CITTÀ METROPOLITANA DI BOLOGNA

AREA SERVIZI TERRITORIALI METROPOLITANI

SERVIZIO EDILIZIA SCOLASTICA ed ISTITUZIONALE

U.O. Edilizia Scolastica

COMUNE DI BOLOGNA

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO

Via Zacconi, Bologna

PROGETTO ESECUTIVO

IMPORTO DI PROGETTO:	€ 8.500.000,00
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U.S. 02 - BLOCCO ANGOLO
TABULATO DI CALCOLO

tavola n°: ST-R 05

Scala elaborato:

Cod. PBM: 2018EDSCON05

Data: Giugno 2019 | Rev: 01/2019

PROGETTO STRUTTURE

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1 PREMESSA

La presente relazione, relativa all'unità strutturale U.S. 02, tratta il blocco angolo che viene suddivisiso in due unità strutturali, quella in legno e quella in acciaio. In seguito si riporta in forma integrale il tabulato di calcolo fornito dal codice di calcolo utilizzato per la modellazione delle opere strutturali (PROSAP della 2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara - Licenza dsi5505 e Licenza dsi3083). Si rimanda, per quanto riguarda le informazioni generali alla base dei calcoli, alla sintesi dei risultati e al loro controllo, alle relazioni generali nonché a quelle specifiche per le singole unità strutturali.

2 TABULATO DI CALCOLO STRUTTURALE - PARTE ACCIAIO

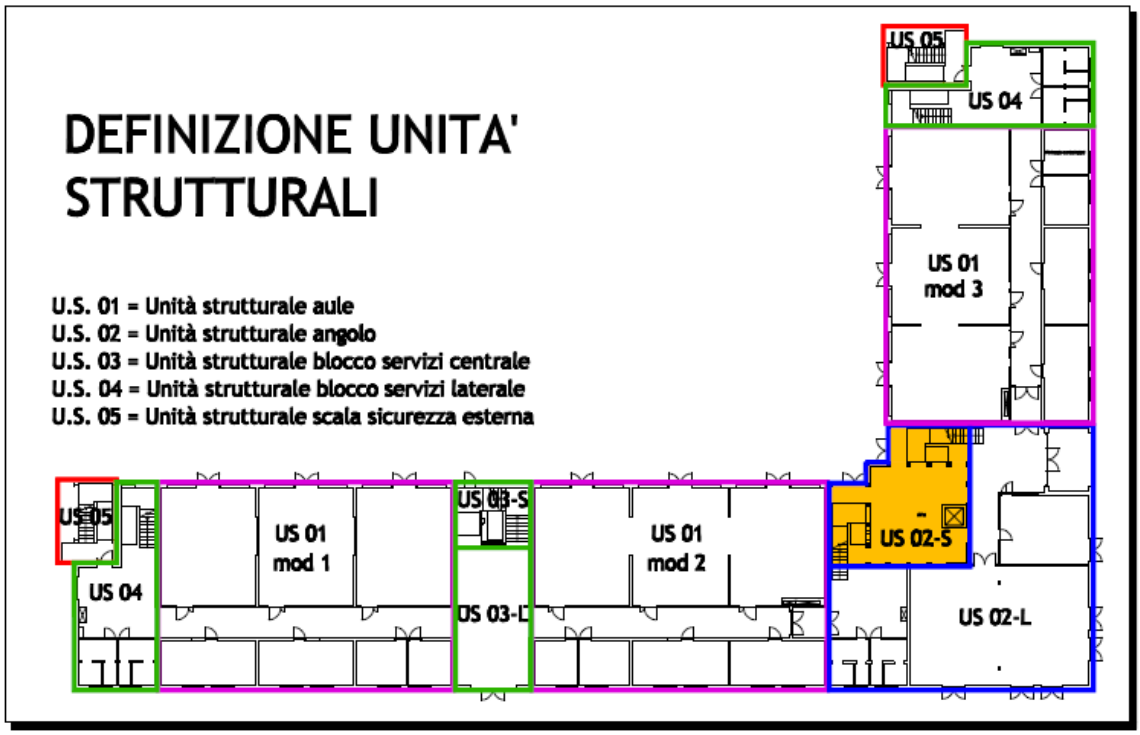


Figura 1: Unità strutturale in acciaio

2.1 DESCRIZIONE GENERALE DELL'OPERA

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

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

2.2 QUADRO NORMATIVO DI RIFERIMENTO ADOTTATO

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

Nel capitolo "normativa di riferimento" è comunque presente l'elenco completo delle normative disponibili.

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

2.3 AZIONI DI PROGETTO SULLA COSTRUZIONE

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

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

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

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

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

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.
Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.
Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

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

2.4 MODELLO NUMERICO

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

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

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

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2018-07-183)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Codice Licenza:	Licenza dsi5505

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

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

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

palo)	
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	NO
Fondazioni con elementi solidi	NO

2.5 MODELLAZIONE DELLE AZIONI

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

2.6 COMBINAZIONI E/O PERCORSI DI CARICO

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

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

Principali risultati

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

2.8.1. Risultati dell'analisi modale

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

2.8.2. Deformate e sollecitazioni per condizioni di carico

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

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

2.8.4. Reazioni vincolari

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

2.8.5. Altri risultati significativi

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

per i dati in ingresso:

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

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

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

per il progetto-verifica degli elementi:

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

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

2.7 VERIFICHE AGLI STATI LIMITE ULTIMI

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

2.8 VERIFICHE AGLI STATI LIMITE DI ESERCIZIO

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

2.9 RELAZIONE SUI MATERIALI

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

3 NORMATIVA DI RIFERIMENTO

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

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

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

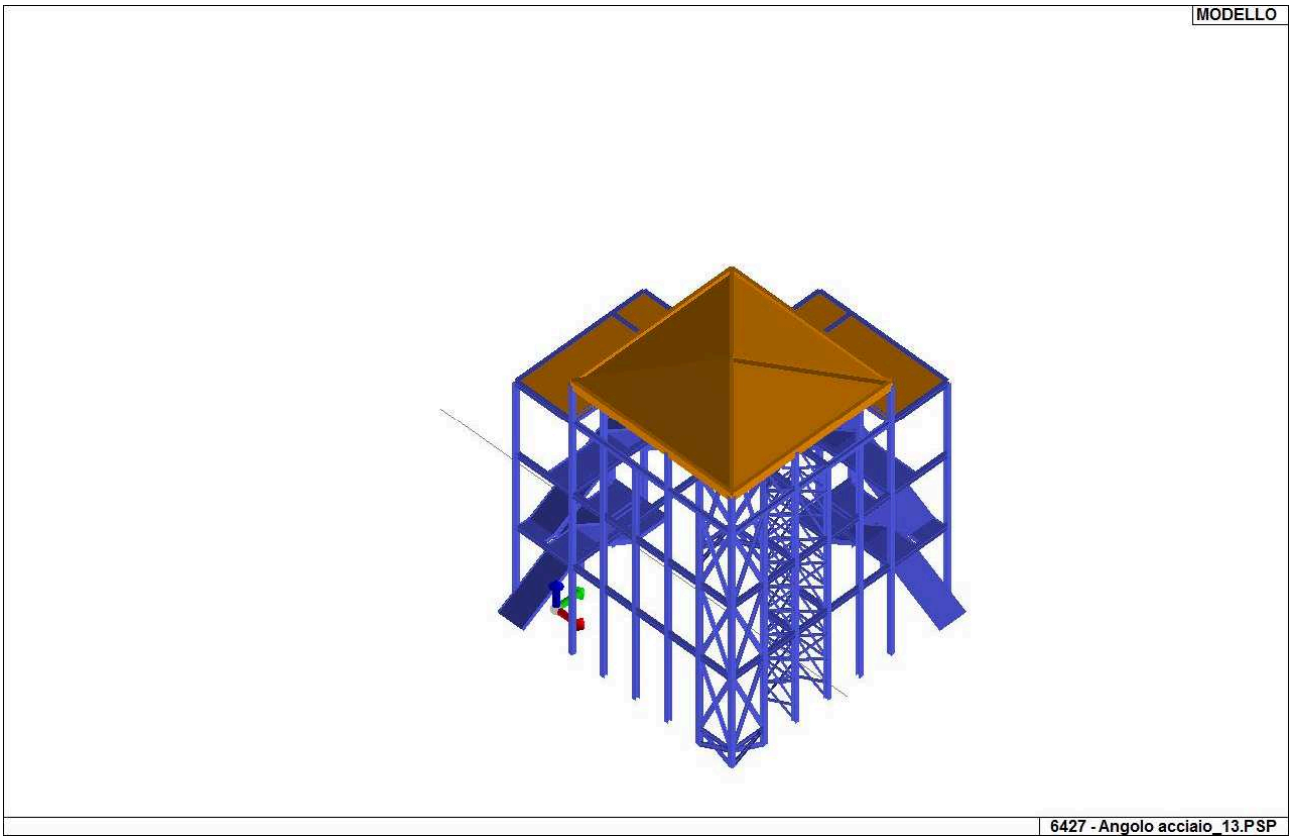


Figura 2: Vista solida

4 CARATTERISTICHE MATERIALI UTILIZZATI

4.1 LEGENDA TABELLA DATI MATERIALI

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

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

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

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

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

1	cemento armato		
		Rck	resistenza caratteristica cubica
		Fctm	resistenza media a trazione semplice
2	acciaio		
		Ft	tensione di rottura a trazione
		Fy	tensione di snervamento

		Fd	resistenza di calcolo
		Fdt	resistenza di calcolo per spess. t>40 mm
		Sadm	tensione ammissibile
		Sadmt	tensione ammissibile per spess. t>40 mm
3	muratura		
		Resist. Fk	resistenza caratteristica a compressione
		Resist. Fvko	resistenza caratteristica a taglio
4	legno		
		Resist. fc0k	Resistenza caratteristica (tensione amm. per REGLES) per compressione
		Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
		Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
		Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
		Modulo E0,05	Modulo elastico parallelo caratteristico
		Lamellare	lamellare o massiccio

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

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

Modellazione di strutture in c.a.

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

Modellazione di strutture in acciaio

Test N°	Titolo
55	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
56	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
57	LUCE LIBERA DI COLONNE IN ACCIAIO
58	SVERGOLAMENTO DI TRAVI IN ACCIAIO
59	FATTORE DI STRUTTURA
60	ACCIAIO D.M.2008
61	ACCIAIO EC3
62	GERARCHIA RESISTENZE STRUTTURE IN ACCIAIO

63	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA IRRIGIDIMENTI TRASVERSALI
74	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI UN PIATTO DI RINFORZO SALDATO ALL'ANIMA DELLA COLONNA
75	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI DUE PIATTI DI RINFORZO SALDATI ALL'ANIMA DELLA COLONNA
76	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A DUE VIE SU ALI COLONNA
77	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A UNA VIA CON DUE COMBINAZIONI DI CARICO
78	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO SU ANIMA SENZA RINFORZI A QUATTRO FILE DI BULLONI DI CUI UNA SU PIASTRA INFERIORE E UNA SU PIASTRA SUPERIORE
79	VERIFICA DELLA PIASTRA NODO TRAVE COLONNA
85	TELAIO ACCIAIO: CONTROVENTI CONCENTRICI

Modellazione di strutture in muratura

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

Modellazione di strutture in legno

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

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
		N/mm2	N/mm2		N/mm2	N/mm3	
12	Acciaio Fe430 - S275		2.100e+05	0.30	8.077e+04	7.80e-05	1.20e-05
	ft	430.0					
	fy	275.0					
	fd	275.0					
	fdt	250.0					
	sadm	190.0					
	sadmt	170.0					
57	Legno lamellare GL32h E = 1.250e+05-legno E = 1.250e+05		1.250e+04	0.0	650.0	5.00e-06	0.0
	Modulo E0,05		1.040e+04				
	LamellareMateriale non massiccio e pertanto da considerare come lamellareSi						
	Resist. fc0k	32.0					
	Resist. ft0k	25.6					
	Resist. fmk	32.0					
	Resist. fvk	3.5					

Aste acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..

Aste acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Beta assegnato	0.80	0.80				
Verifica come controvento	No	No				
Usa condizioni I e II	Si	Si				
Coefficiente gamma M0	1.05	1.05				
Coefficiente gamma M1	1.05	1.05				
Coefficiente gamma M2	1.25	1.25				

Pilastri acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
Metodo di calcolo 2-2	Assegnato	Assegnato				
2-2 Beta assegnato	2.00	2.00				
2-2 Beta * L assegnato [cm]	0.0	0.0				
Metodo di calcolo 3-3	Assegnato	Assegnato				
3-3 Beta assegnato	2.00	2.00				
3-3 Beta * L assegnato [cm]	0.0	0.0				
1-1 Beta assegnato	1.00	1.00				
1-1 Beta * L assegnato [cm]	0.0	0.0				
Generalità						
Coefficiente gamma M0	1.05	1.05				
Coefficiente gamma M1	1.05	1.05				
Coefficiente gamma M2	1.25	1.25				
Effetti del 2 ordine	Si	Si				
Momenti equivalenti	Si	Si				
Usa condizioni I e II	Si	Si				

Travi acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
3-3 Beta * L automatico	Si	Si				
3-3 Beta assegnato	1.00	1.00				
3-3 Beta assegnato [cm]	0.0	0.0				
2-2 Beta * L automatico	Si	Si				
2-2 Beta assegnato	1.00	1.00				
2-2 Beta * L assegnato [cm]	0.0	0.0				
1-1 Beta * L automatico	Si	Si				
1-1 Beta assegnato	1.00	1.00				
1-1 Beta * L assegnato [cm]	0.0	0.0				
Generalità						
Coefficiente gamma M0	1.05	1.05				
Coefficiente gamma M1	1.05	1.05				
Coefficiente gamma M2	1.25	1.25				
Luce di taglio per GR [cm]	1.00	100.00				
Usa condizioni I e II	Si	Si				
Momenti equivalenti	Si	Si				

Legno	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
aste						
Beta assegnato	0.80	0.80				
travi						
3-3 Beta * L automatico	Si	Si				
3-3 Beta assegnato	1.00	1.00				
3-3 Beta * L assegnato [cm]	0.0	0.0				
2-2 Beta * L automatico	Si	Si				
2-2 Beta assegnato	1.00	1.00				
2-2 Beta * L assegnato [cm]	0.0	0.0				
1-1 Beta * L automatico	Si	Si				
1-1 Beta assegnato	1.00	1.00				
1-1 Beta * L assegnato [cm]	0.0	0.0				
pilastri						
Metodo di calcolo 3-3	Assegnato	Assegnato				
3-3 Beta assegnato	2.00	2.00				
3-3 Beta * L assegnato [cm]	0.0	0.0				
Metodo di calcolo 2-2	Assegnato	Assegnato				
2-2 Beta assegnato	2.00	2.00				
2-2 Beta * L assegnato [cm]	0.0	0.0				
1-1 Beta assegnato	1.00	1.00				
1-1 Beta * L assegnato [cm]	0.0	0.0				
Generalità						
Gamma non sismico	1.45	1.45				

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

XLAM	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
L direzione 1 [*] [cm]	1.00	1.00				
L direzione 2 [cm]	0.0	0.0				
Verifica V da D.38	No	No				
Verifica M da M.5-45	No	No				
Media valori elementi	Si	Si				
Connessioni pareti						
rvpk [N/mm]	50.00	50.00				
rvtk [N/mm]	50.00	50.00				
rvlk [N/mm]	50.00	50.00				
RHk [N]	50000.00	50000.00				
dH [cm]	25.00	25.00				
fcH90k [N/mm2]	2.00	2.00				
Pannelli solaio						
f ist<L/	500.00	500.00				
f inf<L/	350.00	350.00				
Verifica vibrazioni (EC5 7.3)	No	No				
E massetto collaborante [N/mm2]	20000.00	20000.00				
t massetto collaborante [cm]	4.00	4.00				
Smorzamento percentuale	0.0	0.0				
Resistenza al fuoco						
Spessore carbonizzazione [cm]	0.0	0.0				
3- intradosso	No	No				
3+ estradosso	No	No				

5 MODELLAZIONE DELLE SEZIONI

5.1 LEGENDA TABELLA DATI SEZIONI

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

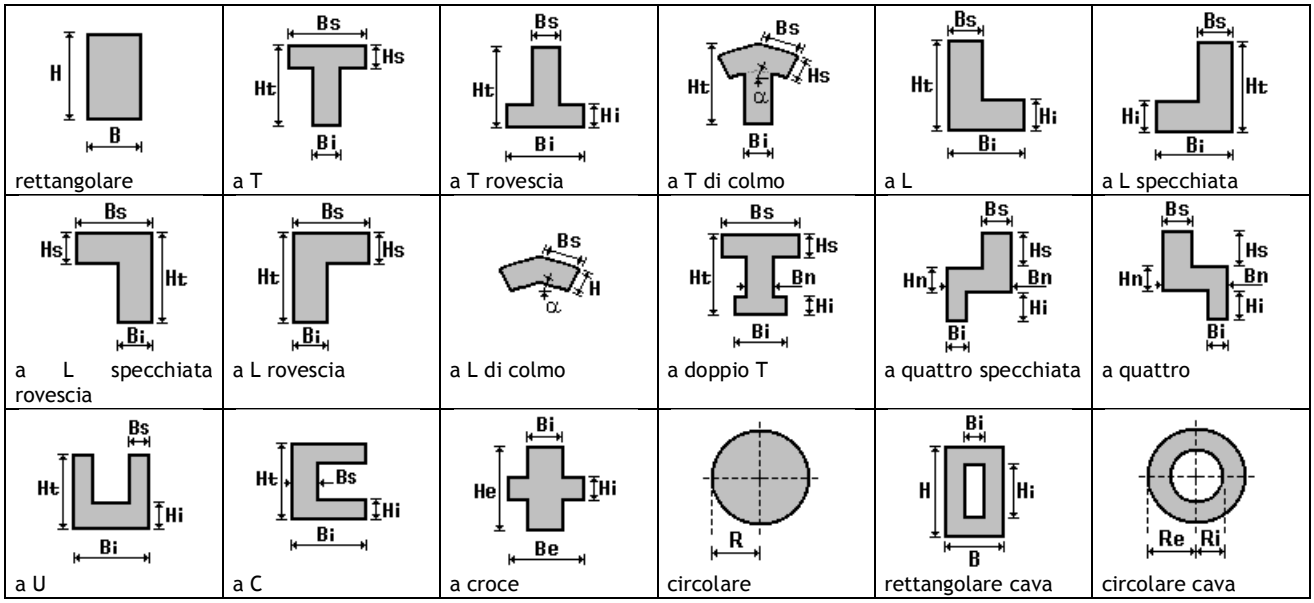
sezione di tipo generico

- profilati semplici
- profilati accoppiati e speciali

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

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

I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.



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

Per quanto concerne le sezioni di tipo generico (tipo 1.):
i valori dimensionali con prefisso B sono riferiti all'asse 2
i valori dimensionali con prefisso H sono riferiti all'asse 3

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

Test N°	Titolo
1	CARATTERISTICHE GEOMETRICHE E INERZIALI

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

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	Cosciale scala-Rettangolare: b=1.5 h=22	33.00	27.50	27.50	23.69	6.19	1331.00	8.25	121.00	12.38	181.50
2	HEB 200	78.10	0.0	0.0	59.30	2003.00	5696.00	200.30	569.60	305.80	642.50
3	LU 200x20	76.30	0.0	0.0	101.32	2850.00	2850.00	199.00	199.00	199.00	199.00
4	Trave 16x40-Rettangolare: b=16 h=40	640.00	533.33	533.33	4.085e+04	1.365e+04	8.533e+04	1706.67	4266.67	2560.00	6400.00
5	Ometto 16x16-Rettangolare: b=16 h=16	256.00	213.33	213.33	9212.26	5461.33	5461.33	682.67	682.67	1024.00	1024.00
6	Tub 100x50-Rettangolare cava: b=5 h=10 bi=4.4 hi=9.4	8.64	0.0	0.0	86.60	37.44	112.12	14.98	22.42	17.00	27.80
7	UPN 200	32.20	0.0	0.0	11.90	148.00	1911.00	26.90	191.00	51.80	228.00
9	UPN 100	13.50	0.0	0.0	2.81	29.10	205.00	8.40	41.10	16.20	49.00
10	T.QU 200x200x12.5	87.04	0.0	0.0	8501.74	4859.42	4859.42	485.94	485.94	593.50	593.50

6 MODELLAZIONE STRUTTURA: NODI

6.1 LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

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

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

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

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

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

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

6.1.1 TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
3	-130.0	260.0	245.5	4	-10.0	260.0	245.5	5	-130.0	420.0	245.5
6	-10.0	420.0	245.5	7	130.0	420.0	245.5	8	10.0	420.0	245.5
9	130.0	260.0	245.5	10	10.0	260.0	245.5	11	10.0	80.0	360.0
12	130.0	80.0	360.0	13	140.0	-60.0	720.0	15	-10.0	0.0	360.0
16	-130.0	0.0	360.0	17	-130.0	-60.0	360.0	18	-10.0	-60.0	360.0
19	130.0	240.0	720.0	20	10.0	240.0	720.0	21	10.0	420.0	605.5
22	130.0	420.0	605.5	23	10.0	580.0	605.5	24	130.0	580.0	605.5
25	-10.0	580.0	605.5	26	-130.0	580.0	605.5	27	-10.0	420.0	605.5
28	-130.0	420.0	605.5	31	140.0	260.0	245.5	32	140.0	420.0	245.5
33	-140.0	420.0	245.5	34	-140.0	260.0	245.5	37	-140.0	420.0	605.5
38	-140.0	580.0	605.5	39	-140.0	580.0	245.5	40	140.0	580.0	605.5
41	140.0	420.0	605.5	44	940.0	750.0	720.0	45	460.0	1020.0	1080.0
46	800.0	750.0	360.0	47	140.0	580.0	245.5	48	460.0	750.0	245.5
49	-140.0	-60.0	360.0	50	-140.0	-60.0	1080.0	51	10.0	-60.0	360.0
52	140.0	-60.0	360.0	53	-140.0	-60.0	720.0	54	130.0	-60.0	360.0
55	10.0	-60.0	720.0	56	130.0	-60.0	720.0	57	-140.0	420.0	1080.0
58	-140.0	580.0	1080.0	59	140.0	580.0	1080.0	60	140.0	420.0	1080.0
61	140.0	-60.0	1080.0	69	540.0	340.0	1270.0	80	300.0	-60.0	720.0
81	300.0	-60.0	360.0	82	300.0	-60.0	1080.0	83	460.0	-60.0	720.0
84	460.0	-60.0	360.0	85	460.0	-60.0	1080.0	86	620.0	-60.0	720.0
87	620.0	-60.0	360.0	88	620.0	-60.0	1080.0	89	780.0	-60.0	720.0
90	780.0	-60.0	360.0	91	780.0	-60.0	1080.0	92	940.0	-60.0	720.0
93	940.0	-60.0	360.0	94	940.0	-60.0	1080.0	95	940.0	100.0	720.0
96	940.0	100.0	360.0	97	940.0	100.0	1080.0	98	940.0	260.0	720.0
99	940.0	260.0	360.0	100	940.0	260.0	1080.0	101	940.0	420.0	720.0
102	940.0	420.0	360.0	103	940.0	420.0	1080.0	104	940.0	580.0	720.0
105	940.0	580.0	360.0	106	940.0	580.0	1080.0	107	940.0	740.0	720.0
108	940.0	740.0	360.0	109	940.0	740.0	1080.0	110	780.0	740.0	720.0
111	780.0	740.0	360.0	112	780.0	740.0	1080.0	114	940.0	1020.0	720.0
115	940.0	750.0	360.0	116	460.0	740.0	720.0	117	460.0	740.0	360.0
118	460.0	740.0	1080.0	119	300.0	740.0	720.0	120	300.0	740.0	360.0
121	300.0	740.0	1080.0	122	140.0	740.0	720.0	123	140.0	740.0	360.0
124	140.0	740.0	1080.0	126	140.0	420.0	1270.0	127	140.0	-60.0	1270.0
128	300.0	740.0	605.5	129	460.0	1020.0	605.5	130	620.0	-60.0	1270.0
131	300.0	1020.0	245.5	132	940.0	-60.0	1270.0	133	460.0	740.0	245.5
134	940.0	260.0	1270.0	135	300.0	1020.0	605.5	136	300.0	740.0	245.5
137	940.0	740.0	1270.0	138	620.0	750.0	245.5	139	940.0	870.0	720.0
140	460.0	740.0	1270.0	141	640.0	750.0	720.0	142	140.0	740.0	1270.0
143	540.0	340.0	1390.0	144	140.0	100.0	720.0	145	140.0	100.0	360.0
146	140.0	100.0	1080.0	147	460.0	740.0	605.5	148	620.0	740.0	245.5
149	140.0	420.0	360.0	150	140.0	580.0	360.0	151	940.0	1020.0	360.0
152	140.0	420.0	720.0	153	140.0	580.0	720.0	154	940.0	1020.0	1080.0
155	940.0	870.0	360.0	158	780.0	420.0	360.0	159	780.0	260.0	360.0
160	780.0	420.0	720.0	161	780.0	260.0	720.0	162	780.0	420.0	1080.0
163	780.0	260.0	1080.0	166	620.0	1010.0	245.5	167	620.0	890.0	245.5
168	460.0	1010.0	245.5	169	460.0	890.0	245.5	170	460.0	870.0	245.5
171	620.0	870.0	245.5	172	800.0	870.0	360.0	173	300.0	1020.0	1080.0
174	880.0	890.0	360.0	175	880.0	1010.0	360.0	176	940.0	1010.0	360.0
177	940.0	890.0	360.0	178	640.0	870.0	720.0	179	460.0	870.0	605.5
180	460.0	750.0	605.5	181	300.0	870.0	605.5	182	300.0	750.0	605.5
183	300.0	890.0	605.5	184	300.0	1010.0	605.5	185	460.0	890.0	605.5
186	460.0	1010.0	605.5	187	460.0	1020.0	245.5	188	620.0	1020.0	245.5
191	940.0	420.0	0.0	192	940.0	260.0	0.0	193	780.0	420.0	0.0
194	780.0	260.0	0.0	196	940.0	420.0	120.0	197	940.0	260.0	120.0
198	780.0	420.0	120.0	199	780.0	260.0	120.0	200	780.0	260.0	960.0
201	940.0	420.0	240.0	202	940.0	260.0	240.0	203	780.0	420.0	240.0
204	780.0	260.0	240.0	205	940.0	420.0	480.0	206	940.0	260.0	480.0
207	780.0	420.0	480.0	208	780.0	260.0	480.0	209	940.0	420.0	600.0
210	940.0	260.0	600.0	211	780.0	420.0	600.0	212	780.0	260.0	600.0
213	940.0	420.0	840.0	214	940.0	260.0	840.0	215	780.0	420.0	840.0
216	780.0	260.0	840.0	217	940.0	420.0	960.0	218	940.0	260.0	960.0
219	780.0	420.0	960.0	220	780.0	-60.0	0.0	221	940.0	-60.0	0.0
222	940.0	100.0	0.0	223	300.0	740.0	0.0	224	140.0	740.0	0.0
225	140.0	580.0	0.0	226	940.0	100.0	1270.0	227	940.0	420.0	1270.0
228	780.0	-60.0	1270.0	229	460.0	-60.0	1270.0	230	300.0	740.0	1270.0
231	140.0	580.0	1270.0								

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ

	cm	cm	cm		daN/cm	daN/cm	daN/cm daN cm/rad	daN cm/rad	daN cm/rad
1	-130.0	-160.0	0.0	v=111000					
2	-10.0	-160.0	0.0	v=111000					
14	140.0	-60.0	-80.0	v=111111					
29	140.0	420.0	-80.0	v=111111					
30	140.0	260.0	-80.0	v=111111					
35	-140.0	260.0	-80.0	v=111111					
36	-140.0	420.0	-80.0	v=111111					
42	140.0	580.0	-80.0	v=111111					
43	-140.0	580.0	-80.0	v=111111					
62	-140.0	-60.0	-80.0	v=111111					
63	140.0	740.0	-80.0	v=111111					
64	300.0	740.0	-80.0	v=111111					
65	460.0	740.0	-80.0	v=111111					
66	620.0	740.0	-80.0	v=111111					
67	780.0	740.0	-80.0	v=111111					
68	940.0	740.0	-80.0	v=111111					
70	300.0	-60.0	-80.0	v=111111					
71	460.0	-60.0	-80.0	v=111111					
72	620.0	-60.0	-80.0	v=111111					
73	780.0	-60.0	-80.0	v=111111					
74	940.0	-60.0	-80.0	v=111111					
75	940.0	420.0	-80.0	v=111111					
76	940.0	260.0	-80.0	v=111111					
77	940.0	580.0	-80.0	v=111111					
78	940.0	100.0	-80.0	v=111111					
79	140.0	100.0	-80.0	v=111111					
113	940.0	1020.0	-80.0	v=111111					
125	300.0	1020.0	-80.0	v=111111					
156	780.0	420.0	-80.0	v=111111					
157	780.0	260.0	-80.0	v=111111					
164	1040.0	1010.0	0.0	v=111000					
165	1040.0	890.0	0.0	v=111000					
189	620.0	1020.0	-80.0	v=111111					
190	460.0	1020.0	-80.0	v=111111					
195	780.0	420.0	40.0	v=111111					

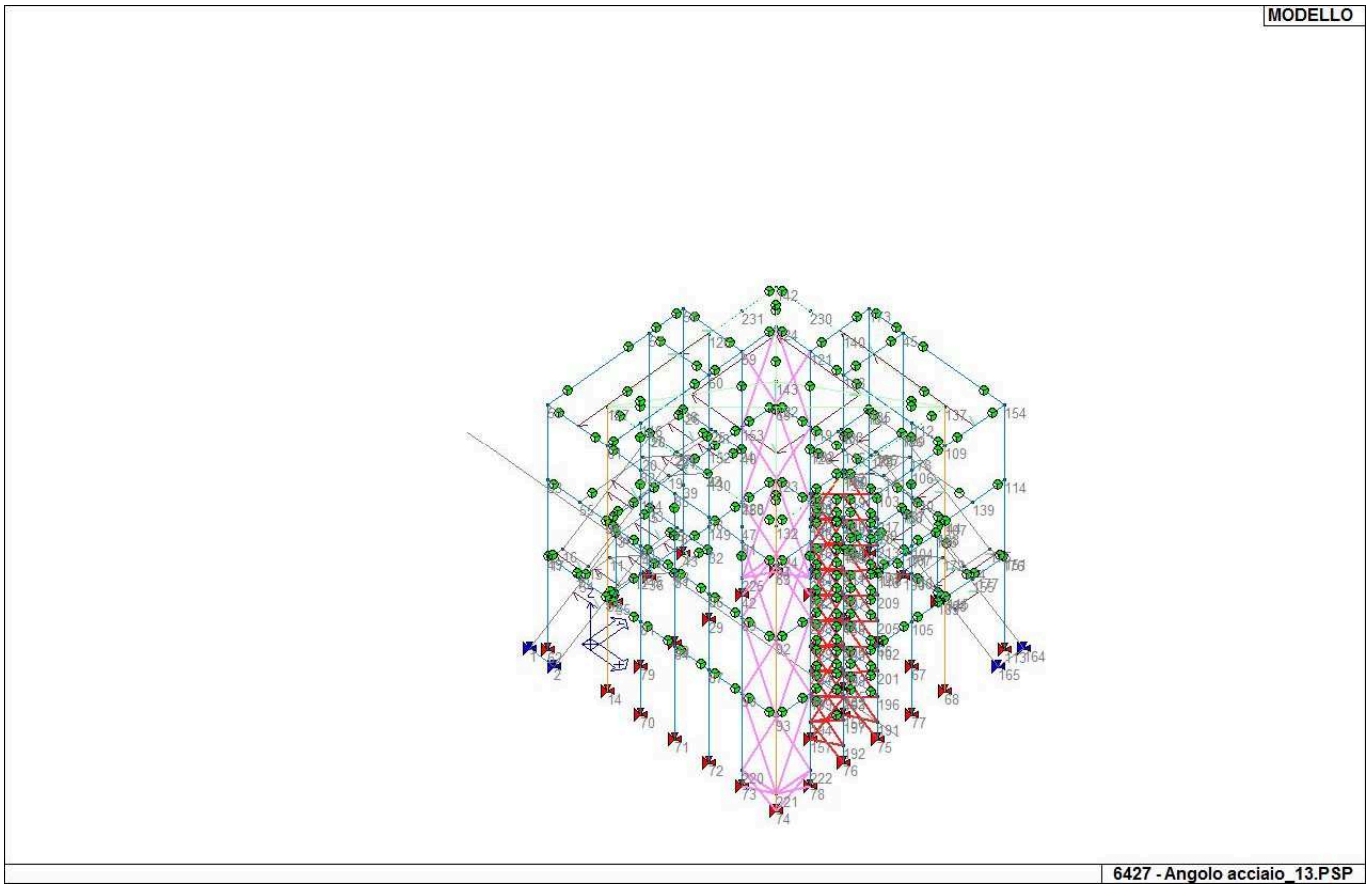


Figura 3: Numerazione dei nodi

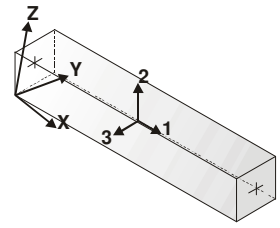
7 MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

7.1 TABELLA DATI TRAVI

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

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

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



orientamento elementi 2D non verticali

orientamento elementi 2D verticali

In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
Nodo I (J)	numero del nodo iniziale (finale)
Mat.	codice del materiale assegnato all'elemento
Sez.	codice della sezione assegnata all'elemento
Rotaz.	valore della rotazione dell'elemento, attorno al proprio asse, nel caso in cui l'orientamento di default non sia adottabile; l'orientamento di default prevede per gli elementi non verticali l'asse 2 contenuto nel piano verticale e l'asse 3 orizzontale, per gli elementi verticali l'asse 2 diretto secondo X negativo e l'asse 3 diretto secondo Y negativo
Svincolo I (J)	codici di svincolo per le azioni interne; i primi sei codici si riferiscono al nodo iniziale, i restanti sei al nodo finale (il valore 1 indica che la relativa azione interna non è attiva)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

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

Test N°	Titolo
2	TRAVI A UNA CAMPATA
3	TRAVE A PIU' CAMPATE
4	TRAVE A UNA CAMPATA SU TERRENO ALLA WINKLER
5	TRAVI SU TERRENO ALLA WINKLER CON CARICO TRASVERSALE
6	TELAI PIANI CON CERNIERE ALLA BASE
7	TELAI PIANI CON INCASTRI ALLA BASE
11	STRUTTURE SOGGETTE A VARIAZIONI TERMICHE
12	STRUTTURE SU TERRENO ALLA WINKLER SOTTOPOSTE A CARICHI DISTRIBUITI TRIANGOLARI
21	DRILLING
24	TENSIONI E ROTAZIONI RISPETTO ALLA CORDA DI ELEMENTI TRAVE
27	FRECCIA DI ELEMENTI TRAVE
42	GERARCHIA DELLE RESISTENZE PER TRAVI IN C.A.

43	GERARCHIA DELLE RESISTENZE PER PILASTRI IN C.A.
44	VERIFICA ALLE TA DI STRUTTURE IN C.A.
45	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
47	VERIFICA A PUNZONAMENTO ALLO SLU DI TRAVI IN C.A.
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
49	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
50	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
51	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
52	FATTORE DI STRUTTURA
53	SOVRARESISTENZE
54	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO
56	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
57	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
58	LUCE LIBERA DI COLONNE IN ACCIAIO
59	SVERGOLAMENTO DI TRAVI IN ACCIAIO
64	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	VALUTAZIONE EFFETTO P-¤ SU PILASTRATA
74	VALUTAZIONE EFFETTO P-¤ SU TELAIO 3D
85	ANALISI PUSHOVER DI UN EDIFICIO IN C.A.
87	ANALISI ELASTO PLASTICA INCREMENTALE
88	ANALISI ELASTO PLASTICA INCREMENTALE
98	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
99	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
102	SNELLEZZE EC5
130	PROGETTO E VERIFICA DI TRAVI PREM

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Asta	69	143	57	5					
2	Asta	89	93	12	7					
3	Asta	90	92	12	7					
4	Asta	91	92	12	7					
5	Asta	89	94	12	7					
6	Asta	92	97	12	7					
7	Asta	94	95	12	7					
8	Asta	93	95	12	7					
9	Asta	92	96	12	7					
10	Asta	123	119	12	7					
11	Asta	122	120	12	7					
12	Asta	122	121	12	7					
13	Asta	124	119	12	7					
14	Asta	59	122	12	7					
15	Asta	153	124	12	7					
16	Asta	150	122	12	7					
17	Asta	90	221	12	7					
18	Asta	220	93	12	7					
19	Asta	93	222	12	7					
20	Asta	221	96	12	7					
21	Asta	221	78	12	7					
22	Asta	74	222	12	7					
23	Asta	220	74	12	7					
24	Asta	73	221	12	7					
25	Asta	224	120	12	7					
26	Asta	225	123	12	7					
27	Asta	150	224	12	7					
28	Asta	123	223	12	7					
29	Asta	63	223	12	7					
30	Asta	225	63	12	7					
31	Asta	42	224	12	7					
32	Asta	224	64	12	7					
33	Asta	224	223	12	7					
34	Asta	225	224	12	7					

35	Asta	220	221	12	7		
36	Asta	221	222	12	7		
37	Asta	163	218	12	9		
38	Asta	200	100	12	9		
39	Asta	219	103	12	9		
40	Asta	162	217	12	9		
41	Asta	200	162	12	9		
42	Asta	163	219	12	9		
43	Asta	153	123	12	7		
44	Asta	200	214	12	9		
45	Asta	216	218	12	9		
46	Asta	215	217	12	9		
47	Asta	219	213	12	9		
48	Asta	216	219	12	9		
49	Asta	200	215	12	9		
50	Asta	216	98	12	9		
51	Asta	161	214	12	9		
52	Asta	160	213	12	9		
53	Asta	215	101	12	9		
54	Asta	161	215	12	9		
55	Asta	216	160	12	9		
56	Asta	161	210	12	9		
57	Asta	212	98	12	9		
58	Asta	211	101	12	9		
59	Asta	160	209	12	9		
60	Asta	212	160	12	9		
61	Asta	161	211	12	9		
62	Asta	212	206	12	9		
63	Asta	208	210	12	9		
64	Asta	207	209	12	9		
65	Asta	211	205	12	9		
66	Asta	208	211	12	9		
67	Asta	212	207	12	9		
68	Asta	208	99	12	9		
69	Asta	159	206	12	9		
70	Asta	158	205	12	9		
71	Asta	207	102	12	9		
72	Asta	159	207	12	9		
73	Asta	208	158	12	9		
74	Asta	159	202	12	9		
75	Asta	204	99	12	9		
76	Asta	203	102	12	9		
77	Asta	158	201	12	9		
78	Asta	204	158	12	9		
79	Asta	159	203	12	9		
80	Asta	204	197	12	9		
81	Asta	199	202	12	9		
82	Asta	198	201	12	9		
83	Asta	203	196	12	9		
84	Asta	199	203	12	9		
85	Asta	204	198	12	9		
86	Asta	199	192	12	9		
87	Asta	194	197	12	9		
88	Asta	193	196	12	9		
89	Asta	198	191	12	9		
90	Asta	194	198	12	9		
91	Asta	199	193	12	9		
92	Asta	193	75	12	9		
93	Asta	156	191	12	9		
94	Asta	157	192	12	9		
95	Asta	194	76	12	9		
96	Asta	157	193	12	9		
97	Asta	194	156	12	9		
98	Pilas.	96	95	12	2		
99	Pilas.	95	97	12	2		000111
100	Pilas.	92	94	12	10	90.00	
101	Pilas.	78	222	12	2		
102	Pilas.	98	214	12	2		
103	Pilas.	75	191	12	2		
104	Pilas.	102	205	12	2		
105	Pilas.	101	213	12	2		
106	Pilas.	77	105	12	2		
107	Pilas.	105	104	12	2		
108	Pilas.	104	106	12	2		000111
109	Pilas.	68	108	12	10	90.00	

110	Pilas.	108	107	12	10	90.00		
111	Pilas.	107	109	12	10	90.00		
112	Pilas.	67	111	12	2	90.00		
113	Pilas.	111	110	12	2	90.00		
114	Pilas.	110	112	12	2	90.00		000111
115	Pilas.	66	148	12	2	90.00		
116	Pilas.	135	173	12	2			
117	Pilas.	129	45	12	2			
118	Pilas.	65	133	12	2	90.00		
119	Pilas.	117	147	12	2	90.00		
120	Pilas.	116	118	12	2	90.00		
121	Pilas.	64	223	12	2	90.00		
122	Pilas.	120	128	12	2	90.00		
123	Pilas.	119	121	12	2	90.00		
124	Pilas.	63	224	12	10	90.00		
125	Pilas.	123	122	12	10	90.00		
126	Pilas.	122	124	12	10	90.00		
127	Pilas.	94	132	12	10	90.00		
128	Trave	180	141	12	1			
129	Pilas.	100	134	12	2			
130	Trave	186	129	12	2			000011
131	Trave	181	183	12	2			
132	Pilas.	109	137	12	10	90.00		
133	Trave	118	45	12	2		000011	000011
134	Pilas.	114	154	12	2			
135	Pilas.	118	140	12	2	90.00		
136	Trave	57	60	12	2		000011	000011
137	Pilas.	124	142	12	10	90.00		
138	Pilas.	61	127	12	10	90.00		
139	Trave	144	152	12	2		000011	000011
140	Trave	48	170	12	2			
141	Pilas.	88	130	12	2	90.00		
142	Trave	145	149	12	2		000011	000011
143	Trave	182	181	12	2			
144	Pilas.	60	126	12	2			
145	Pilas.	79	145	12	2			
146	Pilas.	145	144	12	2			
147	Pilas.	144	146	12	2			000111
148	Trave	146	60	12	2	90.00		000011
149	Trave	52	81	12	2		000011	000011
150	Trave	81	84	12	2		000011	000011
151	Trave	84	87	12	2		000011	000011
152	Trave	87	90	12	2		000011	000011
153	Trave	90	93	12	2		000011	000011
154	Trave	93	96	12	2		000011	000011
155	Trave	96	99	12	2		000011	000011
156	Trave	99	102	12	2		000011	000011
157	Trave	102	105	12	2		000011	000011
158	Trave	105	108	12	2		000011	000011
159	Trave	111	108	12	2		000011	000011
160	Trave	177	176	12	2			
161	Trave	155	177	12	2			
162	Trave	120	117	12	2		000011	000011
163	Trave	123	120	12	2		000011	000011
164	Trave	52	145	12	2		000011	000011
165	Pilas.	151	114	12	2			
166	Trave	178	139	12	1			000001
167	Trave	149	150	12	2		000011	000011
168	Trave	150	123	12	2		000011	000011
169	Trave	13	80	12	2		000011	000011
170	Trave	80	83	12	2		000011	000011
171	Trave	83	86	12	2		000011	000011
172	Trave	86	89	12	2		000011	000011
173	Trave	89	92	12	2		000011	000011
174	Trave	92	95	12	2		000011	000011
175	Trave	95	98	12	2		000011	000011
176	Trave	98	101	12	2		000011	000011
177	Trave	101	104	12	2		000011	000011
178	Trave	104	107	12	2		000011	000011
179	Trave	110	107	12	2		000011	000011
180	Trave	115	155	12	2			
181	Trave	108	115	12	2		000011	
182	Trave	119	116	12	2		000011	000011
183	Trave	122	119	12	2		000011	000011
184	Trave	13	144	12	2		000011	000011

185	Trave	141	44	12	1			
186	Trave	176	151	12	2			000011
187	Trave	152	153	12	2		000011	000011
188	Trave	153	122	12	2		000011	000011
189	Trave	61	82	12	2	90.00	000011	
190	Trave	82	85	12	2	90.00		
191	Trave	85	88	12	2	90.00		
192	Trave	88	91	12	2	90.00		
193	Trave	91	94	12	2	90.00		000011
194	Trave	94	97	12	2	90.00	000011	
195	Trave	97	100	12	2	90.00		000011
196	Trave	100	103	12	2	90.00	000011	
197	Trave	103	106	12	2	90.00		
198	Trave	106	109	12	2	90.00		000011
199	Trave	112	109	12	2	90.00		000011
200	Trave	107	44	12	2		000011	
201	Trave	44	139	12	2			
202	Trave	121	118	12	2	90.00		000011
203	Trave	124	121	12	2	90.00	000011	
204	Pilas.	152	60	12	2			
205	Pilas.	133	117	12	2	90.00		
206	Trave	118	112	12	2	90.00	000011	
207	Pilas.	149	41	12	2			
208	Trave	59	124	12	2	90.00		000011
209	Trave	126	231	57	4			
210	Trave	127	126	57	4		000011	
211	Trave	138	171	12	2			
212	Pilas.	131	135	12	2			
213	Trave	183	184	12	2			
214	Trave	184	135	12	2			000011
215	Pilas.	125	131	12	2			
216	Trave	147	180	12	2		000011	
217	Trave	48	138	12	1		000011	
218	Trave	138	46	12	1			
219	Trave	173	45	12	2		000011	000011
220	Trave	139	114	12	2			000011
221	Trave	45	154	12	2		000011	000011
222	Trave	180	179	12	2			
223	Pilas.	187	129	12	2			
224	Trave	128	182	12	2		000011	
225	Trave	116	110	12	2		000011	000011
226	Trave	117	111	12	2		000011	000011
227	Trave	140	137	57	4			000011
228	Trave	142	230	57	4		000011	
229	Trave	142	69	57	4		000011	
230	Trave	127	69	57	4		000011	
231	Pilas.	150	40	12	2			
232	Trave	142	143	57	4		000011	000011
233	Trave	1	3	12	1			
234	Trave	143	137	57	4		000011	000011
235	Trave	143	132	57	4		000011	000011
236	Trave	127	143	57	4		000011	000011
237	Pilas.	153	59	12	2			
238	Trave	69	132	57	4			000011
239	Trave	69	137	57	4			000011
240	Trave	121	173	12	2		000011	000011
241	Trave	109	154	12	2		000011	000011
242	Trave	175	176	12	1			000011
243	Trave	174	177	12	1			000011
244	Pilas.	157	194	12	3	270.00		
245	Pilas.	159	208	12	3	270.00		
246	Pilas.	161	216	12	3	270.00		
247	Pilas.	160	215	12	3	180.00		
248	Pilas.	158	207	12	3	180.00		
249	Pilas.	156	193	12	3	180.00		
250	Trave	163	100	12	2		000011	000011
251	Trave	162	103	12	2		000011	000011
252	Trave	163	162	12	2		000011	000011
253	Trave	161	98	12	2		000011	000011
254	Pilas.	89	91	12	2	90.00		000111
255	Trave	160	101	12	2		000011	000011
256	Trave	159	99	12	2		000011	000011
257	Trave	199	197	12	6	180.00	000011	000011
258	Trave	158	102	12	2		000011	000011
259	Trave	166	164	12	1			

260	Trave	168	166	12	1		000011	
261	Trave	167	165	12	1			
262	Trave	169	167	12	1		000011	
263	Trave	170	171	12	1		000011	
264	Trave	171	172	12	1			
265	Trave	172	155	12	1			000011
266	Trave	46	115	12	1			
267	Pilas.	113	151	12	2			
268	Trave	179	178	12	1			
269	Trave	182	180	12	1		000011	
270	Trave	181	179	12	1		000011	
271	Trave	183	185	12	1		000011	
272	Trave	185	174	12	1			000001
273	Trave	184	186	12	1		000011	
274	Trave	186	175	12	1			
275	Pilas.	189	188	12	2			
276	Trave	166	188	12	2			000011
277	Trave	167	166	12	2			
278	Trave	171	167	12	2			
279	Trave	185	186	12	2			
280	Trave	179	185	12	2			
281	Trave	170	169	12	2			
282	Trave	169	168	12	2			
283	Trave	168	187	12	2			000011
284	Pilas.	190	187	12	2			
285	Trave	134	227	57	4			
286	Trave	132	226	57	4		000011	
287	Trave	127	229	57	4		000011	
288	Trave	130	228	57	4			
289	Trave	219	217	12	6		000011	000011
290	Trave	200	219	12	6		000011	000011
291	Trave	200	218	12	6	180.00	000011	000011
292	Trave	218	217	12	6	180.00	000011	000011
293	Trave	215	213	12	6		000011	000011
294	Trave	161	160	12	6		000011	000011
295	Trave	216	214	12	6	180.00	000011	000011
296	Pilas.	74	221	12	10	90.00		
297	Trave	211	209	12	6		000011	000011
298	Trave	212	211	12	6		000011	000011
299	Trave	212	210	12	6	180.00	000011	000011
300	Trave	210	209	12	6	180.00	000011	000011
301	Trave	207	205	12	6		000011	000011
302	Trave	159	158	12	6		000011	000011
303	Trave	208	206	12	6	180.00	000011	000011
304	Pilas.	93	92	12	10	90.00		
305	Trave	203	201	12	6		000011	000011
306	Trave	204	203	12	6		000011	000011
307	Trave	204	202	12	6	180.00	000011	000011
308	Trave	202	201	12	6	180.00	000011	000011
309	Trave	198	196	12	6		000011	000011
310	Pilas.	192	197	12	2			
311	Pilas.	206	210	12	2			
312	Pilas.	214	218	12	2			
313	Pilas.	191	196	12	2			
314	Pilas.	205	209	12	2			
315	Pilas.	213	217	12	2			
316	Pilas.	194	199	12	3	270.00		
317	Pilas.	208	212	12	3	270.00		
318	Pilas.	216	200	12	3	270.00		
319	Pilas.	215	219	12	3	180.00		
320	Pilas.	207	211	12	3	180.00		
321	Pilas.	193	195	12	3	180.00		
322	Pilas.	197	202	12	2			
323	Pilas.	210	98	12	2			
324	Pilas.	218	100	12	2			
325	Pilas.	196	201	12	2			
326	Pilas.	209	101	12	2			
327	Pilas.	217	103	12	2			000111
328	Pilas.	199	204	12	3	270.00		
329	Pilas.	212	161	12	3	270.00		
330	Pilas.	200	163	12	3	270.00		
331	Pilas.	219	162	12	3	180.00		
332	Pilas.	211	160	12	3	180.00		
333	Pilas.	195	198	12	3	180.00		
334	Pilas.	202	99	12	2			

335	Pilas.	201	102	12	2			
336	Pilas.	204	159	12	3	270.00		
337	Pilas.	198	203	12	3	270.00		
338	Pilas.	203	158	12	3	270.00		
339	Trave	3	5	12	1			000011
340	Trave	2	4	12	1			
341	Trave	4	6	12	1			000011
342	Trave	10	8	12	1			000011
343	Trave	9	7	12	1			000011
344	Trave	11	10	12	1			
345	Trave	51	11	12	1		000011	
346	Trave	12	9	12	1			
347	Trave	54	12	12	1		000011	
348	Pilas.	62	49	12	2			
349	Trave	19	22	12	1			
350	Pilas.	14	52	12	10	90.00		
351	Trave	20	21	12	1			
352	Trave	22	24	12	1			000011
353	Trave	21	23	12	1			000011
354	Trave	27	25	12	1			000011
355	Trave	16	28	12	1			
356	Pilas.	35	34	12	2			
357	Trave	34	3	12	2		000011	
358	Trave	3	4	12	2			
359	Trave	4	10	12	2			
360	Trave	15	27	12	1			
361	Trave	28	26	12	1			000011
362	Trave	28	27	12	2			
363	Pilas.	30	31	12	2			
364	Pilas.	29	32	12	2			
365	Trave	27	21	12	2			
366	Trave	6	8	12	2			
367	Trave	5	6	12	2			
368	Trave	33	5	12	2		000011	
369	Pilas.	36	33	12	2			
370	Trave	37	28	12	2		000011	
371	Trave	8	7	12	2			
372	Trave	7	32	12	2			000011
373	Trave	10	9	12	2			
374	Trave	9	31	12	2			000011
375	Pilas.	42	225	12	2			
376	Pilas.	32	149	12	2			
377	Trave	22	41	12	2			000011
378	Trave	21	22	12	2			
379	Pilas.	33	37	12	2			
380	Trave	26	25	12	2			
381	Pilas.	225	47	12	2			
382	Pilas.	220	90	12	2	90.00		
383	Pilas.	221	93	12	10	90.00		
384	Pilas.	222	96	12	2			
385	Pilas.	223	136	12	2	90.00		
386	Pilas.	224	123	12	10	90.00		
387	Trave	226	134	57	4			
388	Trave	228	132	57	4			000011
389	Trave	229	130	57	4			
390	Pilas.	43	39	12	2			
391	Trave	231	142	57	4			000011
392	Pilas.	47	150	12	2			
393	Pilas.	39	38	12	2			
394	Trave	23	24	12	2			
395	Trave	24	40	12	2			000011
396	Pilas.	76	192	12	2			
397	Pilas.	99	206	12	2			
398	Pilas.	147	116	12	2	90.00		
399	Pilas.	136	120	12	2	90.00		
400	Trave	38	26	12	2		000011	
401	Trave	230	140	57	4			
402	Trave	227	137	57	4			000011
403	Pilas.	128	119	12	2	90.00		
404	Trave	133	48	12	2		000011	
405	Trave	148	138	12	2		000011	
406	Trave	25	23	12	2			
407	Pilas.	49	53	12	2			
408	Pilas.	52	13	12	10	90.00		
409	Trave	55	20	12	1		000011	

410	Trave	56	19	12	1		000011	
411	Trave	49	17	12	2		000011	
412	Trave	17	18	12	2			
413	Trave	18	51	12	2			
414	Trave	51	54	12	2			
415	Trave	54	52	12	2			000011
416	Trave	56	13	12	2			000011
417	Trave	55	56	12	2			
418	Trave	53	55	12	2		000011	
419	Trave	50	57	12	2		000011	000011
420	Trave	61	146	12	2	90.00	000011	
421	Pilas.	40	153	12	2			
422	Pilas.	38	58	12	2			
423	Pilas.	41	152	12	2			
424	Pilas.	37	57	12	2			
425	Pilas.	53	50	12	2			
426	Trave	57	58	12	2		000011	000011
427	Trave	58	59	12	2		000011	000011
428	Trave	60	59	12	2	90.00	000011	
429	Pilas.	13	61	12	10	90.00		
430	Trave	50	61	12	2		000011	000011
431	Trave	17	16	12	1		000011	
432	Trave	18	15	12	1		000011	
433	Pilas.	70	81	12	2	90.00		
434	Pilas.	81	80	12	2	90.00		
435	Pilas.	80	82	12	2	90.00		000111
436	Pilas.	71	84	12	2	90.00		
437	Pilas.	84	83	12	2	90.00		
438	Pilas.	83	85	12	2	90.00		000111
439	Pilas.	72	87	12	2	90.00		
440	Pilas.	87	86	12	2	90.00		
441	Pilas.	86	88	12	2	90.00		
442	Pilas.	73	220	12	2	90.00		
443	Pilas.	90	89	12	2	90.00		

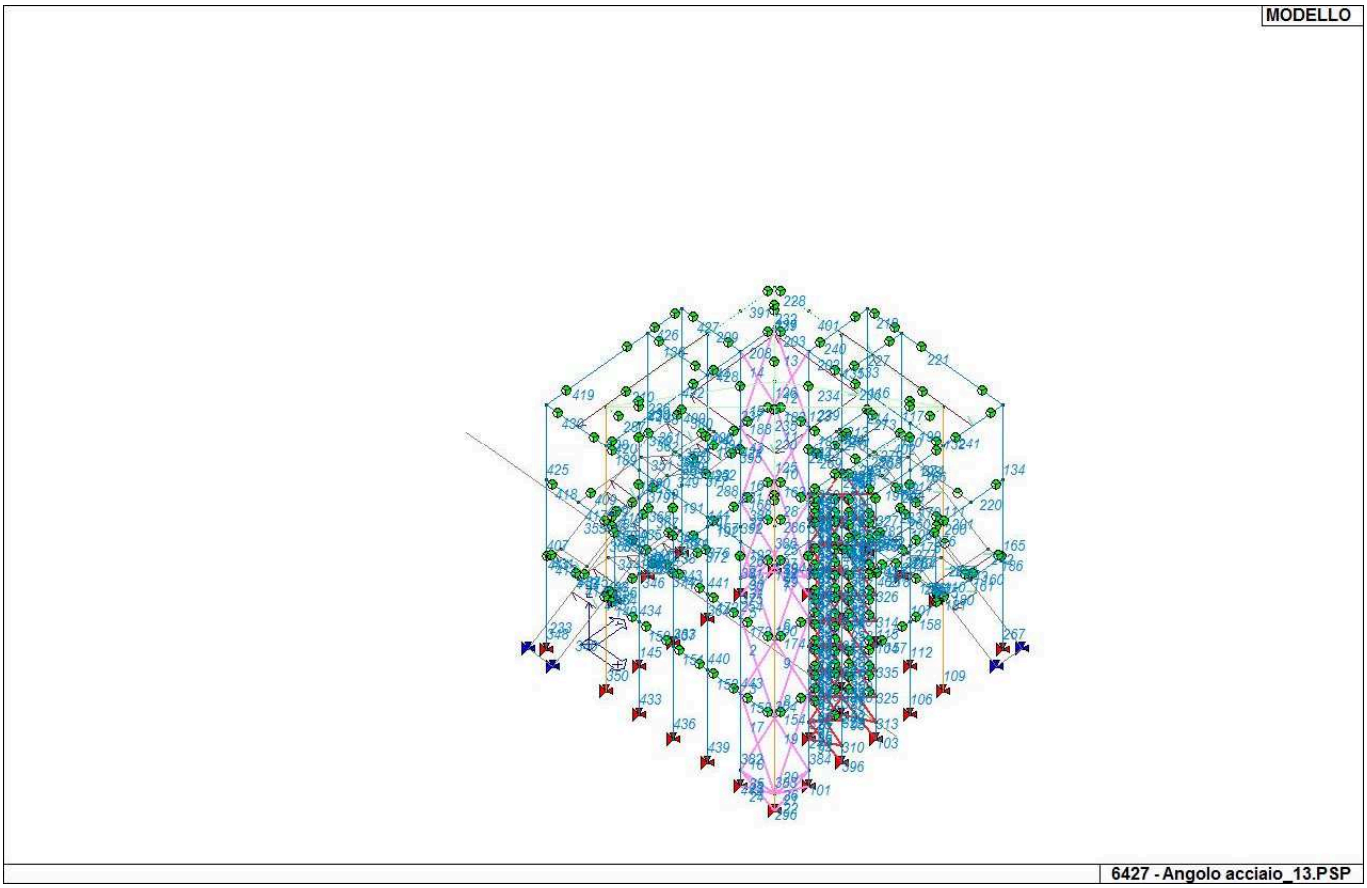


Figura 4: numerazione elementi D2

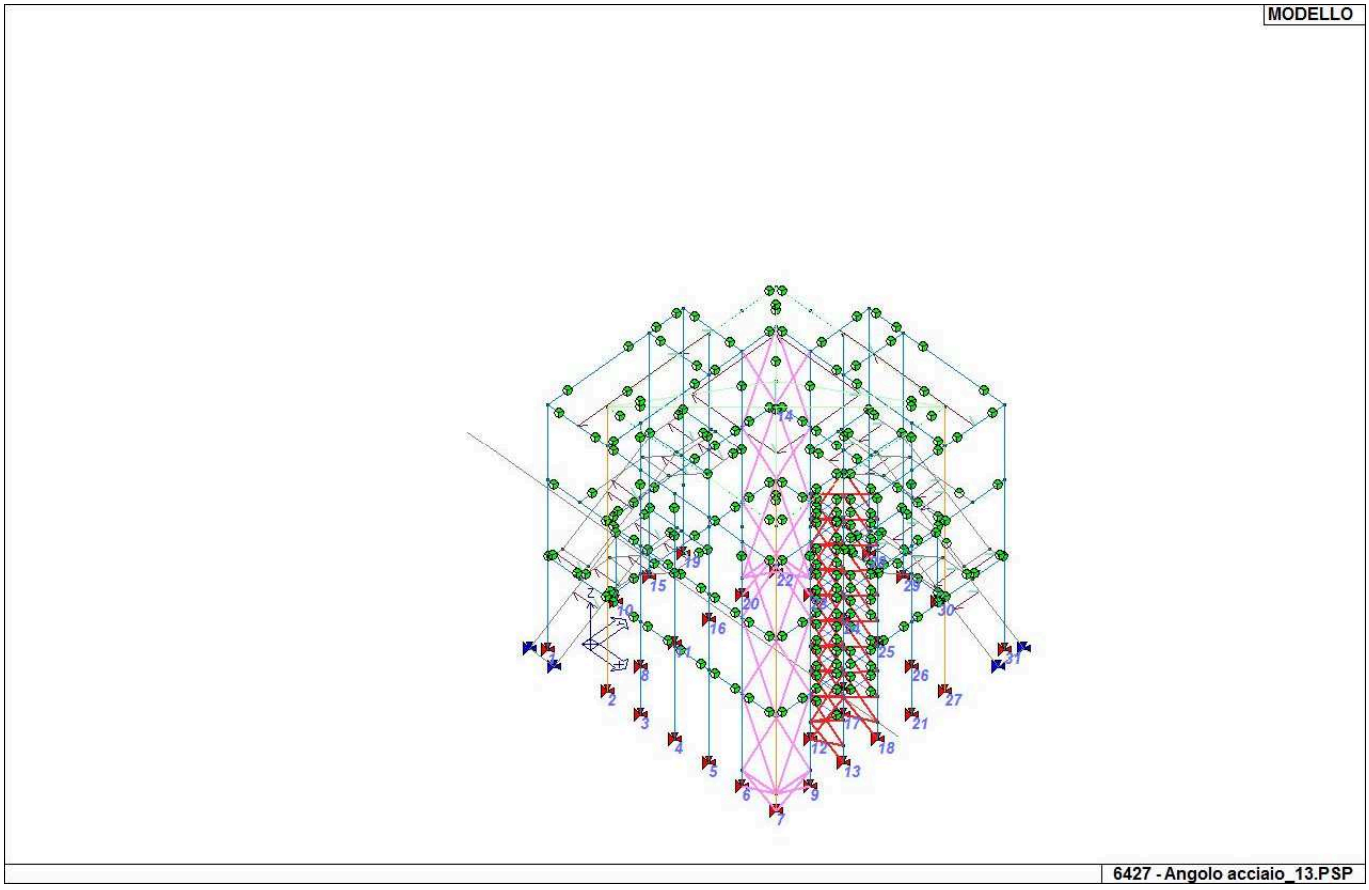


Figura 5: Numerazione elementi D2_ PILASTRATE

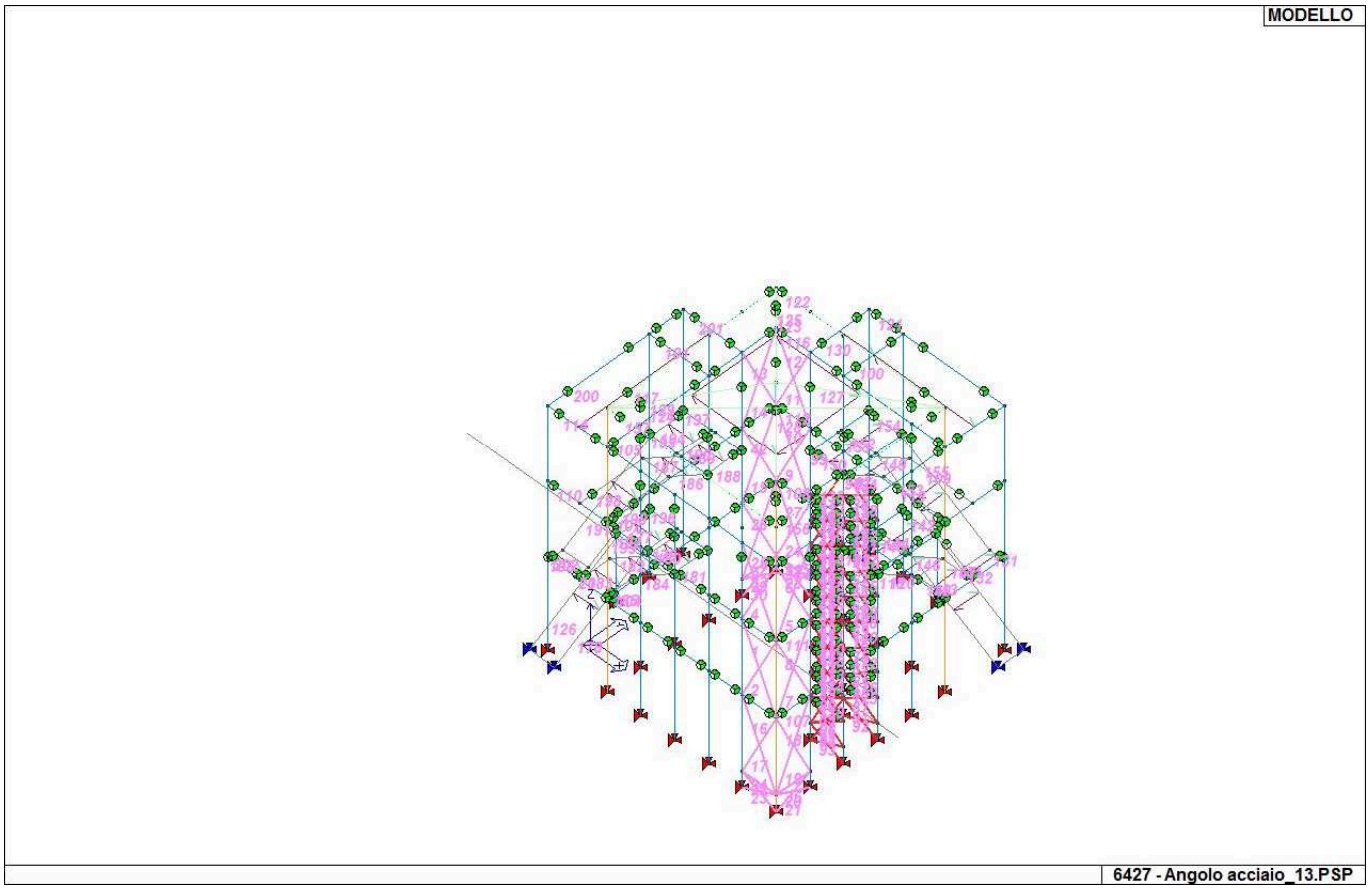


Figura 6: Numerazione elementi D2_TRAVATE

8 MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

8.1 LEGENDA TABELLA DATI SOLAI-PANNELLI

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

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

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

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

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

Id.Arch.	Identificativo dell' archivio
Tipo	Tipo di carico ***Variab.*** Carico variabile generico ***Var. rid.*** Carico variabile generico con riduzione in funzione dell' area (c.5.5. …)

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

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

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

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

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

Elem.	numero identificativo dell'elemento
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m);
Pos.	Ascissa del punto di verifica
F ist, F infi	Frecce instantanee e a tempo infinito
Momento	Momento flettente
Taglio	Sollecitazione di taglio
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup.	Area di armatura longitudinale posta all'estradosso della trave
AfV	Area dell'armatura atta ad assorbire le azioni di taglio
Beff	Base della sezione di cls per l'assorbimento del taglio
	simboli utilizzati con il metodo delle tensioni ammissibili:
sc max	Massima tensione di compressione del calcestruzzo
sf max	Massima tensione nell'acciaio
tau max	Massima tensione tangenziale nel cls
	simboli utilizzati con il metodo degli stati limite:
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
verif.	rapporto Sd/Su con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
Verif.V	rapporto Sd/Su con sollecitazioni taglianti proporzionali valore minore o uguale a 1 per verifica positiva
rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rFfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni frequenti [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]

rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni frequenti [normalizzato a 1]
rFyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

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

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

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

Tamponatura Antiespulsione ordinaria Poroton® Cis Edil sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.

Utilizzabile per il materiale [52].

Tamponatura Antiespulsione armata Poroton® Cis Edil sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.

Utilizzabile per il materiale [53].

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

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

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

Elem.	Numero identificativo dell'elemento
Stato	Codice di verifica
Ver. c.c.	Verifica nell'ipotesi di trave appoggiata con carico concentrato in mezzeria
Ver. c.d.	Verifica nell'ipotesi di trave appoggiata con carico distribuito
Ver. c.cin.	Verifica nell'ipotesi di cinematismo con formazione di cerniere plastiche in appoggio e mezzeria
Ver. CIS	Rapporto pa/pr (valore minore o uguale a 1 per verifica positiva)
Z	Quota del baricentro dell'elemento
T1	Periodo proprio dell'edificio nella direzione di interesse (ortogonale al pannello)
Ta	Periodo proprio della parete
Sa	Accelerazione massima, adimensionalizzata allo SLV
pa	Pressione sulla parete causata dall'azione sismica
pr	Pressione resistente del meccanismo ad arco
Drift	Spostamento relativo interpiano allo SLV valutato secondo il D.M. 14.01.2018 - § 7.3.3.3
Beta a	Coef. riduttivo per tener conto del danneggiamento del piano dipendente dallo spostamento, ottenuto sperimentalmente

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

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

ID Arch.	Tipo	G1k kN/ m2	G2k kN/ m2	Qk kN/ m2	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
1	Variab.	1.00		4.00		1.00	0.70	0.50	0.30	0.30	1.00
2	Neve	0.90	0.50	1.20		1.00	0.50	0.20	0.0	0.0	1.00

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k kN/ m2	G2k kN/ m2	Qk kN/ m2	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
1	SM	1	m=12	1.0	0.0	1.00		4.00	2	4	3	1	
2	SM	1	m=12	1.0	0.0	1.00		4.00	4	6	5	3	
3	SM	1	m=12	1.0	0.0	1.00		4.00	10	8	6	4	
4	SM	1	m=12	1.0	0.0	1.00		4.00	9	7	8	10	
5	SM	1	m=12	1.0	0.0	1.00		4.00	11	12	9	10	
6	SM	1	m=12	1.0	90.0	1.00		4.00	175	174	177	176	
7	SM	1	m=12	1.0	0.0	1.00		4.00	20	19	22	21	
8	SM	1	m=12	1.0	0.0	1.00		4.00	22	24	23	21	
9	SM	1	m=12	1.0	0.0	1.00		4.00	21	23	25	27	
10	SM	1	m=12	1.0	0.0	1.00		4.00	27	25	26	28	
11	SM	1	m=12	1.0	0.0	1.00		4.00	15	27	28	16	
12	SM	1	m=12	1.0	0.0	1.00		4.00	56	19	20	55	
13	SM	1	m=12	1.0	0.0	1.00		4.00	18	15	16	17	
14	SM	1	m=12	1.0	0.0	1.00		4.00	54	12	11	51	
15	SM	1	m=12	1.0	90.0	1.00		4.00	164	166	167	165	
16	SM	1	m=12	1.0	90.0	1.00		4.00	166	168	169	167	
17	SM	1	m=12	1.0	90.0	1.00		4.00	167	169	170	171	
18	SM	2	m=57	1.0	0.0	0.90	0.50	1.20	137	140	142	143	
19	SM	1	m=12	1.0	90.0	1.00		4.00	171	138	46	172	
20	SM	1	m=12	1.0	90.0	1.00		4.00	172	46	115	155	
21	SM	1	m=12	1.0	90.0	1.00		4.00	170	48	138	171	
22	CM	2	m=57	1.0	90.0	0.90	0.50	1.20	57	50	61	60	
23	SM	1	m=12	1.0	90.0	1.00		4.00	178	141	44	139	
24	SM	1	m=12	1.0	90.0	1.00		4.00	179	180	141	178	
25	SM	1	m=12	1.0	90.0	1.00		4.00	181	182	180	179	
26	SM	1	m=12	1.0	90.0	1.00		4.00	183	181	179	185	
27	SM	1	m=12	1.0	90.0	1.00		4.00	184	183	185	186	
28	SM	1	m=12	1.0	90.0	1.00		4.00	175	186	185	174	
29	CM	2	m=57	1.0	0.0	0.90	0.50	1.20	45	118	109	154	
30	CM	2	m=57	1.0	0.0	0.90	0.50	1.20	45	173	121	118	
31	CM	2	m=57	1.0	90.0	0.90	0.50	1.20	58	57	60	59	
32	SM	2	m=57	1.0	90.0	0.90	0.50	1.20	143	142	126	127	
33	SM	2	m=57	1.0	90.0	0.90	0.50	1.20	134	137	143	132	
34	SM	2	m=57	1.0	0.0	0.90	0.50	1.20	130	132	143	127	

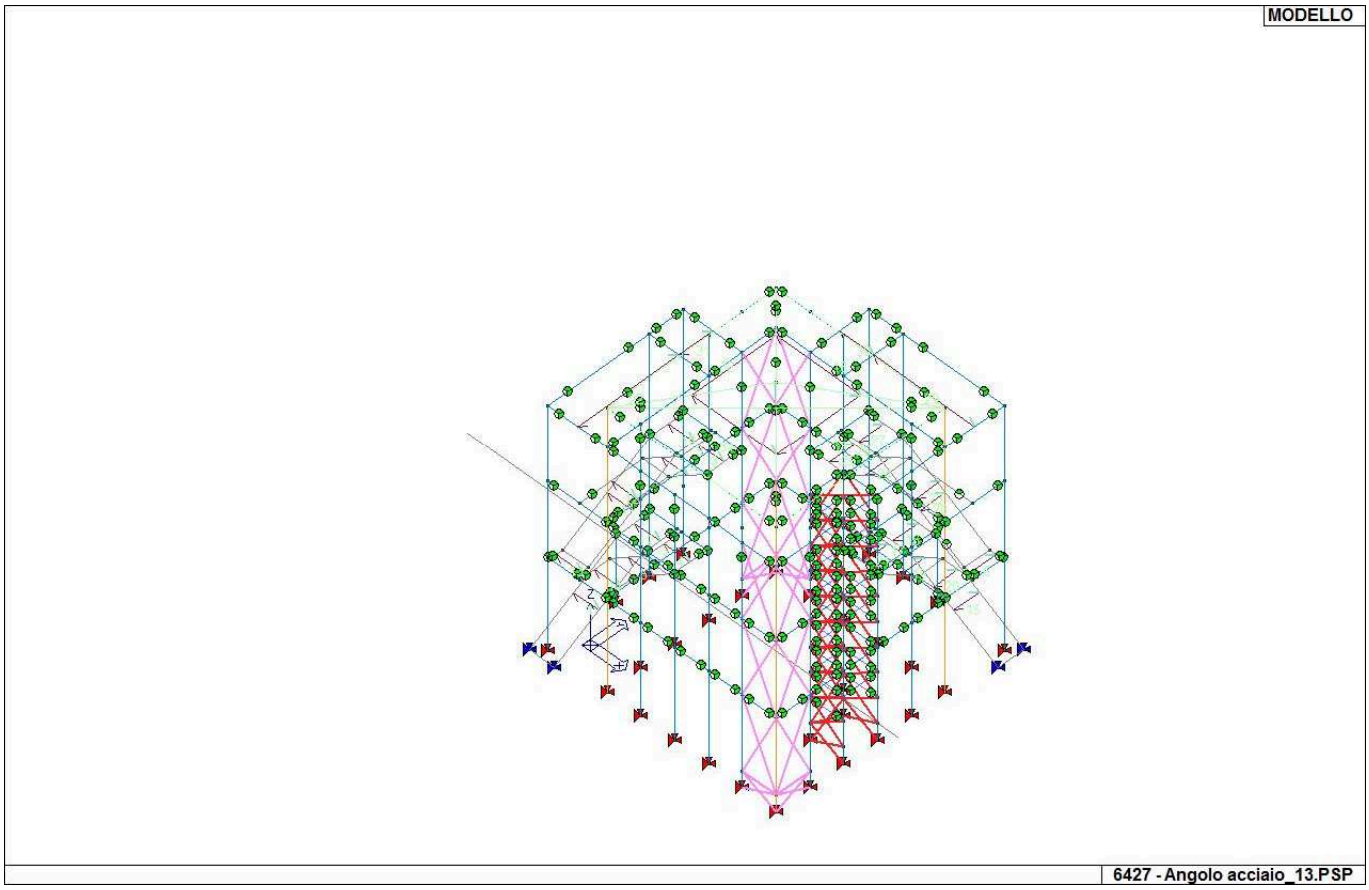


Figura 7: Numerazione solai

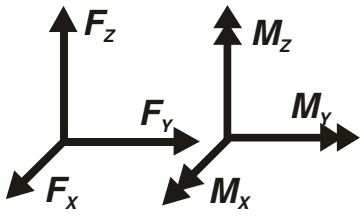
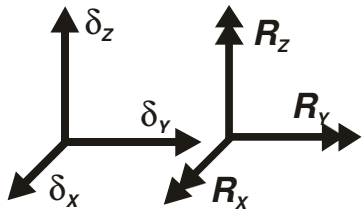
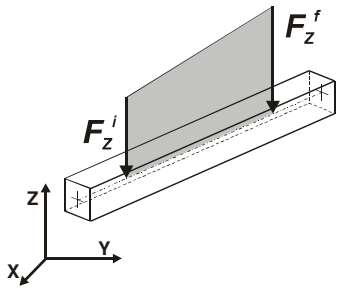
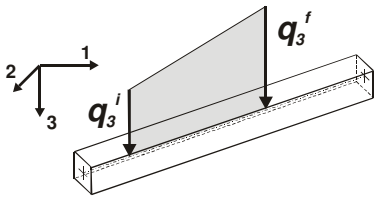
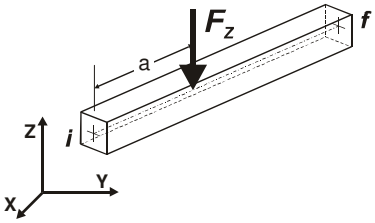
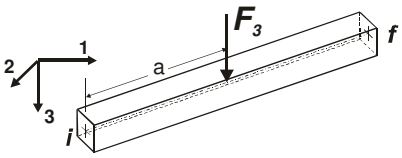
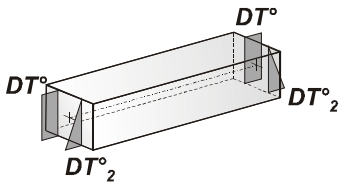
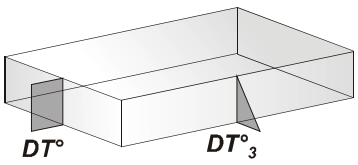
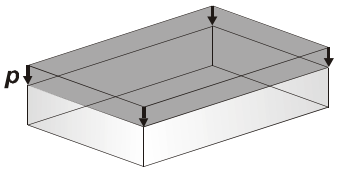
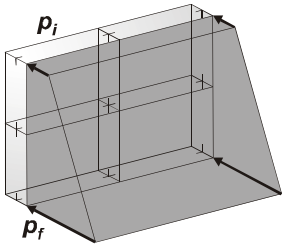
9 MODELLAZIONE DELLE AZIONI

9.1 LEGENDA TABELLA DATI AZIONI

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

1	**carico concentrato nodale** 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	**spostamento nodale impresso** 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	**carico distribuito globale su elemento tipo trave** 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	**carico distribuito locale su elemento tipo trave** 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	**carico concentrato globale su elemento tipo trave** 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	**carico concentrato locale su elemento tipo trave** 7 dati (F1, F2, F3, M1, M2, M3, ascissa di carico)
7	**variazione termica applicata ad elemento tipo trave** 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	**carico di pressione uniforme su elemento tipo piastra** 1 dato (pressione)
9	**carico di pressione variabile su elemento tipo piastra**

	4 dati (pressione, quota, pressione, quota)
10	**variazione termica applicata ad elemento tipo piastra** 2 dati (variazioni termiche: media e differenza nello spessore)
11	**carico variabile generale su elementi tipo trave e piastra** 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	**gruppo di carichi con impronta su piastra** 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell' impronta, interasse tra i carichi

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

Tipo	carico distribuito globale su trave

Id	Tipo	Pos.	fx	fy	fz	mx	my	mz
		m	kN/ m	kN/ m	kN/ m	kN	kN	kN
1	Vento-DG:Fyi=-0.85 Fyf=-0.85	0.0	0.0	-0.85	0.0	0.0	0.0	0.0
		0.0	0.0	-0.85	0.0	0.0	0.0	0.0
2	DG:Fzi=-3.00 Fzf=-3.00	0.0	0.0	0.0	-3.00	0.0	0.0	0.0
		0.0	0.0	0.0	-3.00	0.0	0.0	0.0

10 SCHEMATIZZAZIONE DEI CASI DI CARICO

10.1 LEGENDA TABELLA CASI DI CARICO

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

Sono previsti i seguenti 11 tipi di casi di carico:

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

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

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:
7-Qtk, in quanto richiede solo il valore della variazione termica;
9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

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

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:
Numero Tipo e *Sigla identificativa*, *Valore di riferimento* del caso di carico (se previsto).

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

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

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	

CDC	Tipo	Sigla Id	Note
3	Qsk	CDC=Qsk (variabile solai)	
4	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.00 per 3 CDC=Qsk (variabile solai)
			partecipazione:1.00 per 21 CDC=G2k (permanente generico n.c.d.) tamponamenti
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
6	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
10	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
12	Qvk	CDC=Qvk (carico da vento)	D2 :da 124 a 126 Azione : Vento-DG:Fyi=-0.85 Fyf=-0.85
			D2 : 137 Azione : Vento-DG:Fyi=-0.85 Fyf=-0.85
			D2 : 386 Azione : Vento-DG:Fyi=-0.85 Fyf=-0.85
			D2 : 390 Azione : Vento-DG:Fyi=-0.85 Fyf=-0.85
			D2 : 393 Azione : Vento-DG:Fyi=-0.85 Fyf=-0.85
			D2 : 422 Azione : Vento-DG:Fyi=-0.85 Fyf=-0.85
13	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. +)	come precedente CDC sismico
14	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. -)	come precedente CDC sismico
15	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. +)	come precedente CDC sismico
16	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. -)	come precedente CDC sismico
17	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. +)	come precedente CDC sismico
18	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. -)	come precedente CDC sismico
19	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. +)	come precedente CDC sismico
20	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. -)	come precedente CDC sismico
21	Gk	CDC=G2k (permanente generico n.c.d.) tamponamenti	D2 :da 149 a 164 Azione : DG:Fzi=-3.00 Fzf=-3.00
			D2 :da 167 a 184 Azione : DG:Fzi=-3.00 Fzf=-3.00
			D2 :da 186 a 203 Azione : DG:Fzi=-3.00 Fzf=-3.00
			D2 : 208 Azione : DG:Fzi=-3.00 Fzf=-3.00
			D2 : 220 Azione : DG:Fzi=-3.00 Fzf=-3.00
			D2 :da 411 a 418 Azione : DG:Fzi=-3.00 Fzf=-3.00
			D2 : 420 Azione : DG:Fzi=-3.00 Fzf=-3.00
			D2 : 428 Azione : DG:Fzi=-3.00 Fzf=-3.00

11 DEFINIZIONE DELLE COMBINAZIONI

11.1 LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

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

Combinazione fondamentale SLU

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

Combinazione caratteristica (rara) SLE

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

Combinazione frequente SLE

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

Combinazione quasi permanente SLE

$G1 + G2 + P + \psi21 \cdot Qk1 + \psi22 \cdot Qk2 + \psi23 \cdot Qk3 + \ldots$

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

$E + G1 + G2 + P + \psi21 \cdot Qk1 + \psi22 \cdot Qk2 + \ldots$

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

$G1 + G2 + Ad + P + \psi21 \cdot Qk1 + \psi22 \cdot Qk2 + \ldots$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	*ψ0*	*ψ1*	*ψ2*
Categoria A residenziali	*0,70*	*0,50*	*0,30*
Categoria B uffici	*0,70*	*0,50*	*0,30*
Categoria C ambienti suscettibili di affollamento	*0,70*	*0,70*	*0,60*
Categoria D ambienti ad uso commerciale	*0,70*	*0,70*	*0,60*
Categoria E biblioteche, archivi, magazzini,…	*1,00*	*0,90*	*0,80*
Categoria F Rimesse e parcheggi (autoveicoli <= 30kN)	*0,70*	*0,70*	*0,60*
Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	*0,70*	*0,50*	*0,30*
Categoria H Coperture	*0,00*	*0,00*	*0,00*
Vento	*0,60*	*0,20*	*0,00*
Neve a quota <= 1000 m	*0,50*	*0,20*	*0,00*
Neve a quota > 1000 m	*0,70*	*0,50*	*0,20*
Variazioni Termiche	*0,60*	*0,50*	*0,00*

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

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

NTC 2018 Tabella 2.6.I

		Coefficiente γf	*EQU*	*A1*	*A2*
Carichi permanenti	*Favorevoli* *Sfavorevoli*	*γG1*	*0,9* *1,1*	*1,0* *1,3*	*1,0* *1,0*
Carichi permanenti non strutturali (Non compiutamente definiti)	*Favorevoli* *Sfavorevoli*	*γG2*	*0,8* *1,5*	*0,8* *1,5*	*0,8* *1,3*
Carichi variabili	*Favorevoli* *Sfavorevoli*	*γQi*	*0,0* *1,5*	*0,0* *1,5*	*0,0* *1,3*

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLE(r)	Comb. SLE(rara) 9	
10	SLE(r)	Comb. SLE(rara) 10	
11	SLE(r)	Comb. SLE(rara) 11	
12	SLE(r)	Comb. SLE(rara) 12	
13	SLE(f)	Comb. SLE(freq.) 13	
14	SLE(f)	Comb. SLE(freq.) 14	
15	SLE(f)	Comb. SLE(freq.) 15	
16	SLE(f)	Comb. SLE(freq.) 16	
17	SLE(p)	Comb. SLE(perm.) 17	
18	SLE(p)	Comb. SLE(perm.) 18	

Cmb	Tipo	Sigla Id	effetto P-delta
19	SLU	Comb. SLU A1 (SLV sism.) 19	
20	SLU	Comb. SLU A1 (SLV sism.) 20	
21	SLU	Comb. SLU A1 (SLV sism.) 21	
22	SLU	Comb. SLU A1 (SLV sism.) 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLU	Comb. SLU A1 (SLV sism.) 37	
38	SLU	Comb. SLU A1 (SLV sism.) 38	
39	SLU	Comb. SLU A1 (SLV sism.) 39	
40	SLU	Comb. SLU A1 (SLV sism.) 40	
41	SLU	Comb. SLU A1 (SLV sism.) 41	
42	SLU	Comb. SLU A1 (SLV sism.) 42	
43	SLU	Comb. SLU A1 (SLV sism.) 43	
44	SLU	Comb. SLU A1 (SLV sism.) 44	
45	SLU	Comb. SLU A1 (SLV sism.) 45	
46	SLU	Comb. SLU A1 (SLV sism.) 46	
47	SLU	Comb. SLU A1 (SLV sism.) 47	
48	SLU	Comb. SLU A1 (SLV sism.) 48	
49	SLU	Comb. SLU A1 (SLV sism.) 49	
50	SLU	Comb. SLU A1 (SLV sism.) 50	
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLD(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLD(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLD(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLD(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLD(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLD(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLD(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLD(sis)	Comb. SLE (SLD Danno sism.) 69	
70	SLD(sis)	Comb. SLE (SLD Danno sism.) 70	
71	SLD(sis)	Comb. SLE (SLD Danno sism.) 71	
72	SLD(sis)	Comb. SLE (SLD Danno sism.) 72	
73	SLD(sis)	Comb. SLE (SLD Danno sism.) 73	
74	SLD(sis)	Comb. SLE (SLD Danno sism.) 74	
75	SLD(sis)	Comb. SLE (SLD Danno sism.) 75	
76	SLD(sis)	Comb. SLE (SLD Danno sism.) 76	
77	SLD(sis)	Comb. SLE (SLD Danno sism.) 77	
78	SLD(sis)	Comb. SLE (SLD Danno sism.) 78	
79	SLD(sis)	Comb. SLE (SLD Danno sism.) 79	
80	SLD(sis)	Comb. SLE (SLD Danno sism.) 80	
81	SLD(sis)	Comb. SLE (SLD Danno sism.) 81	
82	SLD(sis)	Comb. SLE (SLD Danno sism.) 82	
83	SLD(sis)	Comb. SLE (SLO Operativo sism.) 83	
84	SLD(sis)	Comb. SLE (SLO Operativo sism.) 84	
85	SLD(sis)	Comb. SLE (SLO Operativo sism.) 85	
86	SLD(sis)	Comb. SLE (SLO Operativo sism.) 86	
87	SLD(sis)	Comb. SLE (SLO Operativo sism.) 87	
88	SLD(sis)	Comb. SLE (SLO Operativo sism.) 88	
89	SLD(sis)	Comb. SLE (SLO Operativo sism.) 89	
90	SLD(sis)	Comb. SLE (SLO Operativo sism.) 90	

Cmb	Tipo	Sigla Id	effetto P-delta
91	SLD(sis)	Comb. SLE (SLO Operativo sism.) 91	
92	SLD(sis)	Comb. SLE (SLO Operativo sism.) 92	
93	SLD(sis)	Comb. SLE (SLO Operativo sism.) 93	
94	SLD(sis)	Comb. SLE (SLO Operativo sism.) 94	
95	SLD(sis)	Comb. SLE (SLO Operativo sism.) 95	
96	SLD(sis)	Comb. SLE (SLO Operativo sism.) 96	
97	SLD(sis)	Comb. SLE (SLO Operativo sism.) 97	
98	SLD(sis)	Comb. SLE (SLO Operativo sism.) 98	
99	SLD(sis)	Comb. SLE (SLO Operativo sism.) 99	
100	SLD(sis)	Comb. SLE (SLO Operativo sism.) 100	
101	SLD(sis)	Comb. SLE (SLO Operativo sism.) 101	
102	SLD(sis)	Comb. SLE (SLO Operativo sism.) 102	
103	SLD(sis)	Comb. SLE (SLO Operativo sism.) 103	
104	SLD(sis)	Comb. SLE (SLO Operativo sism.) 104	
105	SLD(sis)	Comb. SLE (SLO Operativo sism.) 105	
106	SLD(sis)	Comb. SLE (SLO Operativo sism.) 106	
107	SLD(sis)	Comb. SLE (SLO Operativo sism.) 107	
108	SLD(sis)	Comb. SLE (SLO Operativo sism.) 108	
109	SLD(sis)	Comb. SLE (SLO Operativo sism.) 109	
110	SLD(sis)	Comb. SLE (SLO Operativo sism.) 110	
111	SLD(sis)	Comb. SLE (SLO Operativo sism.) 111	
112	SLD(sis)	Comb. SLE (SLO Operativo sism.) 112	
113	SLD(sis)	Comb. SLE (SLO Operativo sism.) 113	
114	SLD(sis)	Comb. SLE (SLO Operativo sism.) 114	
115	SLU	Comb. SLU A1 (SLC sism.) 115	
116	SLU	Comb. SLU A1 (SLC sism.) 116	
117	SLU	Comb. SLU A1 (SLC sism.) 117	
118	SLU	Comb. SLU A1 (SLC sism.) 118	
119	SLU	Comb. SLU A1 (SLC sism.) 119	
120	SLU	Comb. SLU A1 (SLC sism.) 120	
121	SLU	Comb. SLU A1 (SLC sism.) 121	
122	SLU	Comb. SLU A1 (SLC sism.) 122	
123	SLU	Comb. SLU A1 (SLC sism.) 123	
124	SLU	Comb. SLU A1 (SLC sism.) 124	
125	SLU	Comb. SLU A1 (SLC sism.) 125	
126	SLU	Comb. SLU A1 (SLC sism.) 126	
127	SLU	Comb. SLU A1 (SLC sism.) 127	
128	SLU	Comb. SLU A1 (SLC sism.) 128	
129	SLU	Comb. SLU A1 (SLC sism.) 129	
130	SLU	Comb. SLU A1 (SLC sism.) 130	
131	SLU	Comb. SLU A1 (SLC sism.) 131	
132	SLU	Comb. SLU A1 (SLC sism.) 132	
133	SLU	Comb. SLU A1 (SLC sism.) 133	
134	SLU	Comb. SLU A1 (SLC sism.) 134	
135	SLU	Comb. SLU A1 (SLC sism.) 135	
136	SLU	Comb. SLU A1 (SLC sism.) 136	
137	SLU	Comb. SLU A1 (SLC sism.) 137	
138	SLU	Comb. SLU A1 (SLC sism.) 138	
139	SLU	Comb. SLU A1 (SLC sism.) 139	
140	SLU	Comb. SLU A1 (SLC sism.) 140	
141	SLU	Comb. SLU A1 (SLC sism.) 141	
142	SLU	Comb. SLU A1 (SLC sism.) 142	
143	SLU	Comb. SLU A1 (SLC sism.) 143	
144	SLU	Comb. SLU A1 (SLC sism.) 144	
145	SLU	Comb. SLU A1 (SLC sism.) 145	
146	SLU	Comb. SLU A1 (SLC sism.) 146	

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

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0	0.80							
8	1.00	1.00	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.80							
9	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
10	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
11	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
12	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
13	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
14	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
15	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
16	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
17	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
18	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
19	1.00	1.00	0.30	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
20	1.00	1.00	0.30	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
21	1.00	1.00	0.30	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
22	1.00	1.00	0.30	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
23	1.00	1.00	0.30	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
24	1.00	1.00	0.30	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
25	1.00	1.00	0.30	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
26	1.00	1.00	0.30	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
27	1.00	1.00	0.30	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
28	1.00	1.00	0.30	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
29	1.00	1.00	0.30	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
30	1.00	1.00	0.30	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
31	1.00	1.00	0.30	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
32	1.00	1.00	0.30	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
33	1.00	1.00	0.30	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
34	1.00	1.00	0.30	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
35	1.00	1.00	0.30	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
36	1.00	1.00	0.30	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
37	1.00	1.00	0.30	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
38	1.00	1.00	0.30	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
39	1.00	1.00	0.30	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
40	1.00	1.00	0.30	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
41	1.00	1.00	0.30	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
42	1.00	1.00	0.30	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
43	1.00	1.00	0.30	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
44	1.00	1.00	0.30	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
45	1.00	1.00	0.30	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
46	1.00	1.00	0.30	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
47	1.00	1.00	0.30	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
48	1.00	1.00	0.30	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
49	1.00	1.00	0.30	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
50	1.00	1.00	0.30	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
51	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
52	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
53	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
54	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
55	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
56	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
57	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
58	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
59	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
60	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
61	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
62	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
63	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
64	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
65	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
66	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
67	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
68	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
69	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
70	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
71	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
72	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
73	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
74	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
75	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
76	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
77	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
78	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
79	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
80	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
81	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
82	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00							
83	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0
	-0.30	0.0	0.0	0.0	0.0	0.0	1.00							
84	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0
	0.30	0.0	0.0	0.0	0.0	0.0	1.00							
85	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
	-0.30	0.0	0.0	0.0	0.0	0.0	1.00							
86	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
	0.30	0.0	0.0	0.0	0.0	0.0	1.00							
87	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0
	0.0	-0.30	0.0	0.0	0.0	0.0	1.00							
88	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0
	0.0	0.30	0.0	0.0	0.0	0.0	1.00							
89	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
	0.0	-0.30	0.0	0.0	0.0	0.0	1.00							
90	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
	0.0	0.30	0.0	0.0	0.0	0.0	1.00							
91	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00
	-0.30	0.0	0.0	0.0	0.0	0.0	1.00							
92	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00
	0.30	0.0	0.0	0.0	0.0	0.0	1.00							
93	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	-0.30	0.0	0.0	0.0	0.0	0.0	1.00							
94	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.30	0.0	0.0	0.0	0.0	0.0	1.00							
95	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00
	0.0	-0.30	0.0	0.0	0.0	0.0	1.00							
96	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00
	0.0	0.30	0.0	0.0	0.0	0.0	1.00							
97	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	-0.30	0.0	0.0	0.0	0.0	1.00							
98	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.30	0.0	0.0	0.0	0.0	1.00							
99	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0
	-1.00	0.0	0.0	0.0	0.0	0.0	1.00							
100	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0
	1.00	0.0	0.0	0.0	0.0	0.0	1.00							
101	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0
	-1.00	0.0	0.0	0.0	0.0	0.0	1.00							
102	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0
	1.00	0.0	0.0	0.0	0.0	0.0	1.00							
103	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30
	-1.00	0.0	0.0	0.0	0.0	0.0	1.00							
104	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30
	1.00	0.0	0.0	0.0	0.0	0.0	1.00							
105	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
	-1.00	0.0	0.0	0.0	0.0	0.0	1.00							
106	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
	1.00	0.0	0.0	0.0	0.0	0.0	1.00							
107	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0
	0.0	-1.00	0.0	0.0	0.0	0.0	1.00							
108	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0
	0.0	1.00	0.0	0.0	0.0	0.0	1.00							
109	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0
	0.0	-1.00	0.0	0.0	0.0	0.0	1.00							
110	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0
	0.0	1.00	0.0	0.0	0.0	0.0	1.00							
111	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30
	0.0	-1.00	0.0	0.0	0.0	0.0	1.00							
112	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30
	0.0	1.00	0.0	0.0	0.0	0.0	1.00							
113	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
	0.0	-1.00	0.0	0.0	0.0	0.0	1.00							

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
114	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
	0.0	1.00	0.0	0.0	0.0	0.0	1.00							
115	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-1.00	0.0	-0.30	0.0	1.00							
116	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-1.00	0.0	0.30	0.0	1.00							
117	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.00	0.0	-0.30	0.0	1.00							
118	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.00	0.0	0.30	0.0	1.00							
119	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-1.00	0.0	0.0	-0.30	1.00							
120	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-1.00	0.0	0.0	0.30	1.00							
121	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.00	0.0	0.0	-0.30	1.00							
122	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.00	0.0	0.0	0.30	1.00							
123	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	-0.30	0.0	1.00							
124	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.30	0.0	1.00							
125	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	-0.30	0.0	1.00							
126	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.30	0.0	1.00							
127	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.0	-0.30	1.00							
128	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.0	0.30	1.00							
129	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.0	-0.30	1.00							
130	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.0	0.30	1.00							
131	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-0.30	0.0	-1.00	0.0	1.00							
132	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-0.30	0.0	1.00	0.0	1.00							
133	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.30	0.0	-1.00	0.0	1.00							
134	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.30	0.0	1.00	0.0	1.00							
135	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	-1.00	0.0	1.00							
136	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	1.00	0.0	1.00							
137	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	-1.00	0.0	1.00							
138	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	1.00	0.0	1.00							
139	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-0.30	0.0	0.0	-1.00	1.00							
140	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-0.30	0.0	0.0	1.00	1.00							
141	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.30	0.0	0.0	-1.00	1.00							
142	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.30	0.0	0.0	1.00	1.00							
143	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	-1.00	1.00							
144	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	1.00	1.00							
145	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	-1.00	1.00							
146	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	1.00	1.00							

12 AZIONE SISMICA

12.1 VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.
Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito http://esse1.mi.ingv.it/. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

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

ag: accelerazione orizzontale massima del terreno;
Fo: valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;
T*c: periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

12.1.1 PARAMETRI DELLA STRUTTURA

Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
III	50.0	1.5	75.0	C	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:
S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente S = Ss*St (3.2.3)
Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale
Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale
Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.
Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.
Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

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

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

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

13 RISULTATI ANALISI SISMICHE

13.1 LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

9. Esk caso di carico sismico con analisi statica equivalente

10. Edkcaso di carico sismico con analisi dinamica

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

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

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

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

a) **analisi sismica statica equivalente**:
   - quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
   - azione sismica complessiva

b) **analisi sismica dinamica con spettro di risposta**:
   - quota, posizione del centro di massa e massa risultante, posizione del baricentro delle

rigidezze, rapporto r/Ls (per strutture a nucleo) , indici di regolarità e/r secondo EC8 4.2.3.2
- frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
- massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità 1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

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

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare 619/2009 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.
Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.
In particolare la tabella, per ogni combinazione di calcolo, riporta:

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

Affinché la verifica sia positiva deve essere:

1) V > 0
2) Sig s < fyk
3) Gam t < 5
4) Gam s < Gam * (caratteristica dell' elastomero)
5) Gam s < 2
6) V < 0.5 Vcr

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

Test N°	Titolo
23	DM 2008: SPETTRO
29	SISMICA 1000/H, SOMMA V, EFFETTO P-¤
30	ANALISI DI UN EDIFICIO CON ISOLATORI SISMICI
70	MASSE SISMICHE
75	PROGETTO DI ISOLATORI ELASTOMERICI
76	VERIFICA DI ISOLATORI ELASTOMERICI
77	VERIFICA DI ISOLATORI FRICTION PENDULUM

CDC	Tipo	Sigla Id	Note
4	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.336 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	0.0	-0.40	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	0.0	-0.54	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	0.0	-0.54	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	0.0	-0.30	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	0.0	-0.54	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	0.0	-0.38	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	0.0	-0.08	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.826	1.211	0.160	10.34	1.2	4.66e-04	5.58e-05	0.0	0.0	0.0	0.0
2	0.829	1.206	0.161	0.03	3.83e-03	0.0	0.0	4.93e-06	0.0	0.0	0.0
3	1.027	0.974	0.178	1.90e-03	2.28e-04	11.57	1.4	1.17e-05	1.40e-06	0.0	0.0
4	1.032	0.969	0.178	9.22e-05	1.11e-05	0.03	3.16e-03	1.34e-05	1.61e-06	0.0	0.0
5	1.248	0.801	0.201	12.09	1.4	4.87e-03	5.84e-04	0.0	0.0	0.0	0.0
6	1.250	0.800	0.201	0.04	4.80e-03	3.36e-06	0.0	4.72e-06	0.0	0.0	0.0
7	1.325	0.755	0.221	2.44e-03	2.92e-04	11.18	1.3	1.62e-06	0.0	0.0	0.0
8	1.327	0.754	0.221	6.60e-05	7.91e-06	0.03	3.78e-03	8.01e-06	0.0	0.0	0.0
9	1.441	0.694	0.267	7.42	0.9	0.0	0.0	1.21e-05	1.45e-06	0.0	0.0
10	1.448	0.691	0.269	0.01	1.73e-03	1.09e-04	1.30e-05	1.13e-05	1.35e-06	0.0	0.0
11	1.512	0.662	0.285	5.95e-06	0.0	3.66	0.4	0.0	0.0	0.0	0.0
12	2.221	0.450	0.372	0.99	0.1	12.15	1.5	1.86e-04	2.23e-05	0.0	0.0
13	2.357	0.424	0.388	177.26	21.3	347.54	41.7	0.03	4.18e-03	0.0	0.0
14	2.979	0.336	0.501	309.79	37.1	180.58	21.7	0.01	1.46e-03	0.0	0.0
15	3.415	0.293	0.535	24.35	2.9	11.31	1.4	6.87e-04	8.23e-05	0.0	0.0
16	3.588	0.279	0.520	23.15	2.8	0.95	0.1	4.29e-03	5.14e-04	0.0	0.0
17	3.910	0.256	0.515	0.17	1.99e-02	3.43	0.4	0.02	2.04e-03	0.0	0.0
18	4.182	0.239	0.450	0.05	6.28e-03	1.58	0.2	8.66e-03	1.04e-03	0.0	0.0
19	4.258	0.235	0.432	4.19e-03	5.03e-04	19.44	2.3	1.57e-04	1.88e-05	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
20	4.383	0.228	0.404	0.29	3.49e-02	40.68	4.9	0.12	1.44e-02	0.0	0.0
21	4.786	0.209	0.364	22.14	2.7	0.0	0.0	1.85e-05	2.22e-06	0.0	0.0
22	5.736	0.174	0.347	0.25	3.03e-02	1.53	0.2	0.07	8.35e-03	0.0	0.0
23	5.940	0.168	0.339	1.62	0.2	9.58	1.1	5.76e-06	0.0	0.0	0.0
24	6.248	0.160	0.328	16.15	1.9	1.26	0.2	0.33	3.97e-02	0.0	0.0
25	6.523	0.153	0.317	8.25	1.0	0.24	2.89e-02	0.11	1.31e-02	0.0	0.0
26	6.741	0.148	0.309	17.88	2.1	0.15	1.82e-02	0.02	2.18e-03	0.0	0.0
27	7.005	0.143	0.300	32.02	3.8	1.10	0.1	0.07	8.21e-03	0.0	0.0
28	7.142	0.140	0.296	2.18	0.3	3.61	0.4	1.16e-04	1.40e-05	0.0	0.0
29	7.352	0.136	0.290	19.26	2.3	0.02	1.89e-03	0.05	5.91e-03	0.0	0.0
30	7.796	0.128	0.280	1.66	0.2	10.67	1.3	4.23e-03	5.07e-04	0.0	0.0
31	8.122	0.123	0.273	6.38	0.8	27.92	3.3	0.07	8.18e-03	0.0	0.0
32	8.223	0.122	0.270	6.14	0.7	1.06	0.1	0.50	6.04e-02	0.0	0.0
33	8.438	0.119	0.269	4.31	0.5	3.43	0.4	0.60	7.20e-02	0.0	0.0
34	8.719	0.115	0.271	5.14e-03	6.16e-04	5.98	0.7	0.13	1.60e-02	0.0	0.0
35	8.921	0.112	0.272	3.32	0.4	15.00	1.8	2.11e-06	0.0	0.0	0.0
36	9.244	0.108	0.274	4.88	0.6	4.37	0.5	0.12	1.39e-02	0.0	0.0
37	9.522	0.105	0.276	0.84	0.1	3.83e-04	4.59e-05	0.0	0.0	0.0	0.0
38	10.700	0.093	0.264	0.93	0.1	1.15	0.1	0.54	6.46e-02	0.0	0.0
39	10.746	0.093	0.263	9.18	1.1	0.10	1.22e-02	1.30	0.2	0.0	0.0
40	10.918	0.092	0.260	0.05	5.94e-03	8.52e-03	1.02e-03	5.00e-03	6.00e-04	0.0	0.0
41	11.346	0.088	0.253	6.38	0.8	7.62e-03	9.13e-04	5.59	0.7	0.0	0.0
42	11.615	0.086	0.248	2.13e-03	2.56e-04	5.46	0.7	1.87e-04	2.25e-05	0.0	0.0
43	12.163	0.082	0.240	5.22e-05	6.25e-06	3.54	0.4	3.47e-03	4.16e-04	0.0	0.0
44	12.465	0.080	0.235	0.44	5.33e-02	0.12	1.40e-02	34.63	4.2	0.0	0.0
45	12.915	0.077	0.230	19.00	2.3	13.69	1.6	0.81	9.77e-02	0.0	0.0
46	13.166	0.076	0.227	7.46	0.9	1.15e-04	1.37e-05	1.67e-03	2.00e-04	0.0	0.0
47	13.409	0.075	0.224	1.47e-03	1.77e-04	0.31	3.74e-02	0.24	2.83e-02	0.0	0.0
48	13.700	0.073	0.220	0.68	8.21e-02	1.64	0.2	0.15	1.80e-02	0.0	0.0
49	14.115	0.071	0.216	0.53	6.39e-02	4.69	0.6	0.31	3.69e-02	0.0	0.0
50	14.303	0.070	0.214	1.00	0.1	2.49	0.3	0.01	1.76e-03	0.0	0.0
51	14.624	0.068	0.211	1.74	0.2	2.10	0.3	1.21	0.1	0.0	0.0
52	14.714	0.068	0.210	0.01	1.52e-03	0.32	3.80e-02	4.37	0.5	0.0	0.0
53	14.954	0.067	0.208	0.39	4.73e-02	0.02	1.94e-03	0.02	2.17e-03	0.0	0.0
54	15.260	0.066	0.205	1.90	0.2	1.27e-03	1.52e-04	0.02	2.05e-03	0.0	0.0
55	15.302	0.065	0.205	0.02	2.21e-03	0.54	6.42e-02	1.05	0.1	0.0	0.0
56	15.347	0.065	0.204	0.10	1.21e-02	0.63	7.56e-02	0.03	3.92e-03	0.0	0.0
57	15.484	0.065	0.203	2.64	0.3	0.01	1.73e-03	0.01	1.49e-03	0.0	0.0
58	15.564	0.064	0.202	1.87	0.2	1.89	0.2	0.01	1.43e-03	0.0	0.0
59	15.653	0.064	0.202	1.21	0.1	4.43	0.5	2.54e-03	3.04e-04	0.0	0.0
60	15.898	0.063	0.200	5.21	0.6	8.17	1.0	0.14	1.63e-02	0.0	0.0
61	16.155	0.062	0.198	0.16	1.97e-02	2.37	0.3	0.03	3.71e-03	0.0	0.0
62	16.334	0.061	0.196	1.08	0.1	5.48e-03	6.58e-04	1.67e-03	2.01e-04	0.0	0.0
63	16.591	0.060	0.194	0.25	3.00e-02	0.28	3.37e-02	9.90	1.2	0.0	0.0
64	16.660	0.060	0.194	3.25	0.4	7.54	0.9	1.20	0.1	0.0	0.0
65	17.106	0.058	0.192	0.27	3.23e-02	7.54e-03	9.04e-04	0.20	2.43e-02	0.0	0.0
66	17.179	0.058	0.192	2.44	0.3	1.36	0.2	1.44	0.2	0.0	0.0
67	17.669	0.057	0.190	0.48	5.79e-02	0.01	1.56e-03	10.63	1.3	0.0	0.0
68	18.008	0.056	0.189	1.89	0.2	3.13	0.4	0.13	1.58e-02	0.0	0.0
69	18.313	0.055	0.188	0.46	5.48e-02	1.71e-04	2.05e-05	0.01	1.46e-03	0.0	0.0
70	18.475	0.054	0.187	0.43	5.17e-02	0.02	2.60e-03	0.02	2.17e-03	0.0	0.0
71	18.824	0.053	0.186	0.85	0.1	2.23	0.3	0.60	7.24e-02	0.0	0.0
72	18.927	0.053	0.186	0.14	1.70e-02	3.67	0.4	5.39	0.6	0.0	0.0
73	19.268	0.052	0.185	2.11	0.3	0.14	1.71e-02	7.32	0.9	0.0	0.0
74	19.434	0.051	0.185	3.36	0.4	1.68	0.2	4.88	0.6	0.0	0.0
75	19.650	0.051	0.184	0.50	6.05e-02	0.23	2.76e-02	1.18	0.1	0.0	0.0
76	20.203	0.049	0.183	0.13	1.55e-02	0.09	1.13e-02	0.22	2.63e-02	0.0	0.0
77	20.933	0.048	0.181	0.81	9.67e-02	1.11	0.1	7.03	0.8	0.0	0.0
78	21.332	0.047	0.180	0.17	2.02e-02	0.05	5.51e-03	1.46	0.2	0.0	0.0
79	21.944	0.046	0.179	0.60	7.19e-02	0.84	0.1	7.40	0.9	0.0	0.0
80	22.263	0.045	0.178	7.75e-03	9.29e-04	0.20	2.41e-02	1.44	0.2	0.0	0.0
81	23.096	0.043	0.176	0.10	1.19e-02	0.40	4.74e-02	3.28	0.4	0.0	0.0
82	23.276	0.043	0.176	0.57	6.83e-02	0.02	2.24e-03	2.38	0.3	0.0	0.0
83	23.449	0.043	0.176	2.80	0.3	4.76e-03	5.71e-04	15.79	1.9	0.0	0.0
84	24.402	0.041	0.174	0.17	2.00e-02	3.24e-03	3.89e-04	5.12	0.6	0.0	0.0
85	25.005	0.040	0.173	0.02	1.87e-03	1.90	0.2	0.09	1.09e-02	0.0	0.0
86	25.304	0.040	0.173	0.61	7.26e-02	1.09e-06	0.0	7.52e-03	9.02e-04	0.0	0.0
87	25.399	0.039	0.173	1.80e-04	2.15e-05	0.16	1.98e-02	0.22	2.65e-02	0.0	0.0
88	25.737	0.039	0.173	3.72	0.4	0.05	5.69e-03	0.11	1.31e-02	0.0	0.0
89	25.890	0.039	0.173	0.22	2.69e-02	2.80e-06	0.0	0.01	1.35e-03	0.0	0.0
90	26.298	0.038	0.173	0.05	5.97e-03	8.47e-04	1.02e-04	1.34	0.2	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
91	26.355	0.038	0.173	0.01	1.65e-03	0.01	1.64e-03	2.50	0.3	0.0	0.0
92	27.100	0.037	0.172	0.04	4.66e-03	0.04	5.16e-03	3.23	0.4	0.0	0.0
93	27.382	0.037	0.172	1.08	0.1	8.38e-05	1.00e-05	0.08	9.00e-03	0.0	0.0
94	28.131	0.036	0.172	2.40e-04	2.88e-05	3.55e-04	4.25e-05	8.17	1.0	0.0	0.0
95	28.251	0.035	0.172	1.28e-04	1.53e-05	6.20e-03	7.44e-04	52.98	6.4	0.0	0.0
96	28.637	0.035	0.172	0.37	4.46e-02	3.07e-03	3.69e-04	0.21	2.56e-02	0.0	0.0
97	29.470	0.034	0.172	0.02	2.86e-03	0.07	8.56e-03	2.73e-05	3.28e-06	0.0	0.0
98	30.316	0.033	0.172	0.33	3.92e-02	1.29	0.2	1.15e-04	1.38e-05	0.0	0.0
99	30.807	0.032	0.172	3.12	0.4	0.13	1.51e-02	0.01	1.58e-03	0.0	0.0
100	31.784	0.031	0.172	0.10	1.25e-02	0.13	1.58e-02	1.30	0.2	0.0	0.0
101	31.819	0.031	0.172	0.09	1.08e-02	0.06	7.10e-03	2.91	0.3	0.0	0.0
102	33.119	0.030	0.171	4.03	0.5	6.72e-03	8.05e-04	0.47	5.61e-02	0.0	0.0
103	34.366	0.029	0.171	4.08	0.5	0.09	1.06e-02	0.32	3.79e-02	0.0	0.0
104	34.494	0.029	0.171	0.04	5.11e-03	5.22e-03	6.25e-04	11.46	1.4	0.0	0.0
105	36.258	0.028	0.171	6.28e-04	7.53e-05	2.16e-03	2.59e-04	5.28	0.6	0.0	0.0
106	36.327	0.028	0.171	1.60e-03	1.92e-04	0.13	1.54e-02	0.72	8.69e-02	0.0	0.0
107	36.715	0.027	0.171	0.16	1.87e-02	1.06e-05	1.27e-06	0.02	2.15e-03	0.0	0.0
108	36.955	0.027	0.171	3.16e-04	3.78e-05	2.51e-04	3.01e-05	26.63	3.2	0.0	0.0
109	37.278	0.027	0.171	1.71e-03	2.05e-04	0.42	4.98e-02	0.09	1.06e-02	0.0	0.0
110	37.396	0.027	0.171	6.21e-04	7.44e-05	0.03	3.31e-03	4.95e-03	5.93e-04	0.0	0.0
111	37.678	0.027	0.171	0.02	2.99e-03	0.01	1.64e-03	1.85e-04	2.22e-05	0.0	0.0
112	38.134	0.026	0.171	0.02	2.62e-03	5.57e-04	6.68e-05	0.01	1.20e-03	0.0	0.0
113	41.227	0.024	0.171	1.01e-03	1.22e-04	8.20e-04	9.83e-05	58.23	7.0	0.0	0.0
114	41.381	0.024	0.171	2.31e-05	2.77e-06	6.00e-03	7.20e-04	1.38e-04	1.66e-05	0.0	0.0
115	41.732	0.024	0.170	0.01	1.74e-03	0.02	2.67e-03	0.25	3.00e-02	0.0	0.0
116	41.770	0.024	0.170	0.04	4.33e-03	0.02	1.82e-03	17.71	2.1	0.0	0.0
117	41.995	0.024	0.170	4.65e-03	5.58e-04	4.42e-03	5.30e-04	0.01	1.36e-03	0.0	0.0
118	42.378	0.024	0.170	2.35e-04	2.81e-05	0.03	4.00e-03	0.03	3.95e-03	0.0	0.0
119	42.601	0.023	0.170	5.33e-03	6.39e-04	8.61e-04	1.03e-04	8.60e-03	1.03e-03	0.0	0.0
120	44.162	0.023	0.170	0.22	2.68e-02	2.53	0.3	2.33e-03	2.79e-04	0.0	0.0
121	45.605	0.022	0.170	1.26e-03	1.51e-04	4.89e-03	5.87e-04	0.07	7.99e-03	0.0	0.0
122	46.393	0.022	0.170	6.89e-05	8.26e-06	0.02	2.54e-03	47.04	5.6	0.0	0.0
123	46.532	0.021	0.170	3.65e-03	4.38e-04	2.78e-03	3.33e-04	2.71	0.3	0.0	0.0
124	46.883	0.021	0.170	7.35e-04	8.82e-05	3.77e-03	4.52e-04	11.85	1.4	0.0	0.0
125	47.132	0.021	0.170	0.24	2.82e-02	1.34	0.2	0.95	0.1	0.0	0.0
126	47.418	0.021	0.170	3.82e-03	4.59e-04	0.05	6.41e-03	9.67	1.2	0.0	0.0
127	48.627	0.021	0.170	1.30e-06	0.0	8.09	1.0	2.79e-03	3.34e-04	0.0	0.0
128	49.257	0.020	0.170	6.32e-05	7.57e-06	8.87e-03	1.06e-03	101.43	12.2	0.0	0.0
129	49.683	0.020	0.170	5.81e-04	6.97e-05	6.63e-03	7.95e-04	1.56	0.2	0.0	0.0
130	50.740	0.020	0.170	9.10e-03	1.09e-03	0.11	1.33e-02	28.78	3.5	0.0	0.0
131	52.820	0.019	0.170	0.0	0.0	2.41e-06	0.0	37.23	4.5	0.0	0.0
132	53.439	0.019	0.170	2.67e-03	3.21e-04	0.02	2.84e-03	1.28	0.2	0.0	0.0
133	54.065	0.018	0.170	1.58e-06	0.0	3.54e-03	4.24e-04	16.70	2.0	0.0	0.0
134	54.247	0.018	0.170	2.89e-03	3.47e-04	0.07	7.99e-03	3.46e-03	4.15e-04	0.0	0.0
135	54.265	0.018	0.170	0.11	1.34e-02	1.00e-04	1.20e-05	5.57e-03	6.67e-04	0.0	0.0
136	54.323	0.018	0.170	3.24	0.4	1.27e-05	1.52e-06	8.03	1.0	0.0	0.0
137	54.546	0.018	0.170	3.99e-04	4.79e-05	9.53e-05	1.14e-05	0.02	2.73e-03	0.0	0.0
138	54.700	0.018	0.170	0.10	1.20e-02	2.37e-03	2.85e-04	0.27	3.22e-02	0.0	0.0
139	54.907	0.018	0.170	2.09	0.3	1.32e-06	0.0	9.13	1.1	0.0	0.0
140	54.996	0.018	0.170	2.95e-03	3.54e-04	0.03	3.31e-03	27.60	3.3	0.0	0.0
141	55.353	0.018	0.170	4.60e-05	5.51e-06	1.48e-04	1.77e-05	5.03e-03	6.03e-04	0.0	0.0
142	58.241	0.017	0.170	1.63e-05	1.95e-06	7.22	0.9	5.18	0.6	0.0	0.0
143	58.960	0.017	0.170	0.05	6.39e-03	3.01e-03	3.60e-04	12.55	1.5	0.0	0.0
144	59.042	0.017	0.170	0.08	9.62e-03	5.51e-03	6.60e-04	21.02	2.5	0.0	0.0
145	59.442	0.017	0.170	4.19e-04	5.02e-05	7.00e-04	8.39e-05	3.61e-03	4.33e-04	0.0	0.0
146	59.911	0.017	0.170	7.79	0.9	0.0	0.0	5.07	0.6	0.0	0.0
147	60.697	0.016	0.170	0.03	3.01e-03	4.26e-04	5.11e-05	3.43	0.4	0.0	0.0
148	60.699	0.016	0.170	4.95e-03	5.94e-04	2.91e-03	3.49e-04	20.92	2.5	0.0	0.0
149	61.066	0.016	0.170	5.41e-03	6.49e-04	2.28e-04	2.74e-05	0.04	4.50e-03	0.0	0.0
150	61.693	0.016	0.170	2.32e-04	2.78e-05	0.0	0.0	14.76	1.8	0.0	0.0
151	61.730	0.016	0.170	3.62e-05	4.33e-06	2.67e-04	3.20e-05	12.77	1.5	0.0	0.0
152	62.371	0.016	0.170	0.88	0.1	0.03	4.04e-03	5.08	0.6	0.0	0.0
153	63.120	0.016	0.170	0.0	0.0	0.23	2.81e-02	0.02	2.96e-03	0.0	0.0
154	65.044	0.015	0.170	0.19	2.28e-02	1.20e-06	0.0	0.03	3.34e-03	0.0	0.0
155	65.307	0.015	0.170	0.06	7.21e-03	7.52e-04	9.02e-05	0.04	4.57e-03	0.0	0.0
156	66.037	0.015	0.170	0.82	9.87e-02	0.04	4.59e-03	1.15	0.1	0.0	0.0
157	69.097	0.014	0.170	2.40e-06	0.0	7.41e-04	8.88e-05	0.13	1.50e-02	0.0	0.0
158	70.051	0.014	0.170	0.11	1.27e-02	1.15e-03	1.37e-04	0.02	1.93e-03	0.0	0.0
159	70.227	0.014	0.170	1.10e-04	1.32e-05	0.02	1.84e-03	0.02	2.38e-03	0.0	0.0
160	70.289	0.014	0.170	3.54e-04	4.24e-05	2.43e-03	2.92e-04	0.05	5.59e-03	0.0	0.0
161	70.931	0.014	0.170	9.20e-04	1.10e-04	0.02	2.81e-03	0.08	9.73e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
162	72.924	0.014	0.170	0.03	3.44e-03	5.67e-04	6.80e-05	0.04	4.67e-03	0.0	0.0
163	73.405	0.014	0.170	1.99e-03	2.39e-04	1.46e-04	1.75e-05	0.49	5.89e-02	0.0	0.0
164	73.734	0.014	0.170	0.01	1.32e-03	8.20e-03	9.84e-04	0.44	5.28e-02	0.0	0.0
165	75.595	0.013	0.170	6.58e-04	7.89e-05	0.08	9.53e-03	0.02	2.33e-03	0.0	0.0
166	76.135	0.013	0.170	3.60e-03	4.32e-04	5.18e-03	6.22e-04	0.31	3.77e-02	0.0	0.0
167	78.631	0.013	0.170	2.23e-03	2.67e-04	0.19	2.31e-02	0.06	7.03e-03	0.0	0.0
168	79.225	0.013	0.170	1.27e-03	1.53e-04	6.03e-05	7.23e-06	0.46	5.52e-02	0.0	0.0
169	79.613	0.013	0.170	1.81e-03	2.17e-04	3.94e-03	4.73e-04	1.04	0.1	0.0	0.0
170	79.951	0.013	0.170	3.38e-05	4.05e-06	2.87e-03	3.45e-04	14.57	1.7	0.0	0.0
171	82.570	0.012	0.170	0.20	2.36e-02	1.42e-03	1.70e-04	0.39	4.72e-02	0.0	0.0
172	83.142	0.012	0.170	1.93e-03	2.31e-04	0.27	3.22e-02	0.92	0.1	0.0	0.0
173	83.665	0.012	0.170	4.39e-04	5.26e-05	0.03	3.64e-03	2.41	0.3	0.0	0.0
174	84.860	0.012	0.170	2.86e-04	3.43e-05	2.36e-03	2.83e-04	1.27	0.2	0.0	0.0
175	87.778	0.011	0.170	3.88e-03	4.66e-04	1.73e-04	2.07e-05	0.02	2.54e-03	0.0	0.0
176	89.054	0.011	0.170	2.40e-06	0.0	0.01	1.31e-03	2.30	0.3	0.0	0.0
177	89.559	0.011	0.170	7.75e-05	9.30e-06	0.26	3.07e-02	0.55	6.65e-02	0.0	0.0
178	91.748	0.011	0.170	4.30e-03	5.16e-04	0.07	7.80e-03	0.02	2.68e-03	0.0	0.0
179	92.158	0.011	0.170	0.05	5.75e-03	4.11e-03	4.92e-04	0.01	1.67e-03	0.0	0.0
180	94.211	0.011	0.170	9.04e-04	1.08e-04	8.20e-04	9.84e-05	0.51	6.11e-02	0.0	0.0
181	96.032	0.010	0.170	2.64e-04	3.17e-05	0.33	3.93e-02	0.17	2.00e-02	0.0	0.0
182	98.429	0.010	0.170	0.02	1.94e-03	6.88e-03	8.24e-04	0.23	2.73e-02	0.0	0.0
183	99.738	0.010	0.170	7.15e-04	8.57e-05	0.03	3.21e-03	1.65	0.2	0.0	0.0
184	100.763	0.010	0.170	1.82e-03	2.18e-04	4.55e-03	5.45e-04	0.67	8.02e-02	0.0	0.0
185	105.099	0.010	0.170	3.76e-04	4.51e-05	1.23e-03	1.48e-04	2.21	0.3	0.0	0.0
186	106.493	0.009	0.170	3.48e-04	4.17e-05	6.15e-04	7.38e-05	5.03	0.6	0.0	0.0
187	107.986	0.009	0.170	4.05e-03	4.85e-04	5.34e-04	6.40e-05	0.87	0.1	0.0	0.0
188	109.584	0.009	0.170	2.34e-05	2.81e-06	0.07	8.39e-03	0.04	4.86e-03	0.0	0.0
189	113.424	0.009	0.170	4.10e-04	4.92e-05	2.59e-04	3.11e-05	0.76	9.08e-02	0.0	0.0
190	116.999	0.009	0.170	1.58e-06	0.0	0.01	1.54e-03	0.04	4.47e-03	0.0	0.0
191	124.081	0.008	0.170	0.04	4.78e-03	3.67e-04	4.40e-05	0.02	2.37e-03	0.0	0.0
192	126.596	0.008	0.170	0.50	5.96e-02	0.06	6.77e-03	1.87e-05	2.24e-06	0.0	0.0
193	132.332	0.008	0.170	8.72e-03	1.05e-03	8.91e-03	1.07e-03	0.42	5.09e-02	0.0	0.0
194	135.337	0.007	0.170	8.78e-03	1.05e-03	6.55e-03	7.85e-04	3.39	0.4	0.0	0.0
195	139.073	0.007	0.170	0.29	3.44e-02	0.25	3.03e-02	3.18e-03	3.82e-04	0.0	0.0
196	146.215	0.007	0.170	4.37e-03	5.24e-04	9.01e-03	1.08e-03	16.85	2.0	0.0	0.0
197	148.882	0.007	0.170	0.09	1.11e-02	0.10	1.15e-02	0.07	8.21e-03	0.0	0.0
198	150.626	0.007	0.170	0.14	1.67e-02	0.02	2.44e-03	0.58	6.99e-02	0.0	0.0
199	154.420	0.006	0.170	0.13	1.60e-02	0.02	1.99e-03	6.71	0.8	0.0	0.0
200	155.716	0.006	0.170	0.17	2.08e-02	0.08	9.19e-03	3.32	0.4	0.0	0.0
201	170.444	0.006	0.170	0.23	2.79e-02	0.08	9.41e-03	0.46	5.56e-02	0.0	0.0
202	173.897	0.006	0.170	5.11e-05	6.12e-06	9.41e-06	1.13e-06	10.96	1.3	0.0	0.0
203	176.806	0.006	0.170	0.03	3.68e-03	0.10	1.22e-02	7.84e-06	0.0	0.0	0.0
204	186.898	0.005	0.170	0.09	1.08e-02	0.03	3.81e-03	0.40	4.74e-02	0.0	0.0
205	192.469	0.005	0.170	6.00e-04	7.19e-05	0.03	3.02e-03	1.26	0.2	0.0	0.0
206	194.554	0.005	0.170	0.05	5.43e-03	0.04	4.24e-03	0.61	7.27e-02	0.0	0.0
207	213.039	0.005	0.170	0.05	6.01e-03	0.01	1.39e-03	0.05	6.27e-03	0.0	0.0
208	219.341	0.005	0.170	4.66e-03	5.59e-04	0.07	8.54e-03	1.71e-03	2.05e-04	0.0	0.0
209	220.784	0.005	0.170	5.15e-04	6.17e-05	6.71e-04	8.05e-05	4.45	0.5	0.0	0.0
210	260.551	0.004	0.170	0.05	6.56e-03	0.05	5.50e-03	0.03	3.48e-03	0.0	0.0
211	263.897	0.004	0.170	3.73e-03	4.47e-04	0.05	5.70e-03	0.28	3.38e-02	0.0	0.0
212	265.546	0.004	0.170	1.32e-03	1.59e-04	3.81e-03	4.56e-04	2.35	0.3	0.0	0.0
213	290.562	0.003	0.170	3.02e-03	3.62e-04	0.07	8.15e-03	1.11e-03	1.33e-04	0.0	0.0
214	304.050	0.003	0.170	0.13	1.61e-02	8.48e-04	1.02e-04	3.05e-03	3.66e-04	0.0	0.0
215	334.211	0.003	0.170	2.17e-03	2.60e-04	1.87e-06	0.0	0.79	9.51e-02	0.0	0.0
216	358.137	0.003	0.170	0.01	1.36e-03	1.92e-04	2.30e-05	0.08	1.01e-02	0.0	0.0
217	385.392	0.003	0.170	2.38e-04	2.86e-05	2.11e-03	2.53e-04	1.34e-03	1.60e-04	0.0	0.0
218	414.062	0.002	0.170	1.03e-04	1.23e-05	1.69e-04	2.02e-05	0.89	0.1	0.0	0.0
219	547.766	0.002	0.170	8.11e-04	9.72e-05	7.17e-04	8.60e-05	0.27	3.26e-02	0.0	0.0
220	559.019	0.002	0.170	3.92e-03	4.71e-04	6.96e-04	8.35e-05	0.15	1.82e-02	0.0	0.0
221	605.067	0.002	0.170	1.46e-04	1.75e-05	3.59e-05	4.30e-06	0.55	6.65e-02	0.0	0.0
222	821.320	0.001	0.170	2.04e-04	2.45e-05	5.40e-04	6.48e-05	3.15e-03	3.78e-04	0.0	0.0
223	915.271	0.001	0.170	5.66e-04	6.79e-05	2.85e-05	3.42e-06	0.08	9.13e-03	0.0	0.0
224	957.242	0.001	0.170	6.01e-05	7.21e-06	9.31e-06	1.12e-06	0.28	3.37e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0

CDC	Tipo	Sigla Id	Note
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.343 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	0.0	0.40	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	0.0	0.54	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	0.0	0.54	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	0.0	0.30	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	0.0	0.54	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	0.0	0.38	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	0.0	0.08	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.861	1.161	0.164	9.51	1.1	4.90e-04	5.87e-05	0.0	0.0	0.0	0.0
2	0.864	1.157	0.164	0.03	3.55e-03	0.0	0.0	5.36e-06	0.0	0.0	0.0
3	1.027	0.974	0.178	1.98e-03	2.37e-04	11.57	1.4	1.17e-05	1.40e-06	0.0	0.0
4	1.032	0.969	0.178	1.41e-04	1.69e-05	0.03	3.16e-03	1.34e-05	1.60e-06	0.0	0.0
5	1.325	0.755	0.221	4.07e-03	4.88e-04	11.19	1.3	1.48e-06	0.0	0.0	0.0
6	1.327	0.754	0.221	1.20e-04	1.43e-05	0.03	3.76e-03	8.08e-06	0.0	0.0	0.0
7	1.418	0.705	0.258	9.81	1.2	8.37e-03	1.00e-03	0.0	0.0	0.0	0.0
8	1.420	0.704	0.259	0.03	3.77e-03	6.58e-06	0.0	6.19e-06	0.0	0.0	0.0
9	1.512	0.662	0.285	2.14e-06	0.0	3.66	0.4	0.0	0.0	0.0	0.0
10	1.589	0.629	0.322	6.06	0.7	2.21e-06	0.0	1.43e-05	1.71e-06	0.0	0.0
11	1.597	0.626	0.326	0.01	1.47e-03	1.40e-04	1.68e-05	1.37e-05	1.64e-06	0.0	0.0
12	2.221	0.450	0.372	1.26	0.2	12.60	1.5	2.46e-04	2.94e-05	0.0	0.0
13	2.359	0.424	0.388	183.63	22.0	340.08	40.8	0.04	4.85e-03	0.0	0.0
14	2.912	0.343	0.476	267.98	32.1	179.85	21.6	0.02	2.09e-03	0.0	0.0
15	3.536	0.283	0.523	13.68	1.6	0.49	5.87e-02	2.73e-03	3.28e-04	0.0	0.0
16	3.577	0.280	0.519	66.91	8.0	19.43	2.3	1.40e-04	1.68e-05	0.0	0.0
17	4.084	0.245	0.472	0.52	6.28e-02	0.03	4.19e-03	0.03	3.08e-03	0.0	0.0
18	4.258	0.235	0.432	3.42e-03	4.10e-04	18.09	2.2	2.19e-04	2.63e-05	0.0	0.0
19	4.274	0.234	0.428	0.04	4.99e-03	2.29	0.3	1.16e-03	1.39e-04	0.0	0.0
20	4.379	0.228	0.404	0.15	1.74e-02	45.56	5.5	0.12	1.40e-02	0.0	0.0
21	5.176	0.193	0.358	24.26	2.9	0.03	3.35e-03	0.23	2.73e-02	0.0	0.0
22	5.588	0.179	0.353	16.37	2.0	1.21e-04	1.45e-05	1.80e-05	2.15e-06	0.0	0.0
23	5.839	0.171	0.343	4.10e-03	4.92e-04	0.16	1.96e-02	2.29e-03	2.74e-04	0.0	0.0
24	5.946	0.168	0.339	3.71	0.4	10.33	1.2	3.98e-03	4.77e-04	0.0	0.0
25	6.399	0.156	0.322	2.28	0.3	1.39	0.2	4.49e-03	5.39e-04	0.0	0.0
26	6.827	0.146	0.306	1.00	0.1	0.06	6.64e-03	1.48e-03	1.77e-04	0.0	0.0
27	6.990	0.143	0.301	28.70	3.4	1.01	0.1	0.04	4.65e-03	0.0	0.0
28	7.200	0.139	0.294	0.14	1.63e-02	4.69	0.6	1.40e-03	1.68e-04	0.0	0.0
29	7.388	0.135	0.290	42.71	5.1	0.76	9.11e-02	0.13	1.61e-02	0.0	0.0
30	7.837	0.128	0.279	0.14	1.68e-02	24.16	2.9	0.02	2.50e-03	0.0	0.0
31	8.065	0.124	0.274	1.63	0.2	2.84	0.3	0.08	9.09e-03	0.0	0.0
32	8.349	0.120	0.268	0.35	4.19e-02	0.84	0.1	1.03	0.1	0.0	0.0
33	8.412	0.119	0.269	15.49	1.9	9.75	1.2	0.08	1.02e-02	0.0	0.0
34	8.806	0.114	0.271	2.94	0.4	25.01	3.0	0.10	1.20e-02	0.0	0.0
35	8.989	0.111	0.273	3.98	0.5	0.04	5.39e-03	0.11	1.32e-02	0.0	0.0
36	9.404	0.106	0.275	1.08	0.1	2.05	0.2	7.44e-03	8.92e-04	0.0	0.0
37	9.856	0.101	0.278	7.00	0.8	0.25	2.96e-02	0.93	0.1	0.0	0.0
38	10.044	0.100	0.277	4.92	0.6	0.02	1.81e-03	2.18	0.3	0.0	0.0
39	10.181	0.098	0.274	6.11	0.7	0.19	2.27e-02	1.68	0.2	0.0	0.0
40	10.468	0.096	0.269	6.02e-04	7.21e-05	0.58	6.93e-02	7.19e-03	8.62e-04	0.0	0.0
41	10.818	0.092	0.262	2.06	0.2	2.13	0.3	0.02	2.01e-03	0.0	0.0
42	11.615	0.086	0.248	2.55e-04	3.06e-05	5.51	0.7	8.46e-04	1.01e-04	0.0	0.0
43	12.166	0.082	0.240	0.04	4.72e-03	4.15	0.5	4.29e-03	5.14e-04	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
44	12.425	0.080	0.236	15.70	1.9	6.61	0.8	9.23	1.1	0.0	0.0
45	12.492	0.080	0.235	6.03	0.7	2.62	0.3	26.50	3.2	0.0	0.0
46	13.128	0.076	0.227	3.92	0.5	0.44	5.30e-02	2.69e-03	3.23e-04	0.0	0.0
47	13.415	0.075	0.224	0.39	4.68e-02	1.39	0.2	0.27	3.28e-02	0.0	0.0
48	13.599	0.074	0.222	0.72	8.66e-02	7.45	0.9	3.19e-04	3.83e-05	0.0	0.0
49	13.880	0.072	0.218	0.40	4.84e-02	2.00	0.2	0.11	1.32e-02	0.0	0.0
50	14.317	0.070	0.214	0.02	2.60e-03	0.15	1.76e-02	0.54	6.51e-02	0.0	0.0
51	14.515	0.069	0.212	4.71e-03	5.64e-04	2.89	0.3	0.14	1.69e-02	0.0	0.0
52	14.715	0.068	0.210	4.81e-03	5.77e-04	0.35	4.24e-02	5.33	0.6	0.0	0.0
53	14.906	0.067	0.208	0.40	4.77e-02	0.08	9.85e-03	0.02	2.78e-03	0.0	0.0
54	15.141	0.066	0.206	0.36	4.30e-02	0.03	3.11e-03	0.15	1.86e-02	0.0	0.0
55	15.302	0.065	0.205	0.03	3.51e-03	0.61	7.35e-02	1.76	0.2	0.0	0.0
56	15.349	0.065	0.204	0.12	1.38e-02	0.01	1.26e-03	6.36	0.8	0.0	0.0
57	15.401	0.065	0.204	0.07	8.44e-03	0.48	5.79e-02	0.88	0.1	0.0	0.0
58	15.541	0.064	0.203	0.98	0.1	5.60	0.7	0.01	1.29e-03	0.0	0.0
59	15.635	0.064	0.202	3.14	0.4	1.67	0.2	0.01	1.26e-03	0.0	0.0
60	15.829	0.063	0.200	4.15	0.5	2.01	0.2	2.10e-03	2.52e-04	0.0	0.0
61	16.091	0.062	0.198	0.92	0.1	6.56e-04	7.86e-05	2.48e-04	2.97e-05	0.0	0.0
62	16.154	0.062	0.198	0.38	4.60e-02	5.59	0.7	0.08	9.29e-03	0.0	0.0
63	16.336	0.061	0.196	1.14	0.1	0.31	3.74e-02	0.01	1.29e-03	0.0	0.0
64	16.593	0.060	0.194	0.08	9.82e-03	0.56	6.71e-02	10.50	1.3	0.0	0.0
65	16.742	0.060	0.193	2.71	0.3	10.43	1.3	0.80	9.60e-02	0.0	0.0
66	16.774	0.060	0.193	6.19	0.7	0.42	5.08e-02	0.02	2.13e-03	0.0	0.0
67	17.498	0.057	0.191	0.89	0.1	1.11	0.1	0.19	2.25e-02	0.0	0.0
68	17.726	0.056	0.190	1.46	0.2	0.09	1.04e-02	1.26	0.2	0.0	0.0
69	17.963	0.056	0.189	0.27	3.30e-02	2.90	0.3	2.93e-05	3.51e-06	0.0	0.0
70	18.272	0.055	0.188	0.28	3.30e-02	0.03	3.28e-03	0.06	6.97e-03	0.0	0.0
71	18.423	0.054	0.188	6.45	0.8	0.27	3.20e-02	1.60	0.2	0.0	0.0
72	18.554	0.054	0.187	2.64	0.3	0.03	3.72e-03	0.06	7.31e-03	0.0	0.0
73	18.887	0.053	0.186	1.05	0.1	5.14	0.6	5.45	0.7	0.0	0.0
74	18.931	0.053	0.186	1.16	0.1	0.25	3.03e-02	2.61	0.3	0.0	0.0
75	18.973	0.053	0.186	2.49	0.3	0.79	9.47e-02	0.69	8.22e-02	0.0	0.0
76	19.748	0.051	0.184	1.03	0.1	1.05	0.1	0.08	9.20e-03	0.0	0.0
77	20.317	0.049	0.182	0.14	1.68e-02	0.07	8.50e-03	3.36	0.4	0.0	0.0
78	20.521	0.049	0.182	0.26	3.12e-02	0.09	1.11e-02	17.79	2.1	0.0	0.0
79	21.792	0.046	0.179	0.26	3.16e-02	1.49	0.2	1.00	0.1	0.0	0.0
80	22.111	0.045	0.178	0.27	3.26e-02	0.44	5.22e-02	3.37	0.4	0.0	0.0
81	22.382	0.045	0.178	2.31e-03	2.77e-04	0.29	3.44e-02	20.14	2.4	0.0	0.0
82	23.168	0.043	0.176	2.23e-03	2.67e-04	0.11	1.30e-02	10.93	1.3	0.0	0.0
83	23.859	0.042	0.175	0.53	6.37e-02	8.81e-03	1.06e-03	0.53	6.36e-02	0.0	0.0
84	23.937	0.042	0.175	1.22	0.1	7.31e-03	8.77e-04	1.46e-03	1.75e-04	0.0	0.0
85	24.883	0.040	0.173	0.05	6.05e-03	1.94	0.2	0.02	1.84e-03	0.0	0.0
86	25.292	0.040	0.173	0.06	7.65e-03	1.19e-03	1.43e-04	0.01	1.31e-03	0.0	0.0
87	25.399	0.039	0.173	8.67e-04	1.04e-04	0.17	2.00e-02	0.22	2.61e-02	0.0	0.0
88	25.611	0.039	0.173	0.47	5.63e-02	1.10e-03	1.32e-04	0.01	1.52e-03	0.0	0.0
89	25.813	0.039	0.173	0.05	6.48e-03	0.04	4.61e-03	3.28	0.4	0.0	0.0
90	26.298	0.038	0.173	5.01e-03	6.00e-04	4.49e-03	5.39e-04	0.02	1.99e-03	0.0	0.0
91	26.377	0.038	0.172	0.02	2.98e-03	0.02	1.92e-03	1.22	0.1	0.0	0.0
92	26.904	0.037	0.172	1.43	0.2	1.91e-03	2.29e-04	0.12	1.39e-02	0.0	0.0
93	27.250	0.037	0.172	2.30	0.3	0.03	3.91e-03	0.04	4.68e-03	0.0	0.0
94	28.108	0.036	0.172	4.75e-03	5.69e-04	2.21e-04	2.65e-05	12.88	1.5	0.0	0.0
95	28.247	0.035	0.172	5.72e-03	6.86e-04	8.85e-03	1.06e-03	49.86	6.0	0.0	0.0
96	28.764	0.035	0.172	3.20e-03	3.84e-04	0.02	2.09e-03	0.23	2.76e-02	0.0	0.0
97	29.052	0.034	0.172	0.91	0.1	8.58e-03	1.03e-03	0.03	3.07e-03	0.0	0.0
98	29.480	0.034	0.172	5.71	0.7	0.56	6.72e-02	0.07	8.05e-03	0.0	0.0
99	30.026	0.033	0.172	1.22	0.1	0.02	2.69e-03	0.05	6.48e-03	0.0	0.0
100	30.480	0.033	0.172	1.56	0.2	0.68	8.13e-02	0.03	3.26e-03	0.0	0.0
101	31.261	0.032	0.172	0.22	2.69e-02	0.39	4.65e-02	0.01	1.55e-03	0.0	0.0
102	31.768	0.031	0.172	0.01	1.24e-03	3.50e-05	4.19e-06	4.71	0.6	0.0	0.0
103	34.495	0.029	0.171	8.73e-05	1.05e-05	0.01	1.34e-03	10.91	1.3	0.0	0.0
104	36.131	0.028	0.171	4.21	0.5	0.03	3.46e-03	2.39	0.3	0.0	0.0
105	36.252	0.028	0.171	0.06	7.04e-03	9.11e-05	1.09e-05	4.79	0.6	0.0	0.0
106	36.325	0.028	0.171	0.03	3.25e-03	0.14	1.66e-02	0.43	5.13e-02	0.0	0.0
107	36.582	0.027	0.171	0.26	3.16e-02	2.24e-05	2.69e-06	0.06	6.81e-03	0.0	0.0
108	36.960	0.027	0.171	1.52e-03	1.82e-04	1.76e-04	2.10e-05	26.20	3.1	0.0	0.0
109	37.283	0.027	0.171	0.01	1.44e-03	0.44	5.22e-02	0.09	1.13e-02	0.0	0.0
110	37.373	0.027	0.171	4.47e-05	5.36e-06	0.01	1.59e-03	3.18e-03	3.81e-04	0.0	0.0
111	37.505	0.027	0.171	0.03	3.90e-03	7.49e-03	8.98e-04	0.01	1.28e-03	0.0	0.0
112	37.765	0.026	0.171	0.16	1.96e-02	7.10e-03	8.51e-04	0.01	1.67e-03	0.0	0.0
113	40.397	0.025	0.171	0.02	1.93e-03	1.50e-06	0.0	0.02	2.97e-03	0.0	0.0
114	41.206	0.024	0.171	4.58e-05	5.49e-06	5.26e-04	6.31e-05	59.81	7.2	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
115	41.390	0.024	0.171	3.12e-06	0.0	5.89e-03	7.07e-04	0.02	2.66e-03	0.0	0.0
116	41.710	0.024	0.170	0.02	2.11e-03	9.08e-03	1.09e-03	1.02	0.1	0.0	0.0
117	41.755	0.024	0.170	0.01	1.47e-03	0.03	3.45e-03	16.91	2.0	0.0	0.0
118	41.983	0.024	0.170	6.70e-03	8.04e-04	3.61e-03	4.33e-04	4.24e-03	5.08e-04	0.0	0.0
119	42.377	0.024	0.170	3.70e-03	4.44e-04	9.84e-03	1.18e-03	0.03	3.16e-03	0.0	0.0
120	43.209	0.023	0.170	0.25	2.95e-02	1.83	0.2	0.03	3.06e-03	0.0	0.0
121	45.601	0.022	0.170	8.33e-06	0.0	6.25e-06	0.0	0.45	5.37e-02	0.0	0.0
122	46.203	0.022	0.170	9.45	1.1	5.05e-05	6.05e-06	6.16e-03	7.38e-04	0.0	0.0
123	46.318	0.022	0.170	3.66e-03	4.38e-04	0.02	2.90e-03	39.48	4.7	0.0	0.0
124	46.459	0.022	0.170	1.55e-03	1.86e-04	0.04	4.32e-03	6.44	0.8	0.0	0.0
125	46.615	0.021	0.170	0.10	1.22e-02	2.07	0.2	0.02	1.95e-03	0.0	0.0
126	46.898	0.021	0.170	1.41e-03	1.69e-04	0.05	5.99e-03	11.63	1.4	0.0	0.0
127	47.384	0.021	0.170	3.50e-05	4.20e-06	0.03	3.78e-03	13.51	1.6	0.0	0.0
128	48.627	0.021	0.170	1.75e-06	0.0	8.08	1.0	2.24e-03	2.68e-04	0.0	0.0
129	49.254	0.020	0.170	1.74e-04	2.09e-05	0.01	1.30e-03	99.91	12.0	0.0	0.0
130	49.698	0.020	0.170	6.63e-04	7.95e-05	4.44e-03	5.32e-04	3.20	0.4	0.0	0.0
131	50.832	0.020	0.170	0.01	1.23e-03	0.12	1.40e-02	28.20	3.4	0.0	0.0
132	52.821	0.019	0.170	1.07e-06	0.0	3.61e-06	0.0	37.18	4.5	0.0	0.0
133	53.441	0.019	0.170	2.05e-03	2.46e-04	0.03	3.06e-03	1.42	0.2	0.0	0.0
134	53.535	0.019	0.170	8.72e-04	1.05e-04	0.0	0.0	16.14	1.9	0.0	0.0
135	54.065	0.018	0.170	0.0	0.0	3.54e-03	4.24e-04	16.74	2.0	0.0	0.0
136	54.247	0.018	0.170	0.0	0.0	0.07	7.99e-03	3.73e-06	0.0	0.0	0.0
137	54.537	0.018	0.170	4.33e-05	5.19e-06	4.50e-05	5.39e-06	0.01	1.73e-03	0.0	0.0
138	54.633	0.018	0.170	0.08	9.49e-03	1.70e-06	0.0	2.03e-05	2.43e-06	0.0	0.0
139	54.975	0.018	0.170	5.20e-03	6.23e-04	0.03	3.12e-03	28.58	3.4	0.0	0.0
140	55.358	0.018	0.170	3.83e-05	4.59e-06	1.32e-04	1.58e-05	2.91e-03	3.49e-04	0.0	0.0
141	56.771	0.018	0.170	7.44	0.9	1.44e-05	1.73e-06	5.61	0.7	0.0	0.0
142	56.847	0.018	0.170	0.07	8.65e-03	1.92e-03	2.30e-04	0.04	5.04e-03	0.0	0.0
143	58.241	0.017	0.170	0.0	0.0	7.22	0.9	5.16	0.6	0.0	0.0
144	58.986	0.017	0.170	0.02	1.95e-03	1.90e-04	2.27e-05	4.31	0.5	0.0	0.0
145	59.089	0.017	0.170	0.09	1.13e-02	2.21e-03	2.65e-04	30.35	3.6	0.0	0.0
146	59.446	0.017	0.170	6.32e-04	7.58e-05	7.70e-04	9.23e-05	0.03	3.51e-03	0.0	0.0
147	60.688	0.016	0.170	1.37e-04	1.64e-05	1.34e-05	1.60e-06	11.20	1.3	0.0	0.0
148	60.699	0.016	0.170	1.61e-06	0.0	3.44e-03	4.13e-04	13.73	1.6	0.0	0.0
149	61.146	0.016	0.170	6.08e-03	7.29e-04	9.67e-05	1.16e-05	5.70e-03	6.84e-04	0.0	0.0
150	61.315	0.016	0.170	0.28	3.37e-02	0.0	0.0	9.10e-04	1.09e-04	0.0	0.0
151	61.696	0.016	0.170	4.44e-04	5.32e-05	2.16e-06	0.0	17.34	2.1	0.0	0.0
152	61.734	0.016	0.170	1.89e-06	0.0	2.36e-04	2.83e-05	10.12	1.2	0.0	0.0
153	63.119	0.016	0.170	9.15e-06	1.10e-06	0.23	2.81e-02	0.02	2.94e-03	0.0	0.0
154	63.806	0.016	0.170	1.24	0.1	0.02	2.85e-03	3.48	0.4	0.0	0.0
155	65.100	0.015	0.170	0.47	5.63e-02	0.05	5.72e-03	1.59	0.2	0.0	0.0
156	67.164	0.015	0.170	6.25e-04	7.49e-05	6.36e-04	7.63e-05	0.05	6.30e-03	0.0	0.0
157	69.045	0.014	0.170	1.33e-04	1.60e-05	5.93e-04	7.11e-05	0.16	1.93e-02	0.0	0.0
158	70.227	0.014	0.170	1.45e-04	1.73e-05	0.02	1.94e-03	1.46e-03	1.74e-04	0.0	0.0
159	70.283	0.014	0.170	4.84e-05	5.80e-06	9.90e-04	1.19e-04	0.03	3.06e-03	0.0	0.0
160	70.439	0.014	0.170	2.43e-03	2.91e-04	2.15e-03	2.58e-04	0.30	3.59e-02	0.0	0.0
161	70.924	0.014	0.170	7.20e-04	8.64e-05	0.02	2.88e-03	0.07	8.08e-03	0.0	0.0
162	73.302	0.014	0.170	1.53e-03	1.84e-04	4.76e-04	5.71e-05	0.31	3.69e-02	0.0	0.0
163	75.105	0.013	0.170	0.18	2.17e-02	1.06e-03	1.27e-04	0.04	4.30e-03	0.0	0.0
164	75.535	0.013	0.170	2.22e-03	2.66e-04	0.09	1.08e-02	1.13e-03	1.35e-04	0.0	0.0
165	76.168	0.013	0.170	0.05	5.61e-03	0.0	0.0	0.21	2.48e-02	0.0	0.0
166	77.266	0.013	0.170	0.01	1.38e-03	4.02e-05	4.82e-06	0.61	7.33e-02	0.0	0.0
167	78.566	0.013	0.170	1.90e-03	2.28e-04	0.16	1.86e-02	0.02	2.20e-03	0.0	0.0
168	78.886	0.013	0.170	4.24e-03	5.08e-04	0.04	5.32e-03	0.06	7.62e-03	0.0	0.0
169	79.895	0.013	0.170	2.85e-04	3.42e-05	7.60e-04	9.11e-05	15.54	1.9	0.0	0.0
170	81.514	0.012	0.170	0.02	2.67e-03	2.03e-03	2.44e-04	0.63	7.58e-02	0.0	0.0
171	82.381	0.012	0.170	0.04	5.32e-03	7.09e-03	8.50e-04	8.60e-03	1.03e-03	0.0	0.0
172	83.160	0.012	0.170	0.01	1.20e-03	0.26	3.07e-02	0.67	8.03e-02	0.0	0.0
173	83.572	0.012	0.170	1.72e-04	2.06e-05	0.03	3.64e-03	4.13	0.5	0.0	0.0
174	85.679	0.012	0.170	6.99e-04	8.38e-05	0.02	2.81e-03	0.87	0.1	0.0	0.0
175	86.550	0.012	0.170	2.64e-03	3.16e-04	6.15e-04	7.37e-05	0.01	1.42e-03	0.0	0.0
176	87.925	0.011	0.170	4.50e-04	5.39e-05	2.43e-04	2.92e-05	0.77	9.21e-02	0.0	0.0
177	89.837	0.011	0.170	1.28e-04	1.54e-05	0.29	3.49e-02	0.80	9.62e-02	0.0	0.0
178	91.817	0.011	0.170	4.00e-06	0.0	0.02	2.54e-03	0.43	5.12e-02	0.0	0.0
179	92.504	0.011	0.170	0.05	6.37e-03	2.27e-05	2.72e-06	4.98e-04	5.97e-05	0.0	0.0
180	94.908	0.011	0.170	2.53e-04	3.03e-05	0.06	7.59e-03	0.32	3.81e-02	0.0	0.0
181	95.969	0.010	0.170	2.44e-03	2.92e-04	0.17	2.02e-02	0.22	2.60e-02	0.0	0.0
182	96.495	0.010	0.170	3.83e-03	4.59e-04	0.08	1.01e-02	0.27	3.26e-02	0.0	0.0
183	98.897	0.010	0.170	6.78e-03	8.13e-04	0.06	6.72e-03	0.86	0.1	0.0	0.0
184	101.746	0.010	0.170	7.19e-03	8.62e-04	4.06e-04	4.87e-05	0.02	2.54e-03	0.0	0.0
185	102.382	0.010	0.170	1.17e-03	1.40e-04	2.74e-03	3.29e-04	3.52	0.4	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
186	106.161	0.009	0.170	2.05e-05	2.46e-06	7.43e-04	8.91e-05	6.84	0.8	0.0	0.0
187	108.325	0.009	0.170	1.08e-03	1.29e-04	0.02	2.40e-03	0.20	2.45e-02	0.0	0.0
188	109.147	0.009	0.170	5.95e-03	7.13e-04	0.01	1.62e-03	0.02	2.86e-03	0.0	0.0
189	110.192	0.009	0.170	3.00e-04	3.59e-05	0.04	4.65e-03	0.02	2.12e-03	0.0	0.0
190	116.664	0.009	0.170	1.43e-05	1.72e-06	0.01	1.51e-03	0.03	4.09e-03	0.0	0.0
191	131.822	0.008	0.170	0.05	6.46e-03	0.14	1.67e-02	0.09	1.07e-02	0.0	0.0
192	133.378	0.007	0.170	0.02	1.90e-03	5.72e-03	6.86e-04	2.43	0.3	0.0	0.0
193	134.034	0.007	0.170	0.08	9.20e-03	6.24e-03	7.48e-04	0.54	6.43e-02	0.0	0.0
194	138.009	0.007	0.170	0.87	0.1	0.04	4.48e-03	2.63e-04	3.15e-05	0.0	0.0
195	142.511	0.007	0.170	1.64e-03	1.97e-04	0.11	1.32e-02	0.32	3.80e-02	0.0	0.0
196	145.363	0.007	0.170	0.07	8.19e-03	8.20e-04	9.83e-05	13.09	1.6	0.0	0.0
197	147.820	0.007	0.170	0.29	3.46e-02	5.21e-04	6.25e-05	2.85	0.3	0.0	0.0
198	148.815	0.007	0.170	8.07e-04	9.67e-05	0.21	2.49e-02	3.65	0.4	0.0	0.0
199	155.182	0.006	0.170	7.42e-03	8.89e-04	7.08e-03	8.49e-04	6.72	0.8	0.0	0.0
200	163.922	0.006	0.170	0.26	3.10e-02	1.96e-04	2.35e-05	1.86	0.2	0.0	0.0
201	169.436	0.006	0.170	0.04	5.39e-03	0.14	1.64e-02	0.03	4.18e-03	0.0	0.0
202	171.814	0.006	0.170	6.50e-05	7.79e-06	1.80e-03	2.16e-04	10.66	1.3	0.0	0.0
203	176.815	0.006	0.170	0.12	1.39e-02	0.04	4.71e-03	0.17	2.05e-02	0.0	0.0
204	186.020	0.005	0.170	0.01	1.69e-03	0.09	1.12e-02	0.08	1.00e-02	0.0	0.0
205	190.897	0.005	0.170	0.02	2.55e-03	0.01	1.49e-03	1.86	0.2	0.0	0.0
206	196.704	0.005	0.170	0.02	2.26e-03	6.37e-03	7.64e-04	1.05	0.1	0.0	0.0
207	215.931	0.005	0.170	2.54e-03	3.05e-04	0.09	1.03e-02	0.02	2.32e-03	0.0	0.0
208	218.856	0.005	0.170	0.02	1.91e-03	1.39e-03	1.67e-04	1.60	0.2	0.0	0.0
209	222.904	0.004	0.170	4.66e-03	5.59e-04	1.08e-03	1.30e-04	2.66	0.3	0.0	0.0
210	258.051	0.004	0.170	1.54e-03	1.85e-04	0.08	9.55e-03	5.33e-03	6.39e-04	0.0	0.0
211	265.171	0.004	0.170	8.27e-04	9.92e-05	1.18e-04	1.41e-05	2.64	0.3	0.0	0.0
212	268.414	0.004	0.170	0.16	1.95e-02	0.02	1.92e-03	0.03	3.87e-03	0.0	0.0
213	287.969	0.003	0.170	6.84e-04	8.20e-05	0.07	8.44e-03	0.01	1.61e-03	0.0	0.0
214	297.834	0.003	0.170	0.05	6.39e-03	4.02e-03	4.82e-04	0.03	3.36e-03	0.0	0.0
215	336.937	0.003	0.170	3.17e-03	3.80e-04	6.60e-05	7.91e-06	0.79	9.42e-02	0.0	0.0
216	358.220	0.003	0.170	8.48e-03	1.02e-03	3.68e-04	4.42e-05	0.07	8.62e-03	0.0	0.0
217	365.264	0.003	0.170	8.44e-05	1.01e-05	2.79e-03	3.34e-04	8.20e-03	9.83e-04	0.0	0.0
218	414.199	0.002	0.170	2.52e-04	3.03e-05	1.27e-04	1.52e-05	0.86	0.1	0.0	0.0
219	532.783	0.002	0.170	7.71e-06	0.0	1.37e-03	1.64e-04	0.07	8.86e-03	0.0	0.0
220	556.697	0.002	0.170	4.42e-03	5.29e-04	1.09e-04	1.31e-05	0.46	5.49e-02	0.0	0.0
221	617.044	0.002	0.170	4.15e-04	4.98e-05	7.49e-05	8.98e-06	0.46	5.53e-02	0.0	0.0
222	806.750	0.001	0.170	1.47e-04	1.77e-05	6.21e-04	7.44e-05	3.27e-05	3.92e-06	0.0	0.0
223	934.000	0.001	0.170	5.91e-04	7.08e-05	1.10e-05	1.32e-06	0.04	4.85e-03	0.0	0.0
224	954.690	0.001	0.170	2.43e-05	2.91e-06	9.66e-06	1.16e-06	0.31	3.73e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.425 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	0.40	0.0	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	0.54	0.0	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	0.54	0.0	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	0.30	0.0	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	0.54	0.0	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	0.38	0.0	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	0.08	0.0	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.843	1.187	0.163	9.92	1.2	2.64e-04	3.17e-05	0.0	0.0	0.0	0.0
2	0.846	1.182	0.163	0.03	3.69e-03	0.0	0.0	5.14e-06	0.0	0.0	0.0
3	1.006	0.994	0.176	1.86e-03	2.23e-04	12.09	1.4	1.13e-05	1.35e-06	0.0	0.0
4	1.011	0.989	0.176	1.08e-04	1.30e-05	0.03	3.25e-03	1.28e-05	1.54e-06	0.0	0.0
5	1.248	0.801	0.202	2.44e-03	2.92e-04	12.29	1.5	1.54e-06	0.0	0.0	0.0
6	1.249	0.800	0.201	7.52e-05	9.02e-06	0.04	4.23e-03	7.08e-06	0.0	0.0	0.0
7	1.325	0.755	0.221	10.93	1.3	4.89e-03	5.86e-04	0.0	0.0	0.0	0.0
8	1.327	0.754	0.221	0.04	4.29e-03	2.98e-06	0.0	5.34e-06	0.0	0.0	0.0
9	1.443	0.693	0.268	5.76e-06	0.0	4.03	0.5	0.0	0.0	0.0	0.0
10	1.510	0.662	0.285	6.74	0.8	2.40e-06	0.0	1.32e-05	1.58e-06	0.0	0.0
11	1.517	0.659	0.287	0.01	1.60e-03	7.62e-05	9.13e-06	1.24e-05	1.49e-06	0.0	0.0
12	2.119	0.472	0.372	0.36	4.34e-02	9.19	1.1	6.64e-05	7.97e-06	0.0	0.0
13	2.354	0.425	0.388	175.86	21.1	356.13	42.7	0.04	4.54e-03	0.0	0.0
14	2.960	0.338	0.494	276.91	33.2	174.79	21.0	0.02	1.81e-03	0.0	0.0
15	3.405	0.294	0.536	79.22	9.5	17.22	2.1	5.22e-04	6.25e-05	0.0	0.0
16	3.539	0.283	0.522	2.77	0.3	0.25	3.01e-02	6.07e-03	7.28e-04	0.0	0.0
17	3.963	0.252	0.501	6.55e-03	7.85e-04	22.82	2.7	5.70e-04	6.84e-05	0.0	0.0
18	3.989	0.251	0.495	5.39e-03	6.46e-04	0.11	1.27e-02	0.02	1.81e-03	0.0	0.0
19	4.200	0.238	0.445	0.07	8.02e-03	1.45	0.2	3.04e-05	3.64e-06	0.0	0.0
20	4.920	0.203	0.361	0.26	3.11e-02	36.80	4.4	0.17	2.07e-02	0.0	0.0
21	5.141	0.195	0.358	19.21	2.3	7.72e-05	9.26e-06	1.91e-05	2.29e-06	0.0	0.0
22	5.575	0.179	0.353	12.19	1.5	1.92	0.2	0.25	2.95e-02	0.0	0.0
23	5.830	0.172	0.343	7.92	0.9	2.43	0.3	0.05	5.87e-03	0.0	0.0
24	5.895	0.170	0.341	4.78	0.6	10.19	1.2	0.02	1.84e-03	0.0	0.0
25	6.497	0.154	0.318	2.83	0.3	0.48	5.76e-02	0.01	1.27e-03	0.0	0.0
26	6.797	0.147	0.307	8.71	1.0	0.05	5.58e-03	0.01	1.22e-03	0.0	0.0
27	6.949	0.144	0.302	24.70	3.0	2.58	0.3	0.05	5.42e-03	0.0	0.0
28	7.155	0.140	0.296	2.62	0.3	7.42	0.9	1.53e-03	1.83e-04	0.0	0.0
29	7.399	0.135	0.289	34.24	4.1	0.31	3.73e-02	0.09	1.06e-02	0.0	0.0
30	7.787	0.128	0.280	0.45	5.35e-02	17.57	2.1	1.60e-03	1.92e-04	0.0	0.0
31	8.013	0.125	0.275	7.04	0.8	12.90	1.5	4.31e-04	5.17e-05	0.0	0.0
32	8.385	0.119	0.269	16.28	2.0	0.44	5.30e-02	0.06	6.75e-03	0.0	0.0
33	8.636	0.116	0.270	2.22	0.3	7.52	0.9	0.07	8.87e-03	0.0	0.0
34	9.021	0.111	0.273	0.89	0.1	0.85	0.1	0.19	2.28e-02	0.0	0.0
35	9.062	0.110	0.273	1.68	0.2	4.39	0.5	0.60	7.23e-02	0.0	0.0
36	9.392	0.106	0.275	0.21	2.58e-02	17.31	2.1	1.19	0.1	0.0	0.0
37	9.781	0.102	0.277	0.26	3.11e-02	0.01	1.65e-03	0.03	3.72e-03	0.0	0.0
38	10.391	0.096	0.270	10.30	1.2	0.01	1.57e-03	2.35	0.3	0.0	0.0
39	10.495	0.095	0.268	0.07	8.46e-03	0.29	3.42e-02	0.02	2.48e-03	0.0	0.0
40	10.675	0.094	0.265	5.45	0.7	0.06	7.27e-03	3.46	0.4	0.0	0.0
41	10.743	0.093	0.263	1.41	0.2	0.95	0.1	0.03	4.08e-03	0.0	0.0
42	11.433	0.087	0.251	2.26e-03	2.71e-04	5.66	0.7	4.89e-04	5.86e-05	0.0	0.0
43	12.081	0.083	0.241	7.00e-03	8.39e-04	4.49	0.5	2.38e-03	2.86e-04	0.0	0.0
44	12.465	0.080	0.235	0.25	3.00e-02	0.27	3.21e-02	34.76	4.2	0.0	0.0
45	12.868	0.078	0.230	14.26	1.7	13.70	1.6	0.83	9.91e-02	0.0	0.0
46	13.196	0.076	0.226	6.46	0.8	0.01	1.21e-03	0.01	1.45e-03	0.0	0.0
47	13.476	0.074	0.223	2.69	0.3	0.94	0.1	0.10	1.19e-02	0.0	0.0
48	13.824	0.072	0.219	0.68	8.14e-02	0.51	6.14e-02	0.41	4.90e-02	0.0	0.0
49	14.022	0.071	0.217	1.52	0.2	2.38	0.3	0.13	1.51e-02	0.0	0.0
50	14.527	0.069	0.212	7.69	0.9	0.28	3.34e-02	0.06	7.56e-03	0.0	0.0
51	14.747	0.068	0.210	0.35	4.22e-02	3.02	0.4	0.14	1.68e-02	0.0	0.0
52	15.061	0.066	0.207	0.41	4.87e-02	0.43	5.17e-02	3.56e-04	4.27e-05	0.0	0.0
53	15.201	0.066	0.206	0.14	1.72e-02	1.34e-03	1.61e-04	0.03	3.94e-03	0.0	0.0
54	15.286	0.065	0.205	3.21	0.4	0.51	6.16e-02	9.83e-05	1.18e-05	0.0	0.0
55	15.422	0.065	0.204	0.08	9.83e-03	1.33	0.2	0.36	4.32e-02	0.0	0.0
56	15.622	0.064	0.202	1.42	0.2	1.12	0.1	0.72	8.63e-02	0.0	0.0
57	15.710	0.064	0.201	0.22	2.69e-02	5.49	0.7	2.88	0.3	0.0	0.0
58	15.735	0.064	0.201	1.43	0.2	5.04	0.6	0.57	6.85e-02	0.0	0.0
59	15.903	0.063	0.200	1.15	0.1	4.54	0.5	2.46	0.3	0.0	0.0
60	16.151	0.062	0.198	3.21	0.4	3.63	0.4	0.01	1.30e-03	0.0	0.0
61	16.330	0.061	0.196	2.48	0.3	3.27	0.4	0.50	5.95e-02	0.0	0.0
62	16.375	0.061	0.196	0.83	9.90e-02	0.42	5.05e-02	9.36	1.1	0.0	0.0
63	16.487	0.061	0.195	5.55e-04	6.66e-05	1.49	0.2	0.09	1.13e-02	0.0	0.0
64	16.623	0.060	0.194	3.65e-04	4.38e-05	0.04	4.60e-03	0.53	6.36e-02	0.0	0.0
65	16.804	0.060	0.193	0.54	6.45e-02	0.16	1.88e-02	0.07	8.34e-03	0.0	0.0
66	17.213	0.058	0.192	2.89	0.3	0.16	1.87e-02	1.27	0.2	0.0	0.0
67	17.332	0.058	0.191	0.06	6.73e-03	2.73	0.3	13.23	1.6	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
68	18.114	0.055	0.189	0.68	8.13e-02	3.00	0.4	0.02	2.66e-03	0.0	0.0
69	18.338	0.055	0.188	0.42	5.09e-02	0.01	1.31e-03	0.81	9.68e-02	0.0	0.0
70	18.464	0.054	0.188	1.63	0.2	0.20	2.37e-02	0.75	9.04e-02	0.0	0.0
71	18.594	0.054	0.187	0.15	1.84e-02	0.01	1.49e-03	0.12	1.45e-02	0.0	0.0
72	19.022	0.053	0.186	6.99	0.8	0.02	2.47e-03	8.04	1.0	0.0	0.0
73	19.332	0.052	0.185	0.14	1.67e-02	4.99	0.6	8.37	1.0	0.0	0.0
74	19.439	0.051	0.185	1.81	0.2	0.22	2.59e-02	0.10	1.18e-02	0.0	0.0
75	19.682	0.051	0.184	0.01	1.78e-03	0.12	1.44e-02	0.56	6.68e-02	0.0	0.0
76	20.033	0.050	0.183	0.23	2.70e-02	0.56	6.72e-02	8.02e-06	0.0	0.0	0.0
77	20.702	0.048	0.181	0.46	5.57e-02	0.85	0.1	1.72	0.2	0.0	0.0
78	21.042	0.048	0.181	0.32	3.87e-02	0.40	4.75e-02	0.61	7.33e-02	0.0	0.0
79	21.719	0.046	0.179	1.53	0.2	0.13	1.59e-02	13.74	1.6	0.0	0.0
80	22.519	0.044	0.177	0.24	2.92e-02	0.24	2.94e-02	0.12	1.49e-02	0.0	0.0
81	23.076	0.043	0.176	0.40	4.79e-02	2.41e-03	2.89e-04	0.28	3.38e-02	0.0	0.0
82	23.199	0.043	0.176	9.47e-03	1.13e-03	0.32	3.83e-02	8.48	1.0	0.0	0.0
83	23.475	0.043	0.176	0.05	5.81e-03	2.87	0.3	15.84	1.9	0.0	0.0
84	24.311	0.041	0.174	0.08	9.95e-03	0.18	2.15e-02	3.15	0.4	0.0	0.0
85	25.046	0.040	0.173	0.89	0.1	0.07	7.83e-03	0.03	4.09e-03	0.0	0.0
86	25.358	0.039	0.173	0.36	4.35e-02	2.89e-03	3.46e-04	0.25	2.98e-02	0.0	0.0
87	25.458	0.039	0.173	0.79	9.46e-02	9.15e-04	1.10e-04	2.51e-03	3.01e-04	0.0	0.0
88	25.771	0.039	0.173	0.20	2.43e-02	6.10e-04	7.31e-05	7.53e-03	9.02e-04	0.0	0.0
89	25.823	0.039	0.173	5.68e-05	6.81e-06	0.18	2.16e-02	0.05	5.61e-03	0.0	0.0
90	26.014	0.038	0.173	0.09	1.04e-02	0.02	1.86e-03	0.69	8.33e-02	0.0	0.0
91	26.355	0.038	0.173	3.25	0.4	0.02	2.42e-03	0.12	1.42e-02	0.0	0.0
92	26.621	0.038	0.172	0.11	1.37e-02	0.01	1.39e-03	3.95	0.5	0.0	0.0
93	26.992	0.037	0.172	0.09	1.10e-02	0.06	6.68e-03	1.18	0.1	0.0	0.0
94	28.120	0.036	0.172	9.44e-04	1.13e-04	8.62e-06	1.03e-06	11.73	1.4	0.0	0.0
95	28.259	0.035	0.172	9.15e-03	1.10e-03	2.21e-03	2.65e-04	50.44	6.0	0.0	0.0
96	28.539	0.035	0.172	1.94	0.2	5.23e-03	6.27e-04	0.12	1.42e-02	0.0	0.0
97	29.655	0.034	0.172	0.21	2.57e-02	0.01	1.35e-03	2.20e-04	2.63e-05	0.0	0.0
98	29.867	0.033	0.172	0.86	0.1	0.03	3.73e-03	5.11e-03	6.13e-04	0.0	0.0
99	30.453	0.033	0.172	4.14	0.5	0.51	6.07e-02	0.02	1.87e-03	0.0	0.0
100	31.780	0.031	0.172	0.03	3.80e-03	6.91e-03	8.29e-04	3.97	0.5	0.0	0.0
101	31.861	0.031	0.172	1.60	0.2	0.08	9.19e-03	0.65	7.83e-02	0.0	0.0
102	32.851	0.030	0.171	1.05e-03	1.26e-04	0.95	0.1	0.02	1.94e-03	0.0	0.0
103	34.557	0.029	0.171	5.86e-03	7.02e-04	0.05	5.82e-03	11.01	1.3	0.0	0.0
104	35.201	0.028	0.171	4.72	0.6	0.05	5.54e-03	1.53	0.2	0.0	0.0
105	35.412	0.028	0.171	2.17e-03	2.61e-04	0.52	6.29e-02	0.03	3.48e-03	0.0	0.0
106	36.264	0.028	0.171	3.94e-04	4.72e-05	5.24e-04	6.28e-05	6.56	0.8	0.0	0.0
107	36.494	0.027	0.171	0.01	1.50e-03	0.11	1.34e-02	0.07	7.83e-03	0.0	0.0
108	36.588	0.027	0.171	0.18	2.18e-02	1.77e-03	2.13e-04	0.05	5.87e-03	0.0	0.0
109	36.970	0.027	0.171	9.48e-04	1.14e-04	2.60e-03	3.12e-04	25.60	3.1	0.0	0.0
110	37.418	0.027	0.171	0.07	8.41e-03	1.07e-05	1.29e-06	0.02	2.70e-03	0.0	0.0
111	37.669	0.027	0.171	0.02	1.81e-03	2.49e-04	2.98e-05	1.85e-03	2.22e-04	0.0	0.0
112	37.940	0.026	0.171	7.52e-05	9.01e-06	0.01	1.44e-03	0.01	1.28e-03	0.0	0.0
113	40.234	0.025	0.171	1.05e-03	1.26e-04	0.05	5.94e-03	0.01	1.48e-03	0.0	0.0
114	41.229	0.024	0.171	3.34e-04	4.00e-05	1.68e-03	2.01e-04	58.12	7.0	0.0	0.0
115	41.401	0.024	0.171	8.82e-03	1.06e-03	5.95e-05	7.14e-06	0.01	1.35e-03	0.0	0.0
116	41.729	0.024	0.170	0.03	3.52e-03	0.01	1.25e-03	1.25	0.1	0.0	0.0
117	41.771	0.024	0.170	0.01	1.76e-03	0.04	4.20e-03	16.83	2.0	0.0	0.0
118	42.001	0.024	0.170	5.49e-03	6.58e-04	2.24e-03	2.69e-04	6.76e-04	8.11e-05	0.0	0.0
119	42.585	0.023	0.170	2.53e-05	3.03e-06	3.01e-03	3.61e-04	0.02	2.68e-03	0.0	0.0
120	43.580	0.023	0.170	0.27	3.26e-02	2.12	0.3	4.19e-04	5.02e-05	0.0	0.0
121	45.595	0.022	0.170	1.29e-03	1.55e-04	4.79e-04	5.75e-05	0.03	3.76e-03	0.0	0.0
122	46.379	0.022	0.170	2.17e-03	2.60e-04	0.02	2.06e-03	44.40	5.3	0.0	0.0
123	46.542	0.021	0.170	5.01e-03	6.01e-04	0.02	2.06e-03	5.89	0.7	0.0	0.0
124	46.723	0.021	0.170	0.17	2.05e-02	1.69	0.2	0.03	3.62e-03	0.0	0.0
125	46.935	0.021	0.170	5.46e-03	6.55e-04	0.05	5.66e-03	9.42	1.1	0.0	0.0
126	47.369	0.021	0.170	5.10e-04	6.11e-05	0.02	2.61e-03	13.83	1.7	0.0	0.0
127	49.252	0.020	0.170	2.18e-03	2.62e-04	1.85e-04	2.22e-05	98.07	11.8	0.0	0.0
128	49.674	0.020	0.170	0.03	3.99e-03	0.01	1.74e-03	1.00	0.1	0.0	0.0
129	49.856	0.020	0.170	7.64	0.9	4.17e-05	5.00e-06	0.29	3.46e-02	0.0	0.0
130	50.335	0.020	0.170	1.26e-03	1.51e-04	0.01	1.71e-03	14.01	1.7	0.0	0.0
131	51.100	0.020	0.170	9.73e-03	1.17e-03	0.11	1.29e-02	17.75	2.1	0.0	0.0
132	52.820	0.019	0.170	1.10e-06	0.0	5.47e-06	0.0	37.18	4.5	0.0	0.0
133	53.186	0.019	0.170	3.69e-06	0.0	5.90	0.7	0.75	9.01e-02	0.0	0.0
134	53.574	0.019	0.170	0.0	0.0	1.24e-06	0.0	2.89e-03	3.46e-04	0.0	0.0
135	54.116	0.018	0.170	0.02	2.92e-03	0.0	0.0	16.44	2.0	0.0	0.0
136	54.183	0.018	0.170	0.0	0.0	0.06	7.54e-03	5.73e-04	6.87e-05	0.0	0.0
137	54.346	0.018	0.170	0.08	9.41e-03	2.35e-05	2.82e-06	2.19e-04	2.63e-05	0.0	0.0
138	54.668	0.018	0.170	2.12e-06	0.0	0.11	1.36e-02	16.24	1.9	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
139	54.975	0.018	0.170	3.79e-03	4.54e-04	0.02	2.67e-03	28.73	3.4	0.0	0.0
140	55.354	0.018	0.170	7.11e-05	8.53e-06	1.26e-04	1.51e-05	3.92e-03	4.70e-04	0.0	0.0
141	55.722	0.018	0.170	0.09	1.07e-02	2.69e-03	3.23e-04	0.03	3.46e-03	0.0	0.0
142	58.235	0.017	0.170	7.38	0.9	1.44e-05	1.73e-06	5.04	0.6	0.0	0.0
143	58.936	0.017	0.170	1.79e-03	2.14e-04	0.0	0.0	0.99	0.1	0.0	0.0
144	58.976	0.017	0.170	0.02	2.91e-03	8.82e-04	1.06e-04	6.73	0.8	0.0	0.0
145	59.068	0.017	0.170	0.08	9.77e-03	3.94e-03	4.72e-04	27.13	3.3	0.0	0.0
146	59.909	0.017	0.170	0.0	0.0	7.34	0.9	5.48	0.7	0.0	0.0
147	60.691	0.016	0.170	1.48e-03	1.77e-04	4.43e-05	5.32e-06	11.99	1.4	0.0	0.0
148	60.707	0.016	0.170	1.70e-05	2.03e-06	0.05	6.54e-03	12.21	1.5	0.0	0.0
149	61.067	0.016	0.170	2.50e-03	3.00e-04	4.47e-04	5.36e-05	3.40e-06	0.0	0.0	0.0
150	61.693	0.016	0.170	1.62e-04	1.94e-05	0.0	0.0	14.73	1.8	0.0	0.0
151	61.731	0.016	0.170	9.50e-06	1.14e-06	3.95e-04	4.73e-05	12.71	1.5	0.0	0.0
152	63.119	0.016	0.170	0.23	2.79e-02	2.26e-06	0.0	0.03	3.42e-03	0.0	0.0
153	63.628	0.016	0.170	1.00	0.1	0.03	3.39e-03	3.85	0.5	0.0	0.0
154	64.892	0.015	0.170	0.72	8.65e-02	0.04	5.38e-03	1.26	0.2	0.0	0.0
155	65.047	0.015	0.170	2.52e-06	0.0	0.19	2.30e-02	0.02	2.74e-03	0.0	0.0
156	65.772	0.015	0.170	4.32e-04	5.18e-05	0.04	4.81e-03	0.07	7.91e-03	0.0	0.0
157	67.019	0.015	0.170	2.46e-04	2.95e-05	3.70e-04	4.44e-05	0.02	2.22e-03	0.0	0.0
158	69.125	0.014	0.170	3.52e-04	4.22e-05	6.63e-05	7.95e-06	0.13	1.53e-02	0.0	0.0
159	70.054	0.014	0.170	8.56e-03	1.03e-03	5.85e-04	7.02e-05	0.10	1.15e-02	0.0	0.0
160	70.163	0.014	0.170	0.04	5.29e-03	0.02	2.62e-03	0.03	3.83e-03	0.0	0.0
161	70.301	0.014	0.170	4.02e-03	4.81e-04	0.08	9.56e-03	0.01	1.33e-03	0.0	0.0
162	72.808	0.014	0.170	2.01e-03	2.41e-04	6.06e-05	7.27e-06	0.22	2.58e-02	0.0	0.0
163	73.390	0.014	0.170	2.48e-04	2.98e-05	0.02	2.89e-03	0.13	1.62e-02	0.0	0.0
164	73.758	0.014	0.170	7.46e-03	8.94e-04	4.73e-03	5.67e-04	0.41	4.93e-02	0.0	0.0
165	75.393	0.013	0.170	0.08	1.01e-02	6.32e-04	7.57e-05	0.07	7.94e-03	0.0	0.0
166	76.369	0.013	0.170	3.58e-03	4.30e-04	4.77e-03	5.72e-04	0.34	4.03e-02	0.0	0.0
167	78.528	0.013	0.170	0.10	1.20e-02	2.12e-03	2.54e-04	0.02	2.08e-03	0.0	0.0
168	78.661	0.013	0.170	0.09	1.12e-02	3.74e-04	4.48e-05	0.37	4.45e-02	0.0	0.0
169	79.710	0.013	0.170	3.56e-03	4.27e-04	6.97e-03	8.36e-04	0.02	2.30e-03	0.0	0.0
170	79.920	0.013	0.170	1.18e-03	1.41e-04	0.0	0.0	15.94	1.9	0.0	0.0
171	81.491	0.012	0.170	7.15e-03	8.57e-04	2.12e-03	2.54e-04	0.02	2.78e-03	0.0	0.0
172	82.935	0.012	0.170	2.79e-04	3.35e-05	0.46	5.51e-02	1.29	0.2	0.0	0.0
173	84.079	0.012	0.170	6.02e-04	7.22e-05	0.02	1.88e-03	3.25	0.4	0.0	0.0
174	84.946	0.012	0.170	8.18e-04	9.80e-05	0.02	2.59e-03	0.13	1.57e-02	0.0	0.0
175	86.921	0.012	0.170	2.39e-03	2.87e-04	4.79e-04	5.74e-05	0.04	4.28e-03	0.0	0.0
176	88.758	0.011	0.170	1.86e-04	2.22e-05	0.02	2.26e-03	2.44	0.3	0.0	0.0
177	89.551	0.011	0.170	2.30e-05	2.75e-06	0.29	3.46e-02	0.32	3.88e-02	0.0	0.0
178	92.023	0.011	0.170	0.02	2.88e-03	6.13e-03	7.35e-04	0.31	3.77e-02	0.0	0.0
179	92.461	0.011	0.170	0.03	3.48e-03	3.83e-03	4.59e-04	0.24	2.91e-02	0.0	0.0
180	94.512	0.011	0.170	3.32e-06	0.0	0.15	1.75e-02	2.20e-03	2.63e-04	0.0	0.0
181	96.072	0.010	0.170	2.15e-04	2.58e-05	0.10	1.24e-02	0.39	4.66e-02	0.0	0.0
182	98.135	0.010	0.170	9.77e-03	1.17e-03	0.03	4.03e-03	0.28	3.32e-02	0.0	0.0
183	99.232	0.010	0.170	1.04e-04	1.25e-05	0.01	1.28e-03	1.34	0.2	0.0	0.0
184	100.444	0.010	0.170	0.01	1.47e-03	3.34e-03	4.00e-04	0.27	3.21e-02	0.0	0.0
185	103.277	0.010	0.170	7.88e-04	9.44e-05	9.57e-03	1.15e-03	1.83	0.2	0.0	0.0
186	104.259	0.010	0.170	1.72e-06	0.0	0.07	7.96e-03	0.33	3.93e-02	0.0	0.0
187	106.775	0.009	0.170	4.47e-05	5.36e-06	1.12e-03	1.34e-04	6.70	0.8	0.0	0.0
188	112.290	0.009	0.170	7.49e-06	0.0	8.07e-03	9.68e-04	0.02	2.45e-03	0.0	0.0
189	113.836	0.009	0.170	4.93e-05	5.92e-06	4.22e-04	5.06e-05	0.75	8.95e-02	0.0	0.0
190	114.534	0.009	0.170	8.53e-03	1.02e-03	1.07e-05	1.28e-06	6.97e-04	8.35e-05	0.0	0.0
191	122.025	0.008	0.170	0.0	0.0	0.02	1.99e-03	3.94e-03	4.72e-04	0.0	0.0
192	131.808	0.008	0.170	0.41	4.90e-02	0.06	7.17e-03	0.02	2.34e-03	0.0	0.0
193	134.593	0.007	0.170	3.99e-03	4.78e-04	6.31e-06	0.0	3.28	0.4	0.0	0.0
194	138.375	0.007	0.170	0.44	5.25e-02	0.05	5.45e-03	0.01	1.54e-03	0.0	0.0
195	140.980	0.007	0.170	0.15	1.79e-02	0.07	8.95e-03	1.01e-03	1.21e-04	0.0	0.0
196	145.642	0.007	0.170	3.90e-03	4.67e-04	1.83e-03	2.19e-04	15.84	1.9	0.0	0.0
197	148.896	0.007	0.170	0.28	3.36e-02	0.05	6.58e-03	0.84	0.1	0.0	0.0
198	150.812	0.007	0.170	9.33e-03	1.12e-03	0.24	2.83e-02	3.27	0.4	0.0	0.0
199	155.425	0.006	0.170	1.70e-03	2.04e-04	0.03	3.77e-03	7.62	0.9	0.0	0.0
200	161.537	0.006	0.170	0.19	2.27e-02	0.04	4.77e-03	0.02	2.10e-03	0.0	0.0
201	168.825	0.006	0.170	0.20	2.37e-02	0.05	5.61e-03	1.74	0.2	0.0	0.0
202	173.662	0.006	0.170	6.54e-04	7.85e-05	0.02	2.37e-03	8.98	1.1	0.0	0.0
203	178.190	0.006	0.170	0.03	3.37e-03	0.07	8.95e-03	1.36	0.2	0.0	0.0
204	186.657	0.005	0.170	2.25e-03	2.70e-04	0.09	1.09e-02	0.07	8.11e-03	0.0	0.0
205	189.333	0.005	0.170	0.09	1.08e-02	5.00e-04	5.99e-05	0.40	4.74e-02	0.0	0.0
206	193.985	0.005	0.170	0.03	3.10e-03	7.48e-05	8.97e-06	1.58	0.2	0.0	0.0
207	212.967	0.005	0.170	0.01	1.79e-03	0.07	8.15e-03	0.10	1.17e-02	0.0	0.0
208	218.658	0.005	0.170	5.62e-03	6.73e-04	0.03	3.95e-03	1.23	0.1	0.0	0.0
209	221.859	0.005	0.170	5.18e-03	6.21e-04	3.59e-03	4.30e-04	3.21	0.4	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
210	258.317	0.004	0.170	9.49e-04	1.14e-04	0.03	3.66e-03	3.03e-04	3.63e-05	0.0	0.0
211	265.516	0.004	0.170	5.36e-03	6.43e-04	1.77e-03	2.13e-04	2.57	0.3	0.0	0.0
212	274.266	0.004	0.170	0.13	1.54e-02	0.03	3.90e-03	0.09	1.06e-02	0.0	0.0
213	296.015	0.003	0.170	0.01	1.46e-03	0.10	1.15e-02	1.95e-04	2.34e-05	0.0	0.0
214	302.843	0.003	0.170	0.06	7.77e-03	1.95e-03	2.34e-04	3.13e-03	3.76e-04	0.0	0.0
215	339.502	0.003	0.170	1.30e-04	1.56e-05	0.0	0.0	0.85	0.1	0.0	0.0
216	348.154	0.003	0.170	6.23e-03	7.47e-04	1.54e-03	1.85e-04	6.91e-03	8.29e-04	0.0	0.0
217	367.049	0.003	0.170	3.61e-03	4.32e-04	2.83e-03	3.39e-04	0.04	4.23e-03	0.0	0.0
218	416.128	0.002	0.170	6.77e-05	8.11e-06	5.49e-05	6.58e-06	0.85	0.1	0.0	0.0
219	532.094	0.002	0.170	8.77e-05	1.05e-05	1.18e-03	1.42e-04	0.13	1.54e-02	0.0	0.0
220	559.446	0.002	0.170	4.54e-03	5.44e-04	2.81e-04	3.37e-05	0.31	3.75e-02	0.0	0.0
221	608.365	0.002	0.170	2.23e-04	2.67e-05	7.49e-05	8.98e-06	0.54	6.47e-02	0.0	0.0
222	810.356	0.001	0.170	1.25e-04	1.49e-05	6.16e-04	7.39e-05	1.25e-03	1.50e-04	0.0	0.0
223	919.698	0.001	0.170	5.83e-04	6.99e-05	1.25e-05	1.50e-06	0.09	1.06e-02	0.0	0.0
224	960.823	0.001	0.170	7.57e-05	9.08e-06	1.10e-05	1.32e-06	0.27	3.19e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.423 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	-0.40	0.0	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	-0.54	0.0	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	-0.54	0.0	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	-0.30	0.0	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	-0.54	0.0	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	-0.38	0.0	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	-0.08	0.0	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.843	1.187	0.163	9.92	1.2	7.57e-04	9.08e-05	0.0	0.0	0.0	0.0
2	0.846	1.182	0.163	0.03	3.69e-03	0.0	0.0	5.13e-06	0.0	0.0	0.0
3	1.049	0.953	0.180	2.03e-03	2.44e-04	11.07	1.3	1.21e-05	1.45e-06	0.0	0.0
4	1.054	0.949	0.180	1.22e-04	1.46e-05	0.03	3.07e-03	1.40e-05	1.67e-06	0.0	0.0
5	1.325	0.755	0.221	10.93	1.3	7.76e-03	9.31e-04	0.0	0.0	0.0	0.0
6	1.327	0.754	0.221	0.04	4.27e-03	6.86e-06	0.0	5.36e-06	0.0	0.0	0.0
7	1.419	0.705	0.258	4.42e-03	5.29e-04	10.12	1.2	1.46e-06	0.0	0.0	0.0
8	1.421	0.704	0.259	1.14e-04	1.37e-05	0.03	3.32e-03	9.32e-06	1.12e-06	0.0	0.0
9	1.510	0.662	0.285	6.74	0.8	1.34e-05	1.61e-06	1.30e-05	1.56e-06	0.0	0.0
10	1.517	0.659	0.287	0.01	1.60e-03	1.83e-04	2.20e-05	1.23e-05	1.48e-06	0.0	0.0
11	1.592	0.628	0.324	1.45e-06	0.0	3.29	0.4	0.0	0.0	0.0	0.0
12	2.334	0.428	0.385	29.14	3.5	92.66	11.1	6.17e-03	7.40e-04	0.0	0.0
13	2.363	0.423	0.389	139.46	16.7	273.97	32.8	0.03	3.62e-03	0.0	0.0
14	2.940	0.340	0.486	307.13	36.8	157.95	18.9	0.02	2.14e-03	0.0	0.0
15	3.517	0.284	0.525	34.20	4.1	19.01	2.3	2.60e-06	0.0	0.0	0.0
16	3.648	0.274	0.523	23.60	2.8	1.62	0.2	2.35e-03	2.82e-04	0.0	0.0
17	3.977	0.251	0.498	0.07	8.34e-03	37.95	4.6	0.12	1.45e-02	0.0	0.0
18	4.035	0.248	0.484	0.67	8.03e-02	19.63	2.4	6.54e-04	7.85e-05	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
19	4.229	0.236	0.439	0.29	3.54e-02	2.84e-04	3.41e-05	2.12e-04	2.54e-05	0.0	0.0
20	4.629	0.216	0.367	2.12e-03	2.54e-04	15.37	1.8	1.53e-05	1.83e-06	0.0	0.0
21	5.141	0.195	0.358	19.19	2.3	4.56e-05	5.46e-06	1.59e-05	1.90e-06	0.0	0.0
22	5.591	0.179	0.353	19.13	2.3	6.31e-06	0.0	0.31	3.72e-02	0.0	0.0
23	5.858	0.171	0.342	0.84	0.1	0.28	3.41e-02	5.56e-03	6.66e-04	0.0	0.0
24	6.010	0.166	0.336	5.89	0.7	8.26	1.0	0.01	1.59e-03	0.0	0.0
25	6.395	0.156	0.322	2.85	0.3	1.44	0.2	0.02	1.81e-03	0.0	0.0
26	6.816	0.147	0.307	6.87	0.8	5.57e-04	6.68e-05	7.04e-03	8.44e-04	0.0	0.0
27	7.023	0.142	0.300	33.46	4.0	0.40	4.78e-02	0.03	4.14e-03	0.0	0.0
28	7.183	0.139	0.295	0.10	1.25e-02	1.69	0.2	0.01	1.76e-03	0.0	0.0
29	7.374	0.136	0.290	33.11	4.0	0.88	0.1	0.15	1.84e-02	0.0	0.0
30	7.654	0.131	0.283	9.83e-04	1.18e-04	0.69	8.32e-02	0.73	8.81e-02	0.0	0.0
31	7.889	0.127	0.278	3.32	0.4	14.14	1.7	0.10	1.22e-02	0.0	0.0
32	8.150	0.123	0.272	0.12	1.45e-02	17.74	2.1	0.04	4.87e-03	0.0	0.0
33	8.472	0.118	0.269	15.22	1.8	21.73	2.6	7.03e-03	8.43e-04	0.0	0.0
34	8.670	0.115	0.271	3.15	0.4	5.44	0.7	0.03	3.38e-03	0.0	0.0
35	9.008	0.111	0.273	0.76	9.05e-02	1.78	0.2	0.04	5.09e-03	0.0	0.0
36	9.350	0.107	0.275	2.38	0.3	8.66	1.0	0.04	4.56e-03	0.0	0.0
37	9.796	0.102	0.277	0.12	1.44e-02	0.79	9.45e-02	4.99e-04	5.98e-05	0.0	0.0
38	10.422	0.096	0.270	10.62	1.3	0.05	6.02e-03	2.53	0.3	0.0	0.0
39	10.541	0.095	0.267	1.71	0.2	0.42	5.05e-02	0.50	6.02e-02	0.0	0.0
40	10.699	0.093	0.264	3.03	0.4	0.25	3.03e-02	2.73	0.3	0.0	0.0
41	10.781	0.093	0.263	2.52	0.3	1.26	0.2	0.10	1.24e-02	0.0	0.0
42	11.771	0.085	0.246	1.08e-03	1.29e-04	5.60	0.7	5.85e-04	7.01e-05	0.0	0.0
43	12.184	0.082	0.239	5.76e-03	6.90e-04	3.51	0.4	0.02	2.24e-03	0.0	0.0
44	12.418	0.081	0.236	5.71	0.7	13.47	1.6	10.27	1.2	0.0	0.0
45	12.497	0.080	0.235	2.73	0.3	5.39	0.6	25.36	3.0	0.0	0.0
46	13.194	0.076	0.226	9.27	1.1	0.18	2.15e-02	0.02	2.30e-03	0.0	0.0
47	13.433	0.074	0.223	4.03	0.5	0.51	6.11e-02	0.08	9.41e-03	0.0	0.0
48	13.598	0.074	0.222	4.79	0.6	0.62	7.38e-02	0.61	7.30e-02	0.0	0.0
49	13.800	0.072	0.219	0.19	2.32e-02	2.33e-04	2.79e-05	2.57	0.3	0.0	0.0
50	13.893	0.072	0.218	0.07	8.35e-03	0.80	9.59e-02	0.02	2.82e-03	0.0	0.0
51	14.240	0.070	0.215	5.27	0.6	0.09	1.06e-02	0.35	4.18e-02	0.0	0.0
52	14.359	0.070	0.214	1.51	0.2	0.91	0.1	3.46	0.4	0.0	0.0
53	14.583	0.069	0.211	0.21	2.54e-02	0.20	2.39e-02	0.05	5.44e-03	0.0	0.0
54	14.843	0.067	0.209	0.01	1.22e-03	0.31	3.69e-02	9.56e-03	1.15e-03	0.0	0.0
55	15.258	0.066	0.205	3.11	0.4	0.14	1.67e-02	0.03	3.44e-03	0.0	0.0
56	15.294	0.065	0.205	2.31e-03	2.77e-04	3.85e-03	4.62e-04	0.01	1.32e-03	0.0	0.0
57	15.411	0.065	0.204	0.03	3.27e-03	0.91	0.1	4.99e-03	5.99e-04	0.0	0.0
58	15.647	0.064	0.202	0.81	9.73e-02	3.26	0.4	0.03	3.35e-03	0.0	0.0
59	15.770	0.063	0.201	1.48	0.2	1.55	0.2	2.08e-03	2.50e-04	0.0	0.0
60	16.010	0.062	0.199	1.02	0.1	0.49	5.86e-02	4.25e-03	5.10e-04	0.0	0.0
61	16.032	0.062	0.199	9.83e-06	1.18e-06	1.32	0.2	8.71	1.0	0.0	0.0
62	16.348	0.061	0.196	0.78	9.37e-02	1.79	0.2	7.12	0.9	0.0	0.0
63	16.411	0.061	0.196	9.28e-03	1.11e-03	5.45	0.7	2.28	0.3	0.0	0.0
64	16.452	0.061	0.195	2.88	0.3	6.49	0.8	0.10	1.16e-02	0.0	0.0
65	16.679	0.060	0.194	5.70	0.7	0.92	0.1	0.34	4.06e-02	0.0	0.0
66	16.831	0.059	0.193	1.07	0.1	3.41	0.4	2.24e-05	2.68e-06	0.0	0.0
67	17.462	0.057	0.191	1.59	0.2	4.92	0.6	0.09	1.09e-02	0.0	0.0
68	17.651	0.057	0.190	0.23	2.79e-02	0.23	2.70e-02	0.09	1.12e-02	0.0	0.0
69	18.251	0.055	0.188	3.16e-05	3.78e-06	0.89	0.1	0.08	9.17e-03	0.0	0.0
70	18.322	0.055	0.188	0.58	6.93e-02	0.03	4.07e-03	0.05	6.02e-03	0.0	0.0
71	18.397	0.054	0.188	0.04	4.65e-03	5.53	0.7	3.32	0.4	0.0	0.0
72	18.514	0.054	0.187	2.45	0.3	1.86	0.2	0.48	5.78e-02	0.0	0.0
73	18.561	0.054	0.187	0.47	5.63e-02	0.48	5.75e-02	0.04	5.05e-03	0.0	0.0
74	19.007	0.053	0.186	7.14	0.9	0.63	7.59e-02	8.73	1.0	0.0	0.0
75	19.084	0.052	0.186	0.06	6.98e-03	1.94	0.2	0.04	4.46e-03	0.0	0.0
76	19.724	0.051	0.184	0.92	0.1	0.54	6.52e-02	0.03	3.50e-03	0.0	0.0
77	20.377	0.049	0.182	5.01e-03	6.00e-04	0.63	7.59e-02	14.77	1.8	0.0	0.0
78	20.737	0.048	0.181	0.05	6.41e-03	0.09	1.07e-02	5.77	0.7	0.0	0.0
79	21.820	0.046	0.179	1.60	0.2	0.08	9.85e-03	2.31	0.3	0.0	0.0
80	22.443	0.045	0.178	0.20	2.46e-02	0.24	2.93e-02	15.74	1.9	0.0	0.0
81	22.648	0.044	0.177	1.01	0.1	7.13e-03	8.55e-04	9.20	1.1	0.0	0.0
82	23.159	0.043	0.176	0.01	1.55e-03	0.06	6.82e-03	7.79	0.9	0.0	0.0
83	23.504	0.043	0.175	0.04	5.00e-03	0.78	9.36e-02	1.22	0.1	0.0	0.0
84	24.945	0.040	0.173	1.02	0.1	0.07	8.90e-03	0.02	2.55e-03	0.0	0.0
85	25.063	0.040	0.173	3.70e-03	4.43e-04	0.23	2.75e-02	0.21	2.50e-02	0.0	0.0
86	25.354	0.039	0.173	0.39	4.71e-02	1.40e-03	1.68e-04	0.36	4.30e-02	0.0	0.0
87	25.456	0.039	0.173	0.78	9.32e-02	2.76e-04	3.31e-05	2.84e-03	3.40e-04	0.0	0.0
88	25.671	0.039	0.173	0.07	8.43e-03	0.15	1.80e-02	2.85	0.3	0.0	0.0
89	26.022	0.038	0.173	0.07	8.29e-03	1.59e-04	1.91e-05	0.16	1.88e-02	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
90	26.321	0.038	0.173	3.29	0.4	0.01	1.41e-03	0.03	3.25e-03	0.0	0.0
91	26.636	0.038	0.172	0.02	2.34e-03	0.15	1.81e-02	1.52	0.2	0.0	0.0
92	26.716	0.037	0.172	0.19	2.23e-02	0.52	6.26e-02	0.13	1.55e-02	0.0	0.0
93	27.349	0.037	0.172	0.01	1.43e-03	1.08	0.1	0.14	1.70e-02	0.0	0.0
94	28.118	0.036	0.172	1.16e-03	1.39e-04	9.41e-03	1.13e-03	8.11	1.0	0.0	0.0
95	28.232	0.035	0.172	0.01	1.78e-03	0.04	4.79e-03	53.87	6.5	0.0	0.0
96	28.556	0.035	0.172	1.79	0.2	0.02	2.17e-03	0.04	4.66e-03	0.0	0.0
97	28.717	0.035	0.172	0.23	2.73e-02	0.55	6.54e-02	0.61	7.28e-02	0.0	0.0
98	29.090	0.034	0.172	0.03	3.56e-03	0.72	8.61e-02	0.04	5.34e-03	0.0	0.0
99	29.934	0.033	0.172	1.59	0.2	0.21	2.51e-02	0.01	1.33e-03	0.0	0.0
100	30.524	0.033	0.172	2.67	0.3	0.02	1.83e-03	8.77e-03	1.05e-03	0.0	0.0
101	31.530	0.032	0.172	2.39	0.3	0.04	5.03e-03	0.02	2.00e-03	0.0	0.0
102	31.787	0.031	0.172	0.06	7.52e-03	4.14e-04	4.97e-05	4.60	0.6	0.0	0.0
103	34.455	0.029	0.171	8.39e-04	1.01e-04	3.22e-03	3.86e-04	10.69	1.3	0.0	0.0
104	35.210	0.028	0.171	4.74	0.6	0.06	7.58e-03	1.33	0.2	0.0	0.0
105	36.237	0.028	0.171	1.91e-04	2.29e-05	0.05	5.65e-03	2.82	0.3	0.0	0.0
106	36.288	0.028	0.171	2.28e-03	2.74e-04	0.09	1.07e-02	2.72	0.3	0.0	0.0
107	36.584	0.027	0.171	0.20	2.37e-02	5.87e-06	0.0	0.03	4.05e-03	0.0	0.0
108	36.948	0.027	0.171	3.38e-04	4.05e-05	2.22e-04	2.67e-05	27.17	3.3	0.0	0.0
109	37.134	0.027	0.171	4.12e-05	4.94e-06	4.75e-03	5.70e-04	0.03	3.44e-03	0.0	0.0
110	37.695	0.027	0.171	0.02	2.49e-03	4.79e-04	5.74e-05	6.01e-03	7.21e-04	0.0	0.0
111	38.069	0.026	0.171	0.04	4.94e-03	1.88e-03	2.25e-04	2.51e-03	3.00e-04	0.0	0.0
112	39.523	0.025	0.171	8.90e-05	1.07e-05	0.40	4.79e-02	5.94e-06	0.0	0.0	0.0
113	40.357	0.025	0.171	2.25e-05	2.70e-06	0.01	1.31e-03	0.02	2.58e-03	0.0	0.0
114	41.204	0.024	0.171	2.86e-04	3.43e-05	0.0	0.0	59.88	7.2	0.0	0.0
115	41.408	0.024	0.171	8.65e-03	1.04e-03	8.50e-06	1.02e-06	0.05	5.61e-03	0.0	0.0
116	41.712	0.024	0.170	0.01	1.52e-03	9.77e-03	1.17e-03	0.13	1.57e-02	0.0	0.0
117	41.754	0.024	0.170	0.03	3.67e-03	9.88e-03	1.18e-03	17.67	2.1	0.0	0.0
118	41.978	0.024	0.170	6.04e-03	7.25e-04	6.57e-03	7.88e-04	0.01	1.55e-03	0.0	0.0
119	43.711	0.023	0.170	0.29	3.42e-02	1.95	0.2	4.59e-03	5.50e-04	0.0	0.0
120	44.895	0.022	0.170	1.14e-03	1.36e-04	0.12	1.41e-02	0.03	3.50e-03	0.0	0.0
121	45.059	0.022	0.170	3.03e-06	0.0	9.77	1.2	1.50e-03	1.80e-04	0.0	0.0
122	45.622	0.022	0.170	1.43e-03	1.71e-04	0.02	2.02e-03	0.56	6.72e-02	0.0	0.0
123	46.332	0.022	0.170	3.99e-04	4.78e-05	0.02	1.92e-03	43.65	5.2	0.0	0.0
124	46.448	0.022	0.170	6.57e-03	7.88e-04	5.34e-04	6.41e-05	2.66	0.3	0.0	0.0
125	46.850	0.021	0.170	0.08	9.24e-03	0.97	0.1	3.41	0.4	0.0	0.0
126	46.916	0.021	0.170	0.08	1.00e-02	0.99	0.1	8.45	1.0	0.0	0.0
127	47.402	0.021	0.170	1.14e-03	1.37e-04	0.04	4.36e-03	11.54	1.4	0.0	0.0
128	49.258	0.020	0.170	2.68e-03	3.22e-04	9.18e-05	1.10e-05	102.43	12.3	0.0	0.0
129	49.698	0.020	0.170	0.04	4.26e-03	0.01	1.41e-03	3.73	0.4	0.0	0.0
130	49.856	0.020	0.170	7.63	0.9	4.09e-05	4.91e-06	0.25	2.95e-02	0.0	0.0
131	50.879	0.020	0.170	9.60e-03	1.15e-03	0.13	1.57e-02	27.22	3.3	0.0	0.0
132	52.820	0.019	0.170	1.12e-06	0.0	4.20e-06	0.0	37.17	4.5	0.0	0.0
133	53.494	0.019	0.170	1.08e-06	0.0	1.02e-03	1.22e-04	16.36	2.0	0.0	0.0
134	54.116	0.018	0.170	0.02	2.93e-03	0.0	0.0	16.49	2.0	0.0	0.0
135	54.346	0.018	0.170	0.08	9.41e-03	0.0	0.0	5.61e-05	6.73e-06	0.0	0.0
136	54.515	0.018	0.170	2.77e-06	0.0	0.07	7.90e-03	2.82e-05	3.38e-06	0.0	0.0
137	54.983	0.018	0.170	4.31e-03	5.17e-04	0.02	2.88e-03	29.26	3.5	0.0	0.0
138	55.350	0.018	0.170	6.13e-06	0.0	1.11e-04	1.34e-05	7.70e-03	9.23e-04	0.0	0.0
139	55.644	0.018	0.170	1.89e-03	2.26e-04	8.96e-06	1.07e-06	0.01	1.55e-03	0.0	0.0
140	55.711	0.018	0.170	0.09	1.05e-02	1.94e-03	2.32e-04	0.03	3.67e-03	0.0	0.0
141	56.685	0.018	0.170	1.71e-03	2.05e-04	0.02	2.50e-03	0.45	5.40e-02	0.0	0.0
142	56.772	0.018	0.170	1.71e-05	2.05e-06	7.34	0.9	5.71	0.7	0.0	0.0
143	58.235	0.017	0.170	7.38	0.9	0.0	0.0	5.02	0.6	0.0	0.0
144	58.984	0.017	0.170	0.01	1.37e-03	4.68e-04	5.61e-05	3.14	0.4	0.0	0.0
145	59.098	0.017	0.170	0.09	1.13e-02	5.39e-03	6.46e-04	30.89	3.7	0.0	0.0
146	60.270	0.017	0.170	4.38e-04	5.26e-05	3.05e-04	3.66e-05	3.03e-03	3.63e-04	0.0	0.0
147	60.691	0.016	0.170	1.74e-03	2.08e-04	9.49e-06	1.14e-06	7.83	0.9	0.0	0.0
148	60.694	0.016	0.170	5.54e-05	6.64e-06	2.47e-04	2.97e-05	17.11	2.1	0.0	0.0
149	61.147	0.016	0.170	2.93e-03	3.52e-04	9.84e-04	1.18e-04	1.25e-03	1.50e-04	0.0	0.0
150	61.313	0.016	0.170	1.25e-06	0.0	0.29	3.44e-02	1.73e-03	2.08e-04	0.0	0.0
151	61.691	0.016	0.170	1.32e-04	1.58e-05	0.0	0.0	13.92	1.7	0.0	0.0
152	61.729	0.016	0.170	2.19e-06	0.0	4.46e-04	5.35e-05	13.56	1.6	0.0	0.0
153	63.119	0.016	0.170	0.23	2.79e-02	1.73e-06	0.0	0.03	3.44e-03	0.0	0.0
154	63.646	0.016	0.170	1.04	0.1	0.02	2.98e-03	3.97	0.5	0.0	0.0
155	64.947	0.015	0.170	0.68	8.13e-02	0.04	5.15e-03	1.15	0.1	0.0	0.0
156	67.288	0.015	0.170	4.28e-04	5.13e-05	8.76e-04	1.05e-04	0.03	3.53e-03	0.0	0.0
157	69.048	0.014	0.170	2.56e-04	3.07e-05	3.32e-05	3.99e-06	0.14	1.67e-02	0.0	0.0
158	70.053	0.014	0.170	7.54e-03	9.04e-04	4.70e-04	5.63e-05	0.07	8.27e-03	0.0	0.0
159	70.171	0.014	0.170	0.05	5.88e-03	8.88e-04	1.06e-04	0.04	4.86e-03	0.0	0.0
160	70.991	0.014	0.170	9.38e-04	1.12e-04	6.71e-03	8.05e-04	0.33	3.96e-02	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
161	72.839	0.014	0.170	1.34e-03	1.60e-04	1.37e-03	1.65e-04	0.28	3.34e-02	0.0	0.0
162	75.138	0.013	0.170	3.47e-03	4.17e-04	0.12	1.42e-02	1.97e-03	2.37e-04	0.0	0.0
163	75.326	0.013	0.170	0.05	5.82e-03	0.03	3.08e-03	6.82e-06	0.0	0.0	0.0
164	75.379	0.013	0.170	0.04	4.99e-03	0.04	4.26e-03	0.03	3.33e-03	0.0	0.0
165	76.669	0.013	0.170	7.46e-04	8.94e-05	0.03	3.80e-03	0.34	4.12e-02	0.0	0.0
166	77.123	0.013	0.170	1.08e-04	1.29e-05	0.01	1.57e-03	0.53	6.38e-02	0.0	0.0
167	78.562	0.013	0.170	0.19	2.28e-02	4.52e-04	5.42e-05	0.07	7.94e-03	0.0	0.0
168	79.384	0.013	0.170	9.04e-03	1.08e-03	0.02	1.85e-03	0.60	7.23e-02	0.0	0.0
169	79.912	0.013	0.170	2.51e-04	3.00e-05	1.23e-05	1.47e-06	15.31	1.8	0.0	0.0
170	81.310	0.012	0.170	6.81e-03	8.16e-04	5.31e-03	6.37e-04	0.23	2.75e-02	0.0	0.0
171	82.861	0.012	0.170	1.12e-03	1.34e-04	0.23	2.75e-02	2.51e-03	3.01e-04	0.0	0.0
172	83.176	0.012	0.170	2.60e-05	3.12e-06	0.13	1.58e-02	3.21	0.4	0.0	0.0
173	84.337	0.012	0.170	2.04e-03	2.45e-04	1.86e-03	2.23e-04	1.97	0.2	0.0	0.0
174	85.106	0.012	0.170	5.17e-05	6.20e-06	0.01	1.63e-03	0.13	1.55e-02	0.0	0.0
175	86.990	0.011	0.170	6.27e-04	7.52e-05	1.74e-03	2.09e-04	0.99	0.1	0.0	0.0
176	88.652	0.011	0.170	1.49e-03	1.79e-04	6.72e-05	8.06e-06	0.26	3.14e-02	0.0	0.0
177	90.027	0.011	0.170	2.98e-04	3.58e-05	0.28	3.38e-02	0.79	9.43e-02	0.0	0.0
178	91.659	0.011	0.170	3.13e-05	3.75e-06	0.02	2.39e-03	0.48	5.80e-02	0.0	0.0
179	92.321	0.011	0.170	0.05	6.43e-03	3.98e-04	4.77e-05	4.33e-03	5.20e-04	0.0	0.0
180	95.649	0.010	0.170	2.12e-05	2.54e-06	0.14	1.69e-02	0.07	8.80e-03	0.0	0.0
181	96.339	0.010	0.170	9.69e-05	1.16e-05	0.05	5.74e-03	0.79	9.42e-02	0.0	0.0
182	97.162	0.010	0.170	1.75e-03	2.09e-04	0.27	3.23e-02	0.09	1.03e-02	0.0	0.0
183	98.593	0.010	0.170	4.14e-03	4.97e-04	0.01	1.76e-03	0.24	2.83e-02	0.0	0.0
184	100.495	0.010	0.170	0.01	1.53e-03	6.29e-03	7.54e-04	0.36	4.26e-02	0.0	0.0
185	102.163	0.010	0.170	2.93e-03	3.51e-04	4.08e-03	4.89e-04	3.58	0.4	0.0	0.0
186	106.224	0.009	0.170	1.94e-05	2.33e-06	3.32e-05	3.98e-06	7.04	0.8	0.0	0.0
187	106.843	0.009	0.170	8.01e-06	0.0	8.51e-03	1.02e-03	0.05	5.47e-03	0.0	0.0
188	113.315	0.009	0.170	4.84e-04	5.80e-05	7.30e-05	8.75e-06	0.05	5.55e-03	0.0	0.0
189	114.611	0.009	0.170	8.04e-03	9.64e-04	3.66e-04	4.39e-05	4.43e-03	5.31e-04	0.0	0.0
190	115.756	0.009	0.170	6.60e-05	7.92e-06	0.06	7.61e-03	2.72e-03	3.26e-04	0.0	0.0
191	127.977	0.008	0.170	3.82e-03	4.58e-04	0.03	3.47e-03	0.05	5.49e-03	0.0	0.0
192	130.101	0.008	0.170	0.17	2.09e-02	0.14	1.74e-02	0.03	3.15e-03	0.0	0.0
193	133.711	0.007	0.170	5.83e-03	6.99e-04	2.16e-05	2.59e-06	3.11	0.4	0.0	0.0
194	136.216	0.007	0.170	0.69	8.29e-02	0.08	9.95e-03	0.04	5.25e-03	0.0	0.0
195	137.326	0.007	0.170	0.02	2.04e-03	0.04	4.78e-03	2.40e-03	2.88e-04	0.0	0.0
196	145.308	0.007	0.170	0.05	6.01e-03	0.02	1.96e-03	11.91	1.4	0.0	0.0
197	147.282	0.007	0.170	0.15	1.81e-02	0.15	1.75e-02	6.55	0.8	0.0	0.0
198	149.084	0.007	0.170	0.21	2.46e-02	0.02	2.90e-03	0.16	1.93e-02	0.0	0.0
199	155.238	0.006	0.170	2.45e-03	2.94e-04	5.83e-03	7.00e-04	8.68	1.0	0.0	0.0
200	161.974	0.006	0.170	0.19	2.23e-02	0.04	4.61e-03	0.02	2.29e-03	0.0	0.0
201	168.167	0.006	0.170	0.19	2.22e-02	0.07	8.61e-03	1.23	0.1	0.0	0.0
202	171.618	0.006	0.170	1.59e-03	1.90e-04	4.99e-03	5.98e-04	10.35	1.2	0.0	0.0
203	177.770	0.006	0.170	0.03	4.02e-03	0.15	1.83e-02	0.18	2.12e-02	0.0	0.0
204	185.408	0.005	0.170	0.05	5.96e-03	0.03	3.41e-03	0.29	3.44e-02	0.0	0.0
205	190.880	0.005	0.170	0.04	4.43e-03	4.24e-04	5.09e-05	1.57	0.2	0.0	0.0
206	195.332	0.005	0.170	0.04	4.57e-03	7.01e-04	8.41e-05	1.20	0.1	0.0	0.0
207	212.623	0.005	0.170	0.01	1.76e-03	0.06	6.72e-03	0.09	1.12e-02	0.0	0.0
208	220.383	0.005	0.170	6.81e-04	8.16e-05	0.02	2.73e-03	3.25	0.4	0.0	0.0
209	225.036	0.004	0.170	9.38e-03	1.12e-03	0.04	4.22e-03	0.97	0.1	0.0	0.0
210	253.606	0.004	0.170	6.42e-04	7.69e-05	0.10	1.17e-02	5.74e-03	6.88e-04	0.0	0.0
211	265.098	0.004	0.170	8.94e-03	1.07e-03	1.24e-03	1.49e-04	2.52	0.3	0.0	0.0
212	269.754	0.004	0.170	0.09	1.08e-02	0.03	3.61e-03	0.17	2.08e-02	0.0	0.0
213	289.159	0.003	0.170	0.06	6.90e-03	0.03	3.56e-03	5.02e-03	6.01e-04	0.0	0.0
214	303.622	0.003	0.170	0.05	6.49e-03	3.11e-03	3.73e-04	0.01	1.34e-03	0.0	0.0
215	335.457	0.003	0.170	3.41e-04	4.08e-05	3.33e-05	3.99e-06	0.81	9.68e-02	0.0	0.0
216	351.606	0.003	0.170	9.32e-03	1.12e-03	3.91e-05	4.68e-06	0.02	2.00e-03	0.0	0.0
217	389.391	0.003	0.170	8.63e-04	1.04e-04	2.11e-03	2.53e-04	0.13	1.59e-02	0.0	0.0
218	415.459	0.002	0.170	1.48e-05	1.77e-06	1.15e-06	0.0	0.78	9.39e-02	0.0	0.0
219	542.583	0.002	0.170	7.21e-04	8.64e-05	7.83e-04	9.38e-05	0.32	3.81e-02	0.0	0.0
220	563.170	0.002	0.170	4.00e-03	4.80e-04	6.66e-04	7.99e-05	0.13	1.60e-02	0.0	0.0
221	609.924	0.002	0.170	1.22e-04	1.46e-05	1.65e-05	1.98e-06	0.54	6.47e-02	0.0	0.0
222	819.985	0.001	0.170	1.25e-04	1.50e-05	5.44e-04	6.52e-05	5.99e-03	7.18e-04	0.0	0.0
223	918.591	0.001	0.170	5.83e-04	6.99e-05	1.57e-05	1.88e-06	0.08	9.82e-03	0.0	0.0
224	962.252	0.001	0.170	7.29e-05	8.74e-06	1.66e-05	2.00e-06	0.27	3.21e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.

CDC	Tipo	Sigla Id	Note
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.336 sec.
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	0.0	-0.40	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	0.0	-0.54	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	0.0	-0.54	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	0.0	-0.30	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	0.0	-0.54	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	0.0	-0.38	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	0.0	-0.08	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.826	1.211	0.100	10.34	1.2	4.66e-04	5.58e-05	0.0	0.0	0.0	0.0
2	0.829	1.206	0.100	0.03	3.83e-03	0.0	0.0	4.93e-06	0.0	0.0	0.0
3	1.027	0.974	0.111	1.90e-03	2.28e-04	11.57	1.4	1.17e-05	1.40e-06	0.0	0.0
4	1.032	0.969	0.111	9.22e-05	1.11e-05	0.03	3.16e-03	1.34e-05	1.61e-06	0.0	0.0
5	1.248	0.801	0.125	12.09	1.4	4.87e-03	5.84e-04	0.0	0.0	0.0	0.0
6	1.250	0.800	0.125	0.04	4.80e-03	3.36e-06	0.0	4.72e-06	0.0	0.0	0.0
7	1.325	0.755	0.133	2.44e-03	2.92e-04	11.18	1.3	1.62e-06	0.0	0.0	0.0
8	1.327	0.754	0.134	6.60e-05	7.91e-06	0.03	3.78e-03	8.01e-06	0.0	0.0	0.0
9	1.441	0.694	0.160	7.42	0.9	0.0	0.0	1.21e-05	1.45e-06	0.0	0.0
10	1.448	0.691	0.162	0.01	1.73e-03	1.09e-04	1.30e-05	1.13e-05	1.35e-06	0.0	0.0
11	1.512	0.662	0.180	5.95e-06	0.0	3.66	0.4	0.0	0.0	0.0	0.0
12	2.221	0.450	0.293	0.99	0.1	12.15	1.5	1.86e-04	2.23e-05	0.0	0.0
13	2.357	0.424	0.294	177.26	21.3	347.54	41.7	0.03	4.18e-03	0.0	0.0
14	2.979	0.336	0.362	309.79	37.1	180.58	21.7	0.01	1.46e-03	0.0	0.0
15	3.415	0.293	0.408	24.35	2.9	11.31	1.4	6.87e-04	8.23e-05	0.0	0.0
16	3.588	0.279	0.396	23.15	2.8	0.95	0.1	4.29e-03	5.14e-04	0.0	0.0
17	3.910	0.256	0.413	0.17	1.99e-02	3.43	0.4	0.02	2.04e-03	0.0	0.0
18	4.182	0.239	0.385	0.05	6.28e-03	1.58	0.2	8.66e-03	1.04e-03	0.0	0.0
19	4.258	0.235	0.369	4.19e-03	5.03e-04	19.44	2.3	1.57e-04	1.88e-05	0.0	0.0
20	4.383	0.228	0.344	0.29	3.49e-02	40.68	4.9	0.12	1.44e-02	0.0	0.0
21	4.786	0.209	0.297	22.14	2.7	0.0	0.0	1.85e-05	2.22e-06	0.0	0.0
22	5.736	0.174	0.266	0.25	3.03e-02	1.53	0.2	0.07	8.35e-03	0.0	0.0
23	5.940	0.168	0.262	1.62	0.2	9.58	1.1	5.76e-06	0.0	0.0	0.0
24	6.248	0.160	0.256	16.15	1.9	1.26	0.2	0.33	3.97e-02	0.0	0.0
25	6.523	0.153	0.250	8.25	1.0	0.24	2.89e-02	0.11	1.31e-02	0.0	0.0
26	6.741	0.148	0.246	17.88	2.1	0.15	1.82e-02	0.02	2.18e-03	0.0	0.0
27	7.005	0.143	0.241	32.02	3.8	1.10	0.1	0.07	8.21e-03	0.0	0.0
28	7.142	0.140	0.239	2.18	0.3	3.61	0.4	1.16e-04	1.40e-05	0.0	0.0
29	7.352	0.136	0.235	19.26	2.3	0.02	1.89e-03	0.05	5.91e-03	0.0	0.0
30	7.796	0.128	0.227	1.66	0.2	10.67	1.3	4.23e-03	5.07e-04	0.0	0.0
31	8.122	0.123	0.222	6.38	0.8	27.92	3.3	0.07	8.18e-03	0.0	0.0
32	8.223	0.122	0.220	6.14	0.7	1.06	0.1	0.50	6.04e-02	0.0	0.0
33	8.438	0.119	0.221	4.31	0.5	3.43	0.4	0.60	7.20e-02	0.0	0.0
34	8.719	0.115	0.228	5.14e-03	6.16e-04	5.98	0.7	0.13	1.60e-02	0.0	0.0
35	8.921	0.112	0.233	3.32	0.4	15.00	1.8	2.11e-06	0.0	0.0	0.0
36	9.244	0.108	0.240	4.88	0.6	4.37	0.5	0.12	1.39e-02	0.0	0.0
37	9.522	0.105	0.245	0.84	0.1	3.83e-04	4.59e-05	0.0	0.0	0.0	0.0
38	10.700	0.093	0.239	0.93	0.1	1.15	0.1	0.54	6.46e-02	0.0	0.0
39	10.746	0.093	0.238	9.18	1.1	0.10	1.22e-02	1.30	0.2	0.0	0.0
40	10.918	0.092	0.235	0.05	5.94e-03	8.52e-03	1.02e-03	5.00e-03	6.00e-04	0.0	0.0
41	11.346	0.088	0.227	6.38	0.8	7.62e-03	9.13e-04	5.59	0.7	0.0	0.0
42	11.615	0.086	0.223	2.13e-03	2.56e-04	5.46	0.7	1.87e-04	2.25e-05	0.0	0.0
43	12.163	0.082	0.214	5.22e-05	6.25e-06	3.54	0.4	3.47e-03	4.16e-04	0.0	0.0
44	12.465	0.080	0.209	0.44	5.33e-02	0.12	1.40e-02	34.63	4.2	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
45	12.915	0.077	0.203	19.00	2.3	13.69	1.6	0.81	9.77e-02	0.0	0.0
46	13.166	0.076	0.199	7.46	0.9	1.15e-04	1.37e-05	1.67e-03	2.00e-04	0.0	0.0
47	13.409	0.075	0.196	1.47e-03	1.77e-04	0.31	3.74e-02	0.24	2.83e-02	0.0	0.0
48	13.700	0.073	0.192	0.68	8.21e-02	1.64	0.2	0.15	1.80e-02	0.0	0.0
49	14.115	0.071	0.187	0.53	6.39e-02	4.69	0.6	0.31	3.69e-02	0.0	0.0
50	14.303	0.070	0.185	1.00	0.1	2.49	0.3	0.01	1.76e-03	0.0	0.0
51	14.624	0.068	0.181	1.74	0.2	2.10	0.3	1.21	0.1	0.0	0.0
52	14.714	0.068	0.180	0.01	1.52e-03	0.32	3.80e-02	4.37	0.5	0.0	0.0
53	14.954	0.067	0.178	0.39	4.73e-02	0.02	1.94e-03	0.02	2.17e-03	0.0	0.0
54	15.260	0.066	0.175	1.90	0.2	1.27e-03	1.52e-04	0.02	2.05e-03	0.0	0.0
55	15.302	0.065	0.174	0.02	2.21e-03	0.54	6.42e-02	1.05	0.1	0.0	0.0
56	15.347	0.065	0.174	0.10	1.21e-02	0.63	7.56e-02	0.03	3.92e-03	0.0	0.0
57	15.484	0.065	0.173	2.64	0.3	0.01	1.73e-03	0.01	1.49e-03	0.0	0.0
58	15.564	0.064	0.172	1.87	0.2	1.89	0.2	0.01	1.43e-03	0.0	0.0
59	15.653	0.064	0.171	1.21	0.1	4.43	0.5	2.54e-03	3.04e-04	0.0	0.0
60	15.898	0.063	0.169	5.21	0.6	8.17	1.0	0.14	1.63e-02	0.0	0.0
61	16.155	0.062	0.166	0.16	1.97e-02	2.37	0.3	0.03	3.71e-03	0.0	0.0
62	16.334	0.061	0.165	1.08	0.1	5.48e-03	6.58e-04	1.67e-03	2.01e-04	0.0	0.0
63	16.591	0.060	0.162	0.25	3.00e-02	0.28	3.37e-02	9.90	1.2	0.0	0.0
64	16.660	0.060	0.162	3.25	0.4	7.54	0.9	1.20	0.1	0.0	0.0
65	17.106	0.058	0.160	0.27	3.23e-02	7.54e-03	9.04e-04	0.20	2.43e-02	0.0	0.0
66	17.179	0.058	0.159	2.44	0.3	1.36	0.2	1.44	0.2	0.0	0.0
67	17.669	0.057	0.157	0.48	5.79e-02	0.01	1.56e-03	10.63	1.3	0.0	0.0
68	18.008	0.056	0.156	1.89	0.2	3.13	0.4	0.13	1.58e-02	0.0	0.0
69	18.313	0.055	0.154	0.46	5.48e-02	1.71e-04	2.05e-05	0.01	1.46e-03	0.0	0.0
70	18.475	0.054	0.154	0.43	5.17e-02	0.02	2.60e-03	0.02	2.17e-03	0.0	0.0
71	18.824	0.053	0.152	0.85	0.1	2.23	0.3	0.60	7.24e-02	0.0	0.0
72	18.927	0.053	0.152	0.14	1.70e-02	3.67	0.4	5.39	0.6	0.0	0.0
73	19.268	0.052	0.151	2.11	0.3	0.14	1.71e-02	7.32	0.9	0.0	0.0
74	19.434	0.051	0.150	3.36	0.4	1.68	0.2	4.88	0.6	0.0	0.0
75	19.650	0.051	0.149	0.50	6.05e-02	0.23	2.76e-02	1.18	0.1	0.0	0.0
76	20.203	0.049	0.148	0.13	1.55e-02	0.09	1.13e-02	0.22	2.63e-02	0.0	0.0
77	20.933	0.048	0.145	0.81	9.67e-02	1.11	0.1	7.03	0.8	0.0	0.0
78	21.332	0.047	0.144	0.17	2.02e-02	0.05	5.51e-03	1.46	0.2	0.0	0.0
79	21.944	0.046	0.142	0.60	7.19e-02	0.84	0.1	7.40	0.9	0.0	0.0
80	22.263	0.045	0.141	7.75e-03	9.29e-04	0.20	2.41e-02	1.44	0.2	0.0	0.0
81	23.096	0.043	0.139	0.10	1.19e-02	0.40	4.74e-02	3.28	0.4	0.0	0.0
82	23.276	0.043	0.139	0.57	6.83e-02	0.02	2.24e-03	2.38	0.3	0.0	0.0
83	23.449	0.043	0.138	2.80	0.3	4.76e-03	5.71e-04	15.79	1.9	0.0	0.0
84	24.402	0.041	0.136	0.17	2.00e-02	3.24e-03	3.89e-04	5.12	0.6	0.0	0.0
85	25.005	0.040	0.135	0.02	1.87e-03	1.90	0.2	0.09	1.09e-02	0.0	0.0
86	25.304	0.040	0.135	0.61	7.26e-02	1.09e-06	0.0	7.52e-03	9.02e-04	0.0	0.0
87	25.399	0.039	0.135	1.80e-04	2.15e-05	0.16	1.98e-02	0.22	2.65e-02	0.0	0.0
88	25.737	0.039	0.134	3.72	0.4	0.05	5.69e-03	0.11	1.31e-02	0.0	0.0
89	25.890	0.039	0.134	0.22	2.69e-02	2.80e-06	0.0	0.01	1.35e-03	0.0	0.0
90	26.298	0.038	0.134	0.05	5.97e-03	8.47e-04	1.02e-04	1.34	0.2	0.0	0.0
91	26.355	0.038	0.134	0.01	1.65e-03	0.01	1.64e-03	2.50	0.3	0.0	0.0
92	27.100	0.037	0.134	0.04	4.66e-03	0.04	5.16e-03	3.23	0.4	0.0	0.0
93	27.382	0.037	0.134	1.08	0.1	8.38e-05	1.00e-05	0.08	9.00e-03	0.0	0.0
94	28.131	0.036	0.134	2.40e-04	2.88e-05	3.55e-04	4.25e-05	8.17	1.0	0.0	0.0
95	28.251	0.035	0.134	1.28e-04	1.53e-05	6.20e-03	7.44e-04	52.98	6.4	0.0	0.0
96	28.637	0.035	0.134	0.37	4.46e-02	3.07e-03	3.69e-04	0.21	2.56e-02	0.0	0.0
97	29.470	0.034	0.133	0.02	2.86e-03	0.07	8.56e-03	2.73e-05	3.28e-06	0.0	0.0
98	30.316	0.033	0.133	0.33	3.92e-02	1.29	0.2	1.15e-04	1.38e-05	0.0	0.0
99	30.807	0.032	0.133	3.12	0.4	0.13	1.51e-02	0.01	1.58e-03	0.0	0.0
100	31.784	0.031	0.133	0.10	1.25e-02	0.13	1.58e-02	1.30	0.2	0.0	0.0
101	31.819	0.031	0.133	0.09	1.08e-02	0.06	7.10e-03	2.91	0.3	0.0	0.0
102	33.119	0.030	0.133	4.03	0.5	6.72e-03	8.05e-04	0.47	5.61e-02	0.0	0.0
103	34.366	0.029	0.132	4.08	0.5	0.09	1.06e-02	0.32	3.79e-02	0.0	0.0
104	34.494	0.029	0.132	0.04	5.11e-03	5.22e-03	6.25e-04	11.46	1.4	0.0	0.0
105	36.258	0.028	0.132	6.28e-04	7.53e-05	2.16e-03	2.59e-04	5.28	0.6	0.0	0.0
106	36.327	0.028	0.132	1.60e-03	1.92e-04	0.13	1.54e-02	0.72	8.69e-02	0.0	0.0
107	36.715	0.027	0.132	0.16	1.87e-02	1.06e-05	1.27e-06	0.02	2.15e-03	0.0	0.0
108	36.955	0.027	0.132	3.16e-04	3.78e-05	2.51e-04	3.01e-05	26.63	3.2	0.0	0.0
109	37.278	0.027	0.132	1.71e-03	2.05e-04	0.42	4.98e-02	0.09	1.06e-02	0.0	0.0
110	37.396	0.027	0.132	6.21e-04	7.44e-05	0.03	3.31e-03	4.95e-03	5.93e-04	0.0	0.0
111	37.678	0.027	0.132	0.02	2.99e-03	0.01	1.64e-03	1.85e-04	2.22e-05	0.0	0.0
112	38.134	0.026	0.132	0.02	2.62e-03	5.57e-04	6.68e-05	0.01	1.20e-03	0.0	0.0
113	41.227	0.024	0.131	1.01e-03	1.22e-04	8.20e-04	9.83e-05	58.23	7.0	0.0	0.0
114	41.381	0.024	0.131	2.31e-05	2.77e-06	6.00e-03	7.20e-04	1.38e-04	1.66e-05	0.0	0.0
115	41.732	0.024	0.131	0.01	1.74e-03	0.02	2.67e-03	0.25	3.00e-02	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
116	41.770	0.024	0.131	0.04	4.33e-03	0.02	1.82e-03	17.71	2.1	0.0	0.0
117	41.995	0.024	0.131	4.65e-03	5.58e-04	4.42e-03	5.30e-04	0.01	1.36e-03	0.0	0.0
118	42.378	0.024	0.131	2.35e-04	2.81e-05	0.03	4.00e-03	0.03	3.95e-03	0.0	0.0
119	42.601	0.023	0.131	5.33e-03	6.39e-04	8.61e-04	1.03e-04	8.60e-03	1.03e-03	0.0	0.0
120	44.162	0.023	0.131	0.22	2.68e-02	2.53	0.3	2.33e-03	2.79e-04	0.0	0.0
121	45.605	0.022	0.131	1.26e-03	1.51e-04	4.89e-03	5.87e-04	0.07	7.99e-03	0.0	0.0
122	46.393	0.022	0.131	6.89e-05	8.26e-06	0.02	2.54e-03	47.04	5.6	0.0	0.0
123	46.532	0.021	0.131	3.65e-03	4.38e-04	2.78e-03	3.33e-04	2.71	0.3	0.0	0.0
124	46.883	0.021	0.131	7.35e-04	8.82e-05	3.77e-03	4.52e-04	11.85	1.4	0.0	0.0
125	47.132	0.021	0.131	0.24	2.82e-02	1.34	0.2	0.95	0.1	0.0	0.0
126	47.418	0.021	0.131	3.82e-03	4.59e-04	0.05	6.41e-03	9.67	1.2	0.0	0.0
127	48.627	0.021	0.131	1.30e-06	0.0	8.09	1.0	2.79e-03	3.34e-04	0.0	0.0
128	49.257	0.020	0.131	6.32e-05	7.57e-06	8.87e-03	1.06e-03	101.43	12.2	0.0	0.0
129	49.683	0.020	0.131	5.81e-04	6.97e-05	6.63e-03	7.95e-04	1.56	0.2	0.0	0.0
130	50.740	0.020	0.131	9.10e-03	1.09e-03	0.11	1.33e-02	28.78	3.5	0.0	0.0
131	52.820	0.019	0.131	0.0	0.0	2.41e-06	0.0	37.23	4.5	0.0	0.0
132	53.439	0.019	0.131	2.67e-03	3.21e-04	0.02	2.84e-03	1.28	0.2	0.0	0.0
133	54.065	0.018	0.131	1.58e-06	0.0	3.54e-03	4.24e-04	16.70	2.0	0.0	0.0
134	54.247	0.018	0.131	2.89e-03	3.47e-04	0.07	7.99e-03	3.46e-03	4.15e-04	0.0	0.0
135	54.265	0.018	0.131	0.11	1.34e-02	1.00e-04	1.20e-05	5.57e-03	6.67e-04	0.0	0.0
136	54.323	0.018	0.131	3.24	0.4	1.27e-05	1.52e-06	8.03	1.0	0.0	0.0
137	54.546	0.018	0.131	3.99e-04	4.79e-05	9.53e-05	1.14e-05	0.02	2.73e-03	0.0	0.0
138	54.700	0.018	0.131	0.10	1.20e-02	2.37e-03	2.85e-04	0.27	3.22e-02	0.0	0.0
139	54.907	0.018	0.131	2.09	0.3	1.32e-06	0.0	9.13	1.1	0.0	0.0
140	54.996	0.018	0.131	2.95e-03	3.54e-04	0.03	3.31e-03	27.60	3.3	0.0	0.0
141	55.353	0.018	0.131	4.60e-05	5.51e-06	1.48e-04	1.77e-05	5.03e-03	6.03e-04	0.0	0.0
142	58.241	0.017	0.131	1.63e-05	1.95e-06	7.22	0.9	5.18	0.6	0.0	0.0
143	58.960	0.017	0.131	0.05	6.39e-03	3.01e-03	3.60e-04	12.55	1.5	0.0	0.0
144	59.042	0.017	0.131	0.08	9.62e-03	5.51e-03	6.60e-04	21.02	2.5	0.0	0.0
145	59.442	0.017	0.131	4.19e-04	5.02e-05	7.00e-04	8.39e-05	3.61e-03	4.33e-04	0.0	0.0
146	59.911	0.017	0.131	7.79	0.9	0.0	0.0	5.07	0.6	0.0	0.0
147	60.697	0.016	0.131	0.03	3.01e-03	4.26e-04	5.11e-05	3.43	0.4	0.0	0.0
148	60.699	0.016	0.131	4.95e-03	5.94e-04	2.91e-03	3.49e-04	20.92	2.5	0.0	0.0
149	61.066	0.016	0.131	5.41e-03	6.49e-04	2.28e-04	2.74e-05	0.04	4.50e-03	0.0	0.0
150	61.693	0.016	0.131	2.32e-04	2.78e-05	0.0	0.0	14.76	1.8	0.0	0.0
151	61.730	0.016	0.131	3.62e-05	4.33e-06	2.67e-04	3.20e-05	12.77	1.5	0.0	0.0
152	62.371	0.016	0.131	0.88	0.1	0.03	4.04e-03	5.08	0.6	0.0	0.0
153	63.120	0.016	0.131	0.0	0.0	0.23	2.81e-02	0.02	2.96e-03	0.0	0.0
154	65.044	0.015	0.131	0.19	2.28e-02	1.20e-06	0.0	0.03	3.34e-03	0.0	0.0
155	65.307	0.015	0.131	0.06	7.21e-03	7.52e-04	9.02e-05	0.04	4.57e-03	0.0	0.0
156	66.037	0.015	0.131	0.82	9.87e-02	0.04	4.59e-03	1.15	0.1	0.0	0.0
157	69.097	0.014	0.131	2.40e-06	0.0	7.41e-04	8.88e-05	0.13	1.50e-02	0.0	0.0
158	70.051	0.014	0.131	0.11	1.27e-02	1.15e-03	1.37e-04	0.02	1.93e-03	0.0	0.0
159	70.227	0.014	0.131	1.10e-04	1.32e-05	0.02	1.84e-03	0.02	2.38e-03	0.0	0.0
160	70.289	0.014	0.131	3.54e-04	4.24e-05	2.43e-03	2.92e-04	0.05	5.59e-03	0.0	0.0
161	70.931	0.014	0.131	9.20e-04	1.10e-04	0.02	2.81e-03	0.08	9.73e-03	0.0	0.0
162	72.924	0.014	0.131	0.03	3.44e-03	5.67e-04	6.80e-05	0.04	4.67e-03	0.0	0.0
163	73.405	0.014	0.131	1.99e-03	2.39e-04	1.46e-04	1.75e-05	0.49	5.89e-02	0.0	0.0
164	73.734	0.014	0.131	0.01	1.32e-03	8.20e-03	9.84e-04	0.44	5.28e-02	0.0	0.0
165	75.595	0.013	0.131	6.58e-04	7.89e-05	0.08	9.53e-03	0.02	2.33e-03	0.0	0.0
166	76.135	0.013	0.131	3.60e-03	4.32e-04	5.18e-03	6.22e-04	0.31	3.77e-02	0.0	0.0
167	78.631	0.013	0.131	2.23e-03	2.67e-04	0.19	2.31e-02	0.06	7.03e-03	0.0	0.0
168	79.225	0.013	0.131	1.27e-03	1.53e-04	6.03e-05	7.23e-06	0.46	5.52e-02	0.0	0.0
169	79.613	0.013	0.131	1.81e-03	2.17e-04	3.94e-03	4.73e-04	1.04	0.1	0.0	0.0
170	79.951	0.013	0.131	3.38e-05	4.05e-06	2.87e-03	3.45e-04	14.57	1.7	0.0	0.0
171	82.570	0.012	0.131	0.20	2.36e-02	1.42e-03	1.70e-04	0.39	4.72e-02	0.0	0.0
172	83.142	0.012	0.131	1.93e-03	2.31e-04	0.27	3.22e-02	0.92	0.1	0.0	0.0
173	83.665	0.012	0.131	4.39e-04	5.26e-05	0.03	3.64e-03	2.41	0.3	0.0	0.0
174	84.860	0.012	0.131	2.86e-04	3.43e-05	2.36e-03	2.83e-04	1.27	0.2	0.0	0.0
175	87.778	0.011	0.131	3.88e-03	4.66e-04	1.73e-04	2.07e-05	0.02	2.54e-03	0.0	0.0
176	89.054	0.011	0.131	2.40e-06	0.0	0.01	1.31e-03	2.30	0.3	0.0	0.0
177	89.559	0.011	0.131	7.75e-05	9.30e-06	0.26	3.07e-02	0.55	6.65e-02	0.0	0.0
178	91.748	0.011	0.131	4.30e-03	5.16e-04	0.07	7.80e-03	0.02	2.68e-03	0.0	0.0
179	92.158	0.011	0.131	0.05	5.75e-03	4.11e-03	4.92e-04	0.01	1.67e-03	0.0	0.0
180	94.211	0.011	0.131	9.04e-04	1.08e-04	8.20e-04	9.84e-05	0.51	6.11e-02	0.0	0.0
181	96.032	0.010	0.131	2.64e-04	3.17e-05	0.33	3.93e-02	0.17	2.00e-02	0.0	0.0
182	98.429	0.010	0.131	0.02	1.94e-03	6.88e-03	8.24e-04	0.23	2.73e-02	0.0	0.0
183	99.738	0.010	0.131	7.15e-04	8.57e-05	0.03	3.21e-03	1.65	0.2	0.0	0.0
184	100.763	0.010	0.131	1.82e-03	2.18e-04	4.55e-03	5.45e-04	0.67	8.02e-02	0.0	0.0
185	105.099	0.010	0.131	3.76e-04	4.51e-05	1.23e-03	1.48e-04	2.21	0.3	0.0	0.0
186	106.493	0.009	0.131	3.48e-04	4.17e-05	6.15e-04	7.38e-05	5.03	0.6	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
187	107.986	0.009	0.131	4.05e-03	4.85e-04	5.34e-04	6.40e-05	0.87	0.1	0.0	0.0
188	109.584	0.009	0.131	2.34e-05	2.81e-06	0.07	8.39e-03	0.04	4.86e-03	0.0	0.0
189	113.424	0.009	0.131	4.10e-04	4.92e-05	2.59e-04	3.11e-05	0.76	9.08e-02	0.0	0.0
190	116.999	0.009	0.131	1.58e-06	0.0	0.01	1.54e-03	0.04	4.47e-03	0.0	0.0
191	124.081	0.008	0.131	0.04	4.78e-03	3.67e-04	4.40e-05	0.02	2.37e-03	0.0	0.0
192	126.596	0.008	0.131	0.50	5.96e-02	0.06	6.77e-03	1.87e-05	2.24e-06	0.0	0.0
193	132.332	0.008	0.131	8.72e-03	1.05e-03	8.91e-03	1.07e-03	0.42	5.09e-02	0.0	0.0
194	135.337	0.007	0.131	8.78e-03	1.05e-03	6.55e-03	7.85e-04	3.39	0.4	0.0	0.0
195	139.073	0.007	0.131	0.29	3.44e-02	0.25	3.03e-02	3.18e-03	3.82e-04	0.0	0.0
196	146.215	0.007	0.131	4.37e-03	5.24e-04	9.01e-03	1.08e-03	16.85	2.0	0.0	0.0
197	148.882	0.007	0.131	0.09	1.11e-02	0.10	1.15e-02	0.07	8.21e-03	0.0	0.0
198	150.626	0.007	0.131	0.14	1.67e-02	0.02	2.44e-03	0.58	6.99e-02	0.0	0.0
199	154.420	0.006	0.131	0.13	1.60e-02	0.02	1.99e-03	6.71	0.8	0.0	0.0
200	155.716	0.006	0.131	0.17	2.08e-02	0.08	9.19e-03	3.32	0.4	0.0	0.0
201	170.444	0.006	0.131	0.23	2.79e-02	0.08	9.41e-03	0.46	5.56e-02	0.0	0.0
202	173.897	0.006	0.131	5.11e-05	6.12e-06	9.41e-06	1.13e-06	10.96	1.3	0.0	0.0
203	176.806	0.006	0.131	0.03	3.68e-03	0.10	1.22e-02	7.84e-06	0.0	0.0	0.0
204	186.898	0.005	0.131	0.09	1.08e-02	0.03	3.81e-03	0.40	4.74e-02	0.0	0.0
205	192.469	0.005	0.131	6.00e-04	7.19e-05	0.03	3.02e-03	1.26	0.2	0.0	0.0
206	194.554	0.005	0.131	0.05	5.43e-03	0.04	4.24e-03	0.61	7.27e-02	0.0	0.0
207	213.039	0.005	0.131	0.05	6.01e-03	0.01	1.39e-03	0.05	6.27e-03	0.0	0.0
208	219.341	0.005	0.131	4.66e-03	5.59e-04	0.07	8.54e-03	1.71e-03	2.05e-04	0.0	0.0
209	220.784	0.005	0.131	5.15e-04	6.17e-05	6.71e-04	8.05e-05	4.45	0.5	0.0	0.0
210	260.551	0.004	0.131	0.05	6.56e-03	0.05	5.50e-03	0.03	3.48e-03	0.0	0.0
211	263.897	0.004	0.131	3.73e-03	4.47e-04	0.05	5.70e-03	0.28	3.38e-02	0.0	0.0
212	265.546	0.004	0.131	1.32e-03	1.59e-04	3.81e-03	4.56e-04	2.35	0.3	0.0	0.0
213	290.562	0.003	0.131	3.02e-03	3.62e-04	0.07	8.15e-03	1.11e-03	1.33e-04	0.0	0.0
214	304.050	0.003	0.131	0.13	1.61e-02	8.48e-04	1.02e-04	3.05e-03	3.66e-04	0.0	0.0
215	334.211	0.003	0.131	2.17e-03	2.60e-04	1.87e-06	0.0	0.79	9.51e-02	0.0	0.0
216	358.137	0.003	0.131	0.01	1.36e-03	1.92e-04	2.30e-05	0.08	1.01e-02	0.0	0.0
217	385.392	0.003	0.131	2.38e-04	2.86e-05	2.11e-03	2.53e-04	1.34e-03	1.60e-04	0.0	0.0
218	414.062	0.002	0.131	1.03e-04	1.23e-05	1.69e-04	2.02e-05	0.89	0.1	0.0	0.0
219	547.766	0.002	0.131	8.11e-04	9.72e-05	7.17e-04	8.60e-05	0.27	3.26e-02	0.0	0.0
220	559.019	0.002	0.131	3.92e-03	4.71e-04	6.96e-04	8.35e-05	0.15	1.82e-02	0.0	0.0
221	605.067	0.002	0.131	1.46e-04	1.75e-05	3.59e-05	4.30e-06	0.55	6.65e-02	0.0	0.0
222	821.320	0.001	0.131	2.04e-04	2.45e-05	5.40e-04	6.48e-05	3.15e-03	3.78e-04	0.0	0.0
223	915.271	0.001	0.131	5.66e-04	6.79e-05	2.85e-05	3.42e-06	0.08	9.13e-03	0.0	0.0
224	957.242	0.001	0.131	6.01e-05	7.21e-06	9.31e-06	1.12e-06	0.28	3.37e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.343 sec.
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	0.0	0.40	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	0.0	0.54	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	0.0	0.54	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	0.0	0.30	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	0.0	0.54	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	0.0	0.38	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	0.0	0.08	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.861	1.161	0.102	9.51	1.1	4.90e-04	5.87e-05	0.0	0.0	0.0	0.0
2	0.864	1.157	0.102	0.03	3.55e-03	0.0	0.0	5.36e-06	0.0	0.0	0.0
3	1.027	0.974	0.111	1.98e-03	2.37e-04	11.57	1.4	1.17e-05	1.40e-06	0.0	0.0
4	1.032	0.969	0.111	1.41e-04	1.69e-05	0.03	3.16e-03	1.34e-05	1.60e-06	0.0	0.0
5	1.325	0.755	0.133	4.07e-03	4.88e-04	11.19	1.3	1.48e-06	0.0	0.0	0.0
6	1.327	0.754	0.134	1.20e-04	1.43e-05	0.03	3.76e-03	8.08e-06	0.0	0.0	0.0
7	1.418	0.705	0.155	9.81	1.2	8.37e-03	1.00e-03	0.0	0.0	0.0	0.0
8	1.420	0.704	0.155	0.03	3.77e-03	6.58e-06	0.0	6.19e-06	0.0	0.0	0.0
9	1.512	0.662	0.180	2.14e-06	0.0	3.66	0.4	0.0	0.0	0.0	0.0
10	1.589	0.629	0.209	6.06	0.7	2.21e-06	0.0	1.43e-05	1.71e-06	0.0	0.0
11	1.597	0.626	0.212	0.01	1.47e-03	1.40e-04	1.68e-05	1.37e-05	1.64e-06	0.0	0.0
12	2.221	0.450	0.293	1.26	0.2	12.60	1.5	2.46e-04	2.94e-05	0.0	0.0
13	2.359	0.424	0.294	183.63	22.0	340.08	40.8	0.04	4.85e-03	0.0	0.0
14	2.912	0.343	0.344	267.98	32.1	179.85	21.6	0.02	2.09e-03	0.0	0.0
15	3.536	0.283	0.397	13.68	1.6	0.49	5.87e-02	2.73e-03	3.28e-04	0.0	0.0
16	3.577	0.280	0.395	66.91	8.0	19.43	2.3	1.40e-04	1.68e-05	0.0	0.0
17	4.084	0.245	0.396	0.52	6.28e-02	0.03	4.19e-03	0.03	3.08e-03	0.0	0.0
18	4.258	0.235	0.369	3.42e-03	4.10e-04	18.09	2.2	2.19e-04	2.63e-05	0.0	0.0
19	4.274	0.234	0.366	0.04	4.99e-03	2.29	0.3	1.16e-03	1.39e-04	0.0	0.0
20	4.379	0.228	0.344	0.15	1.74e-02	45.56	5.5	0.12	1.40e-02	0.0	0.0
21	5.176	0.193	0.279	24.26	2.9	0.03	3.35e-03	0.23	2.73e-02	0.0	0.0
22	5.588	0.179	0.269	16.37	2.0	1.21e-04	1.45e-05	1.80e-05	2.15e-06	0.0	0.0
23	5.839	0.171	0.264	4.10e-03	4.92e-04	0.16	1.96e-02	2.29e-03	2.74e-04	0.0	0.0
24	5.946	0.168	0.262	3.71	0.4	10.33	1.2	3.98e-03	4.77e-04	0.0	0.0
25	6.399	0.156	0.253	2.28	0.3	1.39	0.2	4.49e-03	5.39e-04	0.0	0.0
26	6.827	0.146	0.245	1.00	0.1	0.06	6.64e-03	1.48e-03	1.77e-04	0.0	0.0
27	6.990	0.143	0.242	28.70	3.4	1.01	0.1	0.04	4.65e-03	0.0	0.0
28	7.200	0.139	0.238	0.14	1.63e-02	4.69	0.6	1.40e-03	1.68e-04	0.0	0.0
29	7.388	0.135	0.234	42.71	5.1	0.76	9.11e-02	0.13	1.61e-02	0.0	0.0
30	7.837	0.128	0.226	0.14	1.68e-02	24.16	2.9	0.02	2.50e-03	0.0	0.0
31	8.065	0.124	0.222	1.63	0.2	2.84	0.3	0.08	9.09e-03	0.0	0.0
32	8.349	0.120	0.219	0.35	4.19e-02	0.84	0.1	1.03	0.1	0.0	0.0
33	8.412	0.119	0.220	15.49	1.9	9.75	1.2	0.08	1.02e-02	0.0	0.0
34	8.806	0.114	0.230	2.94	0.4	25.01	3.0	0.10	1.20e-02	0.0	0.0
35	8.989	0.111	0.234	3.98	0.5	0.04	5.39e-03	0.11	1.32e-02	0.0	0.0
36	9.404	0.106	0.243	1.08	0.1	2.05	0.2	7.44e-03	8.92e-04	0.0	0.0
37	9.856	0.101	0.252	7.00	0.8	0.25	2.96e-02	0.93	0.1	0.0	0.0
38	10.044	0.100	0.253	4.92	0.6	0.02	1.81e-03	2.18	0.3	0.0	0.0
39	10.181	0.098	0.250	6.11	0.7	0.19	2.27e-02	1.68	0.2	0.0	0.0
40	10.468	0.096	0.244	6.02e-04	7.21e-05	0.58	6.93e-02	7.19e-03	8.62e-04	0.0	0.0
41	10.818	0.092	0.237	2.06	0.2	2.13	0.3	0.02	2.01e-03	0.0	0.0
42	11.615	0.086	0.223	2.55e-04	3.06e-05	5.51	0.7	8.46e-04	1.01e-04	0.0	0.0
43	12.166	0.082	0.214	0.04	4.72e-03	4.15	0.5	4.29e-03	5.14e-04	0.0	0.0
44	12.425	0.080	0.210	15.70	1.9	6.61	0.8	9.23	1.1	0.0	0.0
45	12.492	0.080	0.209	6.03	0.7	2.62	0.3	26.50	3.2	0.0	0.0
46	13.128	0.076	0.200	3.92	0.5	0.44	5.30e-02	2.69e-03	3.23e-04	0.0	0.0
47	13.415	0.075	0.196	0.39	4.68e-02	1.39	0.2	0.27	3.28e-02	0.0	0.0
48	13.599	0.074	0.193	0.72	8.66e-02	7.45	0.9	3.19e-04	3.83e-05	0.0	0.0
49	13.880	0.072	0.190	0.40	4.84e-02	2.00	0.2	0.11	1.32e-02	0.0	0.0
50	14.317	0.070	0.185	0.02	2.60e-03	0.15	1.76e-02	0.54	6.51e-02	0.0	0.0
51	14.515	0.069	0.183	4.71e-03	5.64e-04	2.89	0.3	0.14	1.69e-02	0.0	0.0
52	14.715	0.068	0.180	4.81e-03	5.77e-04	0.35	4.24e-02	5.33	0.6	0.0	0.0
53	14.906	0.067	0.178	0.40	4.77e-02	0.08	9.85e-03	0.02	2.78e-03	0.0	0.0
54	15.141	0.066	0.176	0.36	4.30e-02	0.03	3.11e-03	0.15	1.86e-02	0.0	0.0
55	15.302	0.065	0.174	0.03	3.51e-03	0.61	7.35e-02	1.76	0.2	0.0	0.0
56	15.349	0.065	0.174	0.12	1.38e-02	0.01	1.26e-03	6.36	0.8	0.0	0.0
57	15.401	0.065	0.173	0.07	8.44e-03	0.48	5.79e-02	0.88	0.1	0.0	0.0
58	15.541	0.064	0.172	0.98	0.1	5.60	0.7	0.01	1.29e-03	0.0	0.0
59	15.635	0.064	0.171	3.14	0.4	1.67	0.2	0.01	1.26e-03	0.0	0.0
60	15.829	0.063	0.169	4.15	0.5	2.01	0.2	2.10e-03	2.52e-04	0.0	0.0
61	16.091	0.062	0.167	0.92	0.1	6.56e-04	7.86e-05	2.48e-04	2.97e-05	0.0	0.0
62	16.154	0.062	0.166	0.38	4.60e-02	5.59	0.7	0.08	9.29e-03	0.0	0.0
63	16.336	0.061	0.165	1.14	0.1	0.31	3.74e-02	0.01	1.29e-03	0.0	0.0
64	16.593	0.060	0.162	0.08	9.82e-03	0.56	6.71e-02	10.50	1.3	0.0	0.0
65	16.742	0.060	0.161	2.71	0.3	10.43	1.3	0.80	9.60e-02	0.0	0.0
66	16.774	0.060	0.161	6.19	0.7	0.42	5.08e-02	0.02	2.13e-03	0.0	0.0
67	17.498	0.057	0.158	0.89	0.1	1.11	0.1	0.19	2.25e-02	0.0	0.0
68	17.726	0.056	0.157	1.46	0.2	0.09	1.04e-02	1.26	0.2	0.0	0.0
69	17.963	0.056	0.156	0.27	3.30e-02	2.90	0.3	2.93e-05	3.51e-06	0.0	0.0
70	18.272	0.055	0.155	0.28	3.30e-02	0.03	3.28e-03	0.06	6.97e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
71	18.423	0.054	0.154	6.45	0.8	0.27	3.20e-02	1.60	0.2	0.0	0.0
72	18.554	0.054	0.154	2.64	0.3	0.03	3.72e-03	0.06	7.31e-03	0.0	0.0
73	18.887	0.053	0.152	1.05	0.1	5.14	0.6	5.45	0.7	0.0	0.0
74	18.931	0.053	0.152	1.16	0.1	0.25	3.03e-02	2.61	0.3	0.0	0.0
75	18.973	0.053	0.152	2.49	0.3	0.79	9.47e-02	0.69	8.22e-02	0.0	0.0
76	19.748	0.051	0.149	1.03	0.1	1.05	0.1	0.08	9.20e-03	0.0	0.0
77	20.317	0.049	0.147	0.14	1.68e-02	0.07	8.50e-03	3.36	0.4	0.0	0.0
78	20.521	0.049	0.147	0.26	3.12e-02	0.09	1.11e-02	17.79	2.1	0.0	0.0
79	21.792	0.046	0.143	0.26	3.16e-02	1.49	0.2	1.00	0.1	0.0	0.0
80	22.111	0.045	0.142	0.27	3.26e-02	0.44	5.22e-02	3.37	0.4	0.0	0.0
81	22.382	0.045	0.141	2.31e-03	2.77e-04	0.29	3.44e-02	20.14	2.4	0.0	0.0
82	23.168	0.043	0.139	2.23e-03	2.67e-04	0.11	1.30e-02	10.93	1.3	0.0	0.0
83	23.859	0.042	0.137	0.53	6.37e-02	8.81e-03	1.06e-03	0.53	6.36e-02	0.0	0.0
84	23.937	0.042	0.137	1.22	0.1	7.31e-03	8.77e-04	1.46e-03	1.75e-04	0.0	0.0
85	24.883	0.040	0.135	0.05	6.05e-03	1.94	0.2	0.02	1.84e-03	0.0	0.0
86	25.292	0.040	0.135	0.06	7.65e-03	1.19e-03	1.43e-04	0.01	1.31e-03	0.0	0.0
87	25.399	0.039	0.135	8.67e-04	1.04e-04	0.17	2.00e-02	0.22	2.61e-02	0.0	0.0
88	25.611	0.039	0.134	0.47	5.63e-02	1.10e-03	1.32e-04	0.01	1.52e-03	0.0	0.0
89	25.813	0.039	0.134	0.05	6.48e-03	0.04	4.61e-03	3.28	0.4	0.0	0.0
90	26.298	0.038	0.134	5.01e-03	6.00e-04	4.49e-03	5.39e-04	0.02	1.99e-03	0.0	0.0
91	26.377	0.038	0.134	0.02	2.98e-03	0.02	1.92e-03	1.22	0.1	0.0	0.0
92	26.904	0.037	0.134	1.43	0.2	1.91e-03	2.29e-04	0.12	1.39e-02	0.0	0.0
93	27.250	0.037	0.134	2.30	0.3	0.03	3.91e-03	0.04	4.68e-03	0.0	0.0
94	28.108	0.036	0.134	4.75e-03	5.69e-04	2.21e-04	2.65e-05	12.88	1.5	0.0	0.0
95	28.247	0.035	0.134	5.72e-03	6.86e-04	8.85e-03	1.06e-03	49.86	6.0	0.0	0.0
96	28.764	0.035	0.134	3.20e-03	3.84e-04	0.02	2.09e-03	0.23	2.76e-02	0.0	0.0
97	29.052	0.034	0.134	0.91	0.1	8.58e-03	1.03e-03	0.03	3.07e-03	0.0	0.0
98	29.480	0.034	0.133	5.71	0.7	0.56	6.72e-02	0.07	8.05e-03	0.0	0.0
99	30.026	0.033	0.133	1.22	0.1	0.02	2.69e-03	0.05	6.48e-03	0.0	0.0
100	30.480	0.033	0.133	1.56	0.2	0.68	8.13e-02	0.03	3.26e-03	0.0	0.0
101	31.261	0.032	0.133	0.22	2.69e-02	0.39	4.65e-02	0.01	1.55e-03	0.0	0.0
102	31.768	0.031	0.133	0.01	1.24e-03	3.50e-05	4.19e-06	4.71	0.6	0.0	0.0
103	34.495	0.029	0.132	8.73e-05	1.05e-05	0.01	1.34e-03	10.91	1.3	0.0	0.0
104	36.131	0.028	0.132	4.21	0.5	0.03	3.46e-03	2.39	0.3	0.0	0.0
105	36.252	0.028	0.132	0.06	7.04e-03	9.11e-05	1.09e-05	4.79	0.6	0.0	0.0
106	36.325	0.028	0.132	0.03	3.25e-03	0.14	1.66e-02	0.43	5.13e-02	0.0	0.0
107	36.582	0.027	0.132	0.26	3.16e-02	2.24e-05	2.69e-06	0.06	6.81e-03	0.0	0.0
108	36.960	0.027	0.132	1.52e-03	1.82e-04	1.76e-04	2.10e-05	26.20	3.1	0.0	0.0
109	37.283	0.027	0.132	0.01	1.44e-03	0.44	5.22e-02	0.09	1.13e-02	0.0	0.0
110	37.373	0.027	0.132	4.47e-05	5.36e-06	0.01	1.59e-03	3.18e-03	3.81e-04	0.0	0.0
111	37.505	0.027	0.132	0.03	3.90e-03	7.49e-03	8.98e-04	0.01	1.28e-03	0.0	0.0
112	37.765	0.026	0.132	0.16	1.96e-02	7.10e-03	8.51e-04	0.01	1.67e-03	0.0	0.0
113	40.397	0.025	0.131	0.02	1.93e-03	1.50e-06	0.0	0.02	2.97e-03	0.0	0.0
114	41.206	0.024	0.131	4.58e-05	5.49e-06	5.26e-04	6.31e-05	59.81	7.2	0.0	0.0
115	41.390	0.024	0.131	3.12e-06	0.0	5.89e-03	7.07e-04	0.02	2.66e-03	0.0	0.0
116	41.710	0.024	0.131	0.02	2.11e-03	9.08e-03	1.09e-03	1.02	0.1	0.0	0.0
117	41.755	0.024	0.131	0.01	1.47e-03	0.03	3.45e-03	16.91	2.0	0.0	0.0
118	41.983	0.024	0.131	6.70e-03	8.04e-04	3.61e-03	4.33e-04	4.24e-03	5.08e-04	0.0	0.0
119	42.377	0.024	0.131	3.70e-03	4.44e-04	9.84e-03	1.18e-03	0.03	3.16e-03	0.0	0.0
120	43.209	0.023	0.131	0.25	2.95e-02	1.83	0.2	0.03	3.06e-03	0.0	0.0
121	45.601	0.022	0.131	8.33e-06	0.0	6.25e-06	0.0	0.45	5.37e-02	0.0	0.0
122	46.203	0.022	0.131	9.45	1.1	5.05e-05	6.05e-06	6.16e-03	7.38e-04	0.0	0.0
123	46.318	0.022	0.131	3.66e-03	4.38e-04	0.02	2.90e-03	39.48	4.7	0.0	0.0
124	46.459	0.022	0.131	1.55e-03	1.86e-04	0.04	4.32e-03	6.44	0.8	0.0	0.0
125	46.615	0.021	0.131	0.10	1.22e-02	2.07	0.2	0.02	1.95e-03	0.0	0.0
126	46.898	0.021	0.131	1.41e-03	1.69e-04	0.05	5.99e-03	11.63	1.4	0.0	0.0
127	47.384	0.021	0.131	3.50e-05	4.20e-06	0.03	3.78e-03	13.51	1.6	0.0	0.0
128	48.627	0.021	0.131	1.75e-06	0.0	8.08	1.0	2.24e-03	2.68e-04	0.0	0.0
129	49.254	0.020	0.131	1.74e-04	2.09e-05	0.01	1.30e-03	99.91	12.0	0.0	0.0
130	49.698	0.020	0.131	6.63e-04	7.95e-05	4.44e-03	5.32e-04	3.20	0.4	0.0	0.0
131	50.832	0.020	0.131	0.01	1.23e-03	0.12	1.40e-02	28.20	3.4	0.0	0.0
132	52.821	0.019	0.131	1.07e-06	0.0	3.61e-06	0.0	37.18	4.5	0.0	0.0
133	53.441	0.019	0.131	2.05e-03	2.46e-04	0.03	3.06e-03	1.42	0.2	0.0	0.0
134	53.535	0.019	0.131	8.72e-04	1.05e-04	0.0	0.0	16.14	1.9	0.0	0.0
135	54.065	0.018	0.131	0.0	0.0	3.54e-03	4.24e-04	16.74	2.0	0.0	0.0
136	54.247	0.018	0.131	0.0	0.0	0.07	7.99e-03	3.73e-06	0.0	0.0	0.0
137	54.537	0.018	0.131	4.33e-05	5.19e-06	4.50e-05	5.39e-06	0.01	1.73e-03	0.0	0.0
138	54.633	0.018	0.131	0.08	9.49e-03	1.70e-06	0.0	2.03e-05	2.43e-06	0.0	0.0
139	54.975	0.018	0.131	5.20e-03	6.23e-04	0.03	3.12e-03	28.58	3.4	0.0	0.0
140	55.358	0.018	0.131	3.83e-05	4.59e-06	1.32e-04	1.58e-05	2.91e-03	3.49e-04	0.0	0.0
141	56.771	0.018	0.131	7.44	0.9	1.44e-05	1.73e-06	5.61	0.7	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
142	56.847	0.018	0.131	0.07	8.65e-03	1.92e-03	2.30e-04	0.04	5.04e-03	0.0	0.0
143	58.241	0.017	0.131	0.0	0.0	7.22	0.9	5.16	0.6	0.0	0.0
144	58.986	0.017	0.131	0.02	1.95e-03	1.90e-04	2.27e-05	4.31	0.5	0.0	0.0
145	59.089	0.017	0.131	0.09	1.13e-02	2.21e-03	2.65e-04	30.35	3.6	0.0	0.0
146	59.446	0.017	0.131	6.32e-04	7.58e-05	7.70e-04	9.23e-05	0.03	3.51e-03	0.0	0.0
147	60.688	0.016	0.131	1.37e-04	1.64e-05	1.34e-05	1.60e-06	11.20	1.3	0.0	0.0
148	60.699	0.016	0.131	1.61e-06	0.0	3.44e-03	4.13e-04	13.73	1.6	0.0	0.0
149	61.146	0.016	0.131	6.08e-03	7.29e-04	9.67e-05	1.16e-05	5.70e-03	6.84e-04	0.0	0.0
150	61.315	0.016	0.131	0.28	3.37e-02	0.0	0.0	9.10e-04	1.09e-04	0.0	0.0
151	61.696	0.016	0.131	4.44e-04	5.32e-05	2.16e-06	0.0	17.34	2.1	0.0	0.0
152	61.734	0.016	0.131	1.89e-06	0.0	2.36e-04	2.83e-05	10.12	1.2	0.0	0.0
153	63.119	0.016	0.131	9.15e-06	1.10e-06	0.23	2.81e-02	0.02	2.94e-03	0.0	0.0
154	63.806	0.016	0.131	1.24	0.1	0.02	2.85e-03	3.48	0.4	0.0	0.0
155	65.100	0.015	0.131	0.47	5.63e-02	0.05	5.72e-03	1.59	0.2	0.0	0.0
156	67.164	0.015	0.131	6.25e-04	7.49e-05	6.36e-04	7.63e-05	0.05	6.30e-03	0.0	0.0
157	69.045	0.014	0.131	1.33e-04	1.60e-05	5.93e-04	7.11e-05	0.16	1.93e-02	0.0	0.0
158	70.227	0.014	0.131	1.45e-04	1.73e-05	0.02	1.94e-03	1.46e-03	1.74e-04	0.0	0.0
159	70.283	0.014	0.131	4.84e-05	5.80e-06	9.90e-04	1.19e-04	0.03	3.06e-03	0.0	0.0
160	70.439	0.014	0.131	2.43e-03	2.91e-04	2.15e-03	2.58e-04	0.30	3.59e-02	0.0	0.0
161	70.924	0.014	0.131	7.20e-04	8.64e-05	0.02	2.88e-03	0.07	8.08e-03	0.0	0.0
162	73.302	0.014	0.131	1.53e-03	1.84e-04	4.76e-04	5.71e-05	0.31	3.69e-02	0.0	0.0
163	75.105	0.013	0.131	0.18	2.17e-02	1.06e-03	1.27e-04	0.04	4.30e-03	0.0	0.0
164	75.535	0.013	0.131	2.22e-03	2.66e-04	0.09	1.08e-02	1.13e-03	1.35e-04	0.0	0.0
165	76.168	0.013	0.131	0.05	5.61e-03	0.0	0.0	0.21	2.48e-02	0.0	0.0
166	77.266	0.013	0.131	0.01	1.38e-03	4.02e-05	4.82e-06	0.61	7.33e-02	0.0	0.0
167	78.566	0.013	0.131	1.90e-03	2.28e-04	0.16	1.86e-02	0.02	2.20e-03	0.0	0.0
168	78.886	0.013	0.131	4.24e-03	5.08e-04	0.04	5.32e-03	0.06	7.62e-03	0.0	0.0
169	79.895	0.013	0.131	2.85e-04	3.42e-05	7.60e-04	9.11e-05	15.54	1.9	0.0	0.0
170	81.514	0.012	0.131	0.02	2.67e-03	2.03e-03	2.44e-04	0.63	7.58e-02	0.0	0.0
171	82.381	0.012	0.131	0.04	5.32e-03	7.09e-03	8.50e-04	8.60e-03	1.03e-03	0.0	0.0
172	83.160	0.012	0.131	0.01	1.20e-03	0.26	3.07e-02	0.67	8.03e-02	0.0	0.0
173	83.572	0.012	0.131	1.72e-04	2.06e-05	0.03	3.64e-03	4.13	0.5	0.0	0.0
174	85.679	0.012	0.131	6.99e-04	8.38e-05	0.02	2.81e-03	0.87	0.1	0.0	0.0
175	86.550	0.012	0.131	2.64e-03	3.16e-04	6.15e-04	7.37e-05	0.01	1.42e-03	0.0	0.0
176	87.925	0.011	0.131	4.50e-04	5.39e-05	2.43e-04	2.92e-05	0.77	9.21e-02	0.0	0.0
177	89.837	0.011	0.131	1.28e-04	1.54e-05	0.29	3.49e-02	0.80	9.62e-02	0.0	0.0
178	91.817	0.011	0.131	4.00e-06	0.0	0.02	2.54e-03	0.43	5.12e-02	0.0	0.0
179	92.504	0.011	0.131	0.05	6.37e-03	2.27e-05	2.72e-06	4.98e-04	5.97e-05	0.0	0.0
180	94.908	0.011	0.131	2.53e-04	3.03e-05	0.06	7.59e-03	0.32	3.81e-02	0.0	0.0
181	95.969	0.010	0.131	2.44e-03	2.92e-04	0.17	2.02e-02	0.22	2.60e-02	0.0	0.0
182	96.495	0.010	0.131	3.83e-03	4.59e-04	0.08	1.01e-02	0.27	3.26e-02	0.0	0.0
183	98.897	0.010	0.131	6.78e-03	8.13e-04	0.06	6.72e-03	0.86	0.1	0.0	0.0
184	101.746	0.010	0.131	7.19e-03	8.62e-04	4.06e-04	4.87e-05	0.02	2.54e-03	0.0	0.0
185	102.382	0.010	0.131	1.17e-03	1.40e-04	2.74e-03	3.29e-04	3.52	0.4	0.0	0.0
186	106.161	0.009	0.131	2.05e-05	2.46e-06	7.43e-04	8.91e-05	6.84	0.8	0.0	0.0
187	108.325	0.009	0.131	1.08e-03	1.29e-04	0.02	2.40e-03	0.20	2.45e-02	0.0	0.0
188	109.147	0.009	0.131	5.95e-03	7.13e-04	0.01	1.62e-03	0.02	2.86e-03	0.0	0.0
189	110.192	0.009	0.131	3.00e-04	3.59e-05	0.04	4.65e-03	0.02	2.12e-03	0.0	0.0
190	116.664	0.009	0.131	1.43e-05	1.72e-06	0.01	1.51e-03	0.03	4.09e-03	0.0	0.0
191	131.822	0.008	0.131	0.05	6.46e-03	0.14	1.67e-02	0.09	1.07e-02	0.0	0.0
192	133.378	0.007	0.131	0.02	1.90e-03	5.72e-03	6.86e-04	2.43	0.3	0.0	0.0
193	134.034	0.007	0.131	0.08	9.20e-03	6.24e-03	7.48e-04	0.54	6.43e-02	0.0	0.0
194	138.009	0.007	0.131	0.87	0.1	0.04	4.48e-03	2.63e-04	3.15e-05	0.0	0.0
195	142.511	0.007	0.131	1.64e-03	1.97e-04	0.11	1.32e-02	0.32	3.80e-02	0.0	0.0
196	145.363	0.007	0.131	0.07	8.19e-03	8.20e-04	9.83e-05	13.09	1.6	0.0	0.0
197	147.820	0.007	0.131	0.29	3.46e-02	5.21e-04	6.25e-05	2.85	0.3	0.0	0.0
198	148.815	0.007	0.131	8.07e-04	9.67e-05	0.21	2.49e-02	3.65	0.4	0.0	0.0
199	155.182	0.006	0.131	7.42e-03	8.89e-04	7.08e-03	8.49e-04	6.72	0.8	0.0	0.0
200	163.922	0.006	0.131	0.26	3.10e-02	1.96e-04	2.35e-05	1.86	0.2	0.0	0.0
201	169.436	0.006	0.131	0.04	5.39e-03	0.14	1.64e-02	0.03	4.18e-03	0.0	0.0
202	171.814	0.006	0.131	6.50e-05	7.79e-06	1.80e-03	2.16e-04	10.66	1.3	0.0	0.0
203	176.815	0.006	0.131	0.12	1.39e-02	0.04	4.71e-03	0.17	2.05e-02	0.0	0.0
204	186.020	0.005	0.131	0.01	1.69e-03	0.09	1.12e-02	0.08	1.00e-02	0.0	0.0
205	190.897	0.005	0.131	0.02	2.55e-03	0.01	1.49e-03	1.86	0.2	0.0	0.0
206	196.704	0.005	0.131	0.02	2.26e-03	6.37e-03	7.64e-04	1.05	0.1	0.0	0.0
207	215.931	0.005	0.131	2.54e-03	3.05e-04	0.09	1.03e-02	0.02	2.32e-03	0.0	0.0
208	218.856	0.005	0.131	0.02	1.91e-03	1.39e-03	1.67e-04	1.60	0.2	0.0	0.0
209	222.904	0.004	0.131	4.66e-03	5.59e-04	1.08e-03	1.30e-04	2.66	0.3	0.0	0.0
210	258.051	0.004	0.131	1.54e-03	1.85e-04	0.08	9.55e-03	5.33e-03	6.39e-04	0.0	0.0
211	265.171	0.004	0.131	8.27e-04	9.92e-05	1.18e-04	1.41e-05	2.64	0.3	0.0	0.0
212	268.414	0.004	0.131	0.16	1.95e-02	0.02	1.92e-03	0.03	3.87e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
213	287.969	0.003	0.131	6.84e-04	8.20e-05	0.07	8.44e-03	0.01	1.61e-03	0.0	0.0
214	297.834	0.003	0.131	0.05	6.39e-03	4.02e-03	4.82e-04	0.03	3.36e-03	0.0	0.0
215	336.937	0.003	0.131	3.17e-03	3.80e-04	6.60e-05	7.91e-06	0.79	9.42e-02	0.0	0.0
216	358.220	0.003	0.131	8.48e-03	1.02e-03	3.68e-04	4.42e-05	0.07	8.62e-03	0.0	0.0
217	365.264	0.003	0.131	8.44e-05	1.01e-05	2.79e-03	3.34e-04	8.20e-03	9.83e-04	0.0	0.0
218	414.199	0.002	0.131	2.52e-04	3.03e-05	1.27e-04	1.52e-05	0.86	0.1	0.0	0.0
219	532.783	0.002	0.131	7.71e-06	0.0	1.37e-03	1.64e-04	0.07	8.86e-03	0.0	0.0
220	556.697	0.002	0.131	4.42e-03	5.29e-04	1.09e-04	1.31e-05	0.46	5.49e-02	0.0	0.0
221	617.044	0.002	0.131	4.15e-04	4.98e-05	7.49e-05	8.98e-06	0.46	5.53e-02	0.0	0.0
222	806.750	0.001	0.131	1.47e-04	1.77e-05	6.21e-04	7.44e-05	3.27e-05	3.92e-06	0.0	0.0
223	934.000	0.001	0.131	5.91e-04	7.08e-05	1.10e-05	1.32e-06	0.04	4.85e-03	0.0	0.0
224	954.690	0.001	0.131	2.43e-05	2.91e-06	9.66e-06	1.16e-06	0.31	3.73e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.425 sec.
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	0.40	0.0	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	0.54	0.0	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	0.54	0.0	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	0.30	0.0	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	0.54	0.0	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	0.38	0.0	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	0.08	0.0	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.843	1.187	0.102	9.92	1.2	2.64e-04	3.17e-05	0.0	0.0	0.0	0.0
2	0.846	1.182	0.102	0.03	3.69e-03	0.0	0.0	5.14e-06	0.0	0.0	0.0
3	1.006	0.994	0.110	1.86e-03	2.23e-04	12.09	1.4	1.13e-05	1.35e-06	0.0	0.0
4	1.011	0.989	0.110	1.08e-04	1.30e-05	0.03	3.25e-03	1.28e-05	1.54e-06	0.0	0.0
5	1.248	0.801	0.125	2.44e-03	2.92e-04	12.29	1.5	1.54e-06	0.0	0.0	0.0
6	1.249	0.800	0.125	7.52e-05	9.02e-06	0.04	4.23e-03	7.08e-06	0.0	0.0	0.0
7	1.325	0.755	0.133	10.93	1.3	4.89e-03	5.86e-04	0.0	0.0	0.0	0.0
8	1.327	0.754	0.134	0.04	4.29e-03	2.98e-06	0.0	5.34e-06	0.0	0.0	0.0
9	1.443	0.693	0.161	5.76e-06	0.0	4.03	0.5	0.0	0.0	0.0	0.0
10	1.510	0.662	0.179	6.74	0.8	2.40e-06	0.0	1.32e-05	1.58e-06	0.0	0.0
11	1.517	0.659	0.182	0.01	1.60e-03	7.62e-05	9.13e-06	1.24e-05	1.49e-06	0.0	0.0
12	2.119	0.472	0.300	0.36	4.34e-02	9.19	1.1	6.64e-05	7.97e-06	0.0	0.0
13	2.354	0.425	0.294	175.86	21.1	356.13	42.7	0.04	4.54e-03	0.0	0.0
14	2.960	0.338	0.356	276.91	33.2	174.79	21.0	0.02	1.81e-03	0.0	0.0
15	3.405	0.294	0.409	79.22	9.5	17.22	2.1	5.22e-04	6.25e-05	0.0	0.0
16	3.539	0.283	0.397	2.77	0.3	0.25	3.01e-02	6.07e-03	7.28e-04	0.0	0.0
17	3.963	0.252	0.408	6.55e-03	7.85e-04	22.82	2.7	5.70e-04	6.84e-05	0.0	0.0
18	3.989	0.251	0.405	5.39e-03	6.46e-04	0.11	1.27e-02	0.02	1.81e-03	0.0	0.0
19	4.200	0.238	0.381	0.07	8.02e-03	1.45	0.2	3.04e-05	3.64e-06	0.0	0.0
20	4.920	0.203	0.288	0.26	3.11e-02	36.80	4.4	0.17	2.07e-02	0.0	0.0
21	5.141	0.195	0.280	19.21	2.3	7.72e-05	9.26e-06	1.91e-05	2.29e-06	0.0	0.0
22	5.575	0.179	0.269	12.19	1.5	1.92	0.2	0.25	2.95e-02	0.0	0.0
23	5.830	0.172	0.264	7.92	0.9	2.43	0.3	0.05	5.87e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
24	5.895	0.170	0.262	4.78	0.6	10.19	1.2	0.02	1.84e-03	0.0	0.0
25	6.497	0.154	0.251	2.83	0.3	0.48	5.76e-02	0.01	1.27e-03	0.0	0.0
26	6.797	0.147	0.245	8.71	1.0	0.05	5.58e-03	0.01	1.22e-03	0.0	0.0
27	6.949	0.144	0.242	24.70	3.0	2.58	0.3	0.05	5.42e-03	0.0	0.0
28	7.155	0.140	0.239	2.62	0.3	7.42	0.9	1.53e-03	1.83e-04	0.0	0.0
29	7.399	0.135	0.234	34.24	4.1	0.31	3.73e-02	0.09	1.06e-02	0.0	0.0
30	7.787	0.128	0.227	0.45	5.35e-02	17.57	2.1	1.60e-03	1.92e-04	0.0	0.0
31	8.013	0.125	0.223	7.04	0.8	12.90	1.5	4.31e-04	5.17e-05	0.0	0.0
32	8.385	0.119	0.220	16.28	2.0	0.44	5.30e-02	0.06	6.75e-03	0.0	0.0
33	8.636	0.116	0.226	2.22	0.3	7.52	0.9	0.07	8.87e-03	0.0	0.0
34	9.021	0.111	0.235	0.89	0.1	0.85	0.1	0.19	2.28e-02	0.0	0.0
35	9.062	0.110	0.236	1.68	0.2	4.39	0.5	0.60	7.23e-02	0.0	0.0
36	9.392	0.106	0.243	0.21	2.58e-02	17.31	2.1	1.19	0.1	0.0	0.0
37	9.781	0.102	0.250	0.26	3.11e-02	0.01	1.65e-03	0.03	3.72e-03	0.0	0.0
38	10.391	0.096	0.246	10.30	1.2	0.01	1.57e-03	2.35	0.3	0.0	0.0
39	10.495	0.095	0.244	0.07	8.46e-03	0.29	3.42e-02	0.02	2.48e-03	0.0	0.0
40	10.675	0.094	0.240	5.45	0.7	0.06	7.27e-03	3.46	0.4	0.0	0.0
41	10.743	0.093	0.238	1.41	0.2	0.95	0.1	0.03	4.08e-03	0.0	0.0
42	11.433	0.087	0.226	2.26e-03	2.71e-04	5.66	0.7	4.89e-04	5.86e-05	0.0	0.0
43	12.081	0.083	0.215	7.00e-03	8.39e-04	4.49	0.5	2.38e-03	2.86e-04	0.0	0.0
44	12.465	0.080	0.209	0.25	3.00e-02	0.27	3.21e-02	34.76	4.2	0.0	0.0
45	12.868	0.078	0.203	14.26	1.7	13.70	1.6	0.83	9.91e-02	0.0	0.0
46	13.196	0.076	0.199	6.46	0.8	0.01	1.21e-03	0.01	1.45e-03	0.0	0.0
47	13.476	0.074	0.195	2.69	0.3	0.94	0.1	0.10	1.19e-02	0.0	0.0
48	13.824	0.072	0.191	0.68	8.14e-02	0.51	6.14e-02	0.41	4.90e-02	0.0	0.0
49	14.022	0.071	0.188	1.52	0.2	2.38	0.3	0.13	1.51e-02	0.0	0.0
50	14.527	0.069	0.182	7.69	0.9	0.28	3.34e-02	0.06	7.56e-03	0.0	0.0
51	14.747	0.068	0.180	0.35	4.22e-02	3.02	0.4	0.14	1.68e-02	0.0	0.0
52	15.061	0.066	0.177	0.41	4.87e-02	0.43	5.17e-02	3.56e-04	4.27e-05	0.0	0.0
53	15.201	0.066	0.175	0.14	1.72e-02	1.34e-03	1.61e-04	0.03	3.94e-03	0.0	0.0
54	15.286	0.065	0.174	3.21	0.4	0.51	6.16e-02	9.83e-05	1.18e-05	0.0	0.0
55	15.422	0.065	0.173	0.08	9.83e-03	1.33	0.2	0.36	4.32e-02	0.0	0.0
56	15.622	0.064	0.171	1.42	0.2	1.12	0.1	0.72	8.63e-02	0.0	0.0
57	15.710	0.064	0.170	0.22	2.69e-02	5.49	0.7	2.88	0.3	0.0	0.0
58	15.735	0.064	0.170	1.43	0.2	5.04	0.6	0.57	6.85e-02	0.0	0.0
59	15.903	0.063	0.169	1.15	0.1	4.54	0.5	2.46	0.3	0.0	0.0
60	16.151	0.062	0.166	3.21	0.4	3.63	0.4	0.01	1.30e-03	0.0	0.0
61	16.330	0.061	0.165	2.48	0.3	3.27	0.4	0.50	5.95e-02	0.0	0.0
62	16.375	0.061	0.164	0.83	9.90e-02	0.42	5.05e-02	9.36	1.1	0.0	0.0
63	16.487	0.061	0.163	5.55e-04	6.66e-05	1.49	0.2	0.09	1.13e-02	0.0	0.0
64	16.623	0.060	0.162	3.65e-04	4.38e-05	0.04	4.60e-03	0.53	6.36e-02	0.0	0.0
65	16.804	0.060	0.161	0.54	6.45e-02	0.16	1.88e-02	0.07	8.34e-03	0.0	0.0
66	17.213	0.058	0.159	2.89	0.3	0.16	1.87e-02	1.27	0.2	0.0	0.0
67	17.332	0.058	0.159	0.06	6.73e-03	2.73	0.3	13.23	1.6	0.0	0.0
68	18.114	0.055	0.155	0.68	8.13e-02	3.00	0.4	0.02	2.66e-03	0.0	0.0
69	18.338	0.055	0.154	0.42	5.09e-02	0.01	1.31e-03	0.81	9.68e-02	0.0	0.0
70	18.464	0.054	0.154	1.63	0.2	0.20	2.37e-02	0.75	9.04e-02	0.0	0.0
71	18.594	0.054	0.153	0.15	1.84e-02	0.01	1.49e-03	0.12	1.45e-02	0.0	0.0
72	19.022	0.053	0.152	6.99	0.8	0.02	2.47e-03	8.04	1.0	0.0	0.0
73	19.332	0.052	0.151	0.14	1.67e-02	4.99	0.6	8.37	1.0	0.0	0.0
74	19.439	0.051	0.150	1.81	0.2	0.22	2.59e-02	0.10	1.18e-02	0.0	0.0
75	19.682	0.051	0.149	0.01	1.78e-03	0.12	1.44e-02	0.56	6.68e-02	0.0	0.0
76	20.033	0.050	0.148	0.23	2.70e-02	0.56	6.72e-02	8.02e-06	0.0	0.0	0.0
77	20.702	0.048	0.146	0.46	5.57e-02	0.85	0.1	1.72	0.2	0.0	0.0
78	21.042	0.048	0.145	0.32	3.87e-02	0.40	4.75e-02	0.61	7.33e-02	0.0	0.0
79	21.719	0.046	0.143	1.53	0.2	0.13	1.59e-02	13.74	1.6	0.0	0.0
80	22.519	0.044	0.141	0.24	2.92e-02	0.24	2.94e-02	0.12	1.49e-02	0.0	0.0
81	23.076	0.043	0.139	0.40	4.79e-02	2.41e-03	2.89e-04	0.28	3.38e-02	0.0	0.0
82	23.199	0.043	0.139	9.47e-03	1.13e-03	0.32	3.83e-02	8.48	1.0	0.0	0.0
83	23.475	0.043	0.138	0.05	5.81e-03	2.87	0.3	15.84	1.9	0.0	0.0
84	24.311	0.041	0.136	0.08	9.95e-03	0.18	2.15e-02	3.15	0.4	0.0	0.0
85	25.046	0.040	0.135	0.89	0.1	0.07	7.83e-03	0.03	4.09e-03	0.0	0.0
86	25.358	0.039	0.135	0.36	4.35e-02	2.89e-03	3.46e-04	0.25	2.98e-02	0.0	0.0
87	25.458	0.039	0.135	0.79	9.46e-02	9.15e-04	1.10e-04	2.51e-03	3.01e-04	0.0	0.0
88	25.771	0.039	0.134	0.20	2.43e-02	6.10e-04	7.31e-05	7.53e-03	9.02e-04	0.0	0.0
89	25.823	0.039	0.134	5.68e-05	6.81e-06	0.18	2.16e-02	0.05	5.61e-03	0.0	0.0
90	26.014	0.038	0.134	0.09	1.04e-02	0.02	1.86e-03	0.69	8.33e-02	0.0	0.0
91	26.355	0.038	0.134	3.25	0.4	0.02	2.42e-03	0.12	1.42e-02	0.0	0.0
92	26.621	0.038	0.134	0.11	1.37e-02	0.01	1.39e-03	3.95	0.5	0.0	0.0
93	26.992	0.037	0.134	0.09	1.10e-02	0.06	6.68e-03	1.18	0.1	0.0	0.0
94	28.120	0.036	0.134	9.44e-04	1.13e-04	8.62e-06	1.03e-06	11.73	1.4	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
95	28.259	0.035	0.134	9.15e-03	1.10e-03	2.21e-03	2.65e-04	50.44	6.0	0.0	0.0
96	28.539	0.035	0.134	1.94	0.2	5.23e-03	6.27e-04	0.12	1.42e-02	0.0	0.0
97	29.655	0.034	0.133	0.21	2.57e-02	0.01	1.35e-03	2.20e-04	2.63e-05	0.0	0.0
98	29.867	0.033	0.133	0.86	0.1	0.03	3.73e-03	5.11e-03	6.13e-04	0.0	0.0
99	30.453	0.033	0.133	4.14	0.5	0.51	6.07e-02	0.02	1.87e-03	0.0	0.0
100	31.780	0.031	0.133	0.03	3.80e-03	6.91e-03	8.29e-04	3.97	0.5	0.0	0.0
101	31.861	0.031	0.133	1.60	0.2	0.08	9.19e-03	0.65	7.83e-02	0.0	0.0
102	32.851	0.030	0.133	1.05e-03	1.26e-04	0.95	0.1	0.02	1.94e-03	0.0	0.0
103	34.557	0.029	0.132	5.86e-03	7.02e-04	0.05	5.82e-03	11.01	1.3	0.0	0.0
104	35.201	0.028	0.132	4.72	0.6	0.05	5.54e-03	1.53	0.2	0.0	0.0
105	35.412	0.028	0.132	2.17e-03	2.61e-04	0.52	6.29e-02	0.03	3.48e-03	0.0	0.0
106	36.264	0.028	0.132	3.94e-04	4.72e-05	5.24e-04	6.28e-05	6.56	0.8	0.0	0.0
107	36.494	0.027	0.132	0.01	1.50e-03	0.11	1.34e-02	0.07	7.83e-03	0.0	0.0
108	36.588	0.027	0.132	0.18	2.18e-02	1.77e-03	2.13e-04	0.05	5.87e-03	0.0	0.0
109	36.970	0.027	0.132	9.48e-04	1.14e-04	2.60e-03	3.12e-04	25.60	3.1	0.0	0.0
110	37.418	0.027	0.132	0.07	8.41e-03	1.07e-05	1.29e-06	0.02	2.70e-03	0.0	0.0
111	37.669	0.027	0.132	0.02	1.81e-03	2.49e-04	2.98e-05	1.85e-03	2.22e-04	0.0	0.0
112	37.940	0.026	0.132	7.52e-05	9.01e-06	0.01	1.44e-03	0.01	1.28e-03	0.0	0.0
113	40.234	0.025	0.132	1.05e-03	1.26e-04	0.05	5.94e-03	0.01	1.48e-03	0.0	0.0
114	41.229	0.024	0.131	3.34e-04	4.00e-05	1.68e-03	2.01e-04	58.12	7.0	0.0	0.0
115	41.401	0.024	0.131	8.82e-03	1.06e-03	5.95e-05	7.14e-06	0.01	1.35e-03	0.0	0.0
116	41.729	0.024	0.131	0.03	3.52e-03	0.01	1.25e-03	1.25	0.1	0.0	0.0
117	41.771	0.024	0.131	0.01	1.76e-03	0.04	4.20e-03	16.83	2.0	0.0	0.0
118	42.001	0.024	0.131	5.49e-03	6.58e-04	2.24e-03	2.69e-04	6.76e-04	8.11e-05	0.0	0.0
119	42.585	0.023	0.131	2.53e-05	3.03e-06	3.01e-03	3.61e-04	0.02	2.68e-03	0.0	0.0
120	43.580	0.023	0.131	0.27	3.26e-02	2.12	0.3	4.19e-04	5.02e-05	0.0	0.0
121	45.595	0.022	0.131	1.29e-03	1.55e-04	4.79e-04	5.75e-05	0.03	3.76e-03	0.0	0.0
122	46.379	0.022	0.131	2.17e-03	2.60e-04	0.02	2.06e-03	44.40	5.3	0.0	0.0
123	46.542	0.021	0.131	5.01e-03	6.01e-04	0.02	2.06e-03	5.89	0.7	0.0	0.0
124	46.723	0.021	0.131	0.17	2.05e-02	1.69	0.2	0.03	3.62e-03	0.0	0.0
125	46.935	0.021	0.131	5.46e-03	6.55e-04	0.05	5.66e-03	9.42	1.1	0.0	0.0
126	47.369	0.021	0.131	5.10e-04	6.11e-05	0.02	2.61e-03	13.83	1.7	0.0	0.0
127	49.252	0.020	0.131	2.18e-03	2.62e-04	1.85e-04	2.22e-05	98.07	11.8	0.0	0.0
128	49.674	0.020	0.131	0.03	3.99e-03	0.01	1.74e-03	1.00	0.1	0.0	0.0
129	49.856	0.020	0.131	7.64	0.9	4.17e-05	5.00e-06	0.29	3.46e-02	0.0	0.0
130	50.335	0.020	0.131	1.26e-03	1.51e-04	0.01	1.71e-03	14.01	1.7	0.0	0.0
131	51.100	0.020	0.131	9.73e-03	1.17e-03	0.11	1.29e-02	17.75	2.1	0.0	0.0
132	52.820	0.019	0.131	1.10e-06	0.0	5.47e-06	0.0	37.18	4.5	0.0	0.0
133	53.186	0.019	0.131	3.69e-06	0.0	5.90	0.7	0.75	9.01e-02	0.0	0.0
134	53.574	0.019	0.131	0.0	0.0	1.24e-06	0.0	2.89e-03	3.46e-04	0.0	0.0
135	54.116	0.018	0.131	0.02	2.92e-03	0.0	0.0	16.44	2.0	0.0	0.0
136	54.183	0.018	0.131	0.0	0.0	0.06	7.54e-03	5.73e-04	6.87e-05	0.0	0.0
137	54.346	0.018	0.131	0.08	9.41e-03	2.35e-05	2.82e-06	2.19e-04	2.63e-05	0.0	0.0
138	54.668	0.018	0.131	2.12e-06	0.0	0.11	1.36e-02	16.24	1.9	0.0	0.0
139	54.975	0.018	0.131	3.79e-03	4.54e-04	0.02	2.67e-03	28.73	3.4	0.0	0.0
140	55.354	0.018	0.131	7.11e-05	8.53e-06	1.26e-04	1.51e-05	3.92e-03	4.70e-04	0.0	0.0
141	55.722	0.018	0.131	0.09	1.07e-02	2.69e-03	3.23e-04	0.03	3.46e-03	0.0	0.0
142	58.235	0.017	0.131	7.38	0.9	1.44e-05	1.73e-06	5.04	0.6	0.0	0.0
143	58.936	0.017	0.131	1.79e-03	2.14e-04	0.0	0.0	0.99	0.1	0.0	0.0
144	58.976	0.017	0.131	0.02	2.91e-03	8.82e-04	1.06e-04	6.73	0.8	0.0	0.0
145	59.068	0.017	0.131	0.08	9.77e-03	3.94e-03	4.72e-04	27.13	3.3	0.0	0.0
146	59.909	0.017	0.131	0.0	0.0	7.34	0.9	5.48	0.7	0.0	0.0
147	60.691	0.016	0.131	1.48e-03	1.77e-04	4.43e-05	5.32e-06	11.99	1.4	0.0	0.0
148	60.707	0.016	0.131	1.70e-05	2.03e-06	0.05	6.54e-03	12.21	1.5	0.0	0.0
149	61.067	0.016	0.131	2.50e-03	3.00e-04	4.47e-04	5.36e-05	3.40e-06	0.0	0.0	0.0
150	61.693	0.016	0.131	1.62e-04	1.94e-05	0.0	0.0	14.73	1.8	0.0	0.0
151	61.731	0.016	0.131	9.50e-06	1.14e-06	3.95e-04	4.73e-05	12.71	1.5	0.0	0.0
152	63.119	0.016	0.131	0.23	2.79e-02	2.26e-06	0.0	0.03	3.42e-03	0.0	0.0
153	63.628	0.016	0.131	1.00	0.1	0.03	3.39e-03	3.85	0.5	0.0	0.0
154	64.892	0.015	0.131	0.72	8.65e-02	0.04	5.38e-03	1.26	0.2	0.0	0.0
155	65.047	0.015	0.131	2.52e-06	0.0	0.19	2.30e-02	0.02	2.74e-03	0.0	0.0
156	65.772	0.015	0.131	4.32e-04	5.18e-05	0.04	4.81e-03	0.07	7.91e-03	0.0	0.0
157	67.019	0.015	0.131	2.46e-04	2.95e-05	3.70e-04	4.44e-05	0.02	2.22e-03	0.0	0.0
158	69.125	0.014	0.131	3.52e-04	4.22e-05	6.63e-05	7.95e-06	0.13	1.53e-02	0.0	0.0
159	70.054	0.014	0.131	8.56e-03	1.03e-03	5.85e-04	7.02e-05	0.10	1.15e-02	0.0	0.0
160	70.163	0.014	0.131	0.04	5.29e-03	0.02	2.62e-03	0.03	3.83e-03	0.0	0.0
161	70.301	0.014	0.131	4.02e-03	4.81e-04	0.08	9.56e-03	0.01	1.33e-03	0.0	0.0
162	72.808	0.014	0.131	2.01e-03	2.41e-04	6.06e-05	7.27e-06	0.22	2.58e-02	0.0	0.0
163	73.390	0.014	0.131	2.48e-04	2.98e-05	0.02	2.89e-03	0.13	1.62e-02	0.0	0.0
164	73.758	0.014	0.131	7.46e-03	8.94e-04	4.73e-03	5.67e-04	0.41	4.93e-02	0.0	0.0
165	75.393	0.013	0.131	0.08	1.01e-02	6.32e-04	7.57e-05	0.07	7.94e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
166	76.369	0.013	0.131	3.58e-03	4.30e-04	4.77e-03	5.72e-04	0.34	4.03e-02	0.0	0.0
167	78.528	0.013	0.131	0.10	1.20e-02	2.12e-03	2.54e-04	0.02	2.08e-03	0.0	0.0
168	78.661	0.013	0.131	0.09	1.12e-02	3.74e-04	4.48e-05	0.37	4.45e-02	0.0	0.0
169	79.710	0.013	0.131	3.56e-03	4.27e-04	6.97e-03	8.36e-04	0.02	2.30e-03	0.0	0.0
170	79.920	0.013	0.131	1.18e-03	1.41e-04	0.0	0.0	15.94	1.9	0.0	0.0
171	81.491	0.012	0.131	7.15e-03	8.57e-04	2.12e-03	2.54e-04	0.02	2.78e-03	0.0	0.0
172	82.935	0.012	0.131	2.79e-04	3.35e-05	0.46	5.51e-02	1.29	0.2	0.0	0.0
173	84.079	0.012	0.131	6.02e-04	7.22e-05	0.02	1.88e-03	3.25	0.4	0.0	0.0
174	84.946	0.012	0.131	8.18e-04	9.80e-05	0.02	2.59e-03	0.13	1.57e-02	0.0	0.0
175	86.921	0.012	0.131	2.39e-03	2.87e-04	4.79e-04	5.74e-05	0.04	4.28e-03	0.0	0.0
176	88.758	0.011	0.131	1.86e-04	2.22e-05	0.02	2.26e-03	2.44	0.3	0.0	0.0
177	89.551	0.011	0.131	2.30e-05	2.75e-06	0.29	3.46e-02	0.32	3.88e-02	0.0	0.0
178	92.023	0.011	0.131	0.02	2.88e-03	6.13e-03	7.35e-04	0.31	3.77e-02	0.0	0.0
179	92.461	0.011	0.131	0.03	3.48e-03	3.83e-03	4.59e-04	0.24	2.91e-02	0.0	0.0
180	94.512	0.011	0.131	3.32e-06	0.0	0.15	1.75e-02	2.20e-03	2.63e-04	0.0	0.0
181	96.072	0.010	0.131	2.15e-04	2.58e-05	0.10	1.24e-02	0.39	4.66e-02	0.0	0.0
182	98.135	0.010	0.131	9.77e-03	1.17e-03	0.03	4.03e-03	0.28	3.32e-02	0.0	0.0
183	99.232	0.010	0.131	1.04e-04	1.25e-05	0.01	1.28e-03	1.34	0.2	0.0	0.0
184	100.444	0.010	0.131	0.01	1.47e-03	3.34e-03	4.00e-04	0.27	3.21e-02	0.0	0.0
185	103.277	0.010	0.131	7.88e-04	9.44e-05	9.57e-03	1.15e-03	1.83	0.2	0.0	0.0
186	104.259	0.010	0.131	1.72e-06	0.0	0.07	7.96e-03	0.33	3.93e-02	0.0	0.0
187	106.775	0.009	0.131	4.47e-05	5.36e-06	1.12e-03	1.34e-04	6.70	0.8	0.0	0.0
188	112.290	0.009	0.131	7.49e-06	0.0	8.07e-03	9.68e-04	0.02	2.45e-03	0.0	0.0
189	113.836	0.009	0.131	4.93e-05	5.92e-06	4.22e-04	5.06e-05	0.75	8.95e-02	0.0	0.0
190	114.534	0.009	0.131	8.53e-03	1.02e-03	1.07e-05	1.28e-06	6.97e-04	8.35e-05	0.0	0.0
191	122.025	0.008	0.131	0.0	0.0	0.02	1.99e-03	3.94e-03	4.72e-04	0.0	0.0
192	131.808	0.008	0.131	0.41	4.90e-02	0.06	7.17e-03	0.02	2.34e-03	0.0	0.0
193	134.593	0.007	0.131	3.99e-03	4.78e-04	6.31e-06	0.0	3.28	0.4	0.0	0.0
194	138.375	0.007	0.131	0.44	5.25e-02	0.05	5.45e-03	0.01	1.54e-03	0.0	0.0
195	140.980	0.007	0.131	0.15	1.79e-02	0.07	8.95e-03	1.01e-03	1.21e-04	0.0	0.0
196	145.642	0.007	0.131	3.90e-03	4.67e-04	1.83e-03	2.19e-04	15.84	1.9	0.0	0.0
197	148.896	0.007	0.131	0.28	3.36e-02	0.05	6.58e-03	0.84	0.1	0.0	0.0
198	150.812	0.007	0.131	9.33e-03	1.12e-03	0.24	2.83e-02	3.27	0.4	0.0	0.0
199	155.425	0.006	0.131	1.70e-03	2.04e-04	0.03	3.77e-03	7.62	0.9	0.0	0.0
200	161.537	0.006	0.131	0.19	2.27e-02	0.04	4.77e-03	0.02	2.10e-03	0.0	0.0
201	168.825	0.006	0.131	0.20	2.37e-02	0.05	5.61e-03	1.74	0.2	0.0	0.0
202	173.662	0.006	0.131	6.54e-04	7.85e-05	0.02	2.37e-03	8.98	1.1	0.0	0.0
203	178.190	0.006	0.131	0.03	3.37e-03	0.07	8.95e-03	1.36	0.2	0.0	0.0
204	186.657	0.005	0.131	2.25e-03	2.70e-04	0.09	1.09e-02	0.07	8.11e-03	0.0	0.0
205	189.333	0.005	0.131	0.09	1.08e-02	5.00e-04	5.99e-05	0.40	4.74e-02	0.0	0.0
206	193.985	0.005	0.131	0.03	3.10e-03	7.48e-05	8.97e-06	1.58	0.2	0.0	0.0
207	212.967	0.005	0.131	0.01	1.79e-03	0.07	8.15e-03	0.10	1.17e-02	0.0	0.0
208	218.658	0.005	0.131	5.62e-03	6.73e-04	0.03	3.95e-03	1.23	0.1	0.0	0.0
209	221.859	0.005	0.131	5.18e-03	6.21e-04	3.59e-03	4.30e-04	3.21	0.4	0.0	0.0
210	258.317	0.004	0.131	9.49e-04	1.14e-04	0.03	3.66e-03	3.03e-04	3.63e-05	0.0	0.0
211	265.516	0.004	0.131	5.36e-03	6.43e-04	1.77e-03	2.13e-04	2.57	0.3	0.0	0.0
212	274.266	0.004	0.131	0.13	1.54e-02	0.03	3.90e-03	0.09	1.06e-02	0.0	0.0
213	296.015	0.003	0.131	0.01	1.46e-03	0.10	1.15e-02	1.95e-04	2.34e-05	0.0	0.0
214	302.843	0.003	0.131	0.06	7.77e-03	1.95e-03	2.34e-04	3.13e-03	3.76e-04	0.0	0.0
215	339.502	0.003	0.131	1.30e-04	1.56e-05	0.0	0.0	0.85	0.1	0.0	0.0
216	348.154	0.003	0.131	6.23e-03	7.47e-04	1.54e-03	1.85e-04	6.91e-03	8.29e-04	0.0	0.0
217	367.049	0.003	0.131	3.61e-03	4.32e-04	2.83e-03	3.39e-04	0.04	4.23e-03	0.0	0.0
218	416.128	0.002	0.131	6.77e-05	8.11e-06	5.49e-05	6.58e-06	0.85	0.1	0.0	0.0
219	532.094	0.002	0.131	8.77e-05	1.05e-05	1.18e-03	1.42e-04	0.13	1.54e-02	0.0	0.0
220	559.446	0.002	0.131	4.54e-03	5.44e-04	2.81e-04	3.37e-05	0.31	3.75e-02	0.0	0.0
221	608.365	0.002	0.131	2.23e-04	2.67e-05	7.49e-05	8.98e-06	0.54	6.47e-02	0.0	0.0
222	810.356	0.001	0.131	1.25e-04	1.49e-05	6.16e-04	7.39e-05	1.25e-03	1.50e-04	0.0	0.0
223	919.698	0.001	0.131	5.83e-04	6.99e-05	1.25e-05	1.50e-06	0.09	1.06e-02	0.0	0.0
224	960.823	0.001	0.131	7.57e-05	9.08e-06	1.10e-05	1.32e-06	0.27	3.19e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.423 sec.
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	-0.40	0.0	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	-0.54	0.0	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	-0.54	0.0	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	-0.30	0.0	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	-0.54	0.0	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	-0.38	0.0	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	-0.08	0.0	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.843	1.187	0.102	9.92	1.2	7.57e-04	9.08e-05	0.0	0.0	0.0	0.0
2	0.846	1.182	0.102	0.03	3.69e-03	0.0	0.0	5.13e-06	0.0	0.0	0.0
3	1.049	0.953	0.111	2.03e-03	2.44e-04	11.07	1.3	1.21e-05	1.45e-06	0.0	0.0
4	1.054	0.949	0.110	1.22e-04	1.46e-05	0.03	3.07e-03	1.40e-05	1.67e-06	0.0	0.0
5	1.325	0.755	0.133	10.93	1.3	7.76e-03	9.31e-04	0.0	0.0	0.0	0.0
6	1.327	0.754	0.134	0.04	4.27e-03	6.86e-06	0.0	5.36e-06	0.0	0.0	0.0
7	1.419	0.705	0.155	4.42e-03	5.29e-04	10.12	1.2	1.46e-06	0.0	0.0	0.0
8	1.421	0.704	0.156	1.14e-04	1.37e-05	0.03	3.32e-03	9.32e-06	1.12e-06	0.0	0.0
9	1.510	0.662	0.179	6.74	0.8	1.34e-05	1.61e-06	1.30e-05	1.56e-06	0.0	0.0
10	1.517	0.659	0.182	0.01	1.60e-03	1.83e-04	2.20e-05	1.23e-05	1.48e-06	0.0	0.0
11	1.592	0.628	0.210	1.45e-06	0.0	3.29	0.4	0.0	0.0	0.0	0.0
12	2.334	0.428	0.293	29.14	3.5	92.66	11.1	6.17e-03	7.40e-04	0.0	0.0
13	2.363	0.423	0.294	139.46	16.7	273.97	32.8	0.03	3.62e-03	0.0	0.0
14	2.940	0.340	0.350	307.13	36.8	157.95	18.9	0.02	2.14e-03	0.0	0.0
15	3.517	0.284	0.399	34.20	4.1	19.01	2.3	2.60e-06	0.0	0.0	0.0
16	3.648	0.274	0.402	23.60	2.8	1.62	0.2	2.35e-03	2.82e-04	0.0	0.0
17	3.977	0.251	0.407	0.07	8.34e-03	37.95	4.6	0.12	1.45e-02	0.0	0.0
18	4.035	0.248	0.401	0.67	8.03e-02	19.63	2.4	6.54e-04	7.85e-05	0.0	0.0
19	4.229	0.236	0.375	0.29	3.54e-02	2.84e-04	3.41e-05	2.12e-04	2.54e-05	0.0	0.0
20	4.629	0.216	0.307	2.12e-03	2.54e-04	15.37	1.8	1.53e-05	1.83e-06	0.0	0.0
21	5.141	0.195	0.280	19.19	2.3	4.56e-05	5.46e-06	1.59e-05	1.90e-06	0.0	0.0
22	5.591	0.179	0.269	19.13	2.3	6.31e-06	0.0	0.31	3.72e-02	0.0	0.0
23	5.858	0.171	0.263	0.84	0.1	0.28	3.41e-02	5.56e-03	6.66e-04	0.0	0.0
24	6.010	0.166	0.260	5.89	0.7	8.26	1.0	0.01	1.59e-03	0.0	0.0
25	6.395	0.156	0.253	2.85	0.3	1.44	0.2	0.02	1.81e-03	0.0	0.0
26	6.816	0.147	0.245	6.87	0.8	5.57e-04	6.68e-05	7.04e-03	8.44e-04	0.0	0.0
27	7.023	0.142	0.241	33.46	4.0	0.40	4.78e-02	0.03	4.14e-03	0.0	0.0
28	7.183	0.139	0.238	0.10	1.25e-02	1.69	0.2	0.01	1.76e-03	0.0	0.0
29	7.374	0.136	0.234	33.11	4.0	0.88	0.1	0.15	1.84e-02	0.0	0.0
30	7.654	0.131	0.229	9.83e-04	1.18e-04	0.69	8.32e-02	0.73	8.81e-02	0.0	0.0
31	7.889	0.127	0.225	3.32	0.4	14.14	1.7	0.10	1.22e-02	0.0	0.0
32	8.150	0.123	0.221	0.12	1.45e-02	17.74	2.1	0.04	4.87e-03	0.0	0.0
33	8.472	0.118	0.222	15.22	1.8	21.73	2.6	7.03e-03	8.43e-04	0.0	0.0
34	8.670	0.115	0.227	3.15	0.4	5.44	0.7	0.03	3.38e-03	0.0	0.0
35	9.008	0.111	0.234	0.76	9.05e-02	1.78	0.2	0.04	5.09e-03	0.0	0.0
36	9.350	0.107	0.242	2.38	0.3	8.66	1.0	0.04	4.56e-03	0.0	0.0
37	9.796	0.102	0.251	0.12	1.44e-02	0.79	9.45e-02	4.99e-04	5.98e-05	0.0	0.0
38	10.422	0.096	0.245	10.62	1.3	0.05	6.02e-03	2.53	0.3	0.0	0.0
39	10.541	0.095	0.243	1.71	0.2	0.42	5.05e-02	0.50	6.02e-02	0.0	0.0
40	10.699	0.093	0.239	3.03	0.4	0.25	3.03e-02	2.73	0.3	0.0	0.0
41	10.781	0.093	0.238	2.52	0.3	1.26	0.2	0.10	1.24e-02	0.0	0.0
42	11.771	0.085	0.220	1.08e-03	1.29e-04	5.60	0.7	5.85e-04	7.01e-05	0.0	0.0
43	12.184	0.082	0.213	5.76e-03	6.90e-04	3.51	0.4	0.02	2.24e-03	0.0	0.0
44	12.418	0.081	0.210	5.71	0.7	13.47	1.6	10.27	1.2	0.0	0.0
45	12.497	0.080	0.209	2.73	0.3	5.39	0.6	25.36	3.0	0.0	0.0
46	13.194	0.076	0.199	9.27	1.1	0.18	2.15e-02	0.02	2.30e-03	0.0	0.0
47	13.433	0.074	0.196	4.03	0.5	0.51	6.11e-02	0.08	9.41e-03	0.0	0.0
48	13.598	0.074	0.193	4.79	0.6	0.62	7.38e-02	0.61	7.30e-02	0.0	0.0
49	13.800	0.072	0.191	0.19	2.32e-02	2.33e-04	2.79e-05	2.57	0.3	0.0	0.0
50	13.893	0.072	0.190	0.07	8.35e-03	0.80	9.59e-02	0.02	2.82e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
51	14.240	0.070	0.186	5.27	0.6	0.09	1.06e-02	0.35	4.18e-02	0.0	0.0
52	14.359	0.070	0.184	1.51	0.2	0.91	0.1	3.46	0.4	0.0	0.0
53	14.583	0.069	0.182	0.21	2.54e-02	0.20	2.39e-02	0.05	5.44e-03	0.0	0.0
54	14.843	0.067	0.179	0.01	1.22e-03	0.31	3.69e-02	9.56e-03	1.15e-03	0.0	0.0
55	15.258	0.066	0.175	3.11	0.4	0.14	1.67e-02	0.03	3.44e-03	0.0	0.0
56	15.294	0.065	0.174	2.31e-03	2.77e-04	3.85e-03	4.62e-04	0.01	1.32e-03	0.0	0.0
57	15.411	0.065	0.173	0.03	3.27e-03	0.91	0.1	4.99e-03	5.99e-04	0.0	0.0
58	15.647	0.064	0.171	0.81	9.73e-02	3.26	0.4	0.03	3.35e-03	0.0	0.0
59	15.770	0.063	0.170	1.48	0.2	1.55	0.2	2.08e-03	2.50e-04	0.0	0.0
60	16.010	0.062	0.168	1.02	0.1	0.49	5.86e-02	4.25e-03	5.10e-04	0.0	0.0
61	16.032	0.062	0.167	9.83e-06	1.18e-06	1.32	0.2	8.71	1.0	0.0	0.0
62	16.348	0.061	0.165	0.78	9.37e-02	1.79	0.2	7.12	0.9	0.0	0.0
63	16.411	0.061	0.164	9.28e-03	1.11e-03	5.45	0.7	2.28	0.3	0.0	0.0
64	16.452	0.061	0.164	2.88	0.3	6.49	0.8	0.10	1.16e-02	0.0	0.0
65	16.679	0.060	0.162	5.70	0.7	0.92	0.1	0.34	4.06e-02	0.0	0.0
66	16.831	0.059	0.161	1.07	0.1	3.41	0.4	2.24e-05	2.68e-06	0.0	0.0
67	17.462	0.057	0.158	1.59	0.2	4.92	0.6	0.09	1.09e-02	0.0	0.0
68	17.651	0.057	0.157	0.23	2.79e-02	0.23	2.70e-02	0.09	1.12e-02	0.0	0.0
69	18.251	0.055	0.155	3.16e-05	3.78e-06	0.89	0.1	0.08	9.17e-03	0.0	0.0
70	18.322	0.055	0.154	0.58	6.93e-02	0.03	4.07e-03	0.05	6.02e-03	0.0	0.0
71	18.397	0.054	0.154	0.04	4.65e-03	5.53	0.7	3.32	0.4	0.0	0.0
72	18.514	0.054	0.154	2.45	0.3	1.86	0.2	0.48	5.78e-02	0.0	0.0
73	18.561	0.054	0.154	0.47	5.63e-02	0.48	5.75e-02	0.04	5.05e-03	0.0	0.0
74	19.007	0.053	0.152	7.14	0.9	0.63	7.59e-02	8.73	1.0	0.0	0.0
75	19.084	0.052	0.152	0.06	6.98e-03	1.94	0.2	0.04	4.46e-03	0.0	0.0
76	19.724	0.051	0.149	0.92	0.1	0.54	6.52e-02	0.03	3.50e-03	0.0	0.0
77	20.377	0.049	0.147	5.01e-03	6.00e-04	0.63	7.59e-02	14.77	1.8	0.0	0.0
78	20.737	0.048	0.146	0.05	6.41e-03	0.09	1.07e-02	5.77	0.7	0.0	0.0
79	21.820	0.046	0.143	1.60	0.2	0.08	9.85e-03	2.31	0.3	0.0	0.0
80	22.443	0.045	0.141	0.20	2.46e-02	0.24	2.93e-02	15.74	1.9	0.0	0.0
81	22.648	0.044	0.140	1.01	0.1	7.13e-03	8.55e-04	9.20	1.1	0.0	0.0
82	23.159	0.043	0.139	0.01	1.55e-03	0.06	6.82e-03	7.79	0.9	0.0	0.0
83	23.504	0.043	0.138	0.04	5.00e-03	0.78	9.36e-02	1.22	0.1	0.0	0.0
84	24.945	0.040	0.135	1.02	0.1	0.07	8.90e-03	0.02	2.55e-03	0.0	0.0
85	25.063	0.040	0.135	3.70e-03	4.43e-04	0.23	2.75e-02	0.21	2.50e-02	0.0	0.0
86	25.354	0.039	0.135	0.39	4.71e-02	1.40e-03	1.68e-04	0.36	4.30e-02	0.0	0.0
87	25.456	0.039	0.135	0.78	9.32e-02	2.76e-04	3.31e-05	2.84e-03	3.40e-04	0.0	0.0
88	25.671	0.039	0.134	0.07	8.43e-03	0.15	1.80e-02	2.85	0.3	0.0	0.0
89	26.022	0.038	0.134	0.07	8.29e-03	1.59e-04	1.91e-05	0.16	1.88e-02	0.0	0.0
90	26.321	0.038	0.134	3.29	0.4	0.01	1.41e-03	0.03	3.25e-03	0.0	0.0
91	26.636	0.038	0.134	0.02	2.34e-03	0.15	1.81e-02	1.52	0.2	0.0	0.0
92	26.716	0.037	0.134	0.19	2.23e-02	0.52	6.26e-02	0.13	1.55e-02	0.0	0.0
93	27.349	0.037	0.134	0.01	1.43e-03	1.08	0.1	0.14	1.70e-02	0.0	0.0
94	28.118	0.036	0.134	1.16e-03	1.39e-04	9.41e-03	1.13e-03	8.11	1.0	0.0	0.0
95	28.232	0.035	0.134	0.01	1.78e-03	0.04	4.79e-03	53.87	6.5	0.0	0.0
96	28.556	0.035	0.134	1.79	0.2	0.02	2.17e-03	0.04	4.66e-03	0.0	0.0
97	28.717	0.035	0.134	0.23	2.73e-02	0.55	6.54e-02	0.61	7.28e-02	0.0	0.0
98	29.090	0.034	0.134	0.03	3.56e-03	0.72	8.61e-02	0.04	5.34e-03	0.0	0.0
99	29.934	0.033	0.133	1.59	0.2	0.21	2.51e-02	0.01	1.33e-03	0.0	0.0
100	30.524	0.033	0.133	2.67	0.3	0.02	1.83e-03	8.77e-03	1.05e-03	0.0	0.0
101	31.530	0.032	0.133	2.39	0.3	0.04	5.03e-03	0.02	2.00e-03	0.0	0.0
102	31.787	0.031	0.133	0.06	7.52e-03	4.14e-04	4.97e-05	4.60	0.6	0.0	0.0
103	34.455	0.029	0.132	8.39e-04	1.01e-04	3.22e-03	3.86e-04	10.69	1.3	0.0	0.0
104	35.210	0.028	0.132	4.74	0.6	0.06	7.58e-03	1.33	0.2	0.0	0.0
105	36.237	0.028	0.132	1.91e-04	2.29e-05	0.05	5.65e-03	2.82	0.3	0.0	0.0
106	36.288	0.028	0.132	2.28e-03	2.74e-04	0.09	1.07e-02	2.72	0.3	0.0	0.0
107	36.584	0.027	0.132	0.20	2.37e-02	5.87e-06	0.0	0.03	4.05e-03	0.0	0.0
108	36.948	0.027	0.132	3.38e-04	4.05e-05	2.22e-04	2.67e-05	27.17	3.3	0.0	0.0
109	37.134	0.027	0.132	4.12e-05	4.94e-06	4.75e-03	5.70e-04	0.03	3.44e-03	0.0	0.0
110	37.695	0.027	0.132	0.02	2.49e-03	4.79e-04	5.74e-05	6.01e-03	7.21e-04	0.0	0.0
111	38.069	0.026	0.132	0.04	4.94e-03	1.88e-03	2.25e-04	2.51e-03	3.00e-04	0.0	0.0
112	39.523	0.025	0.132	8.90e-05	1.07e-05	0.40	4.79e-02	5.94e-06	0.0	0.0	0.0
113	40.357	0.025	0.132	2.25e-05	2.70e-06	0.01	1.31e-03	0.02	2.58e-03	0.0	0.0
114	41.204	0.024	0.131	2.86e-04	3.43e-05	0.0	0.0	59.88	7.2	0.0	0.0
115	41.408	0.024	0.131	8.65e-03	1.04e-03	8.50e-06	1.02e-06	0.05	5.61e-03	0.0	0.0
116	41.712	0.024	0.131	0.01	1.52e-03	9.77e-03	1.17e-03	0.13	1.57e-02	0.0	0.0
117	41.754	0.024	0.131	0.03	3.67e-03	9.88e-03	1.18e-03	17.67	2.1	0.0	0.0
118	41.978	0.024	0.131	6.04e-03	7.25e-04	6.57e-03	7.88e-04	0.01	1.55e-03	0.0	0.0
119	43.711	0.023	0.131	0.29	3.42e-02	1.95	0.2	4.59e-03	5.50e-04	0.0	0.0
120	44.895	0.022	0.131	1.14e-03	1.36e-04	0.12	1.41e-02	0.03	3.50e-03	0.0	0.0
121	45.059	0.022	0.131	3.03e-06	0.0	9.77	1.2	1.50e-03	1.80e-04	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
122	45.622	0.022	0.131	1.43e-03	1.71e-04	0.02	2.02e-03	0.56	6.72e-02	0.0	0.0
123	46.332	0.022	0.131	3.99e-04	4.78e-05	0.02	1.92e-03	43.65	5.2	0.0	0.0
124	46.448	0.022	0.131	6.57e-03	7.88e-04	5.34e-04	6.41e-05	2.66	0.3	0.0	0.0
125	46.850	0.021	0.131	0.08	9.24e-03	0.97	0.1	3.41	0.4	0.0	0.0
126	46.916	0.021	0.131	0.08	1.00e-02	0.99	0.1	8.45	1.0	0.0	0.0
127	47.402	0.021	0.131	1.14e-03	1.37e-04	0.04	4.36e-03	11.54	1.4	0.0	0.0
128	49.258	0.020	0.131	2.68e-03	3.22e-04	9.18e-05	1.10e-05	102.43	12.3	0.0	0.0
129	49.698	0.020	0.131	0.04	4.26e-03	0.01	1.41e-03	3.73	0.4	0.0	0.0
130	49.856	0.020	0.131	7.63	0.9	4.09e-05	4.91e-06	0.25	2.95e-02	0.0	0.0
131	50.879	0.020	0.131	9.60e-03	1.15e-03	0.13	1.57e-02	27.22	3.3	0.0	0.0
132	52.820	0.019	0.131	1.12e-06	0.0	4.20e-06	0.0	37.17	4.5	0.0	0.0
133	53.494	0.019	0.131	1.08e-06	0.0	1.02e-03	1.22e-04	16.36	2.0	0.0	0.0
134	54.116	0.018	0.131	0.02	2.93e-03	0.0	0.0	16.49	2.0	0.0	0.0
135	54.346	0.018	0.131	0.08	9.41e-03	0.0	0.0	5.61e-05	6.73e-06	0.0	0.0
136	54.515	0.018	0.131	2.77e-06	0.0	0.07	7.90e-03	2.82e-05	3.38e-06	0.0	0.0
137	54.983	0.018	0.131	4.31e-03	5.17e-04	0.02	2.88e-03	29.26	3.5	0.0	0.0
138	55.350	0.018	0.131	6.13e-06	0.0	1.11e-04	1.34e-05	7.70e-03	9.23e-04	0.0	0.0
139	55.644	0.018	0.131	1.89e-03	2.26e-04	8.96e-06	1.07e-06	0.01	1.55e-03	0.0	0.0
140	55.711	0.018	0.131	0.09	1.05e-02	1.94e-03	2.32e-04	0.03	3.67e-03	0.0	0.0
141	56.685	0.018	0.131	1.71e-03	2.05e-04	0.02	2.50e-03	0.45	5.40e-02	0.0	0.0
142	56.772	0.018	0.131	1.71e-05	2.05e-06	7.34	0.9	5.71	0.7	0.0	0.0
143	58.235	0.017	0.131	7.38	0.9	0.0	0.0	5.02	0.6	0.0	0.0
144	58.984	0.017	0.131	0.01	1.37e-03	4.68e-04	5.61e-05	3.14	0.4	0.0	0.0
145	59.098	0.017	0.131	0.09	1.13e-02	5.39e-03	6.46e-04	30.89	3.7	0.0	0.0
146	60.270	0.017	0.131	4.38e-04	5.26e-05	3.05e-04	3.66e-05	3.03e-03	3.63e-04	0.0	0.0
147	60.691	0.016	0.131	1.74e-03	2.08e-04	9.49e-06	1.14e-06	7.83	0.9	0.0	0.0
148	60.694	0.016	0.131	5.54e-05	6.64e-06	2.47e-04	2.97e-05	17.11	2.1	0.0	0.0
149	61.147	0.016	0.131	2.93e-03	3.52e-04	9.84e-04	1.18e-04	1.25e-03	1.50e-04	0.0	0.0
150	61.313	0.016	0.131	1.25e-06	0.0	0.29	3.44e-02	1.73e-03	2.08e-04	0.0	0.0
151	61.691	0.016	0.131	1.32e-04	1.58e-05	0.0	0.0	13.92	1.7	0.0	0.0
152	61.729	0.016	0.131	2.19e-06	0.0	4.46e-04	5.35e-05	13.56	1.6	0.0	0.0
153	63.119	0.016	0.131	0.23	2.79e-02	1.73e-06	0.0	0.03	3.44e-03	0.0	0.0
154	63.646	0.016	0.131	1.04	0.1	0.02	2.98e-03	3.97	0.5	0.0	0.0
155	64.947	0.015	0.131	0.68	8.13e-02	0.04	5.15e-03	1.15	0.1	0.0	0.0
156	67.288	0.015	0.131	4.28e-04	5.13e-05	8.76e-04	1.05e-04	0.03	3.53e-03	0.0	0.0
157	69.048	0.014	0.131	2.56e-04	3.07e-05	3.32e-05	3.99e-06	0.14	1.67e-02	0.0	0.0
158	70.053	0.014	0.131	7.54e-03	9.04e-04	4.70e-04	5.63e-05	0.07	8.27e-03	0.0	0.0
159	70.171	0.014	0.131	0.05	5.88e-03	8.88e-04	1.06e-04	0.04	4.86e-03	0.0	0.0
160	70.991	0.014	0.131	9.38e-04	1.12e-04	6.71e-03	8.05e-04	0.33	3.96e-02	0.0	0.0
161	72.839	0.014	0.131	1.34e-03	1.60e-04	1.37e-03	1.65e-04	0.28	3.34e-02	0.0	0.0
162	75.138	0.013	0.131	3.47e-03	4.17e-04	0.12	1.42e-02	1.97e-03	2.37e-04	0.0	0.0
163	75.326	0.013	0.131	0.05	5.82e-03	0.03	3.08e-03	6.82e-06	0.0	0.0	0.0
164	75.379	0.013	0.131	0.04	4.99e-03	0.04	4.26e-03	0.03	3.33e-03	0.0	0.0
165	76.669	0.013	0.131	7.46e-04	8.94e-05	0.03	3.80e-03	0.34	4.12e-02	0.0	0.0
166	77.123	0.013	0.131	1.08e-04	1.29e-05	0.01	1.57e-03	0.53	6.38e-02	0.0	0.0
167	78.562	0.013	0.131	0.19	2.28e-02	4.52e-04	5.42e-05	0.07	7.94e-03	0.0	0.0
168	79.384	0.013	0.131	9.04e-03	1.08e-03	0.02	1.85e-03	0.60	7.23e-02	0.0	0.0
169	79.912	0.013	0.131	2.51e-04	3.00e-05	1.23e-05	1.47e-06	15.31	1.8	0.0	0.0
170	81.310	0.012	0.131	6.81e-03	8.16e-04	5.31e-03	6.37e-04	0.23	2.75e-02	0.0	0.0
171	82.861	0.012	0.131	1.12e-03	1.34e-04	0.23	2.75e-02	2.51e-03	3.01e-04	0.0	0.0
172	83.176	0.012	0.131	2.60e-05	3.12e-06	0.13	1.58e-02	3.21	0.4	0.0	0.0
173	84.337	0.012	0.131	2.04e-03	2.45e-04	1.86e-03	2.23e-04	1.97	0.2	0.0	0.0
174	85.106	0.012	0.131	5.17e-05	6.20e-06	0.01	1.63e-03	0.13	1.55e-02	0.0	0.0
175	86.990	0.011	0.131	6.27e-04	7.52e-05	1.74e-03	2.09e-04	0.99	0.1	0.0	0.0
176	88.652	0.011	0.131	1.49e-03	1.79e-04	6.72e-05	8.06e-06	0.26	3.14e-02	0.0	0.0
177	90.027	0.011	0.131	2.98e-04	3.58e-05	0.28	3.38e-02	0.79	9.43e-02	0.0	0.0
178	91.659	0.011	0.131	3.13e-05	3.75e-06	0.02	2.39e-03	0.48	5.80e-02	0.0	0.0
179	92.321	0.011	0.131	0.05	6.43e-03	3.98e-04	4.77e-05	4.33e-03	5.20e-04	0.0	0.0
180	95.649	0.010	0.131	2.12e-05	2.54e-06	0.14	1.69e-02	0.07	8.80e-03	0.0	0.0
181	96.339	0.010	0.131	9.69e-05	1.16e-05	0.05	5.74e-03	0.79	9.42e-02	0.0	0.0
182	97.162	0.010	0.131	1.75e-03	2.09e-04	0.27	3.23e-02	0.09	1.03e-02	0.0	0.0
183	98.593	0.010	0.131	4.14e-03	4.97e-04	0.01	1.76e-03	0.24	2.83e-02	0.0	0.0
184	100.495	0.010	0.131	0.01	1.53e-03	6.29e-03	7.54e-04	0.36	4.26e-02	0.0	0.0
185	102.163	0.010	0.131	2.93e-03	3.51e-04	4.08e-03	4.89e-04	3.58	0.4	0.0	0.0
186	106.224	0.009	0.131	1.94e-05	2.33e-06	3.32e-05	3.98e-06	7.04	0.8	0.0	0.0
187	106.843	0.009	0.131	8.01e-06	0.0	8.51e-03	1.02e-03	0.05	5.47e-03	0.0	0.0
188	113.315	0.009	0.131	4.84e-04	5.80e-05	7.30e-05	8.75e-06	0.05	5.55e-03	0.0	0.0
189	114.611	0.009	0.131	8.04e-03	9.64e-04	3.66e-04	4.39e-05	4.43e-03	5.31e-04	0.0	0.0
190	115.756	0.009	0.131	6.60e-05	7.92e-06	0.06	7.61e-03	2.72e-03	3.26e-04	0.0	0.0
191	127.977	0.008	0.131	3.82e-03	4.58e-04	0.03	3.47e-03	0.05	5.49e-03	0.0	0.0
192	130.101	0.008	0.131	0.17	2.09e-02	0.14	1.74e-02	0.03	3.15e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
193	133.711	0.007	0.131	5.83e-03	6.99e-04	2.16e-05	2.59e-06	3.11	0.4	0.0	0.0
194	136.216	0.007	0.131	0.69	8.29e-02	0.08	9.95e-03	0.04	5.25e-03	0.0	0.0
195	137.326	0.007	0.131	0.02	2.04e-03	0.04	4.78e-03	2.40e-03	2.88e-04	0.0	0.0
196	145.308	0.007	0.131	0.05	6.01e-03	0.02	1.96e-03	11.91	1.4	0.0	0.0
197	147.282	0.007	0.131	0.15	1.81e-02	0.15	1.75e-02	6.55	0.8	0.0	0.0
198	149.084	0.007	0.131	0.21	2.46e-02	0.02	2.90e-03	0.16	1.93e-02	0.0	0.0
199	155.238	0.006	0.131	2.45e-03	2.94e-04	5.83e-03	7.00e-04	8.68	1.0	0.0	0.0
200	161.974	0.006	0.131	0.19	2.23e-02	0.04	4.61e-03	0.02	2.29e-03	0.0	0.0
201	168.167	0.006	0.131	0.19	2.22e-02	0.07	8.61e-03	1.23	0.1	0.0	0.0
202	171.618	0.006	0.131	1.59e-03	1.90e-04	4.99e-03	5.98e-04	10.35	1.2	0.0	0.0
203	177.770	0.006	0.131	0.03	4.02e-03	0.15	1.83e-02	0.18	2.12e-02	0.0	0.0
204	185.408	0.005	0.131	0.05	5.96e-03	0.03	3.41e-03	0.29	3.44e-02	0.0	0.0
205	190.880	0.005	0.131	0.04	4.43e-03	4.24e-04	5.09e-05	1.57	0.2	0.0	0.0
206	195.332	0.005	0.131	0.04	4.57e-03	7.01e-04	8.41e-05	1.20	0.1	0.0	0.0
207	212.623	0.005	0.131	0.01	1.76e-03	0.06	6.72e-03	0.09	1.12e-02	0.0	0.0
208	220.383	0.005	0.131	6.81e-04	8.16e-05	0.02	2.73e-03	3.25	0.4	0.0	0.0
209	225.036	0.004	0.131	9.38e-03	1.12e-03	0.04	4.22e-03	0.97	0.1	0.0	0.0
210	253.606	0.004	0.131	6.42e-04	7.69e-05	0.10	1.17e-02	5.74e-03	6.88e-04	0.0	0.0
211	265.098	0.004	0.131	8.94e-03	1.07e-03	1.24e-03	1.49e-04	2.52	0.3	0.0	0.0
212	269.754	0.004	0.131	0.09	1.08e-02	0.03	3.61e-03	0.17	2.08e-02	0.0	0.0
213	289.159	0.003	0.131	0.06	6.90e-03	0.03	3.56e-03	5.02e-03	6.01e-04	0.0	0.0
214	303.622	0.003	0.131	0.05	6.49e-03	3.11e-03	3.73e-04	0.01	1.34e-03	0.0	0.0
215	335.457	0.003	0.131	3.41e-04	4.08e-05	3.33e-05	3.99e-06	0.81	9.68e-02	0.0	0.0
216	351.606	0.003	0.131	9.32e-03	1.12e-03	3.91e-05	4.68e-06	0.02	2.00e-03	0.0	0.0
217	389.391	0.003	0.131	8.63e-04	1.04e-04	2.11e-03	2.53e-04	0.13	1.59e-02	0.0	0.0
218	415.459	0.002	0.131	1.48e-05	1.77e-06	1.15e-06	0.0	0.78	9.39e-02	0.0	0.0
219	542.583	0.002	0.131	7.21e-04	8.64e-05	7.83e-04	9.38e-05	0.32	3.81e-02	0.0	0.0
220	563.170	0.002	0.131	4.00e-03	4.80e-04	6.66e-04	7.99e-05	0.13	1.60e-02	0.0	0.0
221	609.924	0.002	0.131	1.22e-04	1.46e-05	1.65e-05	1.98e-06	0.54	6.47e-02	0.0	0.0
222	819.985	0.001	0.131	1.25e-04	1.50e-05	5.44e-04	6.52e-05	5.99e-03	7.18e-04	0.0	0.0
223	918.591	0.001	0.131	5.83e-04	6.99e-05	1.57e-05	1.88e-06	0.08	9.82e-03	0.0	0.0
224	962.252	0.001	0.131	7.29e-05	8.74e-06	1.66e-05	2.00e-06	0.27	3.21e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.336 sec.
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	0.0	-0.40	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	0.0	-0.54	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	0.0	-0.54	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	0.0	-0.30	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	0.0	-0.54	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	0.0	-0.38	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	0.0	-0.08	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.826	1.211	0.087	10.34	1.2	4.66e-04	5.58e-05	0.0	0.0	0.0	0.0
2	0.829	1.206	0.087	0.03	3.83e-03	0.0	0.0	4.93e-06	0.0	0.0	0.0
3	1.027	0.974	0.097	1.90e-03	2.28e-04	11.57	1.4	1.17e-05	1.40e-06	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
4	1.032	0.969	0.097	9.22e-05	1.11e-05	0.03	3.16e-03	1.34e-05	1.61e-06	0.0	0.0
5	1.248	0.801	0.109	12.09	1.4	4.87e-03	5.84e-04	0.0	0.0	0.0	0.0
6	1.250	0.800	0.109	0.04	4.80e-03	3.36e-06	0.0	4.72e-06	0.0	0.0	0.0
7	1.325	0.755	0.116	2.44e-03	2.92e-04	11.18	1.3	1.62e-06	0.0	0.0	0.0
8	1.327	0.754	0.116	6.60e-05	7.91e-06	0.03	3.78e-03	8.01e-06	0.0	0.0	0.0
9	1.441	0.694	0.139	7.42	0.9	0.0	0.0	1.21e-05	1.45e-06	0.0	0.0
10	1.448	0.691	0.140	0.01	1.73e-03	1.09e-04	1.30e-05	1.13e-05	1.35e-06	0.0	0.0
11	1.512	0.662	0.156	5.95e-06	0.0	3.66	0.4	0.0	0.0	0.0	0.0
12	2.221	0.450	0.263	0.99	0.1	12.15	1.5	1.86e-04	2.23e-05	0.0	0.0
13	2.357	0.424	0.261	177.26	21.3	347.54	41.7	0.03	4.18e-03	0.0	0.0
14	2.979	0.336	0.319	309.79	37.1	180.58	21.7	0.01	1.46e-03	0.0	0.0
15	3.415	0.293	0.363	24.35	2.9	11.31	1.4	6.87e-04	8.23e-05	0.0	0.0
16	3.588	0.279	0.351	23.15	2.8	0.95	0.1	4.29e-03	5.14e-04	0.0	0.0
17	3.910	0.256	0.367	0.17	1.99e-02	3.43	0.4	0.02	2.04e-03	0.0	0.0
18	4.182	0.239	0.344	0.05	6.28e-03	1.58	0.2	8.66e-03	1.04e-03	0.0	0.0
19	4.258	0.235	0.331	4.19e-03	5.03e-04	19.44	2.3	1.57e-04	1.88e-05	0.0	0.0
20	4.383	0.228	0.309	0.29	3.49e-02	40.68	4.9	0.12	1.44e-02	0.0	0.0
21	4.786	0.209	0.267	22.14	2.7	0.0	0.0	1.85e-05	2.22e-06	0.0	0.0
22	5.736	0.174	0.236	0.25	3.03e-02	1.53	0.2	0.07	8.35e-03	0.0	0.0
23	5.940	0.168	0.232	1.62	0.2	9.58	1.1	5.76e-06	0.0	0.0	0.0
24	6.248	0.160	0.227	16.15	1.9	1.26	0.2	0.33	3.97e-02	0.0	0.0
25	6.523	0.153	0.223	8.25	1.0	0.24	2.89e-02	0.11	1.31e-02	0.0	0.0
26	6.741	0.148	0.219	17.88	2.1	0.15	1.82e-02	0.02	2.18e-03	0.0	0.0
27	7.005	0.143	0.215	32.02	3.8	1.10	0.1	0.07	8.21e-03	0.0	0.0
28	7.142	0.140	0.214	2.18	0.3	3.61	0.4	1.16e-04	1.40e-05	0.0	0.0
29	7.352	0.136	0.210	19.26	2.3	0.02	1.89e-03	0.05	5.91e-03	0.0	0.0
30	7.796	0.128	0.204	1.66	0.2	10.67	1.3	4.23e-03	5.07e-04	0.0	0.0
31	8.122	0.123	0.199	6.38	0.8	27.92	3.3	0.07	8.18e-03	0.0	0.0
32	8.223	0.122	0.198	6.14	0.7	1.06	0.1	0.50	6.04e-02	0.0	0.0
33	8.438	0.119	0.199	4.31	0.5	3.43	0.4	0.60	7.20e-02	0.0	0.0
34	8.719	0.115	0.205	5.14e-03	6.16e-04	5.98	0.7	0.13	1.60e-02	0.0	0.0
35	8.921	0.112	0.209	3.32	0.4	15.00	1.8	2.11e-06	0.0	0.0	0.0
36	9.244	0.108	0.216	4.88	0.6	4.37	0.5	0.12	1.39e-02	0.0	0.0
37	9.522	0.105	0.221	0.84	0.1	3.83e-04	4.59e-05	0.0	0.0	0.0	0.0
38	10.700	0.093	0.217	0.93	0.1	1.15	0.1	0.54	6.46e-02	0.0	0.0
39	10.746	0.093	0.216	9.18	1.1	0.10	1.22e-02	1.30	0.2	0.0	0.0
40	10.918	0.092	0.213	0.05	5.94e-03	8.52e-03	1.02e-03	5.00e-03	6.00e-04	0.0	0.0
41	11.346	0.088	0.207	6.38	0.8	7.62e-03	9.13e-04	5.59	0.7	0.0	0.0
42	11.615	0.086	0.203	2.13e-03	2.56e-04	5.46	0.7	1.87e-04	2.25e-05	0.0	0.0
43	12.163	0.082	0.195	5.22e-05	6.25e-06	3.54	0.4	3.47e-03	4.16e-04	0.0	0.0
44	12.465	0.080	0.192	0.44	5.33e-02	0.12	1.40e-02	34.63	4.2	0.0	0.0
45	12.915	0.077	0.185	19.00	2.3	13.69	1.6	0.81	9.77e-02	0.0	0.0
46	13.166	0.076	0.182	7.46	0.9	1.15e-04	1.37e-05	1.67e-03	2.00e-04	0.0	0.0
47	13.409	0.075	0.179	1.47e-03	1.77e-04	0.31	3.74e-02	0.24	2.83e-02	0.0	0.0
48	13.700	0.073	0.175	0.68	8.21e-02	1.64	0.2	0.15	1.80e-02	0.0	0.0
49	14.115	0.071	0.170	0.53	6.39e-02	4.69	0.6	0.31	3.69e-02	0.0	0.0
50	14.303	0.070	0.168	1.00	0.1	2.49	0.3	0.01	1.76e-03	0.0	0.0
51	14.624	0.068	0.165	1.74	0.2	2.10	0.3	1.21	0.1	0.0	0.0
52	14.714	0.068	0.164	0.01	1.52e-03	0.32	3.80e-02	4.37	0.5	0.0	0.0
53	14.954	0.067	0.161	0.39	4.73e-02	0.02	1.94e-03	0.02	2.17e-03	0.0	0.0
54	15.260	0.066	0.158	1.90	0.2	1.27e-03	1.52e-04	0.02	2.05e-03	0.0	0.0
55	15.302	0.065	0.158	0.02	2.21e-03	0.54	6.42e-02	1.05	0.1	0.0	0.0
56	15.347	0.065	0.158	0.10	1.21e-02	0.63	7.56e-02	0.03	3.92e-03	0.0	0.0
57	15.484	0.065	0.156	2.64	0.3	0.01	1.73e-03	0.01	1.49e-03	0.0	0.0
58	15.564	0.064	0.155	1.87	0.2	1.89	0.2	0.01	1.43e-03	0.0	0.0
59	15.653	0.064	0.155	1.21	0.1	4.43	0.5	2.54e-03	3.04e-04	0.0	0.0
60	15.898	0.063	0.152	5.21	0.6	8.17	1.0	0.14	1.63e-02	0.0	0.0
61	16.155	0.062	0.150	0.16	1.97e-02	2.37	0.3	0.03	3.71e-03	0.0	0.0
62	16.334	0.061	0.149	1.08	0.1	5.48e-03	6.58e-04	1.67e-03	2.01e-04	0.0	0.0
63	16.591	0.060	0.146	0.25	3.00e-02	0.28	3.37e-02	9.90	1.2	0.0	0.0
64	16.660	0.060	0.146	3.25	0.4	7.54	0.9	1.20	0.1	0.0	0.0
65	17.106	0.058	0.144	0.27	3.23e-02	7.54e-03	9.04e-04	0.20	2.43e-02	0.0	0.0
66	17.179	0.058	0.144	2.44	0.3	1.36	0.2	1.44	0.2	0.0	0.0
67	17.669	0.057	0.142	0.48	5.79e-02	0.01	1.56e-03	10.63	1.3	0.0	0.0
68	18.008	0.056	0.140	1.89	0.2	3.13	0.4	0.13	1.58e-02	0.0	0.0
69	18.313	0.055	0.139	0.46	5.48e-02	1.71e-04	2.05e-05	0.01	1.46e-03	0.0	0.0
70	18.475	0.054	0.138	0.43	5.17e-02	0.02	2.60e-03	0.02	2.17e-03	0.0	0.0
71	18.824	0.053	0.137	0.85	0.1	2.23	0.3	0.60	7.24e-02	0.0	0.0
72	18.927	0.053	0.137	0.14	1.70e-02	3.67	0.4	5.39	0.6	0.0	0.0
73	19.268	0.052	0.136	2.11	0.3	0.14	1.71e-02	7.32	0.9	0.0	0.0
74	19.434	0.051	0.135	3.36	0.4	1.68	0.2	4.88	0.6	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
75	19.650	0.051	0.134	0.50	6.05e-02	0.23	2.76e-02	1.18	0.1	0.0	0.0
76	20.203	0.049	0.133	0.13	1.55e-02	0.09	1.13e-02	0.22	2.63e-02	0.0	0.0
77	20.933	0.048	0.130	0.81	9.67e-02	1.11	0.1	7.03	0.8	0.0	0.0
78	21.332	0.047	0.129	0.17	2.02e-02	0.05	5.51e-03	1.46	0.2	0.0	0.0
79	21.944	0.046	0.128	0.60	7.19e-02	0.84	0.1	7.40	0.9	0.0	0.0
80	22.263	0.045	0.127	7.75e-03	9.29e-04	0.20	2.41e-02	1.44	0.2	0.0	0.0
81	23.096	0.043	0.125	0.10	1.19e-02	0.40	4.74e-02	3.28	0.4	0.0	0.0
82	23.276	0.043	0.124	0.57	6.83e-02	0.02	2.24e-03	2.38	0.3	0.0	0.0
83	23.449	0.043	0.124	2.80	0.3	4.76e-03	5.71e-04	15.79	1.9	0.0	0.0
84	24.402	0.041	0.122	0.17	2.00e-02	3.24e-03	3.89e-04	5.12	0.6	0.0	0.0
85	25.005	0.040	0.121	0.02	1.87e-03	1.90	0.2	0.09	1.09e-02	0.0	0.0
86	25.304	0.040	0.120	0.61	7.26e-02	1.09e-06	0.0	7.52e-03	9.02e-04	0.0	0.0
87	25.399	0.039	0.120	1.80e-04	2.15e-05	0.16	1.98e-02	0.22	2.65e-02	0.0	0.0
88	25.737	0.039	0.120	3.72	0.4	0.05	5.69e-03	0.11	1.31e-02	0.0	0.0
89	25.890	0.039	0.120	0.22	2.69e-02	2.80e-06	0.0	0.01	1.35e-03	0.0	0.0
90	26.298	0.038	0.120	0.05	5.97e-03	8.47e-04	1.02e-04	1.34	0.2	0.0	0.0
91	26.355	0.038	0.120	0.01	1.65e-03	0.01	1.64e-03	2.50	0.3	0.0	0.0
92	27.100	0.037	0.120	0.04	4.66e-03	0.04	5.16e-03	3.23	0.4	0.0	0.0
93	27.382	0.037	0.120	1.08	0.1	8.38e-05	1.00e-05	0.08	9.00e-03	0.0	0.0
94	28.131	0.036	0.120	2.40e-04	2.88e-05	3.55e-04	4.25e-05	8.17	1.0	0.0	0.0
95	28.251	0.035	0.120	1.28e-04	1.53e-05	6.20e-03	7.44e-04	52.98	6.4	0.0	0.0
96	28.637	0.035	0.119	0.37	4.46e-02	3.07e-03	3.69e-04	0.21	2.56e-02	0.0	0.0
97	29.470	0.034	0.119	0.02	2.86e-03	0.07	8.56e-03	2.73e-05	3.28e-06	0.0	0.0
98	30.316	0.033	0.119	0.33	3.92e-02	1.29	0.2	1.15e-04	1.38e-05	0.0	0.0
99	30.807	0.032	0.119	3.12	0.4	0.13	1.51e-02	0.01	1.58e-03	0.0	0.0
100	31.784	0.031	0.119	0.10	1.25e-02	0.13	1.58e-02	1.30	0.2	0.0	0.0
101	31.819	0.031	0.119	0.09	1.08e-02	0.06	7.10e-03	2.91	0.3	0.0	0.0
102	33.119	0.030	0.118	4.03	0.5	6.72e-03	8.05e-04	0.47	5.61e-02	0.0	0.0
103	34.366	0.029	0.118	4.08	0.5	0.09	1.06e-02	0.32	3.79e-02	0.0	0.0
104	34.494	0.029	0.118	0.04	5.11e-03	5.22e-03	6.25e-04	11.46	1.4	0.0	0.0
105	36.258	0.028	0.118	6.28e-04	7.53e-05	2.16e-03	2.59e-04	5.28	0.6	0.0	0.0
106	36.327	0.028	0.118	1.60e-03	1.92e-04	0.13	1.54e-02	0.72	8.69e-02	0.0	0.0
107	36.715	0.027	0.118	0.16	1.87e-02	1.06e-05	1.27e-06	0.02	2.15e-03	0.0	0.0
108	36.955	0.027	0.118	3.16e-04	3.78e-05	2.51e-04	3.01e-05	26.63	3.2	0.0	0.0
109	37.278	0.027	0.118	1.71e-03	2.05e-04	0.42	4.98e-02	0.09	1.06e-02	0.0	0.0
110	37.396	0.027	0.118	6.21e-04	7.44e-05	0.03	3.31e-03	4.95e-03	5.93e-04	0.0	0.0
111	37.678	0.027	0.118	0.02	2.99e-03	0.01	1.64e-03	1.85e-04	2.22e-05	0.0	0.0
112	38.134	0.026	0.118	0.02	2.62e-03	5.57e-04	6.68e-05	0.01	1.20e-03	0.0	0.0
113	41.227	0.024	0.117	1.01e-03	1.22e-04	8.20e-04	9.83e-05	58.23	7.0	0.0	0.0
114	41.381	0.024	0.117	2.31e-05	2.77e-06	6.00e-03	7.20e-04	1.38e-04	1.66e-05	0.0	0.0
115	41.732	0.024	0.117	0.01	1.74e-03	0.02	2.67e-03	0.25	3.00e-02	0.0	0.0
116	41.770	0.024	0.117	0.04	4.33e-03	0.02	1.82e-03	17.71	2.1	0.0	0.0
117	41.995	0.024	0.117	4.65e-03	5.58e-04	4.42e-03	5.30e-04	0.01	1.36e-03	0.0	0.0
118	42.378	0.024	0.117	2.35e-04	2.81e-05	0.03	4.00e-03	0.03	3.95e-03	0.0	0.0
119	42.601	0.023	0.117	5.33e-03	6.39e-04	8.61e-04	1.03e-04	8.60e-03	1.03e-03	0.0	0.0
120	44.162	0.023	0.117	0.22	2.68e-02	2.53	0.3	2.33e-03	2.79e-04	0.0	0.0
121	45.605	0.022	0.117	1.26e-03	1.51e-04	4.89e-03	5.87e-04	0.07	7.99e-03	0.0	0.0
122	46.393	0.022	0.117	6.89e-05	8.26e-06	0.02	2.54e-03	47.04	5.6	0.0	0.0
123	46.532	0.021	0.117	3.65e-03	4.38e-04	2.78e-03	3.33e-04	2.71	0.3	0.0	0.0
124	46.883	0.021	0.116	7.35e-04	8.82e-05	3.77e-03	4.52e-04	11.85	1.4	0.0	0.0
125	47.132	0.021	0.116	0.24	2.82e-02	1.34	0.2	0.95	0.1	0.0	0.0
126	47.418	0.021	0.116	3.82e-03	4.59e-04	0.05	6.41e-03	9.67	1.2	0.0	0.0
127	48.627	0.021	0.116	1.30e-06	0.0	8.09	1.0	2.79e-03	3.34e-04	0.0	0.0
128	49.257	0.020	0.116	6.32e-05	7.57e-06	8.87e-03	1.06e-03	101.43	12.2	0.0	0.0
129	49.683	0.020	0.116	5.81e-04	6.97e-05	6.63e-03	7.95e-04	1.56	0.2	0.0	0.0
130	50.740	0.020	0.116	9.10e-03	1.09e-03	0.11	1.33e-02	28.78	3.5	0.0	0.0
131	52.820	0.019	0.116	0.0	0.0	2.41e-06	0.0	37.23	4.5	0.0	0.0
132	53.439	0.019	0.116	2.67e-03	3.21e-04	0.02	2.84e-03	1.28	0.2	0.0	0.0
133	54.065	0.018	0.116	1.58e-06	0.0	3.54e-03	4.24e-04	16.70	2.0	0.0	0.0
134	54.247	0.018	0.116	2.89e-03	3.47e-04	0.07	7.99e-03	3.46e-03	4.15e-04	0.0	0.0
135	54.265	0.018	0.116	0.11	1.34e-02	1.00e-04	1.20e-05	5.57e-03	6.67e-04	0.0	0.0
136	54.323	0.018	0.116	3.24	0.4	1.27e-05	1.52e-06	8.03	1.0	0.0	0.0
137	54.546	0.018	0.116	3.99e-04	4.79e-05	9.53e-05	1.14e-05	0.02	2.73e-03	0.0	0.0
138	54.700	0.018	0.116	0.10	1.20e-02	2.37e-03	2.85e-04	0.27	3.22e-02	0.0	0.0
139	54.907	0.018	0.116	2.09	0.3	1.32e-06	0.0	9.13	1.1	0.0	0.0
140	54.996	0.018	0.116	2.95e-03	3.54e-04	0.03	3.31e-03	27.60	3.3	0.0	0.0
141	55.353	0.018	0.116	4.60e-05	5.51e-06	1.48e-04	1.77e-05	5.03e-03	6.03e-04	0.0	0.0
142	58.241	0.017	0.116	1.63e-05	1.95e-06	7.22	0.9	5.18	0.6	0.0	0.0
143	58.960	0.017	0.116	0.05	6.39e-03	3.01e-03	3.60e-04	12.55	1.5	0.0	0.0
144	59.042	0.017	0.116	0.08	9.62e-03	5.51e-03	6.60e-04	21.02	2.5	0.0	0.0
145	59.442	0.017	0.116	4.19e-04	5.02e-05	7.00e-04	8.39e-05	3.61e-03	4.33e-04	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
146	59.911	0.017	0.116	7.79	0.9	0.0	0.0	5.07	0.6	0.0	0.0
147	60.697	0.016	0.116	0.03	3.01e-03	4.26e-04	5.11e-05	3.43	0.4	0.0	0.0
148	60.699	0.016	0.116	4.95e-03	5.94e-04	2.91e-03	3.49e-04	20.92	2.5	0.0	0.0
149	61.066	0.016	0.116	5.41e-03	6.49e-04	2.28e-04	2.74e-05	0.04	4.50e-03	0.0	0.0
150	61.693	0.016	0.116	2.32e-04	2.78e-05	0.0	0.0	14.76	1.8	0.0	0.0
151	61.730	0.016	0.116	3.62e-05	4.33e-06	2.67e-04	3.20e-05	12.77	1.5	0.0	0.0
152	62.371	0.016	0.116	0.88	0.1	0.03	4.04e-03	5.08	0.6	0.0	0.0
153	63.120	0.016	0.116	0.0	0.0	0.23	2.81e-02	0.02	2.96e-03	0.0	0.0
154	65.044	0.015	0.116	0.19	2.28e-02	1.20e-06	0.0	0.03	3.34e-03	0.0	0.0
155	65.307	0.015	0.116	0.06	7.21e-03	7.52e-04	9.02e-05	0.04	4.57e-03	0.0	0.0
156	66.037	0.015	0.116	0.82	9.87e-02	0.04	4.59e-03	1.15	0.1	0.0	0.0
157	69.097	0.014	0.116	2.40e-06	0.0	7.41e-04	8.88e-05	0.13	1.50e-02	0.0	0.0
158	70.051	0.014	0.116	0.11	1.27e-02	1.15e-03	1.37e-04	0.02	1.93e-03	0.0	0.0
159	70.227	0.014	0.116	1.10e-04	1.32e-05	0.02	1.84e-03	0.02	2.38e-03	0.0	0.0
160	70.289	0.014	0.116	3.54e-04	4.24e-05	2.43e-03	2.92e-04	0.05	5.59e-03	0.0	0.0
161	70.931	0.014	0.116	9.20e-04	1.10e-04	0.02	2.81e-03	0.08	9.73e-03	0.0	0.0
162	72.924	0.014	0.116	0.03	3.44e-03	5.67e-04	6.80e-05	0.04	4.67e-03	0.0	0.0
163	73.405	0.014	0.116	1.99e-03	2.39e-04	1.46e-04	1.75e-05	0.49	5.89e-02	0.0	0.0
164	73.734	0.014	0.116	0.01	1.32e-03	8.20e-03	9.84e-04	0.44	5.28e-02	0.0	0.0
165	75.595	0.013	0.116	6.58e-04	7.89e-05	0.08	9.53e-03	0.02	2.33e-03	0.0	0.0
166	76.135	0.013	0.116	3.60e-03	4.32e-04	5.18e-03	6.22e-04	0.31	3.77e-02	0.0	0.0
167	78.631	0.013	0.116	2.23e-03	2.67e-04	0.19	2.31e-02	0.06	7.03e-03	0.0	0.0
168	79.225	0.013	0.116	1.27e-03	1.53e-04	6.03e-05	7.23e-06	0.46	5.52e-02	0.0	0.0
169	79.613	0.013	0.116	1.81e-03	2.17e-04	3.94e-03	4.73e-04	1.04	0.1	0.0	0.0
170	79.951	0.013	0.116	3.38e-05	4.05e-06	2.87e-03	3.45e-04	14.57	1.7	0.0	0.0
171	82.570	0.012	0.116	0.20	2.36e-02	1.42e-03	1.70e-04	0.39	4.72e-02	0.0	0.0
172	83.142	0.012	0.116	1.93e-03	2.31e-04	0.27	3.22e-02	0.92	0.1	0.0	0.0
173	83.665	0.012	0.116	4.39e-04	5.26e-05	0.03	3.64e-03	2.41	0.3	0.0	0.0
174	84.860	0.012	0.116	2.86e-04	3.43e-05	2.36e-03	2.83e-04	1.27	0.2	0.0	0.0
175	87.778	0.011	0.116	3.88e-03	4.66e-04	1.73e-04	2.07e-05	0.02	2.54e-03	0.0	0.0
176	89.054	0.011	0.116	2.40e-06	0.0	0.01	1.31e-03	2.30	0.3	0.0	0.0
177	89.559	0.011	0.116	7.75e-05	9.30e-06	0.26	3.07e-02	0.55	6.65e-02	0.0	0.0
178	91.748	0.011	0.116	4.30e-03	5.16e-04	0.07	7.80e-03	0.02	2.68e-03	0.0	0.0
179	92.158	0.011	0.116	0.05	5.75e-03	4.11e-03	4.92e-04	0.01	1.67e-03	0.0	0.0
180	94.211	0.011	0.116	9.04e-04	1.08e-04	8.20e-04	9.84e-05	0.51	6.11e-02	0.0	0.0
181	96.032	0.010	0.116	2.64e-04	3.17e-05	0.33	3.93e-02	0.17	2.00e-02	0.0	0.0
182	98.429	0.010	0.116	0.02	1.94e-03	6.88e-03	8.24e-04	0.23	2.73e-02	0.0	0.0
183	99.738	0.010	0.116	7.15e-04	8.57e-05	0.03	3.21e-03	1.65	0.2	0.0	0.0
184	100.763	0.010	0.116	1.82e-03	2.18e-04	4.55e-03	5.45e-04	0.67	8.02e-02	0.0	0.0
185	105.099	0.010	0.116	3.76e-04	4.51e-05	1.23e-03	1.48e-04	2.21	0.3	0.0	0.0
186	106.493	0.009	0.116	3.48e-04	4.17e-05	6.15e-04	7.38e-05	5.03	0.6	0.0	0.0
187	107.986	0.009	0.116	4.05e-03	4.85e-04	5.34e-04	6.40e-05	0.87	0.1	0.0	0.0
188	109.584	0.009	0.116	2.34e-05	2.81e-06	0.07	8.39e-03	0.04	4.86e-03	0.0	0.0
189	113.424	0.009	0.116	4.10e-04	4.92e-05	2.59e-04	3.11e-05	0.76	9.08e-02	0.0	0.0
190	116.999	0.009	0.116	1.58e-06	0.0	0.01	1.54e-03	0.04	4.47e-03	0.0	0.0
191	124.081	0.008	0.116	0.04	4.78e-03	3.67e-04	4.40e-05	0.02	2.37e-03	0.0	0.0
192	126.596	0.008	0.116	0.50	5.96e-02	0.06	6.77e-03	1.87e-05	2.24e-06	0.0	0.0
193	132.332	0.008	0.116	8.72e-03	1.05e-03	8.91e-03	1.07e-03	0.42	5.09e-02	0.0	0.0
194	135.337	0.007	0.116	8.78e-03	1.05e-03	6.55e-03	7.85e-04	3.39	0.4	0.0	0.0
195	139.073	0.007	0.116	0.29	3.44e-02	0.25	3.03e-02	3.18e-03	3.82e-04	0.0	0.0
196	146.215	0.007	0.116	4.37e-03	5.24e-04	9.01e-03	1.08e-03	16.85	2.0	0.0	0.0
197	148.882	0.007	0.116	0.09	1.11e-02	0.10	1.15e-02	0.07	8.21e-03	0.0	0.0
198	150.626	0.007	0.116	0.14	1.67e-02	0.02	2.44e-03	0.58	6.99e-02	0.0	0.0
199	154.420	0.006	0.116	0.13	1.60e-02	0.02	1.99e-03	6.71	0.8	0.0	0.0
200	155.716	0.006	0.116	0.17	2.08e-02	0.08	9.19e-03	3.32	0.4	0.0	0.0
201	170.444	0.006	0.116	0.23	2.79e-02	0.08	9.41e-03	0.46	5.56e-02	0.0	0.0
202	173.897	0.006	0.116	5.11e-05	6.12e-06	9.41e-06	1.13e-06	10.96	1.3	0.0	0.0
203	176.806	0.006	0.116	0.03	3.68e-03	0.10	1.22e-02	7.84e-06	0.0	0.0	0.0
204	186.898	0.005	0.116	0.09	1.08e-02	0.03	3.81e-03	0.40	4.74e-02	0.0	0.0
205	192.469	0.005	0.116	6.00e-04	7.19e-05	0.03	3.02e-03	1.26	0.2	0.0	0.0
206	194.554	0.005	0.116	0.05	5.43e-03	0.04	4.24e-03	0.61	7.27e-02	0.0	0.0
207	213.039	0.005	0.116	0.05	6.01e-03	0.01	1.39e-03	0.05	6.27e-03	0.0	0.0
208	219.341	0.005	0.116	4.66e-03	5.59e-04	0.07	8.54e-03	1.71e-03	2.05e-04	0.0	0.0
209	220.784	0.005	0.116	5.15e-04	6.17e-05	6.71e-04	8.05e-05	4.45	0.5	0.0	0.0
210	260.551	0.004	0.116	0.05	6.56e-03	0.05	5.50e-03	0.03	3.48e-03	0.0	0.0
211	263.897	0.004	0.116	3.73e-03	4.47e-04	0.05	5.70e-03	0.28	3.38e-02	0.0	0.0
212	265.546	0.004	0.116	1.32e-03	1.59e-04	3.81e-03	4.56e-04	2.35	0.3	0.0	0.0
213	290.562	0.003	0.116	3.02e-03	3.62e-04	0.07	8.15e-03	1.11e-03	1.33e-04	0.0	0.0
214	304.050	0.003	0.116	0.13	1.61e-02	8.48e-04	1.02e-04	3.05e-03	3.66e-04	0.0	0.0
215	334.211	0.003	0.116	2.17e-03	2.60e-04	1.87e-06	0.0	0.79	9.51e-02	0.0	0.0
216	358.137	0.003	0.116	0.01	1.36e-03	1.92e-04	2.30e-05	0.08	1.01e-02	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
217	385.392	0.003	0.116	2.38e-04	2.86e-05	2.11e-03	2.53e-04	1.34e-03	1.60e-04	0.0	0.0
218	414.062	0.002	0.116	1.03e-04	1.23e-05	1.69e-04	2.02e-05	0.89	0.1	0.0	0.0
219	547.766	0.002	0.116	8.11e-04	9.72e-05	7.17e-04	8.60e-05	0.27	3.26e-02	0.0	0.0
220	559.019	0.002	0.116	3.92e-03	4.71e-04	6.96e-04	8.35e-05	0.15	1.82e-02	0.0	0.0
221	605.067	0.002	0.116	1.46e-04	1.75e-05	3.59e-05	4.30e-06	0.55	6.65e-02	0.0	0.0
222	821.320	0.001	0.116	2.04e-04	2.45e-05	5.40e-04	6.48e-05	3.15e-03	3.78e-04	0.0	0.0
223	915.271	0.001	0.116	5.66e-04	6.79e-05	2.85e-05	3.42e-06	0.08	9.13e-03	0.0	0.0
224	957.242	0.001	0.116	6.01e-05	7.21e-06	9.31e-06	1.12e-06	0.28	3.37e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
14	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.343 sec.
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	0.0	0.40	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	0.0	0.54	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	0.0	0.54	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	0.0	0.30	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	0.0	0.54	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	0.0	0.38	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	0.0	0.08	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.861	1.161	0.089	9.51	1.1	4.90e-04	5.87e-05	0.0	0.0	0.0	0.0
2	0.864	1.157	0.089	0.03	3.55e-03	0.0	0.0	5.36e-06	0.0	0.0	0.0
3	1.027	0.974	0.097	1.98e-03	2.37e-04	11.57	1.4	1.17e-05	1.40e-06	0.0	0.0
4	1.032	0.969	0.097	1.41e-04	1.69e-05	0.03	3.16e-03	1.34e-05	1.60e-06	0.0	0.0
5	1.325	0.755	0.116	4.07e-03	4.88e-04	11.19	1.3	1.48e-06	0.0	0.0	0.0
6	1.327	0.754	0.116	1.20e-04	1.43e-05	0.03	3.76e-03	8.08e-06	0.0	0.0	0.0
7	1.418	0.705	0.134	9.81	1.2	8.37e-03	1.00e-03	0.0	0.0	0.0	0.0
8	1.420	0.704	0.135	0.03	3.77e-03	6.58e-06	0.0	6.19e-06	0.0	0.0	0.0
9	1.512	0.662	0.156	2.14e-06	0.0	3.66	0.4	0.0	0.0	0.0	0.0
10	1.589	0.629	0.182	6.06	0.7	2.21e-06	0.0	1.43e-05	1.71e-06	0.0	0.0
11	1.597	0.626	0.185	0.01	1.47e-03	1.40e-04	1.68e-05	1.37e-05	1.64e-06	0.0	0.0
12	2.221	0.450	0.263	1.26	0.2	12.60	1.5	2.46e-04	2.94e-05	0.0	0.0
13	2.359	0.424	0.261	183.63	22.0	340.08	40.8	0.04	4.85e-03	0.0	0.0
14	2.912	0.343	0.303	267.98	32.1	179.85	21.6	0.02	2.09e-03	0.0	0.0
15	3.536	0.283	0.353	13.68	1.6	0.49	5.87e-02	2.73e-03	3.28e-04	0.0	0.0
16	3.577	0.280	0.350	66.91	8.0	19.43	2.3	1.40e-04	1.68e-05	0.0	0.0
17	4.084	0.245	0.353	0.52	6.28e-02	0.03	4.19e-03	0.03	3.08e-03	0.0	0.0
18	4.258	0.235	0.331	3.42e-03	4.10e-04	18.09	2.2	2.19e-04	2.63e-05	0.0	0.0
19	4.274	0.234	0.328	0.04	4.99e-03	2.29	0.3	1.16e-03	1.39e-04	0.0	0.0
20	4.379	0.228	0.310	0.15	1.74e-02	45.56	5.5	0.12	1.40e-02	0.0	0.0
21	5.176	0.193	0.249	24.26	2.9	0.03	3.35e-03	0.23	2.73e-02	0.0	0.0
22	5.588	0.179	0.239	16.37	2.0	1.21e-04	1.45e-05	1.80e-05	2.15e-06	0.0	0.0
23	5.839	0.171	0.234	4.10e-03	4.92e-04	0.16	1.96e-02	2.29e-03	2.74e-04	0.0	0.0
24	5.946	0.168	0.232	3.71	0.4	10.33	1.2	3.98e-03	4.77e-04	0.0	0.0
25	6.399	0.156	0.225	2.28	0.3	1.39	0.2	4.49e-03	5.39e-04	0.0	0.0
26	6.827	0.146	0.218	1.00	0.1	0.06	6.64e-03	1.48e-03	1.77e-04	0.0	0.0
27	6.990	0.143	0.216	28.70	3.4	1.01	0.1	0.04	4.65e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
28	7.200	0.139	0.213	0.14	1.63e-02	4.69	0.6	1.40e-03	1.68e-04	0.0	0.0
29	7.388	0.135	0.210	42.71	5.1	0.76	9.11e-02	0.13	1.61e-02	0.0	0.0
30	7.837	0.128	0.203	0.14	1.68e-02	24.16	2.9	0.02	2.50e-03	0.0	0.0
31	8.065	0.124	0.200	1.63	0.2	2.84	0.3	0.08	9.09e-03	0.0	0.0
32	8.349	0.120	0.197	0.35	4.19e-02	0.84	0.1	1.03	0.1	0.0	0.0
33	8.412	0.119	0.198	15.49	1.9	9.75	1.2	0.08	1.02e-02	0.0	0.0
34	8.806	0.114	0.207	2.94	0.4	25.01	3.0	0.10	1.20e-02	0.0	0.0
35	8.989	0.111	0.211	3.98	0.5	0.04	5.39e-03	0.11	1.32e-02	0.0	0.0
36	9.404	0.106	0.219	1.08	0.1	2.05	0.2	7.44e-03	8.92e-04	0.0	0.0
37	9.856	0.101	0.227	7.00	0.8	0.25	2.96e-02	0.93	0.1	0.0	0.0
38	10.044	0.100	0.228	4.92	0.6	0.02	1.81e-03	2.18	0.3	0.0	0.0
39	10.181	0.098	0.226	6.11	0.7	0.19	2.27e-02	1.68	0.2	0.0	0.0
40	10.468	0.096	0.220	6.02e-04	7.21e-05	0.58	6.93e-02	7.19e-03	8.62e-04	0.0	0.0
41	10.818	0.092	0.215	2.06	0.2	2.13	0.3	0.02	2.01e-03	0.0	0.0
42	11.615	0.086	0.203	2.55e-04	3.06e-05	5.51	0.7	8.46e-04	1.01e-04	0.0	0.0
43	12.166	0.082	0.195	0.04	4.72e-03	4.15	0.5	4.29e-03	5.14e-04	0.0	0.0
44	12.425	0.080	0.192	15.70	1.9	6.61	0.8	9.23	1.1	0.0	0.0
45	12.492	0.080	0.191	6.03	0.7	2.62	0.3	26.50	3.2	0.0	0.0
46	13.128	0.076	0.183	3.92	0.5	0.44	5.30e-02	2.69e-03	3.23e-04	0.0	0.0
47	13.415	0.075	0.179	0.39	4.68e-02	1.39	0.2	0.27	3.28e-02	0.0	0.0
48	13.599	0.074	0.177	0.72	8.66e-02	7.45	0.9	3.19e-04	3.83e-05	0.0	0.0
49	13.880	0.072	0.173	0.40	4.84e-02	2.00	0.2	0.11	1.32e-02	0.0	0.0
50	14.317	0.070	0.168	0.02	2.60e-03	0.15	1.76e-02	0.54	6.51e-02	0.0	0.0
51	14.515	0.069	0.166	4.71e-03	5.64e-04	2.89	0.3	0.14	1.69e-02	0.0	0.0
52	14.715	0.068	0.164	4.81e-03	5.77e-04	0.35	4.24e-02	5.33	0.6	0.0	0.0
53	14.906	0.067	0.162	0.40	4.77e-02	0.08	9.85e-03	0.02	2.78e-03	0.0	0.0
54	15.141	0.066	0.160	0.36	4.30e-02	0.03	3.11e-03	0.15	1.86e-02	0.0	0.0
55	15.302	0.065	0.158	0.03	3.51e-03	0.61	7.35e-02	1.76	0.2	0.0	0.0
56	15.349	0.065	0.157	0.12	1.38e-02	0.01	1.26e-03	6.36	0.8	0.0	0.0
57	15.401	0.065	0.157	0.07	8.44e-03	0.48	5.79e-02	0.88	0.1	0.0	0.0
58	15.541	0.064	0.156	0.98	0.1	5.60	0.7	0.01	1.29e-03	0.0	0.0
59	15.635	0.064	0.155	3.14	0.4	1.67	0.2	0.01	1.26e-03	0.0	0.0
60	15.829	0.063	0.153	4.15	0.5	2.01	0.2	2.10e-03	2.52e-04	0.0	0.0
61	16.091	0.062	0.151	0.92	0.1	6.56e-04	7.86e-05	2.48e-04	2.97e-05	0.0	0.0
62	16.154	0.062	0.150	0.38	4.60e-02	5.59	0.7	0.08	9.29e-03	0.0	0.0
63	16.336	0.061	0.149	1.14	0.1	0.31	3.74e-02	0.01	1.29e-03	0.0	0.0
64	16.593	0.060	0.146	0.08	9.82e-03	0.56	6.71e-02	10.50	1.3	0.0	0.0
65	16.742	0.060	0.145	2.71	0.3	10.43	1.3	0.80	9.60e-02	0.0	0.0
66	16.774	0.060	0.145	6.19	0.7	0.42	5.08e-02	0.02	2.13e-03	0.0	0.0
67	17.498	0.057	0.142	0.89	0.1	1.11	0.1	0.19	2.25e-02	0.0	0.0
68	17.726	0.056	0.141	1.46	0.2	0.09	1.04e-02	1.26	0.2	0.0	0.0
69	17.963	0.056	0.140	0.27	3.30e-02	2.90	0.3	2.93e-05	3.51e-06	0.0	0.0
70	18.272	0.055	0.139	0.28	3.30e-02	0.03	3.28e-03	0.06	6.97e-03	0.0	0.0
71	18.423	0.054	0.139	6.45	0.8	0.27	3.20e-02	1.60	0.2	0.0	0.0
72	18.554	0.054	0.138	2.64	0.3	0.03	3.72e-03	0.06	7.31e-03	0.0	0.0
73	18.887	0.053	0.137	1.05	0.1	5.14	0.6	5.45	0.7	0.0	0.0
74	18.931	0.053	0.137	1.16	0.1	0.25	3.03e-02	2.61	0.3	0.0	0.0
75	18.973	0.053	0.137	2.49	0.3	0.79	9.47e-02	0.69	8.22e-02	0.0	0.0
76	19.748	0.051	0.134	1.03	0.1	1.05	0.1	0.08	9.20e-03	0.0	0.0
77	20.317	0.049	0.132	0.14	1.68e-02	0.07	8.50e-03	3.36	0.4	0.0	0.0
78	20.521	0.049	0.132	0.26	3.12e-02	0.09	1.11e-02	17.79	2.1	0.0	0.0
79	21.792	0.046	0.128	0.26	3.16e-02	1.49	0.2	1.00	0.1	0.0	0.0
80	22.111	0.045	0.127	0.27	3.26e-02	0.44	5.22e-02	3.37	0.4	0.0	0.0
81	22.382	0.045	0.126	2.31e-03	2.77e-04	0.29	3.44e-02	20.14	2.4	0.0	0.0
82	23.168	0.043	0.125	2.23e-03	2.67e-04	0.11	1.30e-02	10.93	1.3	0.0	0.0
83	23.859	0.042	0.123	0.53	6.37e-02	8.81e-03	1.06e-03	0.53	6.36e-02	0.0	0.0
84	23.937	0.042	0.123	1.22	0.1	7.31e-03	8.77e-04	1.46e-03	1.75e-04	0.0	0.0
85	24.883	0.040	0.121	0.05	6.05e-03	1.94	0.2	0.02	1.84e-03	0.0	0.0
86	25.292	0.040	0.120	0.06	7.65e-03	1.19e-03	1.43e-04	0.01	1.31e-03	0.0	0.0
87	25.399	0.039	0.120	8.67e-04	1.04e-04	0.17	2.00e-02	0.22	2.61e-02	0.0	0.0
88	25.611	0.039	0.120	0.47	5.63e-02	1.10e-03	1.32e-04	0.01	1.52e-03	0.0	0.0
89	25.813	0.039	0.120	0.05	6.48e-03	0.04	4.61e-03	3.28	0.4	0.0	0.0
90	26.298	0.038	0.120	5.01e-03	6.00e-04	4.49e-03	5.39e-04	0.02	1.99e-03	0.0	0.0
91	26.377	0.038	0.120	0.02	2.98e-03	0.02	1.92e-03	1.22	0.1	0.0	0.0
92	26.904	0.037	0.120	1.43	0.2	1.91e-03	2.29e-04	0.12	1.39e-02	0.0	0.0
93	27.250	0.037	0.120	2.30	0.3	0.03	3.91e-03	0.04	4.68e-03	0.0	0.0
94	28.108	0.036	0.120	4.75e-03	5.69e-04	2.21e-04	2.65e-05	12.88	1.5	0.0	0.0
95	28.247	0.035	0.120	5.72e-03	6.86e-04	8.85e-03	1.06e-03	49.86	6.0	0.0	0.0
96	28.764	0.035	0.119	3.20e-03	3.84e-04	0.02	2.09e-03	0.23	2.76e-02	0.0	0.0
97	29.052	0.034	0.119	0.91	0.1	8.58e-03	1.03e-03	0.03	3.07e-03	0.0	0.0
98	29.480	0.034	0.119	5.71	0.7	0.56	6.72e-02	0.07	8.05e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
99	30.026	0.033	0.119	1.22	0.1	0.02	2.69e-03	0.05	6.48e-03	0.0	0.0
100	30.480	0.033	0.119	1.56	0.2	0.68	8.13e-02	0.03	3.26e-03	0.0	0.0
101	31.261	0.032	0.119	0.22	2.69e-02	0.39	4.65e-02	0.01	1.55e-03	0.0	0.0
102	31.768	0.031	0.119	0.01	1.24e-03	3.50e-05	4.19e-06	4.71	0.6	0.0	0.0
103	34.495	0.029	0.118	8.73e-05	1.05e-05	0.01	1.34e-03	10.91	1.3	0.0	0.0
104	36.131	0.028	0.118	4.21	0.5	0.03	3.46e-03	2.39	0.3	0.0	0.0
105	36.252	0.028	0.118	0.06	7.04e-03	9.11e-05	1.09e-05	4.79	0.6	0.0	0.0
106	36.325	0.028	0.118	0.03	3.25e-03	0.14	1.66e-02	0.43	5.13e-02	0.0	0.0
107	36.582	0.027	0.118	0.26	3.16e-02	2.24e-05	2.69e-06	0.06	6.81e-03	0.0	0.0
108	36.960	0.027	0.118	1.52e-03	1.82e-04	1.76e-04	2.10e-05	26.20	3.1	0.0	0.0
109	37.283	0.027	0.118	0.01	1.44e-03	0.44	5.22e-02	0.09	1.13e-02	0.0	0.0
110	37.373	0.027	0.118	4.47e-05	5.36e-06	0.01	1.59e-03	3.18e-03	3.81e-04	0.0	0.0
111	37.505	0.027	0.118	0.03	3.90e-03	7.49e-03	8.98e-04	0.01	1.28e-03	0.0	0.0
112	37.765	0.026	0.118	0.16	1.96e-02	7.10e-03	8.51e-04	0.01	1.67e-03	0.0	0.0
113	40.397	0.025	0.117	0.02	1.93e-03	1.50e-06	0.0	0.02	2.97e-03	0.0	0.0
114	41.206	0.024	0.117	4.58e-05	5.49e-06	5.26e-04	6.31e-05	59.81	7.2	0.0	0.0
115	41.390	0.024	0.117	3.12e-06	0.0	5.89e-03	7.07e-04	0.02	2.66e-03	0.0	0.0
116	41.710	0.024	0.117	0.02	2.11e-03	9.08e-03	1.09e-03	1.02	0.1	0.0	0.0
117	41.755	0.024	0.117	0.01	1.47e-03	0.03	3.45e-03	16.91	2.0	0.0	0.0
118	41.983	0.024	0.117	6.70e-03	8.04e-04	3.61e-03	4.33e-04	4.24e-03	5.08e-04	0.0	0.0
119	42.377	0.024	0.117	3.70e-03	4.44e-04	9.84e-03	1.18e-03	0.03	3.16e-03	0.0	0.0
120	43.209	0.023	0.117	0.25	2.95e-02	1.83	0.2	0.03	3.06e-03	0.0	0.0
121	45.601	0.022	0.117	8.33e-06	0.0	6.25e-06	0.0	0.45	5.37e-02	0.0	0.0
122	46.203	0.022	0.117	9.45	1.1	5.05e-05	6.05e-06	6.16e-03	7.38e-04	0.0	0.0
123	46.318	0.022	0.117	3.66e-03	4.38e-04	0.02	2.90e-03	39.48	4.7	0.0	0.0
124	46.459	0.022	0.117	1.55e-03	1.86e-04	0.04	4.32e-03	6.44	0.8	0.0	0.0
125	46.615	0.021	0.117	0.10	1.22e-02	2.07	0.2	0.02	1.95e-03	0.0	0.0
126	46.898	0.021	0.116	1.41e-03	1.69e-04	0.05	5.99e-03	11.63	1.4	0.0	0.0
127	47.384	0.021	0.116	3.50e-05	4.20e-06	0.03	3.78e-03	13.51	1.6	0.0	0.0
128	48.627	0.021	0.116	1.75e-06	0.0	8.08	1.0	2.24e-03	2.68e-04	0.0	0.0
129	49.254	0.020	0.116	1.74e-04	2.09e-05	0.01	1.30e-03	99.91	12.0	0.0	0.0
130	49.698	0.020	0.116	6.63e-04	7.95e-05	4.44e-03	5.32e-04	3.20	0.4	0.0	0.0
131	50.832	0.020	0.116	0.01	1.23e-03	0.12	1.40e-02	28.20	3.4	0.0	0.0
132	52.821	0.019	0.116	1.07e-06	0.0	3.61e-06	0.0	37.18	4.5	0.0	0.0
133	53.441	0.019	0.116	2.05e-03	2.46e-04	0.03	3.06e-03	1.42	0.2	0.0	0.0
134	53.535	0.019	0.116	8.72e-04	1.05e-04	0.0	0.0	16.14	1.9	0.0	0.0
135	54.065	0.018	0.116	0.0	0.0	3.54e-03	4.24e-04	16.74	2.0	0.0	0.0
136	54.247	0.018	0.116	0.0	0.0	0.07	7.99e-03	3.73e-06	0.0	0.0	0.0
137	54.537	0.018	0.116	4.33e-05	5.19e-06	4.50e-05	5.39e-06	0.01	1.73e-03	0.0	0.0
138	54.633	0.018	0.116	0.08	9.49e-03	1.70e-06	0.0	2.03e-05	2.43e-06	0.0	0.0
139	54.975	0.018	0.116	5.20e-03	6.23e-04	0.03	3.12e-03	28.58	3.4	0.0	0.0
140	55.358	0.018	0.116	3.83e-05	4.59e-06	1.32e-04	1.58e-05	2.91e-03	3.49e-04	0.0	0.0
141	56.771	0.018	0.116	7.44	0.9	1.44e-05	1.73e-06	5.61	0.7	0.0	0.0
142	56.847	0.018	0.116	0.07	8.65e-03	1.92e-03	2.30e-04	0.04	5.04e-03	0.0	0.0
143	58.241	0.017	0.116	0.0	0.0	7.22	0.9	5.16	0.6	0.0	0.0
144	58.986	0.017	0.116	0.02	1.95e-03	1.90e-04	2.27e-05	4.31	0.5	0.0	0.0
145	59.089	0.017	0.116	0.09	1.13e-02	2.21e-03	2.65e-04	30.35	3.6	0.0	0.0
146	59.446	0.017	0.116	6.32e-04	7.58e-05	7.70e-04	9.23e-05	0.03	3.51e-03	0.0	0.0
147	60.688	0.016	0.116	1.37e-04	1.64e-05	1.34e-05	1.60e-06	11.20	1.3	0.0	0.0
148	60.699	0.016	0.116	1.61e-06	0.0	3.44e-03	4.13e-04	13.73	1.6	0.0	0.0
149	61.146	0.016	0.116	6.08e-03	7.29e-04	9.67e-05	1.16e-05	5.70e-03	6.84e-04	0.0	0.0
150	61.315	0.016	0.116	0.28	3.37e-02	0.0	0.0	9.10e-04	1.09e-04	0.0	0.0
151	61.696	0.016	0.116	4.44e-04	5.32e-05	2.16e-06	0.0	17.34	2.1	0.0	0.0
152	61.734	0.016	0.116	1.89e-06	0.0	2.36e-04	2.83e-05	10.12	1.2	0.0	0.0
153	63.119	0.016	0.116	9.15e-06	1.10e-06	0.23	2.81e-02	0.02	2.94e-03	0.0	0.0
154	63.806	0.016	0.116	1.24	0.1	0.02	2.85e-03	3.48	0.4	0.0	0.0
155	65.100	0.015	0.116	0.47	5.63e-02	0.05	5.72e-03	1.59	0.2	0.0	0.0
156	67.164	0.015	0.116	6.25e-04	7.49e-05	6.36e-04	7.63e-05	0.05	6.30e-03	0.0	0.0
157	69.045	0.014	0.116	1.33e-04	1.60e-05	5.93e-04	7.11e-05	0.16	1.93e-02	0.0	0.0
158	70.227	0.014	0.116	1.45e-04	1.73e-05	0.02	1.94e-03	1.46e-03	1.74e-04	0.0	0.0
159	70.283	0.014	0.116	4.84e-05	5.80e-06	9.90e-04	1.19e-04	0.03	3.06e-03	0.0	0.0
160	70.439	0.014	0.116	2.43e-03	2.91e-04	2.15e-03	2.58e-04	0.30	3.59e-02	0.0	0.0
161	70.924	0.014	0.116	7.20e-04	8.64e-05	0.02	2.88e-03	0.07	8.08e-03	0.0	0.0
162	73.302	0.014	0.116	1.53e-03	1.84e-04	4.76e-04	5.71e-05	0.31	3.69e-02	0.0	0.0
163	75.105	0.013	0.116	0.18	2.17e-02	1.06e-03	1.27e-04	0.04	4.30e-03	0.0	0.0
164	75.535	0.013	0.116	2.22e-03	2.66e-04	0.09	1.08e-02	1.13e-03	1.35e-04	0.0	0.0
165	76.168	0.013	0.116	0.05	5.61e-03	0.0	0.0	0.21	2.48e-02	0.0	0.0
166	77.266	0.013	0.116	0.01	1.38e-03	4.02e-05	4.82e-06	0.61	7.33e-02	0.0	0.0
167	78.566	0.013	0.116	1.90e-03	2.28e-04	0.16	1.86e-02	0.02	2.20e-03	0.0	0.0
168	78.886	0.013	0.116	4.24e-03	5.08e-04	0.04	5.32e-03	0.06	7.62e-03	0.0	0.0
169	79.895	0.013	0.116	2.85e-04	3.42e-05	7.60e-04	9.11e-05	15.54	1.9	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
170	81.514	0.012	0.116	0.02	2.67e-03	2.03e-03	2.44e-04	0.63	7.58e-02	0.0	0.0
171	82.381	0.012	0.116	0.04	5.32e-03	7.09e-03	8.50e-04	8.60e-03	1.03e-03	0.0	0.0
172	83.160	0.012	0.116	0.01	1.20e-03	0.26	3.07e-02	0.67	8.03e-02	0.0	0.0
173	83.572	0.012	0.116	1.72e-04	2.06e-05	0.03	3.64e-03	4.13	0.5	0.0	0.0
174	85.679	0.012	0.116	6.99e-04	8.38e-05	0.02	2.81e-03	0.87	0.1	0.0	0.0
175	86.550	0.012	0.116	2.64e-03	3.16e-04	6.15e-04	7.37e-05	0.01	1.42e-03	0.0	0.0
176	87.925	0.011	0.116	4.50e-04	5.39e-05	2.43e-04	2.92e-05	0.77	9.21e-02	0.0	0.0
177	89.837	0.011	0.116	1.28e-04	1.54e-05	0.29	3.49e-02	0.80	9.62e-02	0.0	0.0
178	91.817	0.011	0.116	4.00e-06	0.0	0.02	2.54e-03	0.43	5.12e-02	0.0	0.0
179	92.504	0.011	0.116	0.05	6.37e-03	2.27e-05	2.72e-06	4.98e-04	5.97e-05	0.0	0.0
180	94.908	0.011	0.116	2.53e-04	3.03e-05	0.06	7.59e-03	0.32	3.81e-02	0.0	0.0
181	95.969	0.010	0.116	2.44e-03	2.92e-04	0.17	2.02e-02	0.22	2.60e-02	0.0	0.0
182	96.495	0.010	0.116	3.83e-03	4.59e-04	0.08	1.01e-02	0.27	3.26e-02	0.0	0.0
183	98.897	0.010	0.116	6.78e-03	8.13e-04	0.06	6.72e-03	0.86	0.1	0.0	0.0
184	101.746	0.010	0.116	7.19e-03	8.62e-04	4.06e-04	4.87e-05	0.02	2.54e-03	0.0	0.0
185	102.382	0.010	0.116	1.17e-03	1.40e-04	2.74e-03	3.29e-04	3.52	0.4	0.0	0.0
186	106.161	0.009	0.116	2.05e-05	2.46e-06	7.43e-04	8.91e-05	6.84	0.8	0.0	0.0
187	108.325	0.009	0.116	1.08e-03	1.29e-04	0.02	2.40e-03	0.20	2.45e-02	0.0	0.0
188	109.147	0.009	0.116	5.95e-03	7.13e-04	0.01	1.62e-03	0.02	2.86e-03	0.0	0.0
189	110.192	0.009	0.116	3.00e-04	3.59e-05	0.04	4.65e-03	0.02	2.12e-03	0.0	0.0
190	116.664	0.009	0.116	1.43e-05	1.72e-06	0.01	1.51e-03	0.03	4.09e-03	0.0	0.0
191	131.822	0.008	0.116	0.05	6.46e-03	0.14	1.67e-02	0.09	1.07e-02	0.0	0.0
192	133.378	0.007	0.116	0.02	1.90e-03	5.72e-03	6.86e-04	2.43	0.3	0.0	0.0
193	134.034	0.007	0.116	0.08	9.20e-03	6.24e-03	7.48e-04	0.54	6.43e-02	0.0	0.0
194	138.009	0.007	0.116	0.87	0.1	0.04	4.48e-03	2.63e-04	3.15e-05	0.0	0.0
195	142.511	0.007	0.116	1.64e-03	1.97e-04	0.11	1.32e-02	0.32	3.80e-02	0.0	0.0
196	145.363	0.007	0.116	0.07	8.19e-03	8.20e-04	9.83e-05	13.09	1.6	0.0	0.0
197	147.820	0.007	0.116	0.29	3.46e-02	5.21e-04	6.25e-05	2.85	0.3	0.0	0.0
198	148.815	0.007	0.116	8.07e-04	9.67e-05	0.21	2.49e-02	3.65	0.4	0.0	0.0
199	155.182	0.006	0.116	7.42e-03	8.89e-04	7.08e-03	8.49e-04	6.72	0.8	0.0	0.0
200	163.922	0.006	0.116	0.26	3.10e-02	1.96e-04	2.35e-05	1.86	0.2	0.0	0.0
201	169.436	0.006	0.116	0.04	5.39e-03	0.14	1.64e-02	0.03	4.18e-03	0.0	0.0
202	171.814	0.006	0.116	6.50e-05	7.79e-06	1.80e-03	2.16e-04	10.66	1.3	0.0	0.0
203	176.815	0.006	0.116	0.12	1.39e-02	0.04	4.71e-03	0.17	2.05e-02	0.0	0.0
204	186.020	0.005	0.116	0.01	1.69e-03	0.09	1.12e-02	0.08	1.00e-02	0.0	0.0
205	190.897	0.005	0.116	0.02	2.55e-03	0.01	1.49e-03	1.86	0.2	0.0	0.0
206	196.704	0.005	0.116	0.02	2.26e-03	6.37e-03	7.64e-04	1.05	0.1	0.0	0.0
207	215.931	0.005	0.116	2.54e-03	3.05e-04	0.09	1.03e-02	0.02	2.32e-03	0.0	0.0
208	218.856	0.005	0.116	0.02	1.91e-03	1.39e-03	1.67e-04	1.60	0.2	0.0	0.0
209	222.904	0.004	0.116	4.66e-03	5.59e-04	1.08e-03	1.30e-04	2.66	0.3	0.0	0.0
210	258.051	0.004	0.116	1.54e-03	1.85e-04	0.08	9.55e-03	5.33e-03	6.39e-04	0.0	0.0
211	265.171	0.004	0.116	8.27e-04	9.92e-05	1.18e-04	1.41e-05	2.64	0.3	0.0	0.0
212	268.414	0.004	0.116	0.16	1.95e-02	0.02	1.92e-03	0.03	3.87e-03	0.0	0.0
213	287.969	0.003	0.116	6.84e-04	8.20e-05	0.07	8.44e-03	0.01	1.61e-03	0.0	0.0
214	297.834	0.003	0.116	0.05	6.39e-03	4.02e-03	4.82e-04	0.03	3.36e-03	0.0	0.0
215	336.937	0.003	0.116	3.17e-03	3.80e-04	6.60e-05	7.91e-06	0.79	9.42e-02	0.0	0.0
216	358.220	0.003	0.116	8.48e-03	1.02e-03	3.68e-04	4.42e-05	0.07	8.62e-03	0.0	0.0
217	365.264	0.003	0.116	8.44e-05	1.01e-05	2.79e-03	3.34e-04	8.20e-03	9.83e-04	0.0	0.0
218	414.199	0.002	0.116	2.52e-04	3.03e-05	1.27e-04	1.52e-05	0.86	0.1	0.0	0.0
219	532.783	0.002	0.116	7.71e-06	0.0	1.37e-03	1.64e-04	0.07	8.86e-03	0.0	0.0
220	556.697	0.002	0.116	4.42e-03	5.29e-04	1.09e-04	1.31e-05	0.46	5.49e-02	0.0	0.0
221	617.044	0.002	0.116	4.15e-04	4.98e-05	7.49e-05	8.98e-06	0.46	5.53e-02	0.0	0.0
222	806.750	0.001	0.116	1.47e-04	1.77e-05	6.21e-04	7.44e-05	3.27e-05	3.92e-06	0.0	0.0
223	934.000	0.001	0.116	5.91e-04	7.08e-05	1.10e-05	1.32e-06	0.04	4.85e-03	0.0	0.0
224	954.690	0.001	0.116	2.43e-05	2.91e-06	9.66e-06	1.16e-06	0.31	3.73e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
15	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.425 sec.
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	0.40	0.0	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	0.54	0.0	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	0.54	0.0	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	0.30	0.0	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	0.54	0.0	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	0.38	0.0	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	0.08	0.0	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.843	1.187	0.088	9.92	1.2	2.64e-04	3.17e-05	0.0	0.0	0.0	0.0
2	0.846	1.182	0.089	0.03	3.69e-03	0.0	0.0	5.14e-06	0.0	0.0	0.0
3	1.006	0.994	0.096	1.86e-03	2.23e-04	12.09	1.4	1.13e-05	1.35e-06	0.0	0.0
4	1.011	0.989	0.096	1.08e-04	1.30e-05	0.03	3.25e-03	1.28e-05	1.54e-06	0.0	0.0
5	1.248	0.801	0.109	2.44e-03	2.92e-04	12.29	1.5	1.54e-06	0.0	0.0	0.0
6	1.249	0.800	0.109	7.52e-05	9.02e-06	0.04	4.23e-03	7.08e-06	0.0	0.0	0.0
7	1.325	0.755	0.116	10.93	1.3	4.89e-03	5.86e-04	0.0	0.0	0.0	0.0
8	1.327	0.754	0.116	0.04	4.29e-03	2.98e-06	0.0	5.34e-06	0.0	0.0	0.0
9	1.443	0.693	0.139	5.76e-06	0.0	4.03	0.5	0.0	0.0	0.0	0.0
10	1.510	0.662	0.156	6.74	0.8	2.40e-06	0.0	1.32e-05	1.58e-06	0.0	0.0
11	1.517	0.659	0.158	0.01	1.60e-03	7.62e-05	9.13e-06	1.24e-05	1.49e-06	0.0	0.0
12	2.119	0.472	0.268	0.36	4.34e-02	9.19	1.1	6.64e-05	7.97e-06	0.0	0.0
13	2.354	0.425	0.261	175.86	21.1	356.13	42.7	0.04	4.54e-03	0.0	0.0
14	2.960	0.338	0.314	276.91	33.2	174.79	21.0	0.02	1.81e-03	0.0	0.0
15	3.405	0.294	0.364	79.22	9.5	17.22	2.1	5.22e-04	6.25e-05	0.0	0.0
16	3.539	0.283	0.353	2.77	0.3	0.25	3.01e-02	6.07e-03	7.28e-04	0.0	0.0
17	3.963	0.252	0.363	6.55e-03	7.85e-04	22.82	2.7	5.70e-04	6.84e-05	0.0	0.0
18	3.989	0.251	0.361	5.39e-03	6.46e-04	0.11	1.27e-02	0.02	1.81e-03	0.0	0.0
19	4.200	0.238	0.341	0.07	8.02e-03	1.45	0.2	3.04e-05	3.64e-06	0.0	0.0
20	4.920	0.203	0.258	0.26	3.11e-02	36.80	4.4	0.17	2.07e-02	0.0	0.0
21	5.141	0.195	0.250	19.21	2.3	7.72e-05	9.26e-06	1.91e-05	2.29e-06	0.0	0.0
22	5.575	0.179	0.239	12.19	1.5	1.92	0.2	0.25	2.95e-02	0.0	0.0
23	5.830	0.172	0.234	7.92	0.9	2.43	0.3	0.05	5.87e-03	0.0	0.0
24	5.895	0.170	0.233	4.78	0.6	10.19	1.2	0.02	1.84e-03	0.0	0.0
25	6.497	0.154	0.223	2.83	0.3	0.48	5.76e-02	0.01	1.27e-03	0.0	0.0
26	6.797	0.147	0.218	8.71	1.0	0.05	5.58e-03	0.01	1.22e-03	0.0	0.0
27	6.949	0.144	0.216	24.70	3.0	2.58	0.3	0.05	5.42e-03	0.0	0.0
28	7.155	0.140	0.213	2.62	0.3	7.42	0.9	1.53e-03	1.83e-04	0.0	0.0
29	7.399	0.135	0.209	34.24	4.1	0.31	3.73e-02	0.09	1.06e-02	0.0	0.0
30	7.787	0.128	0.204	0.45	5.35e-02	17.57	2.1	1.60e-03	1.92e-04	0.0	0.0
31	8.013	0.125	0.201	7.04	0.8	12.90	1.5	4.31e-04	5.17e-05	0.0	0.0
32	8.385	0.119	0.198	16.28	2.0	0.44	5.30e-02	0.06	6.75e-03	0.0	0.0
33	8.636	0.116	0.203	2.22	0.3	7.52	0.9	0.07	8.87e-03	0.0	0.0
34	9.021	0.111	0.211	0.89	0.1	0.85	0.1	0.19	2.28e-02	0.0	0.0
35	9.062	0.110	0.212	1.68	0.2	4.39	0.5	0.60	7.23e-02	0.0	0.0
36	9.392	0.106	0.218	0.21	2.58e-02	17.31	2.1	1.19	0.1	0.0	0.0
37	9.781	0.102	0.225	0.26	3.11e-02	0.01	1.65e-03	0.03	3.72e-03	0.0	0.0
38	10.391	0.096	0.222	10.30	1.2	0.01	1.57e-03	2.35	0.3	0.0	0.0
39	10.495	0.095	0.220	0.07	8.46e-03	0.29	3.42e-02	0.02	2.48e-03	0.0	0.0
40	10.675	0.094	0.217	5.45	0.7	0.06	7.27e-03	3.46	0.4	0.0	0.0
41	10.743	0.093	0.216	1.41	0.2	0.95	0.1	0.03	4.08e-03	0.0	0.0
42	11.433	0.087	0.205	2.26e-03	2.71e-04	5.66	0.7	4.89e-04	5.86e-05	0.0	0.0
43	12.081	0.083	0.196	7.00e-03	8.39e-04	4.49	0.5	2.38e-03	2.86e-04	0.0	0.0
44	12.465	0.080	0.192	0.25	3.00e-02	0.27	3.21e-02	34.76	4.2	0.0	0.0
45	12.868	0.078	0.186	14.26	1.7	13.70	1.6	0.83	9.91e-02	0.0	0.0
46	13.196	0.076	0.182	6.46	0.8	0.01	1.21e-03	0.01	1.45e-03	0.0	0.0
47	13.476	0.074	0.178	2.69	0.3	0.94	0.1	0.10	1.19e-02	0.0	0.0
48	13.824	0.072	0.174	0.68	8.14e-02	0.51	6.14e-02	0.41	4.90e-02	0.0	0.0
49	14.022	0.071	0.171	1.52	0.2	2.38	0.3	0.13	1.51e-02	0.0	0.0
50	14.527	0.069	0.166	7.69	0.9	0.28	3.34e-02	0.06	7.56e-03	0.0	0.0
51	14.747	0.068	0.164	0.35	4.22e-02	3.02	0.4	0.14	1.68e-02	0.0	0.0
52	15.061	0.066	0.160	0.41	4.87e-02	0.43	5.17e-02	3.56e-04	4.27e-05	0.0	0.0
53	15.201	0.066	0.159	0.14	1.72e-02	1.34e-03	1.61e-04	0.03	3.94e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
54	15.286	0.065	0.158	3.21	0.4	0.51	6.16e-02	9.83e-05	1.18e-05	0.0	0.0
55	15.422	0.065	0.157	0.08	9.83e-03	1.33	0.2	0.36	4.32e-02	0.0	0.0
56	15.622	0.064	0.155	1.42	0.2	1.12	0.1	0.72	8.63e-02	0.0	0.0
57	15.710	0.064	0.154	0.22	2.69e-02	5.49	0.7	2.88	0.3	0.0	0.0
58	15.735	0.064	0.154	1.43	0.2	5.04	0.6	0.57	6.85e-02	0.0	0.0
59	15.903	0.063	0.152	1.15	0.1	4.54	0.5	2.46	0.3	0.0	0.0
60	16.151	0.062	0.150	3.21	0.4	3.63	0.4	0.01	1.30e-03	0.0	0.0
61	16.330	0.061	0.149	2.48	0.3	3.27	0.4	0.50	5.95e-02	0.0	0.0
62	16.375	0.061	0.148	0.83	9.90e-02	0.42	5.05e-02	9.36	1.1	0.0	0.0
63	16.487	0.061	0.147	5.55e-04	6.66e-05	1.49	0.2	0.09	1.13e-02	0.0	0.0
64	16.623	0.060	0.146	3.65e-04	4.38e-05	0.04	4.60e-03	0.53	6.36e-02	0.0	0.0
65	16.804	0.060	0.145	0.54	6.45e-02	0.16	1.88e-02	0.07	8.34e-03	0.0	0.0
66	17.213	0.058	0.143	2.89	0.3	0.16	1.87e-02	1.27	0.2	0.0	0.0
67	17.332	0.058	0.143	0.06	6.73e-03	2.73	0.3	13.23	1.6	0.0	0.0
68	18.114	0.055	0.140	0.68	8.13e-02	3.00	0.4	0.02	2.66e-03	0.0	0.0
69	18.338	0.055	0.139	0.42	5.09e-02	0.01	1.31e-03	0.81	9.68e-02	0.0	0.0
70	18.464	0.054	0.138	1.63	0.2	0.20	2.37e-02	0.75	9.04e-02	0.0	0.0
71	18.594	0.054	0.138	0.15	1.84e-02	0.01	1.49e-03	0.12	1.45e-02	0.0	0.0
72	19.022	0.053	0.136	6.99	0.8	0.02	2.47e-03	8.04	1.0	0.0	0.0
73	19.332	0.052	0.135	0.14	1.67e-02	4.99	0.6	8.37	1.0	0.0	0.0
74	19.439	0.051	0.135	1.81	0.2	0.22	2.59e-02	0.10	1.18e-02	0.0	0.0
75	19.682	0.051	0.134	0.01	1.78e-03	0.12	1.44e-02	0.56	6.68e-02	0.0	0.0
76	20.033	0.050	0.133	0.23	2.70e-02	0.56	6.72e-02	8.02e-06	0.0	0.0	0.0
77	20.702	0.048	0.131	0.46	5.57e-02	0.85	0.1	1.72	0.2	0.0	0.0
78	21.042	0.048	0.130	0.32	3.87e-02	0.40	4.75e-02	0.61	7.33e-02	0.0	0.0
79	21.719	0.046	0.128	1.53	0.2	0.13	1.59e-02	13.74	1.6	0.0	0.0
80	22.519	0.044	0.126	0.24	2.92e-02	0.24	2.94e-02	0.12	1.49e-02	0.0	0.0
81	23.076	0.043	0.125	0.40	4.79e-02	2.41e-03	2.89e-04	0.28	3.38e-02	0.0	0.0
82	23.199	0.043	0.125	9.47e-03	1.13e-03	0.32	3.83e-02	8.48	1.0	0.0	0.0
83	23.475	0.043	0.124	0.05	5.81e-03	2.87	0.3	15.84	1.9	0.0	0.0
84	24.311	0.041	0.122	0.08	9.95e-03	0.18	2.15e-02	3.15	0.4	0.0	0.0
85	25.046	0.040	0.121	0.89	0.1	0.07	7.83e-03	0.03	4.09e-03	0.0	0.0
86	25.358	0.039	0.120	0.36	4.35e-02	2.89e-03	3.46e-04	0.25	2.98e-02	0.0	0.0
87	25.458	0.039	0.120	0.79	9.46e-02	9.15e-04	1.10e-04	2.51e-03	3.01e-04	0.0	0.0
88	25.771	0.039	0.120	0.20	2.43e-02	6.10e-04	7.31e-05	7.53e-03	9.02e-04	0.0	0.0
89	25.823	0.039	0.120	5.68e-05	6.81e-06	0.18	2.16e-02	0.05	5.61e-03	0.0	0.0
90	26.014	0.038	0.120	0.09	1.04e-02	0.02	1.86e-03	0.69	8.33e-02	0.0	0.0
91	26.355	0.038	0.120	3.25	0.4	0.02	2.42e-03	0.12	1.42e-02	0.0	0.0
92	26.621	0.038	0.120	0.11	1.37e-02	0.01	1.39e-03	3.95	0.5	0.0	0.0
93	26.992	0.037	0.120	0.09	1.10e-02	0.06	6.68e-03	1.18	0.1	0.0	0.0
94	28.120	0.036	0.120	9.44e-04	1.13e-04	8.62e-06	1.03e-06	11.73	1.4	0.0	0.0
95	28.259	0.035	0.120	9.15e-03	1.10e-03	2.21e-03	2.65e-04	50.44	6.0	0.0	0.0
96	28.539	0.035	0.120	1.94	0.2	5.23e-03	6.27e-04	0.12	1.42e-02	0.0	0.0
97	29.655	0.034	0.119	0.21	2.57e-02	0.01	1.35e-03	2.20e-04	2.63e-05	0.0	0.0
98	29.867	0.033	0.119	0.86	0.1	0.03	3.73e-03	5.11e-03	6.13e-04	0.0	0.0
99	30.453	0.033	0.119	4.14	0.5	0.51	6.07e-02	0.02	1.87e-03	0.0	0.0
100	31.780	0.031	0.119	0.03	3.80e-03	6.91e-03	8.29e-04	3.97	0.5	0.0	0.0
101	31.861	0.031	0.119	1.60	0.2	0.08	9.19e-03	0.65	7.83e-02	0.0	0.0
102	32.851	0.030	0.118	1.05e-03	1.26e-04	0.95	0.1	0.02	1.94e-03	0.0	0.0
103	34.557	0.029	0.118	5.86e-03	7.02e-04	0.05	5.82e-03	11.01	1.3	0.0	0.0
104	35.201	0.028	0.118	4.72	0.6	0.05	5.54e-03	1.53	0.2	0.0	0.0
105	35.412	0.028	0.118	2.17e-03	2.61e-04	0.52	6.29e-02	0.03	3.48e-03	0.0	0.0
106	36.264	0.028	0.118	3.94e-04	4.72e-05	5.24e-04	6.28e-05	6.56	0.8	0.0	0.0
107	36.494	0.027	0.118	0.01	1.50e-03	0.11	1.34e-02	0.07	7.83e-03	0.0	0.0
108	36.588	0.027	0.118	0.18	2.18e-02	1.77e-03	2.13e-04	0.05	5.87e-03	0.0	0.0
109	36.970	0.027	0.118	9.48e-04	1.14e-04	2.60e-03	3.12e-04	25.60	3.1	0.0	0.0
110	37.418	0.027	0.118	0.07	8.41e-03	1.07e-05	1.29e-06	0.02	2.70e-03	0.0	0.0
111	37.669	0.027	0.118	0.02	1.81e-03	2.49e-04	2.98e-05	1.85e-03	2.22e-04	0.0	0.0
112	37.940	0.026	0.118	7.52e-05	9.01e-06	0.01	1.44e-03	0.01	1.28e-03	0.0	0.0
113	40.234	0.025	0.117	1.05e-03	1.26e-04	0.05	5.94e-03	0.01	1.48e-03	0.0	0.0
114	41.229	0.024	0.117	3.34e-04	4.00e-05	1.68e-03	2.01e-04	58.12	7.0	0.0	0.0
115	41.401	0.024	0.117	8.82e-03	1.06e-03	5.95e-05	7.14e-06	0.01	1.35e-03	0.0	0.0
116	41.729	0.024	0.117	0.03	3.52e-03	0.01	1.25e-03	1.25	0.1	0.0	0.0
117	41.771	0.024	0.117	0.01	1.76e-03	0.04	4.20e-03	16.83	2.0	0.0	0.0
118	42.001	0.024	0.117	5.49e-03	6.58e-04	2.24e-03	2.69e-04	6.76e-04	8.11e-05	0.0	0.0
119	42.585	0.023	0.117	2.53e-05	3.03e-06	3.01e-03	3.61e-04	0.02	2.68e-03	0.0	0.0
120	43.580	0.023	0.117	0.27	3.26e-02	2.12	0.3	4.19e-04	5.02e-05	0.0	0.0
121	45.595	0.022	0.117	1.29e-03	1.55e-04	4.79e-04	5.75e-05	0.03	3.76e-03	0.0	0.0
122	46.379	0.022	0.117	2.17e-03	2.60e-04	0.02	2.06e-03	44.40	5.3	0.0	0.0
123	46.542	0.021	0.117	5.01e-03	6.01e-04	0.02	2.06e-03	5.89	0.7	0.0	0.0
124	46.723	0.021	0.117	0.17	2.05e-02	1.69	0.2	0.03	3.62e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
125	46.935	0.021	0.116	5.46e-03	6.55e-04	0.05	5.66e-03	9.42	1.1	0.0	0.0
126	47.369	0.021	0.116	5.10e-04	6.11e-05	0.02	2.61e-03	13.83	1.7	0.0	0.0
127	49.252	0.020	0.116	2.18e-03	2.62e-04	1.85e-04	2.22e-05	98.07	11.8	0.0	0.0
128	49.674	0.020	0.116	0.03	3.99e-03	0.01	1.74e-03	1.00	0.1	0.0	0.0
129	49.856	0.020	0.116	7.64	0.9	4.17e-05	5.00e-06	0.29	3.46e-02	0.0	0.0
130	50.335	0.020	0.116	1.26e-03	1.51e-04	0.01	1.71e-03	14.01	1.7	0.0	0.0
131	51.100	0.020	0.116	9.73e-03	1.17e-03	0.11	1.29e-02	17.75	2.1	0.0	0.0
132	52.820	0.019	0.116	1.10e-06	0.0	5.47e-06	0.0	37.18	4.5	0.0	0.0
133	53.186	0.019	0.116	3.69e-06	0.0	5.90	0.7	0.75	9.01e-02	0.0	0.0
134	53.574	0.019	0.116	0.0	0.0	1.24e-06	0.0	2.89e-03	3.46e-04	0.0	0.0
135	54.116	0.018	0.116	0.02	2.92e-03	0.0	0.0	16.44	2.0	0.0	0.0
136	54.183	0.018	0.116	0.0	0.0	0.06	7.54e-03	5.73e-04	6.87e-05	0.0	0.0
137	54.346	0.018	0.116	0.08	9.41e-03	2.35e-05	2.82e-06	2.19e-04	2.63e-05	0.0	0.0
138	54.668	0.018	0.116	2.12e-06	0.0	0.11	1.36e-02	16.24	1.9	0.0	0.0
139	54.975	0.018	0.116	3.79e-03	4.54e-04	0.02	2.67e-03	28.73	3.4	0.0	0.0
140	55.354	0.018	0.116	7.11e-05	8.53e-06	1.26e-04	1.51e-05	3.92e-03	4.70e-04	0.0	0.0
141	55.722	0.018	0.116	0.09	1.07e-02	2.69e-03	3.23e-04	0.03	3.46e-03	0.0	0.0
142	58.235	0.017	0.116	7.38	0.9	1.44e-05	1.73e-06	5.04	0.6	0.0	0.0
143	58.936	0.017	0.116	1.79e-03	2.14e-04	0.0	0.0	0.99	0.1	0.0	0.0
144	58.976	0.017	0.116	0.02	2.91e-03	8.82e-04	1.06e-04	6.73	0.8	0.0	0.0
145	59.068	0.017	0.116	0.08	9.77e-03	3.94e-03	4.72e-04	27.13	3.3	0.0	0.0
146	59.909	0.017	0.116	0.0	0.0	7.34	0.9	5.48	0.7	0.0	0.0
147	60.691	0.016	0.116	1.48e-03	1.77e-04	4.43e-05	5.32e-06	11.99	1.4	0.0	0.0
148	60.707	0.016	0.116	1.70e-05	2.03e-06	0.05	6.54e-03	12.21	1.5	0.0	0.0
149	61.067	0.016	0.116	2.50e-03	3.00e-04	4.47e-04	5.36e-05	3.40e-06	0.0	0.0	0.0
150	61.693	0.016	0.116	1.62e-04	1.94e-05	0.0	0.0	14.73	1.8	0.0	0.0
151	61.731	0.016	0.116	9.50e-06	1.14e-06	3.95e-04	4.73e-05	12.71	1.5	0.0	0.0
152	63.119	0.016	0.116	0.23	2.79e-02	2.26e-06	0.0	0.03	3.42e-03	0.0	0.0
153	63.628	0.016	0.116	1.00	0.1	0.03	3.39e-03	3.85	0.5	0.0	0.0
154	64.892	0.015	0.116	0.72	8.65e-02	0.04	5.38e-03	1.26	0.2	0.0	0.0
155	65.047	0.015	0.116	2.52e-06	0.0	0.19	2.30e-02	0.02	2.74e-03	0.0	0.0
156	65.772	0.015	0.116	4.32e-04	5.18e-05	0.04	4.81e-03	0.07	7.91e-03	0.0	0.0
157	67.019	0.015	0.116	2.46e-04	2.95e-05	3.70e-04	4.44e-05	0.02	2.22e-03	0.0	0.0
158	69.125	0.014	0.116	3.52e-04	4.22e-05	6.63e-05	7.95e-06	0.13	1.53e-02	0.0	0.0
159	70.054	0.014	0.116	8.56e-03	1.03e-03	5.85e-04	7.02e-05	0.10	1.15e-02	0.0	0.0
160	70.163	0.014	0.116	0.04	5.29e-03	0.02	2.62e-03	0.03	3.83e-03	0.0	0.0
161	70.301	0.014	0.116	4.02e-03	4.81e-04	0.08	9.56e-03	0.01	1.33e-03	0.0	0.0
162	72.808	0.014	0.116	2.01e-03	2.41e-04	6.06e-05	7.27e-06	0.22	2.58e-02	0.0	0.0
163	73.390	0.014	0.116	2.48e-04	2.98e-05	0.02	2.89e-03	0.13	1.62e-02	0.0	0.0
164	73.758	0.014	0.116	7.46e-03	8.94e-04	4.73e-03	5.67e-04	0.41	4.93e-02	0.0	0.0
165	75.393	0.013	0.116	0.08	1.01e-02	6.32e-04	7.57e-05	0.07	7.94e-03	0.0	0.0
166	76.369	0.013	0.116	3.58e-03	4.30e-04	4.77e-03	5.72e-04	0.34	4.03e-02	0.0	0.0
167	78.528	0.013	0.116	0.10	1.20e-02	2.12e-03	2.54e-04	0.02	2.08e-03	0.0	0.0
168	78.661	0.013	0.116	0.09	1.12e-02	3.74e-04	4.48e-05	0.37	4.45e-02	0.0	0.0
169	79.710	0.013	0.116	3.56e-03	4.27e-04	6.97e-03	8.36e-04	0.02	2.30e-03	0.0	0.0
170	79.920	0.013	0.116	1.18e-03	1.41e-04	0.0	0.0	15.94	1.9	0.0	0.0
171	81.491	0.012	0.116	7.15e-03	8.57e-04	2.12e-03	2.54e-04	0.02	2.78e-03	0.0	0.0
172	82.935	0.012	0.116	2.79e-04	3.35e-05	0.46	5.51e-02	1.29	0.2	0.0	0.0
173	84.079	0.012	0.116	6.02e-04	7.22e-05	0.02	1.88e-03	3.25	0.4	0.0	0.0
174	84.946	0.012	0.116	8.18e-04	9.80e-05	0.02	2.59e-03	0.13	1.57e-02	0.0	0.0
175	86.921	0.012	0.116	2.39e-03	2.87e-04	4.79e-04	5.74e-05	0.04	4.28e-03	0.0	0.0
176	88.758	0.011	0.116	1.86e-04	2.22e-05	0.02	2.26e-03	2.44	0.3	0.0	0.0
177	89.551	0.011	0.116	2.30e-05	2.75e-06	0.29	3.46e-02	0.32	3.88e-02	0.0	0.0
178	92.023	0.011	0.116	0.02	2.88e-03	6.13e-03	7.35e-04	0.31	3.77e-02	0.0	0.0
179	92.461	0.011	0.116	0.03	3.48e-03	3.83e-03	4.59e-04	0.24	2.91e-02	0.0	0.0
180	94.512	0.011	0.116	3.32e-06	0.0	0.15	1.75e-02	2.20e-03	2.63e-04	0.0	0.0
181	96.072	0.010	0.116	2.15e-04	2.58e-05	0.10	1.24e-02	0.39	4.66e-02	0.0	0.0
182	98.135	0.010	0.116	9.77e-03	1.17e-03	0.03	4.03e-03	0.28	3.32e-02	0.0	0.0
183	99.232	0.010	0.116	1.04e-04	1.25e-05	0.01	1.28e-03	1.34	0.2	0.0	0.0
184	100.444	0.010	0.116	0.01	1.47e-03	3.34e-03	4.00e-04	0.27	3.21e-02	0.0	0.0
185	103.277	0.010	0.116	7.88e-04	9.44e-05	9.57e-03	1.15e-03	1.83	0.2	0.0	0.0
186	104.259	0.010	0.116	1.72e-06	0.0	0.07	7.96e-03	0.33	3.93e-02	0.0	0.0
187	106.775	0.009	0.116	4.47e-05	5.36e-06	1.12e-03	1.34e-04	6.70	0.8	0.0	0.0
188	112.290	0.009	0.116	7.49e-06	0.0	8.07e-03	9.68e-04	0.02	2.45e-03	0.0	0.0
189	113.836	0.009	0.116	4.93e-05	5.92e-06	4.22e-04	5.06e-05	0.75	8.95e-02	0.0	0.0
190	114.534	0.009	0.116	8.53e-03	1.02e-03	1.07e-05	1.28e-06	6.97e-04	8.35e-05	0.0	0.0
191	122.025	0.008	0.116	0.0	0.0	0.02	1.99e-03	3.94e-03	4.72e-04	0.0	0.0
192	131.808	0.008	0.116	0.41	4.90e-02	0.06	7.17e-03	0.02	2.34e-03	0.0	0.0
193	134.593	0.007	0.116	3.99e-03	4.78e-04	6.31e-06	0.0	3.28	0.4	0.0	0.0
194	138.375	0.007	0.116	0.44	5.25e-02	0.05	5.45e-03	0.01	1.54e-03	0.0	0.0
195	140.980	0.007	0.116	0.15	1.79e-02	0.07	8.95e-03	1.01e-03	1.21e-04	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
196	145.642	0.007	0.116	3.90e-03	4.67e-04	1.83e-03	2.19e-04	15.84	1.9	0.0	0.0
197	148.896	0.007	0.116	0.28	3.36e-02	0.05	6.58e-03	0.84	0.1	0.0	0.0
198	150.812	0.007	0.116	9.33e-03	1.12e-03	0.24	2.83e-02	3.27	0.4	0.0	0.0
199	155.425	0.006	0.116	1.70e-03	2.04e-04	0.03	3.77e-03	7.62	0.9	0.0	0.0
200	161.537	0.006	0.116	0.19	2.27e-02	0.04	4.77e-03	0.02	2.10e-03	0.0	0.0
201	168.825	0.006	0.116	0.20	2.37e-02	0.05	5.61e-03	1.74	0.2	0.0	0.0
202	173.662	0.006	0.116	6.54e-04	7.85e-05	0.02	2.37e-03	8.98	1.1	0.0	0.0
203	178.190	0.006	0.116	0.03	3.37e-03	0.07	8.95e-03	1.36	0.2	0.0	0.0
204	186.657	0.005	0.116	2.25e-03	2.70e-04	0.09	1.09e-02	0.07	8.11e-03	0.0	0.0
205	189.333	0.005	0.116	0.09	1.08e-02	5.00e-04	5.99e-05	0.40	4.74e-02	0.0	0.0
206	193.985	0.005	0.116	0.03	3.10e-03	7.48e-05	8.97e-06	1.58	0.2	0.0	0.0
207	212.967	0.005	0.116	0.01	1.79e-03	0.07	8.15e-03	0.10	1.17e-02	0.0	0.0
208	218.658	0.005	0.116	5.62e-03	6.73e-04	0.03	3.95e-03	1.23	0.1	0.0	0.0
209	221.859	0.005	0.116	5.18e-03	6.21e-04	3.59e-03	4.30e-04	3.21	0.4	0.0	0.0
210	258.317	0.004	0.116	9.49e-04	1.14e-04	0.03	3.66e-03	3.03e-04	3.63e-05	0.0	0.0
211	265.516	0.004	0.116	5.36e-03	6.43e-04	1.77e-03	2.13e-04	2.57	0.3	0.0	0.0
212	274.266	0.004	0.116	0.13	1.54e-02	0.03	3.90e-03	0.09	1.06e-02	0.0	0.0
213	296.015	0.003	0.116	0.01	1.46e-03	0.10	1.15e-02	1.95e-04	2.34e-05	0.0	0.0
214	302.843	0.003	0.116	0.06	7.77e-03	1.95e-03	2.34e-04	3.13e-03	3.76e-04	0.0	0.0
215	339.502	0.003	0.116	1.30e-04	1.56e-05	0.0	0.0	0.85	0.1	0.0	0.0
216	348.154	0.003	0.116	6.23e-03	7.47e-04	1.54e-03	1.85e-04	6.91e-03	8.29e-04	0.0	0.0
217	367.049	0.003	0.116	3.61e-03	4.32e-04	2.83e-03	3.39e-04	0.04	4.23e-03	0.0	0.0
218	416.128	0.002	0.116	6.77e-05	8.11e-06	5.49e-05	6.58e-06	0.85	0.1	0.0	0.0
219	532.094	0.002	0.116	8.77e-05	1.05e-05	1.18e-03	1.42e-04	0.13	1.54e-02	0.0	0.0
220	559.446	0.002	0.116	4.54e-03	5.44e-04	2.81e-04	3.37e-05	0.31	3.75e-02	0.0	0.0
221	608.365	0.002	0.116	2.23e-04	2.67e-05	7.49e-05	8.98e-06	0.54	6.47e-02	0.0	0.0
222	810.356	0.001	0.116	1.25e-04	1.49e-05	6.16e-04	7.39e-05	1.25e-03	1.50e-04	0.0	0.0
223	919.698	0.001	0.116	5.83e-04	6.99e-05	1.25e-05	1.50e-06	0.09	1.06e-02	0.0	0.0
224	960.823	0.001	0.116	7.57e-05	9.08e-06	1.10e-05	1.32e-06	0.27	3.19e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
16	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.423 sec.
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	-0.40	0.0	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	-0.54	0.0	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	-0.54	0.0	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	-0.30	0.0	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	-0.54	0.0	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	-0.38	0.0	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	-0.08	0.0	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.843	1.187	0.088	9.92	1.2	7.57e-04	9.08e-05	0.0	0.0	0.0	0.0
2	0.846	1.182	0.089	0.03	3.69e-03	0.0	0.0	5.13e-06	0.0	0.0	0.0
3	1.049	0.953	0.096	2.03e-03	2.44e-04	11.07	1.3	1.21e-05	1.45e-06	0.0	0.0
4	1.054	0.949	0.096	1.22e-04	1.46e-05	0.03	3.07e-03	1.40e-05	1.67e-06	0.0	0.0
5	1.325	0.755	0.116	10.93	1.3	7.76e-03	9.31e-04	0.0	0.0	0.0	0.0
6	1.327	0.754	0.116	0.04	4.27e-03	6.86e-06	0.0	5.36e-06	0.0	0.0	0.0
7	1.419	0.705	0.134	4.42e-03	5.29e-04	10.12	1.2	1.46e-06	0.0	0.0	0.0
8	1.421	0.704	0.135	1.14e-04	1.37e-05	0.03	3.32e-03	9.32e-06	1.12e-06	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
9	1.510	0.662	0.156	6.74	0.8	1.34e-05	1.61e-06	1.30e-05	1.56e-06	0.0	0.0
10	1.517	0.659	0.158	0.01	1.60e-03	1.83e-04	2.20e-05	1.23e-05	1.48e-06	0.0	0.0
11	1.592	0.628	0.183	1.45e-06	0.0	3.29	0.4	0.0	0.0	0.0	0.0
12	2.334	0.428	0.260	29.14	3.5	92.66	11.1	6.17e-03	7.40e-04	0.0	0.0
13	2.363	0.423	0.261	139.46	16.7	273.97	32.8	0.03	3.62e-03	0.0	0.0
14	2.940	0.340	0.309	307.13	36.8	157.95	18.9	0.02	2.14e-03	0.0	0.0
15	3.517	0.284	0.355	34.20	4.1	19.01	2.3	2.60e-06	0.0	0.0	0.0
16	3.648	0.274	0.357	23.60	2.8	1.62	0.2	2.35e-03	2.82e-04	0.0	0.0
17	3.977	0.251	0.362	0.07	8.34e-03	37.95	4.6	0.12	1.45e-02	0.0	0.0
18	4.035	0.248	0.357	0.67	8.03e-02	19.63	2.4	6.54e-04	7.85e-05	0.0	0.0
19	4.229	0.236	0.336	0.29	3.54e-02	2.84e-04	3.41e-05	2.12e-04	2.54e-05	0.0	0.0
20	4.629	0.216	0.277	2.12e-03	2.54e-04	15.37	1.8	1.53e-05	1.83e-06	0.0	0.0
21	5.141	0.195	0.250	19.19	2.3	4.56e-05	5.46e-06	1.59e-05	1.90e-06	0.0	0.0
22	5.591	0.179	0.239	19.13	2.3	6.31e-06	0.0	0.31	3.72e-02	0.0	0.0
23	5.858	0.171	0.234	0.84	0.1	0.28	3.41e-02	5.56e-03	6.66e-04	0.0	0.0
24	6.010	0.166	0.231	5.89	0.7	8.26	1.0	0.01	1.59e-03	0.0	0.0
25	6.395	0.156	0.225	2.85	0.3	1.44	0.2	0.02	1.81e-03	0.0	0.0
26	6.816	0.147	0.218	6.87	0.8	5.57e-04	6.68e-05	7.04e-03	8.44e-04	0.0	0.0
27	7.023	0.142	0.215	33.46	4.0	0.40	4.78e-02	0.03	4.14e-03	0.0	0.0
28	7.183	0.139	0.213	0.10	1.25e-02	1.69	0.2	0.01	1.76e-03	0.0	0.0
29	7.374	0.136	0.210	33.11	4.0	0.88	0.1	0.15	1.84e-02	0.0	0.0
30	7.654	0.131	0.206	9.83e-04	1.18e-04	0.69	8.32e-02	0.73	8.81e-02	0.0	0.0
31	7.889	0.127	0.202	3.32	0.4	14.14	1.7	0.10	1.22e-02	0.0	0.0
32	8.150	0.123	0.199	0.12	1.45e-02	17.74	2.1	0.04	4.87e-03	0.0	0.0
33	8.472	0.118	0.200	15.22	1.8	21.73	2.6	7.03e-03	8.43e-04	0.0	0.0
34	8.670	0.115	0.204	3.15	0.4	5.44	0.7	0.03	3.38e-03	0.0	0.0
35	9.008	0.111	0.211	0.76	9.05e-02	1.78	0.2	0.04	5.09e-03	0.0	0.0
36	9.350	0.107	0.218	2.38	0.3	8.66	1.0	0.04	4.56e-03	0.0	0.0
37	9.796	0.102	0.226	0.12	1.44e-02	0.79	9.45e-02	4.99e-04	5.98e-05	0.0	0.0
38	10.422	0.096	0.221	10.62	1.3	0.05	6.02e-03	2.53	0.3	0.0	0.0
39	10.541	0.095	0.219	1.71	0.2	0.42	5.05e-02	0.50	6.02e-02	0.0	0.0
40	10.699	0.093	0.217	3.03	0.4	0.25	3.03e-02	2.73	0.3	0.0	0.0
41	10.781	0.093	0.215	2.52	0.3	1.26	0.2	0.10	1.24e-02	0.0	0.0
42	11.771	0.085	0.201	1.08e-03	1.29e-04	5.60	0.7	5.85e-04	7.01e-05	0.0	0.0
43	12.184	0.082	0.195	5.76e-03	6.90e-04	3.51	0.4	0.02	2.24e-03	0.0	0.0
44	12.418	0.081	0.192	5.71	0.7	13.47	1.6	10.27	1.2	0.0	0.0
45	12.497	0.080	0.191	2.73	0.3	5.39	0.6	25.36	3.0	0.0	0.0
46	13.194	0.076	0.182	9.27	1.1	0.18	2.15e-02	0.02	2.30e-03	0.0	0.0
47	13.433	0.074	0.179	4.03	0.5	0.51	6.11e-02	0.08	9.41e-03	0.0	0.0
48	13.598	0.074	0.177	4.79	0.6	0.62	7.38e-02	0.61	7.30e-02	0.0	0.0
49	13.800	0.072	0.174	0.19	2.32e-02	2.33e-04	2.79e-05	2.57	0.3	0.0	0.0
50	13.893	0.072	0.173	0.07	8.35e-03	0.80	9.59e-02	0.02	2.82e-03	0.0	0.0
51	14.240	0.070	0.169	5.27	0.6	0.09	1.06e-02	0.35	4.18e-02	0.0	0.0
52	14.359	0.070	0.168	1.51	0.2	0.91	0.1	3.46	0.4	0.0	0.0
53	14.583	0.069	0.165	0.21	2.54e-02	0.20	2.39e-02	0.05	5.44e-03	0.0	0.0
54	14.843	0.067	0.163	0.01	1.22e-03	0.31	3.69e-02	9.56e-03	1.15e-03	0.0	0.0
55	15.258	0.066	0.158	3.11	0.4	0.14	1.67e-02	0.03	3.44e-03	0.0	0.0
56	15.294	0.065	0.158	2.31e-03	2.77e-04	3.85e-03	4.62e-04	0.01	1.32e-03	0.0	0.0
57	15.411	0.065	0.157	0.03	3.27e-03	0.91	0.1	4.99e-03	5.99e-04	0.0	0.0
58	15.647	0.064	0.155	0.81	9.73e-02	3.26	0.4	0.03	3.35e-03	0.0	0.0
59	15.770	0.063	0.154	1.48	0.2	1.55	0.2	2.08e-03	2.50e-04	0.0	0.0
60	16.010	0.062	0.151	1.02	0.1	0.49	5.86e-02	4.25e-03	5.10e-04	0.0	0.0
61	16.032	0.062	0.151	9.83e-06	1.18e-06	1.32	0.2	8.71	1.0	0.0	0.0
62	16.348	0.061	0.148	0.78	9.37e-02	1.79	0.2	7.12	0.9	0.0	0.0
63	16.411	0.061	0.148	9.28e-03	1.11e-03	5.45	0.7	2.28	0.3	0.0	0.0
64	16.452	0.061	0.148	2.88	0.3	6.49	0.8	0.10	1.16e-02	0.0	0.0
65	16.679	0.060	0.146	5.70	0.7	0.92	0.1	0.34	4.06e-02	0.0	0.0
66	16.831	0.059	0.145	1.07	0.1	3.41	0.4	2.24e-05	2.68e-06	0.0	0.0
67	17.462	0.057	0.142	1.59	0.2	4.92	0.6	0.09	1.09e-02	0.0	0.0
68	17.651	0.057	0.142	0.23	2.79e-02	0.23	2.70e-02	0.09	1.12e-02	0.0	0.0
69	18.251	0.055	0.139	3.16e-05	3.78e-06	0.89	0.1	0.08	9.17e-03	0.0	0.0
70	18.322	0.055	0.139	0.58	6.93e-02	0.03	4.07e-03	0.05	6.02e-03	0.0	0.0
71	18.397	0.054	0.139	0.04	4.65e-03	5.53	0.7	3.32	0.4	0.0	0.0
72	18.514	0.054	0.138	2.45	0.3	1.86	0.2	0.48	5.78e-02	0.0	0.0
73	18.561	0.054	0.138	0.47	5.63e-02	0.48	5.75e-02	0.04	5.05e-03	0.0	0.0
74	19.007	0.053	0.136	7.14	0.9	0.63	7.59e-02	8.73	1.0	0.0	0.0
75	19.084	0.052	0.136	0.06	6.98e-03	1.94	0.2	0.04	4.46e-03	0.0	0.0
76	19.724	0.051	0.134	0.92	0.1	0.54	6.52e-02	0.03	3.50e-03	0.0	0.0
77	20.377	0.049	0.132	5.01e-03	6.00e-04	0.63	7.59e-02	14.77	1.8	0.0	0.0
78	20.737	0.048	0.131	0.05	6.41e-03	0.09	1.07e-02	5.77	0.7	0.0	0.0
79	21.820	0.046	0.128	1.60	0.2	0.08	9.85e-03	2.31	0.3	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
80	22.443	0.045	0.126	0.20	2.46e-02	0.24	2.93e-02	15.74	1.9	0.0	0.0
81	22.648	0.044	0.126	1.01	0.1	7.13e-03	8.55e-04	9.20	1.1	0.0	0.0
82	23.159	0.043	0.125	0.01	1.55e-03	0.06	6.82e-03	7.79	0.9	0.0	0.0
83	23.504	0.043	0.124	0.04	5.00e-03	0.78	9.36e-02	1.22	0.1	0.0	0.0
84	24.945	0.040	0.121	1.02	0.1	0.07	8.90e-03	0.02	2.55e-03	0.0	0.0
85	25.063	0.040	0.121	3.70e-03	4.43e-04	0.23	2.75e-02	0.21	2.50e-02	0.0	0.0
86	25.354	0.039	0.120	0.39	4.71e-02	1.40e-03	1.68e-04	0.36	4.30e-02	0.0	0.0
87	25.456	0.039	0.120	0.78	9.32e-02	2.76e-04	3.31e-05	2.84e-03	3.40e-04	0.0	0.0
88	25.671	0.039	0.120	0.07	8.43e-03	0.15	1.80e-02	2.85	0.3	0.0	0.0
89	26.022	0.038	0.120	0.07	8.29e-03	1.59e-04	1.91e-05	0.16	1.88e-02	0.0	0.0
90	26.321	0.038	0.120	3.29	0.4	0.01	1.41e-03	0.03	3.25e-03	0.0	0.0
91	26.636	0.038	0.120	0.02	2.34e-03	0.15	1.81e-02	1.52	0.2	0.0	0.0
92	26.716	0.037	0.120	0.19	2.23e-02	0.52	6.26e-02	0.13	1.55e-02	0.0	0.0
93	27.349	0.037	0.120	0.01	1.43e-03	1.08	0.1	0.14	1.70e-02	0.0	0.0
94	28.118	0.036	0.120	1.16e-03	1.39e-04	9.41e-03	1.13e-03	8.11	1.0	0.0	0.0
95	28.232	0.035	0.120	0.01	1.78e-03	0.04	4.79e-03	53.87	6.5	0.0	0.0
96	28.556	0.035	0.120	1.79	0.2	0.02	2.17e-03	0.04	4.66e-03	0.0	0.0
97	28.717	0.035	0.119	0.23	2.73e-02	0.55	6.54e-02	0.61	7.28e-02	0.0	0.0
98	29.090	0.034	0.119	0.03	3.56e-03	0.72	8.61e-02	0.04	5.34e-03	0.0	0.0
99	29.934	0.033	0.119	1.59	0.2	0.21	2.51e-02	0.01	1.33e-03	0.0	0.0
100	30.524	0.033	0.119	2.67	0.3	0.02	1.83e-03	8.77e-03	1.05e-03	0.0	0.0
101	31.530	0.032	0.119	2.39	0.3	0.04	5.03e-03	0.02	2.00e-03	0.0	0.0
102	31.787	0.031	0.119	0.06	7.52e-03	4.14e-04	4.97e-05	4.60	0.6	0.0	0.0
103	34.455	0.029	0.118	8.39e-04	1.01e-04	3.22e-03	3.86e-04	10.69	1.3	0.0	0.0
104	35.210	0.028	0.118	4.74	0.6	0.06	7.58e-03	1.33	0.2	0.0	0.0
105	36.237	0.028	0.118	1.91e-04	2.29e-05	0.05	5.65e-03	2.82	0.3	0.0	0.0
106	36.288	0.028	0.118	2.28e-03	2.74e-04	0.09	1.07e-02	2.72	0.3	0.0	0.0
107	36.584	0.027	0.118	0.20	2.37e-02	5.87e-06	0.0	0.03	4.05e-03	0.0	0.0
108	36.948	0.027	0.118	3.38e-04	4.05e-05	2.22e-04	2.67e-05	27.17	3.3	0.0	0.0
109	37.134	0.027	0.118	4.12e-05	4.94e-06	4.75e-03	5.70e-04	0.03	3.44e-03	0.0	0.0
110	37.695	0.027	0.118	0.02	2.49e-03	4.79e-04	5.74e-05	6.01e-03	7.21e-04	0.0	0.0
111	38.069	0.026	0.118	0.04	4.94e-03	1.88e-03	2.25e-04	2.51e-03	3.00e-04	0.0	0.0
112	39.523	0.025	0.117	8.90e-05	1.07e-05	0.40	4.79e-02	5.94e-06	0.0	0.0	0.0
113	40.357	0.025	0.117	2.25e-05	2.70e-06	0.01	1.31e-03	0.02	2.58e-03	0.0	0.0
114	41.204	0.024	0.117	2.86e-04	3.43e-05	0.0	0.0	59.88	7.2	0.0	0.0
115	41.408	0.024	0.117	8.65e-03	1.04e-03	8.50e-06	1.02e-06	0.05	5.61e-03	0.0	0.0
116	41.712	0.024	0.117	0.01	1.52e-03	9.77e-03	1.17e-03	0.13	1.57e-02	0.0	0.0
117	41.754	0.024	0.117	0.03	3.67e-03	9.88e-03	1.18e-03	17.67	2.1	0.0	0.0
118	41.978	0.024	0.117	6.04e-03	7.25e-04	6.57e-03	7.88e-04	0.01	1.55e-03	0.0	0.0
119	43.711	0.023	0.117	0.29	3.42e-02	1.95	0.2	4.59e-03	5.50e-04	0.0	0.0
120	44.895	0.022	0.117	1.14e-03	1.36e-04	0.12	1.41e-02	0.03	3.50e-03	0.0	0.0
121	45.059	0.022	0.117	3.03e-06	0.0	9.77	1.2	1.50e-03	1.80e-04	0.0	0.0
122	45.622	0.022	0.117	1.43e-03	1.71e-04	0.02	2.02e-03	0.56	6.72e-02	0.0	0.0
123	46.332	0.022	0.117	3.99e-04	4.78e-05	0.02	1.92e-03	43.65	5.2	0.0	0.0
124	46.448	0.022	0.117	6.57e-03	7.88e-04	5.34e-04	6.41e-05	2.66	0.3	0.0	0.0
125	46.850	0.021	0.116	0.08	9.24e-03	0.97	0.1	3.41	0.4	0.0	0.0
126	46.916	0.021	0.116	0.08	1.00e-02	0.99	0.1	8.45	1.0	0.0	0.0
127	47.402	0.021	0.116	1.14e-03	1.37e-04	0.04	4.36e-03	11.54	1.4	0.0	0.0
128	49.258	0.020	0.116	2.68e-03	3.22e-04	9.18e-05	1.10e-05	102.43	12.3	0.0	0.0
129	49.698	0.020	0.116	0.04	4.26e-03	0.01	1.41e-03	3.73	0.4	0.0	0.0
130	49.856	0.020	0.116	7.63	0.9	4.09e-05	4.91e-06	0.25	2.95e-02	0.0	0.0
131	50.879	0.020	0.116	9.60e-03	1.15e-03	0.13	1.57e-02	27.22	3.3	0.0	0.0
132	52.820	0.019	0.116	1.12e-06	0.0	4.20e-06	0.0	37.17	4.5	0.0	0.0
133	53.494	0.019	0.116	1.08e-06	0.0	1.02e-03	1.22e-04	16.36	2.0	0.0	0.0
134	54.116	0.018	0.116	0.02	2.93e-03	0.0	0.0	16.49	2.0	0.0	0.0
135	54.346	0.018	0.116	0.08	9.41e-03	0.0	0.0	5.61e-05	6.73e-06	0.0	0.0
136	54.515	0.018	0.116	2.77e-06	0.0	0.07	7.90e-03	2.82e-05	3.38e-06	0.0	0.0
137	54.983	0.018	0.116	4.31e-03	5.17e-04	0.02	2.88e-03	29.26	3.5	0.0	0.0
138	55.350	0.018	0.116	6.13e-06	0.0	1.11e-04	1.34e-05	7.70e-03	9.23e-04	0.0	0.0
139	55.644	0.018	0.116	1.89e-03	2.26e-04	8.96e-06	1.07e-06	0.01	1.55e-03	0.0	0.0
140	55.711	0.018	0.116	0.09	1.05e-02	1.94e-03	2.32e-04	0.03	3.67e-03	0.0	0.0
141	56.685	0.018	0.116	1.71e-03	2.05e-04	0.02	2.50e-03	0.45	5.40e-02	0.0	0.0
142	56.772	0.018	0.116	1.71e-05	2.05e-06	7.34	0.9	5.71	0.7	0.0	0.0
143	58.235	0.017	0.116	7.38	0.9	0.0	0.0	5.02	0.6	0.0	0.0
144	58.984	0.017	0.116	0.01	1.37e-03	4.68e-04	5.61e-05	3.14	0.4	0.0	0.0
145	59.098	0.017	0.116	0.09	1.13e-02	5.39e-03	6.46e-04	30.89	3.7	0.0	0.0
146	60.270	0.017	0.116	4.38e-04	5.26e-05	3.05e-04	3.66e-05	3.03e-03	3.63e-04	0.0	0.0
147	60.691	0.016	0.116	1.74e-03	2.08e-04	9.49e-06	1.14e-06	7.83	0.9	0.0	0.0
148	60.694	0.016	0.116	5.54e-05	6.64e-06	2.47e-04	2.97e-05	17.11	2.1	0.0	0.0
149	61.147	0.016	0.116	2.93e-03	3.52e-04	9.84e-04	1.18e-04	1.25e-03	1.50e-04	0.0	0.0
150	61.313	0.016	0.116	1.25e-06	0.0	0.29	3.44e-02	1.73e-03	2.08e-04	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
151	61.691	0.016	0.116	1.32e-04	1.58e-05	0.0	0.0	13.92	1.7	0.0	0.0
152	61.729	0.016	0.116	2.19e-06	0.0	4.46e-04	5.35e-05	13.56	1.6	0.0	0.0
153	63.119	0.016	0.116	0.23	2.79e-02	1.73e-06	0.0	0.03	3.44e-03	0.0	0.0
154	63.646	0.016	0.116	1.04	0.1	0.02	2.98e-03	3.97	0.5	0.0	0.0
155	64.947	0.015	0.116	0.68	8.13e-02	0.04	5.15e-03	1.15	0.1	0.0	0.0
156	67.288	0.015	0.116	4.28e-04	5.13e-05	8.76e-04	1.05e-04	0.03	3.53e-03	0.0	0.0
157	69.048	0.014	0.116	2.56e-04	3.07e-05	3.32e-05	3.99e-06	0.14	1.67e-02	0.0	0.0
158	70.053	0.014	0.116	7.54e-03	9.04e-04	4.70e-04	5.63e-05	0.07	8.27e-03	0.0	0.0
159	70.171	0.014	0.116	0.05	5.88e-03	8.88e-04	1.06e-04	0.04	4.86e-03	0.0	0.0
160	70.991	0.014	0.116	9.38e-04	1.12e-04	6.71e-03	8.05e-04	0.33	3.96e-02	0.0	0.0
161	72.839	0.014	0.116	1.34e-03	1.60e-04	1.37e-03	1.65e-04	0.28	3.34e-02	0.0	0.0
162	75.138	0.013	0.116	3.47e-03	4.17e-04	0.12	1.42e-02	1.97e-03	2.37e-04	0.0	0.0
163	75.326	0.013	0.116	0.05	5.82e-03	0.03	3.08e-03	6.82e-06	0.0	0.0	0.0
164	75.379	0.013	0.116	0.04	4.99e-03	0.04	4.26e-03	0.03	3.33e-03	0.0	0.0
165	76.669	0.013	0.116	7.46e-04	8.94e-05	0.03	3.80e-03	0.34	4.12e-02	0.0	0.0
166	77.123	0.013	0.116	1.08e-04	1.29e-05	0.01	1.57e-03	0.53	6.38e-02	0.0	0.0
167	78.562	0.013	0.116	0.19	2.28e-02	4.52e-04	5.42e-05	0.07	7.94e-03	0.0	0.0
168	79.384	0.013	0.116	9.04e-03	1.08e-03	0.02	1.85e-03	0.60	7.23e-02	0.0	0.0
169	79.912	0.013	0.116	2.51e-04	3.00e-05	1.23e-05	1.47e-06	15.31	1.8	0.0	0.0
170	81.310	0.012	0.116	6.81e-03	8.16e-04	5.31e-03	6.37e-04	0.23	2.75e-02	0.0	0.0
171	82.861	0.012	0.116	1.12e-03	1.34e-04	0.23	2.75e-02	2.51e-03	3.01e-04	0.0	0.0
172	83.176	0.012	0.116	2.60e-05	3.12e-06	0.13	1.58e-02	3.21	0.4	0.0	0.0
173	84.337	0.012	0.116	2.04e-03	2.45e-04	1.86e-03	2.23e-04	1.97	0.2	0.0	0.0
174	85.106	0.012	0.116	5.17e-05	6.20e-06	0.01	1.63e-03	0.13	1.55e-02	0.0	0.0
175	86.990	0.011	0.116	6.27e-04	7.52e-05	1.74e-03	2.09e-04	0.99	0.1	0.0	0.0
176	88.652	0.011	0.116	1.49e-03	1.79e-04	6.72e-05	8.06e-06	0.26	3.14e-02	0.0	0.0
177	90.027	0.011	0.116	2.98e-04	3.58e-05	0.28	3.38e-02	0.79	9.43e-02	0.0	0.0
178	91.659	0.011	0.116	3.13e-05	3.75e-06	0.02	2.39e-03	0.48	5.80e-02	0.0	0.0
179	92.321	0.011	0.116	0.05	6.43e-03	3.98e-04	4.77e-05	4.33e-03	5.20e-04	0.0	0.0
180	95.649	0.010	0.116	2.12e-05	2.54e-06	0.14	1.69e-02	0.07	8.80e-03	0.0	0.0
181	96.339	0.010	0.116	9.69e-05	1.16e-05	0.05	5.74e-03	0.79	9.42e-02	0.0	0.0
182	97.162	0.010	0.116	1.75e-03	2.09e-04	0.27	3.23e-02	0.09	1.03e-02	0.0	0.0
183	98.593	0.010	0.116	4.14e-03	4.97e-04	0.01	1.76e-03	0.24	2.83e-02	0.0	0.0
184	100.495	0.010	0.116	0.01	1.53e-03	6.29e-03	7.54e-04	0.36	4.26e-02	0.0	0.0
185	102.163	0.010	0.116	2.93e-03	3.51e-04	4.08e-03	4.89e-04	3.58	0.4	0.0	0.0
186	106.224	0.009	0.116	1.94e-05	2.33e-06	3.32e-05	3.98e-06	7.04	0.8	0.0	0.0
187	106.843	0.009	0.116	8.01e-06	0.0	8.51e-03	1.02e-03	0.05	5.47e-03	0.0	0.0
188	113.315	0.009	0.116	4.84e-04	5.80e-05	7.30e-05	8.75e-06	0.05	5.55e-03	0.0	0.0
189	114.611	0.009	0.116	8.04e-03	9.64e-04	3.66e-04	4.39e-05	4.43e-03	5.31e-04	0.0	0.0
190	115.756	0.009	0.116	6.60e-05	7.92e-06	0.06	7.61e-03	2.72e-03	3.26e-04	0.0	0.0
191	127.977	0.008	0.116	3.82e-03	4.58e-04	0.03	3.47e-03	0.05	5.49e-03	0.0	0.0
192	130.101	0.008	0.116	0.17	2.09e-02	0.14	1.74e-02	0.03	3.15e-03	0.0	0.0
193	133.711	0.007	0.116	5.83e-03	6.99e-04	2.16e-05	2.59e-06	3.11	0.4	0.0	0.0
194	136.216	0.007	0.116	0.69	8.29e-02	0.08	9.95e-03	0.04	5.25e-03	0.0	0.0
195	137.326	0.007	0.116	0.02	2.04e-03	0.04	4.78e-03	2.40e-03	2.88e-04	0.0	0.0
196	145.308	0.007	0.116	0.05	6.01e-03	0.02	1.96e-03	11.91	1.4	0.0	0.0
197	147.282	0.007	0.116	0.15	1.81e-02	0.15	1.75e-02	6.55	0.8	0.0	0.0
198	149.084	0.007	0.116	0.21	2.46e-02	0.02	2.90e-03	0.16	1.93e-02	0.0	0.0
199	155.238	0.006	0.116	2.45e-03	2.94e-04	5.83e-03	7.00e-04	8.68	1.0	0.0	0.0
200	161.974	0.006	0.116	0.19	2.23e-02	0.04	4.61e-03	0.02	2.29e-03	0.0	0.0
201	168.167	0.006	0.116	0.19	2.22e-02	0.07	8.61e-03	1.23	0.1	0.0	0.0
202	171.618	0.006	0.116	1.59e-03	1.90e-04	4.99e-03	5.98e-04	10.35	1.2	0.0	0.0
203	177.770	0.006	0.116	0.03	4.02e-03	0.15	1.83e-02	0.18	2.12e-02	0.0	0.0
204	185.408	0.005	0.116	0.05	5.96e-03	0.03	3.41e-03	0.29	3.44e-02	0.0	0.0
205	190.880	0.005	0.116	0.04	4.43e-03	4.24e-04	5.09e-05	1.57	0.2	0.0	0.0
206	195.332	0.005	0.116	0.04	4.57e-03	7.01e-04	8.41e-05	1.20	0.1	0.0	0.0
207	212.623	0.005	0.116	0.01	1.76e-03	0.06	6.72e-03	0.09	1.12e-02	0.0	0.0
208	220.383	0.005	0.116	6.81e-04	8.16e-05	0.02	2.73e-03	3.25	0.4	0.0	0.0
209	225.036	0.004	0.116	9.38e-03	1.12e-03	0.04	4.22e-03	0.97	0.1	0.0	0.0
210	253.606	0.004	0.116	6.42e-04	7.69e-05	0.10	1.17e-02	5.74e-03	6.88e-04	0.0	0.0
211	265.098	0.004	0.116	8.94e-03	1.07e-03	1.24e-03	1.49e-04	2.52	0.3	0.0	0.0
212	269.754	0.004	0.116	0.09	1.08e-02	0.03	3.61e-03	0.17	2.08e-02	0.0	0.0
213	289.159	0.003	0.116	0.06	6.90e-03	0.03	3.56e-03	5.02e-03	6.01e-04	0.0	0.0
214	303.622	0.003	0.116	0.05	6.49e-03	3.11e-03	3.73e-04	0.01	1.34e-03	0.0	0.0
215	335.457	0.003	0.116	3.41e-04	4.08e-05	3.33e-05	3.99e-06	0.81	9.68e-02	0.0	0.0
216	351.606	0.003	0.116	9.32e-03	1.12e-03	3.91e-05	4.68e-06	0.02	2.00e-03	0.0	0.0
217	389.391	0.003	0.116	8.63e-04	1.04e-04	2.11e-03	2.53e-04	0.13	1.59e-02	0.0	0.0
218	415.459	0.002	0.116	1.48e-05	1.77e-06	1.15e-06	0.0	0.78	9.39e-02	0.0	0.0
219	542.583	0.002	0.116	7.21e-04	8.64e-05	7.83e-04	9.38e-05	0.32	3.81e-02	0.0	0.0
220	563.170	0.002	0.116	4.00e-03	4.80e-04	6.66e-04	7.99e-05	0.13	1.60e-02	0.0	0.0
221	609.924	0.002	0.116	1.22e-04	1.46e-05	1.65e-05	1.98e-06	0.54	6.47e-02	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
222	819.985	0.001	0.116	1.25e-04	1.50e-05	5.44e-04	6.52e-05	5.99e-03	7.18e-04	0.0	0.0
223	918.591	0.001	0.116	5.83e-04	6.99e-05	1.57e-05	1.88e-06	0.08	9.82e-03	0.0	0.0
224	962.252	0.001	0.116	7.29e-05	8.74e-06	1.66e-05	2.00e-06	0.27	3.21e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
17	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.336 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	0.0	-0.40	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	0.0	-0.54	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	0.0	-0.54	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	0.0	-0.30	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	0.0	-0.54	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	0.0	-0.38	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	0.0	-0.08	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	0.0	-0.08	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.826	1.211	0.204	10.34	1.2	4.66e-04	5.58e-05	0.0	0.0	0.0	0.0
2	0.829	1.206	0.204	0.03	3.83e-03	0.0	0.0	4.93e-06	0.0	0.0	0.0
3	1.027	0.974	0.227	1.90e-03	2.28e-04	11.57	1.4	1.17e-05	1.40e-06	0.0	0.0
4	1.032	0.969	0.227	9.22e-05	1.11e-05	0.03	3.16e-03	1.34e-05	1.61e-06	0.0	0.0
5	1.248	0.801	0.258	12.09	1.4	4.87e-03	5.84e-04	0.0	0.0	0.0	0.0
6	1.250	0.800	0.258	0.04	4.80e-03	3.36e-06	0.0	4.72e-06	0.0	0.0	0.0
7	1.325	0.755	0.281	2.44e-03	2.92e-04	11.18	1.3	1.62e-06	0.0	0.0	0.0
8	1.327	0.754	0.282	6.60e-05	7.91e-06	0.03	3.78e-03	8.01e-06	0.0	0.0	0.0
9	1.441	0.694	0.341	7.42	0.9	0.0	0.0	1.21e-05	1.45e-06	0.0	0.0
10	1.448	0.691	0.343	0.01	1.73e-03	1.09e-04	1.30e-05	1.13e-05	1.35e-06	0.0	0.0
11	1.512	0.662	0.359	5.95e-06	0.0	3.66	0.4	0.0	0.0	0.0	0.0
12	2.221	0.450	0.441	0.99	0.1	12.15	1.5	1.86e-04	2.23e-05	0.0	0.0
13	2.357	0.424	0.469	177.26	21.3	347.54	41.7	0.03	4.18e-03	0.0	0.0
14	2.979	0.336	0.604	309.79	37.1	180.58	21.7	0.01	1.46e-03	0.0	0.0
15	3.415	0.293	0.623	24.35	2.9	11.31	1.4	6.87e-04	8.23e-05	0.0	0.0
16	3.588	0.279	0.601	23.15	2.8	0.95	0.1	4.29e-03	5.14e-04	0.0	0.0
17	3.910	0.256	0.582	0.17	1.99e-02	3.43	0.4	0.02	2.04e-03	0.0	0.0
18	4.182	0.239	0.499	0.05	6.28e-03	1.58	0.2	8.66e-03	1.04e-03	0.0	0.0
19	4.258	0.235	0.481	4.19e-03	5.03e-04	19.44	2.3	1.57e-04	1.88e-05	0.0	0.0
20	4.383	0.228	0.454	0.29	3.49e-02	40.68	4.9	0.12	1.44e-02	0.0	0.0
21	4.786	0.209	0.419	22.14	2.7	0.0	0.0	1.85e-05	2.22e-06	0.0	0.0
22	5.736	0.174	0.405	0.25	3.03e-02	1.53	0.2	0.07	8.35e-03	0.0	0.0
23	5.940	0.168	0.395	1.62	0.2	9.58	1.1	5.76e-06	0.0	0.0	0.0
24	6.248	0.160	0.382	16.15	1.9	1.26	0.2	0.33	3.97e-02	0.0	0.0
25	6.523	0.153	0.371	8.25	1.0	0.24	2.89e-02	0.11	1.31e-02	0.0	0.0
26	6.741	0.148	0.362	17.88	2.1	0.15	1.82e-02	0.02	2.18e-03	0.0	0.0
27	7.005	0.143	0.353	32.02	3.8	1.10	0.1	0.07	8.21e-03	0.0	0.0
28	7.142	0.140	0.348	2.18	0.3	3.61	0.4	1.16e-04	1.40e-05	0.0	0.0
29	7.352	0.136	0.342	19.26	2.3	0.02	1.89e-03	0.05	5.91e-03	0.0	0.0
30	7.796	0.128	0.329	1.66	0.2	10.67	1.3	4.23e-03	5.07e-04	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
31	8.122	0.123	0.321	6.38	0.8	27.92	3.3	0.07	8.18e-03	0.0	0.0
32	8.223	0.122	0.318	6.14	0.7	1.06	0.1	0.50	6.04e-02	0.0	0.0
33	8.438	0.119	0.315	4.31	0.5	3.43	0.4	0.60	7.20e-02	0.0	0.0
34	8.719	0.115	0.314	5.14e-03	6.16e-04	5.98	0.7	0.13	1.60e-02	0.0	0.0
35	8.921	0.112	0.314	3.32	0.4	15.00	1.8	2.11e-06	0.0	0.0	0.0
36	9.244	0.108	0.313	4.88	0.6	4.37	0.5	0.12	1.39e-02	0.0	0.0
37	9.522	0.105	0.312	0.84	0.1	3.83e-04	4.59e-05	0.0	0.0	0.0	0.0
38	10.700	0.093	0.297	0.93	0.1	1.15	0.1	0.54	6.46e-02	0.0	0.0
39	10.746	0.093	0.296	9.18	1.1	0.10	1.22e-02	1.30	0.2	0.0	0.0
40	10.918	0.092	0.293	0.05	5.94e-03	8.52e-03	1.02e-03	5.00e-03	6.00e-04	0.0	0.0
41	11.346	0.088	0.285	6.38	0.8	7.62e-03	9.13e-04	5.59	0.7	0.0	0.0
42	11.615	0.086	0.281	2.13e-03	2.56e-04	5.46	0.7	1.87e-04	2.25e-05	0.0	0.0
43	12.163	0.082	0.272	5.22e-05	6.25e-06	3.54	0.4	3.47e-03	4.16e-04	0.0	0.0
44	12.465	0.080	0.268	0.44	5.33e-02	0.12	1.40e-02	34.63	4.2	0.0	0.0
45	12.915	0.077	0.262	19.00	2.3	13.69	1.6	0.81	9.77e-02	0.0	0.0
46	13.166	0.076	0.259	7.46	0.9	1.15e-04	1.37e-05	1.67e-03	2.00e-04	0.0	0.0
47	13.409	0.075	0.256	1.47e-03	1.77e-04	0.31	3.74e-02	0.24	2.83e-02	0.0	0.0
48	13.700	0.073	0.253	0.68	8.21e-02	1.64	0.2	0.15	1.80e-02	0.0	0.0
49	14.115	0.071	0.248	0.53	6.39e-02	4.69	0.6	0.31	3.69e-02	0.0	0.0
50	14.303	0.070	0.246	1.00	0.1	2.49	0.3	0.01	1.76e-03	0.0	0.0
51	14.624	0.068	0.243	1.74	0.2	2.10	0.3	1.21	0.1	0.0	0.0
52	14.714	0.068	0.242	0.01	1.52e-03	0.32	3.80e-02	4.37	0.5	0.0	0.0
53	14.954	0.067	0.240	0.39	4.73e-02	0.02	1.94e-03	0.02	2.17e-03	0.0	0.0
54	15.260	0.066	0.237	1.90	0.2	1.27e-03	1.52e-04	0.02	2.05e-03	0.0	0.0
55	15.302	0.065	0.237	0.02	2.21e-03	0.54	6.42e-02	1.05	0.1	0.0	0.0
56	15.347	0.065	0.236	0.10	1.21e-02	0.63	7.56e-02	0.03	3.92e-03	0.0	0.0
57	15.484	0.065	0.235	2.64	0.3	0.01	1.73e-03	0.01	1.49e-03	0.0	0.0
58	15.564	0.064	0.234	1.87	0.2	1.89	0.2	0.01	1.43e-03	0.0	0.0
59	15.653	0.064	0.234	1.21	0.1	4.43	0.5	2.54e-03	3.04e-04	0.0	0.0
60	15.898	0.063	0.232	5.21	0.6	8.17	1.0	0.14	1.63e-02	0.0	0.0
61	16.155	0.062	0.229	0.16	1.97e-02	2.37	0.3	0.03	3.71e-03	0.0	0.0
62	16.334	0.061	0.228	1.08	0.1	5.48e-03	6.58e-04	1.67e-03	2.01e-04	0.0	0.0
63	16.591	0.060	0.226	0.25	3.00e-02	0.28	3.37e-02	9.90	1.2	0.0	0.0
64	16.660	0.060	0.226	3.25	0.4	7.54	0.9	1.20	0.1	0.0	0.0
65	17.106	0.058	0.224	0.27	3.23e-02	7.54e-03	9.04e-04	0.20	2.43e-02	0.0	0.0
66	17.179	0.058	0.224	2.44	0.3	1.36	0.2	1.44	0.2	0.0	0.0
67	17.669	0.057	0.222	0.48	5.79e-02	0.01	1.56e-03	10.63	1.3	0.0	0.0
68	18.008	0.056	0.221	1.89	0.2	3.13	0.4	0.13	1.58e-02	0.0	0.0
69	18.313	0.055	0.220	0.46	5.48e-02	1.71e-04	2.05e-05	0.01	1.46e-03	0.0	0.0
70	18.475	0.054	0.220	0.43	5.17e-02	0.02	2.60e-03	0.02	2.17e-03	0.0	0.0
71	18.824	0.053	0.219	0.85	0.1	2.23	0.3	0.60	7.24e-02	0.0	0.0
72	18.927	0.053	0.218	0.14	1.70e-02	3.67	0.4	5.39	0.6	0.0	0.0
73	19.268	0.052	0.217	2.11	0.3	0.14	1.71e-02	7.32	0.9	0.0	0.0
74	19.434	0.051	0.217	3.36	0.4	1.68	0.2	4.88	0.6	0.0	0.0
75	19.650	0.051	0.216	0.50	6.05e-02	0.23	2.76e-02	1.18	0.1	0.0	0.0
76	20.203	0.049	0.215	0.13	1.55e-02	0.09	1.13e-02	0.22	2.63e-02	0.0	0.0
77	20.933	0.048	0.213	0.81	9.67e-02	1.11	0.1	7.03	0.8	0.0	0.0
78	21.332	0.047	0.212	0.17	2.02e-02	0.05	5.51e-03	1.46	0.2	0.0	0.0
79	21.944	0.046	0.211	0.60	7.19e-02	0.84	0.1	7.40	0.9	0.0	0.0
80	22.263	0.045	0.210	7.75e-03	9.29e-04	0.20	2.41e-02	1.44	0.2	0.0	0.0
81	23.096	0.043	0.209	0.10	1.19e-02	0.40	4.74e-02	3.28	0.4	0.0	0.0
82	23.276	0.043	0.208	0.57	6.83e-02	0.02	2.24e-03	2.38	0.3	0.0	0.0
83	23.449	0.043	0.208	2.80	0.3	4.76e-03	5.71e-04	15.79	1.9	0.0	0.0
84	24.402	0.041	0.206	0.17	2.00e-02	3.24e-03	3.89e-04	5.12	0.6	0.0	0.0
85	25.005	0.040	0.205	0.02	1.87e-03	1.90	0.2	0.09	1.09e-02	0.0	0.0
86	25.304	0.040	0.205	0.61	7.26e-02	1.09e-06	0.0	7.52e-03	9.02e-04	0.0	0.0
87	25.399	0.039	0.205	1.80e-04	2.15e-05	0.16	1.98e-02	0.22	2.65e-02	0.0	0.0
88	25.737	0.039	0.205	3.72	0.4	0.05	5.69e-03	0.11	1.31e-02	0.0	0.0
89	25.890	0.039	0.205	0.22	2.69e-02	2.80e-06	0.0	0.01	1.35e-03	0.0	0.0
90	26.298	0.038	0.205	0.05	5.97e-03	8.47e-04	1.02e-04	1.34	0.2	0.0	0.0
91	26.355	0.038	0.205	0.01	1.65e-03	0.01	1.64e-03	2.50	0.3	0.0	0.0
92	27.100	0.037	0.205	0.04	4.66e-03	0.04	5.16e-03	3.23	0.4	0.0	0.0
93	27.382	0.037	0.205	1.08	0.1	8.38e-05	1.00e-05	0.08	9.00e-03	0.0	0.0
94	28.131	0.036	0.205	2.40e-04	2.88e-05	3.55e-04	4.25e-05	8.17	1.0	0.0	0.0
95	28.251	0.035	0.205	1.28e-04	1.53e-05	6.20e-03	7.44e-04	52.98	6.4	0.0	0.0
96	28.637	0.035	0.204	0.37	4.46e-02	3.07e-03	3.69e-04	0.21	2.56e-02	0.0	0.0
97	29.470	0.034	0.204	0.02	2.86e-03	0.07	8.56e-03	2.73e-05	3.28e-06	0.0	0.0
98	30.316	0.033	0.204	0.33	3.92e-02	1.29	0.2	1.15e-04	1.38e-05	0.0	0.0
99	30.807	0.032	0.204	3.12	0.4	0.13	1.51e-02	0.01	1.58e-03	0.0	0.0
100	31.784	0.031	0.204	0.10	1.25e-02	0.13	1.58e-02	1.30	0.2	0.0	0.0
101	31.819	0.031	0.204	0.09	1.08e-02	0.06	7.10e-03	2.91	0.3	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
102	33.119	0.030	0.204	4.03	0.5	6.72e-03	8.05e-04	0.47	5.61e-02	0.0	0.0
103	34.366	0.029	0.204	4.08	0.5	0.09	1.06e-02	0.32	3.79e-02	0.0	0.0
104	34.494	0.029	0.204	0.04	5.11e-03	5.22e-03	6.25e-04	11.46	1.4	0.0	0.0
105	36.258	0.028	0.203	6.28e-04	7.53e-05	2.16e-03	2.59e-04	5.28	0.6	0.0	0.0
106	36.327	0.028	0.203	1.60e-03	1.92e-04	0.13	1.54e-02	0.72	8.69e-02	0.0	0.0
107	36.715	0.027	0.203	0.16	1.87e-02	1.06e-05	1.27e-06	0.02	2.15e-03	0.0	0.0
108	36.955	0.027	0.203	3.16e-04	3.78e-05	2.51e-04	3.01e-05	26.63	3.2	0.0	0.0
109	37.278	0.027	0.203	1.71e-03	2.05e-04	0.42	4.98e-02	0.09	1.06e-02	0.0	0.0
110	37.396	0.027	0.203	6.21e-04	7.44e-05	0.03	3.31e-03	4.95e-03	5.93e-04	0.0	0.0
111	37.678	0.027	0.203	0.02	2.99e-03	0.01	1.64e-03	1.85e-04	2.22e-05	0.0	0.0
112	38.134	0.026	0.203	0.02	2.62e-03	5.57e-04	6.68e-05	0.01	1.20e-03	0.0	0.0
113	41.227	0.024	0.203	1.01e-03	1.22e-04	8.20e-04	9.83e-05	58.23	7.0	0.0	0.0
114	41.381	0.024	0.203	2.31e-05	2.77e-06	6.00e-03	7.20e-04	1.38e-04	1.66e-05	0.0	0.0
115	41.732	0.024	0.203	0.01	1.74e-03	0.02	2.67e-03	0.25	3.00e-02	0.0	0.0
116	41.770	0.024	0.203	0.04	4.33e-03	0.02	1.82e-03	17.71	2.1	0.0	0.0
117	41.995	0.024	0.203	4.65e-03	5.58e-04	4.42e-03	5.30e-04	0.01	1.36e-03	0.0	0.0
118	42.378	0.024	0.203	2.35e-04	2.81e-05	0.03	4.00e-03	0.03	3.95e-03	0.0	0.0
119	42.601	0.023	0.203	5.33e-03	6.39e-04	8.61e-04	1.03e-04	8.60e-03	1.03e-03	0.0	0.0
120	44.162	0.023	0.203	0.22	2.68e-02	2.53	0.3	2.33e-03	2.79e-04	0.0	0.0
121	45.605	0.022	0.202	1.26e-03	1.51e-04	4.89e-03	5.87e-04	0.07	7.99e-03	0.0	0.0
122	46.393	0.022	0.202	6.89e-05	8.26e-06	0.02	2.54e-03	47.04	5.6	0.0	0.0
123	46.532	0.021	0.202	3.65e-03	4.38e-04	2.78e-03	3.33e-04	2.71	0.3	0.0	0.0
124	46.883	0.021	0.202	7.35e-04	8.82e-05	3.77e-03	4.52e-04	11.85	1.4	0.0	0.0
125	47.132	0.021	0.202	0.24	2.82e-02	1.34	0.2	0.95	0.1	0.0	0.0
126	47.418	0.021	0.202	3.82e-03	4.59e-04	0.05	6.41e-03	9.67	1.2	0.0	0.0
127	48.627	0.021	0.202	1.30e-06	0.0	8.09	1.0	2.79e-03	3.34e-04	0.0	0.0
128	49.257	0.020	0.202	6.32e-05	7.57e-06	8.87e-03	1.06e-03	101.43	12.2	0.0	0.0
129	49.683	0.020	0.202	5.81e-04	6.97e-05	6.63e-03	7.95e-04	1.56	0.2	0.0	0.0
130	50.740	0.020	0.202	9.10e-03	1.09e-03	0.11	1.33e-02	28.78	3.5	0.0	0.0
131	52.820	0.019	0.202	0.0	0.0	2.41e-06	0.0	37.23	4.5	0.0	0.0
132	53.439	0.019	0.202	2.67e-03	3.21e-04	0.02	2.84e-03	1.28	0.2	0.0	0.0
133	54.065	0.018	0.202	1.58e-06	0.0	3.54e-03	4.24e-04	16.70	2.0	0.0	0.0
134	54.247	0.018	0.202	2.89e-03	3.47e-04	0.07	7.99e-03	3.46e-03	4.15e-04	0.0	0.0
135	54.265	0.018	0.202	0.11	1.34e-02	1.00e-04	1.20e-05	5.57e-03	6.67e-04	0.0	0.0
136	54.323	0.018	0.202	3.24	0.4	1.27e-05	1.52e-06	8.03	1.0	0.0	0.0
137	54.546	0.018	0.202	3.99e-04	4.79e-05	9.53e-05	1.14e-05	0.02	2.73e-03	0.0	0.0
138	54.700	0.018	0.202	0.10	1.20e-02	2.37e-03	2.85e-04	0.27	3.22e-02	0.0	0.0
139	54.907	0.018	0.202	2.09	0.3	1.32e-06	0.0	9.13	1.1	0.0	0.0
140	54.996	0.018	0.202	2.95e-03	3.54e-04	0.03	3.31e-03	27.60	3.3	0.0	0.0
141	55.353	0.018	0.202	4.60e-05	5.51e-06	1.48e-04	1.77e-05	5.03e-03	6.03e-04	0.0	0.0
142	58.241	0.017	0.202	1.63e-05	1.95e-06	7.22	0.9	5.18	0.6	0.0	0.0
143	58.960	0.017	0.202	0.05	6.39e-03	3.01e-03	3.60e-04	12.55	1.5	0.0	0.0
144	59.042	0.017	0.202	0.08	9.62e-03	5.51e-03	6.60e-04	21.02	2.5	0.0	0.0
145	59.442	0.017	0.202	4.19e-04	5.02e-05	7.00e-04	8.39e-05	3.61e-03	4.33e-04	0.0	0.0
146	59.911	0.017	0.202	7.79	0.9	0.0	0.0	5.07	0.6	0.0	0.0
147	60.697	0.016	0.202	0.03	3.01e-03	4.26e-04	5.11e-05	3.43	0.4	0.0	0.0
148	60.699	0.016	0.202	4.95e-03	5.94e-04	2.91e-03	3.49e-04	20.92	2.5	0.0	0.0
149	61.066	0.016	0.202	5.41e-03	6.49e-04	2.28e-04	2.74e-05	0.04	4.50e-03	0.0	0.0
150	61.693	0.016	0.202	2.32e-04	2.78e-05	0.0	0.0	14.76	1.8	0.0	0.0
151	61.730	0.016	0.202	3.62e-05	4.33e-06	2.67e-04	3.20e-05	12.77	1.5	0.0	0.0
152	62.371	0.016	0.202	0.88	0.1	0.03	4.04e-03	5.08	0.6	0.0	0.0
153	63.120	0.016	0.202	0.0	0.0	0.23	2.81e-02	0.02	2.96e-03	0.0	0.0
154	65.044	0.015	0.202	0.19	2.28e-02	1.20e-06	0.0	0.03	3.34e-03	0.0	0.0
155	65.307	0.015	0.202	0.06	7.21e-03	7.52e-04	9.02e-05	0.04	4.57e-03	0.0	0.0
156	66.037	0.015	0.202	0.82	9.87e-02	0.04	4.59e-03	1.15	0.1	0.0	0.0
157	69.097	0.014	0.202	2.40e-06	0.0	7.41e-04	8.88e-05	0.13	1.50e-02	0.0	0.0
158	70.051	0.014	0.202	0.11	1.27e-02	1.15e-03	1.37e-04	0.02	1.93e-03	0.0	0.0
159	70.227	0.014	0.202	1.10e-04	1.32e-05	0.02	1.84e-03	0.02	2.38e-03	0.0	0.0
160	70.289	0.014	0.202	3.54e-04	4.24e-05	2.43e-03	2.92e-04	0.05	5.59e-03	0.0	0.0
161	70.931	0.014	0.202	9.20e-04	1.10e-04	0.02	2.81e-03	0.08	9.73e-03	0.0	0.0
162	72.924	0.014	0.202	0.03	3.44e-03	5.67e-04	6.80e-05	0.04	4.67e-03	0.0	0.0
163	73.405	0.014	0.202	1.99e-03	2.39e-04	1.46e-04	1.75e-05	0.49	5.89e-02	0.0	0.0
164	73.734	0.014	0.202	0.01	1.32e-03	8.20e-03	9.84e-04	0.44	5.28e-02	0.0	0.0
165	75.595	0.013	0.202	6.58e-04	7.89e-05	0.08	9.53e-03	0.02	2.33e-03	0.0	0.0
166	76.135	0.013	0.202	3.60e-03	4.32e-04	5.18e-03	6.22e-04	0.31	3.77e-02	0.0	0.0
167	78.631	0.013	0.202	2.23e-03	2.67e-04	0.19	2.31e-02	0.06	7.03e-03	0.0	0.0
168	79.225	0.013	0.202	1.27e-03	1.53e-04	6.03e-05	7.23e-06	0.46	5.52e-02	0.0	0.0
169	79.613	0.013	0.202	1.81e-03	2.17e-04	3.94e-03	4.73e-04	1.04	0.1	0.0	0.0
170	79.951	0.013	0.202	3.38e-05	4.05e-06	2.87e-03	3.45e-04	14.57	1.7	0.0	0.0
171	82.570	0.012	0.202	0.20	2.36e-02	1.42e-03	1.70e-04	0.39	4.72e-02	0.0	0.0
172	83.142	0.012	0.202	1.93e-03	2.31e-04	0.27	3.22e-02	0.92	0.1	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
173	83.665	0.012	0.202	4.39e-04	5.26e-05	0.03	3.64e-03	2.41	0.3	0.0	0.0
174	84.860	0.012	0.202	2.86e-04	3.43e-05	2.36e-03	2.83e-04	1.27	0.2	0.0	0.0
175	87.778	0.011	0.202	3.88e-03	4.66e-04	1.73e-04	2.07e-05	0.02	2.54e-03	0.0	0.0
176	89.054	0.011	0.202	2.40e-06	0.0	0.01	1.31e-03	2.30	0.3	0.0	0.0
177	89.559	0.011	0.202	7.75e-05	9.30e-06	0.26	3.07e-02	0.55	6.65e-02	0.0	0.0
178	91.748	0.011	0.202	4.30e-03	5.16e-04	0.07	7.80e-03	0.02	2.68e-03	0.0	0.0
179	92.158	0.011	0.202	0.05	5.75e-03	4.11e-03	4.92e-04	0.01	1.67e-03	0.0	0.0
180	94.211	0.011	0.202	9.04e-04	1.08e-04	8.20e-04	9.84e-05	0.51	6.11e-02	0.0	0.0
181	96.032	0.010	0.202	2.64e-04	3.17e-05	0.33	3.93e-02	0.17	2.00e-02	0.0	0.0
182	98.429	0.010	0.202	0.02	1.94e-03	6.88e-03	8.24e-04	0.23	2.73e-02	0.0	0.0
183	99.738	0.010	0.202	7.15e-04	8.57e-05	0.03	3.21e-03	1.65	0.2	0.0	0.0
184	100.763	0.010	0.202	1.82e-03	2.18e-04	4.55e-03	5.45e-04	0.67	8.02e-02	0.0	0.0
185	105.099	0.010	0.202	3.76e-04	4.51e-05	1.23e-03	1.48e-04	2.21	0.3	0.0	0.0
186	106.493	0.009	0.202	3.48e-04	4.17e-05	6.15e-04	7.38e-05	5.03	0.6	0.0	0.0
187	107.986	0.009	0.202	4.05e-03	4.85e-04	5.34e-04	6.40e-05	0.87	0.1	0.0	0.0
188	109.584	0.009	0.202	2.34e-05	2.81e-06	0.07	8.39e-03	0.04	4.86e-03	0.0	0.0
189	113.424	0.009	0.202	4.10e-04	4.92e-05	2.59e-04	3.11e-05	0.76	9.08e-02	0.0	0.0
190	116.999	0.009	0.202	1.58e-06	0.0	0.01	1.54e-03	0.04	4.47e-03	0.0	0.0
191	124.081	0.008	0.202	0.04	4.78e-03	3.67e-04	4.40e-05	0.02	2.37e-03	0.0	0.0
192	126.596	0.008	0.202	0.50	5.96e-02	0.06	6.77e-03	1.87e-05	2.24e-06	0.0	0.0
193	132.332	0.008	0.202	8.72e-03	1.05e-03	8.91e-03	1.07e-03	0.42	5.09e-02	0.0	0.0
194	135.337	0.007	0.202	8.78e-03	1.05e-03	6.55e-03	7.85e-04	3.39	0.4	0.0	0.0
195	139.073	0.007	0.202	0.29	3.44e-02	0.25	3.03e-02	3.18e-03	3.82e-04	0.0	0.0
196	146.215	0.007	0.202	4.37e-03	5.24e-04	9.01e-03	1.08e-03	16.85	2.0	0.0	0.0
197	148.882	0.007	0.202	0.09	1.11e-02	0.10	1.15e-02	0.07	8.21e-03	0.0	0.0
198	150.626	0.007	0.202	0.14	1.67e-02	0.02	2.44e-03	0.58	6.99e-02	0.0	0.0
199	154.420	0.006	0.202	0.13	1.60e-02	0.02	1.99e-03	6.71	0.8	0.0	0.0
200	155.716	0.006	0.202	0.17	2.08e-02	0.08	9.19e-03	3.32	0.4	0.0	0.0
201	170.444	0.006	0.202	0.23	2.79e-02	0.08	9.41e-03	0.46	5.56e-02	0.0	0.0
202	173.897	0.006	0.202	5.11e-05	6.12e-06	9.41e-06	1.13e-06	10.96	1.3	0.0	0.0
203	176.806	0.006	0.202	0.03	3.68e-03	0.10	1.22e-02	7.84e-06	0.0	0.0	0.0
204	186.898	0.005	0.202	0.09	1.08e-02	0.03	3.81e-03	0.40	4.74e-02	0.0	0.0
205	192.469	0.005	0.202	6.00e-04	7.19e-05	0.03	3.02e-03	1.26	0.2	0.0	0.0
206	194.554	0.005	0.202	0.05	5.43e-03	0.04	4.24e-03	0.61	7.27e-02	0.0	0.0
207	213.039	0.005	0.202	0.05	6.01e-03	0.01	1.39e-03	0.05	6.27e-03	0.0	0.0
208	219.341	0.005	0.202	4.66e-03	5.59e-04	0.07	8.54e-03	1.71e-03	2.05e-04	0.0	0.0
209	220.784	0.005	0.202	5.15e-04	6.17e-05	6.71e-04	8.05e-05	4.45	0.5	0.0	0.0
210	260.551	0.004	0.202	0.05	6.56e-03	0.05	5.50e-03	0.03	3.48e-03	0.0	0.0
211	263.897	0.004	0.202	3.73e-03	4.47e-04	0.05	5.70e-03	0.28	3.38e-02	0.0	0.0
212	265.546	0.004	0.202	1.32e-03	1.59e-04	3.81e-03	4.56e-04	2.35	0.3	0.0	0.0
213	290.562	0.003	0.202	3.02e-03	3.62e-04	0.07	8.15e-03	1.11e-03	1.33e-04	0.0	0.0
214	304.050	0.003	0.202	0.13	1.61e-02	8.48e-04	1.02e-04	3.05e-03	3.66e-04	0.0	0.0
215	334.211	0.003	0.202	2.17e-03	2.60e-04	1.87e-06	0.0	0.79	9.51e-02	0.0	0.0
216	358.137	0.003	0.202	0.01	1.36e-03	1.92e-04	2.30e-05	0.08	1.01e-02	0.0	0.0
217	385.392	0.003	0.202	2.38e-04	2.86e-05	2.11e-03	2.53e-04	1.34e-03	1.60e-04	0.0	0.0
218	414.062	0.002	0.202	1.03e-04	1.23e-05	1.69e-04	2.02e-05	0.89	0.1	0.0	0.0
219	547.766	0.002	0.202	8.11e-04	9.72e-05	7.17e-04	8.60e-05	0.27	3.26e-02	0.0	0.0
220	559.019	0.002	0.202	3.92e-03	4.71e-04	6.96e-04	8.35e-05	0.15	1.82e-02	0.0	0.0
221	605.067	0.002	0.202	1.46e-04	1.75e-05	3.59e-05	4.30e-06	0.55	6.65e-02	0.0	0.0
222	821.320	0.001	0.202	2.04e-04	2.45e-05	5.40e-04	6.48e-05	3.15e-03	3.78e-04	0.0	0.0
223	915.271	0.001	0.202	5.66e-04	6.79e-05	2.85e-05	3.42e-06	0.08	9.13e-03	0.0	0.0
224	957.242	0.001	0.202	6.01e-05	7.21e-06	9.31e-06	1.12e-06	0.28	3.37e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
18	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.343 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
12.70	66.24	5.40	3.40	0.0	0.40	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	0.0	0.54	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	0.0	0.54	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	0.0	0.30	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	0.0	0.54	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	0.0	0.38	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	0.0	0.08	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	0.0	0.08	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.861	1.161	0.208	9.51	1.1	4.90e-04	5.87e-05	0.0	0.0	0.0	0.0
2	0.864	1.157	0.207	0.03	3.55e-03	0.0	0.0	5.36e-06	0.0	0.0	0.0
3	1.027	0.974	0.227	1.98e-03	2.37e-04	11.57	1.4	1.17e-05	1.40e-06	0.0	0.0
4	1.032	0.969	0.227	1.41e-04	1.69e-05	0.03	3.16e-03	1.34e-05	1.60e-06	0.0	0.0
5	1.325	0.755	0.281	4.07e-03	4.88e-04	11.19	1.3	1.48e-06	0.0	0.0	0.0
6	1.327	0.754	0.282	1.20e-04	1.43e-05	0.03	3.76e-03	8.08e-06	0.0	0.0	0.0
7	1.418	0.705	0.330	9.81	1.2	8.37e-03	1.00e-03	0.0	0.0	0.0	0.0
8	1.420	0.704	0.331	0.03	3.77e-03	6.58e-06	0.0	6.19e-06	0.0	0.0	0.0
9	1.512	0.662	0.359	2.14e-06	0.0	3.66	0.4	0.0	0.0	0.0	0.0
10	1.589	0.629	0.397	6.06	0.7	2.21e-06	0.0	1.43e-05	1.71e-06	0.0	0.0
11	1.597	0.626	0.401	0.01	1.47e-03	1.40e-04	1.68e-05	1.37e-05	1.64e-06	0.0	0.0
12	2.221	0.450	0.441	1.26	0.2	12.60	1.5	2.46e-04	2.94e-05	0.0	0.0
13	2.359	0.424	0.470	183.63	22.0	340.08	40.8	0.04	4.85e-03	0.0	0.0
14	2.912	0.343	0.577	267.98	32.1	179.85	21.6	0.02	2.09e-03	0.0	0.0
15	3.536	0.283	0.606	13.68	1.6	0.49	5.87e-02	2.73e-03	3.28e-04	0.0	0.0
16	3.577	0.280	0.601	66.91	8.0	19.43	2.3	1.40e-04	1.68e-05	0.0	0.0
17	4.084	0.245	0.527	0.52	6.28e-02	0.03	4.19e-03	0.03	3.08e-03	0.0	0.0
18	4.258	0.235	0.481	3.42e-03	4.10e-04	18.09	2.2	2.19e-04	2.63e-05	0.0	0.0
19	4.274	0.234	0.478	0.04	4.99e-03	2.29	0.3	1.16e-03	1.39e-04	0.0	0.0
20	4.379	0.228	0.455	0.15	1.74e-02	45.56	5.5	0.12	1.40e-02	0.0	0.0
21	5.176	0.193	0.416	24.26	2.9	0.03	3.35e-03	0.23	2.73e-02	0.0	0.0
22	5.588	0.179	0.412	16.37	2.0	1.21e-04	1.45e-05	1.80e-05	2.15e-06	0.0	0.0
23	5.839	0.171	0.400	4.10e-03	4.92e-04	0.16	1.96e-02	2.29e-03	2.74e-04	0.0	0.0
24	5.946	0.168	0.395	3.71	0.4	10.33	1.2	3.98e-03	4.77e-04	0.0	0.0
25	6.399	0.156	0.376	2.28	0.3	1.39	0.2	4.49e-03	5.39e-04	0.0	0.0
26	6.827	0.146	0.359	1.00	0.1	0.06	6.64e-03	1.48e-03	1.77e-04	0.0	0.0
27	6.990	0.143	0.353	28.70	3.4	1.01	0.1	0.04	4.65e-03	0.0	0.0
28	7.200	0.139	0.346	0.14	1.63e-02	4.69	0.6	1.40e-03	1.68e-04	0.0	0.0
29	7.388	0.135	0.340	42.71	5.1	0.76	9.11e-02	0.13	1.61e-02	0.0	0.0
30	7.837	0.128	0.328	0.14	1.68e-02	24.16	2.9	0.02	2.50e-03	0.0	0.0
31	8.065	0.124	0.322	1.63	0.2	2.84	0.3	0.08	9.09e-03	0.0	0.0
32	8.349	0.120	0.316	0.35	4.19e-02	0.84	0.1	1.03	0.1	0.0	0.0
33	8.412	0.119	0.315	15.49	1.9	9.75	1.2	0.08	1.02e-02	0.0	0.0
34	8.806	0.114	0.314	2.94	0.4	25.01	3.0	0.10	1.20e-02	0.0	0.0
35	8.989	0.111	0.314	3.98	0.5	0.04	5.39e-03	0.11	1.32e-02	0.0	0.0
36	9.404	0.106	0.313	1.08	0.1	2.05	0.2	7.44e-03	8.92e-04	0.0	0.0
37	9.856	0.101	0.312	7.00	0.8	0.25	2.96e-02	0.93	0.1	0.0	0.0
38	10.044	0.100	0.310	4.92	0.6	0.02	1.81e-03	2.18	0.3	0.0	0.0
39	10.181	0.098	0.307	6.11	0.7	0.19	2.27e-02	1.68	0.2	0.0	0.0
40	10.468	0.096	0.301	6.02e-04	7.21e-05	0.58	6.93e-02	7.19e-03	8.62e-04	0.0	0.0
41	10.818	0.092	0.295	2.06	0.2	2.13	0.3	0.02	2.01e-03	0.0	0.0
42	11.615	0.086	0.281	2.55e-04	3.06e-05	5.51	0.7	8.46e-04	1.01e-04	0.0	0.0
43	12.166	0.082	0.272	0.04	4.72e-03	4.15	0.5	4.29e-03	5.14e-04	0.0	0.0
44	12.425	0.080	0.268	15.70	1.9	6.61	0.8	9.23	1.1	0.0	0.0
45	12.492	0.080	0.267	6.03	0.7	2.62	0.3	26.50	3.2	0.0	0.0
46	13.128	0.076	0.259	3.92	0.5	0.44	5.30e-02	2.69e-03	3.23e-04	0.0	0.0
47	13.415	0.075	0.256	0.39	4.68e-02	1.39	0.2	0.27	3.28e-02	0.0	0.0
48	13.599	0.074	0.254	0.72	8.66e-02	7.45	0.9	3.19e-04	3.83e-05	0.0	0.0
49	13.880	0.072	0.251	0.40	4.84e-02	2.00	0.2	0.11	1.32e-02	0.0	0.0
50	14.317	0.070	0.246	0.02	2.60e-03	0.15	1.76e-02	0.54	6.51e-02	0.0	0.0
51	14.515	0.069	0.244	4.71e-03	5.64e-04	2.89	0.3	0.14	1.69e-02	0.0	0.0
52	14.715	0.068	0.242	4.81e-03	5.77e-04	0.35	4.24e-02	5.33	0.6	0.0	0.0
53	14.906	0.067	0.240	0.40	4.77e-02	0.08	9.85e-03	0.02	2.78e-03	0.0	0.0
54	15.141	0.066	0.238	0.36	4.30e-02	0.03	3.11e-03	0.15	1.86e-02	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
55	15.302	0.065	0.237	0.03	3.51e-03	0.61	7.35e-02	1.76	0.2	0.0	0.0
56	15.349	0.065	0.236	0.12	1.38e-02	0.01	1.26e-03	6.36	0.8	0.0	0.0
57	15.401	0.065	0.236	0.07	8.44e-03	0.48	5.79e-02	0.88	0.1	0.0	0.0
58	15.541	0.064	0.235	0.98	0.1	5.60	0.7	0.01	1.29e-03	0.0	0.0
59	15.635	0.064	0.234	3.14	0.4	1.67	0.2	0.01	1.26e-03	0.0	0.0
60	15.829	0.063	0.232	4.15	0.5	2.01	0.2	2.10e-03	2.52e-04	0.0	0.0
61	16.091	0.062	0.230	0.92	0.1	6.56e-04	7.86e-05	2.48e-04	2.97e-05	0.0	0.0
62	16.154	0.062	0.229	0.38	4.60e-02	5.59	0.7	0.08	9.29e-03	0.0	0.0
63	16.336	0.061	0.228	1.14	0.1	0.31	3.74e-02	0.01	1.29e-03	0.0	0.0
64	16.593	0.060	0.226	0.08	9.82e-03	0.56	6.71e-02	10.50	1.3	0.0	0.0
65	16.742	0.060	0.225	2.71	0.3	10.43	1.3	0.80	9.60e-02	0.0	0.0
66	16.774	0.060	0.225	6.19	0.7	0.42	5.08e-02	0.02	2.13e-03	0.0	0.0
67	17.498	0.057	0.223	0.89	0.1	1.11	0.1	0.19	2.25e-02	0.0	0.0
68	17.726	0.056	0.222	1.46	0.2	0.09	1.04e-02	1.26	0.2	0.0	0.0
69	17.963	0.056	0.221	0.27	3.30e-02	2.90	0.3	2.93e-05	3.51e-06	0.0	0.0
70	18.272	0.055	0.220	0.28	3.30e-02	0.03	3.28e-03	0.06	6.97e-03	0.0	0.0
71	18.423	0.054	0.220	6.45	0.8	0.27	3.20e-02	1.60	0.2	0.0	0.0
72	18.554	0.054	0.219	2.64	0.3	0.03	3.72e-03	0.06	7.31e-03	0.0	0.0
73	18.887	0.053	0.218	1.05	0.1	5.14	0.6	5.45	0.7	0.0	0.0
74	18.931	0.053	0.218	1.16	0.1	0.25	3.03e-02	2.61	0.3	0.0	0.0
75	18.973	0.053	0.218	2.49	0.3	0.79	9.47e-02	0.69	8.22e-02	0.0	0.0
76	19.748	0.051	0.216	1.03	0.1	1.05	0.1	0.08	9.20e-03	0.0	0.0
77	20.317	0.049	0.215	0.14	1.68e-02	0.07	8.50e-03	3.36	0.4	0.0	0.0
78	20.521	0.049	0.214	0.26	3.12e-02	0.09	1.11e-02	17.79	2.1	0.0	0.0
79	21.792	0.046	0.211	0.26	3.16e-02	1.49	0.2	1.00	0.1	0.0	0.0
80	22.111	0.045	0.211	0.27	3.26e-02	0.44	5.22e-02	3.37	0.4	0.0	0.0
81	22.382	0.045	0.210	2.31e-03	2.77e-04	0.29	3.44e-02	20.14	2.4	0.0	0.0
82	23.168	0.043	0.208	2.23e-03	2.67e-04	0.11	1.30e-02	10.93	1.3	0.0	0.0
83	23.859	0.042	0.207	0.53	6.37e-02	8.81e-03	1.06e-03	0.53	6.36e-02	0.0	0.0
84	23.937	0.042	0.207	1.22	0.1	7.31e-03	8.77e-04	1.46e-03	1.75e-04	0.0	0.0
85	24.883	0.040	0.205	0.05	6.05e-03	1.94	0.2	0.02	1.84e-03	0.0	0.0
86	25.292	0.040	0.205	0.06	7.65e-03	1.19e-03	1.43e-04	0.01	1.31e-03	0.0	0.0
87	25.399	0.039	0.205	8.67e-04	1.04e-04	0.17	2.00e-02	0.22	2.61e-02	0.0	0.0
88	25.611	0.039	0.205	0.47	5.63e-02	1.10e-03	1.32e-04	0.01	1.52e-03	0.0	0.0
89	25.813	0.039	0.205	0.05	6.48e-03	0.04	4.61e-03	3.28	0.4	0.0	0.0
90	26.298	0.038	0.205	5.01e-03	6.00e-04	4.49e-03	5.39e-04	0.02	1.99e-03	0.0	0.0
91	26.377	0.038	0.205	0.02	2.98e-03	0.02	1.92e-03	1.22	0.1	0.0	0.0
92	26.904	0.037	0.205	1.43	0.2	1.91e-03	2.29e-04	0.12	1.39e-02	0.0	0.0
93	27.250	0.037	0.205	2.30	0.3	0.03	3.91e-03	0.04	4.68e-03	0.0	0.0
94	28.108	0.036	0.205	4.75e-03	5.69e-04	2.21e-04	2.65e-05	12.88	1.5	0.0	0.0
95	28.247	0.035	0.205	5.72e-03	6.86e-04	8.85e-03	1.06e-03	49.86	6.0	0.0	0.0
96	28.764	0.035	0.204	3.20e-03	3.84e-04	0.02	2.09e-03	0.23	2.76e-02	0.0	0.0
97	29.052	0.034	0.204	0.91	0.1	8.58e-03	1.03e-03	0.03	3.07e-03	0.0	0.0
98	29.480	0.034	0.204	5.71	0.7	0.56	6.72e-02	0.07	8.05e-03	0.0	0.0
99	30.026	0.033	0.204	1.22	0.1	0.02	2.69e-03	0.05	6.48e-03	0.0	0.0
100	30.480	0.033	0.204	1.56	0.2	0.68	8.13e-02	0.03	3.26e-03	0.0	0.0
101	31.261	0.032	0.204	0.22	2.69e-02	0.39	4.65e-02	0.01	1.55e-03	0.0	0.0
102	31.768	0.031	0.204	0.01	1.24e-03	3.50e-05	4.19e-06	4.71	0.6	0.0	0.0
103	34.495	0.029	0.204	8.73e-05	1.05e-05	0.01	1.34e-03	10.91	1.3	0.0	0.0
104	36.131	0.028	0.203	4.21	0.5	0.03	3.46e-03	2.39	0.3	0.0	0.0
105	36.252	0.028	0.203	0.06	7.04e-03	9.11e-05	1.09e-05	4.79	0.6	0.0	0.0
106	36.325	0.028	0.203	0.03	3.25e-03	0.14	1.66e-02	0.43	5.13e-02	0.0	0.0
107	36.582	0.027	0.203	0.26	3.16e-02	2.24e-05	2.69e-06	0.06	6.81e-03	0.0	0.0
108	36.960	0.027	0.203	1.52e-03	1.82e-04	1.76e-04	2.10e-05	26.20	3.1	0.0	0.0
109	37.283	0.027	0.203	0.01	1.44e-03	0.44	5.22e-02	0.09	1.13e-02	0.0	0.0
110	37.373	0.027	0.203	4.47e-05	5.36e-06	0.01	1.59e-03	3.18e-03	3.81e-04	0.0	0.0
111	37.505	0.027	0.203	0.03	3.90e-03	7.49e-03	8.98e-04	0.01	1.28e-03	0.0	0.0
112	37.765	0.026	0.203	0.16	1.96e-02	7.10e-03	8.51e-04	0.01	1.67e-03	0.0	0.0
113	40.397	0.025	0.203	0.02	1.93e-03	1.50e-06	0.0	0.02	2.97e-03	0.0	0.0
114	41.206	0.024	0.203	4.58e-05	5.49e-06	5.26e-04	6.31e-05	59.81	7.2	0.0	0.0
115	41.390	0.024	0.203	3.12e-06	0.0	5.89e-03	7.07e-04	0.02	2.66e-03	0.0	0.0
116	41.710	0.024	0.203	0.02	2.11e-03	9.08e-03	1.09e-03	1.02	0.1	0.0	0.0
117	41.755	0.024	0.203	0.01	1.47e-03	0.03	3.45e-03	16.91	2.0	0.0	0.0
118	41.983	0.024	0.203	6.70e-03	8.04e-04	3.61e-03	4.33e-04	4.24e-03	5.08e-04	0.0	0.0
119	42.377	0.024	0.203	3.70e-03	4.44e-04	9.84e-03	1.18e-03	0.03	3.16e-03	0.0	0.0
120	43.209	0.023	0.203	0.25	2.95e-02	1.83	0.2	0.03	3.06e-03	0.0	0.0
121	45.601	0.022	0.202	8.33e-06	0.0	6.25e-06	0.0	0.45	5.37e-02	0.0	0.0
122	46.203	0.022	0.202	9.45	1.1	5.05e-05	6.05e-06	6.16e-03	7.38e-04	0.0	0.0
123	46.318	0.022	0.202	3.66e-03	4.38e-04	0.02	2.90e-03	39.48	4.7	0.0	0.0
124	46.459	0.022	0.202	1.55e-03	1.86e-04	0.04	4.32e-03	6.44	0.8	0.0	0.0
125	46.615	0.021	0.202	0.10	1.22e-02	2.07	0.2	0.02	1.95e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
126	46.898	0.021	0.202	1.41e-03	1.69e-04	0.05	5.99e-03	11.63	1.4	0.0	0.0
127	47.384	0.021	0.202	3.50e-05	4.20e-06	0.03	3.78e-03	13.51	1.6	0.0	0.0
128	48.627	0.021	0.202	1.75e-06	0.0	8.08	1.0	2.24e-03	2.68e-04	0.0	0.0
129	49.254	0.020	0.202	1.74e-04	2.09e-05	0.01	1.30e-03	99.91	12.0	0.0	0.0
130	49.698	0.020	0.202	6.63e-04	7.95e-05	4.44e-03	5.32e-04	3.20	0.4	0.0	0.0
131	50.832	0.020	0.202	0.01	1.23e-03	0.12	1.40e-02	28.20	3.4	0.0	0.0
132	52.821	0.019	0.202	1.07e-06	0.0	3.61e-06	0.0	37.18	4.5	0.0	0.0
133	53.441	0.019	0.202	2.05e-03	2.46e-04	0.03	3.06e-03	1.42	0.2	0.0	0.0
134	53.535	0.019	0.202	8.72e-04	1.05e-04	0.0	0.0	16.14	1.9	0.0	0.0
135	54.065	0.018	0.202	0.0	0.0	3.54e-03	4.24e-04	16.74	2.0	0.0	0.0
136	54.247	0.018	0.202	0.0	0.0	0.07	7.99e-03	3.73e-06	0.0	0.0	0.0
137	54.537	0.018	0.202	4.33e-05	5.19e-06	4.50e-05	5.39e-06	0.01	1.73e-03	0.0	0.0
138	54.633	0.018	0.202	0.08	9.49e-03	1.70e-06	0.0	2.03e-05	2.43e-06	0.0	0.0
139	54.975	0.018	0.202	5.20e-03	6.23e-04	0.03	3.12e-03	28.58	3.4	0.0	0.0
140	55.358	0.018	0.202	3.83e-05	4.59e-06	1.32e-04	1.58e-05	2.91e-03	3.49e-04	0.0	0.0
141	56.771	0.018	0.202	7.44	0.9	1.44e-05	1.73e-06	5.61	0.7	0.0	0.0
142	56.847	0.018	0.202	0.07	8.65e-03	1.92e-03	2.30e-04	0.04	5.04e-03	0.0	0.0
143	58.241	0.017	0.202	0.0	0.0	7.22	0.9	5.16	0.6	0.0	0.0
144	58.986	0.017	0.202	0.02	1.95e-03	1.90e-04	2.27e-05	4.31	0.5	0.0	0.0
145	59.089	0.017	0.202	0.09	1.13e-02	2.21e-03	2.65e-04	30.35	3.6	0.0	0.0
146	59.446	0.017	0.202	6.32e-04	7.58e-05	7.70e-04	9.23e-05	0.03	3.51e-03	0.0	0.0
147	60.688	0.016	0.202	1.37e-04	1.64e-05	1.34e-05	1.60e-06	11.20	1.3	0.0	0.0
148	60.699	0.016	0.202	1.61e-06	0.0	3.44e-03	4.13e-04	13.73	1.6	0.0	0.0
149	61.146	0.016	0.202	6.08e-03	7.29e-04	9.67e-05	1.16e-05	5.70e-03	6.84e-04	0.0	0.0
150	61.315	0.016	0.202	0.28	3.37e-02	0.0	0.0	9.10e-04	1.09e-04	0.0	0.0
151	61.696	0.016	0.202	4.44e-04	5.32e-05	2.16e-06	0.0	17.34	2.1	0.0	0.0
152	61.734	0.016	0.202	1.89e-06	0.0	2.36e-04	2.83e-05	10.12	1.2	0.0	0.0
153	63.119	0.016	0.202	9.15e-06	1.10e-06	0.23	2.81e-02	0.02	2.94e-03	0.0	0.0
154	63.806	0.016	0.202	1.24	0.1	0.02	2.85e-03	3.48	0.4	0.0	0.0
155	65.100	0.015	0.202	0.47	5.63e-02	0.05	5.72e-03	1.59	0.2	0.0	0.0
156	67.164	0.015	0.202	6.25e-04	7.49e-05	6.36e-04	7.63e-05	0.05	6.30e-03	0.0	0.0
157	69.045	0.014	0.202	1.33e-04	1.60e-05	5.93e-04	7.11e-05	0.16	1.93e-02	0.0	0.0
158	70.227	0.014	0.202	1.45e-04	1.73e-05	0.02	1.94e-03	1.46e-03	1.74e-04	0.0	0.0
159	70.283	0.014	0.202	4.84e-05	5.80e-06	9.90e-04	1.19e-04	0.03	3.06e-03	0.0	0.0
160	70.439	0.014	0.202	2.43e-03	2.91e-04	2.15e-03	2.58e-04	0.30	3.59e-02	0.0	0.0
161	70.924	0.014	0.202	7.20e-04	8.64e-05	0.02	2.88e-03	0.07	8.08e-03	0.0	0.0
162	73.302	0.014	0.202	1.53e-03	1.84e-04	4.76e-04	5.71e-05	0.31	3.69e-02	0.0	0.0
163	75.105	0.013	0.202	0.18	2.17e-02	1.06e-03	1.27e-04	0.04	4.30e-03	0.0	0.0
164	75.535	0.013	0.202	2.22e-03	2.66e-04	0.09	1.08e-02	1.13e-03	1.35e-04	0.0	0.0
165	76.168	0.013	0.202	0.05	5.61e-03	0.0	0.0	0.21	2.48e-02	0.0	0.0
166	77.266	0.013	0.202	0.01	1.38e-03	4.02e-05	4.82e-06	0.61	7.33e-02	0.0	0.0
167	78.566	0.013	0.202	1.90e-03	2.28e-04	0.16	1.86e-02	0.02	2.20e-03	0.0	0.0
168	78.886	0.013	0.202	4.24e-03	5.08e-04	0.04	5.32e-03	0.06	7.62e-03	0.0	0.0
169	79.895	0.013	0.202	2.85e-04	3.42e-05	7.60e-04	9.11e-05	15.54	1.9	0.0	0.0
170	81.514	0.012	0.202	0.02	2.67e-03	2.03e-03	2.44e-04	0.63	7.58e-02	0.0	0.0
171	82.381	0.012	0.202	0.04	5.32e-03	7.09e-03	8.50e-04	8.60e-03	1.03e-03	0.0	0.0
172	83.160	0.012	0.202	0.01	1.20e-03	0.26	3.07e-02	0.67	8.03e-02	0.0	0.0
173	83.572	0.012	0.202	1.72e-04	2.06e-05	0.03	3.64e-03	4.13	0.5	0.0	0.0
174	85.679	0.012	0.202	6.99e-04	8.38e-05	0.02	2.81e-03	0.87	0.1	0.0	0.0
175	86.550	0.012	0.202	2.64e-03	3.16e-04	6.15e-04	7.37e-05	0.01	1.42e-03	0.0	0.0
176	87.925	0.011	0.202	4.50e-04	5.39e-05	2.43e-04	2.92e-05	0.77	9.21e-02	0.0	0.0
177	89.837	0.011	0.202	1.28e-04	1.54e-05	0.29	3.49e-02	0.80	9.62e-02	0.0	0.0
178	91.817	0.011	0.202	4.00e-06	0.0	0.02	2.54e-03	0.43	5.12e-02	0.0	0.0
179	92.504	0.011	0.202	0.05	6.37e-03	2.27e-05	2.72e-06	4.98e-04	5.97e-05	0.0	0.0
180	94.908	0.011	0.202	2.53e-04	3.03e-05	0.06	7.59e-03	0.32	3.81e-02	0.0	0.0
181	95.969	0.010	0.202	2.44e-03	2.92e-04	0.17	2.02e-02	0.22	2.60e-02	0.0	0.0
182	96.495	0.010	0.202	3.83e-03	4.59e-04	0.08	1.01e-02	0.27	3.26e-02	0.0	0.0
183	98.897	0.010	0.202	6.78e-03	8.13e-04	0.06	6.72e-03	0.86	0.1	0.0	0.0
184	101.746	0.010	0.202	7.19e-03	8.62e-04	4.06e-04	4.87e-05	0.02	2.54e-03	0.0	0.0
185	102.382	0.010	0.202	1.17e-03	1.40e-04	2.74e-03	3.29e-04	3.52	0.4	0.0	0.0
186	106.161	0.009	0.202	2.05e-05	2.46e-06	7.43e-04	8.91e-05	6.84	0.8	0.0	0.0
187	108.325	0.009	0.202	1.08e-03	1.29e-04	0.02	2.40e-03	0.20	2.45e-02	0.0	0.0
188	109.147	0.009	0.202	5.95e-03	7.13e-04	0.01	1.62e-03	0.02	2.86e-03	0.0	0.0
189	110.192	0.009	0.202	3.00e-04	3.59e-05	0.04	4.65e-03	0.02	2.12e-03	0.0	0.0
190	116.664	0.009	0.202	1.43e-05	1.72e-06	0.01	1.51e-03	0.03	4.09e-03	0.0	0.0
191	131.822	0.008	0.202	0.05	6.46e-03	0.14	1.67e-02	0.09	1.07e-02	0.0	0.0
192	133.378	0.007	0.202	0.02	1.90e-03	5.72e-03	6.86e-04	2.43	0.3	0.0	0.0
193	134.034	0.007	0.202	0.08	9.20e-03	6.24e-03	7.48e-04	0.54	6.43e-02	0.0	0.0
194	138.009	0.007	0.202	0.87	0.1	0.04	4.48e-03	2.63e-04	3.15e-05	0.0	0.0
195	142.511	0.007	0.202	1.64e-03	1.97e-04	0.11	1.32e-02	0.32	3.80e-02	0.0	0.0
196	145.363	0.007	0.202	0.07	8.19e-03	8.20e-04	9.83e-05	13.09	1.6	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
197	147.820	0.007	0.202	0.29	3.46e-02	5.21e-04	6.25e-05	2.85	0.3	0.0	0.0
198	148.815	0.007	0.202	8.07e-04	9.67e-05	0.21	2.49e-02	3.65	0.4	0.0	0.0
199	155.182	0.006	0.202	7.42e-03	8.89e-04	7.08e-03	8.49e-04	6.72	0.8	0.0	0.0
200	163.922	0.006	0.202	0.26	3.10e-02	1.96e-04	2.35e-05	1.86	0.2	0.0	0.0
201	169.436	0.006	0.202	0.04	5.39e-03	0.14	1.64e-02	0.03	4.18e-03	0.0	0.0
202	171.814	0.006	0.202	6.50e-05	7.79e-06	1.80e-03	2.16e-04	10.66	1.3	0.0	0.0
203	176.815	0.006	0.202	0.12	1.39e-02	0.04	4.71e-03	0.17	2.05e-02	0.0	0.0
204	186.020	0.005	0.202	0.01	1.69e-03	0.09	1.12e-02	0.08	1.00e-02	0.0	0.0
205	190.897	0.005	0.202	0.02	2.55e-03	0.01	1.49e-03	1.86	0.2	0.0	0.0
206	196.704	0.005	0.202	0.02	2.26e-03	6.37e-03	7.64e-04	1.05	0.1	0.0	0.0
207	215.931	0.005	0.202	2.54e-03	3.05e-04	0.09	1.03e-02	0.02	2.32e-03	0.0	0.0
208	218.856	0.005	0.202	0.02	1.91e-03	1.39e-03	1.67e-04	1.60	0.2	0.0	0.0
209	222.904	0.004	0.202	4.66e-03	5.59e-04	1.08e-03	1.30e-04	2.66	0.3	0.0	0.0
210	258.051	0.004	0.202	1.54e-03	1.85e-04	0.08	9.55e-03	5.33e-03	6.39e-04	0.0	0.0
211	265.171	0.004	0.202	8.27e-04	9.92e-05	1.18e-04	1.41e-05	2.64	0.3	0.0	0.0
212	268.414	0.004	0.202	0.16	1.95e-02	0.02	1.92e-03	0.03	3.87e-03	0.0	0.0
213	287.969	0.003	0.202	6.84e-04	8.20e-05	0.07	8.44e-03	0.01	1.61e-03	0.0	0.0
214	297.834	0.003	0.202	0.05	6.39e-03	4.02e-03	4.82e-04	0.03	3.36e-03	0.0	0.0
215	336.937	0.003	0.202	3.17e-03	3.80e-04	6.60e-05	7.91e-06	0.79	9.42e-02	0.0	0.0
216	358.220	0.003	0.202	8.48e-03	1.02e-03	3.68e-04	4.42e-05	0.07	8.62e-03	0.0	0.0
217	365.264	0.003	0.202	8.44e-05	1.01e-05	2.79e-03	3.34e-04	8.20e-03	9.83e-04	0.0	0.0
218	414.199	0.002	0.202	2.52e-04	3.03e-05	1.27e-04	1.52e-05	0.86	0.1	0.0	0.0
219	532.783	0.002	0.202	7.71e-06	0.0	1.37e-03	1.64e-04	0.07	8.86e-03	0.0	0.0
220	556.697	0.002	0.202	4.42e-03	5.29e-04	1.09e-04	1.31e-05	0.46	5.49e-02	0.0	0.0
221	617.044	0.002	0.202	4.15e-04	4.98e-05	7.49e-05	8.98e-06	0.46	5.53e-02	0.0	0.0
222	806.750	0.001	0.202	1.47e-04	1.77e-05	6.21e-04	7.44e-05	3.27e-05	3.92e-06	0.0	0.0
223	934.000	0.001	0.202	5.91e-04	7.08e-05	1.10e-05	1.32e-06	0.04	4.85e-03	0.0	0.0
224	954.690	0.001	0.202	2.43e-05	2.91e-06	9.66e-06	1.16e-06	0.31	3.73e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
19	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.425 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	0.40	0.0	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	0.54	0.0	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	0.54	0.0	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	0.30	0.0	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	0.54	0.0	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	0.38	0.0	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	0.08	0.0	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	0.08	0.0	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.843	1.187	0.206	9.92	1.2	2.64e-04	3.17e-05	0.0	0.0	0.0	0.0
2	0.846	1.182	0.207	0.03	3.69e-03	0.0	0.0	5.14e-06	0.0	0.0	0.0
3	1.006	0.994	0.223	1.86e-03	2.23e-04	12.09	1.4	1.13e-05	1.35e-06	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
4	1.011	0.989	0.224	1.08e-04	1.30e-05	0.03	3.25e-03	1.28e-05	1.54e-06	0.0	0.0
5	1.248	0.801	0.258	2.44e-03	2.92e-04	12.29	1.5	1.54e-06	0.0	0.0	0.0
6	1.249	0.800	0.258	7.52e-05	9.02e-06	0.04	4.23e-03	7.08e-06	0.0	0.0	0.0
7	1.325	0.755	0.281	10.93	1.3	4.89e-03	5.86e-04	0.0	0.0	0.0	0.0
8	1.327	0.754	0.282	0.04	4.29e-03	2.98e-06	0.0	5.34e-06	0.0	0.0	0.0
9	1.443	0.693	0.342	5.76e-06	0.0	4.03	0.5	0.0	0.0	0.0	0.0
10	1.510	0.662	0.359	6.74	0.8	2.40e-06	0.0	1.32e-05	1.58e-06	0.0	0.0
11	1.517	0.659	0.360	0.01	1.60e-03	7.62e-05	9.13e-06	1.24e-05	1.49e-06	0.0	0.0
12	2.119	0.472	0.436	0.36	4.34e-02	9.19	1.1	6.64e-05	7.97e-06	0.0	0.0
13	2.354	0.425	0.469	175.86	21.1	356.13	42.7	0.04	4.54e-03	0.0	0.0
14	2.960	0.338	0.596	276.91	33.2	174.79	21.0	0.02	1.81e-03	0.0	0.0
15	3.405	0.294	0.624	79.22	9.5	17.22	2.1	5.22e-04	6.25e-05	0.0	0.0
16	3.539	0.283	0.606	2.77	0.3	0.25	3.01e-02	6.07e-03	7.28e-04	0.0	0.0
17	3.963	0.252	0.565	6.55e-03	7.85e-04	22.82	2.7	5.70e-04	6.84e-05	0.0	0.0
18	3.989	0.251	0.557	5.39e-03	6.46e-04	0.11	1.27e-02	0.02	1.81e-03	0.0	0.0
19	4.200	0.238	0.494	0.07	8.02e-03	1.45	0.2	3.04e-05	3.64e-06	0.0	0.0
20	4.920	0.203	0.418	0.26	3.11e-02	36.80	4.4	0.17	2.07e-02	0.0	0.0
21	5.141	0.195	0.417	19.21	2.3	7.72e-05	9.26e-06	1.91e-05	2.29e-06	0.0	0.0
22	5.575	0.179	0.413	12.19	1.5	1.92	0.2	0.25	2.95e-02	0.0	0.0
23	5.830	0.172	0.400	7.92	0.9	2.43	0.3	0.05	5.87e-03	0.0	0.0
24	5.895	0.170	0.397	4.78	0.6	10.19	1.2	0.02	1.84e-03	0.0	0.0
25	6.497	0.154	0.372	2.83	0.3	0.48	5.76e-02	0.01	1.27e-03	0.0	0.0
26	6.797	0.147	0.360	8.71	1.0	0.05	5.58e-03	0.01	1.22e-03	0.0	0.0
27	6.949	0.144	0.355	24.70	3.0	2.58	0.3	0.05	5.42e-03	0.0	0.0
28	7.155	0.140	0.348	2.62	0.3	7.42	0.9	1.53e-03	1.83e-04	0.0	0.0
29	7.399	0.135	0.340	34.24	4.1	0.31	3.73e-02	0.09	1.06e-02	0.0	0.0
30	7.787	0.128	0.329	0.45	5.35e-02	17.57	2.1	1.60e-03	1.92e-04	0.0	0.0
31	8.013	0.125	0.323	7.04	0.8	12.90	1.5	4.31e-04	5.17e-05	0.0	0.0
32	8.385	0.119	0.315	16.28	2.0	0.44	5.30e-02	0.06	6.75e-03	0.0	0.0
33	8.636	0.116	0.315	2.22	0.3	7.52	0.9	0.07	8.87e-03	0.0	0.0
34	9.021	0.111	0.314	0.89	0.1	0.85	0.1	0.19	2.28e-02	0.0	0.0
35	9.062	0.110	0.313	1.68	0.2	4.39	0.5	0.60	7.23e-02	0.0	0.0
36	9.392	0.106	0.313	0.21	2.58e-02	17.31	2.1	1.19	0.1	0.0	0.0
37	9.781	0.102	0.312	0.26	3.11e-02	0.01	1.65e-03	0.03	3.72e-03	0.0	0.0
38	10.391	0.096	0.303	10.30	1.2	0.01	1.57e-03	2.35	0.3	0.0	0.0
39	10.495	0.095	0.301	0.07	8.46e-03	0.29	3.42e-02	0.02	2.48e-03	0.0	0.0
40	10.675	0.094	0.297	5.45	0.7	0.06	7.27e-03	3.46	0.4	0.0	0.0
41	10.743	0.093	0.296	1.41	0.2	0.95	0.1	0.03	4.08e-03	0.0	0.0
42	11.433	0.087	0.284	2.26e-03	2.71e-04	5.66	0.7	4.89e-04	5.86e-05	0.0	0.0
43	12.081	0.083	0.273	7.00e-03	8.39e-04	4.49	0.5	2.38e-03	2.86e-04	0.0	0.0
44	12.465	0.080	0.268	0.25	3.00e-02	0.27	3.21e-02	34.76	4.2	0.0	0.0
45	12.868	0.078	0.262	14.26	1.7	13.70	1.6	0.83	9.91e-02	0.0	0.0
46	13.196	0.076	0.258	6.46	0.8	0.01	1.21e-03	0.01	1.45e-03	0.0	0.0
47	13.476	0.074	0.255	2.69	0.3	0.94	0.1	0.10	1.19e-02	0.0	0.0
48	13.824	0.072	0.251	0.68	8.14e-02	0.51	6.14e-02	0.41	4.90e-02	0.0	0.0
49	14.022	0.071	0.249	1.52	0.2	2.38	0.3	0.13	1.51e-02	0.0	0.0
50	14.527	0.069	0.244	7.69	0.9	0.28	3.34e-02	0.06	7.56e-03	0.0	0.0
51	14.747	0.068	0.242	0.35	4.22e-02	3.02	0.4	0.14	1.68e-02	0.0	0.0
52	15.061	0.066	0.239	0.41	4.87e-02	0.43	5.17e-02	3.56e-04	4.27e-05	0.0	0.0
53	15.201	0.066	0.238	0.14	1.72e-02	1.34e-03	1.61e-04	0.03	3.94e-03	0.0	0.0
54	15.286	0.065	0.237	3.21	0.4	0.51	6.16e-02	9.83e-05	1.18e-05	0.0	0.0
55	15.422	0.065	0.236	0.08	9.83e-03	1.33	0.2	0.36	4.32e-02	0.0	0.0
56	15.622	0.064	0.234	1.42	0.2	1.12	0.1	0.72	8.63e-02	0.0	0.0
57	15.710	0.064	0.233	0.22	2.69e-02	5.49	0.7	2.88	0.3	0.0	0.0
58	15.735	0.064	0.233	1.43	0.2	5.04	0.6	0.57	6.85e-02	0.0	0.0
59	15.903	0.063	0.232	1.15	0.1	4.54	0.5	2.46	0.3	0.0	0.0
60	16.151	0.062	0.229	3.21	0.4	3.63	0.4	0.01	1.30e-03	0.0	0.0
61	16.330	0.061	0.228	2.48	0.3	3.27	0.4	0.50	5.95e-02	0.0	0.0
62	16.375	0.061	0.228	0.83	9.90e-02	0.42	5.05e-02	9.36	1.1	0.0	0.0
63	16.487	0.061	0.227	5.55e-04	6.66e-05	1.49	0.2	0.09	1.13e-02	0.0	0.0
64	16.623	0.060	0.226	3.65e-04	4.38e-05	0.04	4.60e-03	0.53	6.36e-02	0.0	0.0
65	16.804	0.060	0.225	0.54	6.45e-02	0.16	1.88e-02	0.07	8.34e-03	0.0	0.0
66	17.213	0.058	0.224	2.89	0.3	0.16	1.87e-02	1.27	0.2	0.0	0.0
67	17.332	0.058	0.223	0.06	6.73e-03	2.73	0.3	13.23	1.6	0.0	0.0
68	18.114	0.055	0.221	0.68	8.13e-02	3.00	0.4	0.02	2.66e-03	0.0	0.0
69	18.338	0.055	0.220	0.42	5.09e-02	0.01	1.31e-03	0.81	9.68e-02	0.0	0.0
70	18.464	0.054	0.220	1.63	0.2	0.20	2.37e-02	0.75	9.04e-02	0.0	0.0
71	18.594	0.054	0.219	0.15	1.84e-02	0.01	1.49e-03	0.12	1.45e-02	0.0	0.0
72	19.022	0.053	0.218	6.99	0.8	0.02	2.47e-03	8.04	1.0	0.0	0.0
73	19.332	0.052	0.217	0.14	1.67e-02	4.99	0.6	8.37	1.0	0.0	0.0
74	19.439	0.051	0.217	1.81	0.2	0.22	2.59e-02	0.10	1.18e-02	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
75	19.682	0.051	0.216	0.01	1.78e-03	0.12	1.44e-02	0.56	6.68e-02	0.0	0.0
76	20.033	0.050	0.215	0.23	2.70e-02	0.56	6.72e-02	8.02e-06	0.0	0.0	0.0
77	20.702	0.048	0.214	0.46	5.57e-02	0.85	0.1	1.72	0.2	0.0	0.0
78	21.042	0.048	0.213	0.32	3.87e-02	0.40	4.75e-02	0.61	7.33e-02	0.0	0.0
79	21.719	0.046	0.211	1.53	0.2	0.13	1.59e-02	13.74	1.6	0.0	0.0
80	22.519	0.044	0.210	0.24	2.92e-02	0.24	2.94e-02	0.12	1.49e-02	0.0	0.0
81	23.076	0.043	0.209	0.40	4.79e-02	2.41e-03	2.89e-04	0.28	3.38e-02	0.0	0.0
82	23.199	0.043	0.208	9.47e-03	1.13e-03	0.32	3.83e-02	8.48	1.0	0.0	0.0
83	23.475	0.043	0.208	0.05	5.81e-03	2.87	0.3	15.84	1.9	0.0	0.0
84	24.311	0.041	0.206	0.08	9.95e-03	0.18	2.15e-02	3.15	0.4	0.0	0.0
85	25.046	0.040	0.205	0.89	0.1	0.07	7.83e-03	0.03	4.09e-03	0.0	0.0
86	25.358	0.039	0.205	0.36	4.35e-02	2.89e-03	3.46e-04	0.25	2.98e-02	0.0	0.0
87	25.458	0.039	0.205	0.79	9.46e-02	9.15e-04	1.10e-04	2.51e-03	3.01e-04	0.0	0.0
88	25.771	0.039	0.205	0.20	2.43e-02	6.10e-04	7.31e-05	7.53e-03	9.02e-04	0.0	0.0
89	25.823	0.039	0.205	5.68e-05	6.81e-06	0.18	2.16e-02	0.05	5.61e-03	0.0	0.0
90	26.014	0.038	0.205	0.09	1.04e-02	0.02	1.86e-03	0.69	8.33e-02	0.0	0.0
91	26.355	0.038	0.205	3.25	0.4	0.02	2.42e-03	0.12	1.42e-02	0.0	0.0
92	26.621	0.038	0.205	0.11	1.37e-02	0.01	1.39e-03	3.95	0.5	0.0	0.0
93	26.992	0.037	0.205	0.09	1.10e-02	0.06	6.68e-03	1.18	0.1	0.0	0.0
94	28.120	0.036	0.205	9.44e-04	1.13e-04	8.62e-06	1.03e-06	11.73	1.4	0.0	0.0
95	28.259	0.035	0.205	9.15e-03	1.10e-03	2.21e-03	2.65e-04	50.44	6.0	0.0	0.0
96	28.539	0.035	0.205	1.94	0.2	5.23e-03	6.27e-04	0.12	1.42e-02	0.0	0.0
97	29.655	0.034	0.204	0.21	2.57e-02	0.01	1.35e-03	2.20e-04	2.63e-05	0.0	0.0
98	29.867	0.033	0.204	0.86	0.1	0.03	3.73e-03	5.11e-03	6.13e-04	0.0	0.0
99	30.453	0.033	0.204	4.14	0.5	0.51	6.07e-02	0.02	1.87e-03	0.0	0.0
100	31.780	0.031	0.204	0.03	3.80e-03	6.91e-03	8.29e-04	3.97	0.5	0.0	0.0
101	31.861	0.031	0.204	1.60	0.2	0.08	9.19e-03	0.65	7.83e-02	0.0	0.0
102	32.851	0.030	0.204	1.05e-03	1.26e-04	0.95	0.1	0.02	1.94e-03	0.0	0.0
103	34.557	0.029	0.204	5.86e-03	7.02e-04	0.05	5.82e-03	11.01	1.3	0.0	0.0
104	35.201	0.028	0.203	4.72	0.6	0.05	5.54e-03	1.53	0.2	0.0	0.0
105	35.412	0.028	0.203	2.17e-03	2.61e-04	0.52	6.29e-02	0.03	3.48e-03	0.0	0.0
106	36.264	0.028	0.203	3.94e-04	4.72e-05	5.24e-04	6.28e-05	6.56	0.8	0.0	0.0
107	36.494	0.027	0.203	0.01	1.50e-03	0.11	1.34e-02	0.07	7.83e-03	0.0	0.0
108	36.588	0.027	0.203	0.18	2.18e-02	1.77e-03	2.13e-04	0.05	5.87e-03	0.0	0.0
109	36.970	0.027	0.203	9.48e-04	1.14e-04	2.60e-03	3.12e-04	25.60	3.1	0.0	0.0
110	37.418	0.027	0.203	0.07	8.41e-03	1.07e-05	1.29e-06	0.02	2.70e-03	0.0	0.0
111	37.669	0.027	0.203	0.02	1.81e-03	2.49e-04	2.98e-05	1.85e-03	2.22e-04	0.0	0.0
112	37.940	0.026	0.203	7.52e-05	9.01e-06	0.01	1.44e-03	0.01	1.28e-03	0.0	0.0
113	40.234	0.025	0.203	1.05e-03	1.26e-04	0.05	5.94e-03	0.01	1.48e-03	0.0	0.0
114	41.229	0.024	0.203	3.34e-04	4.00e-05	1.68e-03	2.01e-04	58.12	7.0	0.0	0.0
115	41.401	0.024	0.203	8.82e-03	1.06e-03	5.95e-05	7.14e-06	0.01	1.35e-03	0.0	0.0
116	41.729	0.024	0.203	0.03	3.52e-03	0.01	1.25e-03	1.25	0.1	0.0	0.0
117	41.771	0.024	0.203	0.01	1.76e-03	0.04	4.20e-03	16.83	2.0	0.0	0.0
118	42.001	0.024	0.203	5.49e-03	6.58e-04	2.24e-03	2.69e-04	6.76e-04	8.11e-05	0.0	0.0
119	42.585	0.023	0.203	2.53e-05	3.03e-06	3.01e-03	3.61e-04	0.02	2.68e-03	0.0	0.0
120	43.580	0.023	0.203	0.27	3.26e-02	2.12	0.3	4.19e-04	5.02e-05	0.0	0.0
121	45.595	0.022	0.202	1.29e-03	1.55e-04	4.79e-04	5.75e-05	0.03	3.76e-03	0.0	0.0
122	46.379	0.022	0.202	2.17e-03	2.60e-04	0.02	2.06e-03	44.40	5.3	0.0	0.0
123	46.542	0.021	0.202	5.01e-03	6.01e-04	0.02	2.06e-03	5.89	0.7	0.0	0.0
124	46.723	0.021	0.202	0.17	2.05e-02	1.69	0.2	0.03	3.62e-03	0.0	0.0
125	46.935	0.021	0.202	5.46e-03	6.55e-04	0.05	5.66e-03	9.42	1.1	0.0	0.0
126	47.369	0.021	0.202	5.10e-04	6.11e-05	0.02	2.61e-03	13.83	1.7	0.0	0.0
127	49.252	0.020	0.202	2.18e-03	2.62e-04	1.85e-04	2.22e-05	98.07	11.8	0.0	0.0
128	49.674	0.020	0.202	0.03	3.99e-03	0.01	1.74e-03	1.00	0.1	0.0	0.0
129	49.856	0.020	0.202	7.64	0.9	4.17e-05	5.00e-06	0.29	3.46e-02	0.0	0.0
130	50.335	0.020	0.202	1.26e-03	1.51e-04	0.01	1.71e-03	14.01	1.7	0.0	0.0
131	51.100	0.020	0.202	9.73e-03	1.17e-03	0.11	1.29e-02	17.75	2.1	0.0	0.0
132	52.820	0.019	0.202	1.10e-06	0.0	5.47e-06	0.0	37.18	4.5	0.0	0.0
133	53.186	0.019	0.202	3.69e-06	0.0	5.90	0.7	0.75	9.01e-02	0.0	0.0
134	53.574	0.019	0.202	0.0	0.0	1.24e-06	0.0	2.89e-03	3.46e-04	0.0	0.0
135	54.116	0.018	0.202	0.02	2.92e-03	0.0	0.0	16.44	2.0	0.0	0.0
136	54.183	0.018	0.202	0.0	0.0	0.06	7.54e-03	5.73e-04	6.87e-05	0.0	0.0
137	54.346	0.018	0.202	0.08	9.41e-03	2.35e-05	2.82e-06	2.19e-04	2.63e-05	0.0	0.0
138	54.668	0.018	0.202	2.12e-06	0.0	0.11	1.36e-02	16.24	1.9	0.0	0.0
139	54.975	0.018	0.202	3.79e-03	4.54e-04	0.02	2.67e-03	28.73	3.4	0.0	0.0
140	55.354	0.018	0.202	7.11e-05	8.53e-06	1.26e-04	1.51e-05	3.92e-03	4.70e-04	0.0	0.0
141	55.722	0.018	0.202	0.09	1.07e-02	2.69e-03	3.23e-04	0.03	3.46e-03	0.0	0.0
142	58.235	0.017	0.202	7.38	0.9	1.44e-05	1.73e-06	5.04	0.6	0.0	0.0
143	58.936	0.017	0.202	1.79e-03	2.14e-04	0.0	0.0	0.99	0.1	0.0	0.0
144	58.976	0.017	0.202	0.02	2.91e-03	8.82e-04	1.06e-04	6.73	0.8	0.0	0.0
145	59.068	0.017	0.202	0.08	9.77e-03	3.94e-03	4.72e-04	27.13	3.3	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
146	59.909	0.017	0.202	0.0	0.0	7.34	0.9	5.48	0.7	0.0	0.0
147	60.691	0.016	0.202	1.48e-03	1.77e-04	4.43e-05	5.32e-06	11.99	1.4	0.0	0.0
148	60.707	0.016	0.202	1.70e-05	2.03e-06	0.05	6.54e-03	12.21	1.5	0.0	0.0
149	61.067	0.016	0.202	2.50e-03	3.00e-04	4.47e-04	5.36e-05	3.40e-06	0.0	0.0	0.0
150	61.693	0.016	0.202	1.62e-04	1.94e-05	0.0	0.0	14.73	1.8	0.0	0.0
151	61.731	0.016	0.202	9.50e-06	1.14e-06	3.95e-04	4.73e-05	12.71	1.5	0.0	0.0
152	63.119	0.016	0.202	0.23	2.79e-02	2.26e-06	0.0	0.03	3.42e-03	0.0	0.0
153	63.628	0.016	0.202	1.00	0.1	0.03	3.39e-03	3.85	0.5	0.0	0.0
154	64.892	0.015	0.202	0.72	8.65e-02	0.04	5.38e-03	1.26	0.2	0.0	0.0
155	65.047	0.015	0.202	2.52e-06	0.0	0.19	2.30e-02	0.02	2.74e-03	0.0	0.0
156	65.772	0.015	0.202	4.32e-04	5.18e-05	0.04	4.81e-03	0.07	7.91e-03	0.0	0.0
157	67.019	0.015	0.202	2.46e-04	2.95e-05	3.70e-04	4.44e-05	0.02	2.22e-03	0.0	0.0
158	69.125	0.014	0.202	3.52e-04	4.22e-05	6.63e-05	7.95e-06	0.13	1.53e-02	0.0	0.0
159	70.054	0.014	0.202	8.56e-03	1.03e-03	5.85e-04	7.02e-05	0.10	1.15e-02	0.0	0.0
160	70.163	0.014	0.202	0.04	5.29e-03	0.02	2.62e-03	0.03	3.83e-03	0.0	0.0
161	70.301	0.014	0.202	4.02e-03	4.81e-04	0.08	9.56e-03	0.01	1.33e-03	0.0	0.0
162	72.808	0.014	0.202	2.01e-03	2.41e-04	6.06e-05	7.27e-06	0.22	2.58e-02	0.0	0.0
163	73.390	0.014	0.202	2.48e-04	2.98e-05	0.02	2.89e-03	0.13	1.62e-02	0.0	0.0
164	73.758	0.014	0.202	7.46e-03	8.94e-04	4.73e-03	5.67e-04	0.41	4.93e-02	0.0	0.0
165	75.393	0.013	0.202	0.08	1.01e-02	6.32e-04	7.57e-05	0.07	7.94e-03	0.0	0.0
166	76.369	0.013	0.202	3.58e-03	4.30e-04	4.77e-03	5.72e-04	0.34	4.03e-02	0.0	0.0
167	78.528	0.013	0.202	0.10	1.20e-02	2.12e-03	2.54e-04	0.02	2.08e-03	0.0	0.0
168	78.661	0.013	0.202	0.09	1.12e-02	3.74e-04	4.48e-05	0.37	4.45e-02	0.0	0.0
169	79.710	0.013	0.202	3.56e-03	4.27e-04	6.97e-03	8.36e-04	0.02	2.30e-03	0.0	0.0
170	79.920	0.013	0.202	1.18e-03	1.41e-04	0.0	0.0	15.94	1.9	0.0	0.0
171	81.491	0.012	0.202	7.15e-03	8.57e-04	2.12e-03	2.54e-04	0.02	2.78e-03	0.0	0.0
172	82.935	0.012	0.202	2.79e-04	3.35e-05	0.46	5.51e-02	1.29	0.2	0.0	0.0
173	84.079	0.012	0.202	6.02e-04	7.22e-05	0.02	1.88e-03	3.25	0.4	0.0	0.0
174	84.946	0.012	0.202	8.18e-04	9.80e-05	0.02	2.59e-03	0.13	1.57e-02	0.0	0.0
175	86.921	0.012	0.202	2.39e-03	2.87e-04	4.79e-04	5.74e-05	0.04	4.28e-03	0.0	0.0
176	88.758	0.011	0.202	1.86e-04	2.22e-05	0.02	2.26e-03	2.44	0.3	0.0	0.0
177	89.551	0.011	0.202	2.30e-05	2.75e-06	0.29	3.46e-02	0.32	3.88e-02	0.0	0.0
178	92.023	0.011	0.202	0.02	2.88e-03	6.13e-03	7.35e-04	0.31	3.77e-02	0.0	0.0
179	92.461	0.011	0.202	0.03	3.48e-03	3.83e-03	4.59e-04	0.24	2.91e-02	0.0	0.0
180	94.512	0.011	0.202	3.32e-06	0.0	0.15	1.75e-02	2.20e-03	2.63e-04	0.0	0.0
181	96.072	0.010	0.202	2.15e-04	2.58e-05	0.10	1.24e-02	0.39	4.66e-02	0.0	0.0
182	98.135	0.010	0.202	9.77e-03	1.17e-03	0.03	4.03e-03	0.28	3.32e-02	0.0	0.0
183	99.232	0.010	0.202	1.04e-04	1.25e-05	0.01	1.28e-03	1.34	0.2	0.0	0.0
184	100.444	0.010	0.202	0.01	1.47e-03	3.34e-03	4.00e-04	0.27	3.21e-02	0.0	0.0
185	103.277	0.010	0.202	7.88e-04	9.44e-05	9.57e-03	1.15e-03	1.83	0.2	0.0	0.0
186	104.259	0.010	0.202	1.72e-06	0.0	0.07	7.96e-03	0.33	3.93e-02	0.0	0.0
187	106.775	0.009	0.202	4.47e-05	5.36e-06	1.12e-03	1.34e-04	6.70	0.8	0.0	0.0
188	112.290	0.009	0.202	7.49e-06	0.0	8.07e-03	9.68e-04	0.02	2.45e-03	0.0	0.0
189	113.836	0.009	0.202	4.93e-05	5.92e-06	4.22e-04	5.06e-05	0.75	8.95e-02	0.0	0.0
190	114.534	0.009	0.202	8.53e-03	1.02e-03	1.07e-05	1.28e-06	6.97e-04	8.35e-05	0.0	0.0
191	122.025	0.008	0.202	0.0	0.0	0.02	1.99e-03	3.94e-03	4.72e-04	0.0	0.0
192	131.808	0.008	0.202	0.41	4.90e-02	0.06	7.17e-03	0.02	2.34e-03	0.0	0.0
193	134.593	0.007	0.202	3.99e-03	4.78e-04	6.31e-06	0.0	3.28	0.4	0.0	0.0
194	138.375	0.007	0.202	0.44	5.25e-02	0.05	5.45e-03	0.01	1.54e-03	0.0	0.0
195	140.980	0.007	0.202	0.15	1.79e-02	0.07	8.95e-03	1.01e-03	1.21e-04	0.0	0.0
196	145.642	0.007	0.202	3.90e-03	4.67e-04	1.83e-03	2.19e-04	15.84	1.9	0.0	0.0
197	148.896	0.007	0.202	0.28	3.36e-02	0.05	6.58e-03	0.84	0.1	0.0	0.0
198	150.812	0.007	0.202	9.33e-03	1.12e-03	0.24	2.83e-02	3.27	0.4	0.0	0.0
199	155.425	0.006	0.202	1.70e-03	2.04e-04	0.03	3.77e-03	7.62	0.9	0.0	0.0
200	161.537	0.006	0.202	0.19	2.27e-02	0.04	4.77e-03	0.02	2.10e-03	0.0	0.0
201	168.825	0.006	0.202	0.20	2.37e-02	0.05	5.61e-03	1.74	0.2	0.0	0.0
202	173.662	0.006	0.202	6.54e-04	7.85e-05	0.02	2.37e-03	8.98	1.1	0.0	0.0
203	178.190	0.006	0.202	0.03	3.37e-03	0.07	8.95e-03	1.36	0.2	0.0	0.0
204	186.657	0.005	0.202	2.25e-03	2.70e-04	0.09	1.09e-02	0.07	8.11e-03	0.0	0.0
205	189.333	0.005	0.202	0.09	1.08e-02	5.00e-04	5.99e-05	0.40	4.74e-02	0.0	0.0
206	193.985	0.005	0.202	0.03	3.10e-03	7.48e-05	8.97e-06	1.58	0.2	0.0	0.0
207	212.967	0.005	0.202	0.01	1.79e-03	0.07	8.15e-03	0.10	1.17e-02	0.0	0.0
208	218.658	0.005	0.202	5.62e-03	6.73e-04	0.03	3.95e-03	1.23	0.1	0.0	0.0
209	221.859	0.005	0.202	5.18e-03	6.21e-04	3.59e-03	4.30e-04	3.21	0.4	0.0	0.0
210	258.317	0.004	0.202	9.49e-04	1.14e-04	0.03	3.66e-03	3.03e-04	3.63e-05	0.0	0.0
211	265.516	0.004	0.202	5.36e-03	6.43e-04	1.77e-03	2.13e-04	2.57	0.3	0.0	0.0
212	274.266	0.004	0.202	0.13	1.54e-02	0.03	3.90e-03	0.09	1.06e-02	0.0	0.0
213	296.015	0.003	0.202	0.01	1.46e-03	0.10	1.15e-02	1.95e-04	2.34e-05	0.0	0.0
214	302.843	0.003	0.202	0.06	7.77e-03	1.95e-03	2.34e-04	3.13e-03	3.76e-04	0.0	0.0
215	339.502	0.003	0.202	1.30e-04	1.56e-05	0.0	0.0	0.85	0.1	0.0	0.0
216	348.154	0.003	0.202	6.23e-03	7.47e-04	1.54e-03	1.85e-04	6.91e-03	8.29e-04	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
217	367.049	0.003	0.202	3.61e-03	4.32e-04	2.83e-03	3.39e-04	0.04	4.23e-03	0.0	0.0
218	416.128	0.002	0.202	6.77e-05	8.11e-06	5.49e-05	6.58e-06	0.85	0.1	0.0	0.0
219	532.094	0.002	0.202	8.77e-05	1.05e-05	1.18e-03	1.42e-04	0.13	1.54e-02	0.0	0.0
220	559.446	0.002	0.202	4.54e-03	5.44e-04	2.81e-04	3.37e-05	0.31	3.75e-02	0.0	0.0
221	608.365	0.002	0.202	2.23e-04	2.67e-05	7.49e-05	8.98e-06	0.54	6.47e-02	0.0	0.0
222	810.356	0.001	0.202	1.25e-04	1.49e-05	6.16e-04	7.39e-05	1.25e-03	1.50e-04	0.0	0.0
223	919.698	0.001	0.202	5.83e-04	6.99e-05	1.25e-05	1.50e-06	0.09	1.06e-02	0.0	0.0
224	960.823	0.001	0.202	7.57e-05	9.08e-06	1.10e-05	1.32e-06	0.27	3.19e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

CDC	Tipo	Sigla Id	Note
20	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.423 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati:224
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
13.90	23.82	5.40	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.70	66.24	5.40	3.40	-0.40	0.0	5.40	3.40	2.058	0.0	0.0
10.80	186.46	4.81	4.03	-0.54	0.0	5.16	4.36	1.147	0.067	0.070
9.60	4.59	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.054	0.0
8.40	4.37	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.052	0.0
7.20	193.78	5.37	3.44	-0.54	0.0	5.54	3.54	1.062	0.035	0.022
6.05	65.05	1.93	6.87	-0.30	0.0	2.50	6.80	1.411	0.154	0.024
6.00	4.59	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.054	0.0
4.80	4.37	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.052	0.0
3.60	203.91	5.36	3.44	-0.54	0.0	5.54	3.54	1.062	0.037	0.022
2.46	67.69	2.62	6.18	-0.38	0.0	3.03	6.33	1.281	0.090	0.042
2.40	4.59	8.53	3.40	-0.08	0.0	8.46	3.40	2.326	0.054	0.0
1.20	4.25	8.55	3.38	-0.08	0.0	8.46	3.40	2.326	0.067	0.022
0.40	0.36	7.80	4.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	834.06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.843	1.187	0.206	9.92	1.2	7.57e-04	9.08e-05	0.0	0.0	0.0	0.0
2	0.846	1.182	0.207	0.03	3.69e-03	0.0	0.0	5.13e-06	0.0	0.0	0.0
3	1.049	0.953	0.229	2.03e-03	2.44e-04	11.07	1.3	1.21e-05	1.45e-06	0.0	0.0
4	1.054	0.949	0.230	1.22e-04	1.46e-05	0.03	3.07e-03	1.40e-05	1.67e-06	0.0	0.0
5	1.325	0.755	0.281	10.93	1.3	7.76e-03	9.31e-04	0.0	0.0	0.0	0.0
6	1.327	0.754	0.282	0.04	4.27e-03	6.86e-06	0.0	5.36e-06	0.0	0.0	0.0
7	1.419	0.705	0.330	4.42e-03	5.29e-04	10.12	1.2	1.46e-06	0.0	0.0	0.0
8	1.421	0.704	0.331	1.14e-04	1.37e-05	0.03	3.32e-03	9.32e-06	1.12e-06	0.0	0.0
9	1.510	0.662	0.359	6.74	0.8	1.34e-05	1.61e-06	1.30e-05	1.56e-06	0.0	0.0
10	1.517	0.659	0.360	0.01	1.60e-03	1.83e-04	2.20e-05	1.23e-05	1.48e-06	0.0	0.0
11	1.592	0.628	0.398	1.45e-06	0.0	3.29	0.4	0.0	0.0	0.0	0.0
12	2.334	0.428	0.464	29.14	3.5	92.66	11.1	6.17e-03	7.40e-04	0.0	0.0
13	2.363	0.423	0.471	139.46	16.7	273.97	32.8	0.03	3.62e-03	0.0	0.0
14	2.940	0.340	0.588	307.13	36.8	157.95	18.9	0.02	2.14e-03	0.0	0.0
15	3.517	0.284	0.609	34.20	4.1	19.01	2.3	2.60e-06	0.0	0.0	0.0
16	3.648	0.274	0.602	23.60	2.8	1.62	0.2	2.35e-03	2.82e-04	0.0	0.0
17	3.977	0.251	0.561	0.07	8.34e-03	37.95	4.6	0.12	1.45e-02	0.0	0.0
18	4.035	0.248	0.542	0.67	8.03e-02	19.63	2.4	6.54e-04	7.85e-05	0.0	0.0
19	4.229	0.236	0.488	0.29	3.54e-02	2.84e-04	3.41e-05	2.12e-04	2.54e-05	0.0	0.0
20	4.629	0.216	0.421	2.12e-03	2.54e-04	15.37	1.8	1.53e-05	1.83e-06	0.0	0.0
21	5.141	0.195	0.417	19.19	2.3	4.56e-05	5.46e-06	1.59e-05	1.90e-06	0.0	0.0
22	5.591	0.179	0.412	19.13	2.3	6.31e-06	0.0	0.31	3.72e-02	0.0	0.0
23	5.858	0.171	0.399	0.84	0.1	0.28	3.41e-02	5.56e-03	6.66e-04	0.0	0.0
24	6.010	0.166	0.392	5.89	0.7	8.26	1.0	0.01	1.59e-03	0.0	0.0
25	6.395	0.156	0.376	2.85	0.3	1.44	0.2	0.02	1.81e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
26	6.816	0.147	0.359	6.87	0.8	5.57e-04	6.68e-05	7.04e-03	8.44e-04	0.0	0.0
27	7.023	0.142	0.352	33.46	4.0	0.40	4.78e-02	0.03	4.14e-03	0.0	0.0
28	7.183	0.139	0.347	0.10	1.25e-02	1.69	0.2	0.01	1.76e-03	0.0	0.0
29	7.374	0.136	0.341	33.11	4.0	0.88	0.1	0.15	1.84e-02	0.0	0.0
30	7.654	0.131	0.333	9.83e-04	1.18e-04	0.69	8.32e-02	0.73	8.81e-02	0.0	0.0
31	7.889	0.127	0.327	3.32	0.4	14.14	1.7	0.10	1.22e-02	0.0	0.0
32	8.150	0.123	0.320	0.12	1.45e-02	17.74	2.1	0.04	4.87e-03	0.0	0.0
33	8.472	0.118	0.315	15.22	1.8	21.73	2.6	7.03e-03	8.43e-04	0.0	0.0
34	8.670	0.115	0.315	3.15	0.4	5.44	0.7	0.03	3.38e-03	0.0	0.0
35	9.008	0.111	0.314	0.76	9.05e-02	1.78	0.2	0.04	5.09e-03	0.0	0.0
36	9.350	0.107	0.313	2.38	0.3	8.66	1.0	0.04	4.56e-03	0.0	0.0
37	9.796	0.102	0.312	0.12	1.44e-02	0.79	9.45e-02	4.99e-04	5.98e-05	0.0	0.0
38	10.422	0.096	0.302	10.62	1.3	0.05	6.02e-03	2.53	0.3	0.0	0.0
39	10.541	0.095	0.300	1.71	0.2	0.42	5.05e-02	0.50	6.02e-02	0.0	0.0
40	10.699	0.093	0.297	3.03	0.4	0.25	3.03e-02	2.73	0.3	0.0	0.0
41	10.781	0.093	0.295	2.52	0.3	1.26	0.2	0.10	1.24e-02	0.0	0.0
42	11.771	0.085	0.278	1.08e-03	1.29e-04	5.60	0.7	5.85e-04	7.01e-05	0.0	0.0
43	12.184	0.082	0.272	5.76e-03	6.90e-04	3.51	0.4	0.02	2.24e-03	0.0	0.0
44	12.418	0.081	0.268	5.71	0.7	13.47	1.6	10.27	1.2	0.0	0.0
45	12.497	0.080	0.267	2.73	0.3	5.39	0.6	25.36	3.0	0.0	0.0
46	13.194	0.076	0.258	9.27	1.1	0.18	2.15e-02	0.02	2.30e-03	0.0	0.0
47	13.433	0.074	0.256	4.03	0.5	0.51	6.11e-02	0.08	9.41e-03	0.0	0.0
48	13.598	0.074	0.254	4.79	0.6	0.62	7.38e-02	0.61	7.30e-02	0.0	0.0
49	13.800	0.072	0.251	0.19	2.32e-02	2.33e-04	2.79e-05	2.57	0.3	0.0	0.0
50	13.893	0.072	0.250	0.07	8.35e-03	0.80	9.59e-02	0.02	2.82e-03	0.0	0.0
51	14.240	0.070	0.247	5.27	0.6	0.09	1.06e-02	0.35	4.18e-02	0.0	0.0
52	14.359	0.070	0.246	1.51	0.2	0.91	0.1	3.46	0.4	0.0	0.0
53	14.583	0.069	0.243	0.21	2.54e-02	0.20	2.39e-02	0.05	5.44e-03	0.0	0.0
54	14.843	0.067	0.241	0.01	1.22e-03	0.31	3.69e-02	9.56e-03	1.15e-03	0.0	0.0
55	15.258	0.066	0.237	3.11	0.4	0.14	1.67e-02	0.03	3.44e-03	0.0	0.0
56	15.294	0.065	0.237	2.31e-03	2.77e-04	3.85e-03	4.62e-04	0.01	1.32e-03	0.0	0.0
57	15.411	0.065	0.236	0.03	3.27e-03	0.91	0.1	4.99e-03	5.99e-04	0.0	0.0
58	15.647	0.064	0.234	0.81	9.73e-02	3.26	0.4	0.03	3.35e-03	0.0	0.0
59	15.770	0.063	0.233	1.48	0.2	1.55	0.2	2.08e-03	2.50e-04	0.0	0.0
60	16.010	0.062	0.231	1.02	0.1	0.49	5.86e-02	4.25e-03	5.10e-04	0.0	0.0
61	16.032	0.062	0.230	9.83e-06	1.18e-06	1.32	0.2	8.71	1.0	0.0	0.0
62	16.348	0.061	0.228	0.78	9.37e-02	1.79	0.2	7.12	0.9	0.0	0.0
63	16.411	0.061	0.227	9.28e-03	1.11e-03	5.45	0.7	2.28	0.3	0.0	0.0
64	16.452	0.061	0.227	2.88	0.3	6.49	0.8	0.10	1.16e-02	0.0	0.0
65	16.679	0.060	0.225	5.70	0.7	0.92	0.1	0.34	4.06e-02	0.0	0.0
66	16.831	0.059	0.225	1.07	0.1	3.41	0.4	2.24e-05	2.68e-06	0.0	0.0
67	17.462	0.057	0.223	1.59	0.2	4.92	0.6	0.09	1.09e-02	0.0	0.0
68	17.651	0.057	0.222	0.23	2.79e-02	0.23	2.70e-02	0.09	1.12e-02	0.0	0.0
69	18.251	0.055	0.220	3.16e-05	3.78e-06	0.89	0.1	0.08	9.17e-03	0.0	0.0
70	18.322	0.055	0.220	0.58	6.93e-02	0.03	4.07e-03	0.05	6.02e-03	0.0	0.0
71	18.397	0.054	0.220	0.04	4.65e-03	5.53	0.7	3.32	0.4	0.0	0.0
72	18.514	0.054	0.219	2.45	0.3	1.86	0.2	0.48	5.78e-02	0.0	0.0
73	18.561	0.054	0.219	0.47	5.63e-02	0.48	5.75e-02	0.04	5.05e-03	0.0	0.0
74	19.007	0.053	0.218	7.14	0.9	0.63	7.59e-02	8.73	1.0	0.0	0.0
75	19.084	0.052	0.218	0.06	6.98e-03	1.94	0.2	0.04	4.46e-03	0.0	0.0
76	19.724	0.051	0.216	0.92	0.1	0.54	6.52e-02	0.03	3.50e-03	0.0	0.0
77	20.377	0.049	0.214	5.01e-03	6.00e-04	0.63	7.59e-02	14.77	1.8	0.0	0.0
78	20.737	0.048	0.214	0.05	6.41e-03	0.09	1.07e-02	5.77	0.7	0.0	0.0
79	21.820	0.046	0.211	1.60	0.2	0.08	9.85e-03	2.31	0.3	0.0	0.0
80	22.443	0.045	0.210	0.20	2.46e-02	0.24	2.93e-02	15.74	1.9	0.0	0.0
81	22.648	0.044	0.209	1.01	0.1	7.13e-03	8.55e-04	9.20	1.1	0.0	0.0
82	23.159	0.043	0.209	0.01	1.55e-03	0.06	6.82e-03	7.79	0.9	0.0	0.0
83	23.504	0.043	0.208	0.04	5.00e-03	0.78	9.36e-02	1.22	0.1	0.0	0.0
84	24.945	0.040	0.205	1.02	0.1	0.07	8.90e-03	0.02	2.55e-03	0.0	0.0
85	25.063	0.040	0.205	3.70e-03	4.43e-04	0.23	2.75e-02	0.21	2.50e-02	0.0	0.0
86	25.354	0.039	0.205	0.39	4.71e-02	1.40e-03	1.68e-04	0.36	4.30e-02	0.0	0.0
87	25.456	0.039	0.205	0.78	9.32e-02	2.76e-04	3.31e-05	2.84e-03	3.40e-04	0.0	0.0
88	25.671	0.039	0.205	0.07	8.43e-03	0.15	1.80e-02	2.85	0.3	0.0	0.0
89	26.022	0.038	0.205	0.07	8.29e-03	1.59e-04	1.91e-05	0.16	1.88e-02	0.0	0.0
90	26.321	0.038	0.205	3.29	0.4	0.01	1.41e-03	0.03	3.25e-03	0.0	0.0
91	26.636	0.038	0.205	0.02	2.34e-03	0.15	1.81e-02	1.52	0.2	0.0	0.0
92	26.716	0.037	0.205	0.19	2.23e-02	0.52	6.26e-02	0.13	1.55e-02	0.0	0.0
93	27.349	0.037	0.205	0.01	1.43e-03	1.08	0.1	0.14	1.70e-02	0.0	0.0
94	28.118	0.036	0.205	1.16e-03	1.39e-04	9.41e-03	1.13e-03	8.11	1.0	0.0	0.0
95	28.232	0.035	0.205	0.01	1.78e-03	0.04	4.79e-03	53.87	6.5	0.0	0.0
96	28.556	0.035	0.205	1.79	0.2	0.02	2.17e-03	0.04	4.66e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
97	28.717	0.035	0.204	0.23	2.73e-02	0.55	6.54e-02	0.61	7.28e-02	0.0	0.0
98	29.090	0.034	0.204	0.03	3.56e-03	0.72	8.61e-02	0.04	5.34e-03	0.0	0.0
99	29.934	0.033	0.204	1.59	0.2	0.21	2.51e-02	0.01	1.33e-03	0.0	0.0
100	30.524	0.033	0.204	2.67	0.3	0.02	1.83e-03	8.77e-03	1.05e-03	0.0	0.0
101	31.530	0.032	0.204	2.39	0.3	0.04	5.03e-03	0.02	2.00e-03	0.0	0.0
102	31.787	0.031	0.204	0.06	7.52e-03	4.14e-04	4.97e-05	4.60	0.6	0.0	0.0
103	34.455	0.029	0.204	8.39e-04	1.01e-04	3.22e-03	3.86e-04	10.69	1.3	0.0	0.0
104	35.210	0.028	0.203	4.74	0.6	0.06	7.58e-03	1.33	0.2	0.0	0.0
105	36.237	0.028	0.203	1.91e-04	2.29e-05	0.05	5.65e-03	2.82	0.3	0.0	0.0
106	36.288	0.028	0.203	2.28e-03	2.74e-04	0.09	1.07e-02	2.72	0.3	0.0	0.0
107	36.584	0.027	0.203	0.20	2.37e-02	5.87e-06	0.0	0.03	4.05e-03	0.0	0.0
108	36.948	0.027	0.203	3.38e-04	4.05e-05	2.22e-04	2.67e-05	27.17	3.3	0.0	0.0
109	37.134	0.027	0.203	4.12e-05	4.94e-06	4.75e-03	5.70e-04	0.03	3.44e-03	0.0	0.0
110	37.695	0.027	0.203	0.02	2.49e-03	4.79e-04	5.74e-05	6.01e-03	7.21e-04	0.0	0.0
111	38.069	0.026	0.203	0.04	4.94e-03	1.88e-03	2.25e-04	2.51e-03	3.00e-04	0.0	0.0
112	39.523	0.025	0.203	8.90e-05	1.07e-05	0.40	4.79e-02	5.94e-06	0.0	0.0	0.0
113	40.357	0.025	0.203	2.25e-05	2.70e-06	0.01	1.31e-03	0.02	2.58e-03	0.0	0.0
114	41.204	0.024	0.203	2.86e-04	3.43e-05	0.0	0.0	59.88	7.2	0.0	0.0
115	41.408	0.024	0.203	8.65e-03	1.04e-03	8.50e-06	1.02e-06	0.05	5.61e-03	0.0	0.0
116	41.712	0.024	0.203	0.01	1.52e-03	9.77e-03	1.17e-03	0.13	1.57e-02	0.0	0.0
117	41.754	0.024	0.203	0.03	3.67e-03	9.88e-03	1.18e-03	17.67	2.1	0.0	0.0
118	41.978	0.024	0.203	6.04e-03	7.25e-04	6.57e-03	7.88e-04	0.01	1.55e-03	0.0	0.0
119	43.711	0.023	0.203	0.29	3.42e-02	1.95	0.2	4.59e-03	5.50e-04	0.0	0.0
120	44.895	0.022	0.202	1.14e-03	1.36e-04	0.12	1.41e-02	0.03	3.50e-03	0.0	0.0
121	45.059	0.022	0.202	3.03e-06	0.0	9.77	1.2	1.50e-03	1.80e-04	0.0	0.0
122	45.622	0.022	0.202	1.43e-03	1.71e-04	0.02	2.02e-03	0.56	6.72e-02	0.0	0.0
123	46.332	0.022	0.202	3.99e-04	4.78e-05	0.02	1.92e-03	43.65	5.2	0.0	0.0
124	46.448	0.022	0.202	6.57e-03	7.88e-04	5.34e-04	6.41e-05	2.66	0.3	0.0	0.0
125	46.850	0.021	0.202	0.08	9.24e-03	0.97	0.1	3.41	0.4	0.0	0.0
126	46.916	0.021	0.202	0.08	1.00e-02	0.99	0.1	8.45	1.0	0.0	0.0
127	47.402	0.021	0.202	1.14e-03	1.37e-04	0.04	4.36e-03	11.54	1.4	0.0	0.0
128	49.258	0.020	0.202	2.68e-03	3.22e-04	9.18e-05	1.10e-05	102.43	12.3	0.0	0.0
129	49.698	0.020	0.202	0.04	4.26e-03	0.01	1.41e-03	3.73	0.4	0.0	0.0
130	49.856	0.020	0.202	7.63	0.9	4.09e-05	4.91e-06	0.25	2.95e-02	0.0	0.0
131	50.879	0.020	0.202	9.60e-03	1.15e-03	0.13	1.57e-02	27.22	3.3	0.0	0.0
132	52.820	0.019	0.202	1.12e-06	0.0	4.20e-06	0.0	37.17	4.5	0.0	0.0
133	53.494	0.019	0.202	1.08e-06	0.0	1.02e-03	1.22e-04	16.36	2.0	0.0	0.0
134	54.116	0.018	0.202	0.02	2.93e-03	0.0	0.0	16.49	2.0	0.0	0.0
135	54.346	0.018	0.202	0.08	9.41e-03	0.0	0.0	5.61e-05	6.73e-06	0.0	0.0
136	54.515	0.018	0.202	2.77e-06	0.0	0.07	7.90e-03	2.82e-05	3.38e-06	0.0	0.0
137	54.983	0.018	0.202	4.31e-03	5.17e-04	0.02	2.88e-03	29.26	3.5	0.0	0.0
138	55.350	0.018	0.202	6.13e-06	0.0	1.11e-04	1.34e-05	7.70e-03	9.23e-04	0.0	0.0
139	55.644	0.018	0.202	1.89e-03	2.26e-04	8.96e-06	1.07e-06	0.01	1.55e-03	0.0	0.0
140	55.711	0.018	0.202	0.09	1.05e-02	1.94e-03	2.32e-04	0.03	3.67e-03	0.0	0.0
141	56.685	0.018	0.202	1.71e-03	2.05e-04	0.02	2.50e-03	0.45	5.40e-02	0.0	0.0
142	56.772	0.018	0.202	1.71e-05	2.05e-06	7.34	0.9	5.71	0.7	0.0	0.0
143	58.235	0.017	0.202	7.38	0.9	0.0	0.0	5.02	0.6	0.0	0.0
144	58.984	0.017	0.202	0.01	1.37e-03	4.68e-04	5.61e-05	3.14	0.4	0.0	0.0
145	59.098	0.017	0.202	0.09	1.13e-02	5.39e-03	6.46e-04	30.89	3.7	0.0	0.0
146	60.270	0.017	0.202	4.38e-04	5.26e-05	3.05e-04	3.66e-05	3.03e-03	3.63e-04	0.0	0.0
147	60.691	0.016	0.202	1.74e-03	2.08e-04	9.49e-06	1.14e-06	7.83	0.9	0.0	0.0
148	60.694	0.016	0.202	5.54e-05	6.64e-06	2.47e-04	2.97e-05	17.11	2.1	0.0	0.0
149	61.147	0.016	0.202	2.93e-03	3.52e-04	9.84e-04	1.18e-04	1.25e-03	1.50e-04	0.0	0.0
150	61.313	0.016	0.202	1.25e-06	0.0	0.29	3.44e-02	1.73e-03	2.08e-04	0.0	0.0
151	61.691	0.016	0.202	1.32e-04	1.58e-05	0.0	0.0	13.92	1.7	0.0	0.0
152	61.729	0.016	0.202	2.19e-06	0.0	4.46e-04	5.35e-05	13.56	1.6	0.0	0.0
153	63.119	0.016	0.202	0.23	2.79e-02	1.73e-06	0.0	0.03	3.44e-03	0.0	0.0
154	63.646	0.016	0.202	1.04	0.1	0.02	2.98e-03	3.97	0.5	0.0	0.0
155	64.947	0.015	0.202	0.68	8.13e-02	0.04	5.15e-03	1.15	0.1	0.0	0.0
156	67.288	0.015	0.202	4.28e-04	5.13e-05	8.76e-04	1.05e-04	0.03	3.53e-03	0.0	0.0
157	69.048	0.014	0.202	2.56e-04	3.07e-05	3.32e-05	3.99e-06	0.14	1.67e-02	0.0	0.0
158	70.053	0.014	0.202	7.54e-03	9.04e-04	4.70e-04	5.63e-05	0.07	8.27e-03	0.0	0.0
159	70.171	0.014	0.202	0.05	5.88e-03	8.88e-04	1.06e-04	0.04	4.86e-03	0.0	0.0
160	70.991	0.014	0.202	9.38e-04	1.12e-04	6.71e-03	8.05e-04	0.33	3.96e-02	0.0	0.0
161	72.839	0.014	0.202	1.34e-03	1.60e-04	1.37e-03	1.65e-04	0.28	3.34e-02	0.0	0.0
162	75.138	0.013	0.202	3.47e-03	4.17e-04	0.12	1.42e-02	1.97e-03	2.37e-04	0.0	0.0
163	75.326	0.013	0.202	0.05	5.82e-03	0.03	3.08e-03	6.82e-06	0.0	0.0	0.0
164	75.379	0.013	0.202	0.04	4.99e-03	0.04	4.26e-03	0.03	3.33e-03	0.0	0.0
165	76.669	0.013	0.202	7.46e-04	8.94e-05	0.03	3.80e-03	0.34	4.12e-02	0.0	0.0
166	77.123	0.013	0.202	1.08e-04	1.29e-05	0.01	1.57e-03	0.53	6.38e-02	0.0	0.0
167	78.562	0.013	0.202	0.19	2.28e-02	4.52e-04	5.42e-05	0.07	7.94e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
168	79.384	0.013	0.202	9.04e-03	1.08e-03	0.02	1.85e-03	0.60	7.23e-02	0.0	0.0
169	79.912	0.013	0.202	2.51e-04	3.00e-05	1.23e-05	1.47e-06	15.31	1.8	0.0	0.0
170	81.310	0.012	0.202	6.81e-03	8.16e-04	5.31e-03	6.37e-04	0.23	2.75e-02	0.0	0.0
171	82.861	0.012	0.202	1.12e-03	1.34e-04	0.23	2.75e-02	2.51e-03	3.01e-04	0.0	0.0
172	83.176	0.012	0.202	2.60e-05	3.12e-06	0.13	1.58e-02	3.21	0.4	0.0	0.0
173	84.337	0.012	0.202	2.04e-03	2.45e-04	1.86e-03	2.23e-04	1.97	0.2	0.0	0.0
174	85.106	0.012	0.202	5.17e-05	6.20e-06	0.01	1.63e-03	0.13	1.55e-02	0.0	0.0
175	86.990	0.011	0.202	6.27e-04	7.52e-05	1.74e-03	2.09e-04	0.99	0.1	0.0	0.0
176	88.652	0.011	0.202	1.49e-03	1.79e-04	6.72e-05	8.06e-06	0.26	3.14e-02	0.0	0.0
177	90.027	0.011	0.202	2.98e-04	3.58e-05	0.28	3.38e-02	0.79	9.43e-02	0.0	0.0
178	91.659	0.011	0.202	3.13e-05	3.75e-06	0.02	2.39e-03	0.48	5.80e-02	0.0	0.0
179	92.321	0.011	0.202	0.05	6.43e-03	3.98e-04	4.77e-05	4.33e-03	5.20e-04	0.0	0.0
180	95.649	0.010	0.202	2.12e-05	2.54e-06	0.14	1.69e-02	0.07	8.80e-03	0.0	0.0
181	96.339	0.010	0.202	9.69e-05	1.16e-05	0.05	5.74e-03	0.79	9.42e-02	0.0	0.0
182	97.162	0.010	0.202	1.75e-03	2.09e-04	0.27	3.23e-02	0.09	1.03e-02	0.0	0.0
183	98.593	0.010	0.202	4.14e-03	4.97e-04	0.01	1.76e-03	0.24	2.83e-02	0.0	0.0
184	100.495	0.010	0.202	0.01	1.53e-03	6.29e-03	7.54e-04	0.36	4.26e-02	0.0	0.0
185	102.163	0.010	0.202	2.93e-03	3.51e-04	4.08e-03	4.89e-04	3.58	0.4	0.0	0.0
186	106.224	0.009	0.202	1.94e-05	2.33e-06	3.32e-05	3.98e-06	7.04	0.8	0.0	0.0
187	106.843	0.009	0.202	8.01e-06	0.0	8.51e-03	1.02e-03	0.05	5.47e-03	0.0	0.0
188	113.315	0.009	0.202	4.84e-04	5.80e-05	7.30e-05	8.75e-06	0.05	5.55e-03	0.0	0.0
189	114.611	0.009	0.202	8.04e-03	9.64e-04	3.66e-04	4.39e-05	4.43e-03	5.31e-04	0.0	0.0
190	115.756	0.009	0.202	6.60e-05	7.92e-06	0.06	7.61e-03	2.72e-03	3.26e-04	0.0	0.0
191	127.977	0.008	0.202	3.82e-03	4.58e-04	0.03	3.47e-03	0.05	5.49e-03	0.0	0.0
192	130.101	0.008	0.202	0.17	2.09e-02	0.14	1.74e-02	0.03	3.15e-03	0.0	0.0
193	133.711	0.007	0.202	5.83e-03	6.99e-04	2.16e-05	2.59e-06	3.11	0.4	0.0	0.0
194	136.216	0.007	0.202	0.69	8.29e-02	0.08	9.95e-03	0.04	5.25e-03	0.0	0.0
195	137.326	0.007	0.202	0.02	2.04e-03	0.04	4.78e-03	2.40e-03	2.88e-04	0.0	0.0
196	145.308	0.007	0.202	0.05	6.01e-03	0.02	1.96e-03	11.91	1.4	0.0	0.0
197	147.282	0.007	0.202	0.15	1.81e-02	0.15	1.75e-02	6.55	0.8	0.0	0.0
198	149.084	0.007	0.202	0.21	2.46e-02	0.02	2.90e-03	0.16	1.93e-02	0.0	0.0
199	155.238	0.006	0.202	2.45e-03	2.94e-04	5.83e-03	7.00e-04	8.68	1.0	0.0	0.0
200	161.974	0.006	0.202	0.19	2.23e-02	0.04	4.61e-03	0.02	2.29e-03	0.0	0.0
201	168.167	0.006	0.202	0.19	2.22e-02	0.07	8.61e-03	1.23	0.1	0.0	0.0
202	171.618	0.006	0.202	1.59e-03	1.90e-04	4.99e-03	5.98e-04	10.35	1.2	0.0	0.0
203	177.770	0.006	0.202	0.03	4.02e-03	0.15	1.83e-02	0.18	2.12e-02	0.0	0.0
204	185.408	0.005	0.202	0.05	5.96e-03	0.03	3.41e-03	0.29	3.44e-02	0.0	0.0
205	190.880	0.005	0.202	0.04	4.43e-03	4.24e-04	5.09e-05	1.57	0.2	0.0	0.0
206	195.332	0.005	0.202	0.04	4.57e-03	7.01e-04	8.41e-05	1.20	0.1	0.0	0.0
207	212.623	0.005	0.202	0.01	1.76e-03	0.06	6.72e-03	0.09	1.12e-02	0.0	0.0
208	220.383	0.005	0.202	6.81e-04	8.16e-05	0.02	2.73e-03	3.25	0.4	0.0	0.0
209	225.036	0.004	0.202	9.38e-03	1.12e-03	0.04	4.22e-03	0.97	0.1	0.0	0.0
210	253.606	0.004	0.202	6.42e-04	7.69e-05	0.10	1.17e-02	5.74e-03	6.88e-04	0.0	0.0
211	265.098	0.004	0.202	8.94e-03	1.07e-03	1.24e-03	1.49e-04	2.52	0.3	0.0	0.0
212	269.754	0.004	0.202	0.09	1.08e-02	0.03	3.61e-03	0.17	2.08e-02	0.0	0.0
213	289.159	0.003	0.202	0.06	6.90e-03	0.03	3.56e-03	5.02e-03	6.01e-04	0.0	0.0
214	303.622	0.003	0.202	0.05	6.49e-03	3.11e-03	3.73e-04	0.01	1.34e-03	0.0	0.0
215	335.457	0.003	0.202	3.41e-04	4.08e-05	3.33e-05	3.99e-06	0.81	9.68e-02	0.0	0.0
216	351.606	0.003	0.202	9.32e-03	1.12e-03	3.91e-05	4.68e-06	0.02	2.00e-03	0.0	0.0
217	389.391	0.003	0.202	8.63e-04	1.04e-04	2.11e-03	2.53e-04	0.13	1.59e-02	0.0	0.0
218	415.459	0.002	0.202	1.48e-05	1.77e-06	1.15e-06	0.0	0.78	9.39e-02	0.0	0.0
219	542.583	0.002	0.202	7.21e-04	8.64e-05	7.83e-04	9.38e-05	0.32	3.81e-02	0.0	0.0
220	563.170	0.002	0.202	4.00e-03	4.80e-04	6.66e-04	7.99e-05	0.13	1.60e-02	0.0	0.0
221	609.924	0.002	0.202	1.22e-04	1.46e-05	1.65e-05	1.98e-06	0.54	6.47e-02	0.0	0.0
222	819.985	0.001	0.202	1.25e-04	1.50e-05	5.44e-04	6.52e-05	5.99e-03	7.18e-04	0.0	0.0
223	918.591	0.001	0.202	5.83e-04	6.99e-05	1.57e-05	1.88e-06	0.08	9.82e-03	0.0	0.0
224	962.252	0.001	0.202	7.29e-05	8.74e-06	1.66e-05	2.00e-06	0.27	3.21e-02	0.0	0.0
Risulta				833.71		833.71		833.70			
In percentuale				99.96		99.96		99.96			

Cmb	Pilas.	1000 etaT/h		etaT	inter. h	Pilas.	1000 etaT/h		etaT	inter. h	Pilas.	1000 etaT/h		etaT	inter. h
				mm	cm				mm	cm				mm	cm
51	1	0.08		0.10	120.0	98	0.75		2.71	360.0	99	0.42		1.51	360.0
	100	0.85		3.05	360.0	101	0.19		0.15	80.0	102	0.43		0.52	120.0
	103	0.08		0.06	80.0	104	0.36		0.43	120.0	105	0.37		0.45	120.0
	106	0.27		1.19	440.0	107	0.51		1.84	360.0	108	0.59		2.11	360.0
	109	0.36		1.59	440.0	110	0.68		2.46	360.0	111	0.79		2.84	360.0
	112	0.53		2.35	440.0	113	0.74		2.68	360.0	114	0.70		2.52	360.0
	115	0.72		2.35	325.5	116	0.91		4.34	474.5	117	1.06		5.01	474.5
	118	2.14		6.96	325.5	119	1.09		2.68	245.5	120	0.97		3.47	360.0
	121	0.44		0.36	80.0	122	0.78		1.91	245.5	123	0.67		2.40	360.0

	124	0.11	0.08	80.0	125	0.75	2.69	360.0	126	0.84	3.04	360.0
	127	1.40	2.66	190.0	129	1.03	1.95	190.0	132	1.53	2.92	190.0
	134	0.71	2.55	360.0	135	1.27	2.41	190.0	137	1.43	2.72	190.0
	138	1.26	2.39	190.0	141	1.14	2.16	190.0	144	0.73	1.39	190.0
	145	0.69	3.03	440.0	146	0.98	3.52	360.0	147	0.73	2.62	360.0
	165	0.90	3.22	360.0	204	0.53	1.91	360.0	205	3.27	3.74	114.5
	207	1.49	3.65	245.5	212	0.65	2.32	360.0	215	1.34	4.37	325.5
	223	0.85	3.07	360.0	231	1.17	2.86	245.5	237	0.63	2.25	360.0
	244	0.07	0.06	80.0	245	0.30	0.36	120.0	246	0.38	0.45	120.0
	247	0.30	0.36	120.0	248	0.23	0.27	120.0	249	7.85e-03	6.28e-03	80.0
	254	0.87	3.12	360.0	267	0.49	2.16	440.0	275	0.67	2.19	325.5
	284	2.12	6.90	325.5	296	0.14	0.11	80.0	304	0.74	2.67	360.0
	310	0.24	0.29	120.0	311	0.53	0.64	120.0	312	0.57	0.69	120.0
	313	0.21	0.25	120.0	314	0.48	0.57	120.0	315	0.52	0.62	120.0
	316	0.16	0.19	120.0	317	0.34	0.41	120.0	318	0.39	0.47	120.0
	319	0.31	0.37	120.0	320	0.26	0.32	120.0	321	0.02	6.28e-03	40.0
	322	0.31	0.38	120.0	323	0.45	0.54	120.0	324	0.68	0.82	120.0
	325	0.28	0.33	120.0	326	0.38	0.46	120.0	327	0.63	0.75	120.0
	328	0.19	0.23	120.0	329	0.37	0.44	120.0	330	0.40	0.49	120.0
	331	0.31	0.38	120.0	332	0.29	0.34	120.0	333	0.13	0.10	80.0
	334	0.31	0.37	120.0	335	0.25	0.30	120.0	336	0.26	0.32	120.0
	337	0.16	0.19	120.0	338	0.19	0.23	120.0	348	0.40	1.77	440.0
	350	0.47	2.08	440.0	356	0.98	3.19	325.5	363	1.00	3.25	325.5
	364	1.08	3.52	325.5	369	1.06	3.46	325.5	375	0.39	0.31	80.0
	376	1.77	2.02	114.5	379	1.53	5.50	360.0	381	0.88	2.17	245.5
	382	0.62	2.23	360.0	383	0.50	1.82	360.0	384	0.52	1.88	360.0
	385	1.66	4.09	245.5	386	0.46	1.67	360.0	390	0.73	2.37	325.5
	392	1.24	1.41	114.5	393	1.15	4.13	360.0	396	0.09	0.07	80.0
	397	0.40	0.48	120.0	398	0.50	0.57	114.5	399	2.16	2.48	114.5
	403	0.60	0.69	114.5	407	0.95	3.41	360.0	408	0.81	2.92	360.0
	421	0.92	1.05	114.5	422	1.12	5.30	474.5	423	0.80	0.92	114.5
	424	1.02	4.84	474.5	425	1.12	4.02	360.0	429	0.91	3.29	360.0
	433	0.56	2.48	440.0	434	0.91	3.27	360.0	435	0.91	3.27	360.0
	436	0.66	2.92	440.0	437	1.00	3.58	360.0	438	0.88	3.17	360.0
	439	0.65	2.88	440.0	440	0.98	3.53	360.0	441	0.87	3.14	360.0
	442	0.22	0.18	80.0	443	0.87	3.14	360.0				
52	1	0.18	0.22	120.0	98	1.00	3.60	360.0	99	1.45	5.21	360.0
	100	1.63	5.85	360.0	101	0.10	0.08	80.0	102	0.71	0.85	120.0
	103	0.20	0.16	80.0	104	0.84	1.01	120.0	105	0.81	0.98	120.0
	106	0.62	2.75	440.0	107	1.15	4.12	360.0	108	1.30	4.69	360.0
	109	0.75	3.28	440.0	110	1.39	5.01	360.0	111	1.65	5.93	360.0
	112	1.09	4.81	440.0	113	1.55	5.56	360.0	114	1.40	5.04	360.0
	115	0.71	2.31	325.5	116	1.76	8.36	474.5	117	1.86	8.82	474.5
	118	1.24	4.04	325.5	119	4.58	11.24	245.5	120	1.60	5.74	360.0
	121	0.29	0.24	80.0	122	3.34	8.21	245.5	123	1.25	4.50	360.0
	124	0.22	0.18	80.0	125	1.48	5.32	360.0	126	1.71	6.14	360.0
	127	2.71	5.15	190.0	129	2.02	3.84	190.0	132	2.90	5.50	190.0
	134	1.61	5.80	360.0	135	2.12	4.03	190.0	137	2.67	5.07	190.0
	138	2.39	4.54	190.0	141	2.07	3.94	190.0	144	1.65	3.13	190.0
	145	1.16	5.10	440.0	146	1.75	6.29	360.0	147	1.50	5.42	360.0
	165	1.56	5.63	360.0	204	1.18	4.26	360.0	205	1.78	2.04	114.5
	207	2.45	6.02	245.5	212	2.63	9.48	360.0	215	0.76	2.47	325.5
	223	3.73	13.43	360.0	231	2.04	5.00	245.5	237	1.41	5.08	360.0
	244	0.04	0.04	80.0	245	0.35	0.42	120.0	246	0.44	0.52	120.0
	247	0.57	0.68	120.0	248	0.44	0.52	120.0	249	0.02	0.02	80.0
	254	1.67	6.03	360.0	267	0.92	4.05	440.0	275	0.47	1.53	325.5
	284	1.12	3.65	325.5	296	0.25	0.20	80.0	304	1.40	5.04	360.0
	310	0.53	0.63	120.0	311	1.15	1.38	120.0	312	1.17	1.41	120.0
	313	0.53	0.64	120.0	314	1.16	1.39	120.0	315	1.21	1.46	120.0
	316	0.10	0.12	120.0	317	0.39	0.47	120.0	318	0.45	0.54	120.0
	319	0.59	0.70	120.0	320	0.50	0.60	120.0	321	0.04	0.02	40.0
	322	0.68	0.81	120.0	323	0.80	0.96	120.0	324	1.42	1.71	120.0
	325	0.68	0.82	120.0	326	0.87	1.04	120.0	327	1.48	1.77	120.0
	328	0.31	0.37	120.0	329	0.43	0.51	120.0	330	0.46	0.55	120.0
	331	0.59	0.71	120.0	332	0.54	0.65	120.0	333	0.25	0.20	80.0
	334	0.53	0.64	120.0	335	0.58	0.69	120.0	336	0.30	0.36	120.0
	337	0.30	0.36	120.0	338	0.36	0.43	120.0	348	0.77	3.38	440.0
	350	0.84	3.68	440.0	356	0.97	3.14	325.5	363	1.10	3.58	325.5
	364	1.69	5.50	325.5	369	1.61	5.23	325.5	375	0.24	0.19	80.0
	376	2.70	3.10	114.5	379	2.45	8.81	360.0	381	1.56	3.83	245.5
	382	1.31	4.71	360.0	383	0.92	3.31	360.0	384	0.68	2.46	360.0
	385	1.06	2.59	245.5	386	0.91	3.27	360.0	390	1.08	3.53	325.5
	392	2.00	2.29	114.5	393	1.94	6.99	360.0	396	0.20	0.16	80.0
	397	0.77	0.93	120.0	398	0.90	1.03	114.5	399	1.27	1.46	114.5
	403	1.22	1.40	114.5	407	1.44	5.18	360.0	408	1.49	5.35	360.0

	421	1.64	1.88	114.5	422	2.04	9.69	474.5	423	1.47	1.68	114.5
	424	1.85	8.80	474.5	425	2.06	7.42	360.0	429	1.73	6.22	360.0
	433	1.09	4.78	440.0	434	1.80	6.49	360.0	435	1.77	6.37	360.0
	436	1.35	5.93	440.0	437	2.07	7.44	360.0	438	1.74	6.27	360.0
	439	1.37	6.02	440.0	440	2.07	7.44	360.0	441	1.71	6.17	360.0
	442	0.26	0.21	80.0	443	1.80	6.46	360.0				
53	1	0.17	0.20	120.0	98	0.92	3.32	360.0	99	1.32	4.75	360.0
	100	1.50	5.40	360.0	101	0.09	0.07	80.0	102	0.62	0.75	120.0
	103	0.19	0.15	80.0	104	0.77	0.92	120.0	105	0.71	0.85	120.0
	106	0.58	2.55	440.0	107	1.04	3.74	360.0	108	1.18	4.24	360.0
	109	0.70	3.08	440.0	110	1.25	4.50	360.0	111	1.54	5.54	360.0
	112	1.05	4.64	440.0	113	1.41	5.09	360.0	114	1.30	4.69	360.0
	115	0.79	2.56	325.5	116	1.80	8.55	474.5	117	1.92	9.12	474.5
	118	1.30	4.23	325.5	119	4.45	10.92	245.5	120	1.57	5.65	360.0
	121	0.29	0.23	80.0	122	3.20	7.87	245.5	123	1.17	4.20	360.0
	124	0.23	0.18	80.0	125	1.33	4.80	360.0	126	1.61	5.80	360.0
	127	2.52	4.79	190.0	129	1.91	3.63	190.0	132	2.82	5.36	190.0
	134	1.79	6.46	360.0	135	2.11	4.01	190.0	137	2.75	5.22	190.0
	138	2.35	4.47	190.0	141	1.97	3.74	190.0	144	1.66	3.15	190.0
	145	1.13	4.95	440.0	146	1.64	5.92	360.0	147	1.42	5.11	360.0
	165	1.09	3.93	360.0	204	1.13	4.08	360.0	205	1.72	1.96	114.5
	207	2.41	5.91	245.5	212	2.48	8.94	360.0	215	0.72	2.36	325.5
	223	3.55	12.79	360.0	231	1.98	4.87	245.5	237	1.32	4.77	360.0
	244	0.06	0.05	80.0	245	0.30	0.36	120.0	246	0.37	0.44	120.0
	247	0.48	0.57	120.0	248	0.37	0.45	120.0	249	0.02	0.02	80.0
	254	1.55	5.58	360.0	267	0.88	3.87	440.0	275	0.47	1.52	325.5
	284	1.14	3.71	325.5	296	0.23	0.18	80.0	304	1.32	4.75	360.0
	310	0.50	0.60	120.0	311	1.07	1.29	120.0	312	1.06	1.27	120.0
	313	0.51	0.61	120.0	314	1.07	1.29	120.0	315	1.09	1.30	120.0
	316	0.09	0.11	120.0	317	0.34	0.41	120.0	318	0.38	0.46	120.0
	319	0.49	0.59	120.0	320	0.42	0.50	120.0	321	0.04	0.02	40.0
	322	0.64	0.77	120.0	323	0.73	0.88	120.0	324	1.30	1.56	120.0
	325	0.64	0.77	120.0	326	0.78	0.94	120.0	327	1.34	1.61	120.0
	328	0.24	0.28	120.0	329	0.36	0.44	120.0	330	0.39	0.46	120.0
	331	0.49	0.59	120.0	332	0.46	0.55	120.0	333	0.22	0.17	80.0
	334	0.49	0.59	120.0	335	0.53	0.63	120.0	336	0.26	0.31	120.0
	337	0.25	0.30	120.0	338	0.30	0.36	120.0	348	0.72	3.18	440.0
	350	0.80	3.54	440.0	356	0.96	3.14	325.5	363	1.16	3.76	325.5
	364	1.70	5.54	325.5	369	1.58	5.14	325.5	375	0.24	0.19	80.0
	376	2.59	2.97	114.5	379	2.31	8.30	360.0	381	1.51	3.71	245.5
	382	1.27	4.56	360.0	383	0.88	3.17	360.0	384	0.65	2.33	360.0
	385	1.04	2.56	245.5	386	0.86	3.08	360.0	390	1.05	3.42	325.5
	392	1.94	2.22	114.5	393	1.78	6.40	360.0	396	0.19	0.15	80.0
	397	0.71	0.86	120.0	398	0.58	0.66	114.5	399	1.30	1.48	114.5
	403	0.98	1.12	114.5	407	1.03	3.70	360.0	408	1.38	4.96	360.0
	421	1.38	1.58	114.5	422	2.17	10.30	474.5	423	1.19	1.37	114.5
	424	2.02	9.58	474.5	425	2.72	9.79	360.0	429	1.64	5.89	360.0
	433	1.05	4.61	440.0	434	1.71	6.17	360.0	435	1.66	5.99	360.0
	436	1.31	5.77	440.0	437	1.98	7.14	360.0	438	1.63	5.85	360.0
	439	1.33	5.87	440.0	440	1.98	7.14	360.0	441	1.59	5.74	360.0
	442	0.26	0.21	80.0	443	1.71	6.16	360.0				
54	1	0.07	0.08	120.0	98	0.67	2.42	360.0	99	0.33	1.18	360.0
	100	0.73	2.61	360.0	101	0.18	0.15	80.0	102	0.33	0.40	120.0
	103	0.07	0.05	80.0	104	0.28	0.33	120.0	105	0.26	0.31	120.0
	106	0.22	0.99	440.0	107	0.40	1.44	360.0	108	0.46	1.64	360.0
	109	0.31	1.39	440.0	110	0.54	1.93	360.0	111	0.68	2.47	360.0
	112	0.49	2.18	440.0	113	0.61	2.18	360.0	114	0.61	2.20	360.0
	115	0.77	2.50	325.5	116	0.96	4.56	474.5	117	1.12	5.33	474.5
	118	2.17	7.06	325.5	119	1.18	2.90	245.5	120	0.95	3.43	360.0
	121	0.44	0.36	80.0	122	0.84	2.07	245.5	123	0.59	2.13	360.0
	124	0.11	0.09	80.0	125	0.60	2.18	360.0	126	0.75	2.69	360.0
	127	1.21	2.31	190.0	129	0.90	1.71	190.0	132	1.45	2.76	190.0
	134	0.93	3.35	360.0	135	1.26	2.39	190.0	137	1.50	2.86	190.0
	138	1.23	2.33	190.0	141	1.04	1.98	190.0	144	0.77	1.46	190.0
	145	0.66	2.89	440.0	146	0.88	3.16	360.0	147	0.64	2.29	360.0
	165	0.38	1.35	360.0	204	0.51	1.85	360.0	205	3.27	3.75	114.5
	207	1.43	3.52	245.5	212	0.41	1.49	360.0	215	1.34	4.37	325.5
	223	0.49	1.75	360.0	231	1.10	2.71	245.5	237	0.54	1.94	360.0
	244	0.09	0.07	80.0	245	0.25	0.30	120.0	246	0.29	0.35	120.0
	247	0.20	0.24	120.0	248	0.16	0.19	120.0	249	8.81e-03	7.04e-03	80.0
	254	0.74	2.68	360.0	267	0.45	1.98	440.0	275	0.68	2.20	325.5
	284	2.14	6.96	325.5	296	0.12	0.09	80.0	304	0.67	2.39	360.0
	310	0.21	0.26	120.0	311	0.44	0.53	120.0	312	0.44	0.52	120.0
	313	0.18	0.22	120.0	314	0.38	0.46	120.0	315	0.38	0.46	120.0
	316	0.15	0.19	120.0	317	0.27	0.33	120.0	318	0.30	0.36	120.0

	319	0.21	0.25	120.0	320	0.18	0.22	120.0	321	0.02	7.04e-03	40.0
	322	0.27	0.33	120.0	323	0.36	0.43	120.0	324	0.54	0.65	120.0
	325	0.23	0.28	120.0	326	0.29	0.35	120.0	327	0.49	0.58	120.0
	328	0.17	0.20	120.0	329	0.29	0.35	120.0	330	0.31	0.37	120.0
	331	0.21	0.25	120.0	332	0.19	0.23	120.0	333	0.09	0.08	80.0
	334	0.26	0.31	120.0	335	0.20	0.24	120.0	336	0.21	0.25	120.0
	337	0.11	0.13	120.0	338	0.13	0.16	120.0	348	0.38	1.67	440.0
	350	0.44	1.94	440.0	356	0.98	3.18	325.5	363	1.03	3.34	325.5
	364	1.08	3.52	325.5	369	1.04	3.37	325.5	375	0.39	0.31	80.0
	376	1.67	1.92	114.5	379	1.47	5.30	360.0	381	0.84	2.05	245.5
	382	0.58	2.07	360.0	383	0.47	1.68	360.0	384	0.49	1.75	360.0
	385	1.68	4.11	245.5	386	0.41	1.48	360.0	390	0.78	2.54	325.5
	392	1.17	1.34	114.5	393	1.08	3.89	360.0	396	0.07	0.06	80.0
	397	0.33	0.39	120.0	398	0.17	0.19	114.5	399	2.20	2.52	114.5
	403	0.34	0.38	114.5	407	0.65	2.35	360.0	408	0.71	2.55	360.0
	421	0.69	0.79	114.5	422	0.92	4.35	474.5	423	0.56	0.65	114.5
	424	0.84	3.99	474.5	425	1.23	4.42	360.0	429	0.82	2.94	360.0
	433	0.53	2.31	440.0	434	0.82	2.95	360.0	435	0.80	2.88	360.0
	436	0.63	2.76	440.0	437	0.91	3.28	360.0	438	0.76	2.75	360.0
	439	0.62	2.73	440.0	440	0.90	3.23	360.0	441	0.75	2.71	360.0
	442	0.23	0.18	80.0	443	0.79	2.84	360.0				
55	1	0.08	0.09	120.0	98	0.77	2.79	360.0	99	0.45	1.63	360.0
	100	0.85	3.05	360.0	101	0.18	0.15	80.0	102	0.44	0.53	120.0
	103	0.09	0.07	80.0	104	0.38	0.46	120.0	105	0.39	0.47	120.0
	106	0.29	1.29	440.0	107	0.54	1.95	360.0	108	0.62	2.22	360.0
	109	0.38	1.67	440.0	110	0.71	2.56	360.0	111	0.82	2.96	360.0
	112	0.58	2.56	440.0	113	0.78	2.79	360.0	114	0.71	2.55	360.0
	115	0.50	1.62	325.5	116	0.94	4.47	474.5	117	1.19	5.63	474.5
	118	2.00	6.52	325.5	119	0.70	1.72	245.5	120	1.15	4.13	360.0
	121	0.45	0.36	80.0	122	0.70	1.72	245.5	123	0.70	2.52	360.0
	124	0.10	0.08	80.0	125	0.73	2.64	360.0	126	0.83	2.99	360.0
	127	1.37	2.60	190.0	129	1.04	1.98	190.0	132	1.59	3.01	190.0
	134	0.75	2.71	360.0	135	1.32	2.51	190.0	137	1.45	2.76	190.0
	138	1.19	2.26	190.0	141	1.09	2.07	190.0	144	0.69	1.32	190.0
	145	0.68	3.00	440.0	146	0.95	3.43	360.0	147	0.69	2.48	360.0
	165	0.92	3.30	360.0	204	0.49	1.75	360.0	205	3.08	3.53	114.5
	207	1.49	3.66	245.5	212	0.67	2.40	360.0	215	1.31	4.28	325.5
	223	1.08	3.90	360.0	231	1.16	2.85	245.5	237	0.59	2.14	360.0
	244	0.07	0.06	80.0	245	0.30	0.36	120.0	246	0.38	0.45	120.0
	247	0.31	0.37	120.0	248	0.24	0.28	120.0	249	8.33e-03	6.66e-03	80.0
	254	0.85	3.07	360.0	267	0.50	2.21	440.0	275	0.42	1.36	325.5
	284	1.98	6.46	325.5	296	0.14	0.11	80.0	304	0.74	2.68	360.0
	310	0.26	0.32	120.0	311	0.57	0.68	120.0	312	0.60	0.72	120.0
	313	0.23	0.28	120.0	314	0.52	0.62	120.0	315	0.55	0.66	120.0
	316	0.15	0.18	120.0	317	0.34	0.41	120.0	318	0.39	0.47	120.0
	319	0.32	0.39	120.0	320	0.27	0.33	120.0	321	0.02	6.66e-03	40.0
	322	0.34	0.41	120.0	323	0.46	0.56	120.0	324	0.70	0.84	120.0
	325	0.31	0.37	120.0	326	0.41	0.49	120.0	327	0.66	0.79	120.0
	328	0.19	0.23	120.0	329	0.37	0.44	120.0	330	0.40	0.48	120.0
	331	0.33	0.39	120.0	332	0.30	0.36	120.0	333	0.13	0.11	80.0
	334	0.32	0.38	120.0	335	0.27	0.33	120.0	336	0.26	0.32	120.0
	337	0.17	0.20	120.0	338	0.20	0.24	120.0	348	0.45	1.99	440.0
	350	0.45	1.98	440.0	356	0.98	3.19	325.5	363	0.99	3.23	325.5
	364	1.09	3.54	325.5	369	1.08	3.50	325.5	375	0.39	0.31	80.0
	376	1.78	2.04	114.5	379	1.54	5.54	360.0	381	0.89	2.18	245.5
	382	0.65	2.33	360.0	383	0.51	1.83	360.0	384	0.53	1.92	360.0
	385	1.60	3.94	245.5	386	0.45	1.62	360.0	390	0.79	2.57	325.5
	392	1.25	1.43	114.5	393	1.19	4.27	360.0	396	0.09	0.08	80.0
	397	0.42	0.50	120.0	398	0.52	0.59	114.5	399	2.11	2.41	114.5
	403	0.58	0.66	114.5	407	0.65	2.33	360.0	408	0.77	2.78	360.0
	421	0.91	1.04	114.5	422	1.03	4.89	474.5	423	0.79	0.91	114.5
	424	0.92	4.37	474.5	425	1.24	4.45	360.0	429	0.87	3.13	360.0
	433	0.54	2.38	440.0	434	0.88	3.16	360.0	435	0.89	3.19	360.0
	436	0.65	2.88	440.0	437	0.98	3.54	360.0	438	0.87	3.12	360.0
	439	0.66	2.92	440.0	440	0.99	3.55	360.0	441	0.86	3.09	360.0
	442	0.17	0.13	80.0	443	0.88	3.18	360.0				
56	1	0.18	0.22	120.0	98	0.97	3.48	360.0	99	1.44	5.19	360.0
	100	1.62	5.83	360.0	101	0.11	0.09	80.0	102	0.68	0.82	120.0
	103	0.19	0.15	80.0	104	0.81	0.97	120.0	105	0.79	0.95	120.0
	106	0.60	2.65	440.0	107	1.11	4.00	360.0	108	1.27	4.57	360.0
	109	0.72	3.19	440.0	110	1.36	4.90	360.0	111	1.61	5.80	360.0
	112	1.04	4.59	440.0	113	1.51	5.44	360.0	114	1.40	5.03	360.0
	115	0.57	1.85	325.5	116	1.76	8.34	474.5	117	1.77	8.40	474.5
	118	1.36	4.43	325.5	119	3.98	9.76	245.5	120	1.45	5.23	360.0
	121	0.27	0.22	80.0	122	3.17	7.78	245.5	123	1.25	4.52	360.0

	124	0.23	0.18	80.0	125	1.50	5.39	360.0	126	1.73	6.21	360.0
	127	2.74	5.20	190.0	129	2.00	3.80	190.0	132	2.85	5.41	190.0
	134	1.57	5.64	360.0	135	2.07	3.94	190.0	137	2.66	5.05	190.0
	138	2.46	4.67	190.0	141	2.12	4.03	190.0	144	1.69	3.20	190.0
	145	1.17	5.15	440.0	146	1.78	6.40	360.0	147	1.55	5.57	360.0
	165	1.54	5.53	360.0	204	1.23	4.42	360.0	205	1.96	2.24	114.5
	207	2.46	6.04	245.5	212	2.56	9.21	360.0	215	0.77	2.51	325.5
	223	3.38	12.18	360.0	231	2.05	5.03	245.5	237	1.44	5.20	360.0
	244	0.05	0.04	80.0	245	0.34	0.41	120.0	246	0.43	0.52	120.0
	247	0.55	0.67	120.0	248	0.43	0.51	120.0	249	0.02	0.01	80.0
	254	1.68	6.06	360.0	267	0.91	3.98	440.0	275	0.22	0.70	325.5
	284	1.26	4.09	325.5	296	0.25	0.20	80.0	304	1.39	5.01	360.0
	310	0.50	0.60	120.0	311	1.11	1.33	120.0	312	1.14	1.36	120.0
	313	0.51	0.61	120.0	314	1.12	1.34	120.0	315	1.18	1.41	120.0
	316	0.10	0.12	120.0	317	0.39	0.47	120.0	318	0.45	0.54	120.0
	319	0.57	0.69	120.0	320	0.49	0.58	120.0	321	0.04	0.01	40.0
	322	0.64	0.77	120.0	323	0.77	0.93	120.0	324	1.39	1.67	120.0
	325	0.65	0.78	120.0	326	0.84	1.01	120.0	327	1.44	1.73	120.0
	328	0.30	0.36	120.0	329	0.42	0.51	120.0	330	0.45	0.55	120.0
	331	0.58	0.70	120.0	332	0.53	0.64	120.0	333	0.24	0.20	80.0
	334	0.51	0.61	120.0	335	0.55	0.67	120.0	336	0.30	0.36	120.0
	337	0.29	0.35	120.0	338	0.35	0.42	120.0	348	0.91	4.02	440.0
	350	0.86	3.79	440.0	356	0.97	3.14	325.5	363	1.12	3.63	325.5
	364	1.69	5.50	325.5	369	1.59	5.18	325.5	375	0.24	0.19	80.0
	376	2.69	3.08	114.5	379	2.52	9.08	360.0	381	1.56	3.84	245.5
	382	1.28	4.60	360.0	383	0.91	3.28	360.0	384	0.66	2.37	360.0
	385	1.11	2.73	245.5	386	0.92	3.33	360.0	390	1.09	3.56	325.5
	392	2.00	2.29	114.5	393	1.97	7.10	360.0	396	0.19	0.15	80.0
	397	0.74	0.89	120.0	398	0.94	1.07	114.5	399	1.32	1.51	114.5
	403	1.26	1.45	114.5	407	1.53	5.51	360.0	408	1.53	5.50	360.0
	421	1.65	1.89	114.5	422	2.00	9.51	474.5	423	1.48	1.70	114.5
	424	1.82	8.63	474.5	425	1.94	6.99	360.0	429	1.77	6.39	360.0
	433	1.11	4.88	440.0	434	1.83	6.61	360.0	435	1.79	6.45	360.0
	436	1.36	5.96	440.0	437	2.08	7.48	360.0	438	1.75	6.31	360.0
	439	1.36	5.97	440.0	440	2.06	7.41	360.0	441	1.73	6.21	360.0
	442	0.30	0.24	80.0	443	1.78	6.40	360.0				
57	1	0.17	0.20	120.0	98	0.89	3.19	360.0	99	1.32	4.73	360.0
	100	1.49	5.38	360.0	101	0.10	0.08	80.0	102	0.60	0.72	120.0
	103	0.18	0.14	80.0	104	0.74	0.88	120.0	105	0.68	0.82	120.0
	106	0.56	2.45	440.0	107	1.01	3.62	360.0	108	1.14	4.11	360.0
	109	0.68	2.99	440.0	110	1.22	4.39	360.0	111	1.50	5.41	360.0
	112	1.01	4.42	440.0	113	1.38	4.97	360.0	114	1.30	4.67	360.0
	115	0.66	2.16	325.5	116	1.79	8.51	474.5	117	1.83	8.68	474.5
	118	1.42	4.62	325.5	119	3.85	9.45	245.5	120	1.42	5.10	360.0
	121	0.27	0.21	80.0	122	3.03	7.44	245.5	123	1.17	4.20	360.0
	124	0.23	0.19	80.0	125	1.36	4.88	360.0	126	1.63	5.88	360.0
	127	2.54	4.83	190.0	129	1.89	3.59	190.0	132	2.78	5.27	190.0
	134	1.75	6.31	360.0	135	2.06	3.92	190.0	137	2.73	5.19	190.0
	138	2.42	4.60	190.0	141	2.02	3.83	190.0	144	1.70	3.22	190.0
	145	1.14	5.01	440.0	146	1.67	6.02	360.0	147	1.46	5.26	360.0
	165	1.06	3.81	360.0	204	1.18	4.24	360.0	205	1.90	2.18	114.5
	207	2.41	5.92	245.5	212	2.40	8.64	360.0	215	0.76	2.46	325.5
	223	3.20	11.51	360.0	231	2.00	4.91	245.5	237	1.36	4.89	360.0
	244	0.06	0.05	80.0	245	0.29	0.35	120.0	246	0.36	0.43	120.0
	247	0.47	0.56	120.0	248	0.36	0.44	120.0	249	0.02	0.02	80.0
	254	1.56	5.61	360.0	267	0.86	3.81	440.0	275	0.21	0.69	325.5
	284	1.27	4.15	325.5	296	0.22	0.18	80.0	304	1.31	4.72	360.0
	310	0.48	0.57	120.0	311	1.03	1.23	120.0	312	1.02	1.22	120.0
	313	0.48	0.58	120.0	314	1.03	1.23	120.0	315	1.05	1.26	120.0
	316	0.10	0.12	120.0	317	0.33	0.40	120.0	318	0.37	0.45	120.0
	319	0.48	0.57	120.0	320	0.41	0.49	120.0	321	0.04	0.02	40.0
	322	0.61	0.73	120.0	323	0.70	0.84	120.0	324	1.27	1.52	120.0
	325	0.61	0.73	120.0	326	0.75	0.91	120.0	327	1.31	1.57	120.0
	328	0.22	0.27	120.0	329	0.36	0.43	120.0	330	0.38	0.45	120.0
	331	0.48	0.58	120.0	332	0.44	0.53	120.0	333	0.21	0.17	80.0
	334	0.47	0.57	120.0	335	0.51	0.61	120.0	336	0.25	0.30	120.0
	337	0.24	0.29	120.0	338	0.29	0.35	120.0	348	0.87	3.81	440.0
	350	0.83	3.65	440.0	356	0.96	3.14	325.5	363	1.17	3.82	325.5
	364	1.70	5.54	325.5	369	1.57	5.10	325.5	375	0.24	0.19	80.0
	376	2.57	2.94	114.5	379	2.34	8.41	360.0	381	1.51	3.71	245.5
	382	1.23	4.45	360.0	383	0.87	3.14	360.0	384	0.62	2.23	360.0
	385	1.10	2.70	245.5	386	0.87	3.14	360.0	390	1.04	3.38	325.5
	392	1.94	2.22	114.5	393	1.82	6.57	360.0	396	0.18	0.14	80.0
	397	0.69	0.82	120.0	398	0.63	0.72	114.5	399	1.34	1.54	114.5
	403	1.03	1.18	114.5	407	1.05	3.79	360.0	408	1.42	5.11	360.0

	421	1.39	1.59	114.5	422	2.13	10.12	474.5	423	1.20	1.38	114.5
	424	1.98	9.41	474.5	425	2.58	9.28	360.0	429	1.68	6.06	360.0
	433	1.07	4.71	440.0	434	1.75	6.29	360.0	435	1.68	6.06	360.0
	436	1.32	5.81	440.0	437	2.00	7.18	360.0	438	1.64	5.89	360.0
	439	1.32	5.82	440.0	440	1.97	7.11	360.0	441	1.61	5.78	360.0
	442	0.30	0.24	80.0	443	1.69	6.10	360.0				
58	1	0.07	0.08	120.0	98	0.69	2.50	360.0	99	0.36	1.31	360.0
	100	0.72	2.60	360.0	101	0.18	0.14	80.0	102	0.34	0.41	120.0
	103	0.08	0.06	80.0	104	0.31	0.37	120.0	105	0.28	0.34	120.0
	106	0.25	1.09	440.0	107	0.43	1.56	360.0	108	0.49	1.75	360.0
	109	0.33	1.47	440.0	110	0.57	2.04	360.0	111	0.72	2.58	360.0
	112	0.54	2.39	440.0	113	0.64	2.30	360.0	114	0.62	2.24	360.0
	115	0.56	1.83	325.5	116	0.99	4.72	474.5	117	1.26	5.96	474.5
	118	2.04	6.63	325.5	119	0.73	1.80	245.5	120	1.15	4.12	360.0
	121	0.45	0.36	80.0	122	0.74	1.82	245.5	123	0.64	2.29	360.0
	124	0.11	0.09	80.0	125	0.59	2.12	360.0	126	0.73	2.64	360.0
	127	1.18	2.24	190.0	129	0.91	1.74	190.0	132	1.50	2.86	190.0
	134	0.97	3.49	360.0	135	1.32	2.51	190.0	137	1.52	2.90	190.0
	138	1.16	2.21	190.0	141	0.99	1.89	190.0	144	0.73	1.38	190.0
	145	0.65	2.86	440.0	146	0.86	3.09	360.0	147	0.60	2.15	360.0
	165	0.41	1.47	360.0	204	0.47	1.70	360.0	205	3.08	3.53	114.5
	207	1.43	3.52	245.5	212	0.46	1.65	360.0	215	1.30	4.24	325.5
	223	0.79	2.85	360.0	231	1.10	2.69	245.5	237	0.51	1.82	360.0
	244	0.08	0.07	80.0	245	0.24	0.29	120.0	246	0.29	0.35	120.0
	247	0.21	0.26	120.0	248	0.17	0.20	120.0	249	9.28e-03	7.42e-03	80.0
	254	0.73	2.64	360.0	267	0.46	2.03	440.0	275	0.42	1.38	325.5
	284	2.00	6.52	325.5	296	0.12	0.09	80.0	304	0.67	2.40	360.0
	310	0.24	0.28	120.0	311	0.47	0.57	120.0	312	0.47	0.56	120.0
	313	0.21	0.25	120.0	314	0.42	0.51	120.0	315	0.42	0.50	120.0
	316	0.15	0.18	120.0	317	0.27	0.32	120.0	318	0.30	0.36	120.0
	319	0.22	0.26	120.0	320	0.19	0.23	120.0	321	0.02	7.42e-03	40.0
	322	0.30	0.36	120.0	323	0.38	0.45	120.0	324	0.56	0.68	120.0
	325	0.26	0.31	120.0	326	0.32	0.38	120.0	327	0.52	0.63	120.0
	328	0.16	0.19	120.0	329	0.29	0.34	120.0	330	0.30	0.36	120.0
	331	0.22	0.26	120.0	332	0.20	0.25	120.0	333	0.10	0.08	80.0
	334	0.27	0.33	120.0	335	0.22	0.27	120.0	336	0.21	0.25	120.0
	337	0.12	0.14	120.0	338	0.14	0.16	120.0	348	0.46	2.00	440.0
	350	0.42	1.84	440.0	356	0.98	3.18	325.5	363	1.02	3.31	325.5
	364	1.09	3.53	325.5	369	1.05	3.41	325.5	375	0.39	0.31	80.0
	376	1.69	1.94	114.5	379	1.55	5.57	360.0	381	0.84	2.07	245.5
	382	0.60	2.17	360.0	383	0.47	1.69	360.0	384	0.50	1.79	360.0
	385	1.62	3.97	245.5	386	0.40	1.43	360.0	390	0.87	2.84	325.5
	392	1.18	1.36	114.5	393	1.09	3.91	360.0	396	0.08	0.06	80.0
	397	0.35	0.42	120.0	398	0.23	0.26	114.5	399	2.14	2.46	114.5
	403	0.29	0.33	114.5	407	0.69	2.48	360.0	408	0.67	2.42	360.0
	421	0.69	0.79	114.5	422	0.61	2.91	474.5	423	0.56	0.65	114.5
	424	0.48	2.29	474.5	425	0.78	2.80	360.0	429	0.77	2.78	360.0
	433	0.50	2.22	440.0	434	0.79	2.84	360.0	435	0.78	2.79	360.0
	436	0.62	2.72	440.0	437	0.90	3.24	360.0	438	0.75	2.70	360.0
	439	0.63	2.77	440.0	440	0.90	3.25	360.0	441	0.74	2.66	360.0
	442	0.17	0.13	80.0	443	0.80	2.88	360.0				
59	1	0.08	0.10	120.0	98	0.67	2.42	360.0	99	0.48	1.72	360.0
	100	0.74	2.68	360.0	101	0.11	0.09	80.0	102	0.43	0.52	120.0
	103	0.09	0.07	80.0	104	0.40	0.48	120.0	105	0.41	0.49	120.0
	106	0.34	1.48	440.0	107	0.61	2.21	360.0	108	0.67	2.39	360.0
	109	0.44	1.95	440.0	110	0.82	2.97	360.0	111	0.93	3.34	360.0
	112	0.51	2.23	440.0	113	0.83	2.98	360.0	114	0.86	3.11	360.0
	115	0.76	2.46	325.5	116	1.18	5.60	474.5	117	1.20	5.70	474.5
	118	1.91	6.21	325.5	119	1.33	3.27	245.5	120	0.88	3.18	360.0
	121	0.41	0.33	80.0	122	0.94	2.31	245.5	123	0.79	2.86	360.0
	124	0.13	0.10	80.0	125	0.86	3.09	360.0	126	0.95	3.41	360.0
	127	1.41	2.67	190.0	129	1.05	1.99	190.0	132	1.57	2.99	190.0
	134	0.77	2.78	360.0	135	1.27	2.42	190.0	137	1.45	2.75	190.0
	138	1.23	2.33	190.0	141	1.08	2.05	190.0	144	0.80	1.52	190.0
	145	0.49	2.18	440.0	146	0.80	2.89	360.0	147	0.74	2.66	360.0
	165	1.20	4.32	360.0	204	0.63	2.27	360.0	205	2.93	3.36	114.5
	207	1.21	2.96	245.5	212	0.83	2.97	360.0	215	1.26	4.11	325.5
	223	1.11	4.01	360.0	231	1.12	2.76	245.5	237	0.79	2.85	360.0
	244	0.07	0.05	80.0	245	0.28	0.34	120.0	246	0.36	0.43	120.0
	247	0.32	0.39	120.0	248	0.25	0.30	120.0	249	9.13e-03	7.30e-03	80.0
	254	0.74	2.65	360.0	267	0.78	3.44	440.0	275	0.67	2.17	325.5
	284	1.87	6.10	325.5	296	0.11	0.09	80.0	304	0.62	2.24	360.0
	310	0.26	0.31	120.0	311	0.57	0.69	120.0	312	0.61	0.73	120.0
	313	0.24	0.29	120.0	314	0.54	0.65	120.0	315	0.58	0.70	120.0
	316	0.15	0.17	120.0	317	0.32	0.38	120.0	318	0.37	0.45	120.0

	319	0.33	0.40	120.0	320	0.28	0.34	120.0	321	0.02	7.30e-03	40.0
	322	0.33	0.40	120.0	323	0.46	0.55	120.0	324	0.72	0.87	120.0
	325	0.31	0.38	120.0	326	0.43	0.51	120.0	327	0.70	0.84	120.0
	328	0.17	0.21	120.0	329	0.35	0.42	120.0	330	0.38	0.46	120.0
	331	0.34	0.41	120.0	332	0.31	0.37	120.0	333	0.14	0.12	80.0
	334	0.31	0.37	120.0	335	0.28	0.34	120.0	336	0.24	0.29	120.0
	337	0.17	0.21	120.0	338	0.21	0.25	120.0	348	0.29	1.29	440.0
	350	0.38	1.68	440.0	356	0.66	2.15	325.5	363	0.69	2.26	325.5
	364	0.74	2.41	325.5	369	0.71	2.30	325.5	375	0.35	0.28	80.0
	376	1.27	1.45	114.5	379	1.18	4.24	360.0	381	0.73	1.80	245.5
	382	0.56	2.03	360.0	383	0.40	1.46	360.0	384	0.47	1.69	360.0
	385	1.55	3.80	245.5	386	0.54	1.95	360.0	390	0.62	2.00	325.5
	392	1.07	1.23	114.5	393	1.05	3.77	360.0	396	0.09	0.07	80.0
	397	0.41	0.50	120.0	398	0.58	0.67	114.5	399	2.03	2.33	114.5
	403	0.70	0.80	114.5	407	0.92	3.32	360.0	408	0.68	2.44	360.0
	421	1.00	1.15	114.5	422	1.29	6.11	474.5	423	0.91	1.05	114.5
	424	1.19	5.66	474.5	425	1.04	3.74	360.0	429	0.78	2.82	360.0
	433	0.47	2.09	440.0	434	0.78	2.80	360.0	435	0.77	2.77	360.0
	436	0.60	2.65	440.0	437	0.88	3.17	360.0	438	0.73	2.64	360.0
	439	0.61	2.70	440.0	440	0.89	3.19	360.0	441	0.73	2.62	360.0
	442	0.19	0.15	80.0	443	0.78	2.80	360.0				
60	1	0.18	0.22	120.0	98	1.00	3.59	360.0	99	1.43	5.14	360.0
	100	1.55	5.57	360.0	101	0.17	0.14	80.0	102	0.73	0.88	120.0
	103	0.21	0.17	80.0	104	0.89	1.06	120.0	105	0.86	1.03	120.0
	106	0.69	3.02	440.0	107	1.24	4.48	360.0	108	1.38	4.98	360.0
	109	0.82	3.63	440.0	110	1.53	5.50	360.0	111	1.78	6.42	360.0
	112	1.04	4.60	440.0	113	1.61	5.78	360.0	114	1.57	5.67	360.0
	115	0.78	2.55	325.5	116	2.04	9.67	474.5	117	2.03	9.63	474.5
	118	1.07	3.50	325.5	119	4.45	10.94	245.5	120	1.53	5.52	360.0
	121	0.29	0.23	80.0	122	3.35	8.24	245.5	123	1.40	5.03	360.0
	124	0.24	0.19	80.0	125	1.58	5.68	360.0	126	1.80	6.49	360.0
	127	2.73	5.19	190.0	129	2.08	3.95	190.0	132	2.95	5.60	190.0
	134	1.68	6.04	360.0	135	2.12	4.03	190.0	137	2.69	5.10	190.0
	138	2.37	4.50	190.0	141	2.02	3.83	190.0	144	1.77	3.36	190.0
	145	0.97	4.28	440.0	146	1.59	5.71	360.0	147	1.52	5.46	360.0
	165	1.85	6.66	360.0	204	1.32	4.74	360.0	205	1.49	1.71	114.5
	207	2.19	5.37	245.5	212	2.64	9.52	360.0	215	0.73	2.37	325.5
	223	3.65	13.12	360.0	231	2.00	4.90	245.5	237	1.56	5.62	360.0
	244	0.04	0.03	80.0	245	0.35	0.41	120.0	246	0.44	0.52	120.0
	247	0.59	0.71	120.0	248	0.46	0.55	120.0	249	0.02	0.02	80.0
	254	1.56	5.63	360.0	267	1.19	5.26	440.0	275	0.47	1.54	325.5
	284	0.87	2.84	325.5	296	0.23	0.18	80.0	304	1.30	4.70	360.0
	310	0.56	0.67	120.0	311	1.21	1.46	120.0	312	1.23	1.48	120.0
	313	0.57	0.68	120.0	314	1.23	1.47	120.0	315	1.28	1.53	120.0
	316	0.09	0.11	120.0	317	0.39	0.47	120.0	318	0.45	0.54	120.0
	319	0.61	0.73	120.0	320	0.52	0.62	120.0	321	0.04	0.02	40.0
	322	0.71	0.85	120.0	323	0.83	1.00	120.0	324	1.49	1.79	120.0
	325	0.72	0.86	120.0	326	0.92	1.10	120.0	327	1.55	1.86	120.0
	328	0.31	0.37	120.0	329	0.43	0.51	120.0	330	0.46	0.55	120.0
	331	0.62	0.74	120.0	332	0.57	0.68	120.0	333	0.26	0.21	80.0
	334	0.55	0.66	120.0	335	0.61	0.73	120.0	336	0.30	0.36	120.0
	337	0.31	0.37	120.0	338	0.37	0.45	120.0	348	0.73	3.22	440.0
	350	0.76	3.32	440.0	356	0.65	2.11	325.5	363	0.84	2.74	325.5
	364	1.36	4.43	325.5	369	1.25	4.07	325.5	375	0.20	0.16	80.0
	376	2.20	2.52	114.5	379	2.13	7.68	360.0	381	1.42	3.49	245.5
	382	1.27	4.58	360.0	383	0.84	3.02	360.0	384	0.66	2.36	360.0
	385	1.01	2.48	245.5	386	0.98	3.54	360.0	390	0.96	3.14	325.5
	392	1.84	2.11	114.5	393	1.89	6.79	360.0	396	0.21	0.17	80.0
	397	0.81	0.97	120.0	398	1.01	1.15	114.5	399	1.21	1.38	114.5
	403	1.32	1.51	114.5	407	1.37	4.95	360.0	408	1.37	4.92	360.0
	421	1.72	1.97	114.5	422	2.22	10.51	474.5	423	1.57	1.80	114.5
	424	2.04	9.70	474.5	425	1.99	7.16	360.0	429	1.61	5.81	360.0
	433	1.01	4.44	440.0	434	1.69	6.08	360.0	435	1.65	5.93	360.0
	436	1.30	5.71	440.0	437	1.97	7.10	360.0	438	1.61	5.81	360.0
	439	1.34	5.91	440.0	440	1.99	7.18	360.0	441	1.59	5.71	360.0
	442	0.25	0.20	80.0	443	1.73	6.23	360.0				
61	1	0.17	0.20	120.0	98	0.92	3.32	360.0	99	1.30	4.69	360.0
	100	1.42	5.11	360.0	101	0.17	0.14	80.0	102	0.65	0.78	120.0
	103	0.20	0.16	80.0	104	0.82	0.98	120.0	105	0.75	0.90	120.0
	106	0.64	2.82	440.0	107	1.14	4.09	360.0	108	1.26	4.52	360.0
	109	0.78	3.43	440.0	110	1.39	4.99	360.0	111	1.67	6.02	360.0
	112	1.00	4.42	440.0	113	1.47	5.29	360.0	114	1.47	5.31	360.0
	115	0.86	2.81	325.5	116	2.08	9.85	474.5	117	2.09	9.91	474.5
	118	1.15	3.73	325.5	119	4.33	10.62	245.5	120	1.49	5.36	360.0
	121	0.27	0.22	80.0	122	3.22	7.90	245.5	123	1.31	4.72	360.0

	124	0.25	0.20	80.0	125	1.43	5.17	360.0	126	1.71	6.14	360.0
	127	2.54	4.83	190.0	129	1.97	3.75	190.0	132	2.87	5.46	190.0
	134	1.86	6.68	360.0	135	2.11	4.01	190.0	137	2.76	5.25	190.0
	138	2.33	4.42	190.0	141	1.91	3.63	190.0	144	1.76	3.34	190.0
	145	0.94	4.14	440.0	146	1.48	5.32	360.0	147	1.43	5.14	360.0
	165	1.34	4.84	360.0	204	1.24	4.45	360.0	205	1.38	1.58	114.5
	207	2.14	5.26	245.5	212	2.47	8.91	360.0	215	0.66	2.14	325.5
	223	3.43	12.34	360.0	231	1.95	4.78	245.5	237	1.47	5.29	360.0
	244	0.05	0.04	80.0	245	0.30	0.36	120.0	246	0.37	0.45	120.0
	247	0.50	0.60	120.0	248	0.39	0.47	120.0	249	0.02	0.02	80.0
	254	1.44	5.19	360.0	267	1.15	5.08	440.0	275	0.47	1.53	325.5
	284	0.89	2.90	325.5	296	0.20	0.16	80.0	304	1.22	4.40	360.0
	310	0.53	0.64	120.0	311	1.14	1.36	120.0	312	1.12	1.34	120.0
	313	0.54	0.65	120.0	314	1.14	1.37	120.0	315	1.15	1.38	120.0
	316	0.08	0.10	120.0	317	0.34	0.41	120.0	318	0.39	0.47	120.0
	319	0.52	0.62	120.0	320	0.44	0.53	120.0	321	0.04	0.02	40.0
	322	0.67	0.81	120.0	323	0.77	0.92	120.0	324	1.37	1.64	120.0
	325	0.68	0.82	120.0	326	0.83	1.00	120.0	327	1.42	1.70	120.0
	328	0.23	0.28	120.0	329	0.37	0.44	120.0	330	0.39	0.47	120.0
	331	0.52	0.62	120.0	332	0.48	0.58	120.0	333	0.23	0.18	80.0
	334	0.51	0.62	120.0	335	0.56	0.67	120.0	336	0.26	0.31	120.0
	337	0.26	0.31	120.0	338	0.31	0.38	120.0	348	0.68	3.01	440.0
	350	0.72	3.18	440.0	356	0.64	2.10	325.5	363	0.92	2.98	325.5
	364	1.38	4.50	325.5	369	1.22	3.98	325.5	375	0.20	0.16	80.0
	376	2.08	2.38	114.5	379	1.96	7.05	360.0	381	1.37	3.36	245.5
	382	1.23	4.43	360.0	383	0.80	2.88	360.0	384	0.62	2.22	360.0
	385	0.99	2.43	245.5	386	0.93	3.35	360.0	390	0.93	3.04	325.5
	392	1.78	2.04	114.5	393	1.69	6.10	360.0	396	0.20	0.16	80.0
	397	0.75	0.90	120.0	398	0.69	0.80	114.5	399	1.22	1.40	114.5
	403	1.08	1.23	114.5	407	0.86	3.08	360.0	408	1.26	4.53	360.0
	421	1.47	1.69	114.5	422	2.33	11.08	474.5	423	1.31	1.50	114.5
	424	2.19	10.38	474.5	425	2.68	9.65	360.0	429	1.52	5.49	360.0
	433	0.97	4.27	440.0	434	1.60	5.76	360.0	435	1.54	5.55	360.0
	436	1.26	5.55	440.0	437	1.89	6.81	360.0	438	1.50	5.40	360.0
	439	1.31	5.76	440.0	440	1.91	6.89	360.0	441	1.47	5.28	360.0
	442	0.25	0.20	80.0	443	1.65	5.93	360.0				
62	1	0.07	0.08	120.0	98	0.59	2.13	360.0	99	0.41	1.46	360.0
	100	0.62	2.22	360.0	101	0.11	0.09	80.0	102	0.33	0.40	120.0
	103	0.08	0.06	80.0	104	0.33	0.39	120.0	105	0.30	0.36	120.0
	106	0.29	1.27	440.0	107	0.50	1.81	360.0	108	0.54	1.93	360.0
	109	0.40	1.75	440.0	110	0.68	2.44	360.0	111	0.82	2.97	360.0
	112	0.46	2.04	440.0	113	0.68	2.46	360.0	114	0.77	2.77	360.0
	115	0.81	2.64	325.5	116	1.22	5.81	474.5	117	1.26	5.98	474.5
	118	1.94	6.33	325.5	119	1.42	3.48	245.5	120	0.84	3.02	360.0
	121	0.41	0.33	80.0	122	1.00	2.46	245.5	123	0.71	2.56	360.0
	124	0.13	0.11	80.0	125	0.71	2.57	360.0	126	0.85	3.06	360.0
	127	1.22	2.31	190.0	129	0.92	1.75	190.0	132	1.49	2.84	190.0
	134	0.98	3.54	360.0	135	1.26	2.40	190.0	137	1.52	2.88	190.0
	138	1.20	2.27	190.0	141	0.98	1.87	190.0	144	0.79	1.50	190.0
	145	0.46	2.03	440.0	146	0.70	2.51	360.0	147	0.65	2.33	360.0
	165	0.65	2.33	360.0	204	0.55	1.97	360.0	205	2.93	3.35	114.5
	207	1.16	2.84	245.5	212	0.58	2.08	360.0	215	1.25	4.05	325.5
	223	0.71	2.55	360.0	231	1.06	2.61	245.5	237	0.70	2.51	360.0
	244	0.08	0.06	80.0	245	0.23	0.27	120.0	246	0.27	0.33	120.0
	247	0.23	0.27	120.0	248	0.18	0.22	120.0	249	0.01	8.08e-03	80.0
	254	0.61	2.21	360.0	267	0.74	3.27	440.0	275	0.67	2.19	325.5
	284	1.89	6.16	325.5	296	0.09	0.07	80.0	304	0.54	1.95	360.0
	310	0.23	0.28	120.0	311	0.48	0.58	120.0	312	0.47	0.57	120.0
	313	0.21	0.25	120.0	314	0.45	0.54	120.0	315	0.45	0.54	120.0
	316	0.14	0.17	120.0	317	0.25	0.30	120.0	318	0.28	0.34	120.0
	319	0.23	0.28	120.0	320	0.20	0.24	120.0	321	0.02	8.08e-03	40.0
	322	0.29	0.35	120.0	323	0.37	0.44	120.0	324	0.58	0.70	120.0
	325	0.27	0.32	120.0	326	0.34	0.40	120.0	327	0.56	0.67	120.0
	328	0.15	0.18	120.0	329	0.27	0.32	120.0	330	0.28	0.34	120.0
	331	0.23	0.28	120.0	332	0.22	0.26	120.0	333	0.11	0.09	80.0
	334	0.26	0.31	120.0	335	0.23	0.28	120.0	336	0.19	0.23	120.0
	337	0.12	0.15	120.0	338	0.15	0.17	120.0	348	0.26	1.14	440.0
	350	0.35	1.54	440.0	356	0.66	2.14	325.5	363	0.74	2.39	325.5
	364	0.75	2.46	325.5	369	0.68	2.22	325.5	375	0.35	0.28	80.0
	376	1.16	1.32	114.5	379	1.09	3.92	360.0	381	0.68	1.68	245.5
	382	0.52	1.88	360.0	383	0.37	1.31	360.0	384	0.43	1.55	360.0
	385	1.56	3.82	245.5	386	0.49	1.76	360.0	390	0.68	2.23	325.5
	392	1.01	1.16	114.5	393	1.00	3.61	360.0	396	0.08	0.06	80.0
	397	0.34	0.41	120.0	398	0.25	0.28	114.5	399	2.07	2.37	114.5
	403	0.43	0.49	114.5	407	0.43	1.56	360.0	408	0.57	2.05	360.0

	421	0.79	0.90	114.5	422	1.24	5.88	474.5	423	0.70	0.80	114.5
	424	1.16	5.49	474.5	425	1.54	5.54	360.0	429	0.69	2.49	360.0
	433	0.44	1.92	440.0	434	0.69	2.48	360.0	435	0.66	2.38	360.0
	436	0.57	2.49	440.0	437	0.80	2.88	360.0	438	0.62	2.22	360.0
	439	0.58	2.55	440.0	440	0.80	2.89	360.0	441	0.61	2.18	360.0
	442	0.19	0.15	80.0	443	0.69	2.50	360.0				
63	1	0.08	0.10	120.0	98	0.70	2.52	360.0	99	0.51	1.85	360.0
	100	0.75	2.70	360.0	101	0.11	0.09	80.0	102	0.44	0.53	120.0
	103	0.10	0.08	80.0	104	0.43	0.52	120.0	105	0.44	0.52	120.0
	106	0.36	1.57	440.0	107	0.64	2.32	360.0	108	0.70	2.51	360.0
	109	0.46	2.03	440.0	110	0.85	3.07	360.0	111	0.96	3.46	360.0
	112	0.55	2.40	440.0	113	0.86	3.08	360.0	114	0.87	3.14	360.0
	115	0.55	1.79	325.5	116	1.20	5.69	474.5	117	1.28	6.10	474.5
	118	1.78	5.78	325.5	119	0.92	2.27	245.5	120	1.01	3.65	360.0
	121	0.43	0.34	80.0	122	0.87	2.13	245.5	123	0.81	2.91	360.0
	124	0.12	0.10	80.0	125	0.85	3.05	360.0	126	0.94	3.38	360.0
	127	1.38	2.62	190.0	129	1.07	2.02	190.0	132	1.62	3.08	190.0
	134	0.82	2.94	360.0	135	1.32	2.51	190.0	137	1.47	2.79	190.0
	138	1.16	2.21	190.0	141	1.03	1.96	190.0	144	0.77	1.46	190.0
	145	0.48	2.12	440.0	146	0.77	2.79	360.0	147	0.70	2.52	360.0
	165	1.22	4.39	360.0	204	0.59	2.14	360.0	205	2.75	3.15	114.5
	207	1.20	2.96	245.5	212	0.81	2.92	360.0	215	1.25	4.05	325.5
	223	1.23	4.44	360.0	231	1.12	2.74	245.5	237	0.77	2.77	360.0
	244	0.07	0.05	80.0	245	0.28	0.34	120.0	246	0.36	0.43	120.0
	247	0.33	0.40	120.0	248	0.26	0.31	120.0	249	9.60e-03	7.68e-03	80.0
	254	0.73	2.62	360.0	267	0.79	3.48	440.0	275	0.41	1.35	325.5
	284	1.74	5.66	325.5	296	0.12	0.09	80.0	304	0.63	2.27	360.0
	310	0.28	0.34	120.0	311	0.61	0.73	120.0	312	0.64	0.77	120.0
	313	0.27	0.32	120.0	314	0.58	0.70	120.0	315	0.62	0.74	120.0
	316	0.14	0.17	120.0	317	0.32	0.38	120.0	318	0.37	0.44	120.0
	319	0.35	0.41	120.0	320	0.29	0.35	120.0	321	0.02	7.68e-03	40.0
	322	0.36	0.43	120.0	323	0.47	0.57	120.0	324	0.75	0.90	120.0
	325	0.34	0.41	120.0	326	0.46	0.55	120.0	327	0.73	0.88	120.0
	328	0.17	0.21	120.0	329	0.35	0.42	120.0	330	0.38	0.46	120.0
	331	0.35	0.42	120.0	332	0.32	0.38	120.0	333	0.15	0.12	80.0
	334	0.32	0.38	120.0	335	0.30	0.37	120.0	336	0.25	0.29	120.0
	337	0.18	0.21	120.0	338	0.22	0.26	120.0	348	0.30	1.33	440.0
	350	0.36	1.57	440.0	356	0.66	2.15	325.5	363	0.69	2.23	325.5
	364	0.74	2.42	325.5	369	0.72	2.35	325.5	375	0.35	0.28	80.0
	376	1.28	1.47	114.5	379	1.17	4.20	360.0	381	0.74	1.81	245.5
	382	0.60	2.14	360.0	383	0.41	1.49	360.0	384	0.48	1.74	360.0
	385	1.49	3.66	245.5	386	0.53	1.92	360.0	390	0.69	2.24	325.5
	392	1.08	1.24	114.5	393	1.10	3.97	360.0	396	0.10	0.08	80.0
	397	0.43	0.52	120.0	398	0.58	0.66	114.5	399	1.98	2.27	114.5
	403	0.67	0.77	114.5	407	0.58	2.08	360.0	408	0.64	2.29	360.0
	421	0.99	1.14	114.5	422	1.32	6.28	474.5	423	0.90	1.03	114.5
	424	1.23	5.82	474.5	425	1.17	4.22	360.0	429	0.74	2.66	360.0
	433	0.45	1.99	440.0	434	0.75	2.68	360.0	435	0.75	2.69	360.0
	436	0.59	2.61	440.0	437	0.87	3.13	360.0	438	0.72	2.60	360.0
	439	0.63	2.76	440.0	440	0.90	3.22	360.0	441	0.71	2.57	360.0
	442	0.14	0.11	80.0	443	0.80	2.87	360.0				
64	1	0.18	0.22	120.0	98	0.96	3.46	360.0	99	1.42	5.11	360.0
	100	1.54	5.53	360.0	101	0.16	0.13	80.0	102	0.71	0.85	120.0
	103	0.20	0.16	80.0	104	0.85	1.03	120.0	105	0.83	1.00	120.0
	106	0.66	2.92	440.0	107	1.21	4.36	360.0	108	1.35	4.86	360.0
	109	0.80	3.54	440.0	110	1.50	5.39	360.0	111	1.75	6.29	360.0
	112	1.00	4.40	440.0	113	1.57	5.66	360.0	114	1.57	5.66	360.0
	115	0.66	2.14	325.5	116	2.04	9.66	474.5	117	1.97	9.36	474.5
	118	1.18	3.85	325.5	119	3.86	9.48	245.5	120	1.43	5.15	360.0
	121	0.25	0.20	80.0	122	3.18	7.81	245.5	123	1.41	5.08	360.0
	124	0.24	0.20	80.0	125	1.60	5.75	360.0	126	1.82	6.55	360.0
	127	2.75	5.23	190.0	129	2.06	3.91	190.0	132	2.90	5.51	190.0
	134	1.63	5.88	360.0	135	2.08	3.95	190.0	137	2.68	5.08	190.0
	138	2.43	4.62	190.0	141	2.06	3.91	190.0	144	1.81	3.43	190.0
	145	0.99	4.35	440.0	146	1.62	5.82	360.0	147	1.56	5.61	360.0
	165	1.82	6.57	360.0	204	1.36	4.88	360.0	205	1.66	1.90	114.5
	207	2.20	5.39	245.5	212	2.58	9.29	360.0	215	0.72	2.35	325.5
	223	3.32	11.94	360.0	231	2.01	4.94	245.5	237	1.59	5.72	360.0
	244	0.04	0.03	80.0	245	0.34	0.41	120.0	246	0.43	0.51	120.0
	247	0.58	0.70	120.0	248	0.45	0.54	120.0	249	0.02	0.02	80.0
	254	1.57	5.66	360.0	267	1.18	5.20	440.0	275	0.22	0.72	325.5
	284	1.01	3.29	325.5	296	0.23	0.18	80.0	304	1.29	4.65	360.0
	310	0.53	0.63	120.0	311	1.17	1.40	120.0	312	1.19	1.43	120.0
	313	0.54	0.65	120.0	314	1.18	1.42	120.0	315	1.24	1.49	120.0
	316	0.09	0.11	120.0	317	0.38	0.46	120.0	318	0.45	0.53	120.0

	319	0.60	0.72	120.0	320	0.51	0.61	120.0	321	0.04	0.02	40.0
	322	0.68	0.81	120.0	323	0.81	0.97	120.0	324	1.46	1.75	120.0
	325	0.69	0.83	120.0	326	0.89	1.07	120.0	327	1.51	1.82	120.0
	328	0.29	0.35	120.0	329	0.42	0.50	120.0	330	0.45	0.54	120.0
	331	0.61	0.73	120.0	332	0.56	0.67	120.0	333	0.26	0.21	80.0
	334	0.53	0.63	120.0	335	0.59	0.70	120.0	336	0.29	0.35	120.0
	337	0.30	0.36	120.0	338	0.37	0.44	120.0	348	0.91	3.99	440.0
	350	0.78	3.44	440.0	356	0.65	2.11	325.5	363	0.86	2.81	325.5
	364	1.36	4.44	325.5	369	1.24	4.03	325.5	375	0.20	0.16	80.0
	376	2.19	2.50	114.5	379	2.23	8.04	360.0	381	1.42	3.50	245.5
	382	1.24	4.46	360.0	383	0.83	2.98	360.0	384	0.63	2.27	360.0
	385	1.06	2.61	245.5	386	1.00	3.59	360.0	390	0.98	3.18	325.5
	392	1.84	2.10	114.5	393	1.93	6.94	360.0	396	0.20	0.16	80.0
	397	0.78	0.93	120.0	398	1.05	1.21	114.5	399	1.24	1.43	114.5
	403	1.36	1.56	114.5	407	1.47	5.31	360.0	408	1.41	5.08	360.0
	421	1.73	1.98	114.5	422	2.18	10.34	474.5	423	1.59	1.82	114.5
	424	2.01	9.54	474.5	425	1.86	6.70	360.0	429	1.66	5.98	360.0
	433	1.03	4.54	440.0	434	1.72	6.20	360.0	435	1.67	6.01	360.0
	436	1.31	5.74	440.0	437	1.98	7.13	360.0	438	1.62	5.85	360.0
	439	1.33	5.85	440.0	440	1.98	7.14	360.0	441	1.60	5.75	360.0
	442	0.28	0.22	80.0	443	1.71	6.15	360.0				
65	1	0.17	0.21	120.0	98	0.89	3.19	360.0	99	1.29	4.65	360.0
	100	1.41	5.07	360.0	101	0.16	0.13	80.0	102	0.63	0.75	120.0
	103	0.19	0.15	80.0	104	0.78	0.94	120.0	105	0.73	0.87	120.0
	106	0.62	2.72	440.0	107	1.10	3.97	360.0	108	1.22	4.40	360.0
	109	0.76	3.34	440.0	110	1.35	4.87	360.0	111	1.64	5.90	360.0
	112	0.96	4.22	440.0	113	1.44	5.17	360.0	114	1.47	5.30	360.0
	115	0.75	2.45	325.5	116	2.07	9.83	474.5	117	2.03	9.61	474.5
	118	1.25	4.07	325.5	119	3.73	9.16	245.5	120	1.38	4.95	360.0
	121	0.24	0.19	80.0	122	3.04	7.47	245.5	123	1.32	4.76	360.0
	124	0.25	0.20	80.0	125	1.45	5.23	360.0	126	1.72	6.21	360.0
	127	2.56	4.87	190.0	129	1.95	3.71	190.0	132	2.83	5.37	190.0
	134	1.81	6.53	360.0	135	2.07	3.92	190.0	137	2.75	5.23	190.0
	138	2.39	4.55	190.0	141	1.96	3.72	190.0	144	1.80	3.41	190.0
	145	0.96	4.20	440.0	146	1.51	5.43	360.0	147	1.47	5.30	360.0
	165	1.31	4.73	360.0	204	1.28	4.60	360.0	205	1.57	1.80	114.5
	207	2.15	5.29	245.5	212	2.40	8.65	360.0	215	0.67	2.19	325.5
	223	3.08	11.10	360.0	231	1.96	4.82	245.5	237	1.50	5.40	360.0
	244	0.05	0.04	80.0	245	0.29	0.35	120.0	246	0.36	0.44	120.0
	247	0.49	0.59	120.0	248	0.38	0.46	120.0	249	0.02	0.02	80.0
	254	1.45	5.21	360.0	267	1.14	5.02	440.0	275	0.22	0.71	325.5
	284	1.03	3.35	325.5	296	0.20	0.16	80.0	304	1.21	4.36	360.0
	310	0.50	0.60	120.0	311	1.09	1.31	120.0	312	1.08	1.29	120.0
	313	0.51	0.61	120.0	314	1.09	1.31	120.0	315	1.11	1.34	120.0
	316	0.08	0.10	120.0	317	0.33	0.40	120.0	318	0.38	0.45	120.0
	319	0.50	0.61	120.0	320	0.43	0.52	120.0	321	0.04	0.02	40.0
	322	0.64	0.77	120.0	323	0.74	0.88	120.0	324	1.34	1.60	120.0
	325	0.65	0.78	120.0	326	0.80	0.96	120.0	327	1.38	1.66	120.0
	328	0.22	0.26	120.0	329	0.36	0.43	120.0	330	0.38	0.46	120.0
	331	0.51	0.61	120.0	332	0.47	0.56	120.0	333	0.22	0.18	80.0
	334	0.49	0.59	120.0	335	0.54	0.65	120.0	336	0.25	0.30	120.0
	337	0.26	0.31	120.0	338	0.31	0.37	120.0	348	0.86	3.76	440.0
	350	0.75	3.30	440.0	356	0.64	2.10	325.5	363	0.94	3.05	325.5
	364	1.39	4.52	325.5	369	1.21	3.94	325.5	375	0.20	0.16	80.0
	376	2.06	2.36	114.5	379	2.01	7.24	360.0	381	1.37	3.37	245.5
	382	1.20	4.31	360.0	383	0.79	2.84	360.0	384	0.59	2.13	360.0
	385	1.04	2.56	245.5	386	0.94	3.40	360.0	390	0.92	2.99	325.5
	392	1.78	2.04	114.5	393	1.77	6.35	360.0	396	0.19	0.15	80.0
	397	0.72	0.87	120.0	398	0.76	0.87	114.5	399	1.26	1.45	114.5
	403	1.13	1.29	114.5	407	0.89	3.21	360.0	408	1.30	4.68	360.0
	421	1.48	1.69	114.5	422	2.30	10.90	474.5	423	1.32	1.51	114.5
	424	2.15	10.21	474.5	425	2.53	9.12	360.0	429	1.57	5.66	360.0
	433	0.99	4.37	440.0	434	1.63	5.88	360.0	435	1.56	5.63	360.0
	436	1.27	5.59	440.0	437	1.90	6.85	360.0	438	1.51	5.43	360.0
	439	1.30	5.70	440.0	440	1.90	6.85	360.0	441	1.48	5.32	360.0
	442	0.28	0.22	80.0	443	1.63	5.85	360.0				
66	1	0.07	0.08	120.0	98	0.62	2.22	360.0	99	0.45	1.61	360.0
	100	0.62	2.25	360.0	101	0.11	0.09	80.0	102	0.34	0.41	120.0
	103	0.09	0.07	80.0	104	0.36	0.43	120.0	105	0.33	0.39	120.0
	106	0.31	1.36	440.0	107	0.53	1.92	360.0	108	0.57	2.04	360.0
	109	0.42	1.83	440.0	110	0.71	2.54	360.0	111	0.86	3.08	360.0
	112	0.50	2.22	440.0	113	0.71	2.57	360.0	114	0.78	2.80	360.0
	115	0.63	2.03	325.5	116	1.25	5.92	474.5	117	1.35	6.40	474.5
	118	1.81	5.91	325.5	119	0.97	2.37	245.5	120	0.99	3.55	360.0
	121	0.42	0.34	80.0	122	0.91	2.22	245.5	123	0.73	2.63	360.0

	124	0.13	0.10	80.0	125	0.70	2.53	360.0	126	0.84	3.03	360.0
	127	1.19	2.26	190.0	129	0.94	1.79	190.0	132	1.54	2.93	190.0
	134	1.02	3.69	360.0	135	1.31	2.50	190.0	137	1.54	2.92	190.0
	138	1.13	2.15	190.0	141	0.93	1.77	190.0	144	0.75	1.42	190.0
	145	0.45	1.98	440.0	146	0.67	2.41	360.0	147	0.61	2.19	360.0
	165	0.67	2.43	360.0	204	0.51	1.83	360.0	205	2.74	3.14	114.5
	207	1.15	2.83	245.5	212	0.57	2.04	360.0	215	1.22	3.96	325.5
	223	0.85	3.06	360.0	231	1.05	2.59	245.5	237	0.67	2.42	360.0
	244	0.08	0.06	80.0	245	0.23	0.27	120.0	246	0.27	0.33	120.0
	247	0.24	0.29	120.0	248	0.19	0.23	120.0	249	0.01	8.45e-03	80.0
	254	0.60	2.17	360.0	267	0.75	3.31	440.0	275	0.42	1.37	325.5
	284	1.76	5.72	325.5	296	0.09	0.07	80.0	304	0.55	1.98	360.0
	310	0.25	0.30	120.0	311	0.52	0.62	120.0	312	0.51	0.61	120.0
	313	0.24	0.28	120.0	314	0.49	0.59	120.0	315	0.48	0.58	120.0
	316	0.14	0.17	120.0	317	0.25	0.30	120.0	318	0.28	0.34	120.0
	319	0.25	0.29	120.0	320	0.21	0.25	120.0	321	0.02	8.45e-03	40.0
	322	0.32	0.38	120.0	323	0.39	0.47	120.0	324	0.61	0.73	120.0
	325	0.30	0.36	120.0	326	0.36	0.44	120.0	327	0.60	0.71	120.0
	328	0.14	0.17	120.0	329	0.27	0.32	120.0	330	0.28	0.34	120.0
	331	0.24	0.29	120.0	332	0.23	0.27	120.0	333	0.11	0.09	80.0
	334	0.28	0.33	120.0	335	0.25	0.30	120.0	336	0.19	0.23	120.0
	337	0.13	0.16	120.0	338	0.15	0.18	120.0	348	0.30	1.34	440.0
	350	0.32	1.42	440.0	356	0.66	2.14	325.5	363	0.72	2.35	325.5
	364	0.75	2.45	325.5	369	0.69	2.26	325.5	375	0.36	0.28	80.0
	376	1.18	1.35	114.5	379	1.16	4.18	360.0	381	0.69	1.69	245.5
	382	0.55	1.99	360.0	383	0.37	1.35	360.0	384	0.44	1.60	360.0
	385	1.50	3.68	245.5	386	0.48	1.72	360.0	390	0.78	2.55	325.5
	392	1.02	1.17	114.5	393	0.99	3.57	360.0	396	0.09	0.07	80.0
	397	0.37	0.44	120.0	398	0.24	0.28	114.5	399	2.01	2.30	114.5
	403	0.39	0.44	114.5	407	0.49	1.78	360.0	408	0.53	1.90	360.0
	421	0.79	0.91	114.5	422	0.94	4.48	474.5	423	0.70	0.80	114.5
	424	0.83	3.92	474.5	425	0.99	3.55	360.0	429	0.64	2.32	360.0
	433	0.41	1.82	440.0	434	0.66	2.36	360.0	435	0.64	2.30	360.0
	436	0.56	2.45	440.0	437	0.79	2.84	360.0	438	0.60	2.18	360.0
	439	0.59	2.61	440.0	440	0.81	2.93	360.0	441	0.59	2.13	360.0
	442	0.14	0.11	80.0	443	0.71	2.57	360.0				
67	1	0.13	0.15	120.0	98	0.88	3.17	360.0	99	0.94	3.37	360.0
	100	0.96	3.46	360.0	101	0.21	0.17	80.0	102	0.60	0.71	120.0
	103	0.16	0.12	80.0	104	0.63	0.76	120.0	105	0.57	0.68	120.0
	106	0.45	1.99	440.0	107	0.80	2.88	360.0	108	0.90	3.25	360.0
	109	0.49	2.14	440.0	110	0.87	3.13	360.0	111	1.06	3.82	360.0
	112	0.68	3.00	440.0	113	0.99	3.55	360.0	114	0.86	3.09	360.0
	115	1.96	6.39	325.5	116	1.07	5.08	474.5	117	0.98	4.66	474.5
	118	2.18	7.09	325.5	119	0.84	2.06	245.5	120	0.70	2.52	360.0
	121	0.44	0.35	80.0	122	0.66	1.63	245.5	123	0.73	2.62	360.0
	124	0.15	0.12	80.0	125	0.85	3.05	360.0	126	1.04	3.76	360.0
	127	1.60	3.05	190.0	129	1.51	2.88	190.0	132	1.71	3.26	190.0
	134	1.22	4.39	360.0	135	0.92	1.74	190.0	137	1.56	2.96	190.0
	138	1.38	2.62	190.0	141	1.13	2.14	190.0	144	1.28	2.43	190.0
	145	0.52	2.30	440.0	146	0.88	3.16	360.0	147	0.95	3.43	360.0
	165	0.75	2.70	360.0	204	0.90	3.23	360.0	205	3.34	3.83	114.5
	207	1.10	2.69	245.5	212	0.66	2.38	360.0	215	1.35	4.39	325.5
	223	0.75	2.71	360.0	231	1.03	2.53	245.5	237	0.97	3.50	360.0
	244	0.07	0.05	80.0	245	0.31	0.37	120.0	246	0.40	0.48	120.0
	247	0.32	0.38	120.0	248	0.25	0.30	120.0	249	0.02	0.01	80.0
	254	1.00	3.61	360.0	267	0.53	2.33	440.0	275	1.93	6.28	325.5
	284	2.15	6.99	325.5	296	0.13	0.11	80.0	304	0.83	2.97	360.0
	310	0.44	0.53	120.0	311	0.94	1.13	120.0	312	0.94	1.13	120.0
	313	0.43	0.51	120.0	314	0.89	1.07	120.0	315	0.89	1.07	120.0
	316	0.14	0.17	120.0	317	0.36	0.43	120.0	318	0.42	0.50	120.0
	319	0.33	0.39	120.0	320	0.28	0.34	120.0	321	0.03	0.01	40.0
	322	0.56	0.67	120.0	323	0.67	0.80	120.0	324	1.10	1.33	120.0
	325	0.54	0.64	120.0	326	0.63	0.76	120.0	327	1.08	1.29	120.0
	328	0.16	0.20	120.0	329	0.39	0.47	120.0	330	0.43	0.51	120.0
	331	0.33	0.40	120.0	332	0.31	0.37	120.0	333	0.15	0.12	80.0
	334	0.45	0.54	120.0	335	0.42	0.51	120.0	336	0.27	0.32	120.0
	337	0.16	0.19	120.0	338	0.20	0.24	120.0	348	0.69	3.04	440.0
	350	0.43	1.89	440.0	356	0.32	1.03	325.5	363	0.56	1.82	325.5
	364	0.68	2.20	325.5	369	0.50	1.61	325.5	375	0.35	0.28	80.0
	376	0.85	0.97	114.5	379	0.99	3.58	360.0	381	0.56	1.37	245.5
	382	0.87	3.13	360.0	383	0.53	1.90	360.0	384	0.57	2.06	360.0
	385	1.69	4.14	245.5	386	0.53	1.90	360.0	390	0.61	1.99	325.5
	392	0.82	0.93	114.5	393	0.70	2.53	360.0	396	0.15	0.12	80.0
	397	0.64	0.77	120.0	398	0.52	0.60	114.5	399	2.26	2.59	114.5
	403	0.76	0.87	114.5	407	0.46	1.64	360.0	408	0.78	2.82	360.0

	421	0.73	0.84	114.5	422	1.11	5.29	474.5	423	0.66	0.76	114.5
	424	1.05	4.98	474.5	425	1.36	4.90	360.0	429	0.99	3.55	360.0
	433	0.65	2.85	440.0	434	1.11	4.00	360.0	435	1.07	3.86	360.0
	436	0.86	3.79	440.0	437	1.36	4.90	360.0	438	1.09	3.94	360.0
	439	0.92	4.03	440.0	440	1.39	5.02	360.0	441	1.06	3.82	360.0
	442	0.24	0.19	80.0	443	1.19	4.29	360.0				
68	1	0.21	0.26	120.0	98	1.12	4.03	360.0	99	1.83	6.61	360.0
	100	1.76	6.32	360.0	101	0.12	0.10	80.0	102	0.84	1.01	120.0
	103	0.24	0.20	80.0	104	1.02	1.23	120.0	105	0.97	1.17	120.0
	106	0.75	3.28	440.0	107	1.36	4.89	360.0	108	1.54	5.55	360.0
	109	0.84	3.69	440.0	110	1.57	5.64	360.0	111	1.86	6.68	360.0
	112	1.19	5.24	440.0	113	1.74	6.28	360.0	114	1.54	5.56	360.0
	115	1.95	6.33	325.5	116	1.83	8.68	474.5	117	1.79	8.48	474.5
	118	1.30	4.24	325.5	119	4.67	11.46	245.5	120	1.47	5.31	360.0
	121	0.30	0.24	80.0	122	3.41	8.37	245.5	123	1.33	4.80	360.0
	124	0.24	0.19	80.0	125	1.61	5.78	360.0	126	1.86	6.71	360.0
	127	2.93	5.56	190.0	129	2.35	4.47	190.0	132	3.03	5.75	190.0
	134	1.81	6.52	360.0	135	1.93	3.67	190.0	137	2.70	5.12	190.0
	138	2.48	4.71	190.0	141	2.13	4.04	190.0	144	1.96	3.72	190.0
	145	1.09	4.77	440.0	146	1.75	6.31	360.0	147	1.67	6.01	360.0
	165	1.70	6.13	360.0	204	1.43	5.14	360.0	205	2.01	2.30	114.5
	207	2.25	5.53	245.5	212	2.73	9.83	360.0	215	0.81	2.63	325.5
	223	3.84	13.83	360.0	231	1.98	4.87	245.5	237	1.64	5.92	360.0
	244	0.05	0.04	80.0	245	0.36	0.43	120.0	246	0.45	0.54	120.0
	247	0.62	0.75	120.0	248	0.48	0.58	120.0	249	0.02	0.02	80.0
	254	1.82	6.54	360.0	267	0.96	4.24	440.0	275	1.87	6.10	325.5
	284	1.19	3.87	325.5	296	0.26	0.21	80.0	304	1.49	5.36	360.0
	310	0.66	0.79	120.0	311	1.43	1.71	120.0	312	1.44	1.73	120.0
	313	0.67	0.80	120.0	314	1.43	1.72	120.0	315	1.48	1.78	120.0
	316	0.09	0.10	120.0	317	0.41	0.49	120.0	318	0.47	0.56	120.0
	319	0.64	0.77	120.0	320	0.55	0.65	120.0	321	0.05	0.02	40.0
	322	0.83	1.00	120.0	323	0.96	1.16	120.0	324	1.72	2.07	120.0
	325	0.84	1.01	120.0	326	1.05	1.26	120.0	327	1.79	2.15	120.0
	328	0.28	0.33	120.0	329	0.44	0.53	120.0	330	0.47	0.57	120.0
	331	0.65	0.78	120.0	332	0.60	0.72	120.0	333	0.28	0.22	80.0
	334	0.63	0.76	120.0	335	0.69	0.83	120.0	336	0.31	0.37	120.0
	337	0.32	0.39	120.0	338	0.39	0.47	120.0	348	0.98	4.32	440.0
	350	0.83	3.65	440.0	356	0.27	0.88	325.5	363	0.66	2.16	325.5
	364	1.45	4.71	325.5	369	1.32	4.28	325.5	375	0.17	0.13	80.0
	376	2.29	2.62	114.5	379	2.29	8.24	360.0	381	1.43	3.51	245.5
	382	1.47	5.28	360.0	383	0.96	3.44	360.0	384	0.74	2.65	360.0
	385	1.13	2.76	245.5	386	0.97	3.50	360.0	390	1.09	3.56	325.5
	392	1.80	2.06	114.5	393	1.75	6.29	360.0	396	0.24	0.19	80.0
	397	0.94	1.13	120.0	398	1.06	1.21	114.5	399	1.47	1.69	114.5
	403	1.42	1.63	114.5	407	1.40	5.04	360.0	408	1.53	5.52	360.0
	421	1.69	1.94	114.5	422	1.98	9.39	474.5	423	1.55	1.78	114.5
	424	1.79	8.51	474.5	425	1.84	6.64	360.0	429	1.81	6.52	360.0
	433	1.15	5.06	440.0	434	1.96	7.06	360.0	435	1.92	6.90	360.0
	436	1.47	6.48	440.0	437	2.31	8.31	360.0	438	1.92	6.92	360.0
	439	1.53	6.73	440.0	440	2.34	8.41	360.0	441	1.88	6.78	360.0
	442	0.28	0.23	80.0	443	2.02	7.26	360.0				
69	1	0.20	0.24	120.0	98	1.07	3.87	360.0	99	1.59	5.73	360.0
	100	1.63	5.87	360.0	101	0.13	0.10	80.0	102	0.79	0.95	120.0
	103	0.23	0.19	80.0	104	0.96	1.15	120.0	105	0.88	1.05	120.0
	106	0.70	3.10	440.0	107	1.26	4.52	360.0	108	1.42	5.11	360.0
	109	0.79	3.49	440.0	110	1.43	5.15	360.0	111	1.74	6.28	360.0
	112	1.16	5.08	440.0	113	1.62	5.83	360.0	114	1.44	5.19	360.0
	115	1.97	6.42	325.5	116	1.86	8.84	474.5	117	1.85	8.76	474.5
	118	1.33	4.32	325.5	119	4.62	11.34	245.5	120	1.44	5.17	360.0
	121	0.28	0.22	80.0	122	3.35	8.22	245.5	123	1.25	4.48	360.0
	124	0.25	0.20	80.0	125	1.46	5.27	360.0	126	1.77	6.38	360.0
	127	2.74	5.20	190.0	129	2.26	4.30	190.0	132	2.96	5.63	190.0
	134	1.97	7.08	360.0	135	1.93	3.66	190.0	137	2.77	5.27	190.0
	138	2.44	4.63	190.0	141	2.02	3.84	190.0	144	1.95	3.71	190.0
	145	1.05	4.63	440.0	146	1.64	5.92	360.0	147	1.59	5.72	360.0
	165	1.27	4.58	360.0	204	1.36	4.90	360.0	205	1.87	2.15	114.5
	207	2.22	5.44	245.5	212	2.62	9.43	360.0	215	0.75	2.44	325.5
	223	3.71	13.35	360.0	231	1.94	4.76	245.5	237	1.56	5.61	360.0
	244	0.03	0.03	80.0	245	0.34	0.41	120.0	246	0.44	0.53	120.0
	247	0.54	0.65	120.0	248	0.42	0.51	120.0	249	0.02	0.02	80.0
	254	1.69	6.10	360.0	267	0.92	4.06	440.0	275	1.87	6.08	325.5
	284	1.17	3.81	325.5	296	0.24	0.19	80.0	304	1.41	5.07	360.0
	310	0.63	0.76	120.0	311	1.36	1.63	120.0	312	1.35	1.62	120.0
	313	0.64	0.77	120.0	314	1.35	1.62	120.0	315	1.36	1.63	120.0
	316	0.08	0.09	120.0	317	0.40	0.47	120.0	318	0.46	0.55	120.0

	319	0.55	0.66	120.0	320	0.47	0.57	120.0	321	0.05	0.02	40.0
	322	0.80	0.97	120.0	323	0.92	1.10	120.0	324	1.62	1.95	120.0
	325	0.81	0.97	120.0	326	0.97	1.16	120.0	327	1.66	1.99	120.0
	328	0.26	0.32	120.0	329	0.43	0.51	120.0	330	0.46	0.55	120.0
	331	0.56	0.67	120.0	332	0.52	0.62	120.0	333	0.24	0.19	80.0
	334	0.61	0.73	120.0	335	0.65	0.78	120.0	336	0.29	0.35	120.0
	337	0.28	0.33	120.0	338	0.33	0.40	120.0	348	0.93	4.10	440.0
	350	0.80	3.51	440.0	356	0.27	0.88	325.5	363	0.77	2.49	325.5
	364	1.47	4.79	325.5	369	1.29	4.19	325.5	375	0.16	0.13	80.0
	376	2.15	2.46	114.5	379	2.07	7.44	360.0	381	1.38	3.38	245.5
	382	1.43	5.14	360.0	383	0.92	3.29	360.0	384	0.71	2.56	360.0
	385	1.08	2.65	245.5	386	0.92	3.31	360.0	390	0.97	3.17	325.5
	392	1.75	2.00	114.5	393	1.61	5.78	360.0	396	0.23	0.18	80.0
	397	0.90	1.08	120.0	398	0.77	0.89	114.5	399	1.42	1.63	114.5
	403	1.20	1.38	114.5	407	0.93	3.36	360.0	408	1.42	5.12	360.0
	421	1.42	1.62	114.5	422	2.10	9.95	474.5	423	1.26	1.44	114.5
	424	1.94	9.22	474.5	425	2.50	8.98	360.0	429	1.73	6.21	360.0
	433	1.11	4.90	440.0	434	1.87	6.74	360.0	435	1.81	6.53	360.0
	436	1.44	6.33	440.0	437	2.23	8.02	360.0	438	1.81	6.51	360.0
	439	1.50	6.58	440.0	440	2.26	8.12	360.0	441	1.76	6.35	360.0
	442	0.28	0.22	80.0	443	1.93	6.96	360.0				
70	1	0.14	0.17	120.0	98	0.89	3.22	360.0	99	0.93	3.35	360.0
	100	1.08	3.90	360.0	101	0.20	0.16	80.0	102	0.62	0.74	120.0
	103	0.17	0.13	80.0	104	0.69	0.83	120.0	105	0.66	0.79	120.0
	106	0.49	2.17	440.0	107	0.90	3.23	360.0	108	1.02	3.68	360.0
	109	0.53	2.32	440.0	110	1.00	3.60	360.0	111	1.17	4.23	360.0
	112	0.72	3.15	440.0	113	1.11	3.98	360.0	114	0.96	3.47	360.0
	115	1.95	6.35	325.5	116	1.04	4.96	474.5	117	0.93	4.41	474.5
	118	2.18	7.10	325.5	119	0.83	2.04	245.5	120	0.76	2.72	360.0
	121	0.45	0.36	80.0	122	0.68	1.67	245.5	123	0.82	2.95	360.0
	124	0.14	0.11	80.0	125	0.98	3.54	360.0	126	1.13	4.08	360.0
	127	1.79	3.40	190.0	129	1.58	3.00	190.0	132	1.77	3.36	190.0
	134	1.10	3.95	360.0	135	0.92	1.75	190.0	137	1.48	2.81	190.0
	138	1.43	2.71	190.0	141	1.24	2.35	190.0	144	1.30	2.47	190.0
	145	0.56	2.45	440.0	146	0.99	3.56	360.0	147	1.03	3.71	360.0
	165	1.13	4.05	360.0	204	0.98	3.51	360.0	205	3.41	3.90	114.5
	207	1.12	2.75	245.5	212	0.84	3.02	360.0	215	1.38	4.48	325.5
	223	0.98	3.52	360.0	231	1.06	2.60	245.5	237	1.06	3.82	360.0
	244	0.08	0.06	80.0	245	0.30	0.36	120.0	246	0.37	0.44	120.0
	247	0.40	0.47	120.0	248	0.30	0.37	120.0	249	0.01	0.01	80.0
	254	1.12	4.03	360.0	267	0.57	2.50	440.0	275	1.93	6.30	325.5
	284	2.17	7.05	325.5	296	0.16	0.13	80.0	304	0.90	3.26	360.0
	310	0.46	0.55	120.0	311	1.00	1.20	120.0	312	1.02	1.22	120.0
	313	0.45	0.55	120.0	314	0.97	1.17	120.0	315	1.01	1.21	120.0
	316	0.15	0.18	120.0	317	0.33	0.40	120.0	318	0.38	0.46	120.0
	319	0.41	0.49	120.0	320	0.35	0.42	120.0	321	0.03	0.01	40.0
	322	0.58	0.70	120.0	323	0.69	0.83	120.0	324	1.19	1.43	120.0
	325	0.57	0.69	120.0	326	0.71	0.85	120.0	327	1.20	1.44	120.0
	328	0.15	0.18	120.0	329	0.36	0.43	120.0	330	0.39	0.46	120.0
	331	0.42	0.50	120.0	332	0.38	0.46	120.0	333	0.18	0.14	80.0
	334	0.46	0.55	120.0	335	0.46	0.56	120.0	336	0.25	0.30	120.0
	337	0.20	0.24	120.0	338	0.25	0.30	120.0	348	0.74	3.26	440.0
	350	0.46	2.02	440.0	356	0.31	1.01	325.5	363	0.47	1.53	325.5
	364	0.63	2.05	325.5	369	0.52	1.70	325.5	375	0.35	0.28	80.0
	376	1.02	1.16	114.5	379	1.31	4.70	360.0	381	0.61	1.50	245.5
	382	0.91	3.27	360.0	383	0.57	2.04	360.0	384	0.58	2.09	360.0
	385	1.72	4.22	245.5	386	0.58	2.08	360.0	390	0.79	2.58	325.5
	392	0.87	0.99	114.5	393	0.86	3.09	360.0	396	0.16	0.13	80.0
	397	0.66	0.80	120.0	398	0.77	0.88	114.5	399	2.30	2.64	114.5
	403	0.96	1.10	114.5	407	0.92	3.30	360.0	408	0.90	3.22	360.0
	421	1.02	1.17	114.5	422	1.01	4.79	474.5	423	0.97	1.11	114.5
	424	0.92	4.38	474.5	425	0.74	2.66	360.0	429	1.07	3.84	360.0
	433	0.68	3.00	440.0	434	1.20	4.30	360.0	435	1.17	4.21	360.0
	436	0.89	3.93	440.0	437	1.44	5.17	360.0	438	1.20	4.33	360.0
	439	0.95	4.17	440.0	440	1.47	5.29	360.0	441	1.17	4.23	360.0
	442	0.25	0.20	80.0	443	1.27	4.57	360.0				
71	1	0.13	0.15	120.0	98	0.85	3.05	360.0	99	0.86	3.08	360.0
	100	0.97	3.50	360.0	101	0.14	0.12	80.0	102	0.58	0.70	120.0
	103	0.15	0.12	80.0	104	0.62	0.74	120.0	105	0.55	0.66	120.0
	106	0.44	1.92	440.0	107	0.77	2.79	360.0	108	0.88	3.17	360.0
	109	0.47	2.05	440.0	110	0.83	3.00	360.0	111	1.02	3.69	360.0
	112	0.70	3.10	440.0	113	0.98	3.53	360.0	114	0.80	2.90	360.0
	115	1.96	6.37	325.5	116	0.98	4.67	474.5	117	0.92	4.35	474.5
	118	2.10	6.83	325.5	119	0.63	1.54	245.5	120	0.71	2.55	360.0
	121	0.43	0.34	80.0	122	0.60	1.46	245.5	123	0.68	2.44	360.0

	124	0.14	0.12	80.0	125	0.82	2.96	360.0	126	1.02	3.67	360.0
	127	1.59	3.02	190.0	129	1.49	2.82	190.0	132	1.69	3.22	190.0
	134	1.20	4.32	360.0	135	0.92	1.75	190.0	137	1.55	2.95	190.0
	138	1.38	2.62	190.0	141	1.14	2.17	190.0	144	1.23	2.34	190.0
	145	0.57	2.51	440.0	146	0.92	3.31	360.0	147	0.95	3.42	360.0
	165	0.71	2.55	360.0	204	0.85	3.07	360.0	205	3.24	3.71	114.5
	207	1.16	2.85	245.5	212	0.71	2.54	360.0	215	1.32	4.28	325.5
	223	0.92	3.30	360.0	231	1.04	2.55	245.5	237	0.94	3.37	360.0
	244	0.06	0.05	80.0	245	0.30	0.36	120.0	246	0.39	0.46	120.0
	247	0.31	0.38	120.0	248	0.25	0.30	120.0	249	0.01	0.01	80.0
	254	1.03	3.69	360.0	267	0.47	2.06	440.0	275	1.93	6.28	325.5
	284	2.07	6.75	325.5	296	0.14	0.11	80.0	304	0.84	3.03	360.0
	310	0.43	0.52	120.0	311	0.92	1.11	120.0	312	0.92	1.10	120.0
	313	0.42	0.50	120.0	314	0.87	1.05	120.0	315	0.87	1.04	120.0
	316	0.14	0.17	120.0	317	0.35	0.42	120.0	318	0.40	0.49	120.0
	319	0.32	0.38	120.0	320	0.27	0.33	120.0	321	0.03	0.01	40.0
	322	0.55	0.65	120.0	323	0.65	0.78	120.0	324	1.08	1.30	120.0
	325	0.52	0.63	120.0	326	0.62	0.74	120.0	327	1.05	1.27	120.0
	328	0.16	0.19	120.0	329	0.38	0.45	120.0	330	0.41	0.50	120.0
	331	0.32	0.39	120.0	332	0.30	0.36	120.0	333	0.14	0.11	80.0
	334	0.44	0.52	120.0	335	0.41	0.50	120.0	336	0.26	0.31	120.0
	337	0.16	0.19	120.0	338	0.19	0.23	120.0	348	0.68	2.98	440.0
	350	0.45	1.97	440.0	356	0.22	0.72	325.5	363	0.51	1.66	325.5
	364	0.75	2.46	325.5	369	0.60	1.96	325.5	375	0.34	0.27	80.0
	376	1.00	1.14	114.5	379	1.07	3.84	360.0	381	0.60	1.47	245.5
	382	0.87	3.14	360.0	383	0.54	1.95	360.0	384	0.56	2.02	360.0
	385	1.64	4.03	245.5	386	0.51	1.84	360.0	390	0.63	2.06	325.5
	392	0.86	0.98	114.5	393	0.73	2.61	360.0	396	0.15	0.12	80.0
	397	0.62	0.75	120.0	398	0.48	0.55	114.5	399	2.21	2.53	114.5
	403	0.73	0.84	114.5	407	0.51	1.85	360.0	408	0.81	2.92	360.0
	421	0.70	0.81	114.5	422	1.06	5.04	474.5	423	0.63	0.72	114.5
	424	0.99	4.69	474.5	425	1.37	4.94	360.0	429	1.01	3.64	360.0
	433	0.66	2.92	440.0	434	1.14	4.09	360.0	435	1.10	3.96	360.0
	436	0.87	3.83	440.0	437	1.38	4.97	360.0	438	1.12	4.04	360.0
	439	0.92	4.04	440.0	440	1.41	5.06	360.0	441	1.09	3.92	360.0
	442	0.23	0.18	80.0	443	1.20	4.32	360.0				
72	1	0.21	0.26	120.0	98	1.14	4.11	360.0	99	1.74	6.28	360.0
	100	1.74	6.26	360.0	101	0.19	0.15	80.0	102	0.85	1.02	120.0
	103	0.25	0.20	80.0	104	1.04	1.24	120.0	105	0.99	1.18	120.0
	106	0.76	3.36	440.0	107	1.39	4.99	360.0	108	1.57	5.64	360.0
	109	0.86	3.78	440.0	110	1.61	5.78	360.0	111	1.90	6.82	360.0
	112	1.17	5.16	440.0	113	1.76	6.33	360.0	114	1.60	5.75	360.0
	115	1.95	6.36	325.5	116	1.91	9.09	474.5	117	1.85	8.76	474.5
	118	1.38	4.49	325.5	119	4.35	10.68	245.5	120	1.46	5.27	360.0
	121	0.31	0.25	80.0	122	3.29	8.06	245.5	123	1.38	4.98	360.0
	124	0.24	0.20	80.0	125	1.63	5.88	360.0	126	1.89	6.81	360.0
	127	2.94	5.58	190.0	129	2.38	4.51	190.0	132	3.05	5.79	190.0
	134	1.83	6.59	360.0	135	1.93	3.67	190.0	137	2.70	5.13	190.0
	138	2.48	4.70	190.0	141	2.11	4.01	190.0	144	2.01	3.81	190.0
	145	1.03	4.54	440.0	146	1.71	6.15	360.0	147	1.67	6.03	360.0
	165	1.78	6.42	360.0	204	1.48	5.31	360.0	205	2.11	2.41	114.5
	207	2.18	5.35	245.5	212	2.67	9.62	360.0	215	0.85	2.77	325.5
	223	3.68	13.25	360.0	231	1.97	4.84	245.5	237	1.69	6.07	360.0
	244	0.05	0.04	80.0	245	0.36	0.43	120.0	246	0.46	0.55	120.0
	247	0.63	0.76	120.0	248	0.49	0.58	120.0	249	0.02	0.02	80.0
	254	1.79	6.43	360.0	267	1.04	4.57	440.0	275	1.87	6.10	325.5
	284	1.26	4.11	325.5	296	0.26	0.21	80.0	304	1.47	5.28	360.0
	310	0.67	0.80	120.0	311	1.45	1.74	120.0	312	1.47	1.76	120.0
	313	0.68	0.81	120.0	314	1.45	1.74	120.0	315	1.50	1.80	120.0
	316	0.09	0.10	120.0	317	0.41	0.49	120.0	318	0.47	0.57	120.0
	319	0.65	0.78	120.0	320	0.55	0.66	120.0	321	0.05	0.02	40.0
	322	0.85	1.02	120.0	323	0.98	1.17	120.0	324	1.75	2.10	120.0
	325	0.85	1.03	120.0	326	1.06	1.28	120.0	327	1.81	2.17	120.0
	328	0.28	0.33	120.0	329	0.45	0.54	120.0	330	0.48	0.57	120.0
	331	0.66	0.79	120.0	332	0.60	0.72	120.0	333	0.28	0.22	80.0
	334	0.64	0.77	120.0	335	0.70	0.84	120.0	336	0.31	0.37	120.0
	337	0.33	0.39	120.0	338	0.39	0.47	120.0	348	0.98	4.33	440.0
	350	0.81	3.55	440.0	356	0.18	0.57	325.5	363	0.63	2.06	325.5
	364	1.35	4.40	325.5	369	1.21	3.94	325.5	375	0.18	0.14	80.0
	376	2.14	2.45	114.5	379	2.21	7.96	360.0	381	1.38	3.40	245.5
	382	1.46	5.25	360.0	383	0.94	3.37	360.0	384	0.73	2.65	360.0
	385	1.18	2.89	245.5	386	0.99	3.57	360.0	390	1.06	3.46	325.5
	392	1.76	2.01	114.5	393	1.73	6.24	360.0	396	0.24	0.20	80.0
	397	0.95	1.14	120.0	398	1.10	1.26	114.5	399	1.53	1.75	114.5
	403	1.45	1.66	114.5	407	1.38	4.97	360.0	408	1.50	5.40	360.0

	421	1.71	1.96	114.5	422	2.03	9.65	474.5	423	1.58	1.81	114.5
	424	1.86	8.81	474.5	425	1.82	6.55	360.0	429	1.78	6.41	360.0
	433	1.13	4.97	440.0	434	1.93	6.95	360.0	435	1.88	6.78	360.0
	436	1.46	6.43	440.0	437	2.28	8.22	360.0	438	1.89	6.80	360.0
	439	1.52	6.71	440.0	440	2.32	8.34	360.0	441	1.85	6.65	360.0
	442	0.29	0.23	80.0	443	2.00	7.21	360.0				
73	1	0.20	0.24	120.0	98	1.10	3.95	360.0	99	1.51	5.44	360.0
	100	1.61	5.80	360.0	101	0.20	0.16	80.0	102	0.80	0.96	120.0
	103	0.24	0.19	80.0	104	0.97	1.17	120.0	105	0.89	1.07	120.0
	106	0.72	3.17	440.0	107	1.28	4.62	360.0	108	1.44	5.19	360.0
	109	0.82	3.59	440.0	110	1.47	5.29	360.0	111	1.78	6.42	360.0
	112	1.14	5.00	440.0	113	1.63	5.87	360.0	114	1.50	5.38	360.0
	115	1.98	6.45	325.5	116	1.95	9.24	474.5	117	1.90	9.03	474.5
	118	1.41	4.58	325.5	119	4.30	10.55	245.5	120	1.42	5.11	360.0
	121	0.30	0.24	80.0	122	3.23	7.92	245.5	123	1.29	4.66	360.0
	124	0.25	0.20	80.0	125	1.49	5.37	360.0	126	1.80	6.47	360.0
	127	2.75	5.22	190.0	129	2.29	4.35	190.0	132	2.98	5.66	190.0
	134	1.98	7.15	360.0	135	1.93	3.66	190.0	137	2.78	5.28	190.0
	138	2.43	4.62	190.0	141	2.00	3.80	190.0	144	2.00	3.79	190.0
	145	1.00	4.40	440.0	146	1.60	5.75	360.0	147	1.59	5.73	360.0
	165	1.34	4.82	360.0	204	1.40	5.05	360.0	205	1.98	2.27	114.5
	207	2.14	5.26	245.5	212	2.56	9.20	360.0	215	0.79	2.56	325.5
	223	3.53	12.72	360.0	231	1.93	4.74	245.5	237	1.60	5.76	360.0
	244	0.03	0.03	80.0	245	0.35	0.42	120.0	246	0.45	0.54	120.0
	247	0.55	0.66	120.0	248	0.43	0.51	120.0	249	0.02	0.02	80.0
	254	1.67	6.00	360.0	267	1.00	4.39	440.0	275	1.87	6.09	325.5
	284	1.24	4.05	325.5	296	0.23	0.18	80.0	304	1.39	4.99	360.0
	310	0.64	0.77	120.0	311	1.38	1.66	120.0	312	1.37	1.64	120.0
	313	0.65	0.78	120.0	314	1.37	1.64	120.0	315	1.38	1.65	120.0
	316	0.08	0.09	120.0	317	0.40	0.48	120.0	318	0.47	0.56	120.0
	319	0.56	0.67	120.0	320	0.48	0.57	120.0	321	0.05	0.02	40.0
	322	0.82	0.98	120.0	323	0.93	1.12	120.0	324	1.64	1.97	120.0
	325	0.82	0.98	120.0	326	0.98	1.18	120.0	327	1.68	2.02	120.0
	328	0.27	0.32	120.0	329	0.44	0.52	120.0	330	0.47	0.57	120.0
	331	0.57	0.68	120.0	332	0.52	0.63	120.0	333	0.25	0.20	80.0
	334	0.62	0.74	120.0	335	0.66	0.79	120.0	336	0.30	0.36	120.0
	337	0.28	0.34	120.0	338	0.34	0.41	120.0	348	0.93	4.11	440.0
	350	0.78	3.41	440.0	356	0.18	0.57	325.5	363	0.74	2.41	325.5
	364	1.38	4.49	325.5	369	1.18	3.85	325.5	375	0.17	0.14	80.0
	376	2.00	2.29	114.5	379	1.98	7.11	360.0	381	1.33	3.26	245.5
	382	1.42	5.11	360.0	383	0.90	3.23	360.0	384	0.71	2.56	360.0
	385	1.13	2.77	245.5	386	0.94	3.39	360.0	390	0.94	3.06	325.5
	392	1.70	1.95	114.5	393	1.58	5.71	360.0	396	0.23	0.19	80.0
	397	0.91	1.09	120.0	398	0.81	0.93	114.5	399	1.48	1.69	114.5
	403	1.23	1.41	114.5	407	0.88	3.18	360.0	408	1.39	5.00	360.0
	421	1.44	1.65	114.5	422	2.15	10.19	474.5	423	1.29	1.48	114.5
	424	2.00	9.49	474.5	425	2.48	8.94	360.0	429	1.70	6.10	360.0
	433	1.09	4.81	440.0	434	1.84	6.64	360.0	435	1.78	6.41	360.0
	436	1.43	6.27	440.0	437	2.20	7.94	360.0	438	1.78	6.39	360.0
	439	1.49	6.56	440.0	440	2.24	8.06	360.0	441	1.73	6.23	360.0
	442	0.28	0.23	80.0	443	1.92	6.91	360.0				
74	1	0.14	0.17	120.0	98	0.86	3.11	360.0	99	0.90	3.22	360.0
	100	1.10	3.95	360.0	101	0.14	0.11	80.0	102	0.60	0.72	120.0
	103	0.16	0.13	80.0	104	0.68	0.81	120.0	105	0.64	0.77	120.0
	106	0.48	2.10	440.0	107	0.87	3.14	360.0	108	1.00	3.60	360.0
	109	0.51	2.23	440.0	110	0.96	3.46	360.0	111	1.14	4.09	360.0
	112	0.74	3.25	440.0	113	1.10	3.94	360.0	114	0.91	3.27	360.0
	115	1.95	6.34	325.5	116	0.96	4.55	474.5	117	0.86	4.08	474.5
	118	2.10	6.85	325.5	119	0.64	1.58	245.5	120	0.75	2.71	360.0
	121	0.43	0.35	80.0	122	0.63	1.54	245.5	123	0.77	2.76	360.0
	124	0.13	0.11	80.0	125	0.96	3.45	360.0	126	1.11	3.99	360.0
	127	1.78	3.38	190.0	129	1.55	2.95	190.0	132	1.75	3.32	190.0
	134	1.08	3.88	360.0	135	0.92	1.75	190.0	137	1.47	2.80	190.0
	138	1.43	2.72	190.0	141	1.25	2.38	190.0	144	1.24	2.35	190.0
	145	0.60	2.66	440.0	146	1.03	3.71	360.0	147	1.03	3.70	360.0
	165	1.05	3.78	360.0	204	0.92	3.32	360.0	205	3.30	3.78	114.5
	207	1.19	2.92	245.5	212	0.87	3.12	360.0	215	1.34	4.36	325.5
	223	1.08	3.89	360.0	231	1.07	2.63	245.5	237	1.02	3.67	360.0
	244	0.08	0.06	80.0	245	0.29	0.35	120.0	246	0.36	0.43	120.0
	247	0.39	0.47	120.0	248	0.30	0.36	120.0	249	0.01	0.01	80.0
	254	1.14	4.12	360.0	267	0.51	2.23	440.0	275	1.93	6.29	325.5
	284	2.09	6.81	325.5	296	0.16	0.13	80.0	304	0.92	3.32	360.0
	310	0.45	0.54	120.0	311	0.98	1.17	120.0	312	1.00	1.20	120.0
	313	0.45	0.53	120.0	314	0.95	1.14	120.0	315	0.99	1.18	120.0
	316	0.15	0.18	120.0	317	0.33	0.39	120.0	318	0.37	0.45	120.0

	319	0.40	0.48	120.0	320	0.34	0.41	120.0	321	0.03	0.01	40.0
	322	0.57	0.68	120.0	323	0.68	0.81	120.0	324	1.17	1.40	120.0
	325	0.56	0.67	120.0	326	0.69	0.83	120.0	327	1.18	1.42	120.0
	328	0.14	0.17	120.0	329	0.35	0.42	120.0	330	0.38	0.45	120.0
	331	0.41	0.49	120.0	332	0.37	0.45	120.0	333	0.17	0.14	80.0
	334	0.45	0.54	120.0	335	0.45	0.54	120.0	336	0.25	0.30	120.0
	337	0.20	0.24	120.0	338	0.24	0.29	120.0	348	0.73	3.21	440.0
	350	0.48	2.11	440.0	356	0.22	0.70	325.5	363	0.41	1.33	325.5
	364	0.72	2.34	325.5	369	0.63	2.05	325.5	375	0.34	0.27	80.0
	376	1.16	1.32	114.5	379	1.36	4.89	360.0	381	0.65	1.61	245.5
	382	0.91	3.28	360.0	383	0.58	2.09	360.0	384	0.57	2.05	360.0
	385	1.67	4.11	245.5	386	0.56	2.01	360.0	390	0.81	2.64	325.5
	392	0.91	1.04	114.5	393	0.87	3.13	360.0	396	0.16	0.13	80.0
	397	0.65	0.78	120.0	398	0.73	0.84	114.5	399	2.25	2.58	114.5
	403	0.93	1.06	114.5	407	0.92	3.32	360.0	408	0.92	3.32	360.0
	421	1.00	1.15	114.5	422	0.95	4.52	474.5	423	0.95	1.08	114.5
	424	0.85	4.01	474.5	425	0.78	2.79	360.0	429	1.09	3.94	360.0
	433	0.70	3.08	440.0	434	1.22	4.40	360.0	435	1.20	4.32	360.0
	436	0.90	3.98	440.0	437	1.46	5.24	360.0	438	1.23	4.44	360.0
	439	0.95	4.18	440.0	440	1.48	5.34	360.0	441	1.20	4.34	360.0
	442	0.24	0.19	80.0	443	1.28	4.61	360.0				
75	1	0.13	0.16	120.0	98	0.80	2.90	360.0	99	0.81	2.93	360.0
	100	0.91	3.26	360.0	101	0.18	0.14	80.0	102	0.51	0.61	120.0
	103	0.12	0.10	80.0	104	0.52	0.63	120.0	105	0.47	0.57	120.0
	106	0.37	1.63	440.0	107	0.68	2.45	360.0	108	0.79	2.83	360.0
	109	0.41	1.80	440.0	110	0.75	2.70	360.0	111	0.94	3.37	360.0
	112	0.51	2.26	440.0	113	0.86	3.10	360.0	114	0.87	3.14	360.0
	115	1.14	3.70	325.5	116	1.17	5.57	474.5	117	1.05	4.97	474.5
	118	1.73	5.62	325.5	119	1.01	2.49	245.5	120	0.76	2.72	360.0
	121	0.41	0.33	80.0	122	0.62	1.52	245.5	123	0.93	3.33	360.0
	124	0.17	0.13	80.0	125	0.94	3.39	360.0	126	1.13	4.08	360.0
	127	1.64	3.11	190.0	129	1.46	2.77	190.0	132	1.59	3.01	190.0
	134	1.07	3.86	360.0	135	0.82	1.56	190.0	137	1.59	3.01	190.0
	138	1.59	3.02	190.0	141	1.25	2.37	190.0	144	1.41	2.68	190.0
	145	0.59	2.58	440.0	146	1.00	3.59	360.0	147	1.11	3.98	360.0
	165	0.63	2.26	360.0	204	1.04	3.74	360.0	205	2.71	3.11	114.5
	207	1.18	2.90	245.5	212	0.53	1.92	360.0	215	1.23	4.00	325.5
	223	0.40	1.45	360.0	231	1.13	2.78	245.5	237	1.09	3.92	360.0
	244	0.06	0.05	80.0	245	0.27	0.33	120.0	246	0.35	0.42	120.0
	247	0.28	0.33	120.0	248	0.22	0.26	120.0	249	0.01	0.01	80.0
	254	1.01	3.63	360.0	267	0.46	2.04	440.0	275	1.09	3.53	325.5
	284	1.69	5.51	325.5	296	0.12	0.09	80.0	304	0.76	2.74	360.0
	310	0.36	0.43	120.0	311	0.79	0.95	120.0	312	0.80	0.96	120.0
	313	0.34	0.41	120.0	314	0.74	0.89	120.0	315	0.76	0.91	120.0
	316	0.13	0.16	120.0	317	0.31	0.38	120.0	318	0.37	0.44	120.0
	319	0.28	0.34	120.0	320	0.24	0.29	120.0	321	0.03	0.01	40.0
	322	0.45	0.54	120.0	323	0.57	0.68	120.0	324	0.99	1.19	120.0
	325	0.43	0.51	120.0	326	0.53	0.63	120.0	327	0.96	1.15	120.0
	328	0.15	0.17	120.0	329	0.34	0.41	120.0	330	0.37	0.45	120.0
	331	0.28	0.34	120.0	332	0.26	0.31	120.0	333	0.12	0.10	80.0
	334	0.37	0.45	120.0	335	0.34	0.41	120.0	336	0.24	0.28	120.0
	337	0.14	0.16	120.0	338	0.17	0.20	120.0	348	1.40	6.17	440.0
	350	0.52	2.30	440.0	356	0.32	1.03	325.5	363	0.65	2.11	325.5
	364	0.72	2.35	325.5	369	0.46	1.49	325.5	375	0.36	0.29	80.0
	376	0.79	0.90	114.5	379	1.60	5.77	360.0	381	0.61	1.49	245.5
	382	0.78	2.81	360.0	383	0.47	1.70	360.0	384	0.50	1.81	360.0
	385	1.49	3.65	245.5	386	0.60	2.17	360.0	390	1.01	3.27	325.5
	392	0.83	0.95	114.5	393	0.88	3.18	360.0	396	0.12	0.10	80.0
	397	0.54	0.64	120.0	398	0.86	0.98	114.5	399	2.07	2.37	114.5
	403	0.96	1.10	114.5	407	0.53	1.91	360.0	408	0.93	3.36	360.0
	421	0.77	0.88	114.5	422	0.99	4.71	474.5	423	0.71	0.82	114.5
	424	0.93	4.43	474.5	425	0.90	3.25	360.0	429	1.15	4.15	360.0
	433	0.72	3.18	440.0	434	1.22	4.38	360.0	435	1.13	4.08	360.0
	436	0.88	3.89	440.0	437	1.39	4.99	360.0	438	1.11	4.00	360.0
	439	0.86	3.81	440.0	440	1.34	4.84	360.0	441	1.08	3.90	360.0
	442	0.17	0.13	80.0	443	1.11	3.98	360.0				
76	1	0.22	0.26	120.0	98	1.01	3.62	360.0	99	1.79	6.45	360.0
	100	1.72	6.20	360.0	101	0.09	0.07	80.0	102	0.75	0.90	120.0
	103	0.21	0.17	80.0	104	0.92	1.10	120.0	105	0.88	1.06	120.0
	106	0.67	2.94	440.0	107	1.24	4.47	360.0	108	1.43	5.14	360.0
	109	0.76	3.36	440.0	110	1.45	5.23	360.0	111	1.73	6.24	360.0
	112	1.03	4.52	440.0	113	1.62	5.85	360.0	114	1.55	5.56	360.0
	115	1.15	3.73	325.5	116	1.88	8.93	474.5	117	1.66	7.88	474.5
	118	0.89	2.91	325.5	119	4.38	10.75	245.5	120	1.22	4.38	360.0
	121	0.19	0.15	80.0	122	3.38	8.30	245.5	123	1.44	5.20	360.0

	124	0.26	0.21	80.0	125	1.68	6.06	360.0	126	1.94	6.99	360.0
	127	2.99	5.67	190.0	129	2.29	4.35	190.0	132	2.88	5.47	190.0
	134	1.66	5.99	360.0	135	1.81	3.43	190.0	137	2.69	5.11	190.0
	138	2.70	5.13	190.0	141	2.26	4.30	190.0	144	2.09	3.97	190.0
	145	1.14	5.00	440.0	146	1.86	6.70	360.0	147	1.82	6.55	360.0
	165	1.61	5.78	360.0	204	1.57	5.67	360.0	205	1.42	1.63	114.5
	207	2.30	5.65	245.5	212	2.74	9.86	360.0	215	0.61	1.99	325.5
	223	3.46	12.46	360.0	231	2.05	5.03	245.5	237	1.76	6.32	360.0
	244	0.04	0.03	80.0	245	0.32	0.38	120.0	246	0.41	0.49	120.0
	247	0.58	0.70	120.0	248	0.45	0.54	120.0	249	0.02	0.02	80.0
	254	1.83	6.60	360.0	267	0.91	3.99	440.0	275	1.03	3.35	325.5
	284	0.73	2.39	325.5	296	0.25	0.20	80.0	304	1.44	5.20	360.0
	310	0.57	0.68	120.0	311	1.27	1.53	120.0	312	1.31	1.57	120.0
	313	0.58	0.70	120.0	314	1.29	1.54	120.0	315	1.35	1.62	120.0
	316	0.07	0.09	120.0	317	0.36	0.44	120.0	318	0.42	0.50	120.0
	319	0.60	0.72	120.0	320	0.51	0.61	120.0	321	0.04	0.02	40.0
	322	0.72	0.87	120.0	323	0.86	1.04	120.0	324	1.61	1.93	120.0
	325	0.74	0.88	120.0	326	0.95	1.14	120.0	327	1.67	2.01	120.0
	328	0.25	0.30	120.0	329	0.40	0.48	120.0	330	0.42	0.51	120.0
	331	0.61	0.73	120.0	332	0.56	0.67	120.0	333	0.26	0.21	80.0
	334	0.55	0.67	120.0	335	0.62	0.74	120.0	336	0.28	0.33	120.0
	337	0.30	0.36	120.0	338	0.36	0.43	120.0	348	1.64	7.24	440.0
	350	0.92	4.04	440.0	356	0.27	0.88	325.5	363	0.76	2.48	325.5
	364	1.46	4.75	325.5	369	1.27	4.15	325.5	375	0.18	0.15	80.0
	376	2.24	2.56	114.5	379	2.79	10.05	360.0	381	1.45	3.56	245.5
	382	1.37	4.94	360.0	383	0.92	3.30	360.0	384	0.65	2.32	360.0
	385	0.98	2.40	245.5	386	1.03	3.72	360.0	390	1.37	4.46	325.5
	392	1.79	2.05	114.5	393	1.91	6.89	360.0	396	0.21	0.17	80.0
	397	0.84	1.00	120.0	398	1.28	1.47	114.5	399	1.30	1.48	114.5
	403	1.58	1.81	114.5	407	1.73	6.22	360.0	408	1.68	6.04	360.0
	421	1.74	1.99	114.5	422	1.86	8.82	474.5	423	1.61	1.84	114.5
	424	1.68	7.95	474.5	425	1.51	5.43	360.0	429	1.97	7.11	360.0
	433	1.23	5.40	440.0	434	2.07	7.44	360.0	435	1.98	7.14	360.0
	436	1.50	6.60	440.0	437	2.34	8.43	360.0	438	1.95	7.02	360.0
	439	1.48	6.53	440.0	440	2.30	8.26	360.0	441	1.91	6.89	360.0
	442	0.30	0.24	80.0	443	1.94	7.00	360.0				
77	1	0.20	0.24	120.0	98	0.96	3.46	360.0	99	1.54	5.54	360.0
	100	1.59	5.74	360.0	101	0.10	0.08	80.0	102	0.70	0.84	120.0
	103	0.20	0.16	80.0	104	0.85	1.02	120.0	105	0.78	0.94	120.0
	106	0.62	2.75	440.0	107	1.14	4.10	360.0	108	1.30	4.69	360.0
	109	0.72	3.17	440.0	110	1.32	4.74	360.0	111	1.62	5.84	360.0
	112	0.99	4.35	440.0	113	1.50	5.39	360.0	114	1.44	5.19	360.0
	115	1.19	3.88	325.5	116	1.90	9.04	474.5	117	1.70	8.08	474.5
	118	0.94	3.05	325.5	119	4.33	10.63	245.5	120	1.14	4.10	360.0
	121	0.20	0.16	80.0	122	3.32	8.16	245.5	123	1.35	4.87	360.0
	124	0.27	0.21	80.0	125	1.55	5.57	360.0	126	1.85	6.66	360.0
	127	2.79	5.31	190.0	129	2.20	4.18	190.0	132	2.82	5.35	190.0
	134	1.82	6.55	360.0	135	1.79	3.40	190.0	137	2.77	5.26	190.0
	138	2.66	5.05	190.0	141	2.16	4.10	190.0	144	2.09	3.96	190.0
	145	1.10	4.85	440.0	146	1.75	6.30	360.0	147	1.74	6.25	360.0
	165	1.16	4.17	360.0	204	1.51	5.43	360.0	205	1.25	1.43	114.5
	207	2.27	5.56	245.5	212	2.53	9.12	360.0	215	0.61	1.98	325.5
	223	3.32	11.95	360.0	231	2.01	4.94	245.5	237	1.67	6.02	360.0
	244	0.02	0.02	80.0	245	0.30	0.36	120.0	246	0.39	0.47	120.0
	247	0.50	0.60	120.0	248	0.39	0.46	120.0	249	0.02	0.02	80.0
	254	1.71	6.16	360.0	267	0.87	3.81	440.0	275	1.02	3.33	325.5
	284	0.72	2.33	325.5	296	0.23	0.18	80.0	304	1.36	4.91	360.0
	310	0.54	0.65	120.0	311	1.21	1.45	120.0	312	1.21	1.45	120.0
	313	0.55	0.66	120.0	314	1.20	1.44	120.0	315	1.23	1.48	120.0
	316	0.06	0.07	120.0	317	0.35	0.42	120.0	318	0.41	0.49	120.0
	319	0.51	0.61	120.0	320	0.43	0.52	120.0	321	0.04	0.02	40.0
	322	0.69	0.83	120.0	323	0.81	0.98	120.0	324	1.51	1.81	120.0
	325	0.70	0.84	120.0	326	0.87	1.04	120.0	327	1.54	1.85	120.0
	328	0.24	0.29	120.0	329	0.38	0.46	120.0	330	0.41	0.49	120.0
	331	0.51	0.62	120.0	332	0.47	0.57	120.0	333	0.22	0.18	80.0
	334	0.53	0.64	120.0	335	0.57	0.69	120.0	336	0.26	0.31	120.0
	337	0.25	0.30	120.0	338	0.31	0.37	120.0	348	1.59	7.02	440.0
	350	0.89	3.90	440.0	356	0.27	0.89	325.5	363	0.86	2.81	325.5
	364	1.49	4.85	325.5	369	1.25	4.06	325.5	375	0.18	0.14	80.0
	376	2.09	2.40	114.5	379	2.45	8.81	360.0	381	1.40	3.43	245.5
	382	1.33	4.79	360.0	383	0.88	3.15	360.0	384	0.62	2.23	360.0
	385	0.92	2.26	245.5	386	0.99	3.55	360.0	390	1.21	3.93	325.5
	392	1.74	1.99	114.5	393	1.73	6.22	360.0	396	0.20	0.16	80.0
	397	0.79	0.95	120.0	398	1.05	1.20	114.5	399	1.25	1.43	114.5
	403	1.39	1.59	114.5	407	1.08	3.88	360.0	408	1.57	5.64	360.0

	421	1.45	1.66	114.5	422	1.98	9.37	474.5	423	1.30	1.49	114.5
	424	1.82	8.66	474.5	425	2.04	7.33	360.0	429	1.89	6.80	360.0
	433	1.19	5.24	440.0	434	1.98	7.13	360.0	435	1.88	6.77	360.0
	436	1.46	6.44	440.0	437	2.26	8.14	360.0	438	1.84	6.61	360.0
	439	1.45	6.38	440.0	440	2.22	7.97	360.0	441	1.79	6.46	360.0
	442	0.30	0.24	80.0	443	1.86	6.70	360.0				
78	1	0.14	0.17	120.0	98	0.81	2.91	360.0	99	0.81	2.92	360.0
	100	1.03	3.72	360.0	101	0.17	0.14	80.0	102	0.53	0.63	120.0
	103	0.13	0.11	80.0	104	0.59	0.70	120.0	105	0.56	0.68	120.0
	106	0.41	1.82	440.0	107	0.78	2.81	360.0	108	0.91	3.26	360.0
	109	0.45	1.99	440.0	110	0.88	3.17	360.0	111	1.05	3.77	360.0
	112	0.55	2.42	440.0	113	0.98	3.54	360.0	114	0.98	3.53	360.0
	115	1.11	3.63	325.5	116	1.17	5.54	474.5	117	1.04	4.92	474.5
	118	1.73	5.62	325.5	119	0.99	2.44	245.5	120	0.85	3.06	360.0
	121	0.41	0.33	80.0	122	0.64	1.56	245.5	123	1.01	3.63	360.0
	124	0.16	0.13	80.0	125	1.07	3.86	360.0	126	1.22	4.40	360.0
	127	1.83	3.47	190.0	129	1.52	2.89	190.0	132	1.64	3.11	190.0
	134	0.95	3.42	360.0	135	0.85	1.62	190.0	137	1.51	2.86	190.0
	138	1.64	3.12	190.0	141	1.36	2.58	190.0	144	1.42	2.70	190.0
	145	0.62	2.73	440.0	146	1.11	3.99	360.0	147	1.18	4.26	360.0
	165	1.03	3.70	360.0	204	1.11	4.01	360.0	205	2.79	3.19	114.5
	207	1.20	2.94	245.5	212	0.80	2.87	360.0	215	1.22	3.98	325.5
	223	0.71	2.57	360.0	231	1.15	2.82	245.5	237	1.17	4.22	360.0
	244	0.07	0.06	80.0	245	0.26	0.31	120.0	246	0.32	0.38	120.0
	247	0.35	0.42	120.0	248	0.27	0.32	120.0	249	0.01	0.01	80.0
	254	1.13	4.06	360.0	267	0.51	2.22	440.0	275	1.09	3.55	325.5
	284	1.71	5.57	325.5	296	0.14	0.12	80.0	304	0.84	3.03	360.0
	310	0.37	0.44	120.0	311	0.84	1.01	120.0	312	0.88	1.05	120.0
	313	0.37	0.44	120.0	314	0.83	0.99	120.0	315	0.88	1.05	120.0
	316	0.14	0.16	120.0	317	0.29	0.35	120.0	318	0.33	0.40	120.0
	319	0.36	0.44	120.0	320	0.31	0.37	120.0	321	0.03	0.01	40.0
	322	0.47	0.57	120.0	323	0.59	0.71	120.0	324	1.07	1.29	120.0
	325	0.46	0.56	120.0	326	0.61	0.73	120.0	327	1.09	1.30	120.0
	328	0.13	0.15	120.0	329	0.31	0.37	120.0	330	0.33	0.40	120.0
	331	0.37	0.44	120.0	332	0.34	0.41	120.0	333	0.16	0.12	80.0
	334	0.38	0.46	120.0	335	0.39	0.46	120.0	336	0.22	0.26	120.0
	337	0.18	0.21	120.0	338	0.22	0.26	120.0	348	1.45	6.38	440.0
	350	0.55	2.43	440.0	356	0.31	1.02	325.5	363	0.55	1.80	325.5
	364	0.66	2.16	325.5	369	0.48	1.57	325.5	375	0.36	0.29	80.0
	376	0.98	1.13	114.5	379	2.02	7.28	360.0	381	0.66	1.62	245.5
	382	0.82	2.95	360.0	383	0.51	1.85	360.0	384	0.51	1.82	360.0
	385	1.52	3.74	245.5	386	0.65	2.33	360.0	390	1.20	3.91	325.5
	392	0.88	1.00	114.5	393	1.11	3.98	360.0	396	0.13	0.10	80.0
	397	0.56	0.67	120.0	398	1.03	1.18	114.5	399	2.11	2.42	114.5
	403	1.13	1.29	114.5	407	1.28	4.62	360.0	408	1.05	3.76	360.0
	421	1.09	1.24	114.5	422	0.90	4.25	474.5	423	1.04	1.19	114.5
	424	0.82	3.87	474.5	425	0.68	2.44	360.0	429	1.23	4.43	360.0
	433	0.76	3.34	440.0	434	1.30	4.69	360.0	435	1.23	4.44	360.0
	436	0.92	4.04	440.0	437	1.46	5.27	360.0	438	1.22	4.40	360.0
	439	0.90	3.95	440.0	440	1.42	5.12	360.0	441	1.20	4.31	360.0
	442	0.17	0.14	80.0	443	1.19	4.27	360.0				
79	1	0.13	0.15	120.0	98	0.77	2.77	360.0	99	0.73	2.64	360.0
	100	0.93	3.33	360.0	101	0.12	0.09	80.0	102	0.49	0.59	120.0
	103	0.12	0.10	80.0	104	0.51	0.61	120.0	105	0.46	0.55	120.0
	106	0.36	1.56	440.0	107	0.65	2.35	360.0	108	0.76	2.75	360.0
	109	0.39	1.70	440.0	110	0.71	2.56	360.0	111	0.90	3.23	360.0
	112	0.53	2.34	440.0	113	0.85	3.08	360.0	114	0.82	2.95	360.0
	115	1.13	3.67	325.5	116	1.09	5.18	474.5	117	0.94	4.46	474.5
	118	1.65	5.36	325.5	119	0.72	1.78	245.5	120	0.67	2.41	360.0
	121	0.41	0.32	80.0	122	0.55	1.34	245.5	123	0.87	3.13	360.0
	124	0.16	0.13	80.0	125	0.92	3.31	360.0	126	1.11	4.01	360.0
	127	1.63	3.09	190.0	129	1.43	2.71	190.0	132	1.57	2.97	190.0
	134	1.05	3.79	360.0	135	0.82	1.55	190.0	137	1.58	3.00	190.0
	138	1.60	3.03	190.0	141	1.26	2.40	190.0	144	1.36	2.59	190.0
	145	0.63	2.77	440.0	146	1.03	3.72	360.0	147	1.10	3.97	360.0
	165	0.59	2.11	360.0	204	1.00	3.60	360.0	205	2.61	2.99	114.5
	207	1.24	3.04	245.5	212	0.63	2.28	360.0	215	1.21	3.92	325.5
	223	0.53	1.91	360.0	231	1.14	2.79	245.5	237	1.06	3.81	360.0
	244	0.06	0.05	80.0	245	0.26	0.32	120.0	246	0.34	0.41	120.0
	247	0.27	0.32	120.0	248	0.21	0.25	120.0	249	0.01	0.01	80.0
	254	1.03	3.72	360.0	267	0.40	1.75	440.0	275	1.08	3.53	325.5
	284	1.62	5.27	325.5	296	0.12	0.10	80.0	304	0.78	2.82	360.0
	310	0.35	0.41	120.0	311	0.77	0.92	120.0	312	0.78	0.94	120.0
	313	0.33	0.40	120.0	314	0.72	0.87	120.0	315	0.74	0.89	120.0
	316	0.13	0.15	120.0	317	0.30	0.37	120.0	318	0.35	0.43	120.0

	319	0.27	0.33	120.0	320	0.23	0.28	120.0	321	0.03	0.01	40.0
	322	0.44	0.52	120.0	323	0.55	0.66	120.0	324	0.96	1.16	120.0
	325	0.42	0.50	120.0	326	0.51	0.62	120.0	327	0.94	1.12	120.0
	328	0.14	0.17	120.0	329	0.33	0.40	120.0	330	0.36	0.44	120.0
	331	0.28	0.33	120.0	332	0.25	0.31	120.0	333	0.12	0.10	80.0
	334	0.36	0.43	120.0	335	0.34	0.40	120.0	336	0.23	0.27	120.0
	337	0.13	0.16	120.0	338	0.16	0.20	120.0	348	1.38	6.09	440.0
	350	0.54	2.37	440.0	356	0.22	0.72	325.5	363	0.60	1.97	325.5
	364	0.79	2.58	325.5	369	0.56	1.83	325.5	375	0.35	0.28	80.0
	376	0.94	1.08	114.5	379	1.63	5.86	360.0	381	0.64	1.57	245.5
	382	0.79	2.83	360.0	383	0.49	1.77	360.0	384	0.49	1.76	360.0
	385	1.44	3.54	245.5	386	0.59	2.11	360.0	390	1.02	3.32	325.5
	392	0.87	1.00	114.5	393	0.88	3.18	360.0	396	0.12	0.09	80.0
	397	0.52	0.63	120.0	398	0.82	0.94	114.5	399	2.02	2.31	114.5
	403	0.94	1.07	114.5	407	0.57	2.05	360.0	408	0.96	3.46	360.0
	421	0.75	0.86	114.5	422	0.94	4.46	474.5	423	0.69	0.79	114.5
	424	0.87	4.12	474.5	425	0.93	3.34	360.0	429	1.18	4.24	360.0
	433	0.74	3.26	440.0	434	1.24	4.48	360.0	435	1.16	4.19	360.0
	436	0.89	3.94	440.0	437	1.41	5.07	360.0	438	1.14	4.11	360.0
	439	0.87	3.82	440.0	440	1.36	4.90	360.0	441	1.11	4.01	360.0
	442	0.17	0.14	80.0	443	1.12	4.03	360.0				
80	1	0.22	0.26	120.0	98	1.03	3.70	360.0	99	1.69	6.10	360.0
	100	1.70	6.12	360.0	101	0.16	0.13	80.0	102	0.76	0.91	120.0
	103	0.21	0.17	80.0	104	0.93	1.12	120.0	105	0.90	1.07	120.0
	106	0.68	3.01	440.0	107	1.27	4.57	360.0	108	1.45	5.23	360.0
	109	0.79	3.46	440.0	110	1.49	5.38	360.0	111	1.77	6.38	360.0
	112	1.01	4.45	440.0	113	1.64	5.90	360.0	114	1.60	5.76	360.0
	115	1.16	3.78	325.5	116	1.97	9.34	474.5	117	1.75	8.31	474.5
	118	0.97	3.16	325.5	119	4.06	9.97	245.5	120	1.26	4.53	360.0
	121	0.20	0.16	80.0	122	3.26	7.99	245.5	123	1.50	5.39	360.0
	124	0.26	0.21	80.0	125	1.71	6.16	360.0	126	1.97	7.07	360.0
	127	2.99	5.69	190.0	129	2.31	4.39	190.0	132	2.90	5.50	190.0
	134	1.68	6.06	360.0	135	1.81	3.44	190.0	137	2.69	5.12	190.0
	138	2.69	5.12	190.0	141	2.25	4.27	190.0	144	2.13	4.05	190.0
	145	1.09	4.78	440.0	146	1.82	6.54	360.0	147	1.82	6.56	360.0
	165	1.69	6.08	360.0	204	1.62	5.82	360.0	205	1.52	1.74	114.5
	207	2.23	5.47	245.5	212	2.69	9.69	360.0	215	0.65	2.11	325.5
	223	3.31	11.90	360.0	231	2.04	5.01	245.5	237	1.79	6.46	360.0
	244	0.04	0.03	80.0	245	0.32	0.39	120.0	246	0.41	0.49	120.0
	247	0.59	0.71	120.0	248	0.45	0.54	120.0	249	0.02	0.02	80.0
	254	1.80	6.49	360.0	267	0.99	4.33	440.0	275	1.03	3.35	325.5
	284	0.81	2.63	325.5	296	0.25	0.20	80.0	304	1.42	5.10	360.0
	310	0.58	0.69	120.0	311	1.29	1.55	120.0	312	1.33	1.59	120.0
	313	0.59	0.71	120.0	314	1.31	1.57	120.0	315	1.37	1.65	120.0
	316	0.07	0.09	120.0	317	0.37	0.44	120.0	318	0.43	0.51	120.0
	319	0.61	0.73	120.0	320	0.51	0.62	120.0	321	0.04	0.02	40.0
	322	0.74	0.88	120.0	323	0.88	1.05	120.0	324	1.63	1.96	120.0
	325	0.75	0.90	120.0	326	0.96	1.16	120.0	327	1.69	2.03	120.0
	328	0.26	0.31	120.0	329	0.40	0.48	120.0	330	0.43	0.52	120.0
	331	0.62	0.74	120.0	332	0.56	0.68	120.0	333	0.26	0.21	80.0
	334	0.56	0.68	120.0	335	0.63	0.75	120.0	336	0.28	0.33	120.0
	337	0.30	0.36	120.0	338	0.37	0.44	120.0	348	1.66	7.29	440.0
	350	0.90	3.95	440.0	356	0.18	0.57	325.5	363	0.73	2.39	325.5
	364	1.37	4.45	325.5	369	1.17	3.80	325.5	375	0.19	0.15	80.0
	376	2.09	2.39	114.5	379	2.74	9.86	360.0	381	1.40	3.45	245.5
	382	1.36	4.91	360.0	383	0.89	3.21	360.0	384	0.64	2.32	360.0
	385	1.03	2.54	245.5	386	1.05	3.79	360.0	390	1.35	4.39	325.5
	392	1.75	2.00	114.5	393	1.91	6.87	360.0	396	0.21	0.17	80.0
	397	0.85	1.02	120.0	398	1.32	1.52	114.5	399	1.35	1.55	114.5
	403	1.61	1.85	114.5	407	1.72	6.18	360.0	408	1.65	5.93	360.0
	421	1.76	2.02	114.5	422	1.91	9.08	474.5	423	1.64	1.87	114.5
	424	1.74	8.26	474.5	425	1.47	5.30	360.0	429	1.94	7.00	360.0
	433	1.21	5.31	440.0	434	2.04	7.33	360.0	435	1.95	7.02	360.0
	436	1.49	6.54	440.0	437	2.31	8.33	360.0	438	1.91	6.89	360.0
	439	1.48	6.50	440.0	440	2.28	8.19	360.0	441	1.88	6.76	360.0
	442	0.30	0.24	80.0	443	1.93	6.94	360.0				
81	1	0.20	0.24	120.0	98	0.99	3.55	360.0	99	1.45	5.22	360.0
	100	1.57	5.66	360.0	101	0.17	0.13	80.0	102	0.71	0.85	120.0
	103	0.20	0.16	80.0	104	0.87	1.04	120.0	105	0.80	0.96	120.0
	106	0.64	2.82	440.0	107	1.17	4.20	360.0	108	1.33	4.78	360.0
	109	0.74	3.27	440.0	110	1.35	4.88	360.0	111	1.66	5.98	360.0
	112	0.97	4.28	440.0	113	1.51	5.44	360.0	114	1.50	5.38	360.0
	115	1.21	3.93	325.5	116	1.99	9.44	474.5	117	1.79	8.49	474.5
	118	1.01	3.29	325.5	119	4.01	9.85	245.5	120	1.18	4.24	360.0
	121	0.20	0.16	80.0	122	3.20	7.85	245.5	123	1.41	5.06	360.0

	124	0.27	0.22	80.0	125	1.57	5.66	360.0	126	1.87	6.75	360.0
	127	2.80	5.32	190.0	129	2.23	4.23	190.0	132	2.84	5.39	190.0
	134	1.84	6.62	360.0	135	1.79	3.40	190.0	137	2.77	5.27	190.0
	138	2.65	5.04	190.0	141	2.14	4.06	190.0	144	2.13	4.04	190.0
	145	1.05	4.64	440.0	146	1.71	6.15	360.0	147	1.74	6.26	360.0
	165	1.23	4.42	360.0	204	1.55	5.57	360.0	205	1.36	1.55	114.5
	207	2.20	5.39	245.5	212	2.49	8.95	360.0	215	0.63	2.06	325.5
	223	3.15	11.33	360.0	231	2.00	4.92	245.5	237	1.71	6.15	360.0
	244	0.03	0.02	80.0	245	0.31	0.37	120.0	246	0.40	0.48	120.0
	247	0.50	0.61	120.0	248	0.39	0.47	120.0	249	0.02	0.02	80.0
	254	1.68	6.05	360.0	267	0.94	4.15	440.0	275	1.02	3.34	325.5
	284	0.79	2.57	325.5	296	0.22	0.18	80.0	304	1.34	4.81	360.0
	310	0.55	0.66	120.0	311	1.23	1.47	120.0	312	1.23	1.48	120.0
	313	0.56	0.67	120.0	314	1.22	1.46	120.0	315	1.25	1.50	120.0
	316	0.06	0.08	120.0	317	0.36	0.43	120.0	318	0.41	0.50	120.0
	319	0.52	0.62	120.0	320	0.44	0.53	120.0	321	0.04	0.02	40.0
	322	0.71	0.85	120.0	323	0.83	0.99	120.0	324	1.53	1.84	120.0
	325	0.71	0.85	120.0	326	0.88	1.06	120.0	327	1.56	1.88	120.0
	328	0.24	0.29	120.0	329	0.39	0.47	120.0	330	0.42	0.50	120.0
	331	0.52	0.63	120.0	332	0.48	0.58	120.0	333	0.23	0.18	80.0
	334	0.54	0.65	120.0	335	0.58	0.70	120.0	336	0.27	0.32	120.0
	337	0.26	0.31	120.0	338	0.31	0.37	120.0	348	1.61	7.07	440.0
	350	0.87	3.81	440.0	356	0.18	0.58	325.5	363	0.84	2.74	325.5
	364	1.40	4.57	325.5	369	1.14	3.71	325.5	375	0.19	0.15	80.0
	376	1.94	2.22	114.5	379	2.39	8.59	360.0	381	1.35	3.32	245.5
	382	1.32	4.76	360.0	383	0.85	3.07	360.0	384	0.62	2.23	360.0
	385	0.97	2.39	245.5	386	1.00	3.61	360.0	390	1.18	3.85	325.5
	392	1.70	1.94	114.5	393	1.72	6.18	360.0	396	0.20	0.16	80.0
	397	0.81	0.97	120.0	398	1.09	1.25	114.5	399	1.30	1.49	114.5
	403	1.42	1.62	114.5	407	1.04	3.75	360.0	408	1.54	5.53	360.0
	421	1.47	1.69	114.5	422	2.03	9.62	474.5	423	1.34	1.53	114.5
	424	1.88	8.93	474.5	425	2.02	7.26	360.0	429	1.86	6.70	360.0
	433	1.17	5.15	440.0	434	1.95	7.02	360.0	435	1.85	6.65	360.0
	436	1.45	6.39	440.0	437	2.24	8.05	360.0	438	1.80	6.48	360.0
	439	1.44	6.35	440.0	440	2.20	7.91	360.0	441	1.76	6.34	360.0
	442	0.30	0.24	80.0	443	1.84	6.64	360.0				
82	1	0.14	0.17	120.0	98	0.77	2.79	360.0	99	0.78	2.82	360.0
	100	1.05	3.79	360.0	101	0.11	0.09	80.0	102	0.51	0.61	120.0
	103	0.13	0.10	80.0	104	0.57	0.69	120.0	105	0.55	0.66	120.0
	106	0.40	1.74	440.0	107	0.75	2.71	360.0	108	0.88	3.18	360.0
	109	0.43	1.89	440.0	110	0.84	3.03	360.0	111	1.01	3.64	360.0
	112	0.57	2.50	440.0	113	0.97	3.50	360.0	114	0.92	3.33	360.0
	115	1.11	3.61	325.5	116	1.09	5.16	474.5	117	0.93	4.40	474.5
	118	1.65	5.37	325.5	119	0.72	1.76	245.5	120	0.76	2.75	360.0
	121	0.40	0.32	80.0	122	0.58	1.41	245.5	123	0.95	3.43	360.0
	124	0.15	0.12	80.0	125	1.05	3.78	360.0	126	1.20	4.32	360.0
	127	1.82	3.46	190.0	129	1.49	2.83	190.0	132	1.62	3.07	190.0
	134	0.93	3.35	360.0	135	0.84	1.60	190.0	137	1.50	2.85	190.0
	138	1.64	3.12	190.0	141	1.37	2.61	190.0	144	1.37	2.60	190.0
	145	0.66	2.92	440.0	146	1.15	4.13	360.0	147	1.18	4.25	360.0
	165	0.95	3.41	360.0	204	1.07	3.84	360.0	205	2.68	3.07	114.5
	207	1.26	3.08	245.5	212	0.78	2.81	360.0	215	1.19	3.89	325.5
	223	0.75	2.71	360.0	231	1.16	2.84	245.5	237	1.14	4.09	360.0
	244	0.07	0.06	80.0	245	0.25	0.30	120.0	246	0.31	0.37	120.0
	247	0.35	0.41	120.0	248	0.26	0.32	120.0	249	0.01	9.87e-03	80.0
	254	1.16	4.16	360.0	267	0.44	1.93	440.0	275	1.09	3.54	325.5
	284	1.64	5.33	325.5	296	0.15	0.12	80.0	304	0.86	3.11	360.0
	310	0.36	0.43	120.0	311	0.82	0.99	120.0	312	0.86	1.03	120.0
	313	0.36	0.43	120.0	314	0.81	0.97	120.0	315	0.86	1.03	120.0
	316	0.13	0.16	120.0	317	0.28	0.34	120.0	318	0.32	0.38	120.0
	319	0.36	0.43	120.0	320	0.30	0.36	120.0	321	0.02	9.87e-03	40.0
	322	0.46	0.55	120.0	323	0.58	0.69	120.0	324	1.05	1.26	120.0
	325	0.45	0.54	120.0	326	0.59	0.71	120.0	327	1.06	1.28	120.0
	328	0.12	0.15	120.0	329	0.30	0.36	120.0	330	0.32	0.39	120.0
	331	0.36	0.44	120.0	332	0.33	0.40	120.0	333	0.15	0.12	80.0
	334	0.37	0.44	120.0	335	0.38	0.45	120.0	336	0.21	0.26	120.0
	337	0.18	0.21	120.0	338	0.21	0.26	120.0	348	1.43	6.30	440.0
	350	0.57	2.51	440.0	356	0.22	0.71	325.5	363	0.50	1.63	325.5
	364	0.74	2.42	325.5	369	0.59	1.91	325.5	375	0.35	0.28	80.0
	376	1.12	1.28	114.5	379	2.04	7.34	360.0	381	0.69	1.70	245.5
	382	0.83	2.98	360.0	383	0.53	1.92	360.0	384	0.49	1.78	360.0
	385	1.47	3.62	245.5	386	0.63	2.27	360.0	390	1.21	3.94	325.5
	392	0.92	1.05	114.5	393	1.10	3.96	360.0	396	0.13	0.10	80.0
	397	0.55	0.66	120.0	398	0.99	1.14	114.5	399	2.06	2.36	114.5
	403	1.10	1.26	114.5	407	1.28	4.62	360.0	408	1.07	3.86	360.0

	421	1.07	1.22	114.5	422	0.84	3.97	474.5	423	1.02	1.17	114.5
	424	0.73	3.48	474.5	425	0.73	2.63	360.0	429	1.26	4.53	360.0
	433	0.78	3.42	440.0	434	1.33	4.78	360.0	435	1.26	4.55	360.0
	436	0.93	4.09	440.0	437	1.49	5.35	360.0	438	1.25	4.52	360.0
	439	0.90	3.96	440.0	440	1.44	5.18	360.0	441	1.23	4.43	360.0
	442	0.17	0.14	80.0	443	1.20	4.33	360.0				
83	1	0.07	0.09	120.0	98	0.67	2.41	360.0	99	0.38	1.36	360.0
	100	0.76	2.73	360.0	101	0.17	0.14	80.0	102	0.39	0.47	120.0
	103	0.07	0.06	80.0	104	0.32	0.38	120.0	105	0.34	0.40	120.0
	106	0.24	1.07	440.0	107	0.46	1.65	360.0	108	0.53	1.89	360.0
	109	0.32	1.41	440.0	110	0.61	2.21	360.0	111	0.70	2.53	360.0
	112	0.47	2.09	440.0	113	0.67	2.40	360.0	114	0.62	2.25	360.0
	115	0.64	2.08	325.5	116	0.80	3.81	474.5	117	0.93	4.40	474.5
	118	1.89	6.14	325.5	119	0.96	2.36	245.5	120	0.85	3.07	360.0
	121	0.39	0.31	80.0	122	0.68	1.68	245.5	123	0.59	2.14	360.0
	124	0.09	0.07	80.0	125	0.67	2.41	360.0	126	0.75	2.71	360.0
	127	1.25	2.38	190.0	129	0.92	1.74	190.0	132	1.36	2.59	190.0
	134	0.62	2.22	360.0	135	1.12	2.13	190.0	137	1.26	2.40	190.0
	138	1.12	2.12	190.0	141	1.01	1.93	190.0	144	0.65	1.23	190.0
	145	0.61	2.69	440.0	146	0.87	3.13	360.0	147	0.65	2.34	360.0
	165	0.82	2.96	360.0	204	0.47	1.70	360.0	205	2.89	3.31	114.5
	207	1.32	3.24	245.5	212	0.58	2.10	360.0	215	1.19	3.86	325.5
	223	0.77	2.79	360.0	231	1.03	2.54	245.5	237	0.56	2.02	360.0
	244	0.06	0.05	80.0	245	0.27	0.33	120.0	246	0.34	0.41	120.0
	247	0.27	0.32	120.0	248	0.21	0.25	120.0	249	6.92e-03	5.54e-03	80.0
	254	0.77	2.79	360.0	267	0.44	1.92	440.0	275	0.60	1.94	325.5
	284	1.87	6.10	325.5	296	0.13	0.10	80.0	304	0.66	2.38	360.0
	310	0.22	0.26	120.0	311	0.48	0.58	120.0	312	0.51	0.62	120.0
	313	0.19	0.22	120.0	314	0.43	0.51	120.0	315	0.47	0.56	120.0
	316	0.14	0.17	120.0	317	0.31	0.37	120.0	318	0.35	0.42	120.0
	319	0.28	0.34	120.0	320	0.24	0.29	120.0	321	0.01	5.54e-03	40.0
	322	0.28	0.34	120.0	323	0.40	0.48	120.0	324	0.61	0.73	120.0
	325	0.25	0.30	120.0	326	0.35	0.41	120.0	327	0.57	0.68	120.0
	328	0.17	0.21	120.0	329	0.33	0.40	120.0	330	0.36	0.44	120.0
	331	0.29	0.34	120.0	332	0.26	0.31	120.0	333	0.12	0.09	80.0
	334	0.27	0.33	120.0	335	0.23	0.27	120.0	336	0.24	0.28	120.0
	337	0.15	0.17	120.0	338	0.17	0.21	120.0	348	0.36	1.57	440.0
	350	0.42	1.85	440.0	356	0.88	2.86	325.5	363	0.90	2.92	325.5
	364	0.96	3.11	325.5	369	0.94	3.06	325.5	375	0.35	0.28	80.0
	376	1.57	1.80	114.5	379	1.35	4.88	360.0	381	0.78	1.92	245.5
	382	0.55	1.98	360.0	383	0.45	1.62	360.0	384	0.47	1.67	360.0
	385	1.47	3.61	245.5	386	0.41	1.48	360.0	390	0.64	2.09	325.5
	392	1.09	1.25	114.5	393	1.02	3.66	360.0	396	0.08	0.06	80.0
	397	0.36	0.43	120.0	398	0.46	0.53	114.5	399	1.91	2.19	114.5
	403	0.55	0.63	114.5	407	0.88	3.17	360.0	408	0.72	2.60	360.0
	421	0.82	0.94	114.5	422	0.98	4.66	474.5	423	0.73	0.83	114.5
	424	0.90	4.25	474.5	425	0.96	3.46	360.0	429	0.81	2.93	360.0
	433	0.50	2.21	440.0	434	0.81	2.92	360.0	435	0.81	2.92	360.0
	436	0.59	2.60	440.0	437	0.89	3.19	360.0	438	0.79	2.83	360.0
	439	0.58	2.56	440.0	440	0.87	3.15	360.0	441	0.78	2.81	360.0
	442	0.20	0.16	80.0	443	0.78	2.80	360.0				
84	1	0.16	0.19	120.0	98	0.89	3.21	360.0	99	1.29	4.64	360.0
	100	1.45	5.22	360.0	101	0.09	0.07	80.0	102	0.63	0.76	120.0
	103	0.17	0.14	80.0	104	0.75	0.90	120.0	105	0.73	0.87	120.0
	106	0.56	2.45	440.0	107	1.02	3.68	360.0	108	1.16	4.19	360.0
	109	0.66	2.92	440.0	110	1.24	4.47	360.0	111	1.47	5.28	360.0
	112	0.97	4.26	440.0	113	1.38	4.95	360.0	114	1.25	4.49	360.0
	115	0.63	2.04	325.5	116	1.56	7.38	474.5	117	1.64	7.77	474.5
	118	1.09	3.56	325.5	119	4.06	9.96	245.5	120	1.41	5.08	360.0
	121	0.26	0.21	80.0	122	2.97	7.28	245.5	123	1.11	4.01	360.0
	124	0.20	0.16	80.0	125	1.32	4.74	360.0	126	1.52	5.46	360.0
	127	2.42	4.59	190.0	129	1.80	3.42	190.0	132	2.57	4.88	190.0
	134	1.42	5.11	360.0	135	1.87	3.56	190.0	137	2.36	4.48	190.0
	138	2.12	4.03	190.0	141	1.84	3.50	190.0	144	1.46	2.77	190.0
	145	1.03	4.52	440.0	146	1.56	5.60	360.0	147	1.34	4.82	360.0
	165	1.41	5.09	360.0	204	1.05	3.79	360.0	205	1.58	1.81	114.5
	207	2.17	5.33	245.5	212	2.34	8.41	360.0	215	0.67	2.19	325.5
	223	3.31	11.92	360.0	231	1.80	4.43	245.5	237	1.26	4.53	360.0
	244	0.04	0.03	80.0	245	0.31	0.38	120.0	246	0.39	0.47	120.0
	247	0.51	0.61	120.0	248	0.39	0.47	120.0	249	0.02	0.01	80.0
	254	1.49	5.37	360.0	267	0.82	3.60	440.0	275	0.42	1.36	325.5
	284	0.99	3.22	325.5	296	0.23	0.18	80.0	304	1.25	4.48	360.0
	310	0.47	0.56	120.0	311	1.03	1.23	120.0	312	1.05	1.26	120.0
	313	0.48	0.57	120.0	314	1.04	1.24	120.0	315	1.08	1.30	120.0
	316	0.09	0.11	120.0	317	0.35	0.42	120.0	318	0.41	0.49	120.0

	319	0.53	0.63	120.0	320	0.45	0.54	120.0	321	0.03	0.01	40.0
	322	0.60	0.72	120.0	323	0.71	0.86	120.0	324	1.27	1.53	120.0
	325	0.61	0.73	120.0	326	0.78	0.93	120.0	327	1.32	1.58	120.0
	328	0.28	0.34	120.0	329	0.38	0.46	120.0	330	0.41	0.50	120.0
	331	0.53	0.64	120.0	332	0.49	0.58	120.0	333	0.22	0.18	80.0
	334	0.47	0.57	120.0	335	0.51	0.62	120.0	336	0.27	0.33	120.0
	337	0.27	0.32	120.0	338	0.32	0.39	120.0	348	0.68	3.01	440.0
	350	0.74	3.27	440.0	356	0.87	2.83	325.5	363	0.98	3.20	325.5
	364	1.49	4.86	325.5	369	1.42	4.62	325.5	375	0.21	0.17	80.0
	376	2.40	2.74	114.5	379	2.17	7.83	360.0	381	1.38	3.40	245.5
	382	1.16	4.19	360.0	383	0.82	2.94	360.0	384	0.61	2.19	360.0
	385	0.93	2.29	245.5	386	0.81	2.91	360.0	390	0.96	3.12	325.5
	392	1.77	2.03	114.5	393	1.72	6.21	360.0	396	0.18	0.14	80.0
	397	0.69	0.83	120.0	398	0.82	0.93	114.5	399	1.13	1.29	114.5
	403	1.10	1.26	114.5	407	1.31	4.73	360.0	408	1.32	4.77	360.0
	421	1.47	1.68	114.5	422	1.80	8.54	474.5	423	1.32	1.51	114.5
	424	1.63	7.74	474.5	425	1.79	6.44	360.0	429	1.54	5.53	360.0
	433	0.96	4.24	440.0	434	1.60	5.77	360.0	435	1.58	5.67	360.0
	436	1.20	5.27	440.0	437	1.84	6.61	360.0	438	1.55	5.59	360.0
	439	1.22	5.35	440.0	440	1.84	6.62	360.0	441	1.53	5.50	360.0
	442	0.24	0.19	80.0	443	1.60	5.75	360.0				
85	1	0.15	0.18	120.0	98	0.81	2.93	360.0	99	1.16	4.19	360.0
	100	1.32	4.76	360.0	101	0.08	0.07	80.0	102	0.55	0.66	120.0
	103	0.16	0.13	80.0	104	0.68	0.81	120.0	105	0.62	0.75	120.0
	106	0.51	2.26	440.0	107	0.92	3.30	360.0	108	1.04	3.73	360.0
	109	0.62	2.72	440.0	110	1.10	3.96	360.0	111	1.36	4.88	360.0
	112	0.93	4.10	440.0	113	1.25	4.48	360.0	114	1.15	4.14	360.0
	115	0.70	2.29	325.5	116	1.60	7.57	474.5	117	1.70	8.07	474.5
	118	1.15	3.75	325.5	119	3.93	9.64	245.5	120	1.38	4.98	360.0
	121	0.25	0.20	80.0	122	2.83	6.94	245.5	123	1.03	3.70	360.0
	124	0.20	0.16	80.0	125	1.17	4.23	360.0	126	1.42	5.13	360.0
	127	2.22	4.23	190.0	129	1.69	3.21	190.0	132	2.50	4.74	190.0
	134	1.60	5.76	360.0	135	1.87	3.55	190.0	137	2.43	4.63	190.0
	138	2.08	3.96	190.0	141	1.74	3.31	190.0	144	1.47	2.79	190.0
	145	0.99	4.38	440.0	146	1.45	5.22	360.0	147	1.25	4.51	360.0
	165	0.94	3.39	360.0	204	1.00	3.61	360.0	205	1.52	1.74	114.5
	207	2.12	5.22	245.5	212	2.19	7.88	360.0	215	0.64	2.08	325.5
	223	3.13	11.28	360.0	231	1.75	4.30	245.5	237	1.17	4.21	360.0
	244	0.05	0.04	80.0	245	0.26	0.32	120.0	246	0.32	0.39	120.0
	247	0.42	0.50	120.0	248	0.33	0.39	120.0	249	0.02	0.01	80.0
	254	1.37	4.93	360.0	267	0.78	3.42	440.0	275	0.41	1.35	325.5
	284	1.01	3.28	325.5	296	0.20	0.16	80.0	304	1.16	4.19	360.0
	310	0.44	0.53	120.0	311	0.95	1.14	120.0	312	0.93	1.12	120.0
	313	0.45	0.54	120.0	314	0.95	1.14	120.0	315	0.96	1.15	120.0
	316	0.08	0.10	120.0	317	0.30	0.36	120.0	318	0.34	0.40	120.0
	319	0.43	0.52	120.0	320	0.37	0.44	120.0	321	0.04	0.01	40.0
	322	0.57	0.68	120.0	323	0.64	0.77	120.0	324	1.15	1.38	120.0
	325	0.57	0.68	120.0	326	0.69	0.83	120.0	327	1.18	1.42	120.0
	328	0.21	0.25	120.0	329	0.32	0.38	120.0	330	0.34	0.41	120.0
	331	0.43	0.52	120.0	332	0.40	0.48	120.0	333	0.19	0.15	80.0
	334	0.44	0.52	120.0	335	0.47	0.56	120.0	336	0.23	0.27	120.0
	337	0.22	0.26	120.0	338	0.26	0.32	120.0	348	0.64	2.81	440.0
	350	0.71	3.13	440.0	356	0.87	2.82	325.5	363	1.04	3.38	325.5
	364	1.50	4.90	325.5	369	1.39	4.53	325.5	375	0.21	0.17	80.0
	376	2.28	2.61	114.5	379	2.03	7.32	360.0	381	1.33	3.27	245.5
	382	1.12	4.03	360.0	383	0.78	2.80	360.0	384	0.57	2.06	360.0
	385	0.92	2.26	245.5	386	0.76	2.72	360.0	390	0.93	3.02	325.5
	392	1.71	1.96	114.5	393	1.56	5.63	360.0	396	0.17	0.13	80.0
	397	0.63	0.76	120.0	398	0.49	0.56	114.5	399	1.15	1.31	114.5
	403	0.86	0.98	114.5	407	0.91	3.27	360.0	408	1.22	4.38	360.0
	421	1.21	1.39	114.5	422	1.93	9.15	474.5	423	1.04	1.20	114.5
	424	1.80	8.53	474.5	425	2.45	8.82	360.0	429	1.44	5.20	360.0
	433	0.93	4.08	440.0	434	1.52	5.45	360.0	435	1.47	5.29	360.0
	436	1.16	5.11	440.0	437	1.76	6.32	360.0	438	1.44	5.17	360.0
	439	1.18	5.20	440.0	440	1.76	6.32	360.0	441	1.41	5.06	360.0
	442	0.23	0.19	80.0	443	1.51	5.45	360.0				
86	1	0.06	0.07	120.0	98	0.59	2.13	360.0	99	0.29	1.03	360.0
	100	0.64	2.29	360.0	101	0.16	0.13	80.0	102	0.29	0.35	120.0
	103	0.06	0.05	80.0	104	0.24	0.29	120.0	105	0.22	0.27	120.0
	106	0.20	0.87	440.0	107	0.35	1.26	360.0	108	0.40	1.43	360.0
	109	0.28	1.21	440.0	110	0.47	1.68	360.0	111	0.60	2.16	360.0
	112	0.44	1.91	440.0	113	0.53	1.90	360.0	114	0.54	1.93	360.0
	115	0.68	2.23	325.5	116	0.85	4.04	474.5	117	1.00	4.72	474.5
	118	1.92	6.25	325.5	119	1.05	2.58	245.5	120	0.84	3.03	360.0
	121	0.39	0.31	80.0	122	0.75	1.85	245.5	123	0.52	1.87	360.0

	124	0.10	0.08	80.0	125	0.53	1.90	360.0	126	0.66	2.36	360.0
	127	1.06	2.02	190.0	129	0.79	1.50	190.0	132	1.28	2.43	190.0
	134	0.84	3.01	360.0	135	1.11	2.11	190.0	137	1.33	2.53	190.0
	138	1.09	2.06	190.0	141	0.92	1.74	190.0	144	0.68	1.30	190.0
	145	0.58	2.55	440.0	146	0.77	2.78	360.0	147	0.56	2.02	360.0
	165	0.31	1.11	360.0	204	0.45	1.63	360.0	205	2.90	3.32	114.5
	207	1.26	3.10	245.5	212	0.35	1.27	360.0	215	1.19	3.86	325.5
	223	0.41	1.48	360.0	231	0.97	2.38	245.5	237	0.47	1.71	360.0
	244	0.08	0.06	80.0	245	0.21	0.26	120.0	246	0.25	0.30	120.0
	247	0.17	0.21	120.0	248	0.14	0.17	120.0	249	7.88e-03	6.30e-03	80.0
	254	0.65	2.35	360.0	267	0.40	1.74	440.0	275	0.60	1.96	325.5
	284	1.89	6.16	325.5	296	0.10	0.08	80.0	304	0.58	2.10	360.0
	310	0.19	0.23	120.0	311	0.38	0.46	120.0	312	0.38	0.46	120.0
	313	0.16	0.19	120.0	314	0.33	0.40	120.0	315	0.33	0.40	120.0
	316	0.14	0.16	120.0	317	0.24	0.28	120.0	318	0.26	0.31	120.0
	319	0.18	0.22	120.0	320	0.16	0.19	120.0	321	0.02	6.30e-03	40.0
	322	0.24	0.29	120.0	323	0.31	0.38	120.0	324	0.47	0.56	120.0
	325	0.20	0.24	120.0	326	0.25	0.30	120.0	327	0.42	0.51	120.0
	328	0.15	0.18	120.0	329	0.25	0.30	120.0	330	0.26	0.32	120.0
	331	0.18	0.21	120.0	332	0.17	0.20	120.0	333	0.08	0.07	80.0
	334	0.23	0.27	120.0	335	0.17	0.21	120.0	336	0.18	0.22	120.0
	337	0.10	0.12	120.0	338	0.11	0.13	120.0	348	0.34	1.48	440.0
	350	0.39	1.71	440.0	356	0.88	2.86	325.5	363	0.92	3.01	325.5
	364	0.96	3.11	325.5	369	0.91	2.97	325.5	375	0.35	0.28	80.0
	376	1.47	1.69	114.5	379	1.30	4.68	360.0	381	0.74	1.81	245.5
	382	0.51	1.83	360.0	383	0.41	1.48	360.0	384	0.43	1.55	360.0
	385	1.48	3.64	245.5	386	0.36	1.29	360.0	390	0.70	2.27	325.5
	392	1.03	1.18	114.5	393	0.95	3.41	360.0	396	0.06	0.05	80.0
	397	0.29	0.34	120.0	398	0.13	0.15	114.5	399	1.95	2.23	114.5
	403	0.28	0.33	114.5	407	0.60	2.15	360.0	408	0.62	2.24	360.0
	421	0.60	0.69	114.5	422	0.79	3.73	474.5	423	0.49	0.56	114.5
	424	0.72	3.40	474.5	425	1.03	3.69	360.0	429	0.72	2.59	360.0
	433	0.46	2.04	440.0	434	0.72	2.60	360.0	435	0.70	2.52	360.0
	436	0.55	2.44	440.0	437	0.80	2.89	360.0	438	0.67	2.41	360.0
	439	0.55	2.41	440.0	440	0.79	2.85	360.0	441	0.66	2.38	360.0
	442	0.20	0.16	80.0	443	0.69	2.50	360.0				
87	1	0.07	0.08	120.0	98	0.69	2.49	360.0	99	0.41	1.46	360.0
	100	0.76	2.73	360.0	101	0.16	0.13	80.0	102	0.40	0.48	120.0
	103	0.08	0.06	80.0	104	0.34	0.41	120.0	105	0.36	0.43	120.0
	106	0.26	1.15	440.0	107	0.49	1.75	360.0	108	0.55	1.99	360.0
	109	0.34	1.49	440.0	110	0.64	2.30	360.0	111	0.73	2.64	360.0
	112	0.52	2.27	440.0	113	0.69	2.50	360.0	114	0.63	2.28	360.0
	115	0.44	1.44	325.5	116	0.83	3.93	474.5	117	1.04	4.96	474.5
	118	1.77	5.76	325.5	119	0.62	1.52	245.5	120	1.01	3.64	360.0
	121	0.40	0.32	80.0	122	0.62	1.52	245.5	123	0.62	2.25	360.0
	124	0.09	0.07	80.0	125	0.66	2.37	360.0	126	0.74	2.67	360.0
	127	1.22	2.33	190.0	129	0.93	1.77	190.0	132	1.41	2.67	190.0
	134	0.65	2.36	360.0	135	1.17	2.22	190.0	137	1.28	2.44	190.0
	138	1.06	2.01	190.0	141	0.97	1.84	190.0	144	0.61	1.16	190.0
	145	0.60	2.66	440.0	146	0.85	3.06	360.0	147	0.61	2.21	360.0
	165	0.84	3.03	360.0	204	0.43	1.56	360.0	205	2.72	3.12	114.5
	207	1.32	3.24	245.5	212	0.60	2.16	360.0	215	1.16	3.79	325.5
	223	0.98	3.51	360.0	231	1.03	2.53	245.5	237	0.53	1.92	360.0
	244	0.06	0.05	80.0	245	0.27	0.33	120.0	246	0.34	0.41	120.0
	247	0.28	0.33	120.0	248	0.21	0.26	120.0	249	7.35e-03	5.88e-03	80.0
	254	0.76	2.75	360.0	267	0.45	1.96	440.0	275	0.38	1.22	325.5
	284	1.75	5.71	325.5	296	0.13	0.10	80.0	304	0.66	2.39	360.0
	310	0.23	0.28	120.0	311	0.51	0.61	120.0	312	0.54	0.65	120.0
	313	0.21	0.25	120.0	314	0.46	0.56	120.0	315	0.50	0.60	120.0
	316	0.14	0.16	120.0	317	0.30	0.37	120.0	318	0.35	0.42	120.0
	319	0.29	0.35	120.0	320	0.25	0.29	120.0	321	0.01	5.88e-03	40.0
	322	0.30	0.36	120.0	323	0.42	0.50	120.0	324	0.63	0.76	120.0
	325	0.27	0.33	120.0	326	0.37	0.44	120.0	327	0.59	0.71	120.0
	328	0.17	0.20	120.0	329	0.33	0.40	120.0	330	0.36	0.43	120.0
	331	0.29	0.35	120.0	332	0.27	0.32	120.0	333	0.12	0.10	80.0
	334	0.28	0.34	120.0	335	0.25	0.29	120.0	336	0.24	0.28	120.0
	337	0.15	0.18	120.0	338	0.18	0.22	120.0	348	0.40	1.76	440.0
	350	0.40	1.76	440.0	356	0.88	2.86	325.5	363	0.89	2.90	325.5
	364	0.96	3.13	325.5	369	0.95	3.09	325.5	375	0.35	0.28	80.0
	376	1.58	1.81	114.5	379	1.36	4.90	360.0	381	0.79	1.93	245.5
	382	0.58	2.07	360.0	383	0.45	1.62	360.0	384	0.48	1.71	360.0
	385	1.42	3.48	245.5	386	0.40	1.44	360.0	390	0.70	2.27	325.5
	392	1.10	1.26	114.5	393	1.05	3.80	360.0	396	0.08	0.07	80.0
	397	0.37	0.45	120.0	398	0.48	0.55	114.5	399	1.86	2.13	114.5
	403	0.53	0.61	114.5	407	0.58	2.09	360.0	408	0.69	2.48	360.0

	421	0.82	0.93	114.5	422	0.93	4.44	474.5	423	0.72	0.82	114.5
	424	0.84	3.98	474.5	425	1.06	3.83	360.0	429	0.78	2.79	360.0
	433	0.48	2.12	440.0	434	0.78	2.82	360.0	435	0.79	2.85	360.0
	436	0.58	2.56	440.0	437	0.88	3.15	360.0	438	0.77	2.79	360.0
	439	0.59	2.60	440.0	440	0.88	3.17	360.0	441	0.77	2.76	360.0
	442	0.15	0.12	80.0	443	0.79	2.84	360.0				
88	1	0.16	0.19	120.0	98	0.86	3.10	360.0	99	1.29	4.63	360.0
	100	1.44	5.20	360.0	101	0.10	0.08	80.0	102	0.61	0.74	120.0
	103	0.17	0.13	80.0	104	0.72	0.86	120.0	105	0.71	0.85	120.0
	106	0.54	2.36	440.0	107	0.99	3.57	360.0	108	1.13	4.08	360.0
	109	0.64	2.84	440.0	110	1.21	4.37	360.0	111	1.43	5.16	360.0
	112	0.93	4.07	440.0	113	1.35	4.84	360.0	114	1.24	4.48	360.0
	115	0.50	1.63	325.5	116	1.55	7.36	474.5	117	1.56	7.40	474.5
	118	1.20	3.91	325.5	119	3.53	8.66	245.5	120	1.28	4.62	360.0
	121	0.24	0.19	80.0	122	2.81	6.90	245.5	123	1.12	4.02	360.0
	124	0.20	0.16	80.0	125	1.33	4.81	360.0	126	1.53	5.52	360.0
	127	2.44	4.63	190.0	129	1.78	3.38	190.0	132	2.53	4.80	190.0
	134	1.38	4.96	360.0	135	1.83	3.48	190.0	137	2.35	4.46	190.0
	138	2.18	4.14	190.0	141	1.88	3.58	190.0	144	1.49	2.84	190.0
	145	1.04	4.57	440.0	146	1.58	5.69	360.0	147	1.38	4.96	360.0
	165	1.39	5.00	360.0	204	1.09	3.94	360.0	205	1.74	1.99	114.5
	207	2.18	5.35	245.5	212	2.27	8.18	360.0	215	0.68	2.22	325.5
	223	3.01	10.82	360.0	231	1.82	4.46	245.5	237	1.29	4.63	360.0
	244	0.04	0.03	80.0	245	0.31	0.37	120.0	246	0.39	0.46	120.0
	247	0.50	0.60	120.0	248	0.38	0.46	120.0	249	0.02	0.01	80.0
	254	1.50	5.40	360.0	267	0.80	3.54	440.0	275	0.20	0.64	325.5
	284	1.11	3.61	325.5	296	0.22	0.18	80.0	304	1.24	4.46	360.0
	310	0.45	0.54	120.0	311	0.99	1.19	120.0	312	1.02	1.22	120.0
	313	0.45	0.54	120.0	314	1.00	1.20	120.0	315	1.05	1.26	120.0
	316	0.09	0.11	120.0	317	0.35	0.42	120.0	318	0.40	0.48	120.0
	319	0.52	0.62	120.0	320	0.44	0.52	120.0	321	0.03	0.01	40.0
	322	0.57	0.69	120.0	323	0.69	0.83	120.0	324	1.24	1.49	120.0
	325	0.58	0.70	120.0	326	0.75	0.90	120.0	327	1.29	1.54	120.0
	328	0.27	0.32	120.0	329	0.38	0.45	120.0	330	0.41	0.49	120.0
	331	0.52	0.63	120.0	332	0.48	0.57	120.0	333	0.22	0.18	80.0
	334	0.45	0.55	120.0	335	0.49	0.59	120.0	336	0.27	0.32	120.0
	337	0.26	0.31	120.0	338	0.31	0.38	120.0	348	0.81	3.58	440.0
	350	0.77	3.37	440.0	356	0.87	2.83	325.5	363	1.00	3.24	325.5
	364	1.49	4.85	325.5	369	1.41	4.58	325.5	375	0.21	0.17	80.0
	376	2.38	2.73	114.5	379	2.24	8.07	360.0	381	1.38	3.40	245.5
	382	1.14	4.09	360.0	383	0.81	2.92	360.0	384	0.59	2.11	360.0
	385	0.98	2.42	245.5	386	0.82	2.96	360.0	390	0.97	3.16	325.5
	392	1.77	2.02	114.5	393	1.75	6.31	360.0	396	0.17	0.14	80.0
	397	0.66	0.80	120.0	398	0.85	0.97	114.5	399	1.16	1.33	114.5
	403	1.13	1.30	114.5	407	1.40	5.03	360.0	408	1.36	4.90	360.0
	421	1.48	1.69	114.5	422	1.77	8.39	474.5	423	1.33	1.52	114.5
	424	1.60	7.59	474.5	425	1.69	6.07	360.0	429	1.58	5.68	360.0
	433	0.98	4.33	440.0	434	1.63	5.88	360.0	435	1.59	5.74	360.0
	436	1.20	5.30	440.0	437	1.85	6.65	360.0	438	1.56	5.62	360.0
	439	1.21	5.30	440.0	440	1.83	6.59	360.0	441	1.54	5.54	360.0
	442	0.27	0.21	80.0	443	1.58	5.70	360.0				
89	1	0.15	0.18	120.0	98	0.78	2.82	360.0	99	1.16	4.17	360.0
	100	1.32	4.74	360.0	101	0.09	0.07	80.0	102	0.53	0.63	120.0
	103	0.16	0.12	80.0	104	0.65	0.78	120.0	105	0.60	0.72	120.0
	106	0.49	2.17	440.0	107	0.89	3.19	360.0	108	1.01	3.62	360.0
	109	0.60	2.64	440.0	110	1.07	3.86	360.0	111	1.33	4.77	360.0
	112	0.89	3.91	440.0	113	1.21	4.37	360.0	114	1.14	4.12	360.0
	115	0.59	1.93	325.5	116	1.59	7.54	474.5	117	1.62	7.69	474.5
	118	1.26	4.09	325.5	119	3.40	8.34	245.5	120	1.25	4.49	360.0
	121	0.24	0.19	80.0	122	2.67	6.56	245.5	123	1.03	3.71	360.0
	124	0.21	0.17	80.0	125	1.19	4.30	360.0	126	1.44	5.19	360.0
	127	2.25	4.27	190.0	129	1.67	3.18	190.0	132	2.45	4.66	190.0
	134	1.56	5.62	360.0	135	1.82	3.46	190.0	137	2.42	4.61	190.0
	138	2.14	4.07	190.0	141	1.78	3.38	190.0	144	1.51	2.86	190.0
	145	1.01	4.42	440.0	146	1.47	5.31	360.0	147	1.29	4.65	360.0
	165	0.91	3.29	360.0	204	1.04	3.75	360.0	205	1.68	1.92	114.5
	207	2.13	5.23	245.5	212	2.12	7.62	360.0	215	0.67	2.17	325.5
	223	2.82	10.15	360.0	231	1.77	4.34	245.5	237	1.20	4.32	360.0
	244	0.05	0.04	80.0	245	0.26	0.31	120.0	246	0.32	0.38	120.0
	247	0.41	0.49	120.0	248	0.32	0.38	120.0	249	0.02	0.01	80.0
	254	1.38	4.95	360.0	267	0.76	3.36	440.0	275	0.19	0.63	325.5
	284	1.13	3.67	325.5	296	0.20	0.16	80.0	304	1.16	4.17	360.0
	310	0.42	0.51	120.0	311	0.91	1.09	120.0	312	0.90	1.08	120.0
	313	0.43	0.51	120.0	314	0.91	1.09	120.0	315	0.92	1.11	120.0
	316	0.09	0.10	120.0	317	0.29	0.35	120.0	318	0.33	0.39	120.0

	319	0.42	0.50	120.0	320	0.36	0.43	120.0	321	0.03	0.01	40.0
	322	0.54	0.65	120.0	323	0.62	0.74	120.0	324	1.12	1.34	120.0
	325	0.54	0.65	120.0	326	0.67	0.80	120.0	327	1.15	1.38	120.0
	328	0.19	0.23	120.0	329	0.31	0.37	120.0	330	0.33	0.40	120.0
	331	0.42	0.51	120.0	332	0.39	0.47	120.0	333	0.18	0.15	80.0
	334	0.42	0.50	120.0	335	0.45	0.54	120.0	336	0.22	0.27	120.0
	337	0.21	0.26	120.0	338	0.26	0.31	120.0	348	0.77	3.37	440.0
	350	0.73	3.23	440.0	356	0.87	2.82	325.5	363	1.05	3.43	325.5
	364	1.50	4.90	325.5	369	1.38	4.50	325.5	375	0.21	0.17	80.0
	376	2.27	2.60	114.5	379	2.06	7.40	360.0	381	1.33	3.27	245.5
	382	1.09	3.94	360.0	383	0.77	2.78	360.0	384	0.55	1.97	360.0
	385	0.97	2.39	245.5	386	0.77	2.77	360.0	390	0.91	2.98	325.5
	392	1.71	1.96	114.5	393	1.61	5.78	360.0	396	0.16	0.13	80.0
	397	0.60	0.73	120.0	398	0.54	0.62	114.5	399	1.19	1.36	114.5
	403	0.90	1.04	114.5	407	0.92	3.33	360.0	408	1.25	4.51	360.0
	421	1.22	1.39	114.5	422	1.90	9.00	474.5	423	1.05	1.20	114.5
	424	1.77	8.38	474.5	425	2.32	8.36	360.0	429	1.49	5.35	360.0
	433	0.95	4.17	440.0	434	1.54	5.56	360.0	435	1.49	5.36	360.0
	436	1.17	5.14	440.0	437	1.77	6.35	360.0	438	1.45	5.20	360.0
	439	1.17	5.15	440.0	440	1.75	6.29	360.0	441	1.42	5.10	360.0
	442	0.27	0.21	80.0	443	1.50	5.39	360.0				
90	1	0.06	0.07	120.0	98	0.61	2.20	360.0	99	0.32	1.15	360.0
	100	0.63	2.28	360.0	101	0.16	0.12	80.0	102	0.30	0.36	120.0
	103	0.07	0.05	80.0	104	0.27	0.32	120.0	105	0.25	0.29	120.0
	106	0.22	0.95	440.0	107	0.38	1.36	360.0	108	0.42	1.53	360.0
	109	0.29	1.29	440.0	110	0.49	1.77	360.0	111	0.63	2.26	360.0
	112	0.48	2.10	440.0	113	0.56	2.01	360.0	114	0.55	1.97	360.0
	115	0.51	1.65	325.5	116	0.88	4.18	474.5	117	1.11	5.28	474.5
	118	1.80	5.87	325.5	119	0.65	1.60	245.5	120	1.01	3.64	360.0
	121	0.40	0.32	80.0	122	0.66	1.62	245.5	123	0.56	2.01	360.0
	124	0.10	0.08	80.0	125	0.51	1.85	360.0	126	0.64	2.32	360.0
	127	1.03	1.97	190.0	129	0.80	1.53	190.0	132	1.33	2.52	190.0
	134	0.87	3.13	360.0	135	1.16	2.21	190.0	137	1.35	2.57	190.0
	138	1.03	1.95	190.0	141	0.87	1.66	190.0	144	0.65	1.23	190.0
	145	0.57	2.52	440.0	146	0.75	2.71	360.0	147	0.52	1.88	360.0
	165	0.34	1.22	360.0	204	0.42	1.50	360.0	205	2.73	3.13	114.5
	207	1.26	3.10	245.5	212	0.39	1.42	360.0	215	1.15	3.75	325.5
	223	0.68	2.47	360.0	231	0.96	2.37	245.5	237	0.44	1.60	360.0
	244	0.08	0.06	80.0	245	0.21	0.26	120.0	246	0.25	0.30	120.0
	247	0.18	0.22	120.0	248	0.15	0.18	120.0	249	8.30e-03	6.64e-03	80.0
	254	0.64	2.31	360.0	267	0.41	1.79	440.0	275	0.38	1.24	325.5
	284	1.77	5.77	325.5	296	0.10	0.08	80.0	304	0.59	2.11	360.0
	310	0.21	0.25	120.0	311	0.42	0.50	120.0	312	0.41	0.49	120.0
	313	0.18	0.22	120.0	314	0.37	0.44	120.0	315	0.36	0.44	120.0
	316	0.13	0.16	120.0	317	0.24	0.28	120.0	318	0.26	0.31	120.0
	319	0.19	0.23	120.0	320	0.16	0.20	120.0	321	0.02	6.64e-03	40.0
	322	0.26	0.31	120.0	323	0.33	0.39	120.0	324	0.49	0.59	120.0
	325	0.23	0.28	120.0	326	0.28	0.33	120.0	327	0.45	0.55	120.0
	328	0.14	0.17	120.0	329	0.25	0.30	120.0	330	0.26	0.32	120.0
	331	0.19	0.23	120.0	332	0.18	0.21	120.0	333	0.09	0.07	80.0
	334	0.24	0.29	120.0	335	0.19	0.23	120.0	336	0.18	0.22	120.0
	337	0.10	0.12	120.0	338	0.12	0.14	120.0	348	0.40	1.78	440.0
	350	0.37	1.62	440.0	356	0.88	2.86	325.5	363	0.92	2.98	325.5
	364	0.96	3.12	325.5	369	0.92	3.00	325.5	375	0.35	0.28	80.0
	376	1.49	1.71	114.5	379	1.37	4.94	360.0	381	0.74	1.82	245.5
	382	0.53	1.92	360.0	383	0.41	1.49	360.0	384	0.44	1.58	360.0
	385	1.43	3.51	245.5	386	0.35	1.25	360.0	390	0.78	2.53	325.5
	392	1.04	1.19	114.5	393	0.96	3.44	360.0	396	0.07	0.06	80.0
	397	0.30	0.36	120.0	398	0.19	0.21	114.5	399	1.90	2.17	114.5
	403	0.24	0.28	114.5	407	0.64	2.30	360.0	408	0.59	2.12	360.0
	421	0.60	0.69	114.5	422	0.52	2.46	474.5	423	0.49	0.56	114.5
	424	0.40	1.90	474.5	425	0.65	2.33	360.0	429	0.68	2.45	360.0
	433	0.44	1.95	440.0	434	0.69	2.50	360.0	435	0.68	2.45	360.0
	436	0.55	2.40	440.0	437	0.79	2.85	360.0	438	0.66	2.37	360.0
	439	0.56	2.44	440.0	440	0.79	2.86	360.0	441	0.65	2.33	360.0
	442	0.15	0.12	80.0	443	0.70	2.53	360.0				
91	1	0.07	0.09	120.0	98	0.60	2.17	360.0	99	0.43	1.54	360.0
	100	0.67	2.40	360.0	101	0.09	0.08	80.0	102	0.39	0.47	120.0
	103	0.08	0.06	80.0	104	0.36	0.43	120.0	105	0.37	0.45	120.0
	106	0.30	1.32	440.0	107	0.55	1.98	360.0	108	0.60	2.15	360.0
	109	0.40	1.74	440.0	110	0.74	2.66	360.0	111	0.83	2.98	360.0
	112	0.45	1.98	440.0	113	0.74	2.67	360.0	114	0.77	2.78	360.0
	115	0.67	2.18	325.5	116	1.04	4.94	474.5	117	1.06	5.02	474.5
	118	1.69	5.48	325.5	119	1.17	2.88	245.5	120	0.78	2.82	360.0
	121	0.37	0.29	80.0	122	0.83	2.04	245.5	123	0.71	2.55	360.0

	124	0.11	0.09	80.0	125	0.77	2.76	360.0	126	0.84	3.04	360.0
	127	1.26	2.39	190.0	129	0.94	1.78	190.0	132	1.40	2.65	190.0
	134	0.67	2.42	360.0	135	1.13	2.14	190.0	137	1.27	2.42	190.0
	138	1.09	2.07	190.0	141	0.96	1.83	190.0	144	0.71	1.35	190.0
	145	0.44	1.94	440.0	146	0.72	2.58	360.0	147	0.66	2.38	360.0
	165	1.09	3.93	360.0	204	0.56	2.03	360.0	205	2.60	2.97	114.5
	207	1.07	2.63	245.5	212	0.74	2.68	360.0	215	1.12	3.64	325.5
	223	1.01	3.63	360.0	231	1.00	2.45	245.5	237	0.71	2.54	360.0
	244	0.06	0.05	80.0	245	0.25	0.31	120.0	246	0.32	0.39	120.0
	247	0.29	0.35	120.0	248	0.22	0.27	120.0	249	8.05e-03	6.44e-03	80.0
	254	0.66	2.38	360.0	267	0.69	3.06	440.0	275	0.59	1.93	325.5
	284	1.66	5.39	325.5	296	0.10	0.08	80.0	304	0.56	2.00	360.0
	310	0.23	0.28	120.0	311	0.52	0.62	120.0	312	0.55	0.66	120.0
	313	0.21	0.26	120.0	314	0.49	0.58	120.0	315	0.52	0.63	120.0
	316	0.13	0.16	120.0	317	0.29	0.34	120.0	318	0.33	0.40	120.0
	319	0.30	0.36	120.0	320	0.26	0.31	120.0	321	0.02	6.44e-03	40.0
	322	0.30	0.36	120.0	323	0.41	0.49	120.0	324	0.65	0.78	120.0
	325	0.28	0.34	120.0	326	0.39	0.46	120.0	327	0.63	0.76	120.0
	328	0.15	0.18	120.0	329	0.31	0.38	120.0	330	0.34	0.41	120.0
	331	0.31	0.37	120.0	332	0.28	0.34	120.0	333	0.13	0.10	80.0
	334	0.27	0.33	120.0	335	0.26	0.31	120.0	336	0.22	0.26	120.0
	337	0.16	0.19	120.0	338	0.19	0.23	120.0	348	0.26	1.15	440.0
	350	0.34	1.50	440.0	356	0.59	1.91	325.5	363	0.61	2.00	325.5
	364	0.65	2.13	325.5	369	0.63	2.04	325.5	375	0.31	0.25	80.0
	376	1.13	1.29	114.5	379	1.05	3.78	360.0	381	0.65	1.60	245.5
	382	0.50	1.81	360.0	383	0.36	1.30	360.0	384	0.42	1.51	360.0
	385	1.37	3.36	245.5	386	0.48	1.74	360.0	390	0.54	1.77	325.5
	392	0.95	1.09	114.5	393	0.93	3.36	360.0	396	0.08	0.07	80.0
	397	0.37	0.44	120.0	398	0.53	0.61	114.5	399	1.79	2.06	114.5
	403	0.63	0.73	114.5	407	0.86	3.11	360.0	408	0.61	2.18	360.0
	421	0.90	1.03	114.5	422	1.13	5.38	474.5	423	0.82	0.94	114.5
	424	1.05	4.97	474.5	425	0.89	3.19	360.0	429	0.70	2.52	360.0
	433	0.42	1.86	440.0	434	0.69	2.50	360.0	435	0.69	2.47	360.0
	436	0.54	2.36	440.0	437	0.79	2.83	360.0	438	0.66	2.37	360.0
	439	0.55	2.40	440.0	440	0.79	2.85	360.0	441	0.65	2.34	360.0
	442	0.16	0.13	80.0	443	0.70	2.51	360.0				
92	1	0.16	0.20	120.0	98	0.89	3.20	360.0	99	1.27	4.59	360.0
	100	1.38	4.97	360.0	101	0.15	0.12	80.0	102	0.65	0.79	120.0
	103	0.18	0.15	80.0	104	0.79	0.95	120.0	105	0.77	0.92	120.0
	106	0.61	2.69	440.0	107	1.11	3.99	360.0	108	1.23	4.44	360.0
	109	0.73	3.23	440.0	110	1.36	4.91	360.0	111	1.59	5.71	360.0
	112	0.93	4.08	440.0	113	1.43	5.15	360.0	114	1.40	5.05	360.0
	115	0.69	2.25	325.5	116	1.80	8.54	474.5	117	1.79	8.50	474.5
	118	0.95	3.08	325.5	119	3.95	9.69	245.5	120	1.36	4.89	360.0
	121	0.25	0.20	80.0	122	2.98	7.31	245.5	123	1.24	4.48	360.0
	124	0.21	0.17	80.0	125	1.41	5.06	360.0	126	1.60	5.77	360.0
	127	2.44	4.63	190.0	129	1.85	3.52	190.0	132	2.61	4.97	190.0
	134	1.48	5.31	360.0	135	1.88	3.56	190.0	137	2.37	4.51	190.0
	138	2.10	3.99	190.0	141	1.79	3.41	190.0	144	1.57	2.98	190.0
	145	0.86	3.81	440.0	146	1.41	5.08	360.0	147	1.35	4.86	360.0
	165	1.67	6.00	360.0	204	1.17	4.22	360.0	205	1.33	1.52	114.5
	207	1.94	4.76	245.5	212	2.35	8.46	360.0	215	0.65	2.11	325.5
	223	3.24	11.66	360.0	231	1.77	4.35	245.5	237	1.39	5.00	360.0
	244	0.03	0.03	80.0	245	0.31	0.37	120.0	246	0.39	0.47	120.0
	247	0.53	0.64	120.0	248	0.41	0.49	120.0	249	0.02	0.01	80.0
	254	1.40	5.02	360.0	267	1.06	4.67	440.0	275	0.42	1.37	325.5
	284	0.77	2.51	325.5	296	0.21	0.16	80.0	304	1.16	4.18	360.0
	310	0.49	0.59	120.0	311	1.08	1.30	120.0	312	1.10	1.32	120.0
	313	0.50	0.60	120.0	314	1.09	1.31	120.0	315	1.14	1.37	120.0
	316	0.08	0.09	120.0	317	0.35	0.42	120.0	318	0.41	0.49	120.0
	319	0.55	0.66	120.0	320	0.47	0.56	120.0	321	0.04	0.01	40.0
	322	0.63	0.76	120.0	323	0.74	0.89	120.0	324	1.33	1.60	120.0
	325	0.64	0.77	120.0	326	0.82	0.98	120.0	327	1.38	1.66	120.0
	328	0.28	0.33	120.0	329	0.38	0.46	120.0	330	0.41	0.50	120.0
	331	0.55	0.67	120.0	332	0.51	0.61	120.0	333	0.24	0.19	80.0
	334	0.49	0.59	120.0	335	0.54	0.65	120.0	336	0.27	0.32	120.0
	337	0.28	0.33	120.0	338	0.34	0.40	120.0	348	0.65	2.87	440.0
	350	0.67	2.95	440.0	356	0.57	1.87	325.5	363	0.74	2.42	325.5
	364	1.20	3.92	325.5	369	1.11	3.61	325.5	375	0.18	0.14	80.0
	376	1.96	2.24	114.5	379	1.90	6.84	360.0	381	1.26	3.09	245.5
	382	1.13	4.07	360.0	383	0.75	2.69	360.0	384	0.58	2.10	360.0
	385	0.89	2.20	245.5	386	0.87	3.14	360.0	390	0.86	2.79	325.5
	392	1.63	1.87	114.5	393	1.68	6.04	360.0	396	0.18	0.15	80.0
	397	0.72	0.86	120.0	398	0.91	1.04	114.5	399	1.07	1.22	114.5
	403	1.18	1.35	114.5	407	1.26	4.54	360.0	408	1.22	4.39	360.0

	421	1.54	1.76	114.5	422	1.95	9.27	474.5	423	1.41	1.61	114.5
	424	1.80	8.54	474.5	425	1.72	6.20	360.0	429	1.44	5.17	360.0
	433	0.90	3.94	440.0	434	1.50	5.41	360.0	435	1.47	5.28	360.0
	436	1.15	5.07	440.0	437	1.75	6.31	360.0	438	1.44	5.18	360.0
	439	1.19	5.25	440.0	440	1.77	6.39	360.0	441	1.41	5.09	360.0
	442	0.22	0.18	80.0	443	1.54	5.54	360.0				
93	1	0.15	0.18	120.0	98	0.82	2.93	360.0	99	1.15	4.13	360.0
	100	1.25	4.51	360.0	101	0.15	0.12	80.0	102	0.58	0.69	120.0
	103	0.17	0.14	80.0	104	0.72	0.86	120.0	105	0.66	0.80	120.0
	106	0.57	2.49	440.0	107	1.00	3.61	360.0	108	1.11	3.98	360.0
	109	0.69	3.03	440.0	110	1.22	4.40	360.0	111	1.48	5.32	360.0
	112	0.89	3.90	440.0	113	1.30	4.66	360.0	114	1.30	4.69	360.0
	115	0.77	2.51	325.5	116	1.84	8.72	474.5	117	1.85	8.77	474.5
	118	1.02	3.31	325.5	119	3.82	9.37	245.5	120	1.31	4.73	360.0
	121	0.24	0.19	80.0	122	2.84	6.97	245.5	123	1.16	4.16	360.0
	124	0.22	0.18	80.0	125	1.26	4.55	360.0	126	1.51	5.43	360.0
	127	2.24	4.26	190.0	129	1.75	3.32	190.0	132	2.54	4.83	190.0
	134	1.65	5.96	360.0	135	1.87	3.55	190.0	137	2.45	4.65	190.0
	138	2.06	3.91	190.0	141	1.69	3.21	190.0	144	1.56	2.96	190.0
	145	0.83	3.66	440.0	146	1.30	4.69	360.0	147	1.26	4.54	360.0
	165	1.16	4.19	360.0	204	1.09	3.94	360.0	205	1.22	1.40	114.5
	207	1.89	4.65	245.5	212	2.18	7.85	360.0	215	0.58	1.89	325.5
	223	3.02	10.87	360.0	231	1.72	4.22	245.5	237	1.30	4.67	360.0
	244	0.05	0.04	80.0	245	0.26	0.31	120.0	246	0.33	0.39	120.0
	247	0.44	0.53	120.0	248	0.35	0.42	120.0	249	0.02	0.02	80.0
	254	1.27	4.58	360.0	267	1.02	4.49	440.0	275	0.42	1.36	325.5
	284	0.79	2.57	325.5	296	0.18	0.14	80.0	304	1.08	3.89	360.0
	310	0.47	0.56	120.0	311	1.00	1.20	120.0	312	0.99	1.18	120.0
	313	0.48	0.57	120.0	314	1.01	1.21	120.0	315	1.01	1.22	120.0
	316	0.07	0.09	120.0	317	0.30	0.36	120.0	318	0.34	0.41	120.0
	319	0.45	0.54	120.0	320	0.39	0.47	120.0	321	0.04	0.02	40.0
	322	0.60	0.72	120.0	323	0.68	0.81	120.0	324	1.21	1.45	120.0
	325	0.60	0.72	120.0	326	0.73	0.88	120.0	327	1.25	1.50	120.0
	328	0.20	0.24	120.0	329	0.32	0.39	120.0	330	0.34	0.41	120.0
	331	0.46	0.55	120.0	332	0.42	0.51	120.0	333	0.20	0.16	80.0
	334	0.45	0.55	120.0	335	0.50	0.59	120.0	336	0.23	0.27	120.0
	337	0.23	0.28	120.0	338	0.28	0.33	120.0	348	0.60	2.66	440.0
	350	0.64	2.81	440.0	356	0.57	1.86	325.5	363	0.82	2.66	325.5
	364	1.23	3.99	325.5	369	1.08	3.52	325.5	375	0.18	0.14	80.0
	376	1.83	2.10	114.5	379	1.73	6.21	360.0	381	1.21	2.96	245.5
	382	1.09	3.92	360.0	383	0.71	2.55	360.0	384	0.55	1.96	360.0
	385	0.87	2.14	245.5	386	0.82	2.95	360.0	390	0.82	2.68	325.5
	392	1.58	1.80	114.5	393	1.49	5.36	360.0	396	0.17	0.14	80.0
	397	0.66	0.80	120.0	398	0.60	0.69	114.5	399	1.08	1.24	114.5
	403	0.94	1.08	114.5	407	0.75	2.71	360.0	408	1.11	3.99	360.0
	421	1.29	1.48	114.5	422	2.07	9.83	474.5	423	1.15	1.32	114.5
	424	1.94	9.22	474.5	425	2.41	8.69	360.0	429	1.35	4.85	360.0
	433	0.86	3.78	440.0	434	1.42	5.10	360.0	435	1.36	4.90	360.0
	436	1.12	4.92	440.0	437	1.67	6.03	360.0	438	1.32	4.77	360.0
	439	1.16	5.10	440.0	440	1.69	6.10	360.0	441	1.29	4.66	360.0
	442	0.22	0.18	80.0	443	1.46	5.24	360.0				
94	1	0.06	0.07	120.0	98	0.52	1.87	360.0	99	0.36	1.29	360.0
	100	0.54	1.95	360.0	101	0.10	0.08	80.0	102	0.29	0.35	120.0
	103	0.07	0.05	80.0	104	0.28	0.34	120.0	105	0.26	0.31	120.0
	106	0.25	1.12	440.0	107	0.44	1.58	360.0	108	0.47	1.68	360.0
	109	0.35	1.54	440.0	110	0.59	2.13	360.0	111	0.72	2.61	360.0
	112	0.41	1.79	440.0	113	0.60	2.15	360.0	114	0.68	2.43	360.0
	115	0.72	2.36	325.5	116	1.08	5.14	474.5	117	1.12	5.30	474.5
	118	1.72	5.61	325.5	119	1.26	3.09	245.5	120	0.74	2.66	360.0
	121	0.36	0.29	80.0	122	0.89	2.18	245.5	123	0.62	2.25	360.0
	124	0.12	0.10	80.0	125	0.62	2.24	360.0	126	0.75	2.69	360.0
	127	1.07	2.03	190.0	129	0.81	1.54	190.0	132	1.32	2.50	190.0
	134	0.88	3.18	360.0	135	1.11	2.12	190.0	137	1.35	2.56	190.0
	138	1.06	2.01	190.0	141	0.87	1.65	190.0	144	0.70	1.32	190.0
	145	0.41	1.79	440.0	146	0.61	2.20	360.0	147	0.57	2.05	360.0
	165	0.54	1.96	360.0	204	0.48	1.72	360.0	205	2.59	2.97	114.5
	207	1.02	2.50	245.5	212	0.50	1.79	360.0	215	1.10	3.59	325.5
	223	0.60	2.17	360.0	231	0.94	2.30	245.5	237	0.61	2.20	360.0
	244	0.07	0.06	80.0	245	0.20	0.24	120.0	246	0.24	0.28	120.0
	247	0.20	0.24	120.0	248	0.16	0.19	120.0	249	9.02e-03	7.22e-03	80.0
	254	0.54	1.93	360.0	267	0.66	2.89	440.0	275	0.60	1.95	325.5
	284	1.67	5.45	325.5	296	0.08	0.06	80.0	304	0.48	1.71	360.0
	310	0.20	0.24	120.0	311	0.42	0.51	120.0	312	0.41	0.50	120.0
	313	0.19	0.22	120.0	314	0.39	0.47	120.0	315	0.39	0.47	120.0
	316	0.13	0.15	120.0	317	0.22	0.26	120.0	318	0.24	0.29	120.0

	319	0.20	0.24	120.0	320	0.17	0.21	120.0	321	0.02	7.22e-03	40.0
	322	0.26	0.31	120.0	323	0.32	0.39	120.0	324	0.51	0.61	120.0
	325	0.24	0.28	120.0	326	0.29	0.35	120.0	327	0.49	0.59	120.0
	328	0.13	0.16	120.0	329	0.23	0.28	120.0	330	0.25	0.30	120.0
	331	0.20	0.24	120.0	332	0.19	0.23	120.0	333	0.09	0.08	80.0
	334	0.23	0.27	120.0	335	0.20	0.24	120.0	336	0.17	0.20	120.0
	337	0.11	0.13	120.0	338	0.13	0.15	120.0	348	0.23	1.00	440.0
	350	0.31	1.35	440.0	356	0.58	1.90	325.5	363	0.66	2.13	325.5
	364	0.67	2.18	325.5	369	0.60	1.95	325.5	375	0.31	0.25	80.0
	376	1.02	1.17	114.5	379	0.96	3.46	360.0	381	0.60	1.48	245.5
	382	0.46	1.66	360.0	383	0.32	1.16	360.0	384	0.38	1.37	360.0
	385	1.38	3.38	245.5	386	0.43	1.55	360.0	390	0.61	1.99	325.5
	392	0.89	1.02	114.5	393	0.88	3.17	360.0	396	0.07	0.06	80.0
	397	0.30	0.36	120.0	398	0.20	0.23	114.5	399	1.83	2.09	114.5
	403	0.37	0.42	114.5	407	0.40	1.43	360.0	408	0.50	1.79	360.0
	421	0.69	0.79	114.5	422	1.07	5.07	474.5	423	0.61	0.69	114.5
	424	0.99	4.72	474.5	425	1.29	4.65	360.0	429	0.61	2.19	360.0
	433	0.38	1.69	440.0	434	0.61	2.18	360.0	435	0.58	2.08	360.0
	436	0.50	2.20	440.0	437	0.70	2.54	360.0	438	0.54	1.95	360.0
	439	0.51	2.25	440.0	440	0.71	2.55	360.0	441	0.53	1.91	360.0
	442	0.17	0.13	80.0	443	0.61	2.20	360.0				
95	1	0.07	0.09	120.0	98	0.63	2.25	360.0	99	0.46	1.66	360.0
	100	0.67	2.42	360.0	101	0.10	0.08	80.0	102	0.40	0.48	120.0
	103	0.09	0.07	80.0	104	0.39	0.46	120.0	105	0.39	0.47	120.0
	106	0.32	1.41	440.0	107	0.58	2.08	360.0	108	0.62	2.25	360.0
	109	0.41	1.81	440.0	110	0.76	2.75	360.0	111	0.86	3.08	360.0
	112	0.49	2.14	440.0	113	0.77	2.76	360.0	114	0.78	2.80	360.0
	115	0.49	1.59	325.5	116	1.06	5.01	474.5	117	1.13	5.37	474.5
	118	1.57	5.10	325.5	119	0.82	2.00	245.5	120	0.90	3.23	360.0
	121	0.38	0.30	80.0	122	0.77	1.89	245.5	123	0.72	2.59	360.0
	124	0.11	0.09	80.0	125	0.76	2.73	360.0	126	0.84	3.01	360.0
	127	1.23	2.34	190.0	129	0.95	1.81	190.0	132	1.44	2.74	190.0
	134	0.71	2.56	360.0	135	1.17	2.22	190.0	137	1.30	2.46	190.0
	138	1.03	1.96	190.0	141	0.92	1.74	190.0	144	0.68	1.29	190.0
	145	0.43	1.89	440.0	146	0.69	2.49	360.0	147	0.63	2.25	360.0
	165	1.11	4.00	360.0	204	0.53	1.91	360.0	205	2.43	2.79	114.5
	207	1.07	2.62	245.5	212	0.73	2.63	360.0	215	1.10	3.60	325.5
	223	1.11	4.01	360.0	231	0.99	2.43	245.5	237	0.69	2.47	360.0
	244	0.06	0.05	80.0	245	0.25	0.31	120.0	246	0.32	0.39	120.0
	247	0.30	0.36	120.0	248	0.23	0.28	120.0	249	8.48e-03	6.78e-03	80.0
	254	0.65	2.35	360.0	267	0.70	3.09	440.0	275	0.37	1.21	325.5
	284	1.54	5.00	325.5	296	0.10	0.08	80.0	304	0.56	2.03	360.0
	310	0.25	0.30	120.0	311	0.55	0.66	120.0	312	0.57	0.69	120.0
	313	0.24	0.28	120.0	314	0.52	0.63	120.0	315	0.55	0.66	120.0
	316	0.13	0.15	120.0	317	0.29	0.34	120.0	318	0.33	0.40	120.0
	319	0.31	0.37	120.0	320	0.27	0.32	120.0	321	0.02	6.78e-03	40.0
	322	0.32	0.39	120.0	323	0.43	0.51	120.0	324	0.67	0.81	120.0
	325	0.31	0.37	120.0	326	0.41	0.49	120.0	327	0.66	0.79	120.0
	328	0.15	0.19	120.0	329	0.31	0.38	120.0	330	0.34	0.41	120.0
	331	0.32	0.38	120.0	332	0.29	0.35	120.0	333	0.13	0.11	80.0
	334	0.29	0.34	120.0	335	0.27	0.33	120.0	336	0.22	0.26	120.0
	337	0.16	0.19	120.0	338	0.19	0.23	120.0	348	0.27	1.19	440.0
	350	0.32	1.40	440.0	356	0.59	1.91	325.5	363	0.61	1.97	325.5
	364	0.66	2.14	325.5	369	0.64	2.08	325.5	375	0.31	0.25	80.0
	376	1.14	1.31	114.5	379	1.04	3.73	360.0	381	0.65	1.60	245.5
	382	0.53	1.91	360.0	383	0.37	1.33	360.0	384	0.43	1.55	360.0
	385	1.32	3.23	245.5	386	0.47	1.71	360.0	390	0.61	1.97	325.5
	392	0.96	1.10	114.5	393	0.97	3.50	360.0	396	0.09	0.07	80.0
	397	0.39	0.47	120.0	398	0.53	0.61	114.5	399	1.75	2.00	114.5
	403	0.61	0.70	114.5	407	0.55	1.97	360.0	408	0.57	2.05	360.0
	421	0.89	1.02	114.5	422	1.17	5.53	474.5	423	0.81	0.93	114.5
	424	1.08	5.12	474.5	425	1.00	3.60	360.0	429	0.66	2.37	360.0
	433	0.40	1.77	440.0	434	0.67	2.40	360.0	435	0.67	2.40	360.0
	436	0.53	2.32	440.0	437	0.78	2.79	360.0	438	0.65	2.33	360.0
	439	0.56	2.45	440.0	440	0.80	2.88	360.0	441	0.64	2.30	360.0
	442	0.12	0.10	80.0	443	0.71	2.56	360.0				
96	1	0.16	0.20	120.0	98	0.86	3.09	360.0	99	1.27	4.56	360.0
	100	1.37	4.94	360.0	101	0.14	0.11	80.0	102	0.63	0.76	120.0
	103	0.18	0.14	80.0	104	0.76	0.92	120.0	105	0.74	0.89	120.0
	106	0.59	2.60	440.0	107	1.08	3.89	360.0	108	1.20	4.33	360.0
	109	0.72	3.15	440.0	110	1.34	4.81	360.0	111	1.55	5.60	360.0
	112	0.89	3.90	440.0	113	1.40	5.05	360.0	114	1.40	5.04	360.0
	115	0.58	1.88	325.5	116	1.80	8.54	474.5	117	1.74	8.25	474.5
	118	1.04	3.40	325.5	119	3.42	8.41	245.5	120	1.27	4.57	360.0
	121	0.22	0.18	80.0	122	2.82	6.93	245.5	123	1.26	4.52	360.0

	124	0.22	0.17	80.0	125	1.42	5.12	360.0	126	1.62	5.82	360.0
	127	2.46	4.67	190.0	129	1.84	3.49	190.0	132	2.57	4.89	190.0
	134	1.44	5.17	360.0	135	1.84	3.49	190.0	137	2.36	4.49	190.0
	138	2.16	4.10	190.0	141	1.83	3.48	190.0	144	1.60	3.04	190.0
	145	0.88	3.86	440.0	146	1.44	5.18	360.0	147	1.39	4.99	360.0
	165	1.65	5.92	360.0	204	1.21	4.35	360.0	205	1.47	1.69	114.5
	207	1.95	4.78	245.5	212	2.29	8.25	360.0	215	0.64	2.09	325.5
	223	2.95	10.61	360.0	231	1.78	4.38	245.5	237	1.41	5.09	360.0
	244	0.03	0.03	80.0	245	0.30	0.36	120.0	246	0.38	0.46	120.0
	247	0.52	0.62	120.0	248	0.40	0.48	120.0	249	0.02	0.01	80.0
	254	1.40	5.04	360.0	267	1.05	4.62	440.0	275	0.20	0.65	325.5
	284	0.89	2.90	325.5	296	0.20	0.16	80.0	304	1.15	4.14	360.0
	310	0.47	0.57	120.0	311	1.04	1.25	120.0	312	1.07	1.28	120.0
	313	0.48	0.58	120.0	314	1.06	1.27	120.0	315	1.11	1.33	120.0
	316	0.08	0.10	120.0	317	0.34	0.41	120.0	318	0.40	0.48	120.0
	319	0.54	0.65	120.0	320	0.46	0.55	120.0	321	0.04	0.01	40.0
	322	0.60	0.72	120.0	323	0.72	0.86	120.0	324	1.30	1.56	120.0
	325	0.61	0.74	120.0	326	0.79	0.95	120.0	327	1.35	1.62	120.0
	328	0.26	0.32	120.0	329	0.38	0.45	120.0	330	0.41	0.49	120.0
	331	0.54	0.65	120.0	332	0.50	0.60	120.0	333	0.23	0.18	80.0
	334	0.47	0.57	120.0	335	0.52	0.63	120.0	336	0.26	0.31	120.0
	337	0.27	0.33	120.0	338	0.33	0.39	120.0	348	0.81	3.55	440.0
	350	0.70	3.06	440.0	356	0.57	1.87	325.5	363	0.76	2.48	325.5
	364	1.20	3.92	325.5	369	1.10	3.57	325.5	375	0.18	0.14	80.0
	376	1.94	2.23	114.5	379	1.99	7.17	360.0	381	1.26	3.10	245.5
	382	1.10	3.97	360.0	383	0.74	2.66	360.0	384	0.56	2.02	360.0
	385	0.94	2.31	245.5	386	0.89	3.19	360.0	390	0.87	2.83	325.5
	392	1.63	1.86	114.5	393	1.72	6.18	360.0	396	0.18	0.14	80.0
	397	0.69	0.83	120.0	398	0.95	1.09	114.5	399	1.10	1.26	114.5
	403	1.22	1.40	114.5	407	1.35	4.86	360.0	408	1.26	4.52	360.0
	421	1.55	1.77	114.5	422	1.92	9.12	474.5	423	1.42	1.63	114.5
	424	1.77	8.40	474.5	425	1.61	5.80	360.0	429	1.48	5.32	360.0
	433	0.92	4.03	440.0	434	1.53	5.51	360.0	435	1.49	5.35	360.0
	436	1.16	5.11	440.0	437	1.76	6.35	360.0	438	1.45	5.21	360.0
	439	1.18	5.20	440.0	440	1.76	6.35	360.0	441	1.42	5.13	360.0
	442	0.25	0.20	80.0	443	1.52	5.48	360.0				
97	1	0.15	0.18	120.0	98	0.78	2.82	360.0	99	1.14	4.11	360.0
	100	1.24	4.48	360.0	101	0.15	0.12	80.0	102	0.55	0.66	120.0
	103	0.17	0.13	80.0	104	0.69	0.83	120.0	105	0.64	0.77	120.0
	106	0.55	2.40	440.0	107	0.97	3.50	360.0	108	1.08	3.88	360.0
	109	0.67	2.95	440.0	110	1.19	4.29	360.0	111	1.45	5.21	360.0
	112	0.85	3.72	440.0	113	1.27	4.56	360.0	114	1.30	4.67	360.0
	115	0.67	2.19	325.5	116	1.83	8.71	474.5	117	1.79	8.51	474.5
	118	1.11	3.61	325.5	119	3.30	8.09	245.5	120	1.21	4.37	360.0
	121	0.21	0.17	80.0	122	2.69	6.60	245.5	123	1.17	4.20	360.0
	124	0.22	0.18	80.0	125	1.28	4.61	360.0	126	1.52	5.48	360.0
	127	2.26	4.30	190.0	129	1.73	3.29	190.0	132	2.50	4.75	190.0
	134	1.62	5.82	360.0	135	1.83	3.47	190.0	137	2.44	4.63	190.0
	138	2.12	4.03	190.0	141	1.73	3.29	190.0	144	1.59	3.02	190.0
	145	0.84	3.72	440.0	146	1.33	4.79	360.0	147	1.30	4.68	360.0
	165	1.14	4.09	360.0	204	1.13	4.07	360.0	205	1.38	1.59	114.5
	207	1.90	4.68	245.5	212	2.12	7.62	360.0	215	0.59	1.93	325.5
	223	2.72	9.78	360.0	231	1.73	4.26	245.5	237	1.32	4.77	360.0
	244	0.05	0.04	80.0	245	0.25	0.31	120.0	246	0.32	0.38	120.0
	247	0.43	0.52	120.0	248	0.34	0.41	120.0	249	0.02	0.01	80.0
	254	1.28	4.60	360.0	267	1.01	4.44	440.0	275	0.20	0.64	325.5
	284	0.91	2.96	325.5	296	0.18	0.14	80.0	304	1.07	3.85	360.0
	310	0.45	0.54	120.0	311	0.96	1.16	120.0	312	0.95	1.14	120.0
	313	0.45	0.54	120.0	314	0.97	1.16	120.0	315	0.98	1.18	120.0
	316	0.08	0.09	120.0	317	0.29	0.35	120.0	318	0.33	0.40	120.0
	319	0.44	0.53	120.0	320	0.38	0.45	120.0	321	0.04	0.01	40.0
	322	0.57	0.68	120.0	323	0.65	0.78	120.0	324	1.18	1.42	120.0
	325	0.57	0.69	120.0	326	0.71	0.85	120.0	327	1.22	1.46	120.0
	328	0.19	0.23	120.0	329	0.31	0.38	120.0	330	0.34	0.40	120.0
	331	0.44	0.53	120.0	332	0.41	0.49	120.0	333	0.20	0.16	80.0
	334	0.44	0.52	120.0	335	0.48	0.57	120.0	336	0.22	0.26	120.0
	337	0.22	0.27	120.0	338	0.27	0.32	120.0	348	0.76	3.33	440.0
	350	0.66	2.91	440.0	356	0.57	1.86	325.5	363	0.84	2.72	325.5
	364	1.23	4.00	325.5	369	1.07	3.48	325.5	375	0.18	0.14	80.0
	376	1.81	2.08	114.5	379	1.77	6.36	360.0	381	1.21	2.97	245.5
	382	1.06	3.82	360.0	383	0.70	2.51	360.0	384	0.52	1.88	360.0
	385	0.92	2.26	245.5	386	0.83	3.00	360.0	390	0.81	2.64	325.5
	392	1.57	1.80	114.5	393	1.55	5.59	360.0	396	0.16	0.13	80.0
	397	0.64	0.77	120.0	398	0.66	0.75	114.5	399	1.12	1.28	114.5
	403	0.99	1.13	114.5	407	0.78	2.80	360.0	408	1.15	4.13	360.0

	421	1.30	1.49	114.5	422	2.04	9.68	474.5	423	1.16	1.32	114.5
	424	1.91	9.08	474.5	425	2.28	8.22	360.0	429	1.39	5.00	360.0
	433	0.88	3.87	440.0	434	1.44	5.20	360.0	435	1.38	4.97	360.0
	436	1.13	4.95	440.0	437	1.68	6.06	360.0	438	1.33	4.80	360.0
	439	1.15	5.05	440.0	440	1.68	6.06	360.0	441	1.30	4.69	360.0
	442	0.25	0.20	80.0	443	1.44	5.18	360.0				
98	1	0.06	0.07	120.0	98	0.54	1.95	360.0	99	0.39	1.42	360.0
	100	0.55	1.97	360.0	101	0.10	0.08	80.0	102	0.30	0.36	120.0
	103	0.08	0.06	80.0	104	0.31	0.37	120.0	105	0.28	0.34	120.0
	106	0.27	1.20	440.0	107	0.47	1.68	360.0	108	0.50	1.78	360.0
	109	0.37	1.61	440.0	110	0.62	2.22	360.0	111	0.75	2.71	360.0
	112	0.44	1.95	440.0	113	0.62	2.25	360.0	114	0.68	2.46	360.0
	115	0.56	1.83	325.5	116	1.10	5.24	474.5	117	1.19	5.67	474.5
	118	1.61	5.23	325.5	119	0.86	2.11	245.5	120	0.87	3.14	360.0
	121	0.37	0.30	80.0	122	0.80	1.98	245.5	123	0.64	2.31	360.0
	124	0.12	0.09	80.0	125	0.61	2.21	360.0	126	0.74	2.66	360.0
	127	1.04	1.98	190.0	129	0.83	1.57	190.0	132	1.36	2.59	190.0
	134	0.92	3.31	360.0	135	1.16	2.21	190.0	137	1.37	2.59	190.0
	138	1.00	1.90	190.0	141	0.82	1.56	190.0	144	0.66	1.26	190.0
	145	0.40	1.74	440.0	146	0.59	2.12	360.0	147	0.53	1.92	360.0
	165	0.57	2.04	360.0	204	0.44	1.60	360.0	205	2.43	2.78	114.5
	207	1.02	2.49	245.5	212	0.49	1.75	360.0	215	1.08	3.50	325.5
	223	0.73	2.63	360.0	231	0.93	2.28	245.5	237	0.59	2.13	360.0
	244	0.07	0.06	80.0	245	0.20	0.24	120.0	246	0.24	0.28	120.0
	247	0.21	0.25	120.0	248	0.17	0.20	120.0	249	9.44e-03	7.55e-03	80.0
	254	0.53	1.90	360.0	267	0.66	2.92	440.0	275	0.38	1.23	325.5
	284	1.55	5.06	325.5	296	0.08	0.06	80.0	304	0.48	1.74	360.0
	310	0.22	0.27	120.0	311	0.46	0.55	120.0	312	0.44	0.53	120.0
	313	0.21	0.25	120.0	314	0.43	0.52	120.0	315	0.42	0.51	120.0
	316	0.13	0.15	120.0	317	0.22	0.26	120.0	318	0.24	0.29	120.0
	319	0.21	0.25	120.0	320	0.18	0.22	120.0	321	0.02	7.55e-03	40.0
	322	0.28	0.34	120.0	323	0.34	0.41	120.0	324	0.54	0.64	120.0
	325	0.26	0.32	120.0	326	0.32	0.38	120.0	327	0.52	0.63	120.0
	328	0.12	0.15	120.0	329	0.23	0.28	120.0	330	0.25	0.30	120.0
	331	0.21	0.25	120.0	332	0.20	0.24	120.0	333	0.10	0.08	80.0
	334	0.24	0.29	120.0	335	0.22	0.27	120.0	336	0.17	0.20	120.0
	337	0.11	0.13	120.0	338	0.13	0.16	120.0	348	0.27	1.20	440.0
	350	0.28	1.25	440.0	356	0.58	1.90	325.5	363	0.64	2.09	325.5
	364	0.67	2.17	325.5	369	0.61	1.99	325.5	375	0.31	0.25	80.0
	376	1.04	1.19	114.5	379	1.03	3.72	360.0	381	0.61	1.49	245.5
	382	0.49	1.76	360.0	383	0.33	1.19	360.0	384	0.39	1.41	360.0
	385	1.32	3.25	245.5	386	0.42	1.51	360.0	390	0.70	2.29	325.5
	392	0.90	1.03	114.5	393	0.87	3.14	360.0	396	0.08	0.06	80.0
	397	0.32	0.38	120.0	398	0.19	0.22	114.5	399	1.78	2.04	114.5
	403	0.33	0.37	114.5	407	0.47	1.69	360.0	408	0.46	1.67	360.0
	421	0.69	0.79	114.5	422	0.81	3.84	474.5	423	0.61	0.70	114.5
	424	0.70	3.34	474.5	425	0.81	2.90	360.0	429	0.57	2.04	360.0
	433	0.36	1.60	440.0	434	0.58	2.08	360.0	435	0.56	2.01	360.0
	436	0.49	2.17	440.0	437	0.69	2.50	360.0	438	0.53	1.91	360.0
	439	0.52	2.30	440.0	440	0.72	2.58	360.0	441	0.52	1.87	360.0
	442	0.12	0.10	80.0	443	0.63	2.26	360.0				
99	1	0.11	0.14	120.0	98	0.78	2.81	360.0	99	0.83	3.00	360.0
	100	0.85	3.05	360.0	101	0.19	0.15	80.0	102	0.53	0.63	120.0
	103	0.14	0.11	80.0	104	0.56	0.67	120.0	105	0.50	0.60	120.0
	106	0.40	1.76	440.0	107	0.71	2.54	360.0	108	0.79	2.86	360.0
	109	0.43	1.89	440.0	110	0.77	2.76	360.0	111	0.94	3.37	360.0
	112	0.60	2.65	440.0	113	0.87	3.13	360.0	114	0.76	2.73	360.0
	115	1.75	5.69	325.5	116	0.95	4.52	474.5	117	0.87	4.14	474.5
	118	1.92	6.27	325.5	119	0.74	1.82	245.5	120	0.62	2.22	360.0
	121	0.39	0.31	80.0	122	0.59	1.44	245.5	123	0.64	2.32	360.0
	124	0.13	0.11	80.0	125	0.74	2.68	360.0	126	0.92	3.32	360.0
	127	1.41	2.69	190.0	129	1.34	2.55	190.0	132	1.52	2.89	190.0
	134	1.09	3.93	360.0	135	0.81	1.55	190.0	137	1.39	2.63	190.0
	138	1.22	2.32	190.0	141	1.00	1.89	190.0	144	1.14	2.16	190.0
	145	0.46	2.03	440.0	146	0.77	2.78	360.0	147	0.84	3.03	360.0
	165	0.65	2.35	360.0	204	0.79	2.86	360.0	205	2.95	3.38	114.5
	207	0.97	2.38	245.5	212	0.57	2.06	360.0	215	1.19	3.88	325.5
	223	0.66	2.36	360.0	231	0.91	2.24	245.5	237	0.86	3.10	360.0
	244	0.06	0.05	80.0	245	0.28	0.33	120.0	246	0.36	0.43	120.0
	247	0.28	0.34	120.0	248	0.22	0.27	120.0	249	0.01	0.01	80.0
	254	0.88	3.18	360.0	267	0.47	2.06	440.0	275	1.72	5.59	325.5
	284	1.90	6.18	325.5	296	0.12	0.09	80.0	304	0.73	2.63	360.0
	310	0.39	0.47	120.0	311	0.84	1.00	120.0	312	0.83	1.00	120.0
	313	0.38	0.46	120.0	314	0.79	0.94	120.0	315	0.78	0.94	120.0
	316	0.13	0.15	120.0	317	0.32	0.38	120.0	318	0.37	0.45	120.0

	319	0.29	0.34	120.0	320	0.24	0.29	120.0	321	0.03	0.01	40.0
	322	0.49	0.59	120.0	323	0.59	0.71	120.0	324	0.98	1.17	120.0
	325	0.47	0.57	120.0	326	0.56	0.67	120.0	327	0.95	1.14	120.0
	328	0.15	0.18	120.0	329	0.35	0.42	120.0	330	0.38	0.46	120.0
	331	0.29	0.35	120.0	332	0.27	0.32	120.0	333	0.13	0.10	80.0
	334	0.40	0.48	120.0	335	0.37	0.45	120.0	336	0.24	0.29	120.0
	337	0.14	0.17	120.0	338	0.17	0.21	120.0	348	0.62	2.71	440.0
	350	0.38	1.67	440.0	356	0.28	0.92	325.5	363	0.50	1.64	325.5
	364	0.60	1.96	325.5	369	0.44	1.42	325.5	375	0.31	0.25	80.0
	376	0.74	0.85	114.5	379	0.87	3.13	360.0	381	0.49	1.21	245.5
	382	0.77	2.78	360.0	383	0.47	1.68	360.0	384	0.51	1.83	360.0
	385	1.49	3.66	245.5	386	0.47	1.68	360.0	390	0.54	1.75	325.5
	392	0.72	0.82	114.5	393	0.62	2.22	360.0	396	0.14	0.11	80.0
	397	0.57	0.68	120.0	398	0.46	0.52	114.5	399	2.00	2.28	114.5
	403	0.67	0.76	114.5	407	0.42	1.52	360.0	408	0.69	2.48	360.0
	421	0.63	0.72	114.5	422	0.99	4.70	474.5	423	0.57	0.66	114.5
	424	0.93	4.43	474.5	425	1.24	4.46	360.0	429	0.87	3.13	360.0
	433	0.57	2.52	440.0	434	0.98	3.54	360.0	435	0.95	3.41	360.0
	436	0.76	3.36	440.0	437	1.20	4.33	360.0	438	0.97	3.48	360.0
	439	0.81	3.57	440.0	440	1.23	4.44	360.0	441	0.94	3.37	360.0
	442	0.21	0.17	80.0	443	1.05	3.80	360.0				
100	1	0.19	0.23	120.0	98	1.00	3.59	360.0	99	1.64	5.91	360.0
	100	1.57	5.64	360.0	101	0.11	0.09	80.0	102	0.75	0.90	120.0
	103	0.22	0.17	80.0	104	0.91	1.09	120.0	105	0.87	1.04	120.0
	106	0.66	2.93	440.0	107	1.21	4.36	360.0	108	1.38	4.95	360.0
	109	0.75	3.28	440.0	110	1.40	5.03	360.0	111	1.65	5.95	360.0
	112	1.06	4.65	440.0	113	1.55	5.59	360.0	114	1.38	4.96	360.0
	115	1.73	5.63	325.5	116	1.62	7.69	474.5	117	1.58	7.48	474.5
	118	1.15	3.74	325.5	119	4.13	10.15	245.5	120	1.30	4.70	360.0
	121	0.26	0.21	80.0	122	3.02	7.41	245.5	123	1.19	4.28	360.0
	124	0.21	0.17	80.0	125	1.43	5.15	360.0	126	1.66	5.97	360.0
	127	2.61	4.96	190.0	129	2.09	3.98	190.0	132	2.69	5.11	190.0
	134	1.60	5.76	360.0	135	1.71	3.25	190.0	137	2.39	4.53	190.0
	138	2.20	4.18	190.0	141	1.89	3.60	190.0	144	1.74	3.30	190.0
	145	0.96	4.24	440.0	146	1.56	5.62	360.0	147	1.49	5.35	360.0
	165	1.54	5.53	360.0	204	1.27	4.58	360.0	205	1.78	2.04	114.5
	207	2.00	4.91	245.5	212	2.42	8.72	360.0	215	0.72	2.34	325.5
	223	3.41	12.26	360.0	231	1.76	4.32	245.5	237	1.47	5.28	360.0
	244	0.04	0.03	80.0	245	0.32	0.38	120.0	246	0.40	0.48	120.0
	247	0.56	0.67	120.0	248	0.43	0.52	120.0	249	0.02	0.02	80.0
	254	1.62	5.83	360.0	267	0.86	3.77	440.0	275	1.67	5.42	325.5
	284	1.05	3.42	325.5	296	0.23	0.19	80.0	304	1.33	4.78	360.0
	310	0.58	0.70	120.0	311	1.27	1.53	120.0	312	1.29	1.55	120.0
	313	0.59	0.71	120.0	314	1.28	1.53	120.0	315	1.32	1.59	120.0
	316	0.08	0.09	120.0	317	0.36	0.43	120.0	318	0.42	0.50	120.0
	319	0.58	0.69	120.0	320	0.49	0.59	120.0	321	0.04	0.02	40.0
	322	0.74	0.89	120.0	323	0.86	1.03	120.0	324	1.54	1.84	120.0
	325	0.75	0.90	120.0	326	0.94	1.12	120.0	327	1.60	1.91	120.0
	328	0.25	0.29	120.0	329	0.39	0.47	120.0	330	0.42	0.50	120.0
	331	0.58	0.70	120.0	332	0.53	0.64	120.0	333	0.25	0.20	80.0
	334	0.56	0.68	120.0	335	0.62	0.74	120.0	336	0.27	0.33	120.0
	337	0.29	0.35	120.0	338	0.35	0.42	120.0	348	0.88	3.87	440.0
	350	0.74	3.25	440.0	356	0.24	0.79	325.5	363	0.58	1.90	325.5
	364	1.28	4.16	325.5	369	1.16	3.79	325.5	375	0.15	0.12	80.0
	376	2.03	2.33	114.5	379	2.04	7.36	360.0	381	1.27	3.11	245.5
	382	1.30	4.70	360.0	383	0.85	3.06	360.0	384	0.66	2.36	360.0
	385	1.00	2.45	245.5	386	0.86	3.11	360.0	390	0.98	3.18	325.5
	392	1.60	1.83	114.5	393	1.56	5.61	360.0	396	0.21	0.17	80.0
	397	0.84	1.00	120.0	398	0.96	1.10	114.5	399	1.31	1.50	114.5
	403	1.28	1.46	114.5	407	1.28	4.62	360.0	408	1.37	4.92	360.0
	421	1.52	1.74	114.5	422	1.74	8.27	474.5	423	1.39	1.60	114.5
	424	1.58	7.48	474.5	425	1.59	5.74	360.0	429	1.61	5.81	360.0
	433	1.02	4.50	440.0	434	1.74	6.28	360.0	435	1.71	6.14	360.0
	436	1.31	5.76	440.0	437	2.05	7.39	360.0	438	1.71	6.16	360.0
	439	1.36	5.98	440.0	440	2.08	7.48	360.0	441	1.68	6.04	360.0
	442	0.25	0.20	80.0	443	1.79	6.46	360.0				
101	1	0.18	0.21	120.0	98	0.95	3.42	360.0	99	1.40	5.03	360.0
	100	1.44	5.18	360.0	101	0.12	0.09	80.0	102	0.70	0.84	120.0
	103	0.21	0.17	80.0	104	0.85	1.02	120.0	105	0.77	0.93	120.0
	106	0.62	2.74	440.0	107	1.11	3.99	360.0	108	1.25	4.51	360.0
	109	0.70	3.09	440.0	110	1.26	4.55	360.0	111	1.54	5.55	360.0
	112	1.02	4.49	440.0	113	1.43	5.14	360.0	114	1.27	4.59	360.0
	115	1.76	5.71	325.5	116	1.65	7.85	474.5	117	1.64	7.76	474.5
	118	1.18	3.83	325.5	119	4.08	10.02	245.5	120	1.27	4.56	360.0
	121	0.25	0.20	80.0	122	2.96	7.27	245.5	123	1.10	3.96	360.0

	124	0.22	0.18	80.0	125	1.29	4.65	360.0	126	1.57	5.64	360.0
	127	2.42	4.59	190.0	129	2.01	3.81	190.0	132	2.62	4.99	190.0
	134	1.75	6.31	360.0	135	1.71	3.24	190.0	137	2.46	4.68	190.0
	138	2.16	4.10	190.0	141	1.79	3.39	190.0	144	1.73	3.29	190.0
	145	0.93	4.09	440.0	146	1.45	5.23	360.0	147	1.40	5.06	360.0
	165	1.11	3.99	360.0	204	1.21	4.34	360.0	205	1.65	1.89	114.5
	207	1.96	4.81	245.5	212	2.31	8.33	360.0	215	0.66	2.15	325.5
	223	3.27	11.78	360.0	231	1.72	4.21	245.5	237	1.38	4.96	360.0
	244	0.03	0.02	80.0	245	0.30	0.36	120.0	246	0.39	0.47	120.0
	247	0.47	0.57	120.0	248	0.37	0.45	120.0	249	0.02	0.02	80.0
	254	1.50	5.39	360.0	267	0.82	3.59	440.0	275	1.66	5.41	325.5
	284	1.03	3.36	325.5	296	0.21	0.17	80.0	304	1.25	4.49	360.0
	310	0.56	0.67	120.0	311	1.20	1.45	120.0	312	1.19	1.43	120.0
	313	0.57	0.68	120.0	314	1.19	1.43	120.0	315	1.20	1.44	120.0
	316	0.07	0.08	120.0	317	0.35	0.42	120.0	318	0.41	0.49	120.0
	319	0.49	0.58	120.0	320	0.42	0.50	120.0	321	0.04	0.02	40.0
	322	0.71	0.86	120.0	323	0.81	0.97	120.0	324	1.43	1.72	120.0
	325	0.71	0.86	120.0	326	0.86	1.03	120.0	327	1.47	1.76	120.0
	328	0.23	0.28	120.0	329	0.38	0.46	120.0	330	0.41	0.49	120.0
	331	0.49	0.59	120.0	332	0.45	0.54	120.0	333	0.21	0.17	80.0
	334	0.54	0.65	120.0	335	0.57	0.69	120.0	336	0.26	0.31	120.0
	337	0.24	0.29	120.0	338	0.29	0.35	120.0	348	0.83	3.64	440.0
	350	0.71	3.10	440.0	356	0.24	0.79	325.5	363	0.69	2.24	325.5
	364	1.30	4.24	325.5	369	1.14	3.70	325.5	375	0.14	0.12	80.0
	376	1.90	2.17	114.5	379	1.82	6.55	360.0	381	1.22	2.98	245.5
	382	1.27	4.56	360.0	383	0.81	2.92	360.0	384	0.63	2.27	360.0
	385	0.95	2.33	245.5	386	0.81	2.93	360.0	390	0.86	2.79	325.5
	392	1.54	1.76	114.5	393	1.41	5.09	360.0	396	0.20	0.16	80.0
	397	0.80	0.95	120.0	398	0.67	0.77	114.5	399	1.26	1.44	114.5
	403	1.06	1.21	114.5	407	0.82	2.97	360.0	408	1.26	4.52	360.0
	421	1.24	1.42	114.5	422	1.86	8.83	474.5	423	1.10	1.26	114.5
	424	1.73	8.19	474.5	425	2.24	8.07	360.0	429	1.53	5.49	360.0
	433	0.99	4.34	440.0	434	1.66	5.97	360.0	435	1.60	5.77	360.0
	436	1.27	5.61	440.0	437	1.97	7.11	360.0	438	1.60	5.76	360.0
	439	1.33	5.84	440.0	440	2.00	7.19	360.0	441	1.56	5.61	360.0
	442	0.25	0.20	80.0	443	1.71	6.17	360.0				
102	1	0.12	0.15	120.0	98	0.79	2.86	360.0	99	0.83	2.98	360.0
	100	0.97	3.49	360.0	101	0.18	0.14	80.0	102	0.55	0.66	120.0
	103	0.15	0.12	80.0	104	0.62	0.74	120.0	105	0.59	0.71	120.0
	106	0.44	1.94	440.0	107	0.80	2.89	360.0	108	0.91	3.29	360.0
	109	0.47	2.07	440.0	110	0.89	3.22	360.0	111	1.05	3.78	360.0
	112	0.64	2.80	440.0	113	0.99	3.56	360.0	114	0.86	3.11	360.0
	115	1.74	5.65	325.5	116	0.93	4.40	474.5	117	0.82	3.90	474.5
	118	1.93	6.28	325.5	119	0.74	1.81	245.5	120	0.67	2.42	360.0
	121	0.40	0.32	80.0	122	0.61	1.49	245.5	123	0.73	2.64	360.0
	124	0.12	0.10	80.0	125	0.88	3.17	360.0	126	1.01	3.64	360.0
	127	1.60	3.04	190.0	129	1.41	2.67	190.0	132	1.57	2.99	190.0
	134	0.97	3.49	360.0	135	0.82	1.55	190.0	137	1.31	2.48	190.0
	138	1.27	2.41	190.0	141	1.11	2.10	190.0	144	1.15	2.19	190.0
	145	0.50	2.18	440.0	146	0.88	3.18	360.0	147	0.92	3.31	360.0
	165	1.03	3.69	360.0	204	0.87	3.14	360.0	205	3.02	3.46	114.5
	207	1.00	2.44	245.5	212	0.75	2.71	360.0	215	1.22	3.97	325.5
	223	0.88	3.17	360.0	231	0.94	2.31	245.5	237	0.95	3.41	360.0
	244	0.07	0.06	80.0	245	0.26	0.32	120.0	246	0.33	0.39	120.0
	247	0.36	0.43	120.0	248	0.27	0.33	120.0	249	0.01	0.01	80.0
	254	1.00	3.61	360.0	267	0.51	2.23	440.0	275	1.72	5.60	325.5
	284	1.92	6.24	325.5	296	0.14	0.11	80.0	304	0.81	2.91	360.0
	310	0.41	0.49	120.0	311	0.89	1.07	120.0	312	0.91	1.09	120.0
	313	0.41	0.49	120.0	314	0.87	1.04	120.0	315	0.90	1.08	120.0
	316	0.13	0.16	120.0	317	0.30	0.36	120.0	318	0.34	0.41	120.0
	319	0.37	0.44	120.0	320	0.31	0.37	120.0	321	0.03	0.01	40.0
	322	0.52	0.62	120.0	323	0.62	0.74	120.0	324	1.06	1.27	120.0
	325	0.51	0.61	120.0	326	0.63	0.76	120.0	327	1.08	1.29	120.0
	328	0.13	0.16	120.0	329	0.32	0.38	120.0	330	0.34	0.41	120.0
	331	0.37	0.45	120.0	332	0.34	0.41	120.0	333	0.16	0.13	80.0
	334	0.41	0.49	120.0	335	0.41	0.50	120.0	336	0.22	0.27	120.0
	337	0.18	0.22	120.0	338	0.22	0.27	120.0	348	0.67	2.93	440.0
	350	0.41	1.80	440.0	356	0.28	0.91	325.5	363	0.41	1.35	325.5
	364	0.56	1.81	325.5	369	0.47	1.52	325.5	375	0.31	0.25	80.0
	376	0.91	1.05	114.5	379	1.18	4.26	360.0	381	0.55	1.34	245.5
	382	0.81	2.91	360.0	383	0.51	1.82	360.0	384	0.52	1.86	360.0
	385	1.52	3.74	245.5	386	0.52	1.86	360.0	390	0.72	2.33	325.5
	392	0.77	0.88	114.5	393	0.77	2.78	360.0	396	0.14	0.12	80.0
	397	0.59	0.71	120.0	398	0.70	0.80	114.5	399	2.04	2.34	114.5
	403	0.86	0.99	114.5	407	0.86	3.10	360.0	408	0.80	2.88	360.0

	421	0.93	1.06	114.5	422	0.89	4.20	474.5	423	0.88	1.01	114.5
	424	0.81	3.83	474.5	425	0.63	2.26	360.0	429	0.95	3.42	360.0
	433	0.61	2.68	440.0	434	1.07	3.84	360.0	435	1.04	3.76	360.0
	436	0.80	3.50	440.0	437	1.28	4.60	360.0	438	1.07	3.87	360.0
	439	0.84	3.71	440.0	440	1.31	4.71	360.0	441	1.05	3.78	360.0
	442	0.22	0.18	80.0	443	1.13	4.08	360.0				
103	1	0.11	0.13	120.0	98	0.75	2.71	360.0	99	0.76	2.74	360.0
	100	0.86	3.08	360.0	101	0.13	0.10	80.0	102	0.52	0.62	120.0
	103	0.14	0.11	80.0	104	0.54	0.65	120.0	105	0.49	0.58	120.0
	106	0.39	1.70	440.0	107	0.68	2.46	360.0	108	0.77	2.79	360.0
	109	0.41	1.81	440.0	110	0.73	2.64	360.0	111	0.90	3.25	360.0
	112	0.62	2.74	440.0	113	0.86	3.11	360.0	114	0.71	2.55	360.0
	115	1.74	5.67	325.5	116	0.88	4.16	474.5	117	0.82	3.87	474.5
	118	1.86	6.04	325.5	119	0.56	1.36	245.5	120	0.62	2.24	360.0
	121	0.38	0.30	80.0	122	0.53	1.29	245.5	123	0.60	2.15	360.0
	124	0.13	0.10	80.0	125	0.72	2.60	360.0	126	0.90	3.24	360.0
	127	1.40	2.66	190.0	129	1.32	2.50	190.0	132	1.50	2.85	190.0
	134	1.08	3.87	360.0	135	0.82	1.55	190.0	137	1.38	2.62	190.0
	138	1.22	2.32	190.0	141	1.01	1.92	190.0	144	1.09	2.08	190.0
	145	0.50	2.22	440.0	146	0.81	2.91	360.0	147	0.84	3.02	360.0
	165	0.62	2.23	360.0	204	0.75	2.72	360.0	205	2.86	3.28	114.5
	207	1.03	2.52	245.5	212	0.62	2.23	360.0	215	1.16	3.79	325.5
	223	0.81	2.90	360.0	231	0.92	2.26	245.5	237	0.83	2.98	360.0
	244	0.06	0.05	80.0	245	0.27	0.32	120.0	246	0.35	0.42	120.0
	247	0.27	0.33	120.0	248	0.22	0.26	120.0	249	0.01	0.01	80.0
	254	0.90	3.25	360.0	267	0.41	1.82	440.0	275	1.72	5.59	325.5
	284	1.83	5.96	325.5	296	0.12	0.10	80.0	304	0.74	2.68	360.0
	310	0.38	0.46	120.0	311	0.82	0.98	120.0	312	0.81	0.98	120.0
	313	0.37	0.45	120.0	314	0.77	0.92	120.0	315	0.77	0.92	120.0
	316	0.13	0.15	120.0	317	0.31	0.37	120.0	318	0.36	0.43	120.0
	319	0.28	0.34	120.0	320	0.24	0.29	120.0	321	0.03	0.01	40.0
	322	0.48	0.58	120.0	323	0.58	0.69	120.0	324	0.96	1.15	120.0
	325	0.46	0.56	120.0	326	0.54	0.65	120.0	327	0.93	1.12	120.0
	328	0.14	0.17	120.0	329	0.34	0.41	120.0	330	0.37	0.44	120.0
	331	0.28	0.34	120.0	332	0.26	0.31	120.0	333	0.12	0.10	80.0
	334	0.39	0.46	120.0	335	0.37	0.44	120.0	336	0.23	0.28	120.0
	337	0.14	0.17	120.0	338	0.17	0.20	120.0	348	0.61	2.66	440.0
	350	0.39	1.74	440.0	356	0.20	0.64	325.5	363	0.46	1.49	325.5
	364	0.67	2.18	325.5	369	0.53	1.73	325.5	375	0.30	0.24	80.0
	376	0.88	1.01	114.5	379	0.93	3.36	360.0	381	0.53	1.30	245.5
	382	0.77	2.78	360.0	383	0.48	1.72	360.0	384	0.50	1.79	360.0
	385	1.45	3.56	245.5	386	0.45	1.62	360.0	390	0.56	1.81	325.5
	392	0.76	0.87	114.5	393	0.64	2.29	360.0	396	0.13	0.11	80.0
	397	0.55	0.66	120.0	398	0.42	0.48	114.5	399	1.95	2.23	114.5
	403	0.64	0.74	114.5	407	0.47	1.71	360.0	408	0.71	2.57	360.0
	421	0.61	0.70	114.5	422	0.95	4.48	474.5	423	0.54	0.62	114.5
	424	0.88	4.17	474.5	425	1.25	4.49	360.0	429	0.89	3.21	360.0
	433	0.59	2.59	440.0	434	1.00	3.62	360.0	435	0.97	3.50	360.0
	436	0.77	3.39	440.0	437	1.22	4.40	360.0	438	0.99	3.57	360.0
	439	0.81	3.58	440.0	440	1.24	4.48	360.0	441	0.96	3.46	360.0
	442	0.20	0.16	80.0	443	1.06	3.82	360.0				
104	1	0.19	0.23	120.0	98	1.02	3.66	360.0	99	1.56	5.62	360.0
	100	1.55	5.58	360.0	101	0.17	0.13	80.0	102	0.76	0.91	120.0
	103	0.22	0.18	80.0	104	0.92	1.11	120.0	105	0.88	1.06	120.0
	106	0.68	2.99	440.0	107	1.24	4.45	360.0	108	1.40	5.03	360.0
	109	0.77	3.37	440.0	110	1.43	5.16	360.0	111	1.69	6.08	360.0
	112	1.04	4.58	440.0	113	1.57	5.64	360.0	114	1.42	5.13	360.0
	115	1.74	5.65	325.5	116	1.70	8.04	474.5	117	1.63	7.73	474.5
	118	1.22	3.97	325.5	119	3.85	9.46	245.5	120	1.30	4.67	360.0
	121	0.28	0.22	80.0	122	2.91	7.15	245.5	123	1.23	4.44	360.0
	124	0.22	0.17	80.0	125	1.46	5.25	360.0	126	1.68	6.06	360.0
	127	2.62	4.97	190.0	129	2.11	4.02	190.0	132	2.70	5.14	190.0
	134	1.62	5.82	360.0	135	1.71	3.25	190.0	137	2.39	4.54	190.0
	138	2.20	4.18	190.0	141	1.88	3.57	190.0	144	1.78	3.38	190.0
	145	0.92	4.04	440.0	146	1.52	5.48	360.0	147	1.49	5.36	360.0
	165	1.61	5.79	360.0	204	1.31	4.73	360.0	205	1.87	2.15	114.5
	207	1.93	4.74	245.5	212	2.37	8.54	360.0	215	0.76	2.47	325.5
	223	3.27	11.76	360.0	231	1.75	4.30	245.5	237	1.50	5.41	360.0
	244	0.04	0.03	80.0	245	0.32	0.39	120.0	246	0.41	0.49	120.0
	247	0.56	0.68	120.0	248	0.44	0.52	120.0	249	0.02	0.02	80.0
	254	1.59	5.74	360.0	267	0.92	4.06	440.0	275	1.67	5.43	325.5
	284	1.12	3.63	325.5	296	0.23	0.18	80.0	304	1.31	4.71	360.0
	310	0.59	0.71	120.0	311	1.29	1.55	120.0	312	1.31	1.57	120.0
	313	0.60	0.72	120.0	314	1.29	1.55	120.0	315	1.34	1.61	120.0
	316	0.08	0.09	120.0	317	0.37	0.44	120.0	318	0.42	0.51	120.0

	319	0.58	0.70	120.0	320	0.49	0.59	120.0	321	0.04	0.02	40.0
	322	0.75	0.90	120.0	323	0.87	1.05	120.0	324	1.56	1.87	120.0
	325	0.76	0.91	120.0	326	0.95	1.14	120.0	327	1.62	1.94	120.0
	328	0.25	0.30	120.0	329	0.40	0.48	120.0	330	0.43	0.51	120.0
	331	0.59	0.71	120.0	332	0.54	0.65	120.0	333	0.25	0.20	80.0
	334	0.57	0.68	120.0	335	0.63	0.75	120.0	336	0.28	0.33	120.0
	337	0.29	0.35	120.0	338	0.35	0.42	120.0	348	0.88	3.88	440.0
	350	0.72	3.16	440.0	356	0.16	0.51	325.5	363	0.56	1.81	325.5
	364	1.20	3.89	325.5	369	1.07	3.49	325.5	375	0.16	0.12	80.0
	376	1.90	2.18	114.5	379	1.98	7.11	360.0	381	1.23	3.01	245.5
	382	1.30	4.67	360.0	383	0.83	3.00	360.0	384	0.65	2.35	360.0
	385	1.04	2.56	245.5	386	0.88	3.18	360.0	390	0.95	3.09	325.5
	392	1.56	1.78	114.5	393	1.54	5.56	360.0	396	0.22	0.17	80.0
	397	0.85	1.02	120.0	398	0.99	1.14	114.5	399	1.35	1.55	114.5
	403	1.30	1.49	114.5	407	1.27	4.56	360.0	408	1.34	4.81	360.0
	421	1.54	1.76	114.5	422	1.79	8.50	474.5	423	1.42	1.62	114.5
	424	1.63	7.75	474.5	425	1.57	5.66	360.0	429	1.59	5.71	360.0
	433	1.01	4.42	440.0	434	1.72	6.18	360.0	435	1.68	6.04	360.0
	436	1.30	5.71	440.0	437	2.03	7.31	360.0	438	1.68	6.06	360.0
	439	1.36	5.96	440.0	440	2.06	7.42	360.0	441	1.65	5.93	360.0
	442	0.26	0.21	80.0	443	1.78	6.41	360.0				
105	1	0.18	0.21	120.0	98	0.97	3.50	360.0	99	1.33	4.79	360.0
	100	1.42	5.13	360.0	101	0.18	0.14	80.0	102	0.71	0.85	120.0
	103	0.21	0.17	80.0	104	0.86	1.03	120.0	105	0.78	0.94	120.0
	106	0.64	2.81	440.0	107	1.13	4.08	360.0	108	1.27	4.58	360.0
	109	0.72	3.18	440.0	110	1.30	4.67	360.0	111	1.58	5.68	360.0
	112	1.00	4.42	440.0	113	1.44	5.18	360.0	114	1.32	4.76	360.0
	115	1.76	5.74	325.5	116	1.73	8.20	474.5	117	1.69	8.00	474.5
	118	1.25	4.05	325.5	119	3.80	9.33	245.5	120	1.25	4.50	360.0
	121	0.26	0.21	80.0	122	2.85	7.00	245.5	123	1.14	4.12	360.0
	124	0.23	0.18	80.0	125	1.32	4.74	360.0	126	1.59	5.72	360.0
	127	2.43	4.61	190.0	129	2.03	3.85	190.0	132	2.64	5.02	190.0
	134	1.77	6.37	360.0	135	1.70	3.24	190.0	137	2.47	4.69	190.0
	138	2.15	4.09	190.0	141	1.77	3.37	190.0	144	1.77	3.36	190.0
	145	0.88	3.89	440.0	146	1.41	5.08	360.0	147	1.41	5.07	360.0
	165	1.17	4.19	360.0	204	1.24	4.47	360.0	205	1.75	2.00	114.5
	207	1.90	4.65	245.5	212	2.26	8.12	360.0	215	0.69	2.26	325.5
	223	3.12	11.22	360.0	231	1.71	4.19	245.5	237	1.41	5.09	360.0
	244	0.03	0.02	80.0	245	0.31	0.37	120.0	246	0.40	0.47	120.0
	247	0.48	0.58	120.0	248	0.38	0.45	120.0	249	0.02	0.02	80.0
	254	1.47	5.30	360.0	267	0.88	3.88	440.0	275	1.66	5.41	325.5
	284	1.10	3.58	325.5	296	0.20	0.16	80.0	304	1.23	4.42	360.0
	310	0.57	0.68	120.0	311	1.22	1.47	120.0	312	1.21	1.45	120.0
	313	0.58	0.69	120.0	314	1.21	1.45	120.0	315	1.22	1.46	120.0
	316	0.07	0.08	120.0	317	0.36	0.43	120.0	318	0.41	0.50	120.0
	319	0.49	0.59	120.0	320	0.42	0.51	120.0	321	0.04	0.02	40.0
	322	0.72	0.87	120.0	323	0.82	0.99	120.0	324	1.45	1.75	120.0
	325	0.72	0.87	120.0	326	0.87	1.04	120.0	327	1.49	1.78	120.0
	328	0.24	0.28	120.0	329	0.39	0.47	120.0	330	0.42	0.50	120.0
	331	0.50	0.60	120.0	332	0.46	0.55	120.0	333	0.22	0.17	80.0
	334	0.55	0.66	120.0	335	0.58	0.70	120.0	336	0.26	0.32	120.0
	337	0.25	0.30	120.0	338	0.30	0.36	120.0	348	0.83	3.66	440.0
	350	0.69	3.02	440.0	356	0.16	0.51	325.5	363	0.66	2.16	325.5
	364	1.22	3.98	325.5	369	1.04	3.40	325.5	375	0.15	0.12	80.0
	376	1.76	2.02	114.5	379	1.74	6.26	360.0	381	1.17	2.88	245.5
	382	1.26	4.53	360.0	383	0.79	2.86	360.0	384	0.63	2.27	360.0
	385	1.00	2.44	245.5	386	0.83	2.99	360.0	390	0.83	2.69	325.5
	392	1.50	1.72	114.5	393	1.40	5.03	360.0	396	0.21	0.17	80.0
	397	0.81	0.97	120.0	398	0.71	0.81	114.5	399	1.31	1.50	114.5
	403	1.08	1.24	114.5	407	0.78	2.80	360.0	408	1.23	4.41	360.0
	421	1.26	1.45	114.5	422	1.91	9.04	474.5	423	1.13	1.30	114.5
	424	1.78	8.42	474.5	425	2.23	8.03	360.0	429	1.50	5.40	360.0
	433	0.97	4.26	440.0	434	1.63	5.87	360.0	435	1.57	5.67	360.0
	436	1.26	5.56	440.0	437	1.95	7.03	360.0	438	1.57	5.65	360.0
	439	1.32	5.82	440.0	440	1.98	7.14	360.0	441	1.53	5.51	360.0
	442	0.25	0.20	80.0	443	1.70	6.12	360.0				
106	1	0.12	0.15	120.0	98	0.77	2.76	360.0	99	0.80	2.88	360.0
	100	0.98	3.53	360.0	101	0.12	0.10	80.0	102	0.54	0.64	120.0
	103	0.14	0.12	80.0	104	0.60	0.73	120.0	105	0.58	0.69	120.0
	106	0.43	1.87	440.0	107	0.78	2.81	360.0	108	0.89	3.22	360.0
	109	0.45	1.99	440.0	110	0.86	3.10	360.0	111	1.02	3.66	360.0
	112	0.66	2.88	440.0	113	0.98	3.53	360.0	114	0.81	2.93	360.0
	115	1.73	5.63	325.5	116	0.85	4.04	474.5	117	0.76	3.60	474.5
	118	1.86	6.06	325.5	119	0.57	1.40	245.5	120	0.67	2.41	360.0
	121	0.38	0.31	80.0	122	0.56	1.37	245.5	123	0.69	2.48	360.0

	124	0.12	0.10	80.0	125	0.86	3.09	360.0	126	0.99	3.56	360.0
	127	1.59	3.02	190.0	129	1.38	2.62	190.0	132	1.56	2.96	190.0
	134	0.95	3.43	360.0	135	0.82	1.55	190.0	137	1.30	2.47	190.0
	138	1.27	2.42	190.0	141	1.12	2.13	190.0	144	1.10	2.09	190.0
	145	0.54	2.37	440.0	146	0.92	3.31	360.0	147	0.92	3.31	360.0
	165	0.96	3.44	360.0	204	0.82	2.96	360.0	205	2.93	3.35	114.5
	207	1.06	2.59	245.5	212	0.78	2.80	360.0	215	1.19	3.87	325.5
	223	0.97	3.49	360.0	231	0.95	2.33	245.5	237	0.91	3.28	360.0
	244	0.07	0.06	80.0	245	0.26	0.31	120.0	246	0.32	0.38	120.0
	247	0.35	0.42	120.0	248	0.27	0.32	120.0	249	0.01	9.90e-03	80.0
	254	1.02	3.68	360.0	267	0.45	1.99	440.0	275	1.72	5.60	325.5
	284	1.85	6.02	325.5	296	0.15	0.12	80.0	304	0.82	2.96	360.0
	310	0.40	0.48	120.0	311	0.87	1.04	120.0	312	0.89	1.07	120.0
	313	0.40	0.48	120.0	314	0.85	1.02	120.0	315	0.88	1.06	120.0
	316	0.13	0.16	120.0	317	0.29	0.35	120.0	318	0.33	0.39	120.0
	319	0.36	0.43	120.0	320	0.31	0.37	120.0	321	0.02	9.90e-03	40.0
	322	0.51	0.61	120.0	323	0.60	0.73	120.0	324	1.04	1.25	120.0
	325	0.50	0.60	120.0	326	0.62	0.74	120.0	327	1.06	1.27	120.0
	328	0.13	0.15	120.0	329	0.31	0.37	120.0	330	0.33	0.40	120.0
	331	0.37	0.44	120.0	332	0.33	0.40	120.0	333	0.15	0.12	80.0
	334	0.40	0.48	120.0	335	0.41	0.49	120.0	336	0.22	0.26	120.0
	337	0.18	0.22	120.0	338	0.22	0.26	120.0	348	0.66	2.88	440.0
	350	0.43	1.88	440.0	356	0.19	0.62	325.5	363	0.36	1.17	325.5
	364	0.64	2.07	325.5	369	0.56	1.82	325.5	375	0.30	0.24	80.0
	376	1.04	1.19	114.5	379	1.23	4.42	360.0	381	0.58	1.43	245.5
	382	0.81	2.92	360.0	383	0.52	1.86	360.0	384	0.51	1.82	360.0
	385	1.48	3.64	245.5	386	0.50	1.80	360.0	390	0.73	2.38	325.5
	392	0.81	0.93	114.5	393	0.78	2.81	360.0	396	0.14	0.11	80.0
	397	0.58	0.69	120.0	398	0.67	0.76	114.5	399	2.00	2.29	114.5
	403	0.84	0.96	114.5	407	0.87	3.12	360.0	408	0.83	2.97	360.0
	421	0.91	1.04	114.5	422	0.83	3.96	474.5	423	0.86	0.98	114.5
	424	0.74	3.50	474.5	425	0.66	2.39	360.0	429	0.98	3.51	360.0
	433	0.62	2.75	440.0	434	1.09	3.92	360.0	435	1.07	3.85	360.0
	436	0.80	3.54	440.0	437	1.30	4.67	360.0	438	1.10	3.96	360.0
	439	0.85	3.72	440.0	440	1.32	4.76	360.0	441	1.08	3.87	360.0
	442	0.21	0.17	80.0	443	1.14	4.11	360.0				
107	1	0.11	0.14	120.0	98	0.71	2.57	360.0	99	0.72	2.61	360.0
	100	0.80	2.87	360.0	101	0.16	0.13	80.0	102	0.45	0.54	120.0
	103	0.11	0.09	80.0	104	0.46	0.55	120.0	105	0.41	0.50	120.0
	106	0.33	1.44	440.0	107	0.60	2.15	360.0	108	0.69	2.49	360.0
	109	0.36	1.58	440.0	110	0.66	2.37	360.0	111	0.82	2.97	360.0
	112	0.45	2.00	440.0	113	0.76	2.73	360.0	114	0.77	2.77	360.0
	115	1.02	3.33	325.5	116	1.04	4.94	474.5	117	0.93	4.41	474.5
	118	1.53	4.97	325.5	119	0.90	2.20	245.5	120	0.67	2.40	360.0
	121	0.37	0.29	80.0	122	0.55	1.34	245.5	123	0.82	2.94	360.0
	124	0.15	0.12	80.0	125	0.83	2.98	360.0	126	1.00	3.61	360.0
	127	1.44	2.74	190.0	129	1.29	2.45	190.0	132	1.40	2.67	190.0
	134	0.96	3.46	360.0	135	0.73	1.38	190.0	137	1.41	2.68	190.0
	138	1.41	2.68	190.0	141	1.10	2.09	190.0	144	1.25	2.37	190.0
	145	0.52	2.29	440.0	146	0.88	3.16	360.0	147	0.98	3.52	360.0
	165	0.54	1.95	360.0	204	0.92	3.31	360.0	205	2.40	2.75	114.5
	207	1.05	2.57	245.5	212	0.47	1.70	360.0	215	1.09	3.54	325.5
	223	0.34	1.23	360.0	231	1.00	2.46	245.5	237	0.96	3.47	360.0
	244	0.05	0.04	80.0	245	0.24	0.29	120.0	246	0.31	0.37	120.0
	247	0.24	0.29	120.0	248	0.19	0.23	120.0	249	0.01	9.66e-03	80.0
	254	0.89	3.20	360.0	267	0.41	1.80	440.0	275	0.98	3.18	325.5
	284	1.50	4.87	325.5	296	0.10	0.08	80.0	304	0.67	2.42	360.0
	310	0.32	0.38	120.0	311	0.70	0.84	120.0	312	0.71	0.85	120.0
	313	0.30	0.36	120.0	314	0.65	0.79	120.0	315	0.67	0.80	120.0
	316	0.12	0.14	120.0	317	0.28	0.34	120.0	318	0.33	0.39	120.0
	319	0.25	0.29	120.0	320	0.21	0.25	120.0	321	0.02	9.66e-03	40.0
	322	0.40	0.48	120.0	323	0.50	0.60	120.0	324	0.87	1.05	120.0
	325	0.38	0.45	120.0	326	0.47	0.56	120.0	327	0.85	1.01	120.0
	328	0.13	0.16	120.0	329	0.31	0.37	120.0	330	0.34	0.40	120.0
	331	0.25	0.30	120.0	332	0.23	0.27	120.0	333	0.11	0.09	80.0
	334	0.33	0.40	120.0	335	0.30	0.36	120.0	336	0.21	0.25	120.0
	337	0.12	0.14	120.0	338	0.15	0.17	120.0	348	1.25	5.48	440.0
	350	0.46	2.03	440.0	356	0.28	0.93	325.5	363	0.58	1.89	325.5
	364	0.64	2.10	325.5	369	0.40	1.32	325.5	375	0.32	0.25	80.0
	376	0.69	0.79	114.5	379	1.40	5.05	360.0	381	0.53	1.31	245.5
	382	0.69	2.49	360.0	383	0.42	1.51	360.0	384	0.45	1.61	360.0
	385	1.31	3.23	245.5	386	0.53	1.91	360.0	390	0.88	2.88	325.5
	392	0.74	0.84	114.5	393	0.77	2.78	360.0	396	0.11	0.09	80.0
	397	0.48	0.57	120.0	398	0.75	0.86	114.5	399	1.83	2.09	114.5
	403	0.85	0.97	114.5	407	0.45	1.61	360.0	408	0.82	2.96	360.0

	421	0.67	0.77	114.5	422	0.88	4.19	474.5	423	0.62	0.71	114.5
	424	0.83	3.95	474.5	425	0.83	2.98	360.0	429	1.02	3.67	360.0
	433	0.64	2.82	440.0	434	1.08	3.87	360.0	435	1.00	3.61	360.0
	436	0.78	3.45	440.0	437	1.23	4.42	360.0	438	0.98	3.53	360.0
	439	0.77	3.37	440.0	440	1.19	4.28	360.0	441	0.96	3.44	360.0
	442	0.15	0.12	80.0	443	0.98	3.52	360.0				
108	1	0.19	0.23	120.0	98	0.90	3.23	360.0	99	1.61	5.78	360.0
	100	1.54	5.53	360.0	101	0.08	0.06	80.0	102	0.67	0.80	120.0
	103	0.19	0.15	80.0	104	0.82	0.98	120.0	105	0.79	0.95	120.0
	106	0.59	2.62	440.0	107	1.11	3.99	360.0	108	1.27	4.59	360.0
	109	0.68	2.99	440.0	110	1.30	4.67	360.0	111	1.54	5.56	360.0
	112	0.91	4.01	440.0	113	1.45	5.21	360.0	114	1.38	4.96	360.0
	115	1.03	3.35	325.5	116	1.67	7.91	474.5	117	1.47	6.96	474.5
	118	0.79	2.57	325.5	119	3.88	9.52	245.5	120	1.08	3.90	360.0
	121	0.17	0.14	80.0	122	3.00	7.36	245.5	123	1.29	4.63	360.0
	124	0.23	0.18	80.0	125	1.50	5.41	360.0	126	1.73	6.21	360.0
	127	2.66	5.05	190.0	129	2.04	3.87	190.0	132	2.56	4.86	190.0
	134	1.47	5.28	360.0	135	1.60	3.04	190.0	137	2.38	4.52	190.0
	138	2.40	4.55	190.0	141	2.01	3.83	190.0	144	1.85	3.52	190.0
	145	1.01	4.44	440.0	146	1.66	5.96	360.0	147	1.62	5.83	360.0
	165	1.45	5.22	360.0	204	1.40	5.05	360.0	205	1.27	1.46	114.5
	207	2.04	5.00	245.5	212	2.43	8.75	360.0	215	0.54	1.77	325.5
	223	3.07	11.05	360.0	231	1.82	4.46	245.5	237	1.56	5.63	360.0
	244	0.04	0.03	80.0	245	0.29	0.34	120.0	246	0.36	0.43	120.0
	247	0.52	0.62	120.0	248	0.40	0.48	120.0	249	0.02	0.01	80.0
	254	1.63	5.88	360.0	267	0.81	3.55	440.0	275	0.93	3.02	325.5
	284	0.65	2.12	325.5	296	0.22	0.18	80.0	304	1.29	4.63	360.0
	310	0.51	0.61	120.0	311	1.13	1.36	120.0	312	1.17	1.40	120.0
	313	0.52	0.62	120.0	314	1.15	1.38	120.0	315	1.21	1.45	120.0
	316	0.07	0.08	120.0	317	0.33	0.39	120.0	318	0.37	0.45	120.0
	319	0.54	0.65	120.0	320	0.46	0.55	120.0	321	0.04	0.01	40.0
	322	0.65	0.77	120.0	323	0.77	0.92	120.0	324	1.44	1.72	120.0
	325	0.66	0.79	120.0	326	0.85	1.02	120.0	327	1.49	1.79	120.0
	328	0.23	0.27	120.0	329	0.35	0.42	120.0	330	0.38	0.45	120.0
	331	0.55	0.65	120.0	332	0.50	0.60	120.0	333	0.23	0.18	80.0
	334	0.49	0.59	120.0	335	0.55	0.66	120.0	336	0.25	0.29	120.0
	337	0.27	0.32	120.0	338	0.32	0.39	120.0	348	1.47	6.45	440.0
	350	0.82	3.59	440.0	356	0.24	0.79	325.5	363	0.67	2.18	325.5
	364	1.29	4.19	325.5	369	1.13	3.67	325.5	375	0.16	0.13	80.0
	376	1.99	2.28	114.5	379	2.50	8.98	360.0	381	1.29	3.16	245.5
	382	1.22	4.40	360.0	383	0.81	2.93	360.0	384	0.57	2.07	360.0
	385	0.87	2.14	245.5	386	0.92	3.31	360.0	390	1.23	3.99	325.5
	392	1.59	1.82	114.5	393	1.71	6.14	360.0	396	0.19	0.15	80.0
	397	0.74	0.89	120.0	398	1.15	1.32	114.5	399	1.15	1.32	114.5
	403	1.42	1.62	114.5	407	1.58	5.68	360.0	408	1.49	5.38	360.0
	421	1.56	1.78	114.5	422	1.64	7.77	474.5	423	1.45	1.65	114.5
	424	1.47	6.99	474.5	425	1.31	4.72	360.0	429	1.76	6.33	360.0
	433	1.09	4.80	440.0	434	1.84	6.62	360.0	435	1.77	6.36	360.0
	436	1.33	5.86	440.0	437	2.08	7.49	360.0	438	1.74	6.25	360.0
	439	1.32	5.80	440.0	440	2.04	7.35	360.0	441	1.71	6.14	360.0
	442	0.27	0.21	80.0	443	1.73	6.23	360.0				
109	1	0.18	0.22	120.0	98	0.85	3.07	360.0	99	1.35	4.87	360.0
	100	1.41	5.07	360.0	101	0.09	0.07	80.0	102	0.62	0.74	120.0
	103	0.18	0.14	80.0	104	0.75	0.90	120.0	105	0.69	0.83	120.0
	106	0.55	2.43	440.0	107	1.00	3.62	360.0	108	1.15	4.14	360.0
	109	0.64	2.80	440.0	110	1.16	4.17	360.0	111	1.43	5.16	360.0
	112	0.87	3.85	440.0	113	1.32	4.76	360.0	114	1.27	4.58	360.0
	115	1.07	3.49	325.5	116	1.69	8.01	474.5	117	1.51	7.16	474.5
	118	0.83	2.71	325.5	119	3.83	9.40	245.5	120	1.01	3.62	360.0
	121	0.18	0.14	80.0	122	2.94	7.21	245.5	123	1.20	4.31	360.0
	124	0.24	0.19	80.0	125	1.36	4.91	360.0	126	1.64	5.89	360.0
	127	2.47	4.69	190.0	129	1.95	3.70	190.0	132	2.49	4.74	190.0
	134	1.62	5.84	360.0	135	1.58	3.00	190.0	137	2.46	4.67	190.0
	138	2.35	4.47	190.0	141	1.91	3.62	190.0	144	1.85	3.52	190.0
	145	0.98	4.30	440.0	146	1.55	5.57	360.0	147	1.54	5.53	360.0
	165	1.01	3.62	360.0	204	1.34	4.81	360.0	205	1.10	1.26	114.5
	207	2.01	4.92	245.5	212	2.23	8.04	360.0	215	0.54	1.76	325.5
	223	2.93	10.55	360.0	231	1.78	4.37	245.5	237	1.48	5.33	360.0
	244	0.02	0.02	80.0	245	0.27	0.32	120.0	246	0.34	0.41	120.0
	247	0.44	0.52	120.0	248	0.34	0.41	120.0	249	0.02	0.02	80.0
	254	1.51	5.44	360.0	267	0.76	3.37	440.0	275	0.92	3.00	325.5
	284	0.63	2.06	325.5	296	0.20	0.16	80.0	304	1.21	4.34	360.0
	310	0.48	0.58	120.0	311	1.07	1.28	120.0	312	1.07	1.28	120.0
	313	0.49	0.59	120.0	314	1.06	1.27	120.0	315	1.09	1.30	120.0
	316	0.05	0.07	120.0	317	0.31	0.37	120.0	318	0.36	0.43	120.0

	319	0.45	0.54	120.0	320	0.38	0.46	120.0	321	0.04	0.02	40.0
	322	0.62	0.74	120.0	323	0.72	0.87	120.0	324	1.33	1.60	120.0
	325	0.62	0.74	120.0	326	0.77	0.92	120.0	327	1.36	1.63	120.0
	328	0.21	0.25	120.0	329	0.34	0.41	120.0	330	0.36	0.44	120.0
	331	0.45	0.54	120.0	332	0.42	0.50	120.0	333	0.20	0.16	80.0
	334	0.47	0.56	120.0	335	0.51	0.61	120.0	336	0.23	0.28	120.0
	337	0.22	0.27	120.0	338	0.27	0.32	120.0	348	1.42	6.23	440.0
	350	0.78	3.45	440.0	356	0.25	0.80	325.5	363	0.77	2.52	325.5
	364	1.32	4.30	325.5	369	1.10	3.59	325.5	375	0.16	0.13	80.0
	376	1.84	2.11	114.5	379	2.15	7.74	360.0	381	1.23	3.02	245.5
	382	1.18	4.25	360.0	383	0.77	2.79	360.0	384	0.55	1.98	360.0
	385	0.81	1.99	245.5	386	0.87	3.13	360.0	390	1.06	3.46	325.5
	392	1.54	1.76	114.5	393	1.52	5.47	360.0	396	0.18	0.14	80.0
	397	0.70	0.84	120.0	398	0.92	1.06	114.5	399	1.10	1.26	114.5
	403	1.22	1.40	114.5	407	0.93	3.36	360.0	408	1.38	4.98	360.0
	421	1.27	1.45	114.5	422	1.75	8.32	474.5	423	1.14	1.31	114.5
	424	1.62	7.69	474.5	425	1.84	6.61	360.0	429	1.67	6.02	360.0
	433	1.05	4.64	440.0	434	1.75	6.31	360.0	435	1.66	5.98	360.0
	436	1.30	5.71	440.0	437	2.00	7.21	360.0	438	1.62	5.84	360.0
	439	1.29	5.65	440.0	440	1.96	7.06	360.0	441	1.59	5.71	360.0
	442	0.27	0.21	80.0	443	1.65	5.93	360.0				
110	1	0.13	0.15	120.0	98	0.72	2.59	360.0	99	0.72	2.60	360.0
	100	0.92	3.33	360.0	101	0.15	0.12	80.0	102	0.47	0.56	120.0
	103	0.12	0.09	80.0	104	0.52	0.63	120.0	105	0.51	0.61	120.0
	106	0.37	1.63	440.0	107	0.70	2.51	360.0	108	0.81	2.92	360.0
	109	0.40	1.77	440.0	110	0.79	2.84	360.0	111	0.94	3.37	360.0
	112	0.49	2.16	440.0	113	0.88	3.17	360.0	114	0.88	3.15	360.0
	115	1.00	3.26	325.5	116	1.04	4.91	474.5	117	0.92	4.36	474.5
	118	1.53	4.98	325.5	119	0.88	2.15	245.5	120	0.76	2.73	360.0
	121	0.36	0.29	80.0	122	0.56	1.38	245.5	123	0.90	3.24	360.0
	124	0.14	0.11	80.0	125	0.96	3.45	360.0	126	1.09	3.92	360.0
	127	1.63	3.11	190.0	129	1.35	2.57	190.0	132	1.45	2.76	190.0
	134	0.84	3.02	360.0	135	0.76	1.44	190.0	137	1.33	2.53	190.0
	138	1.46	2.77	190.0	141	1.21	2.30	190.0	144	1.26	2.40	190.0
	145	0.55	2.43	440.0	146	0.99	3.57	360.0	147	1.05	3.79	360.0
	165	0.94	3.38	360.0	204	0.99	3.57	360.0	205	2.47	2.83	114.5
	207	1.06	2.61	245.5	212	0.73	2.63	360.0	215	1.08	3.53	325.5
	223	0.65	2.35	360.0	231	1.02	2.51	245.5	237	1.04	3.76	360.0
	244	0.07	0.05	80.0	245	0.23	0.27	120.0	246	0.28	0.34	120.0
	247	0.32	0.38	120.0	248	0.24	0.29	120.0	249	0.01	8.99e-03	80.0
	254	1.01	3.63	360.0	267	0.45	1.98	440.0	275	0.98	3.20	325.5
	284	1.51	4.93	325.5	296	0.13	0.10	80.0	304	0.75	2.71	360.0
	310	0.33	0.39	120.0	311	0.75	0.90	120.0	312	0.79	0.94	120.0
	313	0.33	0.39	120.0	314	0.74	0.89	120.0	315	0.79	0.94	120.0
	316	0.12	0.14	120.0	317	0.26	0.31	120.0	318	0.29	0.35	120.0
	319	0.33	0.39	120.0	320	0.28	0.33	120.0	321	0.02	8.99e-03	40.0
	322	0.42	0.51	120.0	323	0.53	0.63	120.0	324	0.96	1.15	120.0
	325	0.41	0.50	120.0	326	0.54	0.65	120.0	327	0.97	1.17	120.0
	328	0.11	0.13	120.0	329	0.28	0.33	120.0	330	0.29	0.35	120.0
	331	0.33	0.40	120.0	332	0.30	0.37	120.0	333	0.14	0.11	80.0
	334	0.34	0.41	120.0	335	0.35	0.41	120.0	336	0.19	0.23	120.0
	337	0.16	0.19	120.0	338	0.20	0.24	120.0	348	1.29	5.69	440.0
	350	0.49	2.17	440.0	356	0.28	0.91	325.5	363	0.49	1.58	325.5
	364	0.59	1.90	325.5	369	0.43	1.39	325.5	375	0.32	0.26	80.0
	376	0.89	1.02	114.5	379	1.82	6.56	360.0	381	0.59	1.44	245.5
	382	0.73	2.63	360.0	383	0.46	1.65	360.0	384	0.45	1.62	360.0
	385	1.35	3.31	245.5	386	0.58	2.08	360.0	390	1.08	3.51	325.5
	392	0.78	0.89	114.5	393	1.00	3.58	360.0	396	0.12	0.09	80.0
	397	0.50	0.60	120.0	398	0.93	1.06	114.5	399	1.87	2.14	114.5
	403	1.01	1.16	114.5	407	1.19	4.28	360.0	408	0.93	3.36	360.0
	421	0.98	1.12	114.5	422	0.79	3.74	474.5	423	0.94	1.08	114.5
	424	0.71	3.39	474.5	425	0.62	2.23	360.0	429	1.10	3.95	360.0
	433	0.68	2.98	440.0	434	1.16	4.18	360.0	435	1.10	3.96	360.0
	436	0.82	3.59	440.0	437	1.30	4.70	360.0	438	1.09	3.93	360.0
	439	0.80	3.51	440.0	440	1.27	4.56	360.0	441	1.07	3.85	360.0
	442	0.15	0.12	80.0	443	1.06	3.81	360.0				
111	1	0.11	0.14	120.0	98	0.68	2.45	360.0	99	0.65	2.34	360.0
	100	0.81	2.93	360.0	101	0.10	0.08	80.0	102	0.44	0.52	120.0
	103	0.11	0.08	80.0	104	0.45	0.54	120.0	105	0.40	0.48	120.0
	106	0.31	1.38	440.0	107	0.57	2.07	360.0	108	0.67	2.41	360.0
	109	0.34	1.50	440.0	110	0.63	2.25	360.0	111	0.79	2.85	360.0
	112	0.47	2.07	440.0	113	0.75	2.71	360.0	114	0.72	2.59	360.0
	115	1.02	3.31	325.5	116	0.97	4.60	474.5	117	0.83	3.96	474.5
	118	1.46	4.75	325.5	119	0.64	1.57	245.5	120	0.59	2.13	360.0
	121	0.36	0.29	80.0	122	0.48	1.19	245.5	123	0.77	2.77	360.0

	124	0.15	0.12	80.0	125	0.81	2.91	360.0	126	0.98	3.54	360.0
	127	1.43	2.73	190.0	129	1.26	2.40	190.0	132	1.39	2.63	190.0
	134	0.94	3.40	360.0	135	0.72	1.37	190.0	137	1.41	2.67	190.0
	138	1.41	2.69	190.0	141	1.12	2.12	190.0	144	1.21	2.30	190.0
	145	0.56	2.45	440.0	146	0.91	3.28	360.0	147	0.97	3.51	360.0
	165	0.51	1.84	360.0	204	0.89	3.19	360.0	205	2.31	2.64	114.5
	207	1.10	2.69	245.5	212	0.57	2.04	360.0	215	1.07	3.48	325.5
	223	0.46	1.67	360.0	231	1.01	2.47	245.5	237	0.94	3.37	360.0
	244	0.05	0.04	80.0	245	0.23	0.28	120.0	246	0.30	0.36	120.0
	247	0.23	0.28	120.0	248	0.18	0.22	120.0	249	0.01	9.40e-03	80.0
	254	0.91	3.28	360.0	267	0.35	1.54	440.0	275	0.98	3.18	325.5
	284	1.43	4.66	325.5	296	0.11	0.09	80.0	304	0.69	2.49	360.0
	310	0.31	0.37	120.0	311	0.68	0.81	120.0	312	0.69	0.83	120.0
	313	0.29	0.35	120.0	314	0.64	0.76	120.0	315	0.65	0.78	120.0
	316	0.11	0.14	120.0	317	0.27	0.33	120.0	318	0.32	0.38	120.0
	319	0.24	0.29	120.0	320	0.20	0.24	120.0	321	0.02	9.40e-03	40.0
	322	0.39	0.46	120.0	323	0.49	0.59	120.0	324	0.85	1.02	120.0
	325	0.37	0.44	120.0	326	0.45	0.54	120.0	327	0.83	0.99	120.0
	328	0.12	0.15	120.0	329	0.30	0.36	120.0	330	0.32	0.39	120.0
	331	0.24	0.29	120.0	332	0.22	0.27	120.0	333	0.11	0.08	80.0
	334	0.32	0.38	120.0	335	0.30	0.35	120.0	336	0.20	0.24	120.0
	337	0.12	0.14	120.0	338	0.14	0.17	120.0	348	1.23	5.41	440.0
	350	0.48	2.10	440.0	356	0.20	0.64	325.5	363	0.54	1.77	325.5
	364	0.70	2.29	325.5	369	0.50	1.62	325.5	375	0.31	0.25	80.0
	376	0.83	0.95	114.5	379	1.42	5.13	360.0	381	0.56	1.38	245.5
	382	0.70	2.50	360.0	383	0.44	1.57	360.0	384	0.43	1.56	360.0
	385	1.27	3.13	245.5	386	0.52	1.87	360.0	390	0.90	2.91	325.5
	392	0.77	0.88	114.5	393	0.77	2.78	360.0	396	0.10	0.08	80.0
	397	0.46	0.55	120.0	398	0.72	0.82	114.5	399	1.79	2.04	114.5
	403	0.82	0.94	114.5	407	0.49	1.75	360.0	408	0.85	3.05	360.0
	421	0.65	0.74	114.5	422	0.84	3.98	474.5	423	0.59	0.68	114.5
	424	0.78	3.68	474.5	425	0.85	3.06	360.0	429	1.04	3.75	360.0
	433	0.66	2.89	440.0	434	1.10	3.96	360.0	435	1.03	3.70	360.0
	436	0.79	3.49	440.0	437	1.25	4.49	360.0	438	1.01	3.63	360.0
	439	0.77	3.38	440.0	440	1.20	4.33	360.0	441	0.98	3.54	360.0
	442	0.15	0.12	80.0	443	0.99	3.56	360.0				
112	1	0.19	0.23	120.0	98	0.92	3.29	360.0	99	1.52	5.46	360.0
	100	1.52	5.46	360.0	101	0.14	0.11	80.0	102	0.68	0.82	120.0
	103	0.19	0.15	80.0	104	0.83	1.00	120.0	105	0.80	0.96	120.0
	106	0.61	2.69	440.0	107	1.13	4.08	360.0	108	1.30	4.66	360.0
	109	0.70	3.08	440.0	110	1.33	4.80	360.0	111	1.58	5.69	360.0
	112	0.90	3.96	440.0	113	1.46	5.26	360.0	114	1.42	5.13	360.0
	115	1.04	3.38	325.5	116	1.74	8.26	474.5	117	1.55	7.34	474.5
	118	0.86	2.79	325.5	119	3.60	8.83	245.5	120	1.12	4.03	360.0
	121	0.18	0.14	80.0	122	2.89	7.09	245.5	123	1.33	4.80	360.0
	124	0.23	0.19	80.0	125	1.52	5.49	360.0	126	1.75	6.29	360.0
	127	2.67	5.07	190.0	129	2.06	3.91	190.0	132	2.57	4.89	190.0
	134	1.48	5.34	360.0	135	1.60	3.05	190.0	137	2.38	4.52	190.0
	138	2.39	4.54	190.0	141	2.00	3.80	190.0	144	1.89	3.60	190.0
	145	0.97	4.25	440.0	146	1.62	5.83	360.0	147	1.62	5.83	360.0
	165	1.52	5.49	360.0	204	1.44	5.18	360.0	205	1.36	1.56	114.5
	207	1.98	4.85	245.5	212	2.39	8.60	360.0	215	0.58	1.87	325.5
	223	2.94	10.57	360.0	231	1.81	4.44	245.5	237	1.60	5.75	360.0
	244	0.04	0.03	80.0	245	0.29	0.35	120.0	246	0.37	0.44	120.0
	247	0.53	0.63	120.0	248	0.41	0.49	120.0	249	0.02	0.02	80.0
	254	1.61	5.79	360.0	267	0.87	3.85	440.0	275	0.93	3.02	325.5
	284	0.72	2.33	325.5	296	0.22	0.18	80.0	304	1.26	4.54	360.0
	310	0.51	0.62	120.0	311	1.15	1.38	120.0	312	1.18	1.42	120.0
	313	0.52	0.63	120.0	314	1.16	1.40	120.0	315	1.23	1.47	120.0
	316	0.07	0.08	120.0	317	0.33	0.40	120.0	318	0.38	0.46	120.0
	319	0.54	0.65	120.0	320	0.46	0.55	120.0	321	0.04	0.02	40.0
	322	0.66	0.79	120.0	323	0.78	0.94	120.0	324	1.46	1.75	120.0
	325	0.67	0.80	120.0	326	0.86	1.03	120.0	327	1.51	1.81	120.0
	328	0.23	0.27	120.0	329	0.36	0.43	120.0	330	0.38	0.46	120.0
	331	0.55	0.66	120.0	332	0.50	0.61	120.0	333	0.23	0.19	80.0
	334	0.50	0.60	120.0	335	0.56	0.67	120.0	336	0.25	0.30	120.0
	337	0.27	0.33	120.0	338	0.33	0.39	120.0	348	1.48	6.50	440.0
	350	0.80	3.51	440.0	356	0.16	0.51	325.5	363	0.65	2.10	325.5
	364	1.21	3.93	325.5	369	1.03	3.37	325.5	375	0.17	0.14	80.0
	376	1.86	2.13	114.5	379	2.45	8.83	360.0	381	1.25	3.06	245.5
	382	1.21	4.37	360.0	383	0.79	2.86	360.0	384	0.57	2.06	360.0
	385	0.92	2.26	245.5	386	0.94	3.37	360.0	390	1.21	3.93	325.5
	392	1.55	1.78	114.5	393	1.70	6.13	360.0	396	0.19	0.15	80.0
	397	0.76	0.91	120.0	398	1.19	1.36	114.5	399	1.20	1.37	114.5
	403	1.44	1.65	114.5	407	1.57	5.65	360.0	408	1.47	5.28	360.0

	421	1.58	1.81	114.5	422	1.69	8.00	474.5	423	1.47	1.68	114.5
	424	1.53	7.27	474.5	425	1.28	4.60	360.0	429	1.73	6.23	360.0
	433	1.07	4.72	440.0	434	1.81	6.53	360.0	435	1.74	6.25	360.0
	436	1.32	5.81	440.0	437	2.06	7.41	360.0	438	1.71	6.14	360.0
	439	1.31	5.78	440.0	440	2.03	7.29	360.0	441	1.67	6.03	360.0
	442	0.26	0.21	80.0	443	1.72	6.17	360.0				
113	1	0.18	0.22	120.0	98	0.87	3.15	360.0	99	1.27	4.59	360.0
	100	1.39	5.00	360.0	101	0.15	0.12	80.0	102	0.63	0.75	120.0
	103	0.18	0.14	80.0	104	0.77	0.92	120.0	105	0.70	0.84	120.0
	106	0.57	2.50	440.0	107	1.03	3.71	360.0	108	1.17	4.22	360.0
	109	0.66	2.89	440.0	110	1.19	4.30	360.0	111	1.47	5.29	360.0
	112	0.86	3.79	440.0	113	1.33	4.80	360.0	114	1.32	4.75	360.0
	115	1.09	3.53	325.5	116	1.76	8.37	474.5	117	1.59	7.52	474.5
	118	0.90	2.92	325.5	119	3.55	8.71	245.5	120	1.04	3.74	360.0
	121	0.18	0.15	80.0	122	2.83	6.94	245.5	123	1.24	4.48	360.0
	124	0.24	0.19	80.0	125	1.39	4.99	360.0	126	1.66	5.97	360.0
	127	2.48	4.70	190.0	129	1.97	3.75	190.0	132	2.51	4.77	190.0
	134	1.64	5.90	360.0	135	1.58	3.01	190.0	137	2.46	4.67	190.0
	138	2.35	4.46	190.0	141	1.89	3.60	190.0	144	1.89	3.58	190.0
	145	0.93	4.10	440.0	146	1.51	5.43	360.0	147	1.54	5.54	360.0
	165	1.07	3.83	360.0	204	1.37	4.93	360.0	205	1.20	1.37	114.5
	207	1.94	4.77	245.5	212	2.19	7.89	360.0	215	0.56	1.83	325.5
	223	2.78	10.00	360.0	231	1.77	4.35	245.5	237	1.51	5.44	360.0
	244	0.02	0.02	80.0	245	0.27	0.33	120.0	246	0.35	0.42	120.0
	247	0.44	0.53	120.0	248	0.35	0.42	120.0	249	0.02	0.02	80.0
	254	1.49	5.35	360.0	267	0.83	3.67	440.0	275	0.92	3.01	325.5
	284	0.70	2.27	325.5	296	0.19	0.15	80.0	304	1.18	4.25	360.0
	310	0.49	0.59	120.0	311	1.09	1.30	120.0	312	1.09	1.30	120.0
	313	0.50	0.60	120.0	314	1.08	1.29	120.0	315	1.10	1.32	120.0
	316	0.06	0.07	120.0	317	0.32	0.38	120.0	318	0.37	0.44	120.0
	319	0.45	0.54	120.0	320	0.39	0.46	120.0	321	0.04	0.02	40.0
	322	0.63	0.75	120.0	323	0.73	0.88	120.0	324	1.35	1.62	120.0
	325	0.63	0.75	120.0	326	0.78	0.93	120.0	327	1.38	1.66	120.0
	328	0.21	0.26	120.0	329	0.34	0.41	120.0	330	0.37	0.45	120.0
	331	0.46	0.55	120.0	332	0.42	0.51	120.0	333	0.20	0.16	80.0
	334	0.48	0.57	120.0	335	0.51	0.62	120.0	336	0.23	0.28	120.0
	337	0.22	0.27	120.0	338	0.27	0.33	120.0	348	1.43	6.28	440.0
	350	0.77	3.37	440.0	356	0.16	0.52	325.5	363	0.75	2.45	325.5
	364	1.24	4.05	325.5	369	1.01	3.28	325.5	375	0.16	0.13	80.0
	376	1.71	1.96	114.5	379	2.10	7.55	360.0	381	1.19	2.93	245.5
	382	1.17	4.22	360.0	383	0.75	2.72	360.0	384	0.55	1.98	360.0
	385	0.86	2.11	245.5	386	0.89	3.19	360.0	390	1.04	3.39	325.5
	392	1.50	1.71	114.5	393	1.51	5.44	360.0	396	0.18	0.14	80.0
	397	0.72	0.86	120.0	398	0.96	1.10	114.5	399	1.15	1.32	114.5
	403	1.25	1.43	114.5	407	0.90	3.24	360.0	408	1.36	4.88	360.0
	421	1.29	1.48	114.5	422	1.80	8.54	474.5	423	1.17	1.34	114.5
	424	1.67	7.93	474.5	425	1.82	6.55	360.0	429	1.65	5.93	360.0
	433	1.04	4.56	440.0	434	1.73	6.21	360.0	435	1.63	5.88	360.0
	436	1.29	5.66	440.0	437	1.98	7.13	360.0	438	1.59	5.73	360.0
	439	1.28	5.63	440.0	440	1.95	7.00	360.0	441	1.56	5.60	360.0
	442	0.26	0.21	80.0	443	1.63	5.88	360.0				
114	1	0.13	0.15	120.0	98	0.69	2.48	360.0	99	0.70	2.52	360.0
	100	0.94	3.39	360.0	101	0.10	0.08	80.0	102	0.46	0.55	120.0
	103	0.12	0.09	80.0	104	0.51	0.61	120.0	105	0.50	0.59	120.0
	106	0.35	1.56	440.0	107	0.67	2.42	360.0	108	0.79	2.85	360.0
	109	0.38	1.69	440.0	110	0.76	2.72	360.0	111	0.90	3.25	360.0
	112	0.51	2.23	440.0	113	0.87	3.13	360.0	114	0.83	2.98	360.0
	115	1.00	3.25	325.5	116	0.97	4.58	474.5	117	0.82	3.90	474.5
	118	1.46	4.75	325.5	119	0.63	1.56	245.5	120	0.68	2.46	360.0
	121	0.35	0.28	80.0	122	0.51	1.26	245.5	123	0.85	3.07	360.0
	124	0.14	0.11	80.0	125	0.94	3.38	360.0	126	1.07	3.85	360.0
	127	1.63	3.09	190.0	129	1.33	2.52	190.0	132	1.44	2.73	190.0
	134	0.82	2.95	360.0	135	0.75	1.42	190.0	137	1.33	2.52	190.0
	138	1.46	2.78	190.0	141	1.22	2.33	190.0	144	1.21	2.31	190.0
	145	0.59	2.60	440.0	146	1.02	3.68	360.0	147	1.05	3.79	360.0
	165	0.87	3.12	360.0	204	0.95	3.42	360.0	205	2.38	2.72	114.5
	207	1.11	2.74	245.5	212	0.71	2.56	360.0	215	1.06	3.44	325.5
	223	0.68	2.46	360.0	231	1.03	2.52	245.5	237	1.01	3.65	360.0
	244	0.06	0.05	80.0	245	0.22	0.27	120.0	246	0.27	0.33	120.0
	247	0.31	0.37	120.0	248	0.24	0.29	120.0	249	0.01	8.73e-03	80.0
	254	1.03	3.72	360.0	267	0.39	1.72	440.0	275	0.98	3.19	325.5
	284	1.45	4.72	325.5	296	0.13	0.11	80.0	304	0.77	2.78	360.0
	310	0.32	0.38	120.0	311	0.73	0.88	120.0	312	0.77	0.92	120.0
	313	0.32	0.38	120.0	314	0.72	0.86	120.0	315	0.77	0.92	120.0
	316	0.12	0.14	120.0	317	0.25	0.30	120.0	318	0.28	0.34	120.0

319	0.32	0.39	120.0	320	0.27	0.33	120.0	321	0.02	8.73e-03	40.0
322	0.41	0.49	120.0	323	0.51	0.62	120.0	324	0.94	1.12	120.0
325	0.40	0.48	120.0	326	0.53	0.64	120.0	327	0.95	1.14	120.0
328	0.11	0.13	120.0	329	0.27	0.32	120.0	330	0.28	0.34	120.0
331	0.33	0.39	120.0	332	0.30	0.36	120.0	333	0.14	0.11	80.0
334	0.33	0.39	120.0	335	0.34	0.40	120.0	336	0.19	0.23	120.0
337	0.16	0.19	120.0	338	0.19	0.23	120.0	348	1.28	5.62	440.0
350	0.51	2.24	440.0	356	0.19	0.63	325.5	363	0.44	1.43	325.5
364	0.66	2.13	325.5	369	0.52	1.70	325.5	375	0.31	0.25	80.0
376	1.00	1.15	114.5	379	1.84	6.61	360.0	381	0.62	1.51	245.5
382	0.74	2.65	360.0	383	0.48	1.71	360.0	384	0.44	1.58	360.0
385	1.31	3.21	245.5	386	0.56	2.03	360.0	390	1.09	3.54	325.5
392	0.81	0.93	114.5	393	0.99	3.56	360.0	396	0.11	0.09	80.0
397	0.49	0.58	120.0	398	0.89	1.02	114.5	399	1.83	2.09	114.5
403	0.99	1.13	114.5	407	1.19	4.28	360.0	408	0.96	3.45	360.0
421	0.97	1.11	114.5	422	0.73	3.48	474.5	423	0.92	1.06	114.5
424	0.64	3.04	474.5	425	0.67	2.39	360.0	429	1.12	4.04	360.0
433	0.69	3.05	440.0	434	1.18	4.26	360.0	435	1.13	4.06	360.0
436	0.83	3.64	440.0	437	1.32	4.77	360.0	438	1.12	4.03	360.0
439	0.80	3.53	440.0	440	1.28	4.62	360.0	441	1.10	3.96	360.0
442	0.15	0.12	80.0	443	1.07	3.86	360.0				

Cmb	1000 etaT/h
	4.67

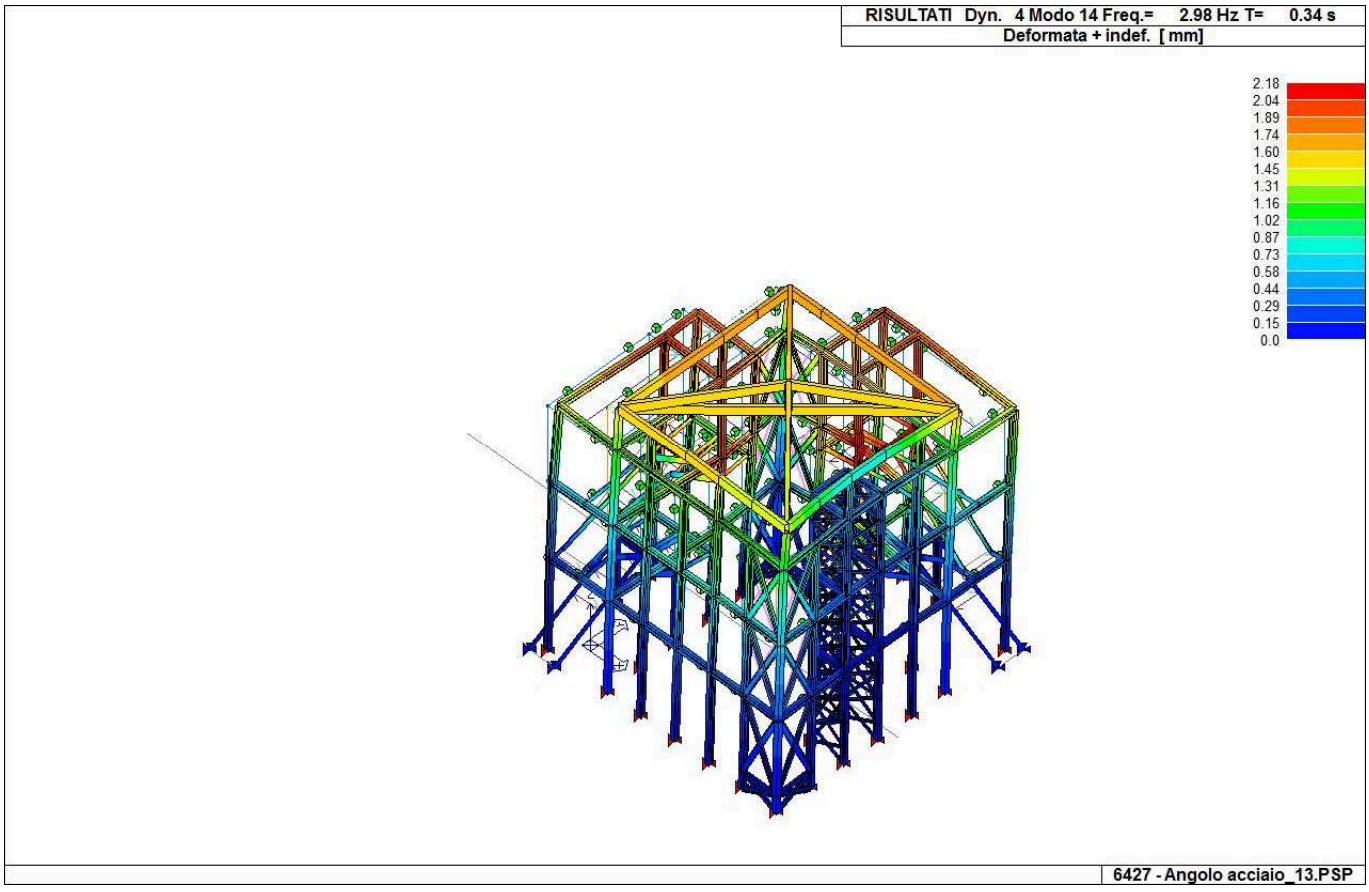


Figura 8: Modo di vibrare in direzione X - CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)

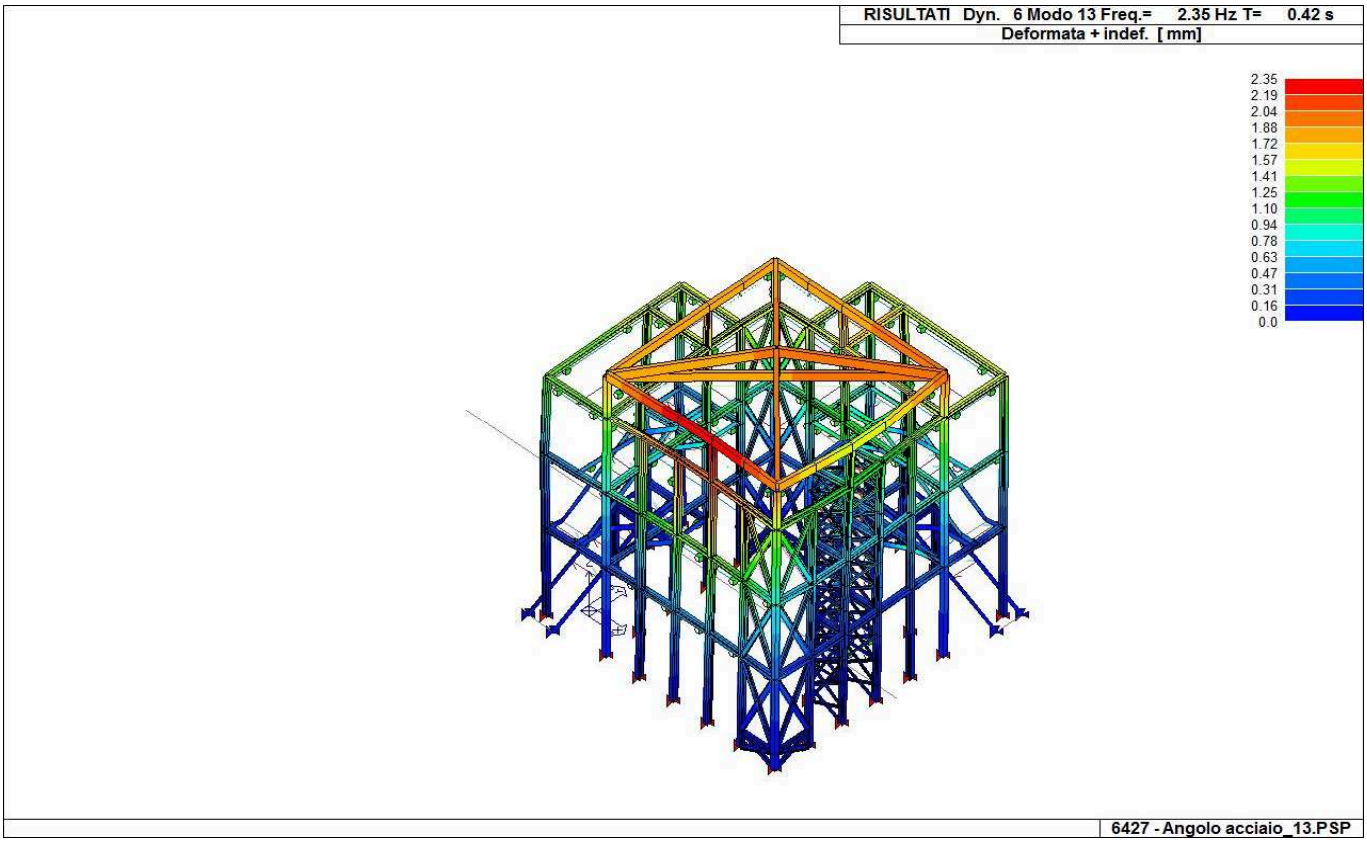


Figura 9: Modo di vibrare in direzione Y - CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)

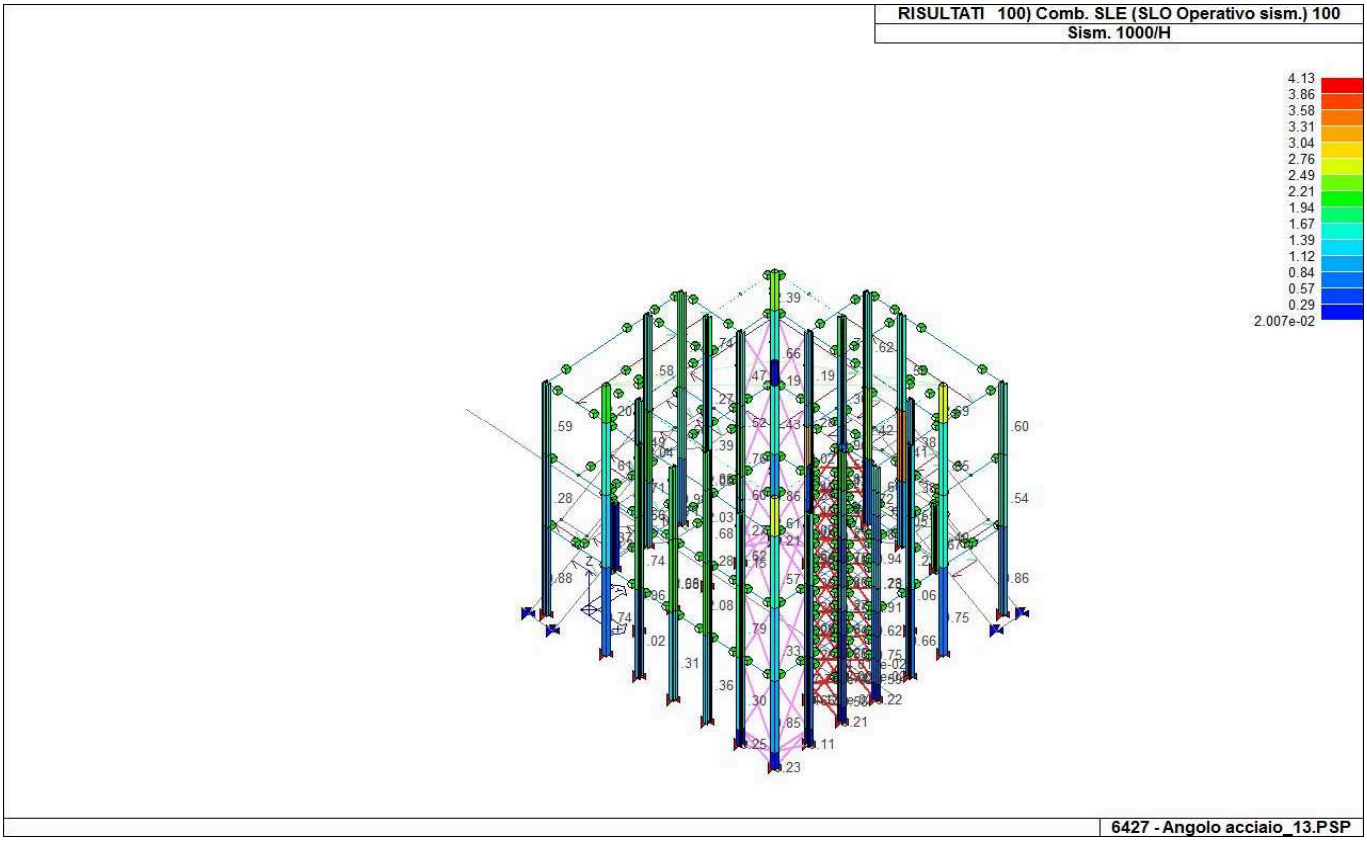


Figura 10:1000/H - Comb. SLE (SLO Operativo sism.) 100

14 RISULTATI NODALI

14.1 LEGENDA RISULTATI NODALI

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

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

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

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

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		mm	mm	mm			
1	1	0.0	0.0	0.0	-1.01e-03	2.71e-04	1.85e-04
1	9	0.0	0.0	0.0	-7.80e-04	2.22e-04	1.51e-04
1	13	0.0	0.0	0.0	-7.88e-04	3.20e-04	2.11e-04
1	17	0.0	0.0	0.0	-7.88e-04	3.20e-04	2.11e-04
1	19	0.0	0.0	0.0	-1.44e-03	1.48e-03	-6.00e-04
1	51	0.0	0.0	0.0	-1.44e-03	1.28e-03	-4.20e-04
1	83	0.0	0.0	0.0	-1.45e-03	1.20e-03	-3.41e-04
1	115	0.0	0.0	0.0	-1.44e-03	1.65e-03	-7.49e-04
2	1	0.0	0.0	0.0	-1.14e-03	-1.56e-05	3.25e-05
2	9	0.0	0.0	0.0	-8.82e-04	-3.42e-06	2.44e-05
2	13	0.0	0.0	0.0	-9.31e-04	5.51e-05	2.11e-05
2	17	0.0	0.0	0.0	-9.31e-04	5.51e-05	2.11e-05
2	19	0.0	0.0	0.0	-1.55e-03	1.09e-03	-1.03e-03
2	51	0.0	0.0	0.0	-1.59e-03	8.67e-04	-8.24e-04
2	83	0.0	0.0	0.0	-1.61e-03	7.84e-04	-7.37e-04
2	115	0.0	0.0	0.0	-1.52e-03	1.27e-03	-1.19e-03
3	2	5.99e-03	0.18	-0.24	1.46e-03	1.57e-03	6.84e-04
3	10	4.19e-03	0.12	-0.17	1.01e-03	1.10e-03	4.76e-04
3	14	3.58e-03	0.09	-0.12	6.36e-04	7.75e-04	3.42e-04
3	18	2.83e-03	0.07	-0.09	4.85e-04	6.06e-04	2.68e-04
3	19	3.93	0.06	-0.06	4.74e-04	3.17e-04	1.33e-04
3	49	-0.74	0.21	-0.22	5.20e-04	1.66e-03	8.00e-04
3	55	3.18	0.08	-0.08	4.79e-04	4.60e-04	2.05e-04
3	81	-0.56	0.19	-0.19	5.12e-04	1.41e-03	6.78e-04
3	87	2.86	0.08	-0.08	4.79e-04	4.77e-04	2.13e-04
3	113	-0.50	0.17	-0.18	5.09e-04	1.32e-03	6.32e-04
3	115	4.54	0.06	-0.05	4.72e-04	2.55e-04	1.03e-04
3	145	-0.87	0.23	-0.25	5.27e-04	1.85e-03	8.97e-04
4	2	5.99e-03	0.76	-1.49	1.97e-03	1.87e-04	1.02e-04
4	10	4.19e-03	0.53	-1.04	1.36e-03	1.30e-04	7.34e-05
4	14	3.58e-03	0.40	-0.73	8.65e-04	9.03e-05	9.91e-05
4	18	2.82e-03	0.32	-0.57	6.60e-04	7.06e-05	7.75e-05
4	19	3.93	0.04	-0.30	5.86e-04	3.76e-05	-3.77e-04
4	49	-0.74	1.28	-1.56	8.92e-04	1.82e-04	1.42e-03
4	55	3.18	0.17	-0.44	6.16e-04	5.23e-05	-2.12e-04
4	81	-0.57	1.05	-1.33	8.35e-04	1.55e-04	1.08e-03
4	87	2.86	0.19	-0.45	6.21e-04	5.45e-05	-1.79e-04
4	113	-0.50	0.97	-1.25	8.15e-04	1.46e-04	9.67e-04
4	115	4.54	-0.02	-0.24	5.71e-04	3.07e-05	-4.71e-04
4	145	-0.87	1.46	-1.75	9.38e-04	2.03e-04	1.70e-03
5	2	0.13	0.17	-0.15	5.65e-04	1.09e-04	6.78e-04
5	10	0.09	0.12	-0.11	3.83e-04	8.07e-05	4.71e-04
5	14	0.05	0.09	-0.08	1.29e-04	8.76e-05	3.40e-04
5	18	0.04	0.07	-0.07	1.03e-04	7.86e-05	2.66e-04
5	20	7.17	0.08	-0.05	4.27e-04	-5.58e-05	-1.42e-04
5	47	-2.49	0.24	-0.10	-1.08e-03	2.78e-04	6.95e-04
5	49	-5.07	0.22	-0.11	-1.19e-03	3.40e-04	8.85e-04
5	52	5.22	0.08	-0.06	3.58e-04	-2.23e-05	-3.85e-05
5	79	-1.83	0.21	-0.09	-8.72e-04	2.38e-04	5.97e-04

5	81	-3.71	0.19	-0.10	-9.49e-04	2.84e-04	7.37e-04
5	84	4.62	0.08	-0.06	3.31e-04	-1.09e-05	-3.98e-06
5	111	-1.61	0.19	-0.09	-7.65e-04	2.21e-04	5.60e-04
5	113	-3.28	0.18	-0.10	-8.34e-04	2.61e-04	6.84e-04
5	116	8.64	0.08	-0.05	4.83e-04	-8.27e-05	-2.26e-04
5	143	-3.00	0.26	-0.11	-1.23e-03	3.09e-04	7.75e-04
5	145	-6.12	0.24	-0.12	-1.35e-03	3.83e-04	1.00e-03
6	2	0.13	0.75	-0.25	5.29e-04	3.11e-05	1.36e-04
6	10	0.09	0.53	-0.18	3.61e-04	2.22e-05	9.63e-05
6	14	0.05	0.40	-0.16	1.62e-04	2.11e-05	1.03e-04
6	18	0.04	0.31	-0.14	1.28e-04	1.90e-05	8.07e-05
6	20	7.17	-0.33	-0.01	4.75e-04	9.81e-06	-8.24e-04
6	49	-5.07	1.30	-0.39	-6.60e-04	5.24e-05	1.28e-03
6	52	5.22	-0.17	-0.04	3.89e-04	1.19e-05	-5.94e-04
6	81	-3.71	1.07	-0.34	-4.98e-04	4.61e-05	9.78e-04
6	84	4.62	-0.11	-0.05	3.60e-04	1.26e-05	-5.17e-04
6	113	-3.28	0.98	-0.32	-4.28e-04	4.31e-05	8.76e-04
6	116	8.64	-0.46	0.01	5.43e-04	8.18e-06	-1.01e-03
6	145	-6.12	1.49	-0.43	-7.79e-04	5.68e-05	1.53e-03
7	2	0.13	0.32	-0.18	4.86e-04	-9.76e-05	-6.03e-04
7	10	0.09	0.23	-0.13	3.35e-04	-7.27e-05	-4.16e-04
7	14	0.05	0.25	-0.10	1.99e-04	-7.87e-05	-2.53e-04
7	18	0.04	0.19	-0.09	1.57e-04	-6.80e-05	-1.99e-04
7	20	7.17	-2.21	-0.12	8.90e-04	1.13e-04	-1.62e-03
7	48	5.15	-2.96	-0.14	1.11e-03	2.44e-04	-2.06e-03
7	49	-5.07	3.35	-0.05	-7.94e-04	-3.80e-04	1.67e-03
7	52	5.22	-1.60	-0.12	7.04e-04	6.74e-05	-1.26e-03
7	80	3.80	-2.17	-0.13	8.69e-04	1.73e-04	-1.60e-03
7	81	-3.71	2.55	-0.06	-5.56e-04	-3.09e-04	1.20e-03
7	84	4.62	-1.39	-0.11	6.42e-04	5.21e-05	-1.14e-03
7	112	3.36	-1.90	-0.13	7.89e-04	1.46e-04	-1.44e-03
7	113	-3.28	2.28	-0.06	-4.75e-04	-2.82e-04	1.05e-03
7	116	8.64	-2.70	-0.13	1.04e-03	1.50e-04	-1.92e-03
7	144	6.21	-3.62	-0.15	1.31e-03	2.99e-04	-2.45e-03
7	145	-6.12	4.01	-0.04	-9.93e-04	-4.35e-04	2.05e-03
8	2	0.13	0.76	-0.25	5.23e-04	6.56e-06	-2.35e-05
8	10	0.09	0.53	-0.18	3.57e-04	4.08e-06	-1.40e-05
8	14	0.05	0.41	-0.16	1.67e-04	1.21e-06	2.88e-05
8	18	0.04	0.32	-0.14	1.32e-04	1.79e-06	2.22e-05
8	20	7.17	-0.51	-0.02	5.21e-04	3.62e-05	-1.04e-03
8	49	-5.07	1.55	-0.39	-6.16e-04	-4.78e-05	1.41e-03
8	52	5.22	-0.30	-0.05	4.24e-04	2.74e-05	-7.67e-04
8	81	-3.71	1.25	-0.34	-4.55e-04	-3.57e-05	1.06e-03
8	84	4.62	-0.23	-0.06	3.91e-04	2.45e-05	-6.78e-04
8	113	-3.28	1.15	-0.32	-3.89e-04	-3.15e-05	9.41e-04
8	116	8.64	-0.69	8.93e-03	5.99e-04	4.33e-05	-1.26e-03
8	145	-6.12	1.79	-0.43	-7.39e-04	-5.75e-05	1.70e-03
9	2	5.98e-03	0.34	-0.23	4.82e-04	-1.56e-03	-5.02e-04
9	10	4.19e-03	0.24	-0.16	3.32e-04	-1.09e-03	-3.46e-04
9	14	3.58e-03	0.25	-0.11	1.99e-04	-7.69e-04	-2.12e-04
9	18	2.82e-03	0.20	-0.09	1.50e-04	-6.01e-04	-1.67e-04
9	19	3.93	-0.90	-0.05	3.29e-04	-3.18e-04	-7.83e-04
9	49	-0.74	3.37	-0.22	-3.83e-04	-1.62e-03	1.67e-03
9	55	3.18	-0.52	-0.07	2.69e-04	-4.56e-04	-5.69e-04
9	81	-0.56	2.57	-0.19	-2.50e-04	-1.38e-03	1.22e-03
9	87	2.86	-0.43	-0.07	2.55e-04	-4.73e-04	-5.23e-04
9	113	-0.50	2.30	-0.17	-2.05e-04	-1.29e-03	1.06e-03
9	115	4.54	-1.13	-0.04	3.66e-04	-2.58e-04	-9.11e-04
9	145	-0.87	4.04	-0.24	-4.93e-04	-1.81e-03	2.05e-03
10	2	5.99e-03	0.76	-1.49	1.29e-03	-2.05e-04	-6.73e-05
10	10	4.19e-03	0.53	-1.04	8.85e-04	-1.43e-04	-4.38e-05
10	14	3.58e-03	0.42	-0.73	4.52e-04	-1.03e-04	2.02e-05
10	18	2.82e-03	0.32	-0.57	3.47e-04	-7.98e-05	1.56e-05
10	19	3.93	-0.05	-0.30	5.75e-04	-3.47e-05	-5.09e-04
10	49	-0.74	1.56	-1.56	-1.10e-03	-2.48e-04	1.54e-03
10	55	3.18	0.11	-0.43	3.75e-04	-5.78e-05	-3.25e-04
10	81	-0.57	1.26	-1.33	-7.92e-04	-2.09e-04	1.15e-03
10	87	2.86	0.14	-0.45	3.71e-04	-6.04e-05	-2.86e-04
10	113	-0.50	1.16	-1.24	-6.65e-04	-1.94e-04	1.03e-03
10	115	4.54	-0.13	-0.24	6.28e-04	-2.50e-05	-6.18e-04
10	145	-0.87	1.80	-1.74	-1.32e-03	-2.79e-04	1.86e-03
11	2	-0.06	-0.48	-3.45	-4.30e-04	-1.14e-04	1.58e-04
11	5	-0.03	-1.07	-1.80	8.91e-05	-2.50e-06	9.86e-05
11	6	-0.06	-0.96	-3.23	-2.50e-04	-7.17e-05	1.58e-04
11	10	-0.04	-0.31	-2.37	-2.98e-04	-7.81e-05	1.08e-04

11	11	-0.02	-0.71	-1.28	4.73e-05	-4.01e-06	6.86e-05
11	12	-0.04	-0.63	-2.23	-1.78e-04	-5.01e-05	1.08e-04
11	14	-0.02	0.07	-1.30	-1.72e-04	-5.75e-05	5.51e-05
11	15	-7.59e-03	-0.13	-0.75	0.0	-2.05e-05	3.52e-05
11	18	-0.01	0.05	-1.03	-1.08e-04	-4.43e-05	4.38e-05
11	26	-35.45	0.61	-0.85	-2.19e-04	-0.01	6.69e-03
11	48	10.03	-3.98	-4.39	3.24e-04	4.34e-03	-6.16e-04
11	49	-10.05	4.07	2.34	-5.39e-04	-4.42e-03	7.03e-04
11	66	-22.74	0.53	-0.84	-1.96e-04	-8.56e-03	4.30e-03
11	80	6.47	-3.08	-3.68	2.19e-04	2.83e-03	-2.65e-04
11	81	-6.49	3.17	1.63	-4.34e-04	-2.92e-03	3.52e-04
11	98	-19.80	0.47	-0.87	-1.85e-04	-7.45e-03	3.76e-03
11	112	5.62	-2.73	-3.39	1.82e-04	2.46e-03	-2.10e-04
11	113	-5.64	2.82	1.33	-3.97e-04	-2.55e-03	2.98e-04
11	122	-45.18	0.77	-0.76	-2.43e-04	-0.02	8.46e-03
11	144	12.35	-4.68	-4.93	4.10e-04	5.33e-03	-7.95e-04
11	145	-12.37	4.77	2.87	-6.25e-04	-5.42e-03	8.83e-04
12	2	-1.08	-0.36	-1.37	-9.90e-05	-1.10e-03	7.47e-04
12	6	-0.81	-0.52	-1.09	-4.76e-05	-9.18e-04	5.92e-04
12	10	-0.75	-0.24	-0.95	-6.65e-05	-7.58e-04	5.17e-04
12	12	-0.57	-0.35	-0.76	-3.22e-05	-6.37e-04	4.14e-04
12	14	-0.52	-0.05	-0.61	-2.51e-05	-5.26e-04	3.44e-04
12	16	-0.41	-0.10	-0.48	-3.06e-06	-4.44e-04	2.75e-04
12	18	-0.42	-0.04	-0.48	-5.53e-06	-4.39e-04	2.75e-04
12	25	-35.85	3.17	0.46	-6.13e-06	-0.01	6.23e-03
12	48	10.50	-4.04	-1.65	5.83e-05	3.97e-03	-4.08e-04
12	65	-23.13	2.39	0.22	-7.50e-06	-9.13e-03	4.01e-03
12	80	6.70	-3.03	-1.36	4.67e-05	2.47e-03	-4.94e-05
12	97	-20.18	2.11	0.14	-7.33e-06	-8.00e-03	3.52e-03
12	112	5.78	-2.69	-1.26	4.10e-05	2.10e-03	7.04e-06
12	121	-45.59	3.84	0.65	-4.74e-06	-0.02	7.86e-03
12	144	13.01	-4.88	-1.89	6.65e-05	4.96e-03	-5.96e-04
13	2	0.57	-1.16	-0.37	2.01e-04	8.63e-05	4.86e-05
13	6	0.62	-1.39	-0.36	2.28e-04	9.41e-05	8.35e-05
13	10	0.39	-0.78	-0.27	1.36e-04	6.02e-05	3.21e-05
13	12	0.42	-0.94	-0.26	1.54e-04	6.54e-05	5.55e-05
13	14	0.19	-0.28	-0.25	5.19e-05	3.35e-05	1.25e-06
13	16	0.20	-0.34	-0.24	5.79e-05	3.51e-05	1.31e-05
13	18	0.16	-0.22	-0.24	3.99e-05	2.95e-05	2.11e-06
13	24	9.11	-8.38	-0.19	1.23e-03	1.26e-03	-1.93e-03
13	26	-5.12	2.86	-0.34	-3.99e-04	-6.78e-04	9.52e-04
13	48	7.90	-10.41	-0.29	1.54e-03	1.12e-03	-2.11e-03
13	56	6.81	-6.32	-0.20	9.34e-04	9.45e-04	-1.46e-03
13	58	-3.72	2.07	-0.31	-2.88e-04	-4.92e-04	7.15e-04
13	80	6.00	-7.85	-0.28	1.17e-03	8.55e-04	-1.60e-03
13	88	6.05	-5.63	-0.21	8.33e-04	8.41e-04	-1.29e-03
13	90	-3.28	1.81	-0.30	-2.51e-04	-4.32e-04	6.35e-04
13	112	5.34	-6.99	-0.27	1.04e-03	7.62e-04	-1.42e-03
13	120	10.93	-10.08	-0.18	1.48e-03	1.51e-03	-2.32e-03
13	122	-6.20	3.50	-0.36	-4.90e-04	-8.23e-04	1.14e-03
13	144	9.46	-12.55	-0.30	1.85e-03	1.35e-03	-2.54e-03
14	1	0.0	0.0	0.0	0.0	0.0	0.0
14	9	0.0	0.0	0.0	0.0	0.0	0.0
14	13	0.0	0.0	0.0	0.0	0.0	0.0
14	17	0.0	0.0	0.0	0.0	0.0	0.0
14	19	0.0	0.0	0.0	0.0	0.0	0.0
14	51	0.0	0.0	0.0	0.0	0.0	0.0
14	83	0.0	0.0	0.0	0.0	0.0	0.0
14	115	0.0	0.0	0.0	0.0	0.0	0.0
15	2	0.43	-0.59	-5.03	-6.02e-03	2.74e-04	-3.56e-04
15	5	0.35	-1.29	-1.96	-1.72e-03	1.94e-04	-3.04e-04
15	6	0.49	-1.16	-4.27	-4.87e-03	2.74e-04	-4.15e-04
15	10	0.30	-0.38	-3.47	-4.16e-03	1.89e-04	-2.41e-04
15	11	0.24	-0.85	-1.42	-1.29e-03	1.36e-04	-2.06e-04
15	12	0.33	-0.77	-2.97	-3.39e-03	1.89e-04	-2.80e-04
15	14	0.12	0.08	-2.13	-2.46e-03	1.17e-04	-8.09e-05
15	15	0.09	-0.16	-1.11	-1.03e-03	9.04e-05	-6.34e-05
15	16	0.13	-0.12	-1.77	-1.93e-03	1.13e-04	-9.53e-05
15	18	0.09	0.05	-1.69	-1.86e-03	1.02e-04	-5.96e-05
15	32	36.95	-2.90	-3.64	-3.66e-03	-5.37e-03	-0.05
15	48	12.55	-4.43	-4.32	-4.26e-03	-7.72e-04	-0.01
15	49	-12.37	4.53	0.94	5.38e-04	9.76e-04	0.01
15	56	22.63	-2.05	-3.10	-3.16e-03	-3.25e-03	-0.03
15	80	7.73	-3.46	-3.70	-3.69e-03	-2.99e-04	-5.51e-03
15	81	-7.55	3.56	0.32	-2.93e-05	5.02e-04	5.40e-03

15	88	19.72	-1.81	-2.94	-3.01e-03	-2.82e-03	-0.03
15	112	6.73	-3.07	-3.48	-3.48e-03	-2.33e-04	-4.71e-03
15	113	-6.55	3.17	0.09	-2.35e-04	4.37e-04	4.59e-03
15	128	47.14	-3.46	-4.04	-4.02e-03	-6.90e-03	-0.06
15	144	15.93	-5.16	-4.81	-4.71e-03	-1.08e-03	-0.01
15	145	-15.75	5.27	1.43	9.94e-04	1.29e-03	0.01
16	2	-0.24	-1.77	-3.94	-5.70e-03	1.35e-03	7.61e-04
16	5	0.17	-2.90	-1.29	-1.67e-03	8.36e-04	6.03e-06
16	10	-0.17	-1.18	-2.72	-3.94e-03	9.30e-04	5.32e-04
16	11	0.10	-1.93	-0.95	-1.25e-03	5.85e-04	2.88e-05
16	14	-0.21	-0.08	-1.68	-2.40e-03	6.14e-04	4.56e-04
16	15	-0.07	-0.45	-0.79	-1.06e-03	4.41e-04	2.05e-04
16	17	-0.11	-0.08	-0.75	-1.01e-03	4.05e-04	2.49e-04
16	18	-0.17	-0.08	-1.31	-1.84e-03	5.30e-04	3.73e-04
16	33	-37.06	3.84	-1.18	-1.97e-03	5.90e-03	0.05
16	48	12.35	-8.09	-1.45	-1.63e-03	2.33e-05	-9.96e-03
16	57	-22.74	2.60	-1.23	-1.86e-03	3.80e-03	0.03
16	80	7.51	-6.57	-1.42	-1.67e-03	4.36e-04	-5.06e-03
16	89	-19.83	2.30	-1.24	-1.86e-03	3.37e-03	0.03
16	112	6.50	-5.85	-1.41	-1.69e-03	4.69e-04	-4.26e-03
16	129	-47.26	4.46	-1.16	-1.99e-03	7.41e-03	0.07
16	144	15.74	-9.16	-1.48	-1.60e-03	-2.32e-04	-0.01
17	2	0.21	-1.77	-0.26	1.32e-03	1.18e-03	1.19e-03
17	5	0.16	-2.90	-0.18	7.83e-04	7.89e-04	1.47e-03
17	6	0.23	-2.88	-0.24	1.30e-03	1.13e-03	1.64e-03
17	10	0.14	-1.18	-0.18	9.03e-04	8.11e-04	8.01e-04
17	11	0.11	-1.93	-0.13	5.46e-04	5.50e-04	9.89e-04
17	12	0.16	-1.92	-0.17	8.90e-04	7.74e-04	1.10e-03
17	14	0.07	-0.08	-0.14	4.56e-04	5.60e-04	1.98e-04
17	15	0.05	-0.45	-0.11	2.77e-04	4.29e-04	2.92e-04
17	16	0.07	-0.45	-0.13	4.25e-04	5.26e-04	3.40e-04
17	17	0.04	-0.08	-0.11	2.10e-04	3.99e-04	1.18e-04
17	18	0.06	-0.08	-0.12	3.57e-04	4.96e-04	1.66e-04
17	24	3.80	-3.48	-0.21	1.29e-03	1.10e-03	5.58e-04
17	48	3.19	-8.09	-0.24	2.37e-03	1.37e-03	3.79e-03
17	56	2.83	-2.76	-0.19	1.10e-03	9.50e-04	5.29e-04
17	80	2.42	-6.57	-0.22	2.01e-03	1.17e-03	3.14e-03
17	88	2.52	-2.46	-0.18	1.01e-03	8.99e-04	4.90e-04
17	112	2.15	-5.85	-0.21	1.83e-03	1.10e-03	2.82e-03
17	120	4.56	-4.00	-0.22	1.43e-03	1.22e-03	5.51e-04
17	144	3.82	-9.16	-0.26	2.62e-03	1.53e-03	4.24e-03
18	2	0.21	-0.59	-1.20	8.00e-04	1.67e-04	6.13e-04
18	5	0.16	-1.29	-0.82	4.95e-04	1.22e-04	1.07e-03
18	6	0.23	-1.16	-1.15	8.01e-04	1.61e-04	1.04e-03
18	10	0.14	-0.39	-0.83	5.48e-04	1.16e-04	4.07e-04
18	11	0.11	-0.85	-0.57	3.44e-04	8.59e-05	7.12e-04
18	12	0.16	-0.77	-0.79	5.48e-04	1.12e-04	6.92e-04
18	14	0.07	0.07	-0.59	2.71e-04	8.63e-05	5.87e-06
18	15	0.05	-0.16	-0.46	1.69e-04	7.14e-05	1.59e-04
18	16	0.07	-0.12	-0.55	2.57e-04	8.25e-05	1.50e-04
18	18	0.06	0.05	-0.52	2.13e-04	7.89e-05	1.16e-05
18	24	3.80	-2.70	-1.11	1.03e-03	1.68e-04	4.14e-04
18	48	3.19	-4.41	-1.37	1.70e-03	1.67e-04	2.96e-03
18	49	-3.08	4.51	0.33	-1.27e-03	-9.65e-06	-2.94e-03
18	56	2.84	-2.04	-0.96	8.43e-04	1.46e-04	3.70e-04
18	80	2.42	-3.44	-1.18	1.39e-03	1.48e-04	2.43e-03
18	81	-2.31	3.54	0.13	-9.68e-04	9.45e-06	-2.41e-03
18	88	2.52	-1.81	-0.91	7.72e-04	1.38e-04	3.31e-04
18	112	2.15	-3.05	-1.10	1.26e-03	1.41e-04	2.17e-03
18	113	-2.04	3.15	0.06	-8.37e-04	1.72e-05	-2.15e-03
18	120	4.56	-3.21	-1.22	1.18e-03	1.85e-04	4.26e-04
18	144	3.82	-5.14	-1.53	1.93e-03	1.82e-04	3.32e-03
18	145	-3.71	5.24	0.48	-1.50e-03	-2.46e-05	-3.30e-03
19	2	-0.61	-1.55	-2.40	1.01e-03	-1.72e-03	5.71e-04
19	6	-0.13	-1.72	-2.02	8.35e-04	-1.38e-03	4.94e-04
19	10	-0.43	-1.06	-1.66	6.98e-04	-1.19e-03	3.94e-04
19	12	-0.11	-1.17	-1.41	5.80e-04	-9.63e-04	3.43e-04
19	14	-0.43	-0.44	-1.02	4.24e-04	-7.86e-04	2.36e-04
19	16	-0.25	-0.47	-0.84	3.41e-04	-6.36e-04	1.98e-04
19	18	-0.33	-0.34	-0.81	3.29e-04	-6.31e-04	1.87e-04
19	25	-65.49	7.54	1.08	-3.13e-04	-0.03	-0.02
19	48	19.03	-10.20	-3.17	1.13e-03	0.01	7.81e-03
19	57	-40.92	5.55	0.61	-1.52e-04	-0.02	-0.01
19	80	11.88	-7.72	-2.58	9.32e-04	6.88e-03	5.37e-03
19	89	-35.64	4.88	0.45	-9.73e-05	-0.02	-8.89e-03

19	112	10.30	-6.89	-2.38	8.64e-04	5.96e-03	4.74e-03
19	121	-83.00	9.18	1.47	-4.47e-04	-0.03	-0.02
19	144	24.16	-12.26	-3.67	1.30e-03	0.01	9.60e-03
20	2	1.32	-4.76	-7.30	1.57e-03	-3.41e-04	1.93e-04
20	6	1.44	-4.63	-5.75	1.27e-03	-3.12e-04	2.13e-04
20	10	0.90	-3.26	-5.05	1.08e-03	-2.33e-04	1.32e-04
20	12	0.98	-3.17	-4.02	8.82e-04	-2.13e-04	1.45e-04
20	14	0.41	-1.67	-3.22	6.76e-04	-1.20e-04	5.65e-05
20	16	0.43	-1.53	-2.52	5.41e-04	-1.03e-04	6.04e-05
20	18	0.33	-1.31	-2.51	5.29e-04	-9.06e-05	4.50e-05
20	24	65.47	-7.10	-4.61	1.32e-03	0.03	0.02
20	48	19.66	-9.75	-5.61	1.66e-03	0.01	7.66e-03
20	56	40.91	-5.68	-4.10	1.12e-03	0.02	0.01
20	80	12.52	-7.81	-4.90	1.40e-03	7.43e-03	5.22e-03
20	88	35.63	-5.18	-3.92	1.05e-03	0.01	9.13e-03
20	112	10.95	-7.08	-4.63	1.30e-03	6.50e-03	4.59e-03
20	120	82.96	-8.24	-5.03	1.47e-03	0.03	0.02
20	144	24.78	-11.29	-6.18	1.87e-03	0.01	9.46e-03
21	2	0.48	-1.75	-2.50	2.32e-03	-2.94e-04	1.28e-03
21	6	0.40	-2.23	-1.93	1.81e-03	-2.12e-04	1.42e-03
21	10	0.33	-1.18	-1.74	1.60e-03	-2.03e-04	8.72e-04
21	12	0.28	-1.50	-1.35	1.26e-03	-1.49e-04	9.68e-04
21	14	0.21	-0.38	-1.16	1.01e-03	-1.31e-04	3.65e-04
21	16	0.17	-0.52	-0.91	7.79e-04	-9.53e-05	3.94e-04
21	18	0.16	-0.31	-0.92	7.75e-04	-9.82e-05	2.89e-04
21	20	18.76	-4.14	-0.80	1.26e-03	-2.07e-05	-2.05e-03
21	48	14.06	-6.64	-0.72	1.71e-03	5.17e-06	-3.65e-03
21	49	-13.73	6.01	-1.12	-1.58e-04	-2.02e-04	4.23e-03
21	52	13.70	-3.17	-0.83	1.14e-03	-4.06e-05	-1.48e-03
21	80	10.38	-5.18	-0.77	1.50e-03	-2.08e-05	-2.82e-03
21	81	-10.05	4.56	-1.08	4.75e-05	-1.76e-04	3.40e-03
21	84	12.13	-2.85	-0.84	1.10e-03	-4.72e-05	-1.28e-03
21	112	9.20	-4.64	-0.78	1.42e-03	-2.96e-05	-2.48e-03
21	113	-8.88	4.01	-1.06	1.29e-04	-1.67e-04	3.05e-03
21	116	22.60	-4.92	-0.77	1.36e-03	-4.54e-06	-2.52e-03
21	144	16.95	-7.78	-0.68	1.87e-03	2.65e-05	-4.30e-03
21	145	-16.62	7.16	-1.16	-3.18e-04	-2.23e-04	4.88e-03
22	2	0.48	-0.47	-0.58	5.98e-04	-2.38e-03	8.83e-04
22	5	0.18	-0.82	-0.24	1.86e-04	-5.30e-04	7.75e-04
22	10	0.33	-0.31	-0.41	4.13e-04	-1.65e-03	6.00e-04
22	11	0.13	-0.55	-0.18	1.38e-04	-4.16e-04	5.27e-04
22	14	0.21	-0.01	-0.30	2.45e-04	-1.08e-03	2.49e-04
22	15	0.11	-0.13	-0.18	1.07e-04	-4.60e-04	2.13e-04
22	17	0.10	-0.02	-0.18	9.98e-05	-4.71e-04	1.34e-04
22	18	0.16	-0.01	-0.25	1.87e-04	-8.33e-04	2.03e-04
22	20	18.76	-6.41	-0.33	5.71e-04	-6.23e-04	-2.28e-03
22	48	14.06	-8.40	-0.32	6.86e-04	-5.38e-04	-3.91e-03
22	50	6.96	-5.56	-0.35	5.21e-04	-6.33e-04	-2.91e-03
22	52	13.70	-4.80	-0.31	4.78e-04	-6.77e-04	-1.68e-03
22	80	10.38	-6.29	-0.30	5.65e-04	-6.10e-04	-3.04e-03
22	82	5.18	-4.18	-0.33	4.40e-04	-6.80e-04	-2.29e-03
22	84	12.13	-4.25	-0.30	4.45e-04	-6.95e-04	-1.47e-03
22	112	9.20	-5.58	-0.30	5.22e-04	-6.35e-04	-2.68e-03
22	114	4.61	-3.72	-0.32	4.12e-04	-6.97e-04	-2.01e-03
22	116	22.60	-7.74	-0.35	6.51e-04	-5.79e-04	-2.79e-03
22	144	16.94	-10.15	-0.33	7.91e-04	-4.80e-04	-4.59e-03
22	146	8.36	-6.72	-0.37	5.91e-04	-5.95e-04	-3.39e-03
23	2	0.54	-1.76	-0.15	2.80e-04	8.59e-05	1.24e-03
23	5	0.16	-1.87	-0.16	1.19e-04	8.05e-05	1.02e-03
23	6	0.43	-2.23	-0.16	2.48e-04	9.72e-05	1.40e-03
23	10	0.37	-1.19	-0.11	1.92e-04	5.84e-05	8.46e-04
23	11	0.12	-1.26	-0.12	8.49e-05	5.48e-05	6.96e-04
23	12	0.30	-1.50	-0.12	1.71e-04	6.60e-05	9.50e-04
23	14	0.24	-0.38	-0.10	1.08e-04	3.19e-05	3.46e-04
23	15	0.11	-0.42	-0.11	5.45e-05	3.01e-05	2.71e-04
23	16	0.19	-0.52	-0.11	9.13e-05	3.49e-05	3.80e-04
23	17	0.11	-0.21	-0.11	4.68e-05	2.40e-05	1.64e-04
23	18	0.19	-0.31	-0.10	8.37e-05	2.87e-05	2.73e-04
23	20	13.84	-4.14	0.10	1.56e-03	-1.70e-04	-2.02e-03
23	48	11.32	-6.63	-0.40	2.04e-03	3.33e-04	-3.65e-03
23	50	5.31	-4.87	-0.59	1.36e-03	5.25e-04	-2.73e-03
23	52	10.14	-3.17	0.04	1.18e-03	-1.16e-04	-1.46e-03
23	80	8.35	-5.18	-0.32	1.55e-03	2.56e-04	-2.83e-03
23	82	3.96	-3.89	-0.46	1.05e-03	3.96e-04	-2.14e-03
23	84	8.98	-2.85	0.03	1.06e-03	-9.96e-05	-1.27e-03

23	112	7.41	-4.64	-0.30	1.38e-03	2.30e-04	-2.48e-03
23	114	3.53	-3.49	-0.42	9.37e-04	3.54e-04	-1.88e-03
23	116	16.67	-4.92	0.14	1.86e-03	-2.11e-04	-2.48e-03
23	144	13.65	-7.78	-0.45	2.45e-03	3.97e-04	-4.29e-03
23	146	6.38	-5.65	-0.68	1.63e-03	6.29e-04	-3.18e-03
24	2	0.54	-0.49	-0.24	4.79e-04	6.20e-05	9.01e-04
24	5	0.16	-0.83	-0.25	2.61e-04	6.38e-05	7.80e-04
24	6	0.43	-0.81	-0.27	4.61e-04	8.48e-05	1.03e-03
24	10	0.37	-0.33	-0.17	3.28e-04	3.74e-05	6.12e-04
24	11	0.12	-0.55	-0.18	1.83e-04	3.86e-05	5.31e-04
24	12	0.30	-0.54	-0.19	3.16e-04	5.26e-05	6.98e-04
24	14	0.24	-0.02	-0.12	1.65e-04	-4.54e-06	2.58e-04
24	15	0.11	-0.13	-0.12	9.21e-05	-3.93e-06	2.17e-04
24	16	0.19	-0.13	-0.13	1.49e-04	2.08e-06	2.89e-04
24	17	0.11	-0.03	-0.11	6.94e-05	-1.46e-05	1.39e-04
24	18	0.19	-0.02	-0.11	1.27e-04	-8.55e-06	2.10e-04
24	20	13.84	-6.40	0.38	1.50e-03	5.51e-04	-2.27e-03
24	48	11.32	-8.38	-0.86	1.92e-03	4.56e-04	-3.89e-03
24	50	5.31	-5.55	-1.34	1.32e-03	7.27e-04	-2.89e-03
24	52	10.14	-4.79	0.25	1.16e-03	4.05e-04	-1.66e-03
24	80	8.35	-6.28	-0.67	1.47e-03	3.40e-04	-3.02e-03
24	82	3.96	-4.18	-1.02	1.03e-03	5.38e-04	-2.27e-03
24	84	8.98	-4.25	0.21	1.04e-03	3.58e-04	-1.46e-03
24	112	7.41	-5.57	-0.61	1.32e-03	3.01e-04	-2.66e-03
24	114	3.53	-3.71	-0.92	9.24e-04	4.76e-04	-2.00e-03
24	116	16.67	-7.73	0.49	1.79e-03	6.67e-04	-2.77e-03
24	144	13.65	-10.14	-1.02	2.30e-03	5.52e-04	-4.57e-03
24	146	6.38	-6.71	-1.60	1.57e-03	8.79e-04	-3.37e-03
25	2	0.54	-2.01	-0.13	2.47e-04	8.49e-05	1.31e-03
25	5	0.16	-2.08	-0.15	9.52e-05	8.12e-05	1.09e-03
25	6	0.43	-2.52	-0.14	2.12e-04	9.40e-05	1.49e-03
25	10	0.37	-1.36	-0.10	1.70e-04	5.88e-05	8.91e-04
25	11	0.12	-1.41	-0.11	6.86e-05	5.64e-05	7.42e-04
25	12	0.30	-1.70	-0.10	1.47e-04	6.49e-05	1.01e-03
25	14	0.24	-0.45	-0.10	9.88e-05	3.82e-05	3.54e-04
25	15	0.11	-0.48	-0.10	4.82e-05	3.70e-05	2.80e-04
25	16	0.19	-0.60	-0.10	8.16e-05	4.06e-05	3.94e-04
25	17	0.11	-0.24	-0.10	4.31e-05	3.22e-05	1.64e-04
25	18	0.19	-0.37	-0.10	7.65e-05	3.58e-05	2.78e-04
25	20	13.84	-3.86	0.07	1.57e-03	-1.41e-04	-1.92e-03
25	48	11.32	-6.68	-0.34	2.06e-03	2.98e-04	-3.56e-03
25	50	5.31	-5.07	-0.49	1.37e-03	4.68e-04	-2.69e-03
25	52	10.14	-2.98	0.02	1.19e-03	-9.33e-05	-1.39e-03
25	80	8.35	-5.28	-0.28	1.56e-03	2.32e-04	-2.77e-03
25	82	3.96	-4.10	-0.39	1.05e-03	3.56e-04	-2.11e-03
25	84	8.98	-2.69	7.20e-03	1.06e-03	-7.83e-05	-1.20e-03
25	112	7.41	-4.73	-0.26	1.39e-03	2.10e-04	-2.43e-03
25	114	3.53	-3.68	-0.36	9.39e-04	3.19e-04	-1.85e-03
25	116	16.67	-4.56	0.10	1.88e-03	-1.77e-04	-2.37e-03
25	144	13.65	-7.77	-0.38	2.48e-03	3.53e-04	-4.18e-03
25	146	6.38	-5.82	-0.57	1.64e-03	5.59e-04	-3.13e-03
26	1	0.16	-2.39	-0.05	-1.74e-05	8.76e-05	9.20e-04
26	2	0.54	-3.75	-0.04	4.79e-05	7.21e-05	1.54e-03
26	6	0.43	-4.54	-0.04	-1.54e-06	7.74e-05	1.83e-03
26	9	0.12	-1.64	-0.04	-9.42e-06	6.48e-05	6.33e-04
26	10	0.37	-2.54	-0.03	3.41e-05	5.45e-05	1.05e-03
26	12	0.30	-3.07	-0.03	1.13e-06	5.81e-05	1.24e-03
26	13	0.11	-0.43	-0.04	2.05e-05	6.41e-05	1.57e-04
26	14	0.24	-0.89	-0.03	4.22e-05	5.90e-05	3.64e-04
26	16	0.19	-1.11	-0.04	2.36e-05	6.13e-05	4.40e-04
26	17	0.11	-0.43	-0.04	2.05e-05	6.41e-05	1.57e-04
26	18	0.19	-0.71	-0.04	3.35e-05	6.10e-05	2.81e-04
26	20	13.84	-3.06	-0.03	1.63e-03	-4.41e-05	-1.60e-03
26	48	11.32	-8.72	-0.01	2.20e-03	2.26e-04	-3.31e-03
26	49	-10.95	7.30	-0.06	-2.13e-03	-1.04e-04	3.87e-03
26	52	10.14	-2.51	-0.03	1.22e-03	-1.50e-05	-1.15e-03
26	80	8.35	-7.19	-0.02	1.65e-03	1.90e-04	-2.58e-03
26	81	-7.98	5.78	-0.05	-1.58e-03	-6.80e-05	3.15e-03
26	84	8.98	-2.31	-0.03	1.09e-03	-6.06e-06	-9.91e-04
26	112	7.41	-6.47	-0.02	1.46e-03	1.76e-04	-2.27e-03
26	113	-7.04	5.06	-0.05	-1.40e-03	-5.36e-05	2.83e-03
26	116	16.67	-3.49	-0.03	1.97e-03	-6.58e-05	-1.98e-03
26	144	13.65	-9.79	-9.37e-03	2.65e-03	2.55e-04	-3.86e-03
26	145	-13.28	8.38	-0.06	-2.59e-03	-1.33e-04	4.42e-03
27	2	0.48	-2.01	-2.50	3.04e-03	3.17e-04	1.35e-03

27	6	0.40	-2.52	-1.92	2.40e-03	2.51e-04	1.52e-03
27	10	0.33	-1.36	-1.74	2.10e-03	2.20e-04	9.18e-04
27	12	0.28	-1.70	-1.35	1.68e-03	1.76e-04	1.03e-03
27	14	0.21	-0.45	-1.16	1.30e-03	1.46e-04	3.72e-04
27	16	0.17	-0.60	-0.91	1.01e-03	1.17e-04	4.08e-04
27	18	0.16	-0.37	-0.92	9.99e-04	1.17e-04	2.92e-04
27	20	18.76	-3.85	-0.78	1.28e-03	1.04e-04	-1.95e-03
27	48	14.06	-6.67	-0.71	1.51e-03	1.42e-04	-3.57e-03
27	49	-13.73	5.93	-1.13	4.83e-04	9.25e-05	4.16e-03
27	52	13.70	-2.98	-0.82	1.21e-03	1.07e-04	-1.41e-03
27	80	10.38	-5.27	-0.75	1.40e-03	1.36e-04	-2.76e-03
27	81	-10.05	4.53	-1.08	5.95e-04	9.83e-05	3.35e-03
27	84	12.13	-2.68	-0.83	1.19e-03	1.08e-04	-1.22e-03
27	112	9.20	-4.73	-0.77	1.36e-03	1.34e-04	-2.42e-03
27	113	-8.88	3.99	-1.07	6.40e-04	1.00e-04	3.01e-03
27	116	22.60	-4.55	-0.76	1.33e-03	1.01e-04	-2.41e-03
27	144	16.95	-7.75	-0.67	1.60e-03	1.47e-04	-4.20e-03
27	145	-16.62	7.01	-1.17	3.95e-04	8.76e-05	4.78e-03
28	2	0.48	-3.74	-0.53	2.25e-03	2.44e-03	1.46e-03
28	6	0.40	-4.53	-0.42	1.80e-03	1.86e-03	1.72e-03
28	10	0.33	-2.54	-0.37	1.55e-03	1.69e-03	9.94e-04
28	12	0.28	-3.06	-0.30	1.25e-03	1.30e-03	1.17e-03
28	14	0.21	-0.89	-0.26	9.58e-04	1.11e-03	3.51e-04
28	16	0.17	-1.10	-0.21	7.53e-04	8.58e-04	4.18e-04
28	18	0.16	-0.71	-0.22	7.38e-04	8.69e-04	2.70e-04
28	20	18.76	-3.06	-0.19	8.17e-04	7.16e-04	-1.57e-03
28	48	14.06	-8.72	-0.17	8.53e-04	6.35e-04	-3.28e-03
28	49	-13.73	7.30	-0.26	6.22e-04	1.10e-03	3.82e-03
28	52	13.70	-2.51	-0.20	7.96e-04	7.55e-04	-1.13e-03
28	80	10.38	-7.19	-0.18	8.24e-04	6.90e-04	-2.56e-03
28	81	-10.05	5.78	-0.25	6.52e-04	1.05e-03	3.10e-03
28	84	12.13	-2.31	-0.20	7.90e-04	7.68e-04	-9.73e-04
28	112	9.20	-6.47	-0.19	8.14e-04	7.10e-04	-2.25e-03
28	113	-8.88	5.06	-0.25	6.61e-04	1.03e-03	2.79e-03
28	116	22.60	-3.49	-0.18	8.33e-04	6.84e-04	-1.94e-03
28	144	16.95	-9.79	-0.17	8.77e-04	5.92e-04	-3.82e-03
28	145	-16.62	8.38	-0.27	5.99e-04	1.15e-03	4.36e-03
29	1	0.0	0.0	0.0	0.0	0.0	0.0
29	9	0.0	0.0	0.0	0.0	0.0	0.0
29	13	0.0	0.0	0.0	0.0	0.0	0.0
29	17	0.0	0.0	0.0	0.0	0.0	0.0
29	19	0.0	0.0	0.0	0.0	0.0	0.0
29	51	0.0	0.0	0.0	0.0	0.0	0.0
29	83	0.0	0.0	0.0	0.0	0.0	0.0
29	115	0.0	0.0	0.0	0.0	0.0	0.0
30	1	0.0	0.0	0.0	0.0	0.0	0.0
30	9	0.0	0.0	0.0	0.0	0.0	0.0
30	13	0.0	0.0	0.0	0.0	0.0	0.0
30	17	0.0	0.0	0.0	0.0	0.0	0.0
30	19	0.0	0.0	0.0	0.0	0.0	0.0
30	51	0.0	0.0	0.0	0.0	0.0	0.0
30	83	0.0	0.0	0.0	0.0	0.0	0.0
30	115	0.0	0.0	0.0	0.0	0.0	0.0
31	2	5.98e-03	0.29	-0.07	-8.00e-05	2.76e-06	0.0
31	7	-1.57e-03	-0.29	-0.01	1.30e-04	0.0	0.0
31	10	4.18e-03	0.20	-0.05	-5.83e-05	1.93e-06	0.0
31	14	3.58e-03	0.23	-0.03	-8.12e-05	1.65e-06	0.0
31	18	2.82e-03	0.18	-0.03	-6.36e-05	1.30e-06	0.0
31	19	3.92	-0.98	-0.02	4.40e-04	1.81e-03	0.0
31	49	-0.74	3.53	-0.05	-1.52e-03	-3.43e-04	0.0
31	55	3.18	-0.58	-0.02	2.66e-04	1.47e-03	0.0
31	81	-0.56	2.68	-0.05	-1.15e-03	-2.60e-04	0.0
31	87	2.86	-0.49	-0.02	2.28e-04	1.32e-03	0.0
31	113	-0.50	2.40	-0.04	-1.03e-03	-2.31e-04	0.0
31	115	4.54	-1.22	-0.02	5.45e-04	2.09e-03	0.0
31	145	-0.87	4.23	-0.06	-1.83e-03	-4.01e-04	0.0
32	2	0.13	0.26	-0.17	4.83e-04	7.36e-05	-1.07e-05
32	7	0.04	-0.29	-0.07	1.50e-04	2.27e-05	3.91e-06
32	10	0.09	0.19	-0.12	3.33e-04	5.07e-05	-7.34e-06
32	14	0.05	0.22	-0.10	2.02e-04	3.14e-05	-5.93e-06
32	18	0.04	0.17	-0.09	1.59e-04	2.49e-05	-4.41e-06
32	20	7.17	-2.37	-0.13	9.25e-04	3.54e-03	6.27e-04
32	48	5.15	-3.16	-0.15	1.16e-03	2.58e-03	4.06e-04
32	49	-5.07	3.51	-0.02	-8.38e-04	-2.53e-03	-4.15e-04
32	52	5.22	-1.72	-0.12	7.31e-04	2.58e-03	4.64e-04

32	80	3.80	-2.32	-0.13	9.07e-04	1.90e-03	3.10e-04
32	81	-3.71	2.66	-0.04	-5.89e-04	-1.85e-03	-3.19e-04
32	84	4.62	-1.51	-0.12	6.66e-04	2.28e-03	4.10e-04
32	112	3.36	-2.04	-0.13	8.22e-04	1.69e-03	2.75e-04
32	113	-3.28	2.38	-0.05	-5.04e-04	-1.64e-03	-2.84e-04
32	116	8.64	-2.89	-0.14	1.08e-03	4.26e-03	7.54e-04
32	144	6.21	-3.86	-0.16	1.36e-03	3.11e-03	4.84e-04
32	145	-6.12	4.20	-0.01	-1.04e-03	-3.06e-03	-4.92e-04
33	2	0.13	0.11	-0.14	5.69e-04	7.34e-05	0.0
33	10	0.09	0.07	-0.10	3.85e-04	5.05e-05	0.0
33	14	0.05	0.06	-0.07	1.27e-04	3.14e-05	0.0
33	18	0.04	0.04	-0.06	1.01e-04	2.49e-05	0.0
33	20	7.17	0.14	-0.06	4.49e-04	3.54e-03	0.0
33	43	-2.00	0.22	-0.07	-1.15e-03	-1.01e-03	0.0
33	49	-5.07	0.18	-0.08	-1.24e-03	-2.53e-03	0.0
33	52	5.22	0.12	-0.06	3.75e-04	2.58e-03	0.0
33	75	-1.48	0.18	-0.07	-9.22e-04	-7.44e-04	0.0
33	81	-3.71	0.15	-0.07	-9.97e-04	-1.85e-03	0.0
33	84	4.62	0.11	-0.06	3.46e-04	2.28e-03	0.0
33	107	-1.31	0.17	-0.07	-8.10e-04	-6.57e-04	0.0
33	113	-3.28	0.14	-0.07	-8.76e-04	-1.64e-03	0.0
33	116	8.64	0.16	-0.05	5.10e-04	4.26e-03	0.0
33	143	-3.00	0.24	-0.07	-1.28e-03	-1.49e-03	0.0
33	145	-6.12	0.20	-0.08	-1.41e-03	-3.06e-03	0.0
34	2	5.99e-03	0.11	-0.08	7.92e-05	2.76e-06	0.0
34	10	4.19e-03	0.07	-0.06	5.43e-05	1.93e-06	0.0
34	14	3.58e-03	0.06	-0.04	3.04e-05	1.65e-06	0.0
34	18	2.83e-03	0.04	-0.03	2.27e-05	1.30e-06	0.0
34	19	3.93	0.12	-0.03	1.16e-05	1.81e-03	0.0
34	43	1.26	0.18	-0.05	-3.64e-05	5.83e-04	0.0
34	49	-0.74	0.15	-0.06	-2.30e-05	-3.43e-04	0.0
34	55	3.18	0.11	-0.03	-6.48e-06	1.47e-03	0.0
34	75	1.02	0.15	-0.05	-2.40e-05	4.70e-04	0.0
34	81	-0.56	0.13	-0.05	-1.40e-05	-2.60e-04	0.0
34	87	2.86	0.10	-0.03	-3.22e-06	1.32e-03	0.0
34	107	0.92	0.14	-0.05	-1.88e-05	4.22e-04	0.0
34	113	-0.50	0.12	-0.05	-9.99e-06	-2.31e-04	0.0
34	115	4.54	0.13	-0.03	9.07e-06	2.09e-03	0.0
34	139	1.47	0.20	-0.06	-4.59e-05	6.75e-04	0.0
34	145	-0.87	0.17	-0.06	-2.98e-05	-4.01e-04	0.0
35	1	0.0	0.0	0.0	0.0	0.0	0.0
35	9	0.0	0.0	0.0	0.0	0.0	0.0
35	13	0.0	0.0	0.0	0.0	0.0	0.0
35	17	0.0	0.0	0.0	0.0	0.0	0.0
35	19	0.0	0.0	0.0	0.0	0.0	0.0
35	51	0.0	0.0	0.0	0.0	0.0	0.0
35	83	0.0	0.0	0.0	0.0	0.0	0.0
35	115	0.0	0.0	0.0	0.0	0.0	0.0
36	1	0.0	0.0	0.0	0.0	0.0	0.0
36	9	0.0	0.0	0.0	0.0	0.0	0.0
36	13	0.0	0.0	0.0	0.0	0.0	0.0
36	17	0.0	0.0	0.0	0.0	0.0	0.0
36	19	0.0	0.0	0.0	0.0	0.0	0.0
36	51	0.0	0.0	0.0	0.0	0.0	0.0
36	83	0.0	0.0	0.0	0.0	0.0	0.0
36	115	0.0	0.0	0.0	0.0	0.0	0.0
37	2	0.48	-3.89	-0.29	8.23e-04	1.12e-04	0.0
37	6	0.40	-4.70	-0.23	9.30e-04	9.22e-05	0.0
37	10	0.33	-2.63	-0.20	5.60e-04	7.73e-05	0.0
37	12	0.28	-3.18	-0.17	6.31e-04	6.40e-05	0.0
37	14	0.21	-0.92	-0.15	2.26e-04	4.92e-05	0.0
37	16	0.17	-1.15	-0.13	2.49e-04	4.01e-05	0.0
37	18	0.16	-0.73	-0.13	1.78e-04	3.91e-05	0.0
37	20	18.76	-3.07	-0.12	1.50e-03	2.13e-03	0.0
37	48	14.06	-8.97	-0.11	2.25e-03	1.89e-03	0.0
37	49	-13.73	7.50	-0.15	-1.89e-03	-1.82e-03	0.0
37	52	13.70	-2.52	-0.12	1.16e-03	1.58e-03	0.0
37	80	10.38	-7.41	-0.11	1.75e-03	1.41e-03	0.0
37	81	-10.05	5.94	-0.14	-1.39e-03	-1.34e-03	0.0
37	84	12.13	-2.33	-0.12	1.05e-03	1.40e-03	0.0
37	112	9.20	-6.67	-0.12	1.57e-03	1.26e-03	0.0
37	113	-8.88	5.21	-0.14	-1.21e-03	-1.18e-03	0.0
37	116	22.60	-3.48	-0.11	1.78e-03	2.56e-03	0.0
37	144	16.95	-10.06	-0.11	2.64e-03	2.28e-03	0.0
37	145	-16.62	8.60	-0.15	-2.29e-03	-2.20e-03	0.0

38	1	0.16	-2.48	-0.04	-2.55e-05	3.11e-05	0.0
38	2	0.54	-3.90	-0.03	3.14e-05	1.19e-04	0.0
38	6	0.43	-4.73	-0.03	-1.93e-05	9.14e-05	0.0
38	9	0.12	-1.70	-0.03	-1.51e-05	2.32e-05	0.0
38	10	0.37	-2.65	-0.02	2.28e-05	8.18e-05	0.0
38	12	0.30	-3.19	-0.02	-1.10e-05	6.34e-05	0.0
38	13	0.11	-0.45	-0.03	1.86e-05	2.44e-05	0.0
38	14	0.24	-0.92	-0.03	3.75e-05	5.37e-05	0.0
38	16	0.19	-1.15	-0.03	1.87e-05	4.16e-05	0.0
38	17	0.11	-0.45	-0.03	1.86e-05	2.44e-05	0.0
38	18	0.19	-0.73	-0.03	2.99e-05	4.20e-05	0.0
38	20	13.84	-3.06	-0.02	1.64e-03	2.07e-03	0.0
38	48	11.32	-8.97	-0.01	2.21e-03	1.89e-03	0.0
38	49	-10.95	7.50	-0.04	-2.15e-03	-1.81e-03	0.0
38	52	10.14	-2.52	-0.02	1.23e-03	1.53e-03	0.0
38	80	8.35	-7.41	-0.02	1.66e-03	1.41e-03	0.0
38	81	-7.98	5.94	-0.04	-1.60e-03	-1.33e-03	0.0
38	84	8.98	-2.33	-0.02	1.09e-03	1.36e-03	0.0
38	112	7.41	-6.67	-0.02	1.47e-03	1.25e-03	0.0
38	113	-7.04	5.21	-0.04	-1.41e-03	-1.17e-03	0.0
38	116	16.67	-3.48	-0.02	1.97e-03	2.49e-03	0.0
38	144	13.65	-10.06	-0.01	2.67e-03	2.28e-03	0.0
38	145	-13.28	8.60	-0.05	-2.61e-03	-2.20e-03	0.0
39	1	0.05	-2.21	-0.02	6.10e-04	2.60e-05	0.0
39	2	0.15	-2.82	-0.02	9.04e-04	8.52e-05	0.0
39	6	0.12	-3.93	-0.02	1.14e-03	6.91e-05	0.0
39	9	0.04	-1.49	-0.02	4.16e-04	1.92e-05	0.0
39	10	0.11	-1.90	-0.01	6.12e-04	5.87e-05	0.0
39	12	0.09	-2.64	-0.01	7.68e-04	4.79e-05	0.0
39	13	0.03	-0.19	-0.02	9.31e-05	1.76e-05	0.0
39	14	0.07	-0.40	-0.02	1.91e-04	3.74e-05	0.0
39	16	0.05	-0.75	-0.02	2.60e-04	3.00e-05	0.0
39	17	0.03	-0.19	-0.02	9.31e-05	1.76e-05	0.0
39	18	0.05	-0.31	-0.02	1.52e-04	2.95e-05	0.0
39	20	4.81	-0.28	-0.01	2.09e-04	2.47e-03	0.0
39	49	-3.67	3.44	-0.02	-1.64e-03	-1.91e-03	0.0
39	50	1.77	-4.49	-0.01	1.80e-03	9.22e-04	0.0
39	52	3.51	-0.31	-0.01	2.03e-04	1.81e-03	0.0
39	81	-2.67	2.77	-0.02	-1.31e-03	-1.39e-03	0.0
39	82	1.31	-3.72	-0.01	1.50e-03	6.86e-04	0.0
39	84	3.11	-0.31	-0.01	1.99e-04	1.60e-03	0.0
39	113	-2.36	2.43	-0.02	-1.15e-03	-1.23e-03	0.0
39	114	1.17	-3.34	-0.01	1.36e-03	6.10e-04	0.0
39	116	5.80	-0.25	-0.01	2.11e-04	2.98e-03	0.0
39	145	-4.45	3.90	-0.02	-1.87e-03	-2.32e-03	0.0
39	146	2.12	-5.04	-0.01	2.00e-03	1.11e-03	0.0
40	2	0.54	-0.40	-0.24	4.96e-04	1.33e-04	-6.12e-05
40	5	0.16	-0.75	-0.26	2.73e-04	3.62e-05	-8.08e-06
40	6	0.43	-0.71	-0.28	4.79e-04	1.04e-04	-4.32e-05
40	10	0.37	-0.27	-0.17	3.39e-04	9.13e-05	-4.20e-05
40	11	0.12	-0.50	-0.18	1.91e-04	2.69e-05	-6.58e-06
40	12	0.30	-0.47	-0.19	3.28e-04	7.19e-05	-3.00e-05
40	14	0.24	7.19e-03	-0.12	1.69e-04	5.92e-05	-2.82e-05
40	15	0.11	-0.11	-0.12	9.53e-05	2.70e-05	-1.05e-05
40	16	0.19	-0.10	-0.13	1.54e-04	4.63e-05	-2.05e-05
40	17	0.11	-0.01	-0.11	7.13e-05	2.70e-05	-1.14e-05
40	18	0.19	-3.04e-04	-0.11	1.30e-04	4.63e-05	-2.15e-05
40	20	13.84	-6.61	0.41	1.50e-03	2.06e-03	2.51e-03
40	48	11.32	-8.64	-0.90	1.91e-03	1.90e-03	-1.22e-03
40	50	5.31	-5.72	-1.41	1.32e-03	9.12e-04	-2.31e-03
40	52	10.14	-4.95	0.27	1.15e-03	1.53e-03	1.80e-03
40	80	8.35	-6.47	-0.70	1.47e-03	1.42e-03	-9.03e-04
40	82	3.96	-4.30	-1.07	1.02e-03	6.90e-04	-1.70e-03
40	84	8.98	-4.39	0.23	1.04e-03	1.36e-03	1.59e-03
40	112	7.41	-5.74	-0.64	1.32e-03	1.26e-03	-8.01e-04
40	114	3.53	-3.82	-0.96	9.23e-04	6.17e-04	-1.51e-03
40	116	16.67	-7.99	0.52	1.78e-03	2.48e-03	3.03e-03
40	144	13.65	-10.45	-1.07	2.29e-03	2.29e-03	-1.46e-03
40	146	6.38	-6.91	-1.68	1.57e-03	1.09e-03	-2.77e-03
41	2	0.48	-0.39	-0.35	4.76e-04	1.12e-04	-3.11e-05
41	5	0.18	-0.75	-0.19	2.79e-04	3.83e-05	1.64e-05
41	10	0.33	-0.25	-0.25	3.25e-04	7.72e-05	-2.11e-05
41	11	0.13	-0.49	-0.14	1.94e-04	2.81e-05	1.06e-05
41	14	0.21	0.01	-0.19	1.58e-04	4.96e-05	-1.77e-05
41	15	0.11	-0.11	-0.14	9.22e-05	2.51e-05	-1.82e-06

41	17	0.10	-8.68e-03	-0.14	6.67e-05	2.43e-05	-4.93e-06
41	18	0.16	5.08e-03	-0.17	1.21e-04	3.95e-05	-1.26e-05
41	20	18.76	-6.62	-0.27	1.61e-03	2.13e-03	1.03e-03
41	48	14.06	-8.65	-0.29	2.06e-03	1.91e-03	7.19e-04
41	49	-13.73	8.66	-0.04	-1.82e-03	-1.83e-03	-7.44e-04
41	52	13.70	-4.95	-0.24	1.24e-03	1.58e-03	7.65e-04
41	80	10.38	-6.48	-0.26	1.58e-03	1.42e-03	5.47e-04
41	81	-10.05	6.49	-0.07	-1.34e-03	-1.34e-03	-5.72e-04
41	84	12.13	-4.39	-0.23	1.11e-03	1.40e-03	6.76e-04
41	112	9.20	-5.75	-0.25	1.41e-03	1.27e-03	4.84e-04
41	113	-8.88	5.76	-0.08	-1.17e-03	-1.19e-03	-5.09e-04
41	116	22.60	-8.00	-0.29	1.92e-03	2.56e-03	1.24e-03
41	144	16.94	-10.47	-0.32	2.47e-03	2.30e-03	8.59e-04
41	145	-16.62	10.48	-0.02	-2.23e-03	-2.22e-03	-8.84e-04
42	1	0.0	0.0	0.0	0.0	0.0	0.0
42	9	0.0	0.0	0.0	0.0	0.0	0.0
42	13	0.0	0.0	0.0	0.0	0.0	0.0
42	17	0.0	0.0	0.0	0.0	0.0	0.0
42	19	0.0	0.0	0.0	0.0	0.0	0.0
42	51	0.0	0.0	0.0	0.0	0.0	0.0
42	83	0.0	0.0	0.0	0.0	0.0	0.0
42	115	0.0	0.0	0.0	0.0	0.0	0.0
43	1	0.0	0.0	0.0	0.0	0.0	0.0
43	9	0.0	0.0	0.0	0.0	0.0	0.0
43	13	0.0	0.0	0.0	0.0	0.0	0.0
43	17	0.0	0.0	0.0	0.0	0.0	0.0
43	19	0.0	0.0	0.0	0.0	0.0	0.0
43	51	0.0	0.0	0.0	0.0	0.0	0.0
43	83	0.0	0.0	0.0	0.0	0.0	0.0
43	115	0.0	0.0	0.0	0.0	0.0	0.0
44	2	1.21	-0.52	-0.43	-7.16e-04	-1.94e-03	-2.53e-03
44	10	0.83	-0.36	-0.31	-4.89e-04	-1.34e-03	-1.75e-03
44	14	0.54	-0.19	-0.28	-3.92e-04	-8.29e-04	-1.13e-03
44	18	0.42	-0.15	-0.27	-3.53e-04	-6.25e-04	-8.70e-04
44	19	4.73	-2.64	-0.36	-3.75e-04	-9.94e-04	-6.31e-05
44	28	9.68	-7.41	-0.33	-4.25e-04	-1.44e-03	-2.08e-03
44	40	8.91	-8.98	-0.24	-4.20e-04	-1.41e-03	-5.02e-04
44	51	3.57	-2.02	-0.34	-3.69e-04	-8.96e-04	-2.38e-04
44	60	7.26	-5.65	-0.31	-4.07e-04	-1.23e-03	-1.81e-03
44	72	6.75	-6.83	-0.25	-4.03e-04	-1.21e-03	-6.00e-04
44	83	3.20	-1.81	-0.33	-3.68e-04	-8.65e-04	-3.08e-04
44	92	6.48	-5.03	-0.31	-4.01e-04	-1.16e-03	-1.71e-03
44	104	6.03	-6.08	-0.25	-3.98e-04	-1.15e-03	-6.31e-04
44	115	5.62	-3.15	-0.38	-3.79e-04	-1.07e-03	7.46e-05
44	124	11.62	-8.88	-0.34	-4.40e-04	-1.61e-03	-2.29e-03
44	136	10.68	-10.80	-0.24	-4.34e-04	-1.57e-03	-4.13e-04
45	2	1.40	-1.25	-0.33	1.52e-04	-3.96e-04	0.0
45	6	0.91	-1.53	-0.28	1.86e-04	-3.41e-04	0.0
45	10	0.97	-0.84	-0.24	1.03e-04	-2.72e-04	0.0
45	12	0.64	-1.03	-0.20	1.26e-04	-2.36e-04	0.0
45	14	0.73	-0.29	-0.18	3.38e-05	-1.54e-04	0.0
45	16	0.52	-0.37	-0.16	4.33e-05	-1.27e-04	0.0
45	18	0.57	-0.23	-0.16	2.64e-05	-1.18e-04	0.0
45	28	20.14	-17.19	-0.14	1.72e-03	3.07e-03	0.0
45	29	-19.00	16.73	-0.17	-1.67e-03	-3.30e-03	0.0
45	44	15.85	-20.44	-0.15	-2.70e-04	2.45e-03	0.0
45	60	14.91	-12.81	-0.15	1.30e-03	2.23e-03	0.0
45	61	-13.77	12.35	-0.16	-1.25e-03	-2.47e-03	0.0
45	76	11.77	-15.32	-0.15	-1.87e-04	1.77e-03	0.0
45	92	13.26	-11.37	-0.15	1.16e-03	1.96e-03	0.0
45	93	-12.11	10.92	-0.16	-1.10e-03	-2.20e-03	0.0
45	108	10.47	-13.61	-0.15	-1.62e-04	1.55e-03	0.0
45	124	24.26	-20.74	-0.14	2.02e-03	3.73e-03	0.0
45	125	-23.12	20.29	-0.17	-1.97e-03	-3.96e-03	0.0
45	140	19.04	-24.66	-0.14	-3.49e-04	2.99e-03	0.0
46	2	0.14	0.06	-1.36	-5.79e-04	-1.54e-04	-9.01e-04
46	10	0.09	0.04	-0.94	-3.98e-04	-1.05e-04	-6.23e-04
46	14	0.07	0.06	-0.62	-3.09e-04	-4.34e-05	-4.04e-04
46	18	0.06	0.06	-0.48	-2.73e-04	-1.92e-05	-3.21e-04
46	28	3.56	-18.68	-1.40	8.50e-03	-8.87e-05	-9.54e-04
46	41	-3.10	34.95	0.36	-0.02	5.15e-05	-0.01
46	60	2.64	-14.80	-1.16	6.67e-03	-7.15e-05	-5.84e-04
46	73	-2.29	28.21	0.15	-0.01	3.41e-05	-0.01
46	92	2.35	-13.22	-1.08	5.93e-03	-6.56e-05	-5.41e-04
46	105	-2.02	25.21	0.08	-0.01	2.81e-05	-0.01

46	124	4.30	-22.12	-1.59	0.01	-1.03e-04	-1.25e-03
46	137	-3.76	40.94	0.54	-0.02	6.61e-05	-0.02
47	2	0.14	-0.31	-0.14	9.86e-05	8.10e-05	-2.28e-06
47	6	0.11	-0.40	-0.16	1.37e-04	6.56e-05	1.25e-06
47	10	0.10	-0.21	-0.10	6.62e-05	5.57e-05	-1.62e-06
47	12	0.08	-0.27	-0.11	9.20e-05	4.55e-05	0.0
47	14	0.06	-0.06	-0.06	1.27e-05	3.55e-05	-2.48e-06
47	16	0.05	-0.09	-0.07	2.49e-05	2.85e-05	-1.16e-06
47	18	0.05	-0.05	-0.06	9.61e-06	2.80e-05	-1.92e-06
47	20	5.01	-2.25	0.25	9.57e-04	2.52e-03	1.37e-03
47	48	3.89	-2.91	-0.53	1.25e-03	1.99e-03	-6.61e-04
47	50	1.82	-1.91	-0.83	8.31e-04	9.34e-04	-1.24e-03
47	52	3.65	-1.69	0.16	7.19e-04	1.84e-03	9.84e-04
47	80	2.86	-2.19	-0.41	9.39e-04	1.47e-03	-4.91e-04
47	82	1.35	-1.45	-0.63	6.28e-04	6.94e-04	-9.17e-04
47	84	3.23	-1.50	0.14	6.38e-04	1.63e-03	8.68e-04
47	112	2.53	-1.94	-0.37	8.34e-04	1.30e-03	-4.35e-04
47	114	1.20	-1.29	-0.56	5.58e-04	6.17e-04	-8.12e-04
47	116	6.04	-2.71	0.31	1.15e-03	3.03e-03	1.65e-03
47	144	4.69	-3.51	-0.63	1.51e-03	2.41e-03	-7.92e-04
47	146	2.18	-2.31	-0.99	1.00e-03	1.12e-03	-1.49e-03
48	2	-0.53	-0.15	-0.20	-1.88e-04	4.92e-04	6.88e-04
48	6	-0.41	-0.18	-0.17	-1.55e-04	3.85e-04	5.36e-04
48	10	-0.37	-0.10	-0.14	-1.34e-04	3.41e-04	4.76e-04
48	12	-0.29	-0.12	-0.12	-1.12e-04	2.69e-04	3.75e-04
48	14	-0.23	-0.04	-0.11	-9.55e-05	2.22e-04	3.09e-04
48	16	-0.18	-0.04	-0.10	-8.08e-05	1.74e-04	2.42e-04
48	18	-0.18	-0.03	-0.10	-8.06e-05	1.75e-04	2.43e-04
48	28	2.63	3.89	-0.14	1.39e-04	1.05e-03	1.86e-03
48	29	-2.99	-3.95	-0.05	-3.00e-04	-6.97e-04	-1.38e-03
48	38	1.10	-9.62	-0.12	6.71e-06	5.79e-04	9.97e-04
48	60	1.89	2.84	-0.13	8.14e-05	8.17e-04	1.44e-03
48	61	-2.25	-2.90	-0.06	-2.43e-04	-4.68e-04	-9.54e-04
48	70	0.78	-7.05	-0.11	-1.56e-05	4.79e-04	8.10e-04
48	92	1.66	2.51	-0.13	6.28e-05	7.43e-04	1.30e-03
48	93	-2.01	-2.57	-0.07	-2.24e-04	-3.94e-04	-8.17e-04
48	102	0.67	-6.23	-0.11	-2.30e-05	4.45e-04	7.46e-04
48	124	3.22	4.67	-0.15	1.84e-04	1.23e-03	2.20e-03
48	125	-3.58	-4.72	-0.04	-3.45e-04	-8.79e-04	-1.72e-03
48	134	1.36	-11.59	-0.12	2.51e-05	6.63e-04	1.15e-03
49	2	0.21	-1.89	-0.14	1.36e-03	8.11e-05	0.0
49	6	0.23	-3.05	-0.13	1.34e-03	8.76e-05	0.0
49	10	0.14	-1.26	-0.10	9.32e-04	5.57e-05	0.0
49	12	0.16	-2.03	-0.09	9.18e-04	6.00e-05	0.0
49	14	0.07	-0.10	-0.08	4.71e-04	2.70e-05	0.0
49	16	0.07	-0.48	-0.08	4.39e-04	2.80e-05	0.0
49	18	0.06	-0.10	-0.07	3.70e-04	2.23e-05	0.0
49	24	3.80	-3.59	-0.10	1.32e-03	1.36e-03	0.0
49	48	3.19	-8.47	-0.10	2.46e-03	1.17e-03	0.0
49	56	2.83	-2.86	-0.09	1.13e-03	1.02e-03	0.0
49	80	2.42	-6.88	-0.10	2.09e-03	8.87e-04	0.0
49	88	2.52	-2.55	-0.09	1.04e-03	9.03e-04	0.0
49	112	2.15	-6.13	-0.10	1.90e-03	7.90e-04	0.0
49	120	4.56	-4.11	-0.10	1.46e-03	1.63e-03	0.0
49	144	3.82	-9.57	-0.11	2.72e-03	1.40e-03	0.0
50	2	1.08	-1.96	-0.21	-2.12e-03	1.50e-04	0.0
50	6	1.16	-2.53	-0.20	-1.81e-03	1.60e-04	0.0
50	10	0.75	-1.32	-0.15	-1.46e-03	1.05e-04	0.0
50	12	0.80	-1.71	-0.14	-1.25e-03	1.11e-04	0.0
50	14	0.39	-0.38	-0.13	-8.67e-04	5.74e-05	0.0
50	16	0.40	-0.55	-0.12	-7.16e-04	5.87e-05	0.0
50	18	0.33	-0.30	-0.12	-6.77e-04	4.95e-05	0.0
50	24	15.22	-15.95	-0.14	3.77e-03	1.75e-03	0.0
50	48	13.53	-20.11	-0.15	5.79e-03	1.62e-03	0.0
50	56	11.41	-11.94	-0.14	2.71e-03	1.31e-03	0.0
50	80	10.28	-15.03	-0.15	4.37e-03	1.23e-03	0.0
50	88	10.14	-10.61	-0.14	2.33e-03	1.17e-03	0.0
50	112	9.16	-13.36	-0.14	3.81e-03	1.10e-03	0.0
50	120	18.26	-19.21	-0.15	4.62e-03	2.09e-03	0.0
50	144	16.21	-24.26	-0.16	6.91e-03	1.94e-03	0.0
51	2	0.21	-0.48	-1.21	7.14e-04	-1.07e-04	4.39e-04
51	5	0.16	-1.09	-0.83	4.47e-04	-5.44e-05	9.08e-04
51	6	0.23	-0.97	-1.16	7.18e-04	-1.00e-04	8.33e-04
51	10	0.14	-0.32	-0.84	4.89e-04	-7.18e-05	2.89e-04
51	11	0.11	-0.72	-0.58	3.11e-04	-3.68e-05	6.02e-04

51	12	0.16	-0.64	-0.80	4.91e-04	-6.73e-05	5.52e-04
51	14	0.07	0.07	-0.59	2.40e-04	-3.73e-05	-3.84e-05
51	15	0.05	-0.13	-0.46	1.51e-04	-1.98e-05	1.18e-04
51	16	0.07	-0.10	-0.56	2.29e-04	-3.29e-05	9.67e-05
51	18	0.06	0.05	-0.53	1.89e-04	-2.86e-05	-2.42e-05
51	24	3.80	-2.66	-1.11	1.01e-03	-9.91e-05	3.23e-04
51	48	3.19	-4.04	-1.38	1.58e-03	-1.37e-04	2.64e-03
51	49	-3.08	4.14	0.32	-1.20e-03	7.99e-05	-2.69e-03
51	56	2.84	-2.00	-0.97	8.16e-04	-8.24e-05	2.87e-04
51	80	2.42	-3.13	-1.18	1.28e-03	-1.13e-04	2.16e-03
51	81	-2.31	3.22	0.13	-9.04e-04	5.56e-05	-2.21e-03
51	88	2.52	-1.77	-0.92	7.46e-04	-7.64e-05	2.53e-04
51	112	2.15	-2.77	-1.11	1.16e-03	-1.03e-04	1.92e-03
51	113	-2.04	2.87	0.05	-7.82e-04	4.61e-05	-1.97e-03
51	120	4.56	-3.18	-1.23	1.16e-03	-1.13e-04	3.30e-04
51	144	3.82	-4.76	-1.53	1.80e-03	-1.56e-04	2.96e-03
51	145	-3.71	4.85	0.48	-1.42e-03	9.91e-05	-3.01e-03
52	2	0.21	-0.36	-0.24	1.52e-04	6.39e-05	1.82e-05
52	6	0.23	-0.49	-0.23	1.78e-04	7.03e-05	4.13e-05
52	10	0.14	-0.24	-0.17	1.04e-04	4.31e-05	1.17e-05
52	12	0.16	-0.33	-0.17	1.21e-04	4.73e-05	2.71e-05
52	14	0.07	-0.06	-0.16	3.99e-05	2.03e-05	-4.24e-06
52	16	0.07	-0.10	-0.15	4.64e-05	2.16e-05	3.84e-06
52	18	0.06	-0.05	-0.15	3.18e-05	1.69e-05	-2.73e-06
52	24	3.80	-3.36	-0.11	1.04e-03	1.13e-03	-1.17e-03
52	46	1.61	-2.77	-0.22	8.67e-04	5.04e-04	-6.89e-04
52	48	3.19	-4.16	-0.19	1.29e-03	9.74e-04	-1.22e-03
52	56	2.84	-2.52	-0.12	7.86e-04	8.43e-04	-8.86e-04
52	78	1.24	-2.09	-0.20	6.59e-04	3.88e-04	-5.26e-04
52	80	2.42	-3.13	-0.18	9.73e-04	7.39e-04	-9.27e-04
52	88	2.52	-2.24	-0.13	7.01e-04	7.49e-04	-7.87e-04
52	110	1.11	-1.86	-0.20	5.88e-04	3.47e-04	-4.68e-04
52	112	2.15	-2.78	-0.18	8.66e-04	6.57e-04	-8.23e-04
52	120	4.56	-4.05	-0.11	1.25e-03	1.35e-03	-1.40e-03
52	142	1.93	-3.34	-0.23	1.04e-03	6.03e-04	-8.26e-04
52	144	3.82	-5.03	-0.20	1.55e-03	1.17e-03	-1.46e-03
53	2	0.57	-6.82	-0.19	2.04e-04	1.23e-04	0.0
53	6	0.62	-6.88	-0.18	1.05e-05	1.32e-04	0.0
53	10	0.39	-4.67	-0.13	1.45e-04	8.57e-05	0.0
53	12	0.42	-4.70	-0.13	1.64e-05	9.13e-05	0.0
53	14	0.19	-2.28	-0.11	1.58e-04	4.55e-05	0.0
53	16	0.20	-2.18	-0.11	8.39e-05	4.66e-05	0.0
53	18	0.16	-1.79	-0.11	1.20e-04	3.88e-05	0.0
53	24	9.11	-8.09	-0.13	2.17e-03	1.61e-03	0.0
53	48	7.90	-14.45	-0.14	2.90e-03	1.46e-03	0.0
53	56	6.81	-6.67	-0.12	1.67e-03	1.21e-03	0.0
53	80	6.00	-11.92	-0.13	2.24e-03	1.11e-03	0.0
53	88	6.06	-6.12	-0.12	1.49e-03	1.07e-03	0.0
53	112	5.34	-10.79	-0.13	2.00e-03	9.92e-04	0.0
53	120	10.93	-9.14	-0.13	2.58e-03	1.93e-03	0.0
53	144	9.47	-16.27	-0.15	3.42e-03	1.75e-03	0.0
54	2	0.21	-0.35	-0.35	1.95e-04	-1.09e-03	-4.92e-05
54	6	0.23	-0.51	-0.34	2.19e-04	-1.04e-03	1.60e-04
54	10	0.14	-0.24	-0.25	1.34e-04	-7.45e-04	-4.05e-05
54	12	0.16	-0.34	-0.24	1.50e-04	-7.10e-04	9.90e-05
54	14	0.07	-0.05	-0.21	5.53e-05	-4.99e-04	-1.16e-04
54	16	0.07	-0.10	-0.20	6.04e-05	-4.66e-04	-3.93e-05
54	18	0.06	-0.04	-0.19	4.38e-05	-4.36e-04	-8.79e-05
54	24	3.80	-3.27	-0.15	1.03e-03	-1.01e-03	-1.72e-04
54	46	1.61	-2.70	-0.34	8.60e-04	-1.07e-03	1.88e-03
54	48	3.19	-4.06	-0.29	1.27e-03	-1.29e-03	1.51e-03
54	56	2.84	-2.45	-0.16	7.78e-04	-8.73e-04	-1.22e-04
54	78	1.24	-2.04	-0.31	6.57e-04	-9.35e-04	1.49e-03
54	80	2.42	-3.04	-0.27	9.62e-04	-1.10e-03	1.21e-03
54	88	2.52	-2.17	-0.17	6.95e-04	-8.24e-04	-1.17e-04
54	110	1.11	-1.81	-0.29	5.88e-04	-8.79e-04	1.31e-03
54	112	2.15	-2.70	-0.26	8.58e-04	-1.03e-03	1.07e-03
54	120	4.56	-3.94	-0.14	1.23e-03	-1.13e-03	-2.24e-04
54	142	1.93	-3.26	-0.37	1.03e-03	-1.18e-03	2.17e-03
54	144	3.82	-4.90	-0.31	1.53e-03	-1.45e-03	1.72e-03
55	2	0.57	-4.73	-1.00	2.02e-04	-7.09e-06	2.07e-03
55	6	0.62	-4.61	-0.91	1.27e-04	-1.41e-06	2.00e-03
55	10	0.39	-3.24	-0.69	1.40e-04	-2.06e-06	1.42e-03
55	12	0.42	-3.16	-0.63	9.00e-05	1.74e-06	1.37e-03
55	14	0.19	-1.65	-0.58	1.01e-04	5.19e-06	7.41e-04

55	16	0.20	-1.52	-0.54	7.00e-05	7.76e-06	6.76e-04
55	18	0.16	-1.29	-0.54	7.71e-05	7.91e-06	5.82e-04
55	24	9.11	-7.13	-0.49	1.64e-03	-9.60e-06	5.37e-04
55	48	7.90	-9.79	-0.63	2.09e-03	1.62e-05	4.34e-03
55	50	4.62	-7.41	-0.68	1.43e-03	2.74e-05	5.16e-03
55	56	6.81	-5.70	-0.51	1.25e-03	-4.77e-06	6.12e-04
55	80	6.00	-7.84	-0.61	1.60e-03	1.40e-05	3.65e-03
55	82	3.54	-6.08	-0.64	1.11e-03	2.22e-05	4.27e-03
55	88	6.05	-5.20	-0.51	1.12e-03	-3.29e-06	6.10e-04
55	112	5.34	-7.10	-0.60	1.43e-03	1.33e-05	3.31e-03
55	114	3.16	-5.55	-0.63	9.95e-04	2.05e-05	3.86e-03
55	120	10.93	-8.27	-0.49	1.96e-03	-1.31e-05	4.43e-04
55	144	9.47	-11.34	-0.65	2.50e-03	1.79e-05	4.83e-03
55	146	5.55	-8.46	-0.70	1.70e-03	3.13e-05	5.82e-03
56	2	0.57	-1.48	-0.45	2.01e-04	-7.45e-04	3.18e-03
56	6	0.62	-1.67	-0.43	2.20e-04	-6.55e-04	2.79e-03
56	10	0.39	-1.00	-0.32	1.36e-04	-5.09e-04	2.18e-03
56	12	0.42	-1.13	-0.31	1.49e-04	-4.49e-04	1.92e-03
56	14	0.19	-0.40	-0.29	5.57e-05	-4.03e-04	1.26e-03
56	16	0.20	-0.44	-0.28	5.89e-05	-3.63e-04	1.06e-03
56	18	0.16	-0.32	-0.28	4.28e-05	-3.62e-04	9.84e-04
56	24	9.11	-8.23	-0.22	1.26e-03	-4.15e-04	-2.16e-03
56	26	-5.12	2.66	-0.37	-4.07e-04	-3.49e-04	1.51e-03
56	48	7.90	-10.21	-0.33	1.57e-03	-4.41e-04	-3.93e-03
56	56	6.81	-6.23	-0.24	9.56e-04	-4.02e-04	-1.45e-03
56	78	3.19	-5.27	-0.35	8.17e-04	-4.07e-04	-2.09e-03
56	80	6.00	-7.73	-0.32	1.19e-03	-4.23e-04	-2.92e-03
56	88	6.05	-5.56	-0.24	8.53e-04	-3.98e-04	-1.18e-03
56	110	2.85	-4.71	-0.34	7.30e-04	-4.02e-04	-1.75e-03
56	112	5.34	-6.89	-0.31	1.06e-03	-4.16e-04	-2.49e-03
56	120	10.93	-9.87	-0.21	1.51e-03	-4.26e-04	-2.74e-03
56	122	-6.20	3.27	-0.39	-5.00e-04	-3.46e-04	1.69e-03
56	144	9.46	-12.28	-0.34	1.90e-03	-4.55e-04	-4.72e-03
57	2	1.04	-1.95	-0.32	-1.02e-03	1.23e-04	0.0
57	6	0.86	-2.53	-0.26	-1.14e-03	9.92e-05	0.0
57	10	0.72	-1.32	-0.23	-6.92e-04	8.47e-05	0.0
57	12	0.60	-1.71	-0.19	-7.76e-04	6.89e-05	0.0
57	14	0.46	-0.38	-0.18	-2.83e-04	5.48e-05	0.0
57	16	0.37	-0.55	-0.15	-3.11e-04	4.41e-05	0.0
57	18	0.36	-0.30	-0.15	-2.24e-04	4.35e-05	0.0
57	20	20.73	-14.92	-0.14	3.53e-03	-6.42e-04	0.0
57	48	18.20	-20.11	-0.13	5.51e-03	8.24e-04	0.0
57	49	-17.47	19.50	-0.17	-5.96e-03	-7.37e-04	0.0
57	52	15.33	-11.17	-0.14	2.59e-03	-4.45e-04	0.0
57	80	13.57	-15.03	-0.14	4.20e-03	6.58e-04	0.0
57	81	-12.84	14.43	-0.17	-4.64e-03	-5.71e-04	0.0
57	84	13.60	-9.93	-0.14	2.27e-03	-3.87e-04	0.0
57	112	12.06	-13.36	-0.14	3.70e-03	5.90e-04	0.0
57	113	-11.33	12.75	-0.17	-4.15e-03	-5.04e-04	0.0
57	116	24.93	-17.96	-0.14	4.30e-03	-7.86e-04	0.0
57	144	21.93	-24.26	-0.13	6.56e-03	9.59e-04	0.0
57	145	-21.20	23.65	-0.18	-7.01e-03	-8.72e-04	0.0
58	1	0.29	-1.38	-0.05	-7.37e-04	2.64e-05	0.0
58	2	1.11	-1.96	-0.04	-1.03e-03	1.20e-04	0.0
58	6	0.85	-2.53	-0.04	-1.35e-03	8.76e-05	0.0
58	9	0.22	-0.94	-0.04	-5.00e-04	1.99e-05	0.0
58	10	0.76	-1.32	-0.03	-6.96e-04	8.25e-05	0.0
58	12	0.59	-1.71	-0.04	-9.09e-04	6.07e-05	0.0
58	13	0.23	-0.19	-0.04	-9.15e-05	2.45e-05	0.0
58	14	0.50	-0.38	-0.04	-1.89e-04	5.58e-05	0.0
58	16	0.39	-0.55	-0.04	-2.86e-04	4.17e-05	0.0
58	17	0.23	-0.19	-0.04	-9.15e-05	2.45e-05	0.0
58	18	0.39	-0.30	-0.04	-1.50e-04	4.33e-05	0.0
58	28	19.86	-16.17	-0.03	3.59e-03	1.39e-03	0.0
58	48	17.85	-20.11	-0.02	5.12e-03	1.36e-03	0.0
58	49	-17.06	19.50	-0.06	-5.42e-03	-1.28e-03	0.0
58	60	14.73	-11.98	-0.03	2.62e-03	1.06e-03	0.0
58	80	13.29	-15.03	-0.03	3.88e-03	1.04e-03	0.0
58	81	-12.50	14.43	-0.05	-4.18e-03	-9.58e-04	0.0
58	92	13.08	-10.64	-0.03	2.31e-03	9.45e-04	0.0
58	112	11.81	-13.36	-0.03	3.43e-03	9.32e-04	0.0
58	113	-11.03	12.75	-0.05	-3.73e-03	-8.46e-04	0.0
58	124	23.94	-19.49	-0.03	4.37e-03	1.67e-03	0.0
58	144	21.51	-24.26	-0.02	6.11e-03	1.63e-03	0.0
58	145	-20.72	23.65	-0.06	-6.41e-03	-1.55e-03	0.0

59	2	1.11	-1.71	-0.29	1.10e-04	1.09e-04	-1.03e-04
59	6	0.85	-2.09	-0.34	1.11e-04	7.71e-05	-7.26e-05
59	10	0.76	-1.15	-0.21	7.43e-05	7.46e-05	-6.89e-05
59	12	0.59	-1.41	-0.23	7.52e-05	5.34e-05	-4.89e-05
59	14	0.50	-0.36	-0.14	3.18e-05	5.13e-05	-4.13e-05
59	16	0.39	-0.47	-0.16	3.01e-05	3.78e-05	-2.82e-05
59	18	0.39	-0.28	-0.14	2.32e-05	3.97e-05	-2.91e-05
59	28	19.84	-13.77	0.57	5.97e-04	1.36e-03	7.55e-04
59	48	17.82	-17.67	-1.09	7.54e-04	1.35e-03	-7.63e-04
59	50	8.56	-11.84	-1.70	5.10e-04	7.54e-04	-1.44e-03
59	60	14.71	-10.34	0.37	4.57e-04	1.04e-03	5.57e-04
59	80	13.27	-13.32	-0.85	5.76e-04	1.03e-03	-5.71e-04
59	82	6.46	-8.98	-1.30	3.91e-04	5.87e-04	-1.07e-03
59	92	13.07	-9.20	0.31	4.09e-04	9.25e-04	4.91e-04
59	112	11.79	-11.85	-0.77	5.14e-04	9.21e-04	-5.09e-04
59	114	5.77	-8.00	-1.16	3.50e-04	5.26e-04	-9.52e-04
59	124	23.91	-16.60	0.72	7.17e-04	1.64e-03	9.00e-04
59	144	21.48	-21.32	-1.29	9.07e-04	1.61e-03	-9.12e-04
59	146	10.27	-14.26	-2.03	6.12e-04	8.99e-04	-1.71e-03
60	2	1.04	-1.71	-0.40	-3.76e-05	1.19e-04	-1.01e-05
60	6	0.86	-2.10	-0.35	2.98e-06	9.81e-05	4.33e-05
60	10	0.72	-1.15	-0.28	-2.40e-05	8.20e-05	-5.67e-06
60	12	0.60	-1.41	-0.25	3.01e-06	6.79e-05	2.99e-05
60	14	0.46	-0.37	-0.23	-3.19e-05	5.13e-05	-1.95e-05
60	16	0.37	-0.47	-0.21	-1.66e-05	4.15e-05	0.0
60	18	0.36	-0.28	-0.20	-2.50e-05	4.04e-05	-1.11e-05
60	20	20.74	-13.64	-0.34	1.91e-03	-5.77e-04	6.41e-04
60	48	18.21	-17.71	-0.38	2.41e-03	1.27e-03	5.27e-04
60	52	15.34	-10.29	-0.31	1.43e-03	-4.07e-04	4.69e-04
60	80	13.58	-13.35	-0.34	1.80e-03	9.92e-04	3.87e-04
60	84	13.61	-9.16	-0.30	1.26e-03	-3.55e-04	4.14e-04
60	112	12.07	-11.87	-0.32	1.59e-03	8.87e-04	3.41e-04
60	116	24.95	-16.42	-0.37	2.31e-03	-7.04e-04	7.71e-04
60	144	21.94	-21.37	-0.42	2.92e-03	1.49e-03	6.33e-04
61	2	1.08	-1.71	-0.45	6.97e-05	1.37e-04	4.35e-05
61	6	1.16	-2.10	-0.44	1.09e-04	1.50e-04	9.49e-05
61	10	0.75	-1.15	-0.33	5.19e-05	8.94e-05	2.82e-05
61	12	0.80	-1.41	-0.32	7.81e-05	9.78e-05	6.26e-05
61	14	0.39	-0.37	-0.31	2.32e-05	2.49e-05	-7.26e-06
61	16	0.40	-0.47	-0.30	3.68e-05	2.64e-05	1.07e-05
61	18	0.33	-0.28	-0.30	2.54e-05	1.40e-05	-3.90e-06
61	24	15.21	-14.27	-0.24	1.98e-03	2.05e-03	-2.05e-03
61	26	-8.31	4.98	-0.41	-7.45e-04	-1.12e-03	9.48e-04
61	48	13.52	-17.77	-0.35	2.43e-03	1.95e-03	-2.41e-03
61	56	11.40	-10.76	-0.25	1.49e-03	1.53e-03	-1.55e-03
61	58	-6.02	3.64	-0.38	-5.51e-04	-8.21e-04	7.14e-04
61	80	10.28	-13.39	-0.34	1.82e-03	1.47e-03	-1.82e-03
61	88	10.14	-9.58	-0.26	1.33e-03	1.36e-03	-1.38e-03
61	90	-5.29	3.20	-0.37	-4.86e-04	-7.25e-04	6.34e-04
61	112	9.16	-11.91	-0.33	1.62e-03	1.31e-03	-1.62e-03
61	120	18.25	-17.19	-0.23	2.39e-03	2.46e-03	-2.46e-03
61	122	-10.06	6.06	-0.43	-9.03e-04	-1.35e-03	1.13e-03
61	144	16.20	-21.44	-0.36	2.93e-03	2.34e-03	-2.89e-03
62	1	0.0	0.0	0.0	0.0	0.0	0.0
62	9	0.0	0.0	0.0	0.0	0.0	0.0
62	13	0.0	0.0	0.0	0.0	0.0	0.0
62	17	0.0	0.0	0.0	0.0	0.0	0.0
62	19	0.0	0.0	0.0	0.0	0.0	0.0
62	51	0.0	0.0	0.0	0.0	0.0	0.0
62	83	0.0	0.0	0.0	0.0	0.0	0.0
62	115	0.0	0.0	0.0	0.0	0.0	0.0
63	1	0.0	0.0	0.0	0.0	0.0	0.0
63	9	0.0	0.0	0.0	0.0	0.0	0.0
63	13	0.0	0.0	0.0	0.0	0.0	0.0
63	17	0.0	0.0	0.0	0.0	0.0	0.0
63	19	0.0	0.0	0.0	0.0	0.0	0.0
63	51	0.0	0.0	0.0	0.0	0.0	0.0
63	83	0.0	0.0	0.0	0.0	0.0	0.0
63	115	0.0	0.0	0.0	0.0	0.0	0.0
64	1	0.0	0.0	0.0	0.0	0.0	0.0
64	9	0.0	0.0	0.0	0.0	0.0	0.0
64	13	0.0	0.0	0.0	0.0	0.0	0.0
64	17	0.0	0.0	0.0	0.0	0.0	0.0
64	19	0.0	0.0	0.0	0.0	0.0	0.0
64	51	0.0	0.0	0.0	0.0	0.0	0.0

64	83	0.0	0.0	0.0	0.0	0.0	0.0
64	115	0.0	0.0	0.0	0.0	0.0	0.0
65	1	0.0	0.0	0.0	0.0	0.0	0.0
65	9	0.0	0.0	0.0	0.0	0.0	0.0
65	13	0.0	0.0	0.0	0.0	0.0	0.0
65	17	0.0	0.0	0.0	0.0	0.0	0.0
65	19	0.0	0.0	0.0	0.0	0.0	0.0
65	51	0.0	0.0	0.0	0.0	0.0	0.0
65	83	0.0	0.0	0.0	0.0	0.0	0.0
65	115	0.0	0.0	0.0	0.0	0.0	0.0
66	1	0.0	0.0	0.0	0.0	0.0	0.0
66	9	0.0	0.0	0.0	0.0	0.0	0.0
66	13	0.0	0.0	0.0	0.0	0.0	0.0
66	17	0.0	0.0	0.0	0.0	0.0	0.0
66	19	0.0	0.0	0.0	0.0	0.0	0.0
66	51	0.0	0.0	0.0	0.0	0.0	0.0
66	83	0.0	0.0	0.0	0.0	0.0	0.0
66	115	0.0	0.0	0.0	0.0	0.0	0.0
67	1	0.0	0.0	0.0	0.0	0.0	0.0
67	9	0.0	0.0	0.0	0.0	0.0	0.0
67	13	0.0	0.0	0.0	0.0	0.0	0.0
67	17	0.0	0.0	0.0	0.0	0.0	0.0
67	19	0.0	0.0	0.0	0.0	0.0	0.0
67	51	0.0	0.0	0.0	0.0	0.0	0.0
67	83	0.0	0.0	0.0	0.0	0.0	0.0
67	115	0.0	0.0	0.0	0.0	0.0	0.0
68	1	0.0	0.0	0.0	0.0	0.0	0.0
68	9	0.0	0.0	0.0	0.0	0.0	0.0
68	13	0.0	0.0	0.0	0.0	0.0	0.0
68	17	0.0	0.0	0.0	0.0	0.0	0.0
68	19	0.0	0.0	0.0	0.0	0.0	0.0
68	51	0.0	0.0	0.0	0.0	0.0	0.0
68	83	0.0	0.0	0.0	0.0	0.0	0.0
68	115	0.0	0.0	0.0	0.0	0.0	0.0
69	2	1.31	-1.56	-2.42	1.82e-05	1.61e-05	2.89e-05
69	6	1.20	-1.80	-2.41	1.92e-05	1.64e-05	8.39e-05
69	10	0.91	-1.07	-1.85	1.24e-05	1.10e-05	1.84e-05
69	12	0.83	-1.22	-1.84	1.31e-05	1.12e-05	5.51e-05
69	14	0.53	-0.42	-1.85	5.67e-06	5.39e-06	-1.67e-05
69	16	0.47	-0.48	-1.84	5.71e-06	5.22e-06	2.72e-06
69	18	0.43	-0.34	-1.84	4.46e-06	4.28e-06	-1.25e-05
69	20	19.63	-17.36	-1.87	1.72e-04	1.78e-04	2.59e-04
69	43	-8.36	12.98	-1.89	-1.28e-04	-1.13e-04	-7.50e-04
69	44	18.30	-20.83	-1.82	2.08e-04	1.98e-04	9.59e-04
69	52	14.64	-13.11	-1.86	1.31e-04	1.35e-04	1.94e-04
69	55	8.60	-5.49	-1.88	5.55e-05	6.44e-05	9.21e-05
69	76	13.76	-15.76	-1.83	1.58e-04	1.50e-04	7.10e-04
69	84	13.01	-11.67	-1.86	1.17e-04	1.20e-04	1.71e-04
69	87	7.66	-4.90	-1.87	4.98e-05	5.76e-05	8.12e-05
69	108	12.24	-14.03	-1.83	1.41e-04	1.34e-04	6.27e-04
69	116	23.58	-20.87	-1.87	2.07e-04	2.14e-04	3.05e-04
69	139	-10.20	15.77	-1.89	-1.56e-04	-1.37e-04	-8.92e-04
69	140	22.00	-25.11	-1.82	2.50e-04	2.38e-04	1.14e-03
70	1	0.0	0.0	0.0	0.0	0.0	0.0
70	9	0.0	0.0	0.0	0.0	0.0	0.0
70	13	0.0	0.0	0.0	0.0	0.0	0.0
70	17	0.0	0.0	0.0	0.0	0.0	0.0
70	19	0.0	0.0	0.0	0.0	0.0	0.0
70	51	0.0	0.0	0.0	0.0	0.0	0.0
70	83	0.0	0.0	0.0	0.0	0.0	0.0
70	115	0.0	0.0	0.0	0.0	0.0	0.0
71	1	0.0	0.0	0.0	0.0	0.0	0.0
71	9	0.0	0.0	0.0	0.0	0.0	0.0
71	13	0.0	0.0	0.0	0.0	0.0	0.0
71	17	0.0	0.0	0.0	0.0	0.0	0.0
71	19	0.0	0.0	0.0	0.0	0.0	0.0
71	51	0.0	0.0	0.0	0.0	0.0	0.0
71	83	0.0	0.0	0.0	0.0	0.0	0.0
71	115	0.0	0.0	0.0	0.0	0.0	0.0
72	1	0.0	0.0	0.0	0.0	0.0	0.0
72	9	0.0	0.0	0.0	0.0	0.0	0.0
72	13	0.0	0.0	0.0	0.0	0.0	0.0
72	17	0.0	0.0	0.0	0.0	0.0	0.0
72	19	0.0	0.0	0.0	0.0	0.0	0.0
72	51	0.0	0.0	0.0	0.0	0.0	0.0

72	83	0.0	0.0	0.0	0.0	0.0	0.0
72	115	0.0	0.0	0.0	0.0	0.0	0.0
73	1	0.0	0.0	0.0	0.0	0.0	0.0
73	9	0.0	0.0	0.0	0.0	0.0	0.0
73	13	0.0	0.0	0.0	0.0	0.0	0.0
73	17	0.0	0.0	0.0	0.0	0.0	0.0
73	19	0.0	0.0	0.0	0.0	0.0	0.0
73	51	0.0	0.0	0.0	0.0	0.0	0.0
73	83	0.0	0.0	0.0	0.0	0.0	0.0
73	115	0.0	0.0	0.0	0.0	0.0	0.0
74	1	0.0	0.0	0.0	0.0	0.0	0.0
74	9	0.0	0.0	0.0	0.0	0.0	0.0
74	13	0.0	0.0	0.0	0.0	0.0	0.0
74	17	0.0	0.0	0.0	0.0	0.0	0.0
74	19	0.0	0.0	0.0	0.0	0.0	0.0
74	51	0.0	0.0	0.0	0.0	0.0	0.0
74	83	0.0	0.0	0.0	0.0	0.0	0.0
74	115	0.0	0.0	0.0	0.0	0.0	0.0
75	1	0.0	0.0	0.0	0.0	0.0	0.0
75	9	0.0	0.0	0.0	0.0	0.0	0.0
75	13	0.0	0.0	0.0	0.0	0.0	0.0
75	17	0.0	0.0	0.0	0.0	0.0	0.0
75	19	0.0	0.0	0.0	0.0	0.0	0.0
75	51	0.0	0.0	0.0	0.0	0.0	0.0
75	83	0.0	0.0	0.0	0.0	0.0	0.0
75	115	0.0	0.0	0.0	0.0	0.0	0.0
76	1	0.0	0.0	0.0	0.0	0.0	0.0
76	9	0.0	0.0	0.0	0.0	0.0	0.0
76	13	0.0	0.0	0.0	0.0	0.0	0.0
76	17	0.0	0.0	0.0	0.0	0.0	0.0
76	19	0.0	0.0	0.0	0.0	0.0	0.0
76	51	0.0	0.0	0.0	0.0	0.0	0.0
76	83	0.0	0.0	0.0	0.0	0.0	0.0
76	115	0.0	0.0	0.0	0.0	0.0	0.0
77	1	0.0	0.0	0.0	0.0	0.0	0.0
77	9	0.0	0.0	0.0	0.0	0.0	0.0
77	13	0.0	0.0	0.0	0.0	0.0	0.0
77	17	0.0	0.0	0.0	0.0	0.0	0.0
77	19	0.0	0.0	0.0	0.0	0.0	0.0
77	51	0.0	0.0	0.0	0.0	0.0	0.0
77	83	0.0	0.0	0.0	0.0	0.0	0.0
77	115	0.0	0.0	0.0	0.0	0.0	0.0
78	1	0.0	0.0	0.0	0.0	0.0	0.0
78	9	0.0	0.0	0.0	0.0	0.0	0.0
78	13	0.0	0.0	0.0	0.0	0.0	0.0
78	17	0.0	0.0	0.0	0.0	0.0	0.0
78	19	0.0	0.0	0.0	0.0	0.0	0.0
78	51	0.0	0.0	0.0	0.0	0.0	0.0
78	83	0.0	0.0	0.0	0.0	0.0	0.0
78	115	0.0	0.0	0.0	0.0	0.0	0.0
79	1	0.0	0.0	0.0	0.0	0.0	0.0
79	9	0.0	0.0	0.0	0.0	0.0	0.0
79	13	0.0	0.0	0.0	0.0	0.0	0.0
79	17	0.0	0.0	0.0	0.0	0.0	0.0
79	19	0.0	0.0	0.0	0.0	0.0	0.0
79	51	0.0	0.0	0.0	0.0	0.0	0.0
79	83	0.0	0.0	0.0	0.0	0.0	0.0
79	115	0.0	0.0	0.0	0.0	0.0	0.0
80	2	0.57	-0.97	-0.15	1.82e-04	4.02e-06	1.04e-04
80	6	0.62	-1.15	-0.15	2.14e-04	9.97e-06	1.37e-04
80	10	0.39	-0.66	-0.11	1.23e-04	1.06e-06	6.93e-05
80	12	0.42	-0.78	-0.11	1.44e-04	5.02e-06	9.19e-05
80	14	0.19	-0.23	-0.11	4.36e-05	-1.14e-05	2.00e-05
80	16	0.20	-0.28	-0.11	5.14e-05	-9.74e-06	3.05e-05
80	18	0.16	-0.18	-0.11	3.33e-05	-1.27e-05	1.68e-05
80	24	9.10	-12.24	-0.14	1.86e-03	6.59e-04	-2.55e-03
80	44	8.39	-14.78	-0.14	2.26e-03	6.17e-04	-2.75e-03
80	56	6.80	-9.25	-0.13	1.41e-03	4.87e-04	-1.93e-03
80	76	6.34	-11.17	-0.13	1.71e-03	4.60e-04	-2.09e-03
80	88	6.05	-8.22	-0.13	1.25e-03	4.30e-04	-1.71e-03
80	108	5.64	-9.93	-0.13	1.52e-03	4.07e-04	-1.85e-03
80	120	10.92	-14.71	-0.15	2.24e-03	7.96e-04	-3.04e-03
80	140	10.07	-17.81	-0.15	2.73e-03	7.46e-04	-3.30e-03
81	2	0.21	-0.35	-0.10	1.47e-04	1.35e-05	1.72e-05
81	6	0.23	-0.43	-0.10	1.73e-04	1.80e-05	4.71e-05

81	10	0.14	-0.24	-0.07	9.96e-05	8.45e-06	1.09e-05
81	12	0.16	-0.29	-0.07	1.17e-04	1.14e-05	3.08e-05
81	14	0.07	-0.08	-0.07	3.57e-05	-2.19e-06	-7.20e-06
81	16	0.07	-0.10	-0.07	4.25e-05	-1.04e-06	3.37e-06
81	18	0.06	-0.06	-0.07	2.79e-05	-3.50e-06	-4.73e-06
81	24	3.80	-5.25	-0.09	1.91e-03	6.11e-04	-1.33e-03
81	44	3.41	-6.28	-0.09	2.29e-03	5.58e-04	-1.42e-03
81	56	2.83	-3.97	-0.08	1.44e-03	4.53e-04	-1.01e-03
81	76	2.58	-4.75	-0.09	1.73e-03	4.18e-04	-1.08e-03
81	88	2.52	-3.53	-0.08	1.28e-03	4.01e-04	-8.96e-04
81	108	2.29	-4.22	-0.08	1.54e-03	3.71e-04	-9.59e-04
81	120	4.56	-6.31	-0.09	2.29e-03	7.36e-04	-1.58e-03
81	140	4.09	-7.57	-0.10	2.77e-03	6.73e-04	-1.69e-03
82	2	1.08	-1.61	-0.18	1.03e-04	-1.37e-04	7.08e-05
82	6	1.15	-1.91	-0.18	1.35e-04	-1.33e-04	1.26e-04
82	10	0.75	-1.09	-0.13	7.33e-05	-9.93e-05	4.45e-05
82	12	0.80	-1.29	-0.13	9.49e-05	-9.67e-05	8.10e-05
82	14	0.39	-0.38	-0.12	3.26e-05	-8.93e-05	-5.77e-06
82	16	0.40	-0.45	-0.12	4.29e-05	-8.72e-05	1.27e-05
82	18	0.33	-0.29	-0.12	3.08e-05	-8.63e-05	-4.84e-06
82	24	15.19	-18.25	-0.17	1.80e-03	-1.55e-04	-2.70e-03
82	44	14.25	-22.16	-0.17	2.20e-03	-1.68e-04	-2.97e-03
82	56	11.38	-13.79	-0.16	1.36e-03	-1.39e-04	-2.05e-03
82	76	10.79	-16.75	-0.16	1.67e-03	-1.48e-04	-2.25e-03
82	88	10.12	-12.27	-0.16	1.21e-03	-1.33e-04	-1.82e-03
82	108	9.61	-14.90	-0.16	1.48e-03	-1.41e-04	-2.00e-03
82	120	18.22	-21.97	-0.18	2.17e-03	-1.70e-04	-3.22e-03
82	140	17.11	-26.72	-0.18	2.66e-03	-1.85e-04	-3.55e-03
83	1	0.33	-0.47	-0.13	9.54e-05	3.13e-05	6.10e-05
83	6	0.62	-0.96	-0.13	1.94e-04	5.53e-05	1.01e-04
83	9	0.23	-0.32	-0.09	6.60e-05	2.25e-05	3.98e-05
83	12	0.42	-0.65	-0.09	1.32e-04	3.86e-05	6.68e-05
83	13	0.11	-0.09	-0.09	1.91e-05	1.29e-05	3.82e-06
83	16	0.20	-0.24	-0.09	4.96e-05	2.02e-05	1.71e-05
83	17	0.11	-0.09	-0.09	1.91e-05	1.29e-05	3.82e-06
83	18	0.16	-0.17	-0.09	3.40e-05	1.70e-05	5.10e-06
83	24	9.09	-15.34	-0.05	2.03e-03	6.78e-04	-1.17e-03
83	44	8.38	-18.00	-0.05	2.45e-03	6.45e-04	-1.18e-03
83	45	-8.06	17.66	-0.13	-2.39e-03	-6.11e-04	1.19e-03
83	56	6.80	-11.59	-0.06	1.54e-03	5.09e-04	-8.91e-04
83	76	6.34	-13.61	-0.06	1.86e-03	4.89e-04	-9.01e-04
83	77	-6.01	13.28	-0.12	-1.79e-03	-4.55e-04	9.11e-04
83	88	6.04	-10.30	-0.07	1.37e-03	4.53e-04	-7.92e-04
83	108	5.64	-12.10	-0.07	1.65e-03	4.36e-04	-8.00e-04
83	109	-5.32	11.77	-0.12	-1.59e-03	-4.02e-04	8.11e-04
83	120	10.91	-18.42	-0.05	2.44e-03	8.13e-04	-1.39e-03
83	140	10.06	-21.68	-0.05	2.96e-03	7.74e-04	-1.40e-03
83	141	-9.74	21.34	-0.14	-2.89e-03	-7.40e-04	1.41e-03
84	1	0.12	-0.17	-0.09	6.84e-05	2.31e-05	2.81e-05
84	6	0.23	-0.34	-0.08	1.41e-04	4.30e-05	4.36e-05
84	9	0.08	-0.12	-0.06	4.74e-05	1.63e-05	1.86e-05
84	12	0.16	-0.23	-0.06	9.57e-05	2.96e-05	2.89e-05
84	13	0.04	-0.03	-0.06	1.34e-05	8.21e-06	2.66e-06
84	16	0.07	-0.09	-0.06	3.57e-05	1.43e-05	7.84e-06
84	17	0.04	-0.03	-0.06	1.34e-05	8.21e-06	2.66e-06
84	18	0.05	-0.06	-0.06	2.44e-05	1.16e-05	2.53e-06
84	24	3.79	-6.95	-0.04	2.45e-03	6.32e-04	-6.81e-04
84	45	-3.30	7.91	-0.08	-2.81e-03	-5.60e-04	6.70e-04
84	48	3.18	-8.04	-0.04	2.86e-03	5.49e-04	-7.04e-04
84	56	2.83	-5.25	-0.05	1.85e-03	4.72e-04	-5.21e-04
84	77	-2.46	5.95	-0.08	-2.11e-03	-4.18e-04	5.14e-04
84	80	2.41	-6.08	-0.05	2.16e-03	4.17e-04	-5.39e-04
84	88	2.51	-4.67	-0.05	1.64e-03	4.20e-04	-4.63e-04
84	109	-2.18	5.28	-0.07	-1.87e-03	-3.69e-04	4.58e-04
84	112	2.15	-5.40	-0.05	1.92e-03	3.71e-04	-4.79e-04
84	120	4.55	-8.33	-0.04	2.94e-03	7.58e-04	-8.06e-04
84	141	-3.98	9.54	-0.09	-3.39e-03	-6.76e-04	7.93e-04
84	144	3.81	-9.67	-0.04	3.44e-03	6.57e-04	-8.32e-04
85	1	0.63	-0.83	-0.15	9.28e-05	1.95e-05	7.70e-05
85	6	1.15	-1.70	-0.15	1.61e-04	8.98e-06	1.34e-04
85	9	0.45	-0.58	-0.11	6.60e-05	1.54e-05	4.85e-05
85	12	0.80	-1.15	-0.10	1.12e-04	8.35e-06	8.67e-05
85	13	0.24	-0.17	-0.11	2.76e-05	2.02e-05	-5.62e-06
85	16	0.40	-0.43	-0.11	4.90e-05	1.70e-05	1.33e-05
85	17	0.24	-0.17	-0.11	2.76e-05	2.02e-05	-5.62e-06

85	18	0.33	-0.30	-0.11	3.63e-05	1.86e-05	-4.74e-06
85	24	15.17	-21.08	-0.05	1.65e-03	-2.50e-04	-1.15e-03
85	44	14.24	-25.17	-0.05	2.03e-03	-2.42e-04	-1.25e-03
85	45	-13.58	24.57	-0.16	-1.96e-03	2.80e-04	1.24e-03
85	56	11.36	-15.95	-0.06	1.25e-03	-1.82e-04	-8.77e-04
85	76	10.78	-19.05	-0.06	1.54e-03	-1.78e-04	-9.53e-04
85	77	-10.13	18.45	-0.15	-1.47e-03	2.15e-04	9.43e-04
85	88	10.11	-14.19	-0.07	1.12e-03	-1.59e-04	-7.80e-04
85	108	9.60	-16.94	-0.07	1.37e-03	-1.56e-04	-8.47e-04
85	109	-8.95	16.35	-0.14	-1.30e-03	1.93e-04	8.37e-04
85	120	18.19	-25.36	-0.04	1.99e-03	-3.04e-04	-1.37e-03
85	140	17.08	-30.33	-0.04	2.45e-03	-2.96e-04	-1.49e-03
85	141	-16.43	29.73	-0.17	-2.37e-03	3.33e-04	1.48e-03
86	1	0.33	-0.38	-0.15	8.28e-05	3.45e-05	4.65e-05
86	6	0.62	-0.82	-0.14	1.72e-04	5.90e-05	8.18e-05
86	9	0.23	-0.27	-0.10	5.82e-05	2.53e-05	3.01e-05
86	12	0.42	-0.56	-0.10	1.17e-04	4.17e-05	5.37e-05
86	13	0.11	-0.09	-0.10	2.09e-05	1.58e-05	0.0
86	16	0.20	-0.22	-0.10	4.80e-05	2.32e-05	1.08e-05
86	17	0.11	-0.09	-0.10	2.09e-05	1.58e-05	0.0
86	18	0.16	-0.16	-0.10	3.55e-05	2.01e-05	0.0
86	24	9.08	-15.22	3.79e-03	1.97e-03	6.61e-04	1.25e-03
86	25	-8.76	14.89	-0.21	-1.90e-03	-6.21e-04	-1.25e-03
86	40	7.46	-18.42	-0.02	2.44e-03	6.00e-04	5.14e-04
86	56	6.79	-11.51	-0.02	1.50e-03	4.99e-04	9.40e-04
86	57	-6.47	11.18	-0.18	-1.42e-03	-4.58e-04	-9.39e-04
86	72	5.64	-13.94	-0.04	1.85e-03	4.57e-04	3.91e-04
86	88	6.04	-10.23	-0.03	1.33e-03	4.44e-04	8.34e-04
86	89	-5.71	9.90	-0.17	-1.26e-03	-4.04e-04	-8.33e-04
86	104	5.02	-12.40	-0.05	1.65e-03	4.08e-04	3.48e-04
86	120	10.90	-18.27	0.03	2.37e-03	7.93e-04	1.50e-03
86	121	-10.58	17.94	-0.23	-2.30e-03	-7.53e-04	-1.50e-03
86	136	8.94	-22.15	-5.19e-03	2.94e-03	7.19e-04	6.17e-04
87	1	0.12	-0.13	-0.09	5.55e-05	1.85e-05	1.82e-05
87	6	0.23	-0.29	-0.09	1.20e-04	3.49e-05	3.00e-05
87	9	0.08	-0.09	-0.07	3.90e-05	1.34e-05	1.21e-05
87	12	0.16	-0.20	-0.07	8.19e-05	2.42e-05	1.99e-05
87	13	0.04	-0.03	-0.07	1.28e-05	6.93e-06	1.33e-06
87	16	0.07	-0.08	-0.07	3.24e-05	1.19e-05	5.20e-06
87	17	0.04	-0.03	-0.07	1.28e-05	6.93e-06	1.33e-06
87	18	0.05	-0.06	-0.07	2.37e-05	9.76e-06	1.63e-06
87	24	3.78	-6.96	-2.64e-03	2.44e-03	4.77e-04	6.74e-04
87	25	-3.67	6.84	-0.13	-2.39e-03	-4.58e-04	-6.71e-04
87	40	3.00	-8.34	-0.02	2.94e-03	4.12e-04	5.30e-04
87	56	2.82	-5.26	-0.02	1.84e-03	3.58e-04	5.11e-04
87	57	-2.71	5.14	-0.11	-1.79e-03	-3.38e-04	-5.08e-04
87	72	2.26	-6.31	-0.03	2.22e-03	3.13e-04	4.02e-04
87	88	2.51	-4.67	-0.02	1.64e-03	3.18e-04	4.54e-04
87	89	-2.40	4.56	-0.11	-1.59e-03	-2.99e-04	-4.51e-04
87	104	2.01	-5.61	-0.03	1.98e-03	2.79e-04	3.57e-04
87	120	4.54	-8.33	0.01	2.92e-03	5.73e-04	8.02e-04
87	121	-4.43	8.22	-0.14	-2.88e-03	-5.53e-04	-7.99e-04
87	136	3.59	-10.02	-8.15e-03	3.53e-03	4.95e-04	6.34e-04
88	1	0.63	-0.71	-0.17	9.60e-05	3.12e-05	7.29e-05
88	6	1.15	-1.48	-0.17	1.87e-04	7.49e-05	1.40e-04
88	9	0.45	-0.50	-0.12	6.75e-05	2.16e-05	4.63e-05
88	12	0.80	-1.01	-0.12	1.28e-04	5.07e-05	9.07e-05
88	13	0.24	-0.18	-0.12	2.71e-05	5.14e-06	-8.17e-06
88	16	0.40	-0.41	-0.12	5.51e-05	1.84e-05	1.34e-05
88	17	0.24	-0.18	-0.12	2.71e-05	5.14e-06	-8.17e-06
88	18	0.33	-0.31	-0.12	4.17e-05	1.29e-05	-4.71e-06
88	24	15.14	-20.79	0.01	1.54e-03	8.07e-04	1.40e-03
88	25	-14.48	20.18	-0.26	-1.46e-03	-7.81e-04	-1.41e-03
88	40	12.72	-25.41	-0.02	1.94e-03	7.40e-04	6.63e-04
88	56	11.34	-15.74	-0.02	1.18e-03	6.08e-04	1.05e-03
88	57	-10.69	15.13	-0.23	-1.09e-03	-5.82e-04	-1.06e-03
88	72	9.64	-19.26	-0.04	1.48e-03	5.60e-04	5.01e-04
88	88	10.09	-14.00	-0.03	1.05e-03	5.40e-04	9.27e-04
88	89	-9.43	13.39	-0.22	-9.65e-04	-5.15e-04	-9.36e-04
88	104	8.59	-17.13	-0.05	1.32e-03	4.99e-04	4.44e-04
88	120	18.16	-24.99	0.04	1.85e-03	9.67e-04	1.69e-03
88	121	-17.50	24.37	-0.29	-1.77e-03	-9.42e-04	-1.70e-03
88	136	15.24	-30.59	3.49e-03	2.33e-03	8.87e-04	7.98e-04
89	1	0.33	-0.32	-0.10	7.04e-05	4.17e-05	4.33e-05
89	6	0.62	-0.69	-0.07	1.44e-04	7.68e-05	9.24e-05

89	9	0.23	-0.23	-0.07	5.04e-05	3.03e-05	2.92e-05
89	12	0.42	-0.48	-0.05	9.93e-05	5.37e-05	6.19e-05
89	13	0.11	-0.09	-0.09	2.36e-05	1.68e-05	-2.50e-06
89	14	0.19	-0.21	-0.08	4.58e-05	2.70e-05	5.80e-06
89	16	0.20	-0.21	-0.08	4.58e-05	2.74e-05	1.30e-05
89	17	0.11	-0.09	-0.09	2.36e-05	1.68e-05	-2.50e-06
89	18	0.16	-0.16	-0.08	3.69e-05	2.29e-05	2.48e-06
89	24	9.07	-11.82	1.10	1.70e-03	8.96e-04	2.83e-03
89	25	-8.75	11.49	-1.26	-1.62e-03	-8.51e-04	-2.82e-03
89	40	7.45	-14.97	-0.50	2.15e-03	8.22e-04	3.13e-03
89	56	6.79	-8.95	0.79	1.29e-03	6.75e-04	2.13e-03
89	57	-6.46	8.62	-0.96	-1.22e-03	-6.29e-04	-2.12e-03
89	72	5.64	-11.35	-0.39	1.63e-03	6.25e-04	2.36e-03
89	88	6.03	-7.97	0.69	1.15e-03	6.01e-04	1.89e-03
89	89	-5.71	7.64	-0.85	-1.08e-03	-5.56e-04	-1.89e-03
89	104	5.02	-10.10	-0.35	1.45e-03	5.58e-04	2.09e-03
89	120	10.89	-14.19	1.33	2.04e-03	1.08e-03	3.39e-03
89	121	-10.57	13.86	-1.50	-1.97e-03	-1.03e-03	-3.38e-03
89	136	8.93	-18.01	-0.58	2.58e-03	9.86e-04	3.76e-03
90	1	0.12	-0.11	-0.07	4.52e-05	3.12e-05	1.27e-05
90	6	0.23	-0.25	-0.05	1.01e-04	5.77e-05	2.81e-05
90	9	0.08	-0.08	-0.05	3.22e-05	2.23e-05	8.70e-06
90	12	0.15	-0.17	-0.04	6.93e-05	4.00e-05	1.89e-05
90	13	0.04	-0.03	-0.06	1.30e-05	1.19e-05	-1.78e-06
90	14	0.07	-0.07	-0.05	3.03e-05	1.95e-05	0.0
90	16	0.07	-0.07	-0.05	2.98e-05	1.99e-05	3.11e-06
90	17	0.04	-0.03	-0.06	1.30e-05	1.19e-05	-1.78e-06
90	18	0.05	-0.06	-0.06	2.34e-05	1.65e-05	0.0
90	24	3.77	-5.19	0.80	1.86e-03	7.65e-04	1.42e-03
90	25	-3.66	5.08	-0.91	-1.81e-03	-7.32e-04	-1.42e-03
90	40	2.99	-6.58	-0.35	2.35e-03	6.71e-04	1.57e-03
90	56	2.81	-3.93	0.57	1.41e-03	5.75e-04	1.07e-03
90	57	-2.70	3.82	-0.69	-1.36e-03	-5.42e-04	-1.07e-03
90	72	2.26	-4.99	-0.28	1.78e-03	5.10e-04	1.18e-03
90	88	2.50	-3.50	0.50	1.25e-03	5.11e-04	9.50e-04
90	89	-2.39	3.39	-0.61	-1.20e-03	-4.78e-04	-9.51e-04
90	104	2.01	-4.44	-0.25	1.59e-03	4.54e-04	1.05e-03
90	120	4.53	-6.23	0.97	2.23e-03	9.19e-04	1.69e-03
90	121	-4.42	6.12	-1.08	-2.18e-03	-8.86e-04	-1.69e-03
90	136	3.58	-7.91	-0.42	2.83e-03	8.06e-04	1.88e-03
91	1	0.63	-0.60	-0.12	1.03e-04	2.58e-05	6.75e-05
91	6	1.15	-1.25	-0.08	2.06e-04	2.25e-05	1.48e-04
91	9	0.45	-0.43	-0.08	7.27e-05	1.96e-05	4.38e-05
91	12	0.79	-0.86	-0.06	1.41e-04	1.73e-05	9.77e-05
91	13	0.24	-0.19	-0.10	3.29e-05	2.20e-05	-1.14e-05
91	14	0.39	-0.39	-0.09	6.31e-05	2.15e-05	0.0
91	16	0.40	-0.39	-0.09	6.43e-05	2.09e-05	1.44e-05
91	17	0.24	-0.19	-0.10	3.29e-05	2.20e-05	-1.14e-05
91	18	0.33	-0.31	-0.09	5.10e-05	2.17e-05	-4.02e-06
91	24	15.09	-17.11	1.16	1.79e-03	-1.83e-04	3.18e-03
91	25	-14.44	16.49	-1.35	-1.69e-03	2.27e-04	-3.18e-03
91	40	12.69	-21.62	-0.53	2.24e-03	1.69e-04	3.52e-03
91	56	11.31	-12.98	0.83	1.36e-03	-1.28e-04	2.39e-03
91	57	-10.66	12.36	-1.02	-1.26e-03	1.71e-04	-2.40e-03
91	72	9.62	-16.41	-0.42	1.71e-03	1.30e-04	2.65e-03
91	88	10.06	-11.56	0.73	1.21e-03	-1.11e-04	2.12e-03
91	89	-9.41	10.93	-0.92	-1.11e-03	1.54e-04	-2.13e-03
91	104	8.57	-14.61	-0.38	1.52e-03	1.18e-04	2.35e-03
91	120	18.11	-20.56	1.41	2.15e-03	-2.24e-04	3.82e-03
91	121	-17.45	19.94	-1.60	-2.05e-03	2.67e-04	-3.83e-03
91	136	15.20	-26.01	-0.62	2.69e-03	2.00e-04	4.24e-03
92	2	0.58	-0.53	-0.26	8.89e-05	1.00e-04	1.12e-04
92	6	0.62	-0.52	-0.26	8.69e-05	1.08e-04	1.30e-04
92	10	0.40	-0.37	-0.18	6.28e-05	7.05e-05	7.64e-05
92	12	0.43	-0.36	-0.19	6.15e-05	7.54e-05	8.89e-05
92	14	0.20	-0.20	-0.15	3.39e-05	3.59e-05	1.27e-05
92	16	0.20	-0.18	-0.15	3.16e-05	3.69e-05	1.66e-05
92	18	0.17	-0.16	-0.14	2.74e-05	3.01e-05	3.19e-06
92	24	9.07	-6.72	-1.25	1.09e-03	1.47e-03	2.68e-03
92	36	7.95	-8.87	-1.42	1.45e-03	1.35e-03	3.10e-03
92	40	7.46	-8.98	-1.41	1.46e-03	1.27e-03	3.06e-03
92	56	6.79	-5.10	-0.98	8.32e-04	1.10e-03	2.03e-03
92	68	5.99	-6.73	-1.11	1.10e-03	1.02e-03	2.35e-03
92	72	5.64	-6.83	-1.10	1.12e-03	9.65e-04	2.32e-03
92	88	6.03	-4.55	-0.88	7.42e-04	9.82e-04	1.80e-03

92	100	5.33	-6.00	-1.00	9.81e-04	9.07e-04	2.09e-03
92	104	5.02	-6.08	-0.99	9.94e-04	8.60e-04	2.06e-03
92	120	10.89	-8.06	-1.48	1.31e-03	1.77e-03	3.23e-03
92	132	9.54	-10.66	-1.68	1.74e-03	1.62e-03	3.74e-03
92	136	8.94	-10.79	-1.67	1.76e-03	1.53e-03	3.69e-03
93	2	0.22	-0.20	-0.17	6.20e-05	6.72e-05	5.39e-05
93	6	0.23	-0.19	-0.17	6.11e-05	7.35e-05	6.26e-05
93	10	0.15	-0.14	-0.12	4.27e-05	4.61e-05	3.69e-05
93	12	0.16	-0.13	-0.12	4.21e-05	5.03e-05	4.27e-05
93	14	0.07	-0.07	-0.09	1.73e-05	1.74e-05	6.57e-06
93	16	0.08	-0.07	-0.09	1.57e-05	1.83e-05	8.32e-06
93	18	0.06	-0.06	-0.09	1.18e-05	1.27e-05	2.01e-06
93	24	3.77	-2.72	-0.88	9.57e-04	1.28e-03	1.43e-03
93	36	3.22	-3.60	-0.99	1.26e-03	1.12e-03	1.65e-03
93	40	3.00	-3.64	-0.99	1.28e-03	1.05e-03	1.63e-03
93	56	2.81	-2.06	-0.68	7.25e-04	9.53e-04	1.08e-03
93	68	2.42	-2.73	-0.77	9.57e-04	8.41e-04	1.25e-03
93	72	2.26	-2.77	-0.77	9.70e-04	7.94e-04	1.24e-03
93	88	2.50	-1.83	-0.62	6.45e-04	8.46e-04	9.63e-04
93	100	2.15	-2.43	-0.70	8.51e-04	7.48e-04	1.11e-03
93	104	2.02	-2.46	-0.69	8.63e-04	7.06e-04	1.10e-03
93	120	4.52	-3.26	-1.04	1.15e-03	1.53e-03	1.72e-03
93	132	3.86	-4.33	-1.18	1.52e-03	1.35e-03	1.99e-03
93	136	3.59	-4.38	-1.17	1.54e-03	1.26e-03	1.97e-03
94	2	1.07	-1.01	-0.32	2.18e-04	1.95e-04	1.63e-04
94	6	1.15	-1.00	-0.32	2.24e-04	2.08e-04	1.93e-04
94	10	0.74	-0.70	-0.23	1.50e-04	1.34e-04	1.12e-04
94	12	0.80	-0.70	-0.23	1.54e-04	1.43e-04	1.32e-04
94	14	0.39	-0.39	-0.19	7.48e-05	6.60e-05	1.64e-05
94	16	0.40	-0.37	-0.19	7.34e-05	6.75e-05	2.30e-05
94	18	0.33	-0.32	-0.18	6.04e-05	5.44e-05	2.68e-06
94	24	15.07	-11.57	-1.38	2.15e-03	2.21e-03	3.55e-03
94	36	13.42	-15.14	-1.57	2.63e-03	1.98e-03	4.03e-03
94	40	12.67	-15.33	-1.56	2.65e-03	1.93e-03	3.97e-03
94	56	11.30	-8.80	-1.09	1.63e-03	1.66e-03	2.69e-03
94	68	10.13	-11.51	-1.23	2.00e-03	1.50e-03	3.06e-03
94	72	9.61	-11.67	-1.23	2.02e-03	1.46e-03	3.01e-03
94	88	10.05	-7.85	-0.99	1.45e-03	1.48e-03	2.39e-03
94	100	9.02	-10.26	-1.11	1.78e-03	1.33e-03	2.72e-03
94	104	8.56	-10.40	-1.11	1.80e-03	1.30e-03	2.67e-03
94	120	18.08	-13.88	-1.63	2.57e-03	2.65e-03	4.28e-03
94	132	16.10	-18.20	-1.86	3.16e-03	2.37e-03	4.87e-03
94	136	15.19	-18.43	-1.85	3.19e-03	2.31e-03	4.80e-03
95	1	0.27	-0.24	-0.12	3.29e-05	6.44e-05	2.68e-05
95	2	0.36	-0.53	-0.09	6.63e-05	8.85e-05	1.11e-04
95	6	0.38	-0.52	-0.09	6.64e-05	9.29e-05	1.23e-04
95	9	0.19	-0.17	-0.09	2.40e-05	4.53e-05	2.06e-05
95	10	0.25	-0.36	-0.06	4.63e-05	6.14e-05	7.66e-05
95	12	0.26	-0.36	-0.07	4.64e-05	6.44e-05	8.49e-05
95	13	0.14	-0.10	-0.09	1.39e-05	3.36e-05	-1.72e-05
95	14	0.17	-0.19	-0.08	2.50e-05	4.16e-05	1.08e-05
95	16	0.18	-0.18	-0.08	2.40e-05	4.23e-05	1.22e-05
95	17	0.14	-0.10	-0.09	1.39e-05	3.36e-05	-1.72e-05
95	18	0.16	-0.15	-0.09	2.06e-05	3.84e-05	0.0
95	23	5.72	-2.96	-1.02	3.00e-04	6.00e-04	1.38e-03
95	35	4.34	5.74	-1.22	-5.82e-04	-2.86e-04	-1.24e-03
95	40	-1.52	-8.97	1.04	9.24e-04	7.56e-04	2.30e-03
95	55	4.28	-2.26	-0.78	2.31e-04	4.51e-04	1.02e-03
95	67	3.25	4.31	-0.93	-4.36e-04	-2.06e-04	-9.43e-04
95	72	-1.06	-6.82	0.76	7.05e-04	5.76e-04	1.74e-03
95	87	3.81	-2.02	-0.70	2.08e-04	4.03e-04	9.03e-04
95	99	2.89	3.81	-0.84	-3.85e-04	-1.79e-04	-8.38e-04
95	104	-0.92	-6.08	0.67	6.28e-04	5.15e-04	1.54e-03
95	119	6.80	-3.53	-1.21	3.57e-04	7.14e-04	1.66e-03
95	131	5.16	6.97	-1.45	-7.08e-04	-3.52e-04	-1.50e-03
95	136	-1.87	-10.79	1.27	1.11e-03	9.01e-04	2.78e-03
96	1	0.09	-0.08	-0.08	2.32e-05	3.83e-05	1.41e-05
96	2	0.11	-0.19	-0.06	4.84e-05	4.88e-05	4.50e-05
96	6	0.12	-0.18	-0.06	4.80e-05	5.19e-05	4.99e-05
96	9	0.06	-0.06	-0.06	1.68e-05	2.66e-05	1.02e-05
96	10	0.08	-0.13	-0.04	3.35e-05	3.36e-05	3.07e-05
96	12	0.08	-0.13	-0.04	3.33e-05	3.57e-05	3.40e-05
96	13	0.05	-0.03	-0.06	9.57e-06	2.03e-05	-4.01e-06
96	14	0.06	-0.07	-0.05	1.80e-05	2.38e-05	6.29e-06
96	16	0.06	-0.06	-0.06	1.70e-05	2.45e-05	6.89e-06

96	17	0.05	-0.03	-0.06	9.57e-06	2.03e-05	-4.01e-06
96	18	0.05	-0.05	-0.06	1.46e-05	2.24e-05	2.17e-06
96	19	2.45	-1.08	-0.75	2.22e-04	8.87e-04	6.07e-04
96	35	1.81	2.34	-0.86	-4.86e-04	6.65e-04	-4.55e-04
96	40	-0.61	-3.64	0.74	7.61e-04	-2.28e-04	8.93e-04
96	51	1.83	-0.82	-0.57	1.71e-04	6.63e-04	4.49e-04
96	67	1.35	1.76	-0.66	-3.64e-04	4.97e-04	-3.45e-04
96	72	-0.43	-2.76	0.54	5.79e-04	-1.60e-04	6.73e-04
96	83	1.63	-0.73	-0.52	1.53e-04	5.90e-04	3.98e-04
96	104	-0.37	-2.46	0.48	5.16e-04	-1.38e-04	5.98e-04
96	105	0.48	2.36	-0.59	-4.87e-04	1.83e-04	-5.94e-04
96	115	2.91	-1.28	-0.89	2.65e-04	1.05e-03	7.30e-04
96	131	2.15	2.84	-1.02	-5.90e-04	7.90e-04	-5.50e-04
96	136	-0.75	-4.38	0.90	9.15e-04	-2.80e-04	1.08e-03
97	1	0.54	-0.49	-0.14	1.30e-05	8.74e-05	5.04e-05
97	2	0.73	-1.01	-0.10	1.85e-05	1.34e-04	2.02e-04
97	6	0.77	-1.00	-0.10	1.86e-05	1.41e-04	2.24e-04
97	9	0.38	-0.36	-0.10	1.04e-05	6.12e-05	4.01e-05
97	10	0.51	-0.70	-0.07	1.41e-05	9.24e-05	1.41e-04
97	12	0.53	-0.69	-0.08	1.42e-05	9.67e-05	1.56e-04
97	13	0.28	-0.21	-0.10	8.70e-06	4.07e-05	-2.73e-05
97	14	0.35	-0.38	-0.09	1.06e-05	5.63e-05	2.31e-05
97	16	0.35	-0.36	-0.09	1.04e-05	5.69e-05	2.54e-05
97	17	0.28	-0.21	-0.10	8.70e-06	4.07e-05	-2.73e-05
97	18	0.32	-0.32	-0.10	9.82e-06	5.01e-05	2.92e-06
97	24	8.87	-11.57	-0.64	2.32e-04	1.35e-03	4.23e-03
97	35	-2.28	9.71	-1.33	-8.35e-05	-4.46e-04	-2.17e-03
97	40	6.67	-15.33	1.13	1.96e-04	1.13e-03	3.94e-03
97	56	6.65	-8.80	-0.49	1.76e-04	1.02e-03	3.17e-03
97	67	-1.63	7.27	-1.02	-6.13e-05	-3.24e-04	-1.65e-03
97	72	5.05	-11.67	0.82	1.50e-04	8.59e-04	2.98e-03
97	88	5.92	-7.85	-0.45	1.57e-04	9.06e-04	2.81e-03
97	99	-1.41	6.42	-0.92	-5.34e-05	-2.82e-04	-1.46e-03
97	104	4.51	-10.40	0.72	1.34e-04	7.67e-04	2.65e-03
97	120	10.58	-13.88	-0.74	2.77e-04	1.61e-03	5.10e-03
97	131	-2.81	11.79	-1.58	-1.03e-04	-5.48e-04	-2.62e-03
97	136	7.92	-18.43	1.37	2.34e-04	1.35e-03	4.76e-03
98	2	0.25	-0.52	-0.17	3.65e-05	5.54e-05	-7.45e-05
98	6	0.26	-0.52	-0.17	3.69e-05	5.58e-05	-6.22e-05
98	10	0.17	-0.36	-0.12	2.60e-05	3.80e-05	-5.04e-05
98	12	0.18	-0.36	-0.12	2.63e-05	3.83e-05	-4.22e-05
98	14	0.17	-0.19	-0.12	1.55e-05	3.79e-05	-3.17e-05
98	16	0.17	-0.18	-0.12	1.52e-05	3.81e-05	-2.59e-05
98	18	0.17	-0.15	-0.11	1.34e-05	3.80e-05	-2.51e-05
98	19	2.43	-2.64	-0.31	1.58e-04	4.53e-04	1.41e-03
98	24	1.79	-6.71	-0.39	3.97e-04	3.30e-04	7.26e-04
98	40	-0.48	-8.97	-0.30	5.23e-04	-9.49e-05	-9.79e-04
98	51	1.86	-2.02	-0.26	1.22e-04	3.47e-04	1.04e-03
98	56	1.38	-5.10	-0.32	3.04e-04	2.56e-04	5.26e-04
98	72	-0.30	-6.82	-0.26	3.99e-04	-5.78e-05	-7.40e-04
98	83	1.66	-1.81	-0.24	1.10e-04	3.12e-04	9.19e-04
98	88	1.25	-4.54	-0.30	2.71e-04	2.31e-04	4.63e-04
98	104	-0.24	-6.08	-0.24	3.56e-04	-4.66e-05	-6.60e-04
98	115	2.85	-3.15	-0.35	1.88e-04	5.32e-04	1.69e-03
98	120	2.10	-8.06	-0.44	4.77e-04	3.85e-04	8.74e-04
98	136	-0.62	-10.79	-0.34	6.28e-04	-1.23e-04	-1.18e-03
99	2	0.08	-0.19	-0.11	2.94e-05	3.49e-05	-2.75e-05
99	6	0.09	-0.18	-0.11	2.97e-05	3.53e-05	-2.24e-05
99	10	0.06	-0.13	-0.08	2.04e-05	2.38e-05	-1.85e-05
99	12	0.06	-0.13	-0.08	2.07e-05	2.41e-05	-1.51e-05
99	14	0.06	-0.07	-0.07	1.06e-05	2.35e-05	-1.05e-05
99	16	0.06	-0.06	-0.08	1.02e-05	2.36e-05	-8.13e-06
99	18	0.05	-0.05	-0.07	8.62e-06	2.35e-05	-7.76e-06
99	19	0.95	-1.08	-0.21	1.49e-04	3.41e-04	6.70e-04
99	24	0.71	-2.72	-0.27	3.76e-04	2.49e-04	3.56e-04
99	40	-0.18	-3.65	-0.21	4.98e-04	-7.19e-05	-4.44e-04
99	51	0.72	-0.82	-0.18	1.14e-04	2.61e-04	4.97e-04
99	56	0.54	-2.06	-0.22	2.86e-04	1.93e-04	2.60e-04
99	72	-0.11	-2.77	-0.17	3.79e-04	-4.50e-05	-3.35e-04
99	83	0.65	-0.73	-0.17	1.02e-04	2.34e-04	4.40e-04
99	88	0.49	-1.84	-0.20	2.55e-04	1.74e-04	2.30e-04
99	104	-0.09	-2.47	-0.16	3.37e-04	-3.70e-05	-2.98e-04
99	115	1.12	-1.29	-0.24	1.77e-04	4.01e-04	8.02e-04
99	120	0.83	-3.27	-0.30	4.52e-04	2.93e-04	4.27e-04
99	136	-0.23	-4.39	-0.23	5.99e-04	-9.18e-05	-5.35e-04

100	2	0.48	-1.01	-0.19	1.94e-04	7.32e-05	-7.01e-05
100	5	0.49	-0.64	-0.19	1.31e-04	6.86e-05	-2.17e-05
100	6	0.49	-1.00	-0.20	2.02e-04	7.30e-05	-4.87e-05
100	10	0.33	-0.70	-0.14	1.32e-04	5.04e-05	-4.67e-05
100	11	0.34	-0.45	-0.14	9.01e-05	4.74e-05	-1.45e-05
100	12	0.34	-0.69	-0.14	1.37e-04	5.03e-05	-3.25e-05
100	14	0.33	-0.38	-0.14	6.06e-05	4.67e-05	-4.37e-05
100	15	0.33	-0.26	-0.14	3.95e-05	4.51e-05	-2.76e-05
100	16	0.33	-0.36	-0.14	5.98e-05	4.64e-05	-3.53e-05
100	17	0.33	-0.21	-0.13	2.68e-05	4.46e-05	-3.09e-05
100	18	0.33	-0.32	-0.14	4.71e-05	4.58e-05	-3.86e-05
100	19	4.14	-4.60	-0.35	8.56e-04	6.07e-04	1.70e-03
100	24	3.04	-11.59	-0.43	2.01e-03	4.44e-04	1.08e-03
100	40	-0.82	-15.36	-0.34	2.46e-03	-1.17e-04	-8.61e-04
100	51	3.17	-3.53	-0.30	6.49e-04	4.61e-04	1.24e-03
100	56	2.36	-8.82	-0.36	1.52e-03	3.41e-04	7.72e-04
100	72	-0.50	-11.69	-0.29	1.87e-03	-7.11e-05	-6.47e-04
100	83	2.85	-3.17	-0.28	5.80e-04	4.14e-04	1.09e-03
100	88	2.13	-7.86	-0.34	1.36e-03	3.07e-04	6.78e-04
100	104	-0.40	-10.42	-0.27	1.67e-03	-5.73e-05	-5.77e-04
100	115	4.87	-5.47	-0.39	1.02e-03	7.17e-04	2.04e-03
100	120	3.56	-13.91	-0.49	2.41e-03	5.21e-04	1.30e-03
100	136	-1.06	-18.46	-0.38	2.95e-03	-1.51e-04	-1.04e-03
101	2	0.41	-0.52	-0.16	4.98e-05	8.73e-05	-1.51e-04
101	10	0.28	-0.36	-0.11	3.55e-05	5.96e-05	-1.03e-04
101	14	0.23	-0.19	-0.11	2.18e-05	4.83e-05	-5.03e-05
101	18	0.22	-0.15	-0.11	1.88e-05	4.48e-05	-3.44e-05
101	27	1.76	-3.02	-0.45	2.35e-04	3.49e-04	-9.71e-04
101	28	2.83	-7.40	-0.33	5.76e-04	5.73e-04	-2.15e-03
101	40	2.62	-8.98	8.62e-03	7.02e-04	5.44e-04	-2.46e-03
101	59	1.37	-2.33	-0.36	1.83e-04	2.72e-04	-7.40e-04
101	60	2.18	-5.64	-0.27	4.40e-04	4.41e-04	-1.63e-03
101	72	2.02	-6.82	-0.02	5.36e-04	4.20e-04	-1.87e-03
101	91	1.24	-2.08	-0.33	1.64e-04	2.47e-04	-6.60e-04
101	92	1.95	-5.03	-0.26	3.93e-04	3.96e-04	-1.45e-03
101	104	1.82	-6.08	-0.03	4.78e-04	3.77e-04	-1.66e-03
101	123	2.07	-3.58	-0.52	2.79e-04	4.11e-04	-1.16e-03
101	124	3.36	-8.87	-0.38	6.90e-04	6.82e-04	-2.59e-03
101	136	3.12	-10.79	0.03	8.43e-04	6.47e-04	-2.96e-03
102	2	0.14	-0.19	-0.10	3.86e-05	5.90e-05	-5.32e-05
102	10	0.10	-0.13	-0.07	2.69e-05	4.04e-05	-3.62e-05
102	14	0.08	-0.07	-0.07	1.45e-05	3.27e-05	-1.74e-05
102	18	0.07	-0.05	-0.07	1.19e-05	3.03e-05	-1.17e-05
102	27	0.63	-1.23	-0.31	2.12e-04	2.52e-04	-3.82e-04
102	28	0.99	-3.02	-0.23	5.20e-04	4.07e-04	-8.62e-04
102	40	0.90	-3.66	0.01	6.31e-04	3.79e-04	-9.96e-04
102	59	0.49	-0.94	-0.25	1.63e-04	1.97e-04	-2.92e-04
102	60	0.77	-2.30	-0.19	3.96e-04	3.13e-04	-6.56e-04
102	72	0.69	-2.78	-0.01	4.80e-04	2.92e-04	-7.58e-04
102	91	0.45	-0.84	-0.23	1.46e-04	1.78e-04	-2.60e-04
102	92	0.69	-2.05	-0.17	3.53e-04	2.81e-04	-5.84e-04
102	104	0.62	-2.47	-0.02	4.28e-04	2.63e-04	-6.74e-04
102	123	0.74	-1.45	-0.36	2.51e-04	2.97e-04	-4.56e-04
102	124	1.18	-3.61	-0.26	6.23e-04	4.84e-04	-1.04e-03
102	136	1.07	-4.40	0.03	7.59e-04	4.51e-04	-1.20e-03
103	2	0.76	-1.01	-0.18	5.25e-05	8.91e-05	-2.03e-04
103	10	0.52	-0.70	-0.13	3.84e-05	5.98e-05	-1.39e-04
103	14	0.42	-0.38	-0.12	4.00e-05	4.87e-05	-6.39e-05
103	18	0.39	-0.32	-0.12	4.01e-05	4.54e-05	-3.84e-05
103	19	2.89	-4.60	-0.50	2.14e-04	3.13e-04	-9.81e-04
103	28	5.02	-12.72	-0.37	1.25e-04	5.57e-04	-3.07e-03
103	40	4.70	-15.38	9.33e-04	-3.63e-05	5.38e-04	-3.25e-03
103	59	2.41	-4.05	-0.40	1.55e-04	2.61e-04	-1.17e-03
103	60	3.86	-9.71	-0.31	1.05e-04	4.29e-04	-2.32e-03
103	72	3.63	-11.71	-0.03	-1.63e-05	4.16e-04	-2.46e-03
103	91	2.19	-3.63	-0.37	1.42e-04	2.36e-04	-1.04e-03
103	92	3.47	-8.65	-0.28	9.79e-05	3.86e-04	-2.06e-03
103	104	3.27	-10.43	-0.04	-9.89e-06	3.75e-04	-2.19e-03
103	123	3.64	-6.22	-0.57	2.20e-04	3.92e-04	-1.87e-03
103	124	5.96	-15.25	-0.42	1.40e-04	6.62e-04	-3.70e-03
103	136	5.59	-18.49	0.03	-5.22e-05	6.40e-04	-3.92e-03
104	2	0.67	-0.52	-0.15	9.43e-06	1.25e-04	-1.76e-04
104	10	0.46	-0.36	-0.11	5.06e-06	8.52e-05	-1.21e-04
104	14	0.32	-0.19	-0.11	-8.09e-06	5.92e-05	-6.19e-05
104	18	0.27	-0.15	-0.11	-1.05e-05	5.00e-05	-3.79e-05

104	28	6.50	-7.41	-0.15	5.79e-04	1.13e-03	-2.23e-03
104	40	6.29	-8.98	-0.15	7.01e-04	1.09e-03	-2.02e-03
104	60	4.93	-5.64	-0.14	4.36e-04	8.53e-04	-1.66e-03
104	72	4.80	-6.83	-0.14	5.28e-04	8.30e-04	-1.51e-03
104	92	4.40	-5.03	-0.14	3.86e-04	7.61e-04	-1.47e-03
104	104	4.29	-6.08	-0.14	4.68e-04	7.42e-04	-1.34e-03
104	124	7.79	-8.88	-0.16	7.00e-04	1.36e-03	-2.69e-03
104	136	7.54	-10.80	-0.16	8.48e-04	1.31e-03	-2.43e-03
105	2	0.23	-0.19	-0.10	1.55e-05	1.03e-04	-2.51e-05
105	10	0.16	-0.13	-0.07	1.00e-05	7.08e-05	-1.73e-05
105	14	0.11	-0.07	-0.07	0.0	4.83e-05	-7.45e-06
105	18	0.09	-0.05	-0.07	-2.37e-06	4.05e-05	-2.87e-06
105	28	2.55	-3.02	-0.10	5.05e-04	9.94e-04	-9.04e-04
105	40	2.45	-3.67	-0.10	6.15e-04	9.62e-04	-8.05e-04
105	60	1.95	-2.30	-0.09	3.82e-04	7.55e-04	-6.67e-04
105	72	1.88	-2.78	-0.09	4.64e-04	7.35e-04	-5.99e-04
105	92	1.74	-2.05	-0.09	3.39e-04	6.75e-04	-5.91e-04
105	104	1.68	-2.48	-0.09	4.12e-04	6.57e-04	-5.31e-04
105	124	3.06	-3.62	-0.10	6.09e-04	1.19e-03	-1.09e-03
105	136	2.94	-4.41	-0.10	7.42e-04	1.15e-03	-9.72e-04
106	2	1.08	-1.01	-0.18	-1.27e-04	5.62e-05	-1.86e-04
106	10	0.74	-0.70	-0.13	-9.21e-05	4.08e-05	-1.27e-04
106	14	0.51	-0.38	-0.12	-8.56e-05	4.47e-05	-4.85e-05
106	18	0.43	-0.32	-0.12	-8.38e-05	4.24e-05	-1.55e-05
106	28	10.32	-12.74	-0.18	1.11e-05	1.49e-03	-3.85e-03
106	40	9.98	-15.40	-0.19	-1.44e-04	1.38e-03	-3.50e-03
106	60	7.78	-9.72	-0.17	-1.28e-05	1.11e-03	-2.85e-03
106	72	7.59	-11.72	-0.17	-1.27e-04	1.04e-03	-2.61e-03
106	92	6.94	-8.67	-0.16	-2.08e-05	9.84e-04	-2.52e-03
106	104	6.78	-10.45	-0.17	-1.22e-04	9.26e-04	-2.31e-03
106	124	12.38	-15.27	-0.19	2.90e-05	1.79e-03	-4.66e-03
106	136	11.97	-18.51	-0.20	-1.56e-04	1.66e-03	-4.22e-03
107	2	0.95	-0.52	-0.36	7.67e-05	1.42e-04	-7.04e-05
107	10	0.66	-0.36	-0.26	5.38e-05	9.66e-05	-4.94e-05
107	14	0.42	-0.19	-0.25	3.20e-05	5.81e-05	-3.08e-05
107	18	0.33	-0.15	-0.24	2.73e-05	4.53e-05	-1.64e-05
107	19	4.67	-2.64	-0.32	3.57e-04	6.08e-04	-2.33e-03
107	28	9.59	-7.41	-0.29	1.00e-03	1.32e-03	-1.51e-03
107	40	8.87	-8.98	-0.21	1.23e-03	1.27e-03	9.37e-04
107	51	3.50	-2.02	-0.30	2.76e-04	4.59e-04	-1.69e-03
107	60	7.17	-5.65	-0.27	7.67e-04	9.94e-04	-1.10e-03
107	72	6.69	-6.83	-0.22	9.35e-04	9.59e-04	6.66e-04
107	83	3.13	-1.81	-0.29	2.48e-04	4.11e-04	-1.49e-03
107	92	6.39	-5.03	-0.27	6.84e-04	8.86e-04	-9.79e-04
107	104	5.97	-6.08	-0.22	8.33e-04	8.55e-04	5.85e-04
107	115	5.56	-3.15	-0.34	4.25e-04	7.24e-04	-2.80e-03
107	124	11.53	-8.88	-0.30	1.20e-03	1.59e-03	-1.82e-03
107	136	10.65	-10.80	-0.20	1.47e-03	1.52e-03	1.13e-03
108	2	0.23	-0.19	-0.23	6.06e-05	1.13e-04	-2.11e-05
108	10	0.16	-0.13	-0.16	4.09e-05	7.84e-05	-1.49e-05
108	14	0.11	-0.07	-0.15	2.05e-05	5.24e-05	-9.33e-06
108	18	0.09	-0.05	-0.15	1.63e-05	4.19e-05	-3.90e-06
108	19	1.82	-1.08	-0.21	3.32e-04	5.79e-04	-1.43e-03
108	28	3.77	-3.03	-0.18	9.24e-04	1.17e-03	-8.61e-04
108	40	3.41	-3.67	-0.13	1.12e-03	1.08e-03	6.25e-04
108	51	1.36	-0.82	-0.19	2.53e-04	4.34e-04	-1.04e-03
108	60	2.80	-2.30	-0.17	7.04e-04	8.75e-04	-6.32e-04
108	72	2.56	-2.79	-0.13	8.50e-04	8.12e-04	4.47e-04
108	83	1.21	-0.73	-0.19	2.26e-04	3.89e-04	-9.17e-04
108	92	2.49	-2.05	-0.17	6.27e-04	7.80e-04	-5.60e-04
108	104	2.28	-2.48	-0.14	7.57e-04	7.25e-04	3.94e-04
108	115	2.18	-1.29	-0.22	3.96e-04	6.90e-04	-1.72e-03
108	124	4.54	-3.62	-0.19	1.11e-03	1.41e-03	-1.04e-03
108	136	4.10	-4.41	-0.12	1.35e-03	1.29e-03	7.57e-04
109	2	1.34	-1.01	-0.44	1.60e-04	2.33e-05	-7.64e-05
109	10	0.92	-0.70	-0.32	1.05e-04	2.18e-05	-5.42e-05
109	14	0.58	-0.39	-0.30	3.32e-05	4.07e-05	-3.33e-05
109	18	0.45	-0.32	-0.30	1.96e-05	3.95e-05	-1.39e-05
109	19	7.90	-4.62	-0.40	8.40e-04	1.41e-03	-2.62e-03
109	28	16.23	-12.76	-0.35	2.12e-03	2.46e-03	-1.92e-03
109	40	15.17	-15.42	-0.26	2.50e-03	2.25e-03	9.67e-04
109	51	5.90	-3.54	-0.37	6.30e-04	1.04e-03	-1.91e-03
109	60	12.12	-9.73	-0.34	1.61e-03	1.82e-03	-1.40e-03
109	72	11.43	-11.74	-0.27	1.89e-03	1.68e-03	6.97e-04
109	83	5.27	-3.18	-0.36	5.61e-04	9.25e-04	-1.68e-03

109	92	10.78	-8.68	-0.33	1.43e-03	1.62e-03	-1.24e-03
109	104	10.19	-10.46	-0.27	1.68e-03	1.50e-03	6.14e-04
109	115	9.43	-5.49	-0.42	1.00e-03	1.70e-03	-3.16e-03
109	124	19.54	-15.29	-0.36	2.54e-03	2.97e-03	-2.32e-03
109	136	18.24	-18.54	-0.25	3.00e-03	2.71e-03	1.17e-03
110	2	0.93	-0.52	-0.11	1.24e-04	1.32e-04	2.19e-05
110	6	0.74	-0.58	-0.11	1.34e-04	1.14e-04	6.00e-05
110	10	0.64	-0.36	-0.08	8.58e-05	9.09e-05	1.36e-05
110	12	0.51	-0.39	-0.08	9.25e-05	7.90e-05	3.90e-05
110	14	0.41	-0.17	-0.08	4.18e-05	6.97e-05	-7.93e-06
110	16	0.33	-0.18	-0.08	4.34e-05	6.17e-05	5.61e-06
110	18	0.32	-0.14	-0.08	3.46e-05	6.15e-05	-4.46e-06
110	28	9.59	-9.94	-0.02	1.37e-03	9.38e-04	-2.10e-03
110	29	-8.94	9.65	-0.14	-1.30e-03	-8.15e-04	2.09e-03
110	36	8.53	-12.69	-0.03	1.58e-03	8.55e-04	2.08e-03
110	60	7.17	-7.43	-0.04	1.04e-03	7.10e-04	-1.54e-03
110	61	-6.52	7.14	-0.12	-9.74e-04	-5.87e-04	1.53e-03
110	68	6.45	-9.48	-0.04	1.21e-03	6.53e-04	1.50e-03
110	92	6.39	-6.60	-0.04	9.30e-04	6.36e-04	-1.36e-03
110	93	-5.74	6.31	-0.12	-8.61e-04	-5.13e-04	1.35e-03
110	100	5.75	-8.42	-0.04	1.08e-03	5.86e-04	1.33e-03
110	124	11.54	-11.99	-9.10e-03	1.63e-03	1.12e-03	-2.52e-03
110	125	-10.89	11.70	-0.15	-1.56e-03	-9.99e-04	2.51e-03
110	132	10.24	-15.30	-0.02	1.90e-03	1.02e-03	2.52e-03
111	2	0.22	-0.17	-0.07	7.20e-05	1.05e-04	0.0
111	6	0.18	-0.19	-0.07	8.06e-05	8.92e-05	1.39e-05
111	10	0.16	-0.11	-0.05	4.94e-05	7.20e-05	0.0
111	12	0.12	-0.13	-0.05	5.52e-05	6.13e-05	9.02e-06
111	14	0.11	-0.05	-0.05	2.36e-05	5.28e-05	-4.40e-06
111	16	0.08	-0.06	-0.05	2.56e-05	4.56e-05	0.0
111	18	0.09	-0.05	-0.05	2.00e-05	4.54e-05	-2.16e-06
111	28	3.78	-4.91	-0.01	1.62e-03	7.98e-04	-1.35e-03
111	29	-3.61	4.82	-0.09	-1.58e-03	-7.07e-04	1.34e-03
111	36	3.28	-6.24	-0.02	2.07e-03	7.11e-04	1.38e-03
111	60	2.81	-3.64	-0.02	1.20e-03	6.01e-04	-9.90e-04
111	61	-2.64	3.55	-0.08	-1.16e-03	-5.11e-04	9.85e-04
111	68	2.46	-4.63	-0.03	1.54e-03	5.41e-04	9.98e-04
111	92	2.50	-3.23	-0.03	1.07e-03	5.38e-04	-8.76e-04
111	93	-2.33	3.13	-0.08	-1.03e-03	-4.47e-04	8.72e-04
111	100	2.19	-4.10	-0.03	1.37e-03	4.85e-04	8.81e-04
111	124	4.56	-5.92	-4.62e-03	1.95e-03	9.56e-04	-1.61e-03
111	125	-4.39	5.83	-0.10	-1.91e-03	-8.65e-04	1.60e-03
111	132	3.94	-7.53	-9.21e-03	2.49e-03	8.49e-04	1.68e-03
112	2	1.34	-1.03	-0.13	1.56e-04	1.64e-04	3.67e-05
112	6	1.06	-1.12	-0.13	1.72e-04	1.64e-04	9.92e-05
112	10	0.92	-0.71	-0.10	1.04e-04	1.10e-04	2.12e-05
112	12	0.73	-0.77	-0.09	1.14e-04	1.11e-04	6.29e-05
112	14	0.58	-0.34	-0.09	3.31e-05	1.07e-04	-2.27e-05
112	16	0.46	-0.36	-0.09	3.53e-05	1.07e-04	0.0
112	18	0.45	-0.29	-0.09	2.14e-05	1.07e-04	-1.87e-05
112	28	16.22	-13.49	-0.03	2.00e-03	-1.17e-04	-1.49e-03
112	29	-15.32	12.92	-0.16	-1.96e-03	3.31e-04	1.46e-03
112	36	14.64	-16.69	-0.04	1.98e-03	-1.02e-04	8.69e-04
112	60	12.11	-10.21	-0.05	1.52e-03	-5.87e-05	-1.09e-03
112	61	-11.21	9.64	-0.14	-1.48e-03	2.72e-04	1.05e-03
112	68	11.04	-12.61	-0.05	1.51e-03	-4.88e-05	6.24e-04
112	92	10.78	-9.09	-0.05	1.35e-03	-3.98e-05	-9.63e-04
112	93	-9.87	8.52	-0.14	-1.31e-03	2.53e-04	9.26e-04
112	100	9.84	-11.22	-0.06	1.34e-03	-3.11e-05	5.48e-04
112	124	19.53	-16.21	-0.02	2.38e-03	-1.64e-04	-1.80e-03
112	125	-18.63	15.64	-0.17	-2.34e-03	3.77e-04	1.76e-03
112	132	17.59	-20.09	-0.02	2.37e-03	-1.45e-04	1.06e-03
113	1	0.0	0.0	0.0	0.0	0.0	0.0
113	9	0.0	0.0	0.0	0.0	0.0	0.0
113	13	0.0	0.0	0.0	0.0	0.0	0.0
113	17	0.0	0.0	0.0	0.0	0.0	0.0
113	19	0.0	0.0	0.0	0.0	0.0	0.0
113	51	0.0	0.0	0.0	0.0	0.0	0.0
113	83	0.0	0.0	0.0	0.0	0.0	0.0
113	115	0.0	0.0	0.0	0.0	0.0	0.0
114	2	3.12	-0.52	-0.17	1.17e-04	3.29e-04	0.0
114	10	2.15	-0.36	-0.12	8.15e-05	2.28e-04	0.0
114	14	1.43	-0.19	-0.11	4.54e-05	1.56e-04	0.0
114	18	1.11	-0.15	-0.10	3.76e-05	1.21e-04	0.0
114	28	13.87	-7.41	-0.13	1.37e-03	2.03e-03	0.0

114	40	11.28	-8.99	-0.13	1.66e-03	1.80e-03	0.0
114	60	10.48	-5.65	-0.12	1.05e-03	1.53e-03	0.0
114	72	8.61	-6.83	-0.12	1.26e-03	1.36e-03	0.0
114	92	9.40	-5.03	-0.12	9.36e-04	1.36e-03	0.0
114	104	7.75	-6.09	-0.12	1.13e-03	1.22e-03	0.0
114	124	16.52	-8.88	-0.14	1.65e-03	2.43e-03	0.0
114	136	13.39	-10.80	-0.13	1.99e-03	2.15e-03	0.0
115	2	0.13	-0.19	-0.30	-6.79e-04	-1.07e-03	9.49e-04
115	10	0.09	-0.13	-0.21	-4.64e-04	-7.37e-04	6.58e-04
115	14	0.07	-0.07	-0.19	-3.83e-04	-4.37e-04	4.05e-04
115	18	0.06	-0.05	-0.18	-3.50e-04	-3.17e-04	3.05e-04
115	27	2.19	-1.23	-0.26	-5.25e-04	-7.44e-04	1.22e-03
115	28	3.58	-3.03	-0.24	-6.15e-04	-1.05e-03	1.89e-03
115	40	3.23	-3.67	-0.16	-5.66e-04	-1.01e-03	1.81e-03
115	59	1.61	-0.95	-0.24	-4.80e-04	-6.31e-04	9.84e-04
115	60	2.66	-2.30	-0.22	-5.46e-04	-8.64e-04	1.50e-03
115	72	2.42	-2.79	-0.16	-5.10e-04	-8.35e-04	1.44e-03
115	91	1.43	-0.85	-0.23	-4.65e-04	-5.95e-04	9.07e-04
115	92	2.36	-2.05	-0.22	-5.24e-04	-8.01e-04	1.36e-03
115	104	2.15	-2.48	-0.17	-4.92e-04	-7.76e-04	1.31e-03
115	123	2.64	-1.46	-0.28	-5.61e-04	-8.33e-04	1.40e-03
115	124	4.32	-3.62	-0.25	-6.70e-04	-1.21e-03	2.22e-03
115	136	3.89	-4.41	-0.15	-6.11e-04	-1.15e-03	2.12e-03
116	2	0.89	-0.71	-0.37	1.42e-04	3.31e-04	8.91e-05
116	6	0.71	-0.88	-0.32	1.76e-04	2.64e-04	1.22e-04
116	10	0.61	-0.48	-0.26	9.65e-05	2.29e-04	5.91e-05
116	12	0.49	-0.59	-0.23	1.19e-04	1.84e-04	8.12e-05
116	14	0.40	-0.17	-0.21	3.21e-05	1.38e-04	7.94e-06
116	16	0.31	-0.21	-0.18	4.16e-05	1.07e-04	1.81e-05
116	18	0.31	-0.13	-0.18	2.56e-05	1.05e-04	4.16e-06
116	28	9.60	-20.83	-0.33	1.49e-03	5.22e-04	-9.04e-04
116	36	8.54	-24.19	-0.31	1.57e-03	5.46e-04	-1.48e-03
116	60	7.17	-15.30	-0.29	1.13e-03	4.19e-04	-6.76e-04
116	68	6.45	-17.81	-0.28	1.19e-03	4.39e-04	-1.08e-03
116	92	6.39	-13.55	-0.28	1.01e-03	3.84e-04	-5.99e-04
116	100	5.75	-15.77	-0.27	1.06e-03	4.01e-04	-9.59e-04
116	124	11.55	-25.11	-0.37	1.76e-03	6.09e-04	-1.08e-03
116	132	10.25	-29.18	-0.34	1.87e-03	6.38e-04	-1.77e-03
117	2	0.22	-0.26	-0.24	1.05e-04	2.83e-04	4.03e-05
117	6	0.17	-0.31	-0.20	1.29e-04	2.22e-04	5.68e-05
117	10	0.15	-0.17	-0.17	7.13e-05	1.97e-04	2.69e-05
117	12	0.12	-0.21	-0.15	8.74e-05	1.56e-04	3.80e-05
117	14	0.11	-0.06	-0.13	2.48e-05	1.25e-04	3.58e-06
117	16	0.08	-0.08	-0.12	3.17e-05	9.80e-05	8.72e-06
117	18	0.08	-0.05	-0.12	2.01e-05	9.72e-05	2.14e-06
117	28	3.81	5.96	-0.21	3.90e-03	6.55e-04	-9.34e-04
117	38	1.80	-14.90	-0.16	2.56e-03	3.83e-04	-7.09e-04
117	60	2.83	4.35	-0.18	2.86e-03	5.11e-04	-6.92e-04
117	70	1.38	-10.91	-0.15	1.88e-03	3.13e-04	-5.17e-04
117	92	2.51	3.85	-0.18	2.53e-03	4.64e-04	-6.13e-04
117	102	1.23	-9.66	-0.14	1.67e-03	2.89e-04	-4.57e-04
117	124	4.59	7.16	-0.23	4.69e-03	7.72e-04	-1.12e-03
117	134	2.16	-17.95	-0.17	3.10e-03	4.43e-04	-8.60e-04
118	2	1.34	-1.25	-0.40	1.49e-04	-7.86e-05	7.49e-05
118	6	1.06	-1.53	-0.35	1.81e-04	-9.84e-05	1.33e-04
118	10	0.92	-0.84	-0.29	1.01e-04	-5.08e-05	4.72e-05
118	12	0.73	-1.03	-0.25	1.22e-04	-6.40e-05	8.58e-05
118	14	0.58	-0.29	-0.23	3.29e-05	-1.51e-05	-1.32e-05
118	16	0.45	-0.37	-0.21	4.14e-05	-2.09e-05	5.96e-06
118	18	0.45	-0.23	-0.21	2.52e-05	-1.18e-05	-1.37e-05
118	28	16.21	-17.20	-0.39	1.70e-03	2.59e-03	-9.44e-04
118	44	14.09	-20.45	-0.36	-3.37e-04	2.22e-03	7.32e-04
118	60	12.10	-12.82	-0.34	1.29e-03	1.90e-03	-6.95e-04
118	76	10.58	-15.33	-0.32	-2.44e-04	1.62e-03	5.36e-04
118	92	10.77	-11.38	-0.33	1.14e-03	1.68e-03	-6.16e-04
118	108	9.43	-13.62	-0.31	-2.13e-04	1.44e-03	4.72e-04
118	124	19.52	-20.76	-0.43	2.00e-03	3.14e-03	-1.13e-03
118	140	16.94	-24.68	-0.39	-4.29e-04	2.68e-03	8.83e-04
119	2	0.87	-0.88	-0.23	1.59e-04	3.01e-04	1.24e-04
119	6	0.69	-1.10	-0.19	1.97e-04	2.40e-04	1.50e-04
119	10	0.60	-0.59	-0.16	1.07e-04	2.08e-04	8.35e-05
119	12	0.48	-0.74	-0.14	1.32e-04	1.67e-04	1.01e-04
119	14	0.39	-0.19	-0.16	3.32e-05	1.28e-04	2.52e-05
119	16	0.31	-0.25	-0.14	4.41e-05	1.00e-04	3.24e-05
119	18	0.31	-0.15	-0.15	2.58e-05	9.84e-05	1.85e-05

119	27	5.79	-7.41	-1.53	6.22e-04	5.52e-04	4.71e-03
119	28	9.60	-15.72	-1.04	1.35e-03	9.44e-04	2.15e-03
119	36	8.54	-17.69	0.37	1.55e-03	9.29e-04	-2.92e-03
119	59	4.32	-5.43	-1.15	4.73e-04	4.33e-04	3.44e-03
119	60	7.17	-11.58	-0.80	1.03e-03	7.29e-04	1.58e-03
119	68	6.45	-13.08	0.24	1.18e-03	7.22e-04	-2.12e-03
119	91	3.86	-4.82	-1.03	4.23e-04	3.95e-04	3.05e-03
119	92	6.39	-10.26	-0.72	9.13e-04	6.57e-04	1.40e-03
119	100	5.75	-11.59	0.19	1.05e-03	6.52e-04	-1.87e-03
119	123	6.95	-8.91	-1.82	7.42e-04	6.47e-04	5.66e-03
119	124	11.55	-18.97	-1.23	1.62e-03	1.12e-03	2.57e-03
119	132	10.25	-21.34	0.48	1.86e-03	1.10e-03	-3.55e-03
120	2	0.23	-0.32	-0.16	1.32e-04	3.59e-06	3.42e-05
120	6	0.18	-0.42	-0.13	1.65e-04	8.72e-06	6.04e-05
120	10	0.16	-0.22	-0.11	8.95e-05	2.14e-06	2.27e-05
120	12	0.13	-0.28	-0.09	1.11e-04	5.56e-06	4.01e-05
120	14	0.11	-0.07	-0.10	2.88e-05	-1.28e-06	-2.82e-06
120	16	0.09	-0.09	-0.09	3.81e-05	0.0	5.95e-06
120	18	0.09	-0.05	-0.10	2.28e-05	0.0	-2.67e-06
120	27	2.33	8.52	-1.07	1.30e-03	5.16e-04	3.44e-03
120	28	3.81	4.05	-0.73	2.74e-03	9.08e-04	1.61e-03
120	38	1.81	-9.64	0.66	1.76e-03	4.70e-04	-4.01e-03
120	59	1.73	6.22	-0.80	9.54e-04	3.79e-04	2.52e-03
120	60	2.84	2.94	-0.56	2.01e-03	6.73e-04	1.19e-03
120	70	1.38	-7.08	0.46	1.31e-03	3.55e-04	-2.92e-03
120	91	1.54	5.50	-0.72	8.46e-04	3.35e-04	2.22e-03
120	92	2.52	2.59	-0.50	1.78e-03	5.96e-04	1.05e-03
120	102	1.24	-6.27	0.40	1.16e-03	3.15e-04	-2.58e-03
120	123	2.81	10.29	-1.27	1.56e-03	6.25e-04	4.13e-03
120	124	4.60	4.88	-0.86	3.30e-03	1.10e-03	1.92e-03
120	134	2.16	-11.62	0.82	2.13e-03	5.69e-04	-4.82e-03
121	2	1.34	-1.41	-0.25	1.41e-04	1.09e-04	1.55e-04
121	6	1.06	-1.77	-0.21	1.82e-04	9.61e-05	1.87e-04
121	10	0.92	-0.95	-0.18	9.44e-05	7.44e-05	1.03e-04
121	12	0.73	-1.19	-0.15	1.22e-04	6.57e-05	1.24e-04
121	14	0.58	-0.29	-0.17	2.45e-05	3.88e-05	2.77e-05
121	16	0.45	-0.39	-0.16	3.68e-05	3.19e-05	3.59e-05
121	18	0.45	-0.22	-0.16	1.85e-05	2.86e-05	1.85e-05
121	27	9.61	-7.76	-1.66	8.47e-04	3.37e-04	1.36e-03
121	28	16.18	-17.07	-1.14	1.61e-03	6.55e-04	5.38e-04
121	44	14.07	-20.54	0.40	1.62e-03	6.85e-04	-4.48e-04
121	59	7.16	-5.74	-1.26	6.48e-04	2.58e-04	1.01e-03
121	60	12.08	-12.70	-0.87	1.22e-03	5.00e-04	3.98e-04
121	76	10.57	-15.39	0.24	1.23e-03	5.24e-04	-3.36e-04
121	91	6.39	-5.10	-1.13	5.78e-04	2.32e-04	8.92e-04
121	92	10.75	-11.27	-0.79	1.08e-03	4.47e-04	3.54e-04
121	108	9.41	-13.67	0.20	1.09e-03	4.68e-04	-2.96e-04
121	123	11.55	-9.35	-1.98	9.92e-04	4.02e-04	1.64e-03
121	124	19.48	-20.61	-1.34	1.91e-03	7.87e-04	6.42e-04
121	140	16.91	-24.79	0.51	1.94e-03	8.22e-04	-5.37e-04
122	1	0.25	-0.70	-0.09	1.35e-04	6.54e-05	1.74e-05
122	2	0.86	-1.08	-1.27e-03	2.27e-04	1.95e-04	1.27e-05
122	6	0.69	-1.33	2.07e-03	2.64e-04	1.64e-04	2.84e-05
122	9	0.18	-0.48	-0.06	9.19e-05	4.65e-05	1.14e-05
122	10	0.59	-0.73	-8.36e-03	1.53e-04	1.33e-04	8.25e-06
122	12	0.48	-0.90	-6.13e-03	1.77e-04	1.12e-04	1.87e-05
122	13	0.18	-0.11	-0.09	2.78e-05	3.87e-05	-2.85e-06
122	14	0.38	-0.24	-0.06	5.84e-05	8.19e-05	-4.44e-06
122	16	0.30	-0.31	-0.07	6.75e-05	6.73e-05	0.0
122	17	0.18	-0.11	-0.09	2.78e-05	3.87e-05	-2.85e-06
122	18	0.30	-0.19	-0.08	4.61e-05	6.46e-05	-3.80e-06
122	28	9.59	-8.12	1.08	1.40e-03	1.62e-03	1.84e-03
122	48	8.58	-10.42	1.28	1.81e-03	1.51e-03	-1.44e-03
122	49	-7.98	10.04	-1.44	-1.72e-03	-1.39e-03	1.43e-03
122	60	7.16	-6.10	0.80	1.06e-03	1.22e-03	1.32e-03
122	80	6.45	-7.85	0.95	1.37e-03	1.15e-03	-1.04e-03
122	81	-5.85	7.48	-1.11	-1.28e-03	-1.02e-03	1.03e-03
122	92	6.38	-5.43	0.70	9.44e-04	1.09e-03	1.17e-03
122	112	5.75	-6.99	0.84	1.22e-03	1.02e-03	-9.16e-04
122	113	-5.15	6.61	-0.99	-1.13e-03	-8.95e-04	9.09e-04
122	124	11.54	-9.79	1.32	1.68e-03	1.94e-03	2.23e-03
122	144	10.32	-12.56	1.57	2.18e-03	1.82e-03	-1.74e-03
122	145	-9.72	12.19	-1.72	-2.09e-03	-1.69e-03	1.73e-03
123	2	0.23	-0.36	0.02	1.65e-04	1.40e-04	1.14e-05
123	6	0.18	-0.50	0.02	1.94e-04	1.14e-04	2.45e-05

123	8	0.16	-0.49	0.05	1.81e-04	9.83e-05	2.54e-05
123	9	0.05	-0.19	-0.03	7.37e-05	3.71e-05	9.90e-06
123	10	0.16	-0.24	6.06e-03	1.12e-04	9.65e-05	7.45e-06
123	12	0.13	-0.34	8.94e-03	1.31e-04	7.93e-05	1.62e-05
123	13	0.05	-0.03	-0.06	2.71e-05	3.62e-05	-2.05e-06
123	14	0.11	-0.05	-0.04	4.62e-05	6.59e-05	-3.27e-06
123	16	0.08	-0.10	-0.04	5.41e-05	5.43e-05	1.20e-06
123	17	0.05	-0.03	-0.06	2.71e-05	3.62e-05	-2.05e-06
123	18	0.08	-0.04	-0.04	3.85e-05	5.40e-05	-2.78e-06
123	28	3.80	-3.26	0.77	1.16e-03	1.37e-03	1.22e-03
123	48	3.34	-4.16	0.91	1.48e-03	1.23e-03	-9.40e-04
123	49	-3.18	4.08	-1.00	-1.41e-03	-1.12e-03	9.35e-04
123	60	2.83	-2.43	0.57	8.74e-04	1.03e-03	8.78e-04
123	80	2.50	-3.13	0.68	1.12e-03	9.25e-04	-6.77e-04
123	81	-2.33	3.04	-0.77	-1.04e-03	-8.17e-04	6.72e-04
123	92	2.51	-2.16	0.50	7.79e-04	9.16e-04	7.75e-04
123	112	2.22	-2.78	0.60	9.98e-04	8.26e-04	-5.98e-04
123	113	-2.05	2.69	-0.69	-9.21e-04	-7.18e-04	5.92e-04
123	124	4.58	-3.93	0.93	1.40e-03	1.65e-03	1.47e-03
123	144	4.03	-5.03	1.11	1.79e-03	1.48e-03	-1.14e-03
123	145	-3.86	4.94	-1.20	-1.71e-03	-1.37e-03	1.13e-03
124	1	0.36	-1.07	-0.13	3.04e-05	-2.91e-05	1.39e-05
124	2	1.33	-1.70	-0.05	2.59e-05	-1.07e-05	2.11e-05
124	6	1.05	-2.09	-0.05	5.28e-05	-3.81e-05	2.91e-05
124	9	0.26	-0.73	-0.10	1.99e-05	-1.90e-05	9.48e-06
124	10	0.91	-1.15	-0.05	1.69e-05	-6.70e-06	1.43e-05
124	12	0.73	-1.41	-0.04	3.48e-05	-2.50e-05	1.96e-05
124	13	0.25	-0.15	-0.13	-5.63e-06	2.93e-06	0.0
124	14	0.58	-0.36	-0.10	-7.12e-06	9.06e-06	1.74e-06
124	16	0.45	-0.47	-0.10	1.99e-06	0.0	4.16e-06
124	17	0.25	-0.15	-0.13	-5.63e-06	2.93e-06	0.0
124	18	0.45	-0.28	-0.11	-6.52e-06	6.61e-06	0.0
124	28	16.18	-13.76	1.15	2.01e-03	2.50e-03	1.70e-03
124	48	14.59	-17.66	1.37	2.49e-03	2.17e-03	-1.30e-03
124	49	-13.69	17.11	-1.60	-2.50e-03	-2.15e-03	1.30e-03
124	60	12.08	-10.33	0.84	1.49e-03	1.84e-03	1.23e-03
124	80	10.95	-13.31	1.01	1.86e-03	1.59e-03	-9.41e-04
124	81	-10.05	12.75	-1.24	-1.88e-03	-1.58e-03	9.43e-04
124	92	10.75	-9.19	0.73	1.32e-03	1.63e-03	1.09e-03
124	112	9.75	-11.84	0.88	1.65e-03	1.41e-03	-8.31e-04
124	113	-8.86	11.28	-1.11	-1.66e-03	-1.40e-03	8.32e-04
124	124	19.48	-16.59	1.41	2.43e-03	3.02e-03	2.06e-03
124	144	17.55	-21.31	1.68	3.01e-03	2.62e-03	-1.57e-03
124	145	-16.66	20.75	-1.91	-3.03e-03	-2.60e-03	1.57e-03
125	1	0.0	0.0	0.0	0.0	0.0	0.0
125	9	0.0	0.0	0.0	0.0	0.0	0.0
125	13	0.0	0.0	0.0	0.0	0.0	0.0
125	17	0.0	0.0	0.0	0.0	0.0	0.0
125	19	0.0	0.0	0.0	0.0	0.0	0.0
125	51	0.0	0.0	0.0	0.0	0.0	0.0
125	83	0.0	0.0	0.0	0.0	0.0	0.0
125	115	0.0	0.0	0.0	0.0	0.0	0.0
126	2	1.26	-1.66	-0.40	6.05e-05	1.14e-04	3.60e-05
126	6	1.04	-2.11	-0.36	7.00e-05	9.49e-05	8.42e-05
126	10	0.87	-1.12	-0.29	4.57e-05	7.84e-05	2.38e-05
126	12	0.72	-1.43	-0.26	5.20e-05	6.55e-05	5.60e-05
126	14	0.55	-0.34	-0.23	3.62e-05	4.78e-05	-7.97e-06
126	16	0.45	-0.47	-0.21	3.94e-05	3.87e-05	8.97e-06
126	18	0.44	-0.27	-0.21	3.62e-05	3.72e-05	-4.51e-06
126	28	21.29	-18.07	-0.35	1.03e-03	1.19e-03	-1.11e-03
126	48	19.72	-22.90	-0.39	1.26e-03	1.33e-03	5.12e-04
126	60	15.87	-13.52	-0.31	7.79e-04	9.14e-04	-8.18e-04
126	80	14.78	-17.22	-0.34	9.57e-04	1.04e-03	3.87e-04
126	92	14.10	-12.01	-0.30	6.95e-04	8.17e-04	-7.25e-04
126	112	13.15	-15.30	-0.32	8.53e-04	9.33e-04	3.42e-04
126	124	25.62	-21.80	-0.38	1.24e-03	1.41e-03	-1.32e-03
126	144	23.73	-27.65	-0.42	1.52e-03	1.58e-03	6.05e-04
127	2	1.35	-1.76	-0.48	1.78e-06	1.46e-04	4.35e-05
127	6	1.46	-2.21	-0.47	3.60e-05	1.62e-04	9.50e-05
127	10	0.92	-1.20	-0.35	1.10e-05	9.00e-05	2.82e-05
127	12	0.99	-1.50	-0.34	3.38e-05	1.01e-04	6.26e-05
127	14	0.40	-0.42	-0.33	2.74e-05	0.0	-7.26e-06
127	16	0.42	-0.55	-0.32	4.15e-05	1.06e-06	1.07e-05
127	18	0.32	-0.35	-0.32	3.80e-05	-1.60e-05	-3.89e-06
127	24	19.70	-18.61	-0.26	2.47e-03	2.57e-03	-2.05e-03

127	26	-10.80	6.64	-0.43	-9.48e-04	-1.45e-03	9.47e-04
127	48	17.87	-23.01	-0.37	1.90e-03	2.49e-03	-2.41e-03
127	56	14.73	-14.03	-0.27	1.86e-03	1.92e-03	-1.55e-03
127	58	-7.86	4.87	-0.40	-6.99e-04	-1.08e-03	7.14e-04
127	80	13.56	-17.32	-0.36	1.44e-03	1.87e-03	-1.82e-03
127	88	13.09	-12.48	-0.28	1.65e-03	1.70e-03	-1.38e-03
127	90	-6.92	4.28	-0.39	-6.16e-04	-9.57e-04	6.34e-04
127	112	12.07	-15.40	-0.35	1.29e-03	1.66e-03	-1.62e-03
127	120	23.65	-22.41	-0.24	2.97e-03	3.09e-03	-2.45e-03
127	122	-13.05	8.07	-0.45	-1.15e-03	-1.74e-03	1.13e-03
127	144	21.43	-27.77	-0.38	2.29e-03	2.99e-03	-2.88e-03
128	2	0.33	-0.69	-0.21	1.62e-04	4.02e-04	9.53e-05
128	6	0.27	-0.87	-0.17	1.98e-04	3.16e-04	1.22e-04
128	10	0.23	-0.47	-0.15	1.09e-04	2.77e-04	6.42e-05
128	12	0.18	-0.59	-0.12	1.33e-04	2.20e-04	8.18e-05
128	14	0.15	-0.15	-0.14	3.59e-05	1.76e-04	1.63e-05
128	16	0.12	-0.20	-0.13	4.60e-05	1.37e-04	2.40e-05
128	18	0.12	-0.12	-0.13	2.81e-05	1.36e-04	1.18e-05
128	27	4.97	-6.78	-1.38	8.13e-04	9.79e-04	4.30e-03
128	28	8.27	-14.26	-0.94	1.78e-03	1.60e-03	1.98e-03
128	36	7.27	-15.99	0.34	2.03e-03	1.47e-03	-2.66e-03
128	59	3.67	-4.97	-1.04	6.03e-04	7.54e-04	3.15e-03
128	60	6.14	-10.48	-0.72	1.33e-03	1.22e-03	1.45e-03
128	68	5.45	-11.79	0.21	1.52e-03	1.13e-03	-1.93e-03
128	91	3.26	-4.41	-0.93	5.37e-04	6.83e-04	2.78e-03
128	92	5.45	-9.29	-0.65	1.18e-03	1.10e-03	1.29e-03
128	100	4.84	-10.45	0.17	1.35e-03	1.02e-03	-1.70e-03
128	123	5.99	-8.15	-1.64	9.80e-04	1.16e-03	5.17e-03
128	124	9.98	-17.19	-1.11	2.15e-03	1.90e-03	2.36e-03
128	132	8.75	-19.29	0.43	2.45e-03	1.74e-03	-3.23e-03
129	2	1.94	-0.55	-0.30	1.34e-04	4.52e-04	0.0
129	6	1.47	-0.68	-0.25	1.65e-04	3.31e-04	0.0
129	10	1.34	-0.38	-0.21	9.10e-05	3.13e-04	0.0
129	12	1.02	-0.46	-0.18	1.12e-04	2.32e-04	0.0
129	14	0.88	-0.13	-0.16	3.07e-05	2.12e-04	0.0
129	16	0.67	-0.17	-0.13	3.94e-05	1.60e-04	0.0
129	18	0.69	-0.11	-0.13	2.45e-05	1.65e-04	0.0
129	28	7.20	-20.14	-0.12	1.74e-03	2.58e-03	0.0
129	29	-5.83	19.93	-0.14	-1.69e-03	-2.25e-03	0.0
129	36	5.18	-23.30	-0.12	2.04e-03	2.04e-03	0.0
129	60	5.48	-14.78	-0.12	1.30e-03	1.93e-03	0.0
129	61	-4.11	14.57	-0.14	-1.25e-03	-1.60e-03	0.0
129	68	4.00	-17.11	-0.12	1.53e-03	1.55e-03	0.0
129	92	4.93	-13.08	-0.12	1.15e-03	1.73e-03	0.0
129	93	-3.56	12.87	-0.14	-1.11e-03	-1.40e-03	0.0
129	100	3.62	-15.15	-0.13	1.36e-03	1.39e-03	0.0
129	124	8.54	-24.26	-0.12	2.10e-03	3.08e-03	0.0
129	125	-7.17	24.05	-0.15	-2.05e-03	-2.75e-03	0.0
129	132	6.10	-28.09	-0.12	2.46e-03	2.42e-03	0.0
130	1	0.80	-0.90	-0.18	9.81e-05	1.64e-05	5.33e-05
130	6	1.55	-1.84	-0.17	1.87e-04	7.93e-05	8.52e-05
130	9	0.56	-0.63	-0.13	6.90e-05	8.12e-06	3.43e-05
130	12	1.06	-1.26	-0.12	1.29e-04	5.01e-05	5.56e-05
130	13	0.27	-0.23	-0.13	2.88e-05	-1.67e-05	-1.21e-05
130	16	0.49	-0.52	-0.13	5.62e-05	2.42e-06	0.0
130	17	0.27	-0.23	-0.13	2.88e-05	-1.67e-05	-1.21e-05
130	18	0.39	-0.39	-0.13	4.28e-05	-5.87e-06	-1.63e-05
130	24	19.72	-23.56	0.01	1.58e-03	1.30e-03	1.12e-03
130	25	-18.93	22.79	-0.27	-1.50e-03	-1.31e-03	-1.16e-03
130	40	16.72	-28.88	-0.02	1.99e-03	1.15e-03	4.17e-04
130	56	14.77	-17.85	-0.02	1.21e-03	9.69e-04	8.40e-04
130	57	-13.98	17.08	-0.23	-1.12e-03	-9.81e-04	-8.73e-04
130	72	12.66	-21.90	-0.05	1.52e-03	8.65e-04	3.15e-04
130	88	13.14	-15.89	-0.04	1.08e-03	8.58e-04	7.43e-04
130	89	-12.35	15.12	-0.22	-9.90e-04	-8.70e-04	-7.76e-04
130	104	11.28	-19.49	-0.06	1.35e-03	7.67e-04	2.78e-04
130	120	23.66	-28.33	0.04	1.90e-03	1.56e-03	1.35e-03
130	121	-22.87	27.56	-0.30	-1.82e-03	-1.58e-03	-1.39e-03
130	136	20.04	-34.76	1.77e-03	2.38e-03	1.39e-03	5.04e-04
131	2	0.78	-0.20	-0.02	1.10e-04	3.86e-04	0.0
131	5	0.19	-0.20	-0.02	1.12e-04	9.26e-05	0.0
131	6	0.61	-0.25	-0.02	1.37e-04	2.96e-04	0.0
131	10	0.54	-0.13	-0.01	7.45e-05	2.67e-04	0.0
131	11	0.15	-0.14	-0.02	7.58e-05	7.07e-05	0.0
131	12	0.42	-0.17	-0.02	9.28e-05	2.06e-04	0.0

131	14	0.35	-0.04	-0.02	2.39e-05	1.73e-04	0.0
131	15	0.15	-0.04	-0.02	2.46e-05	7.47e-05	0.0
131	16	0.27	-0.06	-0.02	3.19e-05	1.33e-04	0.0
131	17	0.15	-0.02	-0.02	1.18e-05	7.57e-05	0.0
131	18	0.27	-0.03	-0.02	1.91e-05	1.34e-04	0.0
131	29	-1.31	-2.64	-0.02	-2.64e-03	-7.78e-04	0.0
131	31	1.86	5.17	-0.01	1.38e-03	8.08e-04	0.0
131	38	0.56	-6.07	-0.01	1.68e-03	3.75e-04	0.0
131	61	-0.92	-1.94	-0.02	-1.93e-03	-5.45e-04	0.0
131	63	1.46	3.78	-0.01	1.01e-03	6.39e-04	0.0
131	70	0.47	-4.46	-0.01	1.24e-03	3.09e-04	0.0
131	93	-0.79	-1.72	-0.02	-1.70e-03	-4.68e-04	0.0
131	95	1.33	3.34	-0.01	8.92e-04	5.82e-04	0.0
131	102	0.45	-3.95	-0.01	1.10e-03	2.89e-04	0.0
131	125	-1.61	-3.17	-0.03	-3.19e-03	-9.58e-04	0.0
131	127	2.16	6.24	-0.01	1.65e-03	9.39e-04	0.0
131	134	0.63	-7.31	-0.01	2.03e-03	4.28e-04	0.0
132	6	1.63	-1.55	-0.35	3.23e-04	2.72e-04	1.93e-04
132	12	1.12	-1.07	-0.25	2.19e-04	1.84e-04	1.32e-04
132	14	0.53	-0.56	-0.21	9.94e-05	8.22e-05	1.64e-05
132	16	0.55	-0.54	-0.21	9.93e-05	8.38e-05	2.30e-05
132	18	0.45	-0.46	-0.20	7.93e-05	6.65e-05	2.68e-06
132	24	19.81	-16.58	-1.41	2.97e-03	2.68e-03	3.55e-03
132	36	17.61	-21.16	-1.60	3.50e-03	2.37e-03	4.03e-03
132	40	16.81	-21.40	-1.59	3.51e-03	2.35e-03	3.97e-03
132	56	14.85	-12.59	-1.11	2.25e-03	2.02e-03	2.69e-03
132	68	13.30	-16.09	-1.26	2.66e-03	1.79e-03	3.06e-03
132	72	12.74	-16.29	-1.25	2.68e-03	1.78e-03	3.01e-03
132	88	13.21	-11.23	-1.01	2.00e-03	1.80e-03	2.39e-03
132	100	11.85	-14.33	-1.14	2.37e-03	1.60e-03	2.72e-03
132	104	11.35	-14.52	-1.14	2.39e-03	1.59e-03	2.67e-03
132	120	23.75	-19.88	-1.66	3.56e-03	3.21e-03	4.28e-03
132	132	21.13	-25.43	-1.89	4.20e-03	2.84e-03	4.87e-03
132	136	20.13	-25.71	-1.88	4.21e-03	2.80e-03	4.80e-03
133	2	-0.46	-0.15	-0.18	8.42e-05	5.01e-04	2.98e-05
133	6	-0.36	-0.18	-0.15	1.03e-04	3.91e-04	4.20e-05
133	10	-0.32	-0.10	-0.13	5.71e-05	3.46e-04	1.99e-05
133	12	-0.25	-0.12	-0.11	7.00e-05	2.73e-04	2.81e-05
133	14	-0.20	-0.04	-0.10	2.02e-05	2.26e-04	2.65e-06
133	16	-0.16	-0.04	-0.09	2.57e-05	1.77e-04	6.45e-06
133	18	-0.15	-0.03	-0.09	1.64e-05	1.77e-04	1.58e-06
133	28	2.82	3.89	-0.15	4.00e-03	1.06e-03	-6.91e-04
133	29	-3.13	-3.95	-0.02	-3.97e-03	-7.04e-04	6.94e-04
133	38	1.20	-9.62	-0.12	2.56e-03	5.89e-04	-5.24e-04
133	60	2.04	2.84	-0.14	2.94e-03	8.28e-04	-5.12e-04
133	61	-2.35	-2.90	-0.04	-2.90e-03	-4.73e-04	5.15e-04
133	70	0.86	-7.05	-0.11	1.88e-03	4.87e-04	-3.82e-04
133	92	1.78	2.51	-0.13	2.60e-03	7.53e-04	-4.53e-04
133	93	-2.09	-2.57	-0.05	-2.57e-03	-3.98e-04	4.57e-04
133	102	0.75	-6.23	-0.11	1.66e-03	4.52e-04	-3.38e-04
133	124	3.44	4.67	-0.17	4.82e-03	1.24e-03	-8.26e-04
133	125	-3.75	-4.72	-8.20e-03	-4.79e-03	-8.88e-04	8.30e-04
133	134	1.48	-11.59	-0.12	3.09e-03	6.74e-04	-6.37e-04
134	6	0.65	-1.48	-0.20	7.78e-05	9.22e-05	1.56e-04
134	12	0.45	-1.02	-0.14	4.89e-05	6.38e-05	1.06e-04
134	14	0.42	-0.51	-0.14	0.0	5.12e-05	0.0
134	16	0.42	-0.48	-0.14	1.22e-06	4.97e-05	1.52e-05
134	18	0.42	-0.40	-0.14	-6.81e-06	4.78e-05	-4.66e-06
134	19	5.68	-6.68	-0.35	4.68e-04	7.06e-04	1.01e-03
134	24	4.19	-16.49	-0.44	1.15e-03	1.05e-03	1.81e-03
134	40	-1.08	-21.31	-0.34	1.40e-03	8.40e-04	1.43e-03
134	51	4.33	-5.10	-0.30	3.47e-04	5.34e-04	7.61e-04
134	56	3.23	-12.52	-0.36	8.62e-04	7.90e-04	1.36e-03
134	72	-0.65	-16.20	-0.29	1.06e-03	6.36e-04	1.08e-03
134	83	3.88	-4.57	-0.28	3.07e-04	4.78e-04	6.75e-04
134	88	2.91	-11.15	-0.34	7.64e-04	7.05e-04	1.21e-03
134	104	-0.52	-14.44	-0.28	9.38e-04	5.69e-04	9.59e-04
134	115	6.70	-7.95	-0.39	5.63e-04	8.36e-04	1.21e-03
134	120	4.92	-19.79	-0.50	1.38e-03	1.25e-03	2.17e-03
134	136	-1.38	-25.61	-0.38	1.69e-03	9.98e-04	1.71e-03
135	2	1.95	-0.69	-0.03	1.51e-04	1.45e-04	0.0
135	5	0.43	-0.71	-0.04	1.55e-04	7.71e-06	0.0
135	6	1.47	-0.87	-0.04	1.90e-04	9.29e-05	0.0
135	10	1.35	-0.47	-0.03	1.02e-04	1.01e-04	0.0
135	11	0.34	-0.48	-0.03	1.04e-04	9.16e-06	0.0

135	12	1.03	-0.59	-0.03	1.28e-04	6.60e-05	0.0
135	14	0.89	-0.15	-0.03	3.07e-05	7.57e-05	0.0
135	15	0.38	-0.15	-0.03	3.19e-05	2.99e-05	0.0
135	16	0.68	-0.20	-0.03	4.20e-05	5.43e-05	0.0
135	17	0.39	-0.07	-0.03	1.38e-05	3.51e-05	0.0
135	18	0.69	-0.12	-0.03	2.39e-05	5.95e-05	0.0
135	28	7.22	-14.26	-0.01	1.77e-03	2.17e-03	0.0
135	29	-5.85	14.03	-0.05	-1.72e-03	-2.05e-03	0.0
135	36	5.19	-15.99	-0.02	2.02e-03	1.77e-03	0.0
135	60	5.50	-10.48	-0.02	1.32e-03	1.61e-03	0.0
135	61	-4.13	10.25	-0.04	-1.27e-03	-1.49e-03	0.0
135	68	4.01	-11.80	-0.02	1.51e-03	1.32e-03	0.0
135	92	4.95	-9.29	-0.02	1.17e-03	1.43e-03	0.0
135	93	-3.57	9.05	-0.04	-1.12e-03	-1.31e-03	0.0
135	100	3.63	-10.45	-0.02	1.35e-03	1.18e-03	0.0
135	124	8.56	-17.19	-0.01	2.14e-03	2.62e-03	0.0
135	125	-7.19	16.96	-0.05	-2.09e-03	-2.50e-03	0.0
135	132	6.12	-19.29	-0.01	2.44e-03	2.12e-03	0.0
136	2	0.19	-0.19	-0.12	1.07e-04	6.73e-05	2.53e-05
136	6	0.14	-0.24	-0.10	1.36e-04	5.39e-05	4.47e-05
136	10	0.13	-0.13	-0.08	7.22e-05	4.62e-05	1.68e-05
136	12	0.10	-0.16	-0.07	9.15e-05	3.72e-05	2.97e-05
136	14	0.09	-0.04	-0.08	2.20e-05	2.88e-05	-2.08e-06
136	16	0.07	-0.05	-0.07	3.06e-05	2.27e-05	4.40e-06
136	18	0.07	-0.03	-0.07	1.76e-05	2.23e-05	-1.97e-06
136	27	1.63	5.42	-0.81	-2.67e-03	6.84e-04	2.54e-03
136	28	2.62	2.59	-0.55	-1.26e-03	1.14e-03	1.19e-03
136	38	1.21	-6.11	0.50	3.02e-03	5.58e-04	-2.96e-03
136	59	1.21	3.95	-0.61	-1.95e-03	5.07e-04	1.86e-03
136	60	1.95	1.88	-0.42	-9.17e-04	8.49e-04	8.77e-04
136	70	0.93	-4.48	0.35	2.22e-03	4.26e-04	-2.16e-03
136	91	1.08	3.49	-0.55	-1.72e-03	4.51e-04	1.65e-03
136	92	1.73	1.66	-0.38	-8.09e-04	7.54e-04	7.76e-04
136	102	0.83	-3.97	0.30	1.97e-03	3.80e-04	-1.91e-03
136	124	3.15	3.12	-0.65	-1.53e-03	1.38e-03	1.42e-03
136	127	1.98	6.27	-0.96	-3.11e-03	8.36e-04	2.72e-03
136	134	1.44	-7.37	0.62	3.65e-03	6.69e-04	-3.57e-03
137	2	1.28	-1.37	-0.47	1.99e-04	-5.89e-05	-7.64e-05
137	6	0.95	-1.38	-0.45	2.14e-04	-8.67e-05	-5.30e-06
137	10	0.89	-0.93	-0.34	1.26e-04	-2.90e-05	-5.42e-05
137	12	0.67	-0.94	-0.33	1.36e-04	-4.75e-05	-6.81e-06
137	14	0.66	-0.43	-0.33	1.65e-05	3.93e-05	-3.33e-05
137	18	0.54	-0.32	-0.32	-3.35e-06	4.78e-05	-1.39e-05
137	19	11.32	-6.62	-0.42	1.23e-03	2.06e-03	-2.62e-03
137	28	21.81	-17.77	-0.38	2.93e-03	3.28e-03	-1.92e-03
137	40	20.20	-21.26	-0.28	3.41e-03	2.95e-03	9.66e-04
137	51	8.40	-5.03	-0.39	9.10e-04	1.51e-03	-1.90e-03
137	60	16.23	-13.53	-0.36	2.22e-03	2.42e-03	-1.40e-03
137	72	15.18	-16.15	-0.29	2.58e-03	2.19e-03	6.97e-04
137	83	7.49	-4.50	-0.38	8.05e-04	1.34e-03	-1.68e-03
137	92	14.43	-12.05	-0.36	1.97e-03	2.15e-03	-1.24e-03
137	104	13.51	-14.38	-0.29	2.29e-03	1.95e-03	6.14e-04
137	115	13.53	-7.89	-0.44	1.47e-03	2.47e-03	-3.16e-03
137	124	26.27	-21.31	-0.39	3.52e-03	3.96e-03	-2.32e-03
137	136	24.30	-25.57	-0.27	4.10e-03	3.55e-03	1.17e-03
138	2	-0.54	-0.02	-0.26	-1.80e-03	4.80e-04	6.08e-04
138	10	-0.38	-0.01	-0.18	-1.25e-03	3.31e-04	4.21e-04
138	14	-0.24	-8.60e-03	-0.12	-8.03e-04	2.05e-04	2.73e-04
138	18	-0.18	-6.74e-03	-0.09	-6.27e-04	1.55e-04	2.14e-04
138	29	-3.01	1.84	-0.19	-1.44e-03	-2.81e-04	-1.38e-03
138	38	1.10	-7.75	-0.05	-2.85e-04	3.65e-04	9.56e-04
138	61	-2.27	1.53	-0.17	-1.22e-03	-1.68e-04	-9.66e-04
138	70	0.78	-6.29	-0.06	-3.71e-04	3.13e-04	7.72e-04
138	93	-2.03	1.36	-0.16	-1.16e-03	-1.31e-04	-8.31e-04
138	102	0.67	-5.60	-0.06	-4.00e-04	2.95e-04	7.09e-04
138	125	-3.61	2.06	-0.22	-1.60e-03	-3.73e-04	-1.72e-03
138	134	1.37	-8.75	-0.04	-2.13e-04	4.08e-04	1.11e-03
139	2	3.45	-0.52	-0.96	-2.79e-06	-9.34e-04	-8.79e-04
139	10	2.39	-0.36	-0.67	0.0	-6.44e-04	-6.08e-04
139	14	1.54	-0.19	-0.57	7.02e-06	-3.91e-04	-4.06e-04
139	18	1.20	-0.15	-0.53	9.34e-06	-2.93e-04	-3.14e-04
139	27	7.50	-3.02	-0.65	2.90e-05	1.43e-04	-2.17e-03
139	28	11.11	-7.41	-0.61	1.97e-05	1.55e-06	-1.76e-03
139	40	9.64	-8.99	-0.49	-1.77e-06	-4.20e-04	-1.34e-04
139	59	5.80	-2.33	-0.61	2.38e-05	2.71e-05	-1.70e-03

139	60	8.49	-5.65	-0.58	1.70e-05	-7.65e-05	-1.40e-03
139	72	7.46	-6.83	-0.50	1.20e-06	-3.85e-04	-1.93e-04
139	91	5.27	-2.09	-0.60	2.22e-05	-9.78e-06	-1.54e-03
139	92	7.65	-5.03	-0.58	1.61e-05	-1.01e-04	-1.28e-03
139	104	6.74	-6.08	-0.50	2.14e-06	-3.75e-04	-2.09e-04
139	123	8.82	-3.59	-0.67	3.29e-05	2.33e-04	-2.52e-03
139	124	13.18	-8.88	-0.62	2.16e-05	6.15e-05	-2.03e-03
139	136	11.40	-10.80	-0.48	-4.08e-06	-4.46e-04	-8.88e-05
140	2	1.18	-1.53	-0.40	1.46e-04	3.69e-05	2.55e-05
140	6	0.85	-1.87	-0.35	1.75e-04	2.23e-05	7.42e-05
140	10	0.82	-1.03	-0.29	9.85e-05	3.01e-05	1.58e-05
140	12	0.60	-1.26	-0.25	1.18e-04	2.04e-05	4.83e-05
140	14	0.58	-0.35	-0.23	3.15e-05	4.09e-05	-1.84e-05
140	16	0.44	-0.44	-0.21	3.94e-05	3.59e-05	-1.33e-06
140	18	0.46	-0.27	-0.21	2.36e-05	4.01e-05	-1.53e-05
140	28	21.70	-16.97	-0.40	1.67e-03	1.30e-03	-1.09e-03
140	44	18.68	-21.23	-0.36	-4.06e-04	1.13e-03	1.01e-03
140	60	16.13	-12.81	-0.35	1.26e-03	9.67e-04	-8.11e-04
140	76	13.94	-16.03	-0.32	-3.02e-04	8.44e-04	7.50e-04
140	92	14.33	-11.40	-0.33	1.12e-03	8.60e-04	-7.19e-04
140	108	12.40	-14.26	-0.31	-2.65e-04	7.51e-04	6.63e-04
140	124	26.15	-20.40	-0.44	1.95e-03	1.56e-03	-1.29e-03
140	140	22.49	-25.58	-0.40	-5.12e-04	1.36e-03	1.21e-03
141	2	1.28	1.98	-2.14	-2.12e-03	8.42e-04	4.16e-05
141	10	0.88	1.37	-1.49	-1.46e-03	5.82e-04	2.64e-05
141	14	0.57	0.98	-0.98	-9.65e-04	3.76e-04	-3.02e-06
141	18	0.44	0.76	-0.77	-7.66e-04	2.94e-04	-5.67e-06
141	28	9.67	-16.68	-2.54	5.51e-04	8.04e-04	-6.16e-03
141	37	-7.66	53.06	0.86	-0.03	-1.67e-04	7.28e-03
141	60	7.26	-10.35	-2.08	-4.71e-04	6.71e-04	-4.44e-03
141	69	-5.60	33.58	0.45	-0.02	-5.01e-05	5.09e-03
141	92	6.48	-8.94	-1.93	-5.57e-04	6.28e-04	-3.92e-03
141	101	-4.91	29.36	0.31	-0.02	-1.11e-05	4.48e-03
141	124	11.61	-21.26	-2.91	1.21e-03	9.11e-04	-7.44e-03
141	133	-9.34	67.04	1.20	-0.03	-2.62e-04	8.90e-03
142	1	0.21	-1.07	-0.16	-3.05e-05	-1.05e-04	1.39e-05
142	2	1.11	-1.59	-0.08	-1.14e-04	-1.71e-04	2.11e-05
142	6	0.77	-2.04	-0.08	-8.04e-05	-1.99e-04	2.91e-05
142	9	0.16	-0.72	-0.12	-2.11e-05	-7.00e-05	9.48e-06
142	10	0.76	-1.07	-0.07	-7.70e-05	-1.14e-04	1.43e-05
142	12	0.54	-1.37	-0.06	-5.44e-05	-1.33e-04	1.96e-05
142	13	0.23	-0.11	-0.15	-2.98e-05	-2.25e-05	0.0
142	14	0.53	-0.28	-0.12	-5.78e-05	-4.47e-05	1.73e-06
142	16	0.38	-0.42	-0.13	-4.37e-05	-5.16e-05	4.15e-06
142	17	0.23	-0.11	-0.15	-2.98e-05	-2.25e-05	0.0
142	18	0.41	-0.21	-0.14	-4.66e-05	-3.58e-05	0.0
142	28	21.67	-18.04	1.13	-1.20e-03	3.19e-03	1.70e-03
142	48	19.18	-22.87	1.35	1.83e-03	-1.23e-03	-1.30e-03
142	49	-18.37	22.45	-1.62	-1.93e-03	1.16e-03	1.30e-03
142	60	16.10	-13.48	0.82	-8.82e-04	2.33e-03	1.23e-03
142	80	14.29	-17.19	0.99	1.37e-03	-9.09e-04	-9.41e-04
142	81	-13.48	16.76	-1.26	-1.47e-03	8.38e-04	9.43e-04
142	92	14.30	-11.97	0.71	-7.84e-04	2.06e-03	1.08e-03
142	112	12.70	-15.27	0.87	1.21e-03	-8.08e-04	-8.30e-04
142	113	-11.89	14.84	-1.14	-1.31e-03	7.36e-04	8.32e-04
142	124	26.14	-21.77	1.40	-1.44e-03	3.86e-03	2.06e-03
142	144	23.12	-27.62	1.67	2.22e-03	-1.48e-03	-1.57e-03
142	145	-22.30	27.20	-1.94	-2.32e-03	1.41e-03	1.57e-03
143	2	1.33	-1.58	-2.40	9.77e-05	6.41e-05	4.74e-05
143	6	1.22	-1.82	-2.39	1.19e-04	5.87e-05	1.92e-04
143	10	0.92	-1.08	-1.84	6.68e-05	4.47e-05	2.92e-05
143	12	0.84	-1.24	-1.83	8.09e-05	4.11e-05	1.26e-04
143	14	0.54	-0.43	-1.83	2.26e-05	2.28e-05	-5.48e-05
143	16	0.47	-0.48	-1.83	2.84e-05	1.95e-05	-3.20e-06
143	18	0.43	-0.34	-1.83	1.77e-05	1.70e-05	-4.19e-05
143	20	19.85	-17.54	-1.85	2.13e-03	2.89e-03	-2.43e-03
143	43	-8.49	13.14	-1.87	-1.61e-03	-1.20e-03	-4.38e-03
143	44	18.53	-21.08	-1.81	2.55e-03	2.61e-03	3.25e-03
143	52	14.80	-13.26	-1.85	1.60e-03	2.15e-03	-1.87e-03
143	55	8.68	-5.54	-1.86	6.73e-04	1.28e-03	-2.23e-03
143	76	13.93	-15.95	-1.81	1.93e-03	1.95e-03	2.40e-03
143	84	13.16	-11.80	-1.85	1.43e-03	1.91e-03	-1.67e-03
143	87	7.73	-4.95	-1.86	5.99e-04	1.14e-03	-1.99e-03
143	108	12.40	-14.19	-1.82	1.71e-03	1.73e-03	2.12e-03
143	116	23.83	-21.10	-1.86	2.55e-03	3.48e-03	-2.85e-03

143	139	-10.36	15.96	-1.88	-1.95e-03	-1.45e-03	-5.18e-03
143	140	22.28	-25.40	-1.80	3.07e-03	3.14e-03	3.87e-03
144	2	0.55	-1.14	-0.11	1.47e-04	1.23e-04	0.0
144	6	0.54	-1.37	-0.11	1.64e-04	1.23e-04	3.26e-05
144	10	0.38	-0.77	-0.08	1.00e-04	8.57e-05	0.0
144	12	0.37	-0.93	-0.08	1.12e-04	8.56e-05	2.13e-05
144	14	0.21	-0.27	-0.08	5.67e-05	4.80e-05	-1.33e-05
144	16	0.20	-0.33	-0.08	6.13e-05	4.59e-05	-1.70e-06
144	18	0.17	-0.21	-0.08	5.13e-05	4.00e-05	-9.38e-06
144	24	12.99	-8.38	-0.03	8.19e-04	1.61e-03	-2.87e-03
144	48	10.83	-10.41	-0.02	1.01e-03	1.52e-03	-2.31e-03
144	49	-10.48	9.99	-0.14	-9.07e-04	-1.44e-03	2.29e-03
144	56	9.64	-6.32	-0.04	6.27e-04	1.21e-03	-2.09e-03
144	80	8.15	-7.85	-0.04	7.70e-04	1.15e-03	-1.70e-03
144	81	-7.80	7.43	-0.13	-6.67e-04	-1.07e-03	1.68e-03
144	88	8.55	-5.63	-0.05	5.62e-04	1.08e-03	-1.85e-03
144	112	7.25	-6.99	-0.04	6.88e-04	1.03e-03	-1.50e-03
144	113	-6.90	6.57	-0.12	-5.86e-04	-9.45e-04	1.49e-03
144	120	15.64	-10.08	-0.02	9.79e-04	1.93e-03	-3.46e-03
144	144	13.03	-12.55	-7.20e-03	1.21e-03	1.82e-03	-2.78e-03
144	145	-12.68	12.13	-0.16	-1.11e-03	-1.74e-03	2.76e-03
145	2	0.18	-0.36	-0.07	1.25e-04	7.80e-05	6.43e-06
145	6	0.18	-0.49	-0.07	1.44e-04	7.64e-05	1.89e-05
145	10	0.13	-0.24	-0.05	8.43e-05	5.39e-05	3.94e-06
145	12	0.12	-0.33	-0.05	9.70e-05	5.28e-05	1.22e-05
145	14	0.07	-0.06	-0.05	4.14e-05	2.99e-05	-3.80e-06
145	16	0.07	-0.10	-0.05	4.66e-05	2.81e-05	0.0
145	18	0.06	-0.05	-0.05	3.64e-05	2.46e-05	-2.81e-06
145	20	6.08	-3.21	-0.02	6.73e-04	2.09e-03	-1.76e-03
145	48	4.82	-4.17	-0.01	8.67e-04	1.71e-03	-1.33e-03
145	49	-4.70	4.08	-0.09	-7.94e-04	-1.66e-03	1.33e-03
145	52	4.49	-2.41	-0.03	5.12e-04	1.54e-03	-1.28e-03
145	80	3.62	-3.13	-0.02	6.59e-04	1.28e-03	-9.86e-04
145	81	-3.50	3.04	-0.08	-5.86e-04	-1.23e-03	9.80e-04
145	84	3.98	-2.14	-0.03	4.59e-04	1.37e-03	-1.13e-03
145	112	3.21	-2.78	-0.03	5.88e-04	1.14e-03	-8.72e-04
145	113	-3.10	2.69	-0.08	-5.15e-04	-1.09e-03	8.67e-04
145	116	7.32	-3.86	-0.01	8.05e-04	2.51e-03	-2.13e-03
145	144	5.80	-5.03	-2.62e-03	1.04e-03	2.06e-03	-1.60e-03
145	145	-5.69	4.94	-0.10	-9.68e-04	-2.01e-03	1.60e-03
146	2	1.04	-1.71	-0.13	1.65e-04	1.31e-04	1.24e-05
146	6	1.04	-2.10	-0.13	1.61e-04	1.32e-04	6.69e-05
146	10	0.72	-1.15	-0.09	1.12e-04	8.69e-05	9.26e-06
146	12	0.72	-1.41	-0.09	1.09e-04	8.78e-05	4.56e-05
146	14	0.40	-0.37	-0.10	1.11e-04	3.37e-05	-1.31e-05
146	16	0.38	-0.47	-0.09	1.09e-04	3.14e-05	6.74e-06
146	18	0.34	-0.28	-0.09	1.10e-04	2.28e-05	-6.36e-06
146	24	17.45	-14.26	-0.04	-1.05e-04	1.48e-03	-9.13e-04
146	48	15.46	-17.75	-0.03	-1.57e-04	1.64e-03	7.43e-04
146	49	-14.79	17.19	-0.16	3.76e-04	-1.59e-03	-7.56e-04
146	56	13.01	-10.75	-0.06	-5.23e-05	1.12e-03	-6.63e-04
146	80	11.68	-13.38	-0.05	-9.06e-05	1.25e-03	5.38e-04
146	81	-11.01	12.81	-0.14	3.10e-04	-1.20e-03	-5.51e-04
146	88	11.56	-9.57	-0.06	-3.41e-05	9.98e-04	-5.86e-04
146	112	10.40	-11.90	-0.05	-6.80e-05	1.11e-03	4.75e-04
146	113	-9.73	11.33	-0.14	2.87e-04	-1.07e-03	-4.87e-04
146	120	20.97	-17.17	-0.03	-1.50e-04	1.77e-03	-1.10e-03
146	144	18.58	-21.41	-0.02	-2.12e-04	1.96e-03	8.95e-04
146	145	-17.91	20.85	-0.17	4.31e-04	-1.91e-03	-9.07e-04
147	2	0.32	-0.55	-0.35	1.34e-04	3.77e-04	7.36e-05
147	6	0.26	-0.68	-0.30	1.66e-04	2.96e-04	1.01e-04
147	10	0.22	-0.38	-0.25	9.10e-05	2.59e-04	4.89e-05
147	12	0.18	-0.46	-0.22	1.12e-04	2.06e-04	6.74e-05
147	14	0.15	-0.13	-0.19	3.06e-05	1.65e-04	6.55e-06
147	16	0.12	-0.17	-0.17	3.97e-05	1.29e-04	1.51e-05
147	18	0.12	-0.11	-0.17	2.45e-05	1.28e-04	3.52e-06
147	28	8.29	-20.13	-0.31	1.72e-03	1.75e-03	-9.08e-04
147	36	7.28	-23.29	-0.29	2.01e-03	1.61e-03	-1.41e-03
147	60	6.15	-14.77	-0.27	1.29e-03	1.33e-03	-6.77e-04
147	68	5.46	-17.10	-0.26	1.51e-03	1.23e-03	-1.03e-03
147	92	5.46	-13.08	-0.26	1.14e-03	1.19e-03	-6.00e-04
147	100	4.85	-15.14	-0.25	1.34e-03	1.11e-03	-9.14e-04
147	124	10.00	-24.25	-0.33	2.08e-03	2.09e-03	-1.09e-03
147	132	8.77	-28.08	-0.31	2.42e-03	1.91e-03	-1.69e-03
148	2	-0.48	-0.02	-0.08	9.80e-06	-1.63e-04	0.0

148	10	-0.33	-0.01	-0.05	6.76e-06	-1.13e-04	0.0
148	14	-0.21	-8.60e-03	-0.04	3.96e-06	-7.19e-05	0.0
148	18	-0.16	-6.74e-03	-0.03	3.10e-06	-5.59e-05	0.0
148	29	-3.15	1.84	-0.05	-8.50e-04	-1.35e-03	0.0
148	38	1.19	-7.75	-0.02	3.57e-03	5.35e-04	0.0
148	61	-2.37	1.53	-0.04	-7.03e-04	-1.01e-03	0.0
148	70	0.86	-6.29	-0.02	2.90e-03	3.88e-04	0.0
148	93	-2.11	1.36	-0.04	-6.26e-04	-9.02e-04	0.0
148	102	0.74	-5.60	-0.02	2.58e-03	3.38e-04	0.0
148	125	-3.78	2.06	-0.05	-9.47e-04	-1.62e-03	0.0
148	134	1.48	-8.75	-0.02	4.03e-03	6.58e-04	0.0
149	2	0.22	-0.35	-0.23	2.20e-04	9.07e-05	-1.45e-05
149	6	0.19	-0.49	-0.20	1.73e-04	7.62e-05	-6.69e-06
149	10	0.15	-0.24	-0.16	1.53e-04	6.25e-05	-9.93e-06
149	12	0.13	-0.33	-0.14	1.22e-04	5.28e-05	-4.73e-06
149	14	0.10	-0.05	-0.13	9.88e-05	3.90e-05	-8.01e-06
149	16	0.08	-0.10	-0.11	7.78e-05	3.22e-05	-4.90e-06
149	18	0.08	-0.04	-0.11	7.74e-05	3.10e-05	-5.96e-06
149	20	11.31	-3.21	-0.18	4.92e-04	3.61e-03	8.47e-04
149	48	8.20	-4.18	-0.20	6.24e-04	2.70e-03	5.48e-04
149	52	8.24	-2.41	-0.16	3.89e-04	2.64e-03	6.27e-04
149	80	6.05	-3.14	-0.18	4.90e-04	1.99e-03	4.19e-04
149	84	7.29	-2.14	-0.16	3.54e-04	2.34e-03	5.55e-04
149	112	5.36	-2.79	-0.17	4.44e-04	1.77e-03	3.72e-04
149	116	13.63	-3.87	-0.20	5.79e-04	4.35e-03	1.02e-03
149	144	9.88	-5.04	-0.22	7.36e-04	3.25e-03	6.54e-04
150	2	0.24	-0.36	-0.18	-1.38e-05	1.03e-04	-3.08e-06
150	6	0.20	-0.50	-0.21	2.38e-05	8.19e-05	1.69e-06
150	10	0.17	-0.24	-0.13	-1.07e-05	7.09e-05	-2.19e-06
150	12	0.14	-0.34	-0.15	1.44e-05	5.69e-05	0.0
150	14	0.11	-0.06	-0.09	-2.23e-05	4.56e-05	-3.35e-06
150	16	0.09	-0.10	-0.09	-8.44e-06	3.62e-05	-1.57e-06
150	18	0.08	-0.05	-0.08	-1.69e-05	3.59e-05	-2.59e-06
150	20	7.99	-3.21	0.33	6.90e-04	2.62e-03	1.85e-03
150	48	6.28	-4.18	-0.70	9.11e-04	2.15e-03	-8.94e-04
150	50	2.94	-2.76	-1.09	6.06e-04	1.01e-03	-1.68e-03
150	52	5.83	-2.41	0.22	5.15e-04	1.92e-03	1.33e-03
150	80	4.62	-3.14	-0.54	6.81e-04	1.59e-03	-6.64e-04
150	82	2.18	-2.09	-0.83	4.53e-04	7.53e-04	-1.24e-03
150	84	5.16	-2.14	0.18	4.55e-04	1.70e-03	1.17e-03
150	112	4.09	-2.79	-0.49	6.02e-04	1.41e-03	-5.88e-04
150	114	1.94	-1.86	-0.74	4.00e-04	6.70e-04	-1.10e-03
150	116	9.62	-3.87	0.41	8.38e-04	3.16e-03	2.23e-03
150	144	7.58	-5.04	-0.83	1.11e-03	2.59e-03	-1.07e-03
150	146	3.53	-3.33	-1.30	7.37e-04	1.21e-03	-2.02e-03
151	2	0.13	-0.19	-0.12	7.36e-05	6.12e-04	0.0
151	10	0.09	-0.13	-0.09	5.07e-05	4.23e-04	0.0
151	14	0.09	-0.07	-0.08	2.64e-05	2.78e-04	0.0
151	18	0.07	-0.05	-0.07	2.09e-05	2.16e-04	0.0
151	28	6.38	-3.03	-0.10	1.09e-03	2.20e-03	0.0
151	40	4.88	-3.67	-0.09	1.33e-03	1.74e-03	0.0
151	60	4.72	-2.30	-0.09	8.33e-04	1.68e-03	0.0
151	72	3.62	-2.79	-0.09	1.01e-03	1.34e-03	0.0
151	92	4.19	-2.05	-0.09	7.42e-04	1.51e-03	0.0
151	104	3.22	-2.48	-0.08	8.98e-04	1.21e-03	0.0
151	124	7.67	-3.62	-0.10	1.31e-03	2.61e-03	0.0
151	136	5.87	-4.41	-0.10	1.60e-03	2.06e-03	0.0
152	2	0.61	-1.10	-0.36	4.01e-04	1.17e-04	-3.89e-05
152	6	0.51	-1.35	-0.32	3.52e-04	9.47e-05	-1.21e-05
152	10	0.42	-0.75	-0.26	2.76e-04	8.08e-05	-2.63e-05
152	12	0.35	-0.91	-0.23	2.44e-04	6.59e-05	-8.38e-06
152	14	0.26	-0.25	-0.20	1.50e-04	5.25e-05	-2.22e-05
152	16	0.22	-0.32	-0.18	1.25e-04	4.24e-05	-1.16e-05
152	18	0.21	-0.20	-0.18	1.13e-04	4.18e-05	-1.57e-05
152	20	20.46	-8.02	-0.29	6.18e-04	1.18e-03	1.12e-03
152	48	15.76	-10.42	-0.32	7.76e-04	1.39e-03	8.11e-04
152	52	14.97	-6.05	-0.26	4.95e-04	9.02e-04	8.31e-04
152	80	11.65	-7.85	-0.29	6.14e-04	1.06e-03	6.15e-04
152	84	13.26	-5.39	-0.25	4.52e-04	8.06e-04	7.34e-04
152	112	10.34	-6.99	-0.28	5.57e-04	9.41e-04	5.45e-04
152	116	24.64	-9.64	-0.32	7.24e-04	1.42e-03	1.35e-03
152	144	19.00	-12.56	-0.35	9.15e-04	1.66e-03	9.69e-04
153	2	0.69	-1.09	-0.27	3.75e-04	1.30e-04	-8.83e-05
153	6	0.55	-1.34	-0.31	3.45e-04	9.97e-05	-6.42e-05
153	10	0.48	-0.74	-0.19	2.57e-04	8.94e-05	-6.05e-05

153	12	0.38	-0.90	-0.21	2.37e-04	6.91e-05	-4.45e-05
153	14	0.31	-0.24	-0.13	1.35e-04	5.86e-05	-3.97e-05
153	16	0.24	-0.31	-0.14	1.17e-04	4.52e-05	-2.93e-05
153	18	0.24	-0.19	-0.12	1.03e-04	4.57e-05	-3.03e-05
153	20	15.88	-8.02	0.46	9.46e-04	1.63e-03	2.82e-03
153	48	13.29	-10.42	-1.00	1.20e-03	1.64e-03	-1.37e-03
153	50	6.25	-6.97	-1.56	8.38e-04	8.16e-04	-2.60e-03
153	52	11.65	-6.05	0.30	7.38e-04	1.22e-03	2.03e-03
153	80	9.82	-7.86	-0.78	9.27e-04	1.24e-03	-1.02e-03
153	82	4.67	-5.30	-1.19	6.58e-04	6.25e-04	-1.92e-03
153	84	10.33	-5.39	0.25	6.67e-04	1.09e-03	1.79e-03
153	112	8.72	-6.99	-0.71	8.34e-04	1.10e-03	-9.02e-04
153	114	4.16	-4.72	-1.07	5.95e-04	5.60e-04	-1.70e-03
153	116	19.12	-9.65	0.58	1.12e-03	1.95e-03	3.41e-03
153	144	16.02	-12.57	-1.18	1.43e-03	1.98e-03	-1.64e-03
153	146	7.51	-8.39	-1.86	9.92e-04	9.77e-04	-3.12e-03
154	2	1.41	-1.01	-0.19	1.46e-04	-8.76e-04	0.0
154	10	0.98	-0.70	-0.14	1.02e-04	-6.04e-04	0.0
154	14	0.73	-0.39	-0.12	5.81e-05	-3.70e-04	0.0
154	18	0.57	-0.32	-0.12	4.88e-05	-2.85e-04	0.0
154	28	20.15	-12.76	-0.14	1.55e-03	2.15e-03	0.0
154	40	17.40	-15.43	-0.14	1.86e-03	1.85e-03	0.0
154	60	14.92	-9.74	-0.14	1.18e-03	1.54e-03	0.0
154	72	13.00	-11.75	-0.13	1.42e-03	1.31e-03	0.0
154	92	13.27	-8.68	-0.14	1.06e-03	1.33e-03	0.0
154	104	11.58	-10.47	-0.13	1.26e-03	1.13e-03	0.0
154	124	24.27	-15.30	-0.15	1.85e-03	2.63e-03	0.0
154	136	20.91	-18.55	-0.14	2.23e-03	2.29e-03	0.0
155	2	-0.75	-0.19	-0.81	-4.28e-05	-3.23e-04	3.05e-04
155	10	-0.52	-0.13	-0.56	-2.79e-05	-2.21e-04	2.11e-04
155	14	-0.31	-0.07	-0.48	-1.83e-05	-1.19e-04	1.26e-04
155	18	-0.23	-0.05	-0.44	-1.44e-05	-8.05e-05	9.53e-05
155	28	2.51	-3.03	-0.72	-3.68e-05	3.55e-04	-7.86e-04
155	29	-2.96	2.92	-0.17	7.94e-06	-5.16e-04	9.77e-04
155	40	2.03	-3.67	-0.67	-3.58e-05	-1.41e-04	1.30e-04
155	60	1.79	-2.30	-0.65	-3.13e-05	2.45e-04	-5.75e-04
155	61	-2.25	2.20	-0.24	2.44e-06	-4.06e-04	7.65e-04
155	72	1.45	-2.79	-0.61	-3.05e-05	-1.22e-04	1.13e-04
155	92	1.56	-2.05	-0.63	-2.94e-05	2.09e-04	-5.01e-04
155	93	-2.02	1.95	-0.26	0.0	-3.70e-04	6.92e-04
155	104	1.26	-2.48	-0.59	-2.87e-05	-1.16e-04	1.09e-04
155	124	3.08	-3.62	-0.78	-4.12e-05	4.39e-04	-9.46e-04
155	125	-3.53	3.52	-0.11	1.24e-05	-6.00e-04	1.14e-03
155	136	2.50	-4.41	-0.72	-4.02e-05	-1.56e-04	1.42e-04
156	1	0.0	0.0	0.0	0.0	0.0	0.0
156	9	0.0	0.0	0.0	0.0	0.0	0.0
156	13	0.0	0.0	0.0	0.0	0.0	0.0
156	17	0.0	0.0	0.0	0.0	0.0	0.0
156	19	0.0	0.0	0.0	0.0	0.0	0.0
156	51	0.0	0.0	0.0	0.0	0.0	0.0
156	83	0.0	0.0	0.0	0.0	0.0	0.0
156	115	0.0	0.0	0.0	0.0	0.0	0.0
157	1	0.0	0.0	0.0	0.0	0.0	0.0
157	9	0.0	0.0	0.0	0.0	0.0	0.0
157	13	0.0	0.0	0.0	0.0	0.0	0.0
157	17	0.0	0.0	0.0	0.0	0.0	0.0
157	19	0.0	0.0	0.0	0.0	0.0	0.0
157	51	0.0	0.0	0.0	0.0	0.0	0.0
157	83	0.0	0.0	0.0	0.0	0.0	0.0
157	115	0.0	0.0	0.0	0.0	0.0	0.0
158	1	0.10	-0.06	-0.02	1.69e-05	4.48e-05	-1.73e-05
158	2	0.14	-0.09	-9.96e-03	2.94e-05	6.19e-05	-6.74e-05
158	6	0.13	-0.09	-0.01	2.98e-05	5.82e-05	-6.37e-05
158	9	0.07	-0.04	-0.02	1.25e-05	3.13e-05	-1.12e-05
158	10	0.10	-0.06	-9.04e-03	2.08e-05	4.27e-05	-4.46e-05
158	12	0.09	-0.06	-9.91e-03	2.11e-05	4.02e-05	-4.22e-05
158	13	0.07	-0.03	-0.02	8.38e-06	2.99e-05	0.0
158	14	0.08	-0.04	-0.02	1.25e-05	3.56e-05	-1.66e-05
158	17	0.07	-0.03	-0.02	8.38e-06	2.99e-05	0.0
158	18	0.07	-0.04	-0.02	1.09e-05	3.33e-05	-9.92e-06
158	28	0.99	-0.91	0.26	3.50e-04	3.91e-04	-1.39e-03
158	40	0.90	-1.10	0.28	4.24e-04	3.61e-04	-1.69e-03
158	41	-0.75	1.03	-0.32	-4.02e-04	-2.94e-04	1.67e-03
158	60	0.76	-0.69	0.19	2.67e-04	3.02e-04	-1.06e-03
158	72	0.69	-0.84	0.21	3.23e-04	2.79e-04	-1.28e-03

158	73	-0.55	0.77	-0.25	-3.01e-04	-2.13e-04	1.26e-03
158	92	0.69	-0.62	0.17	2.38e-04	2.72e-04	-9.40e-04
158	104	0.62	-0.75	0.19	2.88e-04	2.52e-04	-1.14e-03
158	105	-0.48	0.68	-0.22	-2.66e-04	-1.85e-04	1.12e-03
158	124	1.18	-1.08	0.31	4.18e-04	4.64e-04	-1.67e-03
158	136	1.07	-1.32	0.35	5.09e-04	4.28e-04	-2.03e-03
158	137	-0.92	1.24	-0.38	-4.87e-04	-3.62e-04	2.01e-03
159	6	0.08	-0.09	-0.05	3.22e-05	3.94e-05	-6.45e-05
159	12	0.06	-0.06	-0.04	2.28e-05	2.72e-05	-4.26e-05
159	14	0.05	-0.04	-0.04	1.38e-05	2.67e-05	-1.58e-05
159	16	0.05	-0.04	-0.04	1.35e-05	2.68e-05	-1.26e-05
159	18	0.05	-0.04	-0.03	1.21e-05	2.67e-05	-8.67e-06
159	19	0.95	-0.36	0.25	1.38e-04	3.37e-04	-4.80e-04
159	22	-0.84	0.28	-0.32	-1.14e-04	-2.83e-04	4.62e-04
159	40	-0.18	-1.10	-0.20	4.43e-04	-6.78e-05	-1.72e-03
159	51	0.72	-0.28	0.18	1.07e-04	2.58e-04	-3.62e-04
159	70	-0.44	-0.57	-0.25	2.29e-04	-1.51e-04	-8.78e-04
159	72	-0.11	-0.84	-0.15	3.38e-04	-4.12e-05	-1.30e-03
159	83	0.65	-0.25	0.16	9.59e-05	2.32e-04	-3.22e-04
159	102	-0.38	-0.51	-0.23	2.05e-04	-1.31e-04	-7.81e-04
159	104	-0.10	-0.75	-0.14	3.01e-04	-3.32e-05	-1.16e-03
159	115	1.12	-0.42	0.31	1.64e-04	3.96e-04	-5.75e-04
159	134	-0.73	-0.89	-0.38	3.58e-04	-2.60e-04	-1.39e-03
159	136	-0.23	-1.32	-0.23	5.31e-04	-8.75e-05	-2.07e-03
160	1	0.29	-0.13	-0.04	2.23e-05	6.53e-05	-7.35e-05
160	2	0.41	-0.22	-0.02	4.15e-05	9.11e-05	-1.95e-04
160	6	0.39	-0.22	-0.02	4.14e-05	8.59e-05	-1.90e-04
160	9	0.20	-0.10	-0.03	1.65e-05	4.52e-05	-5.11e-05
160	10	0.28	-0.16	-0.02	2.93e-05	6.24e-05	-1.32e-04
160	12	0.27	-0.16	-0.02	2.92e-05	5.90e-05	-1.29e-04
160	13	0.19	-0.07	-0.04	1.08e-05	4.27e-05	-1.99e-05
160	14	0.23	-0.10	-0.03	1.72e-05	5.13e-05	-6.03e-05
160	17	0.19	-0.07	-0.04	1.08e-05	4.27e-05	-1.99e-05
160	18	0.21	-0.08	-0.03	1.46e-05	4.79e-05	-4.41e-05
160	28	2.83	-2.48	0.42	4.89e-04	5.66e-04	-3.20e-03
160	40	2.62	-3.01	0.46	5.92e-04	5.38e-04	-3.89e-03
160	41	-2.19	2.84	-0.52	-5.62e-04	-4.42e-04	3.80e-03
160	60	2.17	-1.90	0.31	3.73e-04	4.37e-04	-2.44e-03
160	72	2.02	-2.29	0.34	4.51e-04	4.16e-04	-2.95e-03
160	73	-1.59	2.12	-0.40	-4.22e-04	-3.21e-04	2.86e-03
160	92	1.95	-1.69	0.27	3.33e-04	3.93e-04	-2.17e-03
160	104	1.82	-2.05	0.30	4.02e-04	3.75e-04	-2.63e-03
160	105	-1.39	1.88	-0.36	-3.73e-04	-2.79e-04	2.54e-03
160	124	3.36	-2.97	0.51	5.85e-04	6.72e-04	-3.84e-03
160	136	3.12	-3.61	0.56	7.11e-04	6.39e-04	-4.68e-03
160	137	-2.69	3.44	-0.63	-6.81e-04	-5.43e-04	4.59e-03
161	6	0.26	-0.22	-0.08	4.09e-05	5.97e-05	-1.97e-04
161	12	0.18	-0.16	-0.06	2.88e-05	4.12e-05	-1.34e-04
161	14	0.17	-0.10	-0.05	1.67e-05	4.10e-05	-6.17e-05
161	16	0.17	-0.10	-0.05	1.60e-05	4.12e-05	-5.53e-05
161	18	0.17	-0.09	-0.05	1.41e-05	4.11e-05	-4.44e-05
161	19	2.42	-0.94	0.36	1.78e-04	4.50e-04	-1.13e-03
161	22	-2.08	0.77	-0.46	-1.50e-04	-3.68e-04	1.04e-03
161	40	-0.48	-3.01	-0.28	5.93e-04	-9.20e-05	-3.99e-03
161	51	1.85	-0.72	0.25	1.38e-04	3.46e-04	-8.62e-04
161	70	-1.10	-1.56	-0.35	3.07e-04	-1.99e-04	-2.05e-03
161	72	-0.30	-2.29	-0.22	4.52e-04	-5.50e-05	-3.03e-03
161	83	1.66	-0.65	0.22	1.24e-04	3.11e-04	-7.70e-04
161	102	-0.96	-1.39	-0.32	2.74e-04	-1.72e-04	-1.82e-03
161	104	-0.24	-2.05	-0.20	4.03e-04	-4.38e-05	-2.70e-03
161	115	2.85	-1.11	0.43	2.12e-04	5.28e-04	-1.35e-03
161	134	-1.88	-2.44	-0.54	4.81e-04	-3.46e-04	-3.24e-03
161	136	-0.62	-3.61	-0.32	7.12e-04	-1.20e-04	-4.80e-03
162	1	0.53	-0.21	-0.05	2.67e-05	7.82e-05	-1.08e-04
162	2	0.76	-0.37	-0.02	4.68e-05	1.06e-04	-2.89e-04
162	6	0.71	-0.38	-0.02	4.64e-05	9.99e-05	-2.71e-04
162	9	0.37	-0.16	-0.04	1.99e-05	5.42e-05	-7.77e-05
162	10	0.52	-0.27	-0.02	3.33e-05	7.24e-05	-1.98e-04
162	12	0.49	-0.27	-0.02	3.30e-05	6.87e-05	-1.86e-04
162	13	0.35	-0.11	-0.04	1.43e-05	5.15e-05	-4.20e-05
162	14	0.42	-0.16	-0.03	2.10e-05	6.06e-05	-1.02e-04
162	17	0.35	-0.11	-0.04	1.43e-05	5.15e-05	-4.20e-05
162	18	0.39	-0.14	-0.04	1.83e-05	5.70e-05	-7.82e-05
162	28	5.02	-4.30	0.47	4.96e-04	6.03e-04	-3.89e-03
162	40	4.70	-5.21	0.51	5.98e-04	5.73e-04	-4.62e-03

162	41	-3.91	4.93	-0.59	-5.61e-04	-4.59e-04	4.46e-03
162	60	3.86	-3.29	0.34	3.80e-04	4.66e-04	-2.96e-03
162	72	3.63	-3.97	0.38	4.57e-04	4.45e-04	-3.52e-03
162	73	-2.84	3.70	-0.45	-4.20e-04	-3.31e-04	3.36e-03
162	92	3.47	-2.94	0.30	3.39e-04	4.20e-04	-2.64e-03
162	104	3.27	-3.55	0.33	4.08e-04	4.01e-04	-3.13e-03
162	105	-2.48	3.27	-0.41	-3.71e-04	-2.87e-04	2.97e-03
162	124	5.96	-5.15	0.57	5.93e-04	7.15e-04	-4.66e-03
162	136	5.59	-6.26	0.63	7.18e-04	6.80e-04	-5.56e-03
162	137	-4.80	5.98	-0.70	-6.81e-04	-5.66e-04	5.40e-03
163	5	0.49	-0.26	-0.08	2.29e-05	7.50e-05	-1.44e-04
163	6	0.49	-0.38	-0.09	3.76e-05	7.44e-05	-2.78e-04
163	11	0.34	-0.19	-0.06	1.64e-05	5.22e-05	-1.02e-04
163	12	0.33	-0.27	-0.06	2.62e-05	5.17e-05	-1.91e-04
163	14	0.33	-0.16	-0.06	1.37e-05	5.16e-05	-1.04e-04
163	15	0.33	-0.12	-0.06	8.67e-06	5.20e-05	-5.25e-05
163	16	0.33	-0.15	-0.06	1.29e-05	5.18e-05	-9.06e-05
163	17	0.33	-0.11	-0.06	6.73e-06	5.19e-05	-4.01e-05
163	18	0.33	-0.14	-0.06	1.09e-05	5.18e-05	-7.83e-05
163	19	4.14	-1.60	0.38	1.77e-04	4.83e-04	-1.33e-03
163	22	-3.48	1.32	-0.50	-1.56e-04	-3.79e-04	1.18e-03
163	40	-0.83	-5.21	-0.30	6.05e-04	-9.13e-05	-4.74e-03
163	51	3.17	-1.23	0.27	1.36e-04	3.72e-04	-1.02e-03
163	54	-2.52	0.96	-0.39	-1.14e-04	-2.69e-04	8.68e-04
163	72	-0.50	-3.98	-0.24	4.60e-04	-5.16e-05	-3.60e-03
163	83	2.85	-1.11	0.23	1.22e-04	3.36e-04	-9.18e-04
163	86	-2.19	0.83	-0.35	-1.00e-04	-2.32e-04	7.61e-04
163	104	-0.40	-3.55	-0.22	4.10e-04	-3.95e-05	-3.21e-03
163	115	4.86	-1.89	0.47	2.11e-04	5.65e-04	-1.59e-03
163	118	-4.21	1.62	-0.59	-1.90e-04	-4.62e-04	1.43e-03
163	136	-1.07	-6.26	-0.35	7.27e-04	-1.21e-04	-5.70e-03
164	1	0.0	0.0	0.0	4.46e-04	-1.02e-03	-2.84e-04
164	9	0.0	0.0	0.0	3.41e-04	-7.87e-04	-2.18e-04
164	13	0.0	0.0	0.0	3.39e-04	-7.87e-04	-2.17e-04
164	17	0.0	0.0	0.0	3.39e-04	-7.87e-04	-2.17e-04
164	19	0.0	0.0	0.0	-2.95e-04	-1.43e-03	-7.08e-04
164	51	0.0	0.0	0.0	-8.68e-05	-1.43e-03	-6.63e-04
164	83	0.0	0.0	0.0	-1.03e-05	-1.44e-03	-6.32e-04
164	115	0.0	0.0	0.0	-4.50e-04	-1.42e-03	-7.33e-04
165	1	0.0	0.0	0.0	7.98e-05	-1.22e-03	-2.69e-05
165	9	0.0	0.0	0.0	6.10e-05	-9.37e-04	-2.07e-05
165	13	0.0	0.0	0.0	5.97e-05	-9.37e-04	-2.11e-05
165	17	0.0	0.0	0.0	5.97e-05	-9.37e-04	-2.11e-05
165	19	0.0	0.0	0.0	-8.59e-04	-1.52e-03	-7.99e-04
165	51	0.0	0.0	0.0	-6.28e-04	-1.57e-03	-6.44e-04
165	83	0.0	0.0	0.0	-5.44e-04	-1.59e-03	-5.76e-04
165	115	0.0	0.0	0.0	-1.03e-03	-1.48e-03	-9.07e-04
166	2	-0.18	-0.02	-0.27	1.82e-03	1.46e-03	-8.63e-04
166	10	-0.13	-0.01	-0.19	1.26e-03	1.01e-03	-5.98e-04
166	14	-0.08	-8.61e-03	-0.12	8.11e-04	6.34e-04	-3.85e-04
166	18	-0.06	-6.74e-03	-0.10	6.33e-04	4.83e-04	-3.00e-04
166	29	-0.14	1.85	-0.20	1.47e-03	5.14e-04	-6.26e-04
166	34	-0.15	-1.68	-0.16	1.17e-03	5.03e-04	-5.08e-04
166	38	-0.10	-7.76	-0.05	2.83e-04	4.70e-04	-1.61e-04
166	61	-0.12	1.53	-0.17	1.25e-03	5.06e-04	-5.42e-04
166	66	-0.13	-1.36	-0.15	1.03e-03	4.97e-04	-4.54e-04
166	70	-0.09	-6.30	-0.06	3.72e-04	4.73e-04	-1.96e-04
166	93	-0.11	1.36	-0.16	1.18e-03	5.03e-04	-5.14e-04
166	98	-0.12	-1.22	-0.14	9.84e-04	4.96e-04	-4.37e-04
166	102	-0.09	-5.60	-0.07	4.01e-04	4.74e-04	-2.08e-04
166	125	-0.15	2.06	-0.22	1.64e-03	5.20e-04	-6.93e-04
166	130	-0.17	-1.94	-0.18	1.28e-03	5.07e-04	-5.51e-04
166	134	-0.11	-8.76	-0.05	2.10e-04	4.67e-04	-1.32e-04
167	2	-0.98	-0.02	-1.72	2.13e-04	2.00e-03	-2.61e-04
167	10	-0.68	-0.01	-1.19	1.47e-04	1.38e-03	-1.81e-04
167	14	-0.44	-8.61e-03	-0.77	9.50e-05	8.66e-04	-1.15e-04
167	18	-0.34	-6.74e-03	-0.60	7.41e-05	6.61e-04	-8.87e-05
167	29	-1.11	1.85	-1.39	1.60e-04	8.73e-04	-1.24e-03
167	38	-0.02	-7.76	-0.27	3.55e-05	5.69e-04	4.30e-04
167	61	-0.91	1.53	-1.18	1.38e-04	8.18e-04	-9.34e-04
167	70	-0.10	-6.30	-0.35	4.51e-05	5.92e-04	3.01e-04
167	93	-0.84	1.36	-1.11	1.31e-04	8.00e-04	-8.37e-04
167	102	-0.12	-5.60	-0.38	4.84e-05	6.00e-04	2.57e-04
167	125	-1.27	2.06	-1.55	1.78e-04	9.18e-04	-1.48e-03
167	134	0.05	-8.76	-0.20	2.75e-05	5.50e-04	5.38e-04

168	2	-0.18	-0.15	-0.17	1.93e-04	2.81e-04	-8.97e-04
168	6	-0.14	-0.18	-0.14	1.64e-04	2.15e-04	-7.00e-04
168	10	-0.13	-0.10	-0.12	1.37e-04	1.94e-04	-6.21e-04
168	12	-0.10	-0.12	-0.10	1.18e-04	1.50e-04	-4.89e-04
168	14	-0.08	-0.04	-0.09	1.04e-04	1.26e-04	-4.00e-04
168	16	-0.06	-0.04	-0.07	9.13e-05	9.71e-05	-3.12e-04
168	18	-0.06	-0.03	-0.07	9.11e-05	9.80e-05	-3.11e-04
168	29	-0.15	-3.95	-0.10	2.50e-04	-6.49e-04	-6.64e-04
168	34	-0.17	-7.78	-0.09	1.98e-04	-4.43e-04	-5.31e-04
168	38	-0.11	-9.62	-0.07	3.16e-05	3.15e-04	-1.54e-04
168	61	-0.13	-2.90	-0.09	2.09e-04	-4.56e-04	-5.73e-04
168	66	-0.14	-5.71	-0.09	1.71e-04	-3.05e-04	-4.74e-04
168	70	-0.10	-7.05	-0.07	4.71e-05	2.57e-04	-1.94e-04
168	93	-0.12	-2.57	-0.09	1.96e-04	-3.93e-04	-5.43e-04
168	98	-0.13	-5.06	-0.08	1.62e-04	-2.59e-04	-4.56e-04
168	102	-0.09	-6.24	-0.07	5.21e-05	2.38e-04	-2.07e-04
168	125	-0.17	-4.72	-0.10	2.83e-04	-7.98e-04	-7.38e-04
168	130	-0.19	-9.36	-0.09	2.20e-04	-5.49e-04	-5.77e-04
168	134	-0.12	-11.60	-0.06	1.90e-05	3.62e-04	-1.21e-04
169	2	-0.97	-0.15	-0.33	4.40e-05	3.79e-04	-2.48e-04
169	6	-0.76	-0.18	-0.28	3.77e-05	2.93e-04	-1.94e-04
169	10	-0.67	-0.10	-0.24	3.10e-05	2.62e-04	-1.72e-04
169	12	-0.53	-0.12	-0.20	2.68e-05	2.05e-04	-1.36e-04
169	14	-0.43	-0.04	-0.18	2.41e-05	1.70e-04	-1.09e-04
169	16	-0.34	-0.04	-0.15	2.13e-05	1.33e-04	-8.50e-05
169	18	-0.34	-0.03	-0.15	2.13e-05	1.33e-04	-8.46e-05
169	29	-1.13	-3.95	-0.30	2.99e-05	-6.37e-04	-1.13e-03
169	38	-4.31e-03	-9.62	-0.10	2.48e-05	4.38e-04	3.88e-04
169	61	-0.92	-2.90	-0.26	2.82e-05	-4.34e-04	-8.53e-04
169	70	-0.09	-7.05	-0.11	2.41e-05	3.60e-04	2.71e-04
169	93	-0.85	-2.57	-0.25	2.75e-05	-3.69e-04	-7.65e-04
169	102	-0.12	-6.23	-0.12	2.38e-05	3.35e-04	2.31e-04
169	125	-1.29	-4.72	-0.33	3.13e-05	-7.96e-04	-1.34e-03
169	134	0.07	-11.60	-0.09	2.55e-05	5.02e-04	4.87e-04
170	2	-1.00	-0.15	-0.34	-3.73e-06	3.95e-04	-5.08e-05
170	6	-0.78	-0.18	-0.28	-1.81e-06	3.06e-04	-4.00e-05
170	10	-0.69	-0.10	-0.24	-2.86e-06	2.73e-04	-3.52e-05
170	12	-0.55	-0.12	-0.20	-1.58e-06	2.14e-04	-2.80e-05
170	14	-0.45	-0.04	-0.18	0.0	1.78e-04	-2.08e-05
170	16	-0.35	-0.04	-0.16	0.0	1.39e-04	-1.59e-05
170	18	-0.35	-0.03	-0.16	0.0	1.39e-04	-1.55e-05
170	29	-1.36	-3.95	-0.30	-4.32e-05	-6.41e-04	-1.23e-03
170	38	0.09	-9.62	-0.10	1.91e-05	4.58e-04	5.43e-04
170	61	-1.09	-2.90	-0.26	-3.16e-05	-4.35e-04	-9.15e-04
170	70	-0.02	-7.05	-0.12	1.45e-05	3.78e-04	4.04e-04
170	93	-1.01	-2.57	-0.25	-2.79e-05	-3.69e-04	-8.12e-04
170	102	-0.06	-6.23	-0.12	1.29e-05	3.51e-04	3.57e-04
170	125	-1.57	-4.72	-0.33	-5.24e-05	-8.03e-04	-1.49e-03
170	134	0.18	-11.60	-0.09	2.30e-05	5.25e-04	6.60e-04
171	2	-1.01	-0.02	-1.72	-2.43e-04	7.75e-04	-5.16e-05
171	10	-0.70	-0.01	-1.19	-1.69e-04	5.35e-04	-3.56e-05
171	14	-0.45	-8.61e-03	-0.77	-1.08e-04	3.42e-04	-2.07e-05
171	18	-0.35	-6.74e-03	-0.60	-8.38e-05	2.64e-04	-1.54e-05
171	29	-1.37	1.85	-1.38	-2.19e-04	-5.18e-04	-1.35e-03
171	38	0.09	-7.76	-0.27	-2.89e-05	5.37e-04	5.93e-04
171	61	-1.10	1.53	-1.18	-1.83e-04	-3.17e-04	-9.97e-04
171	70	-0.02	-6.30	-0.35	-4.31e-05	4.65e-04	4.42e-04
171	93	-1.01	1.36	-1.11	-1.72e-04	-2.51e-04	-8.84e-04
171	102	-0.06	-5.60	-0.38	-4.77e-05	4.42e-04	3.90e-04
171	125	-1.58	2.06	-1.54	-2.47e-04	-6.77e-04	-1.63e-03
171	134	0.18	-8.76	-0.20	-1.73e-05	5.95e-04	7.20e-04
172	2	-0.73	5.42e-03	-2.22	-1.09e-04	-5.62e-04	-1.31e-04
172	7	-0.13	-0.03	-0.48	-1.74e-05	-4.04e-05	-4.65e-05
172	10	-0.51	4.02e-03	-1.54	-7.42e-05	-3.89e-04	-9.03e-05
172	11	-0.12	-0.02	-0.50	-1.98e-05	-2.32e-05	-3.93e-05
172	14	-0.30	0.01	-1.03	-4.82e-05	-2.05e-04	-5.23e-05
172	18	-0.22	8.93e-03	-0.82	-3.75e-05	-1.32e-04	-4.09e-05
172	28	2.47	-10.57	-2.60	4.70e-03	1.21e-04	9.36e-04
172	29	-2.92	10.59	0.95	-4.78e-03	-3.85e-04	-1.02e-03
172	35	-1.29	36.85	-0.21	-0.01	-2.41e-04	-7.00e-03
172	60	1.77	-6.27	-2.15	2.90e-03	5.46e-05	4.32e-04
172	61	-2.21	6.29	0.50	-2.97e-03	-3.19e-04	-5.13e-04
172	75	-0.96	23.67	-0.40	-8.92e-03	-2.09e-04	-4.44e-03
172	92	1.54	-5.42	-2.00	2.51e-03	3.32e-05	3.56e-04
172	93	-1.99	5.44	0.35	-2.59e-03	-2.97e-04	-4.38e-04

172	107	-0.87	20.60	-0.45	-7.77e-03	-2.00e-04	-3.88e-03
172	124	3.03	-13.51	-2.97	5.96e-03	1.74e-04	1.26e-03
172	125	-3.47	13.52	1.32	-6.03e-03	-4.38e-04	-1.34e-03
172	131	-1.51	46.97	-0.07	-0.02	-2.64e-04	-8.81e-03
173	2	1.40	-1.40	-0.05	1.50e-04	-2.45e-04	0.0
173	5	0.09	-1.44	-0.06	1.54e-04	-1.13e-04	0.0
173	6	0.91	-1.77	-0.05	1.90e-04	-2.24e-04	0.0
173	10	0.97	-0.95	-0.04	1.01e-04	-1.68e-04	0.0
173	11	0.10	-0.97	-0.04	1.04e-04	-7.97e-05	0.0
173	12	0.64	-1.19	-0.04	1.27e-04	-1.54e-04	0.0
173	14	0.73	-0.29	-0.04	2.83e-05	-8.77e-05	0.0
173	15	0.29	-0.30	-0.04	2.99e-05	-4.36e-05	0.0
173	16	0.52	-0.39	-0.04	4.00e-05	-7.55e-05	0.0
173	17	0.34	-0.13	-0.04	1.15e-05	-3.46e-05	0.0
173	18	0.57	-0.22	-0.04	2.16e-05	-6.64e-05	0.0
173	28	20.14	-17.09	-0.03	1.59e-03	3.21e-03	0.0
173	29	-18.99	16.65	-0.06	-1.55e-03	-3.34e-03	0.0
173	44	15.85	-20.56	-0.03	1.62e-03	2.57e-03	0.0
173	60	14.91	-12.71	-0.03	1.21e-03	2.34e-03	0.0
173	61	-13.77	12.27	-0.05	-1.17e-03	-2.48e-03	0.0
173	76	11.76	-15.41	-0.03	1.23e-03	1.87e-03	0.0
173	92	13.26	-11.29	-0.03	1.07e-03	2.07e-03	0.0
173	93	-12.11	10.84	-0.05	-1.03e-03	-2.20e-03	0.0
173	108	10.47	-13.68	-0.03	1.09e-03	1.65e-03	0.0
173	124	24.25	-20.63	-0.02	1.89e-03	3.89e-03	0.0
173	125	-23.11	20.19	-0.06	-1.85e-03	-4.02e-03	0.0
173	140	19.04	-24.82	-0.03	1.94e-03	3.12e-03	0.0
174	2	-0.80	-0.29	-6.90	1.87e-04	-0.01	1.58e-04
174	6	-0.62	-0.29	-5.33	1.62e-04	-7.65e-03	1.70e-04
174	10	-0.56	-0.20	-4.78	1.30e-04	-7.02e-03	1.07e-04
174	12	-0.43	-0.20	-3.73	1.14e-04	-5.36e-03	1.15e-04
174	14	-0.33	-0.09	-3.06	1.00e-04	-4.31e-03	3.66e-05
174	18	-0.24	-0.07	-2.37	8.89e-05	-3.21e-03	2.43e-05
174	28	2.71	-12.41	-11.28	-7.85e-04	-0.02	0.01
174	29	-3.20	12.27	6.54	9.63e-04	0.01	-0.01
174	48	2.10	-37.55	-9.87	-5.49e-03	-0.02	0.05
174	60	1.94	-7.85	-8.94	-3.63e-04	-0.01	6.32e-03
174	61	-2.43	7.71	4.20	5.40e-04	7.42e-03	-6.27e-03
174	68	1.37	-22.85	-7.73	-3.73e-03	-0.01	0.03
174	92	1.69	-6.86	-8.19	-2.96e-04	-0.01	5.45e-03
174	93	-2.18	6.72	3.45	4.74e-04	6.20e-03	-5.40e-03
174	100	1.19	-19.91	-7.12	-3.25e-03	-0.01	0.03
174	124	3.32	-15.77	-13.14	-1.08e-03	-0.02	0.01
174	125	-3.81	15.64	8.40	1.26e-03	0.01	-0.01
174	144	2.58	-47.90	-11.43	-7.04e-03	-0.02	0.07
175	2	0.03	0.50	-3.85	9.19e-04	-5.67e-03	-1.14e-03
175	7	-0.04	7.90e-03	-0.74	3.22e-04	-1.01e-03	-1.76e-04
175	10	0.02	0.35	-2.66	6.33e-04	-3.92e-03	-7.91e-04
175	14	0.04	0.27	-1.71	4.98e-04	-2.47e-03	-5.61e-04
175	18	0.04	0.22	-1.33	4.44e-04	-1.89e-03	-4.52e-04
175	28	6.05	-12.03	-2.34	-4.52e-04	-3.22e-03	0.01
175	45	-4.03	37.65	-0.52	5.98e-03	-8.24e-04	-0.05
175	60	4.47	-7.51	-2.07	-1.97e-05	-2.87e-03	5.88e-03
175	69	-2.98	22.99	-0.71	3.83e-03	-1.08e-03	-0.03
175	92	3.96	-6.53	-1.99	4.84e-05	-2.76e-03	5.01e-03
175	101	-2.63	20.05	-0.78	3.39e-03	-1.17e-03	-0.03
175	124	7.27	-15.37	-2.55	-7.55e-04	-3.50e-03	0.01
175	141	-4.87	47.99	-0.35	7.53e-03	-6.02e-04	-0.07
176	2	0.03	-0.19	-0.20	7.62e-04	5.50e-04	-1.07e-03
176	7	-0.04	-0.10	-0.09	3.07e-04	8.66e-05	-1.51e-04
176	10	0.02	-0.13	-0.14	5.24e-04	3.80e-04	-7.43e-04
176	14	0.04	-0.07	-0.12	4.41e-04	2.51e-04	-4.75e-04
176	18	0.04	-0.05	-0.11	4.07e-04	1.96e-04	-3.61e-04
176	28	6.04	-3.03	-0.16	6.84e-04	2.08e-03	-3.48e-03
176	40	4.62	-3.67	-0.16	6.31e-04	1.64e-03	-2.64e-03
176	60	4.46	-2.30	-0.15	6.12e-04	1.59e-03	-2.67e-03
176	72	3.42	-2.79	-0.14	5.73e-04	1.26e-03	-2.04e-03
176	92	3.95	-2.05	-0.15	5.88e-04	1.43e-03	-2.41e-03
176	104	3.03	-2.48	-0.14	5.54e-04	1.14e-03	-1.85e-03
176	124	7.26	-3.62	-0.17	7.42e-04	2.47e-03	-4.11e-03
176	136	5.57	-4.41	-0.16	6.78e-04	1.94e-03	-3.11e-03
177	2	-0.79	-0.19	-0.80	1.20e-04	-1.98e-04	2.83e-05
177	10	-0.54	-0.13	-0.56	8.35e-05	-1.36e-04	1.92e-05
177	14	-0.32	-0.07	-0.47	7.36e-05	-6.63e-05	5.14e-06
177	18	-0.24	-0.05	-0.44	6.95e-05	-4.10e-05	4.09e-06

177	28	2.72	-3.03	-0.72	1.03e-04	5.14e-04	-1.21e-03
177	29	-3.19	2.92	-0.16	3.60e-05	-5.96e-04	1.22e-03
177	40	2.16	-3.67	-0.66	5.52e-05	-1.56e-04	1.84e-04
177	60	1.95	-2.30	-0.64	9.42e-05	3.71e-04	-9.08e-04
177	61	-2.42	2.20	-0.24	4.48e-05	-4.53e-04	9.16e-04
177	72	1.53	-2.79	-0.60	5.91e-05	-1.23e-04	1.29e-04
177	92	1.70	-2.05	-0.62	9.13e-05	3.25e-04	-8.06e-04
177	93	-2.17	1.95	-0.26	4.76e-05	-4.07e-04	8.14e-04
177	104	1.33	-2.48	-0.59	6.04e-05	-1.13e-04	1.13e-04
177	124	3.33	-3.62	-0.77	1.10e-04	6.23e-04	-1.45e-03
177	125	-3.80	3.52	-0.11	2.92e-05	-7.05e-04	1.45e-03
177	136	2.65	-4.41	-0.71	5.22e-05	-1.82e-04	2.27e-04
178	2	3.51	-0.31	-6.26	-4.59e-04	1.12e-03	1.99e-04
178	6	2.69	-0.45	-4.87	-3.53e-04	8.73e-04	1.84e-04
178	10	2.42	-0.21	-4.34	-3.16e-04	7.72e-04	1.36e-04
178	12	1.88	-0.30	-3.41	-2.45e-04	6.09e-04	1.26e-04
178	14	1.57	-0.05	-2.81	-1.95e-04	5.08e-04	7.49e-05
178	16	1.21	-0.09	-2.19	-1.47e-04	4.00e-04	6.58e-05
178	18	1.21	-0.04	-2.19	-1.47e-04	4.01e-04	5.88e-05
178	28	11.09	-17.30	-5.21	0.01	1.28e-03	-6.00e-03
178	36	9.03	-52.16	-4.48	0.03	1.07e-03	-7.18e-03
178	60	8.48	-11.04	-4.42	8.73e-03	1.05e-03	-4.30e-03
178	68	7.01	-32.75	-3.89	0.02	8.94e-04	-5.01e-03
178	92	7.64	-9.64	-4.16	7.65e-03	9.72e-04	-3.79e-03
178	100	6.35	-28.55	-3.70	0.01	8.37e-04	-4.40e-03
178	124	13.15	-21.82	-5.83	0.02	1.46e-03	-7.25e-03
178	132	10.65	-66.10	-4.96	0.03	1.20e-03	-8.80e-03
179	2	1.31	-0.55	-2.72	-3.39e-04	1.96e-03	-7.51e-04
179	6	1.00	-0.68	-2.13	-2.58e-04	1.51e-03	-5.63e-04
179	10	0.91	-0.38	-1.89	-2.35e-04	1.35e-03	-5.19e-04
179	12	0.70	-0.46	-1.50	-1.81e-04	1.06e-03	-3.94e-04
179	14	0.59	-0.13	-1.24	-1.44e-04	8.60e-04	-3.37e-04
179	16	0.46	-0.17	-0.98	-1.08e-04	6.61e-04	-2.55e-04
179	18	0.46	-0.11	-0.98	-1.08e-04	6.62e-04	-2.59e-04
179	27	5.58	-9.26	-1.24	-8.53e-05	1.22e-03	5.05e-04
179	28	8.55	-20.14	-1.15	-7.15e-05	1.53e-03	1.02e-03
179	36	6.92	-23.30	-0.88	-7.67e-05	1.31e-03	8.88e-04
179	59	4.20	-6.79	-1.17	-9.01e-05	1.08e-03	3.31e-04
179	60	6.41	-14.78	-1.11	-8.01e-05	1.30e-03	7.25e-04
179	68	5.26	-17.11	-0.91	-8.49e-05	1.15e-03	6.11e-04
179	91	3.77	-6.02	-1.15	-9.21e-05	1.03e-03	2.67e-04
179	92	5.73	-13.08	-1.09	-8.32e-05	1.23e-03	6.17e-04
179	100	4.71	-15.14	-0.92	-8.75e-05	1.09e-03	5.14e-04
179	123	6.66	-11.10	-1.29	-8.12e-05	1.34e-03	6.36e-04
179	124	10.24	-24.26	-1.18	-6.44e-05	1.70e-03	1.26e-03
179	132	8.26	-28.09	-0.86	-7.02e-05	1.45e-03	1.12e-03
180	2	0.39	-0.55	-0.61	-2.60e-03	5.36e-04	-7.20e-04
180	6	0.31	-0.68	-0.50	-2.01e-03	4.22e-04	-5.35e-04
180	10	0.27	-0.38	-0.43	-1.80e-03	3.70e-04	-4.98e-04
180	12	0.21	-0.46	-0.36	-1.41e-03	2.94e-04	-3.74e-04
180	14	0.18	-0.13	-0.31	-1.15e-03	2.29e-04	-3.23e-04
180	16	0.14	-0.17	-0.26	-8.87e-04	1.78e-04	-2.42e-04
180	18	0.14	-0.11	-0.26	-8.87e-04	1.75e-04	-2.47e-04
180	28	8.32	-20.14	-0.41	-1.01e-03	5.14e-04	-1.23e-03
180	36	7.27	-23.29	-0.39	-8.37e-04	5.46e-04	6.91e-05
180	60	6.18	-14.77	-0.37	-9.88e-04	4.31e-04	-1.01e-03
180	68	5.45	-17.11	-0.35	-8.54e-04	4.56e-04	-1.46e-05
180	92	5.49	-13.08	-0.36	-9.78e-04	4.02e-04	-9.24e-04
180	100	4.85	-15.14	-0.34	-8.58e-04	4.24e-04	-4.08e-05
180	124	10.04	-24.25	-0.44	-1.03e-03	5.85e-04	-1.40e-03
180	132	8.75	-28.08	-0.41	-8.24e-04	6.23e-04	1.41e-04
181	2	1.32	-0.69	-0.22	5.98e-05	2.83e-04	-6.70e-04
181	6	1.00	-0.87	-0.19	4.50e-05	2.12e-04	-5.01e-04
181	10	0.91	-0.47	-0.16	4.13e-05	1.95e-04	-4.63e-04
181	12	0.70	-0.59	-0.14	3.14e-05	1.48e-04	-3.50e-04
181	14	0.60	-0.15	-0.14	3.67e-05	1.29e-04	-3.01e-04
181	16	0.46	-0.20	-0.13	3.07e-05	9.86e-05	-2.28e-04
181	18	0.46	-0.12	-0.14	3.26e-05	1.01e-04	-2.32e-04
181	28	8.54	-14.26	-0.44	3.41e-04	1.85e-03	1.04e-03
181	31	5.63	-7.11	-0.60	5.07e-04	1.18e-03	5.20e-04
181	36	6.92	-15.99	0.03	-1.46e-04	1.60e-03	9.02e-04
181	60	6.41	-10.48	-0.36	2.57e-04	1.39e-03	7.45e-04
181	63	4.25	-5.20	-0.48	3.78e-04	8.91e-04	3.50e-04
181	68	5.25	-11.80	-0.01	-9.98e-05	1.21e-03	6.29e-04
181	92	5.72	-9.29	-0.33	2.31e-04	1.24e-03	6.38e-04

181	95	3.82	-4.61	-0.44	3.38e-04	8.00e-04	2.87e-04
181	100	4.71	-10.45	-0.03	-8.47e-05	1.09e-03	5.33e-04
181	124	10.23	-17.19	-0.51	4.07e-04	2.22e-03	1.28e-03
181	127	6.71	-8.55	-0.70	6.07e-04	1.41e-03	6.49e-04
181	132	8.26	-19.29	0.07	-1.84e-04	1.91e-03	1.13e-03
182	2	0.41	-0.69	-0.21	-4.81e-05	3.93e-04	-7.61e-04
182	6	0.32	-0.87	-0.18	-5.09e-05	3.08e-04	-5.66e-04
182	10	0.28	-0.47	-0.15	-3.73e-05	2.71e-04	-5.26e-04
182	12	0.22	-0.59	-0.13	-3.92e-05	2.14e-04	-3.96e-04
182	14	0.19	-0.15	-0.14	-2.66e-05	1.72e-04	-3.41e-04
182	16	0.15	-0.20	-0.13	-2.72e-05	1.34e-04	-2.56e-04
182	18	0.15	-0.12	-0.13	-2.50e-05	1.33e-04	-2.61e-04
182	27	5.03	-6.78	-1.31	4.09e-04	9.92e-04	-1.58e-03
182	28	8.31	-14.26	-0.90	6.47e-04	1.62e-03	-1.25e-03
182	36	7.26	-15.99	0.31	5.05e-04	1.48e-03	4.17e-05
182	59	3.72	-4.97	-0.99	2.91e-04	7.63e-04	-1.27e-03
182	60	6.17	-10.48	-0.69	4.65e-04	1.23e-03	-1.02e-03
182	68	5.45	-11.79	0.19	3.65e-04	1.14e-03	-3.89e-05
182	91	3.31	-4.41	-0.89	2.54e-04	6.90e-04	-1.16e-03
182	92	5.48	-9.29	-0.63	4.09e-04	1.11e-03	-9.41e-04
182	100	4.85	-10.45	0.15	3.20e-04	1.02e-03	-6.39e-05
182	123	6.06	-8.15	-1.56	5.01e-04	1.17e-03	-1.82e-03
182	124	10.03	-17.19	-1.06	7.88e-04	1.93e-03	-1.42e-03
182	132	8.74	-19.29	0.40	6.14e-04	1.76e-03	1.10e-04
183	2	1.44	-0.69	-0.20	8.39e-05	2.64e-04	-5.93e-04
183	6	1.10	-0.87	-0.18	6.66e-05	1.96e-04	-4.42e-04
183	10	1.00	-0.47	-0.15	5.89e-05	1.83e-04	-4.10e-04
183	12	0.77	-0.59	-0.13	4.74e-05	1.37e-04	-3.09e-04
183	14	0.65	-0.15	-0.14	5.10e-05	1.22e-04	-2.68e-04
183	16	0.50	-0.20	-0.13	4.40e-05	9.27e-05	-2.02e-04
183	18	0.51	-0.12	-0.13	4.57e-05	9.50e-05	-2.06e-04
183	28	8.46	-14.26	-0.38	3.19e-04	1.89e-03	1.14e-03
183	31	5.64	-7.11	-0.51	4.65e-04	1.21e-03	5.65e-04
183	36	6.77	-15.99	5.78e-03	-1.11e-04	1.62e-03	1.06e-03
183	60	6.36	-10.48	-0.31	2.44e-04	1.42e-03	8.25e-04
183	63	4.27	-5.20	-0.40	3.51e-04	9.11e-04	3.87e-04
183	68	5.15	-11.80	-0.03	-6.97e-05	1.23e-03	7.49e-04
183	92	5.69	-9.29	-0.29	2.21e-04	1.27e-03	7.11e-04
183	95	3.84	-4.61	-0.37	3.15e-04	8.17e-04	3.22e-04
183	100	4.62	-10.45	-0.04	-5.64e-05	1.10e-03	6.42e-04
183	124	10.12	-17.19	-0.43	3.77e-04	2.27e-03	1.40e-03
183	127	6.72	-8.55	-0.59	5.54e-04	1.45e-03	7.03e-04
183	132	8.06	-19.29	0.03	-1.43e-04	1.94e-03	1.31e-03
184	1	0.46	-0.46	-0.05	9.97e-05	2.62e-05	-6.60e-05
184	2	1.92	-0.69	-0.05	1.51e-04	1.54e-04	-2.94e-04
184	6	1.45	-0.87	-0.05	1.31e-04	1.01e-04	-2.15e-04
184	9	0.35	-0.32	-0.04	7.50e-05	2.17e-05	-5.12e-05
184	10	1.33	-0.47	-0.04	1.09e-04	1.07e-04	-2.03e-04
184	12	1.01	-0.59	-0.04	9.60e-05	7.15e-05	-1.51e-04
184	13	0.38	-0.07	-0.04	7.95e-05	3.66e-05	-6.15e-05
184	14	0.87	-0.15	-0.04	9.66e-05	7.93e-05	-1.38e-04
184	16	0.67	-0.20	-0.04	8.83e-05	5.72e-05	-1.04e-04
184	17	0.38	-0.07	-0.04	7.95e-05	3.66e-05	-6.15e-05
184	18	0.68	-0.12	-0.04	8.98e-05	6.22e-05	-1.07e-04
184	23	3.47	-8.06	-0.05	3.17e-04	1.03e-03	7.95e-04
184	28	7.33	-14.26	-0.05	2.49e-04	2.15e-03	1.63e-03
184	36	5.32	-15.99	-0.04	6.00e-06	1.76e-03	1.55e-03
184	55	2.74	-5.89	-0.05	2.54e-04	7.69e-04	5.65e-04
184	60	5.58	-10.48	-0.04	2.06e-04	1.59e-03	1.20e-03
184	68	4.11	-11.80	-0.04	2.86e-05	1.31e-03	1.14e-03
184	87	2.50	-5.21	-0.05	2.35e-04	6.87e-04	4.88e-04
184	92	5.01	-9.29	-0.04	1.92e-04	1.42e-03	1.05e-03
184	100	3.71	-10.45	-0.04	3.57e-05	1.17e-03	1.00e-03
184	119	4.02	-9.66	-0.05	3.63e-04	1.23e-03	9.76e-04
184	124	8.70	-17.19	-0.05	2.83e-04	2.59e-03	1.98e-03
184	132	6.28	-19.29	-0.04	-1.14e-05	2.11e-03	1.89e-03
185	2	1.46	-0.55	-2.72	3.33e-04	2.89e-03	-6.70e-04
185	6	1.11	-0.68	-2.13	2.62e-04	2.23e-03	-5.02e-04
185	10	1.01	-0.38	-1.89	2.31e-04	1.99e-03	-4.63e-04
185	12	0.77	-0.46	-1.50	1.84e-04	1.56e-03	-3.51e-04
185	14	0.66	-0.13	-1.24	1.53e-04	1.26e-03	-3.01e-04
185	16	0.50	-0.17	-0.97	1.22e-04	9.69e-04	-2.28e-04
185	18	0.51	-0.11	-0.97	1.22e-04	9.68e-04	-2.32e-04
185	27	5.60	-9.26	-1.22	1.73e-04	1.27e-03	5.50e-04
185	28	8.47	-20.14	-1.14	2.04e-04	1.45e-03	1.13e-03

185	36	6.77	-23.30	-0.89	1.90e-04	1.36e-03	1.05e-03
185	59	4.23	-6.79	-1.17	1.60e-04	1.19e-03	3.68e-04
185	60	6.37	-14.78	-1.10	1.82e-04	1.33e-03	8.10e-04
185	68	5.15	-17.11	-0.91	1.72e-04	1.26e-03	7.35e-04
185	91	3.80	-6.02	-1.14	1.55e-04	1.17e-03	3.02e-04
185	92	5.69	-13.08	-1.09	1.75e-04	1.29e-03	6.95e-04
185	100	4.62	-15.15	-0.92	1.67e-04	1.23e-03	6.27e-04
185	123	6.67	-11.10	-1.27	1.84e-04	1.33e-03	6.90e-04
185	124	10.13	-24.26	-1.17	2.20e-04	1.55e-03	1.39e-03
185	132	8.07	-28.09	-0.87	2.04e-04	1.44e-03	1.31e-03
186	2	1.92	-0.55	-0.57	2.67e-03	2.22e-03	-2.24e-04
186	6	1.45	-0.68	-0.46	2.07e-03	1.71e-03	-1.61e-04
186	10	1.33	-0.38	-0.40	1.85e-03	1.53e-03	-1.55e-04
186	12	1.01	-0.46	-0.33	1.45e-03	1.19e-03	-1.13e-04
186	14	0.87	-0.13	-0.28	1.19e-03	9.73e-04	-1.07e-04
186	16	0.67	-0.17	-0.23	9.26e-04	7.47e-04	-8.00e-05
186	18	0.68	-0.11	-0.23	9.26e-04	7.48e-04	-8.34e-05
186	27	5.22	-9.26	-0.25	1.17e-03	1.03e-03	8.95e-04
186	28	7.31	-20.14	-0.24	1.09e-03	1.19e-03	1.67e-03
186	36	5.31	-23.30	-0.22	8.38e-04	1.11e-03	1.59e-03
186	59	4.02	-6.79	-0.24	1.12e-03	9.51e-04	6.52e-04
186	60	5.56	-14.78	-0.24	1.06e-03	1.07e-03	1.23e-03
186	68	4.10	-17.11	-0.22	8.64e-04	1.02e-03	1.18e-03
186	91	3.63	-6.02	-0.24	1.10e-03	9.28e-04	5.69e-04
186	92	5.00	-13.08	-0.24	1.04e-03	1.04e-03	1.09e-03
186	100	3.71	-15.15	-0.22	8.71e-04	9.85e-04	1.03e-03
186	123	6.15	-11.10	-0.25	1.22e-03	1.09e-03	1.09e-03
186	124	8.68	-24.26	-0.24	1.12e-03	1.28e-03	2.02e-03
186	132	6.27	-28.09	-0.22	8.18e-04	1.18e-03	1.94e-03
187	2	-0.09	-0.15	-0.15	8.40e-05	2.73e-04	0.0
187	6	-0.07	-0.18	-0.12	1.04e-04	2.09e-04	0.0
187	10	-0.06	-0.10	-0.10	5.70e-05	1.89e-04	0.0
187	12	-0.05	-0.12	-0.09	7.00e-05	1.45e-04	0.0
187	14	-0.04	-0.04	-0.08	2.00e-05	1.23e-04	0.0
187	16	-0.03	-0.04	-0.07	2.56e-05	9.41e-05	0.0
187	18	-0.03	-0.03	-0.07	1.64e-05	9.50e-05	0.0
187	29	-0.11	-3.95	-0.07	-3.98e-03	-6.52e-04	0.0
187	34	-0.13	-7.78	-0.07	-2.12e-03	-4.51e-04	0.0
187	38	-0.08	-9.62	-0.06	2.57e-03	3.05e-04	0.0
187	61	-0.09	-2.90	-0.07	-2.91e-03	-4.60e-04	0.0
187	66	-0.11	-5.71	-0.07	-1.54e-03	-3.12e-04	0.0
187	70	-0.07	-7.05	-0.06	1.88e-03	2.48e-04	0.0
187	93	-0.09	-2.57	-0.07	-2.57e-03	-3.97e-04	0.0
187	98	-0.10	-5.06	-0.07	-1.36e-03	-2.66e-04	0.0
187	102	-0.06	-6.24	-0.06	1.67e-03	2.30e-04	0.0
187	125	-0.12	-4.72	-0.07	-4.80e-03	-8.01e-04	0.0
187	130	-0.14	-9.36	-0.07	-2.55e-03	-5.57e-04	0.0
187	134	-0.09	-11.60	-0.06	3.11e-03	3.50e-04	0.0
188	2	-0.10	-0.02	-0.09	9.81e-06	2.81e-06	0.0
188	10	-0.07	-0.01	-0.06	6.76e-06	1.71e-06	0.0
188	14	-0.04	-8.61e-03	-0.04	3.97e-06	0.0	0.0
188	18	-0.03	-6.74e-03	-0.03	3.11e-06	0.0	0.0
188	29	-0.10	1.85	-0.05	-8.51e-04	-2.75e-05	0.0
188	34	-0.11	-1.68	-0.05	7.74e-04	-3.38e-05	0.0
188	38	-0.07	-7.76	-0.03	3.58e-03	-1.67e-05	0.0
188	61	-0.08	1.53	-0.05	-7.04e-04	-2.14e-05	0.0
188	66	-0.09	-1.36	-0.04	6.28e-04	-2.61e-05	0.0
188	70	-0.06	-6.30	-0.03	2.90e-03	-1.28e-05	0.0
188	93	-0.08	1.36	-0.05	-6.26e-04	-1.91e-05	0.0
188	98	-0.09	-1.22	-0.04	5.64e-04	-2.33e-05	0.0
188	102	-0.06	-5.60	-0.03	2.58e-03	-1.14e-05	0.0
188	125	-0.11	2.06	-0.06	-9.48e-04	-3.21e-05	0.0
188	130	-0.12	-1.94	-0.05	8.95e-04	-3.96e-05	0.0
188	134	-0.08	-8.76	-0.02	4.04e-03	-1.98e-05	0.0
189	1	0.0	0.0	0.0	0.0	0.0	0.0
189	9	0.0	0.0	0.0	0.0	0.0	0.0
189	13	0.0	0.0	0.0	0.0	0.0	0.0
189	17	0.0	0.0	0.0	0.0	0.0	0.0
189	19	0.0	0.0	0.0	0.0	0.0	0.0
189	51	0.0	0.0	0.0	0.0	0.0	0.0
189	83	0.0	0.0	0.0	0.0	0.0	0.0
189	115	0.0	0.0	0.0	0.0	0.0	0.0
190	1	0.0	0.0	0.0	0.0	0.0	0.0
190	9	0.0	0.0	0.0	0.0	0.0	0.0
190	13	0.0	0.0	0.0	0.0	0.0	0.0

190	17	0.0	0.0	0.0	0.0	0.0	0.0
190	19	0.0	0.0	0.0	0.0	0.0	0.0
190	51	0.0	0.0	0.0	0.0	0.0	0.0
190	83	0.0	0.0	0.0	0.0	0.0	0.0
190	115	0.0	0.0	0.0	0.0	0.0	0.0
191	2	8.01e-03	-0.01	-0.02	2.98e-05	1.61e-05	-9.67e-06
191	10	5.71e-03	-8.63e-03	-0.01	2.04e-05	1.14e-05	-6.58e-06
191	14	5.05e-03	-4.34e-03	-0.01	1.02e-05	9.99e-06	-3.16e-06
191	18	4.80e-03	-3.34e-03	-0.01	7.88e-06	9.45e-06	-2.12e-06
191	27	0.03	-0.09	-0.06	2.03e-04	6.78e-05	-6.94e-05
191	28	0.05	-0.21	-0.05	4.99e-04	1.00e-04	-1.57e-04
191	40	0.04	-0.26	3.48e-03	6.04e-04	8.54e-05	-1.81e-04
191	59	0.03	-0.07	-0.05	1.56e-04	5.34e-05	-5.31e-05
191	60	0.04	-0.16	-0.04	3.80e-04	7.74e-05	-1.19e-04
191	72	0.03	-0.20	-9.74e-04	4.59e-04	6.62e-05	-1.38e-04
191	91	0.02	-0.06	-0.05	1.39e-04	4.84e-05	-4.73e-05
191	92	0.03	-0.14	-0.04	3.38e-04	6.97e-05	-1.06e-04
191	104	0.03	-0.17	-2.39e-03	4.08e-04	5.98e-05	-1.23e-04
191	123	0.04	-0.10	-0.08	2.40e-04	7.94e-05	-8.30e-05
191	124	0.06	-0.25	-0.05	5.97e-04	1.18e-04	-1.89e-04
191	136	0.05	-0.31	6.96e-03	7.26e-04	1.01e-04	-2.18e-04
192	2	8.37e-03	-0.01	-0.02	2.92e-05	1.39e-05	-5.00e-06
192	6	8.61e-03	-0.01	-0.02	2.82e-05	1.43e-05	-4.07e-06
192	10	5.96e-03	-8.41e-03	-0.02	1.99e-05	9.77e-06	-3.37e-06
192	12	6.12e-03	-8.13e-03	-0.02	1.92e-05	1.01e-05	-2.75e-06
192	14	5.24e-03	-4.20e-03	-0.01	9.96e-06	8.60e-06	-1.91e-06
192	16	5.30e-03	-3.82e-03	-0.01	9.05e-06	8.70e-06	-1.48e-06
192	18	5.14e-03	-3.23e-03	-0.01	7.65e-06	8.45e-06	-1.41e-06
192	24	0.07	-0.19	-0.06	4.43e-04	1.01e-04	6.47e-05
192	40	0.05	-0.25	-0.04	5.95e-04	-1.91e-05	-8.07e-05
192	56	0.05	-0.14	-0.05	3.36e-04	7.87e-05	4.73e-05
192	72	0.04	-0.19	-0.04	4.52e-04	-1.12e-05	-6.08e-05
192	88	0.05	-0.13	-0.04	2.99e-04	7.08e-05	4.17e-05
192	104	0.03	-0.17	-0.03	4.02e-04	-8.89e-06	-5.42e-05
192	120	0.08	-0.23	-0.07	5.32e-04	1.18e-04	7.76e-05
192	136	0.05	-0.30	-0.05	7.15e-04	-2.49e-05	-9.73e-05
193	1	-6.44e-04	4.69e-06	-2.07e-04	0.0	1.21e-06	0.0
193	8	3.08e-04	-7.74e-04	-4.37e-05	-1.45e-06	0.0	0.0
193	9	-4.57e-04	9.83e-06	-1.57e-04	0.0	0.0	0.0
193	12	-3.90e-05	-4.25e-04	-9.45e-05	0.0	0.0	0.0
193	13	-5.84e-04	2.10e-04	-1.81e-04	0.0	1.10e-06	0.0
193	17	-5.84e-04	2.10e-04	-1.81e-04	0.0	1.10e-06	0.0
193	41	-0.02	0.02	-2.68e-03	3.54e-05	3.09e-05	0.0
193	73	-0.01	0.01	-2.07e-03	2.69e-05	2.37e-05	0.0
193	105	-0.01	0.01	-1.86e-03	2.39e-05	2.11e-05	0.0
193	137	-0.02	0.02	-3.20e-03	4.27e-05	3.72e-05	0.0
194	1	-3.88e-03	-7.21e-03	-0.01	1.31e-05	0.0	-2.80e-06
194	6	-3.55e-03	-8.66e-03	-0.01	1.59e-05	0.0	-1.17e-05
194	9	-2.95e-03	-5.34e-03	-7.74e-03	9.76e-06	0.0	-1.78e-06
194	12	-2.73e-03	-6.31e-03	-8.40e-03	1.16e-05	0.0	-7.74e-06
194	13	-3.13e-03	-4.72e-03	-7.33e-03	8.54e-06	-1.21e-06	0.0
194	16	-3.03e-03	-5.17e-03	-7.63e-03	9.40e-06	0.0	-2.29e-06
194	17	-3.13e-03	-4.72e-03	-7.33e-03	8.54e-06	-1.21e-06	0.0
194	18	-3.09e-03	-4.96e-03	-7.50e-03	9.00e-06	-1.09e-06	-1.58e-06
194	22	-0.07	-0.06	-0.07	1.13e-04	-1.34e-04	8.41e-05
194	38	-0.05	-0.07	-0.07	1.31e-04	-9.61e-05	-2.10e-04
194	54	-0.05	-0.04	-0.05	8.69e-05	-1.01e-04	6.26e-05
194	70	-0.04	-0.05	-0.05	1.00e-04	-7.17e-05	-1.60e-04
194	86	-0.05	-0.04	-0.05	7.81e-05	-8.97e-05	5.54e-05
194	102	-0.04	-0.05	-0.05	9.01e-05	-6.37e-05	-1.42e-04
194	118	-0.08	-0.07	-0.08	1.34e-04	-1.59e-04	1.01e-04
194	134	-0.06	-0.08	-0.08	1.55e-04	-1.14e-04	-2.54e-04
195	1	0.0	0.0	0.0	0.0	0.0	0.0
195	9	0.0	0.0	0.0	0.0	0.0	0.0
195	13	0.0	0.0	0.0	0.0	0.0	0.0
195	17	0.0	0.0	0.0	0.0	0.0	0.0
195	19	0.0	0.0	0.0	0.0	0.0	0.0
195	51	0.0	0.0	0.0	0.0	0.0	0.0
195	83	0.0	0.0	0.0	0.0	0.0	0.0
195	115	0.0	0.0	0.0	0.0	0.0	0.0
196	2	0.03	-0.07	-0.05	5.42e-05	2.97e-05	-2.42e-05
196	10	0.02	-0.04	-0.04	3.70e-05	2.07e-05	-1.64e-05
196	14	0.02	-0.02	-0.03	1.87e-05	1.73e-05	-7.90e-06
196	18	0.02	-0.02	-0.03	1.45e-05	1.61e-05	-5.31e-06
196	27	0.15	-0.44	-0.16	3.61e-04	1.31e-04	-1.73e-04

196	28	0.22	-1.09	-0.11	8.87e-04	2.03e-04	-3.92e-04
196	40	0.19	-1.32	8.16e-03	1.07e-03	1.81e-04	-4.53e-04
196	59	0.12	-0.34	-0.13	2.77e-04	1.03e-04	-1.33e-04
196	60	0.17	-0.83	-0.09	6.75e-04	1.56e-04	-2.98e-04
196	72	0.15	-1.00	-2.68e-03	8.16e-04	1.40e-04	-3.44e-04
196	91	0.10	-0.30	-0.12	2.48e-04	9.29e-05	-1.18e-04
196	92	0.15	-0.74	-0.09	6.01e-04	1.41e-04	-2.66e-04
196	104	0.13	-0.89	-6.14e-03	7.26e-04	1.26e-04	-3.07e-04
196	123	0.17	-0.52	-0.18	4.27e-04	1.54e-04	-2.07e-04
196	124	0.26	-1.30	-0.13	1.06e-03	2.41e-04	-4.71e-04
196	136	0.23	-1.58	0.02	1.29e-03	2.15e-04	-5.45e-04
197	2	0.02	-0.06	-0.05	5.41e-05	1.61e-05	-1.25e-05
197	6	0.02	-0.06	-0.05	5.24e-05	1.65e-05	-1.02e-05
197	10	0.02	-0.04	-0.04	3.70e-05	1.10e-05	-8.42e-06
197	12	0.02	-0.04	-0.04	3.59e-05	1.12e-05	-6.87e-06
197	14	0.01	-0.02	-0.04	1.87e-05	1.03e-05	-4.78e-06
197	16	0.01	-0.02	-0.04	1.71e-05	1.04e-05	-3.69e-06
197	18	0.01	-0.02	-0.04	1.45e-05	1.03e-05	-3.53e-06
197	19	0.27	-0.39	-0.11	3.18e-04	2.12e-04	3.04e-04
197	24	0.20	-0.97	-0.14	8.00e-04	1.57e-04	1.62e-04
197	40	-0.04	-1.30	-0.10	1.07e-03	-4.25e-05	-2.02e-04
197	51	0.21	-0.29	-0.09	2.41e-04	1.61e-04	2.26e-04
197	56	0.16	-0.74	-0.11	6.06e-04	1.21e-04	1.18e-04
197	72	-0.03	-0.99	-0.09	8.15e-04	-2.73e-05	-1.52e-04
197	83	0.19	-0.26	-0.08	2.15e-04	1.44e-04	2.00e-04
197	88	0.14	-0.65	-0.10	5.39e-04	1.08e-04	1.04e-04
197	104	-0.02	-0.88	-0.08	7.26e-04	-2.29e-05	-1.35e-04
197	115	0.32	-0.46	-0.12	3.79e-04	2.50e-04	3.65e-04
197	120	0.24	-1.17	-0.16	9.60e-04	1.85e-04	1.94e-04
197	136	-0.06	-1.57	-0.12	1.29e-03	-5.35e-05	-2.43e-04
198	1	0.02	-0.01	-6.68e-03	1.96e-05	2.65e-05	-4.32e-06
198	2	0.02	-0.02	-2.78e-03	2.87e-05	4.02e-05	-1.69e-05
198	6	0.02	-0.02	-3.15e-03	2.97e-05	3.67e-05	-1.59e-05
198	9	0.01	-8.43e-03	-5.14e-03	1.43e-05	1.89e-05	-2.80e-06
198	10	0.02	-0.01	-2.54e-03	2.04e-05	2.80e-05	-1.12e-05
198	12	0.02	-0.01	-2.78e-03	2.11e-05	2.57e-05	-1.05e-05
198	13	0.01	-6.10e-03	-5.94e-03	1.06e-05	1.83e-05	0.0
198	14	0.01	-8.26e-03	-4.64e-03	1.36e-05	2.29e-05	-4.15e-06
198	17	0.01	-6.10e-03	-5.94e-03	1.06e-05	1.83e-05	0.0
198	18	0.01	-7.39e-03	-5.16e-03	1.24e-05	2.10e-05	-2.48e-06
198	28	0.20	-0.19	0.08	3.03e-04	3.12e-04	-3.48e-04
198	40	0.18	-0.23	0.08	3.67e-04	2.74e-04	-4.22e-04
198	41	-0.16	0.21	-0.09	-3.43e-04	-2.32e-04	4.17e-04
198	60	0.15	-0.14	0.06	2.32e-04	2.39e-04	-2.64e-04
198	72	0.14	-0.18	0.06	2.80e-04	2.11e-04	-3.20e-04
198	73	-0.11	0.16	-0.07	-2.56e-04	-1.69e-04	3.15e-04
198	92	0.14	-0.13	0.05	2.07e-04	2.15e-04	-2.35e-04
198	104	0.12	-0.16	0.05	2.50e-04	1.89e-04	-2.84e-04
198	105	-0.10	0.14	-0.06	-2.26e-04	-1.47e-04	2.79e-04
198	124	0.24	-0.22	0.09	3.62e-04	3.70e-04	-4.17e-04
198	136	0.22	-0.27	0.10	4.40e-04	3.26e-04	-5.08e-04
198	137	-0.19	0.26	-0.11	-4.15e-04	-2.84e-04	5.03e-04
199	6	0.01	-0.03	-0.03	1.84e-05	2.03e-05	-2.93e-05
199	12	8.69e-03	-0.02	-0.02	1.32e-05	1.41e-05	-1.93e-05
199	16	7.14e-03	-0.02	-0.02	8.75e-06	1.31e-05	-5.73e-06
199	18	6.84e-03	-0.01	-0.02	8.01e-06	1.29e-05	-3.94e-06
199	19	0.27	0.20	0.13	7.35e-05	2.07e-04	-2.18e-04
199	22	-0.25	-0.23	-0.17	-5.75e-05	-1.82e-04	2.10e-04
199	38	-0.18	-0.27	-0.17	1.50e-04	-1.28e-04	-5.26e-04
199	51	0.20	0.14	0.10	5.69e-05	1.59e-04	-1.64e-04
199	54	-0.19	-0.17	-0.13	-4.09e-05	-1.33e-04	1.57e-04
199	74	-0.12	-0.20	-0.13	1.14e-04	-8.68e-05	-3.90e-04
199	83	0.18	0.12	0.08	5.13e-05	1.42e-04	-1.46e-04
199	102	-0.12	-0.18	-0.12	1.03e-04	-8.01e-05	-3.55e-04
199	106	-0.11	-0.18	-0.12	1.02e-04	-7.55e-05	-3.46e-04
199	115	0.32	0.24	0.16	8.68e-05	2.44e-04	-2.61e-04
199	134	-0.21	-0.32	-0.20	1.79e-04	-1.55e-04	-6.34e-04
200	5	0.40	-0.23	-0.08	2.92e-05	6.64e-05	-1.31e-04
200	6	0.40	-0.32	-0.08	4.41e-05	6.62e-05	-2.51e-04
200	11	0.28	-0.16	-0.06	2.11e-05	4.57e-05	-9.23e-05
200	12	0.28	-0.23	-0.06	3.11e-05	4.56e-05	-1.72e-04
200	14	0.27	-0.14	-0.06	1.81e-05	4.50e-05	-8.97e-05
200	15	0.27	-0.11	-0.06	1.30e-05	4.53e-05	-4.47e-05
200	16	0.27	-0.13	-0.06	1.73e-05	4.52e-05	-7.88e-05
200	17	0.27	-0.09	-0.06	1.10e-05	4.52e-05	-3.28e-05

200	18	0.27	-0.12	-0.06	1.53e-05	4.51e-05	-6.70e-05
200	19	3.55	-1.37	0.38	1.89e-04	4.91e-04	-1.26e-03
200	22	-3.01	1.13	-0.49	-1.59e-04	-4.01e-04	1.13e-03
200	40	-0.71	-4.46	-0.30	6.31e-04	-9.77e-05	-4.48e-03
200	51	2.72	-1.06	0.27	1.46e-04	3.77e-04	-9.68e-04
200	54	-2.18	0.82	-0.38	-1.15e-04	-2.86e-04	8.34e-04
200	72	-0.43	-3.40	-0.24	4.81e-04	-5.78e-05	-3.41e-03
200	83	2.44	-0.95	0.23	1.31e-04	3.39e-04	-8.67e-04
200	86	-1.90	0.71	-0.34	-1.01e-04	-2.49e-04	7.33e-04
200	104	-0.35	-3.04	-0.22	4.29e-04	-4.58e-05	-3.04e-03
200	115	4.17	-1.63	0.47	2.25e-04	5.77e-04	-1.51e-03
200	118	-3.63	1.39	-0.58	-1.94e-04	-4.86e-04	1.37e-03
200	136	-0.91	-5.36	-0.35	7.58e-04	-1.27e-04	-5.40e-03
201	2	0.08	-0.13	-0.08	5.43e-05	4.53e-05	-3.87e-05
201	10	0.06	-0.09	-0.06	3.73e-05	3.12e-05	-2.63e-05
201	14	0.05	-0.05	-0.05	1.90e-05	2.51e-05	-1.26e-05
201	18	0.04	-0.04	-0.05	1.48e-05	2.32e-05	-8.49e-06
201	27	0.35	-0.88	-0.24	3.47e-04	2.07e-04	-2.78e-04
201	28	0.54	-2.17	-0.18	8.56e-04	3.31e-04	-6.27e-04
201	40	0.48	-2.63	0.01	1.04e-03	3.03e-04	-7.24e-04
201	59	0.28	-0.68	-0.19	2.67e-04	1.62e-04	-2.12e-04
201	60	0.42	-1.65	-0.14	6.51e-04	2.55e-04	-4.77e-04
201	72	0.37	-2.00	-6.08e-03	7.88e-04	2.34e-04	-5.51e-04
201	91	0.25	-0.61	-0.18	2.39e-04	1.46e-04	-1.89e-04
201	92	0.38	-1.47	-0.13	5.80e-04	2.29e-04	-4.25e-04
201	104	0.34	-1.78	-0.01	7.02e-04	2.10e-04	-4.90e-04
201	123	0.41	-1.05	-0.28	4.11e-04	2.44e-04	-3.32e-04
201	124	0.65	-2.60	-0.20	1.02e-03	3.94e-04	-7.54e-04
201	136	0.57	-3.17	0.02	1.25e-03	3.61e-04	-8.72e-04
202	2	0.05	-0.13	-0.08	5.69e-05	2.53e-05	-2.00e-05
202	6	0.05	-0.13	-0.08	5.55e-05	2.57e-05	-1.63e-05
202	10	0.03	-0.09	-0.06	3.91e-05	1.73e-05	-1.35e-05
202	12	0.04	-0.09	-0.06	3.81e-05	1.75e-05	-1.10e-05
202	14	0.03	-0.05	-0.06	2.01e-05	1.68e-05	-7.65e-06
202	16	0.03	-0.04	-0.06	1.85e-05	1.69e-05	-5.91e-06
202	18	0.03	-0.04	-0.06	1.57e-05	1.67e-05	-5.64e-06
202	19	0.57	-0.78	-0.16	3.16e-04	2.88e-04	4.87e-04
202	24	0.43	-1.97	-0.21	8.00e-04	2.12e-04	2.59e-04
202	40	-0.10	-2.64	-0.16	1.07e-03	-6.07e-05	-3.23e-04
202	51	0.43	-0.59	-0.14	2.41e-04	2.20e-04	3.62e-04
202	56	0.33	-1.49	-0.17	6.07e-04	1.63e-04	1.89e-04
202	72	-0.06	-2.00	-0.13	8.15e-04	-3.87e-05	-2.43e-04
202	83	0.39	-0.53	-0.13	2.15e-04	1.97e-04	3.20e-04
202	88	0.30	-1.33	-0.16	5.40e-04	1.47e-04	1.67e-04
202	104	-0.05	-1.78	-0.12	7.26e-04	-3.22e-05	-2.17e-04
202	115	0.67	-0.93	-0.18	3.77e-04	3.40e-04	5.84e-04
202	120	0.50	-2.36	-0.23	9.61e-04	2.49e-04	3.10e-04
202	136	-0.13	-3.17	-0.18	1.29e-03	-7.69e-05	-3.89e-04
203	1	0.05	-0.03	-0.02	1.81e-05	3.32e-05	-1.08e-05
203	2	0.07	-0.05	-6.61e-03	2.75e-05	4.72e-05	-4.21e-05
203	6	0.07	-0.05	-7.48e-03	2.80e-05	4.40e-05	-3.98e-05
203	9	0.03	-0.03	-0.01	1.35e-05	2.33e-05	-7.01e-06
203	10	0.05	-0.04	-6.01e-03	1.97e-05	3.26e-05	-2.79e-05
203	12	0.05	-0.04	-6.59e-03	2.00e-05	3.05e-05	-2.63e-05
203	13	0.03	-0.02	-0.01	1.01e-05	2.23e-05	0.0
203	14	0.04	-0.02	-0.01	1.32e-05	2.69e-05	-1.04e-05
203	17	0.03	-0.02	-0.01	1.01e-05	2.23e-05	0.0
203	18	0.04	-0.02	-0.01	1.20e-05	2.50e-05	-6.20e-06
203	28	0.56	-0.52	0.17	2.88e-04	3.19e-04	-8.70e-04
203	40	0.50	-0.63	0.19	3.47e-04	2.90e-04	-1.05e-03
203	41	-0.42	0.58	-0.22	-3.23e-04	-2.40e-04	1.04e-03
203	60	0.43	-0.40	0.13	2.21e-04	2.46e-04	-6.61e-04
203	72	0.38	-0.48	0.14	2.65e-04	2.24e-04	-7.99e-04
203	73	-0.31	0.44	-0.17	-2.41e-04	-1.74e-04	7.87e-04
203	92	0.38	-0.36	0.11	1.97e-04	2.21e-04	-5.87e-04
203	104	0.35	-0.43	0.13	2.37e-04	2.02e-04	-7.10e-04
203	105	-0.27	0.38	-0.15	-2.13e-04	-1.52e-04	6.98e-04
203	124	0.66	-0.62	0.21	3.43e-04	3.79e-04	-1.04e-03
203	136	0.59	-0.75	0.24	4.16e-04	3.44e-04	-1.27e-03
203	137	-0.52	0.71	-0.26	-3.92e-04	-2.94e-04	1.26e-03
204	6	0.04	-0.05	-0.04	2.57e-05	2.97e-05	-4.69e-05
204	12	0.03	-0.04	-0.03	1.81e-05	2.04e-05	-3.09e-05
204	14	0.03	-0.03	-0.03	1.09e-05	1.95e-05	-1.15e-05
204	16	0.03	-0.03	-0.03	1.07e-05	1.96e-05	-9.17e-06
204	18	0.02	-0.03	-0.03	9.52e-06	1.94e-05	-6.30e-06

204	19	0.56	-0.21	0.20	1.11e-04	2.91e-04	-3.49e-04
204	22	-0.51	0.16	-0.25	-9.17e-05	-2.52e-04	3.36e-04
204	40	-0.11	-0.61	-0.15	3.57e-04	-5.53e-05	-1.25e-03
204	51	0.43	-0.16	0.14	8.54e-05	2.23e-04	-2.63e-04
204	70	-0.27	-0.32	-0.20	1.85e-04	-1.31e-04	-6.39e-04
204	72	-0.07	-0.47	-0.12	2.72e-04	-3.40e-05	-9.48e-04
204	83	0.38	-0.15	0.12	7.68e-05	2.00e-04	-2.34e-04
204	102	-0.23	-0.29	-0.18	1.65e-04	-1.14e-04	-5.68e-04
204	104	-0.06	-0.42	-0.11	2.43e-04	-2.77e-05	-8.43e-04
204	115	0.67	-0.24	0.25	1.31e-04	3.42e-04	-4.18e-04
204	134	-0.44	-0.49	-0.30	2.89e-04	-2.23e-04	-1.01e-03
204	136	-0.14	-0.73	-0.18	4.28e-04	-7.09e-05	-1.51e-03
205	2	0.22	-0.29	-0.12	1.09e-04	7.31e-05	-8.58e-05
205	10	0.15	-0.20	-0.09	7.53e-05	5.02e-05	-5.85e-05
205	14	0.13	-0.10	-0.08	3.98e-05	4.10e-05	-2.83e-05
205	18	0.12	-0.08	-0.08	3.20e-05	3.81e-05	-1.92e-05
205	27	0.96	-1.75	-0.37	5.99e-04	3.00e-04	-5.77e-04
205	28	1.53	-4.30	-0.27	1.46e-03	4.85e-04	-1.29e-03
205	40	1.40	-5.22	0.01	1.77e-03	4.53e-04	-1.48e-03
205	59	0.75	-1.35	-0.30	4.62e-04	2.34e-04	-4.40e-04
205	60	1.18	-3.28	-0.22	1.11e-03	3.74e-04	-9.80e-04
205	72	1.08	-3.96	-0.01	1.34e-03	3.50e-04	-1.13e-03
205	91	0.68	-1.21	-0.27	4.14e-04	2.12e-04	-3.93e-04
205	92	1.06	-2.92	-0.21	9.92e-04	3.36e-04	-8.73e-04
205	104	0.97	-3.53	-0.02	1.20e-03	3.15e-04	-1.00e-03
205	123	1.13	-2.08	-0.43	7.11e-04	3.53e-04	-6.91e-04
205	124	1.82	-5.15	-0.31	1.75e-03	5.76e-04	-1.55e-03
205	136	1.66	-6.27	0.03	2.12e-03	5.39e-04	-1.78e-03
206	2	0.14	-0.28	-0.13	1.10e-04	4.63e-05	-4.32e-05
206	6	0.14	-0.27	-0.13	1.09e-04	4.68e-05	-3.56e-05
206	10	0.09	-0.19	-0.09	7.62e-05	3.18e-05	-2.91e-05
206	12	0.09	-0.19	-0.09	7.53e-05	3.22e-05	-2.41e-05
206	14	0.09	-0.10	-0.09	4.04e-05	3.14e-05	-1.76e-05
206	16	0.09	-0.09	-0.09	3.79e-05	3.16e-05	-1.41e-05
206	18	0.09	-0.08	-0.09	3.25e-05	3.14e-05	-1.36e-05
206	19	1.39	-1.52	-0.25	5.29e-04	3.95e-04	9.14e-04
206	24	1.03	-3.85	-0.31	1.34e-03	2.90e-04	4.78e-04
206	40	-0.27	-5.15	-0.24	1.79e-03	-7.75e-05	-6.22e-04
206	51	1.06	-1.16	-0.21	4.05e-04	3.03e-04	6.77e-04
206	56	0.80	-2.92	-0.26	1.02e-03	2.25e-04	3.48e-04
206	72	-0.17	-3.91	-0.21	1.36e-03	-4.68e-05	-4.70e-04
206	83	0.95	-1.04	-0.20	3.63e-04	2.72e-04	5.98e-04
206	88	0.72	-2.60	-0.24	9.09e-04	2.03e-04	3.06e-04
206	104	-0.14	-3.48	-0.19	1.21e-03	-3.76e-05	-4.19e-04
206	115	1.64	-1.81	-0.28	6.30e-04	4.64e-04	1.10e-03
206	120	1.21	-4.62	-0.36	1.61e-03	3.40e-04	5.74e-04
206	136	-0.34	-6.19	-0.27	2.15e-03	-1.00e-04	-7.50e-04
207	1	0.15	-0.08	-0.03	2.01e-05	4.69e-05	-3.60e-05
207	2	0.22	-0.12	-0.01	3.62e-05	6.93e-05	-1.10e-04
207	6	0.20	-0.13	-0.01	3.63e-05	6.46e-05	-1.06e-04
207	9	0.10	-0.06	-0.02	1.48e-05	3.24e-05	-2.45e-05
207	10	0.15	-0.09	-0.01	2.55e-05	4.73e-05	-7.38e-05
207	12	0.14	-0.09	-0.01	2.56e-05	4.43e-05	-7.10e-05
207	13	0.10	-0.04	-0.03	9.87e-06	3.03e-05	-6.55e-06
207	14	0.12	-0.06	-0.02	1.52e-05	3.78e-05	-3.12e-05
207	17	0.10	-0.04	-0.03	9.87e-06	3.03e-05	-6.55e-06
207	18	0.11	-0.05	-0.02	1.31e-05	3.48e-05	-2.13e-05
207	28	1.53	-1.37	0.33	4.24e-04	4.91e-04	-1.99e-03
207	40	1.41	-1.67	0.36	5.13e-04	4.61e-04	-2.42e-03
207	41	-1.18	1.57	-0.41	-4.87e-04	-3.92e-04	2.38e-03
207	60	1.18	-1.05	0.24	3.24e-04	3.77e-04	-1.52e-03
207	72	1.08	-1.27	0.27	3.91e-04	3.56e-04	-1.83e-03
207	73	-0.86	1.17	-0.31	-3.65e-04	-2.86e-04	1.79e-03
207	92	1.06	-0.94	0.21	2.89e-04	3.39e-04	-1.35e-03
207	104	0.97	-1.14	0.23	3.49e-04	3.20e-04	-1.63e-03
207	105	-0.75	1.04	-0.28	-3.23e-04	-2.50e-04	1.59e-03
207	124	1.82	-1.64	0.40	5.07e-04	5.84e-04	-2.39e-03
207	136	1.67	-2.00	0.44	6.16e-04	5.49e-04	-2.91e-03
207	137	-1.44	1.90	-0.49	-5.90e-04	-4.80e-04	2.87e-03
208	6	0.13	-0.13	-0.06	3.60e-05	4.14e-05	-1.09e-04
208	12	0.09	-0.09	-0.05	2.54e-05	2.82e-05	-7.29e-05
208	14	0.08	-0.06	-0.04	1.52e-05	2.76e-05	-3.11e-05
208	16	0.09	-0.06	-0.04	1.47e-05	2.78e-05	-2.68e-05
208	18	0.08	-0.05	-0.04	1.31e-05	2.77e-05	-2.06e-05
208	19	1.39	-0.54	0.30	1.55e-04	3.95e-04	-6.96e-04

208	22	-1.22	0.43	-0.38	-1.29e-04	-3.39e-04	6.55e-04
208	40	-0.28	-1.66	-0.23	5.06e-04	-8.42e-05	-2.48e-03
208	51	1.06	-0.41	0.21	1.20e-04	3.02e-04	-5.28e-04
208	70	-0.64	-0.86	-0.29	2.62e-04	-1.83e-04	-1.27e-03
208	72	-0.17	-1.27	-0.18	3.86e-04	-5.27e-05	-1.88e-03
208	83	0.95	-0.37	0.18	1.08e-04	2.71e-04	-4.70e-04
208	102	-0.56	-0.77	-0.27	2.34e-04	-1.59e-04	-1.13e-03
208	104	-0.14	-1.13	-0.17	3.44e-04	-4.33e-05	-1.67e-03
208	115	1.64	-0.63	0.36	1.84e-04	4.65e-04	-8.33e-04
208	134	-1.08	-1.34	-0.45	4.10e-04	-3.12e-04	-2.01e-03
208	136	-0.35	-1.99	-0.27	6.08e-04	-1.07e-04	-2.98e-03
209	2	0.31	-0.42	-0.14	1.10e-04	7.95e-05	-1.18e-04
209	10	0.22	-0.29	-0.10	7.60e-05	5.43e-05	-8.09e-05
209	14	0.18	-0.15	-0.10	4.08e-05	4.37e-05	-3.93e-05
209	18	0.16	-0.12	-0.09	3.31e-05	4.04e-05	-2.68e-05
209	27	1.34	-2.50	-0.42	5.87e-04	3.33e-04	-7.74e-04
209	28	2.15	-6.13	-0.31	1.43e-03	5.46e-04	-1.72e-03
209	40	1.98	-7.43	0.01	1.73e-03	5.15e-04	-1.97e-03
209	59	1.05	-1.93	-0.33	4.53e-04	2.60e-04	-5.89e-04
209	60	1.66	-4.67	-0.25	1.09e-03	4.20e-04	-1.31e-03
209	72	1.53	-5.65	-0.02	1.32e-03	3.97e-04	-1.50e-03
209	91	0.95	-1.72	-0.31	4.06e-04	2.35e-04	-5.26e-04
209	92	1.49	-4.16	-0.23	9.73e-04	3.77e-04	-1.16e-03
209	104	1.38	-5.03	-0.03	1.18e-03	3.57e-04	-1.33e-03
209	123	1.58	-2.97	-0.48	6.97e-04	3.92e-04	-9.27e-04
209	124	2.55	-7.35	-0.35	1.72e-03	6.49e-04	-2.07e-03
209	136	2.36	-8.93	0.03	2.09e-03	6.13e-04	-2.37e-03
210	2	0.19	-0.42	-0.15	1.16e-04	4.89e-05	-5.88e-05
210	6	0.19	-0.42	-0.15	1.14e-04	4.94e-05	-4.89e-05
210	10	0.13	-0.29	-0.11	8.02e-05	3.35e-05	-3.98e-05
210	12	0.13	-0.29	-0.11	7.91e-05	3.38e-05	-3.31e-05
210	14	0.13	-0.15	-0.10	4.34e-05	3.33e-05	-2.46e-05
210	16	0.13	-0.14	-0.10	4.08e-05	3.35e-05	-2.00e-05
210	18	0.13	-0.12	-0.10	3.53e-05	3.33e-05	-1.93e-05
210	19	1.89	-2.19	-0.28	5.35e-04	4.37e-04	1.16e-03
210	24	1.40	-5.56	-0.36	1.36e-03	3.19e-04	6.02e-04
210	40	-0.37	-7.43	-0.28	1.81e-03	-9.22e-05	-8.00e-04
210	51	1.45	-1.67	-0.24	4.11e-04	3.34e-04	8.58e-04
210	56	1.08	-4.22	-0.29	1.03e-03	2.47e-04	4.37e-04
210	72	-0.23	-5.65	-0.23	1.38e-03	-5.70e-05	-6.05e-04
210	83	1.30	-1.50	-0.22	3.68e-04	3.00e-04	7.58e-04
210	88	0.97	-3.76	-0.27	9.23e-04	2.23e-04	3.84e-04
210	104	-0.19	-5.03	-0.22	1.23e-03	-4.64e-05	-5.39e-04
210	115	2.22	-2.61	-0.32	6.37e-04	5.14e-04	1.39e-03
210	120	1.64	-6.67	-0.40	1.63e-03	3.73e-04	7.24e-04
210	136	-0.47	-8.94	-0.31	2.18e-03	-1.18e-04	-9.65e-04
211	1	0.21	-0.10	-0.04	2.29e-05	5.78e-05	-5.48e-05
211	2	0.31	-0.17	-0.02	4.06e-05	8.24e-05	-1.52e-04
211	6	0.29	-0.17	-0.02	4.07e-05	7.73e-05	-1.48e-04
211	9	0.15	-0.08	-0.03	1.69e-05	4.00e-05	-3.78e-05
211	10	0.21	-0.12	-0.01	2.87e-05	5.64e-05	-1.03e-04
211	12	0.20	-0.12	-0.02	2.88e-05	5.30e-05	-9.98e-05
211	13	0.14	-0.05	-0.03	1.16e-05	3.78e-05	-1.32e-05
211	14	0.17	-0.08	-0.02	1.74e-05	4.60e-05	-4.58e-05
211	17	0.14	-0.05	-0.03	1.16e-05	3.78e-05	-1.32e-05
211	18	0.16	-0.07	-0.03	1.51e-05	4.27e-05	-3.27e-05
211	28	2.15	-1.90	0.38	4.64e-04	5.44e-04	-2.60e-03
211	40	1.98	-2.31	0.42	5.62e-04	5.11e-04	-3.15e-03
211	41	-1.66	2.17	-0.47	-5.32e-04	-4.25e-04	3.09e-03
211	60	1.65	-1.46	0.28	3.55e-04	4.19e-04	-1.98e-03
211	72	1.53	-1.76	0.31	4.29e-04	3.94e-04	-2.39e-03
211	73	-1.21	1.63	-0.37	-3.98e-04	-3.09e-04	2.33e-03
211	92	1.49	-1.30	0.25	3.17e-04	3.77e-04	-1.76e-03
211	104	1.38	-1.57	0.27	3.82e-04	3.55e-04	-2.13e-03
211	105	-1.06	1.44	-0.33	-3.52e-04	-2.69e-04	2.06e-03
211	124	2.56	-2.28	0.46	5.56e-04	6.47e-04	-3.12e-03
211	136	2.36	-2.77	0.51	6.75e-04	6.07e-04	-3.79e-03
211	137	-2.04	2.64	-0.57	-6.44e-04	-5.22e-04	3.73e-03
212	6	0.19	-0.18	-0.07	3.78e-05	5.36e-05	-1.53e-04
212	12	0.13	-0.12	-0.05	2.66e-05	3.69e-05	-1.03e-04
212	14	0.12	-0.08	-0.05	1.49e-05	3.61e-05	-4.64e-05
212	16	0.12	-0.08	-0.05	1.43e-05	3.63e-05	-4.10e-05
212	18	0.12	-0.07	-0.05	1.25e-05	3.62e-05	-3.25e-05
212	19	1.89	-0.73	0.33	1.70e-04	4.37e-04	-9.14e-04
212	22	-1.64	0.59	-0.43	-1.45e-04	-3.65e-04	8.49e-04

212	40	-0.38	-2.31	-0.26	5.69e-04	-8.62e-05	-3.23e-03
212	51	1.44	-0.56	0.23	1.31e-04	3.35e-04	-6.95e-04
212	70	-0.86	-1.20	-0.33	2.94e-04	-1.94e-04	-1.66e-03
212	72	-0.23	-1.76	-0.20	4.33e-04	-5.18e-05	-2.45e-03
212	83	1.29	-0.51	0.20	1.18e-04	3.01e-04	-6.20e-04
212	102	-0.75	-1.07	-0.30	2.62e-04	-1.68e-04	-1.48e-03
212	104	-0.19	-1.57	-0.19	3.86e-04	-4.15e-05	-2.18e-03
212	115	2.22	-0.86	0.41	2.02e-04	5.14e-04	-1.09e-03
212	134	-1.47	-1.87	-0.50	4.61e-04	-3.35e-04	-2.63e-03
212	136	-0.48	-2.77	-0.30	6.83e-04	-1.12e-04	-3.89e-03
213	2	0.53	-0.62	-0.17	1.15e-04	9.53e-05	-1.51e-04
213	10	0.36	-0.43	-0.12	8.13e-05	6.51e-05	-1.03e-04
213	14	0.29	-0.24	-0.11	4.98e-05	5.31e-05	-5.03e-05
213	18	0.27	-0.19	-0.11	4.27e-05	4.94e-05	-3.44e-05
213	27	2.19	-3.48	-0.48	5.32e-04	3.69e-04	-9.71e-04
213	28	3.53	-8.54	-0.35	1.29e-03	6.05e-04	-2.15e-03
213	40	3.29	-10.37	8.27e-03	1.57e-03	5.74e-04	-2.46e-03
213	59	1.71	-2.69	-0.38	4.14e-04	2.88e-04	-7.40e-04
213	60	2.72	-6.51	-0.29	9.89e-04	4.66e-04	-1.63e-03
213	72	2.54	-7.89	-0.02	1.20e-03	4.43e-04	-1.87e-03
213	91	1.55	-2.41	-0.35	3.72e-04	2.61e-04	-6.60e-04
213	92	2.44	-5.81	-0.27	8.83e-04	4.19e-04	-1.45e-03
213	104	2.29	-7.03	-0.03	1.07e-03	3.99e-04	-1.66e-03
213	123	2.57	-4.13	-0.55	6.31e-04	4.34e-04	-1.16e-03
213	124	4.20	-10.24	-0.40	1.55e-03	7.19e-04	-2.59e-03
213	136	3.91	-12.46	0.03	1.89e-03	6.82e-04	-2.96e-03
214	2	0.33	-0.62	-0.18	1.17e-04	6.25e-05	-7.30e-05
214	6	0.33	-0.61	-0.18	1.15e-04	6.30e-05	-5.77e-05
214	10	0.22	-0.43	-0.13	8.31e-05	4.30e-05	-4.92e-05
214	12	0.23	-0.42	-0.13	8.16e-05	4.34e-05	-3.89e-05
214	14	0.22	-0.23	-0.12	5.08e-05	4.30e-05	-3.57e-05
214	16	0.22	-0.22	-0.12	4.82e-05	4.33e-05	-2.91e-05
214	18	0.22	-0.19	-0.12	4.35e-05	4.32e-05	-2.96e-05
214	19	2.98	-3.03	-0.33	4.77e-04	4.69e-04	1.48e-03
214	24	2.19	-7.70	-0.41	1.21e-03	3.42e-04	8.26e-04
214	40	-0.59	-10.31	-0.32	1.61e-03	-9.41e-05	-9.30e-04
214	51	2.28	-2.32	-0.28	3.70e-04	3.60e-04	1.08e-03
214	56	1.70	-5.86	-0.34	9.22e-04	2.66e-04	5.94e-04
214	72	-0.36	-7.84	-0.27	1.23e-03	-5.58e-05	-7.02e-04
214	83	2.05	-2.08	-0.26	3.33e-04	3.24e-04	9.57e-04
214	88	1.53	-5.22	-0.31	8.23e-04	2.41e-04	5.22e-04
214	104	-0.29	-6.98	-0.25	1.10e-03	-4.43e-05	-6.27e-04
214	115	3.50	-3.61	-0.36	5.66e-04	5.50e-04	1.77e-03
214	120	2.57	-9.25	-0.46	1.45e-03	3.99e-04	9.95e-04
214	136	-0.76	-12.39	-0.36	1.93e-03	-1.23e-04	-1.12e-03
215	1	0.36	-0.15	-0.04	2.23e-05	6.50e-05	-8.51e-05
215	2	0.52	-0.27	-0.02	4.28e-05	9.31e-05	-2.26e-04
215	6	0.49	-0.27	-0.02	4.25e-05	8.73e-05	-2.17e-04
215	9	0.25	-0.11	-0.03	1.65e-05	4.47e-05	-6.00e-05
215	10	0.36	-0.19	-0.02	3.02e-05	6.35e-05	-1.54e-04
215	12	0.34	-0.19	-0.02	2.99e-05	5.97e-05	-1.48e-04
215	13	0.24	-0.08	-0.04	1.07e-05	4.21e-05	-2.72e-05
215	14	0.29	-0.12	-0.03	1.76e-05	5.15e-05	-7.43e-05
215	17	0.24	-0.08	-0.04	1.07e-05	4.21e-05	-2.72e-05
215	18	0.27	-0.10	-0.03	1.48e-05	4.77e-05	-5.55e-05
215	28	3.54	-3.07	0.45	5.03e-04	6.08e-04	-3.42e-03
215	40	3.29	-3.72	0.49	6.08e-04	5.76e-04	-4.13e-03
215	41	-2.75	3.52	-0.56	-5.79e-04	-4.81e-04	4.02e-03
215	60	2.72	-2.35	0.33	3.85e-04	4.67e-04	-2.61e-03
215	72	2.54	-2.84	0.36	4.64e-04	4.45e-04	-3.14e-03
215	73	-2.00	2.64	-0.43	-4.34e-04	-3.49e-04	3.02e-03
215	92	2.44	-2.10	0.29	3.43e-04	4.20e-04	-2.32e-03
215	104	2.29	-2.53	0.32	4.14e-04	4.00e-04	-2.79e-03
215	105	-1.75	2.33	-0.39	-3.84e-04	-3.04e-04	2.68e-03
215	124	4.20	-3.68	0.55	6.03e-04	7.23e-04	-4.11e-03
215	136	3.92	-4.47	0.60	7.31e-04	6.85e-04	-4.97e-03
215	137	-3.38	4.27	-0.67	-7.01e-04	-5.90e-04	4.85e-03
216	6	0.33	-0.27	-0.08	4.21e-05	6.05e-05	-2.24e-04
216	12	0.22	-0.19	-0.06	2.97e-05	4.15e-05	-1.53e-04
216	14	0.22	-0.12	-0.06	1.73e-05	4.11e-05	-7.57e-05
216	16	0.22	-0.12	-0.06	1.65e-05	4.14e-05	-6.71e-05
216	18	0.22	-0.10	-0.05	1.46e-05	4.12e-05	-5.57e-05
216	19	2.97	-1.15	0.37	1.82e-04	4.68e-04	-1.20e-03
216	22	-2.54	0.95	-0.48	-1.53e-04	-3.85e-04	1.09e-03
216	40	-0.60	-3.72	-0.29	6.07e-04	-9.58e-05	-4.24e-03

216	51	2.28	-0.89	0.26	1.41e-04	3.59e-04	-9.14e-04
216	70	-1.35	-1.93	-0.37	3.14e-04	-2.08e-04	-2.17e-03
216	72	-0.37	-2.84	-0.23	4.63e-04	-5.76e-05	-3.22e-03
216	83	2.04	-0.80	0.23	1.26e-04	3.23e-04	-8.17e-04
216	102	-1.17	-1.73	-0.34	2.81e-04	-1.80e-04	-1.94e-03
216	104	-0.30	-2.53	-0.21	4.13e-04	-4.61e-05	-2.86e-03
216	115	3.50	-1.37	0.45	2.16e-04	5.50e-04	-1.43e-03
216	134	-2.30	-3.02	-0.56	4.92e-04	-3.61e-04	-3.44e-03
216	136	-0.77	-4.47	-0.34	7.29e-04	-1.24e-04	-5.10e-03
217	2	0.64	-0.79	-0.18	1.65e-04	9.78e-05	-1.51e-04
217	10	0.44	-0.55	-0.12	1.15e-04	6.67e-05	-1.03e-04
217	14	0.36	-0.31	-0.12	6.38e-05	5.44e-05	-5.03e-05
217	18	0.33	-0.25	-0.12	5.30e-05	5.06e-05	-3.44e-05
217	27	2.64	-4.26	-0.49	7.54e-04	3.78e-04	-9.71e-04
217	28	4.27	-10.41	-0.36	1.79e-03	6.21e-04	-2.15e-03
217	40	3.99	-12.62	5.63e-03	2.15e-03	5.90e-04	-2.46e-03
217	59	2.06	-3.29	-0.40	5.85e-04	2.95e-04	-7.40e-04
217	60	3.29	-7.94	-0.30	1.37e-03	4.78e-04	-1.63e-03
217	72	3.08	-9.60	-0.03	1.64e-03	4.56e-04	-1.87e-03
217	91	1.86	-2.95	-0.36	5.25e-04	2.67e-04	-6.60e-04
217	92	2.95	-7.08	-0.28	1.22e-03	4.30e-04	-1.45e-03
217	104	2.77	-8.56	-0.04	1.46e-03	4.10e-04	-1.66e-03
217	123	3.10	-5.05	-0.57	8.94e-04	4.45e-04	-1.16e-03
217	124	5.07	-12.47	-0.41	2.15e-03	7.38e-04	-2.59e-03
217	136	4.75	-15.17	0.03	2.58e-03	7.01e-04	-2.96e-03
218	2	0.40	-0.79	-0.19	1.65e-04	6.37e-05	-7.16e-05
218	5	0.41	-0.49	-0.18	1.08e-04	6.58e-05	-2.38e-05
218	6	0.41	-0.78	-0.19	1.64e-04	6.43e-05	-5.32e-05
218	10	0.28	-0.55	-0.13	1.16e-04	4.39e-05	-4.80e-05
218	11	0.28	-0.35	-0.13	7.79e-05	4.53e-05	-1.61e-05
218	12	0.28	-0.54	-0.13	1.15e-04	4.43e-05	-3.57e-05
218	14	0.27	-0.31	-0.13	6.69e-05	4.45e-05	-3.97e-05
218	15	0.27	-0.21	-0.13	4.80e-05	4.53e-05	-2.38e-05
218	16	0.27	-0.29	-0.13	6.38e-05	4.48e-05	-3.22e-05
218	17	0.27	-0.17	-0.13	4.05e-05	4.53e-05	-2.57e-05
218	18	0.27	-0.25	-0.13	5.64e-05	4.48e-05	-3.41e-05
218	19	3.54	-3.72	-0.34	6.55e-04	4.64e-04	1.58e-03
218	24	2.60	-9.44	-0.42	1.64e-03	3.35e-04	9.45e-04
218	40	-0.71	-12.61	-0.33	2.15e-03	-9.93e-05	-8.91e-04
218	51	2.71	-2.85	-0.29	5.07e-04	3.57e-04	1.15e-03
218	56	2.02	-7.18	-0.35	1.25e-03	2.61e-04	6.78e-04
218	72	-0.43	-9.60	-0.28	1.64e-03	-5.96e-05	-6.71e-04
218	83	2.43	-2.56	-0.27	4.56e-04	3.22e-04	1.02e-03
218	88	1.82	-6.40	-0.33	1.12e-03	2.37e-04	5.95e-04
218	104	-0.35	-8.55	-0.27	1.46e-03	-4.75e-05	-5.99e-04
218	115	4.16	-4.43	-0.38	7.78e-04	5.44e-04	1.89e-03
218	120	3.04	-11.33	-0.48	1.97e-03	3.90e-04	1.14e-03
218	136	-0.91	-15.16	-0.37	2.59e-03	-1.29e-04	-1.07e-03
219	1	0.44	-0.18	-0.05	2.26e-05	6.95e-05	-9.66e-05
219	2	0.64	-0.32	-0.02	4.38e-05	9.84e-05	-2.58e-04
219	6	0.60	-0.32	-0.02	4.35e-05	9.25e-05	-2.44e-04
219	9	0.31	-0.14	-0.04	1.67e-05	4.78e-05	-6.89e-05
219	10	0.44	-0.23	-0.02	3.08e-05	6.71e-05	-1.76e-04
219	12	0.41	-0.23	-0.02	3.06e-05	6.32e-05	-1.67e-04
219	13	0.29	-0.09	-0.04	1.07e-05	4.50e-05	-3.46e-05
219	14	0.36	-0.14	-0.03	1.77e-05	5.47e-05	-8.84e-05
219	17	0.29	-0.09	-0.04	1.07e-05	4.50e-05	-3.46e-05
219	18	0.33	-0.12	-0.04	1.49e-05	5.08e-05	-6.69e-05
219	28	4.27	-3.68	0.46	5.21e-04	6.24e-04	-3.65e-03
219	40	3.99	-4.46	0.51	6.30e-04	5.93e-04	-4.37e-03
219	41	-3.33	4.22	-0.58	-6.00e-04	-4.91e-04	4.24e-03
219	60	3.29	-2.82	0.34	3.98e-04	4.80e-04	-2.78e-03
219	72	3.08	-3.40	0.38	4.80e-04	4.58e-04	-3.32e-03
219	73	-2.42	3.17	-0.45	-4.50e-04	-3.56e-04	3.19e-03
219	92	2.95	-2.52	0.30	3.55e-04	4.31e-04	-2.48e-03
219	104	2.77	-3.04	0.33	4.28e-04	4.12e-04	-2.96e-03
219	105	-2.11	2.80	-0.40	-3.98e-04	-3.10e-04	2.83e-03
219	124	5.08	-4.41	0.57	6.24e-04	7.41e-04	-4.38e-03
219	136	4.75	-5.36	0.62	7.57e-04	7.05e-04	-5.26e-03
219	137	-4.09	5.12	-0.69	-7.27e-04	-6.03e-04	5.13e-03
220	1	-8.15e-04	-4.01e-03	-0.02	9.90e-06	4.87e-06	2.31e-06
220	6	4.21e-03	-9.53e-03	-0.01	2.34e-05	1.81e-05	5.10e-06
220	8	5.55e-03	-9.34e-03	-5.59e-03	2.30e-05	1.93e-05	5.46e-06
220	9	-8.28e-04	-2.84e-03	-0.01	7.02e-06	2.96e-06	1.58e-06
220	12	2.52e-03	-6.52e-03	-9.25e-03	1.60e-05	1.18e-05	3.45e-06

220	13	-3.13e-03	-9.99e-04	-0.01	2.49e-06	-2.90e-06	0.0
220	14	-1.84e-03	-2.75e-03	-0.01	6.78e-06	0.0	0.0
220	17	-3.13e-03	-9.99e-04	-0.01	2.49e-06	-2.90e-06	0.0
220	18	-2.35e-03	-2.05e-03	-0.01	5.07e-06	0.0	0.0
220	25	-0.23	0.23	-0.15	-5.54e-04	-5.43e-04	-2.58e-04
220	26	-0.15	0.10	-0.22	-2.46e-04	-3.48e-04	-1.20e-04
220	40	-0.08	-0.29	-0.08	7.15e-04	3.96e-04	2.85e-04
220	57	-0.17	0.17	-0.11	-4.17e-04	-4.02e-04	-1.95e-04
220	58	-0.11	0.08	-0.16	-1.84e-04	-2.55e-04	-9.03e-05
220	72	-0.06	-0.22	-0.06	5.42e-04	2.95e-04	2.15e-04
220	89	-0.15	0.15	-0.10	-3.70e-04	-3.56e-04	-1.73e-04
220	90	-0.10	0.07	-0.15	-1.63e-04	-2.26e-04	-8.02e-05
220	104	-0.06	-0.20	-0.06	4.82e-04	2.62e-04	1.91e-04
220	121	-0.27	0.27	-0.18	-6.66e-04	-6.51e-04	-3.08e-04
220	122	-0.18	0.12	-0.26	-2.95e-04	-4.18e-04	-1.42e-04
220	136	-0.10	-0.35	-0.10	8.59e-04	4.74e-04	3.41e-04
221	2	0.02	-0.02	-0.04	3.35e-05	3.63e-05	9.80e-06
221	6	0.02	-0.02	-0.04	3.29e-05	3.84e-05	1.14e-05
221	10	0.01	-0.01	-0.03	2.32e-05	2.51e-05	6.71e-06
221	12	0.01	-0.01	-0.03	2.28e-05	2.65e-05	7.76e-06
221	14	8.20e-03	-8.15e-03	-0.02	1.57e-05	1.59e-05	1.20e-06
221	16	8.34e-03	-7.87e-03	-0.02	1.51e-05	1.62e-05	1.51e-06
221	18	7.52e-03	-7.37e-03	-0.02	1.40e-05	1.44e-05	0.0
221	24	0.22	-0.15	-0.21	3.42e-04	4.83e-04	2.59e-04
221	36	0.19	-0.20	-0.24	4.55e-04	4.13e-04	3.00e-04
221	40	0.17	-0.21	-0.24	4.61e-04	3.84e-04	2.96e-04
221	56	0.16	-0.12	-0.17	2.61e-04	3.63e-04	1.97e-04
221	68	0.14	-0.16	-0.19	3.47e-04	3.12e-04	2.27e-04
221	72	0.13	-0.16	-0.19	3.52e-04	2.92e-04	2.25e-04
221	88	0.14	-0.11	-0.15	2.34e-04	3.23e-04	1.75e-04
221	100	0.13	-0.14	-0.17	3.10e-04	2.79e-04	2.02e-04
221	104	0.12	-0.14	-0.17	3.14e-04	2.61e-04	2.00e-04
221	120	0.26	-0.18	-0.25	4.09e-04	5.79e-04	3.12e-04
221	132	0.22	-0.24	-0.29	5.46e-04	4.94e-04	3.62e-04
221	136	0.21	-0.25	-0.29	5.52e-04	4.59e-04	3.57e-04
222	1	3.28e-03	3.58e-03	-0.02	-1.23e-06	8.10e-06	2.56e-06
222	6	4.33e-03	-9.35e-04	-0.02	1.09e-05	1.07e-05	9.07e-06
222	9	2.25e-03	2.66e-03	-0.01	-1.07e-06	5.57e-06	1.85e-06
222	12	2.95e-03	-3.45e-04	-0.01	7.02e-06	7.32e-06	6.18e-06
222	13	1.71e-03	3.60e-03	-0.01	-3.88e-06	4.25e-06	0.0
222	16	2.04e-03	2.27e-03	-0.01	0.0	5.06e-06	1.25e-06
222	17	1.71e-03	3.60e-03	-0.01	-3.88e-06	4.25e-06	0.0
222	18	1.86e-03	2.58e-03	-0.01	-1.21e-06	4.62e-06	0.0
222	19	0.11	0.17	-0.18	1.59e-04	2.65e-04	1.10e-04
222	35	0.08	0.21	-0.20	-3.28e-04	1.94e-04	-8.27e-05
222	41	0.03	0.21	-0.13	-5.02e-04	7.52e-05	-1.62e-04
222	51	0.08	0.13	-0.14	1.17e-04	1.99e-04	8.17e-05
222	67	0.06	0.16	-0.15	-2.49e-04	1.46e-04	-6.27e-05
222	73	0.02	0.16	-0.10	-3.79e-04	5.57e-05	-1.22e-04
222	83	0.07	0.12	-0.12	1.03e-04	1.77e-04	7.24e-05
222	99	0.05	0.14	-0.14	-2.21e-04	1.29e-04	-5.57e-05
222	105	0.02	0.14	-0.09	-3.37e-04	4.97e-05	-1.08e-04
222	115	0.13	0.21	-0.21	1.90e-04	3.14e-04	1.33e-04
222	131	0.09	0.25	-0.24	-3.96e-04	2.31e-04	-1.00e-04
222	137	0.04	0.25	-0.15	-6.03e-04	8.96e-05	-1.95e-04
223	2	0.01	-0.01	-0.03	3.09e-05	3.65e-05	6.22e-06
223	6	9.30e-03	-0.02	-0.03	4.07e-05	2.66e-05	1.10e-05
223	10	9.44e-03	-8.49e-03	-0.02	2.09e-05	2.58e-05	4.12e-06
223	12	6.87e-03	-0.01	-0.02	2.74e-05	1.91e-05	7.29e-06
223	14	9.37e-03	-2.34e-03	-0.02	5.80e-06	2.21e-05	0.0
223	16	7.88e-03	-3.57e-03	-0.02	8.78e-06	1.80e-05	1.08e-06
223	18	8.55e-03	-1.89e-03	-0.02	4.68e-06	1.92e-05	0.0
223	28	0.24	0.20	-0.17	-4.92e-04	5.50e-04	2.93e-04
223	31	0.23	0.41	-0.25	-9.77e-04	3.59e-04	5.58e-04
223	38	0.10	-0.48	0.15	1.15e-03	2.34e-04	-7.28e-04
223	60	0.17	0.15	-0.13	-3.58e-04	4.08e-04	2.16e-04
223	63	0.17	0.30	-0.19	-7.14e-04	2.68e-04	4.09e-04
223	70	0.07	-0.35	0.11	8.44e-04	1.79e-04	-5.31e-04
223	92	0.15	0.13	-0.12	-3.16e-04	3.63e-04	1.91e-04
223	95	0.15	0.26	-0.17	-6.31e-04	2.39e-04	3.62e-04
223	102	0.07	-0.31	0.09	7.47e-04	1.61e-04	-4.70e-04
223	124	0.28	0.25	-0.20	-5.93e-04	6.61e-04	3.49e-04
223	127	0.28	0.49	-0.30	-1.18e-03	4.31e-04	6.69e-04
223	134	0.11	-0.58	0.19	1.39e-03	2.79e-04	-8.77e-04
224	1	-3.13e-03	-0.01	-0.01	4.37e-05	-4.12e-06	2.74e-06

224	4	4.24e-03	-0.02	5.35e-03	5.09e-05	1.10e-05	2.25e-06
224	8	2.81e-03	-0.03	7.97e-03	8.45e-05	7.41e-06	4.62e-06
224	9	-2.22e-03	-8.74e-03	-9.67e-03	2.87e-05	-2.82e-06	1.80e-06
224	12	8.03e-04	-0.02	-7.07e-04	5.39e-05	3.54e-06	2.94e-06
224	13	-2.58e-03	3.82e-03	-0.02	-6.08e-06	-3.17e-06	0.0
224	17	-2.58e-03	3.82e-03	-0.02	-6.08e-06	-3.17e-06	0.0
224	29	-0.20	0.18	-0.21	-4.00e-04	-4.52e-04	-2.22e-04
224	49	-0.18	0.23	-0.24	-5.13e-04	-3.97e-04	1.70e-04
224	61	-0.15	0.13	-0.16	-2.99e-04	-3.34e-04	-1.61e-04
224	81	-0.13	0.17	-0.19	-3.85e-04	-2.95e-04	1.22e-04
224	93	-0.13	0.12	-0.14	-2.65e-04	-2.96e-04	-1.42e-04
224	113	-0.12	0.15	-0.17	-3.42e-04	-2.61e-04	1.08e-04
224	125	-0.24	0.21	-0.25	-4.83e-04	-5.46e-04	-2.69e-04
224	145	-0.21	0.27	-0.29	-6.20e-04	-4.81e-04	2.06e-04
225	2	9.08e-03	-0.03	-0.04	6.68e-05	2.24e-05	0.0
225	6	7.62e-03	-0.04	-0.05	9.17e-05	1.88e-05	0.0
225	10	6.26e-03	-0.02	-0.03	4.56e-05	1.55e-05	0.0
225	12	5.29e-03	-0.03	-0.03	6.22e-05	1.30e-05	0.0
225	14	3.90e-03	-5.52e-03	-0.02	1.43e-05	9.64e-06	0.0
225	16	3.21e-03	-9.59e-03	-0.02	2.23e-05	7.93e-06	0.0
225	18	3.09e-03	-5.49e-03	-0.02	1.30e-05	7.65e-06	0.0
225	19	0.39	0.19	0.17	2.35e-04	9.32e-04	4.87e-04
225	50	-0.29	-0.25	-0.25	6.00e-04	-6.95e-04	-3.06e-04
225	51	0.28	0.14	0.12	1.76e-04	6.79e-04	3.53e-04
225	82	-0.21	-0.19	-0.19	4.49e-04	-5.06e-04	-2.25e-04
225	83	0.25	0.12	0.11	1.57e-04	6.00e-04	3.12e-04
225	114	-0.18	-0.17	-0.17	4.00e-04	-4.47e-04	-1.99e-04
225	115	0.47	0.23	0.21	2.81e-04	1.12e-03	5.87e-04
225	146	-0.35	-0.30	-0.30	7.23e-04	-8.42e-04	-3.67e-04
226	6	1.05	-1.51	-0.33	4.87e-05	1.82e-04	3.21e-04
226	12	0.72	-1.04	-0.24	3.56e-05	1.24e-04	2.22e-04
226	14	0.46	-0.53	-0.19	2.47e-05	6.67e-05	3.89e-05
226	16	0.47	-0.51	-0.19	2.44e-05	6.67e-05	4.23e-05
226	18	0.42	-0.43	-0.19	2.26e-05	5.72e-05	1.13e-05
226	24	10.37	-16.53	-1.18	3.36e-04	1.82e-03	5.37e-03
226	40	7.99	-21.35	-1.43	3.97e-04	1.57e-03	4.97e-03
226	56	7.80	-12.55	-0.94	2.60e-04	1.37e-03	4.03e-03
226	72	6.08	-16.25	-1.13	3.07e-04	1.19e-03	3.76e-03
226	88	6.96	-11.19	-0.86	2.34e-04	1.22e-03	3.57e-03
226	104	5.44	-14.48	-1.03	2.75e-04	1.06e-03	3.34e-03
226	120	12.36	-19.83	-1.39	4.02e-04	2.18e-03	6.47e-03
226	136	9.49	-25.66	-1.69	4.75e-04	1.88e-03	5.99e-03
227	1	0.52	-0.66	-0.33	-8.54e-05	4.76e-05	5.18e-05
227	2	0.65	-1.43	-0.29	-8.14e-05	4.32e-05	-9.01e-05
227	6	0.56	-1.45	-0.28	-7.72e-05	3.25e-05	-2.42e-05
227	9	0.36	-0.47	-0.25	-6.60e-05	3.67e-05	2.99e-05
227	10	0.45	-0.98	-0.22	-6.33e-05	3.38e-05	-6.46e-05
227	12	0.39	-0.99	-0.22	-6.05e-05	2.67e-05	-2.07e-05
227	13	0.41	-0.22	-0.27	-7.14e-05	4.87e-05	6.65e-06
227	14	0.46	-0.48	-0.25	-7.01e-05	4.72e-05	-4.06e-05
227	17	0.41	-0.22	-0.27	-7.14e-05	4.87e-05	6.65e-06
227	18	0.44	-0.38	-0.26	-7.06e-05	4.78e-05	-2.17e-05
227	19	6.52	-6.66	-1.34	2.18e-05	1.13e-03	-1.26e-03
227	35	5.27	13.43	-1.47	-2.60e-04	-6.14e-04	1.59e-03
227	40	-1.39	-21.29	0.48	2.20e-04	1.52e-03	-2.97e-03
227	51	4.92	-5.08	-1.07	-1.43e-06	8.37e-04	-9.27e-04
227	67	3.98	10.07	-1.17	-2.15e-04	-4.47e-04	1.19e-03
227	72	-0.88	-16.19	0.30	1.50e-04	1.14e-03	-2.23e-03
227	83	4.41	-4.54	-0.98	-9.25e-06	7.45e-04	-8.22e-04
227	99	3.57	8.90	-1.07	-1.99e-04	-3.91e-04	1.06e-03
227	104	-0.72	-14.42	0.24	1.25e-04	1.01e-03	-1.98e-03
227	115	7.72	-7.93	-1.56	4.06e-05	1.35e-03	-1.51e-03
227	131	6.24	16.29	-1.71	-3.00e-04	-7.50e-04	1.93e-03
227	136	-1.77	-25.60	0.64	2.81e-04	1.82e-03	-3.59e-03
228	6	1.59	-1.70	-0.31	2.55e-04	5.71e-05	8.93e-05
228	12	1.09	-1.17	-0.22	1.74e-04	4.19e-05	5.80e-05
228	16	0.52	-0.53	-0.19	7.78e-05	2.84e-05	-6.59e-06
228	18	0.42	-0.42	-0.18	6.11e-05	2.62e-05	-2.26e-05
228	24	19.77	-20.81	-1.17	2.21e-03	4.15e-04	2.46e-03
228	40	16.77	-26.10	-1.17	2.69e-03	4.68e-04	2.72e-03
228	44	18.75	-24.60	-1.24	2.62e-03	4.69e-04	3.05e-03
228	56	14.81	-15.79	-0.93	1.68e-03	3.19e-04	1.85e-03
228	72	12.70	-19.82	-0.93	2.05e-03	3.61e-04	2.04e-03
228	76	14.20	-18.68	-0.98	2.00e-03	3.61e-04	2.29e-03
228	88	13.17	-14.06	-0.84	1.49e-03	2.87e-04	1.64e-03

228	104	11.32	-17.65	-0.84	1.83e-03	3.24e-04	1.81e-03
228	108	12.65	-16.63	-0.89	1.78e-03	3.23e-04	2.03e-03
228	120	23.71	-25.00	-1.38	2.65e-03	4.96e-04	2.96e-03
228	136	20.09	-31.39	-1.37	3.23e-03	5.61e-04	3.27e-03
228	140	22.50	-29.60	-1.47	3.15e-03	5.61e-04	3.68e-03
229	1	0.77	-0.99	-0.31	9.26e-05	-8.90e-05	6.79e-05
229	6	1.52	-1.97	-0.26	1.37e-04	-8.40e-05	7.96e-05
229	9	0.54	-0.69	-0.23	6.74e-05	-6.87e-05	4.45e-05
229	12	1.04	-1.34	-0.20	9.69e-05	-6.54e-05	5.23e-05
229	13	0.24	-0.22	-0.26	3.72e-05	-7.28e-05	0.0
229	16	0.47	-0.52	-0.24	5.13e-05	-7.12e-05	5.32e-06
229	17	0.24	-0.22	-0.26	3.72e-05	-7.28e-05	0.0
229	18	0.37	-0.37	-0.25	4.12e-05	-7.25e-05	-9.56e-06
229	24	19.71	-23.80	0.99	1.83e-03	1.74e-04	-1.08e-03
229	25	-18.98	23.07	-1.49	-1.75e-03	-3.19e-04	1.06e-03
229	44	18.70	-28.55	0.96	2.23e-03	1.66e-04	-1.31e-03
229	56	14.76	-18.01	0.68	1.39e-03	1.11e-04	-8.22e-04
229	57	-14.02	17.28	-1.17	-1.30e-03	-2.56e-04	8.03e-04
229	76	14.15	-21.62	0.66	1.69e-03	1.07e-04	-9.92e-04
229	88	13.12	-16.02	0.57	1.23e-03	9.03e-05	-7.31e-04
229	89	-12.39	15.29	-1.07	-1.15e-03	-2.35e-04	7.12e-04
229	108	12.59	-19.23	0.56	1.50e-03	8.69e-05	-8.81e-04
229	120	23.65	-28.64	1.25	2.20e-03	2.23e-04	-1.28e-03
229	121	-22.92	27.90	-1.74	-2.12e-03	-3.68e-04	1.26e-03
229	140	22.44	-34.41	1.21	2.68e-03	2.15e-04	-1.55e-03
230	2	1.14	-1.56	-0.32	1.56e-05	1.01e-04	1.88e-05
230	6	0.81	-1.97	-0.29	4.74e-05	8.68e-05	5.26e-05
230	10	0.79	-1.05	-0.23	1.07e-05	6.88e-05	1.10e-05
230	12	0.57	-1.33	-0.21	3.19e-05	5.90e-05	3.35e-05
230	14	0.55	-0.32	-0.21	-1.32e-05	3.26e-05	-1.96e-05
230	16	0.41	-0.43	-0.19	-2.17e-06	2.50e-05	-8.20e-06
230	18	0.43	-0.25	-0.19	-1.15e-05	2.19e-05	-1.90e-05
230	28	21.69	-17.30	0.73	1.76e-03	4.44e-04	1.80e-03
230	37	-18.70	19.44	-1.15	-2.02e-03	-4.58e-04	-1.30e-03
230	44	18.67	-22.07	0.71	2.07e-03	5.10e-04	1.09e-03
230	60	16.11	-12.99	0.49	1.33e-03	3.41e-04	1.35e-03
230	73	-14.20	14.52	-0.91	-1.45e-03	-3.44e-04	-1.07e-03
230	76	13.92	-16.63	0.48	1.57e-03	3.91e-04	8.16e-04
230	92	14.32	-11.55	0.41	1.18e-03	3.05e-04	1.19e-03
230	105	-12.54	12.86	-0.83	-1.29e-03	-3.03e-04	-9.47e-04
230	108	12.38	-14.79	0.40	1.39e-03	3.50e-04	7.22e-04
230	124	26.15	-20.86	0.92	2.08e-03	5.33e-04	2.13e-03
230	137	-23.32	23.47	-1.35	-2.27e-03	-5.62e-04	-1.68e-03
230	140	22.48	-26.62	0.89	2.48e-03	6.12e-04	1.30e-03
231	2	1.19	-1.62	-0.30	9.91e-05	-2.85e-05	5.03e-05
231	6	0.91	-2.08	-0.26	8.62e-05	-5.20e-05	8.35e-05
231	10	0.82	-1.10	-0.22	6.71e-05	-1.80e-05	3.47e-05
231	12	0.63	-1.40	-0.19	5.85e-05	-3.36e-05	5.69e-05
231	14	0.55	-0.31	-0.20	3.10e-05	1.56e-06	9.26e-06
231	16	0.42	-0.44	-0.19	2.42e-05	-6.48e-06	2.07e-05
231	18	0.43	-0.24	-0.19	2.07e-05	0.0	1.09e-05
231	28	21.83	-18.05	0.60	4.35e-04	2.01e-03	-8.10e-04
231	45	-18.48	22.33	-1.20	-4.70e-04	-1.65e-03	-9.48e-04
231	48	19.69	-22.89	0.81	5.14e-04	1.74e-03	6.19e-04
231	60	16.24	-13.50	0.40	3.34e-04	1.50e-03	-6.15e-04
231	77	-13.59	16.69	-0.96	-3.51e-04	-1.24e-03	-7.36e-04
231	80	14.71	-17.20	0.56	3.94e-04	1.30e-03	4.89e-04
231	92	14.43	-11.99	0.34	2.99e-04	1.33e-03	-5.45e-04
231	109	-11.99	14.78	-0.87	-3.09e-04	-1.10e-03	-6.53e-04
231	112	13.08	-15.29	0.48	3.52e-04	1.15e-03	4.36e-04
231	124	26.30	-21.79	0.76	5.22e-04	2.43e-03	-9.49e-04
231	141	-22.42	27.05	-1.42	-5.72e-04	-1.98e-03	-1.11e-03
231	144	23.72	-27.64	1.02	6.17e-04	2.09e-03	7.20e-04

Nodo		**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
		-83.00	-66.10	-13.14	-0.03	-0.03	-0.07
		82.96	67.04	8.40	0.03	0.03	0.07

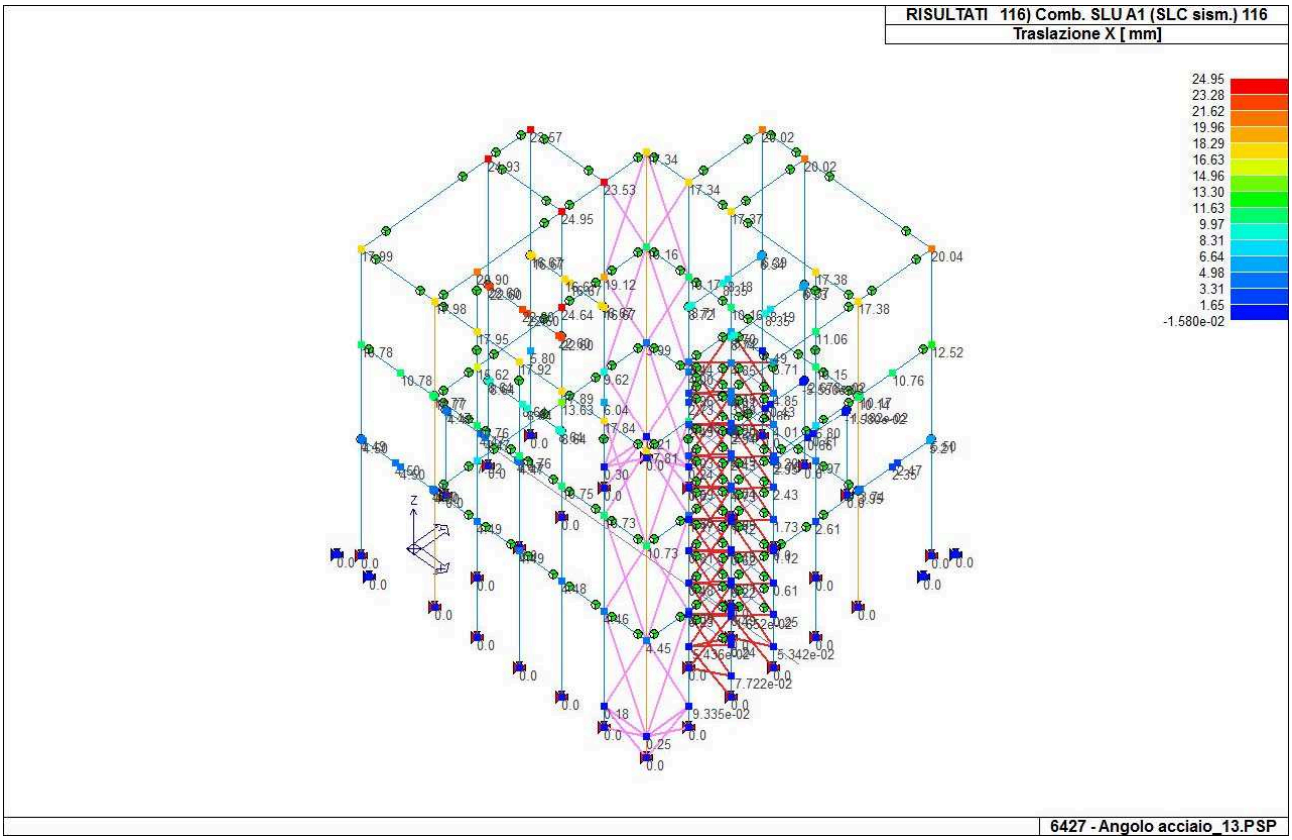


Figura 11: Spostamenti in direzione X - COMB. SLU A1 (SLC sism.) 116

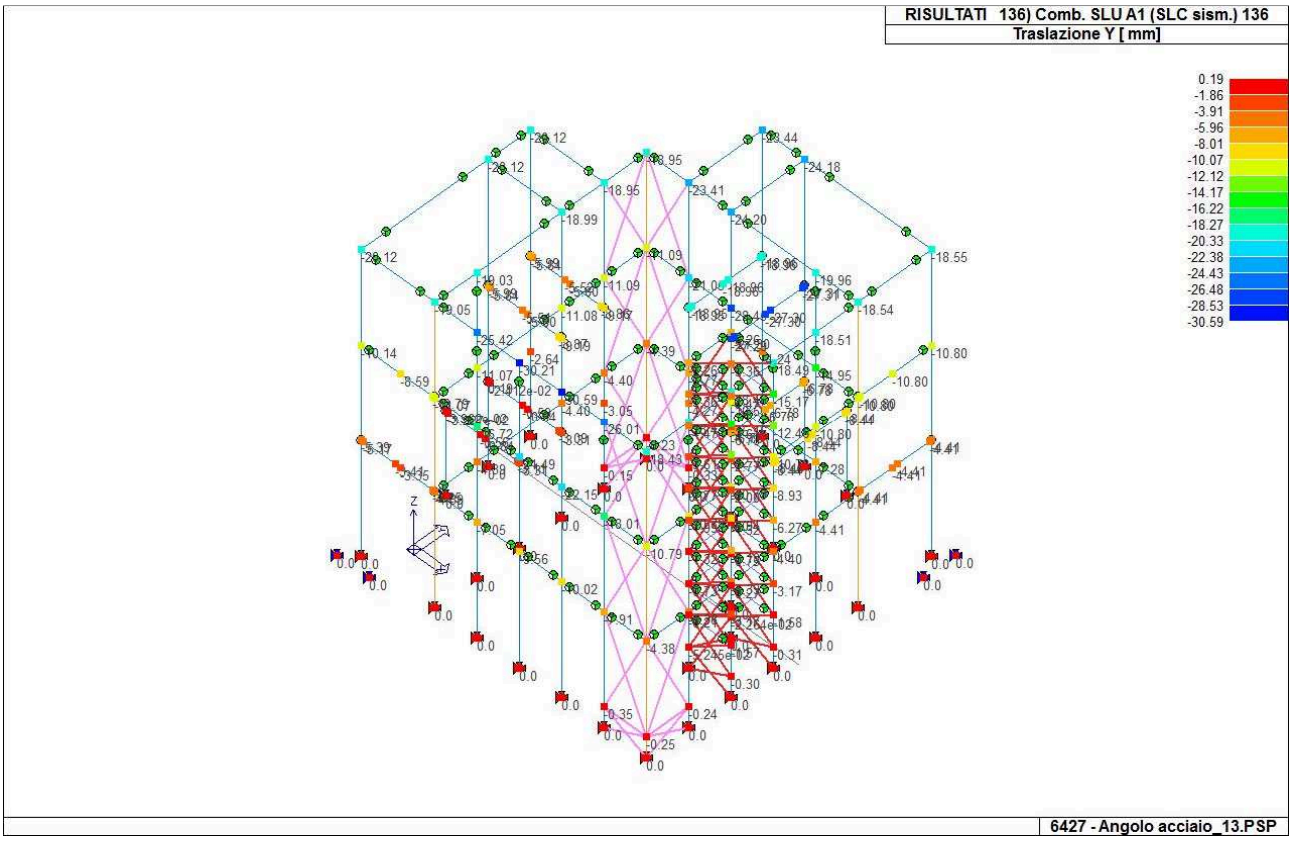


Figura 12: Spostamenti in direzione Y - COMB. SLU A1 (SLC sism.) 136

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		kN	kN	kN	kN m	kN m	kN m
1	1	-7.54e-05	-0.35	-2.38	0.0	0.0	0.0
1	2	-3.34e-04	2.56	-7.73	0.0	0.0	0.0
1	3	-5.53e-05	-0.56	-2.00	0.0	0.0	0.0
1	9	-5.99e-05	-0.12	-1.74	0.0	0.0	0.0
1	10	-2.32e-04	1.82	-5.31	0.0	0.0	0.0
1	13	-7.01e-05	0.78	-1.22	0.0	0.0	0.0
1	14	-1.56e-04	1.75	-3.00	0.0	0.0	0.0
1	17	-7.01e-05	0.78	-1.22	0.0	0.0	0.0
1	18	-1.22e-04	1.36	-2.29	0.0	0.0	0.0
1	19	1.18e-03	4.64	-0.36	0.0	0.0	0.0
1	47	6.06e-05	15.91	6.21	0.0	0.0	0.0
1	50	-3.04e-04	-13.18	-10.79	0.0	0.0	0.0
1	51	9.33e-04	3.78	-0.87	0.0	0.0	0.0
1	75	1.21e-04	12.77	4.37	0.0	0.0	0.0
1	78	-3.65e-04	-10.04	-8.95	0.0	0.0	0.0
1	83	8.26e-04	3.50	-1.04	0.0	0.0	0.0
1	107	9.74e-05	11.50	3.63	0.0	0.0	0.0
1	110	-3.41e-04	-8.77	-8.21	0.0	0.0	0.0
1	115	1.38e-03	5.36	0.05	0.0	0.0	0.0
1	143	8.88e-05	18.39	7.67	0.0	0.0	0.0
1	146	-3.32e-04	-15.66	-12.25	0.0	0.0	0.0
2	1	-1.19e-04	-7.21	-6.45	0.0	0.0	0.0
2	2	-8.62e-06	-12.59	-16.91	0.0	0.0	0.0
2	3	-1.29e-04	-6.87	-5.73	0.0	0.0	0.0
2	9	-7.54e-05	-5.02	-4.66	0.0	0.0	0.0
2	10	-2.07e-06	-8.60	-11.63	0.0	0.0	0.0
2	13	3.04e-05	-1.37	-2.54	0.0	0.0	0.0
2	14	6.71e-05	-3.16	-6.03	0.0	0.0	0.0
2	17	3.04e-05	-1.37	-2.54	0.0	0.0	0.0
2	18	5.24e-05	-2.44	-4.63	0.0	0.0	0.0
2	19	2.10e-03	-14.63	-11.70	0.0	0.0	0.0
2	48	-1.05e-03	-43.49	-28.42	0.0	0.0	0.0
2	49	1.15e-03	38.60	19.15	0.0	0.0	0.0
2	51	1.65e-03	-11.40	-9.82	0.0	0.0	0.0
2	80	-7.74e-04	-33.65	-22.72	0.0	0.0	0.0
2	81	8.78e-04	28.76	13.45	0.0	0.0	0.0
2	83	1.48e-03	-10.36	-9.22	0.0	0.0	0.0
2	112	-6.80e-04	-30.13	-20.68	0.0	0.0	0.0
2	113	7.85e-04	25.24	11.41	0.0	0.0	0.0
2	115	2.47e-03	-17.20	-13.18	0.0	0.0	0.0
2	144	-1.28e-03	-51.43	-33.02	0.0	0.0	0.0
2	145	1.39e-03	46.54	23.75	0.0	0.0	0.0
14	2	0.10	-0.04	-101.82	0.43	0.37	0.03
14	3	0.05	-0.11	-58.39	0.44	0.18	0.04
14	5	0.07	-0.20	-86.60	0.75	0.28	0.08
14	6	0.11	-0.15	-98.27	0.74	0.40	0.06
14	9	0.04	-0.07	-61.96	0.30	0.14	0.03
14	10	0.07	-0.02	-73.08	0.28	0.25	0.02
14	11	0.05	-0.13	-62.93	0.50	0.19	0.05
14	12	0.07	-0.09	-70.71	0.49	0.27	0.04
14	13	0.02	0.02	-60.50	5.37e-03	0.06	-7.37e-04
14	14	0.03	0.04	-66.06	-2.93e-03	0.12	-6.62e-03
14	15	0.02	-0.01	-60.99	0.10	0.09	9.53e-03
14	16	0.03	3.92e-03	-64.32	0.10	0.12	6.00e-03
14	17	0.02	0.02	-60.50	5.37e-03	0.06	-7.37e-04
14	18	0.03	0.03	-63.84	3.88e-04	0.10	-4.27e-03
14	24	1.90	-1.55	-48.61	5.81	6.79	-1.83
14	43	-0.67	1.31	-35.04	-4.75	-2.56	1.07
14	46	0.72	-1.25	-92.63	4.75	2.76	-1.08
14	48	1.51	-1.92	-80.03	7.20	5.57	-1.91
14	56	1.42	-1.14	-52.89	4.33	5.06	-1.38
14	75	-0.51	1.00	-42.54	-3.57	-1.94	0.81
14	78	0.56	-0.93	-85.13	3.57	2.13	-0.82
14	80	1.15	-1.43	-75.98	5.38	4.23	-1.45
14	88	1.26	-1.01	-54.18	3.84	4.50	-1.23
14	107	-0.45	0.89	-45.00	-3.16	-1.71	0.72
14	110	0.50	-0.82	-82.68	3.16	1.90	-0.73
14	112	1.02	-1.26	-74.59	4.77	3.76	-1.29
14	120	2.28	-1.88	-45.51	7.02	8.14	-2.19
14	139	-0.81	1.58	-29.26	-5.74	-3.10	1.28
14	142	0.86	-1.52	-98.41	5.75	3.29	-1.29
14	144	1.81	-2.33	-83.22	8.71	6.67	-2.28
29	2	0.04	1.53	-89.06	-1.87	0.33	-1.58e-04

29	3	0.01	0.10	-35.64	-2.67e-03	0.09	2.27e-05
29	9	0.01	0.19	-36.84	-0.16	0.09	3.33e-06
29	10	0.03	1.07	-63.31	-1.31	0.23	-1.08e-04
29	13	7.44e-03	0.37	-36.46	-0.48	0.07	-3.15e-05
29	14	0.02	0.80	-49.70	-1.05	0.14	-8.72e-05
29	17	7.44e-03	0.37	-36.46	-0.48	0.07	-3.15e-05
29	18	0.01	0.63	-44.41	-0.82	0.11	-6.49e-05
29	20	4.01	-1.28	-68.69	3.26	22.60	9.22e-03
29	48	4.03	-1.99	-75.51	4.64	15.97	5.97e-03
29	49	-4.00	3.25	-13.30	-6.28	-15.74	-6.10e-03
29	52	2.90	-0.79	-62.50	2.22	16.46	6.83e-03
29	80	2.97	-1.34	-67.67	3.27	11.77	4.57e-03
29	81	-2.94	2.60	-21.14	-4.91	-11.54	-4.70e-03
29	84	2.57	-0.63	-60.44	1.88	14.55	6.04e-03
29	112	2.63	-1.12	-65.03	2.81	10.42	4.05e-03
29	113	-2.60	2.37	-23.78	-4.45	-10.20	-4.18e-03
29	116	4.84	-1.67	-73.72	4.11	27.24	0.01
29	144	4.84	-2.53	-81.98	5.78	19.22	7.12e-03
29	145	-4.81	3.79	-6.83	-7.42	-19.00	-7.25e-03
30	2	6.22e-03	0.23	-37.47	-0.48	0.02	0.0
30	7	-1.64e-03	-0.11	-6.48	0.35	-5.33e-03	0.0
30	10	4.35e-03	0.16	-26.22	-0.34	0.01	0.0
30	11	-4.79e-04	-0.05	-7.48	0.18	-1.56e-03	0.0
30	14	3.72e-03	0.15	-18.40	-0.34	0.01	0.0
30	15	1.31e-03	0.04	-9.03	-0.08	4.25e-03	0.0
30	17	1.75e-03	0.06	-9.42	-0.15	5.71e-03	0.0
30	18	2.94e-03	0.11	-14.81	-0.27	9.55e-03	0.0
30	19	4.08	-0.38	-11.16	1.19	13.29	0.0
30	48	0.78	-1.32	-2.14	3.95	2.54	0.0
30	49	-0.77	1.55	-27.47	-4.48	-2.52	0.0
30	55	3.31	-0.21	-12.84	0.68	10.78	0.0
30	80	0.59	-0.96	-5.15	2.88	1.93	0.0
30	81	-0.59	1.18	-24.46	-3.42	-1.91	0.0
30	87	2.98	-0.17	-13.07	0.57	9.69	0.0
30	112	0.53	-0.84	-6.24	2.53	1.72	0.0
30	113	-0.52	1.06	-23.37	-3.06	-1.70	0.0
30	115	4.72	-0.48	-10.39	1.49	15.37	0.0
30	144	0.91	-1.62	0.28	4.83	2.96	0.0
30	145	-0.90	1.85	-29.89	-5.36	-2.95	0.0
35	2	6.23e-03	0.34	-43.67	-0.46	0.02	0.0
35	7	-1.63e-03	0.05	-6.22	-0.05	-5.32e-03	0.0
35	10	4.36e-03	0.24	-30.52	-0.32	0.01	0.0
35	11	-4.77e-04	0.05	-7.71	-0.06	-1.55e-03	0.0
35	14	3.73e-03	0.15	-21.48	-0.21	0.01	0.0
35	15	1.31e-03	0.06	-10.07	-0.08	4.26e-03	0.0
35	17	1.76e-03	0.06	-10.66	-0.09	5.71e-03	0.0
35	18	2.94e-03	0.12	-17.15	-0.16	9.57e-03	0.0
35	19	4.08	0.15	-15.95	-0.25	13.30	0.0
35	43	1.32	0.18	-28.55	-0.34	4.28	0.0
35	48	0.78	0.07	-3.66	-0.02	2.54	0.0
35	49	-0.77	0.17	-30.64	-0.30	-2.52	0.0
35	55	3.31	0.15	-17.79	-0.25	10.78	0.0
35	75	1.06	0.17	-26.41	-0.30	3.45	0.0
35	80	0.59	0.08	-6.35	-0.05	1.93	0.0
35	81	-0.59	0.16	-27.95	-0.28	-1.91	0.0
35	87	2.98	0.14	-17.73	-0.24	9.69	0.0
35	107	0.95	0.16	-25.40	-0.29	3.10	0.0
35	112	0.53	0.08	-7.55	-0.06	1.72	0.0
35	113	-0.52	0.15	-26.75	-0.26	-1.70	0.0
35	115	4.72	0.15	-15.64	-0.27	15.37	0.0
35	139	1.52	0.19	-30.07	-0.37	4.96	0.0
35	144	0.91	0.06	-1.71	-1.68e-03	2.96	0.0
35	145	-0.90	0.18	-32.60	-0.32	-2.95	0.0
36	2	0.04	1.51	-71.39	-1.72	0.34	0.0
36	6	0.04	1.77	-58.00	-1.98	0.29	0.0
36	7	0.02	1.29	-22.07	-1.39	0.11	0.0
36	10	0.03	1.03	-50.94	-1.17	0.23	0.0
36	11	0.02	0.93	-23.13	-1.01	0.10	0.0
36	12	0.03	1.20	-42.02	-1.34	0.20	0.0
36	14	0.01	0.38	-38.70	-0.46	0.14	0.0
36	15	8.68e-03	0.33	-24.80	-0.38	0.07	0.0
36	16	0.01	0.45	-32.89	-0.52	0.12	0.0
36	17	7.02e-03	0.19	-25.22	-0.22	0.07	0.0
36	18	0.01	0.31	-33.31	-0.37	0.11	0.0
36	20	4.01	1.05	-29.28	-1.13	22.59	0.0

36	48	4.03	3.31	-27.04	-3.53	15.97	0.0
36	49	-4.01	-2.70	-39.58	2.79	-15.75	0.0
36	52	2.90	0.89	-30.30	-0.97	16.45	0.0
36	80	2.97	2.76	-28.52	-2.95	11.77	0.0
36	81	-2.95	-2.15	-38.10	2.21	-11.55	0.0
36	84	2.57	0.83	-30.64	-0.91	14.54	0.0
36	112	2.63	2.49	-29.05	-2.66	10.42	0.0
36	113	-2.61	-1.88	-37.56	1.93	-10.20	0.0
36	116	4.83	1.18	-28.45	-1.27	27.23	0.0
36	144	4.84	3.69	-25.86	-3.93	19.23	0.0
36	145	-4.82	-3.08	-40.76	3.19	-19.00	0.0
42	2	0.03	-4.95	-86.11	0.33	0.35	-3.35e-05
42	3	0.01	-5.73	-64.44	0.38	0.09	3.50e-05
42	5	0.02	-9.33	-101.35	0.61	0.13	6.17e-05
42	6	0.03	-8.38	-104.77	0.55	0.29	1.84e-05
42	9	0.01	-4.32	-57.21	0.29	0.09	1.74e-05
42	10	0.02	-3.41	-60.46	0.23	0.24	-2.38e-05
42	11	0.02	-6.33	-70.63	0.42	0.10	3.96e-05
42	12	0.02	-5.70	-72.91	0.37	0.20	1.07e-05
42	13	6.59e-03	-1.30	-37.08	0.10	0.07	-1.59e-05
42	14	0.01	-0.84	-38.71	0.07	0.15	-3.65e-05
42	15	8.42e-03	-2.30	-43.79	0.16	0.08	-4.76e-06
42	16	0.01	-2.03	-44.76	0.14	0.12	-1.71e-05
42	17	6.59e-03	-1.30	-37.08	0.10	0.07	-1.59e-05
42	18	9.37e-03	-1.03	-38.05	0.08	0.12	-2.82e-05
42	19	3.86	35.87	372.89	-2.77	15.46	0.03
42	47	2.75	42.74	467.81	-3.44	11.71	0.02
42	50	-2.73	-44.79	-543.92	3.60	-11.47	-0.02
42	51	2.80	25.87	263.54	-2.01	11.26	0.02
42	79	2.01	31.10	335.20	-2.52	8.59	0.01
42	82	-1.99	-33.15	-411.31	2.68	-8.35	-0.01
42	83	2.47	22.74	228.68	-1.77	9.95	0.02
42	111	1.78	27.40	292.37	-2.22	7.61	0.01
42	114	-1.76	-29.45	-368.48	2.38	-7.37	-0.01
42	115	4.65	43.47	457.64	-3.35	18.63	0.04
42	143	3.31	51.92	574.07	-4.18	14.12	0.02
42	146	-3.29	-53.97	-650.18	4.34	-13.89	-0.02
43	1	0.02	-3.02	-12.02	4.36	0.13	0.0
43	2	0.06	-3.22	-9.44	5.05	0.41	0.0
43	4	0.05	-3.19	-6.55	4.96	0.38	0.0
43	6	0.05	-5.12	-9.88	7.55	0.34	0.0
43	9	0.02	-2.02	-9.30	2.93	0.10	0.0
43	10	0.04	-2.15	-7.58	3.39	0.28	0.0
43	12	0.04	-3.42	-7.87	5.06	0.24	0.0
43	13	0.01	-0.06	-9.63	0.22	0.08	0.0
43	14	0.02	-0.12	-8.77	0.45	0.18	0.0
43	16	0.02	-0.75	-9.00	1.26	0.14	0.0
43	17	0.01	-0.06	-9.63	0.22	0.08	0.0
43	18	0.02	-0.10	-9.11	0.36	0.14	0.0
43	20	2.18	0.12	-6.66	0.10	14.45	0.0
43	46	-2.57	-2.04	-6.52	5.74	4.65	0.0
43	48	-1.11	-1.71	-5.39	5.06	11.13	0.0
43	49	1.15	1.51	-12.83	-4.35	-10.85	0.0
43	52	1.58	0.05	-7.29	0.19	10.53	0.0
43	78	-1.87	-1.66	-7.12	4.73	3.46	0.0
43	80	-0.81	-1.42	-6.29	4.22	8.18	0.0
43	81	0.85	1.22	-11.93	-3.50	-7.90	0.0
43	84	1.40	0.04	-7.49	0.21	9.32	0.0
43	110	-1.65	-1.49	-7.34	4.25	3.08	0.0
43	112	-0.71	-1.27	-6.61	3.80	7.25	0.0
43	113	0.75	1.07	-11.62	-3.08	-6.97	0.0
43	116	2.63	0.17	-6.16	0.02	17.40	0.0
43	144	-1.34	-1.92	-4.67	5.65	13.42	0.0
43	145	1.37	1.73	-13.55	-4.94	-13.14	0.0
43	146	-2.89	-2.33	-6.10	6.47	6.26	0.0
62	2	0.05	0.66	-53.24	-0.14	0.34	0.0
62	3	0.02	-0.40	-26.90	1.37	0.16	0.0
62	6	0.06	-0.06	-50.38	1.41	0.37	0.0
62	7	0.04	-0.81	-28.61	2.49	0.24	0.0
62	9	0.02	-0.19	-27.70	0.83	0.13	0.0
62	10	0.04	0.47	-37.86	-0.14	0.23	0.0
62	11	0.03	-0.47	-28.84	1.57	0.18	0.0
62	12	0.04	-6.25e-03	-35.95	0.89	0.25	0.0
62	13	4.98e-03	0.23	-25.99	-0.29	0.05	0.0
62	14	0.01	0.56	-31.07	-0.77	0.10	0.0

62	16	0.01	0.29	-29.60	-0.21	0.11	0.0
62	17	4.98e-03	0.23	-25.99	-0.29	0.05	0.0
62	18	0.01	0.42	-29.03	-0.58	0.08	0.0
62	24	1.38	-0.44	-36.94	2.19	6.70	0.0
62	48	1.06	-1.50	-40.38	5.86	5.48	0.0
62	49	-1.04	2.35	-17.69	-7.02	-5.31	0.0
62	56	1.03	-0.26	-34.99	1.60	5.00	0.0
62	80	0.80	-1.13	-37.74	4.63	4.15	0.0
62	81	-0.78	1.98	-20.33	-5.79	-3.98	0.0
62	88	0.91	-0.18	-34.31	1.36	4.43	0.0
62	112	0.71	-0.96	-36.76	4.06	3.69	0.0
62	113	-0.69	1.81	-21.31	-5.22	-3.53	0.0
62	120	1.66	-0.58	-38.50	2.61	8.04	0.0
62	144	1.26	-1.76	-42.47	6.72	6.55	0.0
62	145	-1.24	2.61	-15.60	-7.88	-6.39	0.0
63	1	-1.62	-1.47	-29.45	0.22	-0.19	0.02
63	8	-0.78	-4.17	19.48	0.73	0.08	0.04
63	9	-1.16	-0.87	-22.60	0.13	-0.14	0.02
63	12	-0.95	-2.26	-1.37	0.40	-0.01	0.03
63	13	-1.09	1.34	-37.12	-0.21	-0.17	-3.20e-03
63	16	-1.00	0.64	-27.33	-0.08	-0.11	1.87e-03
63	17	-1.09	1.34	-37.12	-0.21	-0.17	-3.20e-03
63	18	-0.98	1.38	-32.17	-0.19	-0.12	-4.34e-03
63	29	-39.64	35.77	-493.15	-6.73	-7.60	-1.91
63	48	32.07	-42.23	514.15	8.30	6.61	-1.47
63	49	-34.02	45.00	-578.49	-8.68	-6.85	1.46
63	61	-29.45	26.83	-380.88	-5.06	-5.66	-1.38
63	80	23.40	-31.18	381.40	6.17	4.89	-1.06
63	81	-25.35	33.95	-445.74	-6.55	-5.12	1.05
63	93	-26.18	23.92	-341.84	-4.51	-5.02	-1.22
63	112	20.60	-27.49	335.14	5.46	4.32	-0.93
63	113	-22.56	30.26	-399.48	-5.84	-4.55	0.92
63	125	-47.73	42.98	-589.43	-8.09	-9.17	-2.31
63	144	38.99	-51.36	628.42	10.07	8.02	-1.77
63	145	-40.94	54.12	-692.76	-10.45	-8.26	1.76
64	2	0.99	-0.06	-67.20	0.48	0.14	3.72e-04
64	6	0.18	-0.09	-54.19	0.64	0.09	6.58e-04
64	7	-0.50	-0.09	-21.52	0.54	0.02	6.80e-04
64	10	0.82	-0.04	-48.39	0.33	0.10	2.47e-04
64	11	0.31	-0.06	-30.21	0.37	0.06	4.42e-04
64	12	0.27	-0.06	-39.72	0.43	0.07	4.37e-04
64	14	1.68	-4.72e-03	-48.49	0.09	0.14	-3.07e-05
64	15	1.42	-0.01	-39.40	0.11	0.12	6.72e-05
64	16	1.41	-0.02	-43.48	0.14	0.12	6.48e-05
64	17	1.70	-3.99e-03	-41.70	0.05	0.13	-2.66e-05
64	18	1.69	-4.43e-03	-45.77	0.07	0.14	-2.90e-05
64	31	44.58	4.24	-534.11	-16.29	3.52	0.03
64	34	-41.20	-4.25	442.57	16.43	-3.25	-0.03
64	38	-29.79	-5.05	329.43	19.21	-2.45	-0.04
64	63	32.74	3.11	-400.27	-11.91	2.59	0.02
64	66	-29.37	-3.11	308.73	12.05	-2.32	-0.02
64	70	-21.14	-3.68	228.15	14.08	-1.76	-0.03
64	95	29.12	2.75	-358.98	-10.52	2.31	0.02
64	98	-25.74	-2.76	267.44	10.67	-2.04	-0.02
64	102	-18.47	-3.26	196.33	12.46	-1.54	-0.03
64	127	53.61	5.10	-637.03	-19.64	4.23	0.04
64	130	-50.23	-5.11	545.48	19.78	-3.96	-0.04
64	134	-36.28	-6.08	406.92	23.16	-2.99	-0.05
65	2	-1.86	-0.04	-91.25	0.37	-2.38	4.38e-04
65	6	-1.46	-0.05	-78.41	0.46	-1.86	6.18e-04
65	7	-0.38	-0.04	-35.10	0.35	-0.49	5.39e-04
65	10	-1.29	-0.03	-64.85	0.25	-1.65	2.93e-04
65	11	-0.38	-0.03	-36.64	0.25	-0.49	3.58e-04
65	12	-1.02	-0.03	-56.29	0.31	-1.30	4.13e-04
65	14	-0.83	-0.01	-51.01	0.09	-1.06	3.89e-05
65	15	-0.38	-0.01	-36.91	0.09	-0.48	7.14e-05
65	16	-0.65	-0.01	-45.33	0.12	-0.83	9.50e-05
65	17	-0.38	-6.98e-03	-36.98	0.05	-0.48	0.0
65	18	-0.65	-8.99e-03	-45.40	0.08	-0.83	2.32e-05
65	28	1.62	3.81	-78.69	-12.90	3.99	-0.01
65	29	-2.91	-3.83	-12.11	13.05	-5.64	0.01
65	38	0.35	-8.97	-59.84	31.39	1.33	-7.71e-03
65	60	1.02	2.80	-69.87	-9.44	2.72	-7.53e-03
65	61	-2.32	-2.82	-20.93	9.59	-4.38	7.58e-03
65	70	0.10	-6.57	-56.22	22.98	0.79	-5.62e-03

65	92	0.83	2.48	-67.05	-8.34	2.32	-6.67e-03
65	93	-2.13	-2.50	-23.75	8.49	-3.97	6.72e-03
65	102	0.01	-5.81	-54.99	20.33	0.61	-4.97e-03
65	124	2.09	4.55	-85.68	-15.44	4.99	-0.01
65	125	-3.39	-4.56	-5.12	15.59	-6.65	0.01
65	134	0.56	-10.79	-62.85	37.81	1.78	-9.37e-03
66	2	-0.32	-0.02	-39.79	0.07	-0.73	0.0
66	3	-0.06	-6.23e-03	-9.51	0.02	-0.14	0.0
66	9	-0.06	-5.56e-03	-9.53	0.02	-0.14	0.0
66	10	-0.22	-0.02	-27.77	0.05	-0.50	0.0
66	13	-0.06	-4.10e-03	-9.51	0.01	-0.14	0.0
66	14	-0.14	-8.95e-03	-18.63	0.03	-0.32	0.0
66	17	-0.06	-4.10e-03	-9.51	0.01	-0.14	0.0
66	18	-0.11	-7.01e-03	-14.98	0.02	-0.25	0.0
66	28	1.18	-1.93	-4.10	6.29	3.52	0.0
66	29	-1.39	1.92	-25.87	-6.25	-4.01	0.0
66	38	0.47	-8.07	-10.36	26.26	1.46	0.0
66	60	0.84	-1.60	-6.95	5.21	2.53	0.0
66	61	-1.05	1.59	-23.02	-5.17	-3.02	0.0
66	70	0.33	-6.55	-11.53	21.31	1.04	0.0
66	92	0.73	-1.43	-7.87	4.64	2.21	0.0
66	93	-0.94	1.41	-22.10	-4.60	-2.70	0.0
66	102	0.28	-5.83	-11.92	18.96	0.89	0.0
66	124	1.45	-2.15	-1.82	7.01	4.31	0.0
66	125	-1.66	2.14	-28.14	-6.96	-4.80	0.0
66	134	0.60	-9.11	-9.39	29.64	1.82	0.0
67	2	-3.93e-03	-0.01	-28.83	0.22	0.09	-5.92e-06
67	4	7.38e-03	-0.01	-19.52	0.20	0.10	-2.36e-05
67	6	-0.01	-0.02	-28.74	0.26	0.06	1.52e-04
67	7	-0.01	-0.01	-19.24	0.18	-4.16e-04	2.62e-04
67	10	-1.75e-03	-8.38e-03	-20.97	0.15	0.06	-6.75e-06
67	11	-0.02	-0.01	-20.78	0.14	-1.42e-03	1.84e-04
67	12	-7.02e-03	-0.01	-20.91	0.17	0.04	9.82e-05
67	14	-6.01e-03	-3.10e-03	-20.89	0.07	0.04	-4.79e-05
67	15	-0.01	-4.20e-03	-20.79	0.06	4.04e-03	4.74e-05
67	16	-9.29e-03	-4.50e-03	-20.85	0.08	0.02	1.07e-05
67	17	-0.01	-2.61e-03	-20.79	0.05	5.41e-03	1.32e-05
67	18	-8.57e-03	-2.91e-03	-20.85	0.06	0.02	-2.35e-05
67	28	1.20	1.06	-6.15	9.57	3.41	-0.01
67	29	-1.22	-1.07	-35.55	-9.45	-3.36	0.01
67	36	1.02	-1.69	-7.54	12.04	2.92	0.02
67	60	0.88	0.78	-9.97	7.06	2.52	-0.01
67	61	-0.90	-0.79	-31.73	-6.94	-2.47	0.01
67	68	0.75	-1.24	-10.90	8.89	2.18	0.01
67	92	0.78	0.69	-11.22	6.26	2.23	-9.53e-03
67	93	-0.80	-0.70	-30.48	-6.14	-2.18	9.49e-03
67	100	0.67	-1.10	-12.03	7.87	1.93	9.59e-03
67	124	1.46	1.28	-3.06	11.54	4.11	-0.02
67	125	-1.47	-1.28	-38.64	-11.42	-4.07	0.02
67	132	1.23	-2.05	-4.77	14.51	3.52	0.02
68	2	-0.03	-0.08	-96.88	0.32	0.19	-0.03
68	7	-0.02	-0.04	-55.21	0.16	0.03	0.03
68	10	-0.02	-0.06	-69.72	0.22	0.13	-0.02
68	11	-9.36e-03	-0.03	-59.77	0.12	0.04	0.03
68	14	-0.01	-0.03	-65.10	0.11	0.09	-0.01
68	15	-5.49e-03	-0.01	-60.13	0.06	0.05	0.01
68	17	-4.52e-03	-0.01	-60.21	0.05	0.05	6.64e-03
68	18	-9.49e-03	-0.02	-63.14	0.09	0.08	-6.08e-03
68	19	0.80	-0.51	-87.25	1.89	3.09	-2.23
68	22	-0.81	0.46	-39.04	-1.71	-2.94	2.22
68	28	1.72	-1.44	-77.81	5.29	6.49	-1.34
68	40	1.50	-1.74	-54.48	6.42	5.80	0.98
68	51	0.58	-0.39	-80.62	1.43	2.27	-1.62
68	54	-0.60	0.34	-45.67	-1.25	-2.12	1.61
68	60	1.26	-1.09	-73.79	4.03	4.80	-0.99
68	72	1.11	-1.33	-56.87	4.88	4.33	0.70
68	83	0.51	-0.34	-78.57	1.28	2.02	-1.43
68	86	-0.53	0.30	-47.72	-1.10	-1.87	1.42
68	92	1.12	-0.97	-72.55	3.59	4.26	-0.87
68	104	0.99	-1.18	-57.61	4.34	3.84	0.61
68	115	0.96	-0.61	-92.12	2.25	3.70	-2.68
68	118	-0.98	0.56	-34.16	-2.07	-3.55	2.67
68	124	2.08	-1.72	-80.83	6.33	7.83	-1.62
68	136	1.82	-2.09	-52.72	7.71	6.99	1.18
70	2	0.11	-0.05	-38.88	0.50	0.25	1.87e-04

70	3	0.05	-0.05	-23.92	0.32	0.12	3.79e-04
70	6	0.11	-0.08	-38.79	0.64	0.26	5.12e-04
70	9	0.05	-0.03	-26.84	0.23	0.10	2.53e-04
70	10	0.07	-0.03	-27.46	0.34	0.17	1.19e-04
70	12	0.08	-0.05	-27.40	0.43	0.18	3.36e-04
70	13	0.03	-3.04e-03	-26.66	0.05	0.06	-1.11e-05
70	14	0.04	-2.77e-03	-26.97	0.10	0.09	-7.84e-05
70	16	0.04	-0.01	-26.90	0.14	0.09	3.67e-05
70	17	0.03	-3.04e-03	-26.66	0.05	0.06	-1.11e-05
70	18	0.04	-2.88e-03	-26.84	0.08	0.08	-5.15e-05
70	24	1.45	-1.85	-35.06	9.15	3.78	-0.01
70	44	1.29	-2.14	-35.15	10.86	3.38	-0.02
70	45	-1.22	2.14	-18.53	-10.69	-3.22	0.02
70	56	1.09	-1.40	-32.99	6.91	2.83	-0.01
70	76	0.98	-1.62	-33.11	8.21	2.56	-0.01
70	77	-0.91	1.62	-20.58	-8.04	-2.40	0.01
70	88	0.97	-1.24	-32.29	6.15	2.51	-9.76e-03
70	108	0.87	-1.44	-32.41	7.29	2.28	-0.01
70	109	-0.80	1.44	-21.28	-7.13	-2.12	0.01
70	120	1.74	-2.21	-36.74	10.98	4.53	-0.02
70	140	1.55	-2.57	-36.86	13.07	4.05	-0.02
70	141	-1.48	2.57	-16.82	-12.91	-3.89	0.02
71	1	0.04	-0.03	-33.79	0.25	0.11	3.06e-04
71	6	0.08	-0.06	-33.27	0.51	0.22	4.74e-04
71	8	0.07	-0.06	-20.37	0.50	0.20	4.49e-04
71	9	0.03	-0.02	-23.82	0.17	0.08	2.02e-04
71	12	0.05	-0.04	-23.48	0.35	0.15	3.14e-04
71	13	0.01	-6.04e-03	-23.98	0.05	0.03	2.89e-05
71	14	0.02	-0.01	-23.81	0.12	0.06	2.67e-05
71	16	0.02	-0.02	-23.82	0.13	0.06	8.53e-05
71	17	0.01	-6.04e-03	-23.98	0.05	0.03	2.89e-05
71	18	0.02	-0.01	-23.88	0.09	0.05	2.76e-05
71	24	1.42	-2.72	-16.44	12.52	3.74	-7.42e-03
71	44	1.26	-3.04	-16.28	14.31	3.33	-7.24e-03
71	45	-1.23	3.02	-31.48	-14.13	-3.23	7.29e-03
71	48	1.17	-3.05	-16.34	14.33	3.10	-7.66e-03
71	56	1.06	-2.06	-18.30	9.45	2.79	-5.67e-03
71	76	0.95	-2.31	-18.14	10.83	2.51	-5.55e-03
71	77	-0.92	2.29	-29.62	-10.64	-2.41	5.60e-03
71	80	0.89	-2.32	-18.18	10.84	2.35	-5.86e-03
71	88	0.94	-1.83	-18.93	8.40	2.47	-5.04e-03
71	108	0.85	-2.05	-18.78	9.62	2.23	-4.93e-03
71	109	-0.81	2.03	-28.97	-9.44	-2.13	4.98e-03
71	112	0.79	-2.06	-18.82	9.63	2.09	-5.21e-03
71	120	1.71	-3.24	-14.92	14.98	4.48	-8.77e-03
71	140	1.51	-3.64	-14.72	17.19	3.99	-8.57e-03
71	141	-1.48	3.62	-33.04	-17.01	-3.89	8.63e-03
71	144	1.40	-3.65	-14.81	17.22	3.71	-9.06e-03
72	1	0.05	-0.02	-36.73	0.18	0.12	1.99e-04
72	6	0.09	-0.04	-36.00	0.42	0.23	3.26e-04
72	8	0.08	-0.04	-22.44	0.41	0.21	3.13e-04
72	9	0.03	-0.01	-26.14	0.13	0.08	1.31e-04
72	12	0.06	-0.03	-25.65	0.28	0.16	2.17e-04
72	13	0.01	-2.00e-03	-26.46	0.04	0.03	1.45e-05
72	16	0.03	-9.90e-03	-26.24	0.11	0.07	5.66e-05
72	17	0.01	-2.00e-03	-26.46	0.04	0.03	1.45e-05
72	18	0.02	-7.01e-03	-26.34	0.08	0.05	1.77e-05
72	24	1.63	-2.77	-2.33	12.59	4.03	7.34e-03
72	25	-1.59	2.75	-50.36	-12.43	-3.92	-7.30e-03
72	40	1.25	-3.28	-8.03	15.03	3.13	5.77e-03
72	56	1.21	-2.09	-8.56	9.51	3.00	5.57e-03
72	57	-1.17	2.08	-44.12	-9.35	-2.90	-5.53e-03
72	72	0.94	-2.49	-12.67	11.38	2.36	4.37e-03
72	88	1.07	-1.86	-10.60	8.45	2.66	4.94e-03
72	89	-1.03	1.84	-42.09	-8.29	-2.56	-4.91e-03
72	104	0.84	-2.21	-14.22	10.11	2.10	3.88e-03
72	120	1.95	-3.30	2.52	15.06	4.83	8.73e-03
72	121	-1.91	3.28	-55.20	-14.90	-4.73	-8.70e-03
72	136	1.49	-3.92	-4.38	18.03	3.75	6.90e-03
73	1	-1.44	-0.01	-34.97	0.15	-0.08	1.38e-04
73	6	-0.93	-0.04	-26.01	0.37	-0.02	3.05e-04
73	8	-0.37	-0.04	-12.01	0.36	0.02	3.27e-04
73	9	-1.10	-9.61e-03	-25.67	0.11	-0.06	9.47e-05
73	12	-0.76	-0.03	-19.70	0.25	-0.02	2.06e-04
73	13	-1.40	-1.09e-03	-30.09	0.04	-0.09	-1.94e-05

73	14	-1.30	-0.01	-27.93	0.11	-0.08	6.00e-06
73	16	-1.24	-9.63e-03	-27.32	0.10	-0.07	3.39e-05
73	17	-1.40	-1.09e-03	-30.09	0.04	-0.09	-1.94e-05
73	18	-1.34	-6.79e-03	-28.80	0.08	-0.08	-4.16e-06
73	23	39.71	-0.91	409.94	4.19	3.11	7.16e-03
73	26	-42.39	0.89	-467.53	-4.03	-3.28	-7.17e-03
73	40	-14.38	-2.45	-175.34	11.66	-1.15	0.02
73	55	28.88	-0.68	294.54	3.17	2.27	5.40e-03
73	58	-31.57	0.67	-352.14	-3.01	-2.44	-5.41e-03
73	72	-10.82	-1.86	-136.20	8.84	-0.87	0.01
73	87	25.41	-0.61	257.38	2.82	2.00	4.79e-03
73	90	-28.09	0.59	-314.98	-2.67	-2.17	-4.80e-03
73	104	-9.72	-1.65	-123.84	7.86	-0.78	0.01
73	119	47.78	-1.08	497.22	4.99	3.75	8.48e-03
73	122	-50.47	1.06	-554.81	-4.83	-3.92	-8.49e-03
73	136	-17.09	-2.93	-205.90	14.00	-1.37	0.02
74	2	3.74	-3.48	-97.65	0.74	0.78	0.08
74	3	2.10	-1.74	-56.66	0.37	0.43	0.04
74	6	3.92	-3.40	-98.92	0.73	0.81	0.10
74	9	2.03	-1.76	-56.82	0.36	0.41	0.02
74	10	2.60	-2.43	-69.35	0.51	0.54	0.06
74	12	2.73	-2.38	-70.19	0.51	0.56	0.07
74	13	1.59	-1.54	-49.92	0.30	0.31	-7.53e-03
74	14	1.87	-1.87	-56.18	0.38	0.38	0.01
74	16	1.91	-1.81	-55.98	0.37	0.38	0.01
74	17	1.59	-1.54	-49.92	0.30	0.31	-7.53e-03
74	18	1.76	-1.74	-53.67	0.35	0.35	3.14e-03
74	24	43.96	-30.29	-514.36	5.95	8.28	2.23
74	36	36.32	-40.03	-582.09	7.89	7.24	2.57
74	37	-32.80	36.56	474.74	-7.19	-6.54	-2.57
74	40	33.48	-40.48	-575.75	8.00	6.78	2.54
74	56	33.07	-23.21	-401.06	4.57	6.25	1.69
74	68	27.53	-30.65	-453.61	6.05	5.51	1.95
74	69	-24.01	27.18	346.26	-5.36	-4.81	-1.95
74	72	25.52	-31.05	-449.04	6.14	5.18	1.93
74	88	29.50	-20.80	-362.06	4.10	5.57	1.50
74	100	24.61	-27.42	-408.92	5.42	4.93	1.73
74	101	-21.09	23.95	301.57	-4.72	-4.22	-1.73
74	104	22.84	-27.77	-404.88	5.49	4.64	1.71
74	120	52.46	-36.06	-610.45	7.09	9.89	2.68
74	132	43.33	-47.86	-692.14	9.45	8.66	3.10
74	133	-39.81	44.39	584.79	-8.75	-7.95	-3.10
74	136	39.83	-48.35	-684.55	9.57	8.08	3.07
75	2	0.46	-0.07	-41.72	0.19	0.42	-5.79e-04
75	7	0.22	-0.03	-24.01	0.09	0.22	-1.63e-04
75	10	0.33	-0.05	-29.68	0.13	0.30	-3.94e-04
75	11	0.22	-0.03	-26.59	0.07	0.24	-1.17e-04
75	14	0.26	-0.02	-28.20	0.06	0.27	-1.89e-04
75	15	0.21	-0.01	-26.65	0.04	0.24	-5.07e-05
75	17	0.21	-9.52e-03	-26.67	0.03	0.24	-3.41e-05
75	18	0.24	-0.02	-27.59	0.05	0.26	-1.27e-04
75	27	2.47	-0.52	-133.98	1.27	1.68	-4.15e-03
75	28	3.86	-1.26	-97.28	3.13	2.41	-9.39e-03
75	30	-1.99	0.48	78.81	-1.18	-1.17	3.90e-03
75	40	3.43	-1.53	7.17	3.79	2.01	-0.01
75	59	1.92	-0.40	-106.90	0.98	1.33	-3.18e-03
75	60	2.97	-0.96	-79.73	2.38	1.87	-7.14e-03
75	62	-1.44	0.36	51.72	-0.88	-0.82	2.92e-03
75	72	2.64	-1.16	-2.04	2.88	1.56	-8.25e-03
75	91	1.73	-0.35	-97.88	0.87	1.21	-2.83e-03
75	92	2.66	-0.86	-73.83	2.12	1.69	-6.36e-03
75	94	-1.26	0.32	42.70	-0.78	-0.70	2.58e-03
75	104	2.37	-1.03	-4.98	2.56	1.41	-7.34e-03
75	123	2.91	-0.61	-155.27	1.51	1.96	-4.97e-03
75	124	4.58	-1.51	-111.09	3.75	2.84	-0.01
75	126	-2.43	0.57	100.10	-1.41	-1.45	4.71e-03
75	136	4.09	-1.84	14.38	4.55	2.37	-0.01
76	2	1.03	-0.07	-43.43	0.18	0.52	-2.99e-04
76	3	0.67	-0.02	-28.31	0.06	0.34	-5.28e-05
76	6	1.07	-0.06	-43.87	0.17	0.54	-2.44e-04
76	9	0.64	-0.02	-30.47	0.05	0.34	-5.15e-05
76	10	0.74	-0.04	-31.22	0.12	0.38	-2.02e-04
76	12	0.77	-0.04	-31.51	0.12	0.39	-1.65e-04
76	13	0.55	-8.24e-03	-29.69	0.03	0.31	-3.94e-05
76	14	0.60	-0.02	-30.07	0.06	0.33	-1.14e-04

76	16	0.61	-0.02	-30.17	0.06	0.33	-8.85e-05
76	17	0.55	-8.24e-03	-29.69	0.03	0.31	-3.94e-05
76	18	0.58	-0.02	-29.92	0.05	0.32	-8.45e-05
76	24	9.46	-1.08	-120.58	2.76	3.44	3.87e-03
76	25	-8.31	1.05	60.74	-2.67	-2.79	-4.04e-03
76	40	7.00	-1.45	-91.96	3.71	2.49	-4.83e-03
76	56	7.37	-0.82	-98.51	2.09	2.70	2.83e-03
76	57	-6.21	0.79	38.68	-2.00	-2.05	-3.00e-03
76	72	5.46	-1.10	-76.71	2.82	1.96	-3.64e-03
76	88	6.61	-0.73	-90.80	1.86	2.43	2.50e-03
76	89	-5.46	0.70	30.97	-1.77	-1.78	-2.67e-03
76	104	4.92	-0.98	-71.45	2.51	1.78	-3.24e-03
76	120	11.16	-1.30	-137.88	3.32	4.03	4.64e-03
76	121	-10.01	1.27	78.04	-3.22	-3.39	-4.81e-03
76	136	8.26	-1.75	-103.83	4.46	2.91	-5.83e-03
77	2	2.47e-03	-0.09	-38.93	0.22	0.29	-2.73e-04
77	3	6.60e-03	-0.04	-23.81	0.09	0.10	5.20e-05
77	9	7.02e-03	-0.03	-26.75	0.08	0.10	6.10e-05
77	10	2.25e-03	-0.06	-27.52	0.15	0.20	-1.88e-04
77	13	6.90e-03	-0.02	-26.66	0.05	0.09	4.35e-05
77	14	4.52e-03	-0.04	-27.05	0.09	0.14	-8.11e-05
77	17	6.90e-03	-0.02	-26.66	0.05	0.09	4.35e-05
77	18	5.47e-03	-0.03	-26.89	0.07	0.12	-3.12e-05
77	28	0.73	-1.14	-37.14	2.98	4.13	-9.84e-03
77	40	0.64	-1.38	-37.86	3.61	3.90	-8.76e-03
77	41	-0.63	1.31	-15.93	-3.47	-3.66	8.70e-03
77	60	0.58	-0.87	-34.60	2.28	3.17	-7.26e-03
77	72	0.50	-1.05	-35.19	2.75	3.00	-6.52e-03
77	73	-0.49	0.98	-18.60	-2.60	-2.75	6.46e-03
77	92	0.52	-0.78	-33.73	2.03	2.83	-6.43e-03
77	104	0.45	-0.93	-34.26	2.45	2.68	-5.78e-03
77	105	-0.43	0.87	-19.53	-2.30	-2.43	5.72e-03
77	124	0.87	-1.36	-39.27	3.57	4.93	-0.01
77	136	0.76	-1.65	-40.15	4.33	4.68	-0.01
77	137	-0.75	1.58	-13.64	-4.19	-4.43	0.01
78	1	9.54e-03	2.05	-41.33	-0.13	0.12	1.54e-04
78	4	5.11e-03	0.88	-16.79	-0.02	0.11	5.45e-04
78	6	0.01	1.68	-33.13	-0.08	0.16	5.43e-04
78	9	6.11e-03	1.51	-29.91	-0.09	0.09	1.11e-04
78	10	5.79e-03	1.15	-23.47	-0.05	0.10	3.35e-04
78	12	6.91e-03	1.26	-24.44	-0.06	0.11	3.70e-04
78	13	4.58e-03	1.50	-31.35	-0.10	0.07	-4.36e-05
78	14	4.41e-03	1.32	-28.14	-0.08	0.07	6.84e-05
78	16	4.99e-03	1.40	-28.94	-0.09	0.08	7.50e-05
78	17	4.58e-03	1.50	-31.35	-0.10	0.07	-4.36e-05
78	18	4.48e-03	1.39	-29.42	-0.09	0.07	2.36e-05
78	19	0.93	34.77	-387.11	-2.57	4.32	6.60e-03
78	35	0.69	36.28	-429.03	-2.90	3.16	-4.95e-03
78	38	-0.68	-33.49	370.18	2.72	-3.02	5.00e-03
78	51	0.71	26.03	-294.59	-1.93	3.25	4.89e-03
78	67	0.52	27.42	-328.43	-2.19	2.37	-3.75e-03
78	70	-0.51	-24.63	269.58	2.02	-2.23	3.80e-03
78	83	0.63	23.21	-264.34	-1.72	2.89	4.33e-03
78	99	0.46	24.48	-294.64	-1.96	2.11	-3.33e-03
78	102	-0.45	-21.69	235.80	1.78	-1.97	3.38e-03
78	115	1.10	41.36	-458.47	-3.06	5.12	7.94e-03
78	131	0.81	43.25	-509.99	-3.47	3.75	-5.98e-03
78	134	-0.81	-40.46	451.14	3.29	-3.61	6.03e-03
79	2	0.02	-0.05	-28.46	0.23	0.26	7.00e-05
79	7	3.09e-03	-0.12	-18.09	0.36	0.12	2.61e-04
79	8	0.02	-0.12	-18.46	0.38	0.23	2.04e-04
79	10	0.01	-0.03	-20.73	0.15	0.18	4.29e-05
79	11	3.06e-03	-0.07	-20.04	0.23	0.10	1.71e-04
79	12	0.01	-0.07	-20.29	0.25	0.17	1.33e-04
79	14	8.33e-03	0.02	-21.05	-6.17e-03	0.10	-4.13e-05
79	15	2.37e-03	1.79e-03	-20.70	0.03	0.06	2.26e-05
79	16	6.05e-03	2.25e-03	-20.81	0.04	0.09	6.45e-06
79	17	2.20e-03	0.02	-20.87	-0.02	0.05	-1.45e-05
79	18	5.88e-03	0.02	-20.97	-0.01	0.08	-3.06e-05
79	20	2.57	-1.03	-9.25	2.90	11.24	-0.02
79	48	1.84	-1.34	-5.55	3.78	8.61	-0.01
79	49	-1.83	1.38	-36.40	-3.80	-8.45	0.01
79	52	1.89	-0.76	-12.17	2.16	8.30	-0.01
79	80	1.38	-1.00	-9.40	2.82	6.46	-0.01
79	81	-1.37	1.04	-32.55	-2.84	-6.30	0.01

79	84	1.67	-0.67	-13.16	1.91	7.35	-0.01
79	112	1.22	-0.88	-10.71	2.50	5.73	-9.50e-03
79	113	-1.21	0.92	-31.24	-2.52	-5.57	9.43e-03
79	116	3.09	-1.24	-6.81	3.50	13.54	-0.02
79	144	2.21	-1.63	-2.32	4.57	10.37	-0.02
79	145	-2.20	1.67	-39.63	-4.60	-10.21	0.02
113	2	-2.04	-0.02	-47.42	0.11	-2.83	0.0
113	7	-0.40	-6.77e-03	-23.68	0.05	-0.62	0.0
113	10	-1.41	-0.01	-33.90	0.07	-1.95	0.0
113	11	-0.39	-5.07e-03	-25.37	0.04	-0.57	0.0
113	14	-0.88	-4.94e-03	-29.69	0.04	-1.18	0.0
113	15	-0.37	-1.94e-03	-25.43	0.02	-0.49	0.0
113	17	-0.37	-1.16e-03	-25.44	0.01	-0.47	0.0
113	18	-0.68	-3.43e-03	-27.99	0.03	-0.90	0.0
113	28	2.66	-0.38	-36.81	1.86	11.75	0.0
113	29	-4.01	0.37	-19.17	-1.81	-13.55	0.0
113	40	1.79	-0.45	-35.55	2.25	8.65	0.0
113	60	1.81	-0.29	-34.47	1.42	8.46	0.0
113	61	-3.16	0.28	-21.51	-1.36	-10.25	0.0
113	72	1.15	-0.34	-33.58	1.71	6.15	0.0
113	92	1.53	-0.25	-33.72	1.26	7.39	0.0
113	93	-2.88	0.25	-22.26	-1.20	-9.19	0.0
113	104	0.94	-0.31	-32.94	1.52	5.35	0.0
113	124	3.32	-0.45	-38.67	2.23	14.31	0.0
113	125	-4.67	0.44	-17.31	-2.17	-16.11	0.0
113	136	2.30	-0.54	-37.13	2.71	10.61	0.0
125	2	0.65	-0.03	-10.70	0.19	2.48	0.0
125	4	0.61	-0.03	-7.77	0.18	2.31	0.0
125	5	0.18	-0.03	-12.74	0.19	0.64	0.0
125	6	0.51	-0.03	-11.33	0.23	1.93	0.0
125	10	0.45	-0.02	-8.44	0.13	1.71	0.0
125	11	0.14	-0.02	-9.80	0.13	0.48	0.0
125	12	0.36	-0.02	-8.85	0.16	1.34	0.0
125	14	0.28	-6.74e-03	-9.09	0.04	1.09	0.0
125	15	0.12	-6.76e-03	-9.77	0.04	0.48	0.0
125	16	0.22	-8.56e-03	-9.37	0.06	0.84	0.0
125	17	0.12	-3.73e-03	-9.76	0.02	0.47	0.0
125	18	0.22	-5.54e-03	-9.36	0.03	0.84	0.0
125	28	1.22	0.80	-5.51	-2.90	4.53	0.0
125	29	-0.79	-0.81	-13.21	2.97	-2.84	0.0
125	31	1.52	1.52	-6.89	-5.73	5.16	0.0
125	38	-0.61	-1.79	-7.75	6.74	-0.93	0.0
125	60	1.00	0.58	-6.53	-2.11	3.68	0.0
125	61	-0.57	-0.60	-12.19	2.18	-2.00	0.0
125	63	1.23	1.11	-7.55	-4.19	4.15	0.0
125	70	-0.41	-1.31	-8.16	4.95	-0.50	0.0
125	92	0.92	0.52	-6.86	-1.86	3.37	0.0
125	93	-0.48	-0.53	-11.86	1.93	-1.69	0.0
125	95	1.12	0.98	-7.76	-3.71	3.79	0.0
125	102	-0.34	-1.16	-8.29	4.38	-0.35	0.0
125	124	1.38	0.96	-4.70	-3.49	5.17	0.0
125	125	-0.95	-0.97	-14.02	3.56	-3.48	0.0
125	127	1.75	1.83	-6.37	-6.91	5.92	0.0
125	134	-0.77	-2.16	-7.41	8.12	-1.25	0.0
156	1	-0.52	-0.36	-1.02	0.03	-0.05	0.0
156	4	-0.12	-0.43	-0.41	0.04	-4.73e-03	0.0
156	6	-0.39	-0.55	-0.73	0.06	-0.03	0.0
156	9	-0.36	-0.25	-0.77	0.02	-0.04	0.0
156	10	-0.24	-0.35	-0.57	0.03	-0.02	0.0
156	12	-0.27	-0.38	-0.58	0.04	-0.02	0.0
156	13	-0.37	-0.17	-0.85	0.01	-0.04	0.0
156	14	-0.31	-0.22	-0.75	0.02	-0.03	0.0
156	16	-0.33	-0.23	-0.76	0.02	-0.03	0.0
156	17	-0.37	-0.17	-0.85	0.01	-0.04	0.0
156	18	-0.33	-0.20	-0.79	0.02	-0.03	0.0
156	29	-4.40	5.17	-7.72	-0.67	-0.65	0.0
156	40	3.10	-6.89	7.08	0.86	0.48	0.0
156	41	-3.76	6.49	-8.66	-0.83	-0.55	0.0
156	61	-3.41	3.87	-6.06	-0.50	-0.50	0.0
156	72	2.25	-5.26	5.18	0.66	0.35	0.0
156	73	-2.91	4.87	-6.76	-0.63	-0.42	0.0
156	93	-3.06	3.41	-5.47	-0.44	-0.44	0.0
156	104	1.96	-4.69	4.52	0.59	0.31	0.0
156	105	-2.62	4.30	-6.09	-0.56	-0.38	0.0
156	125	-5.22	6.28	-9.14	-0.81	-0.77	0.0

156	136	3.80	-8.27	8.71	1.04	0.59	0.0
156	137	-4.46	7.88	-10.29	-1.01	-0.65	0.0
157	1	-0.67	0.01	-21.23	0.09	-0.09	-2.87e-04
157	3	-0.42	-0.02	-16.27	0.07	-0.05	-2.87e-04
157	6	-0.57	-0.11	-23.19	0.13	-0.06	-1.20e-03
157	9	-0.49	9.01e-03	-16.05	0.06	-0.06	-1.83e-04
157	12	-0.42	-0.07	-17.36	0.09	-0.04	-7.91e-04
157	13	-0.54	0.05	-15.25	0.04	-0.08	3.70e-05
157	16	-0.51	0.01	-15.85	0.06	-0.07	-2.34e-04
157	17	-0.54	0.05	-15.25	0.04	-0.08	3.70e-05
157	18	-0.52	0.03	-15.58	0.05	-0.07	-1.61e-04
157	19	4.34	-1.17	112.75	0.55	0.97	-8.92e-03
157	22	-5.38	1.23	-143.90	-0.44	-1.12	8.60e-03
157	25	-7.12	2.91	-90.81	-1.07	-1.55	0.02
157	36	4.06	-3.50	-82.76	1.38	1.00	-0.03
157	51	3.20	-0.89	80.00	0.43	0.73	-6.73e-03
157	54	-4.24	0.95	-111.15	-0.33	-0.87	6.40e-03
157	57	-5.55	2.22	-71.43	-0.81	-1.20	0.02
157	68	2.92	-2.65	-65.84	1.06	0.74	-0.02
157	83	2.78	-0.79	69.13	0.39	0.64	-5.98e-03
157	86	-3.83	0.85	-100.28	-0.29	-0.78	5.66e-03
157	89	-4.98	1.98	-65.05	-0.71	-1.07	0.02
157	100	2.54	-2.36	-60.17	0.95	0.65	-0.02
157	115	5.25	-1.41	137.85	0.65	1.17	-0.01
157	118	-6.29	1.47	-169.00	-0.54	-1.31	0.01
157	121	-8.36	3.50	-105.27	-1.30	-1.83	0.03
157	132	4.94	-4.24	-96.60	1.65	1.21	-0.04
164	1	-0.50	7.28e-05	-1.89	0.0	0.0	0.0
164	2	-1.64	2.74e-04	-8.28	0.0	0.0	0.0
164	7	-0.42	5.64e-05	-1.43	0.0	0.0	0.0
164	9	-0.39	5.63e-05	-1.45	0.0	0.0	0.0
164	10	-1.15	1.91e-04	-5.71	0.0	0.0	0.0
164	11	-0.40	5.62e-05	-1.44	0.0	0.0	0.0
164	13	-0.37	5.66e-05	-1.46	0.0	0.0	0.0
164	14	-0.75	1.24e-04	-3.59	0.0	0.0	0.0
164	15	-0.38	5.65e-05	-1.45	0.0	0.0	0.0
164	17	-0.37	5.66e-05	-1.46	0.0	0.0	0.0
164	18	-0.60	9.69e-05	-2.74	0.0	0.0	0.0
164	19	5.25	7.22e-04	-6.16	0.0	0.0	0.0
164	27	6.54	7.07e-04	-6.91	0.0	0.0	0.0
164	30	-7.75	-5.14e-04	1.44	0.0	0.0	0.0
164	51	3.91	6.12e-04	-5.37	0.0	0.0	0.0
164	59	4.93	6.01e-04	-5.97	0.0	0.0	0.0
164	62	-6.14	-4.07e-04	0.50	0.0	0.0	0.0
164	83	3.40	5.55e-04	-5.08	0.0	0.0	0.0
164	91	4.33	5.45e-04	-5.62	0.0	0.0	0.0
164	94	-5.54	-3.52e-04	0.15	0.0	0.0	0.0
164	115	6.33	7.96e-04	-6.79	0.0	0.0	0.0
164	123	7.80	7.77e-04	-7.64	0.0	0.0	0.0
164	126	-9.00	-5.83e-04	2.17	0.0	0.0	0.0
165	1	1.01	-5.12e-05	-2.86	0.0	0.0	0.0
165	2	3.80	-2.02e-04	-11.81	0.0	0.0	0.0
165	7	0.71	-4.27e-05	-2.16	0.0	0.0	0.0
165	9	0.80	-3.90e-05	-2.21	0.0	0.0	0.0
165	10	2.66	-1.40e-04	-8.18	0.0	0.0	0.0
165	11	0.75	-4.06e-05	-2.18	0.0	0.0	0.0
165	13	0.87	-3.66e-05	-2.25	0.0	0.0	0.0
165	14	1.80	-8.69e-05	-5.24	0.0	0.0	0.0
165	15	0.84	-3.74e-05	-2.24	0.0	0.0	0.0
165	17	0.87	-3.66e-05	-2.25	0.0	0.0	0.0
165	18	1.43	-6.67e-05	-4.04	0.0	0.0	0.0
165	19	16.21	1.90e-03	-12.60	0.0	0.0	0.0
165	28	34.36	4.23e-04	-23.12	0.0	0.0	0.0
165	29	-31.51	-5.57e-04	15.03	0.0	0.0	0.0
165	51	12.25	1.43e-03	-10.31	0.0	0.0	0.0
165	60	25.71	2.34e-04	-18.11	0.0	0.0	0.0
165	61	-22.86	-3.68e-04	10.02	0.0	0.0	0.0
165	83	11.00	1.26e-03	-9.58	0.0	0.0	0.0
165	92	22.93	1.96e-04	-16.49	0.0	0.0	0.0
165	93	-20.08	-3.30e-04	8.41	0.0	0.0	0.0
165	115	19.22	2.25e-03	-14.35	0.0	0.0	0.0
165	124	41.24	5.87e-04	-27.10	0.0	0.0	0.0
165	125	-38.39	-7.21e-04	19.02	0.0	0.0	0.0
189	2	-0.42	-7.79e-03	-46.24	0.03	-0.68	0.0
189	3	-0.08	-2.19e-03	-10.65	7.14e-03	-0.13	0.0

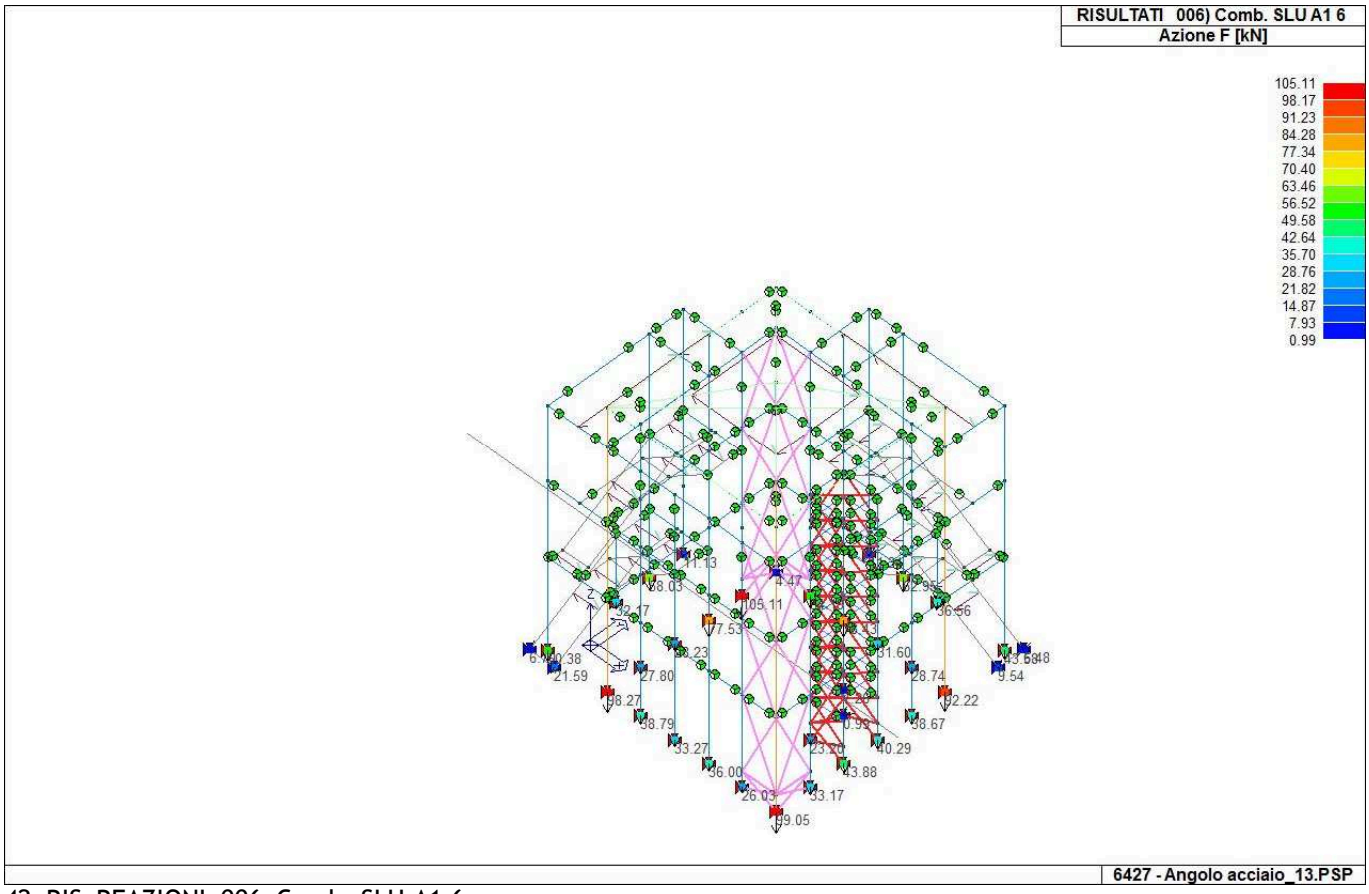
189	9	-0.08	-1.96e-03	-10.65	6.37e-03	-0.13	0.0
189	10	-0.29	-5.37e-03	-32.23	0.02	-0.47	0.0
189	13	-0.08	-1.44e-03	-10.62	4.70e-03	-0.13	0.0
189	14	-0.19	-3.15e-03	-21.41	0.01	-0.30	0.0
189	17	-0.08	-1.44e-03	-10.62	4.70e-03	-0.13	0.0
189	18	-0.14	-2.47e-03	-17.09	8.03e-03	-0.23	0.0
189	28	-0.07	-0.68	-6.16	2.21	-0.01	0.0
189	29	-0.22	0.68	-28.02	-2.20	-0.45	0.0
189	34	-0.23	-0.61	-24.88	2.00	-0.50	0.0
189	38	-0.18	-2.84	-13.69	9.24	-0.36	0.0
189	60	-0.09	-0.56	-8.97	1.83	-0.06	0.0
189	61	-0.20	0.56	-25.22	-1.82	-0.40	0.0
189	66	-0.21	-0.50	-22.91	1.62	-0.44	0.0
189	70	-0.17	-2.30	-14.60	7.50	-0.33	0.0
189	92	-0.09	-0.50	-9.89	1.63	-0.08	0.0
189	93	-0.19	0.50	-24.30	-1.62	-0.38	0.0
189	98	-0.20	-0.45	-22.25	1.46	-0.42	0.0
189	102	-0.17	-2.05	-14.88	6.67	-0.32	0.0
189	124	-0.06	-0.76	-3.97	2.47	0.02	0.0
189	125	-0.23	0.75	-30.21	-2.45	-0.49	0.0
189	130	-0.25	-0.71	-26.41	2.31	-0.55	0.0
189	134	-0.19	-3.20	-12.95	10.43	-0.38	0.0
190	2	-2.23	-0.01	-75.58	0.13	-2.62	0.0
190	3	-0.41	-8.31e-03	-25.61	0.08	-0.49	0.0
190	6	-1.71	-0.02	-62.92	0.16	-2.01	0.0
190	9	-0.43	-6.50e-03	-25.62	0.06	-0.51	0.0
190	10	-1.54	-9.47e-03	-53.79	0.09	-1.81	0.0
190	12	-1.19	-0.01	-45.35	0.11	-1.41	0.0
190	13	-0.44	-2.45e-03	-25.60	0.02	-0.53	0.0
190	14	-1.00	-3.93e-03	-39.69	0.03	-1.18	0.0
190	16	-0.77	-4.69e-03	-34.06	0.04	-0.91	0.0
190	17	-0.44	-2.45e-03	-25.60	0.02	-0.53	0.0
190	18	-0.78	-3.34e-03	-34.05	0.03	-0.92	0.0
190	28	-5.59	1.33	-30.19	-4.52	-6.01	0.0
190	29	4.04	-1.33	-37.92	4.57	4.18	0.0
190	32	-5.60	1.57	-30.23	-5.27	-6.02	0.0
190	38	-2.24	-3.12	-32.50	11.01	-2.53	0.0
190	60	-4.34	0.97	-31.12	-3.31	-4.69	0.0
190	61	2.79	-0.98	-36.98	3.36	2.85	0.0
190	70	-1.85	-2.29	-32.93	8.06	-2.10	0.0
190	92	-3.94	0.86	-31.45	-2.92	-4.26	0.0
190	93	2.38	-0.87	-36.66	2.98	2.42	0.0
190	102	-1.73	-2.02	-33.06	7.13	-1.96	0.0
190	124	-6.56	1.58	-29.42	-5.41	-7.04	0.0
190	125	5.00	-1.59	-38.69	5.47	5.21	0.0
190	128	-6.57	1.87	-29.47	-6.32	-7.05	0.0
190	134	-2.56	-3.76	-32.16	13.25	-2.87	0.0
195	1	-0.09	-0.39	-14.68	0.02	0.36	-4.42e-04
195	2	0.40	-0.66	-6.46	0.03	0.47	-1.72e-03
195	4	0.43	-0.64	-1.84	0.07	0.32	-1.70e-03
195	8	0.27	-0.73	-2.60	0.10	0.27	-1.61e-03
195	9	-0.06	-0.28	-11.28	0.02	0.26	-2.87e-04
195	10	0.26	-0.46	-5.80	0.03	0.33	-1.14e-03
195	12	0.16	-0.52	-6.30	0.05	0.29	-1.08e-03
195	13	-0.05	-0.10	-12.98	-0.02	0.28	2.86e-06
195	14	0.11	-0.19	-10.24	-0.02	0.31	-4.24e-04
195	17	-0.05	-0.10	-12.98	-0.02	0.28	2.86e-06
195	18	0.05	-0.16	-11.34	-0.02	0.30	-2.54e-04
195	19	11.29	-4.88	59.04	-3.72	4.19	-0.01
195	35	9.23	9.34	-126.47	-3.81	3.44	0.03
195	40	-3.37	-14.64	175.98	2.13	-0.91	-0.04
195	41	3.47	14.32	-198.66	-2.16	1.51	0.04
195	51	8.43	-3.67	42.08	-2.77	3.17	-9.34e-03
195	67	6.86	7.03	-98.56	-2.84	2.60	0.02
195	72	-2.44	-11.07	130.60	1.58	-0.57	-0.03
195	73	2.54	10.76	-153.28	-1.62	1.17	0.03
195	83	7.47	-3.27	36.10	-2.45	2.84	-8.31e-03
195	99	6.08	6.22	-88.84	-2.52	2.33	0.02
195	104	-2.15	-9.85	114.75	1.40	-0.47	-0.03
195	105	2.25	9.54	-137.43	-1.44	1.06	0.03
195	115	13.50	-5.84	73.28	-4.46	4.95	-0.01
195	131	11.07	11.31	-150.56	-4.58	4.06	0.03
195	136	-4.08	-17.61	214.92	2.57	-1.16	-0.05
195	137	4.18	17.29	-237.60	-2.61	1.75	0.05

Nodo		Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		-50.47	-53.97	-692.76	-19.64	-19.00	-3.10
		53.61	54.12	628.42	37.81	27.24	3.10

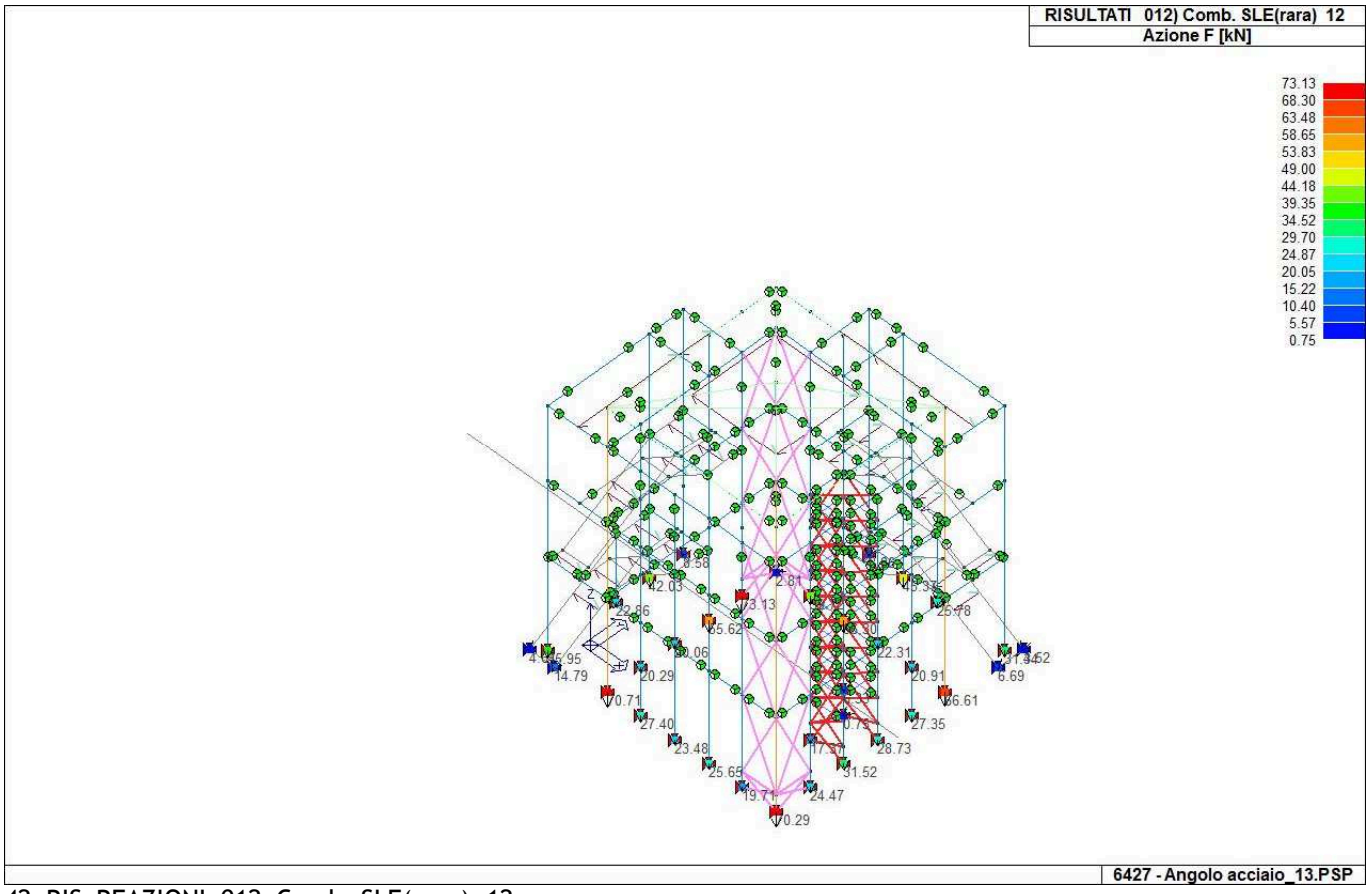
Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		kN	kN	kN	kN m	kN m	kN m
1	146	-3.32e-04	-15.66	-12.25	0.0	0.0	0.0
	143	8.88e-05	18.39	7.67	0.0	0.0	0.0
	1	-7.54e-05	-0.35	-2.38	0.0	0.0	0.0
	1	-7.54e-05	-0.35	-2.38	0.0	0.0	0.0
	1	-7.54e-05	-0.35	-2.38	0.0	0.0	0.0
	1	-7.54e-05	-0.35	-2.38	0.0	0.0	0.0
2	144	-1.28e-03	-51.43	-33.02	0.0	0.0	0.0
	145	1.39e-03	46.54	23.75	0.0	0.0	0.0
	1	-1.19e-04	-7.21	-6.45	0.0	0.0	0.0
	1	-1.19e-04	-7.21	-6.45	0.0	0.0	0.0
	1	-1.19e-04	-7.21	-6.45	0.0	0.0	0.0
	1	-1.19e-04	-7.21	-6.45	0.0	0.0	0.0
14	2	0.10	-0.04	-101.82	0.43	0.37	0.03
	139	-0.81	1.58	-29.26	-5.74	-3.10	1.28
	145	-1.75	2.40	-44.45	-8.71	-6.48	2.27
	144	1.81	-2.33	-83.22	8.71	6.67	-2.28
	121	-2.23	1.95	-82.17	-7.02	-7.95	2.18
	120	2.28	-1.88	-45.51	7.02	8.14	-2.19
29	2	0.04	1.53	-89.06	-1.87	0.33	-1.58e-04
	145	-4.81	3.79	-6.83	-7.42	-19.00	-7.25e-03
	145	-4.81	3.79	-6.83	-7.42	-19.00	-7.25e-03
	144	4.84	-2.53	-81.98	5.78	19.22	7.12e-03
	117	-4.82	2.93	-15.10	-5.75	-27.02	-0.01
	116	4.84	-1.67	-73.72	4.11	27.24	0.01
30	2	6.22e-03	0.23	-37.47	-0.48	0.02	0.0
	144	0.91	-1.62	0.28	4.83	2.96	0.0
	145	-0.90	1.85	-29.89	-5.36	-2.95	0.0
	144	0.91	-1.62	0.28	4.83	2.96	0.0
	118	-4.72	0.71	-19.22	-2.03	-15.35	0.0
	115	4.72	-0.48	-10.39	1.49	15.37	0.0
35	2	6.23e-03	0.34	-43.67	-0.46	0.02	0.0
	144	0.91	0.06	-1.71	-1.68e-03	2.96	0.0
	2	6.23e-03	0.34	-43.67	-0.46	0.02	0.0
	142	-1.52	0.05	-4.23	0.04	-4.94	0.0
	118	-4.72	0.08	-18.67	-0.05	-15.35	0.0
	115	4.72	0.15	-15.64	-0.27	15.37	0.0
36	2	0.04	1.51	-71.39	-1.72	0.34	0.0
	7	0.02	1.29	-22.07	-1.39	0.11	0.0
	144	4.84	3.69	-25.86	-3.93	19.23	0.0
	145	-4.82	-3.08	-40.76	3.19	-19.00	0.0
	117	-4.81	-0.56	-38.17	0.53	-27.01	0.0
	116	4.83	1.18	-28.45	-1.27	27.23	0.0
42	146	-3.29	-53.97	-650.18	4.34	-13.89	-0.02
	143	3.31	51.92	574.07	-4.18	14.12	0.02
	143	3.31	51.92	574.07	-4.18	14.12	0.02
	146	-3.29	-53.97	-650.18	4.34	-13.89	-0.02
	118	-4.63	-45.52	-533.75	3.51	-18.40	-0.04
	115	4.65	43.47	457.64	-3.35	18.63	0.04
43	145	1.37	1.73	-13.55	-4.94	-13.14	0.0
	144	-1.34	-1.92	-4.67	5.65	13.42	0.0
	143	2.93	2.13	-12.12	-5.75	-5.98	0.0
	6	0.05	-5.12	-9.88	7.55	0.34	0.0
	117	-2.59	-0.37	-12.07	0.69	-17.12	0.0
	116	2.63	0.17	-6.16	0.02	17.40	0.0
62	2	0.05	0.66	-53.24	-0.14	0.34	0.0
	145	-1.24	2.61	-15.60	-7.88	-6.39	0.0
	145	-1.24	2.61	-15.60	-7.88	-6.39	0.0
	144	1.26	-1.76	-42.47	6.72	6.55	0.0
	121	-1.64	1.43	-19.56	-3.77	-7.88	0.0
	120	1.66	-0.58	-38.50	2.61	8.04	0.0
63	145	-40.94	54.12	-692.76	-10.45	-8.26	1.76
	144	38.99	-51.36	628.42	10.07	8.02	-1.77
	145	-40.94	54.12	-692.76	-10.45	-8.26	1.76
	144	38.99	-51.36	628.42	10.07	8.02	-1.77
	125	-47.73	42.98	-589.43	-8.09	-9.17	-2.31
	124	45.78	-40.21	525.09	7.71	8.93	2.30
64	127	53.61	5.10	-637.03	-19.64	4.23	0.04
	130	-50.23	-5.11	545.48	19.78	-3.96	-0.04

	131	39.66	6.07	-498.47	-23.02	3.26	0.05
	134	-36.28	-6.08	406.92	23.16	-2.99	-0.05
	130	-50.23	-5.11	545.48	19.78	-3.96	-0.04
	127	53.61	5.10	-637.03	-19.64	4.23	0.04
65	2	-1.86	-0.04	-91.25	0.37	-2.38	4.38e-04
	125	-3.39	-4.56	-5.12	15.59	-6.65	0.01
	131	-1.86	10.77	-27.95	-37.66	-3.43	9.41e-03
	134	0.56	-10.79	-62.85	37.81	1.78	-9.37e-03
	125	-3.39	-4.56	-5.12	15.59	-6.65	0.01
	124	2.09	4.55	-85.68	-15.44	4.99	-0.01
66	2	-0.32	-0.02	-39.79	0.07	-0.73	0.0
	124	1.45	-2.15	-1.82	7.01	4.31	0.0
	131	-0.81	9.09	-20.57	-29.59	-2.31	0.0
	134	0.60	-9.11	-9.39	29.64	1.82	0.0
	125	-1.66	2.14	-28.14	-6.96	-4.80	0.0
	124	1.45	-2.15	-1.82	7.01	4.31	0.0
67	125	-1.47	-1.28	-38.64	-11.42	-4.07	0.02
	124	1.46	1.28	-3.06	11.54	4.11	-0.02
	133	-1.25	2.04	-36.93	-14.39	-3.47	-0.02
	132	1.23	-2.05	-4.77	14.51	3.52	0.02
	125	-1.47	-1.28	-38.64	-11.42	-4.07	0.02
	124	1.46	1.28	-3.06	11.54	4.11	-0.02
68	2	-0.03	-0.08	-96.88	0.32	0.19	-0.03
	118	-0.98	0.56	-34.16	-2.07	-3.55	2.67
	137	-1.84	2.05	-73.57	-7.54	-6.84	-1.19
	136	1.82	-2.09	-52.72	7.71	6.99	1.18
	125	-2.10	1.67	-45.46	-6.15	-7.68	1.61
	124	2.08	-1.72	-80.83	6.33	7.83	-1.62
70	2	0.11	-0.05	-38.88	0.50	0.25	1.87e-04
	141	-1.48	2.57	-16.82	-12.91	-3.89	0.02
	141	-1.48	2.57	-16.82	-12.91	-3.89	0.02
	140	1.55	-2.57	-36.86	13.07	4.05	-0.02
	121	-1.67	2.21	-16.94	-10.81	-4.38	0.02
	120	1.74	-2.21	-36.74	10.98	4.53	-0.02
71	1	0.04	-0.03	-33.79	0.25	0.11	3.06e-04
	140	1.51	-3.64	-14.72	17.19	3.99	-8.57e-03
	145	-1.37	3.63	-32.94	-17.04	-3.62	9.12e-03
	144	1.40	-3.65	-14.81	17.22	3.71	-9.06e-03
	121	-1.67	3.22	-32.83	-14.79	-4.38	8.83e-03
	120	1.71	-3.24	-14.92	14.98	4.48	-8.77e-03
72	121	-1.91	3.28	-55.20	-14.90	-4.73	-8.70e-03
	120	1.95	-3.30	2.52	15.06	4.83	8.73e-03
	137	-1.46	3.91	-48.31	-17.87	-3.65	-6.87e-03
	136	1.49	-3.92	-4.38	18.03	3.75	6.90e-03
	121	-1.91	3.28	-55.20	-14.90	-4.73	-8.70e-03
	120	1.95	-3.30	2.52	15.06	4.83	8.73e-03
73	122	-50.47	1.06	-554.81	-4.83	-3.92	-8.49e-03
	119	47.78	-1.08	497.22	4.99	3.75	8.48e-03
	137	14.40	2.91	148.30	-13.84	1.20	-0.02
	136	-17.09	-2.93	-205.90	14.00	-1.37	0.02
	122	-50.47	1.06	-554.81	-4.83	-3.92	-8.49e-03
	119	47.78	-1.08	497.22	4.99	3.75	8.48e-03
74	132	43.33	-47.86	-692.14	9.45	8.66	3.10
	133	-39.81	44.39	584.79	-8.75	-7.95	-3.10
	137	-36.31	44.88	577.20	-8.87	-7.38	-3.06
	136	39.83	-48.35	-684.55	9.57	8.08	3.07
	121	-48.94	32.59	503.10	-6.40	-9.18	-2.67
	120	52.46	-36.06	-610.45	7.09	9.89	2.68
75	123	2.91	-0.61	-155.27	1.51	1.96	-4.97e-03
	126	-2.43	0.57	100.10	-1.41	-1.45	4.71e-03
	137	-3.61	1.80	-69.56	-4.45	-1.85	0.01
	136	4.09	-1.84	14.38	4.55	2.37	-0.01
	125	-4.11	1.48	55.91	-3.65	-2.33	0.01
	124	4.58	-1.51	-111.09	3.75	2.84	-0.01
76	120	11.16	-1.30	-137.88	3.32	4.03	4.64e-03
	121	-10.01	1.27	78.04	-3.22	-3.39	-4.81e-03
	137	-7.10	1.71	44.00	-4.37	-2.26	5.66e-03
	136	8.26	-1.75	-103.83	4.46	2.91	-5.83e-03
	121	-10.01	1.27	78.04	-3.22	-3.39	-4.81e-03
	120	11.16	-1.30	-137.88	3.32	4.03	4.64e-03
77	136	0.76	-1.65	-40.15	4.33	4.68	-0.01
	137	-0.75	1.58	-13.64	-4.19	-4.43	0.01
	137	-0.75	1.58	-13.64	-4.19	-4.43	0.01
	136	0.76	-1.65	-40.15	4.33	4.68	-0.01
	125	-0.86	1.29	-14.52	-3.42	-4.69	0.01

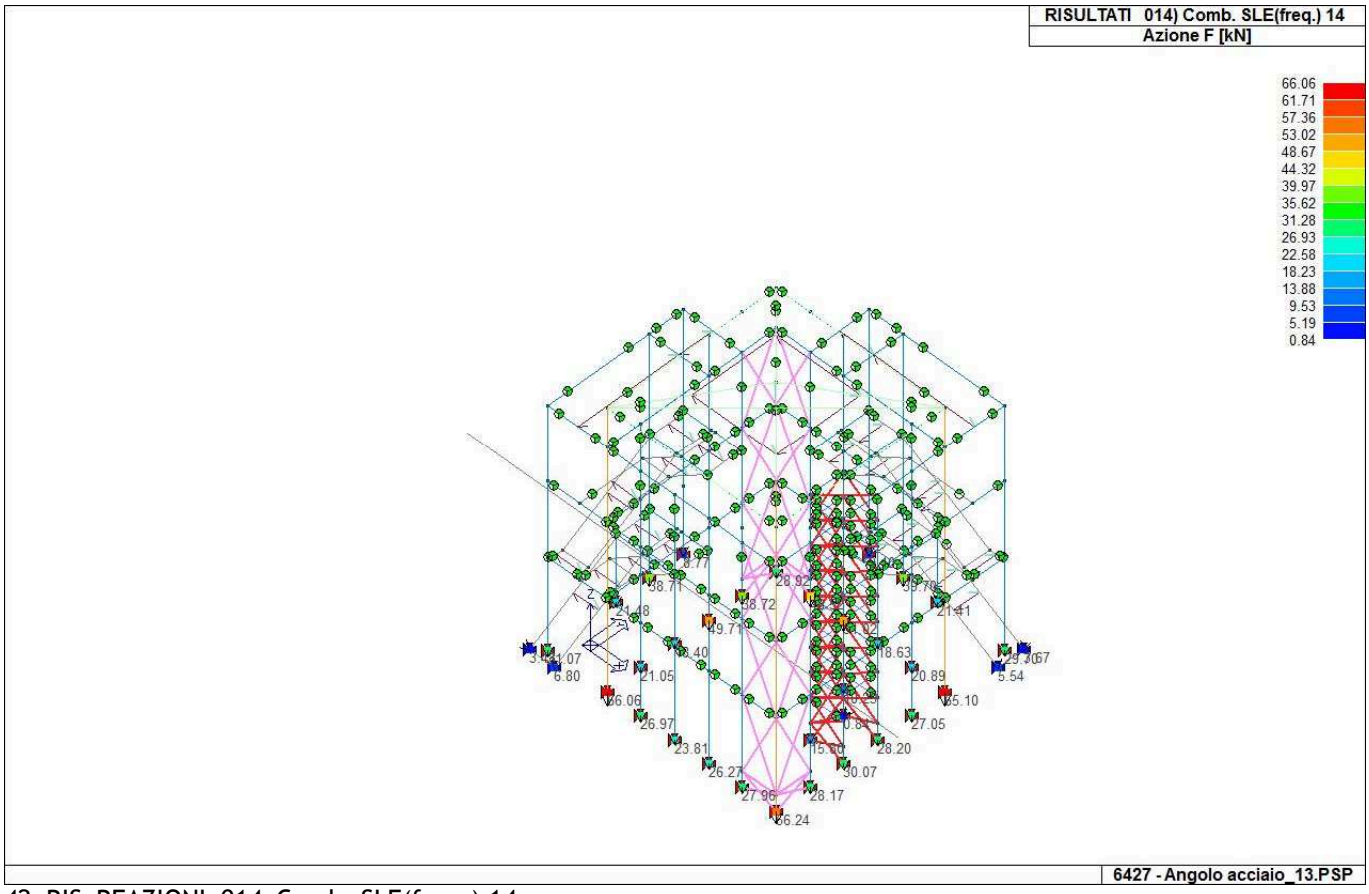
	124	0.87	-1.36	-39.27	3.57	4.93	-0.01
78	131	0.81	43.25	-509.99	-3.47	3.75	-5.98e-03
	134	-0.81	-40.46	451.14	3.29	-3.61	6.03e-03
	131	0.81	43.25	-509.99	-3.47	3.75	-5.98e-03
	134	-0.81	-40.46	451.14	3.29	-3.61	6.03e-03
	118	-1.09	-38.57	399.62	2.88	-4.98	-7.90e-03
	115	1.10	41.36	-458.47	-3.06	5.12	7.94e-03
79	145	-2.20	1.67	-39.63	-4.60	-10.21	0.02
	144	2.21	-1.63	-2.32	4.57	10.37	-0.02
	145	-2.20	1.67	-39.63	-4.60	-10.21	0.02
	144	2.21	-1.63	-2.32	4.57	10.37	-0.02
	117	-3.08	1.28	-35.14	-3.52	-13.38	0.02
	116	3.09	-1.24	-6.81	3.50	13.54	-0.02
113	2	-2.04	-0.02	-47.42	0.11	-2.83	0.0
	125	-4.67	0.44	-17.31	-2.17	-16.11	0.0
	137	-3.65	0.54	-18.85	-2.65	-12.41	0.0
	136	2.30	-0.54	-37.13	2.71	10.61	0.0
	125	-4.67	0.44	-17.31	-2.17	-16.11	0.0
	124	3.32	-0.45	-38.67	2.23	14.31	0.0
125	125	-0.95	-0.97	-14.02	3.56	-3.48	0.0
	124	1.38	0.96	-4.70	-3.49	5.17	0.0
	131	1.20	2.15	-11.31	-8.05	2.94	0.0
	134	-0.77	-2.16	-7.41	8.12	-1.25	0.0
	130	-1.31	-1.84	-12.36	6.98	-4.24	0.0
	127	1.75	1.83	-6.37	-6.91	5.92	0.0
156	137	-4.46	7.88	-10.29	-1.01	-0.65	0.0
	136	3.80	-8.27	8.71	1.04	0.59	0.0
	137	-4.46	7.88	-10.29	-1.01	-0.65	0.0
	136	3.80	-8.27	8.71	1.04	0.59	0.0
	125	-5.22	6.28	-9.14	-0.81	-0.77	0.0
	124	4.55	-6.67	7.56	0.84	0.70	0.0
157	118	-6.29	1.47	-169.00	-0.54	-1.31	0.01
	115	5.25	-1.41	137.85	0.65	1.17	-0.01
	133	-5.98	4.29	65.45	-1.55	-1.36	0.04
	132	4.94	-4.24	-96.60	1.65	1.21	-0.04
	121	-8.36	3.50	-105.27	-1.30	-1.83	0.03
	120	7.32	-3.44	74.12	1.40	1.68	-0.03
164	2	-1.64	2.74e-04	-8.28	0.0	0.0	0.0
	126	-9.00	-5.83e-04	2.17	0.0	0.0	0.0
	1	-0.50	7.28e-05	-1.89	0.0	0.0	0.0
	1	-0.50	7.28e-05	-1.89	0.0	0.0	0.0
	1	-0.50	7.28e-05	-1.89	0.0	0.0	0.0
	1	-0.50	7.28e-05	-1.89	0.0	0.0	0.0
165	124	41.24	5.87e-04	-27.10	0.0	0.0	0.0
	125	-38.39	-7.21e-04	19.02	0.0	0.0	0.0
	1	1.01	-5.12e-05	-2.86	0.0	0.0	0.0
	1	1.01	-5.12e-05	-2.86	0.0	0.0	0.0
	1	1.01	-5.12e-05	-2.86	0.0	0.0	0.0
	1	1.01	-5.12e-05	-2.86	0.0	0.0	0.0
189	2	-0.42	-7.79e-03	-46.24	0.03	-0.68	0.0
	124	-0.06	-0.76	-3.97	2.47	0.02	0.0
	131	-0.10	3.20	-21.23	-10.41	-0.08	0.0
	134	-0.19	-3.20	-12.95	10.43	-0.38	0.0
	2	-0.42	-7.79e-03	-46.24	0.03	-0.68	0.0
	127	-0.04	0.71	-7.77	-2.30	0.08	0.0
190	2	-2.23	-0.01	-75.58	0.13	-2.62	0.0
	13	-0.44	-2.45e-03	-25.60	0.02	-0.53	0.0
	131	1.00	3.75	-35.94	-13.20	1.04	0.0
	134	-2.56	-3.76	-32.16	13.25	-2.87	0.0
	128	-6.57	1.87	-29.47	-6.32	-7.05	0.0
	129	5.01	-1.88	-38.64	6.37	5.21	0.0
195	137	4.18	17.29	-237.60	-2.61	1.75	0.05
	136	-4.08	-17.61	214.92	2.57	-1.16	-0.05
	131	11.07	11.31	-150.56	-4.58	4.06	0.03
	134	-10.97	-11.62	127.88	4.54	-3.46	-0.03
	118	-13.40	5.52	-95.96	4.42	-4.35	0.01
	115	13.50	-5.84	73.28	-4.46	4.95	-0.01



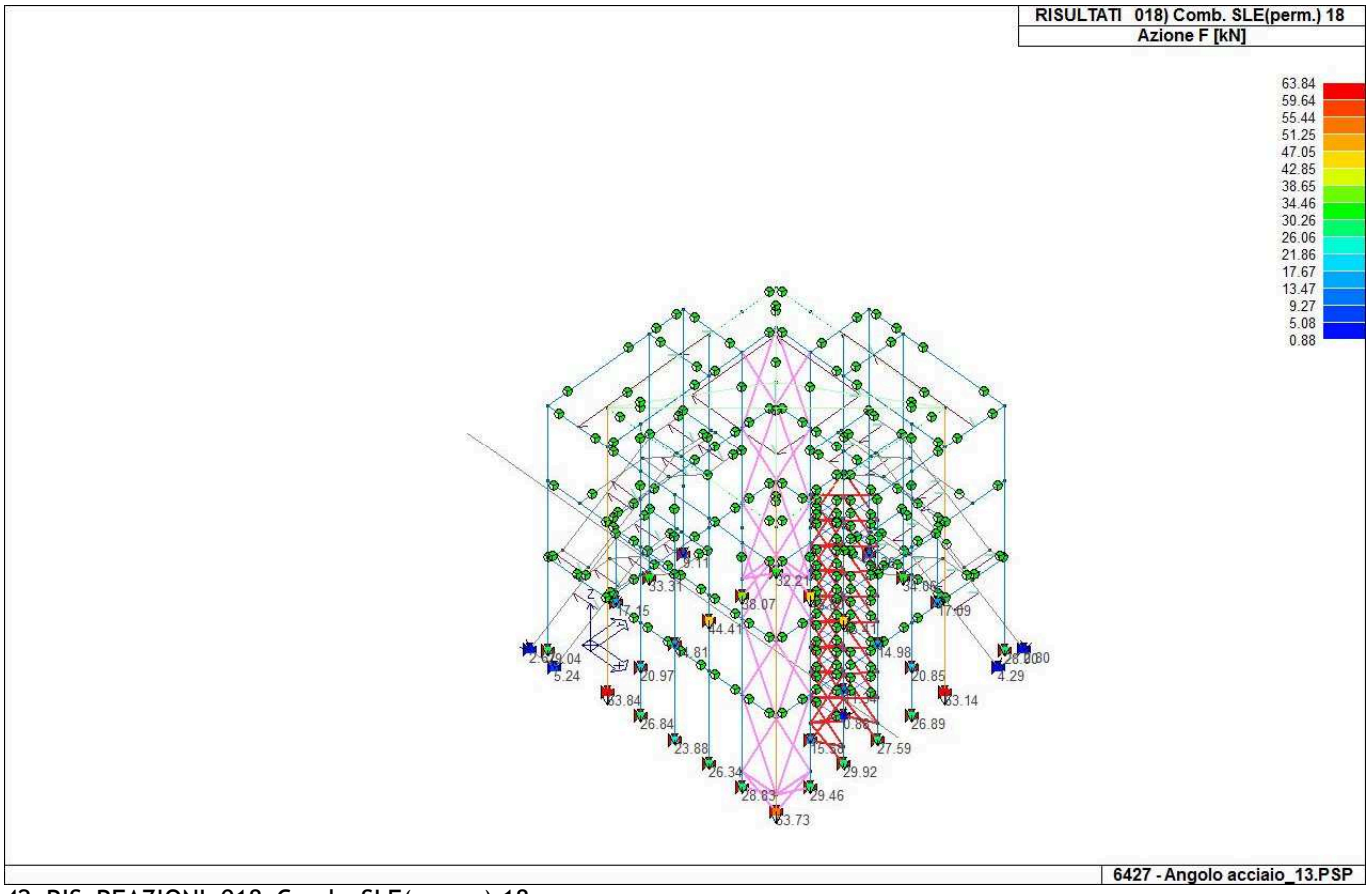
42_RIS_REAZIONI_006_Comb. SLU A1 6



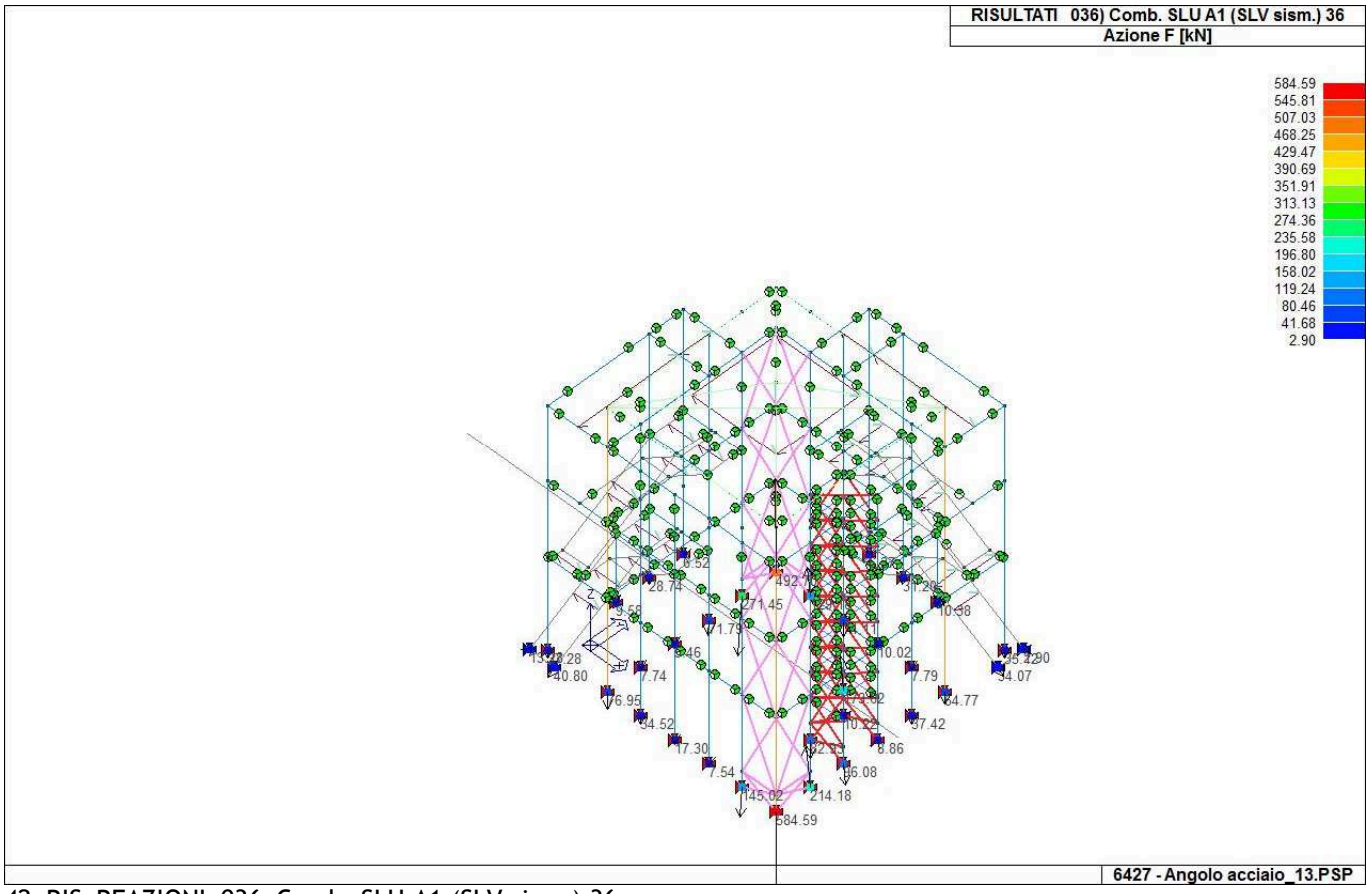
42_RIS_REAZIONI_012_Comb. SLE(rara) 12



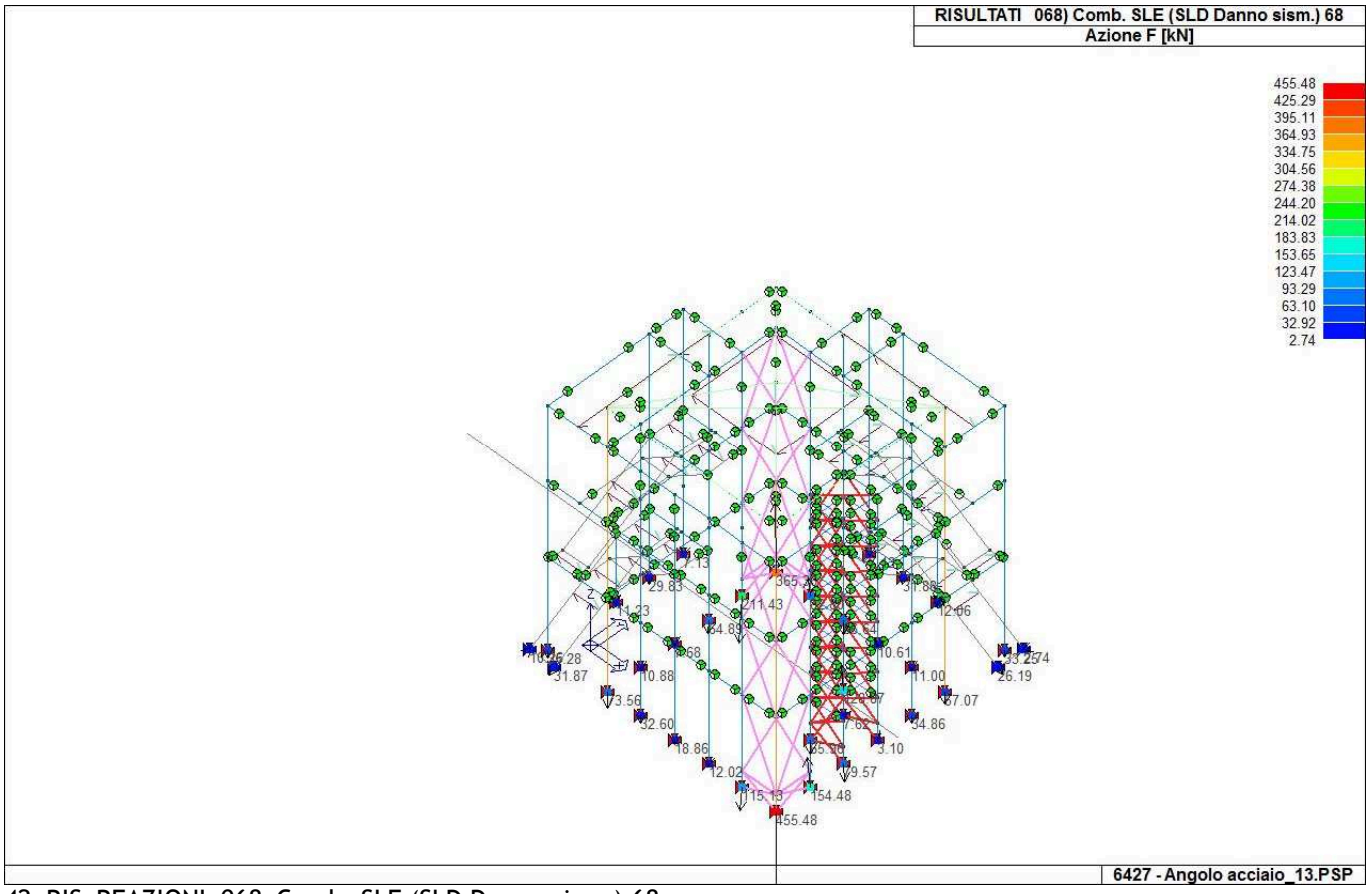
42_RIS_REAZIONI_014_Comb. SLE(freq.) 14



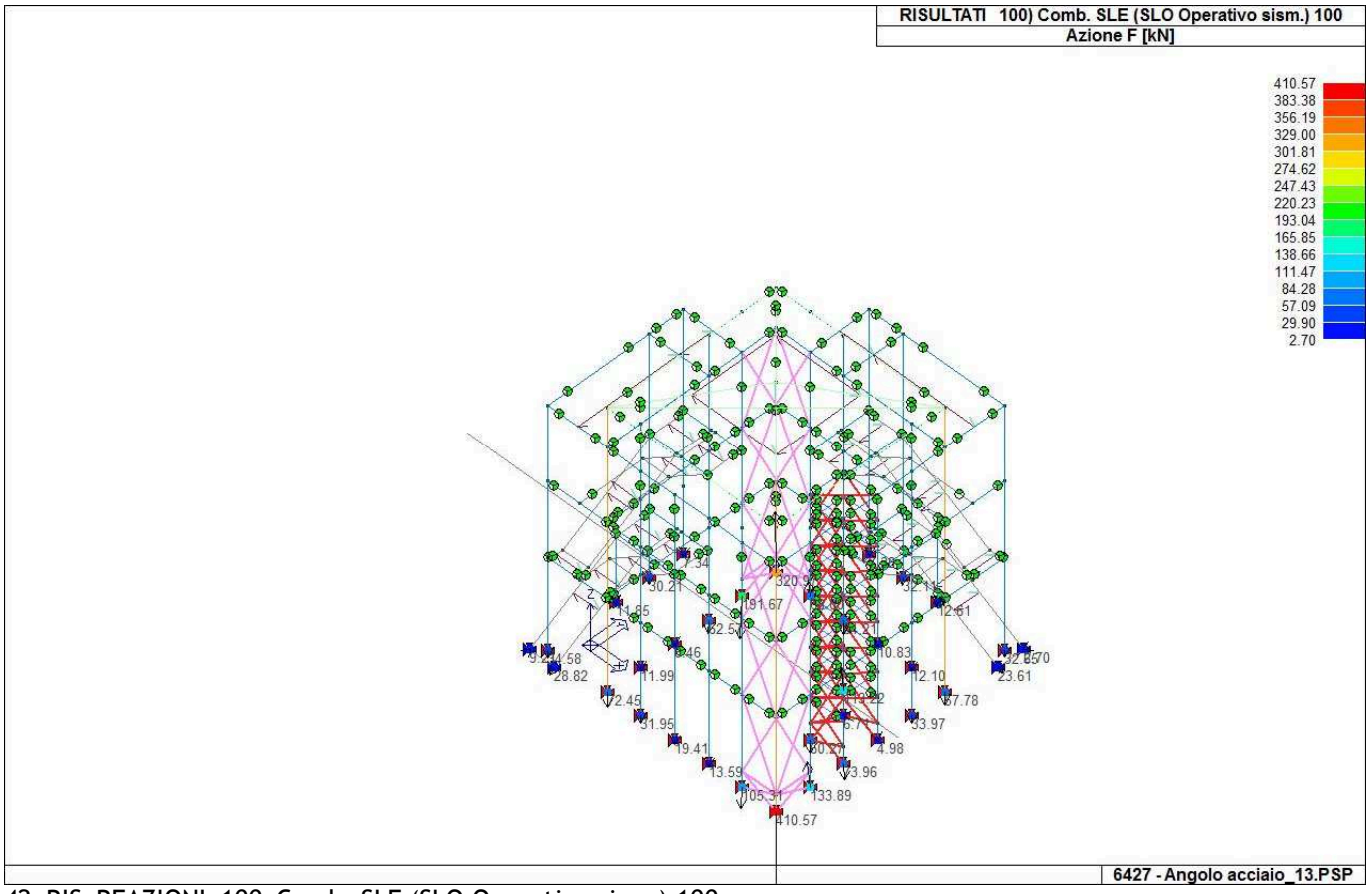
42_RIS_REAZIONI_018_Comb. SLE(perm.) 18



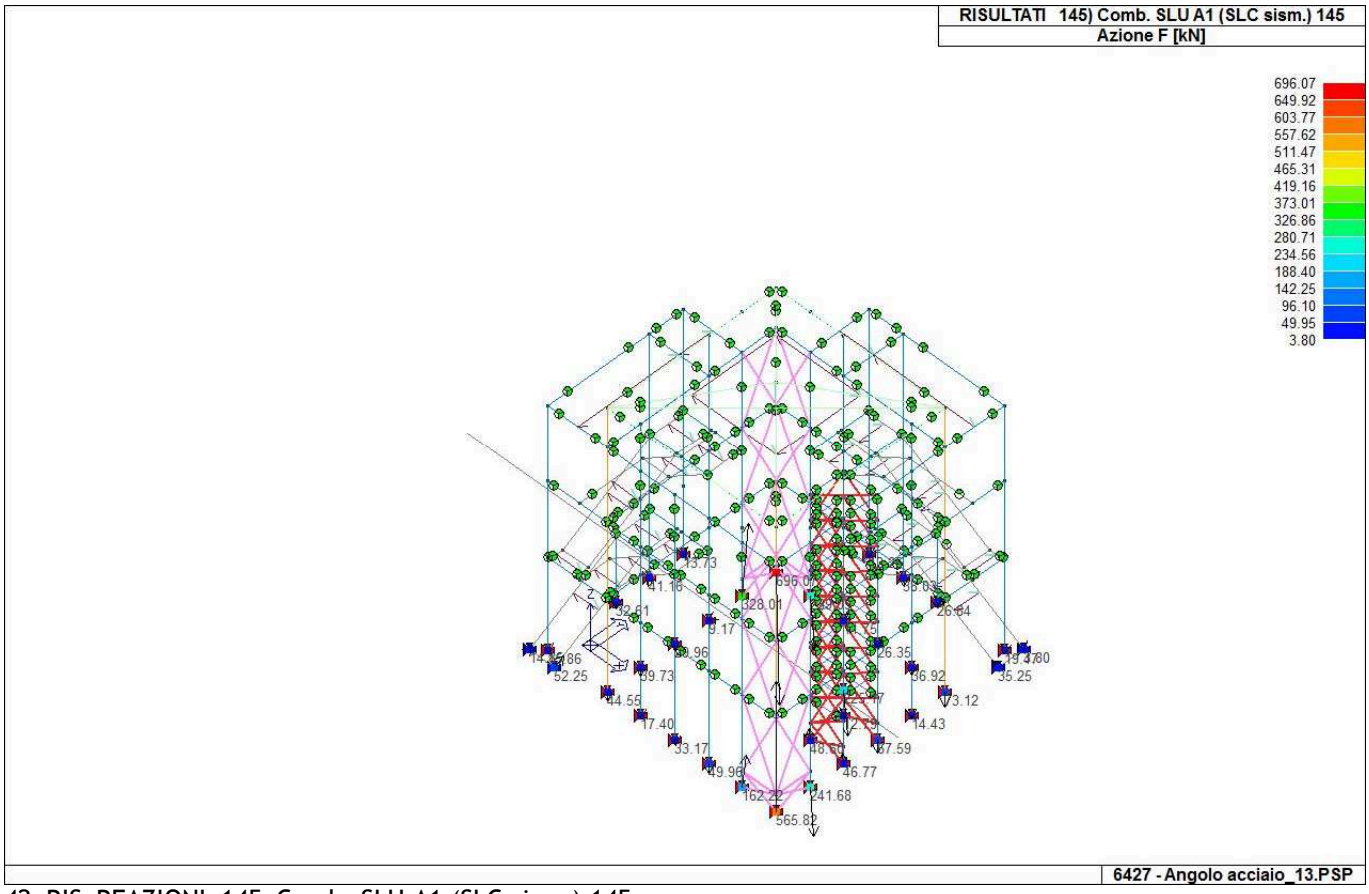
42_RIS_REAZIONI_036_Comb. SLU A1 (SLV sism.) 36



42_RIS_REAZIONI_068_Comb. SLE (SLD Danno sism.) 68



42_RIS_REAZIONI_100_Comb. SLE (SLO Operativo sism.) 100



42_RIS_REAZIONI_145_Comb. SLU A1 (SLC sism.) 145

15 RISULTATI ELEMENTI TIPO TRAVE

15.1 LEGENDA RISULTATI ELEMENTI TIPO TRAVE

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo trave, è possibile in relazione alle tabelle sotto riportate.

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

- tipo **pilastro**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

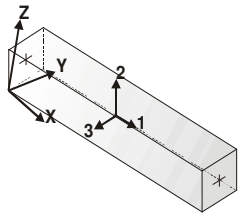
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

Per gli elementi tipo *pilastro* sono riportati in tabella i seguenti valori:

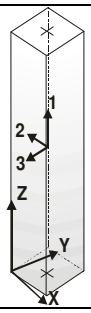
Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / direzione 3 (seconda riga)
Q2/Q3	carico totale in direzione 2 (prima riga) / direzione 3 (seconda riga)
Pos.	ascissa del punto iniziale e finale dell'elemento
N, V2, ecc..	sei componenti di sollecitazione al piede ed in sommità dell'elemento

Per gli elementi tipo *trave in elevazione* sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri.

Per gli elementi tipo *trave in fondazione* (trave f.) sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri e la massima pressione sul terreno.



orientamento elementi 2D non verticali



orientamento elementi 2D verticali

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
1	3	0.0	0.0	0.0	0.0	0.0	3.40	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.56	0.0	0.0	0.0	0.0	0.0
1	6	0.0	0.0	0.0	0.0	0.0	4.42	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	4.62	0.0	0.0	0.0	0.0	0.0
1	9	0.0	0.0	0.0	0.0	0.0	3.40	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.55	0.0	0.0	0.0	0.0	0.0
1	12	0.0	0.0	0.0	0.0	0.0	3.40	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.56	0.0	0.0	0.0	0.0	0.0
1	13	0.0	0.0	0.0	0.0	0.0	3.40	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.55	0.0	0.0	0.0	0.0	0.0
1	16	0.0	0.0	0.0	0.0	0.0	3.40	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.55	0.0	0.0	0.0	0.0	0.0
1	17	0.0	0.0	0.0	0.0	0.0	3.40	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.55	0.0	0.0	0.0	0.0	0.0
1	18	0.0	0.0	0.0	0.0	0.0	3.40	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.55	0.0	0.0	0.0	0.0	0.0
1	20	0.0	0.0	0.0	0.0	0.0	3.45	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.61	0.0	0.0	0.0	0.0	0.0
1	21	0.0	0.0	0.0	0.0	0.0	3.35	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.50	0.0	0.0	0.0	0.0	0.0
1	52	0.0	0.0	0.0	0.0	0.0	3.45	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.60	0.0	0.0	0.0	0.0	0.0
1	53	0.0	0.0	0.0	0.0	0.0	3.35	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.51	0.0	0.0	0.0	0.0	0.0
1	84	0.0	0.0	0.0	0.0	0.0	3.44	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.60	0.0	0.0	0.0	0.0	0.0
1	85	0.0	0.0	0.0	0.0	0.0	3.36	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.51	0.0	0.0	0.0	0.0	0.0
1	116	0.0	0.0	0.0	0.0	0.0	3.46	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.61	0.0	0.0	0.0	0.0	0.0
1	117	0.0	0.0	0.0	0.0	0.0	3.34	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	120.0	3.49	0.0	0.0	0.0	0.0	0.0
98	1	-0.08	0.13	-1.84e-04	0.0	0.0	-19.21	-1.94e-03	-0.06	1.69e-04	0.13	-0.08
		-0.09	-0.10	1.60e-04	0.0	360.0	-16.36	-1.94e-03	-0.06	1.69e-04	-0.10	-0.09
98	2	-0.11	0.27	-2.44e-04	0.0	0.0	-14.31	-0.01	-0.14	8.75e-04	0.27	-0.11
		-0.15	-0.23	3.36e-04	0.0	360.0	-11.45	-0.01	-0.14	8.75e-04	-0.23	-0.15
98	3	-0.06	0.11	-1.34e-04	0.0	0.0	-11.73	-3.84e-03	-0.06	3.69e-04	0.11	-0.06
		-0.08	-0.09	1.41e-04	0.0	360.0	-9.54	-3.84e-03	-0.06	3.69e-04	-0.09	-0.08
98	4	-0.09	0.26	-1.94e-04	0.0	0.0	-6.82	-0.01	-0.13	1.08e-03	0.26	-0.09
		-0.14	-0.22	3.17e-04	0.0	360.0	-4.63	-0.01	-0.13	1.08e-03	-0.22	-0.14
98	6	-0.12	0.27	-2.57e-04	0.0	0.0	-14.71	-0.01	-0.14	9.77e-04	0.27	-0.12
		-0.16	-0.23	3.33e-04	0.0	360.0	-11.86	-0.01	-0.14	9.77e-04	-0.23	-0.16
98	9	-0.06	0.09	-1.29e-04	0.0	0.0	-13.78	-1.76e-03	-0.05	1.38e-04	0.09	-0.06
		-0.07	-0.07	1.16e-04	0.0	360.0	-11.59	-1.76e-03	-0.05	1.38e-04	-0.07	-0.07
98	10	-0.08	0.19	-1.68e-04	0.0	0.0	-10.51	-7.62e-03	-0.10	6.10e-04	0.19	-0.08
		-0.11	-0.16	2.33e-04	0.0	360.0	-8.31	-7.62e-03	-0.10	6.10e-04	-0.16	-0.11
98	12	-0.08	0.19	-1.78e-04	0.0	0.0	-10.78	-7.52e-03	-0.09	6.77e-04	0.19	-0.08
		-0.11	-0.16	2.31e-04	0.0	360.0	-8.58	-7.52e-03	-0.09	6.77e-04	-0.16	-0.11
98	13	-0.04	0.05	-9.73e-05	0.0	0.0	-14.85	7.35e-04	-0.03	-1.76e-04	0.05	-0.05
		-0.05	-0.04	6.65e-05	0.0	360.0	-12.66	7.35e-04	-0.03	-1.76e-04	-0.04	-0.04
98	14	-0.06	0.10	-1.17e-04	0.0	0.0	-13.21	-2.20e-03	-0.05	6.01e-05	0.10	-0.06
		-0.06	-0.09	1.25e-04	0.0	360.0	-11.02	-2.20e-03	-0.05	6.01e-05	-0.09	-0.06
98	17	-0.04	0.05	-9.73e-05	0.0	0.0	-14.85	7.35e-04	-0.03	-1.76e-04	0.05	-0.05
		-0.05	-0.04	6.65e-05	0.0	360.0	-12.66	7.35e-04	-0.03	-1.76e-04	-0.04	-0.04
98	18	-0.05	0.08	-1.09e-04	0.0	0.0	-13.87	-1.02e-03	-0.04	-3.42e-05	0.08	-0.05
		-0.06	-0.07	1.02e-04	0.0	360.0	-11.68	-1.02e-03	-0.04	-3.42e-05	-0.07	-0.06
98	19	2.17	1.43	-3.25e-03	0.0	0.0	-148.55	0.62	-0.76	0.01	1.43	1.09
		1.09	-1.32	1.57e-03	0.0	360.0	-146.36	0.62	-0.76	0.01	-1.32	2.17
98	22	-1.19	1.18	3.04e-03	0.0	0.0	120.81	-0.62	0.68	-0.01	-1.26	-1.19
		-2.29	-1.26	-1.37e-03	0.0	360.0	123.01	-0.62	0.68	-0.01	1.18	-2.29
98	35	2.04	2.77	-2.53e-03	0.0	0.0	-166.17	0.49	1.60	-0.01	-2.99	0.95
		0.95	-2.99	-3.40e-03	0.0	360.0	-163.98	0.49	1.60	-0.01	2.77	2.04
98	38	-1.05	3.15	2.31e-03	0.0	0.0	138.43	-0.50	-1.68	0.01	3.15	-1.05
		-2.15	-2.90	3.60e-03	0.0	360.0	140.63	-0.50	-1.68	0.01	-2.90	-2.15
98	40	-0.53	4.70	9.03e-04	0.0	0.0	137.13	-0.21	-2.51	0.02	4.70	-0.53
		-1.16	-4.33	5.33e-03	0.0	360.0	139.32	-0.21	-2.51	0.02	-4.33	-1.16
98	41	1.05	4.20	-1.12e-03	0.0	0.0	-164.87	0.20	2.43	-0.02	-4.54	0.43
		0.43	-4.54	-5.13e-03	0.0	360.0	-162.68	0.20	2.43	-0.02	4.20	1.05
98	51	1.68	1.09	-2.43e-03	0.0	0.0	-113.94	0.48	-0.58	7.97e-03	1.09	0.85
		0.85	-1.00	1.20e-03	0.0	360.0	-111.74	0.48	-0.58	7.97e-03	-1.00	1.68
98	54	-0.95	0.86	2.21e-03	0.0	0.0	86.20	-0.48	0.50	-8.04e-03	-0.92	-0.95
		-1.79	-0.92	-1.00e-03	0.0	360.0	88.39	-0.48	0.50	-8.04e-03	0.86	-1.79
98	67	1.55	2.08	-1.89e-03	0.0	0.0	-128.02	0.38	1.20	-7.99e-03	-2.24	0.72

		0.72	-2.24	-2.55e-03	0.0	360.0	-125.83	0.38	1.20	-7.99e-03	2.08	1.55
98	70	-0.83	2.41	1.67e-03	0.0	0.0	100.28	-0.38	-1.28	7.92e-03	2.41	-0.83
		-1.66	-2.21	2.75e-03	0.0	360.0	102.48	-0.38	-1.28	7.92e-03	-2.21	-1.66
98	72	-0.41	3.57	6.32e-04	0.0	0.0	99.77	-0.15	-1.91	0.01	3.57	-0.41
		-0.88	-3.29	4.06e-03	0.0	360.0	101.97	-0.15	-1.91	0.01	-3.29	-0.88
98	73	0.77	3.15	-8.51e-04	0.0	0.0	-127.51	0.15	1.82	-0.01	-3.41	0.31
		0.31	-3.41	-3.85e-03	0.0	360.0	-125.32	0.15	1.82	-0.01	3.15	0.77
98	83	1.49	0.97	-2.16e-03	0.0	0.0	-102.55	0.43	-0.52	7.06e-03	0.97	0.75
		0.75	-0.89	1.08e-03	0.0	360.0	-100.35	0.43	-0.52	7.06e-03	-0.89	1.49
98	86	-0.86	0.76	1.94e-03	0.0	0.0	74.81	-0.43	0.44	-7.13e-03	-0.81	-0.86
		-1.60	-0.81	-8.76e-04	0.0	360.0	77.00	-0.43	0.44	-7.13e-03	0.76	-1.60
98	99	1.37	1.84	-1.69e-03	0.0	0.0	-115.14	0.34	1.06	-7.10e-03	-1.98	0.64
		0.64	-1.98	-2.25e-03	0.0	360.0	-112.95	0.34	1.06	-7.10e-03	1.84	1.37
98	102	-0.74	2.15	1.47e-03	0.0	0.0	87.41	-0.34	-1.14	7.03e-03	2.15	-0.74
		-1.48	-1.97	2.45e-03	0.0	360.0	89.60	-0.34	-1.14	7.03e-03	-1.97	-1.48
98	104	-0.37	3.18	5.47e-04	0.0	0.0	87.00	-0.14	-1.70	0.01	3.18	-0.37
		-0.79	-2.93	3.61e-03	0.0	360.0	89.19	-0.14	-1.70	0.01	-2.93	-0.79
98	105	0.68	2.79	-7.65e-04	0.0	0.0	-114.73	0.13	1.61	-0.01	-3.02	0.27
		0.27	-3.02	-3.41e-03	0.0	360.0	-112.54	0.13	1.61	-0.01	2.79	0.68
98	115	2.59	1.70	-3.88e-03	0.0	0.0	-175.57	0.73	-0.91	0.01	1.70	1.31
		1.31	-1.57	1.87e-03	0.0	360.0	-173.38	0.73	-0.91	0.01	-1.57	2.59
98	118	-1.41	1.43	3.66e-03	0.0	0.0	147.84	-0.73	0.82	-0.01	-1.54	-1.41
		-2.70	-1.54	-1.66e-03	0.0	360.0	150.03	-0.73	0.82	-0.01	1.43	-2.70
98	131	2.45	3.35	-3.01e-03	0.0	0.0	-197.19	0.59	1.94	-0.01	-3.63	1.14
		1.14	-3.63	-4.13e-03	0.0	360.0	-194.99	0.59	1.94	-0.01	3.35	2.45
98	134	-1.25	3.79	2.79e-03	0.0	0.0	169.45	-0.59	-2.02	0.01	3.79	-1.25
		-2.56	-3.49	4.33e-03	0.0	360.0	171.64	-0.59	-2.02	0.01	-3.49	-2.56
98	136	-0.64	5.65	1.11e-03	0.0	0.0	167.62	-0.25	-3.02	0.02	5.65	-0.64
		-1.39	-5.21	6.41e-03	0.0	360.0	169.81	-0.25	-3.02	0.02	-5.21	-1.39
98	137	1.28	5.07	-1.33e-03	0.0	0.0	-195.36	0.25	2.93	-0.02	-5.49	0.53
		0.53	-5.49	-6.21e-03	0.0	360.0	-193.17	0.25	2.93	-0.02	5.07	1.28
99	1	0.0	0.13	-2.65e-04	0.0	0.0	-9.23	0.03	-0.04	0.0	0.13	-0.09
		-0.09	0.0	2.52e-04	0.0	360.0	-6.38	0.03	-0.04	0.0	0.0	0.0
99	2	0.0	0.24	-3.73e-04	0.0	0.0	-7.55	0.04	-0.07	0.0	0.24	-0.15
		-0.15	0.0	4.83e-04	0.0	360.0	-4.70	0.04	-0.07	0.0	0.0	0.0
99	4	0.0	0.22	-3.09e-04	0.0	0.0	-3.74	0.04	-0.06	0.0	0.22	-0.14
		-0.14	0.0	4.51e-04	0.0	360.0	-1.55	0.04	-0.06	0.0	0.0	0.0
99	6	0.0	0.24	-3.91e-04	0.0	0.0	-7.65	0.04	-0.07	0.0	0.24	-0.16
		-0.16	0.0	4.81e-04	0.0	360.0	-4.80	0.04	-0.07	0.0	0.0	0.0
99	7	0.0	0.14	-2.51e-04	0.0	0.0	-5.02	0.03	-0.04	0.0	0.14	-0.10
		-0.10	0.0	2.87e-04	0.0	360.0	-2.82	0.03	-0.04	0.0	0.0	0.0
99	9	0.0	0.09	-1.87e-04	0.0	0.0	-6.49	0.02	-0.03	0.0	0.09	-0.07
		-0.07	0.0	1.84e-04	0.0	360.0	-4.30	0.02	-0.03	0.0	0.0	0.0
99	10	0.0	0.17	-2.59e-04	0.0	0.0	-5.38	0.03	-0.05	0.0	0.17	-0.11
		-0.11	0.0	3.38e-04	0.0	360.0	-3.18	0.03	-0.05	0.0	0.0	0.0
99	11	0.0	0.12	-2.20e-04	0.0	0.0	-6.22	0.02	-0.03	0.0	0.12	-0.08
		-0.08	0.0	2.29e-04	0.0	360.0	-4.03	0.02	-0.03	0.0	0.0	0.0
99	12	0.0	0.17	-2.71e-04	0.0	0.0	-5.44	0.03	-0.05	0.0	0.17	-0.11
		-0.11	0.0	3.37e-04	0.0	360.0	-3.25	0.03	-0.05	0.0	0.0	0.0
99	13	0.0	0.06	-1.37e-04	0.0	0.0	-6.90	0.01	-0.02	0.0	0.06	-0.04
		-0.04	0.0	1.16e-04	0.0	360.0	-4.71	0.01	-0.02	0.0	0.0	0.0
99	14	0.0	0.10	-1.73e-04	0.0	0.0	-6.34	0.02	-0.03	0.0	0.10	-0.06
		-0.06	0.0	1.93e-04	0.0	360.0	-4.15	0.02	-0.03	0.0	0.0	0.0
99	15	0.0	0.07	-1.53e-04	0.0	0.0	-6.76	0.01	-0.02	0.0	0.07	-0.05
		-0.05	0.0	1.39e-04	0.0	360.0	-4.57	0.01	-0.02	0.0	0.0	0.0
99	17	0.0	0.06	-1.37e-04	0.0	0.0	-6.90	0.01	-0.02	0.0	0.06	-0.04
		-0.04	0.0	1.16e-04	0.0	360.0	-4.71	0.01	-0.02	0.0	0.0	0.0
99	18	0.0	0.09	-1.58e-04	0.0	0.0	-6.56	0.02	-0.02	0.0	0.09	-0.06
		-0.06	0.0	1.62e-04	0.0	360.0	-4.37	0.02	-0.02	0.0	0.0	0.0
99	19	2.18	0.95	-2.86e-04	0.0	0.0	-47.87	-0.60	-0.26	0.0	0.95	2.18
		0.0	0.0	1.94e-03	0.0	360.0	-45.67	-0.60	-0.26	0.0	0.0	0.0
99	22	0.0	0.0	1.34e-04	0.0	0.0	34.74	0.64	0.22	0.0	-0.78	-2.29
		-2.29	-0.78	-1.62e-03	0.0	360.0	36.93	0.64	0.22	0.0	0.0	0.0
99	35	2.04	0.0	6.62e-03	0.0	0.0	-51.48	-0.57	0.51	0.0	-1.82	2.04
		0.0	-1.82	-3.97e-03	0.0	360.0	-49.28	-0.57	0.51	0.0	0.0	0.0
99	38	0.0	2.00	-6.93e-03	0.0	0.0	38.35	0.60	-0.55	0.0	2.00	-2.15
		-2.15	0.0	4.29e-03	0.0	360.0	40.54	0.60	-0.55	0.0	0.0	0.0
99	40	0.0	2.97	-8.18e-03	0.0	0.0	20.82	0.32	-0.83	0.0	2.97	-1.16
		-1.16	0.0	6.36e-03	0.0	360.0	23.02	0.32	-0.83	0.0	0.0	0.0
99	41	1.05	0.0	7.87e-03	0.0	0.0	-33.95	-0.29	0.78	0.0	-2.80	1.05
		0.0	-2.80	-6.04e-03	0.0	360.0	-31.76	-0.29	0.78	0.0	0.0	0.0
99	51	1.68	0.73	-2.28e-04	0.0	0.0	-37.20	-0.47	-0.20	0.0	0.73	1.68
		0.0	0.0	1.50e-03	0.0	360.0	-35.00	-0.47	-0.20	0.0	0.0	0.0
99	54	0.0	0.0	-1.09e-04	0.0	0.0	24.07	0.50	0.16	0.0	-0.56	-1.79
		-1.79	-0.56	-1.18e-03	0.0	360.0	26.26	0.50	0.16	0.0	0.0	0.0

99	67	1.55	0.0	4.87e-03	0.0	0.0	-40.22	-0.43	0.38	0.0	-1.36	1.55
		0.0	-1.36	-2.96e-03	0.0	360.0	-38.02	-0.43	0.38	0.0	0.0	0.0
99	70	0.0	1.53	-5.19e-03	0.0	0.0	27.09	0.46	-0.43	0.0	1.53	-1.66
		-1.66	0.0	3.29e-03	0.0	360.0	29.28	0.46	-0.43	0.0	0.0	0.0
99	72	0.0	2.27	-6.11e-03	0.0	0.0	14.01	0.25	-0.63	0.0	2.27	-0.88
		-0.88	0.0	4.85e-03	0.0	360.0	16.20	0.25	-0.63	0.0	0.0	0.0
99	73	0.77	0.0	5.80e-03	0.0	0.0	-27.13	-0.21	0.58	0.0	-2.10	0.77
		0.0	-2.10	-4.52e-03	0.0	360.0	-24.94	-0.21	0.58	0.0	0.0	0.0
99	83	1.49	0.66	-2.13e-04	0.0	0.0	-33.70	-0.41	-0.18	0.0	0.66	1.49
		0.0	0.0	1.35e-03	0.0	360.0	-31.51	-0.41	-0.18	0.0	0.0	0.0
99	86	0.0	0.0	-1.17e-04	0.0	0.0	20.58	0.44	0.13	0.0	-0.49	-1.60
		-1.60	-0.49	-1.02e-03	0.0	360.0	22.77	0.44	0.13	0.0	0.0	0.0
99	99	1.37	0.0	4.30e-03	0.0	0.0	-36.42	-0.38	0.33	0.0	-1.20	1.37
		0.0	-1.20	-2.61e-03	0.0	360.0	-34.23	-0.38	0.33	0.0	0.0	0.0
99	102	0.0	1.37	-4.62e-03	0.0	0.0	23.29	0.41	-0.38	0.0	1.37	-1.48
		-1.48	0.0	2.94e-03	0.0	360.0	25.49	0.41	-0.38	0.0	0.0	0.0
99	104	0.0	2.02	-5.43e-03	0.0	0.0	11.70	0.22	-0.56	0.0	2.02	-0.79
		-0.79	0.0	4.33e-03	0.0	360.0	13.89	0.22	-0.56	0.0	0.0	0.0
99	105	0.68	0.0	5.12e-03	0.0	0.0	-24.82	-0.19	0.51	0.0	-1.85	0.68
		0.0	-1.85	-4.00e-03	0.0	360.0	-22.63	-0.19	0.51	0.0	0.0	0.0
99	115	2.59	1.12	-3.35e-04	0.0	0.0	-56.12	-0.72	-0.31	0.0	1.12	2.59
		0.0	0.0	2.31e-03	0.0	360.0	-53.93	-0.72	-0.31	0.0	0.0	0.0
99	118	0.0	0.0	1.77e-04	0.0	0.0	43.00	0.75	0.26	0.0	-0.95	-2.70
		-2.70	-0.95	-1.98e-03	0.0	360.0	45.19	0.75	0.26	0.0	0.0	0.0
99	131	2.45	0.0	7.96e-03	0.0	0.0	-60.58	-0.68	0.62	0.0	-2.22	2.45
		0.0	-2.22	-4.82e-03	0.0	360.0	-58.39	-0.68	0.62	0.0	0.0	0.0
99	134	0.0	2.39	-8.28e-03	0.0	0.0	47.45	0.71	-0.66	0.0	2.39	-2.56
		-2.56	0.0	5.15e-03	0.0	360.0	49.65	0.71	-0.66	0.0	0.0	0.0
99	136	0.0	3.57	-9.79e-03	0.0	0.0	26.53	0.39	-0.99	0.0	3.57	-1.39
		-1.39	0.0	7.64e-03	0.0	360.0	28.72	0.39	-0.99	0.0	0.0	0.0
99	137	1.28	0.0	9.47e-03	0.0	0.0	-39.66	-0.36	0.94	0.0	-3.40	1.28
		0.0	-3.40	-7.32e-03	0.0	360.0	-37.46	-0.36	0.94	0.0	0.0	0.0
100	3	0.29	0.15	2.17e-04	0.0	0.0	-22.14	0.07	0.01	0.05	0.09	0.04
		0.04	0.09	2.61e-04	0.0	360.0	-19.70	0.07	0.01	0.05	0.15	0.29
100	6	0.78	0.48	4.77e-04	0.0	0.0	-32.94	0.22	0.11	0.12	0.09	-3.35e-03
		-3.35e-03	0.09	5.28e-04	0.0	360.0	-29.76	0.22	0.11	0.12	0.48	0.78
100	8	0.78	0.49	4.46e-04	0.0	0.0	-25.51	0.23	0.13	0.13	0.03	-0.06
		-0.06	0.03	4.89e-04	0.0	360.0	-23.07	0.23	0.13	0.13	0.49	0.78
100	9	0.20	0.11	1.82e-04	0.0	0.0	-22.12	0.03	-9.32e-03	0.03	0.11	0.07
		0.07	0.08	2.16e-04	0.0	360.0	-19.68	0.03	-9.32e-03	0.03	0.08	0.20
100	12	0.52	0.31	3.34e-04	0.0	0.0	-24.37	0.14	0.07	0.08	0.07	7.13e-03
		7.13e-03	0.07	3.68e-04	0.0	360.0	-21.92	0.14	0.07	0.08	0.31	0.52
100	13	0.12	0.14	1.14e-04	0.0	0.0	-20.93	-0.03	-0.05	-0.01	0.14	0.12
		9.27e-04	-0.05	1.25e-04	0.0	360.0	-18.49	-0.03	-0.05	-0.01	-0.05	9.27e-04
100	14	0.14	0.12	1.91e-04	0.0	0.0	-21.97	0.01	-0.02	7.23e-03	0.12	0.09
		0.09	0.05	1.90e-04	0.0	360.0	-19.53	0.01	-0.02	7.23e-03	0.05	0.14
100	16	0.15	0.12	1.83e-04	0.0	0.0	-21.95	0.02	-0.02	0.01	0.12	0.09
		0.09	0.06	1.94e-04	0.0	360.0	-19.51	0.02	-0.02	0.01	0.06	0.15
100	17	0.12	0.14	1.14e-04	0.0	0.0	-20.93	-0.03	-0.05	-0.01	0.14	0.12
		9.27e-04	-0.05	1.25e-04	0.0	360.0	-18.49	-0.03	-0.05	-0.01	-0.05	9.27e-04
100	18	0.10	0.12	1.60e-04	0.0	0.0	-21.56	-5.51e-03	-0.03	-9.73e-04	0.12	0.10
		0.08	0.01	1.64e-04	0.0	360.0	-19.11	-5.51e-03	-0.03	-9.73e-04	0.01	0.08
100	32	7.76	6.05	5.11e-03	0.0	0.0	-73.82	2.57	1.99	1.71	-0.69	-1.50
		-1.50	-0.69	5.15e-03	0.0	360.0	-71.38	2.57	1.99	1.71	6.05	7.76
100	33	1.71	0.94	-4.79e-03	0.0	0.0	30.71	-2.58	-2.05	-1.71	0.94	1.71
		-7.59	-6.03	-4.83e-03	0.0	360.0	33.15	-2.58	-2.05	-1.71	-6.03	-7.59
100	43	1.97	-0.86	-3.42e-03	0.0	0.0	17.98	-3.02	-0.90	-1.34	-0.86	1.97
		-8.89	-2.66	-2.72e-03	0.0	360.0	20.42	-3.02	-0.90	-1.34	-2.66	-8.89
100	46	9.06	2.68	3.74e-03	0.0	0.0	-61.09	3.01	0.84	1.34	1.11	-1.77
		-1.77	1.11	3.05e-03	0.0	360.0	-58.65	3.01	0.84	1.34	2.68	9.06
100	48	8.93	5.43	5.81e-03	0.0	0.0	-82.66	2.96	1.75	2.10	0.54	-1.72
		-1.72	0.54	5.53e-03	0.0	360.0	-80.22	2.96	1.75	2.10	5.43	8.93
100	49	1.92	-0.29	-5.49e-03	0.0	0.0	39.54	-2.97	-1.82	-2.10	-0.29	1.92
		-8.77	-5.40	-5.20e-03	0.0	360.0	41.99	-2.97	-1.82	-2.10	-5.40	-8.77
100	64	5.91	4.60	3.91e-03	0.0	0.0	-61.13	1.95	1.50	1.30	-0.49	-1.12
		-1.12	-0.49	3.92e-03	0.0	360.0	-58.68	1.95	1.50	1.30	4.60	5.91
100	65	1.32	0.74	-3.59e-03	0.0	0.0	18.01	-1.96	-1.56	-1.30	0.74	1.32
		-5.75	-4.57	-3.59e-03	0.0	360.0	20.45	-1.96	-1.56	-1.30	-4.57	-5.75
100	75	1.52	-0.63	-2.55e-03	0.0	0.0	8.39	-2.28	-0.70	-1.02	-0.63	1.52
		-6.70	-2.03	-2.03e-03	0.0	360.0	10.84	-2.28	-0.70	-1.02	-2.03	-6.70
100	78	6.87	2.06	2.87e-03	0.0	0.0	-51.51	2.27	0.63	1.02	0.88	-1.31
		-1.31	0.88	2.36e-03	0.0	360.0	-49.07	2.27	0.63	1.02	2.06	6.87
100	80	6.80	4.14	4.44e-03	0.0	0.0	-67.85	2.24	1.33	1.59	0.45	-1.28
		-1.28	0.45	4.21e-03	0.0	360.0	-65.41	2.24	1.33	1.59	4.14	6.80
100	81	1.49	-0.20	-4.12e-03	0.0	0.0	24.74	-2.25	-1.39	-1.59	-0.20	1.49

		-6.63	-4.11	-3.88e-03	0.0	360.0	27.18	-2.25	-1.39	-1.59	-4.11	-6.63
100	96	5.26	4.08	3.49e-03	0.0	0.0	-56.70	1.73	1.33	1.15	-0.42	-0.98
		-0.98	-0.42	3.49e-03	0.0	360.0	-54.25	1.73	1.33	1.15	4.08	5.26
100	97	1.19	0.67	-3.17e-03	0.0	0.0	13.58	-1.74	-1.39	-1.15	0.67	1.19
		-5.09	-4.06	-3.16e-03	0.0	360.0	16.03	-1.74	-1.39	-1.15	-4.06	-5.09
100	107	1.36	-0.55	-2.25e-03	0.0	0.0	5.05	-2.03	-0.62	-0.91	-0.55	1.36
		-5.94	-1.81	-1.79e-03	0.0	360.0	7.49	-2.03	-0.62	-0.91	-1.81	-5.94
100	110	6.11	1.83	2.57e-03	0.0	0.0	-48.16	2.02	0.56	0.90	0.80	-1.15
		-1.15	0.80	2.12e-03	0.0	360.0	-45.72	2.02	0.56	0.90	1.83	6.11
100	112	6.05	3.68	3.96e-03	0.0	0.0	-62.68	1.99	1.18	1.41	0.41	-1.13
		-1.13	0.41	3.76e-03	0.0	360.0	-60.23	1.99	1.18	1.41	3.68	6.05
100	113	1.33	-0.16	-3.64e-03	0.0	0.0	19.56	-2.00	-1.24	-1.42	-0.16	1.33
		-5.88	-3.65	-3.43e-03	0.0	360.0	22.01	-2.00	-1.24	-1.42	-3.65	-5.88
100	128	9.27	7.18	6.12e-03	0.0	0.0	-84.74	3.08	2.36	2.06	-0.83	-1.81
		-1.81	-0.83	6.15e-03	0.0	360.0	-82.30	3.08	2.36	2.06	7.18	9.27
100	129	2.02	1.08	-5.80e-03	0.0	0.0	41.63	-3.09	-2.43	-2.06	1.08	2.02
		-9.10	-7.16	-5.82e-03	0.0	360.0	44.07	-3.09	-2.43	-2.06	-7.16	-9.10
100	139	2.34	-1.04	-4.16e-03	0.0	0.0	26.24	-3.62	-1.07	-1.62	-1.04	2.34
		-10.70	-3.19	-3.32e-03	0.0	360.0	28.69	-3.62	-1.07	-1.62	-3.19	-10.70
100	142	10.87	3.22	4.48e-03	0.0	0.0	-69.36	3.61	1.01	1.62	1.29	-2.14
		-2.14	1.29	3.64e-03	0.0	360.0	-66.92	3.61	1.01	1.62	3.22	10.87
100	144	10.71	6.48	6.98e-03	0.0	0.0	-95.42	3.55	2.10	2.53	0.62	-2.08
		-2.08	0.62	6.63e-03	0.0	360.0	-92.98	3.55	2.10	2.53	6.48	10.71
100	145	2.29	-0.37	-6.66e-03	0.0	0.0	52.31	-3.56	-2.16	-2.53	-0.37	2.29
		-10.54	-6.46	-6.30e-03	0.0	360.0	54.75	-3.56	-2.16	-2.53	-6.46	-10.54
101	1	-0.12	0.12	-3.28e-06	0.0	0.0	-40.16	9.54e-03	0.30	1.54e-04	-0.13	-0.12
		-0.12	-0.13	-3.58e-06	0.0	80.0	-39.53	9.54e-03	0.30	1.54e-04	0.12	-0.12
101	2	-0.15	0.19	-4.01e-06	0.0	0.0	-30.80	9.04e-03	0.33	4.90e-04	-0.07	-0.15
		-0.15	-0.07	1.52e-06	0.0	80.0	-30.16	9.04e-03	0.33	4.90e-04	0.19	-0.15
101	3	-0.08	0.09	-2.28e-06	0.0	0.0	-25.61	5.60e-03	0.21	2.09e-04	-0.08	-0.09
		-0.09	-0.08	-1.89e-06	0.0	80.0	-25.13	5.60e-03	0.21	2.09e-04	0.09	-0.08
101	4	-0.11	0.17	-3.01e-06	0.0	0.0	-16.25	5.11e-03	0.24	5.45e-04	-0.02	-0.11
		-0.11	-0.02	3.21e-06	0.0	80.0	-15.76	5.11e-03	0.24	5.45e-04	0.17	-0.11
101	6	-0.16	0.19	-4.33e-06	0.0	0.0	-32.17	0.01	0.34	5.43e-04	-0.08	-0.16
		-0.16	-0.08	0.0	0.0	80.0	-31.53	0.01	0.34	5.43e-04	0.19	-0.16
101	9	-0.08	0.08	-2.25e-06	0.0	0.0	-29.04	6.11e-03	0.22	1.11e-04	-0.09	-0.09
		-0.09	-0.09	-2.66e-06	0.0	80.0	-28.55	6.11e-03	0.22	1.11e-04	0.08	-0.08
101	10	-0.10	0.14	-2.74e-06	0.0	0.0	-22.79	5.79e-03	0.24	3.35e-04	-0.05	-0.10
		-0.10	-0.05	0.0	0.0	80.0	-22.31	5.79e-03	0.24	3.35e-04	0.14	-0.10
101	12	-0.11	0.13	-2.95e-06	0.0	0.0	-23.71	6.91e-03	0.24	3.70e-04	-0.06	-0.11
		-0.11	-0.06	0.0	0.0	80.0	-23.22	6.91e-03	0.24	3.70e-04	0.13	-0.11
101	13	-0.06	0.06	-1.71e-06	0.0	0.0	-30.48	4.58e-03	0.20	-4.36e-05	-0.10	-0.07
		-0.07	-0.10	-3.60e-06	0.0	80.0	-29.99	4.58e-03	0.20	-4.36e-05	0.06	-0.06
101	14	-0.07	0.09	-1.96e-06	0.0	0.0	-27.36	4.41e-03	0.21	6.84e-05	-0.08	-0.07
		-0.07	-0.08	-1.91e-06	0.0	80.0	-26.87	4.41e-03	0.21	6.84e-05	0.09	-0.07
101	16	-0.07	0.08	-2.04e-06	0.0	0.0	-28.12	4.99e-03	0.21	7.50e-05	-0.09	-0.08
		-0.08	-0.09	-2.27e-06	0.0	80.0	-27.64	4.99e-03	0.21	7.50e-05	0.08	-0.07
101	17	-0.06	0.06	-1.71e-06	0.0	0.0	-30.48	4.58e-03	0.20	-4.36e-05	-0.10	-0.07
		-0.07	-0.10	-3.60e-06	0.0	80.0	-29.99	4.58e-03	0.20	-4.36e-05	0.06	-0.06
101	18	-0.07	0.08	-1.86e-06	0.0	0.0	-28.61	4.48e-03	0.21	2.36e-05	-0.09	-0.07
		-0.07	-0.09	-2.58e-06	0.0	80.0	-28.12	4.48e-03	0.21	2.36e-05	0.08	-0.07
101	19	-3.60	0.78	-1.09e-04	0.0	0.0	-370.42	0.93	1.78	6.60e-03	-2.57	-4.32
		-4.32	-2.57	-1.73e-04	0.0	80.0	-369.93	0.93	1.78	6.60e-03	0.78	-3.60
101	22	4.17	2.39	1.05e-04	0.0	0.0	313.20	-0.92	-1.36	-6.56e-03	2.39	4.17
		3.47	-0.63	1.68e-04	0.0	80.0	313.69	-0.92	-1.36	-6.56e-03	-0.63	3.47
101	35	-2.65	-1.63	-8.00e-05	0.0	0.0	-411.35	0.69	1.43	-4.95e-03	-2.90	-3.16
		-3.16	-2.90	-2.06e-04	0.0	80.0	-410.86	0.69	1.43	-4.95e-03	-1.63	-2.65
101	38	3.02	2.72	7.63e-05	0.0	0.0	354.14	-0.68	-1.02	5.00e-03	2.72	3.02
		2.52	1.79	2.01e-04	0.0	80.0	354.62	-0.68	-1.02	5.00e-03	1.79	2.52
101	51	-2.71	0.60	-8.20e-05	0.0	0.0	-282.05	0.71	1.36	4.89e-03	-1.93	-3.25
		-3.25	-1.93	-1.30e-04	0.0	80.0	-281.57	0.71	1.36	4.89e-03	0.60	-2.71
101	54	3.11	1.75	7.83e-05	0.0	0.0	224.84	-0.70	-0.94	-4.84e-03	1.75	3.11
		2.57	-0.45	1.25e-04	0.0	80.0	225.33	-0.70	-0.94	-4.84e-03	-0.45	2.57
101	67	-1.98	-1.22	-5.99e-05	0.0	0.0	-315.03	0.52	1.11	-3.75e-03	-2.19	-2.37
		-2.37	-2.19	-1.55e-04	0.0	80.0	-314.54	0.52	1.11	-3.75e-03	-1.22	-1.98
101	70	2.23	2.02	5.62e-05	0.0	0.0	257.82	-0.51	-0.69	3.80e-03	2.02	2.23
		1.85	1.37	1.50e-04	0.0	80.0	258.30	-0.51	-0.69	3.80e-03	1.37	1.85
101	83	-2.41	0.54	-7.29e-05	0.0	0.0	-253.15	0.63	1.23	4.33e-03	-1.72	-2.89
		-2.89	-1.72	-1.15e-04	0.0	80.0	-252.66	0.63	1.23	4.33e-03	0.54	-2.41
101	86	2.75	1.54	6.92e-05	0.0	0.0	195.94	-0.63	-0.81	-4.28e-03	1.54	2.75
		2.27	-0.39	1.10e-04	0.0	80.0	196.43	-0.63	-0.81	-4.28e-03	-0.39	2.27
101	99	-1.76	-1.07	-5.33e-05	0.0	0.0	-282.67	0.46	1.00	-3.33e-03	-1.96	-2.11
		-2.11	-1.96	-1.38e-04	0.0	80.0	-282.18	0.46	1.00	-3.33e-03	-1.07	-1.76
101	102	1.97	1.78	4.96e-05	0.0	0.0	225.46	-0.45	-0.59	3.38e-03	1.78	1.97
		1.63	1.23	1.33e-04	0.0	80.0	225.94	-0.45	-0.59	3.38e-03	1.23	1.63

101	104	0.66	1.79	1.67e-05	0.0	0.0	128.69	-0.16	-0.13	6.51e-03	1.08	0.66
		0.55	1.08	1.34e-04	0.0	80.0	129.18	-0.16	-0.13	6.51e-03	1.79	0.55
101	115	-4.28	0.92	-1.29e-04	0.0	0.0	-438.64	1.10	2.09	7.94e-03	-3.06	-5.12
		-5.12	-3.06	-2.07e-04	0.0	80.0	-438.15	1.10	2.09	7.94e-03	0.92	-4.28
101	118	4.98	2.88	1.26e-04	0.0	0.0	381.43	-1.09	-1.67	-7.90e-03	2.88	4.98
		4.15	-0.77	2.02e-04	0.0	80.0	381.92	-1.09	-1.67	-7.90e-03	-0.77	4.15
101	131	-3.14	-1.99	-9.49e-05	0.0	0.0	-488.92	0.81	1.67	-5.98e-03	-3.47	-3.75
		-3.75	-3.47	-2.47e-04	0.0	80.0	-488.44	0.81	1.67	-5.98e-03	-1.99	-3.14
101	134	3.61	3.29	9.12e-05	0.0	0.0	431.71	-0.81	-1.26	6.03e-03	3.29	3.61
		3.01	2.14	2.42e-04	0.0	80.0	432.20	-0.81	-1.26	6.03e-03	2.14	3.01
102	2	-2.69e-03	0.34	-7.21e-05	0.0	0.0	-14.99	0.11	-0.10	5.82e-05	0.34	-0.14
		-0.14	0.22	9.58e-05	0.0	120.0	-14.04	0.11	-0.10	5.82e-05	0.22	-2.69e-03
102	3	3.74e-04	0.15	-4.27e-05	0.0	0.0	-10.10	0.08	-0.05	9.24e-05	0.15	-0.09
		-0.09	0.10	4.54e-05	0.0	120.0	-9.37	0.08	-0.05	9.24e-05	0.10	3.74e-04
102	5	-3.86e-03	0.21	-7.34e-05	0.0	0.0	-14.92	0.11	-0.06	8.14e-05	0.21	-0.14
		-0.14	0.14	6.36e-05	0.0	120.0	-13.97	0.11	-0.06	8.14e-05	0.14	-3.86e-03
102	6	-2.15e-03	0.33	-7.27e-05	0.0	0.0	-15.08	0.12	-0.09	1.79e-04	0.33	-0.14
		-0.14	0.22	9.43e-05	0.0	120.0	-14.13	0.12	-0.09	1.79e-04	0.22	-2.15e-03
102	8	3.35e-03	0.30	-4.25e-05	0.0	0.0	-10.42	0.08	-0.08	3.52e-04	0.30	-0.09
		-0.09	0.20	8.77e-05	0.0	120.0	-9.69	0.08	-0.08	3.52e-04	0.20	3.35e-03
102	9	-2.45e-03	0.14	-5.02e-05	0.0	0.0	-10.76	0.08	-0.04	-4.42e-05	0.14	-0.10
		-0.10	0.08	3.88e-05	0.0	120.0	-10.03	0.08	-0.04	-4.42e-05	0.08	-2.45e-03
102	10	-8.29e-04	0.24	-4.96e-05	0.0	0.0	-10.91	0.08	-0.07	4.84e-05	0.24	-0.10
		-0.10	0.16	6.80e-05	0.0	120.0	-10.18	0.08	-0.07	4.84e-05	0.16	-8.29e-04
102	11	-1.61e-03	0.16	-5.05e-05	0.0	0.0	-10.87	0.08	-0.05	6.38e-05	0.16	-0.10
		-0.10	0.10	4.65e-05	0.0	120.0	-10.14	0.08	-0.05	6.38e-05	0.10	-1.61e-03
102	12	-4.69e-04	0.23	-5.00e-05	0.0	0.0	-10.97	0.08	-0.07	1.29e-04	0.23	-0.10
		-0.10	0.15	6.70e-05	0.0	120.0	-10.24	0.08	-0.07	1.29e-04	0.15	-4.69e-04
102	13	-3.73e-03	0.10	-4.99e-05	0.0	0.0	-10.60	0.08	-0.04	-2.06e-04	0.10	-0.10
		-0.10	0.05	2.71e-05	0.0	120.0	-9.86	0.08	-0.04	-2.06e-04	0.05	-3.73e-03
102	14	-2.91e-03	0.16	-4.96e-05	0.0	0.0	-10.67	0.08	-0.06	-1.60e-04	0.16	-0.10
		-0.10	0.09	4.17e-05	0.0	120.0	-9.94	0.08	-0.06	-1.60e-04	0.09	-2.91e-03
102	15	-3.30e-03	0.11	-5.00e-05	0.0	0.0	-10.65	0.08	-0.04	-1.52e-04	0.11	-0.10
		-0.10	0.06	3.10e-05	0.0	120.0	-9.92	0.08	-0.04	-1.52e-04	0.06	-3.30e-03
102	16	-2.81e-03	0.15	-4.98e-05	0.0	0.0	-10.69	0.08	-0.05	-1.25e-04	0.15	-0.10
		-0.10	0.08	3.98e-05	0.0	120.0	-9.96	0.08	-0.05	-1.25e-04	0.08	-2.81e-03
102	17	-3.73e-03	0.10	-4.99e-05	0.0	0.0	-10.60	0.08	-0.04	-2.06e-04	0.10	-0.10
		-0.10	0.05	2.71e-05	0.0	120.0	-9.86	0.08	-0.04	-2.06e-04	0.05	-3.73e-03
102	18	-3.24e-03	0.14	-4.97e-05	0.0	0.0	-10.64	0.08	-0.05	-1.79e-04	0.14	-0.10
		-0.10	0.07	3.59e-05	0.0	120.0	-9.91	0.08	-0.05	-1.79e-04	0.07	-3.24e-03
102	24	-0.11	3.58	-4.03e-04	0.0	0.0	-29.63	9.00e-03	-1.27	9.87e-03	3.58	-0.22
		-0.22	2.11	9.93e-04	0.0	120.0	-28.90	9.00e-03	-1.27	9.87e-03	2.11	-0.11
102	25	0.10	-1.96	3.04e-04	0.0	0.0	8.35	0.15	1.17	-0.01	-3.31	0.02
		0.02	-3.31	-9.21e-04	0.0	120.0	9.08	0.15	1.17	-0.01	-1.96	0.10
102	38	0.18	3.33	3.46e-04	0.0	0.0	-15.50	0.26	-1.24	2.85e-03	3.33	-0.14
		-0.14	1.86	9.13e-04	0.0	120.0	-14.77	0.26	-1.24	2.85e-03	1.86	0.18
102	40	0.10	4.87	1.11e-04	0.0	0.0	-24.29	0.20	-1.79	6.98e-03	4.87	-0.15
		-0.15	2.76	1.34e-03	0.0	120.0	-23.55	0.20	-1.79	6.98e-03	2.76	0.10
102	41	-0.05	-2.61	-2.10e-04	0.0	0.0	3.00	-0.04	1.69	-7.34e-03	-4.60	-0.05
		-0.11	-4.60	-1.26e-03	0.0	120.0	3.74	-0.04	1.69	-7.34e-03	-2.61	-0.11
102	56	-0.08	2.74	-3.13e-04	0.0	0.0	-24.84	0.03	-0.98	7.35e-03	2.74	-0.19
		-0.19	1.61	7.60e-04	0.0	120.0	-24.11	0.03	-0.98	7.35e-03	1.61	-0.08
102	57	0.07	-1.46	2.14e-04	0.0	0.0	3.56	0.13	0.88	-7.70e-03	-2.47	-7.46e-03
		-7.46e-03	-2.47	-6.88e-04	0.0	120.0	4.29	0.13	0.88	-7.70e-03	-1.46	0.07
102	70	0.13	2.55	2.43e-04	0.0	0.0	-14.26	0.22	-0.96	2.10e-03	2.55	-0.13
		-0.13	1.42	6.99e-04	0.0	120.0	-13.53	0.22	-0.96	2.10e-03	1.42	0.13
102	72	0.07	3.72	6.59e-05	0.0	0.0	-20.88	0.17	-1.38	5.22e-03	3.72	-0.14
		-0.14	2.11	1.02e-03	0.0	120.0	-20.15	0.17	-1.38	5.22e-03	2.11	0.07
102	73	-0.06	-1.96	-1.65e-04	0.0	0.0	-0.40	-8.34e-03	1.27	-5.58e-03	-3.45	-0.06
		-0.08	-3.45	-9.47e-04	0.0	120.0	0.33	-8.34e-03	1.27	-5.58e-03	-1.96	-0.08
102	88	-0.07	2.45	-2.83e-04	0.0	0.0	-23.23	0.03	-0.87	6.50e-03	2.45	-0.18
		-0.18	1.44	6.79e-04	0.0	120.0	-22.50	0.03	-0.87	6.50e-03	1.44	-0.07
102	89	0.07	-1.29	1.84e-04	0.0	0.0	1.95	0.13	0.77	-6.85e-03	-2.18	-0.02
		-0.02	-2.18	-6.07e-04	0.0	120.0	2.68	0.13	0.77	-6.85e-03	-1.29	0.07
102	102	0.12	2.28	2.10e-04	0.0	0.0	-13.85	0.20	-0.86	1.85e-03	2.28	-0.13
		-0.13	1.27	6.25e-04	0.0	120.0	-13.12	0.20	-0.86	1.85e-03	1.27	0.12
102	104	0.07	3.32	5.24e-05	0.0	0.0	-19.72	0.16	-1.23	4.62e-03	3.32	-0.13
		-0.13	1.88	9.09e-04	0.0	120.0	-18.99	0.16	-1.23	4.62e-03	1.88	0.07
102	105	-0.07	-1.73	-1.52e-04	0.0	0.0	-1.56	1.56e-03	1.13	-4.97e-03	-3.05	-0.07
		-0.07	-3.05	-8.37e-04	0.0	120.0	-0.83	1.56e-03	1.13	-4.97e-03	-1.73	-0.07
102	120	-0.13	4.29	-4.71e-04	0.0	0.0	-33.33	-5.02e-03	-1.52	0.01	4.29	-0.24
		-0.24	2.53	1.19e-03	0.0	120.0	-32.60	-5.02e-03	-1.52	0.01	2.53	-0.13
102	121	0.12	-2.38	3.71e-04	0.0	0.0	12.05	0.16	1.42	-0.01	-4.02	0.04
		0.04	-4.02	-1.12e-03	0.0	120.0	12.78	0.16	1.42	-0.01	-2.38	0.12
102	134	0.22	3.99	4.22e-04	0.0	0.0	-16.48	0.30	-1.49	3.47e-03	3.99	-0.15

		-0.15	2.23	1.09e-03	0.0	120.0	-15.74	0.30	-1.49	3.47e-03	2.23	0.22
102	136	0.12	5.85	1.44e-04	0.0	0.0	-26.92	0.22	-2.15	8.41e-03	5.85	-0.16
		-0.16	3.31	1.60e-03	0.0	120.0	-26.18	0.22	-2.15	8.41e-03	3.31	0.12
102	137	-0.04	-3.16	-2.44e-04	0.0	0.0	5.63	-0.06	2.05	-8.76e-03	-5.58	-0.04
		-0.13	-5.58	-1.53e-03	0.0	120.0	6.37	-0.06	2.05	-8.76e-03	-3.16	-0.13
103	2	-0.06	0.19	-8.01e-06	0.0	0.0	-41.58	0.44	-0.07	-5.79e-04	0.19	-0.42
		-0.42	0.13	1.27e-05	0.0	80.0	-40.95	0.44	-0.07	-5.79e-04	0.13	-0.06
103	3	-0.02	0.07	-4.10e-06	0.0	0.0	-23.98	0.25	-0.02	-1.14e-04	0.07	-0.22
		-0.22	0.05	4.46e-06	0.0	80.0	-23.49	0.25	-0.02	-1.14e-04	0.05	-0.02
103	7	-0.03	0.09	-4.12e-06	0.0	0.0	-23.92	0.24	-0.03	-1.63e-04	0.09	-0.22
		-0.22	0.06	6.26e-06	0.0	80.0	-23.43	0.24	-0.03	-1.63e-04	0.06	-0.03
103	9	-0.02	0.05	-4.42e-06	0.0	0.0	-26.55	0.26	-0.02	-8.38e-05	0.05	-0.24
		-0.24	0.04	3.63e-06	0.0	80.0	-26.06	0.26	-0.02	-8.38e-05	0.04	-0.02
103	10	-0.04	0.13	-5.71e-06	0.0	0.0	-29.58	0.32	-0.05	-3.94e-04	0.13	-0.30
		-0.30	0.09	8.63e-06	0.0	80.0	-29.09	0.32	-0.05	-3.94e-04	0.09	-0.04
103	11	-0.03	0.07	-4.43e-06	0.0	0.0	-26.51	0.26	-0.03	-1.17e-04	0.07	-0.24
		-0.24	0.05	4.83e-06	0.0	80.0	-26.02	0.26	-0.03	-1.17e-04	0.05	-0.03
103	13	-0.02	0.03	-4.41e-06	0.0	0.0	-26.61	0.27	-9.52e-03	-3.41e-05	0.03	-0.24
		-0.24	0.02	1.84e-06	0.0	80.0	-26.12	0.27	-9.52e-03	-3.41e-05	0.02	-0.02
103	14	-0.03	0.06	-5.05e-06	0.0	0.0	-28.12	0.30	-0.02	-1.89e-04	0.06	-0.27
		-0.27	0.04	4.34e-06	0.0	80.0	-27.64	0.30	-0.02	-1.89e-04	0.04	-0.03
103	15	-0.02	0.04	-4.42e-06	0.0	0.0	-26.59	0.27	-0.01	-5.07e-05	0.04	-0.24
		-0.24	0.03	2.43e-06	0.0	80.0	-26.10	0.27	-0.01	-5.07e-05	0.03	-0.02
103	17	-0.02	0.03	-4.41e-06	0.0	0.0	-26.61	0.27	-9.52e-03	-3.41e-05	0.03	-0.24
		-0.24	0.02	1.84e-06	0.0	80.0	-26.12	0.27	-9.52e-03	-3.41e-05	0.02	-0.02
103	18	-0.03	0.05	-4.80e-06	0.0	0.0	-27.52	0.29	-0.02	-1.27e-04	0.05	-0.26
		-0.26	0.03	3.34e-06	0.0	80.0	-27.03	0.29	-0.02	-1.27e-04	0.03	-0.03
103	27	-0.36	1.27	-3.31e-05	0.0	0.0	-133.18	2.31	-0.52	-4.15e-03	1.27	-1.68
		-1.68	0.86	8.65e-05	0.0	80.0	-132.69	2.31	-0.52	-4.15e-03	0.86	-0.36
103	28	-0.60	3.13	-4.81e-05	0.0	0.0	-96.79	1.67	-1.26	-9.39e-03	3.13	-2.41
		-2.41	2.12	2.12e-04	0.0	80.0	-96.31	1.67	-1.26	-9.39e-03	2.12	-0.60
103	29	1.90	-2.05	3.85e-05	0.0	0.0	41.76	-1.10	1.23	9.13e-03	-3.03	1.90
		0.55	-3.03	-2.06e-04	0.0	80.0	42.25	-1.10	1.23	9.13e-03	-2.05	0.55
103	30	1.17	-0.79	2.35e-05	0.0	0.0	78.15	-1.74	0.48	3.90e-03	-1.18	1.17
		0.30	-1.18	-7.98e-05	0.0	80.0	78.63	-1.74	0.48	3.90e-03	-0.79	0.30
103	40	-0.57	3.79	-4.07e-05	0.0	0.0	6.89	-0.28	-1.53	-0.01	3.79	-2.01
		-2.01	2.56	2.57e-04	0.0	80.0	7.38	-0.28	-1.53	-0.01	2.56	-0.57
103	41	1.50	-2.50	3.11e-05	0.0	0.0	-61.92	0.85	1.49	0.01	-3.69	1.50
		0.52	-3.69	-2.50e-04	0.0	80.0	-61.44	0.85	1.49	0.01	-2.50	0.52
103	59	-0.27	0.98	-2.61e-05	0.0	0.0	-106.27	1.80	-0.40	-3.18e-03	0.98	-1.33
		-1.33	0.66	6.64e-05	0.0	80.0	-105.78	1.80	-0.40	-3.18e-03	0.66	-0.27
103	60	-0.46	2.38	-3.73e-05	0.0	0.0	-79.35	1.33	-0.96	-7.14e-03	2.38	-1.87
		-1.87	1.61	1.62e-04	0.0	80.0	-78.86	1.33	-0.96	-7.14e-03	1.61	-0.46
103	61	1.36	-1.54	2.77e-05	0.0	0.0	24.32	-0.76	0.93	6.89e-03	-2.28	1.36
		0.41	-2.28	-1.55e-04	0.0	80.0	24.80	-0.76	0.93	6.89e-03	-1.54	0.41
103	62	0.82	-0.59	1.65e-05	0.0	0.0	51.23	-1.23	0.36	2.92e-03	-0.88	0.82
		0.22	-0.88	-5.98e-05	0.0	80.0	51.72	-1.23	0.36	2.92e-03	-0.59	0.22
103	72	-0.44	2.88	-3.16e-05	0.0	0.0	-2.24	-0.12	-1.16	-8.25e-03	2.88	-1.56
		-1.56	1.95	1.95e-04	0.0	80.0	-1.75	-0.12	-1.16	-8.25e-03	1.95	-0.44
103	73	1.05	-1.88	2.20e-05	0.0	0.0	-52.79	0.69	1.12	7.99e-03	-2.78	1.05
		0.38	-2.78	-1.89e-04	0.0	80.0	-52.31	0.69	1.12	7.99e-03	-1.88	0.38
103	91	-0.25	0.87	-2.37e-05	0.0	0.0	-97.31	1.63	-0.35	-2.83e-03	0.87	-1.21
		-1.21	0.59	5.94e-05	0.0	80.0	-96.83	1.63	-0.35	-2.83e-03	0.59	-0.25
103	92	-0.41	2.12	-3.36e-05	0.0	0.0	-73.48	1.21	-0.86	-6.36e-03	2.12	-1.69
		-1.69	1.44	1.44e-04	0.0	80.0	-72.99	1.21	-0.86	-6.36e-03	1.44	-0.41
103	93	1.18	-1.37	2.40e-05	0.0	0.0	18.44	-0.64	0.82	6.10e-03	-2.02	1.18
		0.36	-2.02	-1.37e-04	0.0	80.0	18.93	-0.64	0.82	6.10e-03	-1.37	0.36
103	94	0.70	-0.52	1.41e-05	0.0	0.0	42.28	-1.06	0.32	2.58e-03	-0.78	0.70
		0.19	-0.78	-5.27e-05	0.0	80.0	42.77	-1.06	0.32	2.58e-03	-0.52	0.19
103	104	-0.39	2.56	-2.85e-05	0.0	0.0	-5.15	-0.07	-1.03	-7.34e-03	2.56	-1.41
		-1.41	1.73	1.74e-04	0.0	80.0	-4.66	-0.07	-1.03	-7.34e-03	1.73	-0.39
103	105	0.90	-1.67	1.89e-05	0.0	0.0	-49.88	0.65	1.00	7.09e-03	-2.46	0.90
		0.34	-2.46	-1.67e-04	0.0	80.0	-49.40	0.65	1.00	7.09e-03	-1.67	0.34
103	123	-0.42	1.51	-3.86e-05	0.0	0.0	-154.32	2.71	-0.61	-4.97e-03	1.51	-1.96
		-1.96	1.02	1.02e-04	0.0	80.0	-153.83	2.71	-0.61	-4.97e-03	1.02	-0.42
103	124	-0.72	3.75	-5.68e-05	0.0	0.0	-110.52	1.94	-1.51	-0.01	3.75	-2.84
		-2.84	2.54	2.54e-04	0.0	80.0	-110.03	1.94	-1.51	-0.01	2.54	-0.72
103	125	2.33	-2.47	4.72e-05	0.0	0.0	55.48	-1.37	1.48	0.01	-3.65	2.33
		0.67	-3.65	-2.48e-04	0.0	80.0	55.97	-1.37	1.48	0.01	-2.47	0.67
103	126	1.45	-0.95	2.91e-05	0.0	0.0	99.29	-2.14	0.57	4.71e-03	-1.41	1.45
		0.37	-1.41	-9.57e-05	0.0	80.0	99.77	-2.14	0.57	4.71e-03	-0.95	0.37
103	136	-0.69	4.55	-4.79e-05	0.0	0.0	14.02	-0.39	-1.84	-0.01	4.55	-2.37
		-2.37	3.08	3.09e-04	0.0	80.0	14.51	-0.39	-1.84	-0.01	3.08	-0.69
103	137	1.85	-3.01	3.83e-05	0.0	0.0	-69.05	0.96	1.80	0.01	-4.45	1.85
		0.63	-4.45	-3.02e-04	0.0	80.0	-68.56	0.96	1.80	0.01	-3.01	0.63

104	2	-0.06	0.37	-8.10e-05	0.0	0.0	-26.58	0.14	-0.21	-1.30e-03	0.37	-0.23
		-0.23	0.12	9.55e-05	0.0	120.0	-25.63	0.14	-0.21	-1.30e-03	0.12	-0.06
104	3	-0.01	0.15	-3.56e-05	0.0	0.0	-15.38	0.09	-0.08	-2.90e-04	0.15	-0.12
		-0.12	0.05	3.93e-05	0.0	120.0	-14.65	0.09	-0.08	-2.90e-04	0.05	-0.01
104	7	-0.02	0.20	-3.77e-05	0.0	0.0	-15.30	0.09	-0.11	-4.06e-04	0.20	-0.12
		-0.12	0.07	5.34e-05	0.0	120.0	-14.57	0.09	-0.11	-4.06e-04	0.07	-0.02
104	9	-0.01	0.12	-3.96e-05	0.0	0.0	-17.16	0.10	-0.06	-2.15e-04	0.12	-0.14
		-0.14	0.04	3.22e-05	0.0	120.0	-16.43	0.10	-0.06	-2.15e-04	0.04	-0.01
104	10	-0.04	0.25	-5.56e-05	0.0	0.0	-18.86	0.10	-0.14	-8.93e-04	0.25	-0.16
		-0.16	0.09	6.61e-05	0.0	120.0	-18.13	0.10	-0.14	-8.93e-04	0.09	-0.04
104	11	-0.02	0.16	-4.10e-05	0.0	0.0	-17.10	0.10	-0.08	-2.92e-04	0.16	-0.14
		-0.14	0.05	4.16e-05	0.0	120.0	-16.37	0.10	-0.08	-2.92e-04	0.05	-0.02
104	13	-6.76e-03	0.06	-3.75e-05	0.0	0.0	-17.24	0.11	-0.03	-9.85e-05	0.06	-0.13
		-0.13	0.02	1.81e-05	0.0	120.0	-16.51	0.11	-0.03	-9.85e-05	0.02	-6.76e-03
104	14	-0.02	0.13	-4.55e-05	0.0	0.0	-18.09	0.11	-0.07	-4.37e-04	0.13	-0.15
		-0.15	0.05	3.50e-05	0.0	120.0	-17.36	0.11	-0.07	-4.37e-04	0.05	-0.02
104	15	-8.58e-03	0.08	-3.82e-05	0.0	0.0	-17.21	0.11	-0.04	-1.37e-04	0.08	-0.13
		-0.13	0.03	2.28e-05	0.0	120.0	-16.48	0.11	-0.04	-1.37e-04	0.03	-8.58e-03
104	17	-6.76e-03	0.06	-3.75e-05	0.0	0.0	-17.24	0.11	-0.03	-9.85e-05	0.06	-0.13
		-0.13	0.02	1.81e-05	0.0	120.0	-16.51	0.11	-0.03	-9.85e-05	0.02	-6.76e-03
104	18	-0.01	0.10	-4.23e-05	0.0	0.0	-17.75	0.11	-0.06	-3.02e-04	0.10	-0.14
		-0.14	0.04	2.82e-05	0.0	120.0	-17.02	0.11	-0.06	-3.02e-04	0.04	-0.01
104	19	-0.32	1.82	-3.10e-04	0.0	0.0	-78.69	0.42	-1.05	-5.42e-03	1.82	-0.62
		-0.62	0.56	4.57e-04	0.0	120.0	-77.96	0.42	-1.05	-5.42e-03	0.56	-0.32
104	22	0.34	-0.48	2.26e-04	0.0	0.0	43.19	-0.21	0.94	4.81e-03	-1.61	0.34
		0.30	-1.61	-4.01e-04	0.0	120.0	43.92	-0.21	0.94	4.81e-03	-0.48	0.30
104	28	-0.68	5.05	-5.37e-04	0.0	0.0	-57.43	0.26	-2.93	-0.02	5.05	-0.92
		-0.92	1.54	1.28e-03	0.0	120.0	-56.70	0.26	-2.93	-0.02	1.54	-0.68
104	40	-0.71	6.09	-5.00e-04	0.0	0.0	2.43	-0.07	-3.53	-0.02	6.09	-0.82
		-0.82	1.87	1.56e-03	0.0	120.0	3.16	-0.07	-3.53	-0.02	1.87	-0.71
104	41	0.69	-1.79	4.15e-04	0.0	0.0	-37.93	0.28	3.41	0.02	-5.89	0.54
		0.54	-5.89	-1.50e-03	0.0	120.0	-37.19	0.28	3.41	0.02	-1.79	0.69
104	59	-0.27	1.61	-2.61e-04	0.0	0.0	-62.83	0.33	-0.93	-6.03e-03	1.61	-0.50
		-0.50	0.49	4.05e-04	0.0	120.0	-62.10	0.33	-0.93	-6.03e-03	0.49	-0.27
104	60	-0.52	3.85	-4.14e-04	0.0	0.0	-47.26	0.22	-2.23	-0.01	3.85	-0.72
		-0.72	1.18	9.79e-04	0.0	120.0	-46.53	0.22	-2.23	-0.01	1.18	-0.52
104	62	0.24	-0.42	1.76e-04	0.0	0.0	27.33	-0.11	0.82	5.42e-03	-1.40	0.21
		0.21	-1.40	-3.49e-04	0.0	120.0	28.06	-0.11	0.82	5.42e-03	-0.42	0.24
104	72	-0.54	4.63	-3.86e-04	0.0	0.0	-2.99	-0.02	-2.68	-0.01	4.63	-0.64
		-0.64	1.42	1.18e-03	0.0	120.0	-2.26	-0.02	-2.68	-0.01	1.42	-0.54
104	73	0.51	-1.35	3.01e-04	0.0	0.0	-32.51	0.24	2.57	0.01	-4.43	0.36
		0.36	-4.43	-1.13e-03	0.0	120.0	-31.78	0.24	2.57	0.01	-1.35	0.51
104	91	-0.24	1.44	-2.36e-04	0.0	0.0	-57.68	0.30	-0.83	-5.38e-03	1.44	-0.46
		-0.46	0.44	3.63e-04	0.0	120.0	-56.94	0.30	-0.83	-5.38e-03	0.44	-0.24
104	92	-0.46	3.43	-3.72e-04	0.0	0.0	-43.90	0.20	-1.99	-0.01	3.43	-0.65
		-0.65	1.05	8.72e-04	0.0	120.0	-43.17	0.20	-1.99	-0.01	1.05	-0.46
104	94	0.21	-0.37	1.51e-04	0.0	0.0	22.18	-0.09	0.72	4.78e-03	-1.23	0.17
		0.17	-1.23	-3.06e-04	0.0	120.0	22.91	-0.09	0.72	4.78e-03	-0.37	0.21
104	104	-0.48	4.13	-3.47e-04	0.0	0.0	-4.69	-8.55e-03	-2.39	-0.01	4.13	-0.59
		-0.59	1.27	1.05e-03	0.0	120.0	-3.96	-8.55e-03	-2.39	-0.01	1.27	-0.48
104	105	0.46	-1.19	2.63e-04	0.0	0.0	-30.80	0.22	2.27	0.01	-3.92	0.30
		0.30	-3.92	-9.98e-04	0.0	120.0	-30.07	0.22	2.27	0.01	-1.19	0.46
104	115	-0.39	2.16	-3.63e-04	0.0	0.0	-90.82	0.49	-1.25	-6.48e-03	2.16	-0.71
		-0.71	0.66	5.44e-04	0.0	120.0	-90.09	0.49	-1.25	-6.48e-03	0.66	-0.39
104	118	0.43	-0.59	2.78e-04	0.0	0.0	55.32	-0.28	1.14	5.87e-03	-1.96	0.43
		0.36	-1.96	-4.88e-04	0.0	120.0	56.05	-0.28	1.14	5.87e-03	-0.59	0.36
104	124	-0.82	6.06	-6.38e-04	0.0	0.0	-65.33	0.29	-3.51	-0.02	6.06	-1.07
		-1.07	1.85	1.54e-03	0.0	120.0	-64.60	0.29	-3.51	-0.02	1.85	-0.82
104	136	-0.86	7.33	-5.94e-04	0.0	0.0	6.57	-0.10	-4.24	-0.02	7.33	-0.96
		-0.96	2.25	1.87e-03	0.0	120.0	7.30	-0.10	-4.24	-0.02	2.25	-0.86
104	137	0.83	-2.17	5.09e-04	0.0	0.0	-42.07	0.32	4.13	0.02	-7.12	0.68
		0.68	-7.12	-1.81e-03	0.0	120.0	-41.34	0.32	4.13	0.02	-2.17	0.83
105	2	-0.02	0.25	-1.11e-04	0.0	0.0	-12.88	0.10	-0.04	0.0	0.25	-0.14
		-0.14	0.20	1.00e-04	0.0	120.0	-11.93	0.10	-0.04	0.0	0.20	-0.02
105	3	-1.11e-03	0.12	-4.81e-05	0.0	0.0	-7.58	0.06	-0.03	0.0	0.12	-0.08
		-0.08	0.09	4.74e-05	0.0	120.0	-6.85	0.06	-0.03	0.0	0.09	-1.11e-03
105	7	-3.33e-03	0.14	-5.12e-05	0.0	0.0	-7.49	0.06	-0.02	0.0	0.14	-0.08
		-0.08	0.12	5.91e-05	0.0	120.0	-6.76	0.06	-0.02	0.0	0.12	-3.33e-03
105	9	-2.73e-03	0.11	-5.39e-05	0.0	0.0	-8.53	0.07	-0.03	0.0	0.11	-0.09
		-0.09	0.07	4.08e-05	0.0	120.0	-7.80	0.07	-0.03	0.0	0.07	-2.73e-03
105	10	-0.01	0.18	-7.57e-05	0.0	0.0	-9.13	0.07	-0.04	0.0	0.18	-0.10
		-0.10	0.14	7.13e-05	0.0	120.0	-8.40	0.07	-0.04	0.0	0.14	-0.01
105	11	-4.21e-03	0.12	-5.60e-05	0.0	0.0	-8.47	0.07	-0.02	0.0	0.12	-0.09
		-0.09	0.09	4.85e-05	0.0	120.0	-7.74	0.07	-0.02	0.0	0.09	-4.21e-03
105	13	-5.02e-04	0.09	-5.08e-05	0.0	0.0	-8.62	0.07	-0.04	0.0	0.09	-0.09

		-0.09	0.04	2.92e-05	0.0	120.0	-7.89	0.07	-0.04	0.0	0.04	-5.02e-04
105	14	-4.26e-03	0.12	-6.17e-05	0.0	0.0	-8.92	0.07	-0.04	0.0	0.12	-0.09
		-0.09	0.07	4.44e-05	0.0	120.0	-8.19	0.07	-0.04	0.0	0.07	-4.26e-03
105	15	-1.24e-03	0.09	-5.19e-05	0.0	0.0	-8.59	0.07	-0.04	0.0	0.09	-0.09
		-0.09	0.05	3.30e-05	0.0	120.0	-7.86	0.07	-0.04	0.0	0.05	-1.24e-03
105	17	-5.02e-04	0.09	-5.08e-05	0.0	0.0	-8.62	0.07	-0.04	0.0	0.09	-0.09
		-0.09	0.04	2.92e-05	0.0	120.0	-7.89	0.07	-0.04	0.0	0.04	-5.02e-04
105	18	-2.76e-03	0.11	-5.74e-05	0.0	0.0	-8.80	0.07	-0.04	0.0	0.11	-0.09
		-0.09	0.06	3.83e-05	0.0	120.0	-8.07	0.07	-0.04	0.0	0.06	-2.76e-03
105	19	-0.10	1.06	-4.07e-04	0.0	0.0	-34.91	0.36	-0.37	0.0	1.06	-0.52
		-0.52	0.80	4.00e-04	0.0	120.0	-34.18	0.36	-0.37	0.0	0.80	-0.10
105	22	0.34	-0.68	2.92e-04	0.0	0.0	17.30	-0.22	0.28	0.0	-0.84	0.34
		0.09	-0.84	-3.24e-04	0.0	120.0	18.03	-0.22	0.28	0.0	-0.68	0.09
105	40	0.07	3.67	-6.71e-04	0.0	0.0	-0.29	-0.06	-1.13	0.0	3.67	0.07
		-0.25	2.45	1.39e-03	0.0	120.0	0.44	-0.06	-1.13	0.0	2.45	-0.25
105	41	0.24	-2.33	5.56e-04	0.0	0.0	-17.32	0.20	1.05	0.0	-3.45	-0.25
		-0.25	-3.45	-1.32e-03	0.0	120.0	-16.59	0.20	1.05	0.0	-2.33	0.24
105	51	-0.08	0.83	-3.18e-04	0.0	0.0	-27.94	0.28	-0.29	0.0	0.83	-0.41
		-0.41	0.61	3.12e-04	0.0	120.0	-27.21	0.28	-0.29	0.0	0.61	-0.08
105	54	0.23	-0.49	2.03e-04	0.0	0.0	10.33	-0.14	0.20	0.0	-0.61	0.23
		0.07	-0.61	-2.35e-04	0.0	120.0	11.06	-0.14	0.20	0.0	-0.49	0.07
105	72	0.02	2.81	-5.18e-04	0.0	0.0	-2.63	-0.02	-0.88	0.0	2.81	0.02
		-0.19	1.87	1.06e-03	0.0	120.0	-1.90	-0.02	-0.88	0.0	1.87	-0.19
105	73	0.18	-1.75	4.04e-04	0.0	0.0	-14.98	0.17	0.80	0.0	-2.59	-0.20
		-0.20	-2.59	-9.87e-04	0.0	120.0	-14.25	0.17	0.80	0.0	-1.75	0.18
105	83	-0.07	0.75	-2.88e-04	0.0	0.0	-25.72	0.26	-0.26	0.0	0.75	-0.37
		-0.37	0.55	2.81e-04	0.0	120.0	-24.99	0.26	-0.26	0.0	0.55	-0.07
105	86	0.19	-0.43	1.74e-04	0.0	0.0	8.12	-0.11	0.18	0.0	-0.53	0.19
		0.06	-0.53	-2.05e-04	0.0	120.0	8.85	-0.11	0.18	0.0	-0.43	0.06
105	104	0.01	2.51	-4.67e-04	0.0	0.0	-3.35	-0.01	-0.79	0.0	2.51	0.01
		-0.17	1.66	9.49e-04	0.0	120.0	-2.62	-0.01	-0.79	0.0	1.66	-0.17
105	105	0.16	-1.55	3.52e-04	0.0	0.0	-14.26	0.16	0.70	0.0	-2.29	-0.19
		-0.19	-2.29	-8.72e-04	0.0	120.0	-13.53	0.16	0.70	0.0	-1.55	0.16
105	115	-0.12	1.26	-4.77e-04	0.0	0.0	-40.11	0.42	-0.43	0.0	1.26	-0.61
		-0.61	0.95	4.75e-04	0.0	120.0	-39.38	0.42	-0.43	0.0	0.95	-0.12
105	118	0.43	-0.83	3.62e-04	0.0	0.0	22.50	-0.27	0.35	0.0	-1.04	0.43
		0.11	-1.04	-3.99e-04	0.0	120.0	23.23	-0.27	0.35	0.0	-0.83	0.11
105	136	0.10	4.41	-7.98e-04	0.0	0.0	1.44	-0.08	-1.35	0.0	4.41	0.10
		-0.30	2.94	1.67e-03	0.0	120.0	2.17	-0.08	-1.35	0.0	2.94	-0.30
105	137	0.30	-2.82	6.83e-04	0.0	0.0	-19.05	0.23	1.27	0.0	-4.19	-0.28
		-0.28	-4.19	-1.60e-03	0.0	120.0	-18.31	0.23	1.27	0.0	-2.82	0.30
106	2	-0.27	0.22	-2.28e-04	0.0	0.0	-38.93	2.47e-03	-0.09	-2.73e-04	0.22	-0.29
		-0.29	-0.19	1.90e-04	0.0	440.0	-35.45	2.47e-03	-0.09	-2.73e-04	-0.19	-0.27
106	3	-0.07	0.09	-7.19e-05	0.0	0.0	-23.81	6.60e-03	-0.04	5.20e-05	0.09	-0.10
		-0.10	-0.08	7.09e-05	0.0	440.0	-21.13	6.60e-03	-0.04	5.20e-05	-0.08	-0.07
106	9	-0.07	0.08	-7.44e-05	0.0	0.0	-26.75	7.02e-03	-0.03	6.10e-05	0.08	-0.10
		-0.10	-0.08	5.77e-05	0.0	440.0	-24.07	7.02e-03	-0.03	6.10e-05	-0.08	-0.07
106	10	-0.19	0.15	-1.57e-04	0.0	0.0	-27.52	2.25e-03	-0.06	-1.88e-04	0.15	-0.20
		-0.20	-0.13	1.30e-04	0.0	440.0	-24.84	2.25e-03	-0.06	-1.88e-04	-0.13	-0.19
106	13	-0.06	0.05	-6.76e-05	0.0	0.0	-26.66	6.90e-03	-0.02	4.35e-05	0.05	-0.09
		-0.09	-0.06	3.10e-05	0.0	440.0	-23.98	6.90e-03	-0.02	4.35e-05	-0.06	-0.06
106	14	-0.12	0.09	-1.09e-04	0.0	0.0	-27.05	4.52e-03	-0.04	-8.11e-05	0.09	-0.14
		-0.14	-0.09	6.63e-05	0.0	440.0	-24.37	4.52e-03	-0.04	-8.11e-05	-0.09	-0.12
106	17	-0.06	0.05	-6.76e-05	0.0	0.0	-26.66	6.90e-03	-0.02	4.35e-05	0.05	-0.09
		-0.09	-0.06	3.10e-05	0.0	440.0	-23.98	6.90e-03	-0.02	4.35e-05	-0.06	-0.06
106	18	-0.10	0.07	-9.24e-05	0.0	0.0	-26.89	5.47e-03	-0.03	-3.12e-05	0.07	-0.12
		-0.12	-0.08	5.19e-05	0.0	440.0	-24.21	5.47e-03	-0.03	-3.12e-05	-0.08	-0.10
106	28	0.84	2.98	-2.55e-03	0.0	0.0	-37.14	0.73	-1.14	-9.84e-03	2.98	-4.13
		-4.13	-2.04	3.02e-03	0.0	440.0	-34.45	0.73	-1.14	-9.84e-03	-2.04	0.84
106	29	3.88	1.88	2.37e-03	0.0	0.0	-16.65	-0.72	1.07	9.77e-03	-2.84	3.88
		-1.04	-2.84	-2.92e-03	0.0	440.0	-13.97	-0.72	1.07	9.77e-03	1.88	-1.04
106	40	-0.80	3.61	-2.45e-03	0.0	0.0	-37.86	0.64	-1.38	-8.76e-03	3.61	-3.90
		-3.90	-2.45	3.67e-03	0.0	440.0	-35.18	0.64	-1.38	-8.76e-03	-2.45	-0.80
106	41	3.66	2.29	2.27e-03	0.0	0.0	-15.93	-0.63	1.31	8.70e-03	-3.47	3.66
		0.61	-3.47	-3.56e-03	0.0	440.0	-13.25	-0.63	1.31	8.70e-03	2.29	0.61
106	60	0.62	2.28	-1.95e-03	0.0	0.0	-34.60	0.58	-0.87	-7.26e-03	2.28	-3.17
		-3.17	-1.56	2.30e-03	0.0	440.0	-31.92	0.58	-0.87	-7.26e-03	-1.56	0.62
106	61	2.93	1.41	1.76e-03	0.0	0.0	-19.19	-0.57	0.80	7.20e-03	-2.13	2.93
		-0.82	-2.13	-2.20e-03	0.0	440.0	-16.51	-0.57	0.80	7.20e-03	1.41	-0.82
106	72	-0.63	2.75	-1.88e-03	0.0	0.0	-35.19	0.50	-1.05	-6.52e-03	2.75	-3.00
		-3.00	-1.87	2.78e-03	0.0	440.0	-32.51	0.50	-1.05	-6.52e-03	-1.87	-0.63
106	73	2.75	1.72	1.69e-03	0.0	0.0	-18.60	-0.49	0.98	6.46e-03	-2.60	2.75
		0.43	-2.60	-2.68e-03	0.0	440.0	-15.92	-0.49	0.98	6.46e-03	1.72	0.43
106	92	0.54	2.03	-1.74e-03	0.0	0.0	-33.73	0.52	-0.78	-6.43e-03	2.03	-2.83
		-2.83	-1.39	2.05e-03	0.0	440.0	-31.05	0.52	-0.78	-6.43e-03	-1.39	0.54

106	93	2.59	1.24	1.56e-03	0.0	0.0	-20.06	-0.51	0.71	6.37e-03	-1.89	2.59
		-0.74	-1.89	-1.95e-03	0.0	440.0	-17.37	-0.51	0.71	6.37e-03	1.24	-0.74
106	104	-0.57	2.45	-1.68e-03	0.0	0.0	-34.26	0.45	-0.93	-5.78e-03	2.45	-2.68
		-2.68	-1.67	2.48e-03	0.0	440.0	-31.58	0.45	-0.93	-5.78e-03	-1.67	-0.57
106	105	2.43	1.51	1.49e-03	0.0	0.0	-19.53	-0.43	0.87	5.72e-03	-2.30	2.43
		0.37	-2.30	-2.37e-03	0.0	440.0	-16.85	-0.43	0.87	5.72e-03	1.51	0.37
106	124	1.03	3.57	-3.06e-03	0.0	0.0	-39.27	0.87	-1.36	-0.01	3.57	-4.93
		-4.93	-2.42	3.62e-03	0.0	440.0	-36.59	0.87	-1.36	-0.01	-2.42	1.03
106	125	4.69	2.27	2.87e-03	0.0	0.0	-14.52	-0.86	1.29	0.01	-3.42	4.69
		-1.23	-3.42	-3.52e-03	0.0	440.0	-11.84	-0.86	1.29	0.01	2.27	-1.23
106	136	-0.95	4.33	-2.94e-03	0.0	0.0	-40.15	0.76	-1.65	-0.01	4.33	-4.68
		-4.68	-2.93	4.41e-03	0.0	440.0	-37.47	0.76	-1.65	-0.01	-2.93	-0.95
106	137	4.43	2.78	2.76e-03	0.0	0.0	-13.64	-0.75	1.58	0.01	-4.19	4.43
		0.75	-4.19	-4.30e-03	0.0	440.0	-10.96	-0.75	1.58	0.01	2.78	0.75
107	2	0.13	0.56	-4.46e-04	0.0	0.0	-26.23	0.11	-0.31	-2.00e-03	0.56	-0.28
		-0.28	-0.57	3.34e-04	0.0	360.0	-23.38	0.11	-0.31	-2.00e-03	-0.57	0.13
107	3	0.03	0.26	-1.31e-04	0.0	0.0	-15.94	0.03	-0.15	-1.43e-04	0.26	-0.07
		-0.07	-0.28	1.40e-04	0.0	360.0	-13.74	0.03	-0.15	-1.43e-04	-0.28	0.03
107	4	0.14	0.49	-3.85e-04	0.0	0.0	-16.85	0.11	-0.27	-2.09e-03	0.49	-0.24
		-0.24	-0.50	3.15e-04	0.0	360.0	-14.66	0.11	-0.27	-2.09e-03	-0.50	0.14
107	9	0.02	0.24	-1.36e-04	0.0	0.0	-17.91	0.03	-0.14	-8.53e-05	0.24	-0.07
		-0.07	-0.26	1.15e-04	0.0	360.0	-15.72	0.03	-0.14	-8.53e-05	-0.26	0.02
107	10	0.09	0.39	-3.06e-04	0.0	0.0	-18.52	0.08	-0.22	-1.38e-03	0.39	-0.19
		-0.19	-0.40	2.32e-04	0.0	360.0	-16.33	0.08	-0.22	-1.38e-03	-0.40	0.09
107	13	0.01	0.19	-1.24e-04	0.0	0.0	-17.84	0.02	-0.11	-7.73e-05	0.19	-0.06
		-0.06	-0.21	6.81e-05	0.0	360.0	-15.64	0.02	-0.11	-7.73e-05	-0.21	0.01
107	14	0.05	0.26	-2.09e-04	0.0	0.0	-18.14	0.05	-0.15	-7.25e-04	0.26	-0.12
		-0.12	-0.28	1.25e-04	0.0	360.0	-15.95	0.05	-0.15	-7.25e-04	-0.28	0.05
107	17	0.01	0.19	-1.24e-04	0.0	0.0	-17.84	0.02	-0.11	-7.73e-05	0.19	-0.06
		-0.06	-0.21	6.81e-05	0.0	360.0	-15.64	0.02	-0.11	-7.73e-05	-0.21	0.01
107	18	0.04	0.23	-1.75e-04	0.0	0.0	-18.02	0.04	-0.13	-4.66e-04	0.23	-0.10
		-0.10	-0.25	1.02e-04	0.0	360.0	-15.83	0.04	-0.13	-4.66e-04	-0.25	0.04
107	27	1.50	2.06	-2.27e-03	0.0	0.0	-22.07	0.42	-1.13	-0.01	2.06	1.50
		1.01	-2.00	1.79e-03	0.0	360.0	-19.88	0.42	-1.13	-0.01	-2.00	1.01
107	30	-0.94	1.50	1.92e-03	0.0	0.0	-13.96	-0.35	0.86	9.83e-03	-1.59	-1.70
		-1.70	-1.59	-1.59e-03	0.0	360.0	-11.77	-0.35	0.86	9.83e-03	1.50	-0.94
107	40	1.17	5.86	-3.84e-03	0.0	0.0	-26.85	0.62	-3.20	-0.02	5.86	-0.81
		-0.81	-5.67	5.31e-03	0.0	360.0	-24.65	0.62	-3.20	-0.02	-5.67	1.17
107	41	0.61	5.16	3.49e-03	0.0	0.0	-9.19	-0.55	2.93	0.02	-5.40	0.61
		-1.10	-5.40	-5.11e-03	0.0	360.0	-7.00	-0.55	2.93	0.02	5.16	-1.10
107	60	1.19	3.73	-2.98e-03	0.0	0.0	-24.22	0.54	-2.04	-0.01	3.73	0.62
		0.62	-3.61	3.34e-03	0.0	360.0	-22.03	0.54	-2.04	-0.01	-3.61	1.19
107	62	-0.76	1.07	1.37e-03	0.0	0.0	-14.99	-0.27	0.62	7.09e-03	-1.15	-1.32
		-1.32	-1.15	-1.18e-03	0.0	360.0	-12.80	-0.27	0.62	7.09e-03	1.07	-0.76
107	72	0.93	4.49	-2.92e-03	0.0	0.0	-24.69	0.48	-2.45	-0.01	4.49	-0.63
		-0.63	-4.34	4.04e-03	0.0	360.0	-22.50	0.48	-2.45	-0.01	-4.34	0.93
107	73	0.44	3.84	2.57e-03	0.0	0.0	-11.34	-0.41	2.18	0.01	-4.02	0.44
		-0.86	-4.02	-3.84e-03	0.0	360.0	-9.15	-0.41	2.18	0.01	3.84	-0.86
107	92	1.07	3.34	-2.66e-03	0.0	0.0	-23.52	0.48	-1.83	-0.01	3.34	0.55
		0.55	-3.24	2.98e-03	0.0	360.0	-21.33	0.48	-1.83	-0.01	-3.24	1.07
107	94	-0.68	0.92	1.19e-03	0.0	0.0	-15.33	-0.23	0.53	6.21e-03	-0.99	-1.18
		-1.18	-0.99	-1.04e-03	0.0	360.0	-13.14	-0.23	0.53	6.21e-03	0.92	-0.68
107	104	0.83	4.01	-2.61e-03	0.0	0.0	-23.95	0.44	-2.19	-0.01	4.01	-0.57
		-0.57	-3.89	3.60e-03	0.0	360.0	-21.75	0.44	-2.19	-0.01	-3.89	0.83
107	105	0.38	3.38	2.26e-03	0.0	0.0	-12.09	-0.36	1.92	9.88e-03	-3.55	0.38
		-0.76	-3.55	-3.40e-03	0.0	360.0	-9.90	-0.36	1.92	9.88e-03	3.38	-0.76
107	123	1.82	2.42	-2.72e-03	0.0	0.0	-22.92	0.49	-1.32	-0.01	2.42	1.82
		1.17	-2.34	2.13e-03	0.0	360.0	-20.73	0.49	-1.32	-0.01	-2.34	1.17
107	126	-1.10	1.84	2.37e-03	0.0	0.0	-13.11	-0.42	1.05	0.01	-1.95	-2.02
		-2.02	-1.95	-1.93e-03	0.0	360.0	-10.92	-0.42	1.05	0.01	1.84	-1.10
107	136	1.38	7.02	-4.60e-03	0.0	0.0	-28.68	0.74	-3.83	-0.02	7.02	-0.96
		-0.96	-6.78	6.39e-03	0.0	360.0	-26.49	0.74	-3.83	-0.02	-6.78	1.38
107	137	0.76	6.28	4.25e-03	0.0	0.0	-7.35	-0.66	3.56	0.02	-6.55	0.76
		-1.31	-6.55	-6.19e-03	0.0	360.0	-5.16	-0.66	3.56	0.02	6.28	-1.31
108	2	0.13	0.44	-4.01e-04	0.0	0.0	-13.74	-0.04	-0.12	0.0	0.44	0.13
		0.0	0.0	4.87e-04	0.0	360.0	-10.89	-0.04	-0.12	0.0	0.0	0.0
108	3	0.03	0.22	-1.20e-04	0.0	0.0	-8.30	-8.98e-03	-0.06	0.0	0.22	0.03
		0.0	0.0	2.19e-04	0.0	360.0	-6.11	-8.98e-03	-0.06	0.0	0.0	0.0
108	4	0.13	0.39	-3.32e-04	0.0	0.0	-8.89	-0.04	-0.11	0.0	0.39	0.13
		0.0	0.0	4.55e-04	0.0	360.0	-6.69	-0.04	-0.11	0.0	0.0	0.0
108	9	0.02	0.20	-1.32e-04	0.0	0.0	-9.31	-6.57e-03	-0.06	0.0	0.20	0.02
		0.0	0.0	1.84e-04	0.0	360.0	-7.11	-6.57e-03	-0.06	0.0	0.0	0.0
108	10	0.09	0.31	-2.74e-04	0.0	0.0	-9.70	-0.03	-0.09	0.0	0.31	0.09
		0.0	0.0	3.41e-04	0.0	360.0	-7.50	-0.03	-0.09	0.0	0.0	0.0
108	13	0.01	0.16	-1.25e-04	0.0	0.0	-9.24	-4.10e-03	-0.04	0.0	0.16	0.01

		0.0	0.0	1.15e-04	0.0	360.0	-7.04	-4.10e-03	-0.04	0.0	0.0	0.0
108	14	0.05	0.22	-1.95e-04	0.0	0.0	-9.43	-0.01	-0.06	0.0	0.22	0.05
		0.0	0.0	1.94e-04	0.0	360.0	-7.24	-0.01	-0.06	0.0	0.0	0.0
108	17	0.01	0.16	-1.25e-04	0.0	0.0	-9.24	-4.10e-03	-0.04	0.0	0.16	0.01
		0.0	0.0	1.15e-04	0.0	360.0	-7.04	-4.10e-03	-0.04	0.0	0.0	0.0
108	18	0.04	0.19	-1.67e-04	0.0	0.0	-9.35	-9.79e-03	-0.05	0.0	0.19	0.04
		0.0	0.0	1.62e-04	0.0	360.0	-7.16	-9.79e-03	-0.05	0.0	0.0	0.0
108	28	1.47	3.19	-3.82e-03	0.0	0.0	-15.26	-0.41	-0.89	0.0	3.19	1.47
		0.0	0.0	5.33e-03	0.0	360.0	-13.07	-0.41	-0.89	0.0	0.0	0.0
108	29	0.0	0.0	3.48e-03	0.0	0.0	-3.44	0.39	0.78	0.0	-2.80	-1.40
		-1.40	-2.80	-5.01e-03	0.0	360.0	-1.25	0.39	0.78	0.0	0.0	0.0
108	40	1.17	3.82	-3.69e-03	0.0	0.0	-15.81	-0.32	-1.06	0.0	3.82	1.17
		0.0	0.0	6.42e-03	0.0	360.0	-13.62	-0.32	-1.06	0.0	0.0	0.0
108	41	0.0	0.0	3.35e-03	0.0	0.0	-2.89	0.30	0.95	0.0	-3.43	-1.10
		-1.10	-3.43	-6.10e-03	0.0	360.0	-0.70	0.30	0.95	0.0	0.0	0.0
108	60	1.19	2.46	-2.85e-03	0.0	0.0	-13.81	-0.33	-0.68	0.0	2.46	1.19
		0.0	0.0	4.08e-03	0.0	360.0	-11.62	-0.33	-0.68	0.0	0.0	0.0
108	61	0.0	0.0	2.52e-03	0.0	0.0	-4.90	0.31	0.58	0.0	-2.07	-1.12
		-1.12	-2.07	-3.75e-03	0.0	360.0	-2.70	0.31	0.58	0.0	0.0	0.0
108	72	0.93	2.93	-2.79e-03	0.0	0.0	-14.24	-0.26	-0.81	0.0	2.93	0.93
		0.0	0.0	4.90e-03	0.0	360.0	-12.05	-0.26	-0.81	0.0	0.0	0.0
108	73	0.0	0.0	2.45e-03	0.0	0.0	-4.46	0.24	0.71	0.0	-2.54	-0.86
		-0.86	-2.54	-4.57e-03	0.0	360.0	-2.27	0.24	0.71	0.0	0.0	0.0
108	92	1.07	2.21	-2.55e-03	0.0	0.0	-13.31	-0.30	-0.61	0.0	2.21	1.07
		0.0	0.0	3.64e-03	0.0	360.0	-11.12	-0.30	-0.61	0.0	0.0	0.0
108	93	0.0	0.0	2.21e-03	0.0	0.0	-5.40	0.28	0.51	0.0	-1.82	-1.00
		-1.00	-1.82	-3.31e-03	0.0	360.0	-3.20	0.28	0.51	0.0	0.0	0.0
108	104	0.83	2.63	-2.49e-03	0.0	0.0	-13.70	-0.23	-0.73	0.0	2.63	0.83
		0.0	0.0	4.37e-03	0.0	360.0	-11.51	-0.23	-0.73	0.0	0.0	0.0
108	105	0.0	0.0	2.16e-03	0.0	0.0	-5.01	0.21	0.62	0.0	-2.24	-0.76
		-0.76	-2.24	-4.04e-03	0.0	360.0	-2.81	0.21	0.62	0.0	0.0	0.0
108	124	1.73	3.80	-4.59e-03	0.0	0.0	-16.49	-0.48	-1.06	0.0	3.80	1.73
		0.0	0.0	6.39e-03	0.0	360.0	-14.30	-0.48	-1.06	0.0	0.0	0.0
108	125	0.0	0.0	4.26e-03	0.0	0.0	-2.21	0.46	0.95	0.0	-3.41	-1.65
		-1.65	-3.41	-6.07e-03	0.0	360.0	-0.02	0.46	0.95	0.0	0.0	0.0
108	136	1.38	4.57	-4.42e-03	0.0	0.0	-17.15	-0.38	-1.27	0.0	4.57	1.38
		0.0	0.0	7.72e-03	0.0	360.0	-14.96	-0.38	-1.27	0.0	0.0	0.0
108	137	0.0	0.0	4.09e-03	0.0	0.0	-1.55	0.36	1.16	0.0	-4.18	-1.31
		-1.31	-4.18	-7.39e-03	0.0	360.0	0.64	0.36	1.16	0.0	0.0	0.0
109	2	0.32	0.33	1.90e-04	0.0	0.0	-96.88	-0.08	0.03	-0.03	0.19	0.32
		-0.04	0.19	2.25e-04	0.0	440.0	-92.99	-0.08	0.03	-0.03	0.33	-0.04
109	4	0.31	0.32	1.80e-04	0.0	0.0	-70.13	-0.08	0.04	-0.04	0.16	0.31
		-0.06	0.16	2.04e-04	0.0	440.0	-67.15	-0.08	0.04	-0.04	0.32	-0.06
109	7	0.16	0.09	9.86e-05	0.0	0.0	-55.21	-0.04	0.02	0.03	0.03	0.16
		-2.29e-03	0.03	4.65e-05	0.0	440.0	-52.23	-0.04	0.02	0.03	0.09	-2.29e-03
109	10	0.22	0.23	1.30e-04	0.0	0.0	-69.72	-0.06	0.02	-0.02	0.13	0.22
		-0.03	0.13	1.56e-04	0.0	440.0	-66.73	-0.06	0.02	-0.02	0.23	-0.03
109	11	0.12	0.08	7.61e-05	0.0	0.0	-59.77	-0.03	9.36e-03	0.03	0.04	0.12
		3.95e-03	0.04	5.10e-05	0.0	440.0	-56.79	-0.03	9.36e-03	0.03	0.08	3.95e-03
109	14	0.11	0.15	6.63e-05	0.0	0.0	-65.10	-0.03	0.01	-0.01	0.09	0.11
		-0.02	0.09	1.06e-04	0.0	440.0	-62.11	-0.03	0.01	-0.01	0.15	-0.02
109	15	0.06	0.07	3.93e-05	0.0	0.0	-60.13	-0.01	5.49e-03	0.01	0.05	0.06
		-1.41e-03	0.05	5.39e-05	0.0	440.0	-57.14	-0.01	5.49e-03	0.01	0.07	-1.41e-03
109	17	0.05	0.07	3.01e-05	0.0	0.0	-60.21	-0.01	4.52e-03	6.64e-03	0.05	0.05
		-2.75e-03	0.05	5.46e-05	0.0	440.0	-57.23	-0.01	4.52e-03	6.64e-03	0.07	-2.75e-03
109	18	0.09	0.12	5.18e-05	0.0	0.0	-63.14	-0.02	9.49e-03	-6.08e-03	0.08	0.09
		-0.01	0.08	8.56e-05	0.0	440.0	-60.16	-0.02	9.49e-03	-6.08e-03	0.12	-0.01
109	19	1.89	3.09	1.08e-03	0.0	0.0	-87.25	-0.51	-0.80	-2.23	3.09	1.89
		-0.39	-0.43	1.82e-03	0.0	440.0	-84.26	-0.51	-0.80	-2.23	-0.43	-0.39
109	22	0.36	0.67	-9.79e-04	0.0	0.0	-39.04	0.46	0.81	2.22	-2.94	-1.71
		-1.71	-2.94	-1.65e-03	0.0	440.0	-36.06	0.46	0.81	2.22	0.67	0.36
109	28	5.29	6.49	3.03e-03	0.0	0.0	-77.81	-1.44	-1.72	-1.34	6.49	5.29
		-1.09	-1.12	3.77e-03	0.0	440.0	-74.82	-1.44	-1.72	-1.34	-1.12	-1.09
109	29	1.06	1.35	-2.92e-03	0.0	0.0	-48.48	1.39	1.74	1.33	-6.33	-5.11
		-5.11	-6.33	-3.59e-03	0.0	440.0	-45.50	1.39	1.74	1.33	1.35	1.06
109	40	6.42	5.80	3.67e-03	0.0	0.0	-54.48	-1.74	-1.50	0.98	5.80	6.42
		-1.31	-0.86	3.41e-03	0.0	440.0	-51.49	-1.74	-1.50	0.98	-0.86	-1.31
109	41	1.29	1.10	-3.57e-03	0.0	0.0	-71.81	1.70	1.52	-0.99	-5.65	-6.24
		-6.24	-5.65	-3.24e-03	0.0	440.0	-68.83	1.70	1.52	-0.99	1.10	1.29
109	51	1.43	2.27	8.22e-04	0.0	0.0	-80.62	-0.39	-0.58	-1.62	2.27	1.43
		-0.29	-0.29	1.36e-03	0.0	440.0	-77.63	-0.39	-0.58	-1.62	-0.29	-0.29
109	54	0.26	0.53	-7.18e-04	0.0	0.0	-45.67	0.34	0.60	1.61	-2.12	-1.25
		-1.25	-2.12	-1.18e-03	0.0	440.0	-42.69	0.34	0.60	1.61	0.53	0.26
109	60	4.03	4.80	2.30e-03	0.0	0.0	-73.79	-1.09	-1.26	-0.99	4.80	4.03
		-0.83	-0.80	2.80e-03	0.0	440.0	-70.81	-1.09	-1.26	-0.99	-0.80	-0.83

109	61	0.80	1.03	-2.20e-03	0.0	0.0	-52.50	1.05	1.28	0.97	-4.65	-3.85
		-3.85	-4.65	-2.63e-03	0.0	440.0	-49.51	1.05	1.28	0.97	1.03	0.80
109	72	4.88	4.33	2.79e-03	0.0	0.0	-56.87	-1.33	-1.11	0.70	4.33	4.88
		-1.00	-0.61	2.56e-03	0.0	440.0	-53.89	-1.33	-1.11	0.70	-0.61	-1.00
109	73	0.98	0.84	-2.68e-03	0.0	0.0	-69.42	1.28	1.13	-0.71	-4.18	-4.70
		-4.70	-4.18	-2.39e-03	0.0	440.0	-66.43	1.28	1.13	-0.71	0.84	0.98
109	83	1.28	2.02	7.35e-04	0.0	0.0	-78.57	-0.34	-0.51	-1.43	2.02	1.28
		-0.26	-0.24	1.21e-03	0.0	440.0	-75.58	-0.34	-0.51	-1.43	-0.24	-0.26
109	86	0.23	0.48	-6.31e-04	0.0	0.0	-47.72	0.30	0.53	1.42	-1.87	-1.10
		-1.10	-1.87	-1.04e-03	0.0	440.0	-44.73	0.30	0.53	1.42	0.48	0.23
109	92	3.59	4.26	2.05e-03	0.0	0.0	-72.55	-0.97	-1.12	-0.87	4.26	3.59
		-0.74	-0.69	2.49e-03	0.0	440.0	-69.57	-0.97	-1.12	-0.87	-0.69	-0.74
109	93	0.71	0.93	-1.95e-03	0.0	0.0	-53.73	0.93	1.14	0.86	-4.11	-3.41
		-3.41	-4.11	-2.32e-03	0.0	440.0	-50.75	0.93	1.14	0.86	0.93	0.71
109	104	4.34	3.84	2.48e-03	0.0	0.0	-57.61	-1.18	-0.99	0.61	3.84	4.34
		-0.89	-0.52	2.28e-03	0.0	440.0	-54.62	-1.18	-0.99	0.61	-0.52	-0.89
109	105	0.87	0.76	-2.38e-03	0.0	0.0	-68.68	1.13	1.01	-0.63	-3.69	-4.16
		-4.16	-3.69	-2.11e-03	0.0	440.0	-65.69	1.13	1.01	-0.63	0.76	0.87
109	115	2.25	3.70	1.29e-03	0.0	0.0	-92.12	-0.61	-0.96	-2.68	3.70	2.25
		-0.46	-0.54	2.18e-03	0.0	440.0	-89.14	-0.61	-0.96	-2.68	-0.54	-0.46
109	118	0.44	0.78	-1.19e-03	0.0	0.0	-34.16	0.56	0.98	2.67	-3.55	-2.07
		-2.07	-3.55	-2.01e-03	0.0	440.0	-31.18	0.56	0.98	2.67	0.78	0.44
109	124	6.33	7.83	3.62e-03	0.0	0.0	-80.83	-1.72	-2.08	-1.62	7.83	6.33
		-1.28	-1.37	4.54e-03	0.0	440.0	-77.85	-1.72	-2.08	-1.62	-1.37	-1.28
109	125	1.26	1.61	-3.52e-03	0.0	0.0	-45.46	1.67	2.10	1.61	-7.68	-6.15
		-6.15	-7.68	-4.37e-03	0.0	440.0	-42.47	1.67	2.10	1.61	1.61	1.26
109	136	7.71	6.99	4.41e-03	0.0	0.0	-52.72	-2.09	-1.82	1.18	6.99	7.71
		-1.57	-1.07	4.10e-03	0.0	440.0	-49.74	-2.09	-1.82	1.18	-1.07	-1.57
109	137	1.54	1.30	-4.31e-03	0.0	0.0	-73.57	2.05	1.84	-1.19	-6.84	-7.54
		-7.54	-6.84	-3.93e-03	0.0	440.0	-70.58	2.05	1.84	-1.19	1.30	1.54
110	2	0.46	1.37	3.34e-04	0.0	0.0	-69.17	-0.23	-0.71	-0.09	1.37	0.46
		-0.36	-1.20	7.29e-04	0.0	360.0	-65.99	-0.23	-0.71	-0.09	-1.20	-0.36
110	4	0.46	1.28	3.15e-04	0.0	0.0	-50.34	-0.23	-0.67	-0.10	1.28	0.46
		-0.38	-1.13	6.77e-04	0.0	360.0	-47.90	-0.23	-0.67	-0.10	-1.13	-0.38
110	7	0.25	0.24	1.88e-04	0.0	0.0	-42.39	-0.12	-0.11	0.04	0.24	0.25
		-0.19	-0.16	1.59e-04	0.0	360.0	-39.94	-0.12	-0.11	0.04	-0.16	-0.19
110	10	0.33	0.93	2.32e-04	0.0	0.0	-50.45	-0.16	-0.49	-0.07	0.93	0.33
		-0.25	-0.83	5.02e-04	0.0	360.0	-48.01	-0.16	-0.49	-0.07	-0.83	-0.25
110	11	0.19	0.24	1.47e-04	0.0	0.0	-45.15	-0.09	-0.12	0.03	0.24	0.19
		-0.13	-0.18	1.57e-04	0.0	360.0	-42.70	-0.09	-0.12	0.03	-0.18	-0.13
110	14	0.18	0.57	1.25e-04	0.0	0.0	-48.07	-0.08	-0.31	-0.04	0.57	0.18
		-0.11	-0.54	3.17e-04	0.0	360.0	-45.63	-0.08	-0.31	-0.04	-0.54	-0.11
110	15	0.11	0.23	8.28e-05	0.0	0.0	-45.42	-0.04	-0.12	7.70e-03	0.23	0.11
		-0.05	-0.22	1.44e-04	0.0	360.0	-42.98	-0.04	-0.12	7.70e-03	-0.22	-0.05
110	17	0.09	0.22	6.67e-05	0.0	0.0	-45.49	-0.03	-0.12	1.78e-03	0.22	0.09
		-0.03	-0.22	1.41e-04	0.0	360.0	-43.05	-0.03	-0.12	1.78e-03	-0.22	-0.03
110	18	0.14	0.43	1.02e-04	0.0	0.0	-47.04	-0.06	-0.24	-0.02	0.43	0.14
		-0.08	-0.41	2.47e-04	0.0	360.0	-44.60	-0.06	-0.24	-0.02	-0.41	-0.08
110	19	1.68	3.46	1.56e-03	0.0	0.0	-61.09	-0.90	-1.88	-1.77	3.46	1.68
		-1.58	-3.34	2.84e-03	0.0	360.0	-58.64	-0.90	-1.88	-1.77	-3.34	-1.58
110	22	1.43	2.51	-1.36e-03	0.0	0.0	-32.99	0.77	1.41	1.72	-2.59	-1.40
		-1.40	-2.59	-2.35e-03	0.0	360.0	-30.55	0.77	1.41	1.72	2.51	1.43
110	28	4.62	6.82	4.38e-03	0.0	0.0	-54.59	-2.43	-3.55	-1.25	6.82	4.62
		-4.17	-6.01	5.82e-03	0.0	360.0	-52.14	-2.43	-3.55	-1.25	-6.01	-4.17
110	40	5.53	6.48	5.31e-03	0.0	0.0	-41.62	-2.90	-3.31	0.63	6.48	5.53
		-4.93	-5.47	5.46e-03	0.0	360.0	-39.18	-2.90	-3.31	0.63	-5.47	-4.93
110	41	4.78	4.65	-5.11e-03	0.0	0.0	-52.46	2.78	2.84	-0.68	-5.62	-5.25
		-5.25	-5.62	-4.96e-03	0.0	360.0	-50.01	2.78	2.84	-0.68	4.65	4.78
110	51	1.30	2.65	1.20e-03	0.0	0.0	-57.24	-0.69	-1.44	-1.29	2.65	1.30
		-1.20	-2.55	2.15e-03	0.0	360.0	-54.79	-0.69	-1.44	-1.29	-2.55	-1.20
110	54	1.05	1.72	-9.96e-04	0.0	0.0	-36.84	0.57	0.97	1.24	-1.78	-1.02
		-1.02	-1.78	-1.65e-03	0.0	360.0	-34.40	0.57	0.97	1.24	1.72	1.05
110	60	3.53	5.16	3.34e-03	0.0	0.0	-52.52	-1.86	-2.69	-0.92	5.16	3.53
		-3.18	-4.53	4.37e-03	0.0	360.0	-50.08	-1.86	-2.69	-0.92	-4.53	-3.18
110	72	4.22	4.95	4.04e-03	0.0	0.0	-43.10	-2.21	-2.53	0.45	4.95	4.22
		-3.75	-4.17	4.14e-03	0.0	360.0	-40.65	-2.21	-2.53	0.45	-4.17	-3.75
110	73	3.59	3.34	-3.84e-03	0.0	0.0	-50.98	2.09	2.06	-0.50	-4.09	-3.94
		-3.94	-4.09	-3.64e-03	0.0	360.0	-48.54	2.09	2.06	-0.50	3.34	3.59
110	83	1.17	2.39	1.08e-03	0.0	0.0	-56.04	-0.62	-1.30	-1.14	2.39	1.17
		-1.08	-2.30	1.93e-03	0.0	360.0	-53.60	-0.62	-1.30	-1.14	-2.30	-1.08
110	86	0.92	1.47	-8.72e-04	0.0	0.0	-38.03	0.49	0.83	1.09	-1.53	-0.89
		-0.89	-1.53	-1.43e-03	0.0	360.0	-35.59	0.49	0.83	1.09	1.47	0.92
110	92	3.15	4.62	2.98e-03	0.0	0.0	-51.89	-1.66	-2.40	-0.81	4.62	3.15
		-2.83	-4.06	3.90e-03	0.0	360.0	-49.44	-1.66	-2.40	-0.81	-4.06	-2.83
110	104	3.77	4.44	3.60e-03	0.0	0.0	-43.56	-1.97	-2.27	0.39	4.44	3.77

		-3.34	-3.74	3.70e-03	0.0	360.0	-41.11	-1.97	-2.27	0.39	-3.74	-3.34
110	105	3.18	2.91	-3.40e-03	0.0	0.0	-50.52	1.85	1.80	-0.44	-3.58	-3.48
		-3.48	-3.58	-3.20e-03	0.0	360.0	-48.08	1.85	1.80	-0.44	2.91	3.18
110	115	2.00	4.08	1.86e-03	0.0	0.0	-63.92	-1.07	-2.22	-2.13	4.08	2.00
		-1.89	-3.94	3.38e-03	0.0	360.0	-61.48	-1.07	-2.22	-2.13	-3.94	-1.89
110	118	1.73	3.11	-1.66e-03	0.0	0.0	-30.16	0.94	1.75	2.08	-3.22	-1.71
		-1.71	-3.22	-2.88e-03	0.0	360.0	-27.71	0.94	1.75	2.08	3.11	1.73
110	124	5.53	8.16	5.26e-03	0.0	0.0	-56.12	-2.92	-4.25	-1.51	8.16	5.53
		-5.00	-7.18	7.00e-03	0.0	360.0	-53.68	-2.92	-4.25	-1.51	-7.18	-5.00
110	125	4.84	6.35	-5.05e-03	0.0	0.0	-37.96	2.80	3.78	1.47	-7.29	-5.25
		-5.25	-7.29	-6.50e-03	0.0	360.0	-35.51	2.80	3.78	1.47	6.35	4.84
110	136	6.65	7.75	6.39e-03	0.0	0.0	-40.52	-3.49	-3.95	0.77	7.75	6.65
		-5.93	-6.53	6.54e-03	0.0	360.0	-38.08	-3.49	-3.95	0.77	-6.53	-5.93
110	137	5.77	5.70	-6.19e-03	0.0	0.0	-53.55	3.37	3.48	-0.82	-6.88	-6.37
		-6.37	-6.88	-6.05e-03	0.0	360.0	-51.11	3.37	3.48	-0.82	5.70	5.77
111	1	0.39	-0.02	2.51e-04	0.0	0.0	-41.26	-0.19	0.04	0.06	-0.15	0.39
		-0.29	-0.15	9.23e-05	0.0	360.0	-38.08	-0.19	0.04	0.06	-0.02	-0.29
111	2	0.53	0.08	4.89e-04	0.0	0.0	-40.49	-0.16	-0.23	-0.01	0.08	0.53
		-0.06	-0.75	3.84e-04	0.0	360.0	-37.32	-0.16	-0.23	-0.01	-0.75	-0.06
111	4	0.48	0.10	4.57e-04	0.0	0.0	-29.45	-0.13	-0.24	-0.03	0.10	0.48
		9.12e-03	-0.75	3.53e-04	0.0	360.0	-27.01	-0.13	-0.24	-0.03	-0.75	9.12e-03
111	8	0.43	0.11	4.55e-04	0.0	0.0	-29.51	-0.09	-0.24	0.01	0.11	0.43
		0.10	-0.76	2.70e-04	0.0	360.0	-27.06	-0.09	-0.24	0.01	-0.76	0.10
111	9	0.31	0.05	1.84e-04	0.0	0.0	-31.13	-0.16	0.05	0.04	-0.14	0.31
		-0.27	-0.14	6.57e-05	0.0	360.0	-28.68	-0.16	0.05	0.04	0.05	-0.27
111	10	0.41	9.97e-03	3.42e-04	0.0	0.0	-30.62	-0.15	-0.12	-9.15e-03	9.97e-03	0.41
		-0.12	-0.43	2.60e-04	0.0	360.0	-28.18	-0.15	-0.12	-9.15e-03	-0.43	-0.12
111	12	0.38	0.01	3.41e-04	0.0	0.0	-30.66	-0.12	-0.13	0.02	0.01	0.38
		-0.06	-0.44	2.04e-04	0.0	360.0	-28.21	-0.12	-0.13	0.02	-0.44	-0.06
111	13	0.32	0.28	1.15e-04	0.0	0.0	-31.31	-0.21	0.14	0.02	-0.21	0.32
		-0.44	-0.21	6.22e-05	0.0	360.0	-28.86	-0.21	0.14	0.02	0.28	-0.44
111	14	0.36	0.04	1.94e-04	0.0	0.0	-31.05	-0.20	0.05	-4.80e-03	-0.14	0.36
		-0.36	-0.14	1.59e-04	0.0	360.0	-28.61	-0.20	0.05	-4.80e-03	0.04	-0.36
111	17	0.32	0.28	1.15e-04	0.0	0.0	-31.31	-0.21	0.14	0.02	-0.21	0.32
		-0.44	-0.21	6.22e-05	0.0	360.0	-28.86	-0.21	0.14	0.02	0.28	-0.44
111	18	0.35	0.14	1.62e-04	0.0	0.0	-31.15	-0.20	0.08	4.71e-03	-0.17	0.35
		-0.39	-0.17	1.20e-04	0.0	360.0	-28.71	-0.20	0.08	4.71e-03	0.14	-0.39
111	23	1.32	7.09	2.14e-03	0.0	0.0	-38.58	-1.96	-1.01	-0.70	0.90	1.32
		-6.67	0.90	3.31e-03	0.0	360.0	-36.14	-1.96	-1.01	-0.70	7.09	-6.67
111	26	5.89	-1.24	-1.82e-03	0.0	0.0	-23.72	1.55	1.18	0.71	-1.24	-0.62
		-0.62	-6.82	-3.07e-03	0.0	360.0	-21.28	1.55	1.18	0.71	-6.82	5.89
111	43	-0.85	6.20	-3.47e-03	0.0	0.0	-38.05	-1.82	1.28	0.70	-2.47	-0.85
		-6.90	-2.47	-2.92e-03	0.0	360.0	-35.61	-1.82	1.28	0.70	6.20	-6.90
111	46	6.12	2.14	3.80e-03	0.0	0.0	-24.25	1.41	-1.11	-0.69	2.14	1.54
		1.54	-5.93	3.16e-03	0.0	360.0	-21.81	1.41	-1.11	-0.69	-5.93	6.12
111	55	1.08	5.24	1.65e-03	0.0	0.0	-36.60	-1.52	-0.72	-0.53	0.65	1.08
		-5.08	0.65	2.46e-03	0.0	360.0	-34.15	-1.52	-0.72	-0.53	5.24	-5.08
111	58	4.30	-0.98	-1.33e-03	0.0	0.0	-25.71	1.11	0.89	0.54	-0.98	-0.39
		-0.39	-4.96	-2.22e-03	0.0	360.0	-23.27	1.11	0.89	0.54	-4.96	4.30
111	75	-0.57	4.57	-2.59e-03	0.0	0.0	-36.25	-1.43	0.98	0.53	-1.92	-0.57
		-5.32	-1.92	-2.16e-03	0.0	360.0	-33.81	-1.43	0.98	0.53	4.57	-5.32
111	78	4.54	1.58	2.92e-03	0.0	0.0	-26.05	1.02	-0.81	-0.52	1.58	1.26
		1.26	-4.30	2.40e-03	0.0	360.0	-23.61	1.02	-0.81	-0.52	-4.30	4.54
111	87	1.00	4.64	1.48e-03	0.0	0.0	-35.97	-1.37	-0.63	-0.47	0.56	1.00
		-4.54	0.56	2.19e-03	0.0	360.0	-33.52	-1.37	-0.63	-0.47	4.64	-4.54
111	90	3.77	-0.89	-1.16e-03	0.0	0.0	-26.34	0.96	0.80	0.48	-0.89	-0.31
		-0.31	-4.37	-1.95e-03	0.0	360.0	-23.90	0.96	0.80	0.48	-4.37	3.77
111	107	-0.47	4.06	-2.28e-03	0.0	0.0	-35.67	-1.30	0.88	0.47	-1.72	-0.47
		-4.77	-1.72	-1.90e-03	0.0	360.0	-33.23	-1.30	0.88	0.47	4.06	-4.77
111	110	3.99	1.38	2.61e-03	0.0	0.0	-26.64	0.89	-0.71	-0.46	1.38	1.16
		1.16	-3.79	2.14e-03	0.0	360.0	-24.19	0.89	-0.71	-0.46	-3.79	3.99
111	119	1.51	8.48	2.55e-03	0.0	0.0	-40.07	-2.30	-1.22	-0.83	1.13	1.51
		-7.90	1.13	3.96e-03	0.0	360.0	-37.63	-2.30	-1.22	-0.83	8.48	-7.90
111	122	7.12	-1.46	-2.23e-03	0.0	0.0	-22.23	1.89	1.39	0.83	-1.46	-0.82
		-0.82	-8.21	-3.72e-03	0.0	360.0	-19.79	1.89	1.39	0.83	-8.21	7.12
111	139	-1.10	7.43	-4.23e-03	0.0	0.0	-39.45	-2.13	1.53	0.84	-2.95	-1.10
		-8.18	-2.95	-3.56e-03	0.0	360.0	-37.01	-2.13	1.53	0.84	7.43	-8.18
111	142	7.41	2.62	4.55e-03	0.0	0.0	-22.85	1.72	-1.36	-0.83	2.62	1.79
		1.79	-7.16	3.80e-03	0.0	360.0	-20.41	1.72	-1.36	-0.83	-7.16	7.41
112	2	0.22	0.11	1.66e-04	0.0	0.0	-28.83	-0.01	3.93e-03	-5.92e-06	0.09	0.22
		0.17	0.09	2.25e-04	0.0	440.0	-25.35	-0.01	3.93e-03	-5.92e-06	0.11	0.17
112	3	0.12	0.06	9.09e-05	0.0	0.0	-19.25	-8.65e-03	0.01	1.60e-04	3.68e-03	0.12
		0.09	3.68e-03	4.84e-05	0.0	440.0	-16.57	-8.65e-03	0.01	1.60e-04	0.06	0.09
112	5	0.20	0.10	1.45e-04	0.0	0.0	-28.55	-0.02	0.03	2.80e-04	-7.63e-03	0.20
		0.13	-7.63e-03	6.78e-05	0.0	440.0	-25.07	-0.02	0.03	2.80e-04	0.10	0.13

112	6	0.26	0.11	1.88e-04	0.0	0.0	-28.74	-0.02	0.01	1.52e-04	0.06	0.26
		0.18	0.06	1.76e-04	0.0	440.0	-25.26	-0.02	0.01	1.52e-04	0.11	0.18
112	7	0.18	0.06	1.31e-04	0.0	0.0	-19.24	-0.01	0.01	2.62e-04	-4.16e-04	0.18
		0.12	-4.16e-04	4.62e-05	0.0	440.0	-16.56	-0.01	0.01	2.62e-04	0.06	0.12
112	9	0.10	0.07	7.33e-05	0.0	0.0	-20.79	-7.39e-03	0.01	1.16e-04	1.31e-03	0.10
		0.07	1.31e-03	5.22e-05	0.0	440.0	-18.11	-7.39e-03	0.01	1.16e-04	0.07	0.07
112	10	0.15	0.07	1.14e-04	0.0	0.0	-20.97	-8.38e-03	1.75e-03	-6.75e-06	0.06	0.15
		0.12	0.06	1.55e-04	0.0	440.0	-18.29	-8.38e-03	1.75e-03	-6.75e-06	0.07	0.12
112	11	0.14	0.07	9.98e-05	0.0	0.0	-20.78	-0.01	0.02	1.84e-04	-1.42e-03	0.14
		0.09	-1.42e-03	5.07e-05	0.0	440.0	-18.10	-0.01	0.02	1.84e-04	0.07	0.09
112	12	0.17	0.07	1.28e-04	0.0	0.0	-20.91	-0.01	7.02e-03	9.82e-05	0.04	0.17
		0.13	0.04	1.23e-04	0.0	440.0	-18.23	-0.01	7.02e-03	9.82e-05	0.07	0.13
112	13	0.05	0.06	3.35e-05	0.0	0.0	-20.79	-2.61e-03	0.01	1.32e-05	5.41e-03	0.05
		0.03	5.41e-03	5.44e-05	0.0	440.0	-18.11	-2.61e-03	0.01	1.32e-05	0.06	0.03
112	14	0.07	0.06	5.37e-05	0.0	0.0	-20.89	-3.10e-03	6.01e-03	-4.79e-05	0.04	0.07
		0.06	0.04	1.06e-04	0.0	440.0	-18.21	-3.10e-03	6.01e-03	-4.79e-05	0.06	0.06
112	15	0.06	0.06	4.68e-05	0.0	0.0	-20.79	-4.20e-03	0.01	4.74e-05	4.04e-03	0.06
		0.05	4.04e-03	5.36e-05	0.0	440.0	-18.11	-4.20e-03	0.01	4.74e-05	0.06	0.05
112	16	0.08	0.06	5.89e-05	0.0	0.0	-20.85	-4.50e-03	9.29e-03	1.07e-05	0.02	0.08
		0.06	0.02	8.46e-05	0.0	440.0	-18.17	-4.50e-03	9.29e-03	1.07e-05	0.06	0.06
112	17	0.05	0.06	3.35e-05	0.0	0.0	-20.79	-2.61e-03	0.01	1.32e-05	5.41e-03	0.05
		0.03	5.41e-03	5.44e-05	0.0	440.0	-18.11	-2.61e-03	0.01	1.32e-05	0.06	0.03
112	18	0.06	0.06	4.56e-05	0.0	0.0	-20.85	-2.91e-03	8.57e-03	-2.35e-05	0.02	0.06
		0.05	0.02	8.53e-05	0.0	440.0	-18.17	-2.91e-03	8.57e-03	-2.35e-05	0.06	0.05
112	28	9.57	3.41	4.91e-03	0.0	0.0	-6.15	1.06	-1.20	-0.01	3.41	9.57
		1.46	-1.89	3.78e-03	0.0	440.0	-3.47	1.06	-1.20	-0.01	-1.89	1.46
112	29	-1.36	2.01	-4.82e-03	0.0	0.0	-35.55	-1.07	1.22	0.01	-3.36	-9.45
		-9.45	-3.36	-3.61e-03	0.0	440.0	-32.87	-1.07	1.22	0.01	2.01	-1.36
112	36	12.04	2.92	6.24e-03	0.0	0.0	-7.54	-1.69	-1.02	0.02	2.92	12.04
		-1.18	-1.57	3.28e-03	0.0	440.0	-4.86	-1.69	-1.02	0.02	-1.57	-1.18
112	37	1.27	1.69	-6.15e-03	0.0	0.0	-34.16	1.69	1.04	-0.02	-2.87	-11.91
		-11.91	-2.87	-3.11e-03	0.0	440.0	-31.48	1.69	1.04	-0.02	1.69	1.27
112	60	7.06	2.52	3.64e-03	0.0	0.0	-9.97	0.78	-0.88	-0.01	2.52	7.06
		1.11	-1.37	2.81e-03	0.0	440.0	-7.29	0.78	-0.88	-0.01	-1.37	1.11
112	61	-1.01	1.50	-3.55e-03	0.0	0.0	-31.73	-0.79	0.90	0.01	-2.47	-6.94
		-6.94	-2.47	-2.64e-03	0.0	440.0	-29.05	-0.79	0.90	0.01	1.50	-1.01
112	68	8.89	2.18	4.63e-03	0.0	0.0	-10.90	-1.24	-0.75	0.01	2.18	8.89
		-0.87	-1.15	2.46e-03	0.0	440.0	-8.22	-1.24	-0.75	0.01	-1.15	-0.87
112	69	0.96	1.27	-4.54e-03	0.0	0.0	-30.80	1.24	0.77	-0.01	-2.13	-8.76
		-8.76	-2.13	-2.29e-03	0.0	440.0	-28.11	1.24	0.77	-0.01	1.27	0.96
112	92	6.26	2.23	3.23e-03	0.0	0.0	-11.22	0.69	-0.78	-9.53e-03	2.23	6.26
		0.99	-1.21	2.50e-03	0.0	440.0	-8.54	0.69	-0.78	-9.53e-03	-1.21	0.99
112	93	-0.89	1.33	-3.13e-03	0.0	0.0	-30.48	-0.70	0.80	9.49e-03	-2.18	-6.14
		-6.14	-2.18	-2.33e-03	0.0	440.0	-27.80	-0.70	0.80	9.49e-03	1.33	-0.89
112	100	7.87	1.93	4.10e-03	0.0	0.0	-12.03	-1.10	-0.67	9.59e-03	1.93	7.87
		-0.76	-1.01	2.19e-03	0.0	440.0	-9.35	-1.10	-0.67	9.59e-03	-1.01	-0.76
112	101	0.86	1.13	-4.01e-03	0.0	0.0	-29.67	1.10	0.68	-9.64e-03	-1.88	-7.75
		-7.75	-1.88	-2.02e-03	0.0	440.0	-26.99	1.10	0.68	-9.64e-03	1.13	0.86
112	124	11.54	4.11	5.92e-03	0.0	0.0	-3.06	1.28	-1.46	-0.02	4.11	11.54
		1.72	-2.29	4.56e-03	0.0	440.0	-0.38	1.28	-1.46	-0.02	-2.29	1.72
112	125	-1.63	2.42	-5.83e-03	0.0	0.0	-38.64	-1.28	1.47	0.02	-4.07	-11.42
		-11.42	-4.07	-4.39e-03	0.0	440.0	-35.96	-1.28	1.47	0.02	2.42	-1.63
112	132	14.51	3.52	7.53e-03	0.0	0.0	-4.77	-2.05	-1.23	0.02	3.52	14.51
		-1.42	-1.90	3.94e-03	0.0	440.0	-2.09	-2.05	-1.23	0.02	-1.90	-1.42
112	133	1.52	2.03	-7.44e-03	0.0	0.0	-36.93	2.04	1.25	-0.02	-3.47	-14.39
		-14.39	-3.47	-3.77e-03	0.0	440.0	-34.25	2.04	1.25	-0.02	2.03	1.52
113	2	0.18	0.58	3.52e-04	0.0	0.0	-19.45	3.84e-03	-0.30	2.99e-04	0.58	0.17
		0.17	-0.52	7.08e-04	0.0	360.0	-16.60	3.84e-03	-0.30	2.99e-04	-0.52	0.18
113	3	0.09	0.03	1.85e-04	0.0	0.0	-12.89	-4.17e-03	-0.01	3.96e-04	0.03	0.09
		0.07	-2.45e-03	1.46e-04	0.0	360.0	-10.69	-4.17e-03	-0.01	3.96e-04	-2.45e-03	0.07
113	4	0.18	0.62	3.27e-04	0.0	0.0	-13.19	5.42e-03	-0.33	2.74e-04	0.62	0.16
		0.16	-0.58	6.57e-04	0.0	360.0	-11.00	5.42e-03	-0.33	2.74e-04	-0.58	0.18
113	6	0.18	0.42	3.87e-04	0.0	0.0	-19.35	-1.18e-03	-0.22	6.13e-04	0.42	0.18
		0.18	-0.36	5.64e-04	0.0	360.0	-16.50	-1.18e-03	-0.22	6.13e-04	-0.36	0.18
113	7	0.12	0.05	2.63e-04	0.0	0.0	-12.88	-6.32e-03	-0.02	6.73e-04	0.05	0.12
		0.10	-0.02	1.56e-04	0.0	360.0	-10.69	-6.32e-03	-0.02	6.73e-04	-0.02	0.10
113	9	0.07	0.03	1.48e-04	0.0	0.0	-13.93	-3.66e-03	5.93e-03	2.71e-04	6.67e-03	0.07
		0.06	6.67e-03	1.47e-04	0.0	360.0	-11.73	-3.66e-03	5.93e-03	2.71e-04	0.03	0.06
113	10	0.13	0.40	2.42e-04	0.0	0.0	-14.13	2.73e-03	-0.21	1.90e-04	0.40	0.12
		0.12	-0.35	4.87e-04	0.0	360.0	-11.94	2.73e-03	-0.21	1.90e-04	-0.35	0.13
113	11	0.09	0.02	2.00e-04	0.0	0.0	-13.92	-5.09e-03	8.93e-04	4.55e-04	0.02	0.09
		0.07	0.02	1.53e-04	0.0	360.0	-11.73	-5.09e-03	8.93e-04	4.55e-04	0.02	0.07
113	13	0.03	0.04	6.97e-05	0.0	0.0	-13.93	-1.51e-03	0.01	-6.34e-06	-6.87e-03	0.03
		0.03	-6.87e-03	1.38e-04	0.0	360.0	-11.74	-1.51e-03	0.01	-6.34e-06	0.04	0.03
113	14	0.06	0.19	1.17e-04	0.0	0.0	-14.03	1.68e-03	-0.09	-4.69e-05	0.19	0.06

		0.06	-0.15	3.08e-04	0.0	360.0	-11.84	1.68e-03	-0.09	-4.69e-05	-0.15	0.06
113	15	0.05	0.04	9.57e-05	0.0	0.0	-13.93	-2.23e-03	0.01	8.60e-05	-2.36e-03	0.05
		0.04	-2.36e-03	1.41e-04	0.0	360.0	-11.74	-2.23e-03	0.01	8.60e-05	0.04	0.04
113	17	0.03	0.04	6.97e-05	0.0	0.0	-13.93	-1.51e-03	0.01	-6.34e-06	-6.87e-03	0.03
		0.03	-6.87e-03	1.38e-04	0.0	360.0	-11.74	-1.51e-03	0.01	-6.34e-06	0.04	0.03
113	18	0.05	0.11	9.81e-05	0.0	0.0	-13.99	4.03e-04	-0.05	-3.07e-05	0.11	0.05
		0.05	-0.07	2.40e-04	0.0	360.0	-11.80	4.03e-04	-0.05	-3.07e-05	-0.07	0.05
113	19	5.57	2.54	2.17e-03	0.0	0.0	-9.81	1.00	-1.36	-0.02	2.54	2.76
		2.76	-2.35	2.83e-03	0.0	360.0	-7.61	1.00	-1.36	-0.02	-2.35	5.57
113	22	-2.67	2.20	-1.97e-03	0.0	0.0	-18.18	-1.00	1.26	0.02	-2.32	-2.67
		-5.47	-2.32	-2.35e-03	0.0	360.0	-15.98	-1.00	1.26	0.02	2.20	-5.47
113	28	2.32	5.42	5.03e-03	0.0	0.0	-5.02	0.34	-2.92	-0.01	5.42	1.46
		1.46	-5.09	5.81e-03	0.0	360.0	-2.82	0.34	-2.92	-0.01	-5.09	2.32
113	29	-1.37	4.94	-4.84e-03	0.0	0.0	-22.97	-0.34	2.82	0.01	-5.20	-1.37
		-2.23	-5.20	-5.33e-03	0.0	360.0	-20.77	-0.34	2.82	0.01	4.94	-2.23
113	51	4.09	1.89	1.61e-03	0.0	0.0	-10.93	0.74	-1.01	-0.01	1.89	2.07
		2.07	-1.74	2.14e-03	0.0	360.0	-8.73	0.74	-1.01	-0.01	-1.74	4.09
113	54	-1.98	1.60	-1.42e-03	0.0	0.0	-17.06	-0.74	0.91	0.01	-1.67	-1.98
		-3.99	-1.67	-1.66e-03	0.0	360.0	-14.86	-0.74	0.91	0.01	1.60	-3.99
113	60	1.73	4.04	3.79e-03	0.0	0.0	-7.35	0.25	-2.17	-7.46e-03	4.04	1.11
		1.11	-3.79	4.36e-03	0.0	360.0	-5.15	0.25	-2.17	-7.46e-03	-3.79	1.73
113	61	-1.02	3.64	-3.60e-03	0.0	0.0	-20.64	-0.25	2.07	7.39e-03	-3.82	-1.02
		-1.63	-3.82	-3.88e-03	0.0	360.0	-18.45	-0.25	2.07	7.39e-03	3.64	-1.63
113	83	3.62	1.69	1.44e-03	0.0	0.0	-11.28	0.65	-0.90	-0.01	1.69	1.84
		1.84	-1.55	1.92e-03	0.0	360.0	-9.09	0.65	-0.90	-0.01	-1.55	3.62
113	86	-1.75	1.40	-1.24e-03	0.0	0.0	-16.70	-0.65	0.80	0.01	-1.46	-1.75
		-3.52	-1.46	-1.44e-03	0.0	360.0	-14.51	-0.65	0.80	0.01	1.40	-3.52
113	92	1.54	3.59	3.38e-03	0.0	0.0	-8.10	0.22	-1.93	-6.59e-03	3.59	0.99
		0.99	-3.36	3.89e-03	0.0	360.0	-5.91	0.22	-1.93	-6.59e-03	-3.36	1.54
113	93	-0.90	3.22	-3.18e-03	0.0	0.0	-19.88	-0.22	1.83	6.53e-03	-3.37	-0.90
		-1.44	-3.37	-3.41e-03	0.0	360.0	-17.69	-0.22	1.83	6.53e-03	3.22	-1.44
113	115	6.67	3.04	2.60e-03	0.0	0.0	-8.95	1.20	-1.63	-0.02	3.04	3.27
		3.27	-2.82	3.37e-03	0.0	360.0	-6.75	1.20	-1.63	-0.02	-2.82	6.67
113	118	-3.18	2.67	-2.40e-03	0.0	0.0	-19.04	-1.20	1.53	0.02	-2.82	-3.18
		-6.57	-2.82	-2.89e-03	0.0	360.0	-16.85	-1.20	1.53	0.02	2.67	-6.57
113	124	2.78	6.53	6.07e-03	0.0	0.0	-3.13	0.41	-3.52	-0.01	6.53	1.73
		1.73	-6.14	6.98e-03	0.0	360.0	-0.94	0.41	-3.52	-0.01	-6.14	2.78
113	125	-1.63	5.99	-5.87e-03	0.0	0.0	-24.85	-0.41	3.42	0.01	-6.31	-1.63
		-2.68	-6.31	-6.50e-03	0.0	360.0	-22.66	-0.41	3.42	0.01	5.99	-2.68
114	1	0.08	0.0	2.82e-04	0.0	0.0	-10.04	-0.02	0.04	0.0	-0.15	0.08
		0.0	-0.15	9.70e-05	0.0	360.0	-7.19	-0.02	0.04	0.0	0.0	0.0
114	2	0.18	0.0	5.13e-04	0.0	0.0	-10.32	-0.05	0.02	0.0	-0.07	0.18
		0.0	-0.07	4.05e-04	0.0	360.0	-7.47	-0.05	0.02	0.0	0.0	0.0
114	3	0.07	0.0	2.53e-04	0.0	0.0	-6.78	-0.02	0.03	0.0	-0.09	0.07
		0.0	-0.09	6.51e-05	0.0	360.0	-4.59	-0.02	0.03	0.0	0.0	0.0
114	4	0.18	0.0	4.83e-04	0.0	0.0	-7.06	-0.05	2.91e-03	0.0	-0.01	0.18
		0.0	-0.01	3.73e-04	0.0	360.0	-4.86	-0.05	2.91e-03	0.0	0.0	0.0
114	5	0.10	0.0	3.86e-04	0.0	0.0	-10.06	-0.03	0.04	0.0	-0.15	0.10
		0.0	-0.15	1.01e-04	0.0	360.0	-7.21	-0.03	0.04	0.0	0.0	0.0
114	9	0.06	0.0	2.01e-04	0.0	0.0	-7.31	-0.02	0.03	0.0	-0.11	0.06
		0.0	-0.11	6.93e-05	0.0	360.0	-5.12	-0.02	0.03	0.0	0.0	0.0
114	10	0.13	0.0	3.55e-04	0.0	0.0	-7.49	-0.04	0.01	0.0	-0.05	0.13
		0.0	-0.05	2.75e-04	0.0	360.0	-5.30	-0.04	0.01	0.0	0.0	0.0
114	11	0.07	0.0	2.70e-04	0.0	0.0	-7.32	-0.02	0.03	0.0	-0.11	0.07
		0.0	-0.11	7.19e-05	0.0	360.0	-5.13	-0.02	0.03	0.0	0.0	0.0
114	13	0.03	0.0	9.65e-05	0.0	0.0	-7.29	-7.97e-03	0.03	0.0	-0.11	0.03
		0.0	-0.11	6.55e-05	0.0	360.0	-5.10	-7.97e-03	0.03	0.0	0.0	0.0
114	14	0.06	0.0	1.73e-04	0.0	0.0	-7.38	-0.02	0.02	0.0	-0.08	0.06
		0.0	-0.08	1.68e-04	0.0	360.0	-5.19	-0.02	0.02	0.0	0.0	0.0
114	15	0.04	0.0	1.31e-04	0.0	0.0	-7.30	-0.01	0.03	0.0	-0.11	0.04
		0.0	-0.11	6.68e-05	0.0	360.0	-5.10	-0.01	0.03	0.0	0.0	0.0
114	17	0.03	0.0	9.65e-05	0.0	0.0	-7.29	-7.97e-03	0.03	0.0	-0.11	0.03
		0.0	-0.11	6.55e-05	0.0	360.0	-5.10	-7.97e-03	0.03	0.0	0.0	0.0
114	18	0.05	0.0	1.43e-04	0.0	0.0	-7.34	-0.01	0.03	0.0	-0.09	0.05
		0.0	-0.09	1.27e-04	0.0	360.0	-5.15	-0.01	0.03	0.0	0.0	0.0
114	19	5.56	1.46	9.25e-04	0.0	0.0	-6.05	-1.54	-0.41	0.0	1.46	5.56
		0.0	0.0	3.23e-03	0.0	360.0	-3.86	-1.54	-0.41	0.0	0.0	0.0
114	22	0.0	0.0	-6.39e-04	0.0	0.0	-8.64	1.52	0.46	0.0	-1.65	-5.46
		-5.46	-1.65	-2.98e-03	0.0	360.0	-6.45	1.52	0.46	0.0	0.0	0.0
114	28	2.32	3.18	3.55e-03	0.0	0.0	-4.99	-0.65	-0.88	0.0	3.18	2.32
		0.0	0.0	6.63e-03	0.0	360.0	-2.80	-0.65	-0.88	0.0	0.0	0.0
114	29	0.0	0.0	-3.26e-03	0.0	0.0	-9.69	0.62	0.93	0.0	-3.36	-2.22
		-2.22	-3.36	-6.37e-03	0.0	360.0	-7.50	0.62	0.93	0.0	0.0	0.0
114	51	4.08	1.05	7.68e-04	0.0	0.0	-6.40	-1.13	-0.29	0.0	1.05	4.08
		0.0	0.0	2.40e-03	0.0	360.0	-4.20	-1.13	-0.29	0.0	0.0	0.0

114	54	0.0	0.0	-4.83e-04	0.0	0.0	-8.29	1.11	0.34	0.0	-1.23	-3.98
		-3.98	-1.23	-2.14e-03	0.0	360.0	-6.10	1.11	0.34	0.0	0.0	0.0
114	60	1.73	2.33	2.78e-03	0.0	0.0	-5.61	-0.48	-0.65	0.0	2.33	1.73
		0.0	0.0	4.94e-03	0.0	360.0	-3.41	-0.48	-0.65	0.0	0.0	0.0
114	61	0.0	0.0	-2.50e-03	0.0	0.0	-9.08	0.45	0.70	0.0	-2.51	-1.63
		-1.63	-2.51	-4.69e-03	0.0	360.0	-6.89	0.45	0.70	0.0	0.0	0.0
114	83	3.61	0.92	7.02e-04	0.0	0.0	-6.51	-1.00	-0.25	0.0	0.92	3.61
		0.0	0.0	2.13e-03	0.0	360.0	-4.31	-1.00	-0.25	0.0	0.0	0.0
114	86	0.0	0.0	-4.17e-04	0.0	0.0	-8.18	0.98	0.31	0.0	-1.10	-3.51
		-3.51	-1.10	-1.88e-03	0.0	360.0	-5.99	0.98	0.31	0.0	0.0	0.0
114	92	1.54	2.05	2.49e-03	0.0	0.0	-5.81	-0.43	-0.57	0.0	2.05	1.54
		0.0	0.0	4.39e-03	0.0	360.0	-3.61	-0.43	-0.57	0.0	0.0	0.0
114	93	0.0	0.0	-2.21e-03	0.0	0.0	-8.88	0.40	0.62	0.0	-2.24	-1.44
		-1.44	-2.24	-4.14e-03	0.0	360.0	-6.69	0.40	0.62	0.0	0.0	0.0
114	115	6.64	1.79	1.09e-03	0.0	0.0	-5.78	-1.85	-0.50	0.0	1.79	6.64
		0.0	0.0	3.87e-03	0.0	360.0	-3.59	-1.85	-0.50	0.0	0.0	0.0
114	118	0.0	0.0	-8.02e-04	0.0	0.0	-8.90	1.82	0.55	0.0	-1.97	-6.54
		-6.54	-1.97	-3.62e-03	0.0	360.0	-6.71	1.82	0.55	0.0	0.0	0.0
114	124	2.77	3.86	4.23e-03	0.0	0.0	-4.50	-0.77	-1.07	0.0	3.86	2.77
		0.0	0.0	7.99e-03	0.0	360.0	-2.31	-0.77	-1.07	0.0	0.0	0.0
114	125	0.0	0.0	-3.94e-03	0.0	0.0	-10.19	0.74	1.12	0.0	-4.05	-2.67
		-2.67	-4.05	-7.74e-03	0.0	360.0	-7.99	0.74	1.12	0.0	0.0	0.0
115	1	0.02	0.07	7.29e-06	0.0	0.0	-12.42	-7.59e-03	0.08	0.0	-0.18	0.02
		0.0	-0.18	-1.23e-04	0.0	325.5	-9.84	-7.59e-03	0.08	0.0	0.07	0.0
115	2	0.07	0.31	2.13e-05	0.0	0.0	-39.79	-0.02	0.32	0.0	-0.73	0.07
		0.0	-0.73	-4.83e-04	0.0	325.5	-37.21	-0.02	0.32	0.0	0.31	0.0
115	3	0.02	0.05	5.99e-06	0.0	0.0	-9.51	-6.23e-03	0.06	0.0	-0.14	0.02
		0.0	-0.14	-9.70e-05	0.0	325.5	-7.52	-6.23e-03	0.06	0.0	0.05	0.0
115	9	0.02	0.05	5.35e-06	0.0	0.0	-9.53	-5.56e-03	0.06	0.0	-0.14	0.02
		0.0	-0.14	-9.45e-05	0.0	325.5	-7.55	-5.56e-03	0.06	0.0	0.05	0.0
115	10	0.05	0.21	1.47e-05	0.0	0.0	-27.77	-0.02	0.22	0.0	-0.50	0.05
		0.0	-0.50	-3.35e-04	0.0	325.5	-25.79	-0.02	0.22	0.0	0.21	0.0
115	13	0.01	0.05	3.94e-06	0.0	0.0	-9.51	-4.10e-03	0.06	0.0	-0.14	0.01
		0.0	-0.14	-9.16e-05	0.0	325.5	-7.53	-4.10e-03	0.06	0.0	0.05	0.0
115	14	0.03	0.13	8.60e-06	0.0	0.0	-18.63	-8.95e-03	0.14	0.0	-0.32	0.03
		0.0	-0.32	-2.12e-04	0.0	325.5	-16.65	-8.95e-03	0.14	0.0	0.13	0.0
115	17	0.01	0.05	3.94e-06	0.0	0.0	-9.51	-4.10e-03	0.06	0.0	-0.14	0.01
		0.0	-0.14	-9.16e-05	0.0	325.5	-7.53	-4.10e-03	0.06	0.0	0.05	0.0
115	18	0.02	0.10	6.74e-06	0.0	0.0	-14.98	-7.01e-03	0.11	0.0	-0.25	0.02
		0.0	-0.25	-1.64e-04	0.0	325.5	-13.00	-7.01e-03	0.11	0.0	0.10	0.0
115	28	6.29	3.52	1.86e-03	0.0	0.0	-4.10	-1.93	-1.18	0.0	3.52	6.29
		0.0	-0.31	2.82e-03	0.0	325.5	-2.11	-1.93	-1.18	0.0	-0.31	0.0
115	29	0.0	0.51	-1.84e-03	0.0	0.0	-25.87	1.92	1.39	0.0	-4.01	-6.25
		-6.25	-4.01	-3.15e-03	0.0	325.5	-23.89	1.92	1.39	0.0	0.51	0.0
115	35	0.0	0.28	-7.74e-03	0.0	0.0	-19.60	8.05	0.69	0.0	-1.95	-26.22
		-26.22	-1.95	-1.52e-03	0.0	325.5	-17.62	8.05	0.69	0.0	0.28	0.0
115	38	26.26	1.46	7.75e-03	0.0	0.0	-10.36	-8.07	-0.47	0.0	1.46	26.26
		0.0	-0.08	1.19e-03	0.0	325.5	-8.38	-8.07	-0.47	0.0	-0.08	0.0
115	60	5.21	2.53	1.54e-03	0.0	0.0	-6.95	-1.60	-0.84	0.0	2.53	5.21
		0.0	-0.20	2.04e-03	0.0	325.5	-4.97	-1.60	-0.84	0.0	-0.20	0.0
115	61	0.0	0.41	-1.53e-03	0.0	0.0	-23.02	1.59	1.05	0.0	-3.02	-5.17
		-5.17	-3.02	-2.37e-03	0.0	325.5	-21.03	1.59	1.05	0.0	0.41	0.0
115	67	0.0	0.24	-6.28e-03	0.0	0.0	-18.43	6.53	0.54	0.0	-1.53	-21.27
		-21.27	-1.53	-1.18e-03	0.0	325.5	-16.45	6.53	0.54	0.0	0.24	0.0
115	70	21.31	1.04	6.29e-03	0.0	0.0	-11.53	-6.55	-0.33	0.0	1.04	21.31
		0.0	-0.04	8.57e-04	0.0	325.5	-9.55	-6.55	-0.33	0.0	-0.04	0.0
115	92	4.64	2.21	1.37e-03	0.0	0.0	-7.87	-1.43	-0.73	0.0	2.21	4.64
		0.0	-0.17	1.79e-03	0.0	325.5	-5.89	-1.43	-0.73	0.0	-0.17	0.0
115	93	0.0	0.37	-1.36e-03	0.0	0.0	-22.10	1.41	0.94	0.0	-2.70	-4.60
		-4.60	-2.70	-2.11e-03	0.0	325.5	-20.11	1.41	0.94	0.0	0.37	0.0
115	99	0.0	0.22	-5.59e-03	0.0	0.0	-18.04	5.81	0.49	0.0	-1.38	-18.92
		-18.92	-1.38	-1.07e-03	0.0	325.5	-16.06	5.81	0.49	0.0	0.22	0.0
115	102	18.96	0.89	5.60e-03	0.0	0.0	-11.92	-5.83	-0.28	0.0	0.89	18.96
		0.0	-0.02	7.42e-04	0.0	325.5	-9.94	-5.83	-0.28	0.0	-0.02	0.0
115	124	7.01	4.31	2.07e-03	0.0	0.0	-1.82	-2.15	-1.45	0.0	4.31	7.01
		0.0	-0.40	3.45e-03	0.0	325.5	0.16	-2.15	-1.45	0.0	-0.40	0.0
115	125	0.0	0.60	-2.06e-03	0.0	0.0	-28.14	2.14	1.66	0.0	-4.80	-6.96
		-6.96	-4.80	-3.78e-03	0.0	325.5	-26.16	2.14	1.66	0.0	0.60	0.0
115	131	0.0	0.32	-8.74e-03	0.0	0.0	-20.57	9.09	0.81	0.0	-2.31	-29.59
		-29.59	-2.31	-1.80e-03	0.0	325.5	-18.59	9.09	0.81	0.0	0.32	0.0
115	134	29.64	1.82	8.75e-03	0.0	0.0	-9.39	-9.11	-0.60	0.0	1.82	29.64
		0.0	-0.12	1.48e-03	0.0	325.5	-7.41	-9.11	-0.60	0.0	-0.12	0.0
116	1	0.55	-7.45e-05	2.35e-04	0.0	0.0	-6.81	-0.12	4.44e-04	0.0	-2.18e-03	0.55
		-2.02e-03	-2.18e-03	4.72e-04	0.0	474.5	-3.05	-0.12	4.44e-04	0.0	-7.45e-05	-2.02e-03
116	2	1.97	7.15e-05	5.48e-04	0.0	0.0	-6.81	-0.42	4.57e-04	0.0	-2.10e-03	1.97

		-6.06e-03	-2.10e-03	7.12e-04	0.0	474.5	-3.05	-0.42	4.57e-04	0.0	7.15e-05	-6.06e-03
116	4	1.85	6.94e-05	5.33e-04	0.0	0.0	-5.24	-0.39	2.91e-04	0.0	-1.31e-03	1.85
		-5.80e-03	-1.31e-03	6.84e-04	0.0	474.5	-2.35	-0.39	2.91e-04	0.0	6.94e-05	-5.80e-03
116	8	1.49	7.73e-04	5.50e-04	0.0	0.0	-5.24	-0.31	-1.87e-04	0.0	7.73e-04	1.49
		-5.22e-03	-1.13e-04	8.72e-04	0.0	474.5	-2.35	-0.31	-1.87e-04	0.0	-1.13e-04	-5.22e-03
116	9	0.41	-2.34e-05	1.65e-04	0.0	0.0	-5.24	-0.09	4.57e-04	0.0	-2.19e-03	0.41
		-1.45e-03	-2.19e-03	3.19e-04	0.0	474.5	-2.35	-0.09	4.57e-04	0.0	-2.34e-05	-1.45e-03
116	10	1.36	7.39e-05	3.73e-04	0.0	0.0	-5.24	-0.29	4.67e-04	0.0	-2.14e-03	1.36
		-4.14e-03	-2.14e-03	4.79e-04	0.0	474.5	-2.35	-0.29	4.67e-04	0.0	7.39e-05	-4.14e-03
116	13	0.35	1.15e-04	5.41e-05	0.0	0.0	-5.24	-0.07	9.31e-04	0.0	-4.30e-03	0.35
		-8.18e-04	-4.30e-03	5.81e-05	0.0	474.5	-2.35	-0.07	9.31e-04	0.0	1.15e-04	-8.18e-04
116	14	0.83	1.64e-04	1.58e-04	0.0	0.0	-5.24	-0.17	9.35e-04	0.0	-4.27e-03	0.83
		-2.16e-03	-4.27e-03	1.38e-04	0.0	474.5	-2.35	-0.17	9.35e-04	0.0	1.64e-04	-2.16e-03
116	17	0.35	1.15e-04	5.41e-05	0.0	0.0	-5.24	-0.07	9.31e-04	0.0	-4.30e-03	0.35
		-8.18e-04	-4.30e-03	5.81e-05	0.0	474.5	-2.35	-0.07	9.31e-04	0.0	1.15e-04	-8.18e-04
116	18	0.64	1.45e-04	1.17e-04	0.0	0.0	-5.24	-0.13	9.33e-04	0.0	-4.28e-03	0.64
		-1.63e-03	-4.28e-03	1.06e-04	0.0	474.5	-2.35	-0.13	9.33e-04	0.0	1.45e-04	-1.63e-03
116	19	0.02	4.31	-6.06e-03	0.0	0.0	-5.24	0.61	-0.89	0.0	4.31	-2.89
		-2.89	-0.04	-1.39e-03	0.0	474.5	-2.35	0.61	-0.89	0.0	-0.04	0.02
116	20	0.04	2.51	-0.01	0.0	0.0	-5.25	1.13	-0.52	0.0	2.51	-5.33
		-5.33	-0.07	2.01e-03	0.0	474.5	-2.36	1.13	-0.52	0.0	-0.07	0.04
116	21	6.60	0.07	0.01	0.0	0.0	-5.23	-1.40	0.52	0.0	-2.52	6.60
		-0.04	-2.52	-1.80e-03	0.0	474.5	-2.34	-1.40	0.52	0.0	0.07	-0.04
116	22	4.16	0.04	6.29e-03	0.0	0.0	-5.23	-0.88	0.90	0.0	-4.32	4.16
		-0.03	-4.32	1.47e-03	0.0	474.5	-2.34	-0.88	0.90	0.0	0.04	-0.03
116	28	0.05	1.86	-0.01	0.0	0.0	-5.24	1.25	-0.39	0.0	1.86	-5.89
		-5.89	0.03	2.83e-03	0.0	474.5	-2.35	1.25	-0.39	0.0	0.03	0.05
116	29	7.17	-0.03	0.01	0.0	0.0	-5.23	-1.52	0.39	0.0	-1.87	7.17
		-0.05	-1.87	-2.62e-03	0.0	474.5	-2.34	-1.52	0.39	0.0	-0.03	-0.05
116	51	0.02	3.15	-4.33e-03	0.0	0.0	-5.24	0.42	-0.65	0.0	3.15	-1.97
		-1.97	-0.03	-9.84e-04	0.0	474.5	-2.35	0.42	-0.65	0.0	-0.03	0.02
116	52	0.03	1.84	-8.19e-03	0.0	0.0	-5.24	0.81	-0.38	0.0	1.84	-3.80
		-3.80	-0.05	1.66e-03	0.0	474.5	-2.35	0.81	-0.38	0.0	-0.05	0.03
116	53	5.08	0.05	8.42e-03	0.0	0.0	-5.23	-1.08	0.38	0.0	-1.85	5.08
		-0.03	-1.85	-1.45e-03	0.0	474.5	-2.34	-1.08	0.38	0.0	0.05	-0.03
116	54	3.25	0.03	4.56e-03	0.0	0.0	-5.23	-0.69	0.66	0.0	-3.16	3.25
		-0.02	-3.16	1.07e-03	0.0	474.5	-2.34	-0.69	0.66	0.0	0.03	-0.02
116	60	0.03	1.37	-9.41e-03	0.0	0.0	-5.24	0.90	-0.28	0.0	1.37	-4.26
		-4.26	0.02	2.23e-03	0.0	474.5	-2.35	0.90	-0.28	0.0	0.02	0.03
116	61	5.53	-0.02	9.64e-03	0.0	0.0	-5.23	-1.17	0.29	0.0	-1.38	5.53
		-0.04	-1.38	-2.02e-03	0.0	474.5	-2.34	-1.17	0.29	0.0	-0.02	-0.04
116	83	0.01	2.78	-3.81e-03	0.0	0.0	-5.24	0.36	-0.58	0.0	2.78	-1.67
		-1.67	-0.02	-8.63e-04	0.0	474.5	-2.35	0.36	-0.58	0.0	-0.02	0.01
116	84	0.02	1.63	-7.23e-03	0.0	0.0	-5.24	0.70	-0.34	0.0	1.63	-3.29
		-3.29	-0.04	1.50e-03	0.0	474.5	-2.35	0.70	-0.34	0.0	-0.04	0.02
116	85	4.57	0.04	7.46e-03	0.0	0.0	-5.23	-0.97	0.34	0.0	-1.64	4.57
		-0.03	-1.64	-1.29e-03	0.0	474.5	-2.34	-0.97	0.34	0.0	0.04	-0.03
116	86	2.94	0.02	4.04e-03	0.0	0.0	-5.24	-0.62	0.58	0.0	-2.79	2.94
		-0.02	-2.79	9.45e-04	0.0	474.5	-2.34	-0.62	0.58	0.0	0.02	-0.02
116	92	0.03	1.21	-8.31e-03	0.0	0.0	-5.24	0.79	-0.25	0.0	1.21	-3.71
		-3.71	0.02	2.00e-03	0.0	474.5	-2.35	0.79	-0.25	0.0	0.02	0.03
116	93	4.98	-0.02	8.54e-03	0.0	0.0	-5.23	-1.06	0.25	0.0	-1.22	4.98
		-0.03	-1.22	-1.79e-03	0.0	474.5	-2.34	-1.06	0.25	0.0	-0.02	-0.03
116	115	0.03	5.15	-7.36e-03	0.0	0.0	-5.24	0.76	-1.07	0.0	5.15	-3.58
		-3.58	-0.04	-1.65e-03	0.0	474.5	-2.35	0.76	-1.07	0.0	-0.04	0.03
116	116	0.05	2.99	-0.01	0.0	0.0	-5.25	1.39	-0.62	0.0	2.99	-6.53
		-6.53	-0.08	2.45e-03	0.0	474.5	-2.36	1.39	-0.62	0.0	-0.08	0.05
116	117	7.80	0.08	0.01	0.0	0.0	-5.23	-1.65	0.62	0.0	-2.99	7.80
		-0.05	-2.99	-2.24e-03	0.0	474.5	-2.34	-1.65	0.62	0.0	0.08	-0.05
116	118	4.85	0.04	7.59e-03	0.0	0.0	-5.23	-1.03	1.07	0.0	-5.16	4.85
		-0.03	-5.16	1.74e-03	0.0	474.5	-2.34	-1.03	1.07	0.0	0.04	-0.03
116	124	0.06	2.22	-0.02	0.0	0.0	-5.25	1.53	-0.46	0.0	2.22	-7.19
		-7.19	0.04	3.44e-03	0.0	474.5	-2.36	1.53	-0.46	0.0	0.04	0.06
116	125	8.46	-0.04	0.02	0.0	0.0	-5.23	-1.79	0.46	0.0	-2.23	8.46
		-0.06	-2.23	-3.23e-03	0.0	474.5	-2.34	-1.79	0.46	0.0	-0.04	-0.06
117	2	4.28	0.03	5.39e-04	0.0	0.0	-12.64	-0.90	-6.69e-03	0.0	0.03	4.28
		-5.43e-03	-1.35e-04	6.93e-04	0.0	474.5	-8.88	-0.90	-6.69e-03	0.0	-1.35e-04	-5.43e-03
117	3	0.87	0.02	2.19e-04	0.0	0.0	-9.72	-0.18	-3.47e-03	0.0	0.02	0.87
		-1.02e-03	-1.70e-04	4.16e-04	0.0	474.5	-6.83	-0.18	-3.47e-03	0.0	-1.70e-04	-1.02e-03
117	8	3.13	0.04	5.44e-04	0.0	0.0	-9.72	-0.66	-8.08e-03	0.0	0.04	3.13
		-3.97e-03	-3.33e-04	8.22e-04	0.0	474.5	-6.83	-0.66	-8.08e-03	0.0	-3.33e-04	-3.97e-03
117	9	0.85	0.01	1.63e-04	0.0	0.0	-9.72	-0.18	-2.27e-03	0.0	0.01	0.85
		-9.70e-04	-8.30e-05	3.04e-04	0.0	474.5	-6.83	-0.18	-2.27e-03	0.0	-8.30e-05	-9.70e-04
117	10	2.95	0.02	3.67e-04	0.0	0.0	-9.72	-0.62	-4.51e-03	0.0	0.02	2.95
		-3.79e-03	-8.37e-05	4.70e-04	0.0	474.5	-6.83	-0.62	-4.51e-03	0.0	-8.37e-05	-3.79e-03

117	12	2.36	0.03	3.80e-04	0.0	0.0	-9.72	-0.50	-5.34e-03	0.0	0.03	2.36
		-2.94e-03	-1.91e-04	5.74e-04	0.0	474.5	-6.83	-0.50	-5.34e-03	0.0	-1.91e-04	-2.94e-03
117	13	0.80	1.63e-04	-7.57e-05	0.0	0.0	-9.72	-0.17	-1.77e-05	0.0	1.63e-04	0.80
		-9.76e-04	7.89e-05	7.25e-05	0.0	474.5	-6.83	-0.17	-1.77e-05	0.0	7.89e-05	-9.76e-04
117	14	1.85	5.47e-03	-1.63e-04	0.0	0.0	-9.72	-0.39	-1.14e-03	0.0	5.47e-03	1.85
		-2.38e-03	7.86e-05	1.56e-04	0.0	474.5	-6.83	-0.39	-1.14e-03	0.0	7.86e-05	-2.38e-03
117	16	1.45	6.86e-03	1.51e-04	0.0	0.0	-9.72	-0.31	-1.44e-03	0.0	6.86e-03	1.45
		-1.82e-03	2.47e-05	1.99e-04	0.0	474.5	-6.83	-0.31	-1.44e-03	0.0	2.47e-05	-1.82e-03
117	17	0.80	1.63e-04	-7.57e-05	0.0	0.0	-9.72	-0.17	-1.77e-05	0.0	1.63e-04	0.80
		-9.76e-04	7.89e-05	7.25e-05	0.0	474.5	-6.83	-0.17	-1.77e-05	0.0	7.89e-05	-9.76e-04
117	18	1.43	3.34e-03	-1.28e-04	0.0	0.0	-9.72	-0.30	-6.88e-04	0.0	3.34e-03	1.43
		-1.82e-03	7.87e-05	1.22e-04	0.0	474.5	-6.83	-0.30	-6.88e-04	0.0	7.87e-05	-1.82e-03
117	19	7.34	8.27	-6.07e-03	0.0	0.0	-9.66	-1.55	-1.76	0.0	8.27	7.34
		-0.01	0.06	-4.59e-03	0.0	474.5	-6.77	-1.55	-1.76	0.0	0.06	-0.01
117	20	5.34	4.64	-0.01	0.0	0.0	-9.66	-1.13	-0.99	0.0	4.64	5.34
		-9.05e-03	0.11	-4.68e-03	0.0	474.5	-6.77	-1.13	-0.99	0.0	0.11	-9.05e-03
117	21	5.41e-03	-0.11	0.01	0.0	0.0	-9.79	0.52	0.99	0.0	-4.63	-2.48
		-2.48	-4.63	4.92e-03	0.0	474.5	-6.90	0.52	0.99	0.0	-0.11	5.41e-03
117	22	9.91e-03	-0.06	6.30e-03	0.0	0.0	-9.79	0.95	1.76	0.0	-8.26	-4.48
		-4.48	-8.26	4.74e-03	0.0	474.5	-6.89	0.95	1.76	0.0	-0.06	9.91e-03
117	27	8.19	7.12	-7.74e-03	0.0	0.0	-9.70	-1.73	-1.52	0.0	7.12	8.19
		-0.02	0.04	-3.29e-03	0.0	474.5	-6.81	-1.73	-1.52	0.0	0.04	-0.02
117	30	0.01	-0.04	7.97e-03	0.0	0.0	-9.75	1.13	1.52	0.0	-7.11	-5.33
		-5.33	-7.11	3.41e-03	0.0	474.5	-6.86	1.13	1.52	0.0	-0.04	0.01
117	51	5.92	6.06	-4.34e-03	0.0	0.0	-9.68	-1.25	-1.29	0.0	6.06	5.92
		-0.01	0.04	-3.32e-03	0.0	474.5	-6.79	-1.25	-1.29	0.0	0.04	-0.01
117	52	4.41	3.42	-8.21e-03	0.0	0.0	-9.67	-0.93	-0.73	0.0	3.42	4.41
		-7.53e-03	0.08	-3.23e-03	0.0	474.5	-6.78	-0.93	-0.73	0.0	0.08	-7.53e-03
117	53	3.89e-03	-0.08	8.43e-03	0.0	0.0	-9.77	0.33	0.73	0.0	-3.41	-1.56
		-1.56	-3.41	3.47e-03	0.0	474.5	-6.88	0.33	0.73	0.0	-0.08	3.89e-03
117	54	7.37e-03	-0.04	4.57e-03	0.0	0.0	-9.77	0.65	1.29	0.0	-6.05	-3.06
		-3.06	-6.05	3.47e-03	0.0	474.5	-6.88	0.65	1.29	0.0	-0.04	7.37e-03
117	59	6.64	5.22	-5.56e-03	0.0	0.0	-9.70	-1.40	-1.11	0.0	5.22	6.64
		-0.01	0.03	-2.38e-03	0.0	474.5	-6.81	-1.40	-1.11	0.0	0.03	-0.01
117	62	0.01	-0.03	5.79e-03	0.0	0.0	-9.75	0.80	1.11	0.0	-5.21	-3.78
		-3.78	-5.21	2.50e-03	0.0	474.5	-6.86	0.80	1.11	0.0	-0.03	0.01
117	83	5.41	5.36	-3.82e-03	0.0	0.0	-9.68	-1.14	-1.14	0.0	5.36	5.41
		-0.01	0.04	-2.92e-03	0.0	474.5	-6.79	-1.14	-1.14	0.0	0.04	-0.01
117	84	4.07	3.03	-7.24e-03	0.0	0.0	-9.68	-0.86	-0.65	0.0	3.03	4.07
		-6.90e-03	0.07	-2.82e-03	0.0	474.5	-6.79	-0.86	-0.65	0.0	0.07	-6.90e-03
117	85	3.26e-03	-0.07	7.47e-03	0.0	0.0	-9.77	0.26	0.64	0.0	-3.02	-1.22
		-1.22	-3.02	3.06e-03	0.0	474.5	-6.88	0.26	0.64	0.0	-0.07	3.26e-03
117	86	6.36e-03	-0.04	4.05e-03	0.0	0.0	-9.77	0.54	1.14	0.0	-5.35	-2.55
		-2.55	-5.35	3.07e-03	0.0	474.5	-6.88	0.54	1.14	0.0	-0.04	6.36e-03
117	91	6.07	4.61	-4.90e-03	0.0	0.0	-9.71	-1.28	-0.98	0.0	4.61	6.07
		-0.01	0.03	-2.10e-03	0.0	474.5	-6.82	-1.28	-0.98	0.0	0.03	-0.01
117	94	9.49e-03	-0.03	5.13e-03	0.0	0.0	-9.74	0.68	0.98	0.0	-4.61	-3.21
		-3.21	-4.61	2.22e-03	0.0	474.5	-6.85	0.68	0.98	0.0	-0.03	9.49e-03
117	115	8.45	9.88	-7.37e-03	0.0	0.0	-9.65	-1.78	-2.11	0.0	9.88	8.45
		-0.02	0.07	-5.45e-03	0.0	474.5	-6.76	-1.78	-2.11	0.0	0.07	-0.02
117	116	6.05	5.50	-0.01	0.0	0.0	-9.65	-1.28	-1.17	0.0	5.50	6.05
		-0.01	0.13	-5.55e-03	0.0	474.5	-6.76	-1.28	-1.17	0.0	0.13	-0.01
117	117	6.57e-03	-0.13	0.01	0.0	0.0	-9.80	0.67	1.17	0.0	-5.50	-3.19
		-3.19	-5.50	5.80e-03	0.0	474.5	-6.91	0.67	1.17	0.0	-0.13	6.57e-03
117	118	0.01	-0.07	7.60e-03	0.0	0.0	-9.80	1.18	2.11	0.0	-9.88	-5.60
		-5.60	-9.88	5.60e-03	0.0	474.5	-6.91	1.18	2.11	0.0	-0.07	0.01
117	123	9.40	8.53	-9.44e-03	0.0	0.0	-9.69	-1.99	-1.82	0.0	8.53	9.40
		-0.02	0.05	-3.92e-03	0.0	474.5	-6.80	-1.99	-1.82	0.0	0.05	-0.02
117	126	0.02	-0.05	9.67e-03	0.0	0.0	-9.76	1.38	1.82	0.0	-8.53	-6.54
		-6.54	-8.53	4.04e-03	0.0	474.5	-6.86	1.38	1.82	0.0	-0.05	0.02
118	2	0.37	3.68	1.46e-04	0.0	0.0	-91.25	-0.04	1.86	4.38e-04	-2.38	0.37
		0.25	-2.38	-6.14e-04	0.0	325.5	-88.67	-0.04	1.86	4.38e-04	3.68	0.25
118	3	0.23	0.75	8.99e-05	0.0	0.0	-35.30	-0.02	0.38	3.24e-04	-0.48	0.23
		0.15	-0.48	-1.24e-04	0.0	325.5	-33.32	-0.02	0.38	3.24e-04	0.75	0.15
118	6	0.46	2.88	1.80e-04	0.0	0.0	-78.41	-0.05	1.46	6.18e-04	-1.86	0.46
		0.30	-1.86	-4.80e-04	0.0	325.5	-75.84	-0.05	1.46	6.18e-04	2.88	0.30
118	7	0.35	0.75	1.38e-04	0.0	0.0	-35.10	-0.04	0.38	5.39e-04	-0.49	0.35
		0.23	-0.49	-1.27e-04	0.0	325.5	-33.12	-0.04	0.38	5.39e-04	0.75	0.23
118	9	0.17	0.75	6.73e-05	0.0	0.0	-36.78	-0.02	0.38	2.15e-04	-0.48	0.17
		0.11	-0.48	-1.23e-04	0.0	325.5	-34.79	-0.02	0.38	2.15e-04	0.75	0.11
118	10	0.25	2.55	9.92e-05	0.0	0.0	-64.85	-0.03	1.29	2.93e-04	-1.65	0.25
		0.17	-1.65	-4.26e-04	0.0	325.5	-62.87	-0.03	1.29	2.93e-04	2.55	0.17
118	11	0.25	0.76	9.92e-05	0.0	0.0	-36.64	-0.03	0.38	3.58e-04	-0.49	0.25
		0.16	-0.49	-1.25e-04	0.0	325.5	-34.66	-0.03	0.38	3.58e-04	0.76	0.16
118	12	0.31	2.01	1.22e-04	0.0	0.0	-56.29	-0.03	1.02	4.13e-04	-1.30	0.31

		0.20	-1.30	-3.36e-04	0.0	325.5	-54.31	-0.03	1.02	4.13e-04	2.01	0.20
118	13	0.05	0.75	1.93e-05	0.0	0.0	-36.98	-6.98e-03	0.38	0.0	-0.48	0.05
		0.03	-0.48	-1.21e-04	0.0	325.5	-35.00	-6.98e-03	0.38	0.0	0.75	0.03
118	14	0.09	1.64	3.53e-05	0.0	0.0	-51.01	-0.01	0.83	3.89e-05	-1.06	0.09
		0.06	-1.06	-2.72e-04	0.0	325.5	-49.03	-0.01	0.83	3.89e-05	1.64	0.06
118	15	0.09	0.75	3.53e-05	0.0	0.0	-36.91	-0.01	0.38	7.14e-05	-0.48	0.09
		0.06	-0.48	-1.21e-04	0.0	325.5	-34.93	-0.01	0.38	7.14e-05	0.75	0.06
118	16	0.12	1.29	4.49e-05	0.0	0.0	-45.33	-0.01	0.65	9.50e-05	-0.83	0.12
		0.07	-0.83	-2.12e-04	0.0	325.5	-43.35	-0.01	0.65	9.50e-05	1.29	0.07
118	17	0.05	0.75	1.93e-05	0.0	0.0	-36.98	-6.98e-03	0.38	0.0	-0.48	0.05
		0.03	-0.48	-1.21e-04	0.0	325.5	-35.00	-6.98e-03	0.38	0.0	0.75	0.03
118	18	0.08	1.29	2.89e-05	0.0	0.0	-45.40	-8.99e-03	0.65	2.32e-05	-0.83	0.08
		0.05	-0.83	-2.11e-04	0.0	325.5	-43.42	-8.99e-03	0.65	2.32e-05	1.29	0.05
118	28	3.02	3.99	-3.89e-03	0.0	0.0	-78.69	3.81	-1.62	-0.01	3.99	-12.90
		-12.90	-1.28	2.82e-03	0.0	325.5	-76.71	3.81	-1.62	-0.01	-1.28	3.02
118	29	13.05	3.85	3.95e-03	0.0	0.0	-12.11	-3.83	2.91	0.01	-5.64	13.05
		-2.92	-5.64	-3.13e-03	0.0	325.5	-10.12	-3.83	2.91	0.01	3.85	-2.92
118	35	-2.27	2.38	-9.56e-03	0.0	0.0	-30.96	8.95	1.65	7.76e-03	-2.98	-31.24
		-31.24	-2.98	-1.51e-03	0.0	325.5	-28.98	8.95	1.65	7.76e-03	2.38	-2.27
118	38	31.39	1.33	9.62e-03	0.0	0.0	-59.84	-8.97	-0.35	-7.71e-03	1.33	31.39
		2.36	0.20	1.20e-03	0.0	325.5	-57.86	-8.97	-0.35	-7.71e-03	0.20	2.36
118	60	2.29	2.72	-2.84e-03	0.0	0.0	-69.87	2.80	-1.02	-7.53e-03	2.72	-9.44
		-9.44	-0.61	2.04e-03	0.0	325.5	-67.89	2.80	-1.02	-7.53e-03	-0.61	2.29
118	61	9.59	3.19	2.90e-03	0.0	0.0	-20.93	-2.82	2.32	7.58e-03	-4.38	9.59
		-2.20	-4.38	-2.35e-03	0.0	325.5	-18.95	-2.82	2.32	7.58e-03	3.19	-2.20
118	67	-1.77	2.10	-6.99e-03	0.0	0.0	-34.59	6.55	1.40	5.67e-03	-2.44	-22.83
		-22.83	-2.44	-1.17e-03	0.0	325.5	-32.60	6.55	1.40	5.67e-03	2.10	-1.77
118	70	22.98	0.79	7.05e-03	0.0	0.0	-56.22	-6.57	-0.10	-5.62e-03	0.79	22.98
		1.86	0.47	8.60e-04	0.0	325.5	-54.23	-6.57	-0.10	-5.62e-03	0.47	1.86
118	92	2.04	2.32	-2.51e-03	0.0	0.0	-67.05	2.48	-0.83	-6.67e-03	2.32	-8.34
		-8.34	-0.40	1.78e-03	0.0	325.5	-65.07	2.48	-0.83	-6.67e-03	-0.40	2.04
118	93	8.49	2.97	2.57e-03	0.0	0.0	-23.75	-2.50	2.13	6.72e-03	-3.97	8.49
		-1.95	-3.97	-2.09e-03	0.0	325.5	-21.76	-2.50	2.13	6.72e-03	2.97	-1.95
118	99	-1.58	2.01	-6.18e-03	0.0	0.0	-35.81	5.79	1.31	5.02e-03	-2.26	-20.18
		-20.18	-2.26	-1.06e-03	0.0	325.5	-33.82	5.79	1.31	5.02e-03	2.01	-1.58
118	102	20.33	0.61	6.23e-03	0.0	0.0	-54.99	-5.81	-0.01	-4.97e-03	0.61	20.33
		1.67	0.56	7.46e-04	0.0	325.5	-53.01	-5.81	-0.01	-4.97e-03	0.56	1.67
118	124	3.62	4.99	-4.67e-03	0.0	0.0	-85.68	4.55	-2.09	-0.01	4.99	-15.44
		-15.44	-1.82	3.44e-03	0.0	325.5	-83.70	4.55	-2.09	-0.01	-1.82	3.62
118	125	15.59	4.39	4.72e-03	0.0	0.0	-5.12	-4.56	3.39	0.01	-6.65	15.59
		-3.52	-6.65	-3.75e-03	0.0	325.5	-3.14	-4.56	3.39	0.01	4.39	-3.52
118	131	-2.72	2.61	-0.01	0.0	0.0	-27.95	10.77	1.86	9.41e-03	-3.43	-37.66
		-37.66	-3.43	-1.79e-03	0.0	325.5	-25.97	10.77	1.86	9.41e-03	2.61	-2.72
118	134	37.81	1.78	0.01	0.0	0.0	-62.85	-10.79	-0.56	-9.37e-03	1.78	37.81
		2.81	-0.03	1.48e-03	0.0	325.5	-60.87	-10.79	-0.56	-9.37e-03	-0.03	2.81
119	2	0.19	3.16	2.98e-04	0.0	0.0	-77.87	-0.04	2.44	6.50e-04	-2.84	0.19
		0.09	-2.84	9.27e-05	0.0	245.5	-75.93	-0.04	2.44	6.50e-04	3.16	0.09
119	3	0.12	0.60	1.83e-04	0.0	0.0	-27.91	-0.02	0.47	4.13e-04	-0.56	0.12
		0.06	-0.56	2.61e-05	0.0	245.5	-26.42	-0.02	0.47	4.13e-04	0.60	0.06
119	6	0.24	2.45	3.67e-04	0.0	0.0	-65.85	-0.05	1.89	8.72e-04	-2.20	0.24
		0.12	-2.20	8.11e-05	0.0	245.5	-63.91	-0.05	1.89	8.72e-04	2.45	0.12
119	7	0.18	0.61	2.82e-04	0.0	0.0	-27.73	-0.04	0.48	7.05e-04	-0.56	0.18
		0.10	-0.56	3.00e-05	0.0	245.5	-26.24	-0.04	0.48	7.05e-04	0.61	0.10
119	9	0.08	0.59	1.35e-04	0.0	0.0	-28.89	-0.02	0.46	2.72e-04	-0.54	0.08
		0.04	-0.54	2.80e-05	0.0	245.5	-27.40	-0.02	0.46	2.72e-04	0.59	0.04
119	10	0.13	2.19	2.02e-04	0.0	0.0	-55.20	-0.03	1.69	4.28e-04	-1.97	0.13
		0.06	-1.97	6.25e-05	0.0	245.5	-53.70	-0.03	1.69	4.28e-04	2.19	0.06
119	11	0.13	0.60	2.02e-04	0.0	0.0	-28.77	-0.03	0.46	4.66e-04	-0.54	0.13
		0.07	-0.54	3.06e-05	0.0	245.5	-27.28	-0.03	0.46	4.66e-04	0.60	0.07
119	12	0.16	1.72	2.48e-04	0.0	0.0	-47.19	-0.03	1.33	5.75e-04	-1.55	0.16
		0.08	-1.55	5.47e-05	0.0	245.5	-45.69	-0.03	1.33	5.75e-04	1.72	0.08
119	13	0.02	0.59	3.56e-05	0.0	0.0	-29.07	-5.35e-03	0.45	-1.98e-05	-0.53	0.02
		5.13e-03	-0.53	2.41e-05	0.0	245.5	-27.57	-5.35e-03	0.45	-1.98e-05	0.59	5.13e-03
119	14	0.04	1.38	6.90e-05	0.0	0.0	-42.22	-9.60e-03	1.07	5.81e-05	-1.25	0.04
		0.02	-1.25	4.13e-05	0.0	245.5	-40.73	-9.60e-03	1.07	5.81e-05	1.38	0.02
119	15	0.04	0.59	6.88e-05	0.0	0.0	-29.01	-9.46e-03	0.46	7.74e-05	-0.53	0.04
		0.02	-0.53	2.54e-05	0.0	245.5	-27.51	-9.46e-03	0.46	7.74e-05	0.59	0.02
119	16	0.05	1.07	8.88e-05	0.0	0.0	-36.90	-0.01	0.83	1.24e-04	-0.96	0.05
		0.02	-0.96	3.57e-05	0.0	245.5	-35.41	-0.01	0.83	1.24e-04	1.07	0.02
119	17	0.02	0.59	3.56e-05	0.0	0.0	-29.07	-5.35e-03	0.45	-1.98e-05	-0.53	0.02
		5.13e-03	-0.53	2.41e-05	0.0	245.5	-27.57	-5.35e-03	0.45	-1.98e-05	0.59	5.13e-03
119	18	0.03	1.06	5.56e-05	0.0	0.0	-36.96	-7.90e-03	0.82	2.69e-05	-0.96	0.03
		0.01	-0.96	3.44e-05	0.0	245.5	-35.47	-7.90e-03	0.82	2.69e-05	1.06	0.01
119	19	24.12	3.36	0.03	0.0	0.0	-51.51	7.41	-1.99	3.13e-03	3.36	6.36
		6.36	-1.53	2.11e-03	0.0	245.5	-50.01	7.41	-1.99	3.13e-03	-1.53	24.12

119	22	-6.30	3.66	-0.03	0.0	0.0	-22.41	-7.43	3.64	-3.08e-03	-5.28	-6.30
		-24.10	-5.28	-2.04e-03	0.0	245.5	-20.92	-7.43	3.64	-3.08e-03	3.66	-24.10
119	28	10.01	8.33	0.03	0.0	0.0	-65.36	2.97	-5.26	-3.20e-03	8.33	2.83
		2.83	-4.60	4.48e-03	0.0	245.5	-63.87	2.97	-5.26	-3.20e-03	-4.60	10.01
119	29	-2.76	6.73	-0.03	0.0	0.0	-8.56	-2.99	6.91	3.25e-03	-10.25	-2.76
		-9.99	-10.25	-4.41e-03	0.0	245.5	-7.06	-2.99	6.91	3.25e-03	6.73	-9.99
119	51	17.69	2.20	0.02	0.0	0.0	-47.55	5.43	-1.23	2.39e-03	2.20	4.71
		4.71	-0.83	1.55e-03	0.0	245.5	-46.06	5.43	-1.23	2.39e-03	-0.83	17.69
119	54	-4.65	2.96	-0.02	0.0	0.0	-26.37	-5.45	2.88	-2.34e-03	-4.12	-4.65
		-17.66	-4.12	-1.48e-03	0.0	245.5	-24.87	-5.45	2.88	-2.34e-03	2.96	-17.66
119	60	7.40	5.89	0.02	0.0	0.0	-57.83	2.18	-3.66	-2.42e-03	5.89	2.11
		2.11	-3.11	3.32e-03	0.0	245.5	-56.33	2.18	-3.66	-2.42e-03	-3.11	7.40
119	61	-2.05	5.24	-0.02	0.0	0.0	-16.09	-2.20	5.31	2.47e-03	-7.81	-2.05
		-7.38	-7.81	-3.25e-03	0.0	245.5	-14.60	-2.20	5.31	2.47e-03	5.24	-7.38
119	83	15.64	1.83	0.02	0.0	0.0	-46.32	4.80	-0.99	2.13e-03	1.83	4.17
		4.17	-0.61	1.37e-03	0.0	245.5	-44.82	4.80	-0.99	2.13e-03	-0.61	15.64
119	86	-4.11	2.74	-0.02	0.0	0.0	-27.60	-4.82	2.64	-2.08e-03	-3.75	-4.11
		-15.62	-3.75	-1.31e-03	0.0	245.5	-26.11	-4.82	2.64	-2.08e-03	2.74	-15.62
119	92	6.56	5.10	0.02	0.0	0.0	-55.42	1.93	-3.15	-2.14e-03	5.10	1.87
		1.87	-2.63	2.94e-03	0.0	245.5	-53.93	1.93	-3.15	-2.14e-03	-2.63	6.56
119	93	-1.81	4.76	-0.02	0.0	0.0	-18.50	-1.95	4.80	2.20e-03	-7.02	-1.81
		-6.53	-7.02	-2.87e-03	0.0	245.5	-17.00	-1.95	4.80	2.20e-03	4.76	-6.53
119	115	28.82	4.25	0.03	0.0	0.0	-54.49	8.87	-2.57	3.68e-03	4.25	7.55
		7.55	-2.06	2.54e-03	0.0	245.5	-52.99	8.87	-2.57	3.68e-03	-2.06	28.82
119	118	-7.49	4.19	-0.03	0.0	0.0	-19.43	-8.89	4.22	-3.63e-03	-6.17	-7.49
		-28.80	-6.17	-2.47e-03	0.0	245.5	-17.94	-8.89	4.22	-3.63e-03	4.19	-28.80
119	124	11.89	10.28	0.03	0.0	0.0	-71.33	3.55	-6.54	-3.80e-03	10.28	3.33
		3.33	-5.79	5.41e-03	0.0	245.5	-69.83	3.55	-6.54	-3.80e-03	-5.79	11.89
119	125	-3.27	7.92	-0.03	0.0	0.0	-2.60	-3.56	8.19	3.85e-03	-12.20	-3.27
		-11.87	-12.20	-5.35e-03	0.0	245.5	-1.10	-3.56	8.19	3.85e-03	7.92	-11.87
120	1	0.03	-0.05	3.40e-04	0.0	0.0	-16.71	-0.02	-0.06	1.35e-04	-0.05	0.03
		-0.05	-0.27	1.31e-04	0.0	360.0	-13.86	-0.02	-0.06	1.35e-04	-0.27	-0.05
120	5	0.05	-0.01	5.17e-04	0.0	0.0	-16.59	-0.03	-0.10	3.66e-04	-0.01	0.05
		-0.06	-0.38	1.50e-04	0.0	360.0	-13.74	-0.03	-0.10	3.66e-04	-0.38	-0.06
120	6	0.08	-0.32	6.54e-04	0.0	0.0	-16.31	-0.04	-0.06	1.39e-04	-0.32	0.08
		-0.05	-0.52	3.89e-04	0.0	360.0	-13.46	-0.04	-0.06	1.39e-04	-0.52	-0.05
120	8	0.08	-0.34	6.33e-04	0.0	0.0	-11.73	-0.03	-0.03	1.64e-04	-0.34	0.08
		-0.04	-0.45	3.53e-04	0.0	360.0	-9.54	-0.03	-0.03	1.64e-04	-0.45	-0.04
120	9	0.02	-0.07	2.32e-04	0.0	0.0	-12.58	-0.02	-0.03	5.78e-05	-0.07	0.02
		-0.03	-0.16	9.23e-05	0.0	360.0	-10.39	-0.02	-0.03	5.78e-05	-0.16	-0.03
120	10	0.05	-0.29	3.62e-04	0.0	0.0	-12.31	-0.02	0.02	-1.58e-04	-0.36	0.05
		-0.02	-0.36	3.21e-04	0.0	360.0	-10.12	-0.02	0.02	-1.58e-04	-0.29	-0.02
120	11	0.04	-0.04	3.51e-04	0.0	0.0	-12.50	-0.02	-0.06	2.12e-04	-0.04	0.04
		-0.04	-0.24	1.05e-04	0.0	360.0	-10.30	-0.02	-0.06	2.12e-04	-0.24	-0.04
120	12	0.06	-0.25	4.41e-04	0.0	0.0	-12.31	-0.02	-0.02	6.08e-05	-0.25	0.06
		-0.03	-0.33	2.65e-04	0.0	360.0	-10.12	-0.02	-0.02	6.08e-05	-0.33	-0.03
120	13	1.48e-03	-0.04	5.45e-05	0.0	0.0	-12.70	-5.00e-03	0.02	-1.73e-04	-0.10	1.48e-03
		-0.02	-0.10	7.40e-05	0.0	360.0	-10.51	-5.00e-03	0.02	-1.73e-04	-0.04	-0.02
120	14	0.02	-0.11	1.19e-04	0.0	0.0	-12.57	-7.15e-03	0.04	-2.81e-04	-0.25	0.02
		-0.01	-0.25	1.90e-04	0.0	360.0	-10.38	-7.15e-03	0.04	-2.81e-04	-0.11	-0.01
120	15	8.38e-03	-0.08	1.14e-04	0.0	0.0	-12.66	-8.37e-03	1.86e-03	-9.62e-05	-0.09	8.38e-03
		-0.02	-0.09	7.98e-05	0.0	360.0	-10.47	-8.37e-03	1.86e-03	-9.62e-05	-0.08	-0.02
120	16	0.02	-0.12	1.53e-04	0.0	0.0	-12.58	-9.66e-03	0.02	-1.61e-04	-0.18	0.02
		-0.02	-0.18	1.48e-04	0.0	360.0	-10.39	-9.66e-03	0.02	-1.61e-04	-0.12	-0.02
120	17	1.48e-03	-0.04	5.45e-05	0.0	0.0	-12.70	-5.00e-03	0.02	-1.73e-04	-0.10	1.48e-03
		-0.02	-0.10	7.40e-05	0.0	360.0	-10.51	-5.00e-03	0.02	-1.73e-04	-0.04	-0.02
120	18	9.89e-03	-0.08	9.34e-05	0.0	0.0	-12.62	-6.29e-03	0.03	-2.38e-04	-0.19	9.89e-03
		-0.01	-0.19	1.43e-04	0.0	360.0	-10.43	-6.29e-03	0.03	-2.38e-04	-0.08	-0.01
120	19	17.88	1.76	-3.53e-03	0.0	0.0	-20.70	-5.54	-0.47	-0.03	1.76	17.88
		1.06	-1.81	3.23e-03	0.0	360.0	-18.50	-5.54	-0.47	-0.03	-1.81	1.06
120	22	-1.09	1.64	3.71e-03	0.0	0.0	-4.55	5.53	0.53	0.03	-2.14	-17.86
		-17.86	-2.14	-2.95e-03	0.0	360.0	-2.36	5.53	0.53	0.03	1.64	-1.09
120	28	7.64	4.74	-3.63e-03	0.0	0.0	-27.82	-2.30	-1.51	-0.01	4.74	7.64
		2.30	-2.35	6.61e-03	0.0	360.0	-25.63	-2.30	-1.51	-0.01	-2.35	2.30
120	29	-2.33	2.18	3.81e-03	0.0	0.0	2.58	2.29	1.57	0.01	-5.12	-7.62
		-7.62	-5.12	-6.33e-03	0.0	360.0	4.77	2.29	1.57	0.01	2.18	-2.33
120	51	13.09	1.25	-2.52e-03	0.0	0.0	-18.50	-4.05	-0.36	-0.02	1.25	13.09
		0.77	-1.37	2.40e-03	0.0	360.0	-16.30	-4.05	-0.36	-0.02	-1.37	0.77
120	54	-0.80	1.20	2.70e-03	0.0	0.0	-6.75	4.04	0.42	0.02	-1.63	-13.07
		-13.07	-1.63	-2.12e-03	0.0	360.0	-4.56	4.04	0.42	0.02	1.20	-0.80
120	60	5.62	3.47	-2.48e-03	0.0	0.0	-23.78	-1.69	-1.14	-0.01	3.47	5.62
		1.72	-1.81	4.93e-03	0.0	360.0	-21.59	-1.69	-1.14	-0.01	-1.81	1.72
120	61	-1.75	1.65	2.67e-03	0.0	0.0	-1.46	1.68	1.20	0.01	-3.85	-5.60
		-5.60	-3.85	-4.65e-03	0.0	360.0	0.73	1.68	1.20	0.01	1.65	-1.75
120	83	11.57	1.09	-2.21e-03	0.0	0.0	-17.81	-3.58	-0.32	-0.02	1.09	11.57

		0.68	-1.22	2.14e-03	0.0	360.0	-15.62	-3.58	-0.32	-0.02	-1.22	0.68
120	86	-0.71	1.05	2.39e-03	0.0	0.0	-7.44	3.57	0.37	0.02	-1.47	-11.55
		-11.55	-1.47	-1.86e-03	0.0	360.0	-5.24	3.57	0.37	0.02	1.05	-0.71
120	92	4.98	3.06	-2.17e-03	0.0	0.0	-22.50	-1.50	-1.01	-9.44e-03	3.06	4.98
		1.53	-1.62	4.38e-03	0.0	360.0	-20.30	-1.50	-1.01	-9.44e-03	-1.62	1.53
120	93	-1.55	1.45	2.36e-03	0.0	0.0	-2.75	1.49	1.07	8.96e-03	-3.43	-4.96
		-4.96	-3.43	-4.10e-03	0.0	360.0	-0.56	1.49	1.07	8.96e-03	1.45	-1.55
120	115	21.39	2.17	-4.18e-03	0.0	0.0	-22.35	-6.63	-0.57	-0.03	2.17	21.39
		1.28	-2.14	3.87e-03	0.0	360.0	-20.16	-6.63	-0.57	-0.03	-2.14	1.28
120	118	-1.30	1.98	4.36e-03	0.0	0.0	-2.90	6.62	0.63	0.03	-2.55	-21.37
		-21.37	-2.55	-3.59e-03	0.0	360.0	-0.70	6.62	0.63	0.03	1.98	-1.30
120	124	9.10	5.77	-4.35e-03	0.0	0.0	-31.01	-2.75	-1.82	-0.02	5.77	9.10
		2.78	-2.78	7.97e-03	0.0	360.0	-28.82	-2.75	-1.82	-0.02	-2.78	2.78
120	125	-2.80	2.62	4.53e-03	0.0	0.0	5.76	2.74	1.88	0.02	-6.15	-9.08
		-9.08	-6.15	-7.69e-03	0.0	360.0	7.96	2.74	1.88	0.02	2.62	-2.80
121	2	0.48	0.25	1.26e-05	0.0	0.0	-66.34	-0.06	0.14	3.72e-04	0.14	0.48
		0.44	0.14	1.32e-05	0.0	80.0	-65.70	-0.06	0.14	3.72e-04	0.25	0.44
121	3	0.34	0.06	8.70e-06	0.0	0.0	-28.03	-0.05	-0.03	3.98e-04	0.06	0.34
		0.30	0.03	3.85e-06	0.0	80.0	-27.55	-0.05	-0.03	3.98e-04	0.03	0.30
121	6	0.64	0.19	1.66e-05	0.0	0.0	-53.75	-0.09	0.13	6.58e-04	0.09	0.64
		0.57	0.09	9.30e-06	0.0	80.0	-53.11	-0.09	0.13	6.58e-04	0.19	0.57
121	7	0.54	0.04	1.37e-05	0.0	0.0	-21.53	-0.09	0.03	6.80e-04	0.02	0.54
		0.47	0.02	1.85e-06	0.0	80.0	-21.05	-0.09	0.03	6.80e-04	0.04	0.47
121	9	0.24	0.09	6.25e-06	0.0	0.0	-34.19	-0.04	-0.07	2.55e-04	0.09	0.24
		0.21	0.03	5.31e-06	0.0	80.0	-33.70	-0.04	-0.07	2.55e-04	0.03	0.21
121	10	0.33	0.17	8.49e-06	0.0	0.0	-47.72	-0.04	0.08	2.47e-04	0.10	0.33
		0.30	0.10	9.44e-06	0.0	80.0	-47.23	-0.04	0.08	2.47e-04	0.17	0.30
121	11	0.37	0.06	9.61e-06	0.0	0.0	-29.85	-0.06	-0.03	4.42e-04	0.06	0.37
		0.33	0.03	3.97e-06	0.0	80.0	-29.36	-0.06	-0.03	4.42e-04	0.03	0.33
121	12	0.43	0.13	1.12e-05	0.0	0.0	-39.32	-0.06	0.08	4.37e-04	0.07	0.43
		0.39	0.07	6.87e-06	0.0	80.0	-38.84	-0.06	0.08	4.37e-04	0.13	0.39
121	13	0.05	0.13	1.21e-06	0.0	0.0	-40.69	-3.99e-03	-0.13	-2.66e-05	0.13	0.05
		0.04	0.03	7.31e-06	0.0	80.0	-40.20	-3.99e-03	-0.13	-2.66e-05	0.03	0.04
121	14	0.09	0.14	2.34e-06	0.0	0.0	-47.45	-4.72e-03	-0.05	-3.07e-05	0.14	0.09
		0.08	0.09	9.37e-06	0.0	80.0	-46.96	-4.72e-03	-0.05	-3.07e-05	0.09	0.08
121	15	0.11	0.12	2.89e-06	0.0	0.0	-38.52	-0.01	-0.11	6.72e-05	0.12	0.11
		0.10	0.03	6.64e-06	0.0	80.0	-38.03	-0.01	-0.11	6.72e-05	0.03	0.10
121	16	0.14	0.12	3.57e-06	0.0	0.0	-42.58	-0.02	-0.07	6.48e-05	0.12	0.14
		0.13	0.07	7.88e-06	0.0	80.0	-42.09	-0.02	-0.07	6.48e-05	0.07	0.13
121	17	0.05	0.13	1.21e-06	0.0	0.0	-40.69	-3.99e-03	-0.13	-2.66e-05	0.13	0.05
		0.04	0.03	7.31e-06	0.0	80.0	-40.20	-3.99e-03	-0.13	-2.66e-05	0.03	0.04
121	18	0.07	0.14	1.89e-06	0.0	0.0	-44.75	-4.43e-03	-0.09	-2.90e-05	0.14	0.07
		0.07	0.07	8.55e-06	0.0	80.0	-44.26	-4.43e-03	-0.09	-2.90e-05	0.07	0.07
121	31	-12.92	3.52	-4.06e-04	0.0	0.0	-512.71	4.24	-2.02	0.03	3.52	-16.29
		-16.29	1.43	2.35e-04	0.0	80.0	-512.23	4.24	-2.02	0.03	1.43	-12.92
121	34	16.43	-1.29	4.09e-04	0.0	0.0	423.22	-4.25	1.85	-0.03	-3.25	16.43
		13.06	-3.25	-2.17e-04	0.0	80.0	423.71	-4.25	1.85	-0.03	-1.29	13.06
121	35	-15.08	2.72	-4.75e-04	0.0	0.0	-405.08	5.04	-1.59	0.04	2.72	-19.07
		-19.07	-1.06	-7.89e-05	0.0	80.0	-404.59	5.04	-1.59	0.04	-1.06	-15.08
121	38	19.21	1.19	4.78e-04	0.0	0.0	315.59	-5.05	1.42	-0.04	-2.45	19.21
		15.22	-2.45	9.60e-05	0.0	80.0	316.07	-5.05	1.42	-0.04	1.19	15.22
121	63	-9.45	2.59	-2.97e-04	0.0	0.0	-384.51	3.11	-1.49	0.02	2.59	-11.91
		-11.91	1.07	1.73e-04	0.0	80.0	-384.02	3.11	-1.49	0.02	1.07	-9.45
121	66	12.05	-0.93	3.00e-04	0.0	0.0	295.01	-3.11	1.32	-0.02	-2.32	12.05
		9.59	-2.32	-1.56e-04	0.0	80.0	295.50	-3.11	1.32	-0.02	-0.93	9.59
121	67	-11.03	2.03	-3.47e-04	0.0	0.0	-307.89	3.68	-1.18	0.03	2.03	-13.93
		-13.93	-0.78	-5.63e-05	0.0	80.0	-307.41	3.68	-1.18	0.03	-0.78	-11.03
121	70	14.08	0.91	3.51e-04	0.0	0.0	218.40	-3.68	1.01	-0.03	-1.76	14.08
		11.16	-1.76	7.34e-05	0.0	80.0	218.89	-3.68	1.01	-0.03	0.91	11.16
121	95	-8.35	2.31	-2.62e-04	0.0	0.0	-344.94	2.75	-1.32	0.02	2.31	-10.52
		-10.52	0.95	1.54e-04	0.0	80.0	-344.45	2.75	-1.32	0.02	0.95	-8.35
121	98	10.67	-0.82	2.66e-04	0.0	0.0	255.45	-2.76	1.15	-0.02	-2.04	10.67
		8.49	-2.04	-1.37e-04	0.0	80.0	255.94	-2.76	1.15	-0.02	-0.82	8.49
121	99	-9.74	1.81	-3.06e-04	0.0	0.0	-277.34	3.25	-1.05	0.03	1.81	-12.31
		-12.31	-0.69	-4.89e-05	0.0	80.0	-276.85	3.25	-1.05	0.03	-0.69	-9.74
121	102	12.46	0.82	3.10e-04	0.0	0.0	187.85	-3.26	0.88	-0.03	-1.54	12.46
		9.88	-1.54	6.60e-05	0.0	80.0	188.33	-3.26	0.88	-0.03	0.82	9.88
121	127	-15.59	4.23	-4.89e-04	0.0	0.0	-611.34	5.10	-2.43	0.04	4.23	-19.64
		-19.64	1.71	2.82e-04	0.0	80.0	-610.85	5.10	-2.43	0.04	1.71	-15.59
121	130	19.78	-1.58	4.93e-04	0.0	0.0	521.85	-5.11	2.26	-0.04	-3.96	19.78
		15.73	-3.96	-2.65e-04	0.0	80.0	522.33	-5.11	2.26	-0.04	-1.58	15.73
121	131	-18.21	3.26	-5.73e-04	0.0	0.0	-479.50	6.07	-1.90	0.05	3.26	-23.02
		-23.02	-1.29	-9.71e-05	0.0	80.0	-479.02	6.07	-1.90	0.05	-1.29	-18.21
121	134	23.16	1.42	5.77e-04	0.0	0.0	390.01	-6.08	1.73	-0.05	-2.99	23.16
		18.34	-2.99	1.14e-04	0.0	80.0	390.50	-6.08	1.73	-0.05	1.42	18.34

122	2	0.23	2.36	3.68e-04	0.0	0.0	-35.63	-0.07	1.37	1.19e-03	-1.00	0.23
		0.05	-1.00	9.70e-05	0.0	245.5	-33.69	-0.07	1.37	1.19e-03	2.36	0.05
122	3	0.11	0.45	2.21e-04	0.0	0.0	-15.61	-0.03	0.26	4.53e-04	-0.20	0.11
		0.03	-0.20	2.68e-05	0.0	245.5	-14.11	-0.03	0.26	4.53e-04	0.45	0.03
122	6	0.25	1.84	4.53e-04	0.0	0.0	-29.88	-0.07	1.07	1.20e-03	-0.79	0.25
		0.07	-0.79	8.45e-05	0.0	245.5	-27.94	-0.07	1.07	1.20e-03	1.84	0.07
122	7	0.16	0.47	3.44e-04	0.0	0.0	-13.04	-0.04	0.28	6.63e-04	-0.22	0.16
		0.06	-0.22	3.09e-05	0.0	245.5	-11.54	-0.04	0.28	6.63e-04	0.47	0.06
122	9	0.08	0.44	1.62e-04	0.0	0.0	-18.46	-0.02	0.25	3.55e-04	-0.18	0.08
		0.02	-0.18	2.86e-05	0.0	245.5	-16.96	-0.02	0.25	3.55e-04	0.44	0.02
122	10	0.16	1.63	2.49e-04	0.0	0.0	-25.52	-0.05	0.95	8.09e-04	-0.69	0.16
		0.03	-0.69	6.54e-05	0.0	245.5	-24.02	-0.05	0.95	8.09e-04	1.63	0.03
122	11	0.12	0.45	2.44e-04	0.0	0.0	-16.74	-0.03	0.26	4.95e-04	-0.19	0.12
		0.04	-0.19	3.13e-05	0.0	245.5	-15.25	-0.03	0.26	4.95e-04	0.45	0.04
122	12	0.17	1.28	3.05e-04	0.0	0.0	-21.68	-0.05	0.75	8.13e-04	-0.55	0.17
		0.05	-0.55	5.71e-05	0.0	245.5	-20.19	-0.05	0.75	8.13e-04	1.28	0.05
122	13	0.03	0.42	3.84e-05	0.0	0.0	-21.03	-0.01	0.24	1.45e-04	-0.16	0.03
		-4.17e-03	-0.16	2.46e-05	0.0	245.5	-19.54	-0.01	0.24	1.45e-04	0.42	-4.17e-03
122	14	0.07	1.02	8.21e-05	0.0	0.0	-24.56	-0.03	0.58	3.72e-04	-0.41	0.07
		1.88e-03	-0.41	4.30e-05	0.0	245.5	-23.07	-0.03	0.58	3.72e-04	1.02	1.88e-03
122	15	0.05	0.43	7.96e-05	0.0	0.0	-20.18	-0.02	0.24	2.15e-04	-0.16	0.05
		4.24e-03	-0.16	2.59e-05	0.0	245.5	-18.68	-0.02	0.24	2.15e-04	0.43	4.24e-03
122	16	0.07	0.79	1.06e-04	0.0	0.0	-22.29	-0.03	0.45	3.51e-04	-0.32	0.07
		7.87e-03	-0.32	3.70e-05	0.0	245.5	-20.80	-0.03	0.45	3.51e-04	0.79	7.87e-03
122	17	0.03	0.42	3.84e-05	0.0	0.0	-21.03	-0.01	0.24	1.45e-04	-0.16	0.03
		-4.17e-03	-0.16	2.46e-05	0.0	245.5	-19.54	-0.01	0.24	1.45e-04	0.42	-4.17e-03
122	18	0.05	0.78	6.46e-05	0.0	0.0	-23.15	-0.02	0.44	2.82e-04	-0.31	0.05
		-5.38e-04	-0.31	3.56e-05	0.0	245.5	-21.66	-0.02	0.44	2.82e-04	0.78	-5.38e-04
122	19	10.91	3.20	0.02	0.0	0.0	-188.20	-1.57	-2.03	0.02	3.20	4.36
		4.36	-1.80	2.10e-03	0.0	245.5	-186.70	-1.57	-2.03	0.02	-1.80	10.91
122	22	-4.25	3.36	-0.02	0.0	0.0	141.90	1.53	2.92	-0.02	-3.82	-4.25
		-10.91	-3.82	-2.03e-03	0.0	245.5	143.39	1.53	2.92	-0.02	3.36	-10.91
122	27	9.45	4.20	0.02	0.0	0.0	-209.70	-1.36	-2.79	0.02	4.20	3.42
		3.42	-2.64	2.64e-03	0.0	245.5	-208.20	-1.36	-2.79	0.02	-2.64	9.45
122	28	4.81	7.05	0.02	0.0	0.0	-143.99	-2.78	-4.79	7.56e-03	7.05	1.81
		1.81	-4.71	4.46e-03	0.0	245.5	-142.50	-2.78	-4.79	7.56e-03	-4.71	4.81
122	29	-1.70	6.27	-0.02	0.0	0.0	97.69	2.74	5.68	-7.00e-03	-7.68	-1.70
		-4.81	-7.68	-4.39e-03	0.0	245.5	99.19	2.74	5.68	-7.00e-03	6.27	-4.81
122	30	-3.31	4.20	-0.02	0.0	0.0	163.40	1.31	3.67	-0.02	-4.83	-3.31
		-9.45	-4.83	-2.57e-03	0.0	245.5	164.89	1.31	3.67	-0.02	4.20	-9.45
122	51	7.99	2.25	0.01	0.0	0.0	-143.39	-1.15	-1.36	0.02	2.25	3.24
		3.24	-1.10	1.54e-03	0.0	245.5	-141.90	-1.15	-1.36	0.02	-1.10	7.99
122	54	-3.14	2.66	-0.01	0.0	0.0	97.09	1.11	2.25	-0.02	-2.87	-3.14
		-7.99	-2.87	-1.47e-03	0.0	245.5	98.59	1.11	2.25	-0.02	2.66	-7.99
122	59	6.93	2.98	0.01	0.0	0.0	-159.13	-1.00	-1.91	0.01	2.98	2.55
		2.55	-1.72	1.94e-03	0.0	245.5	-157.63	-1.00	-1.91	0.01	-1.72	6.93
122	60	3.55	5.11	0.01	0.0	0.0	-110.85	-2.06	-3.41	5.55e-03	5.11	1.37
		1.37	-3.26	3.30e-03	0.0	245.5	-109.35	-2.06	-3.41	5.55e-03	-3.26	3.55
122	61	-1.26	4.82	-0.01	0.0	0.0	64.55	2.01	4.29	-4.98e-03	-5.73	-1.26
		-3.55	-5.73	-3.23e-03	0.0	245.5	66.04	2.01	4.29	-4.98e-03	4.82	-3.55
122	62	-2.45	3.28	-0.01	0.0	0.0	112.83	0.96	2.80	-0.01	-3.61	-2.45
		-6.93	-3.61	-1.87e-03	0.0	245.5	114.32	0.96	2.80	-0.01	3.28	-6.93
122	83	7.07	1.95	0.01	0.0	0.0	-129.39	-1.02	-1.15	0.01	1.95	2.87
		2.87	-0.88	1.37e-03	0.0	245.5	-127.89	-1.02	-1.15	0.01	-0.88	7.07
122	86	-2.77	2.44	-0.01	0.0	0.0	83.08	0.98	2.04	-0.01	-2.57	-2.77
		-7.07	-2.57	-1.30e-03	0.0	245.5	84.58	0.98	2.04	-0.01	2.44	-7.07
122	91	6.13	2.60	9.90e-03	0.0	0.0	-143.36	-0.89	-1.64	0.01	2.60	2.26
		2.26	-1.43	1.72e-03	0.0	245.5	-141.86	-0.89	-1.64	0.01	-1.43	6.13
122	92	3.14	4.49	0.01	0.0	0.0	-100.65	-1.82	-2.96	4.93e-03	4.49	1.22
		1.22	-2.80	2.93e-03	0.0	245.5	-99.15	-1.82	-2.96	4.93e-03	-2.80	3.14
122	93	-1.11	4.36	-0.01	0.0	0.0	54.34	1.78	3.85	-4.37e-03	-5.11	-1.11
		-3.14	-5.11	-2.86e-03	0.0	245.5	55.84	1.78	3.85	-4.37e-03	4.36	-3.14
122	94	-2.16	2.99	-9.77e-03	0.0	0.0	97.06	0.84	2.53	-0.01	-3.22	-2.16
		-6.13	-3.22	-1.65e-03	0.0	245.5	98.55	0.84	2.53	-0.01	2.99	-6.13
122	115	13.06	3.92	0.02	0.0	0.0	-222.12	-1.88	-2.54	0.03	3.92	5.17
		5.17	-2.33	2.52e-03	0.0	245.5	-220.62	-1.88	-2.54	0.03	-2.33	13.06
122	118	-5.06	3.89	-0.02	0.0	0.0	175.82	1.84	3.43	-0.03	-4.54	-5.06
		-13.06	-4.54	-2.45e-03	0.0	245.5	177.31	1.84	3.43	-0.03	3.89	-13.06
122	123	11.32	5.16	0.02	0.0	0.0	-248.91	-1.62	-3.47	0.02	5.16	4.06
		4.06	-3.36	3.19e-03	0.0	245.5	-247.42	-1.62	-3.47	0.02	-3.36	11.32
122	124	5.73	8.60	0.02	0.0	0.0	-169.58	-3.34	-5.89	9.08e-03	8.60	2.13
		2.13	-5.86	5.39e-03	0.0	245.5	-168.09	-3.34	-5.89	9.08e-03	-5.86	5.73
122	125	-2.02	7.42	-0.02	0.0	0.0	123.28	3.30	6.78	-8.52e-03	-9.22	-2.02
		-5.73	-9.22	-5.32e-03	0.0	245.5	124.78	3.30	6.78	-8.52e-03	7.42	-5.73
122	126	-3.95	4.92	-0.02	0.0	0.0	202.61	1.58	4.36	-0.02	-5.78	-3.95

		-11.32	-5.78	-3.12e-03	0.0	245.5	204.11	1.58	4.36	-0.02	4.92	-11.32
123	1	-2.11e-03	0.12	3.54e-04	0.0	0.0	-10.85	0.01	0.10	1.58e-04	-0.23	-0.04
		-0.04	-0.23	1.10e-04	0.0	360.0	-8.00	0.01	0.10	1.58e-04	0.12	-2.11e-03
123	2	-3.18e-03	0.31	5.29e-04	0.0	0.0	-10.61	0.03	0.30	4.17e-04	-0.76	-0.12
		-0.12	-0.76	4.62e-04	0.0	360.0	-7.76	0.03	0.30	4.17e-04	0.31	-3.18e-03
123	3	-1.86e-03	0.13	3.34e-04	0.0	0.0	-6.48	8.34e-03	0.09	1.50e-04	-0.20	-0.03
		-0.03	-0.20	7.52e-05	0.0	360.0	-4.28	8.34e-03	0.09	1.50e-04	0.13	-1.86e-03
123	4	-2.94e-03	0.32	5.08e-04	0.0	0.0	-6.24	0.03	0.29	4.09e-04	-0.74	-0.11
		-0.11	-0.74	4.28e-04	0.0	360.0	-4.05	0.03	0.29	4.09e-04	0.32	-2.94e-03
123	8	-3.68e-03	0.31	6.54e-04	0.0	0.0	-5.34	0.02	0.26	4.74e-04	-0.62	-0.08
		-0.08	-0.62	3.27e-04	0.0	360.0	-3.15	0.02	0.26	4.74e-04	0.31	-3.68e-03
123	9	-1.40e-03	0.09	2.39e-04	0.0	0.0	-7.83	8.59e-03	0.07	9.03e-05	-0.18	-0.03
		-0.03	-0.18	7.89e-05	0.0	360.0	-5.64	8.59e-03	0.07	9.03e-05	0.09	-1.40e-03
123	10	-2.12e-03	0.22	3.55e-04	0.0	0.0	-7.67	0.02	0.21	2.63e-04	-0.53	-0.08
		-0.08	-0.53	3.14e-04	0.0	360.0	-5.48	0.02	0.21	2.63e-04	0.22	-2.12e-03
123	12	-2.61e-03	0.22	4.52e-04	0.0	0.0	-7.07	0.02	0.19	3.06e-04	-0.45	-0.07
		-0.07	-0.45	2.47e-04	0.0	360.0	-4.88	0.02	0.19	3.06e-04	0.22	-2.61e-03
123	13	-3.34e-04	0.04	4.05e-05	0.0	0.0	-8.80	9.12e-03	0.05	-5.23e-05	-0.14	-0.03
		-0.03	-0.14	7.39e-05	0.0	360.0	-6.61	9.12e-03	0.05	-5.23e-05	0.04	-3.34e-04
123	14	-6.93e-04	0.11	9.87e-05	0.0	0.0	-8.73	0.02	0.12	3.41e-05	-0.32	-0.06
		-0.06	-0.32	1.91e-04	0.0	360.0	-6.53	0.02	0.12	3.41e-05	0.11	-6.93e-04
123	16	-9.05e-04	0.10	1.41e-04	0.0	0.0	-8.43	0.01	0.10	4.71e-05	-0.26	-0.05
		-0.05	-0.26	1.46e-04	0.0	360.0	-6.24	0.01	0.10	4.71e-05	0.10	-9.05e-04
123	17	-3.34e-04	0.04	4.05e-05	0.0	0.0	-8.80	9.12e-03	0.05	-5.23e-05	-0.14	-0.03
		-0.03	-0.14	7.39e-05	0.0	360.0	-6.61	9.12e-03	0.05	-5.23e-05	0.04	-3.34e-04
123	18	-5.49e-04	0.08	7.54e-05	0.0	0.0	-8.76	0.01	0.09	0.0	-0.25	-0.05
		-0.05	-0.25	1.44e-04	0.0	360.0	-6.56	0.01	0.09	0.0	0.08	-5.49e-04
123	19	10.06	3.42	-8.58e-04	0.0	0.0	-58.79	-2.80	-2.05	0.03	3.42	10.06
		-0.02	-3.96	3.22e-03	0.0	360.0	-56.59	-2.80	-2.05	0.03	-3.96	-0.02
123	22	0.02	4.13	9.40e-04	0.0	0.0	41.27	2.82	2.23	-0.03	-3.91	-10.16
		-10.16	-3.91	-2.93e-03	0.0	360.0	43.47	2.82	2.23	-0.03	4.13	0.02
123	28	4.32	7.08	1.35e-03	0.0	0.0	-44.35	-1.20	-4.14	-0.03	7.08	4.32
		-0.01	-7.84	6.58e-03	0.0	360.0	-42.16	-1.20	-4.14	-0.03	-7.84	-0.01
123	29	0.01	8.01	-1.20e-03	0.0	0.0	26.83	1.23	4.33	0.03	-7.57	-4.42
		-4.42	-7.57	-6.29e-03	0.0	360.0	29.03	1.23	4.33	0.03	8.01	0.01
123	31	7.81	4.28	-6.31e-04	0.0	0.0	-63.67	-2.17	-2.53	-0.05	4.28	7.81
		-0.02	-4.83	3.90e-03	0.0	360.0	-61.48	-2.17	-2.53	-0.05	-4.83	-0.02
123	34	0.02	5.00	7.13e-04	0.0	0.0	46.16	2.20	2.71	0.05	-4.77	-7.90
		-7.90	-4.77	-3.61e-03	0.0	360.0	48.35	2.20	2.71	0.05	5.00	0.02
123	51	7.34	2.42	-5.88e-04	0.0	0.0	-45.17	-2.04	-1.47	0.02	2.42	7.34
		-0.02	-2.86	2.39e-03	0.0	360.0	-42.98	-2.04	-1.47	0.02	-2.86	-0.02
123	54	0.02	3.02	6.70e-04	0.0	0.0	27.66	2.07	1.65	-0.02	-2.91	-7.44
		-7.44	-2.91	-2.11e-03	0.0	360.0	29.85	2.07	1.65	-0.02	3.02	0.02
123	59	6.21	3.00	-3.13e-04	0.0	0.0	-48.70	-1.73	-1.79	-0.04	3.00	6.21
		-0.02	-3.44	2.84e-03	0.0	360.0	-46.51	-1.73	-1.79	-0.04	-3.44	-0.02
123	60	3.17	5.14	1.12e-03	0.0	0.0	-34.59	-0.88	-3.02	-0.02	5.14	3.17
		-9.79e-03	-5.74	4.91e-03	0.0	360.0	-32.40	-0.88	-3.02	-0.02	-5.74	-9.79e-03
123	61	8.69e-03	5.90	-9.67e-04	0.0	0.0	17.08	0.91	3.20	0.02	-5.63	-3.27
		-3.27	-5.63	-4.62e-03	0.0	360.0	19.27	0.91	3.20	0.02	5.90	8.69e-03
123	62	0.02	3.61	3.76e-04	0.0	0.0	31.18	1.75	1.97	0.04	-3.49	-6.30
		-6.30	-3.49	-2.55e-03	0.0	360.0	33.38	1.75	1.97	0.04	3.61	0.02
123	83	6.48	2.11	-5.12e-04	0.0	0.0	-40.92	-1.80	-1.29	0.02	2.11	6.48
		-0.01	-2.52	2.13e-03	0.0	360.0	-38.73	-1.80	-1.29	0.02	-2.52	-0.01
123	86	0.01	2.68	5.94e-04	0.0	0.0	23.41	1.83	1.47	-0.02	-2.60	-6.58
		-6.58	-2.60	-1.84e-03	0.0	360.0	25.60	1.83	1.47	-0.02	2.68	0.01
123	91	5.48	2.62	2.77e-04	0.0	0.0	-44.07	-1.53	-1.57	-0.03	2.62	5.48
		-0.02	-3.03	2.53e-03	0.0	360.0	-41.87	-1.53	-1.57	-0.03	-3.03	-0.02
123	92	2.80	4.52	1.01e-03	0.0	0.0	-31.59	-0.78	-2.66	-0.02	4.52	2.80
		-8.75e-03	-5.07	4.36e-03	0.0	360.0	-29.39	-0.78	-2.66	-0.02	-5.07	-8.75e-03
123	93	7.65e-03	5.23	-8.59e-04	0.0	0.0	14.07	0.81	2.85	0.02	-5.01	-2.90
		-2.90	-5.01	-4.07e-03	0.0	360.0	16.27	0.81	2.85	0.02	5.23	7.65e-03
123	94	0.02	3.20	3.35e-04	0.0	0.0	26.55	1.55	1.75	0.03	-3.11	-5.58
		-5.58	-3.11	-2.24e-03	0.0	360.0	28.74	1.55	1.75	0.03	3.20	0.02
123	115	12.05	4.17	-1.02e-03	0.0	0.0	-69.05	-3.35	-2.49	0.04	4.17	12.05
		-0.03	-4.79	3.85e-03	0.0	360.0	-66.86	-3.35	-2.49	0.04	-4.79	-0.03
123	118	0.02	4.95	1.10e-03	0.0	0.0	51.54	3.38	2.67	-0.04	-4.66	-12.15
		-12.15	-4.66	-3.56e-03	0.0	360.0	53.73	3.38	2.67	-0.04	4.95	0.02
123	124	5.16	8.61	1.64e-03	0.0	0.0	-51.87	-1.44	-5.03	-0.03	8.61	5.16
		-0.02	-9.51	7.93e-03	0.0	360.0	-49.68	-1.44	-5.03	-0.03	-9.51	-0.02
123	125	0.01	9.67	-1.49e-03	0.0	0.0	34.36	1.46	5.21	0.03	-9.11	-5.26
		-5.26	-9.11	-7.64e-03	0.0	360.0	36.55	1.46	5.21	0.03	9.67	0.01
123	127	9.37	5.23	-7.52e-04	0.0	0.0	-75.23	-2.61	-3.08	-0.05	5.23	9.37
		-0.03	-5.87	4.69e-03	0.0	360.0	-73.04	-2.61	-3.08	-0.05	-5.87	-0.03
123	130	0.03	6.03	8.34e-04	0.0	0.0	57.72	2.63	3.26	0.05	-5.72	-9.47
		-9.47	-5.72	-4.40e-03	0.0	360.0	59.91	2.63	3.26	0.05	6.03	0.03

124	1	0.98	0.09	1.35e-05	0.61	0.0	-29.28	0.64	0.35	0.02	-0.19	0.22
		0.22	-0.19	-3.13e-06	0.0	80.0	-28.58	1.26	0.35	0.02	0.09	0.98
124	2	0.98	0.19	1.56e-05	0.61	0.0	-4.56	0.53	0.18	0.02	0.04	0.32
		0.32	0.04	2.83e-06	0.0	80.0	-3.85	1.14	0.18	0.02	0.19	0.98
124	6	1.58	0.14	2.75e-05	1.02	0.0	1.43	0.69	0.18	0.04	-3.87e-03	0.63
		0.63	-3.87e-03	1.40e-06	0.0	80.0	2.14	1.71	0.18	0.04	0.14	1.58
124	8	1.56	0.11	2.94e-05	1.02	0.0	17.95	0.54	0.04	0.04	0.08	0.73
		0.73	0.08	2.81e-06	0.0	80.0	18.49	1.56	0.04	0.04	0.11	1.56
124	9	0.66	0.07	8.74e-06	0.41	0.0	-22.37	0.46	0.26	0.02	-0.14	0.13
		0.13	-0.14	-2.22e-06	0.0	80.0	-21.82	0.86	0.26	0.02	0.07	0.66
124	10	0.66	0.13	1.02e-05	0.41	0.0	-5.88	0.38	0.15	0.01	0.02	0.20
		0.20	0.02	1.75e-06	0.0	80.0	-5.34	0.79	0.15	0.01	0.13	0.66
124	12	1.06	0.10	1.81e-05	0.68	0.0	-1.89	0.48	0.15	0.03	-0.01	0.40
		0.40	-0.01	0.0	0.0	80.0	-1.34	1.16	0.15	0.03	0.10	1.06
124	13	0.05	0.08	-3.82e-06	0.0	0.0	-35.78	0.33	0.31	-3.20e-03	-0.17	-0.21
		-0.21	-0.17	-2.58e-06	0.0	80.0	-35.24	0.33	0.31	-3.20e-03	0.08	0.05
124	14	0.06	0.12	-3.11e-06	0.0	0.0	-27.54	0.29	0.26	-5.11e-03	-0.09	-0.18
		-0.18	-0.09	0.0	0.0	80.0	-26.99	0.29	0.26	-5.11e-03	0.12	0.06
124	16	0.26	0.10	0.0	0.14	0.0	-26.36	0.35	0.26	1.87e-03	-0.11	-0.08
		-0.08	-0.11	-1.27e-06	0.0	80.0	-25.82	0.49	0.26	1.87e-03	0.10	0.26
124	17	0.05	0.08	-3.82e-06	0.0	0.0	-35.78	0.33	0.31	-3.20e-03	-0.17	-0.21
		-0.21	-0.17	-2.58e-06	0.0	80.0	-35.24	0.33	0.31	-3.20e-03	0.08	0.05
124	18	0.06	0.10	-3.39e-06	0.0	0.0	-30.83	0.31	0.28	-4.34e-03	-0.12	-0.19
		-0.19	-0.12	-1.39e-06	0.0	80.0	-30.29	0.31	0.28	-4.34e-03	0.10	0.06
124	28	6.34	7.36	1.70e-04	0.0	0.0	409.58	-3.58	-4.12	1.90	7.36	6.34
		3.64	4.16	1.97e-04	0.0	80.0	410.12	-3.58	-4.12	1.90	4.16	3.64
124	29	-3.52	-3.95	-1.77e-04	0.0	0.0	-471.24	4.20	4.68	-1.91	-7.60	-6.73
		-6.73	-7.60	-2.00e-04	0.0	80.0	-470.70	4.20	4.68	-1.91	-3.95	-3.52
124	48	8.30	6.61	2.21e-04	0.0	0.0	490.79	-4.79	-4.02	-1.47	6.61	8.30
		4.55	3.55	1.75e-04	0.0	80.0	491.33	-4.79	-4.02	-1.47	3.55	4.55
124	49	-4.44	-3.34	-2.27e-04	0.0	0.0	-552.46	5.41	4.57	1.46	-6.85	-8.68
		-8.68	-6.85	-1.77e-04	0.0	80.0	-551.91	5.41	4.57	1.46	-3.34	-4.44
124	60	4.68	5.42	1.26e-04	0.0	0.0	302.30	-2.62	-3.00	1.37	5.42	4.68
		2.70	3.09	1.45e-04	0.0	80.0	302.84	-2.62	-3.00	1.37	3.09	2.70
124	61	-2.59	-2.88	-1.33e-04	0.0	0.0	-363.96	3.24	3.56	-1.38	-5.66	-5.06
		-5.06	-5.66	-1.48e-04	0.0	80.0	-363.42	3.24	3.56	-1.38	-2.88	-2.59
124	80	6.17	4.89	1.64e-04	0.0	0.0	364.03	-3.54	-2.94	-1.06	4.89	6.17
		3.41	2.64	1.29e-04	0.0	80.0	364.57	-3.54	-2.94	-1.06	2.64	3.41
124	81	-3.30	-2.43	-1.71e-04	0.0	0.0	-425.70	4.15	3.50	1.05	-5.12	-6.55
		-6.55	-5.12	-1.32e-04	0.0	80.0	-425.15	4.15	3.50	1.05	-2.43	-3.30
124	92	4.13	4.79	1.11e-04	0.0	0.0	265.00	-2.29	-2.63	1.21	4.79	4.13
		2.40	2.74	1.29e-04	0.0	80.0	265.54	-2.29	-2.63	1.21	2.74	2.40
124	93	-2.29	-2.53	-1.18e-04	0.0	0.0	-326.67	2.91	3.19	-1.22	-5.02	-4.51
		-4.51	-5.02	-1.31e-04	0.0	80.0	-326.12	2.91	3.19	-1.22	-2.53	-2.29
124	112	5.46	4.32	1.46e-04	0.0	0.0	319.86	-3.11	-2.58	-0.93	4.32	5.46
		3.03	2.35	1.14e-04	0.0	80.0	320.41	-3.11	-2.58	-0.93	2.35	3.03
124	113	-2.92	-2.14	-1.52e-04	0.0	0.0	-381.53	3.72	3.14	0.92	-4.55	-5.84
		-5.84	-4.55	-1.17e-04	0.0	80.0	-380.99	3.72	3.14	0.92	-2.14	-2.92
124	124	7.71	8.93	2.06e-04	0.0	0.0	501.57	-4.40	-5.04	2.30	8.93	7.71
		4.39	5.01	2.39e-04	0.0	80.0	502.11	-4.40	-5.04	2.30	5.01	4.39
124	125	-4.28	-4.80	-2.13e-04	0.0	0.0	-563.23	5.01	5.60	-2.31	-9.17	-8.09
		-8.09	-9.17	-2.41e-04	0.0	80.0	-562.69	5.01	5.60	-2.31	-4.80	-4.28
124	144	10.07	8.02	2.68e-04	0.0	0.0	599.90	-5.86	-4.91	-1.77	8.02	10.07
		5.50	4.28	2.12e-04	0.0	80.0	600.44	-5.86	-4.91	-1.77	4.28	5.50
124	145	-5.39	-4.07	-2.74e-04	0.0	0.0	-661.57	6.48	5.47	1.76	-8.26	-10.45
		-10.45	-8.26	-2.14e-04	0.0	80.0	-661.02	6.48	5.47	1.76	-4.07	-5.39
125	1	1.00	0.18	4.18e-04	2.75	0.0	-22.56	-1.33	0.08	4.48e-03	-0.09	0.82
		-0.33	-0.09	1.81e-04	0.0	360.0	-19.38	1.43	0.08	4.48e-03	0.18	1.00
125	4	1.14	0.35	6.87e-04	2.75	0.0	-1.50	-1.46	-0.11	3.25e-03	0.35	1.14
		-0.24	-0.05	5.84e-04	0.0	360.0	0.95	1.30	-0.11	3.25e-03	-0.05	0.85
125	5	1.58	0.23	6.20e-04	4.59	0.0	-19.29	-2.25	0.09	8.92e-03	-0.11	1.43
		-0.56	-0.11	1.89e-04	0.0	360.0	-16.12	2.34	0.09	8.92e-03	0.23	1.58
125	7	1.51	0.16	5.86e-04	4.59	0.0	-10.77	-2.29	0.06	9.75e-03	-0.05	1.49
		-0.56	-0.05	1.41e-04	0.0	360.0	-8.32	2.30	0.06	9.75e-03	0.16	1.51
125	8	1.68	0.22	7.98e-04	4.59	0.0	-1.99	-2.36	-0.05	8.30e-03	0.22	1.68
		-0.50	0.05	4.57e-04	0.0	360.0	0.45	2.23	-0.05	8.30e-03	0.05	1.46
125	9	0.66	0.11	2.87e-04	1.84	0.0	-16.90	-0.89	0.04	2.90e-03	-0.05	0.55
		-0.22	-0.05	1.34e-04	0.0	360.0	-14.46	0.95	0.04	2.90e-03	0.11	0.66
125	10	0.73	0.20	4.89e-04	1.84	0.0	-8.54	-0.95	-0.06	1.53e-03	0.20	0.73
		-0.16	2.14e-03	4.34e-04	0.0	360.0	-6.10	0.89	-0.06	1.53e-03	2.14e-03	0.61
125	11	1.05	0.14	4.22e-04	3.06	0.0	-14.73	-1.51	0.06	5.86e-03	-0.06	0.96
		-0.37	-0.06	1.39e-04	0.0	360.0	-12.28	1.55	0.06	5.86e-03	0.14	1.05
125	12	1.08	0.12	5.63e-04	3.06	0.0	-8.88	-1.55	-0.01	4.90e-03	0.12	1.08
		-0.33	0.07	3.50e-04	0.0	360.0	-6.43	1.51	-0.01	4.90e-03	0.07	1.01
125	13	0.07	0.05	8.45e-05	0.0	0.0	-20.16	0.04	0.03	-1.53e-03	-0.04	-0.07

		-0.07	-0.04	1.25e-04	0.0	360.0	-17.72	0.04	0.03	-1.53e-03	0.05	0.07
125	14	0.05	0.09	1.86e-04	0.0	0.0	-15.99	6.68e-03	-0.03	-2.22e-03	0.09	0.02
		0.02	2.28e-04	2.76e-04	0.0	360.0	-13.54	6.68e-03	-0.03	-2.22e-03	2.28e-04	0.05
125	15	0.27	0.07	1.52e-04	0.61	0.0	-19.08	-0.27	0.03	-5.48e-05	-0.04	0.14
		-0.07	-0.04	1.28e-04	0.0	360.0	-16.63	0.34	0.03	-5.48e-05	0.07	0.27
125	17	0.07	0.05	8.45e-05	0.0	0.0	-20.16	0.04	0.03	-1.53e-03	-0.04	-0.07
		-0.07	-0.04	1.25e-04	0.0	360.0	-17.72	0.04	0.03	-1.53e-03	0.05	0.07
125	18	0.06	0.04	1.45e-04	0.0	0.0	-17.66	0.02	-4.97e-03	-1.95e-03	0.04	-0.01
		-0.01	0.02	2.16e-04	0.0	360.0	-15.21	0.02	-4.97e-03	-1.95e-03	0.02	0.06
125	28	2.01	2.72	4.87e-03	0.0	0.0	158.12	0.46	-0.76	1.23	2.72	2.01
		0.92	-1.15	5.79e-03	0.0	360.0	160.56	0.46	-0.76	1.23	-1.15	0.92
125	29	-0.81	1.20	-4.57e-03	0.0	0.0	-193.43	-0.42	0.75	-1.23	-2.64	-2.04
		-2.04	-2.64	-5.36e-03	0.0	360.0	-190.99	-0.42	0.75	-1.23	1.20	-0.81
125	48	2.55	2.36	6.25e-03	0.0	0.0	188.36	-0.56	0.41	-0.95	2.36	2.55
		-0.47	0.81	5.24e-03	0.0	360.0	190.81	-0.56	0.41	-0.95	0.81	-0.47
125	49	0.58	-0.77	-5.96e-03	0.0	0.0	-223.68	0.60	-0.42	0.94	-2.28	-2.57
		-2.57	-2.28	-4.81e-03	0.0	360.0	-221.23	0.60	-0.42	0.94	-0.77	0.58
125	60	1.49	2.01	3.67e-03	0.0	0.0	115.30	0.34	-0.55	0.88	2.01	1.49
		0.68	-0.83	4.34e-03	0.0	360.0	117.74	0.34	-0.55	0.88	-0.83	0.68
125	61	-0.57	0.87	-3.38e-03	0.0	0.0	-150.61	-0.30	0.54	-0.89	-1.93	-1.52
		-1.52	-1.93	-3.91e-03	0.0	360.0	-148.17	-0.30	0.54	-0.89	0.87	-0.57
125	80	1.91	1.75	4.73e-03	0.0	0.0	138.31	-0.42	0.29	-0.69	1.75	1.91
		-0.34	0.59	3.95e-03	0.0	360.0	140.75	-0.42	0.29	-0.69	0.59	-0.34
125	81	0.45	-0.55	-4.44e-03	0.0	0.0	-173.62	0.46	-0.30	0.68	-1.67	-1.93
		-1.93	-1.67	-3.52e-03	0.0	360.0	-171.18	0.46	-0.30	0.68	-0.55	0.45
125	92	1.32	1.79	3.27e-03	0.0	0.0	100.42	0.30	-0.49	0.78	1.79	1.32
		0.61	-0.73	3.87e-03	0.0	360.0	102.86	0.30	-0.49	0.78	-0.73	0.61
125	93	-0.50	0.77	-2.98e-03	0.0	0.0	-135.73	-0.26	0.48	-0.79	-1.71	-1.35
		-1.35	-1.71	-3.44e-03	0.0	360.0	-133.29	-0.26	0.48	-0.79	0.77	-0.50
125	112	1.69	1.56	4.21e-03	0.0	0.0	120.87	-0.37	0.26	-0.61	1.56	1.69
		-0.29	0.52	3.52e-03	0.0	360.0	123.31	-0.37	0.26	-0.61	0.52	-0.29
125	113	0.40	-0.48	-3.92e-03	0.0	0.0	-156.18	0.41	-0.27	0.60	-1.48	-1.71
		-1.71	-1.48	-3.09e-03	0.0	360.0	-153.74	0.41	-0.27	0.60	-0.48	0.40
125	124	2.44	3.28	5.85e-03	0.0	0.0	194.86	0.55	-0.92	1.49	3.28	2.44
		1.10	-1.40	6.96e-03	0.0	360.0	197.30	0.55	-0.92	1.49	-1.40	1.10
125	125	-0.99	1.44	-5.56e-03	0.0	0.0	-230.17	-0.52	0.91	-1.49	-3.20	-2.46
		-2.46	-3.20	-6.53e-03	0.0	360.0	-227.73	-0.52	0.91	-1.49	1.44	-0.99
125	144	3.09	2.85	7.53e-03	0.0	0.0	231.46	-0.69	0.49	-1.14	2.85	3.09
		-0.57	0.98	6.29e-03	0.0	360.0	233.91	-0.69	0.49	-1.14	0.98	-0.57
125	145	0.69	-0.93	-7.24e-03	0.0	0.0	-266.78	0.72	-0.50	1.14	-2.77	-3.11
		-3.11	-2.77	-5.86e-03	0.0	360.0	-264.33	0.72	-0.50	1.14	-0.93	0.69
126	2	1.04	0.06	6.22e-04	2.75	0.0	-27.78	-1.81	-0.36	0.02	0.06	1.04
		-1.10	-1.23	4.68e-04	0.0	360.0	-24.60	0.94	-0.36	0.02	-1.23	-0.53
126	6	1.67	0.09	7.58e-04	4.59	0.0	-26.77	-2.79	-0.37	1.33e-03	0.09	1.67
		-1.38	-1.23	3.71e-04	0.0	360.0	-23.59	1.80	-0.37	1.33e-03	-1.23	-0.11
126	7	1.60	0.06	5.62e-04	4.59	0.0	-18.41	-2.62	-0.20	-0.02	0.06	1.60
		-1.06	-0.66	1.04e-04	0.0	360.0	-15.96	1.97	-0.20	-0.02	-0.66	0.44
126	8	1.71	0.13	7.36e-04	4.59	0.0	-19.61	-2.79	-0.36	7.42e-04	0.13	1.71
		-1.33	-1.18	3.37e-04	0.0	360.0	-17.17	1.80	-0.36	7.42e-04	-1.18	-0.05
126	10	0.69	0.03	4.17e-04	1.84	0.0	-20.84	-1.21	-0.24	0.01	0.03	0.69
		-0.74	-0.82	3.18e-04	0.0	360.0	-18.40	0.63	-0.24	0.01	-0.82	-0.36
126	11	1.03	1.03e-03	3.92e-04	3.06	0.0	-19.36	-1.75	-0.13	-8.98e-03	1.03e-03	1.03
		-0.75	-0.48	9.67e-05	0.0	360.0	-16.92	1.31	-0.13	-8.98e-03	-0.48	0.25
126	12	1.11	0.05	5.08e-04	3.06	0.0	-20.17	-1.86	-0.24	1.66e-03	0.05	1.11
		-0.93	-0.83	2.53e-04	0.0	360.0	-17.73	1.20	-0.24	1.66e-03	-0.83	-0.08
126	14	-0.04	-0.06	1.24e-04	0.0	0.0	-20.76	-0.08	-0.08	0.01	-0.06	-0.04
		-0.33	-0.35	1.95e-04	0.0	360.0	-18.31	-0.08	-0.08	0.01	-0.35	-0.33
126	15	0.14	-0.08	1.11e-04	0.61	0.0	-20.02	-0.35	-0.03	1.54e-03	-0.08	0.14
		-0.23	-0.18	7.84e-05	0.0	360.0	-17.57	0.26	-0.03	1.54e-03	-0.18	-0.03
126	16	0.17	-0.05	1.61e-04	0.61	0.0	-20.36	-0.40	-0.08	6.11e-03	-0.05	0.17
		-0.30	-0.33	1.49e-04	0.0	360.0	-17.92	0.21	-0.08	6.11e-03	-0.33	-0.17
126	17	-0.09	-0.09	4.27e-05	0.0	0.0	-20.18	-3.34e-03	-3.97e-03	4.18e-03	-0.09	-0.09
		-0.10	-0.11	7.65e-05	0.0	360.0	-17.74	-3.34e-03	-3.97e-03	4.18e-03	-0.11	-0.10
126	18	-0.06	-0.07	9.13e-05	0.0	0.0	-20.53	-0.05	-0.05	8.74e-03	-0.07	-0.06
		-0.24	-0.26	1.48e-04	0.0	360.0	-18.08	-0.05	-0.05	8.74e-03	-0.26	-0.24
126	23	0.23	8.18	2.23e-03	0.0	0.0	4.70	-1.41	2.80	-1.67	-1.93	0.23
		-4.61	-1.93	3.30e-03	0.0	360.0	7.15	-1.41	2.80	-1.67	8.18	-4.61
126	26	4.13	1.78	-2.05e-03	0.0	0.0	-45.76	1.31	-2.90	1.68	1.78	-0.35
		-0.35	-8.69	-3.01e-03	0.0	360.0	-43.31	1.31	-2.90	1.68	-8.69	4.13
126	36	2.81	0.44	6.50e-03	0.0	0.0	45.20	0.89	-0.89	0.76	0.44	-0.47
		-0.47	-2.81	6.07e-03	0.0	360.0	47.65	0.89	-0.89	0.76	-2.81	2.81
126	37	0.35	2.29	-6.32e-03	0.0	0.0	-86.26	-0.99	0.79	-0.75	-0.59	0.35
		-3.29	-0.59	-5.77e-03	0.0	360.0	-83.81	-0.99	0.79	-0.75	2.29	-3.29
126	47	-0.43	6.46	-4.68e-03	0.0	0.0	-61.05	-1.68	2.22	-1.08	-1.61	-0.43
		-5.50	-1.61	-2.67e-03	0.0	360.0	-58.61	-1.68	2.22	-1.08	6.46	-5.50

126	50	5.01	1.46	4.86e-03	0.0	0.0	20.00	1.58	-2.32	1.10	1.46	0.31
		0.31	-6.97	2.97e-03	0.0	360.0	22.44	1.58	-2.32	1.10	-6.97	5.01
126	55	0.16	5.91	1.70e-03	0.0	0.0	-1.54	-1.08	2.03	-1.25	-1.43	0.16
		-3.54	-1.43	2.46e-03	0.0	360.0	0.90	-1.08	2.03	-1.25	5.91	-3.54
126	58	3.06	1.28	-1.51e-03	0.0	0.0	-39.51	0.98	-2.13	1.27	1.28	-0.28
		-0.28	-6.42	-2.17e-03	0.0	360.0	-37.07	0.98	-2.13	1.27	-6.42	3.06
126	68	2.10	0.31	4.91e-03	0.0	0.0	29.26	0.67	-0.67	0.57	0.31	-0.39
		-0.39	-2.14	4.57e-03	0.0	360.0	31.70	0.67	-0.67	0.57	-2.14	2.10
126	69	0.28	1.63	-4.73e-03	0.0	0.0	-70.31	-0.77	0.57	-0.55	-0.45	0.28
		-2.58	-0.45	-4.28e-03	0.0	360.0	-67.87	-0.77	0.57	-0.55	1.63	-2.58
126	79	-0.37	4.62	-3.50e-03	0.0	0.0	-51.25	-1.29	1.60	-0.82	-1.19	-0.37
		-4.20	-1.19	-1.97e-03	0.0	360.0	-48.81	-1.29	1.60	-0.82	4.62	-4.20
126	82	3.71	1.05	3.68e-03	0.0	0.0	10.20	1.18	-1.70	0.84	1.05	0.25
		0.25	-5.13	2.26e-03	0.0	360.0	12.64	1.18	-1.70	0.84	-5.13	3.71
126	87	0.14	5.19	1.51e-03	0.0	0.0	-3.68	-0.96	1.79	-1.11	-1.27	0.14
		-3.17	-1.27	2.19e-03	0.0	360.0	-1.24	-0.96	1.79	-1.11	5.19	-3.17
126	90	2.69	1.13	-1.33e-03	0.0	0.0	-37.37	0.86	-1.89	1.13	1.13	-0.25
		-0.25	-5.70	-1.90e-03	0.0	360.0	-34.93	0.86	-1.89	1.13	-5.70	2.69
126	100	1.84	0.26	4.37e-03	0.0	0.0	23.70	0.59	-0.60	0.51	0.26	-0.36
		-0.36	-1.93	4.07e-03	0.0	360.0	26.14	0.59	-0.60	0.51	-1.93	1.84
126	101	0.24	1.42	-4.19e-03	0.0	0.0	-64.75	-0.69	0.50	-0.49	-0.41	0.24
		-2.32	-0.41	-3.78e-03	0.0	360.0	-62.31	-0.69	0.50	-0.49	1.42	-2.32
126	111	-0.34	4.05	-3.10e-03	0.0	0.0	-47.82	-1.15	1.41	-0.72	-1.06	-0.34
		-3.75	-1.06	-1.73e-03	0.0	360.0	-45.38	-1.15	1.41	-0.72	4.05	-3.75
126	114	3.27	0.92	3.28e-03	0.0	0.0	6.77	1.05	-1.51	0.74	0.92	0.22
		0.22	-4.57	2.02e-03	0.0	360.0	9.21	1.05	-1.51	0.74	-4.57	3.27
126	119	0.28	9.89	2.68e-03	0.0	0.0	9.96	-1.67	3.37	-1.96	-2.30	0.28
		-5.46	-2.30	3.95e-03	0.0	360.0	12.40	-1.67	3.37	-1.96	9.89	-5.46
126	122	4.98	2.15	-2.49e-03	0.0	0.0	-51.01	1.57	-3.47	1.98	2.15	-0.39
		-0.39	-10.40	-3.65e-03	0.0	360.0	-48.57	1.57	-3.47	1.98	-10.40	4.98
126	132	3.41	0.54	7.84e-03	0.0	0.0	58.89	1.07	-1.06	0.92	0.54	-0.54
		-0.54	-3.32	7.30e-03	0.0	360.0	61.33	1.07	-1.06	0.92	-3.32	3.41
126	133	0.42	2.81	-7.66e-03	0.0	0.0	-99.94	-1.17	0.96	-0.90	-0.69	0.42
		-3.89	-0.69	-7.00e-03	0.0	360.0	-97.50	-1.17	0.96	-0.90	2.81	-3.89
126	143	-0.48	7.85	-5.67e-03	0.0	0.0	-69.52	-2.01	2.69	-1.28	-1.92	-0.48
		-6.55	-1.92	-3.26e-03	0.0	360.0	-67.07	-2.01	2.69	-1.28	7.85	-6.55
126	146	6.07	1.77	5.86e-03	0.0	0.0	28.46	1.90	-2.79	1.30	1.77	0.37
		0.37	-8.36	3.56e-03	0.0	360.0	30.91	1.90	-2.79	1.30	-8.36	6.07
127	2	0.98	0.65	5.29e-04	0.0	0.0	-27.75	-0.52	-0.35	-1.01e-04	0.65	0.98
		-0.01	-0.01	4.47e-04	0.0	190.0	-26.08	-0.52	-0.35	-1.01e-04	-0.01	-0.01
127	3	0.42	0.24	2.33e-04	0.0	0.0	-21.03	-0.22	-0.13	9.61e-06	0.24	0.42
		-4.31e-03	-5.49e-03	2.09e-04	0.0	190.0	-19.74	-0.22	-0.13	9.61e-06	-5.49e-03	-4.31e-03
127	6	1.07	0.69	5.52e-04	0.0	0.0	-27.78	-0.57	-0.37	-6.08e-05	0.69	1.07
		-0.01	-0.01	4.77e-04	0.0	190.0	-26.10	-0.57	-0.37	-6.08e-05	-0.01	-0.01
127	8	0.97	0.62	5.16e-04	0.0	0.0	-21.48	-0.51	-0.33	-8.41e-05	0.62	0.97
		-0.01	-0.01	4.43e-04	0.0	190.0	-20.19	-0.51	-0.33	-8.41e-05	-0.01	-0.01
127	9	0.34	0.20	1.88e-04	0.0	0.0	-20.98	-0.18	-0.11	1.85e-05	0.20	0.34
		-3.70e-03	-3.49e-03	1.69e-04	0.0	190.0	-19.69	-0.18	-0.11	1.85e-05	-3.49e-03	-3.70e-03
127	10	0.65	0.43	3.61e-04	0.0	0.0	-21.26	-0.35	-0.23	-7.08e-05	0.43	0.65
		-8.36e-03	-8.39e-03	3.05e-04	0.0	190.0	-19.97	-0.35	-0.23	-7.08e-05	-8.39e-03	-8.36e-03
127	12	0.70	0.45	3.76e-04	0.0	0.0	-21.28	-0.38	-0.24	-4.40e-05	0.45	0.70
		-8.16e-03	-9.38e-03	3.25e-04	0.0	190.0	-19.99	-0.38	-0.24	-4.40e-05	-9.38e-03	-8.16e-03
127	13	0.11	0.07	8.70e-05	0.0	0.0	-20.83	-0.06	-0.03	1.85e-05	0.07	0.11
		-1.90e-03	1.88e-04	7.78e-05	0.0	190.0	-19.54	-0.06	-0.03	1.85e-05	1.88e-04	-1.90e-03
127	14	0.27	0.18	1.74e-04	0.0	0.0	-20.97	-0.14	-0.09	-2.62e-05	0.18	0.27
		-4.23e-03	-2.26e-03	1.46e-04	0.0	190.0	-19.68	-0.14	-0.09	-2.62e-05	-2.26e-03	-4.23e-03
127	16	0.28	0.18	1.73e-04	0.0	0.0	-20.97	-0.15	-0.10	-8.30e-06	0.18	0.28
		-3.90e-03	-2.51e-03	1.49e-04	0.0	190.0	-19.68	-0.15	-0.10	-8.30e-06	-2.51e-03	-3.90e-03
127	17	0.11	0.07	8.70e-05	0.0	0.0	-20.83	-0.06	-0.03	1.85e-05	0.07	0.11
		-1.90e-03	1.88e-04	7.78e-05	0.0	190.0	-19.54	-0.06	-0.03	1.85e-05	1.88e-04	-1.90e-03
127	18	0.21	0.13	1.39e-04	0.0	0.0	-20.92	-0.11	-0.07	-8.31e-06	0.13	0.21
		-3.30e-03	-1.28e-03	1.19e-04	0.0	190.0	-19.63	-0.11	-0.07	-8.31e-06	-1.28e-03	-3.30e-03
127	32	8.83	6.54	5.17e-03	0.0	0.0	-26.88	-4.74	-3.55	-4.54e-03	6.54	8.83
		0.11	-0.20	4.54e-03	0.0	190.0	-25.59	-4.74	-3.55	-4.54e-03	-0.20	0.11
127	33	-0.11	0.20	-4.89e-03	0.0	0.0	-14.95	4.52	3.41	4.52e-03	-6.28	-8.41
		-8.41	-6.28	-4.30e-03	0.0	190.0	-13.67	4.52	3.41	4.52e-03	0.20	-0.11
127	43	0.21	0.08	-3.49e-03	0.0	0.0	-16.40	5.31	1.36	2.07e-03	-2.51	-9.90
		-9.90	-2.51	-2.25e-03	0.0	190.0	-15.11	5.31	1.36	2.07e-03	0.08	0.21
127	46	10.31	2.78	3.77e-03	0.0	0.0	-25.44	-5.53	-1.50	-2.09e-03	2.78	10.31
		-0.21	-0.08	2.49e-03	0.0	190.0	-24.15	-5.53	-1.50	-2.09e-03	-0.08	-0.21
127	48	10.11	5.68	5.90e-03	0.0	0.0	-27.82	-5.42	-3.08	-4.33e-03	5.68	10.11
		-0.11	-0.18	4.58e-03	0.0	190.0	-26.53	-5.42	-3.08	-4.33e-03	-0.18	-0.11
127	49	0.11	0.18	-5.62e-03	0.0	0.0	-14.01	5.20	2.94	4.31e-03	-5.42	-9.69
		-9.69	-5.42	-4.34e-03	0.0	190.0	-12.72	5.20	2.94	4.31e-03	0.18	0.11
127	64	6.75	5.01	3.95e-03	0.0	0.0	-25.43	-3.63	-2.72	-3.36e-03	5.01	6.75

		0.08	-0.15	3.44e-03	0.0	190.0	-24.14	-3.63	-2.72	-3.36e-03	-0.15	0.08
127	65	-0.09	0.15	-3.67e-03	0.0	0.0	-16.40	3.41	2.58	3.34e-03	-4.75	-6.34
		-6.34	-4.75	-3.20e-03	0.0	190.0	-15.11	3.41	2.58	3.34e-03	0.15	-0.09
127	75	0.16	0.06	-2.61e-03	0.0	0.0	-17.49	3.99	1.03	1.55e-03	-1.90	-7.43
		-7.43	-1.90	-1.69e-03	0.0	190.0	-16.20	3.99	1.03	1.55e-03	0.06	0.16
127	78	7.85	2.16	2.89e-03	0.0	0.0	-24.34	-4.21	-1.17	-1.57e-03	2.16	7.85
		-0.16	-0.06	1.93e-03	0.0	190.0	-23.05	-4.21	-1.17	-1.57e-03	-0.06	-0.16
127	80	7.73	4.37	4.49e-03	0.0	0.0	-26.15	-4.14	-2.37	-3.22e-03	4.37	7.73
		-0.09	-0.14	3.48e-03	0.0	190.0	-24.86	-4.14	-2.37	-3.22e-03	-0.14	-0.09
127	81	0.08	0.14	-4.22e-03	0.0	0.0	-15.69	3.92	2.23	3.20e-03	-4.11	-7.31
		-7.31	-4.11	-3.25e-03	0.0	190.0	-14.40	3.92	2.23	3.20e-03	0.14	0.08
127	96	6.02	4.47	3.52e-03	0.0	0.0	-24.93	-3.24	-2.42	-2.97e-03	4.47	6.02
		0.07	-0.13	3.06e-03	0.0	190.0	-23.64	-3.24	-2.42	-2.97e-03	-0.13	0.07
127	97	-0.08	0.13	-3.24e-03	0.0	0.0	-16.91	3.02	2.28	2.96e-03	-4.20	-5.61
		-5.61	-4.20	-2.83e-03	0.0	190.0	-15.62	3.02	2.28	2.96e-03	0.13	-0.08
127	107	0.14	0.05	-2.31e-03	0.0	0.0	-17.87	3.53	0.91	1.38e-03	-1.67	-6.58
		-6.58	-1.67	-1.49e-03	0.0	190.0	-16.58	3.53	0.91	1.38e-03	0.05	0.14
127	110	6.99	1.94	2.58e-03	0.0	0.0	-23.96	-3.75	-1.05	-1.39e-03	1.94	6.99
		-0.14	-0.06	1.72e-03	0.0	190.0	-22.67	-3.75	-1.05	-1.39e-03	-0.06	-0.14
127	112	6.89	3.90	4.01e-03	0.0	0.0	-25.56	-3.69	-2.12	-2.85e-03	3.90	6.89
		-0.08	-0.12	3.11e-03	0.0	190.0	-24.27	-3.69	-2.12	-2.85e-03	-0.12	-0.08
127	113	0.07	0.12	-3.73e-03	0.0	0.0	-16.27	3.47	1.98	2.83e-03	-3.64	-6.47
		-6.47	-3.64	-2.87e-03	0.0	190.0	-14.98	3.47	1.98	2.83e-03	0.12	0.07
127	128	10.51	7.73	6.18e-03	0.0	0.0	-28.12	-5.65	-4.19	-5.49e-03	7.73	10.51
		0.13	-0.24	5.40e-03	0.0	190.0	-26.83	-5.65	-4.19	-5.49e-03	-0.24	0.13
127	129	-0.13	0.23	-5.90e-03	0.0	0.0	-13.72	5.43	4.05	5.47e-03	-7.46	-10.09
		-10.09	-7.46	-5.17e-03	0.0	190.0	-12.43	5.43	4.05	5.47e-03	0.23	-0.13
127	139	0.24	0.09	-4.24e-03	0.0	0.0	-15.45	6.39	1.65	2.51e-03	-3.04	-11.92
		-11.92	-3.04	-2.74e-03	0.0	190.0	-14.16	6.39	1.65	2.51e-03	0.09	0.24
127	142	12.33	3.30	4.52e-03	0.0	0.0	-26.38	-6.61	-1.79	-2.53e-03	3.30	12.33
		-0.25	-0.10	2.98e-03	0.0	190.0	-25.09	-6.61	-1.79	-2.53e-03	-0.10	-0.25
127	144	12.08	6.74	7.08e-03	0.0	0.0	-29.26	-6.48	-3.66	-5.23e-03	6.74	12.08
		-0.13	-0.22	5.48e-03	0.0	190.0	-27.97	-6.48	-3.66	-5.23e-03	-0.22	-0.13
127	145	0.13	0.21	-6.80e-03	0.0	0.0	-12.58	6.25	3.52	5.21e-03	-6.48	-11.67
		-11.67	-6.48	-5.24e-03	0.0	190.0	-11.29	6.25	3.52	5.21e-03	0.21	0.13
129	1	-2.13e-03	0.52	-1.30e-04	0.0	0.0	-3.69	0.01	-0.74	2.49e-03	0.52	-0.02
		-0.02	-0.88	2.01e-04	0.0	190.0	-2.19	0.01	-0.74	2.49e-03	-0.88	-2.13e-03
129	4	-5.74e-03	1.08	-1.20e-04	0.0	0.0	-2.81	0.16	-1.39	4.32e-03	1.08	-0.30
		-0.30	-1.56	4.36e-04	0.0	190.0	-1.65	0.16	-1.39	4.32e-03	-1.56	-5.74e-03
129	6	-4.99e-03	1.22	-1.63e-04	0.0	0.0	-3.65	0.12	-1.57	5.15e-03	1.22	-0.24
		-0.24	-1.77	4.80e-04	0.0	190.0	-2.14	0.12	-1.57	5.15e-03	-1.77	-4.99e-03
129	8	-5.86e-03	1.15	-1.17e-04	0.0	0.0	-2.79	0.14	-1.47	4.97e-03	1.15	-0.28
		-0.28	-1.64	4.59e-04	0.0	190.0	-1.64	0.14	-1.47	4.97e-03	-1.64	-5.86e-03
129	9	-1.95e-03	0.35	-9.04e-05	0.0	0.0	-2.84	0.01	-0.50	1.71e-03	0.35	-0.02
		-0.02	-0.61	1.35e-04	0.0	190.0	-1.69	0.01	-0.50	1.71e-03	-0.61	-1.95e-03
129	10	-3.77e-03	0.77	-1.14e-04	0.0	0.0	-2.82	0.09	-1.01	3.05e-03	0.77	-0.18
		-0.18	-1.16	3.06e-04	0.0	190.0	-1.67	0.09	-1.01	3.05e-03	-1.16	-3.77e-03
129	12	-3.85e-03	0.81	-1.12e-04	0.0	0.0	-2.82	0.09	-1.06	3.48e-03	0.81	-0.17
		-0.17	-1.20	3.21e-04	0.0	190.0	-1.66	0.09	-1.06	3.48e-03	-1.20	-3.85e-03
129	13	0.02	0.09	-8.24e-05	0.0	0.0	-2.86	-0.01	-0.20	4.53e-04	0.09	0.02
		-1.00e-03	-0.29	3.81e-05	0.0	190.0	-1.71	-0.01	-0.20	4.53e-04	-0.29	-1.00e-03
129	14	-1.91e-03	0.30	-9.43e-05	0.0	0.0	-2.85	0.03	-0.46	1.12e-03	0.30	-0.06
		-0.06	-0.57	1.21e-04	0.0	190.0	-1.70	0.03	-0.46	1.12e-03	-0.57	-1.91e-03
129	16	-1.86e-03	0.30	-9.22e-05	0.0	0.0	-2.85	0.02	-0.46	1.27e-03	0.30	-0.04
		-0.04	-0.56	1.20e-04	0.0	190.0	-1.69	0.02	-0.46	1.27e-03	-0.56	-1.86e-03
129	17	0.02	0.09	-8.24e-05	0.0	0.0	-2.86	-0.01	-0.20	4.53e-04	0.09	0.02
		-1.00e-03	-0.29	3.81e-05	0.0	190.0	-1.71	-0.01	-0.20	4.53e-04	-0.29	-1.00e-03
129	18	-1.55e-03	0.22	-8.95e-05	0.0	0.0	-2.86	0.01	-0.36	8.55e-04	0.22	-0.02
		-0.02	-0.46	8.67e-05	0.0	190.0	-1.70	0.01	-0.36	8.55e-04	-0.46	-1.55e-03
129	20	-0.27	12.36	-1.15e-03	0.0	0.0	-3.47	3.08	-15.05	0.05	12.36	-6.09
		-6.09	-16.24	4.95e-03	0.0	190.0	-2.31	3.08	-15.05	0.05	-16.24	-0.27
129	21	6.05	15.32	9.74e-04	0.0	0.0	-2.25	-3.06	14.34	-0.05	-11.92	6.05
		0.26	-11.92	-4.78e-03	0.0	190.0	-1.09	-3.06	14.34	-0.05	15.32	0.26
129	35	3.00	11.10	-1.12e-03	0.0	0.0	-4.05	-1.52	10.30	-0.04	-8.47	3.00
		0.11	-8.47	-3.66e-03	0.0	190.0	-2.89	-1.52	10.30	-0.04	11.10	0.11
129	38	-0.12	8.91	9.39e-04	0.0	0.0	-1.67	1.54	-11.01	0.04	8.91	-3.05
		-3.05	-12.02	3.84e-03	0.0	190.0	-0.51	1.54	-11.01	0.04	-12.02	-0.12
129	40	-0.24	14.14	2.62e-04	0.0	0.0	-1.71	2.94	-17.34	0.06	14.14	-5.82
		-5.82	-18.81	5.94e-03	0.0	190.0	-0.55	2.94	-17.34	0.06	-18.81	-0.24
129	41	5.77	17.89	-4.31e-04	0.0	0.0	-4.01	-2.92	16.62	-0.06	-13.70	5.77
		0.24	-13.70	-5.77e-03	0.0	190.0	-2.85	-2.92	16.62	-0.06	17.89	0.24
129	52	-0.20	9.31	-8.75e-04	0.0	0.0	-3.30	2.30	-11.36	0.04	9.31	-4.55
		-4.55	-12.28	3.74e-03	0.0	190.0	-2.14	2.30	-11.36	0.04	-12.28	-0.20
129	53	4.50	11.36	6.96e-04	0.0	0.0	-2.42	-2.28	10.65	-0.04	-8.87	4.50
		0.20	-8.87	-3.56e-03	0.0	190.0	-1.26	-2.28	10.65	-0.04	11.36	0.20

129	67	2.27	8.32	-8.39e-04	0.0	0.0	-3.75	-1.15	7.73	-0.03	-6.38	2.27
		0.08	-6.38	-2.75e-03	0.0	190.0	-2.60	-1.15	7.73	-0.03	8.32	0.08
129	70	-0.09	6.82	6.60e-04	0.0	0.0	-1.96	1.17	-8.45	0.03	6.82	-2.31
		-2.31	-9.23	2.93e-03	0.0	190.0	-0.81	1.17	-8.45	0.03	-9.23	-0.09
129	72	-0.18	10.75	1.69e-04	0.0	0.0	-1.99	2.21	-13.20	0.04	10.75	-4.37
		-4.37	-14.34	4.51e-03	0.0	190.0	-0.83	2.21	-13.20	0.04	-14.34	-0.18
129	73	4.33	13.42	-3.30e-04	0.0	0.0	-3.73	-2.19	12.49	-0.04	-10.31	4.33
		0.18	-10.31	-4.34e-03	0.0	190.0	-2.57	-2.19	12.49	-0.04	13.42	0.18
129	84	-0.18	8.28	-7.85e-04	0.0	0.0	-3.25	2.04	-10.12	0.03	8.28	-4.03
		-4.03	-10.94	3.32e-03	0.0	190.0	-2.09	2.04	-10.12	0.03	-10.94	-0.18
129	85	3.98	10.03	6.06e-04	0.0	0.0	-2.47	-2.02	9.40	-0.03	-7.84	3.98
		0.17	-7.84	-3.15e-03	0.0	190.0	-1.31	-2.02	9.40	-0.03	10.03	0.17
129	99	2.01	7.34	-7.52e-04	0.0	0.0	-3.65	-1.02	6.83	-0.02	-5.65	2.01
		0.07	-5.65	-2.44e-03	0.0	190.0	-2.50	-1.02	6.83	-0.02	7.34	0.07
129	102	-0.08	6.09	5.73e-04	0.0	0.0	-2.06	1.04	-7.55	0.03	6.09	-2.06
		-2.06	-8.25	2.61e-03	0.0	190.0	-0.91	1.04	-7.55	0.03	-8.25	-0.08
129	104	-0.16	9.57	1.42e-04	0.0	0.0	-2.09	1.96	-11.77	0.04	9.57	-3.88
		-3.88	-12.78	4.02e-03	0.0	190.0	-0.93	1.96	-11.77	0.04	-12.78	-0.16
129	105	3.84	11.87	-3.01e-04	0.0	0.0	-3.63	-1.94	11.05	-0.04	-9.14	3.84
		0.16	-9.14	-3.84e-03	0.0	190.0	-2.47	-1.94	11.05	-0.04	11.87	0.16
129	116	-0.32	14.80	-1.36e-03	0.0	0.0	-3.58	3.71	-18.01	0.06	14.80	-7.34
		-7.34	-19.42	5.94e-03	0.0	190.0	-2.43	3.71	-18.01	0.06	-19.42	-0.32
129	117	7.29	18.51	1.18e-03	0.0	0.0	-2.13	-3.69	17.30	-0.06	-14.36	7.29
		0.32	-14.36	-5.77e-03	0.0	190.0	-0.98	-3.69	17.30	-0.06	18.51	0.32
129	131	3.63	13.49	-1.32e-03	0.0	0.0	-4.29	-1.84	12.50	-0.04	-10.26	3.63
		0.14	-10.26	-4.44e-03	0.0	190.0	-3.13	-1.84	12.50	-0.04	13.49	0.14
129	134	-0.14	10.70	1.14e-03	0.0	0.0	-1.43	1.86	-13.21	0.04	10.70	-3.68
		-3.68	-14.41	4.62e-03	0.0	190.0	-0.27	1.86	-13.21	0.04	-14.41	-0.14
129	136	-0.29	16.96	3.28e-04	0.0	0.0	-1.48	3.55	-20.79	0.07	16.96	-7.01
		-7.01	-22.55	7.15e-03	0.0	190.0	-0.32	3.55	-20.79	0.07	-22.55	-0.29
129	137	6.97	21.63	-5.00e-04	0.0	0.0	-4.24	-3.52	20.08	-0.07	-16.53	6.97
		0.29	-16.53	-6.97e-03	0.0	190.0	-3.08	-3.52	20.08	-0.07	21.63	0.29
132	1	1.27e-03	2.77e-03	9.97e-05	0.0	0.0	-27.07	0.05	0.06	-3.29e-05	-0.10	-0.09
		-0.09	-0.10	1.51e-05	0.0	190.0	-25.40	0.05	0.06	-3.29e-05	2.77e-03	1.27e-03
132	6	0.50	7.54e-03	3.78e-04	0.0	0.0	-26.81	-0.27	0.49	6.08e-05	-0.92	0.50
		-4.50e-03	-0.92	-1.11e-04	0.0	190.0	-25.13	-0.27	0.49	6.08e-05	7.54e-03	-4.50e-03
132	8	0.59	6.95e-03	3.80e-04	0.0	0.0	-20.56	-0.31	0.51	8.41e-05	-0.97	0.59
		-4.91e-03	-0.97	-1.30e-04	0.0	190.0	-19.27	-0.31	0.51	8.41e-05	6.95e-03	-4.91e-03
132	9	1.18e-03	1.31e-03	5.75e-05	0.0	0.0	-20.86	0.06	0.01	-1.85e-05	-0.03	-0.11
		-0.11	-0.03	2.71e-05	0.0	190.0	-19.57	0.06	0.01	-1.85e-05	1.31e-03	1.18e-03
132	12	0.28	4.49e-03	2.43e-04	0.0	0.0	-20.68	-0.15	0.30	4.40e-05	-0.57	0.28
		-2.66e-03	-0.57	-5.70e-05	0.0	190.0	-19.39	-0.15	0.30	4.40e-05	4.49e-03	-2.66e-03
132	13	2.03e-03	0.25	-4.26e-05	0.0	0.0	-20.95	0.19	-0.13	-1.85e-05	0.25	-0.35
		-0.35	-1.44e-03	1.01e-04	0.0	190.0	-19.66	0.19	-0.13	-1.85e-05	-1.44e-03	2.03e-03
132	14	-3.12e-04	-4.77e-04	4.20e-05	0.0	0.0	-20.87	0.09	7.76e-03	2.62e-05	-0.02	-0.18
		-0.18	-0.02	7.55e-05	0.0	190.0	-19.58	0.09	7.76e-03	2.62e-05	-4.77e-04	-3.12e-04
132	17	2.03e-03	0.25	-4.26e-05	0.0	0.0	-20.95	0.19	-0.13	-1.85e-05	0.25	-0.35
		-0.35	-1.44e-03	1.01e-04	0.0	190.0	-19.66	0.19	-0.13	-1.85e-05	-1.44e-03	2.03e-03
132	18	6.25e-04	0.09	9.76e-06	0.0	0.0	-20.90	0.13	-0.05	8.31e-06	0.09	-0.25
		-0.25	-8.61e-04	8.56e-05	0.0	190.0	-19.61	0.13	-0.05	8.31e-06	-8.61e-04	6.25e-04
132	23	-0.14	10.82	2.05e-03	0.0	0.0	-25.11	5.43	-5.79	2.93e-03	10.82	-10.12
		-10.12	-0.12	3.53e-03	0.0	190.0	-23.82	5.43	-5.79	2.93e-03	-0.12	-0.14
132	26	9.62	0.12	-2.03e-03	0.0	0.0	-16.70	-5.17	5.69	-2.92e-03	-10.64	9.62
		0.14	-10.64	-3.36e-03	0.0	190.0	-15.41	-5.17	5.69	-2.92e-03	0.12	0.14
132	43	0.13	8.94	-3.57e-03	0.0	0.0	-24.61	6.02	-4.78	-2.07e-03	8.94	-11.20
		-11.20	0.11	-1.86e-03	0.0	190.0	-23.32	6.02	-4.78	-2.07e-03	0.11	0.13
132	46	10.71	-0.11	3.58e-03	0.0	0.0	-17.20	-5.75	4.69	2.09e-03	-8.76	10.71
		-0.13	-8.76	2.03e-03	0.0	190.0	-15.91	-5.75	4.69	2.09e-03	-0.11	-0.13
132	55	-0.10	7.92	1.52e-03	0.0	0.0	-23.98	4.09	-4.24	2.15e-03	7.92	-7.63
		-7.63	-0.09	2.60e-03	0.0	190.0	-22.69	4.09	-4.24	2.15e-03	-0.09	-0.10
132	58	7.14	0.09	-1.51e-03	0.0	0.0	-17.83	-3.83	4.14	-2.13e-03	-7.74	7.14
		0.10	-7.74	-2.43e-03	0.0	190.0	-16.54	-3.83	4.14	-2.13e-03	0.09	0.10
132	75	0.10	6.51	-2.70e-03	0.0	0.0	-23.63	4.58	-3.49	-1.55e-03	6.51	-8.53
		-8.53	0.08	-1.33e-03	0.0	190.0	-22.34	4.58	-3.49	-1.55e-03	0.08	0.10
132	78	8.03	-0.08	2.72e-03	0.0	0.0	-18.18	-4.32	3.39	1.57e-03	-6.33	8.03
		-0.10	-6.33	1.50e-03	0.0	190.0	-16.89	-4.32	3.39	1.57e-03	-0.08	-0.10
132	87	-0.09	7.01	1.35e-03	0.0	0.0	-23.62	3.64	-3.75	1.90e-03	7.01	-6.80
		-6.80	-0.08	2.31e-03	0.0	190.0	-22.33	3.64	-3.75	1.90e-03	-0.08	-0.09
132	90	6.30	0.08	-1.34e-03	0.0	0.0	-18.19	-3.38	3.66	-1.88e-03	-6.83	6.30
		0.09	-6.83	-2.13e-03	0.0	190.0	-16.90	-3.38	3.66	-1.88e-03	0.08	0.09
132	107	0.09	5.76	-2.40e-03	0.0	0.0	-23.32	4.08	-3.08	-1.38e-03	5.76	-7.60
		-7.60	0.07	-1.17e-03	0.0	190.0	-22.03	4.08	-3.08	-1.38e-03	0.07	0.09
132	110	7.11	-0.07	2.42e-03	0.0	0.0	-18.49	-3.82	2.99	1.39e-03	-5.58	7.11
		-0.09	-5.58	1.34e-03	0.0	190.0	-17.20	-3.82	2.99	1.39e-03	-0.07	-0.09
132	119	-0.16	12.98	2.46e-03	0.0	0.0	-25.95	6.48	-6.95	3.54e-03	12.98	-12.08

		-12.08	-0.15	4.23e-03	0.0	190.0	-24.66	6.48	-6.95	3.54e-03	-0.15	-0.16
132	122	11.59	0.15	-2.44e-03	0.0	0.0	-15.86	-6.22	6.85	-3.52e-03	-12.80	11.59
		0.16	-12.80	-4.06e-03	0.0	190.0	-14.57	-6.22	6.85	-3.52e-03	0.15	0.16
132	139	0.16	10.75	-4.31e-03	0.0	0.0	-25.36	7.20	-5.76	-2.51e-03	10.75	-13.40
		-13.40	0.13	-2.27e-03	0.0	190.0	-24.07	7.20	-5.76	-2.51e-03	0.13	0.16
132	142	12.91	-0.13	4.32e-03	0.0	0.0	-16.45	-6.94	5.66	2.53e-03	-10.58	12.91
		-0.16	-10.58	2.44e-03	0.0	190.0	-15.16	-6.94	5.66	2.53e-03	-0.13	-0.16
134	1	2.02	0.04	4.95e-04	0.0	0.0	-9.79	-0.56	-0.01	0.0	0.04	2.02
		-4.32e-03	2.09e-04	2.52e-04	0.0	360.0	-6.94	-0.56	-0.01	0.0	2.09e-04	-4.32e-03
134	2	8.03	0.07	1.71e-03	0.0	0.0	-9.79	-2.23	-0.02	0.0	0.07	8.03
		-0.02	6.37e-05	4.90e-04	0.0	360.0	-6.94	-2.23	-0.02	0.0	6.37e-05	-0.02
134	4	7.55	0.06	1.62e-03	0.0	0.0	-7.53	-2.10	-0.02	0.0	0.06	7.55
		-0.01	1.02e-04	4.58e-04	0.0	360.0	-5.34	-2.10	-0.02	0.0	1.02e-04	-0.01
134	6	6.27	0.07	1.42e-03	0.0	0.0	-9.79	-1.74	-0.02	0.0	0.07	6.27
		-0.01	4.08e-04	4.87e-04	0.0	360.0	-6.94	-1.74	-0.02	0.0	4.08e-04	-0.01
134	9	1.54	0.03	3.68e-04	0.0	0.0	-7.53	-0.43	-8.22e-03	0.0	0.03	1.54
		-3.34e-03	1.06e-04	1.84e-04	0.0	360.0	-5.34	-0.43	-8.22e-03	0.0	1.06e-04	-3.34e-03
134	10	5.54	0.05	1.18e-03	0.0	0.0	-7.53	-1.54	-0.01	0.0	0.05	5.54
		-0.01	9.83e-06	3.43e-04	0.0	360.0	-5.34	-1.54	-0.01	0.0	9.83e-06	-0.01
134	12	4.37	0.05	9.83e-04	0.0	0.0	-7.53	-1.22	-0.01	0.0	0.05	4.37
		-8.50e-03	2.39e-04	3.41e-04	0.0	360.0	-5.34	-1.22	-0.01	0.0	2.39e-04	-8.50e-03
134	13	1.50	0.02	2.96e-04	0.0	0.0	-7.53	-0.42	-5.89e-03	0.0	0.02	1.50
		-3.33e-03	-1.94e-04	1.15e-04	0.0	360.0	-5.34	-0.42	-5.89e-03	0.0	-1.94e-04	-3.33e-03
134	14	3.50	0.03	7.01e-04	0.0	0.0	-7.53	-0.97	-8.43e-03	0.0	0.03	3.50
		-7.02e-03	-2.43e-04	1.94e-04	0.0	360.0	-5.34	-0.97	-8.43e-03	0.0	-2.43e-04	-7.02e-03
134	17	1.50	0.02	2.96e-04	0.0	0.0	-7.53	-0.42	-5.89e-03	0.0	0.02	1.50
		-3.33e-03	-1.94e-04	1.15e-04	0.0	360.0	-5.34	-0.42	-5.89e-03	0.0	-1.94e-04	-3.33e-03
134	18	2.70	0.03	5.39e-04	0.0	0.0	-7.53	-0.75	-7.41e-03	0.0	0.03	2.70
		-5.54e-03	-2.23e-04	1.62e-04	0.0	360.0	-5.34	-0.75	-7.41e-03	0.0	-2.23e-04	-5.54e-03
134	24	-0.02	0.42	-5.99e-03	0.0	0.0	-7.52	0.57	-0.12	0.0	0.42	-2.05
		-2.05	0.03	4.93e-03	0.0	360.0	-5.32	0.57	-0.12	0.0	0.03	-0.02
134	25	7.45	-0.03	7.07e-03	0.0	0.0	-7.55	-2.07	0.11	0.0	-0.36	7.45
		5.53e-03	-0.36	-4.60e-03	0.0	360.0	-5.35	-2.07	0.11	0.0	-0.03	5.53e-03
134	27	8.71	0.19	-3.24e-03	0.0	0.0	-7.52	-2.43	-0.05	0.0	0.19	8.71
		-0.02	-0.01	2.24e-03	0.0	360.0	-5.33	-2.43	-0.05	0.0	-0.01	-0.02
134	30	0.01	0.01	4.31e-03	0.0	0.0	-7.54	0.92	0.04	0.0	-0.14	-3.31
		-3.31	-0.14	-1.91e-03	0.0	360.0	-5.35	0.92	0.04	0.0	0.01	0.01
134	48	2.26	0.51	-5.72e-03	0.0	0.0	-7.52	-0.63	-0.14	0.0	0.51	2.26
		-6.73e-03	-0.02	5.90e-03	0.0	360.0	-5.33	-0.63	-0.14	0.0	-0.02	-6.73e-03
134	49	3.14	0.02	6.80e-03	0.0	0.0	-7.54	-0.87	0.13	0.0	-0.45	3.14
		-4.36e-03	-0.45	-5.58e-03	0.0	360.0	-5.35	-0.87	0.13	0.0	0.02	-4.36e-03
134	56	-0.01	0.32	-4.21e-03	0.0	0.0	-7.52	0.26	-0.09	0.0	0.32	-0.95
		-0.95	0.02	3.76e-03	0.0	360.0	-5.33	0.26	-0.09	0.0	0.02	-0.01
134	57	6.35	-0.02	5.29e-03	0.0	0.0	-7.54	-1.77	0.08	0.0	-0.27	6.35
		3.13e-03	-0.27	-3.43e-03	0.0	360.0	-5.35	-1.77	0.08	0.0	-0.02	3.13e-03
134	59	7.41	0.15	-2.17e-03	0.0	0.0	-7.52	-2.06	-0.04	0.0	0.15	7.41
		-0.02	-0.01	1.74e-03	0.0	360.0	-5.33	-2.06	-0.04	0.0	-0.01	-0.02
134	62	9.35e-03	9.80e-03	3.25e-03	0.0	0.0	-7.54	0.56	0.03	0.0	-0.10	-2.01
		-2.01	-0.10	-1.41e-03	0.0	360.0	-5.35	0.56	0.03	0.0	9.80e-03	9.35e-03
134	80	2.42	0.39	-4.05e-03	0.0	0.0	-7.53	-0.68	-0.11	0.0	0.39	2.42
		-6.51e-03	-0.02	4.51e-03	0.0	360.0	-5.33	-0.68	-0.11	0.0	-0.02	-6.51e-03
134	81	2.97	0.02	5.13e-03	0.0	0.0	-7.54	-0.83	0.10	0.0	-0.34	2.97
		-4.58e-03	-0.34	-4.18e-03	0.0	360.0	-5.35	-0.83	0.10	0.0	0.02	-4.58e-03
134	88	-0.01	0.29	-3.66e-03	0.0	0.0	-7.52	0.15	-0.08	0.0	0.29	-0.54
		-0.54	0.02	3.35e-03	0.0	360.0	-5.33	0.15	-0.08	0.0	0.02	-0.01
134	89	5.94	-0.02	4.74e-03	0.0	0.0	-7.54	-1.65	0.07	0.0	-0.23	5.94
		2.16e-03	-0.23	-3.03e-03	0.0	360.0	-5.35	-1.65	0.07	0.0	-0.02	2.16e-03
134	91	6.90	0.14	-1.85e-03	0.0	0.0	-7.52	-1.92	-0.04	0.0	0.14	6.90
		-0.02	-9.11e-03	1.56e-03	0.0	360.0	-5.33	-1.92	-0.04	0.0	-9.11e-03	-0.02
134	94	7.75e-03	8.66e-03	2.93e-03	0.0	0.0	-7.54	0.42	0.02	0.0	-0.08	-1.50
		-1.50	-0.08	-1.23e-03	0.0	360.0	-5.35	0.42	0.02	0.0	8.66e-03	7.75e-03
134	112	2.46	0.35	-3.52e-03	0.0	0.0	-7.53	-0.69	-0.10	0.0	0.35	2.46
		-6.41e-03	-0.01	4.02e-03	0.0	360.0	-5.33	-0.69	-0.10	0.0	-0.01	-6.41e-03
134	113	2.94	0.01	4.60e-03	0.0	0.0	-7.54	-0.82	0.08	0.0	-0.30	2.94
		-4.68e-03	-0.30	-3.69e-03	0.0	360.0	-5.34	-0.82	0.08	0.0	0.01	-4.68e-03
134	120	-0.02	0.49	-7.37e-03	0.0	0.0	-7.51	0.81	-0.14	0.0	0.49	-2.92
		-2.92	0.03	5.91e-03	0.0	360.0	-5.32	0.81	-0.14	0.0	0.03	-0.02
134	121	8.31	-0.03	8.45e-03	0.0	0.0	-7.55	-2.31	0.13	0.0	-0.44	8.31
		7.35e-03	-0.44	-5.59e-03	0.0	360.0	-5.36	-2.31	0.13	0.0	-0.03	7.35e-03
134	123	9.73	0.22	-4.08e-03	0.0	0.0	-7.52	-2.71	-0.06	0.0	0.22	9.73
		-0.03	-0.02	2.65e-03	0.0	360.0	-5.33	-2.71	-0.06	0.0	-0.02	-0.03
134	126	0.02	0.02	5.15e-03	0.0	0.0	-7.54	1.21	0.05	0.0	-0.17	-4.34
		-4.34	-0.17	-2.33e-03	0.0	360.0	-5.35	1.21	0.05	0.0	0.02	0.02
134	144	2.11	0.61	-7.05e-03	0.0	0.0	-7.52	-0.59	-0.17	0.0	0.61	2.11
		-6.87e-03	-0.03	7.09e-03	0.0	360.0	-5.33	-0.59	-0.17	0.0	-0.03	-6.87e-03

134	145	3.29	0.03	8.12e-03	0.0	0.0	-7.54	-0.91	0.16	0.0	-0.55	3.29
		-4.22e-03	-0.55	-6.76e-03	0.0	360.0	-5.35	-0.91	0.16	0.0	0.03	-4.22e-03
135	1	-0.01	0.63	1.68e-04	0.0	0.0	-3.59	0.02	0.47	-5.62e-04	-0.26	-0.05
		-0.05	-0.26	-8.87e-05	0.0	190.0	-2.09	0.02	0.47	-5.62e-04	0.63	-0.01
135	3	-9.42e-03	0.56	1.60e-04	0.0	0.0	-2.74	0.02	0.44	-5.15e-04	-0.27	-0.04
		-0.04	-0.27	-8.32e-05	0.0	190.0	-1.58	0.02	0.44	-5.15e-04	0.56	-9.42e-03
135	4	-0.02	1.02	2.72e-04	0.0	0.0	-2.49	1.66e-03	0.85	-1.20e-03	-0.60	-0.02
		-0.02	-0.60	-1.57e-04	0.0	190.0	-1.34	1.66e-03	0.85	-1.20e-03	1.02	-0.02
135	5	-0.01	0.91	2.59e-04	0.0	0.0	-3.55	0.03	0.73	-9.96e-04	-0.47	-0.06
		-0.06	-0.47	-1.59e-04	0.0	190.0	-2.04	0.03	0.73	-9.96e-04	0.91	-0.01
135	6	-0.02	1.24	3.38e-04	0.0	0.0	-3.37	0.02	1.02	-1.47e-03	-0.70	-0.05
		-0.05	-0.70	-2.11e-04	0.0	190.0	-1.87	0.02	1.02	-1.47e-03	1.24	-0.02
135	8	-0.02	1.16	3.29e-04	0.0	0.0	-2.52	0.01	0.99	-1.43e-03	-0.71	-0.04
		-0.04	-0.71	-2.07e-04	0.0	190.0	-1.37	0.01	0.99	-1.43e-03	1.16	-0.02
135	9	-8.45e-03	0.43	1.15e-04	0.0	0.0	-2.77	0.01	0.32	-3.36e-04	-0.17	-0.03
		-0.03	-0.17	-5.38e-05	0.0	190.0	-1.61	0.01	0.32	-3.36e-04	0.43	-8.45e-03
135	10	-0.01	0.74	1.89e-04	0.0	0.0	-2.60	3.38e-03	0.59	-7.92e-04	-0.38	-0.02
		-0.02	-0.38	-1.03e-04	0.0	190.0	-1.44	3.38e-03	0.59	-7.92e-04	0.74	-0.01
135	11	-0.01	0.62	1.76e-04	0.0	0.0	-2.74	0.02	0.49	-6.25e-04	-0.31	-0.04
		-0.04	-0.31	-1.00e-04	0.0	190.0	-1.58	0.02	0.49	-6.25e-04	0.62	-0.01
135	12	-0.01	0.83	2.28e-04	0.0	0.0	-2.62	0.01	0.68	-9.45e-04	-0.46	-0.03
		-0.03	-0.46	-1.34e-04	0.0	190.0	-1.46	0.01	0.68	-9.45e-04	0.83	-0.01
135	13	-5.94e-03	0.15	2.38e-05	0.0	0.0	-2.81	5.43e-03	0.06	9.76e-05	0.05	-0.02
		-0.02	0.05	2.31e-05	0.0	190.0	-1.66	5.43e-03	0.06	9.76e-05	0.15	-5.94e-03
135	14	-8.23e-03	0.31	6.11e-05	0.0	0.0	-2.73	9.14e-04	0.19	-1.30e-04	-0.06	-9.97e-03
		-9.97e-03	-0.06	-1.51e-05	0.0	190.0	-1.57	9.14e-04	0.19	-1.30e-04	0.31	-8.23e-03
135	15	-6.78e-03	0.25	5.41e-05	0.0	0.0	-2.80	7.75e-03	0.14	-4.70e-05	-0.02	-0.02
		-0.02	-0.02	-1.32e-05	0.0	190.0	-1.64	7.75e-03	0.14	-4.70e-05	0.25	-6.78e-03
135	16	-8.15e-03	0.34	7.65e-05	0.0	0.0	-2.75	5.04e-03	0.22	-1.84e-04	-0.09	-0.02
		-0.02	-0.09	-2.52e-05	0.0	190.0	-1.59	5.04e-03	0.22	-1.84e-04	0.34	-8.15e-03
135	17	-5.94e-03	0.15	2.38e-05	0.0	0.0	-2.81	5.43e-03	0.06	9.76e-05	0.05	-0.02
		-0.02	0.05	2.31e-05	0.0	190.0	-1.66	5.43e-03	0.06	9.76e-05	0.15	-5.94e-03
135	18	-7.32e-03	0.25	4.62e-05	0.0	0.0	-2.76	2.72e-03	0.14	-3.92e-05	-0.02	-0.01
		-0.01	-0.02	-8.25e-06	0.0	190.0	-1.61	2.72e-03	0.14	-3.92e-05	0.25	-7.32e-03
135	20	2.40	7.06	-4.27e-04	0.0	0.0	-3.57	-1.01	-14.61	0.01	7.06	2.40
		-0.33	-16.62	5.49e-03	0.0	190.0	-2.42	-1.01	-14.61	0.01	-16.62	-0.33
135	21	0.32	17.12	5.19e-04	0.0	0.0	-1.95	1.02	14.89	-0.01	-7.10	-2.42
		-2.42	-7.10	-5.47e-03	0.0	190.0	-0.79	1.02	14.89	-0.01	17.12	0.32
135	23	1.11	11.08	-5.21e-04	0.0	0.0	-4.07	-0.44	-14.49	0.01	11.08	1.11
		-0.56	-16.46	3.42e-03	0.0	190.0	-2.91	-0.44	-14.49	0.01	-16.46	-0.56
135	26	0.55	16.95	6.14e-04	0.0	0.0	-1.46	0.44	14.77	-0.01	-11.12	-1.13
		-1.13	-11.12	-3.41e-03	0.0	190.0	-0.30	0.44	14.77	-0.01	16.95	0.55
135	36	2.80	-4.09	-5.61e-04	0.0	0.0	-2.34	-1.22	-12.66	7.48e-03	-4.09	2.80
		0.32	-14.54	4.95e-03	0.0	190.0	-1.18	-1.22	-12.66	7.48e-03	-14.54	0.32
135	37	-0.34	15.03	6.54e-04	0.0	0.0	-3.19	1.22	12.94	-7.56e-03	4.06	-2.83
		-2.83	4.06	-4.93e-03	0.0	190.0	-2.03	1.22	12.94	-7.56e-03	15.03	-0.34
135	52	1.78	5.14	-1.17e-04	0.0	0.0	-3.35	-0.76	-10.66	7.70e-03	5.14	1.78
		-0.24	-12.11	4.02e-03	0.0	190.0	-2.20	-0.76	-10.66	7.70e-03	-12.11	-0.24
135	53	0.23	12.60	2.10e-04	0.0	0.0	-2.17	0.77	10.94	-7.77e-03	-5.17	-1.81
		-1.81	-5.17	-4.01e-03	0.0	190.0	-1.02	0.77	10.94	-7.77e-03	12.60	0.23
135	55	0.81	8.08	-2.44e-04	0.0	0.0	-3.71	-0.32	-10.54	7.64e-03	8.08	0.81
		-0.42	-11.95	2.50e-03	0.0	190.0	-2.55	-0.32	-10.54	7.64e-03	-11.95	-0.42
135	58	0.40	12.45	3.36e-04	0.0	0.0	-1.81	0.33	10.81	-7.71e-03	-8.11	-0.83
		-0.83	-8.11	-2.48e-03	0.0	190.0	-0.66	0.33	10.81	-7.71e-03	12.45	0.40
135	68	2.10	-3.05	-2.42e-04	0.0	0.0	-2.45	-0.92	-9.30	5.76e-03	-3.05	2.10
		0.23	-10.66	3.66e-03	0.0	190.0	-1.30	-0.92	-9.30	5.76e-03	-10.66	0.23
135	69	-0.25	11.15	3.35e-04	0.0	0.0	-3.07	0.93	9.57	-5.84e-03	3.02	-2.13
		-2.13	3.02	-3.65e-03	0.0	190.0	-1.91	0.93	9.57	-5.84e-03	11.15	-0.25
135	84	1.58	4.54	-7.71e-05	0.0	0.0	-3.28	-0.68	-9.41	6.83e-03	4.54	1.58
		-0.22	-10.68	3.56e-03	0.0	190.0	-2.13	-0.68	-9.41	6.83e-03	-10.68	-0.22
135	85	0.20	11.17	1.69e-04	0.0	0.0	-2.24	0.68	9.69	-6.91e-03	-4.57	-1.61
		-1.61	-4.57	-3.54e-03	0.0	190.0	-1.08	0.68	9.69	-6.91e-03	11.17	0.20
135	87	0.71	7.14	-1.96e-04	0.0	0.0	-3.60	-0.29	-9.30	6.77e-03	7.14	0.71
		-0.37	-10.54	2.21e-03	0.0	190.0	-2.44	-0.29	-9.30	6.77e-03	-10.54	-0.37
135	90	0.35	11.03	2.89e-04	0.0	0.0	-1.92	0.29	9.57	-6.85e-03	-7.17	-0.74
		-0.74	-7.17	-2.19e-03	0.0	190.0	-0.77	0.29	9.57	-6.85e-03	11.03	0.35
135	100	1.87	-2.71	-1.90e-04	0.0	0.0	-2.49	-0.82	-8.21	5.13e-03	-2.71	1.87
		0.20	-9.40	3.24e-03	0.0	190.0	-1.33	-0.82	-8.21	5.13e-03	-9.40	0.20
135	101	-0.22	9.90	2.82e-04	0.0	0.0	-3.03	0.83	8.49	-5.20e-03	2.67	-1.89
		-1.89	2.67	-3.23e-03	0.0	190.0	-1.88	0.83	8.49	-5.20e-03	9.90	-0.22
135	116	2.89	8.50	-6.09e-04	0.0	0.0	-3.74	-1.22	-17.62	0.01	8.50	2.89
		-0.39	-20.06	6.61e-03	0.0	190.0	-2.58	-1.22	-17.62	0.01	-20.06	-0.39
135	117	0.38	20.56	7.02e-04	0.0	0.0	-1.79	1.23	17.89	-0.01	-8.53	-2.91
		-2.91	-8.53	-6.60e-03	0.0	190.0	-0.63	1.23	17.89	-0.01	20.56	0.38
135	119	1.34	13.35	-7.13e-04	0.0	0.0	-4.33	-0.53	-17.48	0.01	13.35	1.34

		-0.68	-19.88	4.12e-03	0.0	190.0	-3.18	-0.53	-17.48	0.01	-19.88	-0.68
135	122	0.66	20.37	8.06e-04	0.0	0.0	-1.19	0.53	17.75	-0.01	-13.38	-1.36
		-1.36	-13.38	-4.10e-03	0.0	190.0	-0.03	0.53	17.75	-0.01	20.37	0.66
135	132	3.37	-4.94	-7.41e-04	0.0	0.0	-2.25	-1.46	-15.28	8.75e-03	-4.94	3.37
		0.39	-17.57	5.97e-03	0.0	190.0	-1.10	-1.46	-15.28	8.75e-03	-17.57	0.39
135	133	-0.41	18.06	8.34e-04	0.0	0.0	-3.27	1.47	15.56	-8.83e-03	4.90	-3.40
		-3.40	4.90	-5.95e-03	0.0	190.0	-2.12	1.47	15.56	-8.83e-03	18.06	-0.41
137	2	0.02	0.03	-1.16e-04	1.45	0.0	-27.93	-0.15	0.93	-1.01e-04	-1.75	-1.07
		-1.08	-1.75	-2.25e-04	0.0	190.0	-26.25	1.30	0.93	-1.01e-04	0.03	0.02
137	3	6.07e-03	0.01	2.40e-05	1.45	0.0	-21.02	-0.71	0.35	9.61e-06	-0.65	-0.03
		-0.36	-0.65	-1.33e-04	0.0	190.0	-19.73	0.75	0.35	9.61e-06	0.01	6.07e-03
137	6	0.02	0.03	-4.69e-05	2.42	0.0	-27.86	-0.84	0.94	-6.08e-05	-1.75	-0.68
		-0.96	-1.75	-2.78e-04	0.0	190.0	-26.18	1.58	0.94	-6.08e-05	0.03	0.02
137	7	0.09	0.02	5.58e-05	2.42	0.0	-21.13	-1.26	0.50	9.63e-06	-0.94	0.09
		-0.52	-0.94	-2.08e-04	0.0	190.0	-19.84	1.17	0.50	9.63e-06	0.02	7.97e-03
137	9	5.59e-03	9.02e-03	8.68e-06	0.97	0.0	-20.98	-0.41	0.30	1.85e-05	-0.56	-0.14
		-0.30	-0.56	-1.01e-04	0.0	190.0	-19.69	0.56	0.30	1.85e-05	9.02e-03	5.59e-03
137	10	0.01	0.02	-7.86e-05	0.97	0.0	-21.39	-0.10	0.63	-7.08e-05	-1.17	-0.72
		-0.73	-1.17	-1.50e-04	0.0	190.0	-20.10	0.87	0.63	-7.08e-05	0.02	0.01
137	12	0.01	0.02	-3.25e-05	1.61	0.0	-21.34	-0.56	0.63	-4.40e-05	-1.18	-0.46
		-0.64	-1.18	-1.85e-04	0.0	190.0	-20.05	1.06	0.63	-4.40e-05	0.02	0.01
137	13	3.69e-03	3.41e-03	-4.16e-05	0.0	0.0	-20.87	0.14	0.15	1.85e-05	-0.28	-0.26
		-0.26	-0.28	-2.68e-05	0.0	190.0	-19.58	0.14	0.15	1.85e-05	3.41e-03	3.69e-03
137	14	7.64e-03	7.44e-03	-7.82e-05	0.0	0.0	-21.08	0.29	0.31	-2.62e-05	-0.58	-0.55
		-0.55	-0.58	-5.13e-05	0.0	190.0	-19.79	0.29	0.31	-2.62e-05	7.44e-03	7.64e-03
137	16	6.69e-03	7.70e-03	-5.15e-05	0.32	0.0	-21.03	0.05	0.30	-8.30e-06	-0.55	-0.40
		-0.40	-0.55	-6.63e-05	0.0	190.0	-19.74	0.37	0.30	-8.30e-06	7.70e-03	6.69e-03
137	17	3.69e-03	3.41e-03	-4.16e-05	0.0	0.0	-20.87	0.14	0.15	1.85e-05	-0.28	-0.26
		-0.26	-0.28	-2.68e-05	0.0	190.0	-19.58	0.14	0.15	1.85e-05	3.41e-03	3.69e-03
137	18	6.06e-03	5.83e-03	-6.36e-05	0.0	0.0	-20.99	0.23	0.25	-8.31e-06	-0.46	-0.44
		-0.44	-0.46	-4.15e-05	0.0	190.0	-19.70	0.23	0.25	-8.31e-06	5.83e-03	6.06e-03
137	23	0.40	9.64	1.68e-03	0.0	0.0	-18.68	3.04	-5.26	-2.93e-03	9.64	-5.54
		-5.54	-0.36	3.40e-03	0.0	190.0	-17.39	3.04	-5.26	-2.93e-03	-0.36	0.40
137	26	4.67	0.37	-1.81e-03	0.0	0.0	-23.31	-2.58	5.75	2.92e-03	-10.56	4.67
		-0.39	-10.56	-3.48e-03	0.0	190.0	-22.02	-2.58	5.75	2.92e-03	0.37	-0.39
137	31	0.42	8.59	1.79e-03	0.0	0.0	-19.54	3.71	-4.68	-2.59e-03	8.59	-6.70
		-6.70	-0.31	3.41e-03	0.0	190.0	-18.25	3.71	-4.68	-2.59e-03	-0.31	0.42
137	34	5.83	0.32	-1.91e-03	0.0	0.0	-22.45	-3.24	5.17	2.57e-03	-9.52	5.83
		-0.40	-9.52	-3.49e-03	0.0	190.0	-21.16	-3.24	5.17	2.57e-03	0.32	-0.40
137	36	3.08	0.11	4.81e-03	0.0	0.0	-16.60	-1.73	1.86	-4.62e-03	-3.43	3.08
		-0.23	-3.43	4.95e-03	0.0	190.0	-15.31	-1.73	1.86	-4.62e-03	0.11	-0.23
137	37	0.24	2.51	-4.94e-03	0.0	0.0	-25.38	2.20	-1.37	4.60e-03	2.51	-3.96
		-3.96	-0.10	-5.03e-03	0.0	190.0	-24.09	2.20	-1.37	4.60e-03	-0.10	0.24
137	55	0.29	6.91	1.24e-03	0.0	0.0	-19.27	2.35	-3.77	-2.15e-03	6.91	-4.29
		-4.29	-0.26	2.47e-03	0.0	190.0	-17.98	2.35	-3.77	-2.15e-03	-0.26	0.29
137	58	3.41	0.27	-1.37e-03	0.0	0.0	-22.72	-1.88	4.26	2.13e-03	-7.83	3.41
		-0.28	-7.83	-2.55e-03	0.0	190.0	-21.43	-1.88	4.26	2.13e-03	0.27	-0.28
137	68	2.27	0.08	3.59e-03	0.0	0.0	-17.67	-1.27	1.44	-3.43e-03	-2.66	2.27
		-0.16	-2.66	3.65e-03	0.0	190.0	-16.38	-1.27	1.44	-3.43e-03	0.08	-0.16
137	69	0.17	1.73	-3.72e-03	0.0	0.0	-24.31	1.73	-0.95	3.41e-03	1.73	-3.14
		-3.14	-0.07	-3.73e-03	0.0	190.0	-23.02	1.73	-0.95	3.41e-03	-0.07	0.17
137	79	0.27	5.41	-2.61e-03	0.0	0.0	-22.68	2.79	-2.95	1.63e-03	5.41	-5.07
		-5.07	-0.21	-1.48e-03	0.0	190.0	-21.39	2.79	-2.95	1.63e-03	-0.21	0.27
137	82	4.20	0.22	2.49e-03	0.0	0.0	-19.31	-2.32	3.44	-1.64e-03	-6.33	4.20
		-0.26	-6.33	1.40e-03	0.0	190.0	-18.02	-2.32	3.44	-1.64e-03	0.22	-0.26
137	87	0.26	6.05	1.09e-03	0.0	0.0	-19.47	2.11	-3.30	-1.90e-03	6.05	-3.85
		-3.85	-0.23	2.18e-03	0.0	190.0	-18.18	2.11	-3.30	-1.90e-03	-0.23	0.26
137	90	2.98	0.24	-1.22e-03	0.0	0.0	-22.52	-1.64	3.79	1.88e-03	-6.98	2.98
		-0.25	-6.98	-2.26e-03	0.0	190.0	-21.23	-1.64	3.79	1.88e-03	0.24	-0.25
137	100	1.97	0.08	3.18e-03	0.0	0.0	-18.05	-1.10	1.30	-3.04e-03	-2.40	1.97
		-0.14	-2.40	3.23e-03	0.0	190.0	-16.76	-1.10	1.30	-3.04e-03	0.08	-0.14
137	101	0.15	1.48	-3.31e-03	0.0	0.0	-23.94	1.57	-0.81	3.02e-03	1.48	-2.84
		-2.84	-0.06	-3.31e-03	0.0	190.0	-22.65	1.57	-0.81	3.02e-03	-0.06	0.15
137	111	0.24	4.73	-2.33e-03	0.0	0.0	-22.49	2.50	-2.58	1.44e-03	4.73	-4.55
		-4.55	-0.18	-1.31e-03	0.0	190.0	-21.20	2.50	-2.58	1.44e-03	-0.18	0.24
137	114	3.68	0.19	2.20e-03	0.0	0.0	-19.49	-2.03	3.07	-1.46e-03	-5.65	3.68
		-0.23	-5.65	1.23e-03	0.0	190.0	-18.20	-2.03	3.07	-1.46e-03	0.19	-0.23
137	119	0.48	11.67	2.04e-03	0.0	0.0	-18.20	3.60	-6.37	-3.54e-03	11.67	-6.53
		-6.53	-0.44	4.10e-03	0.0	190.0	-16.91	3.60	-6.37	-3.54e-03	-0.44	0.48
137	122	5.66	0.45	-2.16e-03	0.0	0.0	-23.79	-3.13	6.86	3.52e-03	-12.59	5.66
		-0.47	-12.59	-4.18e-03	0.0	190.0	-22.50	-3.13	6.86	3.52e-03	0.45	-0.47
137	127	0.50	10.45	2.18e-03	0.0	0.0	-19.24	4.42	-5.69	-3.13e-03	10.45	-7.98
		-7.98	-0.38	4.14e-03	0.0	190.0	-17.95	4.42	-5.69	-3.13e-03	-0.38	0.50
137	130	7.10	0.39	-2.30e-03	0.0	0.0	-22.75	-3.95	6.19	3.11e-03	-11.37	7.10
		-0.49	-11.37	-4.22e-03	0.0	190.0	-21.46	-3.95	6.19	3.11e-03	0.39	-0.49

137	132	3.77	0.14	5.82e-03	0.0	0.0	-15.70	-2.11	2.19	-5.57e-03	-4.03	3.77
		-0.27	-4.03	5.98e-03	0.0	190.0	-14.41	-2.11	2.19	-5.57e-03	0.14	-0.27
137	133	0.29	3.11	-5.95e-03	0.0	0.0	-26.29	2.58	-1.70	5.56e-03	3.11	-4.65
		-4.65	-0.12	-6.06e-03	0.0	190.0	-25.00	2.58	-1.70	5.56e-03	-0.12	0.29
138	1	-1.38e-03	-1.89e-03	1.58e-04	0.0	0.0	-27.10	0.03	0.15	-3.29e-05	-0.29	-0.05
		-0.05	-0.29	7.06e-05	0.0	190.0	-25.42	0.03	0.15	-3.29e-05	-1.89e-03	-1.38e-03
138	4	6.91e-03	0.21	3.55e-05	0.0	0.0	-20.61	0.42	-0.11	1.24e-04	0.21	-0.78
		-0.78	-4.78e-03	2.77e-04	0.0	190.0	-19.32	0.42	-0.11	1.24e-04	-4.78e-03	6.91e-03
138	8	4.80e-03	0.25	1.01e-04	0.0	0.0	-20.61	0.44	-0.13	8.41e-05	0.25	-0.84
		-0.84	-8.00e-03	3.05e-04	0.0	190.0	-19.32	0.44	-0.13	8.41e-05	-8.00e-03	4.80e-03
138	9	0.01	-7.75e-04	1.21e-04	0.0	0.0	-20.87	-8.37e-03	0.13	-1.85e-05	-0.25	0.01
		-1.30e-03	-0.25	3.67e-05	0.0	190.0	-19.58	-8.37e-03	0.13	-1.85e-05	-7.75e-04	-1.30e-03
138	10	4.21e-03	9.53e-03	4.66e-05	0.0	0.0	-20.70	0.24	-6.19e-03	7.08e-05	9.53e-03	-0.44
		-0.44	-2.23e-03	1.71e-04	0.0	190.0	-19.41	0.24	-6.19e-03	7.08e-05	-2.23e-03	4.21e-03
138	12	2.80e-03	0.03	9.21e-05	0.0	0.0	-20.71	0.25	-0.02	4.40e-05	0.03	-0.48
		-0.48	-4.37e-03	1.90e-04	0.0	190.0	-19.42	0.25	-0.02	4.40e-05	-4.37e-03	2.80e-03
138	13	0.27	3.09e-03	8.67e-05	0.0	0.0	-20.94	-0.14	0.21	-1.85e-05	-0.40	0.27
		-1.67e-03	-0.40	-5.17e-05	0.0	190.0	-19.65	-0.14	0.21	-1.85e-05	3.09e-03	-1.67e-03
138	14	0.04	2.37e-03	4.93e-05	0.0	0.0	-20.86	-0.02	0.14	2.62e-05	-0.27	0.04
		1.08e-03	-0.27	1.53e-05	0.0	190.0	-19.57	-0.02	0.14	2.62e-05	2.37e-03	1.08e-03
138	17	0.27	3.09e-03	8.67e-05	0.0	0.0	-20.94	-0.14	0.21	-1.85e-05	-0.40	0.27
		-1.67e-03	-0.40	-5.17e-05	0.0	190.0	-19.65	-0.14	0.21	-1.85e-05	3.09e-03	-1.67e-03
138	18	0.14	2.66e-03	6.43e-05	0.0	0.0	-20.89	-0.07	0.17	8.31e-06	-0.32	0.14
		-2.24e-05	-0.32	-1.15e-05	0.0	190.0	-19.60	-0.07	0.17	8.31e-06	2.66e-03	-2.24e-05
138	27	0.13	6.65	2.00e-03	0.0	0.0	-17.52	3.46	-3.56	2.53e-03	6.65	-6.45
		-6.45	-0.07	2.42e-03	0.0	190.0	-16.23	3.46	-3.56	2.53e-03	-0.07	0.13
138	30	6.73	0.08	-1.87e-03	0.0	0.0	-24.26	-3.60	3.91	-2.52e-03	-7.30	6.73
		-0.13	-7.30	-2.45e-03	0.0	190.0	-22.97	-3.60	3.91	-2.52e-03	0.08	-0.13
138	32	0.06	6.84	4.44e-03	0.0	0.0	-18.63	1.81	-3.67	4.54e-03	6.84	-3.39
		-3.39	-0.14	4.31e-03	0.0	190.0	-17.34	1.81	-3.67	4.54e-03	-0.14	0.06
138	33	3.67	0.15	-4.31e-03	0.0	0.0	-23.15	-1.96	4.02	-4.52e-03	-7.49	3.67
		-0.06	-7.49	-4.34e-03	0.0	190.0	-21.86	-1.96	4.02	-4.52e-03	0.15	-0.06
138	47	0.17	0.10	-3.25e-03	0.0	0.0	-18.40	3.52	1.80	-2.18e-03	-3.33	-6.53
		-6.53	-3.33	-2.38e-03	0.0	190.0	-17.11	3.52	1.80	-2.18e-03	0.10	0.17
138	50	6.80	2.68	3.38e-03	0.0	0.0	-23.39	-3.66	-1.46	2.19e-03	2.68	6.80
		-0.17	-0.10	2.36e-03	0.0	190.0	-22.10	-3.66	-1.46	2.19e-03	-0.10	-0.17
138	59	0.10	4.95	1.47e-03	0.0	0.0	-18.41	2.53	-2.66	1.86e-03	4.95	-4.72
		-4.72	-0.06	1.81e-03	0.0	190.0	-17.12	2.53	-2.66	1.86e-03	-0.06	0.10
138	62	4.99	0.06	-1.34e-03	0.0	0.0	-23.37	-2.67	3.00	-1.85e-03	-5.60	4.99
		-0.10	-5.60	-1.84e-03	0.0	190.0	-22.08	-2.67	3.00	-1.85e-03	0.06	-0.10
138	64	0.04	5.12	3.30e-03	0.0	0.0	-19.23	1.28	-2.75	3.36e-03	5.12	-2.39
		-2.39	-0.11	3.24e-03	0.0	190.0	-17.94	1.28	-2.75	3.36e-03	-0.11	0.04
138	65	2.67	0.11	-3.17e-03	0.0	0.0	-22.56	-1.42	3.09	-3.34e-03	-5.77	2.67
		-0.04	-5.77	-3.26e-03	0.0	190.0	-21.27	-1.42	3.09	-3.34e-03	0.11	-0.04
138	79	0.12	0.08	-2.43e-03	0.0	0.0	-19.06	2.62	1.42	-1.63e-03	-2.62	-4.87
		-4.87	-2.62	-1.81e-03	0.0	190.0	-17.77	2.62	1.42	-1.63e-03	0.08	0.12
138	82	5.14	1.98	2.56e-03	0.0	0.0	-22.72	-2.77	-1.08	1.64e-03	1.98	5.14
		-0.12	-0.07	1.79e-03	0.0	190.0	-21.43	-2.77	-1.08	1.64e-03	-0.07	-0.12
138	91	0.09	4.36	1.31e-03	0.0	0.0	-18.70	2.23	-2.34	1.65e-03	4.36	-4.16
		-4.16	-0.05	1.61e-03	0.0	190.0	-17.41	2.23	-2.34	1.65e-03	-0.05	0.09
138	94	4.43	0.05	-1.18e-03	0.0	0.0	-23.09	-2.37	2.68	-1.63e-03	-5.01	4.43
		-0.09	-5.01	-1.63e-03	0.0	190.0	-21.80	-2.37	2.68	-1.63e-03	0.05	-0.09
138	96	0.04	4.51	2.93e-03	0.0	0.0	-19.42	1.12	-2.42	2.97e-03	4.51	-2.10
		-2.10	-0.10	2.87e-03	0.0	190.0	-18.13	1.12	-2.42	2.97e-03	-0.10	0.04
138	97	2.37	0.10	-2.80e-03	0.0	0.0	-22.37	-1.26	2.76	-2.96e-03	-5.16	2.37
		-0.04	-5.16	-2.89e-03	0.0	190.0	-21.08	-1.26	2.76	-2.96e-03	0.10	-0.04
138	111	0.11	0.07	-2.15e-03	0.0	0.0	-19.27	2.32	1.28	-1.44e-03	-2.37	-4.31
		-4.31	-2.37	-1.61e-03	0.0	190.0	-17.98	2.32	1.28	-1.44e-03	0.07	0.11
138	114	4.58	1.72	2.28e-03	0.0	0.0	-22.51	-2.46	-0.94	1.46e-03	1.72	4.58
		-0.11	-0.06	1.59e-03	0.0	190.0	-21.22	-2.46	-0.94	1.46e-03	-0.06	-0.11
138	123	0.16	7.95	2.41e-03	0.0	0.0	-16.86	4.18	-4.26	3.06e-03	7.95	-7.80
		-7.80	-0.09	2.88e-03	0.0	190.0	-15.57	4.18	-4.26	3.06e-03	-0.09	0.16
138	126	8.07	0.09	-2.28e-03	0.0	0.0	-24.92	-4.32	4.60	-3.05e-03	-8.59	8.07
		-0.16	-8.59	-2.91e-03	0.0	190.0	-23.63	-4.32	4.60	-3.05e-03	0.09	-0.16
138	128	0.07	8.18	5.36e-03	0.0	0.0	-18.19	2.21	-4.39	5.49e-03	8.18	-4.13
		-4.13	-0.17	5.16e-03	0.0	190.0	-16.90	2.21	-4.39	5.49e-03	-0.17	0.07
138	129	4.40	0.18	-5.24e-03	0.0	0.0	-23.59	-2.35	4.73	-5.47e-03	-8.83	4.40
		-0.07	-8.83	-5.18e-03	0.0	190.0	-22.30	-2.35	4.73	-5.47e-03	0.18	-0.07
138	143	0.20	0.12	-3.95e-03	0.0	0.0	-17.90	4.24	2.14	-2.63e-03	-3.94	-7.87
		-7.87	-3.94	-2.88e-03	0.0	190.0	-16.61	4.24	2.14	-2.63e-03	0.12	0.20
138	146	8.14	3.29	4.07e-03	0.0	0.0	-23.89	-4.38	-1.79	2.65e-03	3.29	8.14
		-0.20	-0.12	2.86e-03	0.0	190.0	-22.60	-4.38	-1.79	2.65e-03	-0.12	-0.20
141	1	0.02	0.86	1.85e-04	0.0	0.0	-3.71	-9.84e-03	-0.94	-4.94e-04	0.86	0.02
		4.01e-03	-0.92	1.72e-04	0.0	190.0	-2.20	-9.84e-03	-0.94	-4.94e-04	-0.92	4.01e-03
141	4	1.40e-03	1.55	3.03e-04	0.0	0.0	-2.84	0.01	-1.61	-1.30e-03	1.55	-0.02

		-0.02	-1.52	3.55e-04	0.0	190.0	-1.68	0.01	-1.61	-1.30e-03	-1.52	1.40e-03
141	6	2.85e-03	1.80	3.56e-04	0.0	0.0	-3.68	3.33e-03	-1.88	-1.37e-03	1.80	-3.47e-03
		-3.47e-03	-1.78	4.02e-04	0.0	190.0	-2.18	3.33e-03	-1.88	-1.37e-03	-1.78	2.85e-03
141	8	1.86e-03	1.67	3.39e-04	0.0	0.0	-2.83	8.07e-03	-1.73	-1.22e-03	1.67	-0.01
		-0.01	-1.63	3.84e-04	0.0	190.0	-1.67	8.07e-03	-1.73	-1.22e-03	-1.63	1.86e-03
141	9	0.02	0.58	1.30e-04	0.0	0.0	-2.86	-6.85e-03	-0.64	-3.01e-04	0.58	0.02
		3.07e-03	-0.64	1.15e-04	0.0	190.0	-1.70	-6.85e-03	-0.64	-3.01e-04	-0.64	3.07e-03
141	10	1.98e-03	1.12	2.20e-04	0.0	0.0	-2.85	4.58e-03	-1.19	-9.43e-04	1.12	-6.71e-03
		-6.71e-03	-1.14	2.49e-04	0.0	190.0	-1.69	4.58e-03	-1.19	-9.43e-04	-1.14	1.98e-03
141	12	2.29e-03	1.20	2.44e-04	0.0	0.0	-2.84	1.93e-03	-1.27	-8.85e-04	1.20	-1.37e-03
		-1.37e-03	-1.21	2.68e-04	0.0	190.0	-1.68	1.93e-03	-1.27	-8.85e-04	-1.21	2.29e-03
141	13	0.02	0.21	5.35e-05	0.0	0.0	-2.87	-8.02e-03	-0.27	-1.00e-04	0.21	0.02
		3.09e-03	-0.31	2.81e-05	0.0	190.0	-1.72	-8.02e-03	-0.27	-1.00e-04	-0.31	3.09e-03
141	14	6.93e-03	0.48	9.85e-05	0.0	0.0	-2.87	-2.30e-03	-0.55	-4.21e-04	0.48	6.93e-03
		2.55e-03	-0.56	9.30e-05	0.0	190.0	-1.71	-2.30e-03	-0.55	-4.21e-04	-0.56	2.55e-03
141	16	0.01	0.50	1.06e-04	0.0	0.0	-2.87	-4.20e-03	-0.56	-3.60e-04	0.50	0.01
		2.76e-03	-0.57	9.59e-05	0.0	190.0	-1.71	-4.20e-03	-0.56	-3.60e-04	-0.57	2.76e-03
141	17	0.02	0.21	5.35e-05	0.0	0.0	-2.87	-8.02e-03	-0.27	-1.00e-04	0.21	0.02
		3.09e-03	-0.31	2.81e-05	0.0	190.0	-1.72	-8.02e-03	-0.27	-1.00e-04	-0.31	3.09e-03
141	18	0.01	0.37	8.05e-05	0.0	0.0	-2.87	-4.59e-03	-0.44	-2.92e-04	0.37	0.01
		2.77e-03	-0.46	6.62e-05	0.0	190.0	-1.71	-4.59e-03	-0.44	-2.92e-04	-0.46	2.77e-03
141	19	-0.20	11.88	1.07e-03	0.0	0.0	-1.79	0.31	-11.83	0.01	11.88	-1.24
		-1.24	-10.61	2.69e-03	0.0	190.0	-0.63	0.31	-11.83	0.01	-10.61	-0.20
141	22	1.26	9.69	-9.11e-04	0.0	0.0	-3.95	-0.32	10.96	-0.01	-11.13	1.26
		0.21	-11.13	-2.55e-03	0.0	190.0	-2.79	-0.32	10.96	-0.01	9.69	0.21
141	24	-0.10	19.70	2.78e-03	0.0	0.0	-2.16	0.60	-19.59	7.02e-03	19.70	-0.67
		-0.67	-17.51	4.58e-03	0.0	190.0	-1.00	0.60	-19.59	7.02e-03	-17.51	-0.10
141	25	0.69	16.60	-2.62e-03	0.0	0.0	-3.58	-0.61	18.71	-7.61e-03	-18.95	0.69
		0.10	-18.95	-4.45e-03	0.0	190.0	-2.42	-0.61	18.71	-7.61e-03	16.60	0.10
141	35	-0.22	6.29	-2.22e-03	0.0	0.0	-1.96	-0.37	7.14	0.01	-7.28	-1.24
		-1.24	-7.28	-1.83e-03	0.0	190.0	-0.81	-0.37	7.14	0.01	6.29	-0.22
141	38	1.26	8.03	2.38e-03	0.0	0.0	-3.78	0.36	-8.02	-0.01	8.03	1.26
		0.23	-7.20	1.96e-03	0.0	190.0	-2.62	0.36	-8.02	-0.01	-7.20	0.23
141	51	-0.15	8.89	8.22e-04	0.0	0.0	-2.07	0.21	-8.88	9.50e-03	8.89	-0.93
		-0.93	-7.98	2.00e-03	0.0	190.0	-0.91	0.21	-8.88	9.50e-03	-7.98	-0.15
141	54	0.95	7.06	-6.61e-04	0.0	0.0	-3.67	-0.22	8.00	-0.01	-8.14	0.95
		0.16	-8.14	-1.87e-03	0.0	190.0	-2.51	-0.22	8.00	-0.01	7.06	0.16
141	56	-0.07	14.78	2.11e-03	0.0	0.0	-2.35	0.45	-14.72	5.08e-03	14.78	-0.47
		-0.47	-13.18	3.43e-03	0.0	190.0	-1.19	0.45	-14.72	5.08e-03	-13.18	-0.07
141	57	0.49	12.26	-1.95e-03	0.0	0.0	-3.39	-0.46	13.84	-5.67e-03	-14.03	0.49
		0.08	-14.03	-3.30e-03	0.0	190.0	-2.24	-0.46	13.84	-5.67e-03	12.26	0.08
141	67	-0.17	4.62	-1.66e-03	0.0	0.0	-2.20	-0.31	5.27	8.63e-03	-5.39	-0.97
		-0.97	-5.39	-1.36e-03	0.0	190.0	-1.04	-0.31	5.27	8.63e-03	4.62	-0.17
141	70	0.99	6.14	1.82e-03	0.0	0.0	-3.54	0.30	-6.15	-9.21e-03	6.14	0.99
		0.17	-5.54	1.49e-03	0.0	190.0	-2.38	0.30	-6.15	-9.21e-03	-5.54	0.17
141	83	-0.13	7.92	7.38e-04	0.0	0.0	-2.16	0.19	-7.91	8.40e-03	7.92	-0.82
		-0.82	-7.12	1.78e-03	0.0	190.0	-1.00	0.19	-7.91	8.40e-03	-7.12	-0.13
141	86	0.84	6.20	-5.77e-04	0.0	0.0	-3.58	-0.20	7.04	-8.98e-03	-7.17	0.84
		0.14	-7.17	-1.65e-03	0.0	190.0	-2.42	-0.20	7.04	-8.98e-03	6.20	0.14
141	88	-0.06	13.15	1.88e-03	0.0	0.0	-2.41	0.40	-13.09	4.47e-03	13.15	-0.41
		-0.41	-11.73	3.05e-03	0.0	190.0	-1.25	0.40	-13.09	4.47e-03	-11.73	-0.06
141	89	0.43	10.82	-1.72e-03	0.0	0.0	-3.33	-0.41	12.22	-5.05e-03	-12.40	0.43
		0.07	-12.40	-2.91e-03	0.0	190.0	-2.18	-0.41	12.22	-5.05e-03	10.82	0.07
141	99	-0.15	4.05	-1.46e-03	0.0	0.0	-2.28	-0.28	4.63	7.64e-03	-4.74	-0.87
		-0.87	-4.74	-1.20e-03	0.0	190.0	-1.12	-0.28	4.63	7.64e-03	4.05	-0.15
141	102	0.89	5.49	1.62e-03	0.0	0.0	-3.47	0.27	-5.51	-8.22e-03	5.49	0.89
		0.15	-4.97	1.33e-03	0.0	190.0	-2.31	0.27	-5.51	-8.22e-03	-4.97	0.15
141	115	-0.24	14.18	1.29e-03	0.0	0.0	-1.58	0.37	-14.11	0.02	14.18	-1.48
		-1.48	-12.64	3.22e-03	0.0	190.0	-0.42	0.37	-14.11	0.02	-12.64	-0.24
141	118	1.50	11.72	-1.13e-03	0.0	0.0	-4.16	-0.38	13.24	-0.02	-13.43	1.50
		0.25	-13.43	-3.08e-03	0.0	190.0	-3.00	-0.38	13.24	-0.02	11.72	0.25
141	120	-0.11	23.59	3.35e-03	0.0	0.0	-2.02	0.72	-23.44	8.40e-03	23.59	-0.81
		-0.81	-20.94	5.50e-03	0.0	190.0	-0.86	0.72	-23.44	8.40e-03	-20.94	-0.11
141	121	0.83	20.02	-3.19e-03	0.0	0.0	-3.72	-0.73	22.56	-8.98e-03	-22.84	0.83
		0.12	-22.84	-5.36e-03	0.0	190.0	-2.56	-0.73	22.56	-8.98e-03	20.02	0.12
144	1	0.01	0.19	-6.90e-05	0.0	0.0	-3.64	-3.54e-04	0.09	2.40e-04	0.01	0.01
		0.01	0.01	5.81e-05	0.0	190.0	-2.13	-3.54e-04	0.09	2.40e-04	0.19	0.01
144	2	0.04	0.74	-2.21e-04	0.0	0.0	-3.39	-0.01	0.55	1.16e-03	-0.30	0.04
		0.02	-0.30	-6.40e-05	0.0	190.0	-1.89	-0.01	0.55	1.16e-03	0.74	0.02
144	4	0.03	0.64	-2.05e-04	0.0	0.0	-2.54	-6.88e-03	0.50	1.08e-03	-0.31	0.03
		0.02	-0.31	-5.15e-05	0.0	190.0	-1.38	-6.88e-03	0.50	1.08e-03	0.64	0.02
144	7	0.01	0.04	-6.02e-05	0.0	0.0	-2.77	0.01	0.03	3.08e-04	-5.99e-03	-0.01
		-0.01	-5.99e-03	1.04e-04	0.0	190.0	-1.61	0.01	0.03	3.08e-04	0.04	0.01
144	9	0.01	0.14	-5.04e-05	0.0	0.0	-2.80	-1.25e-03	0.07	1.30e-04	0.01	0.01
		8.74e-03	0.01	4.43e-05	0.0	190.0	-1.64	-1.25e-03	0.07	1.30e-04	0.14	8.74e-03

144	10	0.03	0.50	-1.52e-04	0.0	0.0	-2.63	-7.94e-03	0.37	7.43e-04	-0.20	0.03
		0.02	-0.20	-3.93e-05	0.0	190.0	-1.48	-7.94e-03	0.37	7.43e-04	0.50	0.02
144	11	9.89e-03	0.11	-5.56e-05	0.0	0.0	-2.79	4.16e-03	0.05	2.28e-04	4.09e-03	1.99e-03
		1.99e-03	4.09e-03	6.79e-05	0.0	190.0	-1.63	4.16e-03	0.05	2.28e-04	0.11	9.89e-03
144	13	0.02	0.19	-4.27e-05	0.0	0.0	-2.81	-9.36e-03	0.09	-1.70e-05	0.03	0.02
		7.02e-03	0.03	8.81e-06	0.0	190.0	-1.65	-9.36e-03	0.09	-1.70e-05	0.19	7.02e-03
144	14	0.03	0.38	-9.35e-05	0.0	0.0	-2.73	-0.01	0.24	2.90e-04	-0.07	0.03
		0.01	-0.07	-3.62e-05	0.0	190.0	-1.57	-0.01	0.24	2.90e-04	0.38	0.01
144	17	0.02	0.19	-4.27e-05	0.0	0.0	-2.81	-9.36e-03	0.09	-1.70e-05	0.03	0.02
		7.02e-03	0.03	8.81e-06	0.0	190.0	-1.65	-9.36e-03	0.09	-1.70e-05	0.19	7.02e-03
144	18	0.03	0.30	-7.32e-05	0.0	0.0	-2.76	-0.01	0.18	1.67e-04	-0.03	0.03
		9.00e-03	-0.03	-2.34e-05	0.0	190.0	-1.60	-0.01	0.18	1.67e-04	0.30	9.00e-03
144	20	-0.28	8.12	-1.48e-04	0.0	0.0	-2.30	1.06	-10.62	-0.01	8.12	-2.37
		-2.37	-12.06	4.17e-03	0.0	190.0	-1.14	1.06	-10.62	-0.01	-12.06	-0.28
144	21	2.43	12.66	-5.09e-05	0.0	0.0	-3.23	-1.08	10.97	0.01	-8.19	2.43
		0.30	-8.19	-4.19e-03	0.0	190.0	-2.07	-1.08	10.97	0.01	12.66	0.30
144	31	-0.29	13.79	-8.06e-04	0.0	0.0	-1.68	0.60	12.01	0.01	-9.04	-1.28
		-1.28	-9.04	1.81e-03	0.0	190.0	-0.52	0.60	12.01	0.01	13.79	-0.29
144	34	1.34	8.97	6.59e-04	0.0	0.0	-3.84	-0.62	-11.65	-0.01	8.97	1.34
		0.31	-13.18	-1.84e-03	0.0	190.0	-2.68	-0.62	-11.65	-0.01	-13.18	0.31
144	47	0.85	15.69	7.19e-04	0.0	0.0	-1.85	-0.39	13.57	9.07e-03	-10.10	0.85
		-0.28	-10.10	-3.35e-03	0.0	190.0	-0.69	-0.39	13.57	9.07e-03	15.69	-0.28
144	50	0.29	10.04	-8.66e-04	0.0	0.0	-3.68	0.37	-13.22	-8.74e-03	10.04	-0.79
		-0.79	-15.08	3.32e-03	0.0	190.0	-2.52	0.37	-13.22	-8.74e-03	-15.08	0.29
144	52	-0.20	6.08	-2.13e-04	0.0	0.0	-2.42	0.80	-7.91	-7.41e-03	6.08	-1.76
		-1.76	-8.95	3.12e-03	0.0	190.0	-1.27	0.80	-7.91	-7.41e-03	-8.95	-0.20
144	53	1.82	9.56	6.69e-05	0.0	0.0	-3.10	-0.82	8.26	7.74e-03	-6.14	1.82
		0.22	-6.14	-3.14e-03	0.0	190.0	-1.94	-0.82	8.26	7.74e-03	9.56	0.22
144	63	-0.21	10.25	-6.26e-04	0.0	0.0	-1.98	0.46	8.90	8.10e-03	-6.67	-0.96
		-0.96	-6.67	1.31e-03	0.0	190.0	-0.82	0.46	8.90	8.10e-03	10.25	-0.21
144	66	1.03	6.60	4.79e-04	0.0	0.0	-3.54	-0.48	-8.54	-7.76e-03	6.60	1.03
		0.23	-9.64	-1.34e-03	0.0	190.0	-2.39	-0.48	-8.54	-7.76e-03	-9.64	0.23
144	79	0.65	11.78	5.65e-04	0.0	0.0	-2.09	-0.30	10.17	6.89e-03	-7.55	0.65
		-0.20	-7.55	-2.53e-03	0.0	190.0	-0.94	-0.30	10.17	6.89e-03	11.78	-0.20
144	82	0.22	7.48	-7.12e-04	0.0	0.0	-3.43	0.28	-9.82	-6.55e-03	7.48	-0.59
		-0.59	-11.18	2.50e-03	0.0	190.0	-2.27	0.28	-9.82	-6.55e-03	-11.18	0.22
144	84	-0.18	5.38	-2.07e-04	0.0	0.0	-2.46	0.71	-6.99	-6.55e-03	5.38	-1.56
		-1.56	-7.90	2.76e-03	0.0	190.0	-1.31	0.71	-6.99	-6.55e-03	-7.90	-0.18
144	85	1.62	8.51	6.08e-05	0.0	0.0	-3.06	-0.73	7.34	6.88e-03	-5.45	1.62
		0.19	-5.45	-2.79e-03	0.0	190.0	-1.90	-0.73	7.34	6.88e-03	8.51	0.19
144	95	-0.19	9.11	-5.64e-04	0.0	0.0	-2.07	0.41	7.90	7.19e-03	-5.90	-0.85
		-0.85	-5.90	1.16e-03	0.0	190.0	-0.91	0.41	7.90	7.19e-03	9.11	-0.19
144	98	0.92	5.84	4.17e-04	0.0	0.0	-3.45	-0.43	-7.54	-6.85e-03	5.84	0.92
		0.20	-8.50	-1.19e-03	0.0	190.0	-2.30	-0.43	-7.54	-6.85e-03	-8.50	0.20
144	111	0.58	10.48	4.98e-04	0.0	0.0	-2.17	-0.27	9.04	6.12e-03	-6.70	0.58
		-0.18	-6.70	-2.24e-03	0.0	190.0	-1.01	-0.27	9.04	6.12e-03	10.48	-0.18
144	114	0.19	6.63	-6.44e-04	0.0	0.0	-3.35	0.24	-8.68	-5.79e-03	6.63	-0.52
		-0.52	-9.88	2.22e-03	0.0	190.0	-2.19	0.24	-8.68	-5.79e-03	-9.88	0.19
144	116	-0.34	9.78	-1.48e-04	0.0	0.0	-2.20	1.27	-12.82	-0.01	9.78	-2.84
		-2.84	-14.59	5.03e-03	0.0	190.0	-1.05	1.27	-12.82	-0.01	-14.59	-0.34
144	117	2.90	15.19	-6.07e-05	0.0	0.0	-3.32	-1.29	13.18	0.01	-9.85	2.90
		0.36	-9.85	-5.06e-03	0.0	190.0	-2.16	-1.29	13.18	0.01	15.19	0.36
144	127	-0.36	16.61	-9.58e-04	0.0	0.0	-1.46	0.72	14.48	0.01	-10.92	-1.53
		-1.53	-10.92	2.20e-03	0.0	190.0	-0.30	0.72	14.48	0.01	16.61	-0.36
144	130	1.59	10.85	8.12e-04	0.0	0.0	-4.07	-0.74	-14.13	-0.01	10.85	1.59
		0.37	-16.00	-2.23e-03	0.0	190.0	-2.91	-0.74	-14.13	-0.01	-16.00	0.37
144	143	1.02	18.89	8.74e-04	0.0	0.0	-1.66	-0.47	16.36	0.01	-12.20	1.02
		-0.33	-12.20	-4.05e-03	0.0	190.0	-0.50	-0.47	16.36	0.01	18.89	-0.33
144	146	0.35	12.13	-1.02e-03	0.0	0.0	-3.87	0.44	-16.00	-0.01	12.13	-0.96
		-0.96	-18.29	4.02e-03	0.0	190.0	-2.71	0.44	-16.00	-0.01	-18.29	0.35
145	2	-0.16	0.23	-1.85e-04	0.0	0.0	-28.46	0.02	-0.05	7.00e-05	0.23	-0.26
		-0.26	9.97e-03	3.58e-04	0.0	440.0	-24.97	0.02	-0.05	7.00e-05	9.97e-03	-0.16
145	3	-0.08	0.21	-7.16e-05	0.0	0.0	-18.58	2.57e-03	-0.07	1.49e-04	0.21	-0.09
		-0.09	-0.08	2.67e-04	0.0	440.0	-15.90	2.57e-03	-0.07	1.49e-04	-0.08	-0.08
145	7	-0.11	0.36	-9.51e-05	0.0	0.0	-18.09	3.09e-03	-0.12	2.61e-04	0.36	-0.12
		-0.12	-0.17	4.26e-04	0.0	440.0	-15.41	3.09e-03	-0.12	2.61e-04	-0.17	-0.11
145	8	-0.16	0.38	-1.65e-04	0.0	0.0	-18.46	0.02	-0.12	2.04e-04	0.38	-0.23
		-0.23	-0.14	4.81e-04	0.0	440.0	-15.78	0.02	-0.12	2.04e-04	-0.14	-0.16
145	9	-0.07	0.13	-6.11e-05	0.0	0.0	-20.37	2.72e-03	-0.03	9.66e-05	0.13	-0.08
		-0.08	-0.02	1.89e-04	0.0	440.0	-17.69	2.72e-03	-0.03	9.66e-05	-0.02	-0.07
145	10	-0.11	0.15	-1.27e-04	0.0	0.0	-20.73	0.01	-0.03	4.29e-05	0.15	-0.18
		-0.18	7.57e-03	2.41e-04	0.0	440.0	-18.05	0.01	-0.03	4.29e-05	7.57e-03	-0.11
145	11	-0.09	0.23	-7.68e-05	0.0	0.0	-20.04	3.06e-03	-0.07	1.71e-04	0.23	-0.10
		-0.10	-0.08	2.95e-04	0.0	440.0	-17.36	3.06e-03	-0.07	1.71e-04	-0.08	-0.09
145	12	-0.12	0.25	-1.23e-04	0.0	0.0	-20.29	0.01	-0.07	1.33e-04	0.25	-0.17

		-0.17	-0.06	3.32e-04	0.0	440.0	-17.61	0.01	-0.07	1.33e-04	-0.06	-0.12
145	13	-0.04	0.07	-3.76e-05	0.0	0.0	-20.87	2.20e-03	0.02	-1.45e-05	-0.02	-0.05
		-0.05	-0.02	2.99e-05	0.0	440.0	-18.19	2.20e-03	0.02	-1.45e-05	0.07	-0.04
145	14	-0.06	0.09	-7.08e-05	0.0	0.0	-21.05	8.33e-03	0.02	-4.13e-05	-6.17e-03	-0.10
		-0.10	-6.17e-03	5.60e-05	0.0	440.0	-18.37	8.33e-03	0.02	-4.13e-05	0.09	-0.06
145	15	-0.05	0.04	-4.55e-05	0.0	0.0	-20.70	2.37e-03	1.79e-03	2.26e-05	0.03	-0.06
		-0.06	0.03	8.29e-05	0.0	440.0	-18.02	2.37e-03	1.79e-03	2.26e-05	0.04	-0.05
145	17	-0.04	0.07	-3.76e-05	0.0	0.0	-20.87	2.20e-03	0.02	-1.45e-05	-0.02	-0.05
		-0.05	-0.02	2.99e-05	0.0	440.0	-18.19	2.20e-03	0.02	-1.45e-05	0.07	-0.04
145	18	-0.05	0.08	-5.75e-05	0.0	0.0	-20.97	5.88e-03	0.02	-3.06e-05	-0.01	-0.08
		-0.08	-0.01	4.56e-05	0.0	440.0	-18.29	5.88e-03	0.02	-3.06e-05	0.08	-0.05
145	20	0.72	2.90	-6.08e-03	0.0	0.0	-9.25	2.57	-1.03	-0.02	2.90	-11.24
		-11.24	-1.62	3.21e-03	0.0	440.0	-6.57	2.57	-1.03	-0.02	-1.62	0.72
145	21	11.08	1.78	5.97e-03	0.0	0.0	-32.70	-2.55	1.07	0.02	-2.92	11.08
		-0.83	-2.92	-3.12e-03	0.0	440.0	-30.02	-2.55	1.07	0.02	1.78	-0.83
145	48	-0.78	3.78	-4.82e-03	0.0	0.0	-5.55	1.84	-1.34	-0.01	3.78	-8.61
		-8.61	-2.13	4.17e-03	0.0	440.0	-2.87	1.84	-1.34	-0.01	-2.13	-0.78
145	49	8.45	2.29	4.70e-03	0.0	0.0	-36.40	-1.83	1.38	0.01	-3.80	8.45
		0.67	-3.80	-4.08e-03	0.0	440.0	-33.72	-1.83	1.38	0.01	2.29	0.67
145	52	0.57	2.16	-4.49e-03	0.0	0.0	-12.17	1.89	-0.76	-0.01	2.16	-8.30
		-8.30	-1.18	2.41e-03	0.0	440.0	-9.49	1.89	-0.76	-0.01	-1.18	0.57
145	53	8.14	1.34	4.38e-03	0.0	0.0	-29.78	-1.88	0.80	0.01	-2.18	8.14
		-0.67	-2.18	-2.31e-03	0.0	440.0	-27.10	-1.88	0.80	0.01	1.34	-0.67
145	80	-0.62	2.82	-3.62e-03	0.0	0.0	-9.40	1.38	-1.00	-0.01	2.82	-6.46
		-6.46	-1.57	3.13e-03	0.0	440.0	-6.72	1.38	-1.00	-0.01	-1.57	-0.62
145	81	6.30	1.73	3.50e-03	0.0	0.0	-32.55	-1.37	1.04	0.01	-2.84	6.30
		0.52	-2.84	-3.04e-03	0.0	440.0	-29.87	-1.37	1.04	0.01	1.73	0.52
145	84	0.50	1.91	-3.98e-03	0.0	0.0	-13.16	1.67	-0.67	-0.01	1.91	-7.35
		-7.35	-1.04	2.14e-03	0.0	440.0	-10.48	1.67	-0.67	-0.01	-1.04	0.50
145	85	7.19	1.20	3.87e-03	0.0	0.0	-28.79	-1.66	0.71	0.01	-1.93	7.19
		-0.61	-1.93	-2.05e-03	0.0	440.0	-26.10	-1.66	0.71	0.01	1.20	-0.61
145	112	-0.56	2.50	-3.21e-03	0.0	0.0	-10.71	1.22	-0.88	-9.50e-03	2.50	-5.73
		-5.73	-1.38	2.78e-03	0.0	440.0	-8.02	1.22	-0.88	-9.50e-03	-1.38	-0.56
145	113	5.57	1.54	3.10e-03	0.0	0.0	-31.24	-1.21	0.92	9.43e-03	-2.52	5.57
		0.45	-2.52	-2.69e-03	0.0	440.0	-28.56	-1.21	0.92	9.43e-03	1.54	0.45
145	116	0.85	3.50	-7.32e-03	0.0	0.0	-6.81	3.09	-1.24	-0.02	3.50	-13.54
		-13.54	-1.97	3.86e-03	0.0	440.0	-4.13	3.09	-1.24	-0.02	-1.97	0.85
145	117	13.38	2.13	7.21e-03	0.0	0.0	-35.14	-3.08	1.28	0.02	-3.52	13.38
		-0.96	-3.52	-3.77e-03	0.0	440.0	-32.46	-3.08	1.28	0.02	2.13	-0.96
145	144	-0.91	4.57	-5.80e-03	0.0	0.0	-2.32	2.21	-1.63	-0.02	4.57	-10.37
		-10.37	-2.59	5.03e-03	0.0	440.0	0.36	2.21	-1.63	-0.02	-2.59	-0.91
145	145	10.21	2.75	5.69e-03	0.0	0.0	-39.63	-2.20	1.67	0.02	-4.60	10.21
		0.80	-4.60	-4.94e-03	0.0	440.0	-36.95	-2.20	1.67	0.02	2.75	0.80
146	2	-0.14	0.60	-3.65e-04	0.0	0.0	-19.29	6.52e-03	-0.32	-7.51e-05	0.60	-0.16
		-0.16	-0.54	7.81e-04	0.0	360.0	-16.44	6.52e-03	-0.32	-7.51e-05	-0.54	-0.14
146	3	-0.07	0.24	-1.56e-04	0.0	0.0	-12.55	3.75e-03	-0.13	2.30e-04	0.24	-0.08
		-0.08	-0.21	3.94e-04	0.0	360.0	-10.35	3.75e-03	-0.13	2.30e-04	-0.21	-0.07
146	6	-0.14	0.66	-3.62e-04	0.0	0.0	-18.89	7.59e-03	-0.35	1.82e-04	0.66	-0.17
		-0.17	-0.61	8.79e-04	0.0	360.0	-16.04	7.59e-03	-0.35	1.82e-04	-0.61	-0.14
146	7	-0.09	0.43	-2.08e-04	0.0	0.0	-12.29	5.58e-03	-0.23	4.01e-04	0.43	-0.11
		-0.11	-0.40	5.97e-04	0.0	360.0	-10.10	5.58e-03	-0.23	4.01e-04	-0.40	-0.09
146	8	-0.13	0.71	-3.34e-04	0.0	0.0	-12.62	7.34e-03	-0.39	1.99e-04	0.71	-0.16
		-0.16	-0.68	8.41e-04	0.0	360.0	-10.43	7.34e-03	-0.39	1.99e-04	-0.68	-0.13
146	9	-0.06	0.13	-1.32e-04	0.0	0.0	-13.71	2.82e-03	-0.06	1.41e-04	0.13	-0.07
		-0.07	-0.10	2.97e-04	0.0	360.0	-11.52	2.82e-03	-0.06	1.41e-04	-0.10	-0.06
146	10	-0.10	0.40	-2.53e-04	0.0	0.0	-14.03	4.49e-03	-0.21	-5.14e-05	0.40	-0.11
		-0.11	-0.37	5.30e-04	0.0	360.0	-11.84	4.49e-03	-0.21	-5.14e-05	-0.37	-0.10
146	11	-0.07	0.25	-1.67e-04	0.0	0.0	-13.54	4.03e-03	-0.13	2.55e-04	0.25	-0.09
		-0.09	-0.22	4.32e-04	0.0	360.0	-11.35	4.03e-03	-0.13	2.55e-04	-0.22	-0.07
146	12	-0.10	0.44	-2.51e-04	0.0	0.0	-13.76	5.21e-03	-0.24	1.20e-04	0.44	-0.12
		-0.12	-0.41	5.95e-04	0.0	360.0	-11.57	5.21e-03	-0.24	1.20e-04	-0.41	-0.10
146	13	-0.04	0.09	-8.06e-05	0.0	0.0	-13.97	9.92e-04	0.04	-2.96e-05	-0.05	-0.04
		-0.04	-0.05	9.44e-05	0.0	360.0	-11.78	9.92e-04	0.04	-2.96e-05	0.09	-0.04
146	14	-0.06	0.08	-1.41e-04	0.0	0.0	-14.13	1.83e-03	-0.04	-1.26e-04	0.08	-0.06
		-0.06	-0.05	2.11e-04	0.0	360.0	-11.93	1.83e-03	-0.04	-1.26e-04	-0.05	-0.06
146	15	-0.04	0.02	-9.78e-05	0.0	0.0	-13.89	1.60e-03	4.21e-03	2.73e-05	8.81e-03	-0.05
		-0.05	8.81e-03	1.62e-04	0.0	360.0	-11.69	1.60e-03	4.21e-03	2.73e-05	0.02	-0.04
146	16	-0.06	0.09	-1.34e-04	0.0	0.0	-13.98	2.10e-03	-0.04	-3.05e-05	0.09	-0.06
		-0.06	-0.06	2.32e-04	0.0	360.0	-11.79	2.10e-03	-0.04	-3.05e-05	-0.06	-0.06
146	17	-0.04	0.09	-8.06e-05	0.0	0.0	-13.97	9.92e-04	0.04	-2.96e-05	-0.05	-0.04
		-0.04	-0.05	9.44e-05	0.0	360.0	-11.78	9.92e-04	0.04	-2.96e-05	0.09	-0.04
146	18	-0.05	0.03	-1.17e-04	0.0	0.0	-14.07	1.49e-03	-6.84e-03	-8.73e-05	0.03	-0.05
		-0.05	5.06e-03	1.64e-04	0.0	360.0	-11.87	1.49e-03	-6.84e-03	-8.73e-05	5.06e-03	-0.05
146	20	3.94	4.41	-6.90e-03	0.0	0.0	-7.21	1.11	-2.37	-0.01	4.41	0.72
		0.72	-4.13	4.81e-03	0.0	360.0	-5.02	1.11	-2.37	-0.01	-4.13	3.94

146	21	-0.83	4.14	6.67e-03	0.0	0.0	-20.92	-1.10	2.36	0.01	-4.35	-0.83
		-4.03	-4.35	-4.48e-03	0.0	360.0	-18.72	-1.10	2.36	0.01	4.14	-4.03
146	48	2.51	5.77	-6.01e-03	0.0	0.0	-5.07	0.85	-3.11	5.76e-03	5.77	-0.79
		-0.79	-5.43	6.24e-03	0.0	360.0	-2.87	0.85	-3.11	5.76e-03	-5.43	2.51
146	49	0.68	5.44	5.77e-03	0.0	0.0	-23.06	-0.85	3.10	-5.94e-03	-5.71	0.68
		-2.61	-5.71	-5.91e-03	0.0	360.0	-20.87	-0.85	3.10	-5.94e-03	5.44	-2.61
146	52	2.89	3.31	-5.13e-03	0.0	0.0	-8.91	0.82	-1.78	-0.01	3.31	0.56
		0.56	-3.10	3.65e-03	0.0	360.0	-6.72	0.82	-1.78	-0.01	-3.10	2.89
146	53	-0.67	3.11	4.90e-03	0.0	0.0	-19.22	-0.82	1.77	0.01	-3.25	-0.67
		-2.99	-3.25	-3.32e-03	0.0	360.0	-17.02	-0.82	1.77	0.01	3.11	-2.99
146	80	1.88	4.34	-4.53e-03	0.0	0.0	-7.30	0.64	-2.34	4.20e-03	4.34	-0.63
		-0.63	-4.08	4.72e-03	0.0	360.0	-5.11	0.64	-2.34	4.20e-03	-4.08	1.88
146	81	0.52	4.09	4.30e-03	0.0	0.0	-20.83	-0.64	2.32	-4.37e-03	-4.28	0.52
		-1.98	-4.28	-4.39e-03	0.0	360.0	-18.63	-0.64	2.32	-4.37e-03	4.09	-1.98
146	84	2.55	2.94	-4.56e-03	0.0	0.0	-9.49	0.73	-1.58	-9.59e-03	2.94	0.50
		0.50	-2.75	3.25e-03	0.0	360.0	-7.30	0.73	-1.58	-9.59e-03	-2.75	2.55
146	85	-0.61	2.76	4.32e-03	0.0	0.0	-18.64	-0.73	1.57	9.41e-03	-2.88	-0.61
		-2.65	-2.88	-2.92e-03	0.0	360.0	-16.44	-0.73	1.57	9.41e-03	2.76	-2.65
146	112	1.66	3.85	-4.03e-03	0.0	0.0	-8.07	0.57	-2.07	3.70e-03	3.85	-0.57
		-0.57	-3.62	4.21e-03	0.0	360.0	-5.87	0.57	-2.07	3.70e-03	-3.62	1.66
146	113	0.46	3.63	3.80e-03	0.0	0.0	-20.06	-0.57	2.06	-3.87e-03	-3.79	0.46
		-1.76	-3.79	-3.88e-03	0.0	360.0	-17.87	-0.57	2.06	-3.87e-03	3.63	-1.76
146	116	4.74	5.32	-8.30e-03	0.0	0.0	-5.79	1.33	-2.86	-0.02	5.32	0.85
		0.85	-4.99	5.77e-03	0.0	360.0	-3.59	1.33	-2.86	-0.02	-4.99	4.74
146	117	-0.96	5.00	8.07e-03	0.0	0.0	-22.34	-1.33	2.85	0.02	-5.26	-0.96
		-4.84	-5.26	-5.45e-03	0.0	360.0	-20.15	-1.33	2.85	0.02	5.00	-4.84
146	144	3.02	6.97	-7.23e-03	0.0	0.0	-3.18	1.03	-3.76	6.96e-03	6.97	-0.92
		-0.92	-6.57	7.52e-03	0.0	360.0	-0.99	1.03	-3.76	6.96e-03	-6.57	3.02
146	145	0.81	6.58	7.00e-03	0.0	0.0	-24.95	-1.02	3.75	-7.13e-03	-6.91	0.81
		-3.12	-6.91	-7.19e-03	0.0	360.0	-22.76	-1.02	3.75	-7.13e-03	6.58	-3.12
147	1	0.0	0.0	-2.58e-04	0.0	0.0	-9.99	0.02	4.23e-03	0.0	-0.02	-0.08
		-0.08	-0.02	3.66e-04	0.0	360.0	-7.14	0.02	4.23e-03	0.0	0.0	0.0
147	2	0.0	0.04	-4.95e-04	0.0	0.0	-10.31	0.04	-0.01	0.0	0.04	-0.14
		-0.14	0.0	5.73e-04	0.0	360.0	-7.46	0.04	-0.01	0.0	0.0	0.0
147	5	0.0	0.09	-3.30e-04	0.0	0.0	-9.98	0.03	-0.02	0.0	0.09	-0.10
		-0.10	0.0	5.80e-04	0.0	360.0	-7.13	0.03	-0.02	0.0	0.0	0.0
147	6	0.0	0.13	-4.96e-04	0.0	0.0	-10.20	0.04	-0.04	0.0	0.13	-0.14
		-0.14	0.0	7.25e-04	0.0	360.0	-7.35	0.04	-0.04	0.0	0.0	0.0
147	7	0.0	0.15	-2.92e-04	0.0	0.0	-6.71	0.02	-0.04	0.0	0.15	-0.09
		-0.09	0.0	5.61e-04	0.0	360.0	-4.52	0.02	-0.04	0.0	0.0	0.0
147	8	0.0	0.19	-4.57e-04	0.0	0.0	-6.93	0.04	-0.05	0.0	0.19	-0.13
		-0.13	0.0	7.06e-04	0.0	360.0	-4.74	0.04	-0.05	0.0	0.0	0.0
147	9	0.0	0.0	-1.86e-04	0.0	0.0	-7.27	0.02	4.92e-03	0.0	-0.02	-0.06
		-0.06	-0.02	2.45e-04	0.0	360.0	-5.08	0.02	4.92e-03	0.0	0.0	0.0
147	10	0.0	0.02	-3.44e-04	0.0	0.0	-7.48	0.03	-5.90e-03	0.0	0.02	-0.10
		-0.10	0.0	3.83e-04	0.0	360.0	-5.29	0.03	-5.90e-03	0.0	0.0	0.0
147	11	0.0	0.05	-2.34e-04	0.0	0.0	-7.26	0.02	-0.01	0.0	0.05	-0.07
		-0.07	0.0	3.87e-04	0.0	360.0	-5.07	0.02	-0.01	0.0	0.0	0.0
147	12	0.0	0.08	-3.44e-04	0.0	0.0	-7.41	0.03	-0.02	0.0	0.08	-0.10
		-0.10	0.0	4.84e-04	0.0	360.0	-5.22	0.03	-0.02	0.0	0.0	0.0
147	13	0.0	0.0	-1.14e-04	0.0	0.0	-7.29	0.01	0.03	0.0	-0.12	-0.04
		-0.04	-0.12	3.93e-05	0.0	360.0	-5.10	0.01	0.03	0.0	0.0	0.0
147	14	0.0	0.0	-1.93e-04	0.0	0.0	-7.40	0.02	0.03	0.0	-0.10	-0.06
		-0.06	-0.10	9.97e-05	0.0	360.0	-5.20	0.02	0.03	0.0	0.0	0.0
147	15	0.0	0.0	-1.38e-04	0.0	0.0	-7.29	0.01	0.02	0.0	-0.09	-0.04
		-0.04	-0.09	1.02e-04	0.0	360.0	-5.09	0.01	0.02	0.0	0.0	0.0
147	17	0.0	0.0	-1.14e-04	0.0	0.0	-7.29	0.01	0.03	0.0	-0.12	-0.04
		-0.04	-0.12	3.93e-05	0.0	360.0	-5.10	0.01	0.03	0.0	0.0	0.0
147	18	0.0	0.0	-1.62e-04	0.0	0.0	-7.35	0.01	0.03	0.0	-0.11	-0.05
		-0.05	-0.11	7.21e-05	0.0	360.0	-5.16	0.01	0.03	0.0	0.0	0.0
147	20	3.92	2.76	-4.41e-03	0.0	0.0	-6.14	-1.09	-0.77	0.0	2.76	3.92
		0.0	0.0	5.66e-03	0.0	360.0	-3.95	-1.09	-0.77	0.0	0.0	0.0
147	21	0.0	0.0	4.09e-03	0.0	0.0	-8.57	1.12	0.83	0.0	-2.98	-4.02
		-4.02	-2.98	-5.51e-03	0.0	360.0	-6.37	1.12	0.83	0.0	0.0	0.0
147	48	2.50	3.62	-4.63e-03	0.0	0.0	-5.80	-0.69	-1.01	0.0	3.62	2.50
		0.0	0.0	7.34e-03	0.0	360.0	-3.61	-0.69	-1.01	0.0	0.0	0.0
147	49	0.0	0.0	4.31e-03	0.0	0.0	-8.90	0.72	1.07	0.0	-3.84	-2.60
		-2.60	-3.84	-7.19e-03	0.0	360.0	-6.71	0.72	1.07	0.0	0.0	0.0
147	52	2.88	2.05	-3.34e-03	0.0	0.0	-6.44	-0.80	-0.57	0.0	2.05	2.88
		0.0	0.0	4.27e-03	0.0	360.0	-4.24	-0.80	-0.57	0.0	0.0	0.0
147	53	0.0	0.0	3.01e-03	0.0	0.0	-8.27	0.83	0.63	0.0	-2.27	-2.98
		-2.98	-2.27	-4.12e-03	0.0	360.0	-6.08	0.83	0.63	0.0	0.0	0.0
147	76	2.20	2.69	-3.52e-03	0.0	0.0	-6.19	-0.61	-0.75	0.0	2.69	2.20
		0.0	0.0	5.52e-03	0.0	360.0	-3.99	-0.61	-0.75	0.0	0.0	0.0
147	77	0.0	0.0	3.20e-03	0.0	0.0	-8.52	0.64	0.81	0.0	-2.91	-2.30

		-2.30	-2.91	-5.38e-03	0.0	360.0	-6.33	0.64	0.81	0.0	0.0	0.0
147	80	1.87	2.69	-3.53e-03	0.0	0.0	-6.19	-0.52	-0.75	0.0	2.69	1.87
		0.0	0.0	5.52e-03	0.0	360.0	-3.99	-0.52	-0.75	0.0	0.0	0.0
147	81	0.0	0.0	3.21e-03	0.0	0.0	-8.52	0.55	0.81	0.0	-2.91	-1.97
		-1.97	-2.91	-5.38e-03	0.0	360.0	-6.33	0.55	0.81	0.0	0.0	0.0
147	84	2.54	1.81	-2.98e-03	0.0	0.0	-6.54	-0.71	-0.50	0.0	1.81	2.54
		0.0	0.0	3.79e-03	0.0	360.0	-4.35	-0.71	-0.50	0.0	0.0	0.0
147	85	0.0	0.0	2.65e-03	0.0	0.0	-8.17	0.73	0.56	0.0	-2.03	-2.64
		-2.64	-2.03	-3.65e-03	0.0	360.0	-5.97	0.73	0.56	0.0	0.0	0.0
147	108	1.94	2.38	-3.14e-03	0.0	0.0	-6.32	-0.54	-0.66	0.0	2.38	1.94
		0.0	0.0	4.91e-03	0.0	360.0	-4.12	-0.54	-0.66	0.0	0.0	0.0
147	109	0.0	0.0	2.82e-03	0.0	0.0	-8.39	0.57	0.72	0.0	-2.60	-2.04
		-2.04	-2.60	-4.76e-03	0.0	360.0	-6.20	0.57	0.72	0.0	0.0	0.0
147	112	1.66	2.38	-3.15e-03	0.0	0.0	-6.32	-0.46	-0.66	0.0	2.38	1.66
		0.0	0.0	4.91e-03	0.0	360.0	-4.13	-0.46	-0.66	0.0	0.0	0.0
147	113	0.0	0.0	2.83e-03	0.0	0.0	-8.39	0.49	0.72	0.0	-2.60	-1.76
		-1.76	-2.60	-4.77e-03	0.0	360.0	-6.19	0.49	0.72	0.0	0.0	0.0
147	116	4.73	3.36	-5.28e-03	0.0	0.0	-5.89	-1.31	-0.93	0.0	3.36	4.73
		0.0	0.0	6.82e-03	0.0	360.0	-3.69	-1.31	-0.93	0.0	0.0	0.0
147	117	0.0	0.0	4.95e-03	0.0	0.0	-8.82	1.34	0.99	0.0	-3.58	-4.82
		-4.82	-3.58	-6.68e-03	0.0	360.0	-6.63	1.34	0.99	0.0	0.0	0.0
147	144	3.01	4.40	-5.55e-03	0.0	0.0	-5.48	-0.84	-1.22	0.0	4.40	3.01
		0.0	0.0	8.86e-03	0.0	360.0	-3.29	-0.84	-1.22	0.0	0.0	0.0
147	145	0.0	0.0	5.22e-03	0.0	0.0	-9.23	0.86	1.28	0.0	-4.62	-3.11
		-3.11	-4.62	-8.72e-03	0.0	360.0	-7.03	0.86	1.28	0.0	0.0	0.0
165	2	8.07	0.07	-2.98e-03	0.0	0.0	-24.02	3.96	9.32e-03	0.0	0.03	-6.19
		-6.19	0.03	3.34e-04	0.0	360.0	-21.17	3.96	9.32e-03	0.0	0.07	8.07
165	3	1.56	0.03	-5.13e-04	0.0	0.0	-14.65	0.75	4.58e-03	0.0	0.02	-1.15
		-1.15	0.02	1.40e-04	0.0	360.0	-12.46	0.75	4.58e-03	0.0	0.03	1.56
165	6	6.30	0.07	-2.26e-03	0.0	0.0	-23.10	3.08	9.20e-03	0.0	0.03	-4.78
		-4.78	0.03	3.30e-04	0.0	360.0	-20.25	3.08	9.20e-03	0.0	0.07	6.30
165	7	1.60	0.04	-4.71e-04	0.0	0.0	-14.65	0.76	5.56e-03	0.0	0.02	-1.15
		-1.15	0.02	1.88e-04	0.0	360.0	-12.45	0.76	5.56e-03	0.0	0.04	1.60
165	9	1.55	0.03	-5.39e-04	0.0	0.0	-15.49	0.75	4.14e-03	0.0	0.01	-1.15
		-1.15	0.01	1.15e-04	0.0	360.0	-13.29	0.75	4.14e-03	0.0	0.03	1.55
165	10	5.57	0.05	-2.06e-03	0.0	0.0	-17.52	2.74	6.59e-03	0.0	0.02	-4.28
		-4.28	0.02	2.32e-04	0.0	360.0	-15.33	2.74	6.59e-03	0.0	0.05	5.57
165	11	1.58	0.04	-5.12e-04	0.0	0.0	-15.49	0.76	4.80e-03	0.0	0.02	-1.15
		-1.15	0.02	1.48e-04	0.0	360.0	-13.29	0.76	4.80e-03	0.0	0.04	1.58
165	12	4.39	0.05	-1.58e-03	0.0	0.0	-16.91	2.15	6.52e-03	0.0	0.02	-3.34
		-3.34	0.02	2.29e-04	0.0	360.0	-14.72	2.15	6.52e-03	0.0	0.05	4.39
165	13	1.50	0.02	-5.81e-04	0.0	0.0	-15.49	0.74	3.15e-03	0.0	9.67e-03	-1.14
		-1.14	9.67e-03	6.67e-05	0.0	360.0	-13.30	0.74	3.15e-03	0.0	0.02	1.50
165	14	3.52	0.03	-1.34e-03	0.0	0.0	-16.51	1.73	4.38e-03	0.0	0.01	-2.71
		-2.71	0.01	1.25e-04	0.0	360.0	-14.31	1.73	4.38e-03	0.0	0.03	3.52
165	15	1.52	0.02	-5.67e-04	0.0	0.0	-15.49	0.74	3.48e-03	0.0	0.01	-1.14
		-1.14	0.01	8.29e-05	0.0	360.0	-13.30	0.74	3.48e-03	0.0	0.02	1.52
165	17	1.50	0.02	-5.81e-04	0.0	0.0	-15.49	0.74	3.15e-03	0.0	9.67e-03	-1.14
		-1.14	9.67e-03	6.67e-05	0.0	360.0	-13.30	0.74	3.15e-03	0.0	0.02	1.50
165	18	2.71	0.03	-1.04e-03	0.0	0.0	-16.10	1.33	3.89e-03	0.0	0.01	-2.08
		-2.08	0.01	1.02e-04	0.0	360.0	-13.91	1.33	3.89e-03	0.0	0.03	2.71
165	27	8.70	0.31	-5.24e-03	0.0	0.0	-16.96	0.19	-0.06	0.0	0.31	-0.16
		-0.16	0.19	1.79e-03	0.0	360.0	-14.77	0.19	-0.06	0.0	0.19	8.70
165	29	-1.84	-0.12	5.42e-03	0.0	0.0	-15.56	2.97	0.03	0.0	-0.12	-4.47
		-4.47	-0.37	-4.18e-03	0.0	360.0	-13.36	2.97	0.03	0.0	-0.37	-1.84
165	30	-3.28	-0.14	3.16e-03	0.0	0.0	-15.24	2.48	0.07	0.0	-0.29	-4.00
		-4.00	-0.29	-1.59e-03	0.0	360.0	-13.04	2.48	0.07	0.0	-0.14	-3.28
165	48	2.30	0.51	-6.30e-03	0.0	0.0	-15.80	0.20	0.05	0.0	-0.19	-0.66
		-0.66	-0.19	4.74e-03	0.0	360.0	-13.61	0.20	0.05	0.0	0.51	2.30
165	49	3.13	0.22	4.23e-03	0.0	0.0	-16.40	2.46	-0.04	0.0	0.22	-3.50
		-3.50	-0.45	-4.54e-03	0.0	360.0	-14.21	2.46	-0.04	0.0	-0.45	3.13
165	59	7.40	0.24	-4.09e-03	0.0	0.0	-16.74	0.39	-0.04	0.0	0.24	-0.49
		-0.49	0.15	1.39e-03	0.0	360.0	-14.54	0.39	-0.04	0.0	0.15	7.40
165	61	-0.89	-0.09	3.68e-03	0.0	0.0	-15.70	2.65	0.02	0.0	-0.09	-4.02
		-4.02	-0.27	-3.14e-03	0.0	360.0	-13.51	2.65	0.02	0.0	-0.27	-0.89
165	62	-1.98	-0.10	2.01e-03	0.0	0.0	-15.46	2.28	0.05	0.0	-0.21	-3.68
		-3.68	-0.21	-1.18e-03	0.0	360.0	-13.27	2.28	0.05	0.0	-0.10	-1.98
165	80	2.45	0.39	-4.89e-03	0.0	0.0	-15.88	0.46	0.04	0.0	-0.15	-0.99
		-0.99	-0.15	3.61e-03	0.0	360.0	-13.69	0.46	0.04	0.0	0.39	2.45
165	81	2.97	0.17	2.81e-03	0.0	0.0	-16.32	2.20	-0.03	0.0	0.17	-3.18
		-3.18	-0.34	-3.41e-03	0.0	360.0	-14.12	2.20	-0.03	0.0	-0.34	2.97
165	91	6.90	0.21	-3.73e-03	0.0	0.0	-16.66	0.48	-0.04	0.0	0.21	-0.65
		-0.65	0.14	1.24e-03	0.0	360.0	-14.47	0.48	-0.04	0.0	0.14	6.90
165	93	-0.51	-0.07	3.14e-03	0.0	0.0	-15.75	2.51	0.02	0.0	-0.07	-3.82
		-3.82	-0.24	-2.78e-03	0.0	360.0	-13.55	2.51	0.02	0.0	-0.24	-0.51

165	94	-1.48	-0.08	1.66e-03	0.0	0.0	-15.54	2.18	0.04	0.0	-0.19	-3.51
		-3.51	-0.19	-1.04e-03	0.0	360.0	-13.34	2.18	0.04	0.0	-0.08	-1.48
165	112	2.49	0.35	-4.44e-03	0.0	0.0	-15.91	0.56	0.03	0.0	-0.13	-1.11
		-1.11	-0.13	3.22e-03	0.0	360.0	-13.72	0.56	0.03	0.0	0.35	2.49
165	113	2.93	0.15	2.37e-03	0.0	0.0	-16.29	2.10	-0.03	0.0	0.15	-3.05
		-3.05	-0.30	-3.02e-03	0.0	360.0	-14.10	2.10	-0.03	0.0	-0.30	2.93
165	123	9.72	0.37	-6.13e-03	0.0	0.0	-17.14	0.01	-0.07	0.0	0.37	0.14
		0.14	0.22	2.13e-03	0.0	360.0	-14.95	0.01	-0.07	0.0	0.22	9.72
165	125	-2.56	-0.15	6.77e-03	0.0	0.0	-15.44	3.25	0.04	0.0	-0.15	-4.87
		-4.87	-0.45	-5.06e-03	0.0	360.0	-13.25	3.25	0.04	0.0	-0.45	-2.56
165	126	-4.30	-0.17	4.05e-03	0.0	0.0	-15.06	2.65	0.08	0.0	-0.35	-4.30
		-4.30	-0.35	-1.93e-03	0.0	360.0	-12.86	2.65	0.08	0.0	-0.17	-4.30
165	144	2.15	0.61	-7.41e-03	0.0	0.0	-15.74	-0.01	0.06	0.0	-0.24	-0.40
		-0.40	-0.24	5.69e-03	0.0	360.0	-13.55	-0.01	0.06	0.0	0.61	2.15
165	145	3.28	0.26	5.33e-03	0.0	0.0	-16.46	2.67	-0.05	0.0	0.26	-3.76
		-3.76	-0.55	-5.49e-03	0.0	360.0	-14.27	2.67	-0.05	0.0	-0.55	3.28
204	2	0.04	-0.43	-4.34e-04	0.0	0.0	-16.68	0.03	0.05	3.84e-04	-0.60	-0.06
		-0.06	-0.60	6.16e-04	0.0	360.0	-13.82	0.03	0.05	3.84e-04	-0.43	0.04
204	4	0.03	-0.35	-3.99e-04	0.0	0.0	-12.13	0.02	0.07	3.71e-04	-0.61	-0.05
		-0.05	-0.61	5.91e-04	0.0	360.0	-9.94	0.02	0.07	3.71e-04	-0.35	0.03
204	5	-7.75e-04	0.31	-1.44e-04	0.0	0.0	-17.73	3.34e-03	-0.25	8.63e-04	0.31	-0.01
		-0.01	-0.59	5.85e-04	0.0	360.0	-14.88	3.34e-03	-0.25	8.63e-04	-0.59	-7.75e-04
204	6	0.02	-0.19	-3.53e-04	0.0	0.0	-17.26	0.02	-0.12	7.36e-04	-0.19	-0.04
		-0.04	-0.63	7.51e-04	0.0	360.0	-14.41	0.02	-0.12	7.36e-04	-0.63	0.02
204	10	0.03	-0.26	-2.99e-04	0.0	0.0	-12.55	0.02	0.05	2.74e-04	-0.44	-0.04
		-0.04	-0.44	4.12e-04	0.0	360.0	-10.35	0.02	0.05	2.74e-04	-0.26	0.03
204	11	2.19e-03	0.16	-1.06e-04	0.0	0.0	-13.25	3.34e-03	-0.15	5.93e-04	0.16	-9.84e-03
		-9.84e-03	-0.37	3.92e-04	0.0	360.0	-11.06	3.34e-03	-0.15	5.93e-04	-0.37	2.19e-03
204	13	0.03	-5.20e-03	-9.31e-05	0.0	0.0	-12.62	0.01	0.04	9.62e-05	-0.16	-0.01
		-0.01	-0.16	5.14e-05	0.0	360.0	-10.43	0.01	0.04	9.62e-05	-5.20e-03	0.03
204	14	0.03	-0.02	-1.92e-04	0.0	0.0	-12.39	0.02	0.10	3.60e-05	-0.40	-0.03
		-0.03	-0.40	1.44e-04	0.0	360.0	-10.20	0.02	0.10	3.60e-05	-0.02	0.03
204	15	0.02	-0.08	-9.56e-05	0.0	0.0	-12.75	9.15e-03	5.80e-03	1.96e-04	-0.10	-0.01
		-0.01	-0.10	1.09e-04	0.0	360.0	-10.55	9.15e-03	5.80e-03	1.96e-04	-0.08	0.02
204	17	0.03	-5.20e-03	-9.31e-05	0.0	0.0	-12.62	0.01	0.04	9.62e-05	-0.16	-0.01
		-0.01	-0.16	5.14e-05	0.0	360.0	-10.43	0.01	0.04	9.62e-05	-5.20e-03	0.03
204	18	0.03	-0.02	-1.53e-04	0.0	0.0	-12.48	0.01	0.08	6.01e-05	-0.31	-0.02
		-0.02	-0.31	1.07e-04	0.0	360.0	-10.29	0.01	0.08	6.01e-05	-0.02	0.03
204	19	11.02	1.47	7.13e-04	0.0	0.0	-17.86	-3.65	-0.51	-0.01	1.47	11.02
		-1.57	-0.55	2.46e-03	0.0	360.0	-15.66	-3.65	-0.51	-0.01	-0.55	-1.57
204	22	1.63	0.51	-1.02e-03	0.0	0.0	-7.11	3.67	0.67	0.01	-2.09	-11.07
		-11.07	-2.09	-2.29e-03	0.0	360.0	-4.92	3.67	0.67	0.01	0.51	1.63
204	48	-1.85	5.12	-2.45e-03	0.0	0.0	-27.60	1.26	-1.87	7.70e-03	5.12	-3.81
		-3.81	-2.10	7.29e-03	0.0	360.0	-25.41	1.26	-1.87	7.70e-03	-2.10	-1.85
204	49	3.77	2.07	2.14e-03	0.0	0.0	2.64	-1.23	2.04	-7.58e-03	-5.74	3.77
		1.91	-5.74	-7.12e-03	0.0	360.0	4.83	-1.23	2.04	-7.58e-03	2.07	1.91
204	51	7.98	1.02	4.25e-04	0.0	0.0	-16.47	-2.64	-0.36	-8.94e-03	1.02	7.98
		-1.17	-0.42	1.86e-03	0.0	360.0	-14.27	-2.64	-0.36	-8.94e-03	-0.42	-1.17
204	54	1.23	0.38	-7.30e-04	0.0	0.0	-8.50	2.67	0.52	9.06e-03	-1.63	-8.03
		-8.03	-1.63	-1.69e-03	0.0	360.0	-6.31	2.67	0.52	9.06e-03	0.38	1.23
204	80	-1.38	3.77	-1.92e-03	0.0	0.0	-23.76	0.94	-1.40	5.76e-03	3.77	-2.84
		-2.84	-1.64	5.49e-03	0.0	360.0	-21.57	0.94	-1.40	5.76e-03	-1.64	-1.38
204	81	2.79	1.61	1.62e-03	0.0	0.0	-1.20	-0.91	1.56	-5.64e-03	-4.39	2.79
		1.44	-4.39	-5.32e-03	0.0	360.0	0.99	-0.91	1.56	-5.64e-03	1.61	1.44
204	83	7.05	0.87	3.52e-04	0.0	0.0	-16.01	-2.33	-0.31	-7.89e-03	0.87	7.05
		-1.03	-0.37	1.66e-03	0.0	360.0	-13.82	-2.33	-0.31	-7.89e-03	-0.37	-1.03
204	86	1.09	0.34	-6.57e-04	0.0	0.0	-8.96	2.36	0.47	8.01e-03	-1.48	-7.09
		-7.09	-1.48	-1.49e-03	0.0	360.0	-6.76	2.36	0.47	8.01e-03	0.34	1.09
204	112	-1.22	3.31	-1.73e-03	0.0	0.0	-22.48	0.83	-1.24	5.11e-03	3.31	-2.51
		-2.51	-1.46	4.88e-03	0.0	360.0	-20.29	0.83	-1.24	5.11e-03	-1.46	-1.22
204	113	2.47	1.43	1.43e-03	0.0	0.0	-2.48	-0.80	1.40	-4.99e-03	-3.93	2.47
		1.29	-3.93	-4.71e-03	0.0	360.0	-0.29	-0.80	1.40	-4.99e-03	1.43	1.29
204	115	13.30	1.85	9.06e-04	0.0	0.0	-18.96	-4.40	-0.64	-0.02	1.85	13.30
		-1.89	-0.64	2.96e-03	0.0	360.0	-16.77	-4.40	-0.64	-0.02	-0.64	-1.89
204	118	1.95	0.61	-1.21e-03	0.0	0.0	-6.01	4.43	0.80	0.02	-2.46	-13.34
		-13.34	-2.46	-2.79e-03	0.0	360.0	-3.81	4.43	0.80	0.02	0.61	1.95
204	144	-2.22	6.26	-2.94e-03	0.0	0.0	-30.78	1.51	-2.28	9.16e-03	6.26	-4.55
		-4.55	-2.50	8.80e-03	0.0	360.0	-28.58	1.51	-2.28	9.16e-03	-2.50	-2.22
204	145	4.51	2.46	2.63e-03	0.0	0.0	5.81	-1.48	2.44	-9.04e-03	-6.87	4.51
		2.28	-6.87	-8.64e-03	0.0	360.0	8.00	-1.48	2.44	-9.04e-03	2.46	2.28
205	2	0.25	3.68	1.09e-04	0.0	0.0	-84.52	-0.05	-7.83	4.38e-04	3.68	0.25
		0.19	-5.28	6.81e-04	0.0	114.5	-83.62	-0.05	-7.83	4.38e-04	-5.28	0.19
205	3	0.15	0.75	6.67e-05	0.0	0.0	-32.00	-0.03	-1.58	3.24e-04	0.75	0.15
		0.12	-1.06	1.40e-04	0.0	114.5	-31.31	-0.03	-1.58	3.24e-04	-1.06	0.12
205	6	0.30	2.88	1.34e-04	0.0	0.0	-72.42	-0.06	-6.11	6.18e-04	2.88	0.30

		0.24	-4.12	5.33e-04	0.0	114.5	-71.51	-0.06	-6.11	6.18e-04	-4.12	0.24
205	7	0.23	0.75	1.03e-04	0.0	0.0	-31.79	-0.04	-1.57	5.39e-04	0.75	0.23
		0.18	-1.04	1.41e-04	0.0	114.5	-31.10	-0.04	-1.57	5.39e-04	-1.04	0.18
205	9	0.11	0.75	4.96e-05	0.0	0.0	-33.49	-0.02	-1.62	2.15e-04	0.75	0.11
		0.09	-1.10	1.41e-04	0.0	114.5	-32.79	-0.02	-1.62	2.15e-04	-1.10	0.09
205	10	0.17	2.55	7.39e-05	0.0	0.0	-59.92	-0.03	-5.41	2.93e-04	2.55	0.17
		0.13	-3.65	4.72e-04	0.0	114.5	-59.23	-0.03	-5.41	2.93e-04	-3.65	0.13
205	11	0.16	0.76	7.36e-05	0.0	0.0	-33.35	-0.03	-1.61	3.58e-04	0.76	0.16
		0.13	-1.09	1.42e-04	0.0	114.5	-32.65	-0.03	-1.61	3.58e-04	-1.09	0.13
205	12	0.20	2.01	9.05e-05	0.0	0.0	-51.85	-0.04	-4.27	4.13e-04	2.01	0.20
		0.16	-2.87	3.73e-04	0.0	114.5	-51.16	-0.04	-4.27	4.13e-04	-2.87	0.16
205	13	0.03	0.75	1.38e-05	0.0	0.0	-33.70	-8.87e-03	-1.62	0.0	0.75	0.03
		0.02	-1.11	1.40e-04	0.0	114.5	-33.00	-8.87e-03	-1.62	0.0	-1.11	0.02
205	14	0.06	1.65	2.59e-05	0.0	0.0	-46.91	-0.02	-3.52	3.89e-05	1.65	0.06
		0.04	-2.39	3.06e-04	0.0	114.5	-46.22	-0.02	-3.52	3.89e-05	-2.39	0.04
205	15	0.06	0.75	2.57e-05	0.0	0.0	-33.63	-0.01	-1.62	7.14e-05	0.75	0.06
		0.04	-1.11	1.40e-04	0.0	114.5	-32.93	-0.01	-1.62	7.14e-05	-1.11	0.04
205	16	0.07	1.29	3.30e-05	0.0	0.0	-41.56	-0.02	-2.76	9.50e-05	1.29	0.07
		0.05	-1.87	2.40e-04	0.0	114.5	-40.86	-0.02	-2.76	9.50e-05	-1.87	0.05
205	17	0.03	0.75	1.38e-05	0.0	0.0	-33.70	-8.87e-03	-1.62	0.0	0.75	0.03
		0.02	-1.11	1.40e-04	0.0	114.5	-33.00	-8.87e-03	-1.62	0.0	-1.11	0.02
205	18	0.05	1.29	2.11e-05	0.0	0.0	-41.63	-0.01	-2.76	2.32e-05	1.29	0.05
		0.03	-1.88	2.39e-04	0.0	114.5	-40.93	-0.01	-2.76	2.32e-05	-1.88	0.03
205	19	6.44	0.12	-5.07e-03	0.0	0.0	-60.38	6.48	-1.74	-6.81e-03	0.12	1.30
		1.30	-1.52	5.99e-04	0.0	114.5	-59.69	6.48	-1.74	-6.81e-03	-1.52	6.44
205	22	-1.21	2.45	5.11e-03	0.0	0.0	-22.87	-6.50	-3.79	6.86e-03	2.45	-1.21
		-6.38	-2.23	-1.20e-04	0.0	114.5	-22.17	-6.50	-3.79	6.86e-03	-2.23	-6.38
205	28	3.02	-1.24	-2.07e-03	0.0	0.0	-78.73	2.73	-0.30	-0.01	-1.28	3.02
		2.86	-1.28	9.89e-04	0.0	114.5	-78.03	2.73	-0.30	-0.01	-1.24	2.86
205	29	-2.80	3.85	2.12e-03	0.0	0.0	-4.52	-2.75	-5.23	0.01	3.85	-2.92
		-2.92	-2.52	-5.11e-04	0.0	114.5	-3.83	-2.75	-5.23	0.01	-2.52	-2.80
205	51	4.77	0.43	-3.70e-03	0.0	0.0	-55.28	4.73	-1.99	-5.07e-03	0.43	0.96
		0.96	-1.60	5.02e-04	0.0	114.5	-54.58	4.73	-1.99	-5.07e-03	-1.60	4.77
205	54	-0.87	2.15	3.75e-03	0.0	0.0	-27.97	-4.76	-3.54	5.11e-03	2.15	-0.87
		-4.71	-2.16	-2.30e-05	0.0	114.5	-27.28	-4.76	-3.54	5.11e-03	-2.16	-4.71
205	60	2.29	-0.61	-1.51e-03	0.0	0.0	-68.89	1.99	-0.91	-7.53e-03	-0.61	2.29
		2.13	-1.37	7.93e-04	0.0	114.5	-68.19	1.99	-0.91	-7.53e-03	-1.37	2.13
205	61	-2.07	3.19	1.55e-03	0.0	0.0	-14.37	-2.02	-4.62	7.58e-03	3.19	-2.20
		-2.20	-2.38	-3.14e-04	0.0	114.5	-13.67	-2.02	-4.62	7.58e-03	-2.38	-2.07
205	83	4.23	0.53	-3.27e-03	0.0	0.0	-53.69	4.18	-2.07	-4.49e-03	0.53	0.85
		0.85	-1.63	4.71e-04	0.0	114.5	-52.99	4.18	-2.07	-4.49e-03	-1.63	4.23
205	86	-0.76	2.05	3.32e-03	0.0	0.0	-29.57	-4.21	-3.45	4.53e-03	2.05	-0.76
		-4.16	-2.13	1.69e-05	0.0	114.5	-28.87	-4.21	-3.45	4.53e-03	-2.13	-4.16
205	92	2.04	-0.39	-1.33e-03	0.0	0.0	-65.75	1.76	-1.12	-6.67e-03	-0.39	2.04
		1.89	-1.43	7.30e-04	0.0	114.5	-65.05	1.76	-1.12	-6.67e-03	-1.43	1.89
205	93	-1.83	2.97	1.38e-03	0.0	0.0	-17.50	-1.79	-4.41	6.72e-03	2.97	-1.95
		-1.95	-2.33	-2.51e-04	0.0	114.5	-16.81	-1.79	-4.41	6.72e-03	-2.33	-1.83
205	115	7.65	-0.11	-6.10e-03	0.0	0.0	-64.22	7.77	-1.54	-8.02e-03	-0.11	1.56
		1.56	-1.46	6.73e-04	0.0	114.5	-63.53	7.77	-1.54	-8.02e-03	-1.46	7.65
205	118	-1.47	2.69	6.14e-03	0.0	0.0	-19.03	-7.79	-3.99	8.06e-03	2.69	-1.47
		-7.58	-2.29	-1.95e-04	0.0	114.5	-18.33	-7.79	-3.99	8.06e-03	-2.29	-7.58
205	124	3.62	-1.13	-2.49e-03	0.0	0.0	-86.52	3.26	0.20	-0.01	-1.81	3.62
		3.37	-1.81	1.15e-03	0.0	114.5	-85.82	3.26	0.20	-0.01	-1.13	3.37
205	125	-3.31	4.38	2.54e-03	0.0	0.0	3.27	-3.29	-5.73	0.01	4.38	-3.52
		-3.52	-2.63	-6.68e-04	0.0	114.5	3.96	-3.29	-5.73	0.01	-2.63	-3.31
207	2	-0.05	3.88	-2.53e-04	0.0	0.0	-76.95	0.04	2.80	-3.25e-04	-3.00	-0.15
		-0.15	-3.00	-1.11e-04	0.0	245.5	-75.00	0.04	2.80	-3.25e-04	3.88	-0.05
207	3	1.85e-03	0.68	-6.31e-05	0.0	0.0	-28.69	0.01	0.37	1.46e-04	-0.23	-0.03
		-0.03	-0.23	1.71e-04	0.0	245.5	-27.20	0.01	0.37	1.46e-04	0.68	1.85e-03
207	7	0.01	0.67	-7.07e-05	0.0	0.0	-29.27	0.02	0.25	2.66e-04	0.04	-0.03
		-0.03	0.04	3.01e-04	0.0	245.5	-27.77	0.02	0.25	2.66e-04	0.67	0.01
207	9	-5.06e-03	0.68	-6.15e-05	0.0	0.0	-29.30	0.01	0.42	7.98e-05	-0.35	-0.04
		-0.04	-0.35	1.10e-04	0.0	245.5	-27.81	0.01	0.42	7.98e-05	0.68	-5.06e-03
207	10	-0.04	2.69	-1.74e-04	0.0	0.0	-54.53	0.03	1.95	-2.18e-04	-2.10	-0.11
		-0.11	-2.10	-8.09e-05	0.0	245.5	-53.03	0.03	1.95	-2.18e-04	2.69	-0.04
207	11	3.12e-03	0.67	-6.66e-05	0.0	0.0	-29.69	0.02	0.34	1.60e-04	-0.17	-0.04
		-0.04	-0.17	1.97e-04	0.0	245.5	-28.19	0.02	0.34	1.60e-04	0.67	3.12e-03
207	13	-0.02	0.70	-5.39e-05	0.0	0.0	-28.72	7.03e-03	0.54	-3.97e-05	-0.62	-0.03
		-0.03	-0.62	-3.45e-05	0.0	245.5	-27.23	7.03e-03	0.54	-3.97e-05	0.70	-0.02
207	14	-0.03	1.70	-1.10e-04	0.0	0.0	-41.34	0.01	1.30	-1.88e-04	-1.50	-0.07
		-0.07	-1.50	-9.94e-05	0.0	245.5	-39.84	0.01	1.30	-1.88e-04	1.70	-0.03
207	15	-0.01	0.69	-5.65e-05	0.0	0.0	-28.92	8.77e-03	0.50	0.0	-0.53	-0.03
		-0.03	-0.53	2.34e-05	0.0	245.5	-27.42	8.77e-03	0.50	0.0	0.69	-0.01
207	17	-0.02	0.70	-5.39e-05	0.0	0.0	-28.72	7.03e-03	0.54	-3.97e-05	-0.62	-0.03
		-0.03	-0.62	-3.45e-05	0.0	245.5	-27.23	7.03e-03	0.54	-3.97e-05	0.70	-0.02

207	18	-0.03	1.30	-8.78e-05	0.0	0.0	-36.29	0.01	1.00	-1.29e-04	-1.15	-0.06
		-0.06	-1.15	-7.34e-05	0.0	245.5	-34.80	0.01	1.00	-1.29e-04	1.30	-0.03
207	19	13.71	1.80	-4.78e-03	0.0	0.0	-45.72	3.32	-0.75	2.88e-03	1.80	2.63
		2.63	-0.05	1.46e-03	0.0	245.5	-44.22	3.32	-0.75	2.88e-03	-0.05	13.71
207	22	-2.74	2.65	4.60e-03	0.0	0.0	-26.87	-3.30	2.75	-3.13e-03	-4.10	-2.74
		-13.76	-4.10	-1.56e-03	0.0	245.5	-25.37	-3.30	2.75	-3.13e-03	2.65	-13.76
207	48	-1.21	7.56	-5.85e-03	0.0	0.0	-62.69	3.09	-4.13	4.70e-03	7.56	-1.21
		-4.74	-2.58	4.48e-03	0.0	245.5	-61.20	3.09	-4.13	4.70e-03	-2.58	-4.74
207	49	4.68	5.18	5.68e-03	0.0	0.0	-9.89	-3.06	6.12	-4.96e-03	-9.86	1.10
		1.10	-9.86	-4.57e-03	0.0	245.5	-8.39	-3.06	6.12	-4.96e-03	5.18	4.68
207	51	9.92	1.05	-3.49e-03	0.0	0.0	-43.27	2.40	-0.30	2.12e-03	1.05	1.95
		1.95	0.30	1.08e-03	0.0	245.5	-41.77	2.40	-0.30	2.12e-03	0.30	9.92
207	54	-2.07	2.30	3.31e-03	0.0	0.0	-29.32	-2.38	2.29	-2.38e-03	-3.34	-2.07
		-9.97	-3.34	-1.18e-03	0.0	245.5	-27.82	-2.38	2.29	-2.38e-03	2.30	-9.97
207	80	-0.95	5.37	-4.33e-03	0.0	0.0	-56.00	2.28	-2.84	3.49e-03	5.37	-0.95
		-3.56	-1.60	3.34e-03	0.0	245.5	-54.50	2.28	-2.84	3.49e-03	-1.60	-3.56
207	81	3.50	4.20	4.16e-03	0.0	0.0	-16.59	-2.26	4.83	-3.75e-03	-7.67	0.84
		0.84	-7.67	-3.44e-03	0.0	245.5	-15.09	-2.26	4.83	-3.75e-03	4.20	3.50
207	83	8.75	0.80	-3.09e-03	0.0	0.0	-42.47	2.12	-0.15	1.87e-03	0.80	1.73
		1.73	0.42	9.52e-04	0.0	245.5	-40.97	2.12	-0.15	1.87e-03	0.42	8.75
207	86	-1.84	2.18	2.92e-03	0.0	0.0	-30.12	-2.10	2.15	-2.13e-03	-3.09	-1.84
		-8.81	-3.09	-1.05e-03	0.0	245.5	-28.62	-2.10	2.15	-2.13e-03	2.18	-8.81
207	112	-0.85	4.63	-3.84e-03	0.0	0.0	-53.76	2.02	-2.40	3.08e-03	4.63	-0.85
		-3.15	-1.27	2.96e-03	0.0	245.5	-52.27	2.02	-2.40	3.08e-03	-1.27	-3.15
207	113	3.10	3.87	3.67e-03	0.0	0.0	-18.82	-2.00	4.40	-3.34e-03	-6.93	0.74
		0.74	-6.93	-3.06e-03	0.0	245.5	-17.33	-2.00	4.40	-3.34e-03	3.87	3.10
207	115	16.53	2.42	-5.75e-03	0.0	0.0	-47.66	4.01	-1.12	3.47e-03	2.42	3.15
		3.15	-0.33	1.78e-03	0.0	245.5	-46.16	4.01	-1.12	3.47e-03	-0.33	16.53
207	118	-3.27	2.93	5.57e-03	0.0	0.0	-24.93	-3.98	3.11	-3.73e-03	-4.71	-3.27
		-16.59	-4.71	-1.88e-03	0.0	245.5	-23.43	-3.98	3.11	-3.73e-03	2.93	-16.59
207	144	-1.42	9.38	-7.06e-03	0.0	0.0	-68.22	3.71	-5.20	5.63e-03	9.38	-1.42
		-5.63	-3.39	5.43e-03	0.0	245.5	-66.73	3.71	-5.20	5.63e-03	-3.39	-5.63
207	145	5.58	5.99	6.89e-03	0.0	0.0	-4.36	-3.69	7.19	-5.89e-03	-11.68	1.30
		1.30	-11.68	-5.52e-03	0.0	245.5	-2.87	-3.69	7.19	-5.89e-03	5.99	5.58
212	1	0.55	0.06	-2.70e-04	0.0	0.0	-10.14	0.17	-0.02	0.0	0.06	-0.07
		-0.07	-2.18e-03	3.30e-04	0.0	360.0	-7.29	0.17	-0.02	0.0	-2.18e-03	0.55
212	2	1.97	0.10	-1.17e-03	0.0	0.0	-8.12	0.65	-0.03	0.0	0.10	-0.36
		-0.36	-2.10e-03	4.95e-04	0.0	360.0	-5.27	0.65	-0.03	0.0	-2.10e-03	1.97
212	4	1.85	0.09	-1.08e-03	0.0	0.0	-5.79	0.61	-0.03	0.0	0.09	-0.34
		-0.34	-1.31e-03	4.74e-04	0.0	360.0	-3.60	0.61	-0.03	0.0	-1.31e-03	1.85
212	5	0.61	0.10	-2.40e-04	0.0	0.0	-10.16	0.18	-0.03	0.0	0.10	-0.04
		-0.04	-7.43e-05	5.05e-04	0.0	360.0	-7.31	0.18	-0.03	0.0	-7.43e-05	0.61
212	6	1.60	0.12	-8.68e-04	0.0	0.0	-8.75	0.51	-0.03	0.0	0.12	-0.25
		-0.25	-1.72e-05	6.21e-04	0.0	360.0	-5.90	0.51	-0.03	0.0	-1.72e-05	1.60
212	9	0.41	0.04	-2.08e-04	0.0	0.0	-7.80	0.13	-0.01	0.0	0.04	-0.06
		-0.06	-2.19e-03	2.25e-04	0.0	360.0	-5.61	0.13	-0.01	0.0	-2.19e-03	0.41
212	10	1.36	0.07	-8.06e-04	0.0	0.0	-6.45	0.45	-0.02	0.0	0.07	-0.25
		-0.25	-2.14e-03	3.35e-04	0.0	360.0	-4.26	0.45	-0.02	0.0	-2.14e-03	1.36
212	11	0.45	0.07	-1.88e-04	0.0	0.0	-7.81	0.14	-0.02	0.0	0.07	-0.04
		-0.04	-7.90e-04	3.41e-04	0.0	360.0	-5.62	0.14	-0.02	0.0	-7.90e-04	0.45
212	12	1.11	0.08	-6.07e-04	0.0	0.0	-6.87	0.36	-0.02	0.0	0.08	-0.18
		-0.18	-7.52e-04	4.18e-04	0.0	360.0	-4.68	0.36	-0.02	0.0	-7.52e-04	1.11
212	13	0.35	9.14e-03	-2.39e-04	0.0	0.0	-7.78	0.12	-3.73e-03	0.0	9.14e-03	-0.08
		-0.08	-4.30e-03	4.96e-05	0.0	360.0	-5.59	0.12	-3.73e-03	0.0	-4.30e-03	0.35
212	14	0.82	0.02	-5.38e-04	0.0	0.0	-7.11	0.28	-6.74e-03	0.0	0.02	-0.18
		-0.18	-4.27e-03	1.05e-04	0.0	360.0	-4.91	0.28	-6.74e-03	0.0	-4.27e-03	0.82
212	15	0.37	0.02	-2.29e-04	0.0	0.0	-7.79	0.12	-6.76e-03	0.0	0.02	-0.07
		-0.07	-3.60e-03	1.08e-04	0.0	360.0	-5.60	0.12	-6.76e-03	0.0	-3.60e-03	0.37
212	16	0.65	0.03	-4.08e-04	0.0	0.0	-7.38	0.22	-8.56e-03	0.0	0.03	-0.13
		-0.13	-3.58e-03	1.41e-04	0.0	360.0	-5.19	0.22	-8.56e-03	0.0	-3.58e-03	0.65
212	17	0.35	9.14e-03	-2.39e-04	0.0	0.0	-7.78	0.12	-3.73e-03	0.0	9.14e-03	-0.08
		-0.08	-4.30e-03	4.96e-05	0.0	360.0	-5.59	0.12	-3.73e-03	0.0	-4.30e-03	0.35
212	18	0.64	0.02	-4.18e-04	0.0	0.0	-7.38	0.22	-5.54e-03	0.0	0.02	-0.14
		-0.14	-4.28e-03	8.25e-05	0.0	360.0	-5.18	0.22	-5.54e-03	0.0	-4.28e-03	0.64
212	19	-1.74	4.31	-2.43e-03	0.0	0.0	-5.66	-0.42	1.37	0.0	0.47	-1.74
		-2.88	0.47	0.01	0.0	360.0	-3.46	-0.42	1.37	0.0	4.31	-2.88
212	22	4.15	-0.44	1.60e-03	0.0	0.0	-9.10	0.85	-1.38	0.0	-0.44	1.46
		1.46	-4.32	-0.01	0.0	360.0	-6.90	0.85	-1.38	0.0	-4.32	4.15
212	28	-3.68	1.86	-5.37e-03	0.0	0.0	-3.53	0.98	0.59	0.0	1.06	-3.68
		-5.89	1.06	0.02	0.0	360.0	-1.33	0.98	0.59	0.0	1.86	-5.89
212	29	7.16	-1.03	4.54e-03	0.0	0.0	-11.23	-0.55	-0.60	0.0	-1.03	3.39
		3.39	-1.87	-0.02	0.0	360.0	-9.04	-0.55	-0.60	0.0	-1.87	7.16
212	51	-1.30	3.15	-1.88e-03	0.0	0.0	-6.13	-0.27	1.00	0.0	0.35	-1.30
		-1.97	0.35	9.95e-03	0.0	360.0	-3.93	-0.27	1.00	0.0	3.15	-1.97
212	54	3.24	-0.32	1.04e-03	0.0	0.0	-8.63	0.70	-1.01	0.0	-0.32	1.02

		1.02	-3.16	-9.78e-03	0.0	360.0	-6.44	0.70	-1.01	0.0	-3.16	3.24
212	60	-2.73	1.37	-4.04e-03	0.0	0.0	-4.55	0.81	0.43	0.0	0.79	-2.73
		-4.26	0.79	0.01	0.0	360.0	-2.36	0.81	0.43	0.0	1.37	-4.26
212	61	5.53	-0.76	3.21e-03	0.0	0.0	-10.21	-0.38	-0.44	0.0	-0.76	2.45
		2.45	-1.38	-0.01	0.0	360.0	-8.01	-0.38	-0.44	0.0	-1.38	5.53
212	83	-1.17	2.78	-1.71e-03	0.0	0.0	-6.27	-0.21	0.88	0.0	0.31	-1.17
		-1.67	0.31	8.80e-03	0.0	360.0	-4.08	-0.21	0.88	0.0	2.78	-1.67
212	86	2.94	-0.28	8.71e-04	0.0	0.0	-8.48	0.64	-0.89	0.0	-0.28	0.88
		0.88	-2.79	-8.64e-03	0.0	360.0	-6.29	0.64	-0.89	0.0	-2.79	2.94
212	92	-2.43	1.21	-3.62e-03	0.0	0.0	-4.87	0.75	0.38	0.0	0.71	-2.43
		-3.71	0.71	0.01	0.0	360.0	-2.68	0.75	0.38	0.0	1.21	-3.71
212	93	4.98	-0.68	2.79e-03	0.0	0.0	-9.88	-0.31	-0.39	0.0	-0.68	2.15
		2.15	-1.22	-0.01	0.0	360.0	-7.69	-0.31	-0.39	0.0	-1.22	4.98
212	115	-2.07	5.15	-2.85e-03	0.0	0.0	-5.31	-0.53	1.65	0.0	0.56	-2.07
		-3.57	0.56	0.02	0.0	360.0	-3.11	-0.53	1.65	0.0	5.15	-3.57
212	118	4.84	-0.53	2.01e-03	0.0	0.0	-9.45	0.96	-1.66	0.0	-0.53	1.79
		1.79	-5.16	-0.02	0.0	360.0	-7.26	0.96	-1.66	0.0	-5.16	4.84
212	124	-4.42	2.22	-6.42e-03	0.0	0.0	-2.72	1.11	0.71	0.0	1.28	-4.42
		-7.18	1.28	0.02	0.0	360.0	-0.53	1.11	0.71	0.0	2.22	-7.18
212	125	8.45	-1.24	5.58e-03	0.0	0.0	-12.04	-0.68	-0.72	0.0	-1.24	4.14
		4.14	-2.23	-0.02	0.0	360.0	-9.84	-0.68	-0.72	0.0	-2.23	8.45
215	2	-0.36	0.19	-7.85e-04	0.0	0.0	-10.70	0.65	-0.03	0.0	0.19	-2.48
		-2.48	0.10	1.98e-04	0.0	325.5	-8.12	0.65	-0.03	0.0	0.10	-0.36
215	3	-0.04	0.12	-1.45e-04	0.0	0.0	-9.80	0.13	-0.02	0.0	0.12	-0.47
		-0.47	0.06	1.24e-04	0.0	325.5	-7.81	0.13	-0.02	0.0	0.06	-0.04
215	4	-0.34	0.18	-7.32e-04	0.0	0.0	-7.77	0.61	-0.03	0.0	0.18	-2.31
		-2.31	0.09	1.89e-04	0.0	325.5	-5.79	0.61	-0.03	0.0	0.09	-0.34
215	5	-0.04	0.19	-1.94e-04	0.0	0.0	-12.74	0.18	-0.03	0.0	0.19	-0.64
		-0.64	0.10	2.01e-04	0.0	325.5	-10.16	0.18	-0.03	0.0	0.10	-0.04
215	6	-0.25	0.23	-6.06e-04	0.0	0.0	-11.33	0.51	-0.03	0.0	0.23	-1.93
		-1.93	0.12	2.47e-04	0.0	325.5	-8.75	0.51	-0.03	0.0	0.12	-0.25
215	7	-0.02	0.18	-1.42e-04	0.0	0.0	-9.81	0.14	-0.03	0.0	0.18	-0.47
		-0.47	0.10	1.92e-04	0.0	325.5	-7.83	0.14	-0.03	0.0	0.10	-0.02
215	9	-0.06	0.09	-1.49e-04	0.0	0.0	-9.78	0.13	-0.01	0.0	0.09	-0.48
		-0.48	0.04	9.04e-05	0.0	325.5	-7.80	0.13	-0.01	0.0	0.04	-0.06
215	10	-0.25	0.13	-5.41e-04	0.0	0.0	-8.44	0.45	-0.02	0.0	0.13	-1.71
		-1.71	0.07	1.34e-04	0.0	325.5	-6.45	0.45	-0.02	0.0	0.07	-0.25
215	11	-0.04	0.13	-1.48e-04	0.0	0.0	-9.80	0.14	-0.02	0.0	0.13	-0.48
		-0.48	0.07	1.36e-04	0.0	325.5	-7.81	0.14	-0.02	0.0	0.07	-0.04
215	12	-0.18	0.16	-4.22e-04	0.0	0.0	-8.85	0.36	-0.02	0.0	0.16	-1.34
		-1.34	0.08	1.67e-04	0.0	325.5	-6.87	0.36	-0.02	0.0	0.08	-0.18
215	13	-0.08	0.02	-1.52e-04	0.0	0.0	-9.76	0.12	-3.73e-03	0.0	0.02	-0.47
		-0.47	9.14e-03	2.17e-05	0.0	325.5	-7.78	0.12	-3.73e-03	0.0	9.14e-03	-0.08
215	14	-0.18	0.04	-3.48e-04	0.0	0.0	-9.09	0.28	-6.74e-03	0.0	0.04	-1.09
		-1.09	0.02	4.36e-05	0.0	325.5	-7.11	0.28	-6.74e-03	0.0	0.02	-0.18
215	15	-0.07	0.04	-1.51e-04	0.0	0.0	-9.77	0.12	-6.76e-03	0.0	0.04	-0.48
		-0.48	0.02	4.46e-05	0.0	325.5	-7.79	0.12	-6.76e-03	0.0	0.02	-0.07
215	16	-0.13	0.06	-2.69e-04	0.0	0.0	-9.37	0.22	-8.56e-03	0.0	0.06	-0.84
		-0.84	0.03	5.77e-05	0.0	325.5	-7.38	0.22	-8.56e-03	0.0	0.03	-0.13
215	17	-0.08	0.02	-1.52e-04	0.0	0.0	-9.76	0.12	-3.73e-03	0.0	0.02	-0.47
		-0.47	9.14e-03	2.17e-05	0.0	325.5	-7.78	0.12	-3.73e-03	0.0	9.14e-03	-0.08
215	18	-0.14	0.03	-2.70e-04	0.0	0.0	-9.36	0.22	-5.54e-03	0.0	0.03	-0.84
		-0.84	0.02	3.48e-05	0.0	325.5	-7.38	0.22	-5.54e-03	0.0	0.02	-0.14
215	28	-3.68	1.06	-1.85e-03	0.0	0.0	-5.51	1.22	0.80	0.0	-2.90	-4.53
		-4.53	-2.90	-2.57e-03	0.0	325.5	-3.53	1.22	0.80	0.0	1.06	-3.68
215	29	3.39	2.97	1.31e-03	0.0	0.0	-13.21	-0.79	-0.81	0.0	2.97	2.84
		2.84	-1.03	2.64e-03	0.0	325.5	-11.23	-0.79	-0.81	0.0	-1.03	3.39
215	31	-2.41	0.45	-1.86e-03	0.0	0.0	-6.89	1.52	1.52	0.0	-5.73	-5.16
		-5.16	-5.73	-5.17e-03	0.0	325.5	-4.90	1.52	1.52	0.0	0.45	-2.41
215	34	3.47	5.80	1.32e-03	0.0	0.0	-11.83	-1.09	-1.53	0.0	5.80	3.47
		2.12	-0.41	5.24e-03	0.0	325.5	-9.85	-1.09	-1.53	0.0	-0.41	2.12
215	35	1.35	-0.75	9.07e-05	0.0	0.0	-10.97	1.04	1.78	0.0	-6.67	-2.61
		-2.61	-6.67	-6.00e-03	0.0	325.5	-8.99	1.04	1.78	0.0	-0.75	1.35
215	38	0.93	6.74	-5.60e-04	0.0	0.0	-7.75	-0.61	-1.79	0.0	6.74	0.93
		-1.63	0.78	6.07e-03	0.0	325.5	-5.77	-0.61	-1.79	0.0	0.78	-1.63
215	60	-2.73	0.79	-1.46e-03	0.0	0.0	-6.53	1.00	0.58	0.0	-2.11	-3.68
		-3.68	-2.11	-1.87e-03	0.0	325.5	-4.55	1.00	0.58	0.0	0.79	-2.73
215	61	2.45	2.18	9.19e-04	0.0	0.0	-12.19	-0.57	-0.60	0.0	2.18	2.00
		2.00	-0.76	1.94e-03	0.0	325.5	-10.21	-0.57	-0.60	0.0	-0.76	2.45
215	63	-1.80	0.33	-1.46e-03	0.0	0.0	-7.55	1.23	1.11	0.0	-4.19	-4.15
		-4.15	-4.19	-3.78e-03	0.0	325.5	-5.57	1.23	1.11	0.0	0.33	-1.80
215	66	2.46	4.26	9.24e-04	0.0	0.0	-11.17	-0.80	-1.12	0.0	4.26	2.46
		1.51	-0.30	3.85e-03	0.0	325.5	-9.19	-0.80	-1.12	0.0	-0.30	1.51
215	67	0.97	-0.57	-6.47e-05	0.0	0.0	-10.56	0.85	1.30	0.0	-4.88	-2.19
		-2.19	-4.88	-4.39e-03	0.0	325.5	-8.58	0.85	1.30	0.0	-0.57	0.97

215	70	0.50	4.95	-4.75e-04	0.0	0.0	-8.16	-0.41	-1.31	0.0	4.95	0.50
		-1.25	0.60	4.46e-03	0.0	325.5	-6.17	-0.41	-1.31	0.0	0.60	-1.25
215	92	-2.43	0.71	-1.33e-03	0.0	0.0	-6.86	0.92	0.52	0.0	-1.86	-3.37
		-3.37	-1.86	-1.65e-03	0.0	325.5	-4.87	0.92	0.52	0.0	0.71	-2.43
215	93	2.15	1.93	7.86e-04	0.0	0.0	-11.86	-0.48	-0.53	0.0	1.93	1.69
		1.69	-0.68	1.72e-03	0.0	325.5	-9.88	-0.48	-0.53	0.0	-0.68	2.15
215	95	-1.60	0.29	-1.33e-03	0.0	0.0	-7.76	1.12	0.98	0.0	-3.71	-3.79
		-3.79	-3.71	-3.34e-03	0.0	325.5	-5.78	1.12	0.98	0.0	0.29	-1.60
215	99	0.84	-0.50	-8.87e-05	0.0	0.0	-10.43	0.78	1.15	0.0	-4.31	-2.03
		-2.03	-4.31	-3.88e-03	0.0	325.5	-8.45	0.78	1.15	0.0	-0.50	0.84
215	102	0.35	4.38	-4.51e-04	0.0	0.0	-8.29	-0.34	-1.16	0.0	4.38	0.35
		-1.13	0.53	3.95e-03	0.0	325.5	-6.31	-0.34	-1.16	0.0	0.53	-1.13
215	124	-4.42	1.28	-2.15e-03	0.0	0.0	-4.70	1.38	0.96	0.0	-3.49	-5.17
		-5.17	-3.49	-3.10e-03	0.0	325.5	-2.72	1.38	0.96	0.0	1.28	-4.42
215	125	4.14	3.56	1.61e-03	0.0	0.0	-14.02	-0.95	-0.97	0.0	3.56	3.48
		3.48	-1.24	3.17e-03	0.0	325.5	-12.04	-0.95	-0.97	0.0	-1.24	4.14
215	127	-2.88	0.54	-2.16e-03	0.0	0.0	-6.37	1.75	1.83	0.0	-6.91	-5.92
		-5.92	-6.91	-6.24e-03	0.0	325.5	-4.38	1.75	1.83	0.0	0.54	-2.88
215	130	4.24	6.98	1.62e-03	0.0	0.0	-12.36	-1.31	-1.84	0.0	6.98	4.24
		2.60	-0.50	6.31e-03	0.0	325.5	-10.37	-1.31	-1.84	0.0	-0.50	2.60
215	131	1.66	-0.90	1.19e-04	0.0	0.0	-11.31	1.20	2.15	0.0	-8.05	-2.94
		-2.94	-8.05	-7.25e-03	0.0	325.5	-9.33	1.20	2.15	0.0	-0.90	1.66
215	134	1.25	8.12	-6.26e-04	0.0	0.0	-7.41	-0.77	-2.16	0.0	8.12	1.25
		-1.94	0.94	7.31e-03	0.0	325.5	-5.43	-0.77	-2.16	0.0	0.94	-1.94
223	1	0.93	0.06	-4.91e-04	0.0	0.0	-29.74	0.58	-0.01	0.0	0.06	-1.16
		-1.16	0.02	2.70e-04	0.0	360.0	-26.89	0.58	-0.01	0.0	0.02	0.93
223	2	3.44	0.09	-2.03e-03	0.0	0.0	-72.00	2.24	-0.02	0.0	0.09	-4.63
		-4.63	0.03	4.07e-04	0.0	360.0	-69.15	2.24	-0.02	0.0	0.03	3.44
223	3	0.71	0.05	-3.50e-04	0.0	0.0	-22.85	0.43	-0.01	0.0	0.05	-0.84
		-0.84	0.02	2.50e-04	0.0	360.0	-20.66	0.43	-0.01	0.0	0.02	0.71
223	6	2.73	0.11	-1.54e-03	0.0	0.0	-59.34	1.74	-0.02	0.0	0.11	-3.55
		-3.55	0.04	5.01e-04	0.0	360.0	-56.49	1.74	-0.02	0.0	0.04	2.73
223	9	0.70	0.04	-3.76e-04	0.0	0.0	-22.86	0.44	-7.94e-03	0.0	0.04	-0.88
		-0.88	0.01	1.85e-04	0.0	360.0	-20.67	0.44	-7.94e-03	0.0	0.01	0.70
223	10	2.37	0.06	-1.40e-03	0.0	0.0	-51.04	1.54	-0.01	0.0	0.06	-3.19
		-3.19	0.02	2.76e-04	0.0	360.0	-48.85	1.54	-0.01	0.0	0.02	2.37
223	12	1.90	0.07	-1.07e-03	0.0	0.0	-42.59	1.21	-0.01	0.0	0.07	-2.47
		-2.47	0.03	3.39e-04	0.0	360.0	-40.40	1.21	-0.01	0.0	0.03	1.90
223	13	0.65	0.01	-4.09e-04	0.0	0.0	-22.85	0.44	-2.74e-03	0.0	0.01	-0.92
		-0.92	1.63e-04	4.94e-05	0.0	360.0	-20.66	0.44	-2.74e-03	0.0	1.63e-04	0.65
223	14	1.48	0.02	-9.23e-04	0.0	0.0	-36.94	0.99	-3.89e-03	0.0	0.02	-2.08
		-2.08	5.47e-03	9.49e-05	0.0	360.0	-34.74	0.99	-3.89e-03	0.0	5.47e-03	1.48
223	16	1.17	0.03	-7.06e-04	0.0	0.0	-31.31	0.77	-5.17e-03	0.0	0.03	-1.60
		-1.60	6.86e-03	1.22e-04	0.0	360.0	-29.11	0.77	-5.17e-03	0.0	6.86e-03	1.17
223	17	0.65	0.01	-4.09e-04	0.0	0.0	-22.85	0.44	-2.74e-03	0.0	0.01	-0.92
		-0.92	1.63e-04	4.94e-05	0.0	360.0	-20.66	0.44	-2.74e-03	0.0	1.63e-04	0.65
223	18	1.15	0.02	-7.17e-04	0.0	0.0	-31.30	0.77	-3.43e-03	0.0	0.02	-1.61
		-1.61	3.34e-03	7.67e-05	0.0	360.0	-29.11	0.77	-3.43e-03	0.0	3.34e-03	1.15
223	19	6.61	8.27	-3.36e-03	0.0	0.0	-30.13	3.05	2.45	0.0	0.45	-6.00
		-6.00	0.45	0.02	0.0	360.0	-27.93	3.05	2.45	0.0	8.27	6.61
223	22	2.77	-0.42	1.92e-03	0.0	0.0	-32.48	-1.52	-2.46	0.0	-0.42	2.77
		-4.31	-8.26	-0.02	0.0	360.0	-30.29	-1.52	-2.46	0.0	-8.26	-4.31
223	28	5.89	3.49	-7.15e-03	0.0	0.0	-29.32	3.76	1.01	0.0	1.10	-12.19
		-12.19	1.10	0.02	0.0	360.0	-27.12	3.76	1.01	0.0	3.49	5.89
223	29	8.97	-1.07	5.72e-03	0.0	0.0	-33.29	-2.23	-1.02	0.0	-1.07	8.97
		-3.59	-3.48	-0.02	0.0	360.0	-31.10	-2.23	-1.02	0.0	-3.48	-3.59
223	32	6.02	4.24	-7.15e-03	0.0	0.0	-29.34	3.74	1.21	0.0	1.09	-12.21
		-12.21	1.09	0.02	0.0	360.0	-27.15	3.74	1.21	0.0	4.24	6.02
223	33	8.98	-1.06	5.71e-03	0.0	0.0	-33.26	-2.21	-1.22	0.0	-1.06	8.98
		-3.72	-4.23	-0.02	0.0	360.0	-31.07	-2.21	-1.22	0.0	-4.23	-3.72
223	51	5.32	6.06	-2.66e-03	0.0	0.0	-30.33	2.54	1.79	0.0	0.33	-4.90
		-4.90	0.33	0.02	0.0	360.0	-28.14	2.54	1.79	0.0	6.06	5.32
223	54	1.67	-0.30	1.23e-03	0.0	0.0	-32.27	-1.00	-1.80	0.0	-0.30	1.67
		-3.02	-6.05	-0.02	0.0	360.0	-30.08	-1.00	-1.80	0.0	-6.05	-3.02
223	60	4.85	2.58	-5.45e-03	0.0	0.0	-29.73	3.06	0.74	0.0	0.83	-9.46
		-9.46	0.83	0.02	0.0	360.0	-27.53	3.06	0.74	0.0	2.58	4.85
223	61	6.23	-0.80	4.02e-03	0.0	0.0	-32.88	-1.53	-0.75	0.0	-0.80	6.23
		-2.55	-2.57	-0.02	0.0	360.0	-30.68	-1.53	-0.75	0.0	-2.57	-2.55
223	64	4.95	3.12	-5.44e-03	0.0	0.0	-29.75	3.05	0.89	0.0	0.83	-9.46
		-9.46	0.83	0.02	0.0	360.0	-27.56	3.05	0.89	0.0	3.12	4.95
223	65	6.23	-0.79	4.01e-03	0.0	0.0	-32.85	-1.52	-0.89	0.0	-0.79	6.23
		-2.65	-3.11	-0.02	0.0	360.0	-30.66	-1.52	-0.89	0.0	-3.11	-2.65
223	83	4.85	5.36	-2.44e-03	0.0	0.0	-30.43	2.34	1.59	0.0	0.29	-4.52
		-4.52	0.29	0.01	0.0	360.0	-28.24	2.34	1.59	0.0	5.36	4.85
223	86	1.29	-0.26	1.00e-03	0.0	0.0	-32.18	-0.80	-1.59	0.0	-0.26	1.29

		-2.55	-5.35	-0.01	0.0	360.0	-29.98	-0.80	-1.59	0.0	-5.35	-2.55
223	91	5.60	4.61	-3.58e-03	0.0	0.0	-30.34	3.17	1.39	0.0	0.28	-6.64
		-6.64	0.28	0.01	0.0	360.0	-28.15	3.17	1.39	0.0	4.61	5.60
223	92	4.46	2.28	-4.91e-03	0.0	0.0	-29.90	2.81	0.66	0.0	0.74	-8.56
		-8.56	0.74	0.02	0.0	360.0	-27.71	2.81	0.66	0.0	2.28	4.46
223	93	5.34	-0.71	3.48e-03	0.0	0.0	-32.71	-1.28	-0.66	0.0	-0.71	5.34
		-2.16	-2.28	-0.02	0.0	360.0	-30.51	-1.28	-0.66	0.0	-2.28	-2.16
223	96	4.55	2.76	-4.90e-03	0.0	0.0	-29.92	2.80	0.78	0.0	0.74	-8.56
		-8.56	0.74	0.02	0.0	360.0	-27.73	2.80	0.78	0.0	2.76	4.55
223	115	7.61	9.88	-3.88e-03	0.0	0.0	-29.93	3.45	2.94	0.0	0.54	-6.82
		-6.82	0.54	0.03	0.0	360.0	-27.74	3.45	2.94	0.0	9.88	7.61
223	118	3.60	-0.51	2.45e-03	0.0	0.0	-32.67	-1.91	-2.94	0.0	-0.51	3.60
		-5.32	-9.88	-0.02	0.0	360.0	-30.48	-1.91	-2.94	0.0	-9.88	-5.32
223	124	6.67	4.15	-8.48e-03	0.0	0.0	-28.96	4.29	1.21	0.0	1.32	-14.31
		-14.31	1.32	0.03	0.0	360.0	-26.76	4.29	1.21	0.0	4.15	6.67
223	125	11.08	-1.28	7.04e-03	0.0	0.0	-33.65	-2.76	-1.22	0.0	-1.28	11.08
		-4.37	-4.15	-0.03	0.0	360.0	-31.46	-2.76	-1.22	0.0	-4.15	-4.37
223	128	6.82	5.05	-8.47e-03	0.0	0.0	-28.99	4.27	1.45	0.0	1.31	-14.33
		-14.33	1.31	0.03	0.0	360.0	-26.80	4.27	1.45	0.0	5.05	6.82
223	129	11.10	-1.28	7.04e-03	0.0	0.0	-33.61	-2.73	-1.46	0.0	-1.28	11.10
		-4.52	-5.04	-0.03	0.0	360.0	-31.42	-2.73	-1.46	0.0	-5.04	-4.52
231	2	-0.08	3.18	-2.95e-04	0.0	0.0	-40.25	0.05	1.88	-1.13e-03	-1.44	-0.21
		-0.21	-1.44	-1.54e-04	0.0	245.5	-38.31	0.05	1.88	-1.13e-03	3.18	-0.08
231	3	-0.01	0.61	-5.87e-05	0.0	0.0	-26.13	5.95e-03	0.29	-1.91e-04	-0.09	-0.03
		-0.03	-0.09	1.70e-04	0.0	245.5	-24.63	5.95e-03	0.29	-1.91e-04	0.61	-0.01
231	6	-0.06	2.49	-2.32e-04	0.0	0.0	-44.16	0.04	1.39	-8.76e-04	-0.93	-0.15
		-0.15	-0.93	2.09e-04	0.0	245.5	-42.22	0.04	1.39	-8.76e-04	2.49	-0.06
231	7	-0.01	0.65	-5.93e-05	0.0	0.0	-31.62	2.03e-03	0.25	-1.94e-04	0.02	-0.02
		-0.02	0.02	2.99e-04	0.0	245.5	-30.12	2.03e-03	0.25	-1.94e-04	0.65	-0.01
231	9	-0.01	0.58	-6.11e-05	0.0	0.0	-24.89	8.25e-03	0.29	-1.98e-04	-0.14	-0.03
		-0.03	-0.14	1.10e-04	0.0	245.5	-23.40	8.25e-03	0.29	-1.98e-04	0.58	-0.01
231	10	-0.05	2.20	-2.03e-04	0.0	0.0	-28.41	0.04	1.30	-7.76e-04	-1.00	-0.15
		-0.15	-1.00	-1.10e-04	0.0	245.5	-26.92	0.04	1.30	-7.76e-04	2.20	-0.05
231	11	-0.01	0.60	-6.15e-05	0.0	0.0	-28.56	5.64e-03	0.27	-1.99e-04	-0.06	-0.03
		-0.03	-0.06	1.96e-04	0.0	245.5	-27.06	5.64e-03	0.27	-1.99e-04	0.60	-0.01
231	12	-0.04	1.74	-1.61e-04	0.0	0.0	-31.02	0.03	0.98	-6.05e-04	-0.66	-0.11
		-0.11	-0.66	1.34e-04	0.0	245.5	-29.52	0.03	0.98	-6.05e-04	1.74	-0.04
231	13	-0.01	0.54	-6.05e-05	0.0	0.0	-19.40	0.01	0.33	-1.95e-04	-0.26	-0.04
		-0.04	-0.26	-4.11e-05	0.0	245.5	-17.91	0.01	0.33	-1.95e-04	0.54	-0.01
231	14	-0.03	1.35	-1.31e-04	0.0	0.0	-21.16	0.03	0.83	-4.84e-04	-0.69	-0.10
		-0.10	-0.69	-1.14e-04	0.0	245.5	-19.67	0.03	0.83	-4.84e-04	1.35	-0.03
231	15	-0.01	0.55	-6.07e-05	0.0	0.0	-21.23	0.01	0.31	-1.96e-04	-0.22	-0.04
		-0.04	-0.22	2.45e-05	0.0	245.5	-19.74	0.01	0.31	-1.96e-04	0.55	-0.01
231	16	-0.03	1.04	-1.03e-04	0.0	0.0	-22.29	0.02	0.62	-3.69e-04	-0.48	-0.07
		-0.07	-0.48	-5.87e-05	0.0	245.5	-20.79	0.02	0.62	-3.69e-04	1.04	-0.03
231	17	-0.01	0.54	-6.05e-05	0.0	0.0	-19.40	0.01	0.33	-1.95e-04	-0.26	-0.04
		-0.04	-0.26	-4.11e-05	0.0	245.5	-17.91	0.01	0.33	-1.95e-04	0.54	-0.01
231	18	-0.03	1.02	-1.03e-04	0.0	0.0	-20.46	0.02	0.63	-3.68e-04	-0.52	-0.08
		-0.08	-0.52	-8.49e-05	0.0	245.5	-18.96	0.02	0.63	-3.68e-04	1.02	-0.03
231	19	5.42	1.76	-3.61e-03	0.0	0.0	134.34	1.13	-0.82	0.02	1.76	2.23
		2.23	-0.24	1.46e-03	0.0	245.5	135.83	1.13	-0.82	0.02	-0.24	5.42
231	22	-2.38	2.29	3.41e-03	0.0	0.0	-175.25	-1.09	2.07	-0.02	-2.80	-2.38
		-5.47	-2.80	-1.55e-03	0.0	245.5	-173.76	-1.09	2.07	-0.02	2.29	-5.47
231	47	3.60	4.58	2.17e-03	0.0	0.0	172.50	-0.60	3.29	0.01	-4.75	1.76
		1.76	-4.75	-3.04e-03	0.0	245.5	173.99	-0.60	3.29	0.01	4.58	3.60
231	48	-1.15	5.97	-5.04e-03	0.0	0.0	-137.71	1.40	-3.46	-6.53e-03	5.97	-1.15
		-1.86	-1.29	4.47e-03	0.0	245.5	-136.22	1.40	-3.46	-6.53e-03	-1.29	-1.86
231	49	1.81	3.33	4.84e-03	0.0	0.0	96.80	-1.36	4.72	5.80e-03	-7.01	0.99
		0.99	-7.01	-4.56e-03	0.0	245.5	98.29	-1.36	4.72	5.80e-03	3.33	1.81
231	50	-1.91	3.71	-2.38e-03	0.0	0.0	-213.41	0.65	-2.04	-0.01	3.71	-1.91
		-3.65	-2.53	2.95e-03	0.0	245.5	-211.92	0.65	-2.04	-0.01	-2.53	-3.65
231	51	3.94	1.17	-2.65e-03	0.0	0.0	93.68	0.84	-0.44	0.01	1.17	1.65
		1.65	0.09	1.08e-03	0.0	245.5	95.18	0.84	-0.44	0.01	0.09	3.94
231	54	-1.80	1.96	2.44e-03	0.0	0.0	-134.60	-0.80	1.70	-0.01	-2.21	-1.80
		-3.99	-2.21	-1.17e-03	0.0	245.5	-133.10	-0.80	1.70	-0.01	1.96	-3.99
231	79	2.64	3.68	1.58e-03	0.0	0.0	122.32	-0.44	2.63	8.53e-03	-3.70	1.34
		1.34	-3.70	-2.30e-03	0.0	245.5	123.82	-0.44	2.63	8.53e-03	3.68	2.64
231	80	-0.89	4.33	-3.73e-03	0.0	0.0	-108.11	1.04	-2.43	-4.87e-03	4.33	-0.89
		-1.38	-0.71	3.34e-03	0.0	245.5	-106.62	1.04	-2.43	-4.87e-03	-0.71	-1.38
231	81	1.33	2.76	3.53e-03	0.0	0.0	67.20	-1.00	3.68	4.13e-03	-5.37	0.73
		0.73	-5.37	-3.43e-03	0.0	245.5	68.69	-1.00	3.68	4.13e-03	2.76	1.33
231	82	-1.50	2.66	-1.78e-03	0.0	0.0	-163.24	0.48	-1.37	-9.27e-03	2.66	-1.50
		-2.69	-1.63	2.21e-03	0.0	245.5	-161.75	0.48	-1.37	-9.27e-03	-1.63	-2.69
231	83	3.48	0.98	-2.35e-03	0.0	0.0	80.55	0.75	-0.32	0.01	0.98	1.46
		1.46	0.20	9.51e-04	0.0	245.5	82.05	0.75	-0.32	0.01	0.20	3.48

231	86	-1.61	1.85	2.15e-03	0.0	0.0	-121.47	-0.71	1.58	-0.01	-2.02	-1.61
		-3.53	-2.02	-1.04e-03	0.0	245.5	-119.98	-0.71	1.58	-0.01	1.85	-3.53
231	111	2.33	3.38	1.38e-03	0.0	0.0	105.99	-0.38	2.41	7.50e-03	-3.34	1.19
		1.19	-3.34	-2.05e-03	0.0	245.5	107.48	-0.38	2.41	7.50e-03	3.38	2.33
231	112	-0.79	3.78	-3.32e-03	0.0	0.0	-98.17	0.93	-2.08	-4.35e-03	3.78	-0.79
		-1.22	-0.52	2.95e-03	0.0	245.5	-96.68	0.93	-2.08	-4.35e-03	-0.52	-1.22
231	113	1.17	2.56	3.11e-03	0.0	0.0	57.26	-0.89	3.34	3.61e-03	-4.82	0.64
		0.64	-4.82	-3.04e-03	0.0	245.5	58.75	-0.89	3.34	3.61e-03	2.56	1.17
231	114	-1.34	2.30	-1.59e-03	0.0	0.0	-146.91	0.43	-1.15	-8.24e-03	2.30	-1.34
		-2.38	-1.33	1.96e-03	0.0	245.5	-145.41	0.43	-1.15	-8.24e-03	-1.33	-2.38
231	115	6.53	2.23	-4.34e-03	0.0	0.0	166.26	1.35	-1.11	0.02	2.23	2.68
		2.68	-0.50	1.78e-03	0.0	245.5	167.75	1.35	-1.11	0.02	-0.50	6.53
231	118	-2.83	2.55	4.13e-03	0.0	0.0	-207.17	-1.31	2.37	-0.02	-3.27	-2.83
		-6.58	-3.27	-1.87e-03	0.0	245.5	-205.68	-1.31	2.37	-0.02	2.55	-6.58
231	143	4.33	5.32	2.65e-03	0.0	0.0	213.02	-0.74	3.85	0.01	-5.64	2.11
		2.11	-5.64	-3.67e-03	0.0	245.5	214.52	-0.74	3.85	0.01	5.32	4.33
231	144	-1.36	7.33	-6.08e-03	0.0	0.0	-162.27	1.68	-4.32	-7.82e-03	7.33	-1.36
		-2.22	-1.77	5.41e-03	0.0	245.5	-160.78	1.68	-4.32	-7.82e-03	-1.77	-2.22
231	145	2.17	3.82	5.87e-03	0.0	0.0	121.36	-1.64	5.58	7.08e-03	-8.37	1.20
		1.20	-8.37	-5.50e-03	0.0	245.5	122.85	-1.64	5.58	7.08e-03	3.82	2.17
231	146	-2.26	4.60	-2.85e-03	0.0	0.0	-253.94	0.78	-2.59	-0.02	4.60	-2.26
		-4.38	-3.28	3.58e-03	0.0	245.5	-252.44	0.78	-2.59	-0.02	-3.28	-4.38
237	2	0.14	0.18	-4.18e-04	0.0	0.0	-13.29	-0.04	0.27	-1.91e-04	-0.80	0.14
		3.27e-03	-0.80	6.19e-04	0.0	360.0	-10.44	-0.04	0.27	-1.91e-04	0.18	3.27e-03
237	3	0.07	0.04	-5.73e-05	0.0	0.0	-9.66	-0.02	-0.07	7.75e-05	0.04	0.07
		7.94e-04	-0.22	3.51e-04	0.0	360.0	-7.47	-0.02	-0.07	7.75e-05	-0.22	7.94e-04
237	4	0.13	0.17	-3.83e-04	0.0	0.0	-9.06	-0.04	0.26	-1.90e-04	-0.76	0.13
		3.00e-03	-0.76	5.98e-04	0.0	360.0	-6.87	-0.04	0.26	-1.90e-04	0.17	3.00e-03
237	5	0.10	0.16	-7.75e-05	0.0	0.0	-15.21	-0.03	-0.16	7.54e-05	0.16	0.10
		1.27e-03	-0.42	5.84e-04	0.0	360.0	-12.36	-0.03	-0.16	7.54e-05	-0.42	1.27e-03
237	6	0.15	-0.15	-3.05e-04	0.0	0.0	-14.78	-0.04	0.07	-1.12e-04	-0.40	0.15
		2.82e-03	-0.40	7.57e-04	0.0	360.0	-11.93	-0.04	0.07	-1.12e-04	-0.15	2.82e-03
237	7	0.10	0.20	-4.20e-05	0.0	0.0	-10.97	-0.03	-0.18	7.62e-05	0.20	0.10
		1.01e-03	-0.43	5.62e-04	0.0	360.0	-8.78	-0.03	-0.18	7.62e-05	-0.43	1.01e-03
237	9	0.05	-0.04	-6.99e-05	0.0	0.0	-9.84	-0.02	-0.02	6.75e-05	-0.04	0.05
		7.41e-04	-0.12	2.50e-04	0.0	360.0	-7.65	-0.02	-0.02	6.75e-05	-0.12	7.41e-04
237	10	0.10	0.14	-2.87e-04	0.0	0.0	-9.44	-0.03	0.20	-1.11e-04	-0.57	0.10
		2.21e-03	-0.57	4.15e-04	0.0	360.0	-7.25	-0.03	0.20	-1.11e-04	0.14	2.21e-03
237	11	0.07	0.07	-5.97e-05	0.0	0.0	-10.72	-0.02	-0.09	6.66e-05	0.07	0.07
		8.84e-04	-0.26	3.91e-04	0.0	360.0	-8.52	-0.02	-0.09	6.66e-05	-0.26	8.84e-04
237	12	0.10	-0.08	-2.12e-04	0.0	0.0	-10.44	-0.03	0.06	-5.84e-05	-0.30	0.10
		1.91e-03	-0.30	5.06e-04	0.0	360.0	-8.24	-0.03	0.06	-5.84e-05	-0.08	1.91e-03
237	13	0.03	0.10	-8.52e-05	0.0	0.0	-8.54	-7.28e-03	0.08	6.88e-05	-0.20	0.03
		5.28e-04	-0.20	3.93e-05	0.0	360.0	-6.34	-7.28e-03	0.08	6.88e-05	0.10	5.28e-04
237	14	0.05	0.23	-1.94e-04	0.0	0.0	-8.34	-0.01	0.19	-2.04e-05	-0.47	0.05
		1.26e-03	-0.47	1.21e-04	0.0	360.0	-6.14	-0.01	0.19	-2.04e-05	0.23	1.26e-03
237	15	0.04	0.03	-8.01e-05	0.0	0.0	-8.97	-9.86e-03	0.05	6.84e-05	-0.15	0.04
		5.99e-04	-0.15	1.09e-04	0.0	360.0	-6.78	-9.86e-03	0.05	6.84e-05	0.03	5.99e-04
237	16	0.05	0.10	-1.45e-04	0.0	0.0	-8.85	-0.01	0.11	1.48e-05	-0.31	0.05
		1.04e-03	-0.31	1.59e-04	0.0	360.0	-6.66	-0.01	0.11	1.48e-05	0.10	1.04e-03
237	17	0.03	0.10	-8.52e-05	0.0	0.0	-8.54	-7.28e-03	0.08	6.88e-05	-0.20	0.03
		5.28e-04	-0.20	3.93e-05	0.0	360.0	-6.34	-7.28e-03	0.08	6.88e-05	0.10	5.28e-04
237	18	0.04	0.18	-1.50e-04	0.0	0.0	-8.42	-0.01	0.15	1.53e-05	-0.36	0.04
		9.69e-04	-0.36	8.83e-05	0.0	360.0	-6.22	-0.01	0.15	1.53e-05	0.18	9.69e-04
237	19	6.28	2.19	-1.66e-03	0.0	0.0	38.34	-1.75	-1.37	-0.02	2.19	6.28
		-0.03	-2.73	2.45e-03	0.0	360.0	40.54	-1.75	-1.37	-0.02	-2.73	-0.03
237	22	0.03	3.09	1.36e-03	0.0	0.0	-55.18	1.73	1.67	0.02	-2.92	-6.20
		-6.20	-2.92	-2.27e-03	0.0	360.0	-52.98	1.73	1.67	0.02	3.09	0.03
237	47	4.31	5.49	2.01e-03	0.0	0.0	49.62	-1.20	2.94	0.01	-5.10	4.31
		-0.02	-5.10	-4.69e-03	0.0	360.0	51.81	-1.20	2.94	0.01	5.49	-0.02
237	48	0.01	6.93	-4.54e-03	0.0	0.0	-43.07	0.57	-4.16	-0.02	6.93	-2.04
		-2.04	-8.05	7.25e-03	0.0	360.0	-40.88	0.57	-4.16	-0.02	-8.05	0.01
237	49	2.12	8.40	4.24e-03	0.0	0.0	26.24	-0.59	4.46	0.02	-7.65	2.12
		-9.27e-03	-7.65	-7.07e-03	0.0	360.0	28.43	-0.59	4.46	0.02	8.40	-9.27e-03
237	50	0.02	4.37	-2.31e-03	0.0	0.0	-66.45	1.18	-2.64	-0.01	4.37	-4.23
		-4.23	-5.14	4.86e-03	0.0	360.0	-64.25	1.18	-2.64	-0.01	-5.14	0.02
237	51	4.56	1.53	-1.28e-03	0.0	0.0	26.07	-1.27	-0.98	-0.01	1.53	4.56
		-0.02	-1.98	1.86e-03	0.0	360.0	28.26	-1.27	-0.98	-0.01	-1.98	-0.02
237	54	0.02	2.33	9.78e-04	0.0	0.0	-42.90	1.25	1.28	0.01	-2.26	-4.48
		-4.48	-2.26	-1.68e-03	0.0	360.0	-40.71	1.25	1.28	0.01	2.33	0.02
237	79	3.17	4.17	1.49e-03	0.0	0.0	34.50	-0.88	2.25	8.18e-03	-3.92	3.17
		-0.02	-3.92	-3.51e-03	0.0	360.0	36.69	-0.88	2.25	8.18e-03	4.17	-0.02
237	80	8.52e-03	5.08	-3.45e-03	0.0	0.0	-34.33	0.42	-3.07	-0.01	5.08	-1.49
		-1.49	-5.96	5.46e-03	0.0	360.0	-32.14	0.42	-3.07	-0.01	-5.96	8.52e-03
237	81	1.57	6.31	3.15e-03	0.0	0.0	17.50	-0.44	3.37	0.01	-5.80	1.57

		-6.58e-03	-5.80	-5.29e-03	0.0	360.0	19.70	-0.44	3.37	0.01	6.31	-6.58e-03
237	82	0.02	3.20	-1.79e-03	0.0	0.0	-51.33	0.86	-1.95	-8.15e-03	3.20	-3.09
		-3.09	-3.82	3.68e-03	0.0	360.0	-49.14	0.86	-1.95	-8.15e-03	-3.82	0.02
237	83	4.03	1.32	-1.15e-03	0.0	0.0	22.10	-1.12	-0.85	-0.01	1.32	4.03
		-0.02	-1.73	1.66e-03	0.0	360.0	24.30	-1.12	-0.85	-0.01	-1.73	-0.02
237	86	0.02	2.09	8.50e-04	0.0	0.0	-38.94	1.10	1.15	0.01	-2.04	-3.95
		-3.95	-2.04	-1.48e-03	0.0	360.0	-36.74	1.10	1.15	0.01	2.09	0.02
237	111	2.80	3.72	1.31e-03	0.0	0.0	29.59	-0.78	2.01	7.26e-03	-3.52	2.80
		-0.01	-3.52	-3.10e-03	0.0	360.0	31.78	-0.78	2.01	7.26e-03	3.72	-0.01
237	112	7.65e-03	4.46	-3.08e-03	0.0	0.0	-31.40	0.37	-2.70	-0.01	4.46	-1.32
		-1.32	-5.27	4.86e-03	0.0	360.0	-29.21	0.37	-2.70	-0.01	-5.27	7.65e-03
237	113	1.39	5.62	2.78e-03	0.0	0.0	14.57	-0.39	3.00	0.01	-5.19	1.39
		-5.71e-03	-5.19	-4.68e-03	0.0	360.0	16.76	-0.39	3.00	0.01	5.62	-5.71e-03
237	114	0.02	2.80	-1.61e-03	0.0	0.0	-46.42	0.76	-1.71	-7.22e-03	2.80	-2.73
		-2.73	-3.37	3.28e-03	0.0	360.0	-44.23	0.76	-1.71	-7.22e-03	-3.37	0.02
237	115	7.56	2.72	-1.97e-03	0.0	0.0	47.96	-2.11	-1.68	-0.02	2.72	7.56
		-0.03	-3.34	2.94e-03	0.0	360.0	50.15	-2.11	-1.68	-0.02	-3.34	-0.03
237	118	0.03	3.69	1.67e-03	0.0	0.0	-64.79	2.09	1.98	0.02	-3.44	-7.48
		-7.48	-3.44	-2.76e-03	0.0	360.0	-62.60	2.09	1.98	0.02	3.69	0.03
237	143	5.17	6.61	2.46e-03	0.0	0.0	61.79	-1.44	3.53	0.01	-6.09	5.17
		-0.03	-6.09	-5.69e-03	0.0	360.0	63.98	-1.44	3.53	0.01	6.61	-0.03
237	144	0.01	8.46	-5.46e-03	0.0	0.0	-50.32	0.68	-5.06	-0.02	8.46	-2.44
		-2.44	-9.78	8.75e-03	0.0	360.0	-48.13	0.68	-5.06	-0.02	-9.78	0.01
237	145	2.52	10.13	5.16e-03	0.0	0.0	33.49	-0.70	5.36	0.02	-9.18	2.52
		-0.01	-9.18	-8.58e-03	0.0	360.0	35.68	-0.70	5.36	0.02	10.13	-0.01
237	146	0.03	5.36	-2.76e-03	0.0	0.0	-78.62	1.42	-3.23	-0.01	5.36	-5.09
		-5.09	-6.25	5.86e-03	0.0	360.0	-76.43	1.42	-3.23	-0.01	-6.25	0.03
244	1	-0.09	0.09	-7.21e-06	0.0	0.0	-20.81	-0.02	-0.35	-2.87e-04	0.09	-0.09
		-0.11	-0.19	3.88e-06	0.0	80.0	-20.19	-0.02	-0.35	-2.87e-04	-0.19	-0.11
244	3	-0.07	0.05	-5.50e-06	0.0	0.0	-15.97	-3.13e-03	-0.23	-2.87e-04	0.05	-0.07
		-0.07	-0.13	2.77e-06	0.0	80.0	-15.49	-3.13e-03	-0.23	-2.87e-04	-0.13	-0.07
244	6	-0.11	0.06	-8.66e-06	0.0	0.0	-22.78	0.02	-0.32	-1.20e-03	0.06	-0.13
		-0.13	-0.20	3.55e-06	0.0	80.0	-22.16	0.02	-0.32	-1.20e-03	-0.20	-0.11
244	9	-0.06	0.06	-5.34e-06	0.0	0.0	-15.74	-0.02	-0.25	-1.83e-04	0.06	-0.06
		-0.08	-0.14	2.95e-06	0.0	80.0	-15.27	-0.02	-0.25	-1.83e-04	-0.14	-0.08
244	12	-0.08	0.04	-6.31e-06	0.0	0.0	-17.05	0.01	-0.24	-7.91e-04	0.04	-0.09
		-0.09	-0.14	2.73e-06	0.0	80.0	-16.58	0.01	-0.24	-7.91e-04	-0.14	-0.08
244	13	-0.04	0.08	-4.72e-06	0.0	0.0	-14.93	-0.04	-0.26	3.70e-05	0.08	-0.04
		-0.07	-0.13	3.13e-06	0.0	80.0	-14.45	-0.04	-0.26	3.70e-05	-0.13	-0.07
244	16	-0.06	0.07	-5.17e-06	0.0	0.0	-15.53	-0.02	-0.26	-2.34e-04	0.07	-0.06
		-0.08	-0.14	3.03e-06	0.0	80.0	-15.05	-0.02	-0.26	-2.34e-04	-0.14	-0.08
244	17	-0.04	0.08	-4.72e-06	0.0	0.0	-14.93	-0.04	-0.26	3.70e-05	0.08	-0.04
		-0.07	-0.13	3.13e-06	0.0	80.0	-14.45	-0.04	-0.26	3.70e-05	-0.13	-0.07
244	18	-0.05	0.07	-4.96e-06	0.0	0.0	-15.26	-0.03	-0.26	-1.61e-04	0.07	-0.05
		-0.07	-0.14	3.09e-06	0.0	80.0	-14.78	-0.03	-0.26	-1.61e-04	-0.14	-0.07
244	19	-0.10	-0.31	4.74e-05	0.0	0.0	110.98	0.11	1.21	-8.92e-03	-1.23	-0.17
		-0.17	-1.23	-6.41e-05	0.0	80.0	111.46	0.11	1.21	-8.92e-03	-0.31	-0.10
244	22	0.07	1.37	-5.74e-05	0.0	0.0	-141.50	-0.16	-1.73	8.60e-03	1.37	0.07
		-0.05	0.03	7.03e-05	0.0	80.0	-141.02	-0.16	-1.73	8.60e-03	0.03	-0.05
244	24	-0.25	-0.41	1.94e-05	0.0	0.0	58.41	0.84	1.40	-0.02	-1.49	-0.88
		-0.88	-1.49	-4.63e-05	0.0	80.0	58.89	0.84	1.40	-0.02	-0.41	-0.25
244	25	0.78	1.64	-2.93e-05	0.0	0.0	-88.92	-0.90	-1.92	0.02	1.64	0.78
		0.10	0.14	5.25e-05	0.0	80.0	-88.45	-0.90	-1.92	0.02	0.14	0.10
244	36	-0.36	-0.39	-4.41e-05	0.0	0.0	-82.00	1.38	0.47	-0.03	-0.75	-1.42
		-1.42	-0.75	1.71e-05	0.0	80.0	-81.52	1.38	0.47	-0.03	-0.39	-0.36
244	37	1.32	0.90	3.42e-05	0.0	0.0	51.49	-1.43	-0.99	0.03	0.90	1.32
		0.21	0.12	-1.10e-05	0.0	80.0	51.96	-1.43	-0.99	0.03	0.12	0.21
244	51	-0.09	-0.26	3.42e-05	0.0	0.0	78.75	0.09	0.86	-6.73e-03	-0.92	-0.16
		-0.16	-0.92	-4.75e-05	0.0	80.0	79.23	0.09	0.86	-6.73e-03	-0.26	-0.09
244	54	0.06	1.06	-4.41e-05	0.0	0.0	-109.27	-0.15	-1.37	6.40e-03	1.06	0.06
		-0.06	-7.01e-03	5.37e-05	0.0	80.0	-108.79	-0.15	-1.37	6.40e-03	-7.01e-03	-0.06
244	56	-0.21	-0.35	1.31e-05	0.0	0.0	39.42	0.64	1.00	-0.02	-1.12	-0.70
		-0.70	-1.12	-3.43e-05	0.0	80.0	39.89	0.64	1.00	-0.02	-0.35	-0.21
244	57	0.59	1.26	-2.30e-05	0.0	0.0	-69.93	-0.70	-1.52	0.02	1.26	0.59
		0.06	0.08	4.05e-05	0.0	80.0	-69.46	-0.70	-1.52	0.02	0.08	0.06
244	68	-0.29	-0.33	-3.45e-05	0.0	0.0	-65.21	1.04	0.30	-0.02	-0.56	-1.09
		-1.09	-0.56	1.31e-05	0.0	80.0	-64.73	1.04	0.30	-0.02	-0.33	-0.29
244	69	0.99	0.71	2.46e-05	0.0	0.0	34.69	-1.09	-0.82	0.02	0.71	0.99
		0.14	0.06	-6.96e-06	0.0	80.0	35.17	-1.09	-0.82	0.02	0.06	0.14
244	83	-0.09	-0.25	2.98e-05	0.0	0.0	68.05	0.08	0.73	-5.98e-03	-0.81	-0.15
		-0.15	-0.81	-4.18e-05	0.0	80.0	68.53	0.08	0.73	-5.98e-03	-0.25	-0.09
244	86	0.04	0.95	-3.97e-05	0.0	0.0	-98.57	-0.14	-1.25	5.66e-03	0.95	0.04
		-0.06	-0.02	4.80e-05	0.0	80.0	-98.09	-0.14	-1.25	5.66e-03	-0.02	-0.06
244	88	-0.19	-0.32	1.10e-05	0.0	0.0	33.17	0.57	0.86	-0.02	-0.99	-0.63
		-0.63	-0.99	-3.01e-05	0.0	80.0	33.65	0.57	0.86	-0.02	-0.32	-0.19

244	89	0.52	1.13	-2.09e-05	0.0	0.0	-63.68	-0.63	-1.38	0.02	1.13	0.52
		0.04	0.05	3.63e-05	0.0	80.0	-63.21	-0.63	-1.38	0.02	0.05	0.04
244	100	-0.27	-0.31	-3.12e-05	0.0	0.0	-59.57	0.92	0.24	-0.02	-0.49	-0.97
		-0.97	-0.49	1.20e-05	0.0	80.0	-59.10	0.92	0.24	-0.02	-0.31	-0.27
244	101	0.87	0.64	2.13e-05	0.0	0.0	29.06	-0.98	-0.76	0.02	0.64	0.87
		0.12	0.04	-5.78e-06	0.0	80.0	29.54	-0.98	-0.76	0.02	0.04	0.12
244	115	-0.10	-0.34	5.80e-05	0.0	0.0	135.69	0.13	1.48	-0.01	-1.47	-0.19
		-0.19	-1.47	-7.68e-05	0.0	80.0	136.17	0.13	1.48	-0.01	-0.34	-0.10
244	118	0.09	1.62	-6.79e-05	0.0	0.0	-166.20	-0.19	-2.00	0.01	1.62	0.09
		-0.05	0.07	8.30e-05	0.0	80.0	-165.73	-0.19	-2.00	0.01	0.07	-0.05
244	120	-0.28	-0.47	2.42e-05	0.0	0.0	72.58	1.01	1.71	-0.03	-1.79	-1.05
		-1.05	-1.79	-5.57e-05	0.0	80.0	73.05	1.01	1.71	-0.03	-0.47	-0.28
244	121	0.95	1.94	-3.42e-05	0.0	0.0	-103.09	-1.06	-2.23	0.03	1.94	0.95
		0.14	0.20	6.19e-05	0.0	80.0	-102.61	-1.06	-2.23	0.03	0.20	0.14
244	132	-0.42	-0.44	-5.22e-05	0.0	0.0	-95.75	1.66	0.61	-0.04	-0.92	-1.70
		-1.70	-0.92	1.99e-05	0.0	80.0	-95.27	1.66	0.61	-0.04	-0.44	-0.42
244	133	1.60	1.06	4.22e-05	0.0	0.0	65.24	-1.72	-1.13	0.04	1.06	1.60
		0.27	0.17	-1.37e-05	0.0	80.0	65.71	-1.72	-1.13	0.04	0.17	0.27
245	1	-5.36e-03	0.03	-2.51e-05	0.0	0.0	-12.54	0.01	-0.07	-1.31e-03	0.03	-0.02
		-0.02	-0.05	-4.56e-05	0.0	120.0	-11.61	0.01	-0.07	-1.31e-03	-0.05	-5.36e-03
245	2	-0.03	0.02	-4.21e-05	0.0	0.0	-13.45	-6.87e-04	-0.07	-3.07e-03	0.02	-0.03
		-0.03	-0.06	-4.54e-05	0.0	120.0	-12.52	-6.87e-04	-0.07	-3.07e-03	-0.06	-0.03
245	3	-2.60e-03	0.02	-2.15e-05	0.0	0.0	-9.67	8.40e-03	-0.05	-1.17e-03	0.02	-0.01
		-0.01	-0.03	-2.63e-05	0.0	120.0	-8.95	8.40e-03	-0.05	-1.17e-03	-0.03	-2.60e-03
245	6	-0.02	0.02	-4.24e-05	0.0	0.0	-13.63	-8.72e-05	-0.07	-3.02e-03	0.02	-0.02
		-0.02	-0.06	-4.59e-05	0.0	120.0	-12.70	-8.72e-05	-0.07	-3.02e-03	-0.06	-0.02
245	9	-2.02e-03	0.02	-1.86e-05	0.0	0.0	-9.52	9.61e-03	-0.05	-9.36e-04	0.02	-0.01
		-0.01	-0.04	-3.11e-05	0.0	120.0	-8.80	9.61e-03	-0.05	-9.36e-04	-0.04	-2.02e-03
245	10	-0.02	0.02	-2.99e-05	0.0	0.0	-10.12	1.45e-03	-0.05	-2.10e-03	0.02	-0.02
		-0.02	-0.04	-3.10e-05	0.0	120.0	-9.41	1.45e-03	-0.05	-2.10e-03	-0.04	-0.02
245	12	-0.01	0.02	-3.01e-05	0.0	0.0	-10.24	1.85e-03	-0.05	-2.07e-03	0.02	-0.02
		-0.02	-0.04	-3.13e-05	0.0	120.0	-9.53	1.85e-03	-0.05	-2.07e-03	-0.04	-0.01
245	13	2.71e-03	0.02	-1.32e-05	0.0	0.0	-9.07	0.01	-0.05	-4.61e-04	0.02	-0.01
		-0.01	-0.03	-3.07e-05	0.0	120.0	-8.35	0.01	-0.05	-4.61e-04	-0.03	2.71e-03
245	14	-4.29e-03	0.02	-1.88e-05	0.0	0.0	-9.37	8.60e-03	-0.05	-1.04e-03	0.02	-0.01
		-0.01	-0.04	-3.06e-05	0.0	120.0	-8.65	8.60e-03	-0.05	-1.04e-03	-0.04	-4.29e-03
245	16	-3.07e-03	0.02	-1.84e-05	0.0	0.0	-9.40	9.21e-03	-0.05	-9.70e-04	0.02	-0.01
		-0.01	-0.04	-3.08e-05	0.0	120.0	-8.68	9.21e-03	-0.05	-9.70e-04	-0.04	-3.07e-03
245	17	2.71e-03	0.02	-1.32e-05	0.0	0.0	-9.07	0.01	-0.05	-4.61e-04	0.02	-0.01
		-0.01	-0.03	-3.07e-05	0.0	120.0	-8.35	0.01	-0.05	-4.61e-04	-0.03	2.71e-03
245	18	-1.49e-03	0.02	-1.65e-05	0.0	0.0	-9.25	0.01	-0.05	-8.11e-04	0.02	-0.01
		-0.01	-0.04	-3.06e-05	0.0	120.0	-8.53	0.01	-0.05	-8.11e-04	-0.04	-1.49e-03
245	19	-0.08	-0.20	-1.77e-04	0.0	0.0	57.77	-0.15	-0.03	-0.01	-0.31	-0.08
		-0.23	-0.31	-4.42e-04	0.0	120.0	58.49	-0.15	-0.03	-0.01	-0.20	-0.23
245	22	0.22	0.36	1.44e-04	0.0	0.0	-76.27	0.17	-0.07	0.01	0.36	0.05
		0.05	0.12	3.80e-04	0.0	120.0	-75.55	0.17	-0.07	0.01	0.12	0.22
245	40	5.40e-03	0.13	-5.65e-04	0.0	0.0	-46.35	-0.31	-0.16	-0.05	0.13	5.40e-03
		-0.49	-0.29	9.31e-05	0.0	120.0	-45.64	-0.31	-0.16	-0.05	-0.29	-0.49
245	41	0.48	0.22	5.31e-04	0.0	0.0	27.86	0.33	0.07	0.05	-0.08	-0.03
		-0.03	-0.08	-1.54e-04	0.0	120.0	28.57	0.33	0.07	0.05	0.22	0.48
245	51	-0.06	-0.16	-1.37e-04	0.0	0.0	40.53	-0.11	-0.03	-0.01	-0.23	-0.06
		-0.17	-0.23	-3.38e-04	0.0	120.0	41.24	-0.11	-0.03	-0.01	-0.16	-0.17
245	52	-0.05	-0.15	-3.42e-04	0.0	0.0	17.56	-0.22	-0.08	-0.03	-0.15	-0.05
		-0.35	-0.24	-2.43e-04	0.0	120.0	18.27	-0.22	-0.08	-0.03	-0.24	-0.35
245	54	0.17	0.27	1.03e-04	0.0	0.0	-59.02	0.13	-0.07	9.83e-03	0.27	0.03
		0.03	0.08	2.76e-04	0.0	120.0	-58.31	0.13	-0.07	9.83e-03	0.08	0.17
245	72	6.46e-04	0.10	-4.31e-04	0.0	0.0	-36.82	-0.23	-0.14	-0.04	0.10	6.46e-04
		-0.37	-0.23	5.82e-05	0.0	120.0	-36.11	-0.23	-0.14	-0.04	-0.23	-0.37
245	73	0.37	0.16	3.98e-04	0.0	0.0	18.33	0.25	0.04	0.04	-0.05	-0.03
		-0.03	-0.05	-1.19e-04	0.0	120.0	19.04	0.25	0.04	0.04	0.16	0.37
245	84	-0.04	-0.13	-3.06e-04	0.0	0.0	14.48	-0.20	-0.08	-0.03	-0.13	-0.04
		-0.31	-0.22	-2.19e-04	0.0	120.0	15.20	-0.20	-0.08	-0.03	-0.22	-0.31
245	86	0.15	0.24	8.99e-05	0.0	0.0	-53.35	0.12	-0.06	8.63e-03	0.24	0.03
		0.03	0.07	2.41e-04	0.0	120.0	-52.63	0.12	-0.06	8.63e-03	0.07	0.15
245	99	0.19	0.05	2.29e-04	0.0	0.0	34.87	0.13	0.02	0.02	-0.15	-0.05
		-0.05	-0.15	-2.39e-04	0.0	120.0	35.59	0.13	0.02	0.02	0.05	0.19
245	102	0.02	0.20	-2.62e-04	0.0	0.0	-53.37	-0.11	-0.12	-0.02	0.20	0.02
		-0.19	-0.12	1.77e-04	0.0	120.0	-52.65	-0.11	-0.12	-0.02	-0.12	-0.19
245	104	-9.81e-04	0.09	-3.84e-04	0.0	0.0	-33.69	-0.20	-0.13	-0.04	0.09	-9.81e-04
		-0.33	-0.21	4.77e-05	0.0	120.0	-32.98	-0.20	-0.13	-0.04	-0.21	-0.33
245	105	0.32	0.13	3.51e-04	0.0	0.0	15.20	0.22	0.03	0.03	-0.04	-0.03
		-0.03	-0.04	-1.09e-04	0.0	120.0	15.91	0.22	0.03	0.03	0.13	0.32
245	115	-0.09	-0.23	-2.09e-04	0.0	0.0	70.93	-0.18	-0.02	-0.02	-0.38	-0.09
		-0.27	-0.38	-5.20e-04	0.0	120.0	71.65	-0.18	-0.02	-0.02	-0.23	-0.27
245	118	0.27	0.42	1.76e-04	0.0	0.0	-89.43	0.20	-0.07	0.02	0.42	0.06

		0.06	0.15	4.59e-04	0.0	120.0	-88.72	0.20	-0.07	0.02	0.15	0.27
245	136	9.43e-03	0.15	-6.77e-04	0.0	0.0	-54.12	-0.37	-0.19	-0.06	0.15	9.43e-03
		-0.59	-0.34	1.19e-04	0.0	120.0	-53.41	-0.37	-0.19	-0.06	-0.34	-0.59
245	137	0.58	0.27	6.44e-04	0.0	0.0	35.63	0.39	0.09	0.06	-0.10	-0.04
		-0.04	-0.10	-1.80e-04	0.0	120.0	36.34	0.39	0.09	0.06	0.27	0.58
246	2	-2.18e-03	0.03	-5.08e-05	0.0	0.0	-6.57	-0.01	-0.06	-2.14e-03	0.03	-2.18e-03
		-0.02	-0.04	-6.97e-05	0.0	120.0	-5.64	-0.01	-0.06	-2.14e-03	-0.04	-0.02
246	3	-4.07e-04	0.02	-2.39e-05	0.0	0.0	-4.79	-3.04e-03	-0.04	-6.72e-04	0.02	-4.07e-04
		-4.06e-03	-0.02	-4.11e-05	0.0	120.0	-4.08	-3.04e-03	-0.04	-6.72e-04	-0.02	-4.06e-03
246	6	-1.30e-03	0.03	-5.06e-05	0.0	0.0	-6.63	-0.01	-0.06	-1.83e-03	0.03	-1.30e-03
		-0.02	-0.04	-7.03e-05	0.0	120.0	-5.70	-0.01	-0.06	-1.83e-03	-0.04	-0.02
246	8	1.23e-03	0.02	-4.72e-05	0.0	0.0	-5.18	-0.01	-0.04	-1.73e-03	0.02	1.23e-03
		-0.01	-0.03	-4.07e-05	0.0	120.0	-4.47	-0.01	-0.04	-1.73e-03	-0.03	-0.01
246	9	-1.79e-03	0.02	-2.01e-05	0.0	0.0	-4.74	-1.40e-03	-0.04	-5.96e-04	0.02	-1.79e-03
		-3.48e-03	-0.03	-4.86e-05	0.0	120.0	-4.03	-1.40e-03	-0.04	-5.96e-04	-0.03	-3.48e-03
246	10	-1.29e-03	0.02	-3.59e-05	0.0	0.0	-4.97	-7.74e-03	-0.04	-1.51e-03	0.02	-1.29e-03
		-0.01	-0.03	-4.78e-05	0.0	120.0	-4.25	-7.74e-03	-0.04	-1.51e-03	-0.03	-0.01
246	12	-7.02e-04	0.02	-3.57e-05	0.0	0.0	-5.01	-7.78e-03	-0.04	-1.30e-03	0.02	-7.02e-04
		-0.01	-0.03	-4.82e-05	0.0	120.0	-4.29	-7.78e-03	-0.04	-1.30e-03	-0.03	-0.01
246	13	-1.10e-03	0.02	-1.33e-05	0.0	0.0	-4.58	1.50e-03	-0.04	-4.96e-04	0.02	-2.90e-03
		-2.90e-03	-0.02	-4.82e-05	0.0	120.0	-3.87	1.50e-03	-0.04	-4.96e-04	-0.02	-1.10e-03
246	14	-2.65e-03	0.02	-2.12e-05	0.0	0.0	-4.69	-1.67e-03	-0.04	-9.54e-04	0.02	-2.65e-03
		-4.65e-03	-0.03	-4.79e-05	0.0	120.0	-3.98	-1.67e-03	-0.04	-9.54e-04	-0.03	-4.65e-03
246	16	-2.38e-03	0.02	-2.03e-05	0.0	0.0	-4.70	-1.37e-03	-0.04	-8.04e-04	0.02	-2.38e-03
		-4.02e-03	-0.03	-4.81e-05	0.0	120.0	-3.99	-1.37e-03	-0.04	-8.04e-04	-0.03	-4.02e-03
246	17	-1.10e-03	0.02	-1.33e-05	0.0	0.0	-4.58	1.50e-03	-0.04	-4.96e-04	0.02	-2.90e-03
		-2.90e-03	-0.02	-4.82e-05	0.0	120.0	-3.87	1.50e-03	-0.04	-4.96e-04	-0.02	-1.10e-03
246	18	-2.75e-03	0.02	-1.80e-05	0.0	0.0	-4.65	-3.98e-04	-0.04	-7.71e-04	0.02	-2.75e-03
		-3.23e-03	-0.02	-4.80e-05	0.0	120.0	-3.94	-3.98e-04	-0.04	-7.71e-04	-0.02	-3.23e-03
246	19	0.06	8.15e-03	-2.16e-04	0.0	0.0	20.51	-0.12	-0.08	-6.30e-03	8.15e-03	0.06
		-0.11	-0.11	-5.50e-04	0.0	120.0	21.22	-0.12	-0.08	-6.30e-03	-0.11	-0.11
246	22	0.11	0.06	1.80e-04	0.0	0.0	-29.81	0.12	4.52e-03	4.76e-03	0.03	-0.06
		-0.06	0.03	4.53e-04	0.0	120.0	-29.09	0.12	4.52e-03	4.76e-03	0.06	0.11
246	36	0.10	0.05	-7.07e-04	0.0	0.0	-17.54	-0.26	-0.19	-0.02	0.05	0.10
		-0.24	-0.19	9.59e-05	0.0	120.0	-16.82	-0.26	-0.19	-0.02	-0.19	-0.24
246	37	0.23	0.14	6.70e-04	0.0	0.0	8.24	0.26	0.11	0.02	-9.07e-03	-0.10
		-0.10	-9.07e-03	-1.92e-04	0.0	120.0	8.95	0.26	0.11	0.02	0.14	0.23
246	51	0.04	0.01	-1.67e-04	0.0	0.0	13.95	-0.09	-0.07	-5.00e-03	0.01	0.04
		-0.09	-0.09	-4.22e-04	0.0	120.0	14.67	-0.09	-0.07	-5.00e-03	-0.09	-0.09
246	54	0.08	0.04	1.31e-04	0.0	0.0	-23.25	0.09	-6.28e-03	3.46e-03	0.03	-0.05
		-0.05	0.03	3.25e-04	0.0	120.0	-22.54	0.09	-6.28e-03	3.46e-03	0.04	0.08
246	68	0.07	0.04	-5.38e-04	0.0	0.0	-14.29	-0.19	-0.15	-0.01	0.04	0.07
		-0.18	-0.15	5.70e-05	0.0	120.0	-13.57	-0.19	-0.15	-0.01	-0.15	-0.18
246	69	0.17	0.10	5.02e-04	0.0	0.0	4.99	0.19	0.07	0.01	-2.03e-03	-0.08
		-0.08	-2.03e-03	-1.53e-04	0.0	120.0	5.70	0.19	0.07	0.01	0.10	0.17
246	83	0.04	0.01	-1.50e-04	0.0	0.0	11.82	-0.08	-0.07	-4.53e-03	0.01	0.04
		-0.08	-0.08	-3.79e-04	0.0	120.0	12.54	-0.08	-0.07	-4.53e-03	-0.08	-0.08
246	86	0.07	0.03	1.14e-04	0.0	0.0	-21.12	0.08	-9.86e-03	2.99e-03	0.03	-0.04
		-0.04	0.03	2.83e-04	0.0	120.0	-20.41	0.08	-9.86e-03	2.99e-03	0.03	0.07
246	100	0.07	0.04	-4.80e-04	0.0	0.0	-13.20	-0.17	-0.14	-0.01	0.04	0.07
		-0.16	-0.13	4.49e-05	0.0	120.0	-12.48	-0.17	-0.14	-0.01	-0.13	-0.16
246	101	0.15	0.08	4.44e-04	0.0	0.0	3.90	0.17	0.06	0.01	4.71e-04	-0.07
		-0.07	4.71e-04	-1.41e-04	0.0	120.0	4.61	0.17	0.06	0.01	0.08	0.15
246	115	0.07	5.90e-03	-2.56e-04	0.0	0.0	25.46	-0.14	-0.09	-7.40e-03	5.90e-03	0.07
		-0.14	-0.13	-6.45e-04	0.0	120.0	26.17	-0.14	-0.09	-7.40e-03	-0.13	-0.14
246	118	0.13	0.08	2.20e-04	0.0	0.0	-34.76	0.14	0.01	5.86e-03	0.04	-0.08
		-0.08	0.04	5.49e-04	0.0	120.0	-34.04	0.14	0.01	5.86e-03	0.08	0.13
246	132	0.12	0.06	-8.49e-04	0.0	0.0	-20.18	-0.31	-0.22	-0.02	0.06	0.12
		-0.29	-0.22	1.25e-04	0.0	120.0	-19.46	-0.31	-0.22	-0.02	-0.22	-0.29
246	133	0.28	0.17	8.13e-04	0.0	0.0	10.88	0.31	0.14	0.02	-0.02	-0.12
		-0.12	-0.02	-2.21e-04	0.0	120.0	11.59	0.31	0.14	0.02	0.17	0.28
247	1	0.02	3.39e-03	7.64e-05	0.0	0.0	-4.89	0.04	-7.40e-03	-7.86e-04	3.39e-03	-0.03
		-0.03	-5.48e-03	-2.56e-05	0.0	120.0	-3.96	0.04	-7.40e-03	-7.86e-04	-5.48e-03	0.02
247	2	0.03	2.27e-03	1.09e-04	0.0	0.0	-2.77	0.03	-4.82e-03	-2.14e-03	2.27e-03	-0.01
		-0.01	-3.51e-03	-4.97e-05	0.0	120.0	-1.84	0.03	-4.82e-03	-2.14e-03	-3.51e-03	0.03
247	4	0.02	-1.82e-04	7.97e-05	0.0	0.0	-1.34	0.02	-3.55e-03	-2.03e-03	-1.82e-04	-7.77e-03
		-7.77e-03	-4.45e-03	-4.68e-05	0.0	120.0	-0.62	0.02	-3.55e-03	-2.03e-03	-4.45e-03	0.02
247	5	0.02	3.94e-03	7.95e-05	0.0	0.0	-4.49	0.04	-8.44e-03	-8.88e-04	3.94e-03	-0.03
		-0.03	-6.18e-03	-3.25e-05	0.0	120.0	-3.56	0.04	-8.44e-03	-8.88e-04	-6.18e-03	0.02
247	7	0.01	1.49e-03	5.01e-05	0.0	0.0	-3.06	0.03	-7.17e-03	-7.77e-04	1.49e-03	-0.02
		-0.02	-7.12e-03	-2.96e-05	0.0	120.0	-2.35	0.03	-7.17e-03	-7.77e-04	-7.12e-03	0.01
247	9	0.02	1.72e-03	5.27e-05	0.0	0.0	-3.75	0.03	-5.56e-03	-6.05e-04	1.72e-03	-0.02
		-0.02	-4.96e-03	-1.89e-05	0.0	120.0	-3.03	0.03	-5.56e-03	-6.05e-04	-4.96e-03	0.02
247	10	0.02	9.70e-04	7.45e-05	0.0	0.0	-2.33	0.03	-3.85e-03	-1.51e-03	9.70e-04	-0.01
		-0.01	-3.65e-03	-3.50e-05	0.0	120.0	-1.62	0.03	-3.85e-03	-1.51e-03	-3.65e-03	0.02

247	11	0.02	2.08e-03	5.48e-05	0.0	0.0	-3.49	0.03	-6.26e-03	-6.72e-04	2.08e-03	-0.02
		-0.02	-5.43e-03	-2.35e-05	0.0	120.0	-2.77	0.03	-6.26e-03	-6.72e-04	-5.43e-03	0.02
247	13	0.02	1.17e-03	4.95e-05	0.0	0.0	-4.14	0.03	-4.52e-03	-5.03e-04	1.17e-03	-0.02
		-0.02	-4.26e-03	-1.20e-05	0.0	120.0	-3.43	0.03	-4.52e-03	-5.03e-04	-4.26e-03	0.02
247	14	0.02	7.96e-04	6.05e-05	0.0	0.0	-3.43	0.03	-3.67e-03	-9.55e-04	7.96e-04	-0.02
		-0.02	-3.60e-03	-2.00e-05	0.0	120.0	-2.72	0.03	-3.67e-03	-9.55e-04	-3.60e-03	0.02
247	15	0.02	1.35e-03	5.06e-05	0.0	0.0	-4.01	0.03	-4.87e-03	-5.37e-04	1.35e-03	-0.02
		-0.02	-4.49e-03	-1.43e-05	0.0	120.0	-3.30	0.03	-4.87e-03	-5.37e-04	-4.49e-03	0.02
247	17	0.02	1.17e-03	4.95e-05	0.0	0.0	-4.14	0.03	-4.52e-03	-5.03e-04	1.17e-03	-0.02
		-0.02	-4.26e-03	-1.20e-05	0.0	120.0	-3.43	0.03	-4.52e-03	-5.03e-04	-4.26e-03	0.02
247	18	0.02	9.46e-04	5.61e-05	0.0	0.0	-3.72	0.03	-4.01e-03	-7.74e-04	9.46e-04	-0.02
		-0.02	-3.87e-03	-1.68e-05	0.0	120.0	-3.00	0.03	-4.01e-03	-7.74e-04	-3.87e-03	0.02
247	19	0.14	0.15	4.06e-04	0.0	0.0	13.42	-0.12	0.08	-5.87e-03	2.69e-03	0.14
		0.13	2.69e-03	-2.15e-04	0.0	120.0	14.13	-0.12	0.08	-5.87e-03	0.15	0.13
247	20	0.25	0.09	6.84e-04	0.0	0.0	33.93	-0.13	-0.02	-0.01	8.79e-03	0.25
		0.09	8.79e-03	-5.63e-04	0.0	120.0	34.64	-0.13	-0.02	-0.01	0.09	0.09
247	21	-0.05	-6.90e-03	-5.72e-04	0.0	0.0	-41.36	0.20	0.01	0.01	-6.90e-03	-0.29
		-0.29	-0.10	5.30e-04	0.0	120.0	-40.65	0.20	0.01	0.01	-0.10	-0.05
247	22	-0.09	-7.96e-04	-2.94e-04	0.0	0.0	-20.85	0.18	-0.09	4.32e-03	-7.96e-04	-0.18
		-0.18	-0.15	1.81e-04	0.0	120.0	-20.14	0.18	-0.09	4.32e-03	-0.15	-0.09
247	40	0.23	8.43e-03	6.74e-04	0.0	0.0	39.26	-0.04	-0.16	-0.02	8.43e-03	0.23
		-0.02	-0.06	-7.19e-04	0.0	120.0	39.97	-0.04	-0.16	-0.02	-0.06	-0.02
247	41	0.06	0.06	-5.61e-04	0.0	0.0	-46.69	0.10	0.15	0.02	-6.54e-03	-0.27
		-0.27	-6.54e-03	6.85e-04	0.0	120.0	-45.98	0.10	0.15	0.02	0.06	0.06
247	51	0.10	0.11	3.17e-04	0.0	0.0	9.16	-0.08	0.06	-4.67e-03	2.62e-03	0.09
		0.09	2.62e-03	-1.66e-04	0.0	120.0	9.87	-0.08	0.06	-4.67e-03	0.11	0.10
247	52	0.18	0.07	5.26e-04	0.0	0.0	24.69	-0.09	-0.02	-0.01	7.65e-03	0.18
		0.07	7.65e-03	-4.29e-04	0.0	120.0	25.40	-0.09	-0.02	-0.01	0.07	0.07
247	53	-0.03	-5.75e-03	-4.14e-04	0.0	0.0	-32.12	0.15	9.16e-03	9.51e-03	-5.75e-03	-0.22
		-0.22	-0.07	3.96e-04	0.0	120.0	-31.41	0.15	9.16e-03	9.51e-03	-0.07	-0.03
247	54	-0.06	-7.29e-04	-2.05e-04	0.0	0.0	-16.59	0.15	-0.07	3.12e-03	-7.29e-04	-0.14
		-0.14	-0.11	1.32e-04	0.0	120.0	-15.88	0.15	-0.07	3.12e-03	-0.11	-0.06
247	72	0.16	7.54e-03	5.20e-04	0.0	0.0	28.78	-0.02	-0.12	-0.01	7.54e-03	0.16
		-0.01	-0.05	-5.48e-04	0.0	120.0	29.49	-0.02	-0.12	-0.01	-0.05	-0.01
247	73	0.05	0.04	-4.08e-04	0.0	0.0	-36.21	0.08	0.12	0.01	-5.64e-03	-0.21
		-0.21	-5.64e-03	5.14e-04	0.0	120.0	-35.50	0.08	0.12	0.01	0.04	0.05
247	83	0.09	0.09	2.87e-04	0.0	0.0	7.71	-0.07	0.05	-4.23e-03	2.48e-03	0.08
		0.08	2.48e-03	-1.49e-04	0.0	120.0	8.42	-0.07	0.05	-4.23e-03	0.09	0.09
247	84	0.16	0.06	4.73e-04	0.0	0.0	21.50	-0.08	-0.02	-9.92e-03	6.99e-03	0.16
		0.06	6.99e-03	-3.83e-04	0.0	120.0	22.21	-0.08	-0.02	-9.92e-03	0.06	0.06
247	85	-0.03	-5.10e-03	-3.61e-04	0.0	0.0	-28.93	0.14	7.94e-03	8.37e-03	-5.10e-03	-0.20
		-0.20	-0.06	3.49e-04	0.0	120.0	-28.22	0.14	7.94e-03	8.37e-03	-0.06	-0.03
247	86	-0.05	-5.90e-04	-1.75e-04	0.0	0.0	-15.14	0.13	-0.06	2.68e-03	-5.90e-04	-0.12
		-0.12	-0.10	1.15e-04	0.0	120.0	-14.42	0.13	-0.06	2.68e-03	-0.10	-0.05
247	104	0.14	6.90e-03	4.68e-04	0.0	0.0	25.14	-0.01	-0.11	-0.01	6.90e-03	0.14
		-7.10e-03	-0.04	-4.89e-04	0.0	120.0	25.86	-0.01	-0.11	-0.01	-0.04	-7.10e-03
247	105	0.04	0.04	-3.56e-04	0.0	0.0	-32.58	0.08	0.10	0.01	-5.01e-03	-0.18
		-0.18	-5.01e-03	4.55e-04	0.0	120.0	-31.86	0.08	0.10	0.01	0.04	0.04
247	115	0.17	0.18	4.76e-04	0.0	0.0	16.92	-0.15	0.10	-6.89e-03	3.08e-03	0.17
		0.15	3.08e-03	-2.55e-04	0.0	120.0	17.63	-0.15	0.10	-6.89e-03	0.18	0.15
247	116	0.30	0.11	8.11e-04	0.0	0.0	41.70	-0.16	-0.02	-0.02	0.01	0.30
		0.10	0.01	-6.76e-04	0.0	120.0	42.42	-0.16	-0.02	-0.02	0.11	0.10
247	117	-0.07	-8.54e-03	-6.99e-04	0.0	0.0	-49.14	0.23	0.01	0.02	-8.54e-03	-0.34
		-0.34	-0.12	6.42e-04	0.0	120.0	-48.42	0.23	0.01	0.02	-0.12	-0.07
247	118	-0.11	-1.19e-03	-3.64e-04	0.0	0.0	-24.35	0.22	-0.11	5.34e-03	-1.19e-03	-0.21
		-0.21	-0.18	2.21e-04	0.0	120.0	-23.64	0.22	-0.11	5.34e-03	-0.18	-0.11
247	136	0.28	9.94e-03	8.01e-04	0.0	0.0	48.21	-0.05	-0.19	-0.02	9.94e-03	0.28
		-0.03	-0.08	-8.64e-04	0.0	120.0	48.92	-0.05	-0.19	-0.02	-0.08	-0.03
247	137	0.07	0.07	-6.89e-04	0.0	0.0	-55.64	0.11	0.19	0.02	-8.05e-03	-0.32
		-0.32	-8.05e-03	8.30e-04	0.0	120.0	-54.93	0.11	0.19	0.02	0.07	0.07
248	1	0.04	-8.97e-03	5.26e-05	0.0	0.0	-9.23	0.06	-1.19e-03	-1.28e-03	-8.97e-03	-0.04
		-0.04	-0.01	-2.07e-05	0.0	120.0	-8.30	0.06	-1.19e-03	-1.28e-03	-0.01	0.04
248	2	0.05	-6.89e-03	7.70e-05	0.0	0.0	-4.31	0.05	9.03e-03	-2.90e-03	-0.02	-0.01
		-0.01	-0.02	-3.86e-05	0.0	120.0	-3.38	0.05	9.03e-03	-2.90e-03	-6.89e-03	0.05
248	4	0.03	-9.60e-03	5.72e-05	0.0	0.0	-1.48	0.03	6.10e-03	-2.75e-03	-0.02	-4.86e-03
		-4.86e-03	-0.02	-3.61e-05	0.0	120.0	-0.76	0.03	6.10e-03	-2.75e-03	-9.60e-03	0.03
248	6	0.04	-9.28e-03	7.19e-05	0.0	0.0	-4.81	0.05	7.37e-03	-2.87e-03	-0.02	-0.02
		-0.02	-0.02	-3.88e-05	0.0	120.0	-3.88	0.05	7.37e-03	-2.87e-03	-9.28e-03	0.04
248	9	0.03	-6.53e-03	3.64e-05	0.0	0.0	-7.09	0.05	-2.73e-03	-9.07e-04	-6.53e-03	-0.03
		-0.03	-9.81e-03	-1.53e-05	0.0	120.0	-6.38	0.05	-2.73e-03	-9.07e-04	-9.81e-03	0.03
248	10	0.03	-7.47e-03	5.27e-05	0.0	0.0	-3.81	0.04	4.08e-03	-1.99e-03	-0.01	-0.01
		-0.01	-0.01	-2.72e-05	0.0	120.0	-3.10	0.04	4.08e-03	-1.99e-03	-7.47e-03	0.03
248	12	0.03	-9.07e-03	4.93e-05	0.0	0.0	-4.14	0.04	2.97e-03	-1.97e-03	-0.01	-0.02
		-0.02	-0.01	-2.73e-05	0.0	120.0	-3.43	0.04	2.97e-03	-1.97e-03	-9.07e-03	0.03
248	13	0.03	-3.50e-03	3.42e-05	0.0	0.0	-8.07	0.05	-4.14e-03	-4.54e-04	-3.50e-03	-0.03

		-0.03	-8.47e-03	-9.72e-06	0.0	120.0	-7.35	0.05	-4.14e-03	-4.54e-04	-8.47e-03	0.03
248	14	0.03	-6.42e-03	4.24e-05	0.0	0.0	-6.43	0.04	-7.39e-04	-9.94e-04	-6.42e-03	-0.02
		-0.02	-7.30e-03	-1.57e-05	0.0	120.0	-5.71	0.04	-7.39e-04	-9.94e-04	-7.30e-03	0.03
248	15	0.03	-4.51e-03	3.50e-05	0.0	0.0	-7.74	0.05	-3.67e-03	-6.05e-04	-4.51e-03	-0.03
		-0.03	-8.92e-03	-1.16e-05	0.0	120.0	-7.03	0.05	-3.67e-03	-6.05e-04	-8.92e-03	0.03
248	17	0.03	-3.50e-03	3.42e-05	0.0	0.0	-8.07	0.05	-4.14e-03	-4.54e-04	-3.50e-03	-0.03
		-0.03	-8.47e-03	-9.72e-06	0.0	120.0	-7.35	0.05	-4.14e-03	-4.54e-04	-8.47e-03	0.03
248	18	0.03	-5.25e-03	3.91e-05	0.0	0.0	-7.08	0.05	-2.10e-03	-7.78e-04	-5.25e-03	-0.03
		-0.03	-7.77e-03	-1.33e-05	0.0	120.0	-6.37	0.05	-2.10e-03	-7.78e-04	-7.77e-03	0.03
248	28	0.42	0.19	5.40e-04	0.0	0.0	90.78	-0.14	0.28	-0.04	-0.17	0.42
		0.19	-0.17	-4.69e-04	0.0	120.0	91.49	-0.14	0.28	-0.04	0.19	0.19
248	29	-0.13	0.16	-4.62e-04	0.0	0.0	-104.95	0.24	-0.28	0.04	0.16	-0.47
		-0.47	-0.21	4.43e-04	0.0	120.0	-104.24	0.24	-0.28	0.04	-0.21	-0.13
248	40	0.24	-0.15	5.05e-04	0.0	0.0	100.05	-0.25	0.18	-0.05	-0.40	0.24
		-0.04	-0.40	-5.70e-04	0.0	120.0	100.76	-0.25	0.18	-0.05	-0.15	-0.04
248	41	0.10	0.39	-4.27e-04	0.0	0.0	-114.22	0.34	-0.19	0.05	0.39	-0.29
		-0.29	0.13	5.44e-04	0.0	120.0	-113.50	0.34	-0.19	0.05	0.13	0.10
248	60	0.31	0.14	4.15e-04	0.0	0.0	66.87	-0.10	0.21	-0.03	-0.13	0.31
		0.15	-0.13	-3.58e-04	0.0	120.0	67.58	-0.10	0.21	-0.03	0.14	0.15
248	61	-0.09	0.12	-3.37e-04	0.0	0.0	-81.04	0.19	-0.21	0.03	0.12	-0.36
		-0.36	-0.16	3.32e-04	0.0	120.0	-80.33	0.19	-0.21	0.03	-0.16	-0.09
248	72	0.18	-0.11	3.89e-04	0.0	0.0	74.02	-0.18	0.14	-0.04	-0.30	0.18
		-0.02	-0.30	-4.35e-04	0.0	120.0	74.73	-0.18	0.14	-0.04	-0.11	-0.02
248	73	0.08	0.29	-3.11e-04	0.0	0.0	-88.19	0.27	-0.14	0.04	0.29	-0.23
		-0.23	0.09	4.08e-04	0.0	120.0	-87.48	0.27	-0.14	0.04	0.09	0.08
248	92	0.27	0.13	3.73e-04	0.0	0.0	58.58	-0.08	0.19	-0.03	-0.12	0.27
		0.13	-0.12	-3.20e-04	0.0	120.0	59.30	-0.08	0.19	-0.03	0.13	0.13
248	93	-0.08	0.11	-2.95e-04	0.0	0.0	-72.75	0.17	-0.19	0.03	0.11	-0.33
		-0.33	-0.14	2.93e-04	0.0	120.0	-72.04	0.17	-0.19	0.03	-0.14	-0.08
248	104	0.15	-0.10	3.50e-04	0.0	0.0	64.96	-0.15	0.12	-0.03	-0.27	0.15
		-0.01	-0.27	-3.87e-04	0.0	120.0	65.67	-0.15	0.12	-0.03	-0.10	-0.01
248	105	0.07	0.26	-2.72e-04	0.0	0.0	-79.13	0.24	-0.13	0.03	0.26	-0.21
		-0.21	0.08	3.61e-04	0.0	120.0	-78.41	0.24	-0.13	0.03	0.08	0.07
248	124	0.51	0.23	6.42e-04	0.0	0.0	111.10	-0.18	0.34	-0.05	-0.21	0.51
		0.22	-0.21	-5.62e-04	0.0	120.0	111.81	-0.18	0.34	-0.05	0.23	0.22
248	125	-0.16	0.20	-5.64e-04	0.0	0.0	-125.27	0.28	-0.34	0.05	0.20	-0.57
		-0.57	-0.25	5.36e-04	0.0	120.0	-124.55	0.28	-0.34	0.05	-0.25	-0.16
248	136	0.29	-0.17	6.01e-04	0.0	0.0	122.34	-0.31	0.22	-0.06	-0.48	0.29
		-0.05	-0.48	-6.85e-04	0.0	120.0	123.05	-0.31	0.22	-0.06	-0.17	-0.05
248	137	0.11	0.47	-5.23e-04	0.0	0.0	-136.51	0.40	-0.22	0.06	0.47	-0.35
		-0.35	0.16	6.58e-04	0.0	120.0	-135.79	0.40	-0.22	0.06	0.16	0.11
249	1	0.07	0.04	0.0	0.0	0.0	-0.72	0.16	0.09	0.0	-0.03	-0.05
		-0.05	-0.03	0.0	0.0	80.0	-0.10	0.16	0.09	0.0	0.04	0.07
249	4	6.31e-03	0.06	0.0	0.0	0.0	-0.31	0.01	0.13	0.0	-0.04	-4.73e-03
		-4.73e-03	-0.04	0.0	0.0	80.0	0.16	0.01	0.13	0.0	0.06	6.31e-03
249	6	0.04	0.07	0.0	0.0	0.0	-0.54	0.10	0.16	0.0	-0.06	-0.03
		-0.03	-0.06	0.0	0.0	80.0	0.08	0.10	0.16	0.0	0.07	0.04
249	9	0.05	0.03	0.0	0.0	0.0	-0.55	0.11	0.06	0.0	-0.02	-0.04
		-0.04	-0.02	0.0	0.0	80.0	-0.08	0.11	0.06	0.0	0.03	0.05
249	10	0.03	0.05	0.0	0.0	0.0	-0.42	0.06	0.10	0.0	-0.03	-0.02
		-0.02	-0.03	0.0	0.0	80.0	0.06	0.06	0.10	0.0	0.05	0.03
249	12	0.03	0.05	0.0	0.0	0.0	-0.43	0.07	0.11	0.0	-0.04	-0.02
		-0.02	-0.04	0.0	0.0	80.0	0.05	0.07	0.11	0.0	0.05	0.03
249	13	0.05	0.02	0.0	0.0	0.0	-0.60	0.11	0.03	0.0	-0.01	-0.04
		-0.04	-0.01	0.0	0.0	80.0	-0.12	0.11	0.03	0.0	0.02	0.05
249	14	0.04	0.02	0.0	0.0	0.0	-0.53	0.09	0.05	0.0	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	80.0	-0.06	0.09	0.05	0.0	0.02	0.04
249	16	0.04	0.02	0.0	0.0	0.0	-0.54	0.10	0.05	0.0	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	80.0	-0.07	0.10	0.05	0.0	0.02	0.04
249	17	0.05	0.02	0.0	0.0	0.0	-0.60	0.11	0.03	0.0	-0.01	-0.04
		-0.04	-0.01	0.0	0.0	80.0	-0.12	0.11	0.03	0.0	0.02	0.05
249	18	0.04	0.02	0.0	0.0	0.0	-0.56	0.10	0.04	0.0	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	80.0	-0.08	0.10	0.04	0.0	0.02	0.04
249	28	0.71	0.44	1.67e-05	0.0	0.0	3.90	-2.07	0.96	0.0	-0.33	0.71
		-0.95	-0.33	-1.68e-05	0.0	80.0	4.38	-2.07	0.96	0.0	0.44	-0.95
249	29	1.03	0.30	-1.76e-05	0.0	0.0	-5.02	2.26	-0.87	0.0	0.30	-0.78
		-0.78	-0.40	1.70e-05	0.0	80.0	-4.55	2.26	-0.87	0.0	-0.40	1.03
249	40	0.36	1.08	1.71e-05	0.0	0.0	4.49	-1.05	2.37	0.0	-0.81	0.36
		-0.48	-0.81	-2.06e-05	0.0	80.0	4.96	-1.05	2.37	0.0	1.08	-0.48
249	41	0.57	0.78	-1.81e-05	0.0	0.0	-5.61	1.25	-2.28	0.0	0.78	-0.43
		-0.43	-1.04	2.08e-05	0.0	80.0	-5.13	1.25	-2.28	0.0	-1.04	0.57
249	60	0.53	0.34	1.25e-05	0.0	0.0	2.83	-1.54	0.75	0.0	-0.26	0.53
		-0.70	-0.26	-1.28e-05	0.0	80.0	3.31	-1.54	0.75	0.0	0.34	-0.70
249	61	0.79	0.23	-1.35e-05	0.0	0.0	-3.95	1.73	-0.66	0.0	0.23	-0.59
		-0.59	-0.30	1.29e-05	0.0	80.0	-3.48	1.73	-0.66	0.0	-0.30	0.79

249	72	0.27	0.82	1.29e-05	0.0	0.0	3.27	-0.79	1.80	0.0	-0.62	0.27
		-0.36	-0.62	-1.56e-05	0.0	80.0	3.74	-0.79	1.80	0.0	0.82	-0.36
249	73	0.45	0.59	-1.38e-05	0.0	0.0	-4.39	0.98	-1.71	0.0	0.59	-0.34
		-0.34	-0.78	1.58e-05	0.0	80.0	-3.91	0.98	-1.71	0.0	-0.78	0.45
249	92	0.46	0.31	1.11e-05	0.0	0.0	2.45	-1.36	0.67	0.0	-0.23	0.46
		-0.62	-0.23	-1.13e-05	0.0	80.0	2.93	-1.36	0.67	0.0	0.31	-0.62
249	93	0.71	0.20	-1.20e-05	0.0	0.0	-3.57	1.55	-0.58	0.0	0.20	-0.53
		-0.53	-0.27	1.15e-05	0.0	80.0	-3.10	1.55	-0.58	0.0	-0.27	0.71
249	104	0.24	0.73	1.14e-05	0.0	0.0	2.84	-0.69	1.60	0.0	-0.55	0.24
		-0.31	-0.55	-1.38e-05	0.0	80.0	3.32	-0.69	1.60	0.0	0.73	-0.31
249	105	0.40	0.52	-1.23e-05	0.0	0.0	-3.96	0.88	-1.52	0.0	0.52	-0.30
		-0.30	-0.69	1.40e-05	0.0	80.0	-3.49	0.88	-1.52	0.0	-0.69	0.40
249	124	0.86	0.53	2.02e-05	0.0	0.0	4.83	-2.51	1.15	0.0	-0.40	0.86
		-1.15	-0.40	-2.03e-05	0.0	80.0	5.30	-2.51	1.15	0.0	0.53	-1.15
249	125	1.23	0.37	-2.11e-05	0.0	0.0	-5.95	2.70	-1.07	0.0	0.37	-0.93
		-0.93	-0.49	2.05e-05	0.0	80.0	-5.47	2.70	-1.07	0.0	-0.49	1.23
249	136	0.44	1.30	2.07e-05	0.0	0.0	5.53	-1.29	2.85	0.0	-0.98	0.44
		-0.59	-0.98	-2.49e-05	0.0	80.0	6.01	-1.29	2.85	0.0	1.30	-0.59
249	137	0.68	0.95	-2.17e-05	0.0	0.0	-6.65	1.49	-2.76	0.0	0.95	-0.51
		-0.51	-1.26	2.50e-05	0.0	80.0	-6.18	1.49	-2.76	0.0	-1.26	0.68
254	1	0.08	0.15	2.80e-04	0.0	0.0	-8.48	-0.02	-0.04	0.0	0.15	0.08
		0.0	0.0	3.03e-04	0.0	360.0	-5.63	-0.02	-0.04	0.0	0.0	0.0
254	3	0.06	0.13	2.53e-04	0.0	0.0	-4.91	-0.02	-0.03	0.0	0.13	0.06
		0.0	0.0	2.64e-04	0.0	360.0	-2.72	-0.02	-0.03	0.0	0.0	0.0
254	6	0.11	0.25	5.56e-04	0.0	0.0	-7.27	-0.03	-0.07	0.0	0.25	0.11
		0.0	0.0	5.33e-04	0.0	360.0	-4.42	-0.03	-0.07	0.0	0.0	0.0
254	7	0.08	0.17	3.56e-04	0.0	0.0	-4.35	-0.02	-0.05	0.0	0.17	0.08
		0.0	0.0	3.55e-04	0.0	360.0	-2.16	-0.02	-0.05	0.0	0.0	0.0
254	8	0.09	0.23	5.28e-04	0.0	0.0	-3.71	-0.03	-0.06	0.0	0.23	0.09
		0.0	0.0	4.93e-04	0.0	360.0	-1.51	-0.03	-0.06	0.0	0.0	0.0
254	9	0.05	0.11	2.01e-04	0.0	0.0	-5.99	-0.02	-0.03	0.0	0.11	0.05
		0.0	0.0	2.19e-04	0.0	360.0	-3.80	-0.02	-0.03	0.0	0.0	0.0
254	11	0.07	0.13	2.69e-04	0.0	0.0	-5.62	-0.02	-0.04	0.0	0.13	0.07
		0.0	0.0	2.80e-04	0.0	360.0	-3.43	-0.02	-0.04	0.0	0.0	0.0
254	12	0.07	0.17	3.84e-04	0.0	0.0	-5.19	-0.02	-0.05	0.0	0.17	0.07
		0.0	0.0	3.72e-04	0.0	360.0	-3.00	-0.02	-0.05	0.0	0.0	0.0
254	13	0.04	0.06	9.83e-05	0.0	0.0	-6.56	-0.01	-0.02	0.0	0.06	0.04
		0.0	0.0	1.27e-04	0.0	360.0	-4.36	-0.01	-0.02	0.0	0.0	0.0
254	15	0.04	0.08	1.32e-04	0.0	0.0	-6.37	-0.01	-0.02	0.0	0.08	0.04
		0.0	0.0	1.57e-04	0.0	360.0	-4.18	-0.01	-0.02	0.0	0.0	0.0
254	16	0.05	0.10	1.82e-04	0.0	0.0	-6.19	-0.01	-0.03	0.0	0.10	0.05
		0.0	0.0	1.97e-04	0.0	360.0	-3.99	-0.01	-0.03	0.0	0.0	0.0
254	17	0.04	0.06	9.83e-05	0.0	0.0	-6.56	-0.01	-0.02	0.0	0.06	0.04
		0.0	0.0	1.27e-04	0.0	360.0	-4.36	-0.01	-0.02	0.0	0.0	0.0
254	18	0.04	0.08	1.48e-04	0.0	0.0	-6.37	-0.01	-0.02	0.0	0.08	0.04
		0.0	0.0	1.66e-04	0.0	360.0	-4.18	-0.01	-0.02	0.0	0.0	0.0
254	23	0.0	1.66	2.15e-03	0.0	0.0	27.93	0.36	-0.46	0.0	1.66	-1.30
		-1.30	0.0	3.46e-03	0.0	360.0	30.12	0.36	-0.46	0.0	0.0	0.0
254	24	0.0	2.75	5.29e-03	0.0	0.0	16.20	0.71	-0.76	0.0	2.75	-2.54
		-2.54	0.0	6.02e-03	0.0	360.0	18.39	0.71	-0.76	0.0	0.0	0.0
254	25	2.62	0.0	-5.00e-03	0.0	0.0	-28.94	-0.73	0.72	0.0	-2.59	2.62
		0.0	-2.59	-5.69e-03	0.0	360.0	-26.75	-0.73	0.72	0.0	0.0	0.0
254	26	1.38	0.0	-1.86e-03	0.0	0.0	-40.68	-0.38	0.41	0.0	-1.49	1.38
		0.0	-1.49	-3.13e-03	0.0	360.0	-38.48	-0.38	0.41	0.0	0.0	0.0
254	40	0.0	2.26	6.64e-03	0.0	0.0	-18.16	0.93	-0.63	0.0	2.26	-3.36
		-3.36	0.0	5.24e-03	0.0	360.0	-15.96	0.93	-0.63	0.0	0.0	0.0
254	41	3.44	0.0	-6.35e-03	0.0	0.0	5.41	-0.96	0.58	0.0	-2.10	3.44
		0.0	-2.10	-4.90e-03	0.0	360.0	7.60	-0.96	0.58	0.0	0.0	0.0
254	55	0.0	1.24	1.65e-03	0.0	0.0	18.99	0.27	-0.34	0.0	1.24	-0.98
		-0.98	0.0	2.59e-03	0.0	360.0	21.18	0.27	-0.34	0.0	0.0	0.0
254	56	0.0	2.07	4.03e-03	0.0	0.0	10.16	0.54	-0.57	0.0	2.07	-1.93
		-1.93	0.0	4.53e-03	0.0	360.0	12.35	0.54	-0.57	0.0	0.0	0.0
254	57	2.01	0.0	-3.73e-03	0.0	0.0	-22.91	-0.56	0.53	0.0	-1.90	2.01
		0.0	-1.90	-4.19e-03	0.0	360.0	-20.71	-0.56	0.53	0.0	0.0	0.0
254	58	1.06	0.0	-1.36e-03	0.0	0.0	-31.73	-0.29	0.30	0.0	-1.08	1.06
		0.0	-1.08	-2.26e-03	0.0	360.0	-29.54	-0.29	0.30	0.0	0.0	0.0
254	72	0.0	1.72	5.06e-03	0.0	0.0	-15.00	0.71	-0.48	0.0	1.72	-2.56
		-2.56	0.0	3.98e-03	0.0	360.0	-12.81	0.71	-0.48	0.0	0.0	0.0
254	73	2.64	0.0	-4.76e-03	0.0	0.0	2.25	-0.73	0.43	0.0	-1.55	2.64
		0.0	-1.55	-3.65e-03	0.0	360.0	4.45	-0.73	0.43	0.0	0.0	0.0
254	87	0.0	1.11	1.48e-03	0.0	0.0	16.09	0.24	-0.31	0.0	1.11	-0.86
		-0.86	0.0	2.31e-03	0.0	360.0	18.28	0.24	-0.31	0.0	0.0	0.0
254	88	0.0	1.84	3.59e-03	0.0	0.0	8.25	0.47	-0.51	0.0	1.84	-1.71
		-1.71	0.0	4.03e-03	0.0	360.0	10.45	0.47	-0.51	0.0	0.0	0.0
254	89	1.79	0.0	-3.30e-03	0.0	0.0	-21.00	-0.50	0.47	0.0	-1.68	1.79

		0.0	-1.68	-3.70e-03	0.0	360.0	-18.81	-0.50	0.47	0.0	0.0	0.0
254	90	0.95	0.0	-1.19e-03	0.0	0.0	-28.83	-0.26	0.26	0.0	-0.94	0.95
		0.0	-0.94	-1.98e-03	0.0	360.0	-26.64	-0.26	0.26	0.0	0.0	0.0
254	104	0.0	1.53	4.51e-03	0.0	0.0	-14.01	0.63	-0.43	0.0	1.53	-2.27
		-2.27	0.0	3.55e-03	0.0	360.0	-11.81	0.63	-0.43	0.0	0.0	0.0
254	105	2.35	0.0	-4.21e-03	0.0	0.0	1.26	-0.65	0.38	0.0	-1.37	2.35
		0.0	-1.37	-3.22e-03	0.0	360.0	3.45	-0.65	0.38	0.0	0.0	0.0
254	119	0.0	1.98	2.57e-03	0.0	0.0	34.74	0.43	-0.55	0.0	1.98	-1.54
		-1.54	0.0	4.13e-03	0.0	360.0	36.94	0.43	-0.55	0.0	0.0	0.0
254	120	0.0	3.30	6.37e-03	0.0	0.0	20.71	0.84	-0.92	0.0	3.30	-3.02
		-3.02	0.0	7.22e-03	0.0	360.0	22.91	0.84	-0.92	0.0	0.0	0.0
254	121	3.10	0.0	-6.08e-03	0.0	0.0	-33.46	-0.86	0.87	0.0	-3.13	3.10
		0.0	-3.13	-6.89e-03	0.0	360.0	-31.26	-0.86	0.87	0.0	0.0	0.0
254	122	1.62	0.0	-2.28e-03	0.0	0.0	-47.49	-0.45	0.50	0.0	-1.81	1.62
		0.0	-1.81	-3.80e-03	0.0	360.0	-45.30	-0.45	0.50	0.0	0.0	0.0
254	136	0.0	2.70	8.00e-03	0.0	0.0	-20.60	1.11	-0.75	0.0	2.70	-4.00
		-4.00	0.0	6.27e-03	0.0	360.0	-18.41	1.11	-0.75	0.0	0.0	0.0
254	137	4.08	0.0	-7.70e-03	0.0	0.0	7.86	-1.13	0.71	0.0	-2.54	4.08
		0.0	-2.54	-5.94e-03	0.0	360.0	10.05	-1.13	0.71	0.0	0.0	0.0
267	2	2.83	0.11	3.02e-04	0.0	0.0	-47.42	-2.04	-0.02	0.0	0.11	2.83
		-6.16	0.03	1.90e-04	0.0	440.0	-43.94	-2.04	-0.02	0.0	0.03	-6.16
267	3	0.57	0.04	6.67e-05	0.0	0.0	-23.72	-0.39	-4.42e-03	0.0	0.04	0.57
		-1.14	0.02	7.09e-05	0.0	440.0	-21.04	-0.39	-4.42e-03	0.0	0.02	-1.14
267	7	0.62	0.05	8.28e-05	0.0	0.0	-23.68	-0.40	-6.77e-03	0.0	0.05	0.62
		-1.14	0.02	9.86e-05	0.0	440.0	-21.00	-0.40	-6.77e-03	0.0	0.02	-1.14
267	9	0.53	0.03	5.72e-05	0.0	0.0	-25.40	-0.38	-3.50e-03	0.0	0.03	0.53
		-1.14	0.01	5.77e-05	0.0	440.0	-22.72	-0.38	-3.50e-03	0.0	0.01	-1.14
267	10	1.95	0.07	2.09e-04	0.0	0.0	-33.90	-1.41	-0.01	0.0	0.07	1.95
		-4.26	0.02	1.30e-04	0.0	440.0	-31.22	-1.41	-0.01	0.0	0.02	-4.26
267	11	0.57	0.04	6.66e-05	0.0	0.0	-25.37	-0.39	-5.07e-03	0.0	0.04	0.57
		-1.14	0.02	7.61e-05	0.0	440.0	-22.69	-0.39	-5.07e-03	0.0	0.02	-1.14
267	13	0.47	0.01	-5.23e-05	0.0	0.0	-25.44	-0.37	-1.16e-03	0.0	0.01	0.47
		-1.14	9.67e-03	3.00e-05	0.0	440.0	-22.76	-0.37	-1.16e-03	0.0	9.67e-03	-1.14
267	14	1.18	0.04	1.19e-04	0.0	0.0	-29.69	-0.88	-4.94e-03	0.0	0.04	1.18
		-2.69	0.01	6.63e-05	0.0	440.0	-27.01	-0.88	-4.94e-03	0.0	0.01	-2.69
267	15	0.49	0.02	4.77e-05	0.0	0.0	-25.43	-0.37	-1.94e-03	0.0	0.02	0.49
		-1.14	0.01	3.93e-05	0.0	440.0	-22.75	-0.37	-1.94e-03	0.0	0.01	-1.14
267	17	0.47	0.01	-5.23e-05	0.0	0.0	-25.44	-0.37	-1.16e-03	0.0	0.01	0.47
		-1.14	9.67e-03	3.00e-05	0.0	440.0	-22.76	-0.37	-1.16e-03	0.0	9.67e-03	-1.14
267	18	0.90	0.03	8.84e-05	0.0	0.0	-27.99	-0.68	-3.43e-03	0.0	0.03	0.90
		-2.07	0.01	5.18e-05	0.0	440.0	-25.31	-0.68	-3.43e-03	0.0	0.01	-2.07
267	28	0.35	1.86	-6.38e-03	0.0	0.0	-36.81	2.66	-0.38	0.0	1.86	-11.75
		-11.75	0.14	3.03e-03	0.0	440.0	-34.13	2.66	-0.38	0.0	0.14	0.35
267	29	13.55	-0.12	6.23e-03	0.0	0.0	-19.17	-4.01	0.37	0.0	-1.81	13.55
		-4.50	-1.81	-2.92e-03	0.0	440.0	-16.49	-4.01	0.37	0.0	-0.12	-4.50
267	40	-0.61	2.25	-4.88e-03	0.0	0.0	-35.55	1.79	-0.45	0.0	2.25	-8.65
		-8.65	-0.20	3.67e-03	0.0	440.0	-32.87	1.79	-0.45	0.0	-0.20	-0.61
267	41	10.45	0.23	4.74e-03	0.0	0.0	-20.43	-3.14	0.45	0.0	-2.20	10.45
		-3.53	-2.20	-3.57e-03	0.0	440.0	-17.75	-3.14	0.45	0.0	0.23	-3.53
267	60	-0.11	1.42	-4.72e-03	0.0	0.0	-34.47	1.81	-0.29	0.0	1.42	-8.46
		-8.46	0.11	2.30e-03	0.0	440.0	-31.79	1.81	-0.29	0.0	0.11	-0.11
267	61	10.25	-0.09	4.58e-03	0.0	0.0	-21.51	-3.16	0.28	0.0	-1.36	10.25
		-4.04	-1.36	-2.20e-03	0.0	440.0	-18.83	-3.16	0.28	0.0	-0.09	-4.04
267	72	-0.94	1.71	-3.62e-03	0.0	0.0	-33.58	1.15	-0.34	0.0	1.71	-6.15
		-6.15	-0.15	2.79e-03	0.0	440.0	-30.90	1.15	-0.34	0.0	-0.15	-0.94
267	73	7.95	0.18	3.47e-03	0.0	0.0	-22.40	-2.50	0.34	0.0	-1.65	7.95
		-3.20	-1.65	-2.68e-03	0.0	440.0	-19.72	-2.50	0.34	0.0	0.18	-3.20
267	92	-0.32	1.26	-4.19e-03	0.0	0.0	-33.72	1.53	-0.25	0.0	1.26	-7.39
		-7.39	0.10	2.05e-03	0.0	440.0	-31.04	1.53	-0.25	0.0	0.10	-0.32
267	93	9.19	-0.07	4.05e-03	0.0	0.0	-22.26	-2.88	0.25	0.0	-1.20	9.19
		-3.83	-1.20	-1.95e-03	0.0	440.0	-19.58	-2.88	0.25	0.0	-0.07	-3.83
267	104	-1.06	1.52	-3.22e-03	0.0	0.0	-32.94	0.94	-0.31	0.0	1.52	-5.35
		-5.35	-0.14	2.48e-03	0.0	440.0	-30.26	0.94	-0.31	0.0	-0.14	-1.06
267	105	7.14	0.16	3.07e-03	0.0	0.0	-23.04	-2.30	0.30	0.0	-1.47	7.14
		-3.08	-1.47	-2.38e-03	0.0	440.0	-20.36	-2.30	0.30	0.0	0.16	-3.08
267	124	0.76	2.23	-7.67e-03	0.0	0.0	-38.67	3.32	-0.45	0.0	2.23	-14.31
		-14.31	0.17	3.62e-03	0.0	440.0	-35.99	3.32	-0.45	0.0	0.17	0.76
267	125	16.11	-0.15	7.52e-03	0.0	0.0	-17.31	-4.67	0.44	0.0	-2.17	16.11
		-4.90	-2.17	-3.52e-03	0.0	440.0	-14.63	-4.67	0.44	0.0	-0.15	-4.90
267	136	-0.34	2.71	-5.87e-03	0.0	0.0	-37.13	2.30	-0.54	0.0	2.71	-10.61
		-10.61	-0.25	4.41e-03	0.0	440.0	-34.45	2.30	-0.54	0.0	-0.25	-0.34
267	137	12.41	0.27	5.73e-03	0.0	0.0	-18.85	-3.65	0.54	0.0	-2.65	12.41
		-3.81	-2.65	-4.31e-03	0.0	440.0	-16.17	-3.65	0.54	0.0	0.27	-3.81
275	2	0.68	0.03	9.72e-05	0.0	0.0	-46.24	-0.42	-7.79e-03	0.0	0.03	0.68
		-0.70	0.0	2.13e-05	0.0	325.5	-43.66	-0.42	-7.79e-03	0.0	0.0	-0.70

275	3	0.13	7.14e-03	2.09e-05	0.0	0.0	-10.65	-0.08	-2.19e-03	0.0	7.14e-03	0.13
		-0.12	0.0	5.99e-06	0.0	325.5	-8.67	-0.08	-2.19e-03	0.0	0.0	-0.12
275	9	0.13	6.37e-03	2.08e-05	0.0	0.0	-10.65	-0.08	-1.96e-03	0.0	6.37e-03	0.13
		-0.12	0.0	5.35e-06	0.0	325.5	-8.66	-0.08	-1.96e-03	0.0	0.0	-0.12
275	10	0.47	0.02	6.76e-05	0.0	0.0	-32.23	-0.29	-5.37e-03	0.0	0.02	0.47
		-0.48	0.0	1.47e-05	0.0	325.5	-30.25	-0.29	-5.37e-03	0.0	0.0	-0.48
275	13	0.13	4.70e-03	2.06e-05	0.0	0.0	-10.62	-0.08	-1.44e-03	0.0	4.70e-03	0.13
		-0.12	0.0	3.95e-06	0.0	325.5	-8.63	-0.08	-1.44e-03	0.0	0.0	-0.12
275	14	0.30	0.01	4.40e-05	0.0	0.0	-21.41	-0.19	-3.15e-03	0.0	0.01	0.30
		-0.30	0.0	8.61e-06	0.0	325.5	-19.43	-0.19	-3.15e-03	0.0	0.0	-0.30
275	17	0.13	4.70e-03	2.06e-05	0.0	0.0	-10.62	-0.08	-1.44e-03	0.0	4.70e-03	0.13
		-0.12	0.0	3.95e-06	0.0	325.5	-8.63	-0.08	-1.44e-03	0.0	0.0	-0.12
275	18	0.23	8.03e-03	3.46e-05	0.0	0.0	-17.09	-0.14	-2.47e-03	0.0	8.03e-03	0.23
		-0.23	0.0	6.74e-06	0.0	325.5	-15.11	-0.14	-2.47e-03	0.0	0.0	-0.23
275	28	0.01	2.21	-2.73e-05	0.0	0.0	-6.16	-0.07	-0.68	0.0	2.21	0.01
		-0.21	0.0	1.86e-03	0.0	325.5	-4.18	-0.07	-0.68	0.0	0.0	-0.21
275	29	0.45	0.0	9.65e-05	0.0	0.0	-28.02	-0.22	0.68	0.0	-2.20	0.45
		-0.26	-2.20	-1.85e-03	0.0	325.5	-26.04	-0.22	0.68	0.0	0.0	-0.26
275	34	0.50	2.00	1.10e-04	0.0	0.0	-24.88	-0.23	-0.61	0.0	2.00	0.50
		-0.26	0.0	1.68e-03	0.0	325.5	-22.89	-0.23	-0.61	0.0	0.0	-0.26
275	35	0.11	0.0	7.06e-06	0.0	0.0	-20.50	-0.10	2.83	0.0	-9.23	0.11
		-0.24	-9.23	-7.75e-03	0.0	325.5	-18.52	-0.10	2.83	0.0	0.0	-0.24
275	38	0.36	9.24	7.10e-05	0.0	0.0	-13.69	-0.18	-2.84	0.0	9.24	0.36
		-0.23	0.0	7.76e-03	0.0	325.5	-11.70	-0.18	-2.84	0.0	0.0	-0.23
275	60	0.06	1.83	-1.34e-05	0.0	0.0	-8.97	-0.09	-0.56	0.0	1.83	0.06
		-0.21	0.0	1.54e-03	0.0	325.5	-6.98	-0.09	-0.56	0.0	0.0	-0.21
275	61	0.40	0.0	8.26e-05	0.0	0.0	-25.22	-0.20	0.56	0.0	-1.82	0.40
		-0.25	-1.82	-1.53e-03	0.0	325.5	-23.23	-0.20	0.56	0.0	0.0	-0.25
275	66	0.44	1.62	9.31e-05	0.0	0.0	-22.91	-0.21	-0.50	0.0	1.62	0.44
		-0.25	0.0	1.36e-03	0.0	325.5	-20.92	-0.21	-0.50	0.0	0.0	-0.25
275	67	0.14	0.0	1.17e-05	0.0	0.0	-19.59	-0.11	2.30	0.0	-7.48	0.14
		-0.23	-7.48	-6.28e-03	0.0	325.5	-17.60	-0.11	2.30	0.0	0.0	-0.23
275	70	0.33	7.50	6.25e-05	0.0	0.0	-14.60	-0.17	-2.30	0.0	7.50	0.33
		-0.23	0.0	6.30e-03	0.0	325.5	-12.61	-0.17	-2.30	0.0	0.0	-0.23
275	92	0.08	1.63	-8.19e-06	0.0	0.0	-9.89	-0.09	-0.50	0.0	1.63	0.08
		-0.22	0.0	1.37e-03	0.0	325.5	-7.90	-0.09	-0.50	0.0	0.0	-0.22
275	93	0.38	0.0	7.75e-05	0.0	0.0	-24.30	-0.19	0.50	0.0	-1.62	0.38
		-0.25	-1.62	-1.36e-03	0.0	325.5	-22.31	-0.19	0.50	0.0	0.0	-0.25
275	98	0.42	1.46	8.67e-05	0.0	0.0	-22.25	-0.20	-0.45	0.0	1.46	0.42
		-0.25	0.0	1.22e-03	0.0	325.5	-20.27	-0.20	-0.45	0.0	0.0	-0.25
275	99	0.15	0.0	1.36e-05	0.0	0.0	-19.30	-0.12	2.05	0.0	-6.66	0.15
		-0.23	-6.66	-5.59e-03	0.0	325.5	-17.32	-0.12	2.05	0.0	0.0	-0.23
275	102	0.32	6.67	5.93e-05	0.0	0.0	-14.88	-0.17	-2.05	0.0	6.67	0.32
		-0.23	0.0	5.60e-03	0.0	325.5	-12.90	-0.17	-2.05	0.0	0.0	-0.23
275	124	-0.02	2.47	-3.77e-05	0.0	0.0	-3.97	-0.06	-0.76	0.0	2.47	-0.02
		-0.20	0.0	2.07e-03	0.0	325.5	-1.99	-0.06	-0.76	0.0	0.0	-0.20
275	125	0.49	0.0	1.07e-04	0.0	0.0	-30.21	-0.23	0.75	0.0	-2.45	0.49
		-0.26	-2.45	-2.06e-03	0.0	325.5	-28.23	-0.23	0.75	0.0	0.0	-0.26
275	130	0.55	2.31	1.23e-04	0.0	0.0	-26.41	-0.25	-0.71	0.0	2.31	0.55
		-0.26	0.0	1.94e-03	0.0	325.5	-24.43	-0.25	-0.71	0.0	0.0	-0.26
275	131	0.08	0.0	-8.55e-06	0.0	0.0	-21.23	-0.10	3.20	0.0	-10.41	0.08
		-0.24	-10.41	-8.74e-03	0.0	325.5	-19.25	-0.10	3.20	0.0	0.0	-0.24
275	134	0.38	10.43	7.78e-05	0.0	0.0	-12.95	-0.19	-3.20	0.0	10.43	0.38
		-0.23	0.0	8.76e-03	0.0	325.5	-10.97	-0.19	-3.20	0.0	0.0	-0.23
284	2	2.62	0.13	2.01e-04	0.0	0.0	-75.58	-2.23	-0.01	0.0	0.13	2.62
		-4.63	0.09	1.46e-04	0.0	325.5	-73.01	-2.23	-0.01	0.0	0.09	-4.63
284	3	0.49	0.08	3.87e-05	0.0	0.0	-25.61	-0.41	-8.31e-03	0.0	0.08	0.49
		-0.84	0.05	8.99e-05	0.0	325.5	-23.63	-0.41	-8.31e-03	0.0	0.05	-0.84
284	6	2.01	0.16	1.55e-04	0.0	0.0	-62.92	-1.71	-0.02	0.0	0.16	2.01
		-3.55	0.11	1.80e-04	0.0	325.5	-60.35	-1.71	-0.02	0.0	0.11	-3.55
284	9	0.51	0.06	3.97e-05	0.0	0.0	-25.62	-0.43	-6.50e-03	0.0	0.06	0.51
		-0.88	0.04	6.73e-05	0.0	325.5	-23.63	-0.43	-6.50e-03	0.0	0.04	-0.88
284	10	1.81	0.09	1.39e-04	0.0	0.0	-53.79	-1.54	-9.47e-03	0.0	0.09	1.81
		-3.20	0.06	9.92e-05	0.0	325.5	-51.81	-1.54	-9.47e-03	0.0	0.06	-3.20
284	12	1.41	0.11	1.08e-04	0.0	0.0	-45.35	-1.19	-0.01	0.0	0.11	1.41
		-2.48	0.07	1.22e-04	0.0	325.5	-43.37	-1.19	-0.01	0.0	0.07	-2.48
284	13	0.53	0.02	4.08e-05	0.0	0.0	-25.60	-0.44	-2.45e-03	0.0	0.02	0.53
		-0.92	0.01	1.93e-05	0.0	325.5	-23.62	-0.44	-2.45e-03	0.0	0.01	-0.92
284	14	1.18	0.03	9.04e-05	0.0	0.0	-39.69	-1.00	-3.93e-03	0.0	0.03	1.18
		-2.08	0.02	3.53e-05	0.0	325.5	-37.70	-1.00	-3.93e-03	0.0	0.02	-2.08
284	16	0.91	0.04	7.02e-05	0.0	0.0	-34.06	-0.77	-4.69e-03	0.0	0.04	0.91
		-1.60	0.03	4.49e-05	0.0	325.5	-32.07	-0.77	-4.69e-03	0.0	0.03	-1.60
284	17	0.53	0.02	4.08e-05	0.0	0.0	-25.60	-0.44	-2.45e-03	0.0	0.02	0.53
		-0.92	0.01	1.93e-05	0.0	325.5	-23.62	-0.44	-2.45e-03	0.0	0.01	-0.92
284	18	0.92	0.03	7.06e-05	0.0	0.0	-34.05	-0.78	-3.34e-03	0.0	0.03	0.92

		-1.62	0.02	2.89e-05	0.0	325.5	-32.07	-0.78	-3.34e-03	0.0	0.02	-1.62
284	28	6.01	1.10	3.69e-04	0.0	0.0	-30.19	-5.59	1.33	0.0	-4.52	6.01
		-12.20	-4.52	-3.89e-03	0.0	325.5	-28.20	-5.59	1.33	0.0	1.10	-12.20
284	29	8.97	4.57	-2.35e-04	0.0	0.0	-37.92	4.04	-1.33	0.0	4.57	-4.18
		-4.18	-1.07	3.95e-03	0.0	325.5	-35.93	4.04	-1.33	0.0	-1.07	8.97
284	32	6.02	1.09	3.71e-04	0.0	0.0	-30.23	-5.60	1.57	0.0	-5.27	6.02
		-12.21	-5.27	-4.51e-03	0.0	325.5	-28.25	-5.60	1.57	0.0	1.09	-12.21
284	33	8.98	5.33	-2.36e-04	0.0	0.0	-37.87	4.04	-1.57	0.0	5.33	-4.18
		-4.18	-1.06	4.57e-03	0.0	325.5	-35.89	4.04	-1.57	0.0	-1.06	8.98
284	35	1.54	-0.86	-6.11e-05	0.0	0.0	-35.60	0.69	3.12	0.0	-10.95	-0.69
		-0.69	-10.95	-9.57e-03	0.0	325.5	-33.62	0.69	3.12	0.0	-0.86	1.54
284	38	2.53	11.01	2.01e-04	0.0	0.0	-32.50	-2.24	-3.12	0.0	11.01	2.53
		-4.77	0.89	9.62e-03	0.0	325.5	-30.52	-2.24	-3.12	0.0	0.89	-4.77
284	60	4.69	0.83	2.90e-04	0.0	0.0	-31.12	-4.34	0.97	0.0	-3.31	4.69
		-9.46	-3.31	-2.84e-03	0.0	325.5	-29.13	-4.34	0.97	0.0	0.83	-9.46
284	61	6.23	3.36	-1.55e-04	0.0	0.0	-36.98	2.79	-0.98	0.0	3.36	-2.85
		-2.85	-0.80	2.90e-03	0.0	325.5	-35.00	2.79	-0.98	0.0	-0.80	6.23
284	64	4.68	0.83	2.90e-04	0.0	0.0	-31.15	-4.34	1.15	0.0	-3.85	4.68
		-9.46	-3.85	-3.29e-03	0.0	325.5	-29.17	-4.34	1.15	0.0	0.83	-9.46
284	65	6.23	3.90	-1.56e-04	0.0	0.0	-36.95	2.79	-1.15	0.0	3.90	-2.85
		-2.85	-0.79	3.35e-03	0.0	325.5	-34.96	2.79	-1.15	0.0	-0.79	6.23
284	67	0.69	-0.68	-2.75e-05	0.0	0.0	-35.18	0.29	2.28	0.0	-8.00	-0.27
		-0.27	-8.00	-6.99e-03	0.0	325.5	-33.19	0.29	2.28	0.0	-0.68	0.69
284	70	2.10	8.06	1.67e-04	0.0	0.0	-32.93	-1.85	-2.29	0.0	8.06	2.10
		-3.92	0.71	7.05e-03	0.0	325.5	-30.94	-1.85	-2.29	0.0	0.71	-3.92
284	92	4.26	0.74	2.64e-04	0.0	0.0	-31.45	-3.94	0.86	0.0	-2.92	4.26
		-8.57	-2.92	-2.51e-03	0.0	325.5	-29.46	-3.94	0.86	0.0	0.74	-8.57
284	93	5.33	2.98	-1.30e-04	0.0	0.0	-36.66	2.38	-0.87	0.0	2.98	-2.42
		-2.42	-0.71	2.57e-03	0.0	325.5	-34.67	2.38	-0.87	0.0	-0.71	5.33
284	96	4.25	0.74	2.65e-04	0.0	0.0	-31.48	-3.94	1.01	0.0	-3.40	4.25
		-8.57	-3.40	-2.90e-03	0.0	325.5	-29.50	-3.94	1.01	0.0	0.74	-8.57
284	97	5.34	3.45	-1.30e-04	0.0	0.0	-36.62	2.38	-1.02	0.0	3.45	-2.42
		-2.42	-0.70	2.96e-03	0.0	325.5	-34.64	2.38	-1.02	0.0	-0.70	5.34
284	99	0.43	-0.61	-1.66e-05	0.0	0.0	-35.05	0.17	2.02	0.0	-7.07	-0.13
		-0.13	-7.07	-6.18e-03	0.0	325.5	-33.06	0.17	2.02	0.0	-0.61	0.43
284	102	1.96	7.13	1.56e-04	0.0	0.0	-33.06	-1.73	-2.02	0.0	7.13	1.96
		-3.66	0.64	6.24e-03	0.0	325.5	-31.07	-1.73	-2.02	0.0	0.64	-3.66
284	124	7.04	1.32	4.31e-04	0.0	0.0	-29.42	-6.56	1.58	0.0	-5.41	7.04
		-14.31	-5.41	-4.67e-03	0.0	325.5	-27.43	-6.56	1.58	0.0	1.32	-14.31
284	125	11.08	5.47	-2.97e-04	0.0	0.0	-38.69	5.00	-1.59	0.0	5.47	-5.21
		-5.21	-1.28	4.72e-03	0.0	325.5	-36.70	5.00	-1.59	0.0	-1.28	11.08
284	128	7.05	1.31	4.33e-04	0.0	0.0	-29.47	-6.57	1.87	0.0	-6.32	7.05
		-14.33	-6.32	-5.41e-03	0.0	325.5	-27.48	-6.57	1.87	0.0	1.31	-14.33
284	129	11.10	6.37	-2.98e-04	0.0	0.0	-38.64	5.01	-1.88	0.0	6.37	-5.21
		-5.21	-1.28	5.47e-03	0.0	325.5	-36.65	5.01	-1.88	0.0	-1.28	11.10
284	131	2.22	-1.03	-8.81e-05	0.0	0.0	-35.94	1.00	3.75	0.0	-13.20	-1.04
		-1.04	-13.20	-0.01	0.0	325.5	-33.96	1.00	3.75	0.0	-1.03	2.22
284	134	2.87	13.25	2.28e-04	0.0	0.0	-32.16	-2.56	-3.76	0.0	13.25	2.87
		-5.45	1.06	0.01	0.0	325.5	-30.18	-2.56	-3.76	0.0	1.06	-5.45
296	1	0.51	0.58	1.08e-05	0.0	0.0	-76.22	-0.62	-0.64	0.03	0.58	0.51
		0.02	0.06	1.27e-05	0.0	80.0	-75.51	-0.62	-0.64	0.03	0.06	0.02
296	2	0.74	0.78	1.66e-05	0.0	0.0	-94.24	-0.77	-0.78	0.08	0.78	0.74
		0.12	0.15	1.78e-05	0.0	80.0	-93.53	-0.77	-0.78	0.08	0.15	0.12
296	3	0.37	0.43	7.94e-06	0.0	0.0	-54.74	-0.44	-0.46	0.04	0.43	0.37
		0.02	0.06	9.62e-06	0.0	80.0	-54.20	-0.44	-0.46	0.04	0.06	0.02
296	6	0.73	0.81	1.64e-05	0.0	0.0	-95.46	-0.77	-0.80	0.10	0.81	0.73
		0.11	0.17	1.87e-05	0.0	80.0	-94.75	-0.77	-0.80	0.10	0.17	0.11
296	9	0.36	0.41	7.70e-06	0.0	0.0	-54.92	-0.44	-0.46	0.02	0.41	0.36
		9.33e-03	0.04	8.97e-06	0.0	80.0	-54.38	-0.44	-0.46	0.02	0.04	9.33e-03
296	10	0.51	0.54	1.16e-05	0.0	0.0	-66.93	-0.55	-0.55	0.06	0.54	0.51
		0.08	0.10	1.23e-05	0.0	80.0	-66.39	-0.55	-0.55	0.06	0.10	0.08
296	12	0.51	0.56	1.14e-05	0.0	0.0	-67.75	-0.55	-0.57	0.07	0.56	0.51
		0.07	0.11	1.30e-05	0.0	80.0	-67.20	-0.55	-0.57	0.07	0.11	0.07
296	13	0.30	0.31	6.21e-06	0.0	0.0	-48.30	-0.40	-0.40	-7.53e-03	0.31	0.30
		-0.01	-3.59e-03	6.51e-06	0.0	80.0	-47.76	-0.40	-0.40	-7.53e-03	-3.59e-03	-0.01
296	14	0.38	0.38	8.15e-06	0.0	0.0	-54.30	-0.45	-0.44	0.01	0.38	0.38
		0.02	0.02	8.20e-06	0.0	80.0	-53.76	-0.45	-0.44	0.01	0.02	0.02
296	16	0.37	0.38	7.87e-06	0.0	0.0	-54.11	-0.44	-0.45	0.01	0.38	0.37
		0.02	0.03	8.34e-06	0.0	80.0	-53.57	-0.44	-0.45	0.01	0.03	0.02
296	17	0.30	0.31	6.21e-06	0.0	0.0	-48.30	-0.40	-0.40	-7.53e-03	0.31	0.30
		-0.01	-3.59e-03	6.51e-06	0.0	80.0	-47.76	-0.40	-0.40	-7.53e-03	-3.59e-03	-0.01
296	18	0.35	0.35	7.37e-06	0.0	0.0	-51.90	-0.43	-0.42	3.14e-03	0.35	0.35
		8.03e-03	0.01	7.52e-06	0.0	80.0	-51.36	-0.43	-0.42	3.14e-03	0.01	8.03e-03
296	24	5.95	8.28	1.53e-04	0.0	0.0	-490.09	-4.09	-5.32	2.23	8.28	5.95
		2.84	4.07	2.15e-04	0.0	80.0	-489.55	-4.09	-5.32	2.23	4.07	2.84

296	25	-2.82	-4.05	-1.39e-04	0.0	0.0	386.29	3.23	4.47	-2.22	-7.57	-5.25
		-5.25	-7.57	-2.00e-04	0.0	80.0	386.83	3.23	4.47	-2.22	-4.05	-2.82
296	36	7.89	7.24	2.04e-04	0.0	0.0	-554.66	-5.29	-5.00	2.57	7.24	7.89
		3.74	3.32	1.86e-04	0.0	80.0	-554.12	-5.29	-5.00	2.57	3.32	3.74
296	37	-3.73	-3.30	-1.89e-04	0.0	0.0	450.85	4.44	4.15	-2.57	-6.54	-7.19
		-7.19	-6.54	-1.71e-04	0.0	80.0	451.40	4.44	4.15	-2.57	-3.30	-3.73
296	40	8.00	6.78	2.06e-04	0.0	0.0	-548.83	-5.34	-4.77	2.54	6.78	8.00
		3.78	3.05	1.73e-04	0.0	80.0	-548.29	-5.34	-4.77	2.54	3.05	3.78
296	41	-3.76	-3.03	-1.92e-04	0.0	0.0	445.03	4.49	3.92	-2.54	-6.07	-7.30
		-7.30	-6.07	-1.58e-04	0.0	80.0	445.57	4.49	3.92	-2.54	-3.03	-3.76
296	56	4.57	6.25	1.17e-04	0.0	0.0	-382.33	-3.20	-4.08	1.69	6.25	4.57
		2.13	3.02	1.62e-04	0.0	80.0	-381.79	-3.20	-4.08	1.69	3.02	2.13
296	57	-2.12	-3.00	-1.03e-04	0.0	0.0	278.53	2.35	3.23	-1.69	-5.54	-3.88
		-3.88	-5.54	-1.47e-04	0.0	80.0	279.07	2.35	3.23	-1.69	-3.00	-2.12
296	68	6.05	5.51	1.56e-04	0.0	0.0	-432.41	-4.11	-3.87	1.95	5.51	6.05
		2.82	2.48	1.41e-04	0.0	80.0	-431.87	-4.11	-3.87	1.95	2.48	2.82
296	69	-2.81	-2.45	-1.41e-04	0.0	0.0	328.61	3.26	3.02	-1.95	-4.81	-5.36
		-5.36	-4.81	-1.26e-04	0.0	80.0	329.15	3.26	3.02	-1.95	-2.45	-2.81
296	72	6.14	5.18	1.58e-04	0.0	0.0	-428.22	-4.15	-3.70	1.93	5.18	6.14
		2.86	2.29	1.32e-04	0.0	80.0	-427.68	-4.15	-3.70	1.93	2.29	2.86
296	73	-2.84	-2.26	-1.43e-04	0.0	0.0	324.41	3.30	2.85	-1.92	-4.48	-5.44
		-5.44	-4.48	-1.17e-04	0.0	80.0	324.96	3.30	2.85	-1.92	-2.26	-2.84
296	88	4.10	5.57	1.05e-04	0.0	0.0	-345.23	-2.89	-3.66	1.50	5.57	4.10
		1.89	2.68	1.44e-04	0.0	80.0	-344.69	-2.89	-3.66	1.50	2.68	1.89
296	89	-1.88	-2.65	-9.04e-05	0.0	0.0	241.43	2.04	2.81	-1.50	-4.87	-3.40
		-3.40	-4.87	-1.29e-04	0.0	80.0	241.97	2.04	2.81	-1.50	-2.65	-1.88
296	100	5.42	4.93	1.39e-04	0.0	0.0	-389.89	-3.70	-3.48	1.73	4.93	5.42
		2.51	2.20	1.26e-04	0.0	80.0	-389.35	-3.70	-3.48	1.73	2.20	2.51
296	101	-2.49	-2.17	-1.24e-04	0.0	0.0	286.08	2.85	2.63	-1.73	-4.22	-4.72
		-4.72	-4.22	-1.11e-04	0.0	80.0	286.63	2.85	2.63	-1.73	-2.17	-2.49
296	104	5.49	4.64	1.41e-04	0.0	0.0	-386.19	-3.74	-3.33	1.71	4.64	5.49
		2.54	2.03	1.18e-04	0.0	80.0	-385.64	-3.74	-3.33	1.71	2.03	2.54
296	105	-2.52	-2.00	-1.26e-04	0.0	0.0	282.38	2.89	2.48	-1.71	-3.93	-4.79
		-4.79	-3.93	-1.03e-04	0.0	80.0	282.92	2.89	2.48	-1.71	-2.00	-2.52
296	120	7.09	9.89	1.83e-04	0.0	0.0	-581.51	-4.85	-6.32	2.68	9.89	7.09
		3.41	4.89	2.58e-04	0.0	80.0	-580.96	-4.85	-6.32	2.68	4.89	3.41
296	121	-3.40	-4.87	-1.68e-04	0.0	0.0	477.70	3.99	5.47	-2.67	-9.18	-6.40
		-6.40	-9.18	-2.43e-04	0.0	80.0	478.25	3.99	5.47	-2.67	-4.87	-3.40
296	132	9.45	8.66	2.44e-04	0.0	0.0	-659.38	-6.29	-5.95	3.10	8.66	9.45
		4.51	3.99	2.22e-04	0.0	80.0	-658.84	-6.29	-5.95	3.10	3.99	4.51
296	133	-4.49	-3.97	-2.29e-04	0.0	0.0	555.58	5.44	5.10	-3.10	-7.95	-8.75
		-8.75	-7.95	-2.07e-04	0.0	80.0	556.12	5.44	5.10	-3.10	-3.97	-4.49
296	136	9.57	8.08	2.47e-04	0.0	0.0	-652.40	-6.36	-5.66	3.07	8.08	9.57
		4.55	3.66	2.07e-04	0.0	80.0	-651.86	-6.36	-5.66	3.07	3.66	4.55
296	137	-4.53	-3.63	-2.32e-04	0.0	0.0	548.60	5.51	4.81	-3.06	-7.38	-8.87
		-8.87	-7.38	-1.92e-04	0.0	80.0	549.14	5.51	4.81	-3.06	-3.63	-4.53
304	3	0.19	0.20	1.39e-04	0.0	0.0	-29.63	-0.08	-0.08	0.05	0.20	0.19
		-0.10	-0.08	1.82e-04	0.0	360.0	-27.18	-0.08	-0.08	0.05	-0.08	-0.10
304	6	0.38	0.38	3.30e-04	0.0	0.0	-49.35	-0.17	-0.16	0.13	0.38	0.38
		-0.23	-0.19	3.86e-04	0.0	360.0	-46.17	-0.17	-0.16	0.13	-0.19	-0.23
304	9	0.20	0.20	1.14e-04	0.0	0.0	-29.46	-0.08	-0.08	0.03	0.20	0.20
		-0.11	-0.09	1.47e-04	0.0	360.0	-27.02	-0.08	-0.08	0.03	-0.09	-0.11
304	12	0.26	0.26	2.29e-04	0.0	0.0	-35.47	-0.11	-0.11	0.09	0.26	0.26
		-0.15	-0.12	2.67e-04	0.0	360.0	-33.02	-0.11	-0.11	0.09	-0.12	-0.15
304	13	0.17	0.17	6.49e-05	0.0	0.0	-26.31	-0.07	-0.07	-0.01	0.17	0.17
		-0.09	-0.08	7.48e-05	0.0	360.0	-23.87	-0.07	-0.07	-0.01	-0.08	-0.09
304	14	0.20	0.19	1.24e-04	0.0	0.0	-29.10	-0.08	-0.08	0.01	0.19	0.20
		-0.10	-0.09	1.26e-04	0.0	360.0	-26.66	-0.08	-0.08	0.01	-0.09	-0.10
304	16	0.19	0.19	1.17e-04	0.0	0.0	-29.03	-0.08	-0.08	0.02	0.19	0.19
		-0.10	-0.09	1.29e-04	0.0	360.0	-26.59	-0.08	-0.08	0.02	-0.09	-0.10
304	17	0.17	0.17	6.49e-05	0.0	0.0	-26.31	-0.07	-0.07	-0.01	0.17	0.17
		-0.09	-0.08	7.48e-05	0.0	360.0	-23.87	-0.07	-0.07	-0.01	-0.08	-0.09
304	18	0.18	0.18	1.00e-04	0.0	0.0	-27.99	-0.08	-0.07	2.25e-03	0.18	0.18
		-0.10	-0.08	1.05e-04	0.0	360.0	-25.54	-0.08	-0.07	2.25e-03	-0.08	-0.10
304	24	1.98	2.32	4.00e-03	0.0	0.0	-190.82	0.36	-1.01	2.41	2.32	1.98
		0.84	-0.98	5.31e-03	0.0	360.0	-188.37	0.36	-1.01	2.41	-0.98	0.84
304	25	-1.03	0.81	-3.80e-03	0.0	0.0	134.85	-0.52	0.86	-2.40	-1.96	-1.62
		-1.62	-1.96	-5.10e-03	0.0	360.0	137.29	-0.52	0.86	-2.40	0.81	-1.03
304	40	2.48	1.99	5.34e-03	0.0	0.0	-216.65	-1.11	0.27	2.75	1.99	2.48
		-0.98	0.38	4.46e-03	0.0	360.0	-214.21	-1.11	0.27	2.75	0.38	-0.98
304	41	0.78	-0.54	-5.14e-03	0.0	0.0	160.68	0.96	-0.42	-2.74	-1.63	-2.11
		-2.11	-1.63	-4.25e-03	0.0	360.0	163.13	0.96	-0.42	-2.74	-0.54	0.78
304	48	2.30	2.14	4.77e-03	0.0	0.0	-217.85	-1.04	-0.88	2.82	2.14	2.30
		-0.88	0.35	4.71e-03	0.0	360.0	-215.41	-1.04	-0.88	2.82	0.35	-0.88
304	49	0.69	-0.52	-4.57e-03	0.0	0.0	161.88	0.88	0.73	-2.82	-1.77	-1.93

		-1.93	-1.77	-4.50e-03	0.0	360.0	164.32	0.88	0.73	-2.82	-0.52	0.69
304	56	1.54	1.78	3.04e-03	0.0	0.0	-151.05	0.25	-0.77	1.82	1.78	1.54
		0.59	-0.74	3.97e-03	0.0	360.0	-148.60	0.25	-0.77	1.82	-0.74	0.59
304	57	-0.78	0.57	-2.84e-03	0.0	0.0	95.08	-0.40	0.62	-1.82	-1.41	-1.17
		-1.17	-1.41	-3.76e-03	0.0	360.0	97.52	-0.40	0.62	-1.82	0.57	-0.78
304	72	1.92	1.54	4.06e-03	0.0	0.0	-170.89	-0.86	0.18	2.08	1.54	1.92
		-0.76	0.25	3.38e-03	0.0	360.0	-168.44	-0.86	0.18	2.08	0.25	-0.76
304	73	0.56	-0.42	-3.86e-03	0.0	0.0	114.92	0.70	-0.33	-2.08	-1.18	-1.55
		-1.55	-1.18	-3.17e-03	0.0	360.0	117.36	0.70	-0.33	-2.08	-0.42	0.56
304	80	1.79	1.66	3.63e-03	0.0	0.0	-171.70	-0.80	-0.68	2.14	1.66	1.79
		-0.69	0.25	3.58e-03	0.0	360.0	-169.25	-0.80	-0.68	2.14	0.25	-0.69
304	81	0.50	-0.41	-3.43e-03	0.0	0.0	115.73	0.65	0.53	-2.13	-1.29	-1.42
		-1.42	-1.29	-3.37e-03	0.0	360.0	118.17	0.65	0.53	-2.13	-0.41	0.50
304	88	1.39	1.60	2.71e-03	0.0	0.0	-137.26	0.21	-0.69	1.62	1.60	1.39
		0.51	-0.67	3.53e-03	0.0	360.0	-134.82	0.21	-0.69	1.62	-0.67	0.51
304	89	-0.70	0.50	-2.51e-03	0.0	0.0	81.29	-0.36	0.54	-1.62	-1.23	-1.02
		-1.02	-1.23	-3.32e-03	0.0	360.0	83.74	-0.36	0.54	-1.62	0.50	-0.70
304	104	1.72	1.39	3.62e-03	0.0	0.0	-154.93	-0.77	0.15	1.85	1.39	1.72
		-0.68	0.22	3.01e-03	0.0	360.0	-152.49	-0.77	0.15	1.85	0.22	-0.68
304	105	0.49	-0.38	-3.42e-03	0.0	0.0	98.96	0.61	-0.30	-1.85	-1.02	-1.36
		-1.36	-1.02	-2.80e-03	0.0	360.0	101.41	0.61	-0.30	-1.85	-0.38	0.49
304	112	1.61	1.49	3.24e-03	0.0	0.0	-155.62	-0.72	-0.61	1.90	1.49	1.61
		-0.62	0.21	3.19e-03	0.0	360.0	-153.17	-0.72	-0.61	1.90	0.21	-0.62
304	113	0.43	-0.38	-3.04e-03	0.0	0.0	99.65	0.57	0.46	-1.89	-1.13	-1.24
		-1.24	-1.13	-2.98e-03	0.0	360.0	102.09	0.57	0.46	-1.89	-0.38	0.43
304	120	2.35	2.76	4.81e-03	0.0	0.0	-224.82	0.45	-1.20	2.91	2.76	2.35
		1.02	-1.15	6.37e-03	0.0	360.0	-222.37	0.45	-1.20	2.91	-1.15	1.02
304	121	-1.22	0.99	-4.61e-03	0.0	0.0	168.85	-0.61	1.05	-2.90	-2.39	-1.98
		-1.98	-2.39	-6.16e-03	0.0	360.0	171.29	-0.61	1.05	-2.90	0.99	-1.22
304	136	2.95	2.36	6.42e-03	0.0	0.0	-255.99	-1.32	0.34	3.32	2.36	2.95
		-1.16	0.47	5.35e-03	0.0	360.0	-253.55	-1.32	0.34	3.32	0.47	-1.16
304	137	0.97	-0.64	-6.22e-03	0.0	0.0	200.02	1.16	-0.49	-3.32	-2.00	-2.58
		-2.58	-2.00	-5.14e-03	0.0	360.0	202.46	1.16	-0.49	-3.32	-0.64	0.97
304	144	2.73	2.54	5.73e-03	0.0	0.0	-257.58	-1.23	-1.03	3.41	2.54	2.73
		-1.04	0.43	5.65e-03	0.0	360.0	-255.13	-1.23	-1.03	3.41	0.43	-1.04
304	145	0.85	-0.60	-5.53e-03	0.0	0.0	201.61	1.07	0.89	-3.41	-2.17	-2.37
		-2.37	-2.17	-5.44e-03	0.0	360.0	204.05	1.07	0.89	-3.41	-0.60	0.85
310	2	0.11	0.13	-1.54e-05	0.0	0.0	-41.88	-0.22	-0.07	-2.99e-04	0.13	0.11
		-0.15	0.05	5.22e-05	0.0	120.0	-40.93	-0.22	-0.07	-2.99e-04	0.05	-0.15
310	3	0.08	0.05	-8.90e-06	0.0	0.0	-27.21	-0.15	-0.02	-5.28e-05	0.05	0.08
		-0.09	0.02	1.87e-05	0.0	120.0	-26.47	-0.15	-0.02	-5.28e-05	0.02	-0.09
310	5	0.10	0.07	-1.52e-05	0.0	0.0	-41.59	-0.21	-0.03	-8.61e-05	0.07	0.10
		-0.15	0.03	2.90e-05	0.0	120.0	-40.64	-0.21	-0.03	-8.61e-05	0.03	-0.15
310	6	0.11	0.12	-1.58e-05	0.0	0.0	-42.26	-0.22	-0.06	-2.44e-04	0.12	0.11
		-0.15	0.05	5.05e-05	0.0	120.0	-41.31	-0.22	-0.06	-2.44e-04	0.05	-0.15
310	9	0.07	0.04	-9.95e-06	0.0	0.0	-29.42	-0.15	-0.02	-5.15e-05	0.04	0.07
		-0.11	0.02	1.52e-05	0.0	120.0	-28.69	-0.15	-0.02	-5.15e-05	0.02	-0.11
310	10	0.08	0.09	-1.05e-05	0.0	0.0	-30.05	-0.16	-0.04	-2.02e-04	0.09	0.08
		-0.11	0.03	3.57e-05	0.0	120.0	-29.32	-0.16	-0.04	-2.02e-04	0.03	-0.11
310	11	0.08	0.05	-1.04e-05	0.0	0.0	-29.86	-0.16	-0.02	-5.95e-05	0.05	0.08
		-0.11	0.02	2.02e-05	0.0	120.0	-29.13	-0.16	-0.02	-5.95e-05	0.02	-0.11
310	12	0.08	0.08	-1.08e-05	0.0	0.0	-30.31	-0.16	-0.04	-1.65e-04	0.08	0.08
		-0.11	0.03	3.45e-05	0.0	120.0	-29.58	-0.16	-0.04	-1.65e-04	0.03	-0.11
310	13	0.07	0.02	-9.24e-06	0.0	0.0	-28.75	-0.15	-8.24e-03	-3.94e-05	0.02	0.07
		-0.11	8.89e-03	7.69e-06	0.0	120.0	-28.01	-0.15	-8.24e-03	-3.94e-05	8.89e-03	-0.11
310	14	0.07	0.04	-9.54e-06	0.0	0.0	-29.06	-0.15	-0.02	-1.14e-04	0.04	0.07
		-0.11	0.02	1.79e-05	0.0	120.0	-28.33	-0.15	-0.02	-1.14e-04	0.02	-0.11
310	15	0.07	0.02	-9.48e-06	0.0	0.0	-28.97	-0.15	-0.01	-4.34e-05	0.02	0.07
		-0.11	0.01	1.02e-05	0.0	120.0	-28.24	-0.15	-0.01	-4.34e-05	0.01	-0.11
310	16	0.07	0.04	-9.66e-06	0.0	0.0	-29.16	-0.15	-0.02	-8.85e-05	0.04	0.07
		-0.11	0.02	1.63e-05	0.0	120.0	-28.43	-0.15	-0.02	-8.85e-05	0.02	-0.11
310	17	0.07	0.02	-9.24e-06	0.0	0.0	-28.75	-0.15	-8.24e-03	-3.94e-05	0.02	0.07
		-0.11	8.89e-03	7.69e-06	0.0	120.0	-28.01	-0.15	-8.24e-03	-3.94e-05	8.89e-03	-0.11
310	18	0.07	0.03	-9.42e-06	0.0	0.0	-28.94	-0.15	-0.02	-8.45e-05	0.03	0.07
		-0.11	0.01	1.38e-05	0.0	120.0	-28.21	-0.15	-0.02	-8.45e-05	0.01	-0.11
310	19	-0.80	0.75	-2.20e-04	0.0	0.0	-85.38	0.22	-0.43	7.29e-03	0.75	-0.96
		-0.96	0.24	3.11e-04	0.0	120.0	-84.65	0.22	-0.43	7.29e-03	0.24	-0.80
310	22	1.10	-0.21	2.02e-04	0.0	0.0	27.51	-0.52	0.40	-7.46e-03	-0.69	1.10
		0.58	-0.69	-2.83e-04	0.0	120.0	28.24	-0.52	0.40	-7.46e-03	-0.21	0.58
310	24	-0.54	1.90	-1.37e-04	0.0	0.0	-108.27	0.01	-1.08	3.87e-03	1.90	-0.54
		-0.59	0.61	7.83e-04	0.0	120.0	-107.54	0.01	-1.08	3.87e-03	0.61	-0.59
310	25	0.69	-0.58	1.19e-04	0.0	0.0	50.40	-0.31	1.05	-4.04e-03	-1.83	0.69
		0.38	-1.83	-7.56e-04	0.0	120.0	51.13	-0.31	1.05	-4.04e-03	-0.58	0.38
310	40	0.61	2.55	8.89e-05	0.0	0.0	-83.22	-0.45	-1.45	-4.83e-03	2.55	0.61
		0.11	0.81	1.05e-03	0.0	120.0	-82.49	-0.45	-1.45	-4.83e-03	0.81	0.11

310	41	-0.33	-0.78	-1.08e-04	0.0	0.0	25.35	0.15	1.42	4.66e-03	-2.48	-0.47
		-0.47	-2.48	-1.02e-03	0.0	120.0	26.08	0.15	1.42	4.66e-03	-0.78	-0.33
310	51	-0.62	0.57	-1.68e-04	0.0	0.0	-71.71	0.13	-0.33	5.41e-03	0.57	-0.69
		-0.69	0.18	2.36e-04	0.0	120.0	-70.98	0.13	-0.33	5.41e-03	0.18	-0.62
310	54	0.84	-0.15	1.49e-04	0.0	0.0	13.84	-0.43	0.29	-5.58e-03	-0.50	0.84
		0.41	-0.50	-2.08e-04	0.0	120.0	14.57	-0.43	0.29	-5.58e-03	-0.15	0.41
310	56	-0.39	1.44	-1.06e-04	0.0	0.0	-88.89	-0.03	-0.82	2.83e-03	1.44	-0.39
		-0.47	0.46	5.93e-04	0.0	120.0	-88.16	-0.03	-0.82	2.83e-03	0.46	-0.47
310	57	0.53	-0.43	8.73e-05	0.0	0.0	31.02	-0.27	0.79	-3.00e-03	-1.37	0.53
		0.25	-1.37	-5.65e-04	0.0	120.0	31.75	-0.27	0.79	-3.00e-03	-0.43	0.25
310	72	0.47	1.94	6.21e-05	0.0	0.0	-69.84	-0.37	-1.10	-3.64e-03	1.94	0.47
		0.05	0.62	7.98e-04	0.0	120.0	-69.11	-0.37	-1.10	-3.64e-03	0.62	0.05
310	73	-0.27	-0.59	-8.09e-05	0.0	0.0	11.97	0.07	1.07	3.47e-03	-1.87	-0.33
		-0.33	-1.87	-7.70e-04	0.0	120.0	12.70	0.07	1.07	3.47e-03	-0.59	-0.27
310	83	-0.56	0.51	-1.50e-04	0.0	0.0	-66.90	0.10	-0.29	4.79e-03	0.51	-0.61
		-0.61	0.16	2.10e-04	0.0	120.0	-66.17	0.10	-0.29	4.79e-03	0.16	-0.56
310	86	0.75	-0.14	1.31e-04	0.0	0.0	9.03	-0.40	0.26	-4.96e-03	-0.44	0.75
		0.35	-0.44	-1.83e-04	0.0	120.0	9.76	-0.40	0.26	-4.96e-03	-0.14	0.35
310	88	-0.33	1.28	-9.52e-05	0.0	0.0	-82.14	-0.04	-0.73	2.50e-03	1.28	-0.33
		-0.43	0.41	5.28e-04	0.0	120.0	-81.41	-0.04	-0.73	2.50e-03	0.41	-0.43
310	89	0.48	-0.38	7.64e-05	0.0	0.0	24.27	-0.26	0.70	-2.67e-03	-1.21	0.48
		0.21	-1.21	-5.00e-04	0.0	120.0	25.00	-0.26	0.70	-2.67e-03	-0.38	0.21
310	104	0.43	1.72	5.38e-05	0.0	0.0	-65.24	-0.35	-0.98	-3.24e-03	1.72	0.43
		0.03	0.55	7.10e-04	0.0	120.0	-64.51	-0.35	-0.98	-3.24e-03	0.55	0.03
310	105	-0.25	-0.52	-7.26e-05	0.0	0.0	7.37	0.05	0.95	3.07e-03	-1.66	-0.28
		-0.28	-1.66	-6.83e-04	0.0	120.0	8.10	0.05	0.95	3.07e-03	-0.52	-0.25
310	115	-0.93	0.90	-2.60e-04	0.0	0.0	-96.08	0.30	-0.52	8.74e-03	0.90	-1.16
		-1.16	0.28	3.71e-04	0.0	120.0	-95.35	0.30	-0.52	8.74e-03	0.28	-0.93
310	118	1.30	-0.26	2.41e-04	0.0	0.0	38.21	-0.60	0.48	-8.90e-03	-0.83	1.30
		0.71	-0.83	-3.43e-04	0.0	120.0	38.94	-0.60	0.48	-8.90e-03	-0.26	0.71
310	120	-0.66	2.28	-1.62e-04	0.0	0.0	-123.42	0.05	-1.30	4.64e-03	2.28	-0.66
		-0.69	0.73	9.40e-04	0.0	120.0	-122.69	0.05	-1.30	4.64e-03	0.73	-0.69
310	121	0.81	-0.70	1.43e-04	0.0	0.0	65.55	-0.34	1.27	-4.81e-03	-2.21	0.81
		0.47	-2.21	-9.12e-04	0.0	120.0	66.28	-0.34	1.27	-4.81e-03	-0.70	0.47
310	136	0.72	3.06	1.09e-04	0.0	0.0	-93.59	-0.51	-1.75	-5.83e-03	3.06	0.72
		0.16	0.98	1.26e-03	0.0	120.0	-92.86	-0.51	-1.75	-5.83e-03	0.98	0.16
310	137	-0.38	-0.95	-1.27e-04	0.0	0.0	35.72	0.21	1.71	5.66e-03	-3.00	-0.58
		-0.58	-3.00	-1.24e-03	0.0	120.0	36.45	0.21	1.71	5.66e-03	-0.95	-0.38
311	1	-0.01	0.07	-5.71e-05	0.0	0.0	-26.41	-0.03	-0.10	-2.49e-04	0.07	-0.01
		-0.05	-0.05	6.70e-05	0.0	120.0	-25.46	-0.03	-0.10	-2.49e-04	-0.05	-0.05
311	2	-8.27e-03	0.15	-5.68e-05	0.0	0.0	-26.78	-0.03	-0.22	-6.26e-04	0.15	-8.27e-03
		-0.04	-0.12	1.43e-04	0.0	120.0	-25.83	-0.03	-0.22	-6.26e-04	-0.12	-0.04
311	3	-2.92e-04	0.06	-3.33e-05	0.0	0.0	-17.47	-0.02	-0.09	-1.60e-04	0.06	-2.92e-04
		-0.03	-0.04	5.88e-05	0.0	120.0	-16.74	-0.02	-0.09	-1.60e-04	-0.04	-0.03
311	6	-7.72e-03	0.15	-5.73e-05	0.0	0.0	-26.96	-0.03	-0.22	-5.29e-04	0.15	-7.72e-03
		-0.04	-0.11	1.41e-04	0.0	120.0	-26.01	-0.03	-0.22	-5.29e-04	-0.11	-0.04
311	8	4.82e-03	0.14	-3.36e-05	0.0	0.0	-18.03	-0.02	-0.21	-4.41e-04	0.14	4.82e-03
		-0.02	-0.11	1.33e-04	0.0	120.0	-17.30	-0.02	-0.21	-4.41e-04	-0.11	-0.02
311	9	-6.29e-03	0.05	-3.92e-05	0.0	0.0	-18.99	-0.02	-0.07	-1.73e-04	0.05	-6.29e-03
		-0.03	-0.03	4.84e-05	0.0	120.0	-18.26	-0.02	-0.07	-1.73e-04	-0.03	-0.03
311	10	-3.25e-03	0.11	-3.90e-05	0.0	0.0	-19.23	-0.02	-0.15	-4.24e-04	0.11	-3.25e-03
		-0.03	-0.08	9.91e-05	0.0	120.0	-18.50	-0.02	-0.15	-4.24e-04	-0.08	-0.03
311	12	-2.88e-03	0.10	-3.93e-05	0.0	0.0	-19.36	-0.02	-0.15	-3.60e-04	0.10	-2.88e-03
		-0.03	-0.08	9.78e-05	0.0	120.0	-18.63	-0.02	-0.15	-3.60e-04	-0.08	-0.03
311	13	-8.20e-03	0.03	-3.87e-05	0.0	0.0	-18.69	-0.02	-0.04	-1.56e-04	0.03	-8.20e-03
		-0.03	-0.01	2.76e-05	0.0	120.0	-17.96	-0.02	-0.04	-1.56e-04	-0.01	-0.03
311	14	-6.68e-03	0.06	-3.86e-05	0.0	0.0	-18.81	-0.02	-0.08	-2.82e-04	0.06	-6.68e-03
		-0.03	-0.04	5.29e-05	0.0	120.0	-18.08	-0.02	-0.08	-2.82e-04	-0.04	-0.03
311	16	-6.65e-03	0.05	-3.88e-05	0.0	0.0	-18.86	-0.02	-0.07	-2.37e-04	0.05	-6.65e-03
		-0.03	-0.03	4.97e-05	0.0	120.0	-18.13	-0.02	-0.07	-2.37e-04	-0.03	-0.03
311	17	-8.20e-03	0.03	-3.87e-05	0.0	0.0	-18.69	-0.02	-0.04	-1.56e-04	0.03	-8.20e-03
		-0.03	-0.01	2.76e-05	0.0	120.0	-17.96	-0.02	-0.04	-1.56e-04	-0.01	-0.03
311	18	-7.29e-03	0.05	-3.86e-05	0.0	0.0	-18.76	-0.02	-0.06	-2.31e-04	0.05	-7.29e-03
		-0.03	-0.03	4.28e-05	0.0	120.0	-18.03	-0.02	-0.06	-2.31e-04	-0.03	-0.03
311	19	-0.39	0.67	-4.98e-04	0.0	0.0	-44.59	0.09	-1.09	9.90e-03	0.67	-0.47
		-0.47	-0.64	6.72e-04	0.0	120.0	-43.86	0.09	-1.09	9.90e-03	-0.64	-0.39
311	22	0.46	0.58	4.21e-04	0.0	0.0	7.06	-0.13	0.96	-0.01	-0.58	0.46
		0.33	-0.58	-5.86e-04	0.0	120.0	7.79	-0.13	0.96	-0.01	0.58	0.33
311	24	-0.28	1.72	-3.65e-04	0.0	0.0	-55.34	0.03	-2.76	5.02e-03	1.72	-0.30
		-0.30	-1.60	1.71e-03	0.0	120.0	-54.61	0.03	-2.76	5.02e-03	-1.60	-0.28
311	25	0.28	1.55	2.88e-04	0.0	0.0	17.81	-0.07	2.64	-5.48e-03	-1.62	0.28
		0.22	-1.62	-1.63e-03	0.0	120.0	18.55	-0.07	2.64	-5.48e-03	1.55	0.22
311	40	0.21	2.29	1.02e-04	0.0	0.0	-44.16	-0.11	-3.68	-0.01	2.29	0.21
		0.10	-2.13	2.28e-03	0.0	120.0	-43.43	-0.11	-3.68	-0.01	-2.13	0.10
311	41	-0.16	2.07	-1.79e-04	0.0	0.0	6.63	0.07	3.56	0.01	-2.20	-0.23

		-0.23	-2.20	-2.20e-03	0.0	120.0	7.36	0.07	3.56	0.01	2.07	-0.16
311	51	-0.30	0.52	-3.82e-04	0.0	0.0	-38.16	0.07	-0.83	7.30e-03	0.52	-0.35
		-0.35	-0.48	5.15e-04	0.0	120.0	-37.43	0.07	-0.83	7.30e-03	-0.48	-0.30
311	54	0.34	0.43	3.04e-04	0.0	0.0	0.64	-0.10	0.71	-7.76e-03	-0.42	0.34
		0.24	-0.42	-4.30e-04	0.0	120.0	1.37	-0.10	0.71	-7.76e-03	0.43	0.24
311	56	-0.22	1.31	-2.83e-04	0.0	0.0	-46.21	0.02	-2.10	3.61e-03	1.31	-0.22
		-0.22	-1.21	1.30e-03	0.0	120.0	-45.48	0.02	-2.10	3.61e-03	-1.21	-0.22
311	57	0.21	1.16	2.06e-04	0.0	0.0	8.69	-0.06	1.97	-4.08e-03	-1.21	0.21
		0.15	-1.21	-1.22e-03	0.0	120.0	9.42	-0.06	1.97	-4.08e-03	1.16	0.15
311	72	0.16	1.75	6.23e-05	0.0	0.0	-37.83	-0.09	-2.80	-8.76e-03	1.75	0.16
		0.06	-1.62	1.74e-03	0.0	120.0	-37.09	-0.09	-2.80	-8.76e-03	-1.62	0.06
311	73	-0.12	1.56	-1.40e-04	0.0	0.0	0.30	0.05	2.67	8.30e-03	-1.65	-0.17
		-0.17	-1.65	-1.65e-03	0.0	120.0	1.03	0.05	2.67	8.30e-03	1.56	-0.12
311	83	-0.27	0.47	-3.43e-04	0.0	0.0	-35.97	0.06	-0.74	6.45e-03	0.47	-0.31
		-0.31	-0.43	4.62e-04	0.0	120.0	-35.24	0.06	-0.74	6.45e-03	-0.43	-0.27
311	86	0.30	0.38	2.65e-04	0.0	0.0	-1.56	-0.10	0.62	-6.91e-03	-0.37	0.30
		0.21	-0.37	-3.77e-04	0.0	120.0	-0.83	-0.10	0.62	-6.91e-03	0.38	0.21
311	88	-0.19	1.17	-2.55e-04	0.0	0.0	-43.11	0.01	-1.87	3.17e-03	1.17	-0.20
		-0.20	-1.08	1.16e-03	0.0	120.0	-42.38	0.01	-1.87	3.17e-03	-1.08	-0.19
311	89	0.18	1.03	1.78e-04	0.0	0.0	5.58	-0.05	1.74	-3.63e-03	-1.07	0.18
		0.13	-1.07	-1.07e-03	0.0	120.0	6.31	-0.05	1.74	-3.63e-03	1.03	0.13
311	104	0.14	1.56	5.05e-05	0.0	0.0	-35.67	-0.08	-2.49	-7.80e-03	1.56	0.14
		0.05	-1.44	1.55e-03	0.0	120.0	-34.94	-0.08	-2.49	-7.80e-03	-1.44	0.05
311	105	-0.11	1.38	-1.28e-04	0.0	0.0	-1.85	0.04	2.37	7.34e-03	-1.46	-0.15
		-0.15	-1.46	-1.46e-03	0.0	120.0	-1.12	0.04	2.37	7.34e-03	1.38	-0.11
311	115	-0.46	0.80	-5.86e-04	0.0	0.0	-49.54	0.12	-1.30	0.01	0.80	-0.56
		-0.56	-0.76	8.00e-04	0.0	120.0	-48.81	0.12	-1.30	0.01	-0.76	-0.46
311	118	0.55	0.71	5.09e-04	0.0	0.0	12.02	-0.16	1.17	-0.01	-0.71	0.55
		0.40	-0.71	-7.15e-04	0.0	120.0	12.75	-0.16	1.17	-0.01	0.71	0.40
311	120	-0.33	2.06	-4.28e-04	0.0	0.0	-62.38	0.04	-3.31	6.05e-03	2.06	-0.35
		-0.35	-1.92	2.05e-03	0.0	120.0	-61.65	0.04	-3.31	6.05e-03	-1.92	-0.33
311	121	0.34	1.87	3.50e-04	0.0	0.0	24.85	-0.08	3.19	-6.52e-03	-1.97	0.34
		0.27	-1.97	-1.97e-03	0.0	120.0	25.58	-0.08	3.19	-6.52e-03	1.87	0.27
311	136	0.26	2.76	1.31e-04	0.0	0.0	-49.00	-0.13	-4.43	-0.01	2.76	0.26
		0.12	-2.56	2.75e-03	0.0	120.0	-48.27	-0.13	-4.43	-0.01	-2.56	0.12
311	137	-0.19	2.51	-2.08e-04	0.0	0.0	11.47	0.09	4.30	0.01	-2.66	-0.27
		-0.27	-2.66	-2.66e-03	0.0	120.0	12.20	0.09	4.30	0.01	2.51	-0.19
312	1	-5.13e-03	0.12	-7.71e-05	0.0	0.0	-13.48	-0.03	-0.06	-8.07e-05	0.12	-5.13e-03
		-0.04	0.05	9.11e-05	0.0	120.0	-12.53	-0.03	-0.06	-8.07e-05	0.05	-0.04
312	2	-2.69e-03	0.23	-7.55e-05	0.0	0.0	-13.58	-0.02	-0.10	5.82e-05	0.23	-2.69e-03
		-0.02	0.11	1.73e-04	0.0	120.0	-12.63	-0.02	-0.10	5.82e-05	0.11	-0.02
312	3	3.74e-04	0.10	-4.51e-05	0.0	0.0	-9.05	-0.02	-0.05	9.24e-05	0.10	3.74e-04
		-0.02	0.04	7.90e-05	0.0	120.0	-8.32	-0.02	-0.05	9.24e-05	0.04	-0.02
312	6	-2.15e-03	0.22	-7.62e-05	0.0	0.0	-13.62	-0.02	-0.09	1.79e-04	0.22	-2.15e-03
		-0.02	0.12	1.70e-04	0.0	120.0	-12.67	-0.02	-0.09	1.79e-04	0.12	-0.02
312	8	3.35e-03	0.21	-4.42e-05	0.0	0.0	-9.20	-6.39e-03	-0.08	3.52e-04	0.21	3.35e-03
		-4.31e-03	0.11	1.58e-04	0.0	120.0	-8.46	-6.39e-03	-0.08	3.52e-04	0.11	-4.31e-03
312	9	-2.45e-03	0.08	-5.31e-05	0.0	0.0	-9.78	-0.02	-0.04	-4.42e-05	0.08	-2.45e-03
		-0.03	0.03	6.73e-05	0.0	120.0	-9.05	-0.02	-0.04	-4.42e-05	0.03	-0.03
312	10	-8.29e-04	0.16	-5.20e-05	0.0	0.0	-9.85	-0.01	-0.07	4.84e-05	0.16	-8.29e-04
		-0.02	0.07	1.22e-04	0.0	120.0	-9.12	-0.01	-0.07	4.84e-05	0.07	-0.02
312	12	-4.69e-04	0.16	-5.25e-05	0.0	0.0	-9.87	-0.01	-0.07	1.29e-04	0.16	-4.69e-04
		-0.02	0.08	1.20e-04	0.0	120.0	-9.14	-0.01	-0.07	1.29e-04	0.08	-0.02
312	13	-3.73e-03	0.05	-5.28e-05	0.0	0.0	-9.71	-0.03	-0.04	-2.06e-04	0.05	-3.73e-03
		-0.03	2.68e-03	4.53e-05	0.0	120.0	-8.98	-0.03	-0.04	-2.06e-04	2.68e-03	-0.03
312	14	-2.91e-03	0.09	-5.23e-05	0.0	0.0	-9.74	-0.02	-0.06	-1.60e-04	0.09	-2.91e-03
		-0.03	0.02	7.26e-05	0.0	120.0	-9.01	-0.02	-0.06	-1.60e-04	0.02	-0.03
312	16	-2.81e-03	0.09	-5.26e-05	0.0	0.0	-9.75	-0.02	-0.05	-1.25e-04	0.09	-2.81e-03
		-0.03	0.02	6.90e-05	0.0	120.0	-9.02	-0.02	-0.05	-1.25e-04	0.02	-0.03
312	17	-3.73e-03	0.05	-5.28e-05	0.0	0.0	-9.71	-0.03	-0.04	-2.06e-04	0.05	-3.73e-03
		-0.03	2.68e-03	4.53e-05	0.0	120.0	-8.98	-0.03	-0.04	-2.06e-04	2.68e-03	-0.03
312	18	-3.24e-03	0.08	-5.25e-05	0.0	0.0	-9.73	-0.02	-0.05	-1.79e-04	0.08	-3.24e-03
		-0.03	0.01	6.16e-05	0.0	120.0	-9.00	-0.02	-0.05	-1.79e-04	0.01	-0.03
312	19	0.28	0.86	-5.62e-04	0.0	0.0	-22.50	0.31	-0.44	6.35e-03	0.86	-0.19
		-0.19	-1.02	6.88e-04	0.0	120.0	-21.76	0.31	-0.44	6.35e-03	-1.02	0.28
312	20	0.52	2.21	-3.95e-04	0.0	0.0	-18.70	0.50	-1.17	9.63e-03	2.21	-0.10
		-0.10	-0.48	1.80e-03	0.0	120.0	-17.97	0.50	-1.17	9.63e-03	-0.48	0.52
312	21	0.10	0.51	2.90e-04	0.0	0.0	-0.76	-0.54	1.07	-9.99e-03	-2.06	0.10
		-0.58	-2.06	-1.68e-03	0.0	120.0	-0.03	-0.54	1.07	-9.99e-03	0.51	-0.58
312	22	0.18	1.05	4.57e-04	0.0	0.0	3.04	-0.35	0.34	-6.70e-03	-0.71	0.18
		-0.34	-0.71	-5.65e-04	0.0	120.0	3.77	-0.35	0.34	-6.70e-03	1.05	-0.34
312	40	0.50	2.80	1.15e-04	0.0	0.0	-6.07	0.41	-1.52	6.98e-03	2.80	0.10
		0.10	1.12	2.30e-03	0.0	120.0	-5.34	0.41	-1.52	6.98e-03	1.12	0.50
312	41	-0.11	-1.09	-2.20e-04	0.0	0.0	-13.38	-0.46	1.42	-7.34e-03	-2.65	-0.11
		-0.56	-2.65	-2.18e-03	0.0	120.0	-12.65	-0.46	1.42	-7.34e-03	-1.09	-0.56

312	51	0.20	0.67	-4.32e-04	0.0	0.0	-19.18	0.22	-0.35	4.69e-03	0.67	-0.14
		-0.14	-0.76	5.33e-04	0.0	120.0	-18.45	0.22	-0.35	4.69e-03	-0.76	0.20
312	52	0.38	1.69	-3.09e-04	0.0	0.0	-16.38	0.36	-0.90	7.15e-03	1.69	-0.08
		-0.08	-0.35	1.38e-03	0.0	120.0	-15.65	0.36	-0.90	7.15e-03	-0.35	0.38
312	53	0.07	0.38	2.04e-04	0.0	0.0	-3.08	-0.41	0.80	-7.51e-03	-1.54	0.07
		-0.44	-1.54	-1.25e-03	0.0	120.0	-2.34	-0.41	0.80	-7.51e-03	0.38	-0.44
312	54	0.13	0.79	3.27e-04	0.0	0.0	-0.28	-0.26	0.24	-5.04e-03	-0.51	0.13
		-0.26	-0.51	-4.10e-04	0.0	120.0	0.45	-0.26	0.24	-5.04e-03	0.79	-0.26
312	72	0.37	2.14	6.87e-05	0.0	0.0	-7.09	0.30	-1.17	5.22e-03	2.14	0.07
		0.07	0.86	1.76e-03	0.0	120.0	-6.35	0.30	-1.17	5.22e-03	0.86	0.37
312	73	-0.08	-0.83	-1.74e-04	0.0	0.0	-12.37	-0.35	1.06	-5.58e-03	-1.99	-0.08
		-0.43	-1.99	-1.63e-03	0.0	120.0	-11.64	-0.35	1.06	-5.58e-03	-0.83	-0.43
312	83	0.17	0.60	-3.89e-04	0.0	0.0	-18.10	0.19	-0.31	4.13e-03	0.60	-0.12
		-0.12	-0.67	4.80e-04	0.0	120.0	-17.37	0.19	-0.31	4.13e-03	-0.67	0.17
312	84	0.34	1.51	-2.80e-04	0.0	0.0	-15.62	0.32	-0.81	6.32e-03	1.51	-0.07
		-0.07	-0.31	1.23e-03	0.0	120.0	-14.89	0.32	-0.81	6.32e-03	-0.31	0.34
312	85	0.06	0.34	1.75e-04	0.0	0.0	-3.84	-0.36	0.71	-6.68e-03	-1.35	0.06
		-0.40	-1.35	-1.10e-03	0.0	120.0	-3.11	-0.36	0.71	-6.68e-03	0.34	-0.40
312	86	0.12	0.70	2.84e-04	0.0	0.0	-1.36	-0.24	0.21	-4.49e-03	-0.45	0.12
		-0.23	-0.45	-3.57e-04	0.0	120.0	-0.63	-0.24	0.21	-4.49e-03	0.70	-0.23
312	104	0.33	1.91	5.46e-05	0.0	0.0	-7.39	0.26	-1.04	4.62e-03	1.91	0.07
		0.07	0.76	1.57e-03	0.0	120.0	-6.66	0.26	-1.04	4.62e-03	0.76	0.33
312	105	-0.07	-0.73	-1.60e-04	0.0	0.0	-12.07	-0.31	0.94	-4.97e-03	-1.76	-0.07
		-0.39	-1.76	-1.44e-03	0.0	120.0	-11.33	-0.31	0.94	-4.97e-03	-0.73	-0.39
312	115	0.34	1.02	-6.60e-04	0.0	0.0	-24.98	0.37	-0.52	7.64e-03	1.02	-0.22
		-0.22	-1.22	8.17e-04	0.0	120.0	-24.25	0.37	-0.52	7.64e-03	-1.22	0.34
312	116	0.64	2.65	-4.60e-04	0.0	0.0	-20.45	0.61	-1.41	0.01	2.65	-0.12
		-0.12	-0.58	2.16e-03	0.0	120.0	-19.72	0.61	-1.41	0.01	-0.58	0.64
312	117	0.11	0.61	3.55e-04	0.0	0.0	0.99	-0.65	1.30	-0.01	-2.50	0.11
		-0.70	-2.50	-2.04e-03	0.0	120.0	1.72	-0.65	1.30	-0.01	0.61	-0.70
312	118	0.22	1.25	5.55e-04	0.0	0.0	5.52	-0.42	0.42	-8.00e-03	-0.87	0.22
		-0.40	-0.87	-6.93e-04	0.0	120.0	6.25	-0.42	0.42	-8.00e-03	1.25	-0.40
312	136	0.62	3.37	1.50e-04	0.0	0.0	-5.32	0.50	-1.82	8.41e-03	3.37	0.12
		0.12	1.34	2.77e-03	0.0	120.0	-4.59	0.50	-1.82	8.41e-03	1.34	0.62
312	137	-0.13	-1.31	-2.55e-04	0.0	0.0	-14.14	-0.55	1.72	-8.76e-03	-3.21	-0.13
		-0.68	-3.21	-2.64e-03	0.0	120.0	-13.41	-0.55	1.72	-8.76e-03	-1.31	-0.68
313	2	-0.06	0.13	-2.61e-05	0.0	0.0	-40.60	-0.12	-0.07	-5.79e-04	0.13	-0.06
		-0.21	0.04	5.28e-05	0.0	120.0	-39.65	-0.12	-0.07	-5.79e-04	0.04	-0.21
313	3	-0.02	0.05	-1.23e-05	0.0	0.0	-23.33	-0.05	-0.02	-1.14e-04	0.05	-0.02
		-0.09	0.02	1.89e-05	0.0	120.0	-22.60	-0.05	-0.02	-1.14e-04	0.02	-0.09
313	7	-0.03	0.06	-1.27e-05	0.0	0.0	-23.27	-0.06	-0.03	-1.63e-04	0.06	-0.03
		-0.09	0.02	2.65e-05	0.0	120.0	-22.54	-0.06	-0.03	-1.63e-04	0.02	-0.09
313	9	-0.02	0.04	-1.34e-05	0.0	0.0	-25.93	-0.06	-0.02	-8.38e-05	0.04	-0.02
		-0.10	0.01	1.54e-05	0.0	120.0	-25.20	-0.06	-0.02	-8.38e-05	0.01	-0.10
313	10	-0.04	0.09	-1.83e-05	0.0	0.0	-28.82	-0.08	-0.05	-3.94e-04	0.09	-0.04
		-0.14	0.03	3.61e-05	0.0	120.0	-28.09	-0.08	-0.05	-3.94e-04	0.03	-0.14
313	11	-0.03	0.05	-1.36e-05	0.0	0.0	-25.89	-0.06	-0.03	-1.17e-04	0.05	-0.03
		-0.10	0.02	2.04e-05	0.0	120.0	-25.16	-0.06	-0.03	-1.17e-04	0.02	-0.10
313	13	-0.02	0.02	-1.31e-05	0.0	0.0	-26.00	-0.06	-9.52e-03	-3.41e-05	0.02	-0.02
		-0.09	7.63e-03	7.83e-06	0.0	120.0	-25.26	-0.06	-9.52e-03	-3.41e-05	7.63e-03	-0.09
313	14	-0.03	0.04	-1.55e-05	0.0	0.0	-27.44	-0.07	-0.02	-1.89e-04	0.04	-0.03
		-0.11	0.02	1.82e-05	0.0	120.0	-26.71	-0.07	-0.02	-1.89e-04	0.02	-0.11
313	15	-0.02	0.03	-1.32e-05	0.0	0.0	-25.98	-0.06	-0.01	-5.07e-05	0.03	-0.02
		-0.09	9.81e-03	1.03e-05	0.0	120.0	-25.24	-0.06	-0.01	-5.07e-05	9.81e-03	-0.09
313	17	-0.02	0.02	-1.31e-05	0.0	0.0	-26.00	-0.06	-9.52e-03	-3.41e-05	0.02	-0.02
		-0.09	7.63e-03	7.83e-06	0.0	120.0	-25.26	-0.06	-9.52e-03	-3.41e-05	7.63e-03	-0.09
313	18	-0.03	0.03	-1.46e-05	0.0	0.0	-26.86	-0.07	-0.02	-1.27e-04	0.03	-0.03
		-0.11	0.01	1.40e-05	0.0	120.0	-26.13	-0.07	-0.02	-1.27e-04	0.01	-0.11
313	27	-0.36	0.86	-1.14e-04	0.0	0.0	-127.81	-0.47	-0.52	-4.15e-03	0.86	-0.36
		-0.91	0.24	3.56e-04	0.0	120.0	-127.08	-0.47	-0.52	-4.15e-03	0.24	-0.91
313	28	-0.60	2.12	-1.73e-04	0.0	0.0	-93.03	-0.72	-1.26	-9.39e-03	2.12	-0.60
		-1.47	0.60	8.75e-04	0.0	120.0	-92.30	-0.72	-1.26	-9.39e-03	0.60	-1.47
313	29	1.26	-0.58	1.44e-04	0.0	0.0	39.31	0.59	1.23	9.13e-03	-2.05	0.55
		0.55	-2.05	-8.47e-04	0.0	120.0	40.04	0.59	1.23	9.13e-03	-0.58	1.26
313	30	0.70	-0.22	8.46e-05	0.0	0.0	74.09	0.34	0.48	3.90e-03	-0.79	0.30
		0.30	-0.79	-3.28e-04	0.0	120.0	74.82	0.34	0.48	3.90e-03	-0.22	0.70
313	40	-0.57	2.56	-1.51e-04	0.0	0.0	6.04	-0.65	-1.53	-0.01	2.56	-0.57
		-1.35	0.74	1.06e-03	0.0	120.0	6.77	-0.65	-1.53	-0.01	0.74	-1.35
313	41	1.14	-0.71	1.22e-04	0.0	0.0	-59.76	0.52	1.49	0.01	-2.50	0.52
		0.52	-2.50	-1.03e-03	0.0	120.0	-59.03	0.52	1.49	0.01	-0.71	1.14
313	59	-0.27	0.66	-8.91e-05	0.0	0.0	-102.06	-0.37	-0.40	-3.18e-03	0.66	-0.27
		-0.71	0.19	2.74e-04	0.0	120.0	-101.33	-0.37	-0.40	-3.18e-03	0.19	-0.71
313	60	-0.46	1.61	-1.33e-04	0.0	0.0	-76.34	-0.56	-0.96	-7.14e-03	1.61	-0.46
		-1.13	0.46	6.66e-04	0.0	120.0	-75.61	-0.56	-0.96	-7.14e-03	0.46	-1.13
313	61	0.92	-0.44	1.04e-04	0.0	0.0	22.62	0.43	0.93	6.89e-03	-1.54	0.41

		0.41	-1.54	-6.38e-04	0.0	120.0	23.35	0.43	0.93	6.89e-03	-0.44	0.92
313	62	0.50	-0.16	6.00e-05	0.0	0.0	48.34	0.24	0.36	2.92e-03	-0.59	0.22
		0.22	-0.59	-2.46e-04	0.0	120.0	49.07	0.24	0.36	2.92e-03	-0.16	0.50
313	72	-0.44	1.95	-1.17e-04	0.0	0.0	-2.70	-0.51	-1.16	-8.25e-03	1.95	-0.44
		-1.04	0.56	8.04e-04	0.0	120.0	-1.97	-0.51	-1.16	-8.25e-03	0.56	-1.04
313	73	0.83	-0.54	8.80e-05	0.0	0.0	-51.02	0.38	1.12	7.99e-03	-1.88	0.38
		0.38	-1.88	-7.76e-04	0.0	120.0	-50.29	0.38	1.12	7.99e-03	-0.54	0.83
313	91	-0.25	0.59	-8.07e-05	0.0	0.0	-93.51	-0.33	-0.35	-2.83e-03	0.59	-0.25
		-0.64	0.17	2.44e-04	0.0	120.0	-92.77	-0.33	-0.35	-2.83e-03	0.17	-0.64
313	92	-0.41	1.44	-1.20e-04	0.0	0.0	-70.73	-0.50	-0.86	-6.36e-03	1.44	-0.41
		-1.01	0.41	5.93e-04	0.0	120.0	-70.00	-0.50	-0.86	-6.36e-03	0.41	-1.01
313	93	0.80	-0.39	9.08e-05	0.0	0.0	17.01	0.37	0.82	6.10e-03	-1.37	0.36
		0.36	-1.37	-5.65e-04	0.0	120.0	17.74	0.37	0.82	6.10e-03	-0.39	0.80
313	94	0.43	-0.14	5.16e-05	0.0	0.0	39.78	0.20	0.32	2.58e-03	-0.52	0.19
		0.19	-0.52	-2.16e-04	0.0	120.0	40.51	0.20	0.32	2.58e-03	-0.14	0.43
313	104	-0.39	1.73	-1.06e-04	0.0	0.0	-5.48	-0.46	-1.03	-7.34e-03	1.73	-0.39
		-0.94	0.50	7.16e-04	0.0	120.0	-4.75	-0.46	-1.03	-7.34e-03	0.50	-0.94
313	105	0.73	-0.47	7.64e-05	0.0	0.0	-48.24	0.33	1.00	7.09e-03	-1.67	0.34
		0.34	-1.67	-6.88e-04	0.0	120.0	-47.51	0.33	1.00	7.09e-03	-0.47	0.73
313	123	-0.42	1.02	-1.33e-04	0.0	0.0	-148.01	-0.55	-0.61	-4.97e-03	1.02	-0.42
		-1.08	0.29	4.21e-04	0.0	120.0	-147.27	-0.55	-0.61	-4.97e-03	0.29	-1.08
313	124	-0.72	2.54	-2.05e-04	0.0	0.0	-106.14	-0.86	-1.51	-0.01	2.54	-0.72
		-1.74	0.72	1.05e-03	0.0	120.0	-105.41	-0.86	-1.51	-0.01	0.72	-1.74
313	125	1.53	-0.70	1.75e-04	0.0	0.0	52.42	0.73	1.48	0.01	-2.47	0.67
		0.67	-2.47	-1.02e-03	0.0	120.0	53.15	0.73	1.48	0.01	-0.70	1.53
313	126	0.86	-0.27	1.04e-04	0.0	0.0	94.28	0.42	0.57	4.71e-03	-0.95	0.37
		0.37	-0.95	-3.93e-04	0.0	120.0	95.01	0.42	0.57	4.71e-03	-0.27	0.86
313	136	-0.69	3.08	-1.79e-04	0.0	0.0	12.85	-0.77	-1.84	-0.01	3.08	-0.69
		-1.61	0.89	1.27e-03	0.0	120.0	13.58	-0.77	-1.84	-0.01	0.89	-1.61
313	137	1.40	-0.86	1.50e-04	0.0	0.0	-66.57	0.64	1.80	0.01	-3.01	0.63
		0.63	-3.01	-1.24e-03	0.0	120.0	-65.84	0.64	1.80	0.01	-0.86	1.40
314	2	-0.06	0.13	-9.14e-05	0.0	0.0	-25.13	-0.01	-0.21	-1.30e-03	0.13	-0.06
		-0.07	-0.12	1.38e-04	0.0	120.0	-24.18	-0.01	-0.21	-1.30e-03	-0.12	-0.07
314	3	-0.01	0.05	-3.94e-05	0.0	0.0	-14.64	-0.01	-0.08	-2.90e-04	0.05	-0.01
		-0.03	-0.04	5.68e-05	0.0	120.0	-13.91	-0.01	-0.08	-2.90e-04	-0.04	-0.03
314	7	-0.02	0.07	-4.20e-05	0.0	0.0	-14.56	-0.01	-0.11	-4.06e-04	0.07	-0.02
		-0.03	-0.06	7.71e-05	0.0	120.0	-13.82	-0.01	-0.11	-4.06e-04	-0.06	-0.03
314	9	-0.01	0.04	-4.39e-05	0.0	0.0	-16.47	-0.01	-0.06	-2.15e-04	0.04	-0.01
		-0.03	-0.03	4.66e-05	0.0	120.0	-15.73	-0.01	-0.06	-2.15e-04	-0.03	-0.03
314	10	-0.04	0.09	-6.26e-05	0.0	0.0	-17.77	-0.01	-0.14	-8.93e-04	0.09	-0.04
		-0.05	-0.08	9.56e-05	0.0	120.0	-17.04	-0.01	-0.14	-8.93e-04	-0.08	-0.05
314	11	-0.02	0.05	-4.56e-05	0.0	0.0	-16.41	-0.01	-0.08	-2.92e-04	0.05	-0.02
		-0.03	-0.05	6.02e-05	0.0	120.0	-15.68	-0.01	-0.08	-2.92e-04	-0.05	-0.03
314	13	-6.76e-03	0.02	-4.13e-05	0.0	0.0	-16.55	-0.02	-0.03	-9.85e-05	0.02	-6.76e-03
		-0.03	-0.02	2.63e-05	0.0	120.0	-15.82	-0.02	-0.03	-9.85e-05	-0.02	-0.03
314	14	-0.02	0.05	-5.06e-05	0.0	0.0	-17.20	-0.01	-0.07	-4.37e-04	0.05	-0.02
		-0.04	-0.04	5.08e-05	0.0	120.0	-16.47	-0.01	-0.07	-4.37e-04	-0.04	-0.04
314	15	-8.58e-03	0.03	-4.21e-05	0.0	0.0	-16.52	-0.02	-0.04	-1.37e-04	0.03	-8.58e-03
		-0.03	-0.02	3.31e-05	0.0	120.0	-15.79	-0.02	-0.04	-1.37e-04	-0.02	-0.03
314	17	-6.76e-03	0.02	-4.13e-05	0.0	0.0	-16.55	-0.02	-0.03	-9.85e-05	0.02	-6.76e-03
		-0.03	-0.02	2.63e-05	0.0	120.0	-15.82	-0.02	-0.03	-9.85e-05	-0.02	-0.03
314	18	-0.01	0.04	-4.69e-05	0.0	0.0	-16.94	-0.02	-0.06	-3.02e-04	0.04	-0.01
		-0.03	-0.03	4.10e-05	0.0	120.0	-16.21	-0.02	-0.06	-3.02e-04	-0.03	-0.03
314	19	-0.29	0.57	-3.53e-04	0.0	0.0	-65.33	0.04	-1.01	-5.42e-03	0.57	-0.32
		-0.32	-0.65	6.53e-04	0.0	120.0	-64.60	0.04	-1.01	-5.42e-03	-0.65	-0.29
314	22	0.30	0.59	2.59e-04	0.0	0.0	31.46	-0.07	0.90	4.81e-03	-0.50	0.30
		0.23	-0.50	-5.71e-04	0.0	120.0	32.19	-0.07	0.90	4.81e-03	0.59	0.23
314	40	-0.54	1.92	-5.82e-04	0.0	0.0	-1.03	0.16	-3.39	-0.02	1.92	-0.71
		-0.71	-2.14	2.21e-03	0.0	120.0	-0.30	0.16	-3.39	-0.02	-2.14	-0.54
314	41	0.69	2.08	4.88e-04	0.0	0.0	-32.85	-0.19	3.27	0.02	-1.85	0.69
		0.48	-1.85	-2.13e-03	0.0	120.0	-32.11	-0.19	3.27	0.02	2.08	0.48
314	51	-0.23	0.44	-2.76e-04	0.0	0.0	-52.60	0.02	-0.77	-4.17e-03	0.44	-0.25
		-0.25	-0.49	5.01e-04	0.0	120.0	-51.87	0.02	-0.77	-4.17e-03	-0.49	-0.23
314	54	0.22	0.43	1.82e-04	0.0	0.0	18.73	-0.06	0.66	3.57e-03	-0.37	0.22
		0.16	-0.37	-4.19e-04	0.0	120.0	19.46	-0.06	0.66	3.57e-03	0.43	0.16
314	72	-0.41	1.46	-4.49e-04	0.0	0.0	-5.32	0.12	-2.57	-0.01	1.46	-0.54
		-0.54	-1.63	1.68e-03	0.0	120.0	-4.59	0.12	-2.57	-0.01	-1.63	-0.41
314	73	0.51	1.57	3.55e-04	0.0	0.0	-28.55	-0.15	2.46	0.01	-1.39	0.51
		0.35	-1.39	-1.60e-03	0.0	120.0	-27.82	-0.15	2.46	0.01	1.57	0.35
314	83	-0.21	0.40	-2.50e-04	0.0	0.0	-48.50	0.02	-0.69	-3.74e-03	0.40	-0.22
		-0.22	-0.44	4.49e-04	0.0	120.0	-47.77	0.02	-0.69	-3.74e-03	-0.44	-0.21
314	86	0.19	0.38	1.56e-04	0.0	0.0	14.62	-0.05	0.58	3.14e-03	-0.32	0.19
		0.14	-0.32	-3.67e-04	0.0	120.0	15.35	-0.05	0.58	3.14e-03	0.38	0.14
314	104	-0.37	1.30	-4.04e-04	0.0	0.0	-6.67	0.10	-2.29	-0.01	1.30	-0.48
		-0.48	-1.45	1.50e-03	0.0	120.0	-5.94	0.10	-2.29	-0.01	-1.45	-0.37

314	105	0.46	1.39	3.10e-04	0.0	0.0	-27.21	-0.13	2.18	0.01	-1.23	0.46
		0.31	-1.23	-1.42e-03	0.0	120.0	-26.47	-0.13	2.18	0.01	1.39	0.31
314	115	-0.35	0.68	-4.14e-04	0.0	0.0	-74.97	0.05	-1.21	-6.48e-03	0.68	-0.39
		-0.39	-0.77	7.78e-04	0.0	120.0	-74.24	0.05	-1.21	-6.48e-03	-0.77	-0.35
314	118	0.36	0.71	3.20e-04	0.0	0.0	41.09	-0.08	1.09	5.87e-03	-0.61	0.36
		0.28	-0.61	-6.96e-04	0.0	120.0	41.82	-0.08	1.09	5.87e-03	0.71	0.28
314	136	-0.65	2.31	-6.92e-04	0.0	0.0	2.23	0.19	-4.07	-0.02	2.31	-0.86
		-0.86	-2.58	2.66e-03	0.0	120.0	2.96	0.19	-4.07	-0.02	-2.58	-0.65
314	137	0.83	2.52	5.98e-04	0.0	0.0	-36.10	-0.22	3.96	0.02	-2.24	0.83
		0.58	-2.24	-2.58e-03	0.0	120.0	-35.37	-0.22	3.96	0.02	2.52	0.58
315	2	-0.02	0.20	-1.16e-04	0.0	0.0	-11.39	-0.01	-0.04	0.0	0.20	-0.02
		-0.03	0.15	1.70e-04	0.0	120.0	-10.44	-0.01	-0.04	0.0	0.15	-0.03
315	3	-1.11e-03	0.09	-5.00e-05	0.0	0.0	-6.78	-0.01	-0.03	0.0	0.09	-1.11e-03
		-0.02	0.05	7.72e-05	0.0	120.0	-6.05	-0.01	-0.03	0.0	0.05	-0.02
315	6	-0.02	0.21	-1.09e-04	0.0	0.0	-11.20	-0.01	-0.03	0.0	0.21	-0.02
		-0.03	0.17	1.68e-04	0.0	120.0	-10.25	-0.01	-0.03	0.0	0.17	-0.03
315	7	-3.33e-03	0.12	-5.33e-05	0.0	0.0	-6.70	-9.41e-03	-0.02	0.0	0.12	-3.33e-03
		-0.01	0.10	9.98e-05	0.0	120.0	-5.97	-9.41e-03	-0.02	0.0	0.10	-0.01
315	9	-2.73e-03	0.07	-5.62e-05	0.0	0.0	-7.78	-0.01	-0.03	0.0	0.07	-2.73e-03
		-0.02	0.04	6.53e-05	0.0	120.0	-7.05	-0.01	-0.03	0.0	0.04	-0.02
315	10	-0.01	0.14	-7.90e-05	0.0	0.0	-8.00	-0.01	-0.04	0.0	0.14	-0.01
		-0.02	0.10	1.19e-04	0.0	120.0	-7.27	-0.01	-0.04	0.0	0.10	-0.02
315	11	-4.21e-03	0.09	-5.84e-05	0.0	0.0	-7.73	-0.01	-0.02	0.0	0.09	-4.21e-03
		-0.02	0.06	8.03e-05	0.0	120.0	-6.99	-0.01	-0.02	0.0	0.06	-0.02
315	12	-9.48e-03	0.14	-7.43e-05	0.0	0.0	-7.88	-9.66e-03	-0.03	0.0	0.14	-9.48e-03
		-0.02	0.11	1.18e-04	0.0	120.0	-7.15	-9.66e-03	-0.03	0.0	0.11	-0.02
315	13	-5.02e-04	0.04	-5.30e-05	0.0	0.0	-7.86	-0.02	-0.04	0.0	0.04	-5.02e-04
		-0.02	-7.21e-03	4.27e-05	0.0	120.0	-7.13	-0.02	-0.04	0.0	-7.21e-03	-0.02
315	14	-4.26e-03	0.07	-6.43e-05	0.0	0.0	-7.97	-0.01	-0.04	0.0	0.07	-4.26e-03
		-0.02	0.02	6.96e-05	0.0	120.0	-7.24	-0.01	-0.04	0.0	0.02	-0.02
315	15	-1.24e-03	0.05	-5.41e-05	0.0	0.0	-7.84	-0.01	-0.04	0.0	0.05	-1.24e-03
		-0.02	7.19e-03	5.02e-05	0.0	120.0	-7.11	-0.01	-0.04	0.0	7.19e-03	-0.02
315	17	-5.02e-04	0.04	-5.30e-05	0.0	0.0	-7.86	-0.02	-0.04	0.0	0.04	-5.02e-04
		-0.02	-7.21e-03	4.27e-05	0.0	120.0	-7.13	-0.02	-0.04	0.0	-7.21e-03	-0.02
315	18	-2.76e-03	0.06	-5.98e-05	0.0	0.0	-7.93	-0.01	-0.04	0.0	0.06	-2.76e-03
		-0.02	0.01	5.88e-05	0.0	120.0	-7.20	-0.01	-0.04	0.0	0.01	-0.02
315	19	-0.10	0.81	-4.23e-04	0.0	0.0	-23.04	0.04	-0.37	0.0	0.81	-0.10
		-0.15	-1.67	6.80e-04	0.0	120.0	-22.31	0.04	-0.37	0.0	-1.67	-0.15
315	22	0.11	1.69	3.03e-04	0.0	0.0	7.18	-0.07	0.29	0.0	-0.69	0.09
		0.09	-0.69	-5.62e-04	0.0	120.0	7.91	-0.07	0.29	0.0	1.69	0.11
315	40	0.02	2.49	-6.99e-04	0.0	0.0	-2.90	0.18	-0.87	0.0	2.49	-0.25
		-0.25	1.75	2.25e-03	0.0	120.0	-2.17	0.18	-0.87	0.0	1.75	0.02
315	41	0.24	-1.73	5.80e-04	0.0	0.0	-12.96	-0.21	0.79	0.0	-2.37	0.24
		-0.07	-2.37	-2.13e-03	0.0	120.0	-12.23	-0.21	0.79	0.0	-1.73	-0.07
315	51	-0.08	0.62	-3.31e-04	0.0	0.0	-18.98	0.03	-0.29	0.0	0.62	-0.08
		-0.12	-1.24	5.26e-04	0.0	120.0	-18.25	0.03	-0.29	0.0	-1.24	-0.12
315	54	0.08	1.27	2.11e-04	0.0	0.0	3.12	-0.06	0.21	0.0	-0.50	0.07
		0.07	-0.50	-4.09e-04	0.0	120.0	3.85	-0.06	0.21	0.0	1.27	0.08
315	72	0.01	1.90	-5.40e-04	0.0	0.0	-4.30	0.13	-0.68	0.0	1.90	-0.19
		-0.19	1.33	1.72e-03	0.0	120.0	-3.56	0.13	-0.68	0.0	1.33	0.01
315	73	0.18	-1.31	4.20e-04	0.0	0.0	-11.56	-0.16	0.60	0.0	-1.78	0.18
		-0.05	-1.78	-1.60e-03	0.0	120.0	-10.83	-0.16	0.60	0.0	-1.31	-0.05
315	83	-0.07	0.56	-3.00e-04	0.0	0.0	-17.70	0.02	-0.26	0.0	0.56	-0.07
		-0.10	-1.10	4.74e-04	0.0	120.0	-16.97	0.02	-0.26	0.0	-1.10	-0.10
315	86	0.06	1.12	1.80e-04	0.0	0.0	1.84	-0.05	0.18	0.0	-0.44	0.06
		0.06	-0.44	-3.56e-04	0.0	120.0	2.57	-0.05	0.18	0.0	1.12	0.06
315	104	8.37e-03	1.69	-4.86e-04	0.0	0.0	-4.72	0.11	-0.61	0.0	1.69	-0.17
		-0.17	1.19	1.53e-03	0.0	120.0	-3.99	0.11	-0.61	0.0	1.19	8.37e-03
315	105	0.16	-1.16	3.66e-04	0.0	0.0	-11.14	-0.14	0.53	0.0	-1.57	0.16
		-0.05	-1.57	-1.41e-03	0.0	120.0	-10.41	-0.14	0.53	0.0	-1.16	-0.05
315	115	-0.12	0.96	-4.95e-04	0.0	0.0	-26.03	0.06	-0.44	0.0	0.96	-0.12
		-0.18	-2.00	8.08e-04	0.0	120.0	-25.30	0.06	-0.44	0.0	-2.00	-0.18
315	118	0.14	2.02	3.76e-04	0.0	0.0	10.17	-0.09	0.36	0.0	-0.84	0.11
		0.11	-0.84	-6.90e-04	0.0	120.0	10.90	-0.09	0.36	0.0	2.02	0.14
315	136	0.03	2.99	-8.31e-04	0.0	0.0	-1.88	0.22	-1.04	0.0	2.99	-0.30
		-0.30	2.10	2.70e-03	0.0	120.0	-1.15	0.22	-1.04	0.0	2.10	0.03
315	137	0.30	-2.07	7.12e-04	0.0	0.0	-13.98	-0.25	0.96	0.0	-2.87	0.30
		-0.07	-2.87	-2.59e-03	0.0	120.0	-13.24	-0.25	0.96	0.0	-2.07	-0.07
316	3	-1.52e-04	3.77e-03	-1.20e-05	0.0	0.0	-14.82	0.06	0.11	-2.87e-04	-0.13	-0.07
		-0.07	-0.13	-9.40e-06	0.0	120.0	-14.11	0.06	0.11	-2.87e-04	3.77e-03	-1.52e-04
316	6	-0.03	-0.01	-1.98e-05	0.0	0.0	-21.16	0.07	0.16	-1.20e-03	-0.20	-0.11
		-0.11	-0.20	-1.66e-05	0.0	120.0	-20.23	0.07	0.16	-1.20e-03	-0.01	-0.03
316	9	6.71e-04	1.81e-03	-1.11e-05	0.0	0.0	-14.57	0.06	0.12	-1.83e-04	-0.14	-0.08
		-0.08	-0.14	-1.05e-05	0.0	120.0	-13.85	0.06	0.12	-1.83e-04	1.81e-03	6.71e-04
316	12	-0.02	-6.45e-03	-1.44e-05	0.0	0.0	-15.84	0.05	0.12	-7.91e-04	-0.14	-0.08

		-0.08	-0.14	-1.14e-05	0.0	120.0	-15.13	0.05	0.12	-7.91e-04	-6.45e-03	-0.02
316	13	7.50e-03	4.70e-03	-9.20e-06	0.0	0.0	-13.76	0.07	0.12	3.70e-05	-0.13	-0.07
		-0.07	-0.13	-9.72e-06	0.0	120.0	-13.05	0.07	0.12	3.70e-05	4.70e-03	7.50e-03
316	16	-6.32e-04	1.02e-03	-1.07e-05	0.0	0.0	-14.35	0.06	0.11	-2.34e-04	-0.14	-0.08
		-0.08	-0.14	-1.02e-05	0.0	120.0	-13.64	0.06	0.11	-2.34e-04	1.02e-03	-6.32e-04
316	17	7.50e-03	4.70e-03	-9.20e-06	0.0	0.0	-13.76	0.07	0.12	3.70e-05	-0.13	-0.07
		-0.07	-0.13	-9.72e-06	0.0	120.0	-13.05	0.07	0.12	3.70e-05	4.70e-03	7.50e-03
316	18	1.64e-03	1.99e-03	-1.00e-05	0.0	0.0	-14.08	0.06	0.11	-1.61e-04	-0.14	-0.07
		-0.07	-0.14	-9.93e-06	0.0	120.0	-13.37	0.06	0.11	-1.61e-04	1.99e-03	1.64e-03
316	20	-0.25	-0.36	5.47e-05	0.0	0.0	49.47	-0.30	0.05	-0.02	-0.42	-0.25
		-0.73	-0.42	-1.50e-04	0.0	120.0	50.18	-0.30	0.05	-0.02	-0.36	-0.73
316	25	0.72	0.37	-8.10e-05	0.0	0.0	-82.36	0.42	0.18	0.02	0.14	0.10
		0.10	0.14	1.32e-04	0.0	120.0	-81.64	0.42	0.18	0.02	0.37	0.72
316	35	0.41	0.10	1.79e-04	0.0	0.0	104.31	-0.07	-0.28	0.02	-0.02	0.16
		0.16	-0.02	-1.47e-04	0.0	120.0	105.03	-0.07	-0.28	0.02	0.10	0.41
316	36	-0.36	-0.29	-1.32e-04	0.0	0.0	-77.94	-0.03	0.41	-0.03	-0.39	-0.36
		-0.74	-0.39	2.76e-05	0.0	120.0	-77.23	-0.03	0.41	-0.03	-0.29	-0.74
316	37	0.75	0.29	1.12e-04	0.0	0.0	49.78	0.15	-0.18	0.03	0.12	0.21
		0.21	0.12	-4.74e-05	0.0	120.0	50.49	0.15	-0.18	0.03	0.29	0.75
316	38	-0.30	-0.10	-1.99e-04	0.0	0.0	-132.47	0.20	0.51	-0.02	-0.25	-0.30
		-0.41	-0.25	1.27e-04	0.0	120.0	-131.76	0.20	0.51	-0.02	-0.10	-0.41
316	52	-0.21	-0.27	3.81e-05	0.0	0.0	33.07	-0.21	0.07	-0.02	-0.35	-0.21
		-0.55	-0.35	-1.16e-04	0.0	120.0	33.78	-0.21	0.07	-0.02	-0.27	-0.55
316	57	0.54	0.28	-6.27e-05	0.0	0.0	-64.71	0.34	0.16	0.02	0.08	0.06
		0.06	0.08	9.72e-05	0.0	120.0	-63.99	0.34	0.16	0.02	0.28	0.54
316	67	0.31	0.08	1.32e-04	0.0	0.0	74.29	-0.03	-0.18	0.02	-0.04	0.10
		0.10	-0.04	-1.12e-04	0.0	120.0	75.00	-0.03	-0.18	0.02	0.08	0.31
316	68	-0.29	-0.21	-1.03e-04	0.0	0.0	-61.91	-7.22e-03	0.34	-0.02	-0.33	-0.29
		-0.56	-0.33	1.68e-05	0.0	120.0	-61.19	-7.22e-03	0.34	-0.02	-0.21	-0.56
316	69	0.56	0.22	8.25e-05	0.0	0.0	33.74	0.13	-0.11	0.02	0.06	0.14
		0.14	0.06	-3.67e-05	0.0	120.0	34.46	0.13	-0.11	0.02	0.22	0.56
316	70	-0.25	-0.08	-1.52e-04	0.0	0.0	-102.45	0.16	0.41	-0.02	-0.23	-0.25
		-0.31	-0.23	9.19e-05	0.0	120.0	-101.74	0.16	0.41	-0.02	-0.08	-0.31
316	84	-0.19	-0.24	3.26e-05	0.0	0.0	27.67	-0.18	0.08	-0.02	-0.33	-0.19
		-0.49	-0.33	-1.04e-04	0.0	120.0	28.38	-0.18	0.08	-0.02	-0.24	-0.49
316	89	0.48	0.25	-5.67e-05	0.0	0.0	-58.92	0.30	0.16	0.02	0.05	0.04
		0.04	0.05	8.51e-05	0.0	120.0	-58.20	0.30	0.16	0.02	0.25	0.48
316	99	0.28	0.07	1.16e-04	0.0	0.0	64.27	-0.02	-0.15	0.01	-0.05	0.08
		0.08	-0.05	-1.00e-04	0.0	120.0	64.99	-0.02	-0.15	0.01	0.07	0.28
316	100	-0.27	-0.19	-9.22e-05	0.0	0.0	-56.51	4.02e-04	0.31	-0.02	-0.31	-0.27
		-0.50	-0.31	1.37e-05	0.0	120.0	-55.80	4.02e-04	0.31	-0.02	-0.19	-0.50
316	101	0.50	0.19	7.21e-05	0.0	0.0	28.35	0.13	-0.08	0.02	0.04	0.12
		0.12	0.04	-3.35e-05	0.0	120.0	29.06	0.13	-0.08	0.02	0.19	0.50
316	102	-0.23	-0.07	-1.36e-04	0.0	0.0	-92.44	0.15	0.38	-0.01	-0.22	-0.23
		-0.27	-0.22	8.03e-05	0.0	120.0	-91.72	0.15	0.38	-0.01	-0.07	-0.27
316	116	-0.29	-0.44	6.75e-05	0.0	0.0	61.58	-0.37	0.04	-0.03	-0.47	-0.29
		-0.88	-0.47	-1.76e-04	0.0	120.0	62.29	-0.37	0.04	-0.03	-0.44	-0.88
316	121	0.87	0.45	-9.52e-05	0.0	0.0	-95.51	0.50	0.19	0.03	0.20	0.14
		0.14	0.20	1.59e-04	0.0	120.0	-94.79	0.50	0.19	0.03	0.45	0.87
316	131	0.50	0.13	2.18e-04	0.0	0.0	128.06	-0.10	-0.36	0.03	8.95e-03	0.20
		0.20	8.95e-03	-1.73e-04	0.0	120.0	128.77	-0.10	-0.36	0.03	0.13	0.50
316	132	-0.42	-0.34	-1.58e-04	0.0	0.0	-91.10	-0.05	0.47	-0.04	-0.44	-0.42
		-0.90	-0.44	3.50e-05	0.0	120.0	-90.39	-0.05	0.47	-0.04	-0.34	-0.90
316	133	0.90	0.35	1.38e-04	0.0	0.0	62.94	0.17	-0.24	0.04	0.17	0.27
		0.27	0.17	-5.48e-05	0.0	120.0	63.65	0.17	-0.24	0.04	0.35	0.90
316	134	-0.35	-0.12	-2.38e-04	0.0	0.0	-156.22	0.22	0.59	-0.03	-0.28	-0.35
		-0.49	-0.28	1.53e-04	0.0	120.0	-155.51	0.22	0.59	-0.03	-0.12	-0.49
317	3	-1.39e-03	-0.03	-1.97e-05	0.0	0.0	-8.33	-0.03	-5.79e-03	-1.17e-03	-0.03	-1.39e-03
		-0.04	-0.04	-3.36e-05	0.0	120.0	-7.62	-0.03	-5.79e-03	-1.17e-03	-0.04	-0.04
317	6	-0.02	-0.06	-4.29e-05	0.0	0.0	-11.67	-0.04	-4.83e-03	-3.02e-03	-0.06	-0.02
		-0.07	-0.07	-5.77e-05	0.0	120.0	-10.75	-0.04	-4.83e-03	-3.02e-03	-0.07	-0.07
317	9	-1.05e-03	-0.04	-1.63e-05	0.0	0.0	-8.22	-0.04	-6.76e-03	-9.36e-04	-0.04	-1.05e-03
		-0.04	-0.05	-3.94e-05	0.0	120.0	-7.51	-0.04	-6.76e-03	-9.36e-04	-0.05	-0.04
317	12	-0.01	-0.04	-3.01e-05	0.0	0.0	-8.79	-0.03	-3.85e-03	-2.07e-03	-0.04	-0.01
		-0.05	-0.05	-3.96e-05	0.0	120.0	-8.07	-0.03	-3.85e-03	-2.07e-03	-0.05	-0.05
317	13	3.18e-03	-0.03	-1.00e-05	0.0	0.0	-7.87	-0.04	-7.56e-03	-4.61e-04	-0.03	3.18e-03
		-0.04	-0.04	-3.89e-05	0.0	120.0	-7.16	-0.04	-7.56e-03	-4.61e-04	-0.04	-0.04
317	14	-3.19e-03	-0.04	-1.69e-05	0.0	0.0	-8.11	-0.03	-5.87e-03	-1.04e-03	-0.04	-3.19e-03
		-0.04	-0.05	-3.88e-05	0.0	120.0	-7.40	-0.03	-5.87e-03	-1.04e-03	-0.05	-0.04
317	16	-2.05e-03	-0.04	-1.63e-05	0.0	0.0	-8.13	-0.04	-6.28e-03	-9.70e-04	-0.04	-2.05e-03
		-0.04	-0.05	-3.90e-05	0.0	120.0	-7.42	-0.04	-6.28e-03	-9.70e-04	-0.05	-0.04
317	17	3.18e-03	-0.03	-1.00e-05	0.0	0.0	-7.87	-0.04	-7.56e-03	-4.61e-04	-0.03	3.18e-03
		-0.04	-0.04	-3.89e-05	0.0	120.0	-7.16	-0.04	-7.56e-03	-4.61e-04	-0.04	-0.04
317	18	-6.42e-04	-0.04	-1.42e-05	0.0	0.0	-8.02	-0.04	-6.55e-03	-8.11e-04	-0.04	-6.42e-04
		-0.04	-0.04	-3.88e-05	0.0	120.0	-7.30	-0.04	-6.55e-03	-8.11e-04	-0.04	-0.04

317	19	-0.02	-0.20	-1.92e-04	0.0	0.0	44.31	0.14	0.05	-0.01	-0.20	-0.22
		-0.22	-0.20	-4.97e-04	0.0	120.0	45.02	0.14	0.05	-0.01	-0.20	-0.02
317	20	-0.14	-0.24	-5.05e-04	0.0	0.0	20.41	0.23	0.10	-0.04	-0.32	-0.42
		-0.42	-0.32	-3.53e-04	0.0	120.0	21.12	0.23	0.10	-0.04	-0.24	-0.14
317	21	0.42	0.25	4.77e-04	0.0	0.0	-36.44	-0.30	-0.11	0.04	0.25	0.42
		0.05	0.15	2.76e-04	0.0	120.0	-35.72	-0.30	-0.11	0.04	0.15	0.05
317	22	0.22	0.13	1.63e-04	0.0	0.0	-60.34	-0.21	-0.07	0.01	0.13	0.22
		-0.07	0.11	4.19e-04	0.0	120.0	-59.63	-0.21	-0.07	0.01	0.11	-0.07
317	36	-0.25	-0.17	-6.37e-04	0.0	0.0	-35.74	0.19	0.10	-0.05	-0.30	-0.44
		-0.44	-0.30	8.39e-05	0.0	120.0	-35.03	0.19	0.10	-0.05	-0.17	-0.25
317	37	0.44	0.23	6.09e-04	0.0	0.0	19.71	-0.26	-0.11	0.05	0.23	0.44
		0.16	0.08	-1.62e-04	0.0	120.0	20.43	-0.26	-0.11	0.05	0.08	0.16
317	51	-0.02	-0.16	-1.48e-04	0.0	0.0	30.81	0.09	0.04	-0.01	-0.16	-0.17
		-0.17	-0.16	-3.80e-04	0.0	120.0	31.52	0.09	0.04	-0.01	-0.16	-0.02
317	52	-0.11	-0.19	-3.85e-04	0.0	0.0	12.97	0.17	0.07	-0.03	-0.25	-0.32
		-0.32	-0.25	-2.75e-04	0.0	120.0	13.68	0.17	0.07	-0.03	-0.19	-0.11
317	53	0.32	0.18	3.56e-04	0.0	0.0	-29.00	-0.24	-0.09	0.03	0.18	0.32
		0.03	0.10	1.97e-04	0.0	120.0	-28.29	-0.24	-0.09	0.03	0.10	0.03
317	54	0.16	0.09	1.19e-04	0.0	0.0	-46.84	-0.16	-0.05	9.83e-03	0.09	0.16
		-0.06	0.07	3.03e-04	0.0	120.0	-46.12	-0.16	-0.05	9.83e-03	0.07	-0.06
317	72	-0.20	-0.14	-4.91e-04	0.0	0.0	-29.40	0.13	0.07	-0.04	-0.23	-0.33
		-0.33	-0.23	6.12e-05	0.0	120.0	-28.68	0.13	0.07	-0.04	-0.14	-0.20
317	73	0.33	0.16	4.63e-04	0.0	0.0	13.37	-0.20	-0.08	0.04	0.16	0.33
		0.11	0.05	-1.39e-04	0.0	120.0	14.08	-0.20	-0.08	0.04	0.05	0.11
317	83	-0.03	-0.14	-1.33e-04	0.0	0.0	26.37	0.08	0.03	-0.01	-0.15	-0.15
		-0.15	-0.15	-3.42e-04	0.0	120.0	27.09	0.08	0.03	-0.01	-0.14	-0.03
317	84	-0.11	-0.17	-3.43e-04	0.0	0.0	10.56	0.14	0.06	-0.03	-0.22	-0.28
		-0.28	-0.22	-2.48e-04	0.0	120.0	11.27	0.14	0.06	-0.03	-0.17	-0.11
317	85	0.28	0.15	3.15e-04	0.0	0.0	-26.59	-0.21	-0.08	0.03	0.15	0.28
		0.02	0.08	1.71e-04	0.0	120.0	-25.87	-0.21	-0.08	0.03	0.08	0.02
317	86	0.15	0.07	1.04e-04	0.0	0.0	-42.40	-0.15	-0.05	8.63e-03	0.07	0.15
		-0.06	0.06	2.64e-04	0.0	120.0	-41.69	-0.15	-0.05	8.63e-03	0.06	-0.06
317	104	-0.18	-0.13	-4.38e-04	0.0	0.0	-26.97	0.11	0.06	-0.04	-0.21	-0.29
		-0.29	-0.21	4.95e-05	0.0	120.0	-26.26	0.11	0.06	-0.04	-0.13	-0.18
317	105	0.29	0.14	4.09e-04	0.0	0.0	10.94	-0.19	-0.07	0.03	0.14	0.29
		0.10	0.04	-1.27e-04	0.0	120.0	11.65	-0.19	-0.07	0.03	0.04	0.10
317	115	-0.01	-0.23	-2.28e-04	0.0	0.0	54.59	0.17	0.06	-0.02	-0.23	-0.26
		-0.26	-0.23	-5.84e-04	0.0	120.0	55.31	0.17	0.06	-0.02	-0.23	-0.01
317	116	-0.16	-0.28	-6.06e-04	0.0	0.0	25.85	0.29	0.12	-0.05	-0.38	-0.51
		-0.51	-0.38	-4.13e-04	0.0	120.0	26.57	0.29	0.12	-0.05	-0.28	-0.16
317	117	0.51	0.30	5.78e-04	0.0	0.0	-41.88	-0.36	-0.13	0.05	0.30	0.51
		0.07	0.19	3.35e-04	0.0	120.0	-41.17	-0.36	-0.13	0.05	0.19	0.07
317	118	0.26	0.16	2.00e-04	0.0	0.0	-70.62	-0.24	-0.08	0.02	0.16	0.26
		-0.07	0.14	5.06e-04	0.0	120.0	-69.91	-0.24	-0.08	0.02	0.14	-0.07
317	132	-0.29	-0.19	-7.66e-04	0.0	0.0	-41.44	0.24	0.12	-0.06	-0.35	-0.53
		-0.53	-0.35	1.08e-04	0.0	120.0	-40.73	0.24	0.12	-0.06	-0.19	-0.29
317	133	0.53	0.28	7.37e-04	0.0	0.0	25.41	-0.31	-0.13	0.06	0.28	0.53
		0.21	0.10	-1.86e-04	0.0	120.0	26.13	-0.31	-0.13	0.06	0.10	0.21
318	2	-0.01	-0.03	-5.10e-05	0.0	0.0	-4.62	-0.02	0.01	-2.14e-03	-0.04	-0.01
		-0.04	-0.04	-7.63e-05	0.0	120.0	-3.69	-0.02	0.01	-2.14e-03	-0.03	-0.04
318	3	-2.53e-03	-0.02	-2.30e-05	0.0	0.0	-3.44	-0.02	7.64e-03	-6.72e-04	-0.02	-2.53e-03
		-0.03	-0.02	-4.53e-05	0.0	120.0	-2.73	-0.02	7.64e-03	-6.72e-04	-0.02	-0.03
318	6	-0.01	-0.03	-5.06e-05	0.0	0.0	-4.66	-0.02	0.01	-1.83e-03	-0.04	-0.01
		-0.04	-0.04	-7.69e-05	0.0	120.0	-3.73	-0.02	0.01	-1.83e-03	-0.03	-0.04
318	9	-2.15e-03	-0.02	-1.91e-05	0.0	0.0	-3.43	-0.02	6.72e-03	-5.96e-04	-0.03	-2.15e-03
		-0.03	-0.03	-5.31e-05	0.0	120.0	-2.72	-0.02	6.72e-03	-5.96e-04	-0.02	-0.03
318	10	-8.25e-03	-0.02	-3.59e-05	0.0	0.0	-3.51	-0.02	8.81e-03	-1.51e-03	-0.03	-8.25e-03
		-0.03	-0.03	-5.26e-05	0.0	120.0	-2.79	-0.02	8.81e-03	-1.51e-03	-0.02	-0.03
318	12	-7.77e-03	-0.02	-3.56e-05	0.0	0.0	-3.54	-0.02	8.87e-03	-1.30e-03	-0.03	-7.77e-03
		-0.03	-0.03	-5.30e-05	0.0	120.0	-2.82	-0.02	8.87e-03	-1.30e-03	-0.02	-0.03
318	13	-1.35e-04	-0.02	-1.20e-05	0.0	0.0	-3.35	-0.02	5.69e-03	-4.96e-04	-0.02	-1.35e-04
		-0.03	-0.02	-5.26e-05	0.0	120.0	-2.64	-0.02	5.69e-03	-4.96e-04	-0.02	-0.03
318	14	-3.18e-03	-0.02	-2.04e-05	0.0	0.0	-3.39	-0.02	6.73e-03	-9.54e-04	-0.03	-3.18e-03
		-0.03	-0.03	-5.24e-05	0.0	120.0	-2.68	-0.02	6.73e-03	-9.54e-04	-0.02	-0.03
318	16	-2.64e-03	-0.02	-1.94e-05	0.0	0.0	-3.40	-0.02	6.66e-03	-8.04e-04	-0.03	-2.64e-03
		-0.03	-0.03	-5.26e-05	0.0	120.0	-2.69	-0.02	6.66e-03	-8.04e-04	-0.02	-0.03
318	17	-1.35e-04	-0.02	-1.20e-05	0.0	0.0	-3.35	-0.02	5.69e-03	-4.96e-04	-0.02	-1.35e-04
		-0.03	-0.02	-5.26e-05	0.0	120.0	-2.64	-0.02	5.69e-03	-4.96e-04	-0.02	-0.03
318	18	-1.96e-03	-0.02	-1.70e-05	0.0	0.0	-3.38	-0.02	6.32e-03	-7.71e-04	-0.02	-1.96e-03
		-0.03	-0.02	-5.25e-05	0.0	120.0	-2.66	-0.02	6.32e-03	-7.71e-04	-0.02	-0.03
318	19	-5.01e-03	-0.11	-2.20e-04	0.0	0.0	12.32	0.09	6.06e-03	-6.30e-03	-0.11	-0.11
		-0.11	-0.11	-5.73e-04	0.0	120.0	13.04	0.09	6.06e-03	-6.30e-03	-0.11	-5.01e-03
318	22	0.10	0.08	1.86e-04	0.0	0.0	-19.08	-0.13	6.57e-03	4.76e-03	0.06	0.10
		-0.05	0.06	4.68e-04	0.0	120.0	-18.36	-0.13	6.57e-03	4.76e-03	0.08	-0.05
318	36	-0.13	-0.07	-7.32e-04	0.0	0.0	-10.34	0.05	0.11	-0.02	-0.19	-0.20

		-0.20	-0.19	9.55e-05	0.0	120.0	-9.62	0.05	0.11	-0.02	-0.07	-0.13
318	37	0.20	0.14	6.98e-04	0.0	0.0	3.58	-0.09	-0.10	0.02	0.14	0.20
		0.07	0.03	-2.01e-04	0.0	120.0	4.30	-0.09	-0.10	0.02	0.03	0.07
318	51	-0.01	-0.09	-1.70e-04	0.0	0.0	8.18	0.06	7.07e-03	-5.00e-03	-0.09	-0.08
		-0.08	-0.09	-4.40e-04	0.0	120.0	8.90	0.06	7.07e-03	-5.00e-03	-0.09	-0.01
318	54	0.08	0.05	1.36e-04	0.0	0.0	-14.94	-0.10	5.56e-03	3.46e-03	0.04	0.08
		-0.04	0.04	3.35e-04	0.0	120.0	-14.22	-0.10	5.56e-03	3.46e-03	0.05	-0.04
318	68	-0.10	-0.06	-5.57e-04	0.0	0.0	-8.55	0.03	0.09	-0.01	-0.15	-0.15
		-0.15	-0.15	5.55e-05	0.0	120.0	-7.84	0.03	0.09	-0.01	-0.06	-0.10
318	69	0.15	0.10	5.23e-04	0.0	0.0	1.80	-0.08	-0.07	0.01	0.10	0.15
		0.05	0.02	-1.60e-04	0.0	120.0	2.51	-0.08	-0.07	0.01	0.02	0.05
318	83	-0.01	-0.08	-1.53e-04	0.0	0.0	6.85	0.05	7.08e-03	-4.53e-03	-0.08	-0.07
		-0.07	-0.08	-3.96e-04	0.0	120.0	7.57	0.05	7.08e-03	-4.53e-03	-0.08	-0.01
318	86	0.07	0.04	1.19e-04	0.0	0.0	-13.61	-0.09	5.55e-03	2.99e-03	0.03	0.07
		-0.04	0.03	2.91e-04	0.0	120.0	-12.89	-0.09	5.55e-03	2.99e-03	0.04	-0.04
318	100	-0.09	-0.05	-4.97e-04	0.0	0.0	-7.96	0.03	0.08	-0.01	-0.13	-0.14
		-0.14	-0.13	4.30e-05	0.0	120.0	-7.25	0.03	0.08	-0.01	-0.05	-0.09
318	101	0.13	0.08	4.63e-04	0.0	0.0	1.21	-0.07	-0.07	0.01	0.08	0.13
		0.04	0.02	-1.48e-04	0.0	120.0	1.92	-0.07	-0.07	0.01	0.02	0.04
318	115	-8.36e-04	-0.13	-2.62e-04	0.0	0.0	15.41	0.11	6.02e-03	-7.40e-03	-0.13	-0.13
		-0.13	-0.13	-6.73e-04	0.0	120.0	16.13	0.11	6.02e-03	-7.40e-03	-0.13	-8.36e-04
318	118	0.12	0.10	2.28e-04	0.0	0.0	-22.16	-0.15	6.61e-03	5.86e-03	0.08	0.12
		-0.05	0.08	5.68e-04	0.0	120.0	-21.45	-0.15	6.61e-03	5.86e-03	0.10	-0.05
318	132	-0.15	-0.08	-8.80e-04	0.0	0.0	-11.75	0.07	0.14	-0.02	-0.22	-0.24
		-0.24	-0.22	1.25e-04	0.0	120.0	-11.03	0.07	0.14	-0.02	-0.08	-0.15
318	133	0.24	0.17	8.46e-04	0.0	0.0	5.00	-0.11	-0.12	0.02	0.17	0.24
		0.09	0.04	-2.30e-04	0.0	120.0	5.71	-0.11	-0.12	0.02	0.04	0.09
319	1	0.02	0.03	8.14e-05	0.0	0.0	-3.70	-4.34e-03	0.03	-7.86e-04	-3.77e-03	0.02
		0.02	-3.77e-03	-2.80e-05	0.0	120.0	-2.77	-4.34e-03	0.03	-7.86e-04	0.03	0.02
319	2	0.03	0.02	1.16e-04	0.0	0.0	-2.41	-5.16e-03	0.02	-2.14e-03	-3.67e-04	0.03
		0.02	-3.67e-04	-5.27e-05	0.0	120.0	-1.49	-5.16e-03	0.02	-2.14e-03	0.02	0.02
319	3	0.01	0.02	4.99e-05	0.0	0.0	-2.66	-4.05e-03	0.02	-6.75e-04	-4.95e-03	0.01
		9.56e-03	-4.95e-03	-2.46e-05	0.0	120.0	-1.95	-4.05e-03	0.02	-6.75e-04	0.02	9.56e-03
319	4	0.02	0.01	8.40e-05	0.0	0.0	-1.37	-4.87e-03	0.01	-2.03e-03	-1.54e-03	0.02
		0.01	-1.54e-03	-4.93e-05	0.0	120.0	-0.66	-4.87e-03	0.01	-2.03e-03	0.01	0.01
319	7	0.01	0.02	5.31e-05	0.0	0.0	-2.42	-3.46e-03	0.02	-7.77e-04	-5.30e-03	0.01
		9.75e-03	-5.30e-03	-3.17e-05	0.0	120.0	-1.71	-3.46e-03	0.02	-7.77e-04	0.02	9.75e-03
319	9	0.02	0.02	5.61e-05	0.0	0.0	-2.84	-3.83e-03	0.02	-6.05e-04	-3.68e-03	0.02
		0.01	-3.68e-03	-2.08e-05	0.0	120.0	-2.12	-3.83e-03	0.02	-6.05e-04	0.02	0.01
319	10	0.02	0.02	7.88e-05	0.0	0.0	-1.98	-4.38e-03	0.01	-1.51e-03	-1.41e-03	0.02
		0.01	-1.41e-03	-3.72e-05	0.0	120.0	-1.27	-4.38e-03	0.01	-1.51e-03	0.02	0.01
319	11	0.02	0.02	5.83e-05	0.0	0.0	-2.68	-3.43e-03	0.02	-6.72e-04	-3.92e-03	0.02
		0.01	-3.92e-03	-2.55e-05	0.0	120.0	-1.96	-3.43e-03	0.02	-6.72e-04	0.02	0.01
319	13	0.02	0.02	5.29e-05	0.0	0.0	-3.07	-4.42e-03	0.02	-5.03e-04	-3.33e-03	0.02
		0.01	-3.33e-03	-1.37e-05	0.0	120.0	-2.36	-4.42e-03	0.02	-5.03e-04	0.02	0.01
319	14	0.02	0.02	6.43e-05	0.0	0.0	-2.65	-4.69e-03	0.02	-9.55e-04	-2.19e-03	0.02
		0.01	-2.19e-03	-2.19e-05	0.0	120.0	-1.93	-4.69e-03	0.02	-9.55e-04	0.02	0.01
319	15	0.02	0.02	5.40e-05	0.0	0.0	-3.00	-4.22e-03	0.02	-5.37e-04	-3.44e-03	0.02
		0.01	-3.44e-03	-1.61e-05	0.0	120.0	-2.28	-4.22e-03	0.02	-5.37e-04	0.02	0.01
319	17	0.02	0.02	5.29e-05	0.0	0.0	-3.07	-4.42e-03	0.02	-5.03e-04	-3.33e-03	0.02
		0.01	-3.33e-03	-1.37e-05	0.0	120.0	-2.36	-4.42e-03	0.02	-5.03e-04	0.02	0.01
319	18	0.02	0.02	5.97e-05	0.0	0.0	-2.82	-4.58e-03	0.02	-7.74e-04	-2.64e-03	0.02
		0.01	-2.64e-03	-1.86e-05	0.0	120.0	-2.10	-4.58e-03	0.02	-7.74e-04	0.02	0.01
319	22	3.32e-03	0.06	-3.05e-04	0.0	0.0	-13.13	0.07	0.15	4.32e-03	-0.15	-0.09
		-0.09	-0.15	1.85e-04	0.0	120.0	-12.41	0.07	0.15	4.32e-03	0.06	3.32e-03
319	23	0.13	0.13	4.30e-04	0.0	0.0	7.87	-0.08	-0.11	-6.00e-03	0.13	0.13
		0.02	-0.02	-2.45e-04	0.0	120.0	8.58	-0.08	-0.11	-6.00e-03	-0.02	0.02
319	26	3.44e-03	0.07	-3.11e-04	0.0	0.0	-13.50	0.07	0.15	4.45e-03	-0.14	-0.09
		-0.09	-0.14	2.07e-04	0.0	120.0	-12.79	0.07	0.15	4.45e-03	0.07	3.44e-03
319	40	0.03	-0.05	6.99e-04	0.0	0.0	22.96	0.10	-0.02	-0.02	-0.05	-0.02
		-0.02	-0.11	-7.39e-04	0.0	120.0	23.68	0.10	-0.02	-0.02	-0.11	0.03
319	41	0.06	0.15	-5.79e-04	0.0	0.0	-28.60	-0.11	0.06	0.02	0.05	0.06
		-7.56e-03	0.05	7.02e-04	0.0	120.0	-27.88	-0.11	0.06	0.02	0.15	-7.56e-03
319	54	5.64e-03	0.05	-2.12e-04	0.0	0.0	-10.56	0.05	0.12	3.12e-03	-0.11	-0.06
		-0.06	-0.11	1.35e-04	0.0	120.0	-9.85	0.05	0.12	3.12e-03	0.05	5.64e-03
319	55	0.10	0.10	3.36e-04	0.0	0.0	5.22	-0.06	-0.08	-4.77e-03	0.10	0.10
		0.02	-0.01	-1.88e-04	0.0	120.0	5.93	-0.06	-0.08	-4.77e-03	-0.01	0.02
319	58	5.70e-03	0.05	-2.17e-04	0.0	0.0	-10.85	0.05	0.12	3.23e-03	-0.10	-0.06
		-0.06	-0.10	1.51e-04	0.0	120.0	-10.14	0.05	0.12	3.23e-03	0.05	5.70e-03
319	72	0.03	-0.04	5.40e-04	0.0	0.0	16.67	0.08	-0.01	-0.01	-0.04	-8.95e-03
		-8.95e-03	-0.08	-5.64e-04	0.0	120.0	17.39	0.08	-0.01	-0.01	-0.08	0.03
319	73	0.04	0.12	-4.20e-04	0.0	0.0	-22.31	-0.09	0.05	0.01	0.03	0.04
		-2.54e-03	0.03	5.26e-04	0.0	120.0	-21.59	-0.09	0.05	0.01	0.12	-2.54e-03
319	86	6.42e-03	0.05	-1.81e-04	0.0	0.0	-9.68	0.04	0.11	2.68e-03	-0.10	-0.05
		-0.05	-0.10	1.17e-04	0.0	120.0	-8.97	0.04	0.11	2.68e-03	0.05	6.42e-03

319	87	0.09	0.08	3.05e-04	0.0	0.0	4.31	-0.05	-0.07	-4.33e-03	0.08	0.09
		0.02	-0.01	-1.69e-04	0.0	120.0	5.03	-0.05	-0.07	-4.33e-03	-0.01	0.02
319	90	6.47e-03	0.05	-1.85e-04	0.0	0.0	-9.95	0.04	0.11	2.78e-03	-0.09	-0.05
		-0.05	-0.09	1.32e-04	0.0	120.0	-9.23	0.04	0.11	2.78e-03	0.05	6.47e-03
319	104	0.03	-0.03	4.86e-04	0.0	0.0	14.49	0.07	-7.10e-03	-0.01	-0.03	-5.79e-03
		-5.79e-03	-0.07	-5.03e-04	0.0	120.0	15.21	0.07	-7.10e-03	-0.01	-0.07	0.03
319	105	0.04	0.11	-3.66e-04	0.0	0.0	-20.13	-0.08	0.05	0.01	0.03	0.04
		-8.38e-04	0.03	4.65e-04	0.0	120.0	-19.41	-0.08	0.05	0.01	0.11	-8.38e-04
319	118	1.30e-03	0.07	-3.77e-04	0.0	0.0	-15.24	0.08	0.18	5.34e-03	-0.17	-0.11
		-0.11	-0.17	2.27e-04	0.0	120.0	-14.52	0.08	0.18	5.34e-03	0.07	1.30e-03
319	119	0.15	0.16	5.04e-04	0.0	0.0	10.05	-0.09	-0.14	-7.06e-03	0.16	0.15
		0.02	-0.03	-2.91e-04	0.0	120.0	10.77	-0.09	-0.14	-7.06e-03	-0.03	0.02
319	122	1.46e-03	0.07	-3.84e-04	0.0	0.0	-15.69	0.08	0.18	5.51e-03	-0.16	-0.11
		-0.11	-0.16	2.54e-04	0.0	120.0	-14.97	0.08	0.18	5.51e-03	0.07	1.46e-03
319	136	0.04	-0.06	8.31e-04	0.0	0.0	28.33	0.13	-0.03	-0.02	-0.06	-0.03
		-0.03	-0.14	-8.88e-04	0.0	120.0	29.05	0.13	-0.03	-0.02	-0.14	0.04
319	137	0.06	0.18	-7.11e-04	0.0	0.0	-33.97	-0.13	0.06	0.02	0.06	0.06
		-0.01	0.06	8.50e-04	0.0	120.0	-33.25	-0.13	0.06	0.02	0.18	-0.01
320	1	0.05	0.05	6.34e-05	0.0	0.0	-8.17	0.01	0.05	-1.28e-03	-9.06e-03	0.04
		0.04	-9.06e-03	-2.72e-05	0.0	120.0	-7.24	0.01	0.05	-1.28e-03	0.05	0.05
320	2	0.06	0.04	9.14e-05	0.0	0.0	-4.17	9.12e-03	0.03	-2.90e-03	-3.71e-03	0.05
		0.05	-3.71e-03	-4.71e-05	0.0	120.0	-3.24	9.12e-03	0.03	-2.90e-03	0.04	0.06
320	4	0.04	0.02	6.74e-05	0.0	0.0	-1.71	6.00e-03	0.02	-2.75e-03	-6.58e-03	0.03
		0.03	-6.58e-03	-4.33e-05	0.0	120.0	-1.00	6.00e-03	0.02	-2.75e-03	0.02	0.04
320	7	0.03	0.03	4.20e-05	0.0	0.0	-4.92	7.42e-03	0.03	-1.58e-03	-0.01	0.02
		0.02	-0.01	-2.96e-05	0.0	120.0	-4.21	7.42e-03	0.03	-1.58e-03	0.03	0.03
320	9	0.04	0.03	4.39e-05	0.0	0.0	-6.27	7.68e-03	0.03	-9.07e-04	-8.87e-03	0.03
		0.03	-8.87e-03	-2.02e-05	0.0	120.0	-5.55	7.68e-03	0.03	-9.07e-04	0.03	0.04
320	10	0.04	0.03	6.26e-05	0.0	0.0	-3.61	6.80e-03	0.03	-1.99e-03	-5.30e-03	0.03
		0.03	-5.30e-03	-3.34e-05	0.0	120.0	-2.89	6.80e-03	0.03	-1.99e-03	0.03	0.04
320	11	0.04	0.03	4.56e-05	0.0	0.0	-5.75	7.75e-03	0.03	-1.21e-03	-9.44e-03	0.03
		0.03	-9.44e-03	-2.43e-05	0.0	120.0	-5.03	7.75e-03	0.03	-1.21e-03	0.03	0.04
320	13	0.04	0.04	4.14e-05	0.0	0.0	-7.05	7.56e-03	0.04	-4.54e-04	-8.01e-03	0.03
		0.03	-8.01e-03	-1.40e-05	0.0	120.0	-6.33	7.56e-03	0.04	-4.54e-04	0.04	0.04
320	14	0.04	0.03	5.07e-05	0.0	0.0	-5.72	7.13e-03	0.03	-9.94e-04	-6.23e-03	0.03
		0.03	-6.23e-03	-2.06e-05	0.0	120.0	-5.00	7.13e-03	0.03	-9.94e-04	0.03	0.04
320	15	0.04	0.03	4.22e-05	0.0	0.0	-6.79	7.60e-03	0.04	-6.05e-04	-8.30e-03	0.03
		0.03	-8.30e-03	-1.61e-05	0.0	120.0	-6.07	7.60e-03	0.04	-6.05e-04	0.03	0.04
320	17	0.04	0.04	4.14e-05	0.0	0.0	-7.05	7.56e-03	0.04	-4.54e-04	-8.01e-03	0.03
		0.03	-8.01e-03	-1.40e-05	0.0	120.0	-6.33	7.56e-03	0.04	-4.54e-04	0.04	0.04
320	18	0.04	0.03	4.70e-05	0.0	0.0	-6.25	7.30e-03	0.03	-7.78e-04	-6.94e-03	0.03
		0.03	-6.94e-03	-1.80e-05	0.0	120.0	-5.54	7.30e-03	0.03	-7.78e-04	0.03	0.04
320	19	0.31	0.32	3.53e-04	0.0	0.0	26.87	-0.12	-0.21	-0.01	0.32	0.31
		0.23	0.10	-1.98e-04	0.0	120.0	27.59	-0.12	-0.21	-0.01	0.10	0.23
320	22	-0.15	-0.04	-2.59e-04	0.0	0.0	-39.37	0.13	0.27	0.01	-0.34	-0.25
		-0.25	-0.34	1.62e-04	0.0	120.0	-38.66	0.13	0.27	0.01	-0.04	-0.15
320	40	0.10	-0.12	5.79e-04	0.0	0.0	79.10	0.17	-9.64e-03	-0.05	-0.12	-0.05
		-0.05	-0.19	-6.41e-04	0.0	120.0	79.81	0.17	-9.64e-03	-0.05	-0.19	0.10
320	41	0.11	0.25	-4.85e-04	0.0	0.0	-91.60	-0.15	0.08	0.05	0.11	0.11
		-0.02	0.11	6.05e-04	0.0	120.0	-90.88	-0.15	0.08	0.05	0.25	-0.02
320	51	0.23	0.24	2.76e-04	0.0	0.0	18.75	-0.08	-0.15	-0.01	0.24	0.23
		0.18	0.09	-1.53e-04	0.0	120.0	19.47	-0.08	-0.15	-0.01	0.09	0.18
320	54	-0.10	-0.02	-1.82e-04	0.0	0.0	-31.25	0.10	0.21	9.66e-03	-0.25	-0.17
		-0.17	-0.25	1.17e-04	0.0	120.0	-30.54	0.10	0.21	9.66e-03	-0.02	-0.10
320	72	0.08	-0.09	4.47e-04	0.0	0.0	58.34	0.13	-1.38e-04	-0.04	-0.09	-0.03
		-0.03	-0.13	-4.89e-04	0.0	120.0	59.06	0.13	-1.38e-04	-0.04	-0.13	0.08
320	73	0.08	0.20	-3.53e-04	0.0	0.0	-70.84	-0.11	0.07	0.04	0.07	0.08
		-6.16e-03	0.07	4.53e-04	0.0	120.0	-70.13	-0.11	0.07	0.04	0.20	-6.16e-03
320	83	0.21	0.21	2.50e-04	0.0	0.0	15.94	-0.07	-0.13	-0.01	0.21	0.21
		0.16	0.08	-1.38e-04	0.0	120.0	16.65	-0.07	-0.13	-0.01	0.08	0.16
320	86	-0.09	-0.01	-1.56e-04	0.0	0.0	-28.44	0.09	0.19	8.48e-03	-0.22	-0.15
		-0.15	-0.22	1.02e-04	0.0	120.0	-27.72	0.09	0.19	8.48e-03	-0.01	-0.09
320	104	0.08	-0.08	4.02e-04	0.0	0.0	51.12	0.11	3.53e-03	-0.03	-0.08	-0.02
		-0.02	-0.11	-4.36e-04	0.0	120.0	51.84	0.11	3.53e-03	-0.03	-0.11	0.08
320	105	0.08	0.18	-3.08e-04	0.0	0.0	-63.62	-0.10	0.06	0.03	0.07	0.08
		-1.31e-03	0.07	4.01e-04	0.0	120.0	-62.91	-0.10	0.06	0.03	0.18	-1.31e-03
320	115	0.36	0.39	4.13e-04	0.0	0.0	33.62	-0.14	-0.25	-0.02	0.39	0.36
		0.27	0.12	-2.35e-04	0.0	120.0	34.34	-0.14	-0.25	-0.02	0.12	0.27
320	118	-0.19	-0.05	-3.19e-04	0.0	0.0	-46.12	0.16	0.32	0.02	-0.40	-0.30
		-0.30	-0.40	1.99e-04	0.0	120.0	-45.41	0.16	0.32	0.02	-0.05	-0.19
320	136	0.11	-0.14	6.89e-04	0.0	0.0	96.86	0.20	-0.02	-0.06	-0.14	-0.07
		-0.07	-0.23	-7.69e-04	0.0	120.0	97.57	0.20	-0.02	-0.06	-0.23	0.11
320	137	0.12	0.30	-5.95e-04	0.0	0.0	-109.36	-0.19	0.09	0.06	0.13	0.12
		-0.03	0.13	7.33e-04	0.0	120.0	-108.65	-0.19	0.09	0.06	0.30	-0.03
321	1	0.07	0.04	0.0	0.0	0.0	0.67	-0.45	-0.26	0.0	0.04	0.07

		-0.11	-0.06	0.0	0.0	40.0	0.98	-0.45	-0.26	0.0	-0.06	-0.11
321	4	6.31e-03	0.06	0.0	0.0	0.0	0.03	-0.04	-0.37	0.0	0.06	6.31e-03
		-9.46e-03	-0.09	0.0	0.0	40.0	0.27	-0.04	-0.37	0.0	-0.09	-9.46e-03
321	6	0.04	0.07	0.0	0.0	0.0	0.30	-0.28	-0.46	0.0	0.07	0.04
		-0.07	-0.11	0.0	0.0	40.0	0.61	-0.28	-0.46	0.0	-0.11	-0.07
321	9	0.05	0.03	0.0	0.0	0.0	0.51	-0.32	-0.18	0.0	0.03	0.05
		-0.08	-0.04	0.0	0.0	40.0	0.75	-0.32	-0.18	0.0	-0.04	-0.08
321	10	0.03	0.05	0.0	0.0	0.0	0.24	-0.16	-0.29	0.0	0.05	0.03
		-0.04	-0.07	0.0	0.0	40.0	0.48	-0.16	-0.29	0.0	-0.07	-0.04
321	12	0.03	0.05	0.0	0.0	0.0	0.26	-0.20	-0.31	0.0	0.05	0.03
		-0.05	-0.08	0.0	0.0	40.0	0.50	-0.20	-0.31	0.0	-0.08	-0.05
321	13	0.05	0.02	0.0	0.0	0.0	0.60	-0.32	-0.09	0.0	0.02	0.05
		-0.08	-0.02	0.0	0.0	40.0	0.84	-0.32	-0.09	0.0	-0.02	-0.08
321	14	0.04	0.02	0.0	0.0	0.0	0.47	-0.24	-0.15	0.0	0.02	0.04
		-0.06	-0.04	0.0	0.0	40.0	0.71	-0.24	-0.15	0.0	-0.04	-0.06
321	16	0.04	0.02	0.0	0.0	0.0	0.49	-0.27	-0.15	0.0	0.02	0.04
		-0.07	-0.04	0.0	0.0	40.0	0.73	-0.27	-0.15	0.0	-0.04	-0.07
321	17	0.05	0.02	0.0	0.0	0.0	0.60	-0.32	-0.09	0.0	0.02	0.05
		-0.08	-0.02	0.0	0.0	40.0	0.84	-0.32	-0.09	0.0	-0.02	-0.08
321	18	0.04	0.02	0.0	0.0	0.0	0.52	-0.28	-0.13	0.0	0.02	0.04
		-0.07	-0.03	0.0	0.0	40.0	0.76	-0.28	-0.13	0.0	-0.03	-0.07
321	28	1.42	0.44	-1.48e-05	0.0	0.0	-8.40	5.91	-2.73	0.0	0.44	-0.95
		-0.95	-0.66	1.57e-05	0.0	40.0	-8.17	5.91	-2.73	0.0	-0.66	1.42
321	29	1.03	0.60	1.57e-05	0.0	0.0	9.45	-6.46	2.48	0.0	-0.40	1.03
		-1.55	-0.40	-1.59e-05	0.0	40.0	9.69	-6.46	2.48	0.0	0.60	-1.55
321	40	0.72	1.08	-1.56e-05	0.0	0.0	-9.57	3.01	-6.77	0.0	1.08	-0.48
		-0.48	-1.63	1.87e-05	0.0	40.0	-9.33	3.01	-6.77	0.0	-1.63	0.72
321	41	0.57	1.57	1.65e-05	0.0	0.0	10.62	-3.56	6.52	0.0	-1.04	0.57
		-0.86	-1.04	-1.89e-05	0.0	40.0	10.85	-3.56	6.52	0.0	1.57	-0.86
321	60	1.06	0.34	-1.12e-05	0.0	0.0	-6.26	4.40	-2.13	0.0	0.34	-0.70
		-0.70	-0.51	1.19e-05	0.0	40.0	-6.02	4.40	-2.13	0.0	-0.51	1.06
321	61	0.79	0.45	1.20e-05	0.0	0.0	7.31	-4.95	1.88	0.0	-0.30	0.79
		-1.19	-0.30	-1.21e-05	0.0	40.0	7.55	-4.95	1.88	0.0	0.45	-1.19
321	72	0.54	0.82	-1.17e-05	0.0	0.0	-7.13	2.25	-5.14	0.0	0.82	-0.36
		-0.36	-1.23	1.42e-05	0.0	40.0	-6.89	2.25	-5.14	0.0	-1.23	0.54
321	73	0.45	1.17	1.26e-05	0.0	0.0	8.18	-2.80	4.89	0.0	-0.78	0.45
		-0.67	-0.78	-1.44e-05	0.0	40.0	8.42	-2.80	4.89	0.0	1.17	-0.67
321	92	0.93	0.31	-9.86e-06	0.0	0.0	-5.51	3.87	-1.91	0.0	0.31	-0.62
		-0.62	-0.46	1.06e-05	0.0	40.0	-5.27	3.87	-1.91	0.0	-0.46	0.93
321	93	0.71	0.40	1.07e-05	0.0	0.0	6.55	-4.43	1.66	0.0	-0.27	0.71
		-1.06	-0.27	-1.07e-05	0.0	40.0	6.79	-4.43	1.66	0.0	0.40	-1.06
321	104	0.47	0.73	-1.04e-05	0.0	0.0	-6.28	1.97	-4.58	0.0	0.73	-0.31
		-0.31	-1.10	1.26e-05	0.0	40.0	-6.04	1.97	-4.58	0.0	-1.10	0.47
321	105	0.40	1.04	1.13e-05	0.0	0.0	7.33	-2.52	4.33	0.0	-0.69	0.40
		-0.60	-0.69	-1.28e-05	0.0	40.0	7.57	-2.52	4.33	0.0	1.04	-0.60
321	124	1.72	0.53	-1.80e-05	0.0	0.0	-10.25	7.16	-3.30	0.0	0.53	-1.15
		-1.15	-0.79	1.90e-05	0.0	40.0	-10.01	7.16	-3.30	0.0	-0.79	1.72
321	125	1.23	0.73	1.88e-05	0.0	0.0	11.30	-7.71	3.04	0.0	-0.49	1.23
		-1.85	-0.49	-1.92e-05	0.0	40.0	11.53	-7.71	3.04	0.0	0.73	-1.85
321	136	0.89	1.30	-1.90e-05	0.0	0.0	-11.66	3.70	-8.15	0.0	1.30	-0.59
		-0.59	-1.96	2.26e-05	0.0	40.0	-11.42	3.70	-8.15	0.0	-1.96	0.89
321	137	0.68	1.90	1.98e-05	0.0	0.0	12.71	-4.25	7.90	0.0	-1.26	0.68
		-1.02	-1.26	-2.28e-05	0.0	40.0	12.95	-4.25	7.90	0.0	1.90	-1.02
322	2	-0.03	0.05	-2.61e-05	0.0	0.0	-40.24	0.10	-0.07	-2.99e-04	0.05	-0.15
		-0.15	-0.03	6.89e-05	0.0	120.0	-39.29	0.10	-0.07	-2.99e-04	-0.03	-0.03
322	3	-0.01	0.02	-1.51e-05	0.0	0.0	-26.02	0.07	-0.02	-5.28e-05	0.02	-0.09
		-0.09	-6.25e-03	2.54e-05	0.0	120.0	-25.29	0.07	-0.02	-5.28e-05	-6.25e-03	-0.01
322	5	-0.03	0.03	-2.62e-05	0.0	0.0	-40.03	0.10	-0.03	-8.61e-05	0.03	-0.15
		-0.15	-0.01	3.91e-05	0.0	120.0	-39.08	0.10	-0.03	-8.61e-05	-0.01	-0.03
322	6	-0.03	0.05	-2.65e-05	0.0	0.0	-40.57	0.10	-0.06	-2.44e-04	0.05	-0.15
		-0.15	-0.03	6.69e-05	0.0	120.0	-39.62	0.10	-0.06	-2.44e-04	-0.03	-0.03
322	8	-7.25e-03	0.05	-1.60e-05	0.0	0.0	-27.13	0.07	-0.06	-2.22e-04	0.05	-0.09
		-0.09	-0.03	6.32e-05	0.0	120.0	-26.40	0.07	-0.06	-2.22e-04	-0.03	-7.25e-03
322	9	-0.02	0.02	-1.76e-05	0.0	0.0	-28.30	0.07	-0.02	-5.15e-05	0.02	-0.11
		-0.11	-4.92e-03	2.07e-05	0.0	120.0	-27.57	0.07	-0.02	-5.15e-05	-4.92e-03	-0.02
322	10	-0.02	0.03	-1.79e-05	0.0	0.0	-28.81	0.07	-0.04	-2.02e-04	0.03	-0.11
		-0.11	-0.02	4.72e-05	0.0	120.0	-28.08	0.07	-0.04	-2.02e-04	-0.02	-0.02
322	11	-0.02	0.02	-1.79e-05	0.0	0.0	-28.67	0.07	-0.02	-5.95e-05	0.02	-0.11
		-0.11	-7.56e-03	2.73e-05	0.0	120.0	-27.94	0.07	-0.02	-5.95e-05	-7.56e-03	-0.02
322	12	-0.02	0.03	-1.82e-05	0.0	0.0	-29.04	0.08	-0.04	-1.65e-04	0.03	-0.11
		-0.11	-0.02	4.59e-05	0.0	120.0	-28.31	0.08	-0.04	-1.65e-04	-0.02	-0.02
322	13	-0.02	8.94e-03	-1.70e-05	0.0	0.0	-27.73	0.07	-8.24e-03	-3.94e-05	8.94e-03	-0.11
		-0.11	-9.41e-04	1.07e-05	0.0	120.0	-27.00	0.07	-8.24e-03	-3.94e-05	-9.41e-04	-0.02
322	14	-0.02	0.02	-1.71e-05	0.0	0.0	-27.99	0.07	-0.02	-1.14e-04	0.02	-0.11
		-0.11	-8.22e-03	2.40e-05	0.0	120.0	-27.26	0.07	-0.02	-1.14e-04	-8.22e-03	-0.02

322	15	-0.02	0.01	-1.72e-05	0.0	0.0	-27.92	0.07	-0.01	-4.34e-05	0.01	-0.11
		-0.11	-2.27e-03	1.41e-05	0.0	120.0	-27.19	0.07	-0.01	-4.34e-05	-2.27e-03	-0.02
322	16	-0.02	0.02	-1.73e-05	0.0	0.0	-28.07	0.07	-0.02	-8.85e-05	0.02	-0.11
		-0.11	-6.63e-03	2.20e-05	0.0	120.0	-27.34	0.07	-0.02	-8.85e-05	-6.63e-03	-0.02
322	17	-0.02	8.94e-03	-1.70e-05	0.0	0.0	-27.73	0.07	-8.24e-03	-3.94e-05	8.94e-03	-0.11
		-0.11	-9.41e-04	1.07e-05	0.0	120.0	-27.00	0.07	-8.24e-03	-3.94e-05	-9.41e-04	-0.02
322	18	-0.02	0.01	-1.71e-05	0.0	0.0	-27.89	0.07	-0.02	-8.45e-05	0.01	-0.11
		-0.11	-5.31e-03	1.87e-05	0.0	120.0	-27.15	0.07	-0.02	-8.45e-05	-5.31e-03	-0.02
322	19	-0.76	0.25	-2.99e-04	0.0	0.0	-76.38	0.11	-0.42	7.29e-03	0.25	-0.80
		-0.80	-0.27	3.95e-04	0.0	120.0	-75.65	0.11	-0.42	7.29e-03	-0.27	-0.76
322	22	0.71	0.25	2.64e-04	0.0	0.0	20.61	0.03	0.39	-7.46e-03	-0.22	0.58
		0.58	-0.22	-3.57e-04	0.0	120.0	21.34	0.03	0.39	-7.46e-03	0.25	0.71
322	24	-0.51	0.63	-2.22e-04	0.0	0.0	-96.00	0.18	-1.05	3.87e-03	0.63	-0.59
		-0.59	-0.65	9.96e-04	0.0	120.0	-95.27	0.18	-1.05	3.87e-03	-0.65	-0.51
322	25	0.46	0.63	1.88e-04	0.0	0.0	40.23	-0.03	1.02	-4.04e-03	-0.61	0.38
		0.38	-0.61	-9.59e-04	0.0	120.0	40.96	-0.03	1.02	-4.04e-03	0.63	0.46
322	40	0.28	0.85	5.76e-05	0.0	0.0	-74.50	0.20	-1.41	-4.83e-03	0.85	0.11
		0.11	-0.86	1.34e-03	0.0	120.0	-73.77	0.20	-1.41	-4.83e-03	-0.86	0.28
322	51	-0.57	0.19	-2.28e-04	0.0	0.0	-64.57	0.10	-0.32	5.41e-03	0.19	-0.62
		-0.62	-0.20	2.99e-04	0.0	120.0	-63.84	0.10	-0.32	5.41e-03	-0.20	-0.57
322	54	0.53	0.19	1.94e-04	0.0	0.0	8.80	0.04	0.29	-5.58e-03	-0.16	0.41
		0.41	-0.16	-2.62e-04	0.0	120.0	9.53	0.04	0.29	-5.58e-03	0.19	0.53
322	56	-0.38	0.48	-1.72e-04	0.0	0.0	-79.28	0.15	-0.80	2.83e-03	0.48	-0.47
		-0.47	-0.49	7.54e-04	0.0	120.0	-78.55	0.15	-0.80	2.83e-03	-0.49	-0.38
322	57	0.34	0.48	1.37e-04	0.0	0.0	23.51	-6.79e-03	0.76	-3.00e-03	-0.45	0.25
		0.25	-0.45	-7.17e-04	0.0	120.0	24.24	-6.79e-03	0.76	-3.00e-03	0.48	0.34
322	72	0.20	0.65	3.60e-05	0.0	0.0	-62.97	0.17	-1.07	-3.64e-03	0.65	0.05
		0.05	-0.65	1.01e-03	0.0	120.0	-62.24	0.17	-1.07	-3.64e-03	-0.65	0.20
322	83	-0.51	0.17	-2.04e-04	0.0	0.0	-60.44	0.10	-0.28	4.79e-03	0.17	-0.56
		-0.56	-0.18	2.68e-04	0.0	120.0	-59.71	0.10	-0.28	4.79e-03	-0.18	-0.51
322	86	0.46	0.17	1.70e-04	0.0	0.0	4.67	0.04	0.25	-4.96e-03	-0.14	0.35
		0.35	-0.14	-2.30e-04	0.0	120.0	5.40	0.04	0.25	-4.96e-03	0.17	0.46
322	88	-0.34	0.43	-1.54e-04	0.0	0.0	-73.49	0.14	-0.71	2.50e-03	0.43	-0.43
		-0.43	-0.43	6.72e-04	0.0	120.0	-72.76	0.14	-0.71	2.50e-03	-0.43	-0.34
322	89	0.30	0.42	1.20e-04	0.0	0.0	17.72	1.99e-03	0.68	-2.67e-03	-0.40	0.21
		0.21	-0.40	-6.34e-04	0.0	120.0	18.45	1.99e-03	0.68	-2.67e-03	0.42	0.30
322	104	0.17	0.58	2.97e-05	0.0	0.0	-59.02	0.16	-0.95	-3.24e-03	0.58	0.03
		0.03	-0.58	9.03e-04	0.0	120.0	-58.29	0.16	-0.95	-3.24e-03	-0.58	0.17
322	115	-0.90	0.30	-3.52e-04	0.0	0.0	-85.59	0.12	-0.50	8.74e-03	0.30	-0.93
		-0.93	-0.32	4.70e-04	0.0	120.0	-84.86	0.12	-0.50	8.74e-03	-0.32	-0.90
322	118	0.86	0.31	3.18e-04	0.0	0.0	29.82	0.02	0.47	-8.90e-03	-0.27	0.71
		0.71	-0.27	-4.33e-04	0.0	120.0	30.55	0.02	0.47	-8.90e-03	0.31	0.86
322	120	-0.60	0.76	-2.61e-04	0.0	0.0	-109.02	0.20	-1.27	4.64e-03	0.76	-0.69
		-0.69	-0.77	1.20e-03	0.0	120.0	-108.29	0.20	-1.27	4.64e-03	-0.77	-0.60
322	121	0.56	0.76	2.27e-04	0.0	0.0	53.25	-0.05	1.23	-4.81e-03	-0.73	0.47
		0.47	-0.73	-1.16e-03	0.0	120.0	53.98	-0.05	1.23	-4.81e-03	0.76	0.56
322	136	0.34	1.02	7.31e-05	0.0	0.0	-83.39	0.23	-1.70	-5.83e-03	1.02	0.16
		0.16	-1.03	1.61e-03	0.0	120.0	-82.66	0.23	-1.70	-5.83e-03	-1.03	0.34
323	1	-0.05	-0.04	-6.28e-05	0.0	0.0	-24.76	-0.04	-0.12	-2.49e-04	-0.04	-0.05
		-0.09	-0.19	4.95e-05	0.0	120.0	-23.81	-0.04	-0.12	-2.49e-04	-0.19	-0.09
323	2	-0.04	-0.11	-6.22e-05	0.0	0.0	-24.96	-0.03	-0.28	-6.26e-04	-0.11	-0.04
		-0.09	-0.44	1.01e-04	0.0	120.0	-24.01	-0.03	-0.28	-6.26e-04	-0.44	-0.09
323	3	-0.02	-0.04	-3.64e-05	0.0	0.0	-16.15	-0.02	-0.11	-1.60e-04	-0.04	-0.02
		-0.05	-0.17	4.36e-05	0.0	120.0	-15.42	-0.02	-0.11	-1.60e-04	-0.17	-0.05
323	4	-0.02	-0.11	-3.58e-05	0.0	0.0	-16.36	-0.02	-0.26	-5.37e-04	-0.11	-0.02
		-0.05	-0.42	9.48e-05	0.0	120.0	-15.63	-0.02	-0.26	-5.37e-04	-0.42	-0.05
323	6	-0.04	-0.11	-6.27e-05	0.0	0.0	-25.09	-0.03	-0.27	-5.29e-04	-0.11	-0.04
		-0.09	-0.43	9.97e-05	0.0	120.0	-24.14	-0.03	-0.27	-5.29e-04	-0.43	-0.09
323	9	-0.03	-0.03	-4.30e-05	0.0	0.0	-17.73	-0.03	-0.09	-1.73e-04	-0.03	-0.03
		-0.06	-0.14	3.62e-05	0.0	120.0	-17.00	-0.03	-0.09	-1.73e-04	-0.14	-0.06
323	10	-0.03	-0.08	-4.26e-05	0.0	0.0	-17.87	-0.02	-0.19	-4.24e-04	-0.08	-0.03
		-0.06	-0.30	7.03e-05	0.0	120.0	-17.13	-0.02	-0.19	-4.24e-04	-0.30	-0.06
323	12	-0.03	-0.07	-4.30e-05	0.0	0.0	-17.95	-0.02	-0.19	-3.60e-04	-0.07	-0.03
		-0.06	-0.30	6.96e-05	0.0	120.0	-17.22	-0.02	-0.19	-3.60e-04	-0.30	-0.06
323	13	-0.03	-0.01	-4.26e-05	0.0	0.0	-17.54	-0.03	-0.05	-1.56e-04	-0.01	-0.03
		-0.06	-0.08	2.18e-05	0.0	120.0	-16.81	-0.03	-0.05	-1.56e-04	-0.08	-0.06
323	14	-0.03	-0.04	-4.24e-05	0.0	0.0	-17.60	-0.03	-0.10	-2.82e-04	-0.04	-0.03
		-0.06	-0.16	3.89e-05	0.0	120.0	-16.87	-0.03	-0.10	-2.82e-04	-0.16	-0.06
323	16	-0.03	-0.03	-4.26e-05	0.0	0.0	-17.64	-0.03	-0.10	-2.37e-04	-0.03	-0.03
		-0.06	-0.15	3.68e-05	0.0	120.0	-16.91	-0.03	-0.10	-2.37e-04	-0.15	-0.06
323	17	-0.03	-0.01	-4.26e-05	0.0	0.0	-17.54	-0.03	-0.05	-1.56e-04	-0.01	-0.03
		-0.06	-0.08	2.18e-05	0.0	120.0	-16.81	-0.03	-0.05	-1.56e-04	-0.08	-0.06
323	18	-0.03	-0.03	-4.25e-05	0.0	0.0	-17.58	-0.03	-0.08	-2.31e-04	-0.03	-0.03
		-0.06	-0.13	3.21e-05	0.0	120.0	-16.85	-0.03	-0.08	-2.31e-04	-0.13	-0.06
323	19	0.09	-0.62	-5.37e-04	0.0	0.0	-45.02	0.40	-1.20	9.90e-03	-0.62	-0.40

		-0.40	-2.06	4.51e-04	0.0	120.0	-44.29	0.40	-1.20	9.90e-03	-2.06	0.09
323	22	0.34	1.81	4.52e-04	0.0	0.0	9.87	-0.45	1.04	-0.01	0.57	0.34
		-0.21	0.57	-3.87e-04	0.0	120.0	10.60	-0.45	1.04	-0.01	1.81	-0.21
323	24	0.14	-1.56	-3.92e-04	0.0	0.0	-45.04	0.29	-3.07	5.02e-03	-1.56	-0.28
		-0.28	-5.23	1.15e-03	0.0	120.0	-44.31	0.29	-3.07	5.02e-03	-5.23	0.14
323	25	0.22	4.98	3.07e-04	0.0	0.0	9.89	-0.34	2.90	-5.48e-03	1.51	0.22
		-0.26	1.51	-1.09e-03	0.0	120.0	10.62	-0.34	2.90	-5.48e-03	4.98	-0.26
323	40	0.11	-2.08	1.13e-04	0.0	0.0	-10.22	-0.14	-4.10	-0.01	-2.08	0.11
		0.06	-6.98	1.54e-03	0.0	120.0	-9.49	-0.14	-4.10	-0.01	-6.98	0.06
323	41	-0.17	6.73	-1.98e-04	0.0	0.0	-24.94	0.08	3.93	0.01	2.02	-0.17
		-0.19	2.02	-1.47e-03	0.0	120.0	-24.20	0.08	3.93	0.01	6.73	-0.19
323	51	0.06	-0.47	-4.11e-04	0.0	0.0	-38.03	0.29	-0.93	7.30e-03	-0.47	-0.30
		-0.30	-1.58	3.47e-04	0.0	120.0	-37.30	0.29	-0.93	7.30e-03	-1.58	0.06
323	54	0.24	1.32	3.26e-04	0.0	0.0	2.88	-0.35	0.76	-7.76e-03	0.42	0.24
		-0.18	0.42	-2.83e-04	0.0	120.0	3.61	-0.35	0.76	-7.76e-03	1.32	-0.18
323	56	0.09	-1.18	-3.04e-04	0.0	0.0	-38.09	0.21	-2.34	3.61e-03	-1.18	-0.22
		-0.22	-3.98	8.78e-04	0.0	120.0	-37.36	0.21	-2.34	3.61e-03	-3.98	0.09
323	57	0.15	3.72	2.19e-04	0.0	0.0	2.94	-0.26	2.17	-4.08e-03	1.13	0.15
		-0.22	1.13	-8.14e-04	0.0	120.0	3.67	-0.26	2.17	-4.08e-03	3.72	-0.22
323	72	0.07	-1.58	6.94e-05	0.0	0.0	-12.26	-0.10	-3.12	-8.76e-03	-1.58	0.07
		0.03	-5.31	1.17e-03	0.0	120.0	-11.53	-0.10	-3.12	-8.76e-03	-5.31	0.03
323	73	-0.13	5.06	-1.54e-04	0.0	0.0	-22.90	0.05	2.95	8.30e-03	1.52	-0.13
		-0.16	1.52	-1.11e-03	0.0	120.0	-22.17	0.05	2.95	8.30e-03	5.06	-0.16
323	83	0.04	-0.42	-3.69e-04	0.0	0.0	-35.71	0.26	-0.83	6.45e-03	-0.42	-0.27
		-0.27	-1.41	3.12e-04	0.0	120.0	-34.97	0.26	-0.83	6.45e-03	-1.41	0.04
323	86	0.21	1.16	2.84e-04	0.0	0.0	0.55	-0.31	0.66	-6.91e-03	0.37	0.21
		-0.17	0.37	-2.48e-04	0.0	120.0	1.28	-0.31	0.66	-6.91e-03	1.16	-0.17
323	88	0.08	-1.05	-2.74e-04	0.0	0.0	-35.76	0.18	-2.08	3.17e-03	-1.05	-0.19
		-0.19	-3.54	7.83e-04	0.0	120.0	-35.03	0.18	-2.08	3.17e-03	-3.54	0.08
323	89	0.13	3.29	1.89e-04	0.0	0.0	0.61	-0.24	1.92	-3.63e-03	1.00	0.13
		-0.20	1.00	-7.19e-04	0.0	120.0	1.34	-0.24	1.92	-3.63e-03	3.29	-0.20
323	104	0.06	-1.40	5.63e-05	0.0	0.0	-12.88	-0.10	-2.78	-7.80e-03	-1.40	0.06
		0.02	-4.73	1.04e-03	0.0	120.0	-12.14	-0.10	-2.78	-7.80e-03	-4.73	0.02
323	105	-0.12	4.48	-1.41e-04	0.0	0.0	-22.28	0.04	2.61	7.34e-03	1.35	-0.12
		-0.15	1.35	-9.80e-04	0.0	120.0	-21.55	0.04	2.61	7.34e-03	4.48	-0.15
323	115	0.11	-0.74	-6.32e-04	0.0	0.0	-50.32	0.48	-1.43	0.01	-0.74	-0.47
		-0.47	-2.45	5.37e-04	0.0	120.0	-49.59	0.48	-1.43	0.01	-2.45	0.11
323	118	0.41	2.20	5.47e-04	0.0	0.0	15.17	-0.54	1.27	-0.01	0.69	0.41
		-0.24	0.69	-4.73e-04	0.0	120.0	15.90	-0.54	1.27	-0.01	2.20	-0.24
323	120	0.17	-1.88	-4.59e-04	0.0	0.0	-50.33	0.35	-3.68	6.05e-03	-1.88	-0.33
		-0.33	-6.28	1.38e-03	0.0	120.0	-49.60	0.35	-3.68	6.05e-03	-6.28	0.17
323	121	0.27	6.03	3.74e-04	0.0	0.0	15.17	-0.40	3.51	-6.52e-03	1.82	0.27
		-0.30	1.82	-1.32e-03	0.0	120.0	15.90	-0.40	3.51	-6.52e-03	6.03	-0.30
323	136	0.14	-2.50	1.45e-04	0.0	0.0	-8.69	-0.16	-4.93	-0.01	-2.50	0.14
		0.08	-8.40	1.85e-03	0.0	120.0	-7.96	-0.16	-4.93	-0.01	-8.40	0.08
323	137	-0.20	8.14	-2.30e-04	0.0	0.0	-26.46	0.10	4.76	0.01	2.44	-0.20
		-0.21	2.44	-1.79e-03	0.0	120.0	-25.73	0.10	4.76	0.01	8.14	-0.21
324	1	0.02	0.05	-8.03e-05	0.0	0.0	-11.97	0.05	-0.04	-8.07e-05	0.05	-0.04
		-0.04	8.86e-04	1.09e-04	0.0	120.0	-11.01	0.05	-0.04	-8.07e-05	8.86e-04	0.02
324	4	4.21e-04	0.11	-4.77e-05	0.0	0.0	-7.78	-0.18	-2.38e-03	2.31e-04	0.11	4.21e-04
		-0.21	0.10	2.03e-04	0.0	120.0	-7.05	-0.18	-2.38e-03	2.31e-04	0.10	-0.21
324	8	-3.08e-03	0.16	-4.82e-05	0.0	0.0	-7.76	-0.16	0.03	3.52e-04	0.12	-3.08e-03
		-0.19	0.12	2.05e-04	0.0	120.0	-7.03	-0.16	0.03	3.52e-04	0.16	-0.19
324	9	0.01	0.03	-5.53e-05	0.0	0.0	-8.62	0.04	-0.04	-4.42e-05	0.03	-0.03
		-0.03	-0.02	7.81e-05	0.0	120.0	-7.89	0.04	-0.04	-4.42e-05	-0.02	0.01
324	10	-0.01	0.07	-5.55e-05	0.0	0.0	-8.58	-0.09	-0.03	4.84e-05	0.07	-0.01
		-0.12	0.04	1.50e-04	0.0	120.0	-7.85	-0.09	-0.03	4.84e-05	0.04	-0.12
324	12	-0.02	0.08	-5.59e-05	0.0	0.0	-8.57	-0.07	-2.13e-03	1.29e-04	0.08	-0.02
		-0.10	0.08	1.51e-04	0.0	120.0	-7.84	-0.07	-2.13e-03	1.29e-04	0.08	-0.10
324	13	0.05	3.97e-03	-5.47e-05	0.0	0.0	-8.65	0.07	-0.09	-2.06e-04	3.97e-03	-0.03
		-0.03	-0.10	4.34e-05	0.0	120.0	-7.92	0.07	-0.09	-2.06e-04	-0.10	0.05
324	16	-2.57e-03	0.03	-5.50e-05	0.0	0.0	-8.63	0.02	-0.07	-1.25e-04	0.03	-0.03
		-0.03	-0.05	7.64e-05	0.0	120.0	-7.90	0.02	-0.07	-1.25e-04	-0.05	-2.57e-03
324	17	0.05	3.97e-03	-5.47e-05	0.0	0.0	-8.65	0.07	-0.09	-2.06e-04	3.97e-03	-0.03
		-0.03	-0.10	4.34e-05	0.0	120.0	-7.92	0.07	-0.09	-2.06e-04	-0.10	0.05
324	18	9.59e-03	0.02	-5.48e-05	0.0	0.0	-8.64	0.03	-0.08	-1.79e-04	0.02	-0.03
		-0.03	-0.08	6.49e-05	0.0	120.0	-7.91	0.03	-0.08	-1.79e-04	-0.08	9.59e-03
324	19	0.28	-1.06	-5.99e-04	0.0	0.0	-16.28	-2.49	-1.28	6.35e-03	-1.06	0.28
		-2.71	-1.97	8.78e-04	0.0	120.0	-15.55	-2.49	-1.28	6.35e-03	-1.97	-2.71
324	20	0.54	-0.49	-4.26e-04	0.0	0.0	-13.30	-4.48	-1.89	9.63e-03	-0.49	0.54
		-4.84	-2.99	2.21e-03	0.0	120.0	-12.57	-4.48	-1.89	9.63e-03	-2.99	-4.84
324	21	4.86	2.83	3.17e-04	0.0	0.0	-3.97	4.55	1.72	-9.99e-03	0.53	-0.60
		-0.60	0.53	-2.08e-03	0.0	120.0	-3.24	4.55	1.72	-9.99e-03	2.83	4.86
324	22	2.73	1.81	4.89e-04	0.0	0.0	-1.00	2.56	1.12	-6.70e-03	1.09	-0.34
		-0.34	1.09	-7.48e-04	0.0	120.0	-0.27	2.56	1.12	-6.70e-03	1.81	2.73

324	23	0.28	-1.08	-5.86e-04	0.0	0.0	-16.02	-2.51	-1.89	6.10e-03	-1.08	0.28
		-2.73	-3.07	9.33e-04	0.0	120.0	-15.29	-2.51	-1.89	6.10e-03	-3.07	-2.73
324	26	2.75	2.91	4.77e-04	0.0	0.0	-1.25	2.57	1.73	-6.46e-03	1.11	-0.34
		-0.34	1.11	-8.03e-04	0.0	120.0	-0.52	2.57	1.73	-6.46e-03	2.91	2.75
324	51	0.20	-0.79	-4.59e-04	0.0	0.0	-14.25	-1.83	-0.96	4.69e-03	-0.79	0.20
		-2.00	-1.46	6.73e-04	0.0	120.0	-13.52	-1.83	-0.96	4.69e-03	-1.46	-2.00
324	52	0.39	-0.36	-3.32e-04	0.0	0.0	-12.05	-3.33	-1.43	7.15e-03	-0.36	0.39
		-3.60	-2.25	1.68e-03	0.0	120.0	-11.32	-3.33	-1.43	7.15e-03	-2.25	-3.60
324	53	3.62	2.09	2.23e-04	0.0	0.0	-5.22	3.40	1.27	-7.51e-03	0.39	-0.45
		-0.45	0.39	-1.55e-03	0.0	120.0	-4.49	3.40	1.27	-7.51e-03	2.09	3.62
324	54	2.02	1.29	3.49e-04	0.0	0.0	-3.02	1.90	0.80	-5.04e-03	0.82	-0.26
		-0.26	0.82	-5.44e-04	0.0	120.0	-2.29	1.90	0.80	-5.04e-03	1.29	2.02
324	55	0.20	-0.81	-4.50e-04	0.0	0.0	-14.07	-1.85	-1.43	4.49e-03	-0.81	0.20
		-2.01	-2.31	7.14e-04	0.0	120.0	-13.34	-1.85	-1.43	4.49e-03	-2.31	-2.01
324	58	2.03	2.15	3.41e-04	0.0	0.0	-3.21	1.91	1.27	-4.85e-03	0.84	-0.26
		-0.26	0.84	-5.85e-04	0.0	120.0	-2.48	1.91	1.27	-4.85e-03	2.15	2.03
324	83	0.17	-0.70	-4.13e-04	0.0	0.0	-13.61	-1.62	-0.86	4.13e-03	-0.70	0.17
		-1.77	-1.30	6.05e-04	0.0	120.0	-12.88	-1.62	-0.86	4.13e-03	-1.30	-1.77
324	84	0.34	-0.32	-3.00e-04	0.0	0.0	-11.66	-2.95	-1.28	6.32e-03	-0.32	0.34
		-3.19	-2.01	1.50e-03	0.0	120.0	-10.93	-2.95	-1.28	6.32e-03	-2.01	-3.19
324	85	3.21	1.84	1.91e-04	0.0	0.0	-5.62	3.01	1.12	-6.68e-03	0.35	-0.40
		-0.40	0.35	-1.37e-03	0.0	120.0	-4.89	3.01	1.12	-6.68e-03	1.84	3.21
324	86	1.79	1.13	3.03e-04	0.0	0.0	-3.67	1.68	0.69	-4.49e-03	0.73	-0.23
		-0.23	0.73	-4.75e-04	0.0	120.0	-2.94	1.68	0.69	-4.49e-03	1.13	1.79
324	87	0.18	-0.71	-4.05e-04	0.0	0.0	-13.45	-1.63	-1.28	3.96e-03	-0.71	0.18
		-1.78	-2.06	6.41e-04	0.0	120.0	-12.71	-1.63	-1.28	3.96e-03	-2.06	-1.78
324	90	1.80	1.90	2.96e-04	0.0	0.0	-3.83	1.70	1.12	-4.32e-03	0.75	-0.24
		-0.24	0.75	-5.11e-04	0.0	120.0	-3.10	1.70	1.12	-4.32e-03	1.90	1.80
324	115	0.34	-1.27	-7.04e-04	0.0	0.0	-17.78	-3.01	-1.52	7.64e-03	-1.27	0.34
		-3.26	-2.34	1.04e-03	0.0	120.0	-17.04	-3.01	-1.52	7.64e-03	-2.34	-3.26
324	116	0.65	-0.59	-4.97e-04	0.0	0.0	-14.21	-5.41	-2.23	0.01	-0.59	0.65
		-5.84	-3.55	2.65e-03	0.0	120.0	-13.48	-5.41	-2.23	0.01	-3.55	-5.84
324	117	5.86	3.38	3.88e-04	0.0	0.0	-3.07	5.47	2.07	-0.01	0.62	-0.71
		-0.71	0.62	-2.52e-03	0.0	120.0	-2.33	5.47	2.07	-0.01	3.38	5.86
324	118	3.28	2.17	5.94e-04	0.0	0.0	0.50	3.07	1.36	-8.00e-03	1.30	-0.40
		-0.40	1.30	-9.13e-04	0.0	120.0	1.23	3.07	1.36	-8.00e-03	2.17	3.28
324	119	0.35	-1.30	-6.88e-04	0.0	0.0	-17.46	-3.02	-2.24	7.36e-03	-1.30	0.35
		-3.28	-3.65	1.11e-03	0.0	120.0	-16.73	-3.02	-2.24	7.36e-03	-3.65	-3.28
324	122	3.30	3.49	5.78e-04	0.0	0.0	0.19	3.09	2.08	-7.71e-03	1.33	-0.41
		-0.41	1.33	-9.79e-04	0.0	120.0	0.92	3.09	2.08	-7.71e-03	3.49	3.30
325	2	-0.10	0.04	-4.60e-05	0.0	0.0	-39.04	0.09	-0.07	-5.79e-04	0.04	-0.21
		-0.21	-0.04	6.75e-05	0.0	120.0	-38.09	0.09	-0.07	-5.79e-04	-0.04	-0.10
325	3	-0.03	0.02	-2.04e-05	0.0	0.0	-22.50	0.05	-0.02	-1.14e-04	0.02	-0.09
		-0.09	-0.01	2.49e-05	0.0	120.0	-21.77	0.05	-0.02	-1.14e-04	-0.01	-0.03
325	7	-0.04	0.02	-2.14e-05	0.0	0.0	-22.43	0.05	-0.03	-1.63e-04	0.02	-0.09
		-0.09	-0.02	3.47e-05	0.0	120.0	-21.70	0.05	-0.03	-1.63e-04	-0.02	-0.04
325	9	-0.03	0.01	-2.24e-05	0.0	0.0	-25.16	0.06	-0.02	-8.38e-05	0.01	-0.10
		-0.10	-9.00e-03	2.02e-05	0.0	120.0	-24.43	0.06	-0.02	-8.38e-05	-9.00e-03	-0.03
325	10	-0.07	0.03	-3.19e-05	0.0	0.0	-27.64	0.06	-0.05	-3.94e-04	0.03	-0.14
		-0.14	-0.03	4.63e-05	0.0	120.0	-26.91	0.06	-0.05	-3.94e-04	-0.03	-0.07
325	11	-0.04	0.02	-2.31e-05	0.0	0.0	-25.11	0.05	-0.03	-1.17e-04	0.02	-0.10
		-0.10	-0.01	2.68e-05	0.0	120.0	-24.38	0.05	-0.03	-1.17e-04	-0.01	-0.04
325	13	-0.02	7.52e-03	-2.14e-05	0.0	0.0	-25.23	0.06	-9.52e-03	-3.41e-05	7.52e-03	-0.09
		-0.09	-3.90e-03	1.04e-05	0.0	120.0	-24.50	0.06	-9.52e-03	-3.41e-05	-3.90e-03	-0.02
325	14	-0.04	0.02	-2.62e-05	0.0	0.0	-26.47	0.06	-0.02	-1.89e-04	0.02	-0.11
		-0.11	-0.01	2.34e-05	0.0	120.0	-25.74	0.06	-0.02	-1.89e-04	-0.01	-0.04
325	15	-0.03	9.76e-03	-2.18e-05	0.0	0.0	-25.21	0.06	-0.01	-5.07e-05	9.76e-03	-0.09
		-0.09	-5.60e-03	1.37e-05	0.0	120.0	-24.47	0.06	-0.01	-5.07e-05	-5.60e-03	-0.03
325	17	-0.02	7.52e-03	-2.14e-05	0.0	0.0	-25.23	0.06	-9.52e-03	-3.41e-05	7.52e-03	-0.09
		-0.09	-3.90e-03	1.04e-05	0.0	120.0	-24.50	0.06	-9.52e-03	-3.41e-05	-3.90e-03	-0.02
325	18	-0.03	0.01	-2.43e-05	0.0	0.0	-25.98	0.06	-0.02	-1.27e-04	0.01	-0.11
		-0.11	-9.67e-03	1.82e-05	0.0	120.0	-25.24	0.06	-0.02	-1.27e-04	-9.67e-03	-0.03
325	27	-0.62	0.25	-2.06e-04	0.0	0.0	-113.85	0.35	-0.50	-4.15e-03	0.25	-0.91
		-0.91	-0.35	4.42e-04	0.0	120.0	-113.12	0.35	-0.50	-4.15e-03	-0.35	-0.62
325	28	-1.12	0.63	-3.24e-04	0.0	0.0	-83.58	0.26	-1.23	-9.39e-03	0.63	-1.47
		-1.47	-0.85	1.09e-03	0.0	120.0	-82.85	0.26	-1.23	-9.39e-03	-0.85	-1.12
325	29	1.26	0.83	2.75e-04	0.0	0.0	31.63	-0.14	1.20	9.13e-03	-0.61	1.26
		1.05	-0.61	-1.05e-03	0.0	120.0	32.36	-0.14	1.20	9.13e-03	0.83	1.05
325	30	0.70	0.33	1.57e-04	0.0	0.0	61.90	-0.24	0.47	3.90e-03	-0.23	0.70
		0.55	-0.23	-4.06e-04	0.0	120.0	62.63	-0.24	0.47	3.90e-03	0.33	0.55
325	40	-1.11	0.77	-2.92e-04	0.0	0.0	2.65	-0.02	-1.49	-0.01	0.77	-1.35
		-1.35	-1.02	1.32e-03	0.0	120.0	3.39	-0.02	-1.49	-0.01	-1.02	-1.11
325	41	1.14	1.01	2.44e-04	0.0	0.0	-54.61	0.14	1.45	0.01	-0.74	1.14
		1.04	-0.74	-1.28e-03	0.0	120.0	-53.87	0.14	1.45	0.01	1.01	1.04
325	59	-0.48	0.20	-1.61e-04	0.0	0.0	-91.34	0.28	-0.39	-3.18e-03	0.20	-0.71

		-0.71	-0.27	3.40e-04	0.0	120.0	-90.61	0.28	-0.39	-3.18e-03	-0.27	-0.48
325	60	-0.85	0.48	-2.49e-04	0.0	0.0	-68.99	0.21	-0.94	-7.14e-03	0.48	-1.13
		-1.13	-0.65	8.28e-04	0.0	120.0	-68.26	0.21	-0.94	-7.14e-03	-0.65	-0.85
325	61	0.92	0.63	2.01e-04	0.0	0.0	17.04	-0.09	0.90	6.89e-03	-0.46	0.92
		0.78	-0.46	-7.91e-04	0.0	120.0	17.77	-0.09	0.90	6.89e-03	0.63	0.78
325	62	0.50	0.25	1.12e-04	0.0	0.0	39.39	-0.16	0.35	2.92e-03	-0.17	0.50
		0.41	-0.17	-3.03e-04	0.0	120.0	40.12	-0.16	0.35	2.92e-03	0.25	0.41
325	72	-0.85	0.58	-2.26e-04	0.0	0.0	-4.99	-3.36e-04	-1.13	-8.25e-03	0.58	-1.04
		-1.04	-0.78	1.00e-03	0.0	120.0	-4.25	-3.36e-04	-1.13	-8.25e-03	-0.78	-0.85
325	73	0.83	0.76	1.77e-04	0.0	0.0	-46.97	0.12	1.09	7.99e-03	-0.56	0.83
		0.78	-0.56	-9.64e-04	0.0	120.0	-46.23	0.12	1.09	7.99e-03	0.76	0.78
325	91	-0.43	0.18	-1.45e-04	0.0	0.0	-83.90	0.25	-0.34	-2.83e-03	0.18	-0.64
		-0.64	-0.24	3.04e-04	0.0	120.0	-83.17	0.25	-0.34	-2.83e-03	-0.24	-0.43
325	92	-0.76	0.43	-2.24e-04	0.0	0.0	-64.11	0.19	-0.83	-6.36e-03	0.43	-1.01
		-1.01	-0.58	7.37e-04	0.0	120.0	-63.38	0.19	-0.83	-6.36e-03	-0.58	-0.76
325	93	0.80	0.56	1.75e-04	0.0	0.0	12.16	-0.07	0.80	6.10e-03	-0.40	0.80
		0.69	-0.40	-7.01e-04	0.0	120.0	12.89	-0.07	0.80	6.10e-03	0.56	0.69
325	94	0.43	0.22	9.69e-05	0.0	0.0	31.95	-0.14	0.31	2.58e-03	-0.15	0.43
		0.36	-0.15	-2.67e-04	0.0	120.0	32.68	-0.14	0.31	2.58e-03	0.22	0.36
325	104	-0.76	0.52	-2.03e-04	0.0	0.0	-7.41	6.69e-03	-1.00	-7.34e-03	0.52	-0.94
		-0.94	-0.69	8.91e-04	0.0	120.0	-6.68	6.69e-03	-1.00	-7.34e-03	-0.69	-0.76
325	105	0.73	0.67	1.54e-04	0.0	0.0	-44.54	0.11	0.97	7.09e-03	-0.50	0.73
		0.69	-0.50	-8.54e-04	0.0	120.0	-43.81	0.11	0.97	7.09e-03	0.67	0.69
325	123	-0.74	0.30	-2.42e-04	0.0	0.0	-131.43	0.41	-0.59	-4.97e-03	0.30	-1.08
		-1.08	-0.41	5.23e-04	0.0	120.0	-130.70	0.41	-0.59	-4.97e-03	-0.41	-0.74
325	124	-1.34	0.76	-3.84e-04	0.0	0.0	-95.00	0.30	-1.47	-0.01	0.76	-1.74
		-1.74	-1.02	1.30e-03	0.0	120.0	-94.27	0.30	-1.47	-0.01	-1.02	-1.34
325	125	1.53	1.00	3.36e-04	0.0	0.0	43.05	-0.18	1.44	0.01	-0.73	1.53
		1.27	-0.73	-1.27e-03	0.0	120.0	43.78	-0.18	1.44	0.01	1.00	1.27
325	126	0.86	0.40	1.94e-04	0.0	0.0	79.48	-0.29	0.56	4.71e-03	-0.28	0.86
		0.67	-0.28	-4.87e-04	0.0	120.0	80.21	-0.29	0.56	4.71e-03	0.40	0.67
325	136	-1.34	0.92	-3.48e-04	0.0	0.0	8.57	-0.04	-1.79	-0.01	0.92	-1.61
		-1.61	-1.23	1.58e-03	0.0	120.0	9.30	-0.04	-1.79	-0.01	-1.23	-1.34
325	137	1.40	1.21	2.99e-04	0.0	0.0	-60.52	0.16	1.75	0.01	-0.90	1.40
		1.27	-0.90	-1.55e-03	0.0	120.0	-59.79	0.16	1.75	0.01	1.21	1.27
326	2	-0.07	-0.12	-1.00e-04	0.0	0.0	-23.32	-8.97e-03	-0.15	-1.30e-03	-0.12	-0.07
		-0.08	-0.30	1.01e-04	0.0	120.0	-22.37	-8.97e-03	-0.15	-1.30e-03	-0.30	-0.08
326	3	-0.03	-0.04	-4.26e-05	0.0	0.0	-13.63	-0.02	-0.06	-2.90e-04	-0.04	-0.03
		-0.05	-0.11	4.38e-05	0.0	120.0	-12.90	-0.02	-0.06	-2.90e-04	-0.11	-0.05
326	7	-0.03	-0.06	-4.56e-05	0.0	0.0	-13.55	-0.01	-0.08	-4.06e-04	-0.06	-0.03
		-0.05	-0.16	5.80e-05	0.0	120.0	-12.82	-0.01	-0.08	-4.06e-04	-0.16	-0.05
326	9	-0.03	-0.03	-4.76e-05	0.0	0.0	-15.48	-0.02	-0.04	-2.15e-04	-0.03	-0.03
		-0.06	-0.09	3.63e-05	0.0	120.0	-14.75	-0.02	-0.04	-2.15e-04	-0.09	-0.06
326	10	-0.05	-0.08	-6.83e-05	0.0	0.0	-16.41	-6.54e-03	-0.10	-8.93e-04	-0.08	-0.05
		-0.06	-0.20	7.04e-05	0.0	120.0	-15.67	-6.54e-03	-0.10	-8.93e-04	-0.20	-0.06
326	11	-0.03	-0.05	-4.96e-05	0.0	0.0	-15.43	-0.02	-0.06	-2.92e-04	-0.05	-0.03
		-0.06	-0.12	4.58e-05	0.0	120.0	-14.70	-0.02	-0.06	-2.92e-04	-0.12	-0.06
326	13	-0.03	-0.02	-4.47e-05	0.0	0.0	-15.56	-0.02	-0.02	-9.85e-05	-0.02	-0.03
		-0.05	-0.04	2.21e-05	0.0	120.0	-14.82	-0.02	-0.02	-9.85e-05	-0.04	-0.05
326	14	-0.04	-0.04	-5.50e-05	0.0	0.0	-16.02	-0.02	-0.05	-4.37e-04	-0.04	-0.04
		-0.06	-0.09	3.92e-05	0.0	120.0	-15.29	-0.02	-0.05	-4.37e-04	-0.09	-0.06
326	15	-0.03	-0.02	-4.57e-05	0.0	0.0	-15.53	-0.02	-0.03	-1.37e-04	-0.02	-0.03
		-0.05	-0.05	2.68e-05	0.0	120.0	-14.80	-0.02	-0.03	-1.37e-04	-0.05	-0.05
326	17	-0.03	-0.02	-4.47e-05	0.0	0.0	-15.56	-0.02	-0.02	-9.85e-05	-0.02	-0.03
		-0.05	-0.04	2.21e-05	0.0	120.0	-14.82	-0.02	-0.02	-9.85e-05	-0.04	-0.05
326	18	-0.03	-0.03	-5.08e-05	0.0	0.0	-15.83	-0.02	-0.04	-3.02e-04	-0.03	-0.03
		-0.06	-0.07	3.23e-05	0.0	120.0	-15.10	-0.02	-0.04	-3.02e-04	-0.07	-0.06
326	19	0.06	-0.63	-3.84e-04	0.0	0.0	-52.02	0.22	-0.80	-5.42e-03	-0.63	-0.30
		-0.30	-1.58	4.52e-04	0.0	120.0	-51.29	0.22	-0.80	-5.42e-03	-1.58	0.06
326	22	0.23	1.44	2.82e-04	0.0	0.0	20.36	-0.26	0.73	4.81e-03	0.57	0.23
		-0.17	0.57	-3.88e-04	0.0	120.0	21.09	-0.26	0.73	4.81e-03	1.44	-0.17
326	28	0.13	-1.75	-6.76e-04	0.0	0.0	-38.52	0.50	-2.13	-0.02	-1.75	-0.56
		-0.56	-4.30	1.27e-03	0.0	120.0	-37.79	0.50	-2.13	-0.02	-4.30	0.13
326	29	0.50	4.16	5.75e-04	0.0	0.0	6.85	-0.53	2.06	0.02	1.69	0.50
		-0.24	1.69	-1.21e-03	0.0	120.0	7.58	-0.53	2.06	0.02	4.16	-0.24
326	40	0.06	-2.09	-6.40e-04	0.0	0.0	-3.96	0.47	-2.57	-0.02	-2.09	-0.56
		-0.56	-5.17	1.55e-03	0.0	120.0	-3.23	0.47	-2.57	-0.02	-5.17	0.06
326	41	0.49	5.03	5.38e-04	0.0	0.0	-27.71	-0.50	2.50	0.02	2.04	0.49
		-0.17	2.04	-1.48e-03	0.0	120.0	-26.97	-0.50	2.50	0.02	5.03	-0.17
326	51	0.03	-0.48	-3.00e-04	0.0	0.0	-42.45	0.16	-0.61	-4.17e-03	-0.48	-0.23
		-0.23	-1.20	3.48e-04	0.0	120.0	-41.72	0.16	-0.61	-4.17e-03	-1.20	0.03
326	54	0.16	1.06	1.98e-04	0.0	0.0	10.78	-0.20	0.54	3.57e-03	0.42	0.16
		-0.14	0.42	-2.84e-04	0.0	120.0	11.51	-0.20	0.54	3.57e-03	1.06	-0.14
326	60	0.09	-1.33	-5.20e-04	0.0	0.0	-32.63	0.37	-1.62	-0.01	-1.33	-0.43
		-0.43	-3.27	9.71e-04	0.0	120.0	-31.90	0.37	-1.62	-0.01	-3.27	0.09

326	61	0.37	3.13	4.19e-04	0.0	0.0	0.97	-0.41	1.55	0.01	1.27	0.37
		-0.20	1.27	-9.06e-04	0.0	120.0	1.70	-0.41	1.55	0.01	3.13	-0.20
326	72	0.04	-1.59	-4.94e-04	0.0	0.0	-7.18	0.35	-1.95	-0.01	-1.59	-0.43
		-0.43	-3.93	1.18e-03	0.0	120.0	-6.45	0.35	-1.95	-0.01	-3.93	0.04
326	73	0.36	3.78	3.92e-04	0.0	0.0	-24.48	-0.39	1.88	0.01	1.53	0.36
		-0.15	1.53	-1.11e-03	0.0	120.0	-23.75	-0.39	1.88	0.01	3.78	-0.15
326	83	0.02	-0.43	-2.71e-04	0.0	0.0	-39.38	0.14	-0.54	-3.74e-03	-0.43	-0.21
		-0.21	-1.07	3.13e-04	0.0	120.0	-38.65	0.14	-0.54	-3.74e-03	-1.07	0.02
326	86	0.14	0.93	1.70e-04	0.0	0.0	7.71	-0.18	0.47	3.14e-03	0.37	0.14
		-0.13	0.37	-2.48e-04	0.0	120.0	8.44	-0.18	0.47	3.14e-03	0.93	-0.13
326	92	0.08	-1.18	-4.67e-04	0.0	0.0	-30.71	0.33	-1.45	-0.01	-1.18	-0.39
		-0.39	-2.91	8.66e-04	0.0	120.0	-29.98	0.33	-1.45	-0.01	-2.91	0.08
326	93	0.32	2.77	3.66e-04	0.0	0.0	-0.96	-0.37	1.38	0.01	1.12	0.32
		-0.19	1.12	-8.01e-04	0.0	120.0	-0.22	-0.37	1.38	0.01	2.77	-0.19
326	104	0.03	-1.41	-4.44e-04	0.0	0.0	-8.19	0.31	-1.74	-0.01	-1.41	-0.38
		-0.38	-3.50	1.05e-03	0.0	120.0	-7.46	0.31	-1.74	-0.01	-3.50	0.03
326	105	0.32	3.35	3.42e-04	0.0	0.0	-23.48	-0.35	1.67	0.01	1.36	0.32
		-0.14	1.36	-9.85e-04	0.0	120.0	-22.75	-0.35	1.67	0.01	3.35	-0.14
326	115	0.08	-0.75	-4.50e-04	0.0	0.0	-59.24	0.26	-0.95	-6.48e-03	-0.75	-0.35
		-0.35	-1.89	5.39e-04	0.0	120.0	-58.50	0.26	-0.95	-6.48e-03	-1.89	0.08
326	118	0.28	1.75	3.48e-04	0.0	0.0	27.57	-0.30	0.88	5.87e-03	0.69	0.28
		-0.19	0.69	-4.74e-04	0.0	120.0	28.30	-0.30	0.88	5.87e-03	1.75	-0.19
326	124	0.16	-2.09	-8.04e-04	0.0	0.0	-43.03	0.60	-2.56	-0.02	-2.09	-0.67
		-0.67	-5.16	1.53e-03	0.0	120.0	-42.30	0.60	-2.56	-0.02	-5.16	0.16
326	125	0.61	5.01	7.03e-04	0.0	0.0	11.37	-0.64	2.49	0.02	2.03	0.61
		-0.27	2.03	-1.46e-03	0.0	120.0	12.10	-0.64	2.49	0.02	5.01	-0.27
326	136	0.08	-2.52	-7.61e-04	0.0	0.0	-1.54	0.56	-3.09	-0.02	-2.52	-0.67
		-0.67	-6.22	1.86e-03	0.0	120.0	-0.81	0.56	-3.09	-0.02	-6.22	0.08
326	137	0.60	6.08	6.60e-04	0.0	0.0	-30.13	-0.60	3.02	0.02	2.46	0.60
		-0.19	2.46	-1.79e-03	0.0	120.0	-29.40	-0.60	3.02	0.02	6.08	-0.19
327	1	0.0	0.06	-8.40e-05	0.0	0.0	-9.89	0.02	-0.05	0.0	0.06	-0.03
		-0.03	0.0	1.08e-04	0.0	120.0	-8.94	0.02	-0.05	0.0	0.0	0.0
327	2	0.0	0.16	-1.19e-04	0.0	0.0	-9.67	0.03	-0.13	0.0	0.16	-0.03
		-0.03	0.0	2.16e-04	0.0	120.0	-8.72	0.03	-0.13	0.0	0.0	0.0
327	3	0.0	0.06	-5.12e-05	0.0	0.0	-5.82	0.01	-0.05	0.0	0.06	-0.02
		-0.02	0.0	9.48e-05	0.0	120.0	-5.09	0.01	-0.05	0.0	0.0	0.0
327	6	0.0	0.17	-1.12e-04	0.0	0.0	-9.66	0.03	-0.14	0.0	0.17	-0.03
		-0.03	0.0	2.18e-04	0.0	120.0	-8.71	0.03	-0.14	0.0	0.0	0.0
327	8	0.0	0.17	-7.89e-05	0.0	0.0	-5.59	0.02	-0.14	0.0	0.17	-0.02
		-0.02	0.0	2.05e-04	0.0	120.0	-4.86	0.02	-0.14	0.0	0.0	0.0
327	9	0.0	0.04	-5.78e-05	0.0	0.0	-6.85	0.02	-0.03	0.0	0.04	-0.02
		-0.02	0.0	7.78e-05	0.0	120.0	-6.12	0.02	-0.03	0.0	0.0	0.0
327	10	0.0	0.10	-8.10e-05	0.0	0.0	-6.71	0.02	-0.08	0.0	0.10	-0.02
		-0.02	0.0	1.50e-04	0.0	120.0	-5.98	0.02	-0.08	0.0	0.0	0.0
327	12	0.0	0.11	-7.62e-05	0.0	0.0	-6.70	0.02	-0.09	0.0	0.11	-0.02
		-0.02	0.0	1.51e-04	0.0	120.0	-5.97	0.02	-0.09	0.0	0.0	0.0
327	13	0.0	0.0	-5.46e-05	0.0	0.0	-6.93	0.02	5.05e-03	0.0	-6.06e-03	-0.02
		-0.02	-6.06e-03	4.34e-05	0.0	120.0	-6.20	0.02	5.05e-03	0.0	0.0	0.0
327	14	0.0	0.03	-6.61e-05	0.0	0.0	-6.86	0.02	-0.02	0.0	0.03	-0.02
		-0.02	0.0	7.94e-05	0.0	120.0	-6.13	0.02	-0.02	0.0	0.0	0.0
327	16	0.0	0.03	-6.26e-05	0.0	0.0	-6.86	0.02	-0.02	0.0	0.03	-0.02
		-0.02	0.0	7.65e-05	0.0	120.0	-6.13	0.02	-0.02	0.0	0.0	0.0
327	17	0.0	0.0	-5.46e-05	0.0	0.0	-6.93	0.02	5.05e-03	0.0	-6.06e-03	-0.02
		-0.02	-6.06e-03	4.34e-05	0.0	120.0	-6.20	0.02	5.05e-03	0.0	0.0	0.0
327	18	0.0	0.01	-6.15e-05	0.0	0.0	-6.89	0.02	-0.01	0.0	0.01	-0.02
		-0.02	0.0	6.50e-05	0.0	120.0	-6.15	0.02	-0.01	0.0	0.0	0.0
327	19	0.0	0.0	-4.33e-04	0.0	0.0	-12.85	0.13	1.43	0.0	-1.71	-0.16
		-0.16	-1.71	8.79e-04	0.0	120.0	-12.12	0.13	1.43	0.0	0.0	0.0
327	22	0.11	1.74	3.10e-04	0.0	0.0	-0.92	-0.10	-1.45	0.0	1.74	0.11
		0.0	0.0	-7.48e-04	0.0	120.0	-0.19	-0.10	-1.45	0.0	0.0	0.0
327	43	0.0	0.0	2.50e-04	0.0	0.0	-12.40	0.11	1.60	0.0	-1.92	-0.13
		-0.13	-1.92	-1.52e-03	0.0	120.0	-11.67	0.11	1.60	0.0	0.0	0.0
327	46	0.09	1.95	-3.73e-04	0.0	0.0	-1.37	-0.07	-1.62	0.0	1.95	0.09
		0.0	0.0	1.65e-03	0.0	120.0	-0.64	-0.07	-1.62	0.0	0.0	0.0
327	51	0.0	0.0	-3.38e-04	0.0	0.0	-11.29	0.10	1.06	0.0	-1.28	-0.12
		-0.12	-1.28	6.74e-04	0.0	120.0	-10.56	0.10	1.06	0.0	0.0	0.0
327	54	0.08	1.30	2.15e-04	0.0	0.0	-2.48	-0.07	-1.08	0.0	1.30	0.08
		0.0	0.0	-5.44e-04	0.0	120.0	-1.75	-0.07	-1.08	0.0	0.0	0.0
327	67	0.0	0.0	1.89e-04	0.0	0.0	-11.31	0.09	1.15	0.0	-1.38	-0.10
		-0.10	-1.38	-1.28e-03	0.0	120.0	-10.58	0.09	1.15	0.0	0.0	0.0
327	70	0.06	1.40	-3.12e-04	0.0	0.0	-2.46	-0.05	-1.17	0.0	1.40	0.06
		0.0	0.0	1.41e-03	0.0	120.0	-1.73	-0.05	-1.17	0.0	0.0	0.0
327	75	0.0	0.0	1.72e-04	0.0	0.0	-11.00	0.08	1.21	0.0	-1.45	-0.10
		-0.10	-1.45	-1.14e-03	0.0	120.0	-10.27	0.08	1.21	0.0	0.0	0.0
327	78	0.06	1.48	-2.95e-04	0.0	0.0	-2.77	-0.05	-1.23	0.0	1.48	0.06

		0.0	0.0	1.27e-03	0.0	120.0	-2.04	-0.05	-1.23	0.0	0.0	0.0
327	83	0.0	0.0	-3.07e-04	0.0	0.0	-10.79	0.09	0.94	0.0	-1.13	-0.11
		-0.11	-1.13	6.05e-04	0.0	120.0	-10.06	0.09	0.94	0.0	0.0	0.0
327	86	0.07	1.15	1.83e-04	0.0	0.0	-2.98	-0.06	-0.96	0.0	1.15	0.07
		0.0	0.0	-4.75e-04	0.0	120.0	-2.25	-0.06	-0.96	0.0	0.0	0.0
327	99	0.0	0.0	1.61e-04	0.0	0.0	-10.81	0.08	1.02	0.0	-1.22	-0.09
		-0.09	-1.22	-1.13e-03	0.0	120.0	-10.08	0.08	1.02	0.0	0.0	0.0
327	102	0.05	1.25	-2.84e-04	0.0	0.0	-2.97	-0.04	-1.04	0.0	1.25	0.05
		0.0	0.0	1.26e-03	0.0	120.0	-2.23	-0.04	-1.04	0.0	0.0	0.0
327	107	0.0	0.0	1.46e-04	0.0	0.0	-10.54	0.08	1.07	0.0	-1.29	-0.09
		-0.09	-1.29	-1.00e-03	0.0	120.0	-9.80	0.08	1.07	0.0	0.0	0.0
327	110	0.05	1.31	-2.69e-04	0.0	0.0	-3.24	-0.04	-1.09	0.0	1.31	0.05
		0.0	0.0	1.13e-03	0.0	120.0	-2.50	-0.04	-1.09	0.0	0.0	0.0
327	115	0.0	0.0	-5.07e-04	0.0	0.0	-14.03	0.15	1.71	0.0	-2.05	-0.18
		-0.18	-2.05	1.04e-03	0.0	120.0	-13.30	0.15	1.71	0.0	0.0	0.0
327	118	0.14	2.08	3.84e-04	0.0	0.0	0.26	-0.12	-1.73	0.0	2.08	0.14
		0.0	0.0	-9.14e-04	0.0	120.0	0.99	-0.12	-1.73	0.0	0.0	0.0
327	139	0.0	0.0	3.17e-04	0.0	0.0	-13.50	0.13	1.92	0.0	-2.31	-0.15
		-0.15	-2.31	-1.85e-03	0.0	120.0	-12.77	0.13	1.92	0.0	0.0	0.0
327	142	0.11	2.33	-4.40e-04	0.0	0.0	-0.27	-0.09	-1.95	0.0	2.33	0.11
		0.0	0.0	1.98e-03	0.0	120.0	0.46	-0.09	-1.95	0.0	0.0	0.0
328	3	2.61e-04	3.77e-03	-1.33e-05	0.0	0.0	-13.27	-0.05	-0.06	-2.87e-04	3.77e-03	2.61e-04
		-0.06	-0.07	-1.61e-05	0.0	120.0	-12.55	-0.05	-0.06	-2.87e-04	-0.07	-0.06
328	6	-0.03	-0.01	-2.63e-05	0.0	0.0	-18.85	-0.06	-0.09	-1.20e-03	-0.01	-0.03
		-0.10	-0.12	-2.80e-05	0.0	120.0	-17.92	-0.06	-0.09	-1.20e-03	-0.12	-0.10
328	9	9.71e-04	1.81e-03	-1.16e-05	0.0	0.0	-13.03	-0.05	-0.07	-1.83e-04	1.81e-03	9.71e-04
		-0.06	-0.08	-1.86e-05	0.0	120.0	-12.32	-0.05	-0.07	-1.83e-04	-0.08	-0.06
328	12	-0.02	-6.45e-03	-1.86e-05	0.0	0.0	-14.13	-0.04	-0.07	-7.91e-04	-6.45e-03	-0.02
		-0.07	-0.09	-1.92e-05	0.0	120.0	-13.42	-0.04	-0.07	-7.91e-04	-0.09	-0.07
328	13	7.55e-03	4.70e-03	-8.17e-06	0.0	0.0	-12.34	-0.05	-0.07	3.70e-05	4.70e-03	7.55e-03
		-0.05	-0.07	-1.79e-05	0.0	120.0	-11.62	-0.05	-0.07	3.70e-05	-0.07	-0.05
328	14	-1.83e-03	1.80e-04	-1.15e-05	0.0	0.0	-12.79	-0.05	-0.06	-2.93e-04	1.80e-04	-1.83e-03
		-0.06	-0.08	-1.81e-05	0.0	120.0	-12.07	-0.05	-0.06	-2.93e-04	-0.08	-0.06
328	16	-2.69e-04	1.02e-03	-1.13e-05	0.0	0.0	-12.84	-0.05	-0.07	-2.34e-04	1.02e-03	-2.69e-04
		-0.06	-0.08	-1.82e-05	0.0	120.0	-12.13	-0.05	-0.07	-2.34e-04	-0.08	-0.06
328	17	7.55e-03	4.70e-03	-8.17e-06	0.0	0.0	-12.34	-0.05	-0.07	3.70e-05	4.70e-03	7.55e-03
		-0.05	-0.07	-1.79e-05	0.0	120.0	-11.62	-0.05	-0.07	3.70e-05	-0.07	-0.05
328	18	1.92e-03	1.99e-03	-1.02e-05	0.0	0.0	-12.61	-0.05	-0.07	-1.61e-04	1.99e-03	1.92e-03
		-0.06	-0.08	-1.80e-05	0.0	120.0	-11.89	-0.05	-0.07	-1.61e-04	-0.08	-0.06
328	20	-0.31	-0.37	-5.71e-04	0.0	0.0	42.09	0.24	0.06	-0.02	-0.37	-0.71
		-0.71	-0.51	-2.17e-04	0.0	120.0	42.81	0.24	0.06	-0.02	-0.51	-0.31
328	25	0.70	0.38	5.40e-04	0.0	0.0	-71.37	-0.34	-0.19	0.02	0.38	0.70
		0.19	0.36	1.86e-04	0.0	120.0	-70.66	-0.34	-0.19	0.02	0.36	0.19
328	35	0.39	0.11	1.27e-04	0.0	0.0	89.26	0.14	0.21	0.02	0.11	0.39
		0.39	0.04	-2.25e-04	0.0	120.0	89.97	0.14	0.21	0.02	0.04	0.39
328	36	-0.57	-0.29	-4.33e-04	0.0	0.0	-67.54	-0.04	-0.23	-0.03	-0.29	-0.71
		-0.71	-0.41	4.57e-05	0.0	120.0	-66.83	-0.04	-0.23	-0.03	-0.41	-0.57
328	37	0.72	0.30	4.13e-04	0.0	0.0	42.33	-0.05	0.10	0.03	0.30	0.72
		0.46	0.26	-8.17e-05	0.0	120.0	43.04	-0.05	0.10	0.03	0.26	0.46
328	38	-0.39	-0.10	-1.47e-04	0.0	0.0	-114.47	-0.24	-0.34	-0.02	-0.10	-0.39
		-0.50	-0.19	1.89e-04	0.0	120.0	-113.76	-0.24	-0.34	-0.02	-0.19	-0.50
328	52	-0.25	-0.28	-4.31e-04	0.0	0.0	27.93	0.17	0.02	-0.02	-0.28	-0.53
		-0.53	-0.40	-1.68e-04	0.0	120.0	28.65	0.17	0.02	-0.02	-0.40	-0.25
328	57	0.53	0.29	4.02e-04	0.0	0.0	-56.14	-0.27	-0.16	0.02	0.29	0.53
		0.13	0.25	1.35e-04	0.0	120.0	-55.43	-0.27	-0.16	0.02	0.25	0.13
328	67	0.29	0.08	9.44e-05	0.0	0.0	63.40	0.09	0.14	0.02	0.08	0.29
		0.28	0.01	-1.72e-04	0.0	120.0	64.11	0.09	0.14	0.02	0.01	0.28
328	68	-0.44	-0.22	-3.29e-04	0.0	0.0	-53.74	-0.04	-0.18	-0.02	-0.22	-0.54
		-0.54	-0.33	2.78e-05	0.0	120.0	-53.03	-0.04	-0.18	-0.02	-0.33	-0.44
328	69	0.54	0.22	3.09e-04	0.0	0.0	28.53	-0.05	0.05	0.02	0.22	0.54
		0.33	0.18	-6.39e-05	0.0	120.0	29.24	-0.05	0.05	0.02	0.18	0.33
328	70	-0.29	-0.08	-1.15e-04	0.0	0.0	-88.61	-0.19	-0.27	-0.02	-0.08	-0.29
		-0.39	-0.17	1.36e-04	0.0	120.0	-87.90	-0.19	-0.27	-0.02	-0.17	-0.39
328	84	-0.23	-0.25	-3.83e-04	0.0	0.0	23.29	0.15	0.01	-0.02	-0.25	-0.47
		-0.47	-0.37	-1.51e-04	0.0	120.0	24.00	0.15	0.01	-0.02	-0.37	-0.23
328	89	0.47	0.26	3.56e-04	0.0	0.0	-51.16	-0.25	-0.15	0.02	0.26	0.47
		0.11	0.21	1.18e-04	0.0	120.0	-50.44	-0.25	-0.15	0.02	0.21	0.11
328	99	0.26	0.07	8.29e-05	0.0	0.0	54.78	0.07	0.11	0.01	0.07	0.26
		0.24	4.23e-03	-1.54e-04	0.0	120.0	55.49	0.07	0.11	0.01	4.23e-03	0.24
328	100	-0.40	-0.19	-2.93e-04	0.0	0.0	-49.11	-0.04	-0.17	-0.02	-0.19	-0.48
		-0.48	-0.30	2.25e-05	0.0	120.0	-48.39	-0.04	-0.17	-0.02	-0.30	-0.40
328	101	0.48	0.20	2.73e-04	0.0	0.0	23.89	-0.05	0.04	0.02	0.20	0.48
		0.29	0.15	-5.85e-05	0.0	120.0	24.60	-0.05	0.04	0.02	0.15	0.29
328	102	-0.26	-0.07	-1.03e-04	0.0	0.0	-79.99	-0.17	-0.24	-0.01	-0.07	-0.26
		-0.35	-0.16	1.18e-04	0.0	120.0	-79.28	-0.17	-0.24	-0.01	-0.16	-0.35

328	116	-0.37	-0.45	-6.85e-04	0.0	0.0	52.53	0.30	0.08	-0.03	-0.45	-0.85
		-0.85	-0.60	-2.54e-04	0.0	120.0	53.24	0.30	0.08	-0.03	-0.60	-0.37
328	121	0.84	0.46	6.52e-04	0.0	0.0	-82.70	-0.40	-0.21	0.03	0.46	0.84
		0.24	0.44	2.24e-04	0.0	120.0	-81.99	-0.40	-0.21	0.03	0.44	0.24
328	131	0.48	0.13	1.56e-04	0.0	0.0	109.69	0.18	0.26	0.03	0.13	0.47
		0.47	0.07	-2.65e-04	0.0	120.0	110.41	0.18	0.26	0.03	0.07	0.48
328	132	-0.67	-0.35	-5.20e-04	0.0	0.0	-78.85	-0.04	-0.26	-0.04	-0.35	-0.86
		-0.86	-0.48	5.84e-05	0.0	120.0	-78.14	-0.04	-0.26	-0.04	-0.48	-0.67
328	133	0.86	0.35	5.00e-04	0.0	0.0	53.64	-0.05	0.13	0.04	0.35	0.86
		0.56	0.33	-9.44e-05	0.0	120.0	54.35	-0.05	0.13	0.04	0.33	0.56
328	134	-0.47	-0.13	-1.76e-04	0.0	0.0	-134.91	-0.27	-0.39	-0.03	-0.13	-0.47
		-0.59	-0.22	2.29e-04	0.0	120.0	-134.19	-0.27	-0.39	-0.03	-0.22	-0.59
329	3	-3.89e-04	-9.46e-03	-2.25e-05	0.0	0.0	-6.61	0.03	0.03	-1.17e-03	-0.04	-0.04
		-0.04	-0.04	-4.03e-05	0.0	120.0	-5.90	0.03	0.03	-1.17e-03	-9.46e-03	-3.89e-04
329	6	-1.19e-03	-0.01	-4.82e-05	0.0	0.0	-9.20	0.05	0.05	-3.02e-03	-0.07	-0.07
		-0.07	-0.07	-6.86e-05	0.0	120.0	-8.27	0.05	0.05	-3.02e-03	-0.01	-1.19e-03
329	8	1.34e-03	-3.06e-03	-4.52e-05	0.0	0.0	-7.24	0.04	0.04	-2.88e-03	-0.05	-0.05
		-0.05	-0.05	-4.04e-05	0.0	120.0	-6.52	0.04	0.04	-2.88e-03	-3.06e-03	1.34e-03
329	9	-1.78e-03	-0.01	-1.88e-05	0.0	0.0	-6.53	0.03	0.03	-9.36e-04	-0.05	-0.04
		-0.04	-0.05	-4.71e-05	0.0	120.0	-5.81	0.03	0.03	-9.36e-04	-0.01	-1.78e-03
329	12	-6.27e-04	-8.23e-03	-3.39e-05	0.0	0.0	-6.94	0.04	0.03	-2.07e-03	-0.05	-0.05
		-0.05	-0.05	-4.72e-05	0.0	120.0	-6.23	0.04	0.03	-2.07e-03	-8.23e-03	-6.27e-04
329	13	-2.90e-03	-0.02	-1.21e-05	0.0	0.0	-6.28	0.03	0.02	-4.61e-04	-0.04	-0.04
		-0.04	-0.04	-4.67e-05	0.0	120.0	-5.56	0.03	0.02	-4.61e-04	-0.02	-2.90e-03
329	14	-2.61e-03	-0.01	-1.96e-05	0.0	0.0	-6.46	0.03	0.03	-1.04e-03	-0.04	-0.04
		-0.04	-0.04	-4.65e-05	0.0	120.0	-5.74	0.03	0.03	-1.04e-03	-0.01	-2.61e-03
329	16	-2.35e-03	-0.01	-1.89e-05	0.0	0.0	-6.47	0.03	0.03	-9.70e-04	-0.04	-0.04
		-0.04	-0.04	-4.67e-05	0.0	120.0	-5.75	0.03	0.03	-9.70e-04	-0.01	-2.35e-03
329	17	-2.90e-03	-0.02	-1.21e-05	0.0	0.0	-6.28	0.03	0.02	-4.61e-04	-0.04	-0.04
		-0.04	-0.04	-4.67e-05	0.0	120.0	-5.56	0.03	0.02	-4.61e-04	-0.02	-2.90e-03
329	18	-2.73e-03	-0.01	-1.66e-05	0.0	0.0	-6.39	0.03	0.02	-8.11e-04	-0.04	-0.04
		-0.04	-0.04	-4.66e-05	0.0	120.0	-5.67	0.03	0.02	-8.11e-04	-0.01	-2.73e-03
329	19	0.03	0.10	-2.10e-04	0.0	0.0	31.01	0.03	0.23	-0.01	-0.18	-0.02
		-0.02	-0.18	-5.38e-04	0.0	120.0	31.72	0.03	0.23	-0.01	0.10	0.03
329	20	0.06	0.19	-5.50e-04	0.0	0.0	13.93	0.17	0.31	-0.04	-0.21	-0.11
		-0.11	-0.21	-3.83e-04	0.0	120.0	14.65	0.17	0.31	-0.04	0.19	0.06
329	21	0.03	0.13	5.16e-04	0.0	0.0	-26.70	-0.10	-0.26	0.04	0.13	0.03
		-0.07	-0.22	2.90e-04	0.0	120.0	-25.99	-0.10	-0.26	0.04	-0.22	-0.07
329	22	-0.03	0.09	1.77e-04	0.0	0.0	-43.78	0.03	-0.19	0.01	0.09	-0.06
		-0.06	-0.13	4.45e-04	0.0	120.0	-43.06	0.03	-0.19	0.01	-0.13	-0.03
329	40	0.07	0.18	-7.00e-04	0.0	0.0	-26.96	0.27	0.22	-0.05	-0.14	-0.21
		-0.21	-0.14	1.06e-04	0.0	120.0	-26.24	0.27	0.22	-0.05	0.18	0.07
329	41	0.12	0.05	6.67e-04	0.0	0.0	14.18	-0.21	-0.17	0.05	0.05	0.12
		-0.07	-0.20	-1.99e-04	0.0	120.0	14.90	-0.21	-0.17	0.05	-0.20	-0.07
329	51	0.02	0.07	-1.62e-04	0.0	0.0	21.32	0.03	0.18	-0.01	-0.15	-0.03
		-0.03	-0.15	-4.13e-04	0.0	120.0	22.04	0.03	0.18	-0.01	0.07	0.02
329	52	0.05	0.14	-4.19e-04	0.0	0.0	8.59	0.13	0.24	-0.03	-0.17	-0.10
		-0.10	-0.17	-2.99e-04	0.0	120.0	9.30	0.13	0.24	-0.03	0.14	0.05
329	54	-0.03	0.06	1.29e-04	0.0	0.0	-34.09	0.03	-0.13	9.83e-03	0.06	-0.06
		-0.06	-0.10	3.20e-04	0.0	120.0	-33.38	0.03	-0.13	9.83e-03	-0.10	-0.03
329	56	0.05	0.14	-4.03e-04	0.0	0.0	9.70	0.13	0.24	-0.03	-0.17	-0.09
		-0.09	-0.17	-3.07e-04	0.0	120.0	10.41	0.13	0.24	-0.03	0.14	0.05
329	72	0.05	0.13	-5.33e-04	0.0	0.0	-21.66	0.21	0.17	-0.04	-0.12	-0.17
		-0.17	-0.12	6.33e-05	0.0	120.0	-20.95	0.21	0.17	-0.04	0.13	0.05
329	73	0.08	0.03	5.00e-04	0.0	0.0	8.89	-0.15	-0.12	0.04	0.03	0.08
		-0.06	-0.16	-1.56e-04	0.0	120.0	9.61	-0.15	-0.12	0.04	-0.16	-0.06
329	83	0.02	0.07	-1.46e-04	0.0	0.0	18.15	0.03	0.17	-0.01	-0.14	-0.03
		-0.03	-0.14	-3.72e-04	0.0	120.0	18.87	0.03	0.17	-0.01	0.07	0.02
329	84	0.04	0.13	-3.74e-04	0.0	0.0	6.86	0.12	0.22	-0.03	-0.16	-0.09
		-0.09	-0.16	-2.70e-04	0.0	120.0	7.58	0.12	0.22	-0.03	0.13	0.04
329	86	-0.02	0.05	1.12e-04	0.0	0.0	-30.93	0.03	-0.12	8.63e-03	0.05	-0.06
		-0.06	-0.09	2.78e-04	0.0	120.0	-30.21	0.03	-0.12	8.63e-03	-0.09	-0.02
329	88	0.04	0.13	-3.60e-04	0.0	0.0	7.85	0.12	0.22	-0.03	-0.16	-0.09
		-0.09	-0.16	-2.77e-04	0.0	120.0	8.56	0.12	0.22	-0.03	0.13	0.04
329	104	0.04	0.11	-4.76e-04	0.0	0.0	-19.93	0.19	0.16	-0.04	-0.11	-0.15
		-0.15	-0.11	5.05e-05	0.0	120.0	-19.21	0.19	0.16	-0.04	0.11	0.04
329	105	0.07	0.02	4.42e-04	0.0	0.0	7.16	-0.13	-0.11	0.03	0.02	0.07
		-0.05	-0.14	-1.44e-04	0.0	120.0	7.87	-0.13	-0.11	0.03	-0.14	-0.05
329	115	0.03	0.12	-2.50e-04	0.0	0.0	38.36	0.03	0.28	-0.02	-0.21	-0.02
		-0.02	-0.21	-6.32e-04	0.0	120.0	39.08	0.03	0.28	-0.02	0.12	0.03
329	116	0.07	0.23	-6.59e-04	0.0	0.0	17.84	0.19	0.37	-0.05	-0.25	-0.13
		-0.13	-0.25	-4.46e-04	0.0	120.0	18.55	0.19	0.37	-0.05	0.23	0.07
329	117	0.05	0.16	6.26e-04	0.0	0.0	-30.61	-0.13	-0.32	0.05	0.16	0.05
		-0.08	-0.26	3.53e-04	0.0	120.0	-29.89	-0.13	-0.32	0.05	-0.26	-0.08
329	118	-0.04	0.12	2.16e-04	0.0	0.0	-51.13	0.03	-0.23	0.02	0.12	-0.07

		-0.07	-0.15	5.39e-04	0.0	120.0	-50.42	0.03	-0.23	0.02	-0.15	-0.04
329	136	0.08	0.21	-8.41e-04	0.0	0.0	-31.26	0.32	0.26	-0.06	-0.16	-0.24
		-0.24	-0.16	1.38e-04	0.0	120.0	-30.54	0.32	0.26	-0.06	0.21	0.08
329	137	0.16	0.07	8.07e-04	0.0	0.0	18.49	-0.26	-0.21	0.06	0.07	0.16
		-0.09	-0.24	-2.31e-04	0.0	120.0	19.20	-0.26	-0.21	0.06	-0.24	-0.09
330	1	0.04	-0.02	-2.66e-05	0.0	0.0	-2.49	0.06	-3.40e-03	-7.68e-04	-0.02	-0.03
		-0.03	-0.03	-8.31e-05	0.0	120.0	-1.56	0.06	-3.40e-03	-7.68e-04	-0.03	0.04
330	4	0.04	-9.92e-03	-4.91e-05	0.0	0.0	-1.90	0.06	5.89e-03	-2.05e-03	-0.02	-0.03
		-0.03	-0.02	-4.85e-05	0.0	120.0	-1.19	0.06	5.89e-03	-2.05e-03	-9.92e-03	0.04
330	5	0.05	-0.02	-3.38e-05	0.0	0.0	-2.51	0.07	1.72e-04	-8.68e-04	-0.02	-0.04
		-0.04	-0.02	-8.34e-05	0.0	120.0	-1.58	0.07	1.72e-04	-8.68e-04	-0.02	0.05
330	6	0.05	-0.02	-5.16e-05	0.0	0.0	-2.50	0.07	6.51e-03	-1.83e-03	-0.03	-0.04
		-0.04	-0.03	-8.30e-05	0.0	120.0	-1.58	0.07	6.51e-03	-1.83e-03	-0.02	0.05
330	8	0.04	-8.57e-03	-4.86e-05	0.0	0.0	-1.93	0.06	6.75e-03	-1.73e-03	-0.02	-0.03
		-0.03	-0.02	-4.90e-05	0.0	120.0	-1.21	0.06	6.75e-03	-1.73e-03	-8.57e-03	0.04
330	9	0.03	-0.02	-1.96e-05	0.0	0.0	-1.90	0.05	-3.94e-03	-5.96e-04	-0.02	-0.03
		-0.03	-0.02	-5.73e-05	0.0	120.0	-1.19	0.05	-3.94e-03	-5.96e-04	-0.02	0.03
330	10	0.04	-0.02	-3.66e-05	0.0	0.0	-1.90	0.05	2.09e-03	-1.51e-03	-0.02	-0.03
		-0.03	-0.02	-5.70e-05	0.0	120.0	-1.19	0.05	2.09e-03	-1.51e-03	-0.02	0.04
330	11	0.04	-0.02	-2.44e-05	0.0	0.0	-1.92	0.05	-1.56e-03	-6.63e-04	-0.02	-0.03
		-0.03	-0.02	-5.76e-05	0.0	120.0	-1.20	0.05	-1.56e-03	-6.63e-04	-0.02	0.04
330	12	0.04	-0.01	-3.63e-05	0.0	0.0	-1.92	0.05	2.67e-03	-1.30e-03	-0.02	-0.03
		-0.03	-0.02	-5.73e-05	0.0	120.0	-1.20	0.05	2.67e-03	-1.30e-03	-0.01	0.04
330	13	0.03	-0.02	-1.25e-05	0.0	0.0	-1.88	0.04	-7.51e-03	-4.96e-04	-0.02	-0.03
		-0.03	-0.03	-5.70e-05	0.0	120.0	-1.17	0.04	-7.51e-03	-4.96e-04	-0.03	0.03
330	14	0.03	-0.02	-2.10e-05	0.0	0.0	-1.88	0.05	-4.50e-03	-9.54e-04	-0.02	-0.03
		-0.03	-0.02	-5.68e-05	0.0	120.0	-1.17	0.05	-4.50e-03	-9.54e-04	-0.02	0.03
330	15	0.03	-0.02	-1.49e-05	0.0	0.0	-1.89	0.05	-6.32e-03	-5.29e-04	-0.02	-0.03
		-0.03	-0.02	-5.71e-05	0.0	120.0	-1.17	0.05	-6.32e-03	-5.29e-04	-0.02	0.03
330	16	0.03	-0.02	-1.99e-05	0.0	0.0	-1.89	0.05	-4.51e-03	-8.04e-04	-0.02	-0.03
		-0.03	-0.02	-5.70e-05	0.0	120.0	-1.17	0.05	-4.51e-03	-8.04e-04	-0.02	0.03
330	17	0.03	-0.02	-1.25e-05	0.0	0.0	-1.88	0.04	-7.51e-03	-4.96e-04	-0.02	-0.03
		-0.03	-0.03	-5.70e-05	0.0	120.0	-1.17	0.04	-7.51e-03	-4.96e-04	-0.03	0.03
330	18	0.03	-0.02	-1.76e-05	0.0	0.0	-1.88	0.05	-5.70e-03	-7.71e-04	-0.02	-0.03
		-0.03	-0.02	-5.69e-05	0.0	120.0	-1.17	0.05	-5.70e-03	-7.71e-04	-0.02	0.03
330	19	0.03	0.20	-2.23e-04	0.0	0.0	4.12	0.02	0.24	-6.30e-03	-0.12	-0.03
		-0.03	-0.12	-5.90e-04	0.0	120.0	4.84	0.02	0.24	-6.30e-03	0.20	0.03
330	22	0.03	0.09	1.88e-04	0.0	0.0	-7.88	0.07	-0.25	4.76e-03	0.09	-0.02
		-0.02	-0.24	4.77e-04	0.0	120.0	-7.17	0.07	-0.25	4.76e-03	-0.24	0.03
330	24	0.20	0.30	-5.64e-04	0.0	0.0	2.08	0.19	0.32	-0.01	-0.09	-0.03
		-0.03	-0.09	-4.31e-04	0.0	120.0	2.79	0.19	0.32	-0.01	0.30	0.20
330	25	-0.02	0.05	5.29e-04	0.0	0.0	-5.84	-0.10	-0.33	0.01	0.05	-0.02
		-0.14	-0.35	3.17e-04	0.0	120.0	-5.12	-0.10	-0.33	0.01	-0.35	-0.14
330	40	0.36	0.22	-7.49e-04	0.0	0.0	-4.35	0.36	0.21	-0.02	0.02	-0.02
		-0.02	0.02	1.16e-04	0.0	120.0	-3.63	0.36	0.21	-0.02	0.22	0.36
330	41	-0.03	-0.06	7.14e-04	0.0	0.0	0.59	-0.26	-0.22	0.02	-0.06	-0.03
		-0.30	-0.27	-2.30e-04	0.0	120.0	1.30	-0.26	-0.22	0.02	-0.27	-0.30
330	51	0.03	0.14	-1.72e-04	0.0	0.0	2.52	0.03	0.18	-5.00e-03	-0.09	-0.03
		-0.03	-0.09	-4.53e-04	0.0	120.0	3.24	0.03	0.18	-5.00e-03	0.14	0.03
330	54	0.03	0.06	1.37e-04	0.0	0.0	-6.28	0.06	-0.19	3.46e-03	0.06	-0.02
		-0.02	-0.19	3.40e-04	0.0	120.0	-5.57	0.06	-0.19	3.46e-03	-0.19	0.03
330	56	0.16	0.22	-4.30e-04	0.0	0.0	1.02	0.16	0.24	-0.01	-0.07	-0.03
		-0.03	-0.07	-3.35e-04	0.0	120.0	1.73	0.16	0.24	-0.01	0.22	0.16
330	57	-0.02	0.03	3.95e-04	0.0	0.0	-4.78	-0.07	-0.25	9.81e-03	0.03	-0.02
		-0.10	-0.27	2.22e-04	0.0	120.0	-4.06	-0.07	-0.25	9.81e-03	-0.27	-0.10
330	72	0.28	0.16	-5.71e-04	0.0	0.0	-3.68	0.28	0.16	-0.01	0.01	-0.02
		-0.02	0.01	6.80e-05	0.0	120.0	-2.97	0.28	0.16	-0.01	0.16	0.28
330	73	-0.03	-0.05	5.36e-04	0.0	0.0	-0.08	-0.19	-0.17	0.01	-0.05	-0.03
		-0.22	-0.21	-1.82e-04	0.0	120.0	0.63	-0.19	-0.17	0.01	-0.21	-0.22
330	83	0.03	0.12	-1.55e-04	0.0	0.0	2.01	0.03	0.16	-4.53e-03	-0.09	-0.03
		-0.03	-0.09	-4.08e-04	0.0	120.0	2.73	0.03	0.16	-4.53e-03	0.12	0.03
330	86	0.03	0.05	1.20e-04	0.0	0.0	-5.77	0.06	-0.17	2.99e-03	0.05	-0.02
		-0.02	-0.17	2.94e-04	0.0	120.0	-5.06	0.06	-0.17	2.99e-03	-0.17	0.03
330	88	0.15	0.19	-3.84e-04	0.0	0.0	0.68	0.15	0.21	-0.01	-0.06	-0.03
		-0.03	-0.06	-3.04e-04	0.0	120.0	1.40	0.15	0.21	-0.01	0.19	0.15
330	89	-0.02	0.03	3.49e-04	0.0	0.0	-4.44	-0.05	-0.22	8.63e-03	0.03	-0.02
		-0.09	-0.24	1.90e-04	0.0	120.0	-3.73	-0.05	-0.22	8.63e-03	-0.24	-0.09
330	104	0.25	0.14	-5.09e-04	0.0	0.0	-3.47	0.25	0.14	-0.01	8.56e-03	-0.02
		-0.02	8.56e-03	5.34e-05	0.0	120.0	-2.76	0.25	0.14	-0.01	0.14	0.25
330	105	-0.03	-0.04	4.74e-04	0.0	0.0	-0.29	-0.16	-0.15	0.01	-0.04	-0.03
		-0.19	-0.19	-1.67e-04	0.0	120.0	0.43	-0.16	-0.15	0.01	-0.19	-0.19
330	115	0.03	0.24	-2.65e-04	0.0	0.0	5.30	0.02	0.29	-7.40e-03	-0.14	-0.03
		-0.03	-0.14	-6.93e-04	0.0	120.0	6.02	0.02	0.29	-7.40e-03	0.24	0.03
330	118	0.03	0.11	2.30e-04	0.0	0.0	-9.06	0.07	-0.30	5.86e-03	0.11	-0.02
		-0.02	-0.29	5.79e-04	0.0	120.0	-8.35	0.07	-0.30	5.86e-03	-0.29	0.03

330	120	0.24	0.36	-6.77e-04	0.0	0.0	2.86	0.22	0.39	-0.02	-0.10	-0.03
		-0.03	-0.10	-5.03e-04	0.0	120.0	3.57	0.22	0.39	-0.02	0.36	0.24
330	121	-0.02	0.07	6.42e-04	0.0	0.0	-6.62	-0.13	-0.40	0.02	0.07	-0.02
		-0.18	-0.41	3.89e-04	0.0	120.0	-5.90	-0.13	-0.40	0.02	-0.41	-0.18
330	136	0.42	0.27	-9.00e-04	0.0	0.0	-4.86	0.42	0.25	-0.02	0.03	-0.02
		-0.02	0.03	1.52e-04	0.0	120.0	-4.14	0.42	0.25	-0.02	0.27	0.42
330	137	-0.03	-0.06	8.64e-04	0.0	0.0	1.10	-0.33	-0.26	0.02	-0.06	-0.03
		-0.36	-0.32	-2.66e-04	0.0	120.0	1.81	-0.33	-0.26	0.02	-0.32	-0.36
331	1	0.04	0.03	8.70e-05	0.0	0.0	-2.22	0.02	-0.04	-7.86e-04	0.03	0.02
		0.02	-0.02	-2.77e-05	0.0	120.0	-1.29	0.02	-0.04	-7.86e-04	-0.02	0.04
331	3	0.03	0.02	5.31e-05	0.0	0.0	-1.66	0.02	-0.03	-6.75e-04	0.02	9.72e-03
		9.72e-03	-0.01	-2.44e-05	0.0	120.0	-0.94	0.02	-0.03	-6.75e-04	-0.01	0.03
331	4	0.02	0.02	8.74e-05	0.0	0.0	-1.24	6.58e-03	-0.02	-2.03e-03	0.02	0.01
		0.01	-9.15e-03	-4.96e-05	0.0	120.0	-0.53	6.58e-03	-0.02	-2.03e-03	-9.15e-03	0.02
331	5	0.04	0.03	9.03e-05	0.0	0.0	-2.13	0.02	-0.04	-8.88e-04	0.03	0.02
		0.02	-0.02	-3.48e-05	0.0	120.0	-1.21	0.02	-0.04	-8.88e-04	-0.02	0.04
331	9	0.03	0.02	5.99e-05	0.0	0.0	-1.71	0.02	-0.03	-6.05e-04	0.02	0.01
		0.01	-0.02	-2.05e-05	0.0	120.0	-1.00	0.02	-0.03	-6.05e-04	-0.02	0.03
331	10	0.02	0.02	8.28e-05	0.0	0.0	-1.43	8.54e-03	-0.03	-1.51e-03	0.02	0.01
		0.01	-0.01	-3.73e-05	0.0	120.0	-0.72	8.54e-03	-0.03	-1.51e-03	-0.01	0.02
331	11	0.03	0.02	6.21e-05	0.0	0.0	-1.66	0.02	-0.03	-6.72e-04	0.02	0.01
		0.01	-0.01	-2.52e-05	0.0	120.0	-0.94	0.02	-0.03	-6.72e-04	-0.01	0.03
331	13	0.03	0.02	5.66e-05	0.0	0.0	-1.79	0.02	-0.04	-5.03e-04	0.02	0.01
		0.01	-0.02	-1.33e-05	0.0	120.0	-1.08	0.02	-0.04	-5.03e-04	-0.02	0.03
331	14	0.03	0.02	6.80e-05	0.0	0.0	-1.65	0.01	-0.03	-9.55e-04	0.02	0.01
		0.01	-0.02	-2.17e-05	0.0	120.0	-0.94	0.01	-0.03	-9.55e-04	-0.02	0.03
331	15	0.03	0.02	5.77e-05	0.0	0.0	-1.76	0.02	-0.03	-5.37e-04	0.02	0.01
		0.01	-0.02	-1.57e-05	0.0	120.0	-1.05	0.02	-0.03	-5.37e-04	-0.02	0.03
331	17	0.03	0.02	5.66e-05	0.0	0.0	-1.79	0.02	-0.04	-5.03e-04	0.02	0.01
		0.01	-0.02	-1.33e-05	0.0	120.0	-1.08	0.02	-0.04	-5.03e-04	-0.02	0.03
331	18	0.03	0.02	6.34e-05	0.0	0.0	-1.71	0.01	-0.03	-7.74e-04	0.02	0.01
		0.01	-0.02	-1.84e-05	0.0	120.0	-0.99	0.01	-0.03	-7.74e-04	-0.02	0.03
331	19	0.02	-0.02	4.29e-04	0.0	0.0	1.59	-0.24	-0.14	-5.87e-03	-0.02	0.02
		-0.24	-0.17	-2.24e-04	0.0	120.0	2.30	-0.24	-0.14	-5.87e-03	-0.17	-0.24
331	22	0.30	0.13	-3.02e-04	0.0	0.0	-5.01	0.26	0.07	4.32e-03	0.06	4.40e-03
		4.40e-03	0.06	1.87e-04	0.0	120.0	-4.29	0.26	0.07	4.32e-03	0.13	0.30
331	35	-0.04	0.04	-2.68e-04	0.0	0.0	-6.97	-0.05	-0.33	0.01	0.04	-0.04
		-0.07	-0.34	4.69e-04	0.0	120.0	-6.26	-0.05	-0.33	0.01	-0.34	-0.07
331	38	0.13	0.30	3.95e-04	0.0	0.0	3.55	0.07	0.27	-0.01	1.76e-03	0.06
		0.06	1.76e-03	-5.06e-04	0.0	120.0	4.27	0.07	0.27	-0.01	0.30	0.13
331	40	0.08	0.27	7.09e-04	0.0	0.0	6.88	-0.08	0.26	-0.02	-0.03	0.08
		-0.03	-0.03	-7.47e-04	0.0	120.0	7.59	-0.08	0.26	-0.02	0.27	-0.03
331	41	0.09	0.07	-5.82e-04	0.0	0.0	-10.30	0.11	-0.33	0.02	0.07	-0.05
		-0.05	-0.31	7.10e-04	0.0	120.0	-9.58	0.11	-0.33	0.02	-0.31	0.09
331	51	0.02	-8.29e-03	3.36e-04	0.0	0.0	0.77	-0.17	-0.11	-4.67e-03	-8.29e-03	0.02
		-0.17	-0.13	-1.73e-04	0.0	120.0	1.49	-0.17	-0.11	-4.67e-03	-0.13	-0.17
331	54	0.23	0.09	-2.09e-04	0.0	0.0	-4.19	0.20	0.04	3.12e-03	0.05	7.22e-03
		7.22e-03	0.05	1.36e-04	0.0	120.0	-3.48	0.20	0.04	3.12e-03	0.09	0.23
331	67	-0.03	0.04	-1.86e-04	0.0	0.0	-5.70	-0.03	-0.26	7.75e-03	0.04	-0.03
		-0.04	-0.25	3.50e-04	0.0	120.0	-4.99	-0.03	-0.26	7.75e-03	-0.25	-0.04
331	70	0.10	0.22	3.13e-04	0.0	0.0	2.28	0.05	0.19	-9.30e-03	7.12e-03	0.05
		0.05	7.12e-03	-3.87e-04	0.0	120.0	3.00	0.05	0.19	-9.30e-03	0.22	0.10
331	72	0.06	0.20	5.48e-04	0.0	0.0	4.79	-0.06	0.19	-0.01	-0.02	0.06
		-0.02	-0.02	-5.70e-04	0.0	120.0	5.50	-0.06	0.19	-0.01	0.20	-0.02
331	73	0.08	0.06	-4.21e-04	0.0	0.0	-8.21	0.09	-0.26	0.01	0.06	-0.04
		-0.04	-0.23	5.33e-04	0.0	120.0	-7.49	0.09	-0.26	0.01	-0.23	0.08
331	83	0.02	-4.95e-03	3.05e-04	0.0	0.0	0.49	-0.15	-0.10	-4.23e-03	-4.95e-03	0.02
		-0.15	-0.11	-1.56e-04	0.0	120.0	1.21	-0.15	-0.10	-4.23e-03	-0.11	-0.15
331	86	0.21	0.07	-1.78e-04	0.0	0.0	-3.91	0.18	0.03	2.68e-03	0.05	7.93e-03
		7.93e-03	0.05	1.19e-04	0.0	120.0	-3.20	0.18	0.03	2.68e-03	0.07	0.21
331	99	-0.02	0.03	-1.59e-04	0.0	0.0	-5.26	-0.02	-0.23	6.81e-03	0.03	-0.02
		-0.03	-0.23	3.09e-04	0.0	120.0	-4.54	-0.02	-0.23	6.81e-03	-0.23	-0.03
331	102	0.09	0.19	2.85e-04	0.0	0.0	1.84	0.05	0.16	-8.36e-03	8.83e-03	0.05
		0.05	8.83e-03	-3.46e-04	0.0	120.0	2.55	0.05	0.16	-8.36e-03	0.19	0.09
331	104	0.06	0.17	4.93e-04	0.0	0.0	4.06	-0.05	0.16	-0.01	-0.01	0.06
		-0.01	-0.01	-5.08e-04	0.0	120.0	4.77	-0.05	0.16	-0.01	0.17	-0.01
331	105	0.07	0.06	-3.67e-04	0.0	0.0	-7.48	0.08	-0.23	0.01	0.06	-0.03
		-0.03	-0.21	4.71e-04	0.0	120.0	-6.76	0.08	-0.23	0.01	-0.21	0.07
331	115	0.02	-0.03	5.02e-04	0.0	0.0	2.27	-0.29	-0.16	-6.89e-03	-0.03	0.02
		-0.30	-0.20	-2.66e-04	0.0	120.0	2.98	-0.29	-0.16	-6.89e-03	-0.20	-0.30
331	118	0.36	0.16	-3.75e-04	0.0	0.0	-5.68	0.32	0.09	5.34e-03	0.07	2.35e-03
		2.35e-03	0.07	2.29e-04	0.0	120.0	-4.97	0.32	0.09	5.34e-03	0.16	0.36
331	131	-0.05	0.05	-3.37e-04	0.0	0.0	-8.07	-0.06	-0.40	0.01	0.05	-0.05
		-0.09	-0.40	5.70e-04	0.0	120.0	-7.36	-0.06	-0.40	0.01	-0.40	-0.09
331	134	0.15	0.36	4.64e-04	0.0	0.0	4.65	0.08	0.33	-0.01	-2.77e-03	0.07

		0.07	-2.77e-03	-6.07e-04	0.0	120.0	5.37	0.08	0.33	-0.01	0.36	0.15
331	136	0.09	0.33	8.42e-04	0.0	0.0	8.67	-0.10	0.32	-0.02	-0.04	0.09
		-0.05	-0.04	-8.97e-04	0.0	120.0	9.38	-0.10	0.32	-0.02	0.33	-0.05
331	137	0.10	0.08	-7.15e-04	0.0	0.0	-12.09	0.13	-0.39	0.02	0.08	-0.07
		-0.07	-0.37	8.61e-04	0.0	120.0	-11.37	0.13	-0.39	0.02	-0.37	0.10
332	1	0.05	0.05	7.39e-05	0.0	0.0	-6.61	-0.02	-0.04	-1.28e-03	0.05	0.05
		0.03	3.25e-03	-2.63e-05	0.0	120.0	-5.69	-0.02	-0.04	-1.28e-03	3.25e-03	0.03
332	2	0.06	0.04	1.05e-04	0.0	0.0	-3.60	-0.03	-0.03	-2.90e-03	0.04	0.06
		0.02	2.02e-03	-4.87e-05	0.0	120.0	-2.67	-0.03	-0.03	-2.90e-03	2.02e-03	0.02
332	4	0.04	0.02	7.64e-05	0.0	0.0	-1.65	-0.02	-0.02	-2.75e-03	0.02	0.04
		0.01	-4.20e-04	-4.55e-05	0.0	120.0	-0.94	-0.02	-0.02	-2.75e-03	-4.20e-04	0.01
332	9	0.04	0.03	5.11e-05	0.0	0.0	-5.08	-0.02	-0.03	-9.07e-04	0.03	0.04
		0.02	1.60e-03	-1.94e-05	0.0	120.0	-4.37	-0.02	-0.03	-9.07e-04	1.60e-03	0.02
332	10	0.04	0.03	7.16e-05	0.0	0.0	-3.07	-0.02	-0.02	-1.99e-03	0.03	0.04
		0.02	7.83e-04	-3.44e-05	0.0	120.0	-2.35	-0.02	-0.02	-1.99e-03	7.83e-04	0.02
332	13	0.04	0.04	4.83e-05	0.0	0.0	-5.65	-0.02	-0.03	-4.54e-04	0.04	0.04
		0.02	1.07e-03	-1.27e-05	0.0	120.0	-4.94	-0.02	-0.03	-4.54e-04	1.07e-03	0.02
332	14	0.04	0.03	5.85e-05	0.0	0.0	-4.65	-0.02	-0.03	-9.94e-04	0.03	0.04
		0.02	6.58e-04	-2.02e-05	0.0	120.0	-3.93	-0.02	-0.03	-9.94e-04	6.58e-04	0.02
332	17	0.04	0.04	4.83e-05	0.0	0.0	-5.65	-0.02	-0.03	-4.54e-04	0.04	0.04
		0.02	1.07e-03	-1.27e-05	0.0	120.0	-4.94	-0.02	-0.03	-4.54e-04	1.07e-03	0.02
332	18	0.04	0.03	5.44e-05	0.0	0.0	-5.05	-0.02	-0.03	-7.78e-04	0.03	0.04
		0.02	8.21e-04	-1.72e-05	0.0	120.0	-4.34	-0.02	-0.03	-7.78e-04	8.21e-04	0.02
332	24	0.22	-5.59e-03	6.43e-04	0.0	0.0	48.56	-0.24	0.02	-0.04	-0.02	0.22
		-0.07	-0.02	-5.28e-04	0.0	120.0	49.28	-0.24	0.02	-0.04	-5.59e-03	-0.07
332	25	0.11	0.09	-5.34e-04	0.0	0.0	-58.66	0.21	-0.07	0.04	0.09	-0.14
		-0.14	7.23e-03	4.93e-04	0.0	120.0	-57.95	0.21	-0.07	0.04	7.23e-03	0.11
332	40	0.11	9.50e-03	6.36e-04	0.0	0.0	57.63	-0.08	0.17	-0.05	-0.15	0.11
		0.05	-0.15	-6.97e-04	0.0	120.0	58.34	-0.08	0.17	-0.05	9.50e-03	0.05
332	41	-0.02	0.22	-5.28e-04	0.0	0.0	-67.73	0.04	-0.22	0.05	0.22	-0.03
		-0.03	-7.86e-03	6.63e-04	0.0	120.0	-67.01	0.04	-0.22	0.05	-7.86e-03	-0.02
332	56	0.17	-4.52e-03	4.95e-04	0.0	0.0	35.43	-0.19	6.05e-03	-0.03	-6.18e-03	0.17
		-0.05	-6.18e-03	-4.02e-04	0.0	120.0	36.14	-0.19	6.05e-03	-0.03	-4.52e-03	-0.05
332	59	0.17	0.06	3.24e-04	0.0	0.0	15.64	-0.20	-0.08	-0.01	0.06	0.17
		-0.10	-0.02	-1.84e-04	0.0	120.0	16.36	-0.20	-0.08	-0.01	-0.02	-0.10
332	72	0.09	7.86e-03	4.92e-04	0.0	0.0	42.36	-0.06	0.12	-0.04	-0.11	0.09
		0.04	-0.11	-5.31e-04	0.0	120.0	43.08	-0.06	0.12	-0.04	7.86e-03	0.04
332	73	-9.42e-03	0.18	-3.83e-04	0.0	0.0	-52.46	0.03	-0.17	0.04	0.18	-0.01
		-0.01	-6.22e-03	4.97e-04	0.0	120.0	-51.75	0.03	-0.17	0.04	-6.22e-03	-9.42e-03
332	88	0.16	-1.78e-03	4.45e-04	0.0	0.0	30.89	-0.17	2.30e-03	-0.03	-1.78e-03	0.16
		-0.04	-3.97e-03	-3.59e-04	0.0	120.0	31.60	-0.17	2.30e-03	-0.03	-3.97e-03	-0.04
332	91	0.15	0.06	2.93e-04	0.0	0.0	13.31	-0.18	-0.07	-0.01	0.06	0.15
		-0.09	-0.02	-1.65e-04	0.0	120.0	14.02	-0.18	-0.07	-0.01	-0.02	-0.09
332	104	0.08	7.14e-03	4.43e-04	0.0	0.0	37.06	-0.06	0.10	-0.03	-0.09	0.08
		0.04	-0.09	-4.74e-04	0.0	120.0	37.78	-0.06	0.10	-0.03	7.14e-03	0.04
332	105	-6.46e-03	0.16	-3.34e-04	0.0	0.0	-47.16	0.02	-0.16	0.03	0.16	-7.40e-03
		-7.40e-03	-5.49e-03	4.39e-04	0.0	120.0	-46.45	0.02	-0.16	0.03	-5.49e-03	-6.46e-03
332	120	0.26	-6.51e-03	7.62e-04	0.0	0.0	59.64	-0.29	0.03	-0.05	-0.03	0.26
		-0.09	-0.03	-6.33e-04	0.0	120.0	60.35	-0.29	0.03	-0.05	-6.51e-03	-0.09
332	121	0.12	0.10	-6.53e-04	0.0	0.0	-69.74	0.25	-0.08	0.04	0.10	-0.18
		-0.18	8.15e-03	5.98e-04	0.0	120.0	-69.02	0.25	-0.08	0.04	8.15e-03	0.12
332	136	0.12	0.01	7.56e-04	0.0	0.0	70.68	-0.09	0.21	-0.06	-0.19	0.12
		0.06	-0.19	-8.37e-04	0.0	120.0	71.39	-0.09	0.21	-0.06	0.01	0.06
332	137	-0.03	0.26	-6.48e-04	0.0	0.0	-80.78	0.05	-0.26	0.06	0.26	-0.04
		-0.04	-9.35e-03	8.03e-04	0.0	120.0	-80.06	0.05	-0.26	0.06	-9.35e-03	-0.03
333	1	0.26	0.02	1.54e-05	0.0	0.0	-13.70	-0.36	0.13	-4.42e-04	-0.08	0.26
		-0.03	-0.08	-1.16e-05	0.0	80.0	-13.08	-0.36	0.13	-4.42e-04	0.02	-0.03
333	2	0.42	0.06	2.43e-05	0.0	0.0	-5.88	-0.61	0.24	-1.72e-03	-0.13	0.42
		-0.07	-0.13	-1.81e-05	0.0	80.0	-5.26	-0.61	0.24	-1.72e-03	0.06	-0.07
333	4	0.31	0.05	1.93e-05	0.0	0.0	-1.57	-0.47	0.26	-1.70e-03	-0.16	0.31
		-0.06	-0.16	-1.59e-05	0.0	80.0	-1.10	-0.47	0.26	-1.70e-03	0.05	-0.06
333	8	0.24	0.05	1.72e-05	0.0	0.0	-2.31	-0.37	0.32	-1.61e-03	-0.20	0.24
		-0.06	-0.20	-1.63e-05	0.0	80.0	-1.83	-0.37	0.32	-1.61e-03	0.05	-0.06
333	9	0.18	0.01	1.10e-05	0.0	0.0	-10.53	-0.26	0.10	-2.87e-04	-0.06	0.18
		-0.02	-0.06	-8.43e-06	0.0	80.0	-10.05	-0.26	0.10	-2.87e-04	0.01	-0.02
333	10	0.29	0.04	1.69e-05	0.0	0.0	-5.32	-0.42	0.17	-1.14e-03	-0.10	0.29
		-0.05	-0.10	-1.27e-05	0.0	80.0	-4.84	-0.42	0.17	-1.14e-03	0.04	-0.05
333	12	0.24	0.04	1.56e-05	0.0	0.0	-5.81	-0.36	0.21	-1.08e-03	-0.13	0.24
		-0.04	-0.13	-1.30e-05	0.0	80.0	-5.33	-0.36	0.21	-1.08e-03	0.04	-0.04
333	13	0.20	5.06e-03	1.04e-05	0.0	0.0	-12.14	-0.28	8.50e-03	2.86e-06	-1.74e-03	0.20
		-0.02	-1.74e-03	-6.10e-06	0.0	80.0	-11.67	-0.28	8.50e-03	2.86e-06	5.06e-03	-0.02
333	14	0.25	0.02	1.34e-05	0.0	0.0	-9.53	-0.36	0.05	-4.24e-04	-0.02	0.25
		-0.03	-0.02	-8.26e-06	0.0	80.0	-9.06	-0.36	0.05	-4.24e-04	0.02	-0.03
333	16	0.23	0.02	1.24e-05	0.0	0.0	-10.04	-0.32	0.06	-3.50e-04	-0.03	0.23
		-0.03	-0.03	-8.17e-06	0.0	80.0	-9.56	-0.32	0.06	-3.50e-04	0.02	-0.03

333	17	0.20	5.06e-03	1.04e-05	0.0	0.0	-12.14	-0.28	8.50e-03	2.86e-06	-1.74e-03	0.20
		-0.02	-1.74e-03	-6.10e-06	0.0	80.0	-11.67	-0.28	8.50e-03	2.86e-06	5.06e-03	-0.02
333	18	0.23	0.01	1.22e-05	0.0	0.0	-10.58	-0.33	0.03	-2.54e-04	-0.01	0.23
		-0.03	-0.01	-7.39e-06	0.0	80.0	-10.10	-0.33	0.03	-2.54e-04	0.01	-0.03
333	27	5.58	3.23	1.26e-04	0.0	0.0	65.86	-7.67	-3.67	-0.01	3.23	5.58
		-0.57	0.29	-7.72e-05	0.0	80.0	66.33	-7.67	-3.67	-0.01	0.29	-0.57
333	30	0.52	-0.27	-1.02e-04	0.0	0.0	-87.01	7.01	3.73	0.01	-3.26	-5.11
		-5.11	-3.26	6.24e-05	0.0	80.0	-86.54	7.01	3.73	0.01	-0.27	0.52
333	35	2.71	5.54	-6.97e-05	0.0	0.0	-119.35	-2.97	-7.70	0.03	5.54	2.71
		0.32	-0.63	1.41e-04	0.0	80.0	-118.88	-2.97	-7.70	0.03	-0.63	0.32
333	38	-0.38	0.66	9.41e-05	0.0	0.0	98.20	2.31	7.76	-0.03	-5.56	-2.25
		-2.25	-5.56	-1.56e-04	0.0	80.0	98.68	2.31	7.76	-0.03	0.66	-0.38
333	40	0.76	0.95	1.81e-04	0.0	0.0	166.71	-1.94	6.69	-0.04	-4.41	0.76
		-0.79	-4.41	-2.29e-04	0.0	80.0	167.19	-1.94	6.69	-0.04	0.95	-0.79
333	41	0.73	4.39	-1.57e-04	0.0	0.0	-187.87	1.29	-6.63	0.04	4.39	-0.30
		-0.30	-0.93	2.14e-04	0.0	80.0	-187.39	1.29	-6.63	0.04	-0.93	0.73
333	59	4.23	2.39	9.81e-05	0.0	0.0	47.24	-5.82	-2.70	-0.01	2.39	4.23
		-0.44	0.23	-6.03e-05	0.0	80.0	47.72	-5.82	-2.70	-0.01	0.23	-0.44
333	62	0.39	-0.20	-7.38e-05	0.0	0.0	-68.40	5.17	2.76	0.01	-2.42	-3.76
		-3.76	-2.42	4.55e-05	0.0	80.0	-67.92	5.17	2.76	0.01	-0.20	0.39
333	67	2.04	4.12	-4.94e-05	0.0	0.0	-92.99	-2.23	-5.73	0.02	4.12	2.04
		0.24	-0.48	1.05e-04	0.0	80.0	-92.51	-2.23	-5.73	0.02	-0.48	0.24
333	70	-0.29	0.50	7.37e-05	0.0	0.0	71.83	1.58	5.79	-0.02	-4.14	-1.57
		-1.57	-4.14	-1.20e-04	0.0	80.0	72.31	1.58	5.79	-0.02	0.50	-0.29
333	72	0.68	0.72	1.39e-04	0.0	0.0	123.74	-1.61	5.02	-0.03	-3.30	0.68
		-0.60	-3.30	-1.75e-04	0.0	80.0	124.22	-1.61	5.02	-0.03	0.72	-0.60
333	73	0.55	3.28	-1.15e-04	0.0	0.0	-144.90	0.96	-4.96	0.03	3.28	-0.21
		-0.21	-0.70	1.60e-04	0.0	80.0	-144.42	0.96	-4.96	0.03	-0.70	0.55
333	91	3.77	2.12	8.84e-05	0.0	0.0	40.76	-5.20	-2.39	-9.74e-03	2.12	3.77
		-0.39	0.20	-5.43e-05	0.0	80.0	41.23	-5.20	-2.39	-9.74e-03	0.20	-0.39
333	94	0.34	-0.18	-6.41e-05	0.0	0.0	-61.91	4.54	2.45	9.23e-03	-2.14	-3.31
		-3.31	-2.14	3.95e-05	0.0	80.0	-61.43	4.54	2.45	9.23e-03	-0.18	0.34
333	99	1.83	3.65	-4.25e-05	0.0	0.0	-83.80	-2.01	-5.07	0.02	3.65	1.83
		0.21	-0.42	9.24e-05	0.0	80.0	-83.33	-2.01	-5.07	0.02	-0.42	0.21
333	102	-0.26	0.45	6.68e-05	0.0	0.0	62.65	1.35	5.14	-0.02	-3.67	-1.36
		-1.36	-3.67	-1.07e-04	0.0	80.0	63.12	1.35	5.14	-0.02	0.45	-0.26
333	104	0.64	0.65	1.25e-04	0.0	0.0	108.74	-1.47	4.46	-0.03	-2.93	0.64
		-0.54	-2.93	-1.56e-04	0.0	80.0	109.22	-1.47	4.46	-0.03	0.65	-0.54
333	105	0.48	2.90	-1.00e-04	0.0	0.0	-129.90	0.82	-4.40	0.03	2.90	-0.17
		-0.17	-0.62	1.41e-04	0.0	80.0	-129.42	0.82	-4.40	0.03	-0.62	0.48
333	123	6.62	3.85	1.49e-04	0.0	0.0	81.58	-9.11	-4.36	-0.02	3.85	6.62
		-0.69	0.35	-9.11e-05	0.0	80.0	82.06	-9.11	-4.36	-0.02	0.35	-0.69
333	126	0.63	-0.32	-1.25e-04	0.0	0.0	-102.74	8.45	4.42	0.02	-3.87	-6.15
		-6.15	-3.87	7.64e-05	0.0	80.0	-102.26	8.45	4.42	0.02	-0.32	0.63
333	131	3.19	6.66	-8.70e-05	0.0	0.0	-142.11	-3.47	-9.26	0.03	6.66	3.19
		0.40	-0.77	1.72e-04	0.0	80.0	-141.64	-3.47	-9.26	0.03	-0.77	0.40
333	134	-0.45	0.79	1.11e-04	0.0	0.0	120.96	2.81	9.32	-0.03	-6.68	-2.72
		-2.72	-6.68	-1.87e-04	0.0	80.0	121.44	2.81	9.32	-0.03	0.79	-0.45
333	136	0.88	1.15	2.16e-04	0.0	0.0	203.56	-2.29	8.07	-0.05	-5.32	0.88
		-0.95	-5.32	-2.75e-04	0.0	80.0	204.04	-2.29	8.07	-0.05	1.15	-0.95
333	137	0.89	5.30	-1.91e-04	0.0	0.0	-224.72	1.63	-8.00	0.05	5.30	-0.41
		-0.41	-1.12	2.60e-04	0.0	80.0	-224.24	1.63	-8.00	0.05	-1.12	0.89
334	2	-0.03	-0.03	-3.48e-05	0.0	0.0	-38.31	-0.11	-0.11	-2.99e-04	-0.03	-0.03
		-0.16	-0.16	5.57e-05	0.0	120.0	-37.35	-0.11	-0.11	-2.99e-04	-0.16	-0.16
334	3	-0.01	-5.86e-03	-2.00e-05	0.0	0.0	-24.62	-0.07	-0.04	-5.28e-05	-5.86e-03	-0.01
		-0.10	-0.05	2.21e-05	0.0	120.0	-23.89	-0.07	-0.04	-5.28e-05	-0.05	-0.10
334	5	-0.03	-0.01	-3.52e-05	0.0	0.0	-38.16	-0.11	-0.06	-8.61e-05	-0.01	-0.03
		-0.16	-0.08	3.34e-05	0.0	120.0	-37.21	-0.11	-0.06	-8.61e-05	-0.08	-0.16
334	6	-0.03	-0.03	-3.52e-05	0.0	0.0	-38.58	-0.11	-0.11	-2.44e-04	-0.03	-0.03
		-0.16	-0.15	5.48e-05	0.0	120.0	-37.63	-0.11	-0.11	-2.44e-04	-0.15	-0.16
334	8	-6.56e-03	-0.02	-2.05e-05	0.0	0.0	-25.50	-0.08	-0.10	-2.22e-04	-0.02	-6.56e-03
		-0.10	-0.15	5.19e-05	0.0	120.0	-24.77	-0.08	-0.10	-2.22e-04	-0.15	-0.10
334	9	-0.02	-4.63e-03	-2.37e-05	0.0	0.0	-26.96	-0.08	-0.03	-5.15e-05	-4.63e-03	-0.02
		-0.11	-0.04	1.80e-05	0.0	120.0	-26.23	-0.08	-0.03	-5.15e-05	-0.04	-0.11
334	10	-0.02	-0.02	-2.37e-05	0.0	0.0	-27.36	-0.08	-0.08	-2.02e-04	-0.02	-0.02
		-0.11	-0.11	3.84e-05	0.0	120.0	-26.63	-0.08	-0.08	-2.02e-04	-0.11	-0.11
334	11	-0.02	-7.14e-03	-2.40e-05	0.0	0.0	-27.26	-0.08	-0.04	-5.95e-05	-7.14e-03	-0.02
		-0.11	-0.06	2.35e-05	0.0	120.0	-26.53	-0.08	-0.04	-5.95e-05	-0.06	-0.11
334	12	-0.02	-0.02	-2.40e-05	0.0	0.0	-27.55	-0.08	-0.07	-1.65e-04	-0.02	-0.02
		-0.11	-0.11	3.78e-05	0.0	120.0	-26.81	-0.08	-0.07	-1.65e-04	-0.11	-0.11
334	13	-0.02	-8.60e-04	-2.32e-05	0.0	0.0	-26.50	-0.08	-0.02	-3.94e-05	-8.60e-04	-0.02
		-0.11	-0.02	9.63e-06	0.0	120.0	-25.77	-0.08	-0.02	-3.94e-05	-0.02	-0.11
334	14	-0.02	-7.82e-03	-2.32e-05	0.0	0.0	-26.70	-0.08	-0.04	-1.14e-04	-7.82e-03	-0.02
		-0.11	-0.06	1.98e-05	0.0	120.0	-25.97	-0.08	-0.04	-1.14e-04	-0.06	-0.11
334	15	-0.02	-2.12e-03	-2.34e-05	0.0	0.0	-26.65	-0.08	-0.02	-4.34e-05	-2.12e-03	-0.02

		-0.11	-0.03	1.24e-05	0.0	120.0	-25.92	-0.08	-0.02	-4.34e-05	-0.03	-0.11
334	16	-0.02	-6.29e-03	-2.34e-05	0.0	0.0	-26.77	-0.08	-0.04	-8.85e-05	-6.29e-03	-0.02
		-0.11	-0.05	1.85e-05	0.0	120.0	-26.04	-0.08	-0.04	-8.85e-05	-0.05	-0.11
334	17	-0.02	-8.60e-04	-2.32e-05	0.0	0.0	-26.50	-0.08	-0.02	-3.94e-05	-8.60e-04	-0.02
		-0.11	-0.02	9.63e-06	0.0	120.0	-25.77	-0.08	-0.02	-3.94e-05	-0.02	-0.11
334	18	-0.02	-5.04e-03	-2.32e-05	0.0	0.0	-26.62	-0.08	-0.03	-8.45e-05	-5.04e-03	-0.02
		-0.11	-0.04	1.58e-05	0.0	120.0	-25.89	-0.08	-0.03	-8.45e-05	-0.04	-0.11
334	19	0.03	-0.26	-3.80e-04	0.0	0.0	-67.33	0.39	-0.58	7.29e-03	-0.26	-0.76
		-0.76	-0.94	2.98e-04	0.0	120.0	-66.60	0.39	-0.58	7.29e-03	-0.94	0.03
334	22	0.72	0.85	3.33e-04	0.0	0.0	14.10	-0.55	0.52	-7.46e-03	0.25	0.72
		-0.26	0.25	-2.66e-04	0.0	120.0	14.83	-0.55	0.52	-7.46e-03	0.85	-0.26
334	24	0.10	-0.62	-2.79e-04	0.0	0.0	-83.74	0.22	-1.48	3.87e-03	-0.62	-0.51
		-0.51	-2.38	7.55e-04	0.0	120.0	-83.01	0.22	-1.48	3.87e-03	-2.38	0.10
334	25	0.46	2.29	2.33e-04	0.0	0.0	30.51	-0.38	1.42	-4.04e-03	0.61	0.46
		-0.33	0.61	-7.23e-04	0.0	120.0	31.24	-0.38	1.42	-4.04e-03	2.29	-0.33
334	40	0.29	-0.83	8.02e-05	0.0	0.0	-65.73	-0.29	-2.01	-4.83e-03	-0.83	0.29
		0.05	-3.22	1.01e-03	0.0	120.0	-65.00	-0.29	-2.01	-4.83e-03	-3.22	0.05
334	41	-0.28	3.13	-1.27e-04	0.0	0.0	12.49	0.13	1.95	4.66e-03	0.82	-0.33
		-0.33	0.82	-9.79e-04	0.0	120.0	13.22	0.13	1.95	4.66e-03	3.13	-0.28
334	51	-4.16e-03	-0.19	-2.90e-04	0.0	0.0	-57.34	0.28	-0.45	5.41e-03	-0.19	-0.57
		-0.57	-0.72	2.27e-04	0.0	120.0	-56.61	0.28	-0.45	5.41e-03	-0.72	-4.16e-03
334	54	0.53	0.63	2.43e-04	0.0	0.0	4.10	-0.43	0.38	-5.58e-03	0.18	0.53
		-0.22	0.18	-1.95e-04	0.0	120.0	4.83	-0.43	0.38	-5.58e-03	0.63	-0.22
334	56	0.04	-0.47	-2.15e-04	0.0	0.0	-69.63	0.15	-1.13	2.83e-03	-0.47	-0.38
		-0.38	-1.80	5.73e-04	0.0	120.0	-68.90	0.15	-1.13	2.83e-03	-1.80	0.04
334	57	0.34	1.71	1.69e-04	0.0	0.0	16.39	-0.30	1.06	-3.00e-03	0.46	0.34
		-0.27	0.46	-5.41e-04	0.0	120.0	17.12	-0.30	1.06	-3.00e-03	1.71	-0.27
334	72	0.20	-0.63	5.08e-05	0.0	0.0	-56.01	-0.23	-1.53	-3.64e-03	-0.63	0.20
		7.51e-03	-2.45	7.68e-04	0.0	120.0	-55.28	-0.23	-1.53	-3.64e-03	-2.45	7.51e-03
334	73	-0.24	2.36	-9.73e-05	0.0	0.0	2.77	0.08	1.46	3.47e-03	0.62	-0.25
		-0.25	0.62	-7.36e-04	0.0	120.0	3.50	0.08	1.46	3.47e-03	2.36	-0.24
334	83	-0.02	-0.17	-2.60e-04	0.0	0.0	-53.87	0.24	-0.40	4.79e-03	-0.17	-0.51
		-0.51	-0.64	2.03e-04	0.0	120.0	-53.14	0.24	-0.40	4.79e-03	-0.64	-0.02
334	86	0.47	0.55	2.13e-04	0.0	0.0	0.63	-0.39	0.33	-4.96e-03	0.16	0.47
		-0.21	0.16	-1.71e-04	0.0	120.0	1.37	-0.39	0.33	-4.96e-03	0.55	-0.21
334	88	0.03	-0.42	-1.94e-04	0.0	0.0	-64.77	0.12	-1.00	2.50e-03	-0.42	-0.34
		-0.34	-1.61	5.10e-04	0.0	120.0	-64.04	0.12	-1.00	2.50e-03	-1.61	0.03
334	89	0.30	1.52	1.47e-04	0.0	0.0	11.53	-0.28	0.94	-2.67e-03	0.41	0.30
		-0.25	0.41	-4.79e-04	0.0	120.0	12.27	-0.28	0.94	-2.67e-03	1.52	-0.25
334	104	0.18	-0.56	4.21e-05	0.0	0.0	-52.69	-0.21	-1.36	-3.24e-03	-0.56	0.18
		-6.26e-03	-2.18	6.84e-04	0.0	120.0	-51.96	-0.21	-1.36	-3.24e-03	-2.18	-6.26e-03
334	105	-0.22	2.09	-8.86e-05	0.0	0.0	-0.55	0.06	1.30	3.07e-03	0.55	-0.22
		-0.22	0.55	-6.52e-04	0.0	120.0	0.19	0.06	1.30	3.07e-03	2.09	-0.22
334	115	0.06	-0.31	-4.48e-04	0.0	0.0	-75.09	0.48	-0.69	8.74e-03	-0.31	-0.90
		-0.90	-1.12	3.55e-04	0.0	120.0	-74.36	0.48	-0.69	8.74e-03	-1.12	0.06
334	118	0.86	1.03	4.01e-04	0.0	0.0	21.85	-0.64	0.63	-8.90e-03	0.30	0.86
		-0.29	0.30	-3.23e-04	0.0	120.0	22.58	-0.64	0.63	-8.90e-03	1.03	-0.29
334	120	0.14	-0.75	-3.28e-04	0.0	0.0	-94.68	0.28	-1.78	4.64e-03	-0.75	-0.60
		-0.60	-2.86	9.06e-04	0.0	120.0	-93.95	0.28	-1.78	4.64e-03	-2.86	0.14
334	121	0.56	2.77	2.82e-04	0.0	0.0	41.44	-0.43	1.71	-4.81e-03	0.74	0.56
		-0.37	0.74	-8.75e-04	0.0	120.0	42.17	-0.43	1.71	-4.81e-03	2.77	-0.37
334	136	0.35	-0.99	1.02e-04	0.0	0.0	-73.17	-0.33	-2.42	-5.83e-03	-0.99	0.35
		0.08	-3.87	1.22e-03	0.0	120.0	-72.44	-0.33	-2.42	-5.83e-03	-3.87	0.08
334	137	-0.31	3.78	-1.48e-04	0.0	0.0	19.93	0.18	2.35	5.66e-03	0.98	-0.39
		-0.39	0.98	-1.18e-03	0.0	120.0	20.66	0.18	2.35	5.66e-03	3.78	-0.31
335	2	-0.10	-0.04	-6.19e-05	0.0	0.0	-37.03	-0.05	-0.02	-5.79e-04	-0.04	-0.10
		-0.17	-0.07	5.66e-05	0.0	120.0	-36.08	-0.05	-0.02	-5.79e-04	-0.07	-0.17
335	3	-0.03	-0.01	-2.62e-05	0.0	0.0	-21.42	-0.05	-5.46e-03	-1.14e-04	-0.01	-0.03
		-0.09	-0.02	2.25e-05	0.0	120.0	-20.69	-0.05	-5.46e-03	-1.14e-04	-0.02	-0.09
335	7	-0.04	-0.02	-2.79e-05	0.0	0.0	-21.34	-0.05	-0.01	-1.63e-04	-0.02	-0.04
		-0.09	-0.03	3.09e-05	0.0	120.0	-20.61	-0.05	-0.01	-1.63e-04	-0.03	-0.09
335	9	-0.03	-8.86e-03	-2.90e-05	0.0	0.0	-24.09	-0.06	-3.38e-03	-8.38e-05	-8.86e-03	-0.03
		-0.11	-0.01	1.83e-05	0.0	120.0	-23.36	-0.06	-3.38e-03	-8.38e-05	-0.01	-0.11
335	10	-0.07	-0.03	-4.25e-05	0.0	0.0	-26.15	-0.04	-0.02	-3.94e-04	-0.03	-0.07
		-0.12	-0.05	3.90e-05	0.0	120.0	-25.42	-0.04	-0.02	-3.94e-04	-0.05	-0.12
335	11	-0.04	-0.01	-3.02e-05	0.0	0.0	-24.05	-0.06	-7.03e-03	-1.17e-04	-0.01	-0.04
		-0.11	-0.02	2.39e-05	0.0	120.0	-23.32	-0.06	-7.03e-03	-1.17e-04	-0.02	-0.11
335	13	-0.02	-1.46e-03	-2.73e-05	0.0	0.0	-24.17	-0.07	2.09e-03	-3.41e-05	-3.96e-03	-0.02
		-0.10	-3.96e-03	9.87e-06	0.0	120.0	-23.43	-0.07	2.09e-03	-3.41e-05	-1.46e-03	-0.10
335	14	-0.04	-0.01	-3.40e-05	0.0	0.0	-25.19	-0.06	-3.74e-03	-1.89e-04	-0.01	-0.04
		-0.11	-0.02	2.02e-05	0.0	120.0	-24.46	-0.06	-3.74e-03	-1.89e-04	-0.02	-0.11
335	15	-0.03	-5.28e-03	-2.79e-05	0.0	0.0	-24.14	-0.06	2.65e-04	-5.07e-05	-5.60e-03	-0.03
		-0.10	-5.60e-03	1.27e-05	0.0	120.0	-23.41	-0.06	2.65e-04	-5.07e-05	-5.28e-03	-0.10
335	17	-0.02	-1.46e-03	-2.73e-05	0.0	0.0	-24.17	-0.07	2.09e-03	-3.41e-05	-3.96e-03	-0.02
		-0.10	-3.96e-03	9.87e-06	0.0	120.0	-23.43	-0.07	2.09e-03	-3.41e-05	-1.46e-03	-0.10

335	18	-0.04	-9.55e-03	-3.14e-05	0.0	0.0	-24.78	-0.06	-1.41e-03	-1.27e-04	-9.55e-03	-0.04
		-0.11	-0.01	1.61e-05	0.0	120.0	-24.05	-0.06	-1.41e-03	-1.27e-04	-0.01	-0.11
335	27	-0.30	-0.34	-2.79e-04	0.0	0.0	-97.86	0.30	0.64	-4.15e-03	-0.34	-0.62
		-0.62	-0.65	3.42e-04	0.0	120.0	-97.13	0.30	0.64	-4.15e-03	-0.65	-0.30
335	28	-0.44	-0.83	-4.49e-04	0.0	0.0	-72.56	0.62	0.26	-9.39e-03	-0.83	-1.13
		-1.13	-1.57	8.44e-04	0.0	120.0	-71.83	0.62	0.26	-9.39e-03	-1.57	-0.44
335	29	1.06	1.55	3.87e-04	0.0	0.0	23.00	-0.74	-0.27	9.13e-03	0.81	1.06
		0.23	0.81	-8.12e-04	0.0	120.0	23.73	-0.74	-0.27	9.13e-03	1.55	0.23
335	30	0.55	0.62	2.16e-04	0.0	0.0	48.30	-0.42	-0.64	3.90e-03	0.32	0.55
		0.09	0.32	-3.10e-04	0.0	120.0	49.03	-0.42	-0.64	3.90e-03	0.62	0.09
335	40	-0.42	-0.99	-4.15e-04	0.0	0.0	-0.74	0.62	-0.49	-0.01	-0.99	-1.12
		-1.12	-1.89	1.03e-03	0.0	120.0	-8.63e-03	0.62	-0.49	-0.01	-1.89	-0.42
335	41	1.05	1.87	3.53e-04	0.0	0.0	-48.82	-0.74	0.48	0.01	0.98	1.05
		0.21	0.98	-9.93e-04	0.0	120.0	-48.09	-0.74	0.48	0.01	1.87	0.21
335	59	-0.25	-0.26	-2.17e-04	0.0	0.0	-79.05	0.22	0.48	-3.18e-03	-0.26	-0.48
		-0.48	-0.49	2.64e-04	0.0	120.0	-78.32	0.22	0.48	-3.18e-03	-0.49	-0.25
335	60	-0.36	-0.63	-3.45e-04	0.0	0.0	-60.40	0.46	0.20	-7.14e-03	-0.63	-0.86
		-0.86	-1.19	6.43e-04	0.0	120.0	-59.67	0.46	0.20	-7.14e-03	-1.19	-0.36
335	61	0.79	1.17	2.83e-04	0.0	0.0	10.83	-0.58	-0.20	6.89e-03	0.61	0.79
		0.14	0.61	-6.11e-04	0.0	120.0	11.56	-0.58	-0.20	6.89e-03	1.17	0.14
335	62	0.41	0.47	1.55e-04	0.0	0.0	29.49	-0.34	-0.48	2.92e-03	0.24	0.41
		0.04	0.24	-2.31e-04	0.0	120.0	30.22	-0.34	-0.48	2.92e-03	0.47	0.04
335	72	-0.34	-0.75	-3.20e-04	0.0	0.0	-7.17	0.46	-0.37	-8.25e-03	-0.75	-0.86
		-0.86	-1.43	7.79e-04	0.0	120.0	-6.44	0.46	-0.37	-8.25e-03	-1.43	-0.34
335	73	0.79	1.41	2.57e-04	0.0	0.0	-42.39	-0.58	0.36	7.99e-03	0.74	0.79
		0.13	0.74	-7.47e-04	0.0	120.0	-41.66	-0.58	0.36	7.99e-03	1.41	0.13
335	91	-0.24	-0.23	-1.96e-04	0.0	0.0	-72.86	0.19	0.43	-2.83e-03	-0.23	-0.43
		-0.43	-0.44	2.36e-04	0.0	120.0	-72.13	0.19	0.43	-2.83e-03	-0.44	-0.24
335	94	0.36	0.42	1.34e-04	0.0	0.0	23.30	-0.31	-0.43	2.58e-03	0.21	0.36
		0.02	0.21	-2.04e-04	0.0	120.0	24.03	-0.31	-0.43	2.58e-03	0.42	0.02
335	104	-0.31	-0.67	-2.88e-04	0.0	0.0	-9.20	0.40	-0.33	-7.34e-03	-0.67	-0.77
		-0.77	-1.27	6.94e-04	0.0	120.0	-8.47	0.40	-0.33	-7.34e-03	-1.27	-0.31
335	105	0.69	1.25	2.25e-04	0.0	0.0	-40.36	-0.52	0.32	7.09e-03	0.65	0.69
		0.10	0.65	-6.62e-04	0.0	120.0	-39.63	-0.52	0.32	7.09e-03	1.25	0.10
335	123	-0.35	-0.40	-3.28e-04	0.0	0.0	-112.50	0.38	0.76	-4.97e-03	-0.40	-0.74
		-0.74	-0.76	4.06e-04	0.0	120.0	-111.77	0.38	0.76	-4.97e-03	-0.76	-0.35
335	124	-0.51	-0.99	-5.34e-04	0.0	0.0	-82.05	0.76	0.31	-0.01	-0.99	-1.35
		-1.35	-1.88	1.01e-03	0.0	120.0	-81.32	0.76	0.31	-0.01	-1.88	-0.51
335	125	1.28	1.86	4.72e-04	0.0	0.0	32.49	-0.88	-0.32	0.01	0.97	1.28
		0.30	0.97	-9.79e-04	0.0	120.0	33.22	-0.88	-0.32	0.01	1.86	0.30
335	126	0.67	0.74	2.66e-04	0.0	0.0	62.93	-0.50	-0.76	4.71e-03	0.38	0.67
		0.13	0.38	-3.74e-04	0.0	120.0	63.67	-0.50	-0.76	4.71e-03	0.74	0.13
335	136	-0.48	-1.19	-4.94e-04	0.0	0.0	4.22	0.77	-0.59	-0.01	-1.19	-1.35
		-1.35	-2.27	1.23e-03	0.0	120.0	4.95	0.77	-0.59	-0.01	-2.27	-0.48
335	137	1.28	2.25	4.32e-04	0.0	0.0	-53.78	-0.89	0.58	0.01	1.18	1.28
		0.27	1.18	-1.20e-03	0.0	120.0	-53.05	-0.89	0.58	0.01	2.25	0.27
336	3	-0.01	-7.64e-03	-1.75e-05	0.0	0.0	-11.40	0.04	0.05	-2.87e-04	-0.07	-0.06
		-0.06	-0.07	-2.55e-05	0.0	120.0	-10.69	0.04	0.05	-2.87e-04	-7.64e-03	-0.01
336	6	-0.02	-0.01	-3.50e-05	0.0	0.0	-16.11	0.06	0.09	-1.20e-03	-0.12	-0.10
		-0.10	-0.12	-4.35e-05	0.0	120.0	-15.18	0.06	0.09	-1.20e-03	-0.01	-0.02
336	8	-0.02	-5.37e-03	-3.22e-05	0.0	0.0	-12.75	0.05	0.07	-1.20e-03	-0.08	-0.07
		-0.07	-0.08	-2.63e-05	0.0	120.0	-12.04	0.05	0.07	-1.20e-03	-5.37e-03	-0.02
336	9	-0.01	-0.01	-1.50e-05	0.0	0.0	-11.21	0.04	0.06	-1.83e-04	-0.08	-0.06
		-0.06	-0.08	-2.94e-05	0.0	120.0	-10.49	0.04	0.06	-1.83e-04	-0.01	-0.01
336	12	-0.02	-9.12e-03	-2.48e-05	0.0	0.0	-12.10	0.04	0.06	-7.91e-04	-0.09	-0.07
		-0.07	-0.09	-3.00e-05	0.0	120.0	-11.39	0.04	0.06	-7.91e-04	-9.12e-03	-0.02
336	13	-0.01	-0.01	-1.03e-05	0.0	0.0	-10.65	0.03	0.05	3.70e-05	-0.07	-0.05
		-0.05	-0.07	-2.88e-05	0.0	120.0	-9.93	0.03	0.05	3.70e-05	-0.01	-0.01
336	14	-0.01	-0.01	-1.50e-05	0.0	0.0	-11.02	0.04	0.05	-2.93e-04	-0.08	-0.06
		-0.06	-0.08	-2.89e-05	0.0	120.0	-10.31	0.04	0.05	-2.93e-04	-0.01	-0.01
336	16	-0.01	-0.01	-1.47e-05	0.0	0.0	-11.06	0.04	0.05	-2.34e-04	-0.08	-0.06
		-0.06	-0.08	-2.91e-05	0.0	120.0	-10.34	0.04	0.05	-2.34e-04	-0.01	-0.01
336	17	-0.01	-0.01	-1.03e-05	0.0	0.0	-10.65	0.03	0.05	3.70e-05	-0.07	-0.05
		-0.05	-0.07	-2.88e-05	0.0	120.0	-9.93	0.03	0.05	3.70e-05	-0.01	-0.01
336	18	-0.01	-0.01	-1.31e-05	0.0	0.0	-10.87	0.03	0.05	-1.61e-04	-0.08	-0.06
		-0.06	-0.08	-2.89e-05	0.0	120.0	-10.16	0.03	0.05	-1.61e-04	-0.01	-0.01
336	19	-0.01	0.07	-1.51e-04	0.0	0.0	71.73	0.03	0.28	-8.92e-03	-0.36	-0.03
		-0.03	-0.36	-3.83e-04	0.0	120.0	72.44	0.03	0.28	-8.92e-03	0.07	-0.01
336	20	-0.04	0.14	-3.86e-04	0.0	0.0	33.67	0.22	0.41	-0.02	-0.49	-0.30
		-0.30	-0.49	-2.77e-04	0.0	120.0	34.39	0.22	0.41	-0.02	0.14	-0.04
336	21	0.19	0.34	3.60e-04	0.0	0.0	-55.41	-0.16	-0.31	0.02	0.34	0.19
		0.01	-0.17	2.19e-04	0.0	120.0	-54.70	-0.16	-0.31	0.02	-0.17	0.01
336	22	-0.02	0.21	1.25e-04	0.0	0.0	-93.47	0.04	-0.17	8.60e-03	0.21	-0.08
		-0.08	-0.09	3.25e-04	0.0	120.0	-92.76	0.04	-0.17	8.60e-03	-0.09	-0.02
336	40	-0.07	0.16	-4.85e-04	0.0	0.0	-56.81	0.40	0.36	-0.03	-0.40	-0.55

		-0.55	-0.40	7.12e-05	0.0	120.0	-56.09	0.40	0.36	-0.03	0.16	-0.07
336	41	0.44	0.25	4.59e-04	0.0	0.0	35.07	-0.33	-0.26	0.03	0.25	0.44
		0.04	-0.18	-1.29e-04	0.0	120.0	35.78	-0.33	-0.26	0.03	-0.18	0.04
336	52	-0.04	0.11	-2.94e-04	0.0	0.0	22.11	0.18	0.33	-0.02	-0.39	-0.24
		-0.24	-0.39	-2.16e-04	0.0	120.0	22.83	0.18	0.33	-0.02	0.11	-0.04
336	53	0.13	0.24	2.68e-04	0.0	0.0	-43.86	-0.11	-0.22	0.02	0.24	0.13
		9.18e-03	-0.13	1.58e-04	0.0	120.0	-43.14	-0.11	-0.22	0.02	-0.13	9.18e-03
336	67	0.26	0.01	2.25e-04	0.0	0.0	50.66	-0.19	-0.06	0.02	0.01	0.26
		0.02	-0.08	-2.27e-04	0.0	120.0	51.37	-0.19	-0.06	0.02	-0.08	0.02
336	70	-0.05	0.06	-2.51e-04	0.0	0.0	-72.40	0.26	0.16	-0.02	-0.16	-0.37
		-0.37	-0.16	1.69e-04	0.0	120.0	-71.69	0.26	0.16	-0.02	0.06	-0.05
336	72	-0.06	0.11	-3.70e-04	0.0	0.0	-45.03	0.31	0.29	-0.02	-0.32	-0.43
		-0.43	-0.32	4.27e-05	0.0	120.0	-44.31	0.31	0.29	-0.02	0.11	-0.06
336	73	0.32	0.17	3.44e-04	0.0	0.0	23.28	-0.24	-0.18	0.02	0.17	0.32
		0.03	-0.14	-1.00e-04	0.0	120.0	24.00	-0.24	-0.18	0.02	-0.14	0.03
336	84	-0.03	0.09	-2.63e-04	0.0	0.0	18.33	0.16	0.30	-0.02	-0.36	-0.22
		-0.22	-0.36	-1.94e-04	0.0	120.0	19.04	0.16	0.30	-0.02	0.09	-0.03
336	85	0.11	0.20	2.36e-04	0.0	0.0	-40.07	-0.09	-0.19	0.02	0.20	0.11
		6.79e-03	-0.12	1.37e-04	0.0	120.0	-39.36	-0.09	-0.19	0.02	-0.12	6.79e-03
336	99	0.23	1.20e-03	1.99e-04	0.0	0.0	43.68	-0.17	-0.04	0.01	1.20e-03	0.23
		0.02	-0.08	-2.04e-04	0.0	120.0	44.39	-0.17	-0.04	0.01	-0.08	0.02
336	102	-0.05	0.05	-2.25e-04	0.0	0.0	-65.42	0.24	0.15	-0.01	-0.15	-0.34
		-0.34	-0.15	1.47e-04	0.0	120.0	-64.71	0.24	0.15	-0.01	0.05	-0.05
336	104	-0.05	0.10	-3.30e-04	0.0	0.0	-41.15	0.28	0.26	-0.02	-0.29	-0.38
		-0.38	-0.29	3.43e-05	0.0	120.0	-40.44	0.28	0.26	-0.02	0.10	-0.05
336	105	0.27	0.14	3.04e-04	0.0	0.0	19.41	-0.21	-0.16	0.02	0.14	0.27
		0.02	-0.12	-9.21e-05	0.0	120.0	20.12	-0.21	-0.16	0.02	-0.12	0.02
336	116	-0.05	0.18	-4.63e-04	0.0	0.0	42.18	0.27	0.49	-0.03	-0.58	-0.36
		-0.36	-0.58	-3.23e-04	0.0	120.0	42.89	0.27	0.49	-0.03	0.18	-0.05
336	117	0.24	0.43	4.37e-04	0.0	0.0	-63.92	-0.20	-0.38	0.03	0.43	0.24
		0.02	-0.20	2.66e-04	0.0	120.0	-63.21	-0.20	-0.38	0.03	-0.20	0.02
336	131	0.45	0.06	3.67e-04	0.0	0.0	88.17	-0.33	-0.12	0.03	0.06	0.45
		0.04	-0.13	-3.48e-04	0.0	120.0	88.89	-0.33	-0.12	0.03	-0.13	0.04
336	134	-0.07	0.10	-3.93e-04	0.0	0.0	-109.92	0.40	0.23	-0.03	-0.21	-0.56
		-0.56	-0.21	2.90e-04	0.0	120.0	-109.20	0.40	0.23	-0.03	0.10	-0.07
336	136	-0.08	0.19	-5.83e-04	0.0	0.0	-66.43	0.47	0.43	-0.04	-0.46	-0.65
		-0.65	-0.46	9.21e-05	0.0	120.0	-65.72	0.47	0.43	-0.04	0.19	-0.08
336	137	0.54	0.31	5.56e-04	0.0	0.0	44.69	-0.40	-0.32	0.04	0.31	0.54
		0.05	-0.21	-1.50e-04	0.0	120.0	45.40	-0.40	-0.32	0.04	-0.21	0.05
337	1	0.02	0.03	-2.27e-05	0.0	0.0	-12.49	-0.06	-0.10	-4.42e-04	0.03	0.02
		-0.05	-0.09	-3.34e-05	0.0	120.0	-11.56	-0.06	-0.10	-4.42e-04	-0.09	-0.05
337	2	0.06	0.07	-3.28e-05	0.0	0.0	-5.58	-0.12	-0.17	-1.72e-03	0.07	0.06
		-0.09	-0.13	-4.89e-05	0.0	120.0	-4.65	-0.12	-0.17	-1.72e-03	-0.13	-0.09
337	4	0.06	0.06	-2.88e-05	0.0	0.0	-1.70	-0.11	-0.14	-1.70e-03	0.06	0.06
		-0.07	-0.10	-3.69e-05	0.0	120.0	-0.99	-0.11	-0.14	-1.70e-03	-0.10	-0.07
337	9	0.01	0.02	-1.68e-05	0.0	0.0	-9.61	-0.04	-0.07	-2.87e-04	0.02	0.01
		-0.03	-0.06	-2.35e-05	0.0	120.0	-8.89	-0.04	-0.07	-2.87e-04	-0.06	-0.03
337	10	0.04	0.05	-2.35e-05	0.0	0.0	-5.00	-0.08	-0.12	-1.14e-03	0.05	0.04
		-0.06	-0.09	-3.39e-05	0.0	120.0	-4.28	-0.08	-0.12	-1.14e-03	-0.09	-0.06
337	13	4.96e-03	0.02	-1.29e-05	0.0	0.0	-11.02	-0.02	-0.06	2.86e-06	0.02	4.96e-03
		-0.02	-0.06	-2.25e-05	0.0	120.0	-10.30	-0.02	-0.06	2.86e-06	-0.06	-0.02
337	14	0.02	0.03	-1.63e-05	0.0	0.0	-8.71	-0.05	-0.09	-4.24e-04	0.03	0.02
		-0.04	-0.07	-2.77e-05	0.0	120.0	-8.00	-0.05	-0.09	-4.24e-04	-0.07	-0.04
337	17	4.96e-03	0.02	-1.29e-05	0.0	0.0	-11.02	-0.02	-0.06	2.86e-06	0.02	4.96e-03
		-0.02	-0.06	-2.25e-05	0.0	120.0	-10.30	-0.02	-0.06	2.86e-06	-0.06	-0.02
337	18	0.01	0.03	-1.49e-05	0.0	0.0	-9.64	-0.04	-0.08	-2.54e-04	0.03	0.01
		-0.03	-0.07	-2.56e-05	0.0	120.0	-8.92	-0.04	-0.08	-2.54e-04	-0.07	-0.03
337	28	0.77	0.91	-3.31e-04	0.0	0.0	131.71	-1.33	-1.54	-0.04	0.91	0.77
		-0.82	-0.94	-3.55e-04	0.0	120.0	132.42	-1.33	-1.54	-0.04	-0.94	-0.82
337	40	0.98	0.79	-3.99e-04	0.0	0.0	145.54	-1.61	-1.41	-0.04	0.79	0.98
		-0.96	-0.90	-3.19e-04	0.0	120.0	146.26	-1.61	-1.41	-0.04	-0.90	-0.96
337	41	0.89	0.77	3.69e-04	0.0	0.0	-164.81	1.53	1.25	0.04	-0.74	-0.95
		-0.95	-0.74	2.67e-04	0.0	120.0	-164.10	1.53	1.25	0.04	0.77	0.89
337	60	0.59	0.70	-2.53e-04	0.0	0.0	97.33	-1.01	-1.18	-0.03	0.70	0.59
		-0.63	-0.72	-2.73e-04	0.0	120.0	98.05	-1.01	-1.18	-0.03	-0.72	-0.63
337	72	0.74	0.61	-3.05e-04	0.0	0.0	107.91	-1.23	-1.08	-0.03	0.61	0.74
		-0.73	-0.70	-2.46e-04	0.0	120.0	108.62	-1.23	-1.08	-0.03	-0.70	-0.73
337	73	0.67	0.56	2.75e-04	0.0	0.0	-127.18	1.15	0.93	0.03	-0.55	-0.72
		-0.72	-0.55	1.94e-04	0.0	120.0	-126.47	1.15	0.93	0.03	0.56	0.67
337	92	0.52	0.62	-2.27e-04	0.0	0.0	85.36	-0.90	-1.06	-0.02	0.62	0.52
		-0.56	-0.65	-2.45e-04	0.0	120.0	86.08	-0.90	-1.06	-0.02	-0.65	-0.56
337	104	0.66	0.54	-2.73e-04	0.0	0.0	94.78	-1.09	-0.97	-0.03	0.54	0.66
		-0.65	-0.62	-2.21e-04	0.0	120.0	95.50	-1.09	-0.97	-0.03	-0.62	-0.65
337	105	0.59	0.49	2.43e-04	0.0	0.0	-114.05	1.02	0.82	0.03	-0.49	-0.64
		-0.64	-0.49	1.70e-04	0.0	120.0	-113.34	1.02	0.82	0.03	0.49	0.59

337	124	0.93	1.10	-3.94e-04	0.0	0.0	160.99	-1.59	-1.84	-0.04	1.10	0.93
		-0.99	-1.12	-4.22e-04	0.0	120.0	161.71	-1.59	-1.84	-0.04	-1.12	-0.99
337	136	1.18	0.95	-4.78e-04	0.0	0.0	177.81	-1.93	-1.68	-0.05	0.95	1.18
		-1.15	-1.07	-3.79e-04	0.0	120.0	178.52	-1.93	-1.68	-0.05	-1.07	-1.15
337	137	1.08	0.94	4.48e-04	0.0	0.0	-197.08	1.86	1.53	0.05	-0.89	-1.15
		-1.15	-0.89	3.28e-04	0.0	120.0	-196.36	1.86	1.53	0.05	0.94	1.08
338	1	-9.02e-03	-0.02	-2.08e-05	0.0	0.0	-10.83	0.03	0.06	-4.42e-04	-0.09	-0.05
		-0.05	-0.09	-4.84e-05	0.0	120.0	-9.90	0.03	0.06	-4.42e-04	-0.02	-9.02e-03
338	2	-0.02	-0.02	-3.43e-05	0.0	0.0	-4.94	0.06	0.09	-1.72e-03	-0.13	-0.09
		-0.09	-0.13	-6.76e-05	0.0	120.0	-4.01	0.06	0.09	-1.72e-03	-0.02	-0.02
338	3	-8.23e-03	-0.01	-1.78e-05	0.0	0.0	-7.50	0.02	0.04	-4.20e-04	-0.06	-0.03
		-0.03	-0.06	-3.05e-05	0.0	120.0	-6.79	0.02	0.04	-4.20e-04	-0.01	-8.23e-03
338	4	-0.02	-0.02	-3.13e-05	0.0	0.0	-1.62	0.05	0.07	-1.70e-03	-0.10	-0.07
		-0.07	-0.10	-4.97e-05	0.0	120.0	-0.90	0.05	0.07	-1.70e-03	-0.02	-0.02
338	9	-6.57e-03	-0.01	-1.54e-05	0.0	0.0	-8.33	0.02	0.04	-2.87e-04	-0.06	-0.03
		-0.03	-0.06	-3.38e-05	0.0	120.0	-7.62	0.02	0.04	-2.87e-04	-0.01	-6.57e-03
338	10	-0.01	-0.02	-2.44e-05	0.0	0.0	-4.41	0.04	0.06	-1.14e-03	-0.09	-0.06
		-0.06	-0.09	-4.66e-05	0.0	120.0	-3.69	0.04	0.06	-1.14e-03	-0.02	-0.01
338	13	-3.49e-03	-8.59e-03	-1.09e-05	0.0	0.0	-9.52	0.02	0.04	2.86e-06	-0.06	-0.02
		-0.02	-0.06	-3.24e-05	0.0	120.0	-8.81	0.02	0.04	2.86e-06	-8.59e-03	-3.49e-03
338	14	-6.48e-03	-0.01	-1.53e-05	0.0	0.0	-7.56	0.03	0.05	-4.24e-04	-0.07	-0.04
		-0.04	-0.07	-3.88e-05	0.0	120.0	-6.84	0.03	0.05	-4.24e-04	-0.01	-6.48e-03
338	17	-3.49e-03	-8.59e-03	-1.09e-05	0.0	0.0	-9.52	0.02	0.04	2.86e-06	-0.06	-0.02
		-0.02	-0.06	-3.24e-05	0.0	120.0	-8.81	0.02	0.04	2.86e-06	-8.59e-03	-3.49e-03
338	18	-5.28e-03	-0.01	-1.35e-05	0.0	0.0	-8.34	0.02	0.05	-2.54e-04	-0.07	-0.03
		-0.03	-0.07	-3.62e-05	0.0	120.0	-7.63	0.02	0.05	-2.54e-04	-0.01	-5.28e-03
338	28	-0.24	-0.20	-3.87e-04	0.0	0.0	110.51	0.56	0.65	-0.04	-0.93	-0.82
		-0.82	-0.93	-4.38e-04	0.0	120.0	111.22	0.56	0.65	-0.04	-0.20	-0.24
338	29	0.75	0.80	3.60e-04	0.0	0.0	-127.20	-0.52	-0.56	0.04	0.80	0.75
		0.23	0.18	3.65e-04	0.0	120.0	-126.48	-0.52	-0.56	0.04	0.18	0.23
338	40	-0.29	-0.24	-4.69e-04	0.0	0.0	122.12	0.59	0.58	-0.04	-0.90	-0.94
		-0.94	-0.90	-4.00e-04	0.0	120.0	122.84	0.59	0.58	-0.04	-0.24	-0.29
338	41	0.87	0.77	4.42e-04	0.0	0.0	-138.81	-0.54	-0.49	0.04	0.77	0.87
		0.28	0.22	3.28e-04	0.0	120.0	-138.09	-0.54	-0.49	0.04	0.22	0.28
338	60	-0.19	-0.15	-2.96e-04	0.0	0.0	81.54	0.43	0.50	-0.03	-0.72	-0.63
		-0.63	-0.72	-3.38e-04	0.0	120.0	82.26	0.43	0.50	-0.03	-0.15	-0.19
338	61	0.56	0.59	2.69e-04	0.0	0.0	-98.23	-0.38	-0.41	0.03	0.59	0.56
		0.18	0.13	2.65e-04	0.0	120.0	-97.52	-0.38	-0.41	0.03	0.13	0.18
338	72	-0.22	-0.19	-3.58e-04	0.0	0.0	90.46	0.45	0.45	-0.03	-0.70	-0.71
		-0.71	-0.70	-3.10e-04	0.0	120.0	91.17	0.45	0.45	-0.03	-0.19	-0.22
338	73	0.65	0.57	3.31e-04	0.0	0.0	-107.14	-0.40	-0.35	0.03	0.57	0.65
		0.21	0.17	2.37e-04	0.0	120.0	-106.43	-0.40	-0.35	0.03	0.17	0.21
338	92	-0.17	-0.14	-2.65e-04	0.0	0.0	71.48	0.38	0.45	-0.02	-0.65	-0.56
		-0.56	-0.65	-3.04e-04	0.0	120.0	72.19	0.38	0.45	-0.02	-0.14	-0.17
338	93	0.50	0.52	2.38e-04	0.0	0.0	-88.16	-0.34	-0.36	0.02	0.52	0.50
		0.16	0.12	2.31e-04	0.0	120.0	-87.45	-0.34	-0.36	0.02	0.12	0.16
338	104	-0.20	-0.17	-3.19e-04	0.0	0.0	79.42	0.40	0.40	-0.03	-0.63	-0.64
		-0.64	-0.63	-2.79e-04	0.0	120.0	80.14	0.40	0.40	-0.03	-0.17	-0.20
338	105	0.57	0.50	2.92e-04	0.0	0.0	-96.11	-0.35	-0.31	0.03	0.50	0.57
		0.19	0.15	2.06e-04	0.0	120.0	-95.39	-0.35	-0.31	0.03	0.15	0.19
338	124	-0.29	-0.24	-4.63e-04	0.0	0.0	135.16	0.67	0.78	-0.04	-1.11	-0.98
		-0.98	-1.11	-5.19e-04	0.0	120.0	135.88	0.67	0.78	-0.04	-0.24	-0.29
338	125	0.92	0.98	4.36e-04	0.0	0.0	-151.85	-0.63	-0.68	0.04	0.98	0.92
		0.28	0.22	4.47e-04	0.0	120.0	-151.14	-0.63	-0.68	0.04	0.22	0.28
338	136	-0.35	-0.29	-5.63e-04	0.0	0.0	149.26	0.70	0.69	-0.05	-1.08	-1.12
		-1.12	-1.08	-4.75e-04	0.0	120.0	149.97	0.70	0.69	-0.05	-0.29	-0.35
338	137	1.06	0.94	5.36e-04	0.0	0.0	-165.95	-0.66	-0.60	0.05	0.94	1.06
		0.34	0.27	4.03e-04	0.0	120.0	-165.23	-0.66	-0.60	0.05	0.27	0.34
348	2	-0.10	2.75	-2.10e-04	0.0	0.0	-53.24	0.05	0.66	0.0	-0.14	-0.34
		-0.34	-0.14	1.89e-03	0.0	440.0	-49.76	0.05	0.66	0.0	2.75	-0.10
348	3	-0.06	1.37	-1.03e-04	0.0	0.0	-26.90	0.02	-0.40	0.0	1.37	-0.16
		-0.16	-0.37	1.82e-03	0.0	440.0	-24.22	0.02	-0.40	0.0	-0.37	-0.06
348	6	-0.11	1.41	-2.28e-04	0.0	0.0	-50.38	0.06	-0.06	0.0	1.41	-0.37
		-0.37	1.15	3.05e-03	0.0	440.0	-46.89	0.06	-0.06	0.0	1.15	-0.11
348	7	-0.07	2.49	-1.49e-04	0.0	0.0	-28.61	0.04	-0.81	0.0	2.49	-0.24
		-0.24	-1.09	2.97e-03	0.0	440.0	-25.93	0.04	-0.81	0.0	-1.09	-0.07
348	9	-0.05	0.83	-8.23e-05	0.0	0.0	-27.70	0.02	-0.19	0.0	0.83	-0.13
		-0.13	-0.01	1.26e-03	0.0	440.0	-25.01	0.02	-0.19	0.0	-0.01	-0.05
348	10	-0.07	1.93	-1.44e-04	0.0	0.0	-37.86	0.04	0.47	0.0	-0.14	-0.23
		-0.23	-0.14	1.26e-03	0.0	440.0	-35.18	0.04	0.47	0.0	1.93	-0.07
348	11	-0.06	1.57	-1.13e-04	0.0	0.0	-28.84	0.03	-0.47	0.0	1.57	-0.18
		-0.18	-0.49	2.03e-03	0.0	440.0	-26.15	0.03	-0.47	0.0	-0.49	-0.06
348	12	-0.08	0.89	-1.56e-04	0.0	0.0	-35.95	0.04	-6.25e-03	0.0	0.89	-0.25
		-0.25	0.86	2.03e-03	0.0	440.0	-33.27	0.04	-6.25e-03	0.0	0.86	-0.08
348	13	-0.03	0.70	-3.66e-05	0.0	0.0	-25.99	4.98e-03	0.23	0.0	-0.29	-0.05

		-0.05	-0.29	9.64e-05	0.0	440.0	-23.30	4.98e-03	0.23	0.0	0.70	-0.03
348	14	-0.04	1.67	-6.73e-05	0.0	0.0	-31.07	0.01	0.56	0.0	-0.77	-0.10
		-0.10	-0.77	-2.36e-04	0.0	440.0	-28.39	0.01	0.56	0.0	1.67	-0.04
348	16	-0.04	1.05	-7.03e-05	0.0	0.0	-29.60	0.01	0.29	0.0	-0.21	-0.11
		-0.11	-0.21	4.84e-04	0.0	440.0	-26.92	0.01	0.29	0.0	1.05	-0.04
348	17	-0.03	0.70	-3.66e-05	0.0	0.0	-25.99	4.98e-03	0.23	0.0	-0.29	-0.05
		-0.05	-0.29	9.64e-05	0.0	440.0	-23.30	4.98e-03	0.23	0.0	0.70	-0.03
348	18	-0.04	1.29	-5.50e-05	0.0	0.0	-29.03	0.01	0.42	0.0	-0.58	-0.08
		-0.08	-0.58	-1.71e-04	0.0	440.0	-26.35	0.01	0.42	0.0	1.29	-0.04
348	24	0.37	2.19	-3.80e-03	0.0	0.0	-36.94	1.38	-0.44	0.0	2.19	-6.70
		-6.70	0.19	3.59e-03	0.0	440.0	-34.26	1.38	-0.44	0.0	0.19	0.37
348	25	6.54	2.38	3.69e-03	0.0	0.0	-21.12	-1.36	1.29	0.0	-3.35	6.54
		-0.45	-3.35	-3.39e-03	0.0	440.0	-18.44	-1.36	1.29	0.0	2.38	-0.45
348	48	-0.65	5.86	-3.19e-03	0.0	0.0	-40.38	1.06	-1.50	0.0	5.86	-5.48
		-5.48	-0.82	8.47e-03	0.0	440.0	-37.70	1.06	-1.50	0.0	-0.82	-0.65
348	49	5.31	3.39	3.08e-03	0.0	0.0	-17.69	-1.04	2.35	0.0	-7.02	5.31
		0.57	-7.02	-8.27e-03	0.0	440.0	-15.01	-1.04	2.35	0.0	3.39	0.57
348	56	0.28	1.60	-2.83e-03	0.0	0.0	-34.99	1.03	-0.26	0.0	1.60	-5.00
		-5.00	0.43	2.86e-03	0.0	440.0	-32.31	1.03	-0.26	0.0	0.43	0.28
348	57	4.83	2.14	2.72e-03	0.0	0.0	-23.08	-1.01	1.10	0.0	-2.76	4.83
		-0.36	-2.76	-2.66e-03	0.0	440.0	-20.40	-1.01	1.10	0.0	2.14	-0.36
348	80	-0.50	4.63	-2.42e-03	0.0	0.0	-37.74	0.80	-1.13	0.0	4.63	-4.15
		-4.15	-0.40	6.88e-03	0.0	440.0	-35.06	0.80	-1.13	0.0	-0.40	-0.50
348	81	3.98	2.98	2.31e-03	0.0	0.0	-20.33	-0.78	1.98	0.0	-5.79	3.98
		0.43	-5.79	-6.69e-03	0.0	440.0	-17.65	-0.78	1.98	0.0	2.98	0.43
348	88	0.25	1.36	-2.52e-03	0.0	0.0	-34.31	0.91	-0.18	0.0	1.36	-4.43
		-4.43	0.53	2.55e-03	0.0	440.0	-31.63	0.91	-0.18	0.0	0.53	0.25
348	89	4.27	2.04	2.41e-03	0.0	0.0	-23.75	-0.89	1.03	0.0	-2.52	4.27
		-0.32	-2.52	-2.35e-03	0.0	440.0	-21.07	-0.89	1.03	0.0	2.04	-0.32
348	112	-0.45	4.06	-2.15e-03	0.0	0.0	-36.76	0.71	-0.96	0.0	4.06	-3.69
		-3.69	-0.22	6.13e-03	0.0	440.0	-34.08	0.71	-0.96	0.0	-0.22	-0.45
348	113	3.53	2.79	2.04e-03	0.0	0.0	-21.31	-0.69	1.81	0.0	-5.22	3.53
		0.37	-5.22	-5.94e-03	0.0	440.0	-18.63	-0.69	1.81	0.0	2.79	0.37
348	120	0.46	2.61	-4.56e-03	0.0	0.0	-38.50	1.66	-0.58	0.0	2.61	-8.04
		-8.04	4.84e-03	4.11e-03	0.0	440.0	-35.82	1.66	-0.58	0.0	4.84e-03	0.46
348	121	7.88	2.57	4.45e-03	0.0	0.0	-19.56	-1.64	1.43	0.0	-3.77	7.88
		-0.53	-3.77	-3.92e-03	0.0	440.0	-16.88	-1.64	1.43	0.0	2.57	-0.53
348	144	-0.78	6.72	-3.82e-03	0.0	0.0	-42.47	1.26	-1.76	0.0	6.72	-6.55
		-6.55	-1.13	9.57e-03	0.0	440.0	-39.79	1.26	-1.76	0.0	-1.13	-0.78
348	145	6.39	3.71	3.71e-03	0.0	0.0	-15.60	-1.24	2.61	0.0	-7.88	6.39
		0.70	-7.88	-9.38e-03	0.0	440.0	-12.92	-1.24	2.61	0.0	3.71	0.70
350	2	0.43	0.37	3.60e-04	0.0	0.0	-101.82	-0.04	-0.10	0.03	0.37	0.43
		0.27	-0.07	2.10e-04	0.0	440.0	-97.93	-0.04	-0.10	0.03	-0.07	0.27
350	3	0.44	0.18	2.66e-04	0.0	0.0	-58.39	-0.11	-0.05	0.04	0.18	0.44
		-0.05	-0.04	1.03e-04	0.0	440.0	-55.40	-0.11	-0.05	0.04	-0.04	-0.05
350	4	0.42	0.35	3.47e-04	0.0	0.0	-75.06	-0.04	-0.10	0.03	0.35	0.42
		0.26	-0.09	1.95e-04	0.0	440.0	-72.08	-0.04	-0.10	0.03	-0.09	0.26
350	5	0.75	0.28	4.37e-04	0.0	0.0	-86.60	-0.20	-0.07	0.08	0.28	0.75
		-0.13	-0.03	1.64e-04	0.0	440.0	-82.72	-0.20	-0.07	0.08	-0.03	-0.13
350	6	0.74	0.40	4.93e-04	0.0	0.0	-98.27	-0.15	-0.11	0.06	0.40	0.74
		0.09	-0.07	2.28e-04	0.0	440.0	-94.39	-0.15	-0.11	0.06	-0.07	0.09
350	7	0.74	0.26	4.24e-04	0.0	0.0	-59.85	-0.20	-0.07	0.08	0.26	0.74
		-0.14	-0.05	1.49e-04	0.0	440.0	-56.86	-0.20	-0.07	0.08	-0.05	-0.14
350	9	0.30	0.14	1.89e-04	0.0	0.0	-61.96	-0.07	-0.04	0.03	0.14	0.30
		-6.50e-03	-0.02	8.23e-05	0.0	440.0	-58.97	-0.07	-0.04	0.03	-0.02	-6.50e-03
350	10	0.28	0.25	2.43e-04	0.0	0.0	-73.08	-0.02	-0.07	0.02	0.25	0.28
		0.20	-0.06	1.44e-04	0.0	440.0	-70.09	-0.02	-0.07	0.02	-0.06	0.20
350	11	0.50	0.19	2.94e-04	0.0	0.0	-62.93	-0.13	-0.05	0.05	0.19	0.50
		-0.07	-0.03	1.13e-04	0.0	440.0	-59.95	-0.13	-0.05	0.05	-0.03	-0.07
350	12	0.49	0.27	3.32e-04	0.0	0.0	-70.71	-0.09	-0.07	0.04	0.27	0.49
		0.07	-0.05	1.56e-04	0.0	440.0	-67.73	-0.09	-0.07	0.04	-0.05	0.07
350	13	0.09	0.06	3.05e-05	0.0	0.0	-60.50	0.02	-0.02	-7.37e-04	0.06	5.37e-03
		5.37e-03	-7.06e-03	3.66e-05	0.0	440.0	-57.51	0.02	-0.02	-7.37e-04	-7.06e-03	0.09
350	14	0.19	0.12	5.76e-05	0.0	0.0	-66.06	0.04	-0.03	-6.62e-03	0.12	-2.93e-03
		-2.93e-03	-0.02	6.74e-05	0.0	440.0	-63.07	0.04	-0.03	-6.62e-03	-0.02	0.19
350	16	0.12	0.12	9.94e-05	0.0	0.0	-64.32	3.92e-03	-0.03	6.00e-03	0.12	0.10
		0.10	-0.02	7.03e-05	0.0	440.0	-61.34	3.92e-03	-0.03	6.00e-03	-0.02	0.12
350	17	0.09	0.06	3.05e-05	0.0	0.0	-60.50	0.02	-0.02	-7.37e-04	0.06	5.37e-03
		5.37e-03	-7.06e-03	3.66e-05	0.0	440.0	-57.51	0.02	-0.02	-7.37e-04	-7.06e-03	0.09
350	18	0.15	0.10	4.67e-05	0.0	0.0	-63.84	0.03	-0.03	-4.27e-03	0.10	3.88e-04
		3.88e-04	-0.02	5.51e-05	0.0	440.0	-60.85	0.03	-0.03	-4.27e-03	-0.02	0.15
350	24	5.81	6.79	3.36e-03	0.0	0.0	-48.61	-1.55	-1.90	-1.83	6.79	5.81
		0.67	-1.62	3.80e-03	0.0	440.0	-45.62	-1.55	-1.90	-1.83	-1.62	0.67
350	25	-0.37	1.59	-3.27e-03	0.0	0.0	-79.06	1.62	1.85	1.82	-6.60	-5.81
		-5.81	-6.60	-3.69e-03	0.0	440.0	-76.08	1.62	1.85	1.82	1.59	-0.37

350	43	1.58	0.41	-2.68e-03	0.0	0.0	-35.04	1.31	0.67	1.07	-2.56	-4.75
		-4.75	-2.56	-1.50e-03	0.0	440.0	-32.05	1.31	0.67	1.07	0.41	1.58
350	46	4.75	2.76	2.77e-03	0.0	0.0	-92.63	-1.25	-0.72	-1.08	2.76	4.75
		-1.29	-0.45	1.61e-03	0.0	440.0	-89.64	-1.25	-0.72	-1.08	-0.45	-1.29
350	48	7.20	5.57	4.16e-03	0.0	0.0	-80.03	-1.92	-1.51	-1.91	5.57	7.20
		-0.75	-1.12	3.19e-03	0.0	440.0	-77.04	-1.92	-1.51	-1.91	-1.12	-0.75
350	49	1.05	1.08	-4.07e-03	0.0	0.0	-47.64	1.99	1.46	1.90	-5.38	-7.20
		-7.20	-5.38	-3.08e-03	0.0	440.0	-44.66	1.99	1.46	1.90	1.08	1.05
350	56	4.33	5.06	2.52e-03	0.0	0.0	-52.89	-1.14	-1.42	-1.38	5.06	4.33
		0.52	-1.21	2.84e-03	0.0	440.0	-49.90	-1.14	-1.42	-1.38	-1.21	0.52
350	57	-0.23	1.17	-2.43e-03	0.0	0.0	-74.78	1.21	1.37	1.37	-4.87	-4.33
		-4.33	-4.87	-2.73e-03	0.0	440.0	-71.80	1.21	1.37	1.37	1.17	-0.23
350	75	1.22	0.31	-2.00e-03	0.0	0.0	-42.54	1.00	0.51	0.81	-1.94	-3.57
		-3.57	-1.94	-1.13e-03	0.0	440.0	-39.56	1.00	0.51	0.81	0.31	1.22
350	78	3.57	2.13	2.09e-03	0.0	0.0	-85.13	-0.93	-0.56	-0.82	2.13	3.57
		-0.92	-0.35	1.24e-03	0.0	440.0	-82.14	-0.93	-0.56	-0.82	-0.35	-0.92
350	80	5.38	4.23	3.13e-03	0.0	0.0	-75.98	-1.43	-1.15	-1.45	4.23	5.38
		-0.53	-0.85	2.42e-03	0.0	440.0	-72.99	-1.43	-1.15	-1.45	-0.85	-0.53
350	81	0.83	0.81	-3.03e-03	0.0	0.0	-51.69	1.49	1.09	1.44	-4.03	-5.38
		-5.38	-4.03	-2.31e-03	0.0	440.0	-48.71	1.49	1.09	1.44	0.81	0.83
350	88	3.84	4.50	2.24e-03	0.0	0.0	-54.18	-1.01	-1.26	-1.23	4.50	3.84
		0.48	-1.07	2.52e-03	0.0	440.0	-51.19	-1.01	-1.26	-1.23	-1.07	0.48
350	89	-0.18	1.04	-2.15e-03	0.0	0.0	-73.50	1.08	1.21	1.22	-4.31	-3.84
		-3.84	-4.31	-2.41e-03	0.0	440.0	-70.51	1.08	1.21	1.22	1.04	-0.18
350	107	1.10	0.28	-1.77e-03	0.0	0.0	-45.00	0.89	0.45	0.72	-1.71	-3.16
		-3.16	-1.71	-1.00e-03	0.0	440.0	-42.01	0.89	0.45	0.72	0.28	1.10
350	110	3.16	1.90	1.86e-03	0.0	0.0	-82.68	-0.82	-0.50	-0.73	1.90	3.16
		-0.80	-0.31	1.11e-03	0.0	440.0	-79.69	-0.82	-0.50	-0.73	-0.31	-0.80
350	112	4.77	3.76	2.78e-03	0.0	0.0	-74.59	-1.26	-1.02	-1.29	3.76	4.77
		-0.46	-0.76	2.15e-03	0.0	440.0	-71.61	-1.26	-1.02	-1.29	-0.76	-0.46
350	113	0.75	0.72	-2.68e-03	0.0	0.0	-53.08	1.33	0.97	1.28	-3.57	-4.77
		-4.77	-3.57	-2.04e-03	0.0	440.0	-50.09	1.33	0.97	1.28	0.72	0.75
350	120	7.02	8.14	4.05e-03	0.0	0.0	-45.51	-1.88	-2.28	-2.19	8.14	7.02
		0.77	-1.94	4.56e-03	0.0	440.0	-42.52	-1.88	-2.28	-2.19	-1.94	0.77
350	121	-0.48	1.90	-3.96e-03	0.0	0.0	-82.17	1.95	2.23	2.18	-7.95	-7.02
		-7.02	-7.95	-4.45e-03	0.0	440.0	-79.18	1.95	2.23	2.18	1.90	-0.48
350	139	1.88	0.49	-3.25e-03	0.0	0.0	-29.26	1.58	0.81	1.28	-3.10	-5.74
		-5.74	-3.10	-1.82e-03	0.0	440.0	-26.28	1.58	0.81	1.28	0.49	1.88
350	142	5.75	3.29	3.34e-03	0.0	0.0	-98.41	-1.52	-0.86	-1.29	3.29	5.75
		-1.58	-0.53	1.93e-03	0.0	440.0	-95.42	-1.52	-0.86	-1.29	-0.53	-1.58
350	144	8.71	6.67	5.03e-03	0.0	0.0	-83.22	-2.33	-1.81	-2.28	6.67	8.71
		-0.94	-1.33	3.82e-03	0.0	440.0	-80.24	-2.33	-1.81	-2.28	-1.33	-0.94
350	145	1.23	1.29	-4.93e-03	0.0	0.0	-44.45	2.40	1.75	2.27	-6.48	-8.71
		-8.71	-6.48	-3.71e-03	0.0	440.0	-41.46	2.40	1.75	2.27	1.29	1.23
356	2	0.0	0.66	-5.99e-06	0.0	0.0	-43.67	6.23e-03	0.34	0.0	-0.46	-0.02
		-0.02	-0.46	-1.27e-04	0.0	325.5	-41.09	6.23e-03	0.34	0.0	0.66	0.0
356	7	5.32e-03	0.11	1.57e-06	0.0	0.0	-6.22	-1.63e-03	0.05	0.0	-0.05	5.32e-03
		0.0	-0.05	-8.79e-06	0.0	325.5	-4.24	-1.63e-03	0.05	0.0	0.11	0.0
356	10	0.0	0.46	-4.19e-06	0.0	0.0	-30.52	4.36e-03	0.24	0.0	-0.32	-0.01
		-0.01	-0.32	-8.82e-05	0.0	325.5	-28.54	4.36e-03	0.24	0.0	0.46	0.0
356	11	1.55e-03	0.11	0.0	0.0	0.0	-7.71	-4.77e-04	0.05	0.0	-0.06	1.55e-03
		0.0	-0.06	-1.41e-05	0.0	325.5	-5.73	-4.77e-04	0.05	0.0	0.11	0.0
356	13	0.0	0.12	-1.69e-06	0.0	0.0	-10.66	1.76e-03	0.06	0.0	-0.09	-5.71e-03
		-5.71e-03	-0.09	-2.77e-05	0.0	325.5	-8.68	1.76e-03	0.06	0.0	0.12	0.0
356	14	0.0	0.29	-3.58e-06	0.0	0.0	-21.48	3.73e-03	0.15	0.0	-0.21	-0.01
		-0.01	-0.21	-6.26e-05	0.0	325.5	-19.49	3.73e-03	0.15	0.0	0.29	0.0
356	15	0.0	0.12	-1.26e-06	0.0	0.0	-10.07	1.31e-03	0.06	0.0	-0.08	-4.26e-03
		-4.26e-03	-0.08	-2.46e-05	0.0	325.5	-8.09	1.31e-03	0.06	0.0	0.12	0.0
356	17	0.0	0.12	-1.69e-06	0.0	0.0	-10.66	1.76e-03	0.06	0.0	-0.09	-5.71e-03
		-5.71e-03	-0.09	-2.77e-05	0.0	325.5	-8.68	1.76e-03	0.06	0.0	0.12	0.0
356	18	0.0	0.22	-2.83e-06	0.0	0.0	-17.15	2.94e-03	0.12	0.0	-0.16	-9.57e-03
		-9.57e-03	-0.16	-4.87e-05	0.0	325.5	-15.17	2.94e-03	0.12	0.0	0.22	0.0
356	19	0.0	0.22	-3.93e-03	0.0	0.0	-15.95	4.08	0.15	0.0	-0.25	-13.30
		-13.30	-0.25	-1.18e-04	0.0	325.5	-13.97	4.08	0.15	0.0	0.22	0.0
356	22	13.28	0.22	3.92e-03	0.0	0.0	-18.35	-4.08	0.09	0.0	-0.07	13.28
		0.0	-0.07	3.13e-05	0.0	325.5	-16.37	-4.08	0.09	0.0	0.22	0.0
356	43	0.0	0.25	-1.26e-03	0.0	0.0	-28.55	1.32	0.18	0.0	-0.34	-4.28
		-4.28	-0.34	-1.82e-04	0.0	325.5	-26.56	1.32	0.18	0.0	0.25	0.0
356	48	0.0	0.19	-7.50e-04	0.0	0.0	-3.66	0.78	0.07	0.0	-0.02	-2.54
		-2.54	-0.02	6.52e-05	0.0	325.5	-1.68	0.78	0.07	0.0	0.19	0.0
356	49	2.52	0.25	7.44e-04	0.0	0.0	-30.64	-0.77	0.17	0.0	-0.30	2.52
		0.0	-0.30	-1.52e-04	0.0	325.5	-28.66	-0.77	0.17	0.0	0.25	0.0
356	55	0.0	0.23	-3.18e-03	0.0	0.0	-17.79	3.31	0.15	0.0	-0.25	-10.78
		-10.78	-0.25	-1.10e-04	0.0	325.5	-15.81	3.31	0.15	0.0	0.23	0.0
356	58	10.76	0.22	3.18e-03	0.0	0.0	-16.51	-3.31	0.09	0.0	-0.08	10.76

		0.0	-0.08	2.32e-05	0.0	325.5	-14.53	-3.31	0.09	0.0	0.22	0.0
356	75	0.0	0.24	-1.02e-03	0.0	0.0	-26.41	1.06	0.17	0.0	-0.30	-3.45
		-3.45	-0.30	-1.53e-04	0.0	325.5	-24.43	1.06	0.17	0.0	0.24	0.0
356	80	0.0	0.20	-5.71e-04	0.0	0.0	-6.35	0.59	0.08	0.0	-0.05	-1.93
		-1.93	-0.05	4.41e-05	0.0	325.5	-4.37	0.59	0.08	0.0	0.20	0.0
356	81	1.91	0.24	5.65e-04	0.0	0.0	-27.95	-0.59	0.16	0.0	-0.28	1.91
		0.0	-0.28	-1.31e-04	0.0	325.5	-25.97	-0.59	0.16	0.0	0.24	0.0
356	87	0.0	0.22	-2.86e-03	0.0	0.0	-17.73	2.98	0.14	0.0	-0.24	-9.69
		-9.69	-0.24	-1.03e-04	0.0	325.5	-15.75	2.98	0.14	0.0	0.22	0.0
356	90	9.67	0.22	2.86e-03	0.0	0.0	-16.57	-2.97	0.09	0.0	-0.09	9.67
		0.0	-0.09	1.57e-05	0.0	325.5	-14.59	-2.97	0.09	0.0	0.22	0.0
356	107	0.0	0.24	-9.16e-04	0.0	0.0	-25.40	0.95	0.16	0.0	-0.29	-3.10
		-3.10	-0.29	-1.41e-04	0.0	325.5	-23.41	0.95	0.16	0.0	0.24	0.0
356	112	0.0	0.20	-5.07e-04	0.0	0.0	-7.55	0.53	0.08	0.0	-0.06	-1.72
		-1.72	-0.06	3.45e-05	0.0	325.5	-5.57	0.53	0.08	0.0	0.20	0.0
356	113	1.70	0.24	5.01e-04	0.0	0.0	-26.75	-0.52	0.15	0.0	-0.26	1.70
		0.0	-0.26	-1.22e-04	0.0	325.5	-24.77	-0.52	0.15	0.0	0.24	0.0
356	115	0.0	0.22	-4.54e-03	0.0	0.0	-15.64	4.72	0.15	0.0	-0.27	-15.37
		-15.37	-0.27	-1.33e-04	0.0	325.5	-13.65	4.72	0.15	0.0	0.22	0.0
356	118	15.35	0.22	4.53e-03	0.0	0.0	-18.67	-4.72	0.08	0.0	-0.05	15.35
		0.0	-0.05	4.64e-05	0.0	325.5	-16.68	-4.72	0.08	0.0	0.22	0.0
356	139	0.0	0.25	-1.47e-03	0.0	0.0	-30.07	1.52	0.19	0.0	-0.37	-4.96
		-4.96	-0.37	-2.04e-04	0.0	325.5	-28.09	1.52	0.19	0.0	0.25	0.0
356	144	0.0	0.19	-8.75e-04	0.0	0.0	-1.71	0.91	0.06	0.0	-1.68e-03	-2.96
		-2.96	-1.68e-03	8.08e-05	0.0	325.5	0.28	0.91	0.06	0.0	0.19	0.0
356	145	2.95	0.25	8.70e-04	0.0	0.0	-32.60	-0.90	0.18	0.0	-0.32	2.95
		0.0	-0.32	-1.68e-04	0.0	325.5	-30.61	-0.90	0.18	0.0	0.25	0.0
363	2	0.0	0.27	-5.98e-06	0.0	0.0	-37.47	6.22e-03	0.23	0.0	-0.48	-0.02
		-0.02	-0.48	-2.87e-04	0.0	325.5	-34.90	6.22e-03	0.23	0.0	0.27	0.0
363	7	5.33e-03	0.35	1.57e-06	0.0	0.0	-6.48	-1.64e-03	-0.11	0.0	0.35	5.33e-03
		0.0	-0.01	2.89e-04	0.0	325.5	-4.50	-1.64e-03	-0.11	0.0	-0.01	0.0
363	10	0.0	0.19	-4.18e-06	0.0	0.0	-26.22	4.35e-03	0.16	0.0	-0.34	-0.01
		-0.01	-0.34	-2.05e-04	0.0	325.5	-24.23	4.35e-03	0.16	0.0	0.19	0.0
363	11	1.56e-03	0.18	0.0	0.0	0.0	-7.48	-4.79e-04	-0.05	0.0	0.18	1.56e-03
		0.0	8.41e-03	1.58e-04	0.0	325.5	-5.50	-4.79e-04	-0.05	0.0	8.41e-03	0.0
363	14	0.0	0.13	-3.58e-06	0.0	0.0	-18.40	3.72e-03	0.15	0.0	-0.34	-0.01
		-0.01	-0.34	-2.33e-04	0.0	325.5	-16.41	3.72e-03	0.15	0.0	0.13	0.0
363	15	0.0	0.05	-1.26e-06	0.0	0.0	-9.03	1.31e-03	0.04	0.0	-0.08	-4.25e-03
		-4.25e-03	-0.08	-5.12e-05	0.0	325.5	-7.05	1.31e-03	0.04	0.0	0.05	0.0
363	17	0.0	0.05	-1.68e-06	0.0	0.0	-9.42	1.75e-03	0.06	0.0	-0.15	-5.71e-03
		-5.71e-03	-0.15	-1.03e-04	0.0	325.5	-7.44	1.75e-03	0.06	0.0	0.05	0.0
363	18	0.0	0.10	-2.82e-06	0.0	0.0	-14.81	2.94e-03	0.11	0.0	-0.27	-9.55e-03
		-9.55e-03	-0.27	-1.81e-04	0.0	325.5	-12.82	2.94e-03	0.11	0.0	0.10	0.0
363	19	0.0	1.19	-3.92e-03	0.0	0.0	-11.16	4.08	-0.38	0.0	1.19	-13.29
		-13.29	-0.05	9.77e-04	0.0	325.5	-9.18	4.08	-0.38	0.0	-0.05	0.0
363	22	13.27	0.26	3.92e-03	0.0	0.0	-18.45	-4.08	0.61	0.0	-1.72	13.27
		0.0	-1.72	-1.34e-03	0.0	325.5	-16.47	-4.08	0.61	0.0	0.26	0.0
363	48	0.0	3.95	-7.50e-04	0.0	0.0	-2.14	0.78	-1.32	0.0	3.95	-2.54
		-2.54	-0.35	3.17e-03	0.0	325.5	-0.16	0.78	-1.32	0.0	-0.35	0.0
363	49	2.52	0.56	7.44e-04	0.0	0.0	-27.47	-0.77	1.55	0.0	-4.48	2.52
		0.0	-4.48	-3.53e-03	0.0	325.5	-25.48	-0.77	1.55	0.0	0.56	0.0
363	55	0.0	0.68	-3.18e-03	0.0	0.0	-12.84	3.31	-0.21	0.0	0.68	-10.78
		-10.78	3.68e-03	5.75e-04	0.0	325.5	-10.85	3.31	-0.21	0.0	3.68e-03	0.0
363	58	10.76	0.20	3.18e-03	0.0	0.0	-16.77	-3.31	0.44	0.0	-1.22	10.76
		0.0	-1.22	-9.37e-04	0.0	325.5	-14.79	-3.31	0.44	0.0	0.20	0.0
363	80	0.0	2.88	-5.70e-04	0.0	0.0	-5.15	0.59	-0.96	0.0	2.88	-1.93
		-1.93	-0.24	2.32e-03	0.0	325.5	-3.17	0.59	-0.96	0.0	-0.24	0.0
363	81	1.91	0.44	5.65e-04	0.0	0.0	-24.46	-0.59	1.18	0.0	-3.42	1.91
		0.0	-3.42	-2.68e-03	0.0	325.5	-22.48	-0.59	1.18	0.0	0.44	0.0
363	87	0.0	0.57	-2.86e-03	0.0	0.0	-13.07	2.98	-0.17	0.0	0.57	-9.69
		-9.69	0.02	4.89e-04	0.0	325.5	-11.08	2.98	-0.17	0.0	0.02	0.0
363	90	9.67	0.19	2.86e-03	0.0	0.0	-16.54	-2.97	0.40	0.0	-1.11	9.67
		0.0	-1.11	-8.50e-04	0.0	325.5	-14.56	-2.97	0.40	0.0	0.19	0.0
363	112	0.0	2.53	-5.07e-04	0.0	0.0	-6.24	0.53	-0.84	0.0	2.53	-1.72
		-1.72	-0.20	2.04e-03	0.0	325.5	-4.26	0.53	-0.84	0.0	-0.20	0.0
363	113	1.70	0.40	5.01e-04	0.0	0.0	-23.37	-0.52	1.06	0.0	-3.06	1.70
		0.0	-3.06	-2.40e-03	0.0	325.5	-21.39	-0.52	1.06	0.0	0.40	0.0
363	115	0.0	1.49	-4.54e-03	0.0	0.0	-10.39	4.72	-0.48	0.0	1.49	-15.37
		-15.37	-0.08	1.22e-03	0.0	325.5	-8.41	4.72	-0.48	0.0	-0.08	0.0
363	118	15.35	0.29	4.53e-03	0.0	0.0	-19.22	-4.72	0.71	0.0	-2.03	15.35
		0.0	-2.03	-1.58e-03	0.0	325.5	-17.24	-4.72	0.71	0.0	0.29	0.0
363	144	0.0	4.83	-8.75e-04	0.0	0.0	0.28	0.91	-1.62	0.0	4.83	-2.96
		-2.96	-0.44	3.87e-03	0.0	325.5	2.26	0.91	-1.62	0.0	-0.44	0.0
363	145	2.95	0.65	8.70e-04	0.0	0.0	-29.89	-0.90	1.85	0.0	-5.36	2.95
		0.0	-5.36	-4.23e-03	0.0	325.5	-27.91	-0.90	1.85	0.0	0.65	0.0

364	2	-0.21	3.11	-1.29e-04	0.0	0.0	-89.06	0.04	1.53	-1.58e-04	-1.87	-0.33
		-0.33	-1.87	-4.40e-04	0.0	325.5	-86.48	0.04	1.53	-1.58e-04	3.11	-0.21
364	3	-0.05	0.33	-3.50e-05	0.0	0.0	-35.64	0.01	0.10	2.27e-05	-2.67e-03	-0.09
		-0.09	-2.67e-03	1.37e-04	0.0	325.5	-33.66	0.01	0.10	2.27e-05	0.33	-0.05
364	9	-0.05	0.47	-3.29e-05	0.0	0.0	-36.84	0.01	0.19	3.33e-06	-0.16	-0.09
		-0.09	-0.16	5.87e-05	0.0	325.5	-34.86	0.01	0.19	3.33e-06	0.47	-0.05
364	10	-0.14	2.17	-8.90e-05	0.0	0.0	-63.31	0.03	1.07	-1.08e-04	-1.31	-0.23
		-0.23	-1.31	-3.09e-04	0.0	325.5	-61.33	0.03	1.07	-1.08e-04	2.17	-0.14
364	13	-0.04	0.72	-2.66e-05	0.0	0.0	-36.46	7.44e-03	0.37	-3.15e-05	-0.48	-0.07
		-0.07	-0.48	-1.26e-04	0.0	325.5	-34.48	7.44e-03	0.37	-3.15e-05	0.72	-0.04
364	14	-0.09	1.57	-5.47e-05	0.0	0.0	-49.70	0.02	0.80	-8.72e-05	-1.05	-0.14
		-0.14	-1.05	-2.78e-04	0.0	325.5	-47.72	0.02	0.80	-8.72e-05	1.57	-0.09
364	17	-0.04	0.72	-2.66e-05	0.0	0.0	-36.46	7.44e-03	0.37	-3.15e-05	-0.48	-0.07
		-0.07	-0.48	-1.26e-04	0.0	325.5	-34.48	7.44e-03	0.37	-3.15e-05	0.72	-0.04
364	18	-0.07	1.23	-4.34e-05	0.0	0.0	-44.41	0.01	0.63	-6.49e-05	-0.82	-0.11
		-0.11	-0.82	-2.17e-04	0.0	325.5	-42.42	0.01	0.63	-6.49e-05	1.23	-0.07
364	20	-3.68	3.26	-7.17e-03	0.0	0.0	-68.69	4.01	-1.28	9.22e-03	3.26	-22.60
		-22.60	-0.91	2.37e-03	0.0	325.5	-66.70	4.01	-1.28	9.22e-03	-0.91	-3.68
364	21	22.38	3.36	7.08e-03	0.0	0.0	-20.12	-3.99	2.54	-9.35e-03	-4.90	22.38
		3.54	-4.90	-2.71e-03	0.0	325.5	-18.14	-3.99	2.54	-9.35e-03	3.36	3.54
364	48	-3.29	4.64	-5.15e-03	0.0	0.0	-75.51	4.03	-1.99	5.97e-03	4.64	-15.97
		-15.97	-1.91	3.16e-03	0.0	325.5	-73.53	4.03	-1.99	5.97e-03	-1.91	-3.29
364	49	15.74	4.36	5.07e-03	0.0	0.0	-13.30	-4.00	3.25	-6.10e-03	-6.28	15.74
		3.14	-6.28	-3.51e-03	0.0	325.5	-11.32	-4.00	3.25	-6.10e-03	4.36	3.14
364	52	-2.75	2.22	-5.22e-03	0.0	0.0	-62.50	2.90	-0.79	6.83e-03	2.22	-16.46
		-16.46	-0.36	1.72e-03	0.0	325.5	-60.51	2.90	-0.79	6.83e-03	-0.36	-2.75
364	53	16.23	2.82	5.14e-03	0.0	0.0	-26.32	-2.88	2.05	-6.96e-03	-3.86	16.23
		2.61	-3.86	-2.07e-03	0.0	325.5	-24.33	-2.88	2.05	-6.96e-03	2.82	2.61
364	80	-2.46	3.27	-3.80e-03	0.0	0.0	-67.67	2.97	-1.34	4.57e-03	3.27	-11.77
		-11.77	-1.15	2.32e-03	0.0	325.5	-65.69	2.97	-1.34	4.57e-03	-1.15	-2.46
364	81	11.54	3.61	3.71e-03	0.0	0.0	-21.14	-2.94	2.60	-4.70e-03	-4.91	11.54
		2.32	-4.91	-2.66e-03	0.0	325.5	-19.16	-2.94	2.60	-4.70e-03	3.61	2.32
364	84	-2.45	1.88	-4.62e-03	0.0	0.0	-60.44	2.57	-0.63	6.04e-03	1.88	-14.55
		-14.55	-0.18	1.51e-03	0.0	325.5	-58.46	2.57	-0.63	6.04e-03	-0.18	-2.45
364	85	14.32	2.64	4.53e-03	0.0	0.0	-28.37	-2.54	1.89	-6.17e-03	-3.52	14.32
		2.30	-3.52	-1.85e-03	0.0	325.5	-26.39	-2.54	1.89	-6.17e-03	2.64	2.30
364	112	-2.19	2.81	-3.36e-03	0.0	0.0	-65.03	2.63	-1.12	4.05e-03	2.81	-10.42
		-10.42	-0.88	2.04e-03	0.0	325.5	-63.05	2.63	-1.12	4.05e-03	-0.88	-2.19
364	113	10.20	3.34	3.28e-03	0.0	0.0	-23.78	-2.60	2.37	-4.18e-03	-4.45	10.20
		2.05	-4.45	-2.38e-03	0.0	325.5	-21.79	-2.60	2.37	-4.18e-03	3.34	2.05
364	116	-4.41	4.11	-8.64e-03	0.0	0.0	-73.72	4.84	-1.67	0.01	4.11	-27.24
		-27.24	-1.35	2.89e-03	0.0	325.5	-71.73	4.84	-1.67	0.01	-1.35	-4.41
364	117	27.02	3.80	8.56e-03	0.0	0.0	-15.10	-4.82	2.93	-0.01	-5.75	27.02
		4.27	-5.75	-3.24e-03	0.0	325.5	-13.11	-4.82	2.93	-0.01	3.80	4.27
364	144	-3.96	5.78	-6.21e-03	0.0	0.0	-81.98	4.84	-2.53	7.12e-03	5.78	-19.22
		-19.22	-2.52	3.86e-03	0.0	325.5	-80.00	4.84	-2.53	7.12e-03	-2.52	-3.96
364	145	19.00	4.98	6.12e-03	0.0	0.0	-6.83	-4.81	3.79	-7.25e-03	-7.42	19.00
		3.81	-7.42	-4.20e-03	0.0	325.5	-4.85	-4.81	3.79	-7.25e-03	4.98	3.81
369	2	-0.20	3.19	-1.29e-04	0.0	0.0	-71.39	0.04	1.51	0.0	-1.72	-0.34
		-0.34	-1.72	-3.49e-04	0.0	325.5	-68.81	0.04	1.51	0.0	3.19	-0.20
369	3	-0.05	1.82	-3.50e-05	0.0	0.0	-23.32	0.01	0.84	0.0	-0.92	-0.09
		-0.09	-0.92	-1.70e-04	0.0	325.5	-21.34	0.01	0.84	0.0	1.82	-0.05
369	6	-0.17	3.80	-1.10e-04	0.0	0.0	-58.00	0.04	1.77	0.0	-1.98	-0.29
		-0.29	-1.98	-3.79e-04	0.0	325.5	-55.42	0.04	1.77	0.0	3.80	-0.17
369	7	-0.05	2.80	-4.13e-05	0.0	0.0	-22.07	0.02	1.29	0.0	-1.39	-0.11
		-0.11	-1.39	-2.53e-04	0.0	325.5	-20.09	0.02	1.29	0.0	2.80	-0.05
369	9	-0.05	1.36	-3.29e-05	0.0	0.0	-23.97	0.01	0.63	0.0	-0.69	-0.09
		-0.09	-0.69	-1.31e-04	0.0	325.5	-21.98	0.01	0.63	0.0	1.36	-0.05
369	10	-0.14	2.17	-8.90e-05	0.0	0.0	-50.94	0.03	1.03	0.0	-1.17	-0.23
		-0.23	-1.17	-2.38e-04	0.0	325.5	-48.96	0.03	1.03	0.0	2.17	-0.14
369	11	-0.05	2.01	-3.71e-05	0.0	0.0	-23.13	0.02	0.93	0.0	-1.01	-0.10
		-0.10	-1.01	-1.86e-04	0.0	325.5	-21.15	0.02	0.93	0.0	2.01	-0.05
369	12	-0.11	2.57	-7.63e-05	0.0	0.0	-42.02	0.03	1.20	0.0	-1.34	-0.20
		-0.20	-1.34	-2.58e-04	0.0	325.5	-40.03	0.03	1.20	0.0	2.57	-0.11
369	13	-0.04	0.39	-2.66e-05	0.0	0.0	-25.22	7.02e-03	0.19	0.0	-0.22	-0.07
		-0.07	-0.22	-5.04e-05	0.0	325.5	-23.23	7.02e-03	0.19	0.0	0.39	-0.04
369	14	-0.09	0.79	-5.46e-05	0.0	0.0	-38.70	0.01	0.38	0.0	-0.46	-0.14
		-0.14	-0.46	-1.06e-04	0.0	325.5	-36.72	0.01	0.38	0.0	0.79	-0.09
369	15	-0.05	0.71	-2.87e-05	0.0	0.0	-24.80	8.68e-03	0.33	0.0	-0.38	-0.07
		-0.07	-0.38	-7.61e-05	0.0	325.5	-22.82	8.68e-03	0.33	0.0	0.71	-0.05
369	16	-0.07	0.95	-4.55e-05	0.0	0.0	-32.89	0.01	0.45	0.0	-0.52	-0.12
		-0.12	-0.52	-1.09e-04	0.0	325.5	-30.91	0.01	0.45	0.0	0.95	-0.07
369	17	-0.04	0.39	-2.66e-05	0.0	0.0	-25.22	7.02e-03	0.19	0.0	-0.22	-0.07
		-0.07	-0.22	-5.04e-05	0.0	325.5	-23.23	7.02e-03	0.19	0.0	0.39	-0.04
369	18	-0.07	0.63	-4.34e-05	0.0	0.0	-33.31	0.01	0.31	0.0	-0.37	-0.11

		-0.11	-0.37	-8.37e-05	0.0	325.5	-31.33	0.01	0.31	0.0	0.63	-0.07
369	20	-3.78	2.28	-7.17e-03	0.0	0.0	-29.28	4.01	1.05	0.0	-1.13	-22.59
		-22.59	-1.13	-3.07e-04	0.0	325.5	-27.29	4.01	1.05	0.0	2.28	-3.78
369	21	22.37	0.40	7.08e-03	0.0	0.0	-37.34	-3.98	-0.44	0.0	0.40	22.37
		3.64	-1.03	1.41e-04	0.0	325.5	-35.36	-3.98	-0.44	0.0	-1.03	3.64
369	48	-3.30	7.26	-5.15e-03	0.0	0.0	-27.04	4.03	3.31	0.0	-3.53	-15.97
		-15.97	-3.53	-6.25e-04	0.0	325.5	-25.06	4.03	3.31	0.0	7.26	-3.30
369	49	15.75	2.79	5.07e-03	0.0	0.0	-39.58	-4.01	-2.70	0.0	2.79	15.75
		3.15	-6.00	4.68e-04	0.0	325.5	-37.60	-4.01	-2.70	0.0	-6.00	3.15
369	52	-2.85	1.93	-5.22e-03	0.0	0.0	-30.30	2.90	0.89	0.0	-0.97	-16.45
		-16.45	-0.97	-2.57e-04	0.0	325.5	-28.32	2.90	0.89	0.0	1.93	-2.85
369	53	16.23	0.24	5.14e-03	0.0	0.0	-36.32	-2.88	-0.28	0.0	0.24	16.23
		2.70	-0.67	9.28e-05	0.0	325.5	-34.33	-2.88	-0.28	0.0	-0.67	2.70
369	80	-2.47	6.04	-3.80e-03	0.0	0.0	-28.52	2.97	2.76	0.0	-2.95	-11.77
		-11.77	-2.95	-5.26e-04	0.0	325.5	-26.53	2.97	2.76	0.0	6.04	-2.47
369	81	11.55	2.21	3.71e-03	0.0	0.0	-38.10	-2.95	-2.15	0.0	2.21	11.55
		2.33	-4.79	3.69e-04	0.0	325.5	-36.12	-2.95	-2.15	0.0	-4.79	2.33
369	84	-2.53	1.79	-4.62e-03	0.0	0.0	-30.64	2.57	0.83	0.0	-0.91	-14.54
		-14.54	-0.91	-2.39e-04	0.0	325.5	-28.66	2.57	0.83	0.0	1.79	-2.53
369	85	14.32	0.17	4.53e-03	0.0	0.0	-35.98	-2.54	-0.22	0.0	0.17	14.32
		2.39	-0.54	7.44e-05	0.0	325.5	-33.99	-2.54	-0.22	0.0	-0.54	2.39
369	112	-2.20	5.45	-3.36e-03	0.0	0.0	-29.05	2.63	2.49	0.0	-2.66	-10.42
		-10.42	-2.66	-4.77e-04	0.0	325.5	-27.07	2.63	2.49	0.0	5.45	-2.20
369	113	10.20	1.93	3.28e-03	0.0	0.0	-37.56	-2.61	-1.88	0.0	1.93	10.20
		2.05	-4.19	3.20e-04	0.0	325.5	-35.58	-2.61	-1.88	0.0	-4.19	2.05
369	116	-4.53	2.57	-8.64e-03	0.0	0.0	-28.45	4.83	1.18	0.0	-1.27	-27.23
		-27.23	-1.27	-3.48e-04	0.0	325.5	-26.46	4.83	1.18	0.0	2.57	-4.53
369	117	27.01	0.53	8.56e-03	0.0	0.0	-38.17	-4.81	-0.56	0.0	0.53	27.01
		4.39	-1.31	1.81e-04	0.0	325.5	-36.19	-4.81	-0.56	0.0	-1.31	4.39
369	144	-3.96	8.10	-6.21e-03	0.0	0.0	-25.86	4.84	3.69	0.0	-3.93	-19.23
		-19.23	-3.93	-6.92e-04	0.0	325.5	-23.88	4.84	3.69	0.0	8.10	-3.96
369	145	19.00	3.19	6.12e-03	0.0	0.0	-40.76	-4.82	-3.08	0.0	3.19	19.00
		3.82	-6.84	5.36e-04	0.0	325.5	-38.77	-4.82	-3.08	0.0	-6.84	3.82
375	2	-0.32	0.37	-9.08e-06	0.0	0.0	-83.32	0.03	0.06	-3.35e-05	0.33	-0.35
		-0.35	0.33	2.62e-05	0.0	80.0	-82.68	0.03	0.06	-3.35e-05	0.37	-0.32
375	3	-0.08	0.38	-2.34e-06	0.0	0.0	-61.48	0.01	-0.26	3.50e-05	0.38	-0.09
		-0.09	0.17	2.35e-05	0.0	80.0	-60.99	0.01	-0.26	3.50e-05	0.17	-0.08
375	5	-0.12	0.61	-3.40e-06	0.0	0.0	-96.61	0.02	-0.42	6.17e-05	0.61	-0.13
		-0.13	0.28	3.82e-05	0.0	80.0	-95.97	0.02	-0.42	6.17e-05	0.28	-0.12
375	6	-0.27	0.55	-7.62e-06	0.0	0.0	-100.38	0.03	-0.17	1.84e-05	0.55	-0.29
		-0.29	0.42	3.84e-05	0.0	80.0	-99.74	0.03	-0.17	1.84e-05	0.42	-0.27
375	9	-0.08	0.29	-2.24e-06	0.0	0.0	-54.93	0.01	-0.21	1.74e-05	0.29	-0.09
		-0.09	0.12	1.77e-05	0.0	80.0	-54.44	0.01	-0.21	1.74e-05	0.12	-0.08
375	10	-0.22	0.25	-6.26e-06	0.0	0.0	-58.52	0.02	0.03	-2.38e-05	0.23	-0.24
		-0.24	0.23	1.79e-05	0.0	80.0	-58.03	0.02	0.03	-2.38e-05	0.25	-0.22
375	11	-0.08	0.42	-2.47e-06	0.0	0.0	-67.38	0.02	-0.29	3.96e-05	0.42	-0.10
		-0.10	0.19	2.59e-05	0.0	80.0	-66.89	0.02	-0.29	3.96e-05	0.19	-0.08
375	12	-0.19	0.37	-5.29e-06	0.0	0.0	-69.89	0.02	-0.12	1.07e-05	0.37	-0.20
		-0.20	0.28	2.60e-05	0.0	80.0	-69.40	0.02	-0.12	1.07e-05	0.28	-0.19
375	13	-0.07	0.10	-1.89e-06	0.0	0.0	-36.25	6.59e-03	-0.10	-1.59e-05	0.10	-0.07
		-0.07	0.02	5.44e-06	0.0	80.0	-35.77	6.59e-03	-0.10	-1.59e-05	0.02	-0.07
375	14	-0.14	0.08	-3.90e-06	0.0	0.0	-38.05	0.01	0.02	-3.65e-05	0.07	-0.15
		-0.15	0.07	5.52e-06	0.0	80.0	-37.56	0.01	0.02	-3.65e-05	0.08	-0.14
375	15	-0.07	0.16	-2.00e-06	0.0	0.0	-42.48	8.42e-03	-0.14	-4.76e-06	0.16	-0.08
		-0.08	0.05	9.54e-06	0.0	80.0	-41.99	8.42e-03	-0.14	-4.76e-06	0.05	-0.07
375	16	-0.11	0.14	-3.21e-06	0.0	0.0	-43.56	0.01	-0.07	-1.71e-05	0.14	-0.12
		-0.12	0.09	9.59e-06	0.0	80.0	-43.07	0.01	-0.07	-1.71e-05	0.09	-0.11
375	17	-0.07	0.10	-1.89e-06	0.0	0.0	-36.25	6.59e-03	-0.10	-1.59e-05	0.10	-0.07
		-0.07	0.02	5.44e-06	0.0	80.0	-35.77	6.59e-03	-0.10	-1.59e-05	0.02	-0.07
375	18	-0.11	0.08	-3.09e-06	0.0	0.0	-37.33	9.37e-03	-0.03	-2.82e-05	0.08	-0.12
		-0.12	0.06	5.49e-06	0.0	80.0	-36.84	9.37e-03	-0.03	-2.82e-05	0.06	-0.11
375	19	-12.40	0.98	-3.86e-04	0.0	0.0	356.03	3.86	1.57	0.03	-2.77	-15.46
		-15.46	-2.77	-1.88e-04	0.0	80.0	356.51	3.86	1.57	0.03	0.98	-12.40
375	22	15.22	2.93	3.80e-04	0.0	0.0	-430.69	-3.84	-1.63	-0.03	2.93	15.22
		12.18	-0.86	1.99e-04	0.0	80.0	-430.20	-3.84	-1.63	-0.03	-0.86	12.18
375	47	-9.55	-1.76	-2.94e-04	0.0	0.0	447.47	2.75	1.56	0.02	-3.44	-11.71
		-11.71	-3.44	-2.40e-04	0.0	80.0	447.96	2.75	1.56	0.02	-1.76	-9.55
375	50	11.47	3.60	2.88e-04	0.0	0.0	-522.13	-2.73	-1.62	-0.02	3.60	11.47
		9.33	1.88	2.51e-04	0.0	80.0	-521.65	-2.73	-1.62	-0.02	1.88	9.33
375	51	-9.04	0.74	-2.81e-04	0.0	0.0	251.44	2.80	1.13	0.02	-2.01	-11.26
		-11.26	-2.01	-1.38e-04	0.0	80.0	251.92	2.80	1.13	0.02	0.74	-9.04
375	54	11.02	2.17	2.75e-04	0.0	0.0	-326.10	-2.78	-1.19	-0.02	2.17	11.02
		8.82	-0.63	1.49e-04	0.0	80.0	-325.61	-2.78	-1.19	-0.02	-0.63	8.82
375	79	-7.01	-1.31	-2.16e-04	0.0	0.0	320.46	2.01	1.12	0.01	-2.52	-8.59
		-8.59	-2.52	-1.76e-04	0.0	80.0	320.94	2.01	1.12	0.01	-1.31	-7.01

375	82	8.35	2.68	2.09e-04	0.0	0.0	-395.12	-1.99	-1.17	-0.01	2.68	8.35
		6.79	1.43	1.87e-04	0.0	80.0	-394.63	-1.99	-1.17	-0.01	1.43	6.79
375	83	-8.00	0.66	-2.49e-04	0.0	0.0	218.07	2.47	0.99	0.02	-1.77	-9.95
		-9.95	-1.77	-1.21e-04	0.0	80.0	218.56	2.47	0.99	0.02	0.66	-8.00
375	86	9.72	1.93	2.43e-04	0.0	0.0	-292.74	-2.45	-1.05	-0.02	1.93	9.72
		7.78	-0.55	1.32e-04	0.0	80.0	-292.25	-2.45	-1.05	-0.02	-0.55	7.78
375	111	-6.21	-1.16	-1.91e-04	0.0	0.0	279.41	1.78	0.98	0.01	-2.22	-7.61
		-7.61	-2.22	-1.56e-04	0.0	80.0	279.89	1.78	0.98	0.01	-1.16	-6.21
375	114	7.37	2.38	1.85e-04	0.0	0.0	-354.07	-1.76	-1.04	-0.01	2.38	7.37
		5.99	1.27	1.67e-04	0.0	80.0	-353.58	-1.76	-1.04	-0.01	1.27	5.99
375	115	-14.94	1.17	-4.66e-04	0.0	0.0	437.15	4.65	1.90	0.04	-3.35	-18.63
		-18.63	-3.35	-2.28e-04	0.0	80.0	437.64	4.65	1.90	0.04	1.17	-14.94
375	118	18.40	3.51	4.59e-04	0.0	0.0	-511.82	-4.63	-1.96	-0.04	3.51	18.40
		14.72	-1.05	2.39e-04	0.0	80.0	-511.33	-4.63	-1.96	-0.04	-1.05	14.72
375	143	-11.51	-2.14	-3.54e-04	0.0	0.0	549.31	3.31	1.89	0.02	-4.18	-14.12
		-14.12	-4.18	-2.91e-04	0.0	80.0	549.80	3.31	1.89	0.02	-2.14	-11.51
375	146	13.89	4.34	3.48e-04	0.0	0.0	-623.97	-3.29	-1.95	-0.02	4.34	13.89
		11.29	2.26	3.02e-04	0.0	80.0	-623.48	-3.29	-1.95	-0.02	2.26	11.29
376	2	-0.15	3.11	-9.45e-05	0.0	0.0	-83.50	0.05	-7.12	-1.58e-04	3.11	-0.21
		-0.21	-5.04	6.14e-04	0.0	114.5	-82.59	0.05	-7.12	-1.58e-04	-5.04	-0.15
376	3	-0.03	0.33	-2.47e-05	0.0	0.0	-33.10	0.01	-1.08	2.27e-05	0.33	-0.05
		-0.05	-0.91	1.32e-04	0.0	114.5	-32.41	0.01	-1.08	2.27e-05	-0.91	-0.03
376	9	-0.04	0.46	-2.36e-05	0.0	0.0	-34.08	0.01	-1.27	3.33e-06	0.46	-0.05
		-0.05	-0.98	1.31e-04	0.0	114.5	-33.38	0.01	-1.27	3.33e-06	-0.98	-0.04
376	10	-0.11	2.17	-6.51e-05	0.0	0.0	-59.17	0.03	-4.94	-1.08e-04	2.17	-0.14
		-0.14	-3.49	4.25e-04	0.0	114.5	-58.48	0.03	-4.94	-1.08e-04	-3.49	-0.11
376	13	-0.03	0.72	-1.97e-05	0.0	0.0	-33.25	8.17e-03	-1.57	-3.15e-05	0.72	-0.04
		-0.04	-1.08	1.27e-04	0.0	114.5	-32.56	8.17e-03	-1.57	-3.15e-05	-1.08	-0.03
376	14	-0.07	1.57	-4.05e-05	0.0	0.0	-45.80	0.02	-3.41	-8.72e-05	1.57	-0.09
		-0.09	-2.33	2.73e-04	0.0	114.5	-45.10	0.02	-3.41	-8.72e-05	-2.33	-0.07
376	17	-0.03	0.72	-1.97e-05	0.0	0.0	-33.25	8.17e-03	-1.57	-3.15e-05	0.72	-0.04
		-0.04	-1.08	1.27e-04	0.0	114.5	-32.56	8.17e-03	-1.57	-3.15e-05	-1.08	-0.03
376	18	-0.06	1.23	-3.22e-05	0.0	0.0	-40.78	0.01	-2.67	-6.49e-05	1.23	-0.07
		-0.07	-1.83	2.15e-04	0.0	114.5	-40.08	0.01	-2.67	-6.49e-05	-1.83	-0.06
376	20	1.64	-0.89	-4.14e-03	0.0	0.0	-68.29	3.10	-1.12	9.22e-03	-0.89	-3.68
		-3.68	-1.00	8.44e-04	0.0	114.5	-67.60	3.10	-1.12	9.22e-03	-1.00	1.64
376	21	3.54	3.35	4.07e-03	0.0	0.0	-13.27	-3.08	-4.23	-9.35e-03	3.35	3.54
		-1.75	-2.66	-4.15e-04	0.0	114.5	-12.57	-3.08	-4.23	-9.35e-03	-2.66	-1.75
376	48	-1.23	-0.09	-3.05e-03	0.0	0.0	-76.05	-1.59	0.59	5.97e-03	-1.90	-3.29
		-3.29	-1.90	1.01e-03	0.0	114.5	-75.35	-1.59	0.59	5.97e-03	-0.09	-1.23
376	49	3.14	4.36	2.99e-03	0.0	0.0	-5.51	1.62	-5.93	-6.10e-03	4.36	3.14
		1.12	-3.57	-5.84e-04	0.0	114.5	-4.82	1.62	-5.93	-6.10e-03	-3.57	1.12
376	52	1.20	-0.35	-3.02e-03	0.0	0.0	-61.27	2.25	-1.49	6.83e-03	-0.35	-2.75
		-2.75	-1.21	6.86e-04	0.0	114.5	-60.58	2.25	-1.49	6.83e-03	-1.21	1.20
376	53	2.61	2.81	2.95e-03	0.0	0.0	-20.29	-2.22	-3.86	-6.96e-03	2.81	2.61
		-1.31	-2.45	-2.56e-04	0.0	114.5	-19.59	-2.22	-3.86	-6.96e-03	-2.45	-1.31
376	80	-0.96	-0.42	-2.25e-03	0.0	0.0	-67.10	-1.17	-0.09	4.57e-03	-1.14	-2.46
		-2.46	-1.14	8.13e-04	0.0	114.5	-66.41	-1.17	-0.09	4.57e-03	-0.42	-0.96
376	81	2.32	3.60	2.19e-03	0.0	0.0	-14.46	1.20	-5.25	-4.70e-03	3.60	2.32
		0.85	-3.23	-3.84e-04	0.0	114.5	-13.76	1.20	-5.25	-4.70e-03	-3.23	0.85
376	84	1.06	-0.17	-2.67e-03	0.0	0.0	-58.94	1.98	-1.62	6.04e-03	-0.17	-2.45
		-2.45	-1.28	6.32e-04	0.0	114.5	-58.25	1.98	-1.62	6.04e-03	-1.28	1.06
376	85	2.30	2.63	2.61e-03	0.0	0.0	-22.62	-1.96	-3.72	-6.17e-03	2.63	2.30
		-1.17	-2.38	-2.03e-04	0.0	114.5	-21.92	-1.96	-3.72	-6.17e-03	-2.38	-1.17
376	112	-0.86	-0.58	-1.99e-03	0.0	0.0	-64.12	-1.03	-0.37	4.05e-03	-0.88	-2.19
		-2.19	-0.88	7.46e-04	0.0	114.5	-63.42	-1.03	-0.37	4.05e-03	-0.58	-0.86
376	113	2.05	3.34	1.93e-03	0.0	0.0	-17.45	1.06	-4.97	-4.18e-03	3.34	2.05
		0.75	-3.08	-3.16e-04	0.0	114.5	-16.75	1.06	-4.97	-4.18e-03	-3.08	0.75
376	116	1.98	-0.84	-4.99e-03	0.0	0.0	-73.99	3.75	-0.81	0.01	-1.33	-4.41
		-4.41	-1.33	9.75e-04	0.0	114.5	-73.30	3.75	-0.81	0.01	-0.84	1.98
376	117	4.27	3.79	4.92e-03	0.0	0.0	-7.57	-3.72	-4.54	-0.01	3.79	4.27
		-2.09	-2.82	-5.46e-04	0.0	114.5	-6.87	-3.72	-4.54	-0.01	-2.82	-2.09
376	144	-1.43	0.15	-3.68e-03	0.0	0.0	-83.44	-1.91	1.11	7.12e-03	-2.51	-3.96
		-3.96	-2.51	1.18e-03	0.0	114.5	-82.74	-1.91	1.11	7.12e-03	0.15	-1.43
376	145	3.81	4.97	3.61e-03	0.0	0.0	1.88	1.94	-6.46	-7.25e-03	4.97	3.81
		1.32	-3.80	-7.52e-04	0.0	114.5	2.57	1.94	-6.46	-7.25e-03	-3.80	1.32
379	2	-0.05	3.19	-3.47e-04	0.0	0.0	-68.84	0.04	-1.61	0.0	3.19	-0.20
		-0.20	-2.60	3.99e-03	0.0	360.0	-65.99	0.04	-1.61	0.0	-2.60	-0.05
379	6	-0.04	3.81	-2.89e-04	0.0	0.0	-55.71	0.04	-1.97	0.0	3.81	-0.17
		-0.17	-3.28	4.76e-03	0.0	360.0	-52.86	0.04	-1.97	0.0	-3.28	-0.04
379	7	1.69e-03	2.80	-9.94e-05	0.0	0.0	-20.32	0.01	-1.50	0.0	2.80	-0.05
		-0.05	-2.58	3.51e-03	0.0	360.0	-18.13	0.01	-1.50	0.0	-2.58	1.69e-03
379	10	-0.04	2.17	-2.39e-04	0.0	0.0	-48.88	0.03	-1.09	0.0	2.17	-0.14
		-0.14	-1.76	2.71e-03	0.0	360.0	-46.69	0.03	-1.09	0.0	-1.76	-0.04
379	11	-3.58e-03	2.01	-9.28e-05	0.0	0.0	-21.08	0.01	-1.07	0.0	2.01	-0.05

		-0.05	-1.83	2.52e-03	0.0	360.0	-18.88	0.01	-1.07	0.0	-1.83	-3.58e-03
379	12	-0.02	2.57	-2.01e-04	0.0	0.0	-40.13	0.03	-1.33	0.0	2.57	-0.11
		-0.11	-2.21	3.22e-03	0.0	360.0	-37.94	0.03	-1.33	0.0	-2.21	-0.02
379	14	-0.03	0.79	-1.51e-04	0.0	0.0	-36.16	0.02	-0.37	0.0	0.79	-0.09
		-0.09	-0.56	9.80e-04	0.0	360.0	-33.96	0.02	-0.37	0.0	-0.56	-0.03
379	15	-0.01	0.71	-7.75e-05	0.0	0.0	-22.25	9.74e-03	-0.36	0.0	0.71	-0.05
		-0.05	-0.59	8.84e-04	0.0	360.0	-20.06	9.74e-03	-0.36	0.0	-0.59	-0.01
379	16	-0.02	0.95	-1.24e-04	0.0	0.0	-30.42	0.01	-0.47	0.0	0.95	-0.07
		-0.07	-0.76	1.19e-03	0.0	360.0	-28.22	0.01	-0.47	0.0	-0.76	-0.02
379	17	-0.01	0.39	-7.37e-05	0.0	0.0	-22.54	8.91e-03	-0.19	0.0	0.39	-0.04
		-0.04	-0.28	4.75e-04	0.0	360.0	-20.35	8.91e-03	-0.19	0.0	-0.28	-0.01
379	18	-0.02	0.63	-1.20e-04	0.0	0.0	-30.71	0.01	-0.30	0.0	0.63	-0.07
		-0.07	-0.45	7.78e-04	0.0	360.0	-28.52	0.01	-0.30	0.0	-0.45	-0.02
379	19	13.68	0.72	-7.51e-03	0.0	0.0	-29.68	4.72	1.24	0.0	0.28	-2.30
		-2.30	0.28	7.42e-04	0.0	360.0	-27.49	4.72	1.24	0.0	0.72	13.68
379	22	2.15	0.98	7.27e-03	0.0	0.0	-31.74	-4.69	-1.83	0.0	0.98	2.15
		-13.72	-1.61	8.21e-04	0.0	360.0	-29.55	-4.69	-1.83	0.0	-1.61	-13.72
379	47	8.78	8.53	4.14e-03	0.0	0.0	-32.77	-1.60	3.90	0.0	-5.50	1.48
		1.48	-5.50	-6.27e-03	0.0	360.0	-30.58	-1.60	3.90	0.0	8.53	8.78
379	48	-3.30	7.28	-8.91e-03	0.0	0.0	-27.60	3.19	-3.98	0.0	7.28	-3.30
		-4.74	-7.78	8.88e-03	0.0	360.0	-25.40	3.19	-3.98	0.0	-7.78	-4.74
379	49	4.70	6.89	8.67e-03	0.0	0.0	-33.83	-3.16	3.38	0.0	-6.03	3.15
		3.15	-6.03	-7.32e-03	0.0	360.0	-31.63	-3.16	3.38	0.0	6.89	4.70
379	50	-1.62	6.75	-4.38e-03	0.0	0.0	-28.65	1.63	-4.49	0.0	6.75	-1.62
		-8.82	-9.42	7.83e-03	0.0	360.0	-26.45	1.63	-4.49	0.0	-9.42	-8.82
379	51	9.90	0.39	-5.47e-03	0.0	0.0	-29.97	3.43	0.88	0.0	0.33	-1.74
		-1.74	0.33	6.81e-04	0.0	360.0	-27.78	3.43	0.88	0.0	0.39	9.90
379	54	1.59	0.92	5.23e-03	0.0	0.0	-31.45	-3.40	-1.48	0.0	0.92	1.59
		-9.95	-1.28	8.75e-04	0.0	360.0	-29.26	-3.40	-1.48	0.0	-1.28	-9.95
379	79	6.47	6.75	3.03e-03	0.0	0.0	-32.29	-1.18	3.11	0.0	-4.41	1.08
		1.08	-4.41	-5.01e-03	0.0	360.0	-30.09	-1.18	3.11	0.0	6.75	6.47
379	80	-2.47	6.06	-6.58e-03	0.0	0.0	-28.37	2.35	-3.32	0.0	6.06	-2.47
		-3.55	-6.43	7.34e-03	0.0	360.0	-26.17	2.35	-3.32	0.0	-6.43	-3.55
379	81	3.51	5.53	6.34e-03	0.0	0.0	-33.06	-2.32	2.72	0.0	-4.81	2.33
		2.33	-4.81	-5.79e-03	0.0	360.0	-30.86	-2.32	2.72	0.0	5.53	3.51
379	82	-1.23	5.66	-3.27e-03	0.0	0.0	-29.13	1.21	-3.71	0.0	5.66	-1.23
		-6.51	-7.64	6.57e-03	0.0	360.0	-26.94	1.21	-3.71	0.0	-7.64	-6.51
379	83	8.74	0.36	-4.84e-03	0.0	0.0	-30.06	3.03	0.75	0.0	0.36	-1.55
		-1.55	0.29	6.81e-04	0.0	360.0	-27.87	3.03	0.75	0.0	0.29	8.74
379	86	1.41	0.90	4.60e-03	0.0	0.0	-31.36	-3.01	-1.35	0.0	0.90	1.41
		-8.78	-1.18	8.74e-04	0.0	360.0	-29.17	-3.01	-1.35	0.0	-1.18	-8.78
379	111	5.72	5.95	2.67e-03	0.0	0.0	-32.11	-1.04	2.73	0.0	-3.86	0.95
		0.95	-3.86	-4.38e-03	0.0	360.0	-29.92	-1.04	2.73	0.0	5.95	5.72
379	112	-2.20	5.47	-5.84e-03	0.0	0.0	-28.63	2.08	-2.99	0.0	5.47	-2.20
		-3.14	-5.77	6.62e-03	0.0	360.0	-26.44	2.08	-2.99	0.0	-5.77	-3.14
379	113	3.10	4.88	5.60e-03	0.0	0.0	-32.79	-2.05	2.39	0.0	-4.21	2.05
		2.05	-4.21	-5.06e-03	0.0	360.0	-30.60	-2.05	2.39	0.0	4.88	3.10
379	114	-1.09	5.11	-2.91e-03	0.0	0.0	-29.31	1.07	-3.33	0.0	5.11	-1.09
		-5.76	-6.85	5.94e-03	0.0	360.0	-27.12	1.07	-3.33	0.0	-6.85	-5.76
379	115	16.50	0.99	-9.03e-03	0.0	0.0	-29.46	5.69	1.53	0.0	0.24	-2.74
		-2.74	0.24	7.78e-04	0.0	360.0	-27.26	5.69	1.53	0.0	0.99	16.50
379	118	2.60	1.02	8.79e-03	0.0	0.0	-31.96	-5.66	-2.12	0.0	1.02	2.60
		-16.54	-1.89	8.15e-04	0.0	360.0	-29.77	-5.66	-2.12	0.0	-1.89	-16.54
379	143	10.53	9.84	5.03e-03	0.0	0.0	-33.18	-1.92	4.46	0.0	-6.24	1.81
		1.81	-6.24	-7.14e-03	0.0	360.0	-30.99	-1.92	4.46	0.0	9.84	10.53
379	144	-3.96	8.12	-0.01	0.0	0.0	-26.96	3.84	-4.44	0.0	8.12	-3.96
		-5.65	-8.76	9.95e-03	0.0	360.0	-24.77	3.84	-4.44	0.0	-8.76	-5.65
379	145	5.60	7.86	0.01	0.0	0.0	-34.46	-3.81	3.84	0.0	-6.87	3.82
		3.82	-6.87	-8.40e-03	0.0	360.0	-32.27	-3.81	3.84	0.0	7.86	5.60
379	146	-1.95	7.50	-5.27e-03	0.0	0.0	-28.24	1.95	-5.06	0.0	7.50	-1.95
		-10.57	-10.74	8.69e-03	0.0	360.0	-26.05	1.95	-5.06	0.0	-10.74	-10.57
381	2	-0.25	0.37	-1.30e-04	0.0	0.0	-67.25	0.03	-0.26	-3.35e-05	0.37	-0.32
		-0.32	-0.26	2.79e-04	0.0	245.5	-65.31	0.03	-0.26	-3.35e-05	-0.26	-0.25
381	3	-0.04	0.17	-3.11e-05	0.0	0.0	-44.92	0.01	-0.11	3.50e-05	0.17	-0.08
		-0.08	-0.10	1.87e-04	0.0	245.5	-43.43	0.01	-0.11	3.50e-05	-0.10	-0.04
381	6	-0.19	0.42	-1.07e-04	0.0	0.0	-76.86	0.03	-0.28	1.84e-05	0.42	-0.27
		-0.27	-0.26	3.62e-04	0.0	245.5	-74.92	0.03	-0.28	1.84e-05	-0.26	-0.19
381	7	-0.04	0.27	-3.46e-05	0.0	0.0	-57.29	0.02	-0.17	6.82e-05	0.27	-0.09
		-0.09	-0.14	2.94e-04	0.0	245.5	-55.80	0.02	-0.17	6.82e-05	-0.14	-0.04
381	9	-0.05	0.12	-3.04e-05	0.0	0.0	-41.01	0.01	-0.08	1.74e-05	0.12	-0.08
		-0.08	-0.08	1.34e-04	0.0	245.5	-39.52	0.01	-0.08	1.74e-05	-0.08	-0.05
381	10	-0.17	0.25	-8.96e-05	0.0	0.0	-47.14	0.02	-0.18	-2.38e-05	0.25	-0.22
		-0.22	-0.18	1.89e-04	0.0	245.5	-45.64	0.02	-0.18	-2.38e-05	-0.18	-0.17
381	11	-0.05	0.19	-3.28e-05	0.0	0.0	-49.26	0.02	-0.12	3.96e-05	0.19	-0.08
		-0.08	-0.11	2.05e-04	0.0	245.5	-47.76	0.02	-0.12	3.96e-05	-0.11	-0.05

381	12	-0.13	0.28	-7.42e-05	0.0	0.0	-53.55	0.02	-0.19	1.07e-05	0.28	-0.19
		-0.19	-0.18	2.44e-04	0.0	245.5	-52.05	0.02	-0.19	1.07e-05	-0.18	-0.13
381	13	-0.05	0.02	-2.70e-05	0.0	0.0	-28.65	6.59e-03	-0.02	-1.59e-05	0.02	-0.07
		-0.07	-0.04	2.60e-05	0.0	245.5	-27.15	6.59e-03	-0.02	-1.59e-05	-0.04	-0.05
381	14	-0.11	0.08	-5.66e-05	0.0	0.0	-31.71	0.01	-0.07	-3.65e-05	0.08	-0.14
		-0.14	-0.09	5.37e-05	0.0	245.5	-30.21	0.01	-0.07	-3.65e-05	-0.09	-0.11
381	15	-0.05	0.05	-2.81e-05	0.0	0.0	-32.77	8.42e-03	-0.04	-4.76e-06	0.05	-0.07
		-0.07	-0.05	6.19e-05	0.0	245.5	-31.27	8.42e-03	-0.04	-4.76e-06	-0.05	-0.05
381	16	-0.09	0.09	-4.59e-05	0.0	0.0	-34.61	0.01	-0.07	-1.71e-05	0.09	-0.11
		-0.11	-0.08	7.85e-05	0.0	245.5	-33.11	0.01	-0.07	-1.71e-05	-0.08	-0.09
381	17	-0.05	0.02	-2.70e-05	0.0	0.0	-28.65	6.59e-03	-0.02	-1.59e-05	0.02	-0.07
		-0.07	-0.04	2.60e-05	0.0	245.5	-27.15	6.59e-03	-0.02	-1.59e-05	-0.04	-0.05
381	18	-0.09	0.06	-4.47e-05	0.0	0.0	-30.49	9.37e-03	-0.05	-2.82e-05	0.06	-0.11
		-0.11	-0.07	4.26e-05	0.0	245.5	-28.99	9.37e-03	-0.05	-2.82e-05	-0.07	-0.09
381	19	-1.89	0.98	-2.84e-03	0.0	0.0	250.73	3.86	-0.52	0.03	0.98	-12.40
		-12.40	0.42	1.25e-03	0.0	245.5	252.22	3.86	-0.52	0.03	0.42	-1.89
381	22	12.18	-0.56	2.75e-03	0.0	0.0	-311.70	-3.84	0.41	-0.03	-0.86	12.18
		1.72	-0.86	-1.16e-03	0.0	245.5	-310.20	-3.84	0.41	-0.03	-0.56	1.72
381	47	1.39	0.49	2.02e-03	0.0	0.0	322.15	2.75	0.80	0.02	-1.76	-9.55
		-9.55	-1.76	-1.58e-03	0.0	245.5	323.65	2.75	0.80	0.02	0.49	1.39
381	48	4.24	2.79	-4.02e-03	0.0	0.0	-247.27	-1.27	-1.36	-9.73e-03	2.79	4.24
		-3.22	-0.37	2.75e-03	0.0	245.5	-245.77	-1.27	-1.36	-9.73e-03	-0.37	-3.22
381	49	3.04	0.24	3.93e-03	0.0	0.0	186.30	1.29	1.26	9.68e-03	-2.68	-4.46
		-4.46	-2.68	-2.67e-03	0.0	245.5	187.79	1.29	1.26	9.68e-03	0.24	3.04
381	50	9.33	1.88	-2.11e-03	0.0	0.0	-383.12	-2.73	-0.91	-0.02	1.88	9.33
		-1.57	-0.63	1.66e-03	0.0	245.5	-381.63	-2.73	-0.91	-0.02	-0.63	-1.57
381	51	-1.42	0.74	-2.07e-03	0.0	0.0	176.86	2.80	-0.39	0.02	0.74	-9.04
		-9.04	0.29	9.34e-04	0.0	245.5	178.35	2.80	-0.39	0.02	0.29	-1.42
381	54	8.82	-0.42	1.98e-03	0.0	0.0	-237.83	-2.78	0.29	-0.02	-0.63	8.82
		1.24	-0.63	-8.49e-04	0.0	245.5	-236.33	-2.78	0.29	-0.02	-0.42	1.24
381	79	1.01	0.34	1.47e-03	0.0	0.0	230.64	2.01	0.59	0.01	-1.31	-7.01
		-7.01	-1.31	-1.18e-03	0.0	245.5	232.14	2.01	0.59	0.01	0.34	1.01
381	80	3.08	2.11	-2.95e-03	0.0	0.0	-192.58	-0.93	-1.03	-7.23e-03	2.11	3.08
		-2.41	-0.29	2.07e-03	0.0	245.5	-191.08	-0.93	-1.03	-7.23e-03	-0.29	-2.41
381	81	2.24	0.16	2.86e-03	0.0	0.0	131.60	0.95	0.93	7.18e-03	-2.00	-3.30
		-3.30	-2.00	-1.98e-03	0.0	245.5	133.10	0.95	0.93	7.18e-03	0.16	2.24
381	82	6.79	1.43	-1.56e-03	0.0	0.0	-291.61	-1.99	-0.69	-0.01	1.43	6.79
		-1.19	-0.48	1.26e-03	0.0	245.5	-290.12	-1.99	-0.69	-0.01	-0.48	-1.19
381	83	-1.26	0.66	-1.83e-03	0.0	0.0	153.01	2.47	-0.35	0.02	0.66	-8.00
		-8.00	0.24	8.32e-04	0.0	245.5	154.51	2.47	-0.35	0.02	0.24	-1.26
381	86	7.78	-0.38	1.74e-03	0.0	0.0	-213.98	-2.45	0.25	-0.02	-0.55	7.78
		1.09	-0.55	-7.46e-04	0.0	245.5	-212.49	-2.45	0.25	-0.02	-0.38	1.09
381	111	0.89	0.30	1.29e-03	0.0	0.0	200.78	1.78	0.52	0.01	-1.16	-6.21
		-6.21	-1.16	-1.04e-03	0.0	245.5	202.28	1.78	0.52	0.01	0.30	0.89
381	112	2.71	1.88	-2.62e-03	0.0	0.0	-174.20	-0.82	-0.92	-6.40e-03	1.88	2.71
		-2.15	-0.27	1.84e-03	0.0	245.5	-172.70	-0.82	-0.92	-6.40e-03	-0.27	-2.15
381	113	1.97	0.13	2.53e-03	0.0	0.0	113.23	0.84	0.82	6.35e-03	-1.76	-2.93
		-2.93	-1.76	-1.75e-03	0.0	245.5	114.72	0.84	0.82	6.35e-03	0.13	1.97
381	114	5.99	1.27	-1.38e-03	0.0	0.0	-261.75	-1.76	-0.62	-0.01	1.27	5.99
		-1.06	-0.43	1.13e-03	0.0	245.5	-260.26	-1.76	-0.62	-0.01	-0.43	-1.06
381	115	-2.26	1.17	-3.42e-03	0.0	0.0	308.80	4.65	-0.61	0.04	1.17	-14.94
		-14.94	0.52	1.50e-03	0.0	245.5	310.30	4.65	-0.61	0.04	0.52	-2.26
381	118	14.72	-0.66	3.33e-03	0.0	0.0	-369.78	-4.63	0.51	-0.04	-1.05	14.72
		2.09	-1.05	-1.41e-03	0.0	245.5	-368.28	-4.63	0.51	-0.04	-0.66	2.09
381	143	1.70	0.61	2.44e-03	0.0	0.0	396.22	3.31	0.98	0.02	-2.14	-11.51
		-11.51	-2.14	-1.92e-03	0.0	245.5	397.71	3.31	0.98	0.02	0.61	1.70
381	144	5.14	3.37	-4.85e-03	0.0	0.0	-292.69	-1.53	-1.64	-0.01	3.37	5.14
		-3.87	-0.44	3.32e-03	0.0	245.5	-291.19	-1.53	-1.64	-0.01	-0.44	-3.87
381	145	3.69	0.30	4.76e-03	0.0	0.0	231.72	1.55	1.53	0.01	-3.25	-5.36
		-5.36	-3.25	-3.23e-03	0.0	245.5	233.21	1.55	1.53	0.01	0.30	3.69
381	146	11.29	2.26	-2.53e-03	0.0	0.0	-457.19	-3.29	-1.08	-0.02	2.26	11.29
		-1.88	-0.74	2.00e-03	0.0	245.5	-455.69	-3.29	-1.08	-0.02	-0.74	-1.88
382	1	0.14	0.13	1.04e-04	0.0	0.0	-24.81	-0.01	-0.06	1.38e-04	0.13	0.14
		0.09	-0.07	1.18e-04	0.0	360.0	-21.96	-0.01	-0.06	1.38e-04	-0.07	0.09
382	3	0.14	0.11	9.79e-05	0.0	0.0	-14.35	-0.01	-0.05	1.59e-04	0.11	0.14
		0.08	-0.06	1.02e-04	0.0	360.0	-12.15	-0.01	-0.05	1.59e-04	-0.06	0.08
382	6	0.33	0.21	2.38e-04	0.0	0.0	-17.47	-0.04	-0.09	3.05e-04	0.21	0.33
		0.18	-0.12	2.23e-04	0.0	360.0	-14.62	-0.04	-0.09	3.05e-04	-0.12	0.18
382	8	0.33	0.19	2.32e-04	0.0	0.0	-7.00	-0.04	-0.08	3.27e-04	0.19	0.33
		0.17	-0.11	2.07e-04	0.0	360.0	-4.81	-0.04	-0.08	3.27e-04	-0.11	0.17
382	9	0.10	0.09	7.38e-05	0.0	0.0	-18.06	-9.61e-03	-0.04	9.47e-05	0.09	0.10
		0.07	-0.05	8.26e-05	0.0	360.0	-15.87	-9.61e-03	-0.04	9.47e-05	-0.05	0.07
382	12	0.23	0.15	1.63e-04	0.0	0.0	-13.17	-0.03	-0.06	2.06e-04	0.15	0.23
		0.13	-0.08	1.52e-04	0.0	360.0	-10.98	-0.03	-0.06	2.06e-04	-0.08	0.13
382	13	0.04	0.06	2.82e-05	0.0	0.0	-21.48	-1.09e-03	-0.03	-1.94e-05	0.06	0.04

		0.03	-0.03	3.94e-05	0.0	360.0	-19.28	-1.09e-03	-0.03	-1.94e-05	-0.03	0.03
382	14	0.10	0.09	7.02e-05	0.0	0.0	-19.60	-0.01	-0.04	6.00e-06	0.09	0.10
		0.06	-0.04	6.86e-05	0.0	360.0	-17.41	-0.01	-0.04	6.00e-06	-0.04	0.06
382	16	0.09	0.09	6.86e-05	0.0	0.0	-19.21	-9.63e-03	-0.04	3.39e-05	0.09	0.09
		0.06	-0.04	7.13e-05	0.0	360.0	-17.02	-9.63e-03	-0.04	3.39e-05	-0.04	0.06
382	17	0.04	0.06	2.82e-05	0.0	0.0	-21.48	-1.09e-03	-0.03	-1.94e-05	0.06	0.04
		0.03	-0.03	3.94e-05	0.0	360.0	-19.28	-1.09e-03	-0.03	-1.94e-05	-0.03	0.03
382	18	0.07	0.08	5.34e-05	0.0	0.0	-20.35	-6.79e-03	-0.03	-4.16e-06	0.08	0.07
		0.05	-0.04	5.69e-05	0.0	360.0	-18.16	-6.79e-03	-0.03	-4.16e-06	-0.04	0.05
382	24	7.68	2.63	4.96e-03	0.0	0.0	276.21	-1.92	-1.32	0.02	2.63	7.68
		0.61	-2.13	3.55e-03	0.0	360.0	278.40	-1.92	-1.32	0.02	-2.13	0.61
382	25	-0.51	2.06	-4.86e-03	0.0	0.0	-316.92	1.91	1.26	-0.02	-2.48	-7.53
		-7.53	-2.48	-3.43e-03	0.0	360.0	-314.72	1.91	1.26	-0.02	2.06	-0.51
382	40	9.73	2.17	6.29e-03	0.0	0.0	-125.09	-2.45	-1.03	0.02	2.17	9.73
		-1.30	-1.56	3.07e-03	0.0	360.0	-122.90	-2.45	-1.03	0.02	-1.56	-1.30
382	41	1.39	1.48	-6.18e-03	0.0	0.0	84.39	2.43	0.96	-0.02	-2.01	-9.58
		-9.58	-2.01	-2.96e-03	0.0	360.0	86.58	2.43	0.96	-0.02	1.48	1.39
382	56	5.82	1.98	3.76e-03	0.0	0.0	198.56	-1.46	-0.99	0.01	1.98	5.82
		0.48	-1.59	2.65e-03	0.0	360.0	200.76	-1.46	-0.99	0.01	-1.59	0.48
382	57	-0.38	1.52	-3.65e-03	0.0	0.0	-239.27	1.44	0.92	-0.01	-1.83	-5.67
		-5.67	-1.83	-2.54e-03	0.0	360.0	-237.08	1.44	0.92	-0.01	1.52	-0.38
382	72	7.38	1.65	4.77e-03	0.0	0.0	-97.64	-1.86	-0.78	0.01	1.65	7.38
		-1.01	-1.17	2.32e-03	0.0	360.0	-95.44	-1.86	-0.78	0.01	-1.17	-1.01
382	73	1.11	1.10	-4.66e-03	0.0	0.0	56.93	1.85	0.71	-0.01	-1.49	-7.23
		-7.23	-1.49	-2.20e-03	0.0	360.0	59.13	1.85	0.71	-0.01	1.10	1.11
382	88	5.17	1.76	3.34e-03	0.0	0.0	173.44	-1.30	-0.88	0.01	1.76	5.17
		0.43	-1.41	2.35e-03	0.0	360.0	175.64	-1.30	-0.88	0.01	-1.41	0.43
382	89	-0.33	1.34	-3.24e-03	0.0	0.0	-214.15	1.28	0.82	-0.01	-1.61	-5.03
		-5.03	-1.61	-2.24e-03	0.0	360.0	-211.95	1.28	0.82	-0.01	1.34	-0.33
382	104	6.56	1.47	4.24e-03	0.0	0.0	-88.80	-1.65	-0.69	0.01	1.47	6.56
		-0.90	-1.04	2.06e-03	0.0	360.0	-86.61	-1.65	-0.69	0.01	-1.04	-0.90
382	105	1.00	0.97	-4.13e-03	0.0	0.0	48.10	1.64	0.63	-0.01	-1.32	-6.41
		-6.41	-1.32	-1.95e-03	0.0	360.0	50.29	1.64	0.63	-0.01	0.97	1.00
382	120	9.21	3.15	5.95e-03	0.0	0.0	335.57	-2.30	-1.58	0.02	3.15	9.21
		0.72	-2.55	4.26e-03	0.0	360.0	337.76	-2.30	-1.58	0.02	-2.55	0.72
382	121	-0.62	2.48	-5.85e-03	0.0	0.0	-376.27	2.28	1.52	-0.02	-3.00	-9.06
		-9.06	-3.00	-4.14e-03	0.0	360.0	-374.08	2.28	1.52	-0.02	2.48	-0.62
382	136	11.69	2.59	7.56e-03	0.0	0.0	-146.99	-2.93	-1.23	0.02	2.59	11.69
		-1.54	-1.86	3.68e-03	0.0	360.0	-144.80	-2.93	-1.23	0.02	-1.86	-1.54
382	137	1.64	1.79	-7.45e-03	0.0	0.0	106.29	2.91	1.16	-0.02	-2.44	-11.54
		-11.54	-2.44	-3.57e-03	0.0	360.0	108.48	2.91	1.16	-0.02	1.79	1.64
383	1	0.02	0.06	7.75e-05	0.0	0.0	-51.83	-9.04e-03	-0.03	0.03	0.06	0.02
		-0.02	-0.03	1.12e-04	0.0	360.0	-48.65	-9.04e-03	-0.03	0.03	-0.03	-0.02
383	3	0.02	0.06	6.77e-05	0.0	0.0	-37.63	-6.27e-04	-0.02	0.04	0.06	0.02
		0.02	8.45e-03	9.79e-05	0.0	360.0	-35.18	-6.27e-04	-0.02	0.04	8.45e-03	0.02
383	4	0.12	0.15	1.70e-04	0.0	0.0	-50.75	-0.01	-0.02	0.09	0.15	0.12
		0.08	0.06	1.85e-04	0.0	360.0	-48.30	-0.01	-0.02	0.09	0.06	0.08
383	6	0.11	0.17	1.76e-04	0.0	0.0	-65.87	-0.02	-0.04	0.10	0.17	0.11
		0.05	0.03	2.16e-04	0.0	360.0	-62.69	-0.02	-0.04	0.10	0.03	0.05
383	9	9.33e-03	0.04	5.52e-05	0.0	0.0	-37.42	-4.47e-03	-0.02	0.02	0.04	9.33e-03
		-6.74e-03	-0.01	7.82e-05	0.0	360.0	-34.97	-4.47e-03	-0.02	0.02	-0.01	-6.74e-03
383	10	0.08	0.10	1.24e-04	0.0	0.0	-46.16	-0.01	-0.02	0.06	0.10	0.08
		0.03	0.02	1.36e-04	0.0	360.0	-43.72	-0.01	-0.02	0.06	0.02	0.03
383	12	0.07	0.11	1.21e-04	0.0	0.0	-46.78	-9.84e-03	-0.02	0.07	0.11	0.07
		0.04	0.02	1.48e-04	0.0	360.0	-44.33	-9.84e-03	-0.02	0.07	0.02	0.04
383	13	-0.01	-3.59e-03	2.89e-05	0.0	0.0	-32.56	-5.32e-03	-8.28e-03	-7.53e-03	-3.59e-03	-0.01
		-0.03	-0.03	3.51e-05	0.0	360.0	-30.12	-5.32e-03	-8.28e-03	-7.53e-03	-0.03	-0.03
383	14	0.02	0.02	6.31e-05	0.0	0.0	-36.94	-9.57e-03	-0.01	0.01	0.02	0.02
		-0.01	-0.02	6.41e-05	0.0	360.0	-34.49	-9.57e-03	-0.01	0.01	-0.02	-0.01
383	16	0.02	0.03	5.82e-05	0.0	0.0	-36.80	-7.58e-03	-0.01	0.01	0.03	0.02
		-0.01	-0.02	6.69e-05	0.0	360.0	-34.36	-7.58e-03	-0.01	0.01	-0.02	-0.01
383	17	-0.01	-3.59e-03	2.89e-05	0.0	0.0	-32.56	-5.32e-03	-8.28e-03	-7.53e-03	-3.59e-03	-0.01
		-0.03	-0.03	3.51e-05	0.0	360.0	-30.12	-5.32e-03	-8.28e-03	-7.53e-03	-0.03	-0.03
383	18	8.03e-03	0.01	4.94e-05	0.0	0.0	-35.19	-7.87e-03	-0.01	3.14e-03	0.01	8.03e-03
		-0.02	-0.02	5.25e-05	0.0	360.0	-32.74	-7.87e-03	-0.01	3.14e-03	-0.02	-0.02
383	24	2.84	4.07	2.56e-03	0.0	0.0	-337.28	0.36	-0.73	2.23	4.07	2.84
		0.42	-0.39	3.55e-03	0.0	360.0	-334.83	0.36	-0.73	2.23	-0.39	0.42
383	25	-0.46	0.34	-2.46e-03	0.0	0.0	266.90	-0.38	0.71	-2.22	-4.05	-2.82
		-2.82	-4.05	-3.45e-03	0.0	360.0	269.35	-0.38	0.71	-2.22	0.34	-0.46
383	36	3.74	3.32	3.39e-03	0.0	0.0	-382.61	-0.54	0.24	2.57	3.32	3.74
		-0.71	0.64	3.03e-03	0.0	360.0	-380.17	-0.54	0.24	2.57	0.64	-0.71
383	37	0.67	-0.68	-3.29e-03	0.0	0.0	312.24	0.53	-0.26	-2.57	-3.30	-3.73
		-3.73	-3.30	-2.93e-03	0.0	360.0	314.69	0.53	-0.26	-2.57	-0.68	0.67
383	40	3.78	3.05	3.44e-03	0.0	0.0	-379.61	-0.54	0.33	2.54	3.05	3.78
		-0.71	0.62	2.82e-03	0.0	360.0	-377.17	-0.54	0.33	2.54	0.62	-0.71

383	41	0.67	-0.67	-3.34e-03	0.0	0.0	309.24	0.53	-0.35	-2.54	-3.03	-3.76
		-3.76	-3.03	-2.72e-03	0.0	360.0	311.68	0.53	-0.35	-2.54	-0.67	0.67
383	56	2.13	3.02	1.94e-03	0.0	0.0	-263.04	0.26	-0.53	1.69	3.02	2.13
		0.31	-0.31	2.65e-03	0.0	360.0	-260.60	0.26	-0.53	1.69	-0.31	0.31
383	57	-0.35	0.26	-1.84e-03	0.0	0.0	192.67	-0.28	0.51	-1.69	-3.00	-2.12
		-2.12	-3.00	-2.54e-03	0.0	360.0	195.12	-0.28	0.51	-1.69	0.26	-0.35
383	68	2.82	2.48	2.57e-03	0.0	0.0	-298.12	-0.41	0.18	1.95	2.48	2.82
		-0.55	0.48	2.28e-03	0.0	360.0	-295.68	-0.41	0.18	1.95	0.48	-0.55
383	69	0.51	-0.52	-2.48e-03	0.0	0.0	227.75	0.40	-0.20	-1.95	-2.45	-2.81
		-2.81	-2.45	-2.17e-03	0.0	360.0	230.20	0.40	-0.20	-1.95	-0.52	0.51
383	72	2.86	2.29	2.61e-03	0.0	0.0	-295.98	-0.41	0.24	1.93	2.29	2.86
		-0.55	0.47	2.13e-03	0.0	360.0	-293.53	-0.41	0.24	1.93	0.47	-0.55
383	73	0.51	-0.51	-2.51e-03	0.0	0.0	225.61	0.40	-0.26	-1.92	-2.26	-2.84
		-2.84	-2.26	-2.03e-03	0.0	360.0	228.05	0.40	-0.26	-1.92	-0.51	0.51
383	88	1.89	2.68	1.73e-03	0.0	0.0	-237.46	0.23	-0.47	1.50	2.68	1.89
		0.28	-0.28	2.35e-03	0.0	360.0	-235.02	0.23	-0.47	1.50	-0.28	0.28
383	89	-0.32	0.23	-1.63e-03	0.0	0.0	167.09	-0.25	0.45	-1.50	-2.65	-1.88
		-1.88	-2.65	-2.25e-03	0.0	360.0	169.54	-0.25	0.45	-1.50	0.23	-0.32
383	100	2.51	2.20	2.29e-03	0.0	0.0	-268.74	-0.37	0.16	1.73	2.20	2.51
		-0.49	0.42	2.03e-03	0.0	360.0	-266.29	-0.37	0.16	1.73	0.42	-0.49
383	101	0.45	-0.47	-2.19e-03	0.0	0.0	198.37	0.35	-0.18	-1.73	-2.17	-2.49
		-2.49	-2.17	-1.92e-03	0.0	360.0	200.81	0.35	-0.18	-1.73	-0.47	0.45
383	104	2.54	2.03	2.32e-03	0.0	0.0	-266.84	-0.37	0.21	1.71	2.03	2.54
		-0.49	0.41	1.90e-03	0.0	360.0	-264.40	-0.37	0.21	1.71	0.41	-0.49
383	105	0.45	-0.46	-2.22e-03	0.0	0.0	196.47	0.35	-0.23	-1.71	-2.00	-2.52
		-2.52	-2.00	-1.79e-03	0.0	360.0	198.92	0.35	-0.23	-1.71	-0.46	0.45
383	120	3.41	4.89	3.08e-03	0.0	0.0	-400.34	0.43	-0.87	2.68	4.89	3.41
		0.52	-0.46	4.26e-03	0.0	360.0	-397.90	0.43	-0.87	2.68	-0.46	0.52
383	121	-0.56	0.41	-2.98e-03	0.0	0.0	329.97	-0.45	0.85	-2.67	-4.87	-3.40
		-3.40	-4.87	-4.15e-03	0.0	360.0	332.42	-0.45	0.85	-2.67	0.41	-0.56
383	132	4.51	3.99	4.08e-03	0.0	0.0	-455.02	-0.65	0.29	3.10	3.99	4.51
		-0.85	0.78	3.64e-03	0.0	360.0	-452.58	-0.65	0.29	3.10	0.78	-0.85
383	133	0.81	-0.82	-3.98e-03	0.0	0.0	384.65	0.64	-0.31	-3.10	-3.97	-4.49
		-4.49	-3.97	-3.54e-03	0.0	360.0	387.10	0.64	-0.31	-3.10	-0.82	0.81
383	136	4.55	3.66	4.13e-03	0.0	0.0	-451.43	-0.66	0.40	3.07	3.66	4.55
		-0.85	0.76	3.38e-03	0.0	360.0	-448.99	-0.66	0.40	3.07	0.76	-0.85
383	137	0.81	-0.80	-4.03e-03	0.0	0.0	381.06	0.64	-0.42	-3.06	-3.63	-4.53
		-4.53	-3.63	-3.28e-03	0.0	360.0	383.50	0.64	-0.42	-3.06	-0.80	0.81
384	1	-0.08	0.12	-8.66e-05	0.0	0.0	-28.96	9.54e-03	-0.05	1.54e-04	0.12	-0.12
		-0.12	-0.06	8.40e-05	0.0	360.0	-26.11	9.54e-03	-0.05	1.54e-04	-0.06	-0.08
384	2	-0.11	0.19	-1.09e-04	0.0	0.0	-21.12	9.04e-03	-0.08	4.90e-04	0.19	-0.15
		-0.15	-0.11	1.87e-04	0.0	360.0	-18.27	9.04e-03	-0.08	4.90e-04	-0.11	-0.11
384	3	-0.06	0.09	-6.11e-05	0.0	0.0	-17.88	5.60e-03	-0.04	2.09e-04	0.09	-0.08
		-0.08	-0.04	7.22e-05	0.0	360.0	-15.68	5.60e-03	-0.04	2.09e-04	-0.04	-0.06
384	4	-0.09	0.17	-8.32e-05	0.0	0.0	-10.03	5.11e-03	-0.07	5.45e-04	0.17	-0.11
		-0.11	-0.10	1.75e-04	0.0	360.0	-7.84	5.11e-03	-0.07	5.45e-04	-0.10	-0.09
384	6	-0.12	0.19	-1.16e-04	0.0	0.0	-21.94	0.01	-0.08	5.43e-04	0.19	-0.16
		-0.16	-0.11	1.83e-04	0.0	360.0	-19.09	0.01	-0.08	5.43e-04	-0.11	-0.12
384	9	-0.06	0.08	-5.99e-05	0.0	0.0	-20.83	6.11e-03	-0.03	1.11e-04	0.08	-0.08
		-0.08	-0.04	5.98e-05	0.0	360.0	-18.64	6.11e-03	-0.03	1.11e-04	-0.04	-0.06
384	10	-0.08	0.14	-7.46e-05	0.0	0.0	-15.60	5.79e-03	-0.06	3.35e-04	0.14	-0.10
		-0.10	-0.08	1.29e-04	0.0	360.0	-13.41	5.79e-03	-0.06	3.35e-04	-0.08	-0.08
384	12	-0.08	0.13	-7.97e-05	0.0	0.0	-16.15	6.91e-03	-0.06	3.70e-04	0.13	-0.11
		-0.11	-0.07	1.26e-04	0.0	360.0	-13.96	6.91e-03	-0.06	3.70e-04	-0.07	-0.08
384	13	-0.05	0.06	-4.57e-05	0.0	0.0	-22.36	4.58e-03	-0.02	-4.36e-05	0.06	-0.06
		-0.06	-0.03	3.33e-05	0.0	360.0	-20.17	4.58e-03	-0.02	-4.36e-05	-0.03	-0.05
384	14	-0.06	0.09	-5.31e-05	0.0	0.0	-19.75	4.41e-03	-0.04	6.84e-05	0.09	-0.07
		-0.07	-0.05	6.76e-05	0.0	360.0	-17.55	4.41e-03	-0.04	6.84e-05	-0.05	-0.06
384	16	-0.06	0.08	-5.49e-05	0.0	0.0	-20.28	4.99e-03	-0.04	7.50e-05	0.08	-0.07
		-0.07	-0.04	6.27e-05	0.0	360.0	-18.09	4.99e-03	-0.04	7.50e-05	-0.04	-0.06
384	17	-0.05	0.06	-4.57e-05	0.0	0.0	-22.36	4.58e-03	-0.02	-4.36e-05	0.06	-0.06
		-0.06	-0.03	3.33e-05	0.0	360.0	-20.17	4.58e-03	-0.02	-4.36e-05	-0.03	-0.05
384	18	-0.05	0.08	-5.01e-05	0.0	0.0	-20.79	4.48e-03	-0.03	2.36e-05	0.08	-0.07
		-0.07	-0.04	5.39e-05	0.0	360.0	-18.60	4.48e-03	-0.03	2.36e-05	-0.04	-0.05
384	19	1.10	0.78	-2.34e-03	0.0	0.0	-262.31	0.93	-0.39	6.60e-03	0.78	-3.60
		-3.60	-0.64	1.25e-03	0.0	360.0	-260.12	0.93	-0.39	6.60e-03	-0.64	1.10
384	22	3.47	0.56	2.24e-03	0.0	0.0	220.73	-0.92	0.32	-6.56e-03	-0.63	3.47
		-1.20	-0.63	-1.14e-03	0.0	360.0	222.92	-0.92	0.32	-6.56e-03	0.56	-1.20
384	35	0.96	1.27	-1.73e-03	0.0	0.0	-300.52	0.69	0.81	-4.95e-03	-1.63	-2.65
		-2.65	-1.63	-2.14e-03	0.0	360.0	-298.33	0.69	0.81	-4.95e-03	1.27	0.96
384	38	2.52	1.79	1.63e-03	0.0	0.0	258.94	-0.68	-0.87	5.00e-03	1.79	2.52
		-1.06	-1.35	2.25e-03	0.0	360.0	261.13	-0.68	-0.87	5.00e-03	-1.35	-1.06
384	40	0.90	2.62	5.88e-04	0.0	0.0	258.12	-0.25	-1.29	9.72e-03	2.62	0.90
		-0.54	-2.02	3.44e-03	0.0	360.0	260.31	-0.25	-1.29	9.72e-03	-2.02	-0.54
384	41	0.44	1.94	-6.88e-04	0.0	0.0	-299.70	0.26	1.22	-9.67e-03	-2.47	-1.03

		-1.03	-2.47	-3.33e-03	0.0	360.0	-297.51	0.26	1.22	-9.67e-03	1.94	0.44
384	51	0.85	0.60	-1.75e-03	0.0	0.0	-200.47	0.71	-0.30	4.89e-03	0.60	-2.71
		-2.71	-0.49	9.46e-04	0.0	360.0	-198.28	0.71	-0.30	4.89e-03	-0.49	0.85
384	54	2.57	0.41	1.65e-03	0.0	0.0	158.88	-0.70	0.23	-4.84e-03	-0.45	2.57
		-0.95	-0.45	-8.39e-04	0.0	360.0	161.08	-0.70	0.23	-4.84e-03	0.41	-0.95
384	72	0.63	2.00	4.11e-04	0.0	0.0	189.17	-0.18	-0.98	7.33e-03	2.00	0.63
		-0.42	-1.54	2.61e-03	0.0	360.0	191.36	-0.18	-0.98	7.33e-03	-1.54	-0.42
384	73	0.32	1.46	-5.12e-04	0.0	0.0	-230.75	0.19	0.92	-7.28e-03	-1.85	-0.77
		-0.77	-1.85	-2.51e-03	0.0	360.0	-228.56	0.19	0.92	-7.28e-03	1.46	0.32
384	83	0.76	0.54	-1.56e-03	0.0	0.0	-180.05	0.63	-0.27	4.33e-03	0.54	-2.41
		-2.41	-0.44	8.45e-04	0.0	360.0	-177.85	0.63	-0.27	4.33e-03	-0.44	0.76
384	86	2.27	0.36	1.46e-03	0.0	0.0	138.46	-0.63	0.20	-4.28e-03	-0.39	2.27
		-0.86	-0.39	-7.37e-04	0.0	360.0	140.65	-0.63	0.20	-4.28e-03	0.36	-0.86
384	104	0.55	1.79	3.58e-04	0.0	0.0	165.56	-0.16	-0.87	6.51e-03	1.79	0.55
		-0.38	-1.37	2.33e-03	0.0	360.0	167.76	-0.16	-0.87	6.51e-03	-1.37	-0.38
384	105	0.28	1.29	-4.58e-04	0.0	0.0	-207.15	0.17	0.81	-6.46e-03	-1.63	-0.68
		-0.68	-1.63	-2.22e-03	0.0	360.0	-204.96	0.17	0.81	-6.46e-03	1.29	0.28
384	115	1.31	0.92	-2.78e-03	0.0	0.0	-310.81	1.10	-0.46	7.94e-03	0.92	-4.28
		-4.28	-0.76	1.49e-03	0.0	360.0	-308.62	1.10	-0.46	7.94e-03	-0.76	1.31
384	118	4.15	0.68	2.68e-03	0.0	0.0	269.23	-1.09	0.40	-7.90e-03	-0.77	4.15
		-1.41	-0.77	-1.38e-03	0.0	360.0	271.42	-1.09	0.40	-7.90e-03	0.68	-1.41
384	131	1.16	1.54	-2.05e-03	0.0	0.0	-357.52	0.81	0.98	-5.98e-03	-1.99	-3.14
		-3.14	-1.99	-2.59e-03	0.0	360.0	-355.33	0.81	0.98	-5.98e-03	1.54	1.16
384	134	3.01	2.14	1.95e-03	0.0	0.0	315.94	-0.81	-1.04	6.03e-03	2.14	3.01
		-1.26	-1.62	2.70e-03	0.0	360.0	318.13	-0.81	-1.04	6.03e-03	-1.62	-1.26
384	136	1.10	3.15	7.19e-04	0.0	0.0	314.44	-0.30	-1.54	0.01	3.15	1.10
		-0.64	-2.42	4.13e-03	0.0	360.0	316.63	-0.30	-1.54	0.01	-2.42	-0.64
384	137	0.54	2.34	-8.19e-04	0.0	0.0	-356.02	0.31	1.48	-0.01	-2.99	-1.23
		-1.23	-2.99	-4.03e-03	0.0	360.0	-353.83	0.31	1.48	-0.01	2.34	0.54
385	2	0.44	0.25	1.75e-04	0.0	0.0	-57.81	-0.06	-0.16	3.72e-04	0.25	0.44
		0.30	-0.14	1.74e-04	0.0	245.5	-55.87	-0.06	-0.16	3.72e-04	-0.14	0.30
385	3	0.30	0.03	1.16e-04	0.0	0.0	-23.75	-0.05	-0.02	3.98e-04	0.03	0.30
		0.17	-0.02	3.40e-05	0.0	245.5	-22.25	-0.05	-0.02	3.98e-04	-0.02	0.17
385	6	0.57	0.19	2.26e-04	0.0	0.0	-48.07	-0.09	-0.12	6.58e-04	0.19	0.57
		0.35	-0.10	1.33e-04	0.0	245.5	-46.13	-0.09	-0.12	6.58e-04	-0.10	0.35
385	7	0.47	0.04	1.82e-04	0.0	0.0	-19.96	-0.09	-0.02	6.80e-04	0.04	0.47
		0.26	-6.96e-03	3.06e-05	0.0	245.5	-18.47	-0.09	-0.02	6.80e-04	-6.96e-03	0.26
385	9	0.21	0.03	8.38e-05	0.0	0.0	-27.98	-0.04	-0.02	2.55e-04	0.03	0.21
		0.12	-0.02	3.73e-05	0.0	245.5	-26.48	-0.04	-0.02	2.55e-04	-0.02	0.12
385	10	0.30	0.17	1.18e-04	0.0	0.0	-41.21	-0.04	-0.11	2.47e-04	0.17	0.30
		0.20	-0.10	1.20e-04	0.0	245.5	-39.72	-0.04	-0.11	2.47e-04	-0.10	0.20
385	11	0.33	0.03	1.28e-04	0.0	0.0	-25.46	-0.06	-0.02	4.42e-04	0.03	0.33
		0.18	-0.02	3.51e-05	0.0	245.5	-23.96	-0.06	-0.02	4.42e-04	-0.02	0.18
385	12	0.39	0.13	1.52e-04	0.0	0.0	-34.72	-0.06	-0.08	4.37e-04	0.13	0.39
		0.24	-0.07	9.32e-05	0.0	245.5	-33.23	-0.06	-0.08	4.37e-04	-0.07	0.24
385	13	0.04	0.03	1.74e-05	0.0	0.0	-31.76	-3.99e-03	-0.02	-2.66e-05	0.03	0.04
		0.03	-0.03	4.07e-05	0.0	245.5	-30.27	-3.99e-03	-0.02	-2.66e-05	-0.03	0.03
385	14	0.08	0.09	3.46e-05	0.0	0.0	-38.38	-4.72e-03	-0.07	-3.07e-05	0.09	0.08
		0.07	-0.07	8.23e-05	0.0	245.5	-36.88	-4.72e-03	-0.07	-3.07e-05	-0.07	0.07
385	15	0.10	0.03	3.96e-05	0.0	0.0	-30.50	-0.01	-0.02	6.72e-05	0.03	0.10
		0.06	-0.03	3.96e-05	0.0	245.5	-29.01	-0.01	-0.02	6.72e-05	-0.03	0.06
385	16	0.13	0.07	4.99e-05	0.0	0.0	-34.47	-0.02	-0.05	6.48e-05	0.07	0.13
		0.09	-0.05	6.45e-05	0.0	245.5	-32.98	-0.02	-0.05	6.48e-05	-0.05	0.09
385	17	0.04	0.03	1.74e-05	0.0	0.0	-31.76	-3.99e-03	-0.02	-2.66e-05	0.03	0.04
		0.03	-0.03	4.07e-05	0.0	245.5	-30.27	-3.99e-03	-0.02	-2.66e-05	-0.03	0.03
385	18	0.07	0.07	2.77e-05	0.0	0.0	-35.73	-4.43e-03	-0.05	-2.90e-05	0.07	0.07
		0.06	-0.06	6.56e-05	0.0	245.5	-34.24	-4.43e-03	-0.05	-2.90e-05	-0.06	0.06
385	27	1.41	1.41	-4.99e-03	0.0	0.0	-373.20	4.54	-0.69	0.04	1.41	-13.50
		-13.50	-0.44	1.47e-03	0.0	245.5	-371.71	4.54	-0.69	0.04	-0.44	1.41
385	28	3.11	2.36	-2.38e-03	0.0	0.0	-254.48	2.24	-1.09	0.02	2.36	-6.47
		-6.47	-0.31	2.38e-03	0.0	245.5	-252.98	2.24	-1.09	0.02	-0.31	3.11
385	29	6.61	0.19	2.44e-03	0.0	0.0	183.02	-2.25	0.99	-0.02	-2.22	6.61
		-2.99	-2.22	-2.25e-03	0.0	245.5	184.51	-2.25	0.99	-0.02	0.19	-2.99
385	30	13.64	0.32	5.05e-03	0.0	0.0	301.74	-4.55	0.59	-0.04	-1.27	13.64
		-1.29	-1.27	-1.34e-03	0.0	245.5	303.23	-4.55	0.59	-0.04	0.32	-1.29
385	35	-2.11	-0.35	-5.58e-03	0.0	0.0	-303.36	5.04	0.41	0.04	-1.06	-15.08
		-15.08	-1.06	-9.81e-04	0.0	245.5	-301.87	5.04	0.41	0.04	-0.35	-2.11
385	38	15.22	1.19	5.63e-03	0.0	0.0	231.90	-5.05	-0.51	-0.04	1.19	15.22
		2.23	0.24	1.11e-03	0.0	245.5	233.40	-5.05	-0.51	-0.04	0.24	2.23
385	59	1.05	1.05	-3.64e-03	0.0	0.0	-281.92	3.32	-0.52	0.03	1.05	-9.86
		-9.86	-0.33	1.10e-03	0.0	245.5	-280.42	3.32	-0.52	0.03	-0.33	1.05
385	60	2.33	1.76	-1.73e-03	0.0	0.0	-194.56	1.64	-0.81	0.01	1.76	-4.71
		-4.71	-0.24	1.77e-03	0.0	245.5	-193.06	1.64	-0.81	0.01	-0.24	2.33
385	61	4.84	0.13	1.79e-03	0.0	0.0	123.09	-1.65	0.71	-0.01	-1.63	4.84
		-2.21	-1.63	-1.64e-03	0.0	245.5	124.59	-1.65	0.71	-0.01	0.13	-2.21

385	62	10.00	0.22	3.70e-03	0.0	0.0	210.46	-3.33	0.42	-0.03	-0.92	10.00
		-0.93	-0.92	-9.64e-04	0.0	245.5	211.95	-3.33	0.42	-0.03	0.22	-0.93
385	67	-1.58	-0.27	-4.08e-03	0.0	0.0	-232.09	3.68	0.29	0.03	-0.78	-11.03
		-11.03	-0.78	-7.21e-04	0.0	245.5	-230.60	3.68	0.29	0.03	-0.27	-1.58
385	70	11.16	0.91	4.13e-03	0.0	0.0	160.63	-3.68	-0.39	-0.03	0.91	11.16
		1.70	0.16	8.52e-04	0.0	245.5	162.13	-3.68	-0.39	-0.03	0.16	1.70
385	91	0.93	0.94	-3.22e-03	0.0	0.0	-253.39	2.93	-0.46	0.02	0.94	-8.71
		-8.71	-0.30	9.76e-04	0.0	245.5	-251.89	2.93	-0.46	0.02	-0.30	0.93
385	92	2.07	1.57	-1.53e-03	0.0	0.0	-176.08	1.45	-0.73	0.01	1.57	-4.15
		-4.15	-0.22	1.58e-03	0.0	245.5	-174.59	1.45	-0.73	0.01	-0.22	2.07
385	93	4.29	0.11	1.58e-03	0.0	0.0	104.62	-1.46	0.63	-0.01	-1.43	4.29
		-1.95	-1.43	-1.45e-03	0.0	245.5	106.11	-1.46	0.63	-0.01	0.11	-1.95
385	94	8.85	0.19	3.27e-03	0.0	0.0	181.92	-2.94	0.36	-0.02	-0.80	8.85
		-0.82	-0.80	-8.45e-04	0.0	245.5	183.42	-2.94	0.36	-0.02	0.19	-0.82
385	99	-1.40	-0.25	-3.60e-03	0.0	0.0	-209.41	3.25	0.26	0.03	-0.69	-9.74
		-9.74	-0.69	-6.32e-04	0.0	245.5	-207.91	3.25	0.26	0.03	-0.25	-1.40
385	102	9.88	0.82	3.66e-03	0.0	0.0	137.94	-3.26	-0.36	-0.03	0.82	9.88
		1.51	0.13	7.64e-04	0.0	245.5	139.44	-3.26	-0.36	-0.03	0.13	1.51
385	123	1.69	1.69	-6.02e-03	0.0	0.0	-444.15	5.46	-0.82	0.04	1.69	-16.29
		-16.29	-0.51	1.77e-03	0.0	245.5	-442.65	5.46	-0.82	0.04	-0.51	1.69
385	124	3.75	2.84	-2.87e-03	0.0	0.0	-300.81	2.69	-1.30	0.02	2.84	-7.80
		-7.80	-0.36	2.87e-03	0.0	245.5	-299.31	2.69	-1.30	0.02	-0.36	3.75
385	125	7.93	0.24	2.93e-03	0.0	0.0	229.34	-2.70	1.20	-0.02	-2.70	7.93
		-3.63	-2.70	-2.74e-03	0.0	245.5	230.84	-2.70	1.20	-0.02	0.24	-3.63
385	126	16.43	0.40	6.08e-03	0.0	0.0	372.69	-5.47	0.72	-0.04	-1.55	16.43
		-1.58	-1.55	-1.64e-03	0.0	245.5	374.18	-5.47	0.72	-0.04	0.40	-1.58
385	131	-2.56	-0.41	-6.73e-03	0.0	0.0	-358.71	6.07	0.50	0.05	-1.29	-18.21
		-18.21	-1.29	-1.20e-03	0.0	245.5	-357.21	6.07	0.50	0.05	-0.41	-2.56
385	134	18.34	1.42	6.79e-03	0.0	0.0	287.24	-6.08	-0.61	-0.05	1.42	18.34
		2.68	0.30	1.33e-03	0.0	245.5	288.74	-6.08	-0.61	-0.05	0.30	2.68
386	1	1.04	0.22	2.66e-04	2.75	0.0	-17.36	-1.36	0.04	0.02	0.09	0.98
		-0.23	0.09	7.00e-05	0.0	360.0	-14.19	1.39	0.04	0.02	0.22	1.04
386	2	1.33	0.55	3.46e-04	2.75	0.0	7.13	-1.28	0.10	0.02	0.19	0.98
		-0.08	0.19	2.29e-04	0.0	360.0	10.31	1.47	0.10	0.02	0.55	1.33
386	6	1.81	0.47	4.72e-04	4.59	0.0	7.99	-2.23	0.09	0.04	0.14	1.58
		-0.37	0.14	1.80e-04	0.0	360.0	11.17	2.36	0.09	0.04	0.47	1.81
386	7	1.56	0.17	4.04e-04	4.59	0.0	0.90	-2.30	0.04	0.04	0.04	1.56
		-0.52	0.04	4.73e-05	0.0	360.0	3.34	2.29	0.04	0.04	0.17	1.53
386	8	1.74	0.41	4.60e-04	4.59	0.0	18.04	-2.25	0.08	0.04	0.11	1.56
		-0.41	0.11	1.59e-04	0.0	360.0	20.49	2.34	0.08	0.04	0.41	1.74
386	9	0.70	0.16	1.80e-04	1.84	0.0	-13.23	-0.91	0.03	0.02	0.07	0.66
		-0.15	0.07	5.22e-05	0.0	360.0	-10.78	0.93	0.03	0.02	0.16	0.70
386	10	0.90	0.38	2.33e-04	1.84	0.0	3.10	-0.85	0.07	0.01	0.13	0.66
		-0.05	0.13	1.58e-04	0.0	360.0	5.55	0.98	0.07	0.01	0.38	0.90
386	11	1.08	0.17	2.80e-04	3.06	0.0	-7.75	-1.53	0.03	0.03	0.06	1.06
		-0.31	0.06	5.11e-05	0.0	360.0	-5.31	1.53	0.03	0.03	0.17	1.08
386	12	1.21	0.33	3.17e-04	3.06	0.0	3.68	-1.49	0.06	0.03	0.10	1.06
		-0.24	0.10	1.26e-04	0.0	360.0	6.12	1.57	0.06	0.03	0.33	1.21
386	13	0.13	0.14	2.95e-05	0.0	0.0	-21.44	0.02	0.01	-3.20e-03	0.08	0.05
		0.05	0.08	5.38e-05	0.0	360.0	-18.99	0.02	0.01	-3.20e-03	0.14	0.13
386	14	0.23	0.25	5.61e-05	0.0	0.0	-13.27	0.05	0.04	-5.11e-03	0.12	0.06
		0.06	0.12	1.07e-04	0.0	360.0	-10.83	0.05	0.04	-5.11e-03	0.25	0.23
386	15	0.32	0.15	7.96e-05	0.61	0.0	-18.70	-0.29	0.02	3.02e-03	0.08	0.26
		0.01	0.08	5.33e-05	0.0	360.0	-16.26	0.32	0.02	3.02e-03	0.15	0.32
386	16	0.38	0.21	9.56e-05	0.61	0.0	-13.80	-0.27	0.03	1.87e-03	0.10	0.26
		0.04	0.10	8.51e-05	0.0	360.0	-11.36	0.34	0.03	1.87e-03	0.21	0.38
386	17	0.13	0.14	2.95e-05	0.0	0.0	-21.44	0.02	0.01	-3.20e-03	0.08	0.05
		0.05	0.08	5.38e-05	0.0	360.0	-18.99	0.02	0.01	-3.20e-03	0.14	0.13
386	18	0.19	0.20	4.54e-05	0.0	0.0	-16.54	0.04	0.03	-4.34e-03	0.10	0.06
		0.06	0.10	8.57e-05	0.0	360.0	-14.09	0.04	0.03	-4.34e-03	0.20	0.19
386	28	3.64	4.16	3.09e-03	0.0	0.0	296.53	0.54	-0.60	1.90	4.16	3.64
		1.21	1.31	3.60e-03	0.0	360.0	298.97	0.54	-0.60	1.90	1.31	1.21
386	29	-0.82	-0.90	-3.00e-03	0.0	0.0	-329.61	-0.46	0.65	-1.91	-3.95	-3.52
		-3.52	-3.95	-3.43e-03	0.0	360.0	-327.16	-0.46	0.65	-1.91	-0.90	-0.82
386	48	4.55	3.55	3.94e-03	0.0	0.0	352.77	-0.61	0.32	-1.47	3.55	4.55
		1.34	1.44	3.17e-03	0.0	360.0	355.21	-0.61	0.32	-1.47	1.44	1.34
386	49	-0.95	-1.03	-3.85e-03	0.0	0.0	-385.85	0.69	-0.26	1.46	-3.34	-4.44
		-4.44	-3.34	-3.00e-03	0.0	360.0	-383.40	0.69	-0.26	1.46	-1.03	-0.95
386	60	2.70	3.09	2.31e-03	0.0	0.0	220.21	0.40	-0.43	1.37	3.09	2.70
		0.96	1.04	2.68e-03	0.0	360.0	222.65	0.40	-0.43	1.37	1.04	0.96
386	61	-0.57	-0.64	-2.21e-03	0.0	0.0	-253.28	-0.32	0.48	-1.38	-2.88	-2.59
		-2.59	-2.88	-2.51e-03	0.0	360.0	-250.84	-0.32	0.48	-1.38	-0.64	-0.57
386	80	3.41	2.64	2.96e-03	0.0	0.0	262.98	-0.45	0.24	-1.06	2.64	3.41
		1.06	1.14	2.37e-03	0.0	360.0	265.43	-0.45	0.24	-1.06	1.14	1.06
386	81	-0.68	-0.73	-2.87e-03	0.0	0.0	-296.06	0.52	-0.18	1.05	-2.43	-3.30

		-3.30	-2.43	-2.20e-03	0.0	360.0	-293.62	0.52	-0.18	1.05	-0.73	-0.68
386	92	2.40	2.74	2.05e-03	0.0	0.0	193.69	0.36	-0.38	1.21	2.74	2.40
		0.87	0.95	2.38e-03	0.0	360.0	196.14	0.36	-0.38	1.21	0.95	0.87
386	93	-0.49	-0.54	-1.96e-03	0.0	0.0	-226.77	-0.28	0.43	-1.22	-2.53	-2.29
		-2.29	-2.53	-2.21e-03	0.0	360.0	-224.33	-0.28	0.43	-1.22	-0.54	-0.49
386	112	3.03	2.35	2.63e-03	0.0	0.0	231.71	-0.39	0.21	-0.93	2.35	3.03
		0.97	1.03	2.11e-03	0.0	360.0	234.16	-0.39	0.21	-0.93	1.03	0.97
386	113	-0.58	-0.63	-2.54e-03	0.0	0.0	-264.79	0.47	-0.16	0.92	-2.14	-2.92
		-2.92	-2.14	-1.94e-03	0.0	360.0	-262.34	0.47	-0.16	0.92	-0.63	-0.58
386	124	4.39	5.01	3.73e-03	0.0	0.0	361.96	0.64	-0.73	2.30	5.01	4.39
		1.42	1.54	4.34e-03	0.0	360.0	364.41	0.64	-0.73	2.30	1.54	1.42
386	125	-1.03	-1.13	-3.63e-03	0.0	0.0	-395.04	-0.57	0.78	-2.31	-4.80	-4.28
		-4.28	-4.80	-4.17e-03	0.0	360.0	-392.60	-0.57	0.78	-2.31	-1.13	-1.03
386	144	5.50	4.28	4.76e-03	0.0	0.0	430.05	-0.74	0.38	-1.77	4.28	5.50
		1.57	1.69	3.82e-03	0.0	360.0	432.49	-0.74	0.38	-1.77	1.69	1.57
386	145	-1.19	-1.28	-4.67e-03	0.0	0.0	-463.12	0.82	-0.32	1.76	-4.07	-5.39
		-5.39	-4.07	-3.64e-03	0.0	360.0	-460.68	0.82	-0.32	1.76	-1.28	-1.19
390	1	-0.06	4.36	-4.78e-05	0.0	0.0	-12.02	0.02	-3.02	0.0	4.36	-0.13
		-0.13	-1.43	2.21e-03	2.49	325.5	-9.44	0.02	-0.53	0.0	-1.43	-0.06
390	2	-0.22	5.05	-1.53e-04	0.0	0.0	-9.44	0.06	-3.22	0.0	5.05	-0.41
		-0.41	-1.36	2.82e-03	2.49	325.5	-6.86	0.06	-0.73	0.0	-1.36	-0.22
390	4	-0.20	4.96	-1.41e-04	0.0	0.0	-6.55	0.05	-3.19	0.0	4.96	-0.38
		-0.38	-1.37	2.74e-03	2.49	325.5	-4.57	0.05	-0.70	0.0	-1.37	-0.20
390	6	-0.17	7.55	-1.25e-04	0.0	0.0	-9.88	0.05	-5.12	0.0	7.55	-0.34
		-0.34	-2.36	3.93e-03	4.15	325.5	-7.30	0.05	-0.97	0.0	-2.36	-0.17
390	7	-0.04	6.98	-3.96e-05	0.0	0.0	-8.80	0.02	-4.96	0.0	6.98	-0.11
		-0.11	-2.42	3.43e-03	4.15	325.5	-6.82	0.02	-0.81	0.0	-2.42	-0.04
390	9	-0.04	2.93	-3.53e-05	0.0	0.0	-9.30	0.02	-2.02	0.0	2.93	-0.10
		-0.10	-0.95	1.49e-03	1.66	325.5	-7.31	0.02	-0.36	0.0	-0.95	-0.04
390	10	-0.15	3.39	-1.05e-04	0.0	0.0	-7.58	0.04	-2.15	0.0	3.39	-0.28
		-0.28	-0.91	1.90e-03	1.66	325.5	-5.59	0.04	-0.49	0.0	-0.91	-0.15
390	11	-0.04	4.73	-3.77e-05	0.0	0.0	-9.08	0.02	-3.33	0.0	4.73	-0.11
		-0.11	-1.60	2.36e-03	2.77	325.5	-7.09	0.02	-0.56	0.0	-1.60	-0.04
390	12	-0.12	5.06	-8.67e-05	0.0	0.0	-7.87	0.04	-3.42	0.0	5.06	-0.24
		-0.24	-1.57	2.64e-03	2.77	325.5	-5.89	0.04	-0.65	0.0	-1.57	-0.12
390	13	-0.04	0.22	-3.16e-05	0.0	0.0	-9.63	0.01	-0.06	0.0	0.22	-0.08
		-0.08	0.02	1.93e-04	0.0	325.5	-7.65	0.01	-0.06	0.0	0.02	-0.04
390	14	-0.10	0.45	-6.66e-05	0.0	0.0	-8.77	0.02	-0.12	0.0	0.45	-0.18
		-0.18	0.04	3.96e-04	0.0	325.5	-6.79	0.02	-0.12	0.0	0.04	-0.10
390	15	-0.04	1.12	-3.28e-05	0.0	0.0	-9.52	0.01	-0.71	0.0	1.12	-0.09
		-0.09	-0.30	6.26e-04	0.55	325.5	-7.54	0.01	-0.16	0.0	-0.30	-0.04
390	16	-0.08	1.26	-5.38e-05	0.0	0.0	-9.00	0.02	-0.75	0.0	1.26	-0.14
		-0.14	-0.29	7.48e-04	0.55	325.5	-7.02	0.02	-0.20	0.0	-0.29	-0.08
390	17	-0.04	0.22	-3.16e-05	0.0	0.0	-9.63	0.01	-0.06	0.0	0.22	-0.08
		-0.08	0.02	1.93e-04	0.0	325.5	-7.65	0.01	-0.06	0.0	0.02	-0.04
390	18	-0.08	0.36	-5.26e-05	0.0	0.0	-9.11	0.02	-0.10	0.0	0.36	-0.14
		-0.14	0.04	3.15e-04	0.0	325.5	-7.13	0.02	-0.10	0.0	0.04	-0.08
390	20	-3.85	0.95	-4.81e-03	0.0	0.0	-6.66	2.18	0.12	0.0	0.10	-14.45
		-14.45	0.10	2.81e-04	0.0	325.5	-4.68	2.18	0.12	0.0	0.95	-3.85
390	21	14.17	0.61	4.71e-03	0.0	0.0	-11.56	-2.14	-0.32	0.0	0.61	14.17
		3.70	-0.88	3.50e-04	0.0	325.5	-9.58	-2.14	-0.32	0.0	-0.88	3.70
390	43	4.37	-0.87	1.50e-03	0.0	0.0	-11.71	2.61	1.84	0.0	-5.02	4.37
		1.52	-5.02	-3.86e-03	0.0	325.5	-9.72	2.61	1.84	0.0	-0.87	1.52
390	46	-1.67	5.74	-1.60e-03	0.0	0.0	-6.52	-2.57	-2.04	0.0	5.74	-4.65
		-4.65	0.94	4.49e-03	0.0	325.5	-4.53	-2.57	-2.04	0.0	0.94	-1.67
390	48	-3.47	5.06	-3.78e-03	0.0	0.0	-5.39	-1.11	-1.71	0.0	5.06	-11.13
		-11.13	1.37	4.07e-03	0.0	325.5	-3.41	-1.11	-1.71	0.0	1.37	-3.47
390	49	10.85	-1.30	3.67e-03	0.0	0.0	-12.83	1.15	1.51	0.0	-4.35	10.85
		3.32	-4.35	-3.44e-03	0.0	325.5	-10.85	1.15	1.51	0.0	-1.30	3.32
390	52	-2.85	0.72	-3.51e-03	0.0	0.0	-7.29	1.58	0.05	0.0	0.19	-10.53
		-10.53	0.19	3.08e-04	0.0	325.5	-5.30	1.58	0.05	0.0	0.72	-2.85
390	53	10.25	0.53	3.41e-03	0.0	0.0	-10.94	-1.54	-0.25	0.0	0.53	10.25
		2.70	-0.65	3.22e-04	0.0	325.5	-8.96	-1.54	-0.25	0.0	-0.65	2.70
390	75	3.18	-0.66	1.09e-03	0.0	0.0	-11.10	1.91	1.46	0.0	-4.01	3.18
		1.11	-4.01	-3.09e-03	0.0	325.5	-9.12	1.91	1.46	0.0	-0.66	1.11
390	78	-1.26	4.73	-1.20e-03	0.0	0.0	-7.12	-1.87	-1.66	0.0	4.73	-3.46
		-3.46	0.73	3.72e-03	0.0	325.5	-5.14	-1.87	-1.66	0.0	0.73	-1.26
390	80	-2.58	4.22	-2.78e-03	0.0	0.0	-6.29	-0.81	-1.42	0.0	4.22	-8.18
		-8.18	1.04	3.40e-03	0.0	325.5	-4.31	-0.81	-1.42	0.0	1.04	-2.58
390	81	7.90	-0.97	2.67e-03	0.0	0.0	-11.93	0.85	1.22	0.0	-3.50	7.90
		2.43	-3.50	-2.77e-03	0.0	325.5	-9.95	0.85	1.22	0.0	-0.97	2.43
390	84	-2.53	0.64	-3.11e-03	0.0	0.0	-7.49	1.40	0.04	0.0	0.21	-9.32
		-9.32	0.21	3.13e-04	0.0	325.5	-5.51	1.40	0.04	0.0	0.64	-2.53
390	85	9.04	0.50	3.00e-03	0.0	0.0	-10.73	-1.36	-0.23	0.0	0.50	9.04
		2.38	-0.57	3.17e-04	0.0	325.5	-8.75	-1.36	-0.23	0.0	-0.57	2.38

390	107	2.80	-0.58	9.60e-04	0.0	0.0	-10.88	1.69	1.29	0.0	-3.53	2.80
		0.97	-3.53	-2.71e-03	0.0	325.5	-8.90	1.69	1.29	0.0	-0.58	0.97
390	110	-1.13	4.25	-1.07e-03	0.0	0.0	-7.34	-1.65	-1.49	0.0	4.25	-3.08
		-3.08	0.65	3.34e-03	0.0	325.5	-5.36	-1.65	-1.49	0.0	0.65	-1.13
390	112	-2.30	3.80	-2.46e-03	0.0	0.0	-6.61	-0.71	-1.27	0.0	3.80	-7.25
		-7.25	0.93	3.06e-03	0.0	325.5	-4.63	-0.71	-1.27	0.0	0.93	-2.30
390	113	6.97	-0.86	2.36e-03	0.0	0.0	-11.62	0.75	1.07	0.0	-3.08	6.97
		2.14	-3.08	-2.43e-03	0.0	325.5	-9.63	0.75	1.07	0.0	-0.86	2.14
390	116	-4.63	1.14	-5.80e-03	0.0	0.0	-6.16	2.63	0.17	0.0	0.02	-17.40
		-17.40	0.02	2.52e-04	0.0	325.5	-4.17	2.63	0.17	0.0	1.14	-4.63
390	117	17.12	0.69	5.69e-03	0.0	0.0	-12.07	-2.59	-0.37	0.0	0.69	17.12
		4.48	-1.07	3.87e-04	0.0	325.5	-10.09	-2.59	-0.37	0.0	-1.07	4.48
390	143	5.98	-1.02	2.02e-03	0.0	0.0	-12.12	2.93	2.13	0.0	-5.75	5.98
		1.84	-5.75	-4.41e-03	0.0	325.5	-10.14	2.93	2.13	0.0	-1.02	1.84
390	144	-4.18	5.65	-4.55e-03	0.0	0.0	-4.67	-1.34	-1.92	0.0	5.65	-13.42
		-13.42	1.63	4.53e-03	0.0	325.5	-2.69	-1.34	-1.92	0.0	1.63	-4.18
390	145	13.14	-1.56	4.45e-03	0.0	0.0	-13.55	1.37	1.73	0.0	-4.94	13.14
		4.03	-4.94	-3.90e-03	0.0	325.5	-11.57	1.37	1.73	0.0	-1.56	4.03
390	146	-1.99	6.47	-2.12e-03	0.0	0.0	-6.10	-2.89	-2.33	0.0	6.47	-6.26
		-6.26	1.09	5.04e-03	0.0	325.5	-4.12	-2.89	-2.33	0.0	1.09	-1.99
392	2	-0.21	-0.26	-1.06e-04	0.0	0.0	-65.31	0.03	-0.26	-3.35e-05	-0.26	-0.25
		-0.25	-0.56	5.70e-05	0.0	114.5	-64.40	0.03	-0.26	-3.35e-05	-0.56	-0.21
392	3	-0.03	-0.10	-2.31e-05	0.0	0.0	-43.43	0.01	-0.11	3.50e-05	-0.10	-0.04
		-0.04	-0.23	6.17e-05	0.0	114.5	-42.73	0.01	-0.11	3.50e-05	-0.23	-0.03
392	6	-0.15	-0.26	-8.48e-05	0.0	0.0	-74.92	0.03	-0.28	1.84e-05	-0.26	-0.19
		-0.19	-0.57	1.00e-04	0.0	114.5	-74.01	0.03	-0.28	1.84e-05	-0.57	-0.15
392	7	-0.02	-0.14	-2.46e-05	0.0	0.0	-55.80	0.02	-0.17	6.82e-05	-0.14	-0.04
		-0.04	-0.34	1.04e-04	0.0	114.5	-55.10	0.02	-0.17	6.82e-05	-0.34	-0.02
392	9	-0.03	-0.08	-2.33e-05	0.0	0.0	-39.52	0.01	-0.08	1.74e-05	-0.08	-0.05
		-0.05	-0.17	4.09e-05	0.0	114.5	-38.82	0.01	-0.08	1.74e-05	-0.17	-0.03
392	10	-0.15	-0.18	-7.27e-05	0.0	0.0	-45.64	0.02	-0.18	-2.38e-05	-0.18	-0.17
		-0.17	-0.38	3.77e-05	0.0	114.5	-44.95	0.02	-0.18	-2.38e-05	-0.38	-0.15
392	11	-0.03	-0.11	-2.43e-05	0.0	0.0	-47.76	0.02	-0.12	3.96e-05	-0.11	-0.05
		-0.05	-0.24	6.92e-05	0.0	114.5	-47.07	0.02	-0.12	3.96e-05	-0.24	-0.03
392	12	-0.11	-0.18	-5.89e-05	0.0	0.0	-52.05	0.02	-0.19	1.07e-05	-0.18	-0.13
		-0.13	-0.39	6.65e-05	0.0	114.5	-51.35	0.02	-0.19	1.07e-05	-0.39	-0.11
392	13	-0.04	-0.04	-2.18e-05	0.0	0.0	-27.15	6.59e-03	-0.02	-1.59e-05	-0.04	-0.05
		-0.05	-0.06	-1.48e-06	0.0	114.5	-26.45	6.59e-03	-0.02	-1.59e-05	-0.06	-0.04
392	14	-0.10	-0.09	-4.65e-05	0.0	0.0	-30.21	0.01	-0.07	-3.65e-05	-0.09	-0.11
		-0.11	-0.17	-3.42e-06	0.0	114.5	-29.52	0.01	-0.07	-3.65e-05	-0.17	-0.10
392	15	-0.04	-0.05	-2.23e-05	0.0	0.0	-31.27	8.42e-03	-0.04	-4.76e-06	-0.05	-0.05
		-0.05	-0.10	1.27e-05	0.0	114.5	-30.58	8.42e-03	-0.04	-4.76e-06	-0.10	-0.04
392	16	-0.07	-0.08	-3.71e-05	0.0	0.0	-33.11	0.01	-0.07	-1.71e-05	-0.08	-0.09
		-0.09	-0.16	1.24e-05	0.0	114.5	-32.41	0.01	-0.07	-1.71e-05	-0.16	-0.07
392	17	-0.04	-0.04	-2.18e-05	0.0	0.0	-27.15	6.59e-03	-0.02	-1.59e-05	-0.04	-0.05
		-0.05	-0.06	-1.48e-06	0.0	114.5	-26.45	6.59e-03	-0.02	-1.59e-05	-0.06	-0.04
392	18	-0.08	-0.07	-3.67e-05	0.0	0.0	-28.99	9.37e-03	-0.05	-2.82e-05	-0.07	-0.09
		-0.09	-0.13	-2.65e-06	0.0	114.5	-28.29	9.37e-03	-0.05	-2.82e-05	-0.13	-0.08
392	28	0.67	0.68	-2.70e-03	0.0	0.0	127.32	1.68	-1.01	9.73e-03	0.25	-3.56
		-3.56	0.25	9.71e-04	0.0	114.5	128.02	1.68	-1.01	9.73e-03	0.68	0.67
392	29	3.38	-0.39	2.63e-03	0.0	0.0	-185.30	-1.66	0.91	-9.79e-03	-0.39	3.38
		-0.82	-0.93	-9.76e-04	0.0	114.5	-184.60	-1.66	0.91	-9.79e-03	-0.93	-0.82
392	47	1.77	1.78	1.05e-03	0.0	0.0	323.63	2.60	0.75	0.02	0.49	1.39
		1.39	0.49	-8.52e-04	0.0	114.5	324.32	2.60	0.75	0.02	1.78	1.77
392	50	-1.57	-0.63	-1.12e-03	0.0	0.0	-381.60	-2.58	-0.85	-0.02	-0.63	-1.57
		-1.92	-2.03	8.47e-04	0.0	114.5	-380.91	-2.58	-0.85	-0.02	-2.03	-1.92
392	60	0.54	0.46	-1.98e-03	0.0	0.0	83.98	1.22	-0.76	7.09e-03	0.16	-2.66
		-2.66	0.16	7.24e-04	0.0	114.5	84.68	1.22	-0.76	7.09e-03	0.46	0.54
392	61	2.49	-0.30	1.91e-03	0.0	0.0	-141.96	-1.20	0.66	-7.14e-03	-0.30	2.49
		-0.69	-0.71	-7.30e-04	0.0	114.5	-141.26	-1.20	0.66	-7.14e-03	-0.71	-0.69
392	79	1.35	1.29	7.61e-04	0.0	0.0	232.12	1.90	0.55	0.01	0.34	1.01
		1.01	0.34	-6.43e-04	0.0	114.5	232.82	1.90	0.55	0.01	1.29	1.35
392	82	-1.19	-0.48	-8.34e-04	0.0	0.0	-290.10	-1.88	-0.65	-0.01	-0.48	-1.19
		-1.50	-1.54	6.37e-04	0.0	114.5	-289.40	-1.88	-0.65	-0.01	-1.54	-1.50
392	92	0.48	0.39	-1.76e-03	0.0	0.0	70.78	1.08	-0.68	6.26e-03	0.14	-2.37
		-2.37	0.14	6.42e-04	0.0	114.5	71.48	1.08	-0.68	6.26e-03	0.39	0.48
392	93	2.20	-0.27	1.68e-03	0.0	0.0	-128.76	-1.06	0.58	-6.32e-03	-0.27	2.20
		-0.63	-0.64	-6.47e-04	0.0	114.5	-128.07	-1.06	0.58	-6.32e-03	-0.64	-0.63
392	111	1.19	1.13	6.69e-04	0.0	0.0	202.26	1.68	0.48	0.01	0.30	0.89
		0.89	0.30	-5.71e-04	0.0	114.5	202.96	1.68	0.48	0.01	1.13	1.19
392	114	-1.06	-0.43	-7.42e-04	0.0	0.0	-260.24	-1.66	-0.58	-0.01	-0.43	-1.06
		-1.34	-1.38	5.65e-04	0.0	114.5	-259.55	-1.66	-0.58	-0.01	-1.38	-1.34
392	124	0.80	0.85	-3.26e-03	0.0	0.0	160.49	2.03	-1.22	0.01	0.32	-4.28
		-4.28	0.32	1.17e-03	0.0	114.5	161.19	2.03	-1.22	0.01	0.85	0.80
392	125	4.10	-0.46	3.18e-03	0.0	0.0	-218.47	-2.01	1.11	-0.01	-0.46	4.10

		-0.95	-1.10	-1.18e-03	0.0	114.5	-217.77	-2.01	1.11	-0.01	-1.10	-0.95
392	143	2.12	2.18	1.27e-03	0.0	0.0	397.68	3.14	0.92	0.02	0.61	1.70
		1.70	0.61	-1.03e-03	0.0	114.5	398.38	3.14	0.92	0.02	2.18	2.12
392	146	-1.88	-0.74	-1.35e-03	0.0	0.0	-455.66	-3.12	-1.02	-0.02	-0.74	-1.88
		-2.27	-2.43	1.03e-03	0.0	114.5	-454.97	-3.12	-1.02	-0.02	-2.43	-2.27
393	1	0.02	1.60	-1.10e-04	0.0	0.0	-9.44	0.02	-0.53	0.0	-1.43	-0.06
		-0.06	-1.60	4.94e-04	2.75	360.0	-6.59	0.02	2.22	0.0	1.60	0.02
393	2	-6.64e-03	0.98	-3.87e-04	0.0	0.0	-6.86	0.06	-0.73	0.0	-1.36	-0.22
		-0.22	-1.71	1.09e-03	2.75	360.0	-4.01	0.06	2.03	0.0	0.98	-6.64e-03
393	4	-4.15e-03	1.06	-3.56e-04	0.0	0.0	-4.57	0.05	-0.70	0.0	-1.37	-0.20
		-0.20	-1.70	9.98e-04	2.75	360.0	-2.38	0.05	2.05	0.0	1.06	-4.15e-03
393	6	0.02	2.41	-3.06e-04	0.0	0.0	-7.30	0.05	-0.97	0.0	-2.36	-0.17
		-0.17	-2.72	1.03e-03	4.59	360.0	-4.45	0.05	3.62	0.0	2.41	0.02
393	7	0.04	2.92	-8.15e-05	0.0	0.0	-6.82	0.02	-0.81	0.0	-2.42	-0.04
		-0.04	-2.65	6.33e-04	4.59	360.0	-4.63	0.02	3.78	0.0	2.92	0.04
393	9	0.02	1.05	-8.17e-05	0.0	0.0	-7.31	0.02	-0.36	0.0	-0.95	-0.04
		-0.04	-1.07	3.45e-04	1.84	360.0	-5.12	0.02	1.47	0.0	1.05	0.02
393	10	-3.68e-03	0.63	-2.66e-04	0.0	0.0	-5.59	0.04	-0.49	0.0	-0.91	-0.15
		-0.15	-1.14	7.48e-04	1.84	360.0	-3.40	0.04	1.35	0.0	0.63	-3.68e-03
393	11	0.03	1.88	-8.32e-05	0.0	0.0	-7.09	0.02	-0.56	0.0	-1.60	-0.04
		-0.04	-1.77	4.68e-04	3.06	360.0	-4.90	0.02	2.50	0.0	1.88	0.03
393	12	0.01	1.59	-2.12e-04	0.0	0.0	-5.89	0.04	-0.65	0.0	-1.57	-0.12
		-0.12	-1.81	7.05e-04	3.06	360.0	-3.70	0.04	2.41	0.0	1.59	0.01
393	13	-3.50e-04	0.02	-7.96e-05	0.0	0.0	-7.65	0.01	-0.06	0.0	0.02	-0.04
		-0.04	-0.20	2.57e-04	0.0	360.0	-5.45	0.01	-0.06	0.0	-0.20	-3.50e-04
393	14	-0.01	0.04	-1.72e-04	0.0	0.0	-6.79	0.02	-0.12	0.0	0.04	-0.10
		-0.10	-0.40	5.27e-04	0.0	360.0	-4.59	0.02	-0.12	0.0	-0.40	-0.01
393	15	5.41e-03	0.22	-8.03e-05	0.0	0.0	-7.54	0.01	-0.16	0.0	-0.30	-0.04
		-0.04	-0.38	2.42e-04	0.61	360.0	-5.34	0.01	0.45	0.0	0.22	5.41e-03
393	16	-7.73e-04	0.09	-1.36e-04	0.0	0.0	-7.02	0.02	-0.20	0.0	-0.29	-0.08
		-0.08	-0.40	4.02e-04	0.61	360.0	-4.83	0.02	0.41	0.0	0.09	-7.73e-04
393	17	-3.50e-04	0.02	-7.96e-05	0.0	0.0	-7.65	0.01	-0.06	0.0	0.02	-0.04
		-0.04	-0.20	2.57e-04	0.0	360.0	-5.45	0.01	-0.06	0.0	-0.20	-3.50e-04
393	18	-6.53e-03	0.04	-1.35e-04	0.0	0.0	-7.13	0.02	-0.10	0.0	0.04	-0.08
		-0.08	-0.32	4.19e-04	0.0	360.0	-4.94	0.02	-0.10	0.0	-0.32	-6.53e-03
393	19	7.28	1.04	-5.64e-03	0.0	0.0	-6.01	2.97	0.16	0.0	0.46	-2.30
		-2.30	0.46	1.71e-03	0.0	360.0	-3.82	2.97	0.16	0.0	1.04	7.28
393	22	2.14	-0.39	5.37e-03	0.0	0.0	-8.25	-2.93	-0.36	0.0	-0.39	2.14
		-7.29	-1.68	-8.68e-04	0.0	360.0	-6.05	-2.93	-0.36	0.0	-1.68	-7.29
393	48	-2.44	5.79	-7.55e-03	0.0	0.0	-3.41	-0.98	1.28	0.0	1.37	-3.47
		-3.47	1.37	4.90e-03	0.0	360.0	-1.22	-0.98	1.28	0.0	5.79	-2.44
393	49	3.32	-1.30	7.28e-03	0.0	0.0	-10.85	1.02	-1.48	0.0	-1.30	3.32
		2.43	-6.43	-4.06e-03	0.0	360.0	-8.66	1.02	-1.48	0.0	-6.43	2.43
393	51	5.27	0.67	-4.13e-03	0.0	0.0	-6.31	2.16	0.09	0.0	0.34	-1.69
		-1.69	0.34	1.35e-03	0.0	360.0	-4.12	2.16	0.09	0.0	0.67	5.27
393	54	1.54	-0.27	3.86e-03	0.0	0.0	-7.95	-2.12	-0.29	0.0	-0.27	1.54
		-5.28	-1.32	-5.13e-04	0.0	360.0	-5.75	-2.12	-0.29	0.0	-1.32	-5.28
393	80	-1.81	4.47	-5.58e-03	0.0	0.0	-4.31	-0.72	0.99	0.0	1.04	-2.58
		-2.58	1.04	4.01e-03	0.0	360.0	-2.12	-0.72	0.99	0.0	4.47	-1.81
393	81	2.43	-0.97	5.31e-03	0.0	0.0	-9.95	0.76	-1.19	0.0	-0.97	2.43
		1.79	-5.11	-3.17e-03	0.0	360.0	-7.76	0.76	-1.19	0.0	-5.11	1.79
393	83	4.65	0.56	-3.66e-03	0.0	0.0	-6.41	1.91	0.07	0.0	0.31	-1.50
		-1.50	0.31	1.24e-03	0.0	360.0	-4.21	1.91	0.07	0.0	0.56	4.65
393	86	1.35	-0.24	3.39e-03	0.0	0.0	-7.85	-1.87	-0.26	0.0	-0.24	1.35
		-4.66	-1.20	-4.02e-04	0.0	360.0	-5.66	-1.87	-0.26	0.0	-1.20	-4.66
393	112	-1.60	3.94	-4.95e-03	0.0	0.0	-4.63	-0.63	0.87	0.0	0.93	-2.30
		-2.30	0.93	3.61e-03	0.0	360.0	-2.43	-0.63	0.87	0.0	3.94	-1.60
393	113	2.14	-0.86	4.68e-03	0.0	0.0	-9.63	0.67	-1.07	0.0	-0.86	2.14
		1.59	-4.58	-2.77e-03	0.0	360.0	-7.44	0.67	-1.07	0.0	-4.58	1.59
393	115	8.78	1.33	-6.78e-03	0.0	0.0	-5.78	3.58	0.21	0.0	0.54	-2.75
		-2.75	0.54	1.99e-03	0.0	360.0	-3.59	3.58	0.21	0.0	1.33	8.78
393	118	2.60	-0.47	6.51e-03	0.0	0.0	-8.48	-3.54	-0.41	0.0	-0.47	2.60
		-8.79	-1.97	-1.15e-03	0.0	360.0	-6.29	-3.54	-0.41	0.0	-1.97	-8.79
393	144	-2.92	6.81	-9.10e-03	0.0	0.0	-2.69	-1.19	1.50	0.0	1.63	-4.18
		-4.18	1.63	5.53e-03	0.0	360.0	-0.50	-1.19	1.50	0.0	6.81	-2.92
393	145	4.03	-1.56	8.83e-03	0.0	0.0	-11.57	1.23	-1.70	0.0	-1.56	4.03
		2.91	-7.45	-4.70e-03	0.0	360.0	-9.38	1.23	-1.70	0.0	-7.45	2.91
396	2	0.11	0.18	-8.37e-06	0.0	0.0	-43.19	0.79	-0.07	-2.99e-04	0.18	-0.52
		-0.52	0.13	1.23e-05	0.0	80.0	-42.56	0.79	-0.07	-2.99e-04	0.13	0.11
396	3	0.08	0.06	-5.26e-06	0.0	0.0	-28.15	0.52	-0.02	-5.28e-05	0.06	-0.34
		-0.34	0.05	4.35e-06	0.0	80.0	-27.66	0.52	-0.02	-5.28e-05	0.05	0.08
396	6	0.11	0.17	-8.61e-06	0.0	0.0	-43.62	0.81	-0.06	-2.44e-04	0.17	-0.54
		-0.54	0.12	1.19e-05	0.0	80.0	-42.98	0.81	-0.06	-2.44e-04	0.12	0.11
396	9	0.07	0.05	-5.46e-06	0.0	0.0	-30.31	0.52	-0.02	-5.15e-05	0.05	-0.34
		-0.34	0.04	3.53e-06	0.0	80.0	-29.83	0.52	-0.02	-5.15e-05	0.04	0.07

396	10	0.08	0.12	-5.96e-06	0.0	0.0	-31.04	0.57	-0.04	-2.02e-04	0.12	-0.38
		-0.38	0.09	8.41e-06	0.0	80.0	-30.55	0.57	-0.04	-2.02e-04	0.09	0.08
396	12	0.08	0.12	-6.12e-06	0.0	0.0	-31.32	0.59	-0.04	-1.65e-04	0.12	-0.39
		-0.39	0.08	8.13e-06	0.0	80.0	-30.84	0.59	-0.04	-1.65e-04	0.08	0.08
396	13	0.07	0.03	-4.99e-06	0.0	0.0	-29.56	0.48	-8.24e-03	-3.94e-05	0.03	-0.31
		-0.31	0.02	1.76e-06	0.0	80.0	-29.07	0.48	-8.24e-03	-3.94e-05	0.02	0.07
396	14	0.07	0.06	-5.24e-06	0.0	0.0	-29.93	0.50	-0.02	-1.14e-04	0.06	-0.33
		-0.33	0.04	4.20e-06	0.0	80.0	-29.44	0.50	-0.02	-1.14e-04	0.04	0.07
396	16	0.07	0.06	-5.30e-06	0.0	0.0	-30.03	0.51	-0.02	-8.85e-05	0.06	-0.33
		-0.33	0.04	3.82e-06	0.0	80.0	-29.54	0.51	-0.02	-8.85e-05	0.04	0.07
396	17	0.07	0.03	-4.99e-06	0.0	0.0	-29.56	0.48	-8.24e-03	-3.94e-05	0.03	-0.31
		-0.31	0.02	1.76e-06	0.0	80.0	-29.07	0.48	-8.24e-03	-3.94e-05	0.02	0.07
396	18	0.07	0.05	-5.14e-06	0.0	0.0	-29.78	0.49	-0.02	-8.45e-05	0.05	-0.32
		-0.32	0.03	3.23e-06	0.0	80.0	-29.29	0.49	-0.02	-8.45e-05	0.03	0.07
396	24	-0.54	2.76	-6.60e-05	0.0	0.0	-117.64	3.85	-1.08	3.87e-03	2.76	-3.44
		-3.44	1.90	1.88e-04	0.0	80.0	-117.15	3.85	-1.08	3.87e-03	1.90	-0.54
396	25	2.79	-1.83	5.57e-05	0.0	0.0	58.08	-2.86	1.05	-4.04e-03	-2.67	2.79
		0.69	-2.67	-1.82e-04	0.0	80.0	58.56	-2.86	1.05	-4.04e-03	-1.83	0.69
396	40	0.61	3.71	-4.55e-05	0.0	0.0	-89.94	3.33	-1.45	-4.83e-03	3.71	-2.49
		-2.49	2.55	2.53e-04	0.0	80.0	-89.46	3.33	-1.45	-4.83e-03	2.55	0.61
396	41	1.84	-2.48	3.52e-05	0.0	0.0	30.38	-2.35	1.42	4.66e-03	-3.62	1.84
		-0.47	-3.62	-2.46e-04	0.0	80.0	30.87	-2.35	1.42	4.66e-03	-2.48	-0.47
396	56	-0.39	2.09	-5.14e-05	0.0	0.0	-96.24	3.06	-0.82	2.83e-03	2.09	-2.70
		-2.70	1.44	1.43e-04	0.0	80.0	-95.75	3.06	-0.82	2.83e-03	1.44	-0.39
396	57	2.05	-1.37	4.11e-05	0.0	0.0	36.68	-2.07	0.79	-3.00e-03	-2.00	2.05
		0.53	-2.00	-1.36e-04	0.0	80.0	37.17	-2.07	0.79	-3.00e-03	-1.37	0.53
396	72	0.47	2.82	-3.56e-05	0.0	0.0	-75.15	2.66	-1.10	-3.64e-03	2.82	-1.96
		-1.96	1.94	1.92e-04	0.0	80.0	-74.66	2.66	-1.10	-3.64e-03	1.94	0.47
396	73	1.32	-1.87	2.53e-05	0.0	0.0	15.59	-1.67	1.07	3.47e-03	-2.72	1.32
		-0.33	-2.72	-1.86e-04	0.0	80.0	16.08	-1.67	1.07	3.47e-03	-1.87	-0.33
396	88	-0.33	1.86	-4.62e-05	0.0	0.0	-88.77	2.78	-0.73	2.50e-03	1.86	-2.43
		-2.43	1.28	1.27e-04	0.0	80.0	-88.28	2.78	-0.73	2.50e-03	1.28	-0.33
396	89	1.78	-1.21	3.59e-05	0.0	0.0	29.21	-1.79	0.70	-2.67e-03	-1.77	1.78
		0.48	-1.77	-1.20e-04	0.0	80.0	29.69	-1.79	0.70	-2.67e-03	-1.21	0.48
396	104	0.43	2.51	-3.22e-05	0.0	0.0	-70.05	2.42	-0.98	-3.24e-03	2.51	-1.78
		-1.78	1.72	1.71e-04	0.0	80.0	-69.56	2.42	-0.98	-3.24e-03	1.72	0.43
396	105	1.13	-1.66	2.19e-05	0.0	0.0	10.49	-1.43	0.95	3.07e-03	-2.41	1.13
		-0.28	-2.41	-1.64e-04	0.0	80.0	10.98	-1.43	0.95	3.07e-03	-1.66	-0.28
396	120	-0.66	3.32	-7.75e-05	0.0	0.0	-134.41	4.50	-1.30	4.64e-03	3.32	-4.03
		-4.03	2.28	2.26e-04	0.0	80.0	-133.92	4.50	-1.30	4.64e-03	2.28	-0.66
396	121	3.39	-2.21	6.72e-05	0.0	0.0	74.85	-3.51	1.27	-4.81e-03	-3.22	3.39
		0.81	-3.22	-2.20e-04	0.0	80.0	75.33	-3.51	1.27	-4.81e-03	-2.21	0.81
396	136	0.72	4.46	-5.32e-05	0.0	0.0	-101.45	3.91	-1.75	-5.83e-03	4.46	-2.91
		-2.91	3.06	3.04e-04	0.0	80.0	-100.97	3.91	-1.75	-5.83e-03	3.06	0.72
396	137	2.26	-3.00	4.29e-05	0.0	0.0	41.89	-2.92	1.71	5.66e-03	-4.37	2.26
		-0.58	-4.37	-2.97e-04	0.0	80.0	42.38	-2.92	1.71	5.66e-03	-3.00	-0.58
397	2	-8.27e-03	0.42	-5.08e-05	0.0	0.0	-28.13	0.17	-0.22	-6.26e-04	0.42	-0.22
		-0.22	0.15	9.14e-05	0.0	120.0	-27.18	0.17	-0.22	-6.26e-04	0.15	-8.27e-03
397	3	-2.92e-04	0.16	-3.00e-05	0.0	0.0	-18.47	0.12	-0.09	-1.60e-04	0.16	-0.14
		-0.14	0.06	3.77e-05	0.0	120.0	-17.74	0.12	-0.09	-1.60e-04	0.06	-2.92e-04
397	6	-7.72e-03	0.41	-5.14e-05	0.0	0.0	-28.36	0.18	-0.22	-5.29e-04	0.41	-0.22
		-0.22	0.15	9.06e-05	0.0	120.0	-27.41	0.18	-0.22	-5.29e-04	0.15	-7.72e-03
397	8	4.82e-03	0.38	-3.05e-05	0.0	0.0	-19.23	0.13	-0.21	-4.41e-04	0.38	-0.15
		-0.15	0.14	8.55e-05	0.0	120.0	-18.50	0.13	-0.21	-4.41e-04	0.14	4.82e-03
397	9	-6.29e-03	0.13	-3.50e-05	0.0	0.0	-19.91	0.12	-0.07	-1.73e-04	0.13	-0.15
		-0.15	0.05	3.08e-05	0.0	120.0	-19.18	0.12	-0.07	-1.73e-04	0.05	-6.29e-03
397	10	-3.25e-03	0.29	-3.50e-05	0.0	0.0	-20.26	0.13	-0.15	-4.24e-04	0.29	-0.16
		-0.16	0.10	6.32e-05	0.0	120.0	-19.53	0.13	-0.15	-4.24e-04	0.10	-3.25e-03
397	12	-2.88e-03	0.28	-3.53e-05	0.0	0.0	-20.42	0.13	-0.15	-3.60e-04	0.28	-0.16
		-0.16	0.10	6.27e-05	0.0	120.0	-19.69	0.13	-0.15	-3.60e-04	0.10	-2.88e-03
397	13	-8.20e-03	0.08	-3.44e-05	0.0	0.0	-19.51	0.12	-0.04	-1.56e-04	0.08	-0.15
		-0.15	0.03	1.71e-05	0.0	120.0	-18.78	0.12	-0.04	-1.56e-04	0.03	-8.20e-03
397	14	-6.68e-03	0.15	-3.44e-05	0.0	0.0	-19.69	0.12	-0.08	-2.82e-04	0.15	-0.15
		-0.15	0.06	3.33e-05	0.0	120.0	-18.96	0.12	-0.08	-2.82e-04	0.06	-6.68e-03
397	16	-6.65e-03	0.14	-3.46e-05	0.0	0.0	-19.75	0.12	-0.07	-2.37e-04	0.14	-0.15
		-0.15	0.05	3.14e-05	0.0	120.0	-19.02	0.12	-0.07	-2.37e-04	0.05	-6.65e-03
397	17	-8.20e-03	0.08	-3.44e-05	0.0	0.0	-19.51	0.12	-0.04	-1.56e-04	0.08	-0.15
		-0.15	0.03	1.71e-05	0.0	120.0	-18.78	0.12	-0.04	-1.56e-04	0.03	-8.20e-03
397	18	-7.29e-03	0.12	-3.44e-05	0.0	0.0	-19.62	0.12	-0.06	-2.31e-04	0.12	-0.15
		-0.15	0.05	2.68e-05	0.0	120.0	-18.88	0.12	-0.06	-2.31e-04	0.05	-7.29e-03
397	22	0.46	-0.57	3.73e-04	0.0	0.0	12.92	1.80e-03	1.00	-0.01	-1.76	0.22
		0.22	-1.76	-3.88e-04	0.0	120.0	13.65	1.80e-03	1.00	-0.01	-0.57	0.46
397	24	-0.30	5.10	-3.26e-04	0.0	0.0	-65.85	0.39	-2.86	5.02e-03	5.10	-0.67
		-0.67	1.68	1.12e-03	0.0	120.0	-65.11	0.39	-2.86	5.02e-03	1.68	-0.30
397	25	0.37	-1.58	2.57e-04	0.0	0.0	26.61	-0.15	2.73	-5.48e-03	-4.86	0.37

		0.28	-4.86	-1.07e-03	0.0	120.0	27.35	-0.15	2.73	-5.48e-03	-1.58	0.28
397	40	0.21	6.82	8.60e-05	0.0	0.0	-51.81	0.44	-3.82	-0.01	6.82	-0.51
		-0.51	2.24	1.50e-03	0.0	120.0	-51.08	0.44	-3.82	-0.01	2.24	0.21
397	41	0.21	-2.15	-1.55e-04	0.0	0.0	12.58	-0.20	3.70	0.01	-6.58	0.21
		-0.23	-6.58	-1.45e-03	0.0	120.0	13.31	-0.20	3.70	0.01	-2.15	-0.23
397	54	0.34	-0.41	2.70e-04	0.0	0.0	4.90	0.03	0.74	-7.76e-03	-1.29	0.13
		0.13	-1.29	-2.85e-04	0.0	120.0	5.64	0.03	0.74	-7.76e-03	-0.41	0.34
397	56	-0.22	3.87	-2.53e-04	0.0	0.0	-54.41	0.33	-2.17	3.61e-03	3.87	-0.54
		-0.54	1.28	8.55e-04	0.0	120.0	-53.68	0.33	-2.17	3.61e-03	1.28	-0.22
397	57	0.24	-1.18	1.84e-04	0.0	0.0	15.18	-0.09	2.04	-4.08e-03	-3.63	0.24
		0.21	-3.63	-8.01e-04	0.0	120.0	15.91	-0.09	2.04	-4.08e-03	-1.18	0.21
397	72	0.16	5.18	5.19e-05	0.0	0.0	-43.84	0.36	-2.90	-8.76e-03	5.18	-0.42
		-0.42	1.70	1.14e-03	0.0	120.0	-43.11	0.36	-2.90	-8.76e-03	1.70	0.16
397	73	0.12	-1.61	-1.21e-04	0.0	0.0	4.60	-0.12	2.78	8.30e-03	-4.94	0.12
		-0.17	-4.94	-1.09e-03	0.0	120.0	5.34	-0.12	2.78	8.30e-03	-1.61	-0.17
397	86	0.30	-0.36	2.35e-04	0.0	0.0	2.14	0.04	0.65	-6.91e-03	-1.13	0.10
		0.10	-1.13	-2.50e-04	0.0	120.0	2.87	0.04	0.65	-6.91e-03	-0.36	0.30
397	88	-0.20	3.45	-2.28e-04	0.0	0.0	-50.48	0.30	-1.93	3.17e-03	3.45	-0.49
		-0.49	1.14	7.62e-04	0.0	120.0	-49.75	0.30	-1.93	3.17e-03	1.14	-0.20
397	89	0.19	-1.05	1.59e-04	0.0	0.0	11.25	-0.06	1.81	-3.63e-03	-3.21	0.19
		0.18	-3.21	-7.08e-04	0.0	120.0	11.98	-0.06	1.81	-3.63e-03	-1.05	0.18
397	104	0.14	4.62	4.18e-05	0.0	0.0	-41.11	0.33	-2.59	-7.80e-03	4.62	-0.39
		-0.39	1.52	1.02e-03	0.0	120.0	-40.38	0.33	-2.59	-7.80e-03	1.52	0.14
397	105	0.09	-1.43	-1.11e-04	0.0	0.0	1.88	-0.10	2.46	7.34e-03	-4.38	0.09
		-0.15	-4.38	-9.62e-04	0.0	120.0	2.61	-0.10	2.46	7.34e-03	-1.43	-0.15
397	118	0.55	-0.69	4.51e-04	0.0	0.0	19.13	-0.02	1.22	-0.01	-2.15	0.29
		0.29	-2.15	-4.73e-04	0.0	120.0	19.86	-0.02	1.22	-0.01	-0.69	0.55
397	120	-0.35	6.12	-3.81e-04	0.0	0.0	-74.73	0.45	-3.43	6.05e-03	6.12	-0.77
		-0.77	2.01	1.35e-03	0.0	120.0	-74.00	0.45	-3.43	6.05e-03	2.01	-0.35
397	121	0.47	-1.92	3.12e-04	0.0	0.0	35.50	-0.21	3.30	-6.52e-03	-5.88	0.47
		0.34	-5.88	-1.30e-03	0.0	120.0	36.23	-0.21	3.30	-6.52e-03	-1.92	0.34
397	136	0.26	8.20	1.11e-04	0.0	0.0	-57.97	0.50	-4.59	-0.01	8.20	-0.58
		-0.58	2.69	1.80e-03	0.0	120.0	-57.24	0.50	-4.59	-0.01	2.69	0.26
397	137	0.27	-2.60	-1.80e-04	0.0	0.0	18.74	-0.26	4.47	0.01	-7.95	0.27
		-0.27	-7.95	-1.75e-03	0.0	120.0	19.47	-0.26	4.47	0.01	-2.60	-0.27
398	1	0.06	0.76	1.05e-04	0.0	0.0	-23.33	-0.03	-1.44	4.16e-04	0.76	0.06
		0.03	-0.89	1.47e-04	0.0	114.5	-22.42	-0.03	-1.44	4.16e-04	-0.89	0.03
398	2	0.09	3.08	1.59e-04	0.0	0.0	-23.93	-0.02	-5.68	6.50e-04	3.08	0.09
		0.07	-3.42	5.74e-04	0.0	114.5	-23.02	-0.02	-5.68	6.50e-04	-3.42	0.07
398	6	0.12	2.39	1.96e-04	0.0	0.0	-23.59	-0.03	-4.39	8.72e-04	2.39	0.12
		0.08	-2.63	4.51e-04	0.0	114.5	-22.68	-0.03	-4.39	8.72e-04	-2.63	0.08
398	7	0.10	0.59	1.51e-04	0.0	0.0	-16.17	-0.04	-1.04	7.05e-04	0.59	0.10
		0.05	-0.60	1.18e-04	0.0	114.5	-15.48	-0.04	-1.04	7.05e-04	-0.60	0.05
398	9	0.04	0.58	7.16e-05	0.0	0.0	-17.29	-0.02	-1.09	2.72e-04	0.58	0.04
		0.02	-0.67	1.11e-04	0.0	114.5	-16.60	-0.02	-1.09	2.72e-04	-0.67	0.02
398	10	0.06	2.13	1.07e-04	0.0	0.0	-17.69	-0.01	-3.93	4.28e-04	2.13	0.06
		0.05	-2.36	3.96e-04	0.0	114.5	-17.00	-0.01	-3.93	4.28e-04	-2.36	0.05
398	11	0.07	0.59	1.07e-04	0.0	0.0	-17.19	-0.03	-1.08	4.66e-04	0.59	0.07
		0.04	-0.65	1.15e-04	0.0	114.5	-16.49	-0.03	-1.08	4.66e-04	-0.65	0.04
398	12	0.08	1.67	1.32e-04	0.0	0.0	-17.47	-0.02	-3.06	5.75e-04	1.67	0.08
		0.06	-1.83	3.14e-04	0.0	114.5	-16.77	-0.02	-3.06	5.75e-04	-1.83	0.06
398	13	5.13e-03	0.58	1.79e-05	0.0	0.0	-17.45	-3.12e-03	-1.12	-1.98e-05	0.58	5.13e-03
		1.56e-03	-0.70	1.06e-04	0.0	114.5	-16.76	-3.12e-03	-1.12	-1.98e-05	-0.70	1.56e-03
398	14	0.02	1.35	3.59e-05	0.0	0.0	-17.65	-5.16e-04	-2.53	5.81e-05	1.35	0.02
		0.02	-1.55	2.49e-04	0.0	114.5	-16.96	-5.16e-04	-2.53	5.81e-05	-1.55	0.02
398	15	0.02	0.58	3.58e-05	0.0	0.0	-17.40	-7.73e-03	-1.11	7.74e-05	0.58	0.02
		8.42e-03	-0.69	1.08e-04	0.0	114.5	-16.70	-7.73e-03	-1.11	7.74e-05	-0.69	8.42e-03
398	16	0.02	1.04	4.66e-05	0.0	0.0	-17.52	-6.17e-03	-1.96	1.24e-04	1.04	0.02
		0.02	-1.20	1.93e-04	0.0	114.5	-16.82	-6.17e-03	-1.96	1.24e-04	-1.20	0.02
398	17	5.13e-03	0.58	1.79e-05	0.0	0.0	-17.45	-3.12e-03	-1.12	-1.98e-05	0.58	5.13e-03
		1.56e-03	-0.70	1.06e-04	0.0	114.5	-16.76	-3.12e-03	-1.12	-1.98e-05	-0.70	1.56e-03
398	18	0.01	1.04	2.87e-05	0.0	0.0	-17.57	-1.56e-03	-1.97	2.69e-05	1.04	0.01
		0.01	-1.21	1.92e-04	0.0	114.5	-16.88	-1.56e-03	-1.97	2.69e-05	-1.21	0.01
398	19	24.12	-1.25	-2.70e-04	0.0	0.0	-30.24	2.85	-0.98	3.13e-03	-1.25	24.12
		17.83	-3.59	7.13e-04	0.0	114.5	-29.54	2.85	-0.98	3.13e-03	-3.59	17.83
398	22	-17.81	3.33	2.99e-04	0.0	0.0	-4.91	-2.85	-2.95	-3.08e-03	3.33	-24.10
		-24.10	1.17	-3.30e-04	0.0	114.5	-4.21	-2.85	-2.95	-3.08e-03	1.17	-17.81
398	28	10.01	-4.00	6.95e-04	0.0	0.0	-42.14	4.86	-0.87	-3.20e-03	-4.00	10.01
		7.62	-5.47	1.31e-03	0.0	114.5	-41.44	4.86	-0.87	-3.20e-03	-5.47	7.62
398	29	-7.60	6.08	-6.37e-04	0.0	0.0	6.99	-4.86	-3.06	3.25e-03	6.08	-9.99
		-9.99	3.05	-9.30e-04	0.0	114.5	7.69	-4.86	-3.06	3.25e-03	3.05	-7.60
398	51	17.69	-0.63	-2.00e-04	0.0	0.0	-26.79	2.12	-1.18	2.39e-03	-0.63	17.69
		13.05	-2.95	5.74e-04	0.0	114.5	-26.09	2.12	-1.18	2.39e-03	-2.95	13.05
398	54	-13.03	2.71	2.29e-04	0.0	0.0	-8.36	-2.12	-2.75	-2.34e-03	2.71	-17.66
		-17.66	0.53	-1.91e-04	0.0	114.5	-7.66	-2.12	-2.75	-2.34e-03	0.53	-13.03

398	60	7.40	-2.67	5.28e-04	0.0	0.0	-35.63	3.59	-1.10	-2.42e-03	-2.67	7.40
		5.61	-4.35	1.03e-03	0.0	114.5	-34.93	3.59	-1.10	-2.42e-03	-4.35	5.61
398	61	-5.59	4.75	-4.70e-04	0.0	0.0	0.48	-3.59	-2.83	2.47e-03	4.75	-7.38
		-7.38	1.93	-6.42e-04	0.0	114.5	1.18	-3.59	-2.83	2.47e-03	1.93	-5.59
398	83	15.64	-0.44	-1.76e-04	0.0	0.0	-25.72	1.88	-1.27	2.13e-03	-0.44	15.64
		11.54	-2.74	5.30e-04	0.0	114.5	-25.02	1.88	-1.27	2.13e-03	-2.74	11.54
398	86	-11.52	2.52	2.05e-04	0.0	0.0	-9.43	-1.88	-2.66	-2.08e-03	2.52	-15.62
		-15.62	0.32	-1.48e-04	0.0	114.5	-8.74	-1.88	-2.66	-2.08e-03	0.32	-11.52
398	92	6.56	-2.24	4.71e-04	0.0	0.0	-33.55	3.18	-1.20	-2.14e-03	-2.24	6.56
		4.97	-3.99	9.30e-04	0.0	114.5	-32.85	3.18	-1.20	-2.14e-03	-3.99	4.97
398	93	-4.95	4.33	-4.14e-04	0.0	0.0	-1.60	-3.18	-2.74	2.20e-03	4.33	-6.53
		-6.53	1.57	-5.47e-04	0.0	114.5	-0.90	-3.18	-2.74	2.20e-03	1.57	-4.95
398	115	28.82	-1.71	-3.13e-04	0.0	0.0	-32.84	3.35	-0.81	3.68e-03	-1.71	28.82
		21.33	-4.07	8.20e-04	0.0	114.5	-32.14	3.35	-0.81	3.68e-03	-4.07	21.33
398	118	-21.31	3.80	3.42e-04	0.0	0.0	-2.31	-3.36	-3.12	-3.63e-03	3.80	-28.80
		-28.80	1.65	-4.37e-04	0.0	114.5	-1.62	-3.36	-3.12	-3.63e-03	1.65	-21.31
398	124	11.89	-5.05	8.58e-04	0.0	0.0	-47.30	5.79	-0.69	-3.80e-03	-5.05	11.89
		9.08	-6.35	1.55e-03	0.0	114.5	-46.60	5.79	-0.69	-3.80e-03	-6.35	9.08
398	125	-9.06	7.13	-8.01e-04	0.0	0.0	12.15	-5.80	-3.25	3.85e-03	7.13	-11.87
		-11.87	3.93	-1.17e-03	0.0	114.5	12.85	-5.80	-3.25	3.85e-03	3.93	-9.06
399	2	0.30	-0.14	1.37e-04	0.0	0.0	-55.87	-0.06	-0.16	3.72e-04	-0.14	0.30
		0.23	-0.33	4.53e-05	0.0	114.5	-54.96	-0.06	-0.16	3.72e-04	-0.33	0.23
399	3	0.17	-0.02	8.67e-05	0.0	0.0	-22.25	-0.05	-0.02	3.98e-04	-0.02	0.17
		0.11	-0.04	1.18e-05	0.0	114.5	-21.55	-0.05	-0.02	3.98e-04	-0.04	0.11
399	6	0.35	-0.10	1.73e-04	0.0	0.0	-46.13	-0.09	-0.12	6.58e-04	-0.10	0.35
		0.25	-0.23	3.93e-05	0.0	114.5	-45.22	-0.09	-0.12	6.58e-04	-0.23	0.25
399	7	0.26	-6.96e-03	1.36e-04	0.0	0.0	-18.47	-0.09	-0.02	6.80e-04	-6.96e-03	0.26
		0.16	-0.03	1.49e-05	0.0	114.5	-17.77	-0.09	-0.02	6.80e-04	-0.03	0.16
399	9	0.12	-0.02	6.31e-05	0.0	0.0	-26.48	-0.04	-0.02	2.55e-04	-0.02	0.12
		0.08	-0.05	1.08e-05	0.0	114.5	-25.79	-0.04	-0.02	2.55e-04	-0.05	0.08
399	10	0.20	-0.10	9.29e-05	0.0	0.0	-39.72	-0.04	-0.11	2.47e-04	-0.10	0.20
		0.16	-0.22	3.09e-05	0.0	114.5	-39.02	-0.04	-0.11	2.47e-04	-0.22	0.16
399	11	0.18	-0.02	9.57e-05	0.0	0.0	-23.96	-0.06	-0.02	4.42e-04	-0.02	0.18
		0.12	-0.04	1.28e-05	0.0	114.5	-23.27	-0.06	-0.02	4.42e-04	-0.04	0.12
399	12	0.24	-0.07	1.17e-04	0.0	0.0	-33.23	-0.06	-0.08	4.37e-04	-0.07	0.24
		0.17	-0.16	2.69e-05	0.0	114.5	-32.53	-0.06	-0.08	4.37e-04	-0.16	0.17
399	13	0.03	-0.03	1.42e-05	0.0	0.0	-30.27	-3.99e-03	-0.02	-2.66e-05	-0.03	0.03
		0.03	-0.06	7.67e-06	0.0	114.5	-29.57	-3.99e-03	-0.02	-2.66e-05	-0.06	0.03
399	14	0.07	-0.07	2.91e-05	0.0	0.0	-36.88	-4.72e-03	-0.07	-3.07e-05	-0.07	0.07
		0.07	-0.15	1.78e-05	0.0	114.5	-36.19	-4.72e-03	-0.07	-3.07e-05	-0.15	0.07
399	15	0.06	-0.03	3.05e-05	0.0	0.0	-29.01	-0.01	-0.02	6.72e-05	-0.03	0.06
		0.05	-0.06	8.70e-06	0.0	114.5	-28.31	-0.01	-0.02	6.72e-05	-0.06	0.05
399	16	0.09	-0.05	3.94e-05	0.0	0.0	-32.98	-0.02	-0.05	6.48e-05	-0.05	0.09
		0.07	-0.11	1.47e-05	0.0	114.5	-32.28	-0.02	-0.05	6.48e-05	-0.11	0.07
399	17	0.03	-0.03	1.42e-05	0.0	0.0	-30.27	-3.99e-03	-0.02	-2.66e-05	-0.03	0.03
		0.03	-0.06	7.67e-06	0.0	114.5	-29.57	-3.99e-03	-0.02	-2.66e-05	-0.06	0.03
399	18	0.06	-0.06	2.31e-05	0.0	0.0	-34.24	-4.43e-03	-0.05	-2.90e-05	-0.06	0.06
		0.05	-0.11	1.37e-05	0.0	114.5	-33.54	-4.43e-03	-0.05	-2.90e-05	-0.11	0.05
399	19	4.37	-0.39	-3.35e-03	0.0	0.0	-326.11	4.96	-0.51	0.04	-0.39	1.42
		1.42	-0.81	5.58e-04	0.0	114.5	-325.42	4.96	-0.51	0.04	-0.81	4.37
399	22	-1.30	0.58	3.39e-03	0.0	0.0	257.64	-4.96	0.41	-0.04	0.27	-1.30
		-4.27	0.27	-5.31e-04	0.0	114.5	258.34	-4.96	0.41	-0.04	0.58	-4.27
399	27	3.43	-0.44	-3.10e-03	0.0	0.0	-371.68	4.33	-0.63	0.04	-0.44	1.41
		1.41	-1.00	7.03e-04	0.0	114.5	-370.98	4.33	-0.63	0.04	-1.00	3.43
399	28	3.11	-0.31	-1.46e-03	0.0	0.0	-252.97	2.13	-1.00	0.02	-0.31	3.11
		1.82	-1.48	1.20e-03	0.0	114.5	-252.27	2.13	-1.00	0.02	-1.48	1.82
399	29	-1.71	1.26	1.51e-03	0.0	0.0	184.50	-2.14	0.90	-0.02	0.19	-2.99
		-2.99	0.19	-1.17e-03	0.0	114.5	185.19	-2.14	0.90	-0.02	1.26	-1.71
399	30	-1.29	0.77	3.15e-03	0.0	0.0	303.21	-4.34	0.53	-0.04	0.32	-1.29
		-3.33	0.32	-6.75e-04	0.0	114.5	303.91	-4.34	0.53	-0.04	0.77	-3.33
399	51	3.25	-0.30	-2.44e-03	0.0	0.0	-247.09	3.62	-0.38	0.03	-0.30	1.06
		1.06	-0.62	4.12e-04	0.0	114.5	-246.39	3.62	-0.38	0.03	-0.62	3.25
399	54	-0.95	0.39	2.49e-03	0.0	0.0	178.62	-3.63	0.28	-0.03	0.19	-0.95
		-3.14	0.19	-3.85e-04	0.0	114.5	179.32	-3.63	0.28	-0.03	0.39	-3.14
399	59	2.56	-0.33	-2.27e-03	0.0	0.0	-280.40	3.16	-0.47	0.03	-0.33	1.05
		1.05	-0.76	5.19e-04	0.0	114.5	-279.71	3.16	-0.47	0.03	-0.76	2.56
399	60	2.33	-0.24	-1.06e-03	0.0	0.0	-193.05	1.56	-0.75	0.01	-0.24	2.33
		1.37	-1.12	8.88e-04	0.0	114.5	-192.35	1.56	-0.75	0.01	-1.12	1.37
399	61	-1.27	0.89	1.10e-03	0.0	0.0	124.58	-1.57	0.65	-0.01	0.13	-2.21
		-2.21	0.13	-8.61e-04	0.0	114.5	125.27	-1.57	0.65	-0.01	0.89	-1.27
399	62	-0.93	0.53	2.31e-03	0.0	0.0	211.93	-3.17	0.37	-0.03	0.22	-0.93
		-2.45	0.22	-4.91e-04	0.0	114.5	212.63	-3.17	0.37	-0.03	0.53	-2.45
399	83	2.88	-0.27	-2.16e-03	0.0	0.0	-222.32	3.20	-0.34	0.03	-0.27	0.95
		0.95	-0.56	3.66e-04	0.0	114.5	-221.62	3.20	-0.34	0.03	-0.56	2.88
399	86	-0.83	0.33	2.20e-03	0.0	0.0	153.85	-3.21	0.24	-0.03	0.16	-0.83

		-2.78	0.16	-3.39e-04	0.0	114.5	154.54	-3.21	0.24	-0.03	0.33	-2.78
399	91	2.27	-0.30	-2.00e-03	0.0	0.0	-251.87	2.80	-0.42	0.02	-0.30	0.93
		0.93	-0.69	4.60e-04	0.0	114.5	-251.18	2.80	-0.42	0.02	-0.69	2.27
399	92	2.07	-0.22	-9.33e-04	0.0	0.0	-174.58	1.38	-0.67	0.01	-0.22	2.07
		1.22	-1.00	7.88e-04	0.0	114.5	-173.88	1.38	-0.67	0.01	-1.00	1.22
399	93	-1.12	0.77	9.79e-04	0.0	0.0	106.10	-1.39	0.57	-0.01	0.11	-1.95
		-1.95	0.11	-7.61e-04	0.0	114.5	106.80	-1.39	0.57	-0.01	0.77	-1.12
399	94	-0.82	0.46	2.05e-03	0.0	0.0	183.40	-2.80	0.32	-0.02	0.19	-0.82
		-2.17	0.19	-4.33e-04	0.0	114.5	184.10	-2.80	0.32	-0.02	0.46	-2.17
399	115	5.18	-0.45	-4.03e-03	0.0	0.0	-386.11	5.94	-0.60	0.05	-0.45	1.70
		1.70	-0.95	6.70e-04	0.0	114.5	-385.42	5.94	-0.60	0.05	-0.95	5.18
399	118	-1.58	0.72	4.08e-03	0.0	0.0	317.64	-5.95	0.50	-0.05	0.34	-1.58
		-5.08	0.34	-6.43e-04	0.0	114.5	318.34	-5.95	0.50	-0.05	0.72	-5.08
399	123	4.07	-0.51	-3.75e-03	0.0	0.0	-442.62	5.21	-0.75	0.04	-0.51	1.69
		1.69	-1.19	8.48e-04	0.0	114.5	-441.93	5.21	-0.75	0.04	-1.19	4.07
399	124	3.75	-0.36	-1.76e-03	0.0	0.0	-299.29	2.56	-1.20	0.02	-0.36	3.75
		2.14	-1.77	1.44e-03	0.0	114.5	-298.59	2.56	-1.20	0.02	-1.77	2.14
399	125	-2.03	1.54	1.81e-03	0.0	0.0	230.82	-2.57	1.10	-0.02	0.24	-3.63
		-3.63	0.24	-1.42e-03	0.0	114.5	231.52	-2.57	1.10	-0.02	1.54	-2.03
399	126	-1.58	0.96	3.80e-03	0.0	0.0	374.15	-5.22	0.65	-0.04	0.40	-1.58
		-3.97	0.40	-8.21e-04	0.0	114.5	374.85	-5.22	0.65	-0.04	0.96	-3.97
403	2	0.05	2.36	1.85e-04	0.0	0.0	-30.20	-0.14	-4.77	1.19e-03	2.36	0.05
		-0.11	-3.10	5.45e-04	0.0	114.5	-29.29	-0.14	-4.77	1.19e-03	-3.10	-0.11
403	6	0.07	1.84	2.27e-04	0.0	0.0	-24.98	-0.14	-3.71	1.20e-03	1.84	0.07
		-0.09	-2.40	4.28e-04	0.0	114.5	-24.08	-0.14	-3.71	1.20e-03	-2.40	-0.09
403	7	0.06	0.47	1.73e-04	0.0	0.0	-10.24	-0.08	-0.92	6.63e-04	0.47	0.06
		-0.03	-0.58	1.12e-04	0.0	114.5	-9.54	-0.08	-0.92	6.63e-04	-0.58	-0.03
403	10	0.03	1.63	1.25e-04	0.0	0.0	-21.53	-0.10	-3.30	8.09e-04	1.63	0.03
		-0.08	-2.14	3.76e-04	0.0	114.5	-20.83	-0.10	-3.30	8.09e-04	-2.14	-0.08
403	11	0.04	0.45	1.22e-04	0.0	0.0	-13.97	-0.06	-0.91	4.95e-04	0.45	0.04
		-0.03	-0.59	1.09e-04	0.0	114.5	-13.27	-0.06	-0.91	4.95e-04	-0.59	-0.03
403	12	0.05	1.29	1.53e-04	0.0	0.0	-18.05	-0.10	-2.59	8.13e-04	1.29	0.05
		-0.06	-1.68	2.98e-04	0.0	114.5	-17.35	-0.10	-2.59	8.13e-04	-1.68	-0.06
403	14	1.88e-03	1.02	4.01e-05	0.0	0.0	-21.20	-0.05	-2.09	3.72e-04	1.02	1.88e-03
		-0.06	-1.37	2.36e-04	0.0	114.5	-20.50	-0.05	-2.09	3.72e-04	-1.37	-0.06
403	15	4.24e-03	0.43	3.88e-05	0.0	0.0	-17.42	-0.03	-0.89	2.15e-04	0.43	4.24e-03
		-0.03	-0.59	1.03e-04	0.0	114.5	-16.73	-0.03	-0.89	2.15e-04	-0.59	-0.03
403	16	7.87e-03	0.79	5.21e-05	0.0	0.0	-19.17	-0.05	-1.61	3.51e-04	0.79	7.87e-03
		-0.05	-1.06	1.84e-04	0.0	114.5	-18.47	-0.05	-1.61	3.51e-04	-1.06	-0.05
403	17	-4.17e-03	0.42	1.80e-05	0.0	0.0	-18.29	-0.02	-0.89	1.45e-04	0.42	-4.17e-03
		-0.03	-0.59	1.01e-04	0.0	114.5	-17.59	-0.02	-0.89	1.45e-04	-0.59	-0.03
403	18	-5.38e-04	0.78	3.12e-05	0.0	0.0	-20.04	-0.04	-1.61	2.82e-04	0.78	-5.38e-04
		-0.05	-1.06	1.82e-04	0.0	114.5	-19.34	-0.04	-1.61	2.82e-04	-1.06	-0.05
403	19	10.91	-0.58	5.14e-04	0.0	0.0	-189.35	0.27	1.01	0.02	-1.81	10.91
		10.08	-1.81	7.18e-04	0.0	114.5	-188.65	0.27	1.01	0.02	-0.58	10.08
403	22	-10.17	3.37	-4.52e-04	0.0	0.0	149.27	-0.35	-4.22	-0.02	3.37	-10.91
		-10.91	-1.54	-3.54e-04	0.0	114.5	149.97	-0.35	-4.22	-0.02	-1.54	-10.17
403	27	9.45	-0.43	6.29e-04	0.0	0.0	-211.71	0.39	1.86	0.02	-2.65	9.45
		8.52	-2.65	8.17e-04	0.0	114.5	-211.01	0.39	1.86	0.02	-0.43	8.52
403	28	4.81	-0.08	1.47e-03	0.0	0.0	-144.08	1.03	3.97	7.56e-03	-4.72	4.81
		4.33	-4.72	1.33e-03	0.0	114.5	-143.38	1.03	3.97	7.56e-03	-0.08	4.33
403	29	-4.42	6.28	-1.40e-03	0.0	0.0	104.01	-1.11	-7.18	-7.00e-03	6.28	-4.81
		-4.81	-2.04	-9.65e-04	0.0	114.5	104.70	-1.11	-7.18	-7.00e-03	-2.04	-4.42
403	30	-8.61	4.21	-5.66e-04	0.0	0.0	171.64	-0.47	-5.07	-0.02	4.21	-9.45
		-9.45	-1.68	-4.53e-04	0.0	114.5	172.34	-0.47	-5.07	-0.02	-1.68	-8.61
403	51	7.99	-0.68	3.83e-04	0.0	0.0	-143.41	0.19	0.31	0.02	-1.11	7.99
		7.36	-1.11	5.76e-04	0.0	114.5	-142.71	0.19	0.31	0.02	-0.68	7.36
403	54	-7.45	2.67	-3.21e-04	0.0	0.0	103.34	-0.27	-3.52	-0.02	2.67	-7.99
		-7.99	-1.43	-2.12e-04	0.0	114.5	104.04	-0.27	-3.52	-0.02	-1.43	-7.45
403	59	6.93	-0.57	4.65e-04	0.0	0.0	-159.78	0.29	0.93	0.01	-1.72	6.93
		6.22	-1.72	6.49e-04	0.0	114.5	-159.08	0.29	0.93	0.01	-0.57	6.22
403	60	3.55	-0.31	1.10e-03	0.0	0.0	-110.06	0.79	2.50	5.55e-03	-3.27	3.55
		3.18	-3.27	1.03e-03	0.0	114.5	-109.37	0.79	2.50	5.55e-03	-0.31	3.18
403	61	-3.27	4.83	-1.03e-03	0.0	0.0	69.99	-0.87	-5.72	-4.98e-03	4.83	-3.55
		-3.55	-1.81	-6.70e-04	0.0	114.5	70.69	-0.87	-5.72	-4.98e-03	-1.81	-3.27
403	62	-6.31	3.29	-4.02e-04	0.0	0.0	119.71	-0.37	-4.14	-0.01	3.29	-6.93
		-6.93	-1.54	-2.85e-04	0.0	114.5	120.41	-0.37	-4.14	-0.01	-1.54	-6.31
403	83	7.07	-0.73	3.42e-04	0.0	0.0	-129.04	0.16	0.09	0.01	-0.89	7.07
		6.50	-0.89	5.30e-04	0.0	114.5	-128.34	0.16	0.09	0.01	-0.73	6.50
403	86	-6.59	2.45	-2.80e-04	0.0	0.0	88.97	-0.25	-3.30	-0.01	2.45	-7.07
		-7.07	-1.39	-1.66e-04	0.0	114.5	89.67	-0.25	-3.30	-0.01	-1.39	-6.59
403	91	6.13	-0.63	4.14e-04	0.0	0.0	-143.58	0.25	0.64	0.01	-1.43	6.13
		5.49	-1.43	5.95e-04	0.0	114.5	-142.88	0.25	0.64	0.01	-0.63	5.49
403	92	3.14	-0.39	9.76e-04	0.0	0.0	-99.59	0.70	2.03	4.93e-03	-2.80	3.14
		2.81	-2.80	9.37e-04	0.0	114.5	-98.89	0.70	2.03	4.93e-03	-0.39	2.81

403	93	-2.90	4.36	-9.13e-04	0.0	0.0	59.52	-0.78	-5.25	-4.37e-03	4.36	-3.14
		-3.14	-1.73	-5.73e-04	0.0	114.5	60.22	-0.78	-5.25	-4.37e-03	-1.73	-2.90
403	94	-5.59	3.00	-3.52e-04	0.0	0.0	103.51	-0.33	-3.85	-0.01	3.00	-6.13
		-6.13	-1.49	-2.31e-04	0.0	114.5	104.20	-0.33	-3.85	-0.01	-1.49	-5.59
403	115	13.06	-0.49	6.25e-04	0.0	0.0	-224.15	0.33	1.53	0.03	-2.33	13.06
		12.07	-2.33	8.29e-04	0.0	114.5	-223.45	0.33	1.53	0.03	-0.49	12.07
403	118	-12.17	3.90	-5.63e-04	0.0	0.0	184.08	-0.41	-4.75	-0.03	3.90	-13.06
		-13.06	-1.62	-4.65e-04	0.0	114.5	184.77	-0.41	-4.75	-0.03	-1.62	-12.17
403	123	11.32	-0.32	7.64e-04	0.0	0.0	-252.00	0.47	2.58	0.02	-3.37	11.32
		10.22	-3.37	9.51e-04	0.0	114.5	-251.31	0.47	2.58	0.02	-0.32	10.22
403	124	5.73	0.11	1.78e-03	0.0	0.0	-170.35	1.22	5.13	9.08e-03	-5.88	5.73
		5.17	-5.88	1.57e-03	0.0	114.5	-169.65	1.22	5.13	9.08e-03	0.11	5.17
403	125	-5.27	7.44	-1.71e-03	0.0	0.0	130.28	-1.30	-8.34	-8.52e-03	7.44	-5.73
		-5.73	-2.23	-1.21e-03	0.0	114.5	130.97	-1.30	-8.34	-8.52e-03	-2.23	-5.27
403	126	-10.32	4.93	-7.01e-04	0.0	0.0	211.93	-0.55	-5.79	-0.02	4.93	-11.32
		-11.32	-1.80	-5.87e-04	0.0	114.5	212.63	-0.55	-5.79	-0.02	-1.80	-10.32
407	2	-0.10	2.77	-3.61e-04	0.0	0.0	-24.34	-0.02	-2.29	0.0	2.77	-0.10
		-0.18	-5.47	4.93e-03	0.0	360.0	-21.49	-0.02	-2.29	0.0	-5.47	-0.18
407	3	-0.06	-0.37	-1.83e-04	0.0	0.0	-14.74	-0.01	-0.20	0.0	-0.37	-0.06
		-0.10	-1.08	9.64e-04	0.0	360.0	-12.55	-0.01	-0.20	0.0	-1.08	-0.10
407	6	-0.11	1.17	-3.87e-04	0.0	0.0	-23.39	-0.02	-1.52	0.0	1.17	-0.11
		-0.19	-4.28	3.83e-03	0.0	360.0	-20.54	-0.02	-1.52	0.0	-4.28	-0.19
407	9	-0.05	-8.22e-03	-1.49e-04	0.0	0.0	-15.57	-0.01	-0.30	0.0	-8.22e-03	-0.05
		-0.09	-1.09	9.63e-04	0.0	360.0	-13.37	-0.01	-0.30	0.0	-1.09	-0.09
407	10	-0.07	1.94	-2.50e-04	0.0	0.0	-17.74	-0.01	-1.59	0.0	1.94	-0.07
		-0.13	-3.78	3.41e-03	0.0	360.0	-15.55	-0.01	-1.59	0.0	-3.78	-0.13
407	12	-0.08	0.88	-2.67e-04	0.0	0.0	-17.11	-0.02	-1.07	0.0	0.88	-0.08
		-0.13	-2.98	2.67e-03	0.0	360.0	-14.91	-0.02	-1.07	0.0	-2.98	-0.13
407	13	-0.03	0.71	-7.68e-05	0.0	0.0	-15.54	-7.90e-03	-0.49	0.0	0.71	-0.03
		-0.06	-1.07	9.60e-04	0.0	360.0	-13.35	-7.90e-03	-0.49	0.0	-1.07	-0.06
407	14	-0.04	1.68	-1.27e-04	0.0	0.0	-16.63	-9.78e-03	-1.14	0.0	1.68	-0.04
		-0.08	-2.41	2.18e-03	0.0	360.0	-14.44	-9.78e-03	-1.14	0.0	-2.41	-0.08
407	16	-0.04	1.05	-1.31e-04	0.0	0.0	-16.20	-0.01	-0.82	0.0	1.05	-0.04
		-0.08	-1.88	1.69e-03	0.0	360.0	-14.01	-0.01	-0.82	0.0	-1.88	-0.08
407	17	-0.03	0.71	-7.68e-05	0.0	0.0	-15.54	-7.90e-03	-0.49	0.0	0.71	-0.03
		-0.06	-1.07	9.60e-04	0.0	360.0	-13.35	-7.90e-03	-0.49	0.0	-1.07	-0.06
407	18	-0.04	1.29	-1.07e-04	0.0	0.0	-16.19	-9.02e-03	-0.88	0.0	1.29	-0.04
		-0.07	-1.88	1.69e-03	0.0	360.0	-14.00	-9.02e-03	-0.88	0.0	-1.88	-0.07
407	35	0.97	2.38	2.05e-03	0.0	0.0	-15.50	-0.14	-2.09	0.0	2.38	0.97
		0.41	-6.23	1.01e-03	0.0	360.0	-13.30	-0.14	-2.09	0.0	-6.23	0.41
407	47	0.95	3.02	2.57e-03	0.0	0.0	-15.20	-0.10	-2.59	0.0	3.02	0.95
		0.50	-8.79	-1.30e-03	0.0	360.0	-13.01	-0.10	-2.59	0.0	-8.79	0.50
407	48	-0.65	7.08	-4.71e-03	0.0	0.0	-16.90	0.01	1.49	0.0	-0.79	-0.65
		-1.07	-0.79	5.98e-03	0.0	360.0	-14.71	0.01	1.49	0.0	7.08	-1.07
407	49	0.93	3.38	4.50e-03	0.0	0.0	-15.49	-0.03	-3.25	0.0	3.38	0.57
		0.57	-10.84	-2.60e-03	0.0	360.0	-13.30	-0.03	-3.25	0.0	-10.84	0.93
407	50	-0.64	5.04	-2.79e-03	0.0	0.0	-17.19	0.08	0.83	0.0	-0.44	-1.03
		-1.03	-0.44	4.69e-03	0.0	360.0	-15.00	0.08	0.83	0.0	5.04	-0.64
407	67	0.73	2.18	1.53e-03	0.0	0.0	-15.66	-0.10	-1.81	0.0	2.18	0.73
		0.29	-5.24	1.06e-03	0.0	360.0	-13.47	-0.10	-1.81	0.0	-5.24	0.29
407	79	0.71	2.70	1.92e-03	0.0	0.0	-15.43	-0.08	-2.24	0.0	2.70	0.71
		0.36	-7.46	-7.07e-04	0.0	360.0	-13.24	-0.08	-2.24	0.0	-7.46	0.36
407	80	-0.50	5.22	-3.58e-03	0.0	0.0	-16.75	7.07e-03	0.96	0.0	-0.38	-0.50
		-0.83	-0.38	5.04e-03	0.0	360.0	-14.55	7.07e-03	0.96	0.0	5.22	-0.83
407	81	0.69	2.96	3.37e-03	0.0	0.0	-15.64	-0.03	-2.72	0.0	2.96	0.43
		0.43	-8.97	-1.65e-03	0.0	360.0	-13.45	-0.03	-2.72	0.0	-8.97	0.69
407	82	-0.50	3.71	-2.14e-03	0.0	0.0	-16.96	0.06	0.48	0.0	-0.12	-0.79
		-0.79	-0.12	4.10e-03	0.0	360.0	-14.77	0.06	0.48	0.0	3.71	-0.50
407	99	0.65	2.08	1.35e-03	0.0	0.0	-15.72	-0.09	-1.71	0.0	2.08	0.65
		0.25	-4.88	1.10e-03	0.0	360.0	-13.53	-0.09	-1.71	0.0	-4.88	0.25
407	111	0.63	2.55	1.69e-03	0.0	0.0	-15.52	-0.07	-2.09	0.0	2.55	0.63
		0.31	-6.84	6.40e-04	0.0	360.0	-13.32	-0.07	-2.09	0.0	-6.84	0.31
407	112	-0.45	4.43	-3.19e-03	0.0	0.0	-16.69	5.31e-03	0.76	0.0	-0.19	-0.45
		-0.75	-0.19	4.66e-03	0.0	360.0	-14.49	5.31e-03	0.76	0.0	4.43	-0.75
407	113	0.60	2.78	2.98e-03	0.0	0.0	-15.70	-0.02	-2.52	0.0	2.78	0.37
		0.37	-8.18	-1.27e-03	0.0	360.0	-13.51	-0.02	-2.52	0.0	-8.18	0.60
407	114	-0.46	3.09	-1.91e-03	0.0	0.0	-16.87	0.05	0.33	0.0	0.04	-0.71
		-0.71	0.04	3.83e-03	0.0	360.0	-14.68	0.05	0.33	0.0	3.09	-0.46
407	131	1.18	2.55	2.50e-03	0.0	0.0	-15.36	-0.16	-2.33	0.0	2.55	1.18
		0.51	-7.05	9.88e-04	0.0	360.0	-13.16	-0.16	-2.33	0.0	-7.05	0.51
407	143	1.16	3.26	3.13e-03	0.0	0.0	-15.02	-0.11	-2.87	0.0	3.26	1.16
		0.62	-9.80	-1.75e-03	0.0	360.0	-12.82	-0.11	-2.87	0.0	-9.80	0.62
407	144	-0.78	8.52	-5.65e-03	0.0	0.0	-17.02	0.01	1.91	0.0	-1.10	-0.78
		-1.28	-1.10	6.70e-03	0.0	360.0	-14.83	0.01	1.91	0.0	8.52	-1.28
407	145	1.14	3.69	5.44e-03	0.0	0.0	-15.37	-0.03	-3.67	0.0	3.69	0.70

		0.70	-12.27	-3.31e-03	0.0	360.0	-13.17	-0.03	-3.67	0.0	-12.27	1.14
407	146	-0.76	6.05	-3.35e-03	0.0	0.0	-17.37	0.09	1.11	0.0	-0.67	-1.24
		-1.24	-0.67	5.14e-03	0.0	360.0	-15.18	0.09	1.11	0.0	6.05	-0.76
408	2	0.91	0.49	7.98e-04	0.0	0.0	-69.52	-0.43	-0.24	0.06	0.49	0.91
		-0.63	-0.36	3.60e-04	0.0	360.0	-66.34	-0.43	-0.24	0.06	-0.36	-0.63
408	3	0.34	0.24	3.98e-04	0.0	0.0	-43.09	-0.16	-0.11	0.04	0.24	0.34
		-0.25	-0.14	1.83e-04	0.0	360.0	-40.65	-0.16	-0.11	0.04	-0.14	-0.25
408	6	0.91	0.50	8.93e-04	0.0	0.0	-67.39	-0.43	-0.24	0.08	0.50	0.91
		-0.63	-0.36	3.87e-04	0.0	360.0	-64.21	-0.43	-0.24	0.08	-0.36	-0.63
408	8	0.85	0.50	8.55e-04	0.0	0.0	-48.61	-0.40	-0.24	0.08	0.50	0.85
		-0.59	-0.37	3.61e-04	0.0	360.0	-46.16	-0.40	-0.24	0.08	-0.37	-0.59
408	9	0.27	0.18	3.01e-04	0.0	0.0	-45.59	-0.13	-0.08	0.03	0.18	0.27
		-0.20	-0.10	1.49e-04	0.0	360.0	-43.14	-0.13	-0.08	0.03	-0.10	-0.20
408	10	0.61	0.35	5.42e-04	0.0	0.0	-50.68	-0.29	-0.17	0.04	0.35	0.61
		-0.43	-0.25	2.49e-04	0.0	360.0	-48.24	-0.29	-0.17	0.04	-0.25	-0.43
408	12	0.61	0.35	6.05e-04	0.0	0.0	-49.26	-0.29	-0.17	0.05	0.35	0.61
		-0.43	-0.25	2.67e-04	0.0	360.0	-46.82	-0.29	-0.17	0.05	-0.25	-0.43
408	13	0.11	0.10	9.74e-05	0.0	0.0	-45.42	-0.06	-0.03	7.38e-03	0.10	0.11
		-0.10	-0.03	7.68e-05	0.0	360.0	-42.98	-0.06	-0.03	7.38e-03	-0.03	-0.10
408	14	0.28	0.18	2.18e-04	0.0	0.0	-47.97	-0.14	-0.08	0.01	0.18	0.28
		-0.21	-0.11	1.27e-04	0.0	360.0	-45.52	-0.14	-0.08	0.01	-0.11	-0.21
408	17	0.11	0.10	9.74e-05	0.0	0.0	-45.42	-0.06	-0.03	7.38e-03	0.10	0.11
		-0.10	-0.03	7.68e-05	0.0	360.0	-42.98	-0.06	-0.03	7.38e-03	-0.03	-0.10
408	18	0.21	0.15	1.70e-04	0.0	0.0	-46.95	-0.11	-0.06	9.23e-03	0.15	0.21
		-0.17	-0.07	1.07e-04	0.0	360.0	-44.51	-0.11	-0.06	9.23e-03	-0.07	-0.17
408	19	2.19	3.04	2.19e-03	0.0	0.0	-32.78	-1.10	-1.59	-0.65	3.04	2.19
		-1.78	-2.70	3.20e-03	0.0	360.0	-30.33	-1.10	-1.59	-0.65	-2.70	-1.78
408	22	1.44	2.55	-1.85e-03	0.0	0.0	-61.12	0.89	1.47	0.67	-2.74	-1.76
		-1.76	-2.74	-2.98e-03	0.0	360.0	-58.68	0.89	1.47	0.67	2.55	1.44
408	24	5.03	5.22	5.02e-03	0.0	0.0	-38.12	-2.49	-2.69	-1.49	5.22	5.03
		-3.95	-4.47	5.31e-03	0.0	360.0	-35.67	-2.49	-2.69	-1.49	-4.47	-3.95
408	25	3.61	4.33	-4.68e-03	0.0	0.0	-55.78	2.27	2.56	1.51	-4.92	-4.60
		-4.60	-4.92	-5.09e-03	0.0	360.0	-53.34	2.27	2.56	1.51	4.33	3.61
408	48	6.24	4.90	6.25e-03	0.0	0.0	-52.54	-3.07	-2.48	-1.72	4.90	6.24
		-4.84	-4.06	4.71e-03	0.0	360.0	-50.10	-3.07	-2.48	-1.72	-4.06	-4.84
408	49	4.50	3.91	-5.91e-03	0.0	0.0	-41.36	2.86	2.36	1.74	-4.61	-5.81
		-5.81	-4.61	-4.49e-03	0.0	360.0	-38.91	2.86	2.36	1.74	3.91	4.50
408	51	1.69	2.28	1.68e-03	0.0	0.0	-36.65	-0.85	-1.19	-0.49	2.28	1.69
		-1.37	-2.01	2.39e-03	0.0	360.0	-34.21	-0.85	-1.19	-0.49	-2.01	-1.37
408	54	1.03	1.86	-1.34e-03	0.0	0.0	-57.25	0.64	1.07	0.50	-1.99	-1.26
		-1.26	-1.99	-2.17e-03	0.0	360.0	-54.80	0.64	1.07	0.50	1.86	1.03
408	56	3.83	3.93	3.80e-03	0.0	0.0	-40.54	-1.89	-2.02	-1.12	3.93	3.83
		-3.00	-3.35	3.97e-03	0.0	360.0	-38.10	-1.89	-2.02	-1.12	-3.35	-3.00
408	57	2.66	3.20	-3.46e-03	0.0	0.0	-53.35	1.68	1.90	1.14	-3.64	-3.40
		-3.40	-3.64	-3.76e-03	0.0	360.0	-50.91	1.68	1.90	1.14	3.20	2.66
408	80	4.74	3.74	4.73e-03	0.0	0.0	-51.03	-2.33	-1.89	-1.30	3.74	4.74
		-3.66	-3.08	3.58e-03	0.0	360.0	-48.58	-2.33	-1.89	-1.30	-3.08	-3.66
408	81	3.33	2.93	-4.39e-03	0.0	0.0	-42.87	2.12	1.77	1.32	-3.44	-4.31
		-4.31	-3.44	-3.36e-03	0.0	360.0	-40.43	2.12	1.77	1.32	2.93	3.33
408	83	1.53	2.04	1.50e-03	0.0	0.0	-37.85	-0.76	-1.06	-0.43	2.04	1.53
		-1.23	-1.79	2.12e-03	0.0	360.0	-35.41	-0.76	-1.06	-0.43	-1.79	-1.23
408	86	0.90	1.64	-1.17e-03	0.0	0.0	-56.05	0.55	0.94	0.45	-1.75	-1.10
		-1.10	-1.75	-1.91e-03	0.0	360.0	-53.60	0.55	0.94	0.45	1.64	0.90
408	88	3.42	3.50	3.39e-03	0.0	0.0	-41.29	-1.69	-1.80	-1.00	3.50	3.42
		-2.68	-2.98	3.53e-03	0.0	360.0	-38.85	-1.69	-1.80	-1.00	-2.98	-2.68
408	89	2.34	2.83	-3.05e-03	0.0	0.0	-52.61	1.48	1.67	1.01	-3.21	-2.99
		-2.99	-3.21	-3.32e-03	0.0	360.0	-50.16	1.48	1.67	1.01	2.83	2.34
408	108	4.23	3.46	4.21e-03	0.0	0.0	-50.37	-2.08	-1.75	-1.11	3.46	4.23
		-3.26	-2.85	3.36e-03	0.0	360.0	-47.92	-2.08	-1.75	-1.11	-2.85	-3.26
408	109	2.92	2.70	-3.87e-03	0.0	0.0	-43.53	1.86	1.63	1.13	-3.17	-3.80
		-3.80	-3.17	-3.14e-03	0.0	360.0	-41.09	1.86	1.63	1.13	2.70	2.92
408	115	2.60	3.62	2.61e-03	0.0	0.0	-29.92	-1.30	-1.90	-0.78	3.62	2.60
		-2.11	-3.23	3.83e-03	0.0	360.0	-27.48	-1.30	-1.90	-0.78	-3.23	-2.11
408	118	1.78	3.08	-2.27e-03	0.0	0.0	-63.98	1.09	1.78	0.79	-3.33	-2.17
		-2.17	-3.33	-3.61e-03	0.0	360.0	-61.53	1.09	1.78	0.79	3.08	1.78
408	120	6.03	6.26	6.03e-03	0.0	0.0	-36.35	-2.98	-3.22	-1.79	6.26	6.03
		-4.73	-5.37	6.37e-03	0.0	360.0	-33.91	-2.98	-3.22	-1.79	-5.37	-4.73
408	121	4.40	5.22	-5.69e-03	0.0	0.0	-57.55	2.77	3.10	1.81	-5.96	-5.60
		-5.60	-5.96	-6.15e-03	0.0	360.0	-55.10	2.77	3.10	1.81	5.22	4.40
408	144	7.51	5.87	7.52e-03	0.0	0.0	-53.70	-3.69	-2.98	-2.07	5.87	7.51
		-5.82	-4.86	5.64e-03	0.0	360.0	-51.25	-3.69	-2.98	-2.07	-4.86	-5.82
408	145	5.48	4.71	-7.18e-03	0.0	0.0	-40.20	3.48	2.85	2.09	-5.58	-7.08
		-7.08	-5.58	-5.43e-03	0.0	360.0	-37.76	3.48	2.85	2.09	4.71	5.48
421	2	0.14	3.19	-1.53e-04	0.0	0.0	-36.28	0.19	-6.35	-1.13e-03	3.19	-0.08
		-0.08	-4.08	6.87e-04	0.0	114.5	-35.38	0.19	-6.35	-1.13e-03	-4.08	0.14

421	3	0.07	0.61	-2.85e-05	0.0	0.0	-24.02	0.07	-1.46	-1.91e-04	0.61	-0.01
		-0.01	-1.06	2.13e-04	0.0	114.5	-23.32	0.07	-1.46	-1.91e-04	-1.06	0.07
421	6	0.15	2.50	-1.18e-04	0.0	0.0	-40.84	0.18	-5.23	-8.76e-04	2.50	-0.06
		-0.06	-3.49	6.27e-04	0.0	114.5	-39.94	0.18	-5.23	-8.76e-04	-3.49	0.15
421	9	0.05	0.58	-3.03e-05	0.0	0.0	-22.62	0.06	-1.31	-1.98e-04	0.58	-0.01
		-0.01	-0.92	1.76e-04	0.0	114.5	-21.93	0.06	-1.31	-1.98e-04	-0.92	0.05
421	10	0.09	2.21	-1.05e-04	0.0	0.0	-25.42	0.13	-4.38	-7.76e-04	2.21	-0.05
		-0.05	-2.81	4.72e-04	0.0	114.5	-24.72	0.13	-4.38	-7.76e-04	-2.81	0.09
421	12	0.10	1.75	-8.20e-05	0.0	0.0	-28.46	0.12	-3.63	-6.05e-04	1.75	-0.04
		-0.04	-2.42	4.32e-04	0.0	114.5	-27.76	0.12	-3.63	-6.05e-04	-2.42	0.10
421	13	0.03	0.54	-3.09e-05	0.0	0.0	-16.80	0.03	-1.05	-1.95e-04	0.54	-0.01
		-0.01	-0.66	1.03e-04	0.0	114.5	-16.11	0.03	-1.05	-1.95e-04	-0.66	0.03
421	14	0.05	1.35	-6.82e-05	0.0	0.0	-18.20	0.07	-2.58	-4.84e-04	1.35	-0.03
		-0.03	-1.61	2.51e-04	0.0	114.5	-17.50	0.07	-2.58	-4.84e-04	-1.61	0.05
421	16	0.05	1.04	-5.31e-05	0.0	0.0	-19.58	0.06	-2.06	-3.69e-04	1.04	-0.03
		-0.03	-1.32	2.16e-04	0.0	114.5	-18.89	0.06	-2.06	-3.69e-04	-1.32	0.05
421	17	0.03	0.54	-3.09e-05	0.0	0.0	-16.80	0.03	-1.05	-1.95e-04	0.54	-0.01
		-0.01	-0.66	1.03e-04	0.0	114.5	-16.11	0.03	-1.05	-1.95e-04	-0.66	0.03
421	18	0.04	1.03	-5.33e-05	0.0	0.0	-17.64	0.06	-1.97	-3.68e-04	1.03	-0.03
		-0.03	-1.23	1.92e-04	0.0	114.5	-16.95	0.06	-1.97	-3.68e-04	-1.23	0.04
421	19	6.30	-0.24	-1.18e-03	0.0	0.0	141.75	1.12	-3.29	0.02	-0.24	5.42
		5.42	-1.89	7.09e-04	0.0	114.5	142.45	1.12	-3.29	0.02	-1.89	6.30
421	22	-5.47	2.29	1.07e-03	0.0	0.0	-177.04	-1.01	-0.65	-0.02	2.29	-5.47
		-6.22	-0.56	-3.25e-04	0.0	114.5	-176.34	-1.01	-0.65	-0.02	-0.56	-6.22
421	47	4.32	4.59	8.30e-04	0.0	0.0	181.55	0.81	-3.71	0.01	4.59	3.60
		3.60	-0.19	-8.74e-04	0.0	114.5	182.25	0.81	-3.71	0.01	-0.19	4.32
421	48	-1.86	-1.29	-1.96e-03	0.0	0.0	-139.04	-0.26	-0.82	-6.53e-03	-1.29	-1.86
		-2.05	-2.88	1.78e-03	0.0	114.5	-138.34	-0.26	-0.82	-6.53e-03	-2.88	-2.05
421	50	-3.65	-2.27	-9.37e-04	0.0	0.0	-216.84	-0.70	-0.23	-0.01	-2.54	-3.65
		-4.25	-2.54	1.26e-03	0.0	114.5	-216.14	-0.70	-0.23	-0.01	-2.27	-4.25
421	51	4.57	0.09	-8.73e-04	0.0	0.0	99.92	0.86	-2.96	0.01	0.09	3.94
		3.94	-1.71	5.79e-04	0.0	114.5	100.62	0.86	-2.96	0.01	-1.71	4.57
421	54	-3.99	1.96	7.67e-04	0.0	0.0	-135.21	-0.75	-0.98	-0.01	1.96	-3.99
		-4.49	-0.74	-1.96e-04	0.0	114.5	-134.51	-0.75	-0.98	-0.01	-0.74	-4.49
421	79	3.18	3.68	6.05e-04	0.0	0.0	129.79	0.63	-3.28	8.53e-03	3.68	2.64
		2.64	-0.44	-6.11e-04	0.0	114.5	130.49	0.63	-3.28	8.53e-03	-0.44	3.18
421	80	-1.38	-0.71	-1.47e-03	0.0	0.0	-108.40	-0.19	-1.09	-4.87e-03	-0.71	-1.38
		-1.50	-2.46	1.39e-03	0.0	114.5	-107.71	-0.19	-1.09	-4.87e-03	-2.46	-1.50
421	82	-2.69	-1.63	-7.11e-04	0.0	0.0	-165.08	-0.51	-0.66	-9.27e-03	-1.63	-2.69
		-3.10	-2.01	9.94e-04	0.0	114.5	-164.38	-0.51	-0.66	-9.27e-03	-2.01	-3.10
421	83	4.04	0.20	-7.78e-04	0.0	0.0	86.41	0.77	-2.85	0.01	0.20	3.48
		3.48	-1.66	5.35e-04	0.0	114.5	87.10	0.77	-2.85	0.01	-1.66	4.04
421	86	-3.53	1.86	6.71e-04	0.0	0.0	-121.69	-0.66	-1.09	-0.01	1.86	-3.53
		-3.96	-0.80	-1.52e-04	0.0	114.5	-121.00	-0.66	-1.09	-0.01	-0.80	-3.96
421	111	2.81	3.38	5.30e-04	0.0	0.0	112.92	0.56	-3.14	7.50e-03	3.38	2.33
		2.33	-0.53	-5.21e-04	0.0	114.5	113.62	0.56	-3.14	7.50e-03	-0.53	2.81
421	112	-1.22	-0.52	-1.30e-03	0.0	0.0	-98.11	-0.16	-1.19	-4.35e-03	-0.52	-1.22
		-1.32	-2.32	1.25e-03	0.0	114.5	-97.42	-0.16	-1.19	-4.35e-03	-2.32	-1.32
421	114	-2.38	-1.33	-6.37e-04	0.0	0.0	-148.21	-0.45	-0.80	-8.24e-03	-1.33	-2.38
		-2.74	-1.92	9.04e-04	0.0	114.5	-147.51	-0.45	-0.80	-8.24e-03	-1.92	-2.74
421	115	7.59	-0.51	-1.41e-03	0.0	0.0	174.62	1.32	-3.56	0.02	-0.51	6.53
		6.53	-2.03	8.17e-04	0.0	114.5	175.32	1.32	-3.56	0.02	-2.03	7.59
421	118	-6.58	2.56	1.30e-03	0.0	0.0	-209.91	-1.21	-0.38	-0.02	2.56	-6.58
		-7.51	-0.43	-4.33e-04	0.0	114.5	-209.21	-1.21	-0.38	-0.02	-0.43	-7.51
421	143	5.19	5.33	1.02e-03	0.0	0.0	223.39	0.95	-4.07	0.01	5.33	4.33
		4.33	0.03	-1.10e-03	0.0	114.5	224.09	0.95	-4.07	0.01	0.03	5.19
421	146	-4.38	-2.49	-1.12e-03	0.0	0.0	-258.68	-0.84	0.13	-0.02	-3.28	-4.38
		-5.11	-3.28	1.48e-03	0.0	114.5	-257.98	-0.84	0.13	-0.02	-2.49	-5.11
422	1	0.02	1.60	-1.32e-04	0.0	0.0	-6.81	-5.19e-03	-2.15	0.0	1.60	0.02
		-3.55e-04	-1.41	-1.10e-03	3.63	474.5	-3.05	-5.19e-03	1.48	0.0	0.01	-3.55e-04
422	2	-7.73e-05	0.97	-5.69e-04	0.0	0.0	-6.81	1.38e-03	-2.02	0.0	0.97	-6.64e-03
		-6.64e-03	-1.66	-1.95e-03	3.63	474.5	-3.05	1.38e-03	1.61	0.0	0.02	-7.73e-05
422	4	-7.77e-05	1.05	-5.21e-04	0.0	0.0	-5.24	8.59e-04	-2.03	0.0	1.05	-4.15e-03
		-4.15e-03	-1.62	-1.84e-03	3.63	474.5	-2.35	8.59e-04	1.60	0.0	0.02	-7.77e-05
422	6	0.02	2.40	-4.22e-04	0.0	0.0	-6.81	-4.27e-03	-3.53	0.0	2.40	0.02
		-3.49e-04	-2.45	-2.19e-03	6.05	474.5	-3.05	-4.27e-03	2.52	0.0	0.03	-3.49e-04
422	7	0.04	2.92	-6.83e-05	0.0	0.0	-5.24	-9.40e-03	-3.64	0.0	2.92	0.04
		-5.44e-04	-2.26	-1.49e-03	6.05	474.5	-2.35	-9.40e-03	2.41	0.0	0.02	-5.44e-04
422	9	0.02	1.04	-9.95e-05	0.0	0.0	-5.24	-3.62e-03	-1.43	0.0	1.04	0.02
		-2.51e-04	-0.95	-7.60e-04	2.42	474.5	-2.35	-3.62e-03	0.99	0.0	9.08e-03	-2.51e-04
422	10	-6.62e-05	0.63	-3.90e-04	0.0	0.0	-5.24	7.62e-04	-1.34	0.0	0.63	-3.68e-03
		-3.68e-03	-1.12	-1.32e-03	2.42	474.5	-2.35	7.62e-04	1.08	0.0	0.01	-6.62e-05
422	11	0.03	1.87	-8.85e-05	0.0	0.0	-5.24	-6.08e-03	-2.41	0.0	1.87	0.03
		-3.77e-04	-1.53	-1.09e-03	4.03	474.5	-2.35	-6.08e-03	1.62	0.0	0.01	-3.77e-04
422	12	0.01	1.58	-2.92e-04	0.0	0.0	-5.24	-3.01e-03	-2.35	0.0	1.58	0.01

		-2.48e-04	-1.64	-1.49e-03	4.03	474.5	-2.35	-3.01e-03	1.69	0.0	0.02	-2.48e-04
422	13	-6.22e-05	1.74e-03	-1.16e-04	0.0	0.0	-5.24	6.06e-05	0.04	0.0	-0.20	-3.50e-04
		-3.50e-04	-0.20	-2.62e-04	0.0	474.5	-2.35	6.06e-05	0.04	0.0	1.74e-03	-6.22e-05
422	14	3.02e-05	3.78e-03	-2.61e-04	0.0	0.0	-5.24	2.25e-03	0.09	0.0	-0.41	-0.01
		-0.01	-0.41	-5.43e-04	0.0	474.5	-2.35	2.25e-03	0.09	0.0	3.78e-03	3.02e-05
422	15	5.41e-03	0.22	-1.10e-04	0.0	0.0	-5.24	-1.17e-03	-0.45	0.0	0.22	5.41e-03
		-1.25e-04	-0.37	-4.28e-04	0.81	474.5	-2.35	-1.17e-03	0.36	0.0	4.19e-03	-1.25e-04
422	16	-6.97e-05	0.09	-1.98e-04	0.0	0.0	-5.24	1.48e-04	-0.42	0.0	0.09	-7.73e-04
		-7.73e-04	-0.43	-5.97e-04	0.81	474.5	-2.35	1.48e-04	0.39	0.0	5.41e-03	-6.97e-05
422	17	-6.22e-05	1.74e-03	-1.16e-04	0.0	0.0	-5.24	6.06e-05	0.04	0.0	-0.20	-3.50e-04
		-3.50e-04	-0.20	-2.62e-04	0.0	474.5	-2.35	6.06e-05	0.04	0.0	1.74e-03	-6.22e-05
422	18	-6.76e-06	2.97e-03	-2.03e-04	0.0	0.0	-5.24	1.38e-03	0.07	0.0	-0.32	-6.53e-03
		-6.53e-03	-0.32	-4.30e-04	0.0	474.5	-2.35	1.38e-03	0.07	0.0	2.97e-03	-6.76e-06
422	19	7.28	1.04	-2.86e-03	0.0	0.0	-5.24	-1.53	-0.22	0.0	1.04	7.28
		0.03	-0.02	6.59e-03	0.0	474.5	-2.35	-1.53	-0.22	0.0	-0.02	0.03
422	22	-0.03	0.03	2.45e-03	0.0	0.0	-5.23	1.53	0.36	0.0	-1.68	-7.29
		-7.29	-1.68	-7.45e-03	0.0	474.5	-2.34	1.53	0.36	0.0	0.03	-0.03
422	35	5.97	0.04	3.39e-03	0.0	0.0	-5.25	-1.25	0.70	0.0	-3.29	5.97
		-0.01	-3.29	-6.32e-03	0.0	474.5	-2.36	-1.25	0.70	0.0	0.04	-0.01
422	38	0.01	2.65	-3.80e-03	0.0	0.0	-5.23	1.26	-0.57	0.0	2.65	-5.98
		-5.98	-0.03	5.46e-03	0.0	474.5	-2.34	1.26	-0.57	0.0	-0.03	0.01
422	48	0.03	5.79	-6.52e-03	0.0	0.0	-5.25	0.51	-1.24	0.0	5.79	-2.44
		-2.44	-0.05	0.01	0.0	474.5	-2.35	0.51	-1.24	0.0	-0.05	0.03
422	49	2.43	0.06	6.12e-03	0.0	0.0	-5.23	-0.51	1.37	0.0	-6.44	2.43
		-0.03	-6.44	-0.01	0.0	474.5	-2.34	-0.51	1.37	0.0	0.06	-0.03
422	51	5.27	0.67	-2.17e-03	0.0	0.0	-5.24	-1.11	-0.15	0.0	0.67	5.27
		0.02	-0.01	4.83e-03	0.0	474.5	-2.35	-1.11	-0.15	0.0	-0.01	0.02
422	54	-0.02	0.02	1.76e-03	0.0	0.0	-5.23	1.11	0.28	0.0	-1.32	-5.28
		-5.28	-1.32	-5.69e-03	0.0	474.5	-2.34	1.11	0.28	0.0	0.02	-0.02
422	67	4.34	0.03	2.54e-03	0.0	0.0	-5.24	-0.91	0.56	0.0	-2.60	4.34
		-7.78e-03	-2.60	-4.64e-03	0.0	474.5	-2.35	-0.91	0.56	0.0	0.03	-7.78e-03
422	70	7.77e-03	1.96	-2.95e-03	0.0	0.0	-5.23	0.91	-0.42	0.0	1.96	-4.35
		-4.35	-0.03	3.78e-03	0.0	474.5	-2.34	0.91	-0.42	0.0	-0.03	7.77e-03
422	80	0.02	4.47	-4.93e-03	0.0	0.0	-5.24	0.38	-0.96	0.0	4.47	-1.81
		-1.81	-0.04	7.62e-03	0.0	474.5	-2.35	0.38	-0.96	0.0	-0.04	0.02
422	81	1.79	0.05	4.53e-03	0.0	0.0	-5.23	-0.38	1.09	0.0	-5.12	1.79
		-0.02	-5.12	-8.49e-03	0.0	474.5	-2.34	-0.38	1.09	0.0	0.05	-0.02
422	83	4.65	0.56	-1.94e-03	0.0	0.0	-5.24	-0.98	-0.12	0.0	0.56	4.65
		0.02	-0.01	4.24e-03	0.0	474.5	-2.35	-0.98	-0.12	0.0	-0.01	0.02
422	86	-0.02	0.02	1.53e-03	0.0	0.0	-5.23	0.98	0.26	0.0	-1.20	-4.66
		-4.66	-1.20	-5.10e-03	0.0	474.5	-2.34	0.98	0.26	0.0	0.02	-0.02
422	99	3.83	0.03	2.24e-03	0.0	0.0	-5.24	-0.80	0.50	0.0	-2.36	3.83
		-6.92e-03	-2.36	-4.13e-03	0.0	474.5	-2.35	-0.80	0.50	0.0	0.03	-6.92e-03
422	102	6.90e-03	1.71	-2.64e-03	0.0	0.0	-5.23	0.81	-0.37	0.0	1.71	-3.84
		-3.84	-0.02	3.27e-03	0.0	474.5	-2.34	0.81	-0.37	0.0	-0.02	6.90e-03
422	112	0.02	3.94	-4.40e-03	0.0	0.0	-5.24	0.34	-0.84	0.0	3.94	-1.60
		-1.60	-0.04	6.68e-03	0.0	474.5	-2.35	0.34	-0.84	0.0	-0.04	0.02
422	113	1.59	0.04	3.99e-03	0.0	0.0	-5.23	-0.33	0.98	0.0	-4.59	1.59
		-0.02	-4.59	-7.54e-03	0.0	474.5	-2.34	-0.33	0.98	0.0	0.04	-0.02
422	115	8.78	1.33	-3.40e-03	0.0	0.0	-5.25	-1.84	-0.29	0.0	1.33	8.78
		0.03	-0.03	8.00e-03	0.0	474.5	-2.35	-1.84	-0.29	0.0	-0.03	0.03
422	118	-0.03	0.03	2.99e-03	0.0	0.0	-5.23	1.84	0.42	0.0	-1.98	-8.79
		-8.79	-1.98	-8.86e-03	0.0	474.5	-2.34	1.84	0.42	0.0	0.03	-0.03
422	131	7.18	0.05	4.15e-03	0.0	0.0	-5.25	-1.51	0.82	0.0	-3.86	7.18
		-0.01	-3.86	-7.73e-03	0.0	474.5	-2.36	-1.51	0.82	0.0	0.05	-0.01
422	134	0.01	3.22	-4.55e-03	0.0	0.0	-5.23	1.51	-0.69	0.0	3.22	-7.20
		-7.20	-0.04	6.87e-03	0.0	474.5	-2.34	1.51	-0.69	0.0	-0.04	0.01
422	144	0.03	6.81	-7.85e-03	0.0	0.0	-5.25	0.61	-1.45	0.0	6.81	-2.92
		-2.92	-0.06	0.01	0.0	474.5	-2.36	0.61	-1.45	0.0	-0.06	0.03
422	145	2.91	0.07	7.45e-03	0.0	0.0	-5.23	-0.61	1.59	0.0	-7.46	2.91
		-0.03	-7.46	-0.02	0.0	474.5	-2.34	-0.61	1.59	0.0	0.07	-0.03
423	2	-0.05	3.82	-1.31e-04	0.0	0.0	-25.01	-2.39e-03	-7.16	-3.25e-04	3.82	-0.05
		-0.06	-4.37	7.15e-04	0.0	114.5	-24.11	-2.39e-03	-7.16	-3.25e-04	-4.37	-0.06
423	3	1.85e-03	0.70	-3.07e-05	0.0	0.0	-17.74	-0.01	-1.67	1.46e-04	0.70	1.85e-03
		-9.78e-03	-1.21	2.16e-04	0.0	114.5	-17.04	-0.01	-1.67	1.46e-04	-1.21	-9.78e-03
423	6	-0.03	2.95	-1.06e-04	0.0	0.0	-25.76	-0.01	-5.91	-7.16e-05	2.95	-0.03
		-0.04	-3.82	6.47e-04	0.0	114.5	-24.85	-0.01	-5.91	-7.16e-05	-3.82	-0.04
423	7	0.01	0.71	-3.29e-05	0.0	0.0	-18.59	-0.02	-1.96	2.66e-04	0.71	0.01
		-8.01e-03	-1.53	2.88e-04	0.0	114.5	-17.89	-0.02	-1.96	2.66e-04	-1.53	-8.01e-03
423	9	-5.06e-03	0.69	-3.09e-05	0.0	0.0	-18.18	-5.47e-03	-1.53	7.98e-05	0.69	-5.06e-03
		-0.01	-1.07	1.80e-04	0.0	114.5	-17.49	-5.47e-03	-1.53	7.98e-05	-1.07	-0.01
423	10	-0.04	2.64	-9.04e-05	0.0	0.0	-18.41	-1.17e-03	-4.93	-2.18e-04	2.64	-0.04
		-0.04	-3.00	4.91e-04	0.0	114.5	-17.71	-1.17e-03	-4.93	-2.18e-04	-3.00	-0.04
423	11	3.12e-03	0.70	-3.23e-05	0.0	0.0	-18.75	-0.01	-1.73	1.60e-04	0.70	3.12e-03
		-0.01	-1.28	2.28e-04	0.0	114.5	-18.05	-0.01	-1.73	1.60e-04	-1.28	-0.01

423	12	-0.02	2.06	-7.40e-05	0.0	0.0	-18.91	-8.57e-03	-4.11	-4.86e-05	2.06	-0.02
		-0.03	-2.64	4.46e-04	0.0	114.5	-18.21	-8.57e-03	-4.11	-4.86e-05	-2.64	-0.03
423	13	-0.01	0.68	-2.87e-05	0.0	0.0	-17.34	3.70e-03	-1.24	-3.97e-05	0.68	-0.02
		-0.02	-0.74	1.08e-04	0.0	114.5	-16.64	3.70e-03	-1.24	-3.97e-05	-0.74	-0.01
423	14	-0.03	1.66	-5.85e-05	0.0	0.0	-17.45	5.84e-03	-2.94	-1.88e-04	1.66	-0.03
		-0.03	-1.71	2.64e-04	0.0	114.5	-16.75	5.84e-03	-2.94	-1.88e-04	-1.71	-0.03
423	15	-0.01	0.68	-2.95e-05	0.0	0.0	-17.62	6.40e-04	-1.34	0.0	0.68	-0.01
		-0.01	-0.85	1.32e-04	0.0	114.5	-16.92	6.40e-04	-1.34	0.0	-0.85	-0.01
423	16	-0.02	1.27	-4.73e-05	0.0	0.0	-17.69	1.93e-03	-2.36	-8.91e-05	1.27	-0.02
		-0.02	-1.43	2.25e-04	0.0	114.5	-16.99	1.93e-03	-2.36	-8.91e-05	-1.43	-0.02
423	17	-0.01	0.68	-2.87e-05	0.0	0.0	-17.34	3.70e-03	-1.24	-3.97e-05	0.68	-0.02
		-0.02	-0.74	1.08e-04	0.0	114.5	-16.64	3.70e-03	-1.24	-3.97e-05	-0.74	-0.01
423	18	-0.02	1.27	-4.66e-05	0.0	0.0	-17.40	4.98e-03	-2.26	-1.29e-04	1.27	-0.03
		-0.03	-1.33	2.02e-04	0.0	114.5	-16.71	4.98e-03	-2.26	-1.29e-04	-1.33	-0.02
423	19	13.71	0.16	-9.55e-04	0.0	0.0	-26.81	-1.92	-3.28	2.88e-03	0.16	13.71
		11.00	-3.57	7.10e-04	0.0	114.5	-26.12	-1.92	-3.28	2.88e-03	-3.57	11.00
423	22	-11.04	2.37	8.62e-04	0.0	0.0	-7.99	1.93	-1.25	-3.13e-03	2.37	-13.76
		-13.76	0.92	-3.07e-04	0.0	114.5	-7.30	1.93	-1.25	-3.13e-03	0.92	-11.04
423	48	-3.80	-1.91	-1.71e-03	0.0	0.0	-43.97	-1.34	-5.18	4.70e-03	-1.91	-4.74
		-4.74	-7.74	1.76e-03	0.0	114.5	-43.27	-1.34	-5.18	4.70e-03	-7.74	-3.80
423	49	4.68	5.09	1.61e-03	0.0	0.0	9.16	1.35	0.66	-4.96e-03	4.45	4.68
		3.76	4.45	-1.36e-03	0.0	114.5	9.86	1.35	0.66	-4.96e-03	5.09	3.76
423	51	9.92	0.45	-7.14e-04	0.0	0.0	-24.38	-1.39	-3.02	2.12e-03	0.45	9.92
		7.96	-2.99	5.82e-04	0.0	114.5	-23.68	-1.39	-3.02	2.12e-03	-2.99	7.96
423	54	-8.01	2.08	6.20e-04	0.0	0.0	-10.43	1.40	-1.51	-2.38e-03	2.08	-9.97
		-9.97	0.34	-1.79e-04	0.0	114.5	-9.73	1.40	-1.51	-2.38e-03	0.34	-8.01
423	80	-2.83	-1.11	-1.27e-03	0.0	0.0	-37.23	-1.04	-4.46	3.49e-03	-1.11	-3.56
		-3.56	-6.12	1.38e-03	0.0	114.5	-36.53	-1.04	-4.46	3.49e-03	-6.12	-2.83
423	81	3.50	3.64	1.18e-03	0.0	0.0	2.42	1.05	-0.07	-3.75e-03	3.64	3.50
		2.79	3.47	-9.72e-04	0.0	114.5	3.12	1.05	-0.07	-3.75e-03	3.47	2.79
423	83	8.75	0.55	-6.36e-04	0.0	0.0	-23.58	-1.23	-2.93	1.87e-03	0.55	8.75
		7.03	-2.80	5.39e-04	0.0	114.5	-22.88	-1.23	-2.93	1.87e-03	-2.80	7.03
423	86	-7.07	1.99	5.43e-04	0.0	0.0	-11.23	1.24	-1.60	-2.13e-03	1.99	-8.81
		-8.81	0.15	-1.36e-04	0.0	114.5	-10.53	1.24	-1.60	-2.13e-03	0.15	-7.07
423	112	-2.51	-0.84	-1.13e-03	0.0	0.0	-34.98	-0.92	-4.21	3.08e-03	-0.84	-3.15
		-3.15	-5.57	1.24e-03	0.0	114.5	-34.28	-0.92	-4.21	3.08e-03	-5.57	-2.51
423	113	3.10	3.38	1.04e-03	0.0	0.0	0.17	0.93	-0.32	-3.34e-03	3.38	3.10
		2.46	2.92	-8.40e-04	0.0	114.5	0.87	0.93	-0.32	-3.34e-03	2.92	2.46
423	115	16.53	-0.06	-1.14e-03	0.0	0.0	-28.75	-2.33	-3.49	3.47e-03	-0.06	16.53
		13.27	-4.03	8.16e-04	0.0	114.5	-28.06	-2.33	-3.49	3.47e-03	-4.03	13.27
423	118	-13.31	2.60	1.05e-03	0.0	0.0	-6.05	2.34	-1.04	-3.73e-03	2.60	-16.59
		-16.59	1.38	-4.13e-04	0.0	114.5	-5.36	2.34	-1.04	-3.73e-03	1.38	-13.31
423	144	-4.54	-2.58	-2.06e-03	0.0	0.0	-49.54	-1.57	-5.79	5.63e-03	-2.58	-5.63
		-5.63	-9.08	2.09e-03	0.0	114.5	-48.85	-1.57	-5.79	5.63e-03	-9.08	-4.54
423	145	5.58	6.43	1.97e-03	0.0	0.0	14.74	1.58	1.26	-5.89e-03	5.11	5.58
		4.50	5.11	-1.69e-03	0.0	114.5	15.43	1.58	1.26	-5.89e-03	6.43	4.50
424	1	-1.68e-04	0.01	-1.78e-04	0.0	0.0	-12.64	1.86e-03	0.39	0.0	-1.85	-9.00e-03
		-9.00e-03	-1.85	-1.09e-03	0.0	474.5	-8.88	1.86e-03	0.39	0.0	0.01	-1.68e-04
424	2	-1.90e-04	0.02	-5.66e-04	0.0	0.0	-12.64	0.01	0.69	0.0	-3.28	-0.05
		-0.05	-3.28	-1.93e-03	0.0	474.5	-8.88	0.01	0.69	0.0	0.02	-1.90e-04
424	4	-1.74e-04	0.02	-5.19e-04	0.0	0.0	-9.72	0.01	0.66	0.0	-3.11	-0.05
		-0.05	-3.11	-1.82e-03	0.0	474.5	-6.83	0.01	0.66	0.0	0.02	-1.74e-04
424	6	-2.53e-04	0.02	-4.60e-04	0.0	0.0	-12.64	7.35e-03	0.78	0.0	-3.70	-0.04
		-0.04	-3.70	-2.17e-03	0.0	474.5	-8.88	7.35e-03	0.78	0.0	0.02	-2.53e-04
424	7	1.69e-03	0.01	-1.41e-04	0.0	0.0	-9.72	-4.03e-04	0.54	0.0	-2.53	1.69e-03
		-2.21e-04	-2.53	-1.47e-03	0.0	474.5	-6.83	-4.03e-04	0.54	0.0	0.01	-2.21e-04
424	9	-1.18e-04	6.94e-03	-1.32e-04	0.0	0.0	-9.72	1.51e-03	0.27	0.0	-1.28	-7.26e-03
		-7.26e-03	-1.28	-7.50e-04	0.0	474.5	-6.83	1.51e-03	0.27	0.0	6.94e-03	-1.18e-04
424	10	-1.33e-04	0.01	-3.90e-04	0.0	0.0	-9.72	7.85e-03	0.47	0.0	-2.23	-0.04
		-0.04	-2.23	-1.31e-03	0.0	474.5	-6.83	7.85e-03	0.47	0.0	0.01	-1.33e-04
424	12	-1.75e-04	0.01	-3.19e-04	0.0	0.0	-9.72	5.16e-03	0.53	0.0	-2.51	-0.02
		-0.02	-2.51	-1.47e-03	0.0	474.5	-6.83	5.16e-03	0.53	0.0	0.01	-1.75e-04
424	13	-4.88e-05	2.06e-03	-1.22e-04	0.0	0.0	-9.72	2.68e-03	0.09	0.0	-0.43	-0.01
		-0.01	-0.43	-2.61e-04	0.0	474.5	-6.83	2.68e-03	0.09	0.0	2.06e-03	-4.88e-05
424	14	-5.62e-05	4.30e-03	-2.51e-04	0.0	0.0	-9.72	5.86e-03	0.19	0.0	-0.91	-0.03
		-0.03	-0.91	-5.42e-04	0.0	474.5	-6.83	5.86e-03	0.19	0.0	4.30e-03	-5.62e-05
424	16	-7.63e-05	5.03e-03	-2.03e-04	0.0	0.0	-9.72	4.20e-03	0.21	0.0	-1.00	-0.02
		-0.02	-1.00	-5.93e-04	0.0	474.5	-6.83	4.20e-03	0.21	0.0	5.03e-03	-7.63e-05
424	17	-4.88e-05	2.06e-03	-1.22e-04	0.0	0.0	-9.72	2.68e-03	0.09	0.0	-0.43	-0.01
		-0.01	-0.43	-2.61e-04	0.0	474.5	-6.83	2.68e-03	0.09	0.0	2.06e-03	-4.88e-05
424	18	-5.33e-05	3.40e-03	-1.99e-04	0.0	0.0	-9.72	4.59e-03	0.15	0.0	-0.72	-0.02
		-0.02	-0.72	-4.30e-04	0.0	474.5	-6.83	4.59e-03	0.15	0.0	3.40e-03	-5.33e-05
424	19	13.68	0.80	-1.72e-03	0.0	0.0	-9.73	-2.90	-0.17	0.0	0.80	13.68
		-0.04	-8.89e-03	6.59e-03	0.0	474.5	-6.84	-2.90	-0.17	0.0	-8.89e-03	-0.04
424	22	0.04	0.02	1.57e-03	0.0	0.0	-9.72	2.90	0.47	0.0	-2.23	-13.72

		-13.72	-2.23	-7.45e-03	0.0	474.5	-6.83	2.90	0.47	0.0	0.02	0.04
424	36	-0.05	5.49	-3.37e-03	0.0	0.0	-9.68	0.79	-1.16	0.0	5.49	-3.74
		-3.74	-0.04	0.01	0.0	474.5	-6.78	0.79	-1.16	0.0	-0.04	-0.05
424	37	3.70	0.05	2.97e-03	0.0	0.0	-9.77	-0.78	1.47	0.0	-6.92	3.70
		0.04	-6.92	-0.01	0.0	474.5	-6.88	-0.78	1.47	0.0	0.05	0.04
424	47	8.78	8.36	1.65e-03	0.0	0.0	-9.74	-1.86	-1.77	0.0	8.36	8.78
		0.02	0.05	-6.11e-03	0.0	474.5	-6.85	-1.86	-1.77	0.0	0.05	0.02
424	50	-0.02	-0.05	-2.05e-03	0.0	0.0	-9.71	1.87	2.08	0.0	-9.79	-8.82
		-8.82	-9.79	5.91e-03	0.0	474.5	-6.81	1.87	2.08	0.0	-0.05	-0.02
424	51	9.90	0.39	-1.30e-03	0.0	0.0	-9.73	-2.10	-0.08	0.0	0.39	9.90
		-0.03	-5.43e-03	4.83e-03	0.0	474.5	-6.84	-2.10	-0.08	0.0	-5.43e-03	-0.03
424	54	0.03	0.01	1.14e-03	0.0	0.0	-9.72	2.11	0.39	0.0	-1.82	-9.95
		-9.95	-1.82	-5.69e-03	0.0	474.5	-6.83	2.11	0.39	0.0	0.01	0.03
424	68	-0.03	4.05	-2.66e-03	0.0	0.0	-9.69	0.59	-0.86	0.0	4.05	-2.80
		-2.80	-0.03	8.08e-03	0.0	474.5	-6.80	0.59	-0.86	0.0	-0.03	-0.03
424	69	2.75	0.04	2.27e-03	0.0	0.0	-9.76	-0.58	1.16	0.0	-5.48	2.75
		0.03	-5.48	-8.94e-03	0.0	474.5	-6.87	-0.58	1.16	0.0	0.04	0.03
424	79	6.47	6.50	1.22e-03	0.0	0.0	-9.74	-1.37	-1.38	0.0	6.50	6.47
		0.02	0.04	-4.35e-03	0.0	474.5	-6.85	-1.37	-1.38	0.0	0.04	0.02
424	82	-0.02	-0.04	-1.62e-03	0.0	0.0	-9.71	1.38	1.68	0.0	-7.93	-6.51
		-6.51	-7.93	4.22e-03	0.0	474.5	-6.82	1.38	1.68	0.0	-0.04	-0.02
424	83	8.74	0.26	-1.16e-03	0.0	0.0	-9.73	-1.85	-0.05	0.0	0.26	8.74
		-0.03	-4.37e-03	4.24e-03	0.0	474.5	-6.84	-1.85	-0.05	0.0	-4.37e-03	-0.03
424	86	0.03	0.01	1.00e-03	0.0	0.0	-9.72	1.86	0.36	0.0	-1.69	-8.78
		-8.78	-1.69	-5.10e-03	0.0	474.5	-6.83	1.86	0.36	0.0	0.01	0.03
424	100	-0.03	3.53	-2.40e-03	0.0	0.0	-9.69	0.52	-0.75	0.0	3.53	-2.48
		-2.48	-0.03	7.08e-03	0.0	474.5	-6.80	0.52	-0.75	0.0	-0.03	-0.03
424	101	2.43	0.03	2.00e-03	0.0	0.0	-9.76	-0.52	1.05	0.0	-4.96	2.43
		0.03	-4.96	-7.94e-03	0.0	474.5	-6.87	-0.52	1.05	0.0	0.03	0.03
424	111	5.72	5.70	1.07e-03	0.0	0.0	-9.74	-1.21	-1.21	0.0	5.70	5.72
		0.01	0.04	-3.86e-03	0.0	474.5	-6.85	-1.21	-1.21	0.0	0.04	0.01
424	114	-0.01	-0.03	-1.47e-03	0.0	0.0	-9.71	1.22	1.51	0.0	-7.13	-5.76
		-5.76	-7.13	3.73e-03	0.0	474.5	-6.82	1.22	1.51	0.0	-0.03	-0.01
424	115	16.50	1.15	-2.05e-03	0.0	0.0	-9.73	-3.49	-0.24	0.0	1.15	16.50
		-0.05	-0.01	8.00e-03	0.0	474.5	-6.84	-3.49	-0.24	0.0	-0.01	-0.05
424	118	0.05	0.02	1.90e-03	0.0	0.0	-9.71	3.50	0.55	0.0	-2.58	-16.54
		-16.54	-2.58	-8.86e-03	0.0	474.5	-6.82	3.50	0.55	0.0	0.02	0.05
424	132	-0.05	6.67	-4.04e-03	0.0	0.0	-9.67	0.94	-1.42	0.0	6.67	-4.46
		-4.46	-0.05	0.01	0.0	474.5	-6.78	0.94	-1.42	0.0	-0.05	-0.05
424	133	4.41	0.05	3.64e-03	0.0	0.0	-9.78	-0.93	1.72	0.0	-8.10	4.41
		0.05	-8.10	-0.01	0.0	474.5	-6.89	-0.93	1.72	0.0	0.05	0.05
424	143	10.53	9.75	2.06e-03	0.0	0.0	-9.75	-2.23	-2.07	0.0	9.75	10.53
		0.03	0.06	-7.71e-03	0.0	474.5	-6.86	-2.23	-2.07	0.0	0.06	0.03
424	146	-0.03	-0.06	-2.46e-03	0.0	0.0	-9.70	2.24	2.37	0.0	-11.19	-10.57
		-10.57	-11.19	7.41e-03	0.0	474.5	-6.81	2.24	2.37	0.0	-0.06	-0.03
425	1	5.23e-04	0.01	-3.05e-04	0.0	0.0	-9.79	0.03	0.40	0.0	-1.44	-0.12
		-0.12	-1.44	-1.77e-03	0.0	360.0	-6.94	0.03	0.40	0.0	0.01	5.23e-04
425	2	2.68e-04	0.04	-5.07e-04	0.0	0.0	-9.79	0.05	1.53	0.0	-5.47	-0.18
		-0.18	-5.47	-4.87e-03	0.0	360.0	-6.94	0.05	1.53	0.0	0.04	2.68e-04
425	4	2.52e-04	0.04	-4.68e-04	0.0	0.0	-7.53	0.04	1.43	0.0	-5.11	-0.16
		-0.16	-5.11	-4.56e-03	0.0	360.0	-5.34	0.04	1.43	0.0	0.04	2.52e-04
425	5	7.81e-04	0.02	-4.00e-04	0.0	0.0	-9.79	0.04	0.41	0.0	-1.47	-0.14
		-0.14	-1.47	-2.18e-03	0.0	360.0	-6.94	0.04	0.41	0.0	0.02	7.81e-04
425	6	6.02e-04	0.03	-5.41e-04	0.0	0.0	-9.79	0.05	1.20	0.0	-4.29	-0.19
		-0.19	-4.29	-4.35e-03	0.0	360.0	-6.94	0.05	1.20	0.0	0.03	6.02e-04
425	9	3.69e-04	9.76e-03	-2.19e-04	0.0	0.0	-7.53	0.02	0.31	0.0	-1.09	-0.09
		-0.09	-1.09	-1.28e-03	0.0	360.0	-5.34	0.02	0.31	0.0	9.76e-03	3.69e-04
425	10	1.99e-04	0.03	-3.54e-04	0.0	0.0	-7.53	0.04	1.06	0.0	-3.78	-0.13
		-0.13	-3.78	-3.34e-03	0.0	360.0	-5.34	0.04	1.06	0.0	0.03	1.99e-04
425	11	5.41e-04	0.01	-2.82e-04	0.0	0.0	-7.53	0.03	0.31	0.0	-1.11	-0.10
		-0.10	-1.11	-1.55e-03	0.0	360.0	-5.34	0.03	0.31	0.0	0.01	5.41e-04
425	12	4.22e-04	0.02	-3.77e-04	0.0	0.0	-7.53	0.04	0.84	0.0	-2.99	-0.13
		-0.13	-2.99	-3.00e-03	0.0	360.0	-5.34	0.04	0.84	0.0	0.02	4.22e-04
425	13	1.11e-04	7.19e-03	-1.25e-04	0.0	0.0	-7.53	0.02	0.30	0.0	-1.07	-0.06
		-0.06	-1.07	-8.68e-04	0.0	360.0	-5.34	0.02	0.30	0.0	7.19e-03	1.11e-04
425	14	2.60e-05	0.02	-1.92e-04	0.0	0.0	-7.53	0.02	0.67	0.0	-2.41	-0.08
		-0.08	-2.41	-1.90e-03	0.0	360.0	-5.34	0.02	0.67	0.0	0.02	2.60e-05
425	15	1.97e-04	8.05e-03	-1.56e-04	0.0	0.0	-7.53	0.02	0.30	0.0	-1.08	-0.07
		-0.07	-1.08	-1.00e-03	0.0	360.0	-5.34	0.02	0.30	0.0	8.05e-03	1.97e-04
425	16	1.46e-04	0.01	-1.97e-04	0.0	0.0	-7.53	0.02	0.53	0.0	-1.88	-0.08
		-0.08	-1.88	-1.62e-03	0.0	360.0	-5.34	0.02	0.53	0.0	0.01	1.46e-04
425	17	1.11e-04	7.19e-03	-1.25e-04	0.0	0.0	-7.53	0.02	0.30	0.0	-1.07	-0.06
		-0.06	-1.07	-8.68e-04	0.0	360.0	-5.34	0.02	0.30	0.0	7.19e-03	1.11e-04
425	18	6.00e-05	0.01	-1.65e-04	0.0	0.0	-7.53	0.02	0.52	0.0	-1.87	-0.07
		-0.07	-1.87	-1.49e-03	0.0	360.0	-5.34	0.02	0.52	0.0	0.01	6.00e-05

425	40	-8.07e-03	4.52	-5.31e-03	0.0	0.0	-7.51	0.27	-1.27	0.0	4.52	-0.97
		-0.97	-0.04	7.79e-03	0.0	360.0	-5.32	0.27	-1.27	0.0	-0.04	-8.07e-03
425	41	0.83	0.06	4.98e-03	0.0	0.0	-7.55	-0.23	2.31	0.0	-8.27	0.83
		8.19e-03	-8.27	-0.01	0.0	360.0	-5.36	-0.23	2.31	0.0	0.06	8.19e-03
425	48	0.01	7.11	-5.63e-03	0.0	0.0	-7.51	0.30	-2.00	0.0	7.11	-1.07
		-1.07	-0.07	5.66e-03	0.0	360.0	-5.32	0.30	-2.00	0.0	-0.07	0.01
425	49	0.93	0.09	5.30e-03	0.0	0.0	-7.55	-0.26	3.04	0.0	-10.86	0.93
		-0.01	-10.86	-8.63e-03	0.0	360.0	-5.36	-0.26	3.04	0.0	0.09	-0.01
425	72	-6.01e-03	3.01	-4.03e-03	0.0	0.0	-7.52	0.21	-0.84	0.0	3.01	-0.75
		-0.75	-0.03	5.16e-03	0.0	360.0	-5.32	0.21	-0.84	0.0	-0.03	-6.01e-03
425	73	0.61	0.05	3.70e-03	0.0	0.0	-7.55	-0.17	1.89	0.0	-6.76	0.61
		6.13e-03	-6.76	-8.14e-03	0.0	360.0	-5.36	-0.17	1.89	0.0	0.05	6.13e-03
425	80	8.84e-03	5.24	-4.29e-03	0.0	0.0	-7.52	0.23	-1.47	0.0	5.24	-0.83
		-0.83	-0.05	3.12e-03	0.0	360.0	-5.32	0.23	-1.47	0.0	-0.05	8.84e-03
425	81	0.69	0.08	3.95e-03	0.0	0.0	-7.55	-0.19	2.52	0.0	-8.99	0.69
		-8.72e-03	-8.99	-6.09e-03	0.0	360.0	-5.35	-0.19	2.52	0.0	0.08	-8.72e-03
425	104	-5.31e-03	2.47	-3.60e-03	0.0	0.0	-7.52	0.19	-0.69	0.0	2.47	-0.68
		-0.68	-0.02	4.36e-03	0.0	360.0	-5.32	0.19	-0.69	0.0	-0.02	-5.31e-03
425	105	0.53	0.05	3.27e-03	0.0	0.0	-7.55	-0.15	1.74	0.0	-6.22	0.53
		5.43e-03	-6.22	-7.34e-03	0.0	360.0	-5.35	-0.15	1.74	0.0	0.05	5.43e-03
425	112	7.84e-03	4.45	-3.82e-03	0.0	0.0	-7.52	0.21	-1.25	0.0	4.45	-0.75
		-0.75	-0.05	2.56e-03	0.0	360.0	-5.33	0.21	-1.25	0.0	-0.05	7.84e-03
425	113	0.60	0.07	3.49e-03	0.0	0.0	-7.55	-0.17	2.30	0.0	-8.20	0.60
		-7.72e-03	-8.20	-5.54e-03	0.0	360.0	-5.35	-0.17	2.30	0.0	0.07	-7.72e-03
425	136	-9.63e-03	5.76	-6.36e-03	0.0	0.0	-7.51	0.32	-1.61	0.0	5.76	-1.16
		-1.16	-0.05	9.98e-03	0.0	360.0	-5.31	0.32	-1.61	0.0	-0.05	-9.63e-03
425	137	1.02	0.07	6.03e-03	0.0	0.0	-7.56	-0.28	2.66	0.0	-9.51	1.02
		9.75e-03	-9.51	-0.01	0.0	360.0	-5.36	-0.28	2.66	0.0	0.07	9.75e-03
425	144	0.01	8.55	-6.74e-03	0.0	0.0	-7.51	0.36	-2.40	0.0	8.55	-1.28
		-1.28	-0.08	7.98e-03	0.0	360.0	-5.32	0.36	-2.40	0.0	-0.08	0.01
425	145	1.14	0.11	6.41e-03	0.0	0.0	-7.55	-0.32	3.45	0.0	-12.30	1.14
		-0.01	-12.30	-0.01	0.0	360.0	-5.36	-0.32	3.45	0.0	0.11	-0.01
429	1	-0.04	0.49	3.62e-04	0.0	0.0	-41.33	-0.02	-0.27	0.03	0.49	-0.04
		-0.10	-0.49	3.05e-04	0.0	360.0	-38.16	-0.02	-0.27	0.03	-0.49	-0.10
429	2	-0.06	0.64	5.54e-04	0.0	0.0	-40.58	-0.17	-0.27	-9.73e-03	0.64	-0.06
		-0.69	-0.35	5.06e-04	0.0	360.0	-37.40	-0.17	-0.27	-9.73e-03	-0.35	-0.69
429	4	-5.26e-03	0.57	5.37e-04	0.0	0.0	-29.56	-0.19	-0.23	-9.69e-03	0.57	-5.26e-03
		-0.70	-0.26	4.67e-04	0.0	360.0	-27.11	-0.19	-0.23	-9.69e-03	-0.26	-0.70
429	7	0.22	0.46	5.60e-04	0.0	0.0	-30.20	-0.18	-0.22	0.05	0.46	0.22
		-0.44	-0.33	3.59e-04	0.0	360.0	-27.76	-0.18	-0.22	0.05	-0.33	-0.44
429	8	0.21	0.57	6.94e-04	0.0	0.0	-29.67	-0.29	-0.22	0.02	0.57	0.21
		-0.85	-0.23	5.00e-04	0.0	360.0	-27.23	-0.29	-0.22	0.02	-0.23	-0.85
429	9	7.00e-04	0.38	2.42e-04	0.0	0.0	-31.18	0.02	-0.22	0.02	0.38	-0.07
		-0.07	-0.41	2.19e-04	0.0	360.0	-28.74	0.02	-0.22	0.02	-0.41	7.00e-04
429	10	-0.09	0.48	3.70e-04	0.0	0.0	-30.68	-0.08	-0.22	-7.47e-03	0.48	-0.09
		-0.39	-0.32	3.54e-04	0.0	360.0	-28.24	-0.08	-0.22	-7.47e-03	-0.32	-0.39
429	11	0.06	0.41	3.85e-04	0.0	0.0	-31.11	-0.08	-0.21	0.03	0.41	0.06
		-0.21	-0.36	2.82e-04	0.0	360.0	-28.67	-0.08	-0.21	0.03	-0.36	-0.21
429	12	0.06	0.48	4.75e-04	0.0	0.0	-30.76	-0.15	-0.22	0.01	0.48	0.06
		-0.49	-0.30	3.76e-04	0.0	360.0	-28.31	-0.15	-0.22	0.01	-0.30	-0.49
429	13	0.32	0.34	2.75e-05	0.0	0.0	-31.29	0.17	-0.23	-4.28e-03	0.34	-0.28
		-0.28	-0.48	1.25e-04	0.0	360.0	-28.85	0.17	-0.23	-4.28e-03	-0.48	0.32
429	14	0.13	0.39	9.14e-05	0.0	0.0	-31.04	0.12	-0.23	-0.02	0.39	-0.29
		-0.29	-0.44	1.92e-04	0.0	360.0	-28.60	0.12	-0.23	-0.02	-0.44	0.13
429	17	0.32	0.34	2.75e-05	0.0	0.0	-31.29	0.17	-0.23	-4.28e-03	0.34	-0.28
		-0.28	-0.48	1.25e-04	0.0	360.0	-28.85	0.17	-0.23	-4.28e-03	-0.48	0.32
429	18	0.20	0.37	6.58e-05	0.0	0.0	-31.14	0.14	-0.23	-0.01	0.37	-0.29
		-0.29	-0.45	1.65e-04	0.0	360.0	-28.70	0.14	-0.23	-0.01	-0.45	0.20
429	27	1.11	3.34	2.52e-03	0.0	0.0	-24.86	-0.73	-0.80	0.98	1.31	1.11
		-3.73	1.31	2.75e-03	0.0	360.0	-22.41	-0.73	-0.80	0.98	3.34	-3.73
429	30	4.14	-0.58	-2.39e-03	0.0	0.0	-37.43	1.00	0.34	-1.01	-0.58	-1.68
		-1.68	-4.25	-2.42e-03	0.0	360.0	-34.99	1.00	0.34	-1.01	-4.25	4.14
429	33	4.16	-1.90	-5.81e-03	0.0	0.0	-35.33	1.64	0.75	-0.96	-1.90	-3.62
		-3.62	-3.04	-4.92e-03	0.0	360.0	-32.89	1.64	0.75	-0.96	-3.04	4.16
429	49	3.64	0.55	-7.23e-03	0.0	0.0	-29.47	1.64	0.56	-0.80	-2.30	-4.47
		-4.47	-2.30	-5.29e-03	0.0	360.0	-27.03	1.64	0.56	-0.80	0.55	3.64
429	52	2.02	2.57	4.28e-03	0.0	0.0	-28.49	-0.62	-1.08	0.31	2.57	2.02
		-0.69	-2.92	4.51e-03	0.0	360.0	-26.04	-0.62	-1.08	0.31	-2.92	-0.69
429	59	0.77	2.46	1.88e-03	0.0	0.0	-26.52	-0.50	-0.68	0.74	1.08	0.77
		-2.72	1.08	2.10e-03	0.0	360.0	-24.07	-0.50	-0.68	0.74	2.46	-2.72
429	62	3.13	-0.35	-1.75e-03	0.0	0.0	-35.77	0.78	0.22	-0.77	-0.35	-1.34
		-1.34	-3.37	-1.77e-03	0.0	360.0	-33.33	0.78	0.22	-0.77	-3.37	3.13
429	65	3.14	-1.35	-4.32e-03	0.0	0.0	-34.23	1.27	0.54	-0.73	-1.35	-2.81
		-2.81	-2.43	-3.66e-03	0.0	360.0	-31.79	1.27	0.54	-0.73	-2.43	3.14
429	81	2.85	0.35	-5.41e-03	0.0	0.0	-29.93	1.30	0.40	-0.62	-1.65	-3.45

		-3.45	-1.65	-3.95e-03	0.0	360.0	-27.49	1.30	0.40	-0.62	0.35	2.85
429	84	1.76	2.32	3.80e-03	0.0	0.0	-28.80	-0.53	-0.99	0.27	2.32	1.76
		-0.59	-2.65	4.02e-03	0.0	360.0	-26.35	-0.53	-0.99	0.27	-2.65	-0.59
429	91	0.65	2.14	1.67e-03	0.0	0.0	-27.05	-0.43	-0.63	0.66	1.00	0.65
		-2.39	1.00	1.88e-03	0.0	360.0	-24.61	-0.43	-0.63	0.66	2.14	-2.39
429	94	2.80	-0.27	-1.54e-03	0.0	0.0	-35.24	0.70	0.18	-0.68	-0.27	-1.22
		-1.22	-3.05	-1.55e-03	0.0	360.0	-32.79	0.70	0.18	-0.68	-3.05	2.80
429	97	2.81	-1.16	-3.83e-03	0.0	0.0	-33.88	1.14	0.46	-0.65	-1.16	-2.53
		-2.53	-2.21	-3.22e-03	0.0	360.0	-31.43	1.14	0.46	-0.65	-2.21	2.81
429	113	2.56	0.26	-4.79e-03	0.0	0.0	-30.07	1.17	0.33	-0.55	-1.43	-3.09
		-3.09	-1.43	-3.49e-03	0.0	360.0	-27.63	1.17	0.33	-0.55	0.26	2.56
429	123	1.40	4.02	3.04e-03	0.0	0.0	-23.62	-0.91	-0.89	1.16	1.50	1.40
		-4.50	1.50	3.25e-03	0.0	360.0	-21.18	-0.91	-0.89	1.16	4.02	-4.50
429	126	4.91	-0.77	-2.91e-03	0.0	0.0	-38.66	1.18	0.44	-1.19	-0.77	-1.97
		-1.97	-4.93	-2.92e-03	0.0	360.0	-36.22	1.18	0.44	-1.19	-4.93	4.91
429	129	4.94	-2.37	-7.05e-03	0.0	0.0	-36.14	1.93	0.92	-1.13	-2.37	-4.32
		-4.32	-3.50	-5.93e-03	0.0	360.0	-33.70	1.93	0.92	-1.13	-3.50	4.94
429	145	4.28	0.73	-8.76e-03	0.0	0.0	-29.12	1.93	0.69	-0.94	-2.85	-5.34
		-5.34	-2.85	-6.41e-03	0.0	360.0	-26.68	1.93	0.69	-0.94	0.73	4.28
433	2	0.50	0.25	3.50e-04	0.0	0.0	-38.88	-0.05	-0.11	1.87e-04	0.25	0.50
		0.30	-0.22	2.10e-04	0.0	440.0	-35.39	-0.05	-0.11	1.87e-04	-0.22	0.30
433	3	0.32	0.12	2.07e-04	0.0	0.0	-23.92	-0.05	-0.05	3.79e-04	0.12	0.32
		0.12	-0.11	1.03e-04	0.0	440.0	-21.24	-0.05	-0.05	3.79e-04	-0.11	0.12
433	6	0.64	0.26	4.25e-04	0.0	0.0	-38.79	-0.08	-0.11	5.12e-04	0.26	0.64
		0.30	-0.23	2.28e-04	0.0	440.0	-35.30	-0.08	-0.11	5.12e-04	-0.23	0.30
433	9	0.23	0.10	1.51e-04	0.0	0.0	-26.84	-0.03	-0.05	2.53e-04	0.10	0.23
		0.09	-0.10	8.23e-05	0.0	440.0	-24.16	-0.03	-0.05	2.53e-04	-0.10	0.09
433	10	0.34	0.17	2.38e-04	0.0	0.0	-27.46	-0.03	-0.07	1.19e-04	0.17	0.34
		0.20	-0.16	1.44e-04	0.0	440.0	-24.78	-0.03	-0.07	1.19e-04	-0.16	0.20
433	12	0.43	0.18	2.88e-04	0.0	0.0	-27.40	-0.05	-0.08	3.36e-04	0.18	0.43
		0.21	-0.16	1.56e-04	0.0	440.0	-24.72	-0.05	-0.08	3.36e-04	-0.16	0.21
433	13	0.05	0.06	3.70e-05	0.0	0.0	-26.66	-3.04e-03	-0.03	-1.11e-05	0.06	0.05
		0.04	-0.07	3.73e-05	0.0	440.0	-23.98	-3.04e-03	-0.03	-1.11e-05	-0.07	0.04
433	14	0.10	0.09	8.03e-05	0.0	0.0	-26.97	-2.77e-03	-0.04	-7.84e-05	0.09	0.10
		0.09	-0.10	6.74e-05	0.0	440.0	-24.29	-2.77e-03	-0.04	-7.84e-05	-0.10	0.09
433	16	0.14	0.09	1.01e-04	0.0	0.0	-26.90	-0.01	-0.04	3.67e-05	0.09	0.14
		0.09	-0.10	7.03e-05	0.0	440.0	-24.22	-0.01	-0.04	3.67e-05	-0.10	0.09
433	17	0.05	0.06	3.70e-05	0.0	0.0	-26.66	-3.04e-03	-0.03	-1.11e-05	0.06	0.05
		0.04	-0.07	3.73e-05	0.0	440.0	-23.98	-3.04e-03	-0.03	-1.11e-05	-0.07	0.04
433	18	0.08	0.08	6.30e-05	0.0	0.0	-26.84	-2.88e-03	-0.04	-5.15e-05	0.08	0.08
		0.07	-0.09	5.53e-05	0.0	440.0	-24.16	-2.88e-03	-0.04	-5.15e-05	-0.09	0.07
433	24	9.15	3.78	5.25e-03	0.0	0.0	-35.06	-1.85	-1.45	-0.01	3.78	9.15
		0.77	-2.62	3.80e-03	0.0	440.0	-32.38	-1.85	-1.45	-0.01	-2.62	0.77
433	25	-0.63	2.45	-5.13e-03	0.0	0.0	-18.62	1.85	1.38	0.01	-3.63	-8.99
		-8.99	-3.63	-3.69e-03	0.0	440.0	-15.94	1.85	1.38	0.01	2.45	-0.63
433	44	10.86	3.38	6.28e-03	0.0	0.0	-35.15	-2.14	-1.29	-0.02	3.38	10.86
		-1.25	-2.32	3.41e-03	0.0	440.0	-32.47	-2.14	-1.29	-0.02	-2.32	-1.25
433	45	1.39	2.15	-6.16e-03	0.0	0.0	-18.53	2.14	1.22	0.02	-3.22	-10.69
		-10.69	-3.22	-3.30e-03	0.0	440.0	-15.85	2.14	1.22	0.02	2.15	1.39
433	56	6.91	2.83	3.97e-03	0.0	0.0	-32.99	-1.40	-1.09	-0.01	2.83	6.91
		0.61	-1.96	2.83e-03	0.0	440.0	-30.31	-1.40	-1.09	-0.01	-1.96	0.61
433	57	-0.47	1.79	-3.84e-03	0.0	0.0	-20.70	1.40	1.01	0.01	-2.67	-6.75
		-6.75	-2.67	-2.72e-03	0.0	440.0	-18.02	1.40	1.01	0.01	1.79	-0.47
433	76	8.21	2.56	4.75e-03	0.0	0.0	-33.11	-1.62	-0.98	-0.01	2.56	8.21
		-0.94	-1.76	2.58e-03	0.0	440.0	-30.43	-1.62	-0.98	-0.01	-1.76	-0.94
433	77	1.08	1.59	-4.62e-03	0.0	0.0	-20.58	1.62	0.91	0.01	-2.40	-8.04
		-8.04	-2.40	-2.46e-03	0.0	440.0	-17.90	1.62	0.91	0.01	1.59	1.08
433	88	6.15	2.51	3.53e-03	0.0	0.0	-32.29	-1.24	-0.97	-9.76e-03	2.51	6.15
		0.55	-1.75	2.52e-03	0.0	440.0	-29.61	-1.24	-0.97	-9.76e-03	-1.75	0.55
433	89	-0.41	1.58	-3.40e-03	0.0	0.0	-21.39	1.24	0.89	9.65e-03	-2.36	-5.98
		-5.98	-2.36	-2.41e-03	0.0	440.0	-18.71	1.24	0.89	9.65e-03	1.58	-0.41
433	108	7.29	2.28	4.22e-03	0.0	0.0	-32.41	-1.44	-0.87	-0.01	2.28	7.29
		-0.83	-1.57	2.29e-03	0.0	440.0	-29.72	-1.44	-0.87	-0.01	-1.57	-0.83
433	109	0.97	1.40	-4.10e-03	0.0	0.0	-21.28	1.44	0.80	0.01	-2.12	-7.13
		-7.13	-2.12	-2.18e-03	0.0	440.0	-18.60	1.44	0.80	0.01	1.40	0.97
433	120	10.98	4.53	6.31e-03	0.0	0.0	-36.74	-2.21	-1.74	-0.02	4.53	10.98
		0.91	-3.13	4.56e-03	0.0	440.0	-34.06	-2.21	-1.74	-0.02	-3.13	0.91
433	121	-0.77	2.96	-6.18e-03	0.0	0.0	-16.94	2.21	1.67	0.02	-4.38	-10.81
		-10.81	-4.38	-4.45e-03	0.0	440.0	-14.26	2.21	1.67	0.02	2.96	-0.77
433	140	13.07	4.05	7.57e-03	0.0	0.0	-36.86	-2.57	-1.55	-0.02	4.05	13.07
		-1.51	-2.77	4.09e-03	0.0	440.0	-34.18	-2.57	-1.55	-0.02	-2.77	-1.51
433	141	1.65	2.60	-7.44e-03	0.0	0.0	-16.82	2.57	1.48	0.02	-3.89	-12.91
		-12.91	-3.89	-3.98e-03	0.0	440.0	-14.14	2.57	1.48	0.02	2.60	1.65
434	2	0.30	0.63	6.24e-04	0.0	0.0	-26.20	-0.10	-0.36	1.15e-03	0.63	0.30
		-0.06	-0.65	3.60e-04	0.0	360.0	-23.35	-0.10	-0.36	1.15e-03	-0.65	-0.06

434	3	0.12	0.33	3.36e-04	0.0	0.0	-16.04	-0.04	-0.19	4.90e-04	0.33	0.12
		-7.49e-03	-0.35	1.83e-04	0.0	360.0	-13.84	-0.04	-0.19	4.90e-04	-0.35	-7.49e-03
434	6	0.30	0.65	7.26e-04	0.0	0.0	-26.14	-0.09	-0.36	1.20e-03	0.65	0.30
		-0.04	-0.66	3.87e-04	0.0	360.0	-23.29	-0.09	-0.36	1.20e-03	-0.66	-0.04
434	9	0.09	0.29	2.48e-04	0.0	0.0	-18.00	-0.03	-0.17	3.97e-04	0.29	0.09
		-0.01	-0.31	1.49e-04	0.0	360.0	-15.81	-0.03	-0.17	3.97e-04	-0.31	-0.01
434	10	0.20	0.44	4.24e-04	0.0	0.0	-18.49	-0.07	-0.25	7.76e-04	0.44	0.20
		-0.04	-0.46	2.49e-04	0.0	360.0	-16.29	-0.07	-0.25	7.76e-04	-0.46	-0.04
434	12	0.21	0.45	4.92e-04	0.0	0.0	-18.44	-0.06	-0.26	8.12e-04	0.45	0.21
		-0.03	-0.47	2.67e-04	0.0	360.0	-16.25	-0.06	-0.26	8.12e-04	-0.47	-0.03
434	13	0.04	0.21	6.66e-05	0.0	0.0	-17.85	-0.02	-0.12	1.72e-04	0.21	0.04
		-0.02	-0.23	7.80e-05	0.0	360.0	-15.66	-0.02	-0.12	1.72e-04	-0.23	-0.02
434	14	0.09	0.28	1.55e-04	0.0	0.0	-18.09	-0.04	-0.16	3.62e-04	0.28	0.09
		-0.04	-0.31	1.28e-04	0.0	360.0	-15.90	-0.04	-0.16	3.62e-04	-0.31	-0.04
434	17	0.04	0.21	6.66e-05	0.0	0.0	-17.85	-0.02	-0.12	1.72e-04	0.21	0.04
		-0.02	-0.23	7.80e-05	0.0	360.0	-15.66	-0.02	-0.12	1.72e-04	-0.23	-0.02
434	18	0.07	0.25	1.19e-04	0.0	0.0	-18.00	-0.03	-0.15	2.86e-04	0.25	0.07
		-0.03	-0.28	1.08e-04	0.0	360.0	-15.80	-0.03	-0.15	2.86e-04	-0.28	-0.03
434	24	0.77	5.95	6.99e-03	0.0	0.0	-24.69	-0.89	-3.27	-0.02	5.95	0.77
		-2.31	-5.84	5.30e-03	0.0	360.0	-22.50	-0.89	-3.27	-0.02	-5.84	-2.31
434	44	-1.26	5.66	8.49e-03	0.0	0.0	-24.81	-1.09	-3.11	-0.02	5.66	-1.26
		-2.46	-5.52	4.98e-03	0.0	360.0	-22.62	-1.09	-3.11	-0.02	-5.52	-2.46
434	45	2.39	4.97	-8.25e-03	0.0	0.0	-11.18	1.03	2.81	0.02	-5.15	1.40
		1.40	-5.15	-4.76e-03	0.0	360.0	-8.99	1.03	2.81	0.02	4.97	2.39
434	56	0.61	4.50	5.28e-03	0.0	0.0	-23.00	-0.68	-2.48	-0.01	4.50	0.61
		-1.78	-4.42	3.97e-03	0.0	360.0	-20.81	-0.68	-2.48	-0.01	-4.42	-1.78
434	76	-0.95	4.32	6.42e-03	0.0	0.0	-23.14	-0.83	-2.37	-0.01	4.32	-0.95
		-1.89	-4.22	3.77e-03	0.0	360.0	-20.95	-0.83	-2.37	-0.01	-4.22	-1.89
434	77	1.83	3.67	-6.18e-03	0.0	0.0	-12.86	0.78	2.08	0.01	-3.81	1.09
		1.09	-3.81	-3.55e-03	0.0	360.0	-10.66	0.78	2.08	0.01	3.67	1.83
434	88	0.55	4.01	4.70e-03	0.0	0.0	-22.44	-0.61	-2.21	-0.01	4.01	0.55
		-1.58	-3.94	3.53e-03	0.0	360.0	-20.24	-0.61	-2.21	-0.01	-3.94	-1.58
434	108	-0.84	3.86	5.71e-03	0.0	0.0	-22.56	-0.74	-2.12	-0.01	3.86	-0.84
		-1.69	-3.78	3.35e-03	0.0	360.0	-20.37	-0.74	-2.12	-0.01	-3.78	-1.69
434	109	1.62	3.22	-5.47e-03	0.0	0.0	-13.43	0.69	1.83	0.01	-3.35	0.98
		0.98	-3.35	-3.14e-03	0.0	360.0	-11.24	0.69	1.83	0.01	3.22	1.62
434	120	0.91	7.12	8.41e-03	0.0	0.0	-26.06	-1.07	-3.91	-0.02	7.12	0.91
		-2.72	-6.97	6.36e-03	0.0	360.0	-23.87	-1.07	-3.91	-0.02	-6.97	-2.72
434	140	-1.52	6.77	0.01	0.0	0.0	-26.22	-1.30	-3.71	-0.02	6.77	-1.52
		-2.92	-6.60	5.97e-03	0.0	360.0	-24.03	-1.30	-3.71	-0.02	-6.60	-2.92
434	141	2.85	6.04	-0.01	0.0	0.0	-9.78	1.25	3.42	0.02	-6.26	1.66
		1.66	-6.26	-5.76e-03	0.0	360.0	-7.58	1.25	3.42	0.02	6.04	2.85
435	2	0.0	0.48	6.35e-04	0.0	0.0	-13.77	0.02	-0.13	0.0	0.48	-0.06
		-0.06	0.0	5.05e-04	0.0	360.0	-10.92	0.02	-0.13	0.0	0.0	0.0
435	3	0.0	0.26	3.52e-04	0.0	0.0	-8.39	2.03e-03	-0.07	0.0	0.26	-7.29e-03
		-7.29e-03	0.0	2.65e-04	0.0	360.0	-6.19	2.03e-03	-0.07	0.0	0.0	0.0
435	6	0.0	0.49	7.56e-04	0.0	0.0	-13.75	9.76e-03	-0.14	0.0	0.49	-0.04
		-0.04	0.0	5.39e-04	0.0	360.0	-10.90	9.76e-03	-0.14	0.0	0.0	0.0
435	7	4.06e-03	0.32	5.52e-04	0.0	0.0	-8.50	-1.13e-03	-0.09	0.0	0.32	4.06e-03
		0.0	0.0	3.59e-04	0.0	360.0	-6.31	-1.13e-03	-0.09	0.0	0.0	0.0
435	9	0.0	0.23	2.55e-04	0.0	0.0	-9.40	3.63e-03	-0.06	0.0	0.23	-0.01
		-0.01	0.0	2.19e-04	0.0	360.0	-7.20	3.63e-03	-0.06	0.0	0.0	0.0
435	10	0.0	0.34	4.29e-04	0.0	0.0	-9.71	0.01	-0.09	0.0	0.34	-0.04
		-0.04	0.0	3.53e-04	0.0	360.0	-7.51	0.01	-0.09	0.0	0.0	0.0
435	11	0.0	0.27	3.88e-04	0.0	0.0	-9.48	1.53e-03	-0.08	0.0	0.27	-5.50e-03
		-5.50e-03	0.0	2.82e-04	0.0	360.0	-7.28	1.53e-03	-0.08	0.0	0.0	0.0
435	12	0.0	0.35	5.10e-04	0.0	0.0	-9.69	7.40e-03	-0.10	0.0	0.35	-0.03
		-0.03	0.0	3.75e-04	0.0	360.0	-7.50	7.40e-03	-0.10	0.0	0.0	0.0
435	13	0.0	0.17	5.56e-05	0.0	0.0	-9.28	6.79e-03	-0.05	0.0	0.17	-0.02
		-0.02	0.0	1.25e-04	0.0	360.0	-7.09	6.79e-03	-0.05	0.0	0.0	0.0
435	14	0.0	0.23	1.43e-04	0.0	0.0	-9.44	0.01	-0.06	0.0	0.23	-0.04
		-0.04	0.0	1.92e-04	0.0	360.0	-7.24	0.01	-0.06	0.0	0.0	0.0
435	15	0.0	0.19	1.22e-04	0.0	0.0	-9.32	5.73e-03	-0.05	0.0	0.19	-0.02
		-0.02	0.0	1.57e-04	0.0	360.0	-7.13	5.73e-03	-0.05	0.0	0.0	0.0
435	16	0.0	0.23	1.74e-04	0.0	0.0	-9.41	8.25e-03	-0.06	0.0	0.23	-0.03
		-0.03	0.0	1.97e-04	0.0	360.0	-7.22	8.25e-03	-0.06	0.0	0.0	0.0
435	17	0.0	0.17	5.56e-05	0.0	0.0	-9.28	6.79e-03	-0.05	0.0	0.17	-0.02
		-0.02	0.0	1.25e-04	0.0	360.0	-7.09	6.79e-03	-0.05	0.0	0.0	0.0
435	18	0.0	0.21	1.08e-04	0.0	0.0	-9.37	9.30e-03	-0.06	0.0	0.21	-0.03
		-0.03	0.0	1.66e-04	0.0	360.0	-7.18	9.30e-03	-0.06	0.0	0.0	0.0
435	24	0.0	3.64	6.02e-03	0.0	0.0	-14.55	0.64	-1.01	0.0	3.64	-2.30
		-2.30	0.0	6.09e-03	0.0	360.0	-12.35	0.64	-1.01	0.0	0.0	0.0
435	25	2.23	0.0	-5.80e-03	0.0	0.0	-4.20	-0.62	0.90	0.0	-3.23	2.23
		0.0	-3.23	-5.76e-03	0.0	360.0	-2.01	-0.62	0.90	0.0	0.0	0.0
435	44	0.0	3.57	7.38e-03	0.0	0.0	-14.60	0.68	-0.99	0.0	3.57	-2.45

		-2.45	0.0	5.87e-03	0.0	360.0	-12.41	0.68	-0.99	0.0	0.0	0.0
435	45	2.38	0.0	-7.17e-03	0.0	0.0	-4.14	-0.66	0.88	0.0	-3.15	2.38
		0.0	-3.15	-5.54e-03	0.0	360.0	-1.95	-0.66	0.88	0.0	0.0	0.0
435	56	0.0	2.77	4.55e-03	0.0	0.0	-13.24	0.49	-0.77	0.0	2.77	-1.77
		-1.77	0.0	4.58e-03	0.0	360.0	-11.05	0.49	-0.77	0.0	0.0	0.0
435	57	1.70	0.0	-4.33e-03	0.0	0.0	-5.50	-0.47	0.65	0.0	-2.35	1.70
		0.0	-2.35	-4.25e-03	0.0	360.0	-3.31	-0.47	0.65	0.0	0.0	0.0
435	76	0.0	2.73	5.58e-03	0.0	0.0	-13.32	0.52	-0.76	0.0	2.73	-1.88
		-1.88	0.0	4.45e-03	0.0	360.0	-11.13	0.52	-0.76	0.0	0.0	0.0
435	77	1.82	0.0	-5.37e-03	0.0	0.0	-5.43	-0.50	0.65	0.0	-2.32	1.82
		0.0	-2.32	-4.12e-03	0.0	360.0	-3.24	-0.50	0.65	0.0	0.0	0.0
435	88	0.0	2.48	4.04e-03	0.0	0.0	-12.81	0.44	-0.69	0.0	2.48	-1.58
		-1.58	0.0	4.08e-03	0.0	360.0	-10.61	0.44	-0.69	0.0	0.0	0.0
435	89	1.51	0.0	-3.83e-03	0.0	0.0	-5.94	-0.42	0.57	0.0	-2.06	1.51
		0.0	-2.06	-3.74e-03	0.0	360.0	-3.75	-0.42	0.57	0.0	0.0	0.0
435	108	0.0	2.45	4.97e-03	0.0	0.0	-12.88	0.47	-0.68	0.0	2.45	-1.68
		-1.68	0.0	3.97e-03	0.0	360.0	-10.68	0.47	-0.68	0.0	0.0	0.0
435	109	1.61	0.0	-4.75e-03	0.0	0.0	-5.87	-0.45	0.57	0.0	-2.04	1.61
		0.0	-2.04	-3.64e-03	0.0	360.0	-3.68	-0.45	0.57	0.0	0.0	0.0
435	120	0.0	4.34	7.26e-03	0.0	0.0	-15.60	0.75	-1.21	0.0	4.34	-2.71
		-2.71	0.0	7.30e-03	0.0	360.0	-13.41	0.75	-1.21	0.0	0.0	0.0
435	121	2.64	0.0	-7.04e-03	0.0	0.0	-3.15	-0.73	1.09	0.0	-3.93	2.64
		0.0	-3.93	-6.97e-03	0.0	360.0	-0.96	-0.73	1.09	0.0	0.0	0.0
435	140	0.0	4.26	8.91e-03	0.0	0.0	-15.67	0.81	-1.18	0.0	4.26	-2.90
		-2.90	0.0	7.04e-03	0.0	360.0	-13.48	0.81	-1.18	0.0	0.0	0.0
435	141	2.84	0.0	-8.70e-03	0.0	0.0	-3.07	-0.79	1.07	0.0	-3.84	2.84
		0.0	-3.84	-6.71e-03	0.0	360.0	-0.88	-0.79	1.07	0.0	0.0	0.0
436	1	0.25	0.11	1.67e-04	0.0	0.0	-33.79	-0.03	-0.04	3.06e-04	0.11	0.25
		0.13	-0.07	1.18e-04	0.0	440.0	-30.30	-0.03	-0.04	3.06e-04	-0.07	0.13
436	3	0.23	0.10	1.57e-04	0.0	0.0	-20.88	-0.03	-0.03	2.80e-04	0.10	0.23
		0.12	-0.06	1.03e-04	0.0	440.0	-18.20	-0.03	-0.03	2.80e-04	-0.06	0.12
436	6	0.51	0.22	3.45e-04	0.0	0.0	-33.27	-0.06	-0.08	4.74e-04	0.22	0.51
		0.25	-0.13	2.28e-04	0.0	440.0	-29.79	-0.06	-0.08	4.74e-04	-0.13	0.25
436	8	0.50	0.20	3.35e-04	0.0	0.0	-20.37	-0.06	-0.07	4.49e-04	0.20	0.50
		0.25	-0.12	2.13e-04	0.0	440.0	-17.69	-0.06	-0.07	4.49e-04	-0.12	0.25
436	9	0.17	0.08	1.16e-04	0.0	0.0	-23.82	-0.02	-0.03	2.02e-04	0.08	0.17
		0.09	-0.04	8.22e-05	0.0	440.0	-21.14	-0.02	-0.03	2.02e-04	-0.04	0.09
436	12	0.35	0.15	2.34e-04	0.0	0.0	-23.48	-0.04	-0.05	3.14e-04	0.15	0.35
		0.17	-0.09	1.56e-04	0.0	440.0	-20.80	-0.04	-0.05	3.14e-04	-0.09	0.17
436	13	0.05	0.03	3.32e-05	0.0	0.0	-23.98	-6.04e-03	-0.01	2.89e-05	0.03	0.05
		0.02	-0.02	3.65e-05	0.0	440.0	-21.30	-6.04e-03	-0.01	2.89e-05	-0.02	0.02
436	14	0.12	0.06	7.87e-05	0.0	0.0	-23.81	-0.01	-0.02	2.67e-05	0.06	0.12
		0.05	-0.03	6.72e-05	0.0	440.0	-21.13	-0.01	-0.02	2.67e-05	-0.03	0.05
436	16	0.13	0.06	8.80e-05	0.0	0.0	-23.82	-0.02	-0.02	8.53e-05	0.06	0.13
		0.06	-0.04	7.02e-05	0.0	440.0	-21.14	-0.02	-0.02	8.53e-05	-0.04	0.06
436	17	0.05	0.03	3.32e-05	0.0	0.0	-23.98	-6.04e-03	-0.01	2.89e-05	0.03	0.05
		0.02	-0.02	3.65e-05	0.0	440.0	-21.30	-6.04e-03	-0.01	2.89e-05	-0.02	0.02
436	18	0.09	0.05	6.05e-05	0.0	0.0	-23.88	-0.01	-0.02	2.76e-05	0.05	0.09
		0.04	-0.03	5.49e-05	0.0	440.0	-21.20	-0.01	-0.02	2.76e-05	-0.03	0.04
436	24	12.52	3.74	6.95e-03	0.0	0.0	-16.44	-2.72	-1.42	-7.42e-03	3.74	12.52
		0.80	-2.53	3.79e-03	0.0	440.0	-13.75	-2.72	-1.42	-7.42e-03	-2.53	0.80
436	25	-0.72	2.48	-6.83e-03	0.0	0.0	-31.32	2.70	1.39	7.47e-03	-3.64	-12.33
		-12.33	-3.64	-3.68e-03	0.0	440.0	-28.64	2.70	1.39	7.47e-03	2.48	-0.72
436	44	14.31	3.33	8.03e-03	0.0	0.0	-16.28	-3.04	-1.26	-7.24e-03	3.33	14.31
		-1.51	-2.22	3.41e-03	0.0	440.0	-13.59	-3.04	-1.26	-7.24e-03	-2.22	-1.51
436	45	1.59	2.16	-7.91e-03	0.0	0.0	-31.48	3.02	1.23	7.29e-03	-3.23	-14.13
		-14.13	-3.23	-3.30e-03	0.0	440.0	-28.80	3.02	1.23	7.29e-03	2.16	1.59
436	48	14.33	3.10	8.04e-03	0.0	0.0	-16.34	-3.05	-1.17	-7.66e-03	3.10	14.33
		-1.50	-2.06	3.18e-03	0.0	440.0	-13.66	-3.05	-1.17	-7.66e-03	-2.06	-1.50
436	49	1.59	2.00	-7.92e-03	0.0	0.0	-31.41	3.03	1.14	7.72e-03	-3.00	-14.15
		-14.15	-3.00	-3.07e-03	0.0	440.0	-28.73	3.03	1.14	7.72e-03	2.00	1.59
436	56	9.45	2.79	5.25e-03	0.0	0.0	-18.30	-2.06	-1.06	-5.67e-03	2.79	9.45
		0.62	-1.89	2.83e-03	0.0	440.0	-15.62	-2.06	-1.06	-5.67e-03	-1.89	0.62
436	57	-0.53	1.83	-5.13e-03	0.0	0.0	-29.45	2.04	1.03	5.73e-03	-2.69	-9.27
		-9.27	-2.69	-2.72e-03	0.0	440.0	-26.77	2.04	1.03	5.73e-03	1.83	-0.53
436	76	10.83	2.51	6.07e-03	0.0	0.0	-18.14	-2.31	-0.95	-5.55e-03	2.51	10.83
		-1.17	-1.67	2.57e-03	0.0	440.0	-15.46	-2.31	-0.95	-5.55e-03	-1.67	-1.17
436	77	1.25	1.62	-5.95e-03	0.0	0.0	-29.62	2.29	0.92	5.60e-03	-2.41	-10.64
		-10.64	-2.41	-2.46e-03	0.0	440.0	-26.94	2.29	0.92	5.60e-03	1.62	1.25
436	80	10.84	2.35	6.08e-03	0.0	0.0	-18.18	-2.32	-0.89	-5.86e-03	2.35	10.84
		-1.16	-1.56	2.41e-03	0.0	440.0	-15.50	-2.32	-0.89	-5.86e-03	-1.56	-1.16
436	81	1.25	1.50	-5.96e-03	0.0	0.0	-29.58	2.29	0.85	5.92e-03	-2.25	-10.66
		-10.66	-2.25	-2.30e-03	0.0	440.0	-26.90	2.29	0.85	5.92e-03	1.50	1.25
436	88	8.40	2.47	4.67e-03	0.0	0.0	-18.93	-1.83	-0.94	-5.04e-03	2.47	8.40
		0.55	-1.67	2.51e-03	0.0	440.0	-16.25	-1.83	-0.94	-5.04e-03	-1.67	0.55

436	89	-0.47	1.62	-4.54e-03	0.0	0.0	-28.82	1.81	0.91	5.10e-03	-2.38	-8.22
		-8.22	-2.38	-2.40e-03	0.0	440.0	-26.14	1.81	0.91	5.10e-03	1.62	-0.47
436	108	9.62	2.23	5.40e-03	0.0	0.0	-18.78	-2.05	-0.85	-4.93e-03	2.23	9.62
		-1.03	-1.49	2.29e-03	0.0	440.0	-16.10	-2.05	-0.85	-4.93e-03	-1.49	-1.03
436	109	1.12	1.43	-5.28e-03	0.0	0.0	-28.97	2.03	0.81	4.98e-03	-2.13	-9.44
		-9.44	-2.13	-2.18e-03	0.0	440.0	-26.29	2.03	0.81	4.98e-03	1.43	1.12
436	112	9.63	2.09	5.40e-03	0.0	0.0	-18.82	-2.06	-0.79	-5.21e-03	2.09	9.63
		-1.03	-1.39	2.15e-03	0.0	440.0	-16.14	-2.06	-0.79	-5.21e-03	-1.39	-1.03
436	113	1.11	1.33	-5.28e-03	0.0	0.0	-28.94	2.03	0.76	5.26e-03	-1.99	-9.45
		-9.45	-1.99	-2.04e-03	0.0	440.0	-26.26	2.03	0.76	5.26e-03	1.33	1.11
436	120	14.98	4.48	8.33e-03	0.0	0.0	-14.92	-3.24	-1.71	-8.77e-03	4.48	14.98
		0.94	-3.04	4.55e-03	0.0	440.0	-12.24	-3.24	-1.71	-8.77e-03	-3.04	0.94
436	121	-0.86	2.99	-8.21e-03	0.0	0.0	-32.83	3.22	1.67	8.83e-03	-4.38	-14.79
		-14.79	-4.38	-4.44e-03	0.0	440.0	-30.15	3.22	1.67	8.83e-03	2.99	-0.86
436	140	17.19	3.99	9.66e-03	0.0	0.0	-14.72	-3.64	-1.51	-8.57e-03	3.99	17.19
		-1.79	-2.66	4.09e-03	0.0	440.0	-12.04	-3.64	-1.51	-8.57e-03	-2.66	-1.79
436	141	1.88	2.61	-9.54e-03	0.0	0.0	-33.04	3.62	1.48	8.63e-03	-3.89	-17.01
		-17.01	-3.89	-3.98e-03	0.0	440.0	-30.36	3.62	1.48	8.63e-03	2.61	1.88
436	144	17.22	3.71	9.67e-03	0.0	0.0	-14.81	-3.65	-1.40	-9.06e-03	3.71	17.22
		-1.79	-2.46	3.81e-03	0.0	440.0	-12.13	-3.65	-1.40	-9.06e-03	-2.46	-1.79
436	145	1.87	2.41	-9.55e-03	0.0	0.0	-32.94	3.63	1.37	9.12e-03	-3.62	-17.04
		-17.04	-3.62	-3.70e-03	0.0	440.0	-30.26	3.63	1.37	9.12e-03	2.41	1.87
437	1	0.13	0.23	3.01e-04	0.0	0.0	-21.80	-0.02	-0.12	4.38e-04	0.23	0.13
		0.05	-0.21	2.09e-04	0.0	360.0	-18.95	-0.02	-0.12	4.38e-04	-0.21	0.05
437	3	0.12	0.20	2.83e-04	0.0	0.0	-13.36	-0.02	-0.11	4.00e-04	0.20	0.12
		0.05	-0.18	1.83e-04	0.0	360.0	-11.17	-0.02	-0.11	4.00e-04	-0.18	0.05
437	6	0.25	0.42	6.17e-04	0.0	0.0	-21.28	-0.04	-0.23	7.70e-04	0.42	0.25
		0.10	-0.40	3.87e-04	0.0	360.0	-18.43	-0.04	-0.23	7.70e-04	-0.40	0.10
437	8	0.24	0.40	5.99e-04	0.0	0.0	-12.84	-0.04	-0.21	7.33e-04	0.40	0.24
		0.10	-0.37	3.61e-04	0.0	360.0	-10.65	-0.04	-0.21	7.33e-04	-0.37	0.10
437	9	0.09	0.16	2.09e-04	0.0	0.0	-15.34	-0.01	-0.08	2.83e-04	0.16	0.09
		0.04	-0.15	1.48e-04	0.0	360.0	-13.14	-0.01	-0.08	2.83e-04	-0.15	0.04
437	12	0.17	0.29	4.19e-04	0.0	0.0	-14.99	-0.03	-0.16	5.05e-04	0.29	0.17
		0.07	-0.27	2.67e-04	0.0	360.0	-12.80	-0.03	-0.16	5.05e-04	-0.27	0.07
437	13	0.02	0.08	5.94e-05	0.0	0.0	-15.50	-2.46e-03	-0.04	1.55e-05	0.08	0.02
		0.01	-0.07	7.65e-05	0.0	360.0	-13.31	-2.46e-03	-0.04	1.55e-05	-0.07	0.01
437	14	0.05	0.14	1.38e-04	0.0	0.0	-15.34	-7.11e-03	-0.07	4.65e-05	0.14	0.05
		0.03	-0.12	1.27e-04	0.0	360.0	-13.14	-7.11e-03	-0.07	4.65e-05	-0.12	0.03
437	16	0.06	0.14	1.57e-04	0.0	0.0	-15.35	-9.07e-03	-0.07	1.23e-04	0.14	0.06
		0.03	-0.13	1.31e-04	0.0	360.0	-13.15	-9.07e-03	-0.07	1.23e-04	-0.13	0.03
437	17	0.02	0.08	5.94e-05	0.0	0.0	-15.50	-2.46e-03	-0.04	1.55e-05	0.08	0.02
		0.01	-0.07	7.65e-05	0.0	360.0	-13.31	-2.46e-03	-0.04	1.55e-05	-0.07	0.01
437	18	0.04	0.11	1.07e-04	0.0	0.0	-15.40	-5.25e-03	-0.06	3.41e-05	0.11	0.04
		0.02	-0.10	1.07e-04	0.0	360.0	-13.21	-5.25e-03	-0.06	3.41e-05	-0.10	0.02
437	24	0.80	5.81	8.39e-03	0.0	0.0	-7.41	-1.45	-3.19	-6.87e-03	5.81	0.80
		-4.65	-5.70	5.30e-03	0.0	360.0	-5.21	-1.45	-3.19	-6.87e-03	-5.70	-4.65
437	44	-1.52	5.48	9.97e-03	0.0	0.0	-7.32	-1.67	-3.00	-7.29e-03	5.48	-1.52
		-4.91	-5.33	4.98e-03	0.0	360.0	-5.13	-1.67	-3.00	-7.29e-03	-5.33	-4.91
437	45	4.96	5.13	-9.75e-03	0.0	0.0	-23.48	1.66	2.88	7.36e-03	-5.25	1.60
		1.60	-5.25	-4.76e-03	0.0	360.0	-21.29	1.66	2.88	7.36e-03	5.13	4.96
437	48	-1.51	5.19	9.95e-03	0.0	0.0	-7.42	-1.67	-2.84	-8.10e-03	5.19	-1.51
		-4.95	-5.04	4.71e-03	0.0	360.0	-5.23	-1.67	-2.84	-8.10e-03	-5.04	-4.95
437	49	4.99	4.83	-9.74e-03	0.0	0.0	-23.39	1.66	2.72	8.17e-03	-4.96	1.59
		1.59	-4.96	-4.49e-03	0.0	360.0	-21.19	1.66	2.72	8.17e-03	4.83	4.99
437	56	0.62	4.35	6.34e-03	0.0	0.0	-9.42	-1.10	-2.39	-5.22e-03	4.35	0.62
		-3.51	-4.26	3.97e-03	0.0	360.0	-7.23	-1.10	-2.39	-5.22e-03	-4.26	-3.51
437	76	-1.17	4.15	7.54e-03	0.0	0.0	-9.31	-1.27	-2.27	-5.54e-03	4.15	-1.17
		-3.72	-4.03	3.77e-03	0.0	360.0	-7.11	-1.27	-2.27	-5.54e-03	-4.03	-3.72
437	77	3.77	3.83	-7.32e-03	0.0	0.0	-21.50	1.26	2.15	5.60e-03	-3.92	1.25
		1.25	-3.92	-3.55e-03	0.0	360.0	-19.31	1.26	2.15	5.60e-03	3.83	3.77
437	80	-1.17	3.94	7.53e-03	0.0	0.0	-9.37	-1.27	-2.16	-6.14e-03	3.94	-1.17
		-3.75	-3.82	3.58e-03	0.0	360.0	-7.17	-1.27	-2.16	-6.14e-03	-3.82	-3.75
437	81	3.79	3.62	-7.31e-03	0.0	0.0	-21.44	1.26	2.04	6.21e-03	-3.71	1.25
		1.25	-3.71	-3.36e-03	0.0	360.0	-19.25	1.26	2.04	6.21e-03	3.62	3.79
437	88	0.55	3.87	5.63e-03	0.0	0.0	-10.10	-0.97	-2.13	-4.63e-03	3.87	0.55
		-3.12	-3.79	3.53e-03	0.0	360.0	-7.90	-0.97	-2.13	-4.63e-03	-3.79	-3.12
437	108	-1.04	3.69	6.70e-03	0.0	0.0	-9.99	-1.13	-2.02	-4.92e-03	3.69	-1.04
		-3.30	-3.59	3.35e-03	0.0	360.0	-7.80	-1.13	-2.02	-4.92e-03	-3.59	-3.30
437	109	3.35	3.39	-6.49e-03	0.0	0.0	-20.81	1.12	1.90	4.98e-03	-3.46	1.12
		1.12	-3.46	-3.14e-03	0.0	360.0	-18.62	1.12	1.90	4.98e-03	3.39	3.35
437	112	-1.04	3.51	6.69e-03	0.0	0.0	-10.04	-1.13	-1.92	-5.45e-03	3.51	-1.04
		-3.32	-3.40	3.19e-03	0.0	360.0	-7.85	-1.13	-1.92	-5.45e-03	-3.40	-3.32
437	113	3.37	3.20	-6.48e-03	0.0	0.0	-20.76	1.12	1.80	5.52e-03	-3.28	1.12
		1.12	-3.28	-2.97e-03	0.0	360.0	-18.57	1.12	1.80	5.52e-03	3.20	3.37
437	120	0.94	6.97	0.01	0.0	0.0	-5.78	-1.74	-3.83	-8.16e-03	6.97	0.94

		-5.52	-6.84	6.36e-03	0.0	360.0	-3.59	-1.74	-3.83	-8.16e-03	-6.84	-5.52
437	140	-1.80	6.58	0.01	0.0	0.0	-5.67	-2.01	-3.60	-8.66e-03	6.58	-1.80
		-5.86	-6.40	5.97e-03	0.0	360.0	-3.47	-2.01	-3.60	-8.66e-03	-6.40	-5.86
437	141	5.91	6.20	-0.01	0.0	0.0	-25.14	2.00	3.48	8.73e-03	-6.35	1.89
		1.89	-6.35	-5.76e-03	0.0	360.0	-22.95	2.00	3.48	8.73e-03	6.20	5.91
437	144	-1.80	6.22	0.01	0.0	0.0	-5.80	-2.01	-3.40	-9.62e-03	6.22	-1.80
		-5.90	-6.04	5.64e-03	0.0	360.0	-3.61	-2.01	-3.40	-9.62e-03	-6.04	-5.90
437	145	5.95	5.83	-0.01	0.0	0.0	-25.01	2.00	3.28	9.69e-03	-5.99	1.88
		1.88	-5.99	-5.43e-03	0.0	360.0	-22.81	2.00	3.28	9.69e-03	5.83	5.95
438	1	0.05	0.19	3.62e-04	0.0	0.0	-10.47	-0.01	-0.05	0.0	0.19	0.05
		0.0	0.0	3.04e-04	0.0	360.0	-7.62	-0.01	-0.05	0.0	0.0	0.0
438	3	0.05	0.16	3.39e-04	0.0	0.0	-6.35	-0.01	-0.04	0.0	0.16	0.05
		0.0	0.0	2.65e-04	0.0	360.0	-4.16	-0.01	-0.04	0.0	0.0	0.0
438	4	0.09	0.28	6.21e-04	0.0	0.0	-5.86	-0.02	-0.08	0.0	0.28	0.09
		0.0	0.0	4.64e-04	0.0	360.0	-3.66	-0.02	-0.08	0.0	0.0	0.0
438	6	0.10	0.33	7.37e-04	0.0	0.0	-9.96	-0.03	-0.09	0.0	0.33	0.10
		0.0	0.0	5.37e-04	0.0	360.0	-7.11	-0.03	-0.09	0.0	0.0	0.0
438	8	0.10	0.30	7.13e-04	0.0	0.0	-5.84	-0.03	-0.08	0.0	0.30	0.10
		0.0	0.0	4.98e-04	0.0	360.0	-3.64	-0.03	-0.08	0.0	0.0	0.0
438	9	0.04	0.13	2.51e-04	0.0	0.0	-7.37	-0.01	-0.04	0.0	0.13	0.04
		0.0	0.0	2.19e-04	0.0	360.0	-5.17	-0.01	-0.04	0.0	0.0	0.0
438	10	0.06	0.22	4.39e-04	0.0	0.0	-7.04	-0.02	-0.06	0.0	0.22	0.06
		0.0	0.0	3.52e-04	0.0	360.0	-4.84	-0.02	-0.06	0.0	0.0	0.0
438	12	0.07	0.23	5.01e-04	0.0	0.0	-7.02	-0.02	-0.06	0.0	0.23	0.07
		0.0	0.0	3.74e-04	0.0	360.0	-4.83	-0.02	-0.06	0.0	0.0	0.0
438	13	0.01	0.08	7.39e-05	0.0	0.0	-7.53	-3.98e-03	-0.02	0.0	0.08	0.01
		0.0	0.0	1.26e-04	0.0	360.0	-5.34	-3.98e-03	-0.02	0.0	0.0	0.0
438	14	0.03	0.12	1.68e-04	0.0	0.0	-7.37	-7.68e-03	-0.03	0.0	0.12	0.03
		0.0	0.0	1.93e-04	0.0	360.0	-5.18	-7.68e-03	-0.03	0.0	0.0	0.0
438	16	0.03	0.12	1.89e-04	0.0	0.0	-7.38	-8.27e-03	-0.03	0.0	0.12	0.03
		0.0	0.0	1.97e-04	0.0	360.0	-5.19	-8.27e-03	-0.03	0.0	0.0	0.0
438	17	0.01	0.08	7.39e-05	0.0	0.0	-7.53	-3.98e-03	-0.02	0.0	0.08	0.01
		0.0	0.0	1.26e-04	0.0	360.0	-5.34	-3.98e-03	-0.02	0.0	0.0	0.0
438	18	0.02	0.10	1.30e-04	0.0	0.0	-7.44	-6.20e-03	-0.03	0.0	0.10	0.02
		0.0	0.0	1.66e-04	0.0	360.0	-5.24	-6.20e-03	-0.03	0.0	0.0	0.0
438	24	0.0	3.55	5.75e-03	0.0	0.0	0.72	1.29	-0.99	0.0	3.55	-4.65
		-4.65	0.0	6.07e-03	0.0	360.0	2.91	1.29	-0.99	0.0	0.0	0.0
438	25	4.69	0.0	-5.49e-03	0.0	0.0	-15.59	-1.30	0.93	0.0	-3.35	4.69
		0.0	-3.35	-5.74e-03	0.0	360.0	-13.40	-1.30	0.93	0.0	0.0	0.0
438	44	0.0	3.45	7.17e-03	0.0	0.0	0.74	1.36	-0.96	0.0	3.45	-4.91
		-4.91	0.0	5.85e-03	0.0	360.0	2.93	1.36	-0.96	0.0	0.0	0.0
438	45	4.95	0.0	-6.91e-03	0.0	0.0	-15.61	-1.38	0.90	0.0	-3.25	4.95
		0.0	-3.25	-5.52e-03	0.0	360.0	-13.42	-1.38	0.90	0.0	0.0	0.0
438	48	0.0	3.31	7.14e-03	0.0	0.0	0.65	1.37	-0.92	0.0	3.31	-4.94
		-4.94	0.0	5.60e-03	0.0	360.0	2.84	1.37	-0.92	0.0	0.0	0.0
438	49	4.99	0.0	-6.88e-03	0.0	0.0	-15.52	-1.39	0.86	0.0	-3.11	4.99
		0.0	-3.11	-5.26e-03	0.0	360.0	-13.33	-1.39	0.86	0.0	0.0	0.0
438	56	0.0	2.67	4.36e-03	0.0	0.0	-1.34	0.98	-0.74	0.0	2.67	-3.51
		-3.51	0.0	4.57e-03	0.0	360.0	0.86	0.98	-0.74	0.0	0.0	0.0
438	57	3.55	0.0	-4.10e-03	0.0	0.0	-13.54	-0.99	0.69	0.0	-2.47	3.55
		0.0	-2.47	-4.23e-03	0.0	360.0	-11.34	-0.99	0.69	0.0	0.0	0.0
438	76	0.0	2.62	5.44e-03	0.0	0.0	-1.27	1.03	-0.73	0.0	2.62	-3.72
		-3.72	0.0	4.44e-03	0.0	360.0	0.92	1.03	-0.73	0.0	0.0	0.0
438	77	3.76	0.0	-5.18e-03	0.0	0.0	-13.60	-1.04	0.67	0.0	-2.42	3.76
		0.0	-2.42	-4.11e-03	0.0	360.0	-11.41	-1.04	0.67	0.0	0.0	0.0
438	80	0.0	2.52	5.42e-03	0.0	0.0	-1.32	1.04	-0.70	0.0	2.52	-3.74
		-3.74	0.0	4.26e-03	0.0	360.0	0.87	1.04	-0.70	0.0	0.0	0.0
438	81	3.79	0.0	-5.16e-03	0.0	0.0	-13.55	-1.05	0.64	0.0	-2.32	3.79
		0.0	-2.32	-3.93e-03	0.0	360.0	-11.36	-1.05	0.64	0.0	0.0	0.0
438	88	0.0	2.38	3.88e-03	0.0	0.0	-2.03	0.86	-0.66	0.0	2.38	-3.11
		-3.11	0.0	4.06e-03	0.0	360.0	0.17	0.86	-0.66	0.0	0.0	0.0
438	89	3.16	0.0	-3.62e-03	0.0	0.0	-12.85	-0.88	0.60	0.0	-2.18	3.16
		0.0	-2.18	-3.73e-03	0.0	360.0	-10.65	-0.88	0.60	0.0	0.0	0.0
438	108	0.0	2.34	4.84e-03	0.0	0.0	-1.96	0.92	-0.65	0.0	2.34	-3.30
		-3.30	0.0	3.96e-03	0.0	360.0	0.23	0.92	-0.65	0.0	0.0	0.0
438	109	3.34	0.0	-4.58e-03	0.0	0.0	-12.91	-0.93	0.59	0.0	-2.13	3.34
		0.0	-2.13	-3.63e-03	0.0	360.0	-10.72	-0.93	0.59	0.0	0.0	0.0
438	112	0.0	2.25	4.82e-03	0.0	0.0	-2.01	0.92	-0.63	0.0	2.25	-3.32
		-3.32	0.0	3.80e-03	0.0	360.0	0.18	0.92	-0.63	0.0	0.0	0.0
438	113	3.36	0.0	-4.56e-03	0.0	0.0	-12.86	-0.93	0.57	0.0	-2.05	3.36
		0.0	-2.05	-3.47e-03	0.0	360.0	-10.67	-0.93	0.57	0.0	0.0	0.0
438	120	0.0	4.26	6.94e-03	0.0	0.0	2.37	1.53	-1.18	0.0	4.26	-5.51
		-5.51	0.0	7.28e-03	0.0	360.0	4.56	1.53	-1.18	0.0	0.0	0.0
438	121	5.56	0.0	-6.68e-03	0.0	0.0	-17.24	-1.54	1.13	0.0	-4.05	5.56
		0.0	-4.05	-6.95e-03	0.0	360.0	-15.05	-1.54	1.13	0.0	0.0	0.0

438	140	0.0	4.14	8.65e-03	0.0	0.0	2.41	1.63	-1.15	0.0	4.14	-5.85
		-5.85	0.0	7.02e-03	0.0	360.0	4.60	1.63	-1.15	0.0	0.0	0.0
438	141	5.90	0.0	-8.39e-03	0.0	0.0	-17.28	-1.64	1.09	0.0	-3.93	5.90
		0.0	-3.93	-6.69e-03	0.0	360.0	-15.09	-1.64	1.09	0.0	0.0	0.0
438	144	0.0	3.97	8.62e-03	0.0	0.0	2.29	1.64	-1.10	0.0	3.97	-5.89
		-5.89	0.0	6.71e-03	0.0	360.0	4.48	1.64	-1.10	0.0	0.0	0.0
438	145	5.94	0.0	-8.36e-03	0.0	0.0	-17.16	-1.65	1.05	0.0	-3.76	5.94
		0.0	-3.76	-6.37e-03	0.0	360.0	-14.97	-1.65	1.05	0.0	0.0	0.0
439	1	0.18	0.12	1.31e-04	0.0	0.0	-36.73	-0.02	-0.05	1.99e-04	0.12	0.18
		0.12	-0.08	1.18e-04	0.0	440.0	-33.25	-0.02	-0.05	1.99e-04	-0.08	0.12
439	3	0.18	0.10	1.25e-04	0.0	0.0	-23.16	-0.02	-0.04	1.85e-04	0.10	0.18
		0.11	-0.07	1.03e-04	0.0	440.0	-20.48	-0.02	-0.04	1.85e-04	-0.07	0.11
439	6	0.42	0.23	2.88e-04	0.0	0.0	-36.00	-0.04	-0.09	3.26e-04	0.23	0.42
		0.23	-0.16	2.28e-04	0.0	440.0	-32.52	-0.04	-0.09	3.26e-04	-0.16	0.23
439	8	0.41	0.21	2.82e-04	0.0	0.0	-22.44	-0.04	-0.08	3.13e-04	0.21	0.41
		0.23	-0.15	2.13e-04	0.0	440.0	-19.76	-0.04	-0.08	3.13e-04	-0.15	0.23
439	9	0.13	0.08	9.21e-05	0.0	0.0	-26.14	-0.01	-0.03	1.31e-04	0.08	0.13
		0.08	-0.06	8.20e-05	0.0	440.0	-23.46	-0.01	-0.03	1.31e-04	-0.06	0.08
439	12	0.28	0.16	1.97e-04	0.0	0.0	-25.65	-0.03	-0.06	2.17e-04	0.16	0.28
		0.16	-0.11	1.55e-04	0.0	440.0	-22.97	-0.03	-0.06	2.17e-04	-0.11	0.16
439	13	0.04	0.03	2.94e-05	0.0	0.0	-26.46	-2.00e-03	-0.01	1.45e-05	0.03	0.04
		0.03	-0.02	3.64e-05	0.0	440.0	-23.78	-2.00e-03	-0.01	1.45e-05	-0.02	0.03
439	16	0.11	0.07	7.72e-05	0.0	0.0	-26.24	-9.90e-03	-0.03	5.66e-05	0.07	0.11
		0.07	-0.05	7.00e-05	0.0	440.0	-23.56	-9.90e-03	-0.03	5.66e-05	-0.05	0.07
439	17	0.04	0.03	2.94e-05	0.0	0.0	-26.46	-2.00e-03	-0.01	1.45e-05	0.03	0.04
		0.03	-0.02	3.64e-05	0.0	440.0	-23.78	-2.00e-03	-0.01	1.45e-05	-0.02	0.03
439	18	0.08	0.05	5.63e-05	0.0	0.0	-26.34	-7.01e-03	-0.02	1.77e-05	0.05	0.08
		0.05	-0.03	5.48e-05	0.0	440.0	-23.66	-7.01e-03	-0.02	1.77e-05	-0.03	0.05
439	24	12.59	4.03	6.96e-03	0.0	0.0	-2.33	-2.77	-1.63	7.34e-03	4.03	12.59
		0.71	-3.13	3.78e-03	0.0	440.0	0.35	-2.77	-1.63	7.34e-03	-3.13	0.71
439	25	-0.61	3.06	-6.84e-03	0.0	0.0	-50.36	2.75	1.59	-7.30e-03	-3.92	-12.43
		-12.43	-3.92	-3.67e-03	0.0	440.0	-47.68	2.75	1.59	-7.30e-03	3.06	-0.61
439	40	15.03	3.13	8.34e-03	0.0	0.0	-8.03	-3.28	-1.25	5.77e-03	3.13	15.03
		-1.61	-2.36	3.00e-03	0.0	440.0	-5.35	-3.28	-1.25	5.77e-03	-2.36	-1.61
439	41	1.70	2.29	-8.23e-03	0.0	0.0	-44.66	3.27	1.21	-5.73e-03	-3.03	-14.87
		-14.87	-3.03	-2.89e-03	0.0	440.0	-41.98	3.27	1.21	-5.73e-03	2.29	1.70
439	56	9.51	3.00	5.26e-03	0.0	0.0	-8.56	-2.09	-1.21	5.57e-03	3.00	9.51
		0.55	-2.33	2.82e-03	0.0	440.0	-5.88	-2.09	-1.21	5.57e-03	-2.33	0.55
439	57	-0.45	2.26	-5.14e-03	0.0	0.0	-44.12	2.08	1.17	-5.53e-03	-2.90	-9.35
		-9.35	-2.90	-2.71e-03	0.0	440.0	-41.44	2.08	1.17	-5.53e-03	2.26	-0.45
439	72	11.38	2.36	6.31e-03	0.0	0.0	-12.67	-2.49	-0.94	4.37e-03	2.36	11.38
		-1.26	-1.78	2.26e-03	0.0	440.0	-9.99	-2.49	-0.94	4.37e-03	-1.78	-1.26
439	73	1.36	1.71	-6.20e-03	0.0	0.0	-40.02	2.48	0.90	-4.34e-03	-2.25	-11.22
		-11.22	-2.25	-2.15e-03	0.0	440.0	-37.34	2.48	0.90	-4.34e-03	1.71	1.36
439	88	8.45	2.66	4.67e-03	0.0	0.0	-10.60	-1.86	-1.07	4.94e-03	2.66	8.45
		0.49	-2.06	2.51e-03	0.0	440.0	-7.92	-1.86	-1.07	4.94e-03	-2.06	0.49
439	89	-0.39	2.00	-4.56e-03	0.0	0.0	-42.09	1.84	1.03	-4.91e-03	-2.56	-8.29
		-8.29	-2.56	-2.40e-03	0.0	440.0	-39.41	1.84	1.03	-4.91e-03	2.00	-0.39
439	104	10.11	2.10	5.61e-03	0.0	0.0	-14.22	-2.21	-0.84	3.88e-03	2.10	10.11
		-1.12	-1.58	2.01e-03	0.0	440.0	-11.54	-2.21	-0.84	3.88e-03	-1.58	-1.12
439	105	1.22	1.51	-5.50e-03	0.0	0.0	-38.47	2.20	0.80	-3.85e-03	-1.99	-9.95
		-9.95	-1.99	-1.90e-03	0.0	440.0	-35.79	2.20	0.80	-3.85e-03	1.51	1.22
439	120	15.06	4.83	8.33e-03	0.0	0.0	2.52	-3.30	-1.95	8.73e-03	4.83	15.06
		0.84	-3.75	4.54e-03	0.0	440.0	5.20	-3.30	-1.95	8.73e-03	-3.75	0.84
439	121	-0.74	3.68	-8.22e-03	0.0	0.0	-55.20	3.28	1.91	-8.70e-03	-4.73	-14.90
		-14.90	-4.73	-4.43e-03	0.0	440.0	-52.52	3.28	1.91	-8.70e-03	3.68	-0.74
439	136	18.03	3.75	0.01	0.0	0.0	-4.38	-3.92	-1.49	6.90e-03	3.75	18.03
		-1.89	-2.83	3.59e-03	0.0	440.0	-1.70	-3.92	-1.49	6.90e-03	-2.83	-1.89
439	137	1.99	2.76	-9.91e-03	0.0	0.0	-48.31	3.91	1.46	-6.87e-03	-3.65	-17.87
		-17.87	-3.65	-3.48e-03	0.0	440.0	-45.63	3.91	1.46	-6.87e-03	2.76	1.99
440	1	0.12	0.24	2.54e-04	0.0	0.0	-24.98	-0.01	-0.12	3.76e-04	0.24	0.12
		0.06	-0.20	2.09e-04	0.0	360.0	-22.13	-0.01	-0.12	3.76e-04	-0.20	0.06
440	3	0.11	0.21	2.38e-04	0.0	0.0	-15.83	-0.01	-0.11	3.65e-04	0.21	0.11
		0.06	-0.18	1.83e-04	0.0	360.0	-13.63	-0.01	-0.11	3.65e-04	-0.18	0.06
440	6	0.23	0.45	5.36e-04	0.0	0.0	-24.37	-0.03	-0.24	6.90e-04	0.45	0.23
		0.11	-0.40	3.88e-04	0.0	360.0	-21.52	-0.03	-0.24	6.90e-04	-0.40	0.11
440	8	0.23	0.42	5.20e-04	0.0	0.0	-15.22	-0.03	-0.22	6.79e-04	0.42	0.23
		0.10	-0.37	3.62e-04	0.0	360.0	-13.02	-0.03	-0.22	6.79e-04	-0.37	0.10
440	9	0.08	0.17	1.78e-04	0.0	0.0	-17.82	-0.01	-0.09	2.40e-04	0.17	0.08
		0.05	-0.14	1.49e-04	0.0	360.0	-15.63	-0.01	-0.09	2.40e-04	-0.14	0.05
440	12	0.16	0.31	3.66e-04	0.0	0.0	-17.42	-0.02	-0.16	4.50e-04	0.31	0.16
		0.08	-0.27	2.68e-04	0.0	360.0	-15.22	-0.02	-0.16	4.50e-04	-0.27	0.08
440	13	0.03	0.08	6.13e-05	0.0	0.0	-18.09	-2.11e-03	-0.04	-2.87e-05	0.08	0.03
		0.02	-0.06	7.65e-05	0.0	360.0	-15.90	-2.11e-03	-0.04	-2.87e-05	-0.06	0.02
440	16	0.07	0.15	1.47e-04	0.0	0.0	-17.91	-8.23e-03	-0.07	7.39e-05	0.15	0.07

		0.04	-0.12	1.31e-04	0.0	360.0	-15.71	-8.23e-03	-0.07	7.39e-05	-0.12	0.04
440	17	0.03	0.08	6.13e-05	0.0	0.0	-18.09	-2.11e-03	-0.04	-2.87e-05	0.08	0.03
		0.02	-0.06	7.65e-05	0.0	360.0	-15.90	-2.11e-03	-0.04	-2.87e-05	-0.06	0.02
440	18	0.05	0.12	1.08e-04	0.0	0.0	-18.00	-5.47e-03	-0.06	-1.57e-05	0.12	0.05
		0.03	-0.09	1.07e-04	0.0	360.0	-15.80	-5.47e-03	-0.06	-1.57e-05	-0.09	0.03
440	24	0.71	6.58	8.26e-03	0.0	0.0	1.84	-1.45	-3.54	8.14e-03	6.58	0.71
		-4.76	-6.17	5.30e-03	0.0	360.0	4.03	-1.45	-3.54	8.14e-03	-6.17	-4.76
440	25	4.82	5.98	-8.05e-03	0.0	0.0	-37.83	1.44	3.43	-8.17e-03	-6.35	-0.61
		-0.61	-6.35	-5.09e-03	0.0	360.0	-35.64	1.44	3.43	-8.17e-03	5.98	4.82
440	39	5.58	2.55	-6.34e-03	0.0	0.0	-25.76	1.10	1.48	-7.52e-03	-2.77	2.52
		2.52	-2.77	-2.32e-03	0.0	360.0	-23.57	1.10	1.48	-7.52e-03	2.55	5.58
440	42	-2.42	3.00	6.56e-03	0.0	0.0	-10.23	-1.11	-1.59	7.48e-03	3.00	-2.42
		-5.52	-2.73	2.53e-03	0.0	360.0	-8.04	-1.11	-1.59	7.48e-03	-2.73	-5.52
440	56	0.55	4.92	6.25e-03	0.0	0.0	-3.31	-1.09	-2.65	6.07e-03	4.92	0.55
		-3.59	-4.60	3.97e-03	0.0	360.0	-1.12	-1.09	-2.65	6.07e-03	-4.60	-3.59
440	57	3.65	4.42	-6.04e-03	0.0	0.0	-32.68	1.08	2.53	-6.10e-03	-4.69	-0.45
		-0.45	-4.69	-3.76e-03	0.0	360.0	-30.49	1.08	2.53	-6.10e-03	4.42	3.65
440	71	4.24	1.89	-4.76e-03	0.0	0.0	-23.78	0.84	1.09	-5.60e-03	-2.05	1.98
		1.98	-2.05	-1.72e-03	0.0	360.0	-21.59	0.84	1.09	-5.60e-03	1.89	4.24
440	74	-1.88	2.28	4.98e-03	0.0	0.0	-12.22	-0.85	-1.21	5.57e-03	2.28	-1.88
		-4.18	-2.07	1.93e-03	0.0	360.0	-10.02	-0.85	-1.21	5.57e-03	-2.07	-4.18
440	88	0.49	4.37	5.56e-03	0.0	0.0	-4.99	-0.97	-2.35	5.38e-03	4.37	0.49
		-3.19	-4.09	3.53e-03	0.0	360.0	-2.80	-0.97	-2.35	5.38e-03	-4.09	-3.19
440	89	3.25	3.91	-5.34e-03	0.0	0.0	-31.00	0.96	2.24	-5.41e-03	-4.14	-0.39
		-0.39	-4.14	-3.32e-03	0.0	360.0	-28.81	0.96	2.24	-5.41e-03	3.91	3.25
440	103	3.77	1.67	-4.22e-03	0.0	0.0	-23.12	0.75	0.96	-4.97e-03	-1.81	1.77
		1.77	-1.81	-1.51e-03	0.0	360.0	-20.93	0.75	0.96	-4.97e-03	1.67	3.77
440	106	-1.67	2.04	4.43e-03	0.0	0.0	-12.87	-0.76	-1.08	4.93e-03	2.04	-1.67
		-3.71	-1.85	1.73e-03	0.0	360.0	-10.68	-0.76	-1.08	4.93e-03	-1.85	-3.71
440	120	0.84	7.90	9.93e-03	0.0	0.0	5.84	-1.73	-4.25	9.79e-03	7.90	0.84
		-5.65	-7.40	6.36e-03	0.0	360.0	8.03	-1.73	-4.25	9.79e-03	-7.40	-5.65
440	121	5.71	7.22	-9.71e-03	0.0	0.0	-41.83	1.72	4.13	-9.82e-03	-7.67	-0.74
		-0.74	-7.67	-6.15e-03	0.0	360.0	-39.64	1.72	4.13	-9.82e-03	7.22	5.71
440	135	6.63	3.10	-7.69e-03	0.0	0.0	-27.39	1.32	1.80	-9.05e-03	-3.37	2.96
		2.96	-3.37	-2.83e-03	0.0	360.0	-25.19	1.32	1.80	-9.05e-03	3.10	6.63
440	138	-2.86	3.61	7.90e-03	0.0	0.0	-8.61	-1.33	-1.91	9.02e-03	3.61	-2.86
		-6.57	-3.28	3.04e-03	0.0	360.0	-6.41	-1.33	-1.91	9.02e-03	-3.28	-6.57
441	1	0.06	0.36	3.26e-04	0.0	0.0	-14.00	-0.01	-0.20	3.52e-04	0.36	0.06
		0.02	-0.37	3.04e-04	0.0	360.0	-11.15	-0.01	-0.20	3.52e-04	-0.37	0.02
441	4	0.09	0.50	5.70e-04	0.0	0.0	-8.73	-0.03	-0.27	5.09e-04	0.50	0.09
		-0.02	-0.46	4.63e-04	0.0	360.0	-6.54	-0.03	-0.27	5.09e-04	-0.46	-0.02
441	6	0.11	0.59	6.56e-04	0.0	0.0	-13.56	-0.03	-0.32	7.68e-04	0.59	0.11
		-3.69e-03	-0.56	5.36e-04	0.0	360.0	-10.71	-0.03	-0.32	7.68e-04	-0.56	-3.69e-03
441	8	0.10	0.54	6.31e-04	0.0	0.0	-8.64	-0.03	-0.29	7.78e-04	0.54	0.10
		-0.01	-0.49	4.96e-04	0.0	360.0	-6.45	-0.03	-0.29	7.78e-04	-0.49	-0.01
441	9	0.05	0.26	2.29e-04	0.0	0.0	-10.09	-8.05e-03	-0.15	2.15e-04	0.26	0.05
		0.02	-0.27	2.19e-04	0.0	360.0	-7.90	-8.05e-03	-0.15	2.15e-04	-0.27	0.02
441	10	0.07	0.39	4.08e-04	0.0	0.0	-9.86	-0.02	-0.21	3.13e-04	0.39	0.07
		-6.85e-03	-0.37	3.52e-04	0.0	360.0	-7.67	-0.02	-0.21	3.13e-04	-0.37	-6.85e-03
441	12	0.08	0.41	4.49e-04	0.0	0.0	-9.80	-0.02	-0.22	4.92e-04	0.41	0.08
		-1.48e-03	-0.39	3.74e-04	0.0	360.0	-7.61	-0.02	-0.22	4.92e-04	-0.39	-1.48e-03
441	13	0.02	0.16	8.67e-05	0.0	0.0	-10.29	-1.20e-03	-0.10	-9.78e-05	0.16	0.02
		0.02	-0.19	1.26e-04	0.0	360.0	-8.10	-1.20e-03	-0.10	-9.78e-05	-0.19	0.02
441	14	0.03	0.23	1.76e-04	0.0	0.0	-10.17	-7.41e-03	-0.13	-4.91e-05	0.23	0.03
		7.00e-03	-0.24	1.93e-04	0.0	360.0	-7.98	-7.41e-03	-0.13	-4.91e-05	-0.24	7.00e-03
441	16	0.04	0.23	1.88e-04	0.0	0.0	-10.15	-7.21e-03	-0.13	3.58e-05	0.23	0.04
		0.01	-0.24	1.97e-04	0.0	360.0	-7.96	-7.21e-03	-0.13	3.58e-05	-0.24	0.01
441	17	0.02	0.16	8.67e-05	0.0	0.0	-10.29	-1.20e-03	-0.10	-9.78e-05	0.16	0.02
		0.02	-0.19	1.26e-04	0.0	360.0	-8.10	-1.20e-03	-0.10	-9.78e-05	-0.19	0.02
441	18	0.03	0.20	1.41e-04	0.0	0.0	-10.22	-4.93e-03	-0.12	-6.86e-05	0.20	0.03
		0.01	-0.22	1.66e-04	0.0	360.0	-8.03	-4.93e-03	-0.12	-6.86e-05	-0.22	0.01
441	24	-0.68	6.90	5.57e-03	0.0	0.0	3.85	-0.83	-3.76	6.59e-03	6.90	-4.76
		-4.76	-6.63	6.05e-03	0.0	360.0	6.04	-0.83	-3.76	6.59e-03	-6.63	-0.68
441	25	4.82	6.20	-5.29e-03	0.0	0.0	-24.29	0.82	3.53	-6.73e-03	-6.51	4.82
		0.70	-6.51	-5.72e-03	0.0	360.0	-22.09	0.82	3.53	-6.73e-03	6.20	0.70
441	39	5.57	2.85	-4.53e-03	0.0	0.0	-15.80	-1.64	1.60	-5.78e-03	-2.93	5.57
		-1.20	-2.93	-2.68e-03	0.0	360.0	-13.61	-1.64	1.60	-5.78e-03	2.85	-1.20
441	42	1.22	3.33	4.81e-03	0.0	0.0	-4.64	1.63	-1.84	5.64e-03	3.33	-5.52
		-5.52	-3.28	3.01e-03	0.0	360.0	-2.44	1.63	-1.84	5.64e-03	-3.28	1.22
441	56	-0.47	5.19	4.23e-03	0.0	0.0	0.20	-0.62	-2.83	5.12e-03	5.19	-3.59
		-3.59	-4.99	4.55e-03	0.0	360.0	2.39	-0.62	-2.83	5.12e-03	-4.99	-0.47
441	57	3.65	4.56	-3.95e-03	0.0	0.0	-20.64	0.61	2.59	-5.26e-03	-4.79	3.65
		0.50	-4.79	-4.22e-03	0.0	360.0	-18.45	0.61	2.59	-5.26e-03	4.56	0.50
441	71	4.24	2.09	-3.39e-03	0.0	0.0	-14.38	-1.24	1.18	-4.51e-03	-2.15	4.24
		-0.94	-2.15	-1.98e-03	0.0	360.0	-12.19	-1.24	1.18	-4.51e-03	2.09	-0.94

441	74	0.96	2.55	3.67e-03	0.0	0.0	-6.06	1.23	-1.41	4.38e-03	2.55	-4.18
		-4.18	-2.53	2.31e-03	0.0	360.0	-3.86	1.23	-1.41	4.38e-03	-2.53	0.96
441	88	-0.41	4.62	3.77e-03	0.0	0.0	-0.99	-0.55	-2.52	4.55e-03	4.62	-3.19
		-3.19	-4.45	4.05e-03	0.0	360.0	1.20	-0.55	-2.52	4.55e-03	-4.45	-0.41
441	89	3.24	4.01	-3.49e-03	0.0	0.0	-19.45	0.54	2.29	-4.69e-03	-4.22	3.24
		0.44	-4.22	-3.72e-03	0.0	360.0	-17.26	0.54	2.29	-4.69e-03	4.01	0.44
441	103	3.77	1.83	-2.99e-03	0.0	0.0	-13.91	-1.10	1.03	-4.03e-03	-1.89	3.77
		-0.84	-1.89	-1.74e-03	0.0	360.0	-11.72	-1.10	1.03	-4.03e-03	1.83	-0.84
441	106	0.86	2.29	3.27e-03	0.0	0.0	-6.53	1.09	-1.26	3.89e-03	2.29	-3.71
		-3.71	-2.27	2.07e-03	0.0	360.0	-4.34	1.09	-1.26	3.89e-03	-2.27	0.86
441	120	-0.82	8.27	6.72e-03	0.0	0.0	6.69	-0.98	-4.50	7.79e-03	8.27	-5.65
		-5.65	-7.94	7.26e-03	0.0	360.0	8.88	-0.98	-4.50	7.79e-03	-7.94	-0.82
441	121	5.71	7.51	-6.44e-03	0.0	0.0	-27.13	0.97	4.27	-7.93e-03	-7.87	5.71
		0.84	-7.87	-6.93e-03	0.0	360.0	-24.93	0.97	4.27	-7.93e-03	7.51	0.84
441	135	6.63	3.49	-5.50e-03	0.0	0.0	-16.97	-1.96	1.96	-6.84e-03	-3.58	6.63
		-1.41	-3.58	-3.28e-03	0.0	360.0	-14.78	-1.96	1.96	-6.84e-03	3.49	-1.41
441	138	1.43	3.98	5.78e-03	0.0	0.0	-3.47	1.95	-2.20	6.70e-03	3.98	-6.57
		-6.57	-3.93	3.61e-03	0.0	360.0	-1.27	1.95	-2.20	6.70e-03	-3.93	1.43
442	1	0.15	0.13	4.01e-06	0.0	0.0	-34.09	-0.01	0.27	1.38e-04	-0.08	0.15
		0.14	-0.08	-1.24e-06	0.0	80.0	-33.46	-0.01	0.27	1.38e-04	0.13	0.14
442	3	0.15	0.11	3.82e-06	0.0	0.0	-20.40	-0.01	0.19	1.59e-04	-0.04	0.15
		0.14	-0.04	0.0	0.0	80.0	-19.91	-0.01	0.19	1.59e-04	0.11	0.14
442	6	0.37	0.21	9.53e-06	0.0	0.0	-25.40	-0.04	0.30	3.05e-04	-0.02	0.37
		0.33	-0.02	4.21e-06	0.0	80.0	-24.77	-0.04	0.30	3.05e-04	0.21	0.33
442	8	0.36	0.19	9.34e-06	0.0	0.0	-11.71	-0.04	0.21	3.27e-04	0.02	0.36
		0.33	0.02	5.55e-06	0.0	80.0	-11.22	-0.04	0.21	3.27e-04	0.19	0.33
442	9	0.11	0.09	2.84e-06	0.0	0.0	-24.99	-9.61e-03	0.20	9.47e-05	-0.06	0.11
		0.10	-0.06	-1.03e-06	0.0	80.0	-24.51	-9.61e-03	0.20	9.47e-05	0.09	0.10
442	12	0.25	0.15	6.52e-06	0.0	0.0	-19.20	-0.03	0.22	2.06e-04	-0.02	0.25
		0.23	-0.02	2.52e-06	0.0	80.0	-18.71	-0.03	0.22	2.06e-04	0.15	0.23
442	13	0.04	0.06	0.0	0.0	0.0	-29.27	-1.09e-03	0.19	-1.94e-05	-0.09	0.04
		0.04	-0.09	-3.13e-06	0.0	80.0	-28.78	-1.09e-03	0.19	-1.94e-05	0.06	0.04
442	14	0.11	0.09	2.75e-06	0.0	0.0	-27.16	-0.01	0.20	6.00e-06	-0.08	0.11
		0.10	-0.08	-1.84e-06	0.0	80.0	-26.67	-0.01	0.20	6.00e-06	0.09	0.10
442	16	0.10	0.09	2.66e-06	0.0	0.0	-26.58	-9.63e-03	0.20	3.39e-05	-0.07	0.10
		0.09	-0.07	-1.61e-06	0.0	80.0	-26.09	-9.63e-03	0.20	3.39e-05	0.09	0.09
442	17	0.04	0.06	0.0	0.0	0.0	-29.27	-1.09e-03	0.19	-1.94e-05	-0.09	0.04
		0.04	-0.09	-3.13e-06	0.0	80.0	-28.78	-1.09e-03	0.19	-1.94e-05	0.06	0.04
442	18	0.08	0.08	2.05e-06	0.0	0.0	-28.00	-6.79e-03	0.20	-4.16e-06	-0.08	0.08
		0.07	-0.08	-2.35e-06	0.0	80.0	-27.52	-6.79e-03	0.20	-4.16e-06	0.08	0.07
442	23	4.19	3.11	1.06e-04	0.0	0.0	390.88	-0.91	-1.15	7.16e-03	3.11	4.19
		3.47	1.59	1.45e-04	0.0	80.0	391.36	-0.91	-1.15	7.16e-03	1.59	3.47
442	26	-3.33	-1.44	-1.02e-04	0.0	0.0	-446.88	0.89	1.55	-7.17e-03	-3.28	-4.03
		-4.03	-3.28	-1.50e-04	0.0	80.0	-446.39	0.89	1.55	-7.17e-03	-1.44	-3.33
442	40	11.66	2.17	2.95e-04	0.0	0.0	-168.36	-2.45	0.95	0.02	-1.15	11.66
		9.73	-1.15	-8.28e-05	0.0	80.0	-167.88	-2.45	0.95	0.02	2.17	9.73
442	41	-9.58	0.98	-2.91e-04	0.0	0.0	112.36	2.43	-0.55	-0.02	0.98	-11.50
		-11.50	-2.01	7.81e-05	0.0	80.0	112.85	2.43	-0.55	-0.02	-2.01	-9.58
442	55	3.17	2.27	8.00e-05	0.0	0.0	280.73	-0.68	-0.80	5.40e-03	2.27	3.17
		2.63	1.19	1.05e-04	0.0	80.0	281.22	-0.68	-0.80	5.40e-03	1.19	2.63
442	58	-2.48	-1.04	-7.59e-05	0.0	0.0	-336.73	0.67	1.20	-5.41e-03	-2.44	-3.01
		-3.01	-2.44	-1.10e-04	0.0	80.0	-336.25	0.67	1.20	-5.41e-03	-1.04	-2.48
442	72	8.84	1.65	2.23e-04	0.0	0.0	-130.91	-1.86	0.76	0.01	-0.87	8.84
		7.38	-0.87	-6.19e-05	0.0	80.0	-130.43	-1.86	0.76	0.01	1.65	7.38
442	73	-7.23	0.70	-2.19e-04	0.0	0.0	74.91	1.85	-0.36	-0.01	0.70	-8.68
		-8.68	-1.49	5.72e-05	0.0	80.0	75.40	1.85	-0.36	-0.01	-1.49	-7.23
442	87	2.82	2.00	7.13e-05	0.0	0.0	245.25	-0.61	-0.68	4.79e-03	2.00	2.82
		2.34	1.06	9.29e-05	0.0	80.0	245.73	-0.61	-0.68	4.79e-03	1.06	2.34
442	90	-2.20	-0.91	-6.72e-05	0.0	0.0	-301.25	0.59	1.08	-4.80e-03	-2.17	-2.67
		-2.67	-2.17	-9.76e-05	0.0	80.0	-300.76	0.59	1.08	-4.80e-03	-0.91	-2.20
442	104	7.86	1.47	1.99e-04	0.0	0.0	-119.08	-1.65	0.70	0.01	-0.78	7.86
		6.56	-0.78	-5.51e-05	0.0	80.0	-118.59	-1.65	0.70	0.01	1.47	6.56
442	105	-6.41	0.61	-1.95e-04	0.0	0.0	63.08	1.64	-0.29	-0.01	0.61	-7.70
		-7.70	-1.32	5.04e-05	0.0	80.0	63.56	1.64	-0.29	-0.01	-1.32	-6.41
442	119	4.99	3.75	1.26e-04	0.0	0.0	474.24	-1.08	-1.41	8.48e-03	3.75	4.99
		4.14	1.90	1.75e-04	0.0	80.0	474.73	-1.08	-1.41	8.48e-03	1.90	4.14
442	122	-3.99	-1.75	-1.22e-04	0.0	0.0	-530.25	1.06	1.81	-8.49e-03	-3.92	-4.83
		-4.83	-3.92	-1.79e-04	0.0	80.0	-529.76	1.06	1.81	-8.49e-03	-1.75	-3.99
442	136	14.00	2.59	3.54e-04	0.0	0.0	-197.63	-2.93	1.11	0.02	-1.37	14.00
		11.69	-1.37	-9.96e-05	0.0	80.0	-197.15	-2.93	1.11	0.02	2.59	11.69
442	137	-11.54	1.20	-3.50e-04	0.0	0.0	141.63	2.91	-0.71	-0.02	1.20	-13.84
		-13.84	-2.44	9.49e-05	0.0	80.0	142.12	2.91	-0.71	-0.02	-2.44	-11.54
443	1	0.09	0.16	2.10e-04	0.0	0.0	-16.96	-5.02e-03	-0.08	4.08e-04	0.16	0.09
		0.07	-0.14	2.09e-04	0.0	360.0	-14.11	-5.02e-03	-0.08	4.08e-04	-0.14	0.07
443	3	0.08	0.14	1.94e-04	0.0	0.0	-9.88	-6.71e-03	-0.07	4.16e-04	0.14	0.08

		0.06	-0.12	1.83e-04	0.0	360.0	-7.68	-6.71e-03	-0.07	4.16e-04	-0.12	0.06
443	6	0.18	0.31	4.47e-04	0.0	0.0	-12.62	-0.02	-0.16	8.56e-04	0.31	0.18
		0.10	-0.26	3.89e-04	0.0	360.0	-9.77	-0.02	-0.16	8.56e-04	-0.26	0.10
443	8	0.17	0.28	4.32e-04	0.0	0.0	-5.54	-0.02	-0.15	8.65e-04	0.28	0.17
		0.09	-0.24	3.62e-04	0.0	360.0	-3.35	-0.02	-0.15	8.65e-04	-0.24	0.09
443	9	0.07	0.11	1.50e-04	0.0	0.0	-12.28	-3.65e-03	-0.06	2.72e-04	0.11	0.07
		0.05	-0.10	1.49e-04	0.0	360.0	-10.08	-3.65e-03	-0.06	2.72e-04	-0.10	0.05
443	12	0.13	0.21	3.08e-04	0.0	0.0	-9.39	-0.01	-0.11	5.71e-04	0.21	0.13
		0.07	-0.18	2.68e-04	0.0	360.0	-7.19	-0.01	-0.11	5.71e-04	-0.18	0.07
443	13	0.04	0.05	6.54e-05	0.0	0.0	-14.28	1.13e-03	-0.03	-9.54e-06	0.05	0.03
		0.03	-0.04	7.65e-05	0.0	360.0	-12.09	1.13e-03	-0.03	-9.54e-06	-0.04	0.04
443	16	0.06	0.10	1.37e-04	0.0	0.0	-12.95	-3.79e-03	-0.05	1.32e-04	0.10	0.06
		0.05	-0.08	1.31e-04	0.0	360.0	-10.75	-3.79e-03	-0.05	1.32e-04	-0.08	0.05
443	17	0.04	0.05	6.54e-05	0.0	0.0	-14.28	1.13e-03	-0.03	-9.54e-06	0.05	0.03
		0.03	-0.04	7.65e-05	0.0	360.0	-12.09	1.13e-03	-0.03	-9.54e-06	-0.04	0.04
443	18	0.05	0.08	1.09e-04	0.0	0.0	-13.61	-2.20e-03	-0.04	3.80e-05	0.08	0.05
		0.04	-0.06	1.07e-04	0.0	360.0	-11.42	-2.20e-03	-0.04	3.80e-05	-0.06	0.04
443	24	0.61	4.71	6.62e-03	0.0	0.0	135.48	-0.91	-2.54	0.02	4.71	0.61
		-2.55	-4.43	5.30e-03	0.0	360.0	137.67	-0.91	-2.54	0.02	-4.43	-2.55
443	25	2.63	4.31	-6.40e-03	0.0	0.0	-162.70	0.90	2.46	-0.02	-4.56	-0.51
		-0.51	-4.56	-5.09e-03	0.0	360.0	-160.51	0.90	2.46	-0.02	4.31	2.63
443	40	-1.30	3.71	8.39e-03	0.0	0.0	-66.06	-1.22	-1.97	0.02	3.71	-1.30
		-3.37	-3.39	4.46e-03	0.0	360.0	-63.86	-1.22	-1.97	0.02	-3.39	-3.37
443	41	3.45	3.27	-8.17e-03	0.0	0.0	38.83	1.21	1.89	-0.02	-3.55	1.40
		1.40	-3.55	-4.25e-03	0.0	360.0	41.02	1.21	1.89	-0.02	3.27	3.45
443	56	0.48	3.52	5.02e-03	0.0	0.0	96.46	-0.69	-1.89	0.01	3.52	0.48
		-1.93	-3.30	3.97e-03	0.0	360.0	98.66	-0.69	-1.89	0.01	-3.30	-1.93
443	57	2.02	3.18	-4.80e-03	0.0	0.0	-123.69	0.68	1.81	-0.01	-3.36	-0.38
		-0.38	-3.36	-3.76e-03	0.0	360.0	-121.50	0.68	1.81	-0.01	3.18	2.02
443	72	-1.02	2.80	6.36e-03	0.0	0.0	-52.23	-0.94	-1.49	0.02	2.80	-1.02
		-2.56	-2.55	3.38e-03	0.0	360.0	-50.04	-0.94	-1.49	0.02	-2.55	-2.56
443	73	2.64	2.43	-6.15e-03	0.0	0.0	25.01	0.93	1.41	-0.02	-2.64	1.12
		1.12	-2.64	-3.17e-03	0.0	360.0	27.20	0.93	1.41	-0.02	2.43	2.64
443	88	0.43	3.12	4.47e-03	0.0	0.0	83.84	-0.61	-1.68	0.01	3.12	0.43
		-1.71	-2.93	3.53e-03	0.0	360.0	86.03	-0.61	-1.68	0.01	-2.93	-1.71
443	89	1.80	2.80	-4.25e-03	0.0	0.0	-111.06	0.61	1.60	-0.01	-2.97	-0.34
		-0.34	-2.97	-3.32e-03	0.0	360.0	-108.87	0.61	1.60	-0.01	2.80	1.80
443	104	-0.90	2.49	5.66e-03	0.0	0.0	-47.81	-0.83	-1.32	0.01	2.49	-0.90
		-2.27	-2.27	3.01e-03	0.0	360.0	-45.62	-0.83	-1.32	0.01	-2.27	-2.27
443	105	2.36	2.15	-5.45e-03	0.0	0.0	20.59	0.83	1.24	-0.01	-2.33	1.00
		1.00	-2.33	-2.80e-03	0.0	360.0	22.78	0.83	1.24	-0.01	2.15	2.36
443	120	0.72	5.65	7.96e-03	0.0	0.0	165.29	-1.09	-3.05	0.02	5.65	0.72
		-3.03	-5.32	6.36e-03	0.0	360.0	167.48	-1.09	-3.05	0.02	-5.32	-3.03
443	121	3.11	5.19	-7.74e-03	0.0	0.0	-192.51	1.08	2.97	-0.02	-5.50	-0.62
		-0.62	-5.50	-6.15e-03	0.0	360.0	-190.32	1.08	2.97	-0.02	5.19	3.11
443	136	-1.54	4.44	0.01	0.0	0.0	-77.00	-1.46	-2.36	0.03	4.44	-1.54
		-4.01	-4.06	5.35e-03	0.0	360.0	-74.81	-1.46	-2.36	0.03	-4.06	-4.01
443	137	4.09	3.93	-9.88e-03	0.0	0.0	49.78	1.46	2.28	-0.03	-4.28	1.64
		1.64	-4.28	-5.13e-03	0.0	360.0	51.97	1.46	2.28	-0.03	3.93	4.09

Pilas.	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-37.66	-22.84	-0.03	0.0	-661.57	-10.79	-23.44	-3.41
	37.81	23.59	0.03	6.05	600.44	10.77	22.56	3.41

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
2	3	0.20	0.0	0.0	-0.40	0.0	-6.12	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.02	-0.20	0.0	0.0	0.0	0.0
2	6	0.26	0.0	0.0	-0.52	0.0	-10.86	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-12.04	-0.26	0.0	0.0	0.0	0.0
2	9	0.20	0.0	0.0	-0.40	0.0	-6.19	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.10	-0.20	0.0	0.0	0.0	0.0
2	12	0.20	0.0	0.0	-0.40	0.0	-7.60	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.50	-0.20	0.0	0.0	0.0	0.0
2	13	0.20	0.0	0.0	-0.40	0.0	-5.30	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.20	-0.20	0.0	0.0	0.0	0.0
2	16	0.20	0.0	0.0	-0.40	0.0	-5.95	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.85	-0.20	0.0	0.0	0.0	0.0
2	17	0.20	0.0	0.0	-0.40	0.0	-5.30	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.20	-0.20	0.0	0.0	0.0	0.0
2	18	0.20	0.0	0.0	-0.40	0.0	-5.65	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.55	-0.20	0.0	0.0	0.0	0.0
2	24	0.20	0.0	0.0	-0.40	0.0	-79.90	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-80.81	-0.20	0.0	0.0	0.0	0.0

2	25	0.20	0.0	0.0	-0.40	0.0	68.61	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	67.70	-0.20	0.0	0.0	0.0	0.0
2	56	0.20	0.0	0.0	-0.40	0.0	-60.74	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-61.65	-0.20	0.0	0.0	0.0	0.0
2	57	0.20	0.0	0.0	-0.40	0.0	49.44	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	48.54	-0.20	0.0	0.0	0.0	0.0
2	88	0.20	0.0	0.0	-0.40	0.0	-54.45	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-55.36	-0.20	0.0	0.0	0.0	0.0
2	89	0.20	0.0	0.0	-0.40	0.0	43.16	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	42.25	-0.20	0.0	0.0	0.0	0.0
2	120	0.20	0.0	0.0	-0.40	0.0	-94.94	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-95.84	-0.20	0.0	0.0	0.0	0.0
2	121	0.20	0.0	0.0	-0.40	0.0	83.64	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	82.73	-0.20	0.0	0.0	0.0	0.0
3	1	0.26	0.0	0.0	-0.52	0.0	-7.68	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.50	-0.26	0.0	0.0	0.0	0.0
3	8	0.20	0.0	0.0	-0.40	0.0	-4.20	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.29	-0.20	0.0	0.0	0.0	0.0
3	9	0.20	0.0	0.0	-0.40	0.0	-5.74	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.83	-0.20	0.0	0.0	0.0	0.0
3	12	0.20	0.0	0.0	-0.40	0.0	-5.15	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.24	-0.20	0.0	0.0	0.0	0.0
3	13	0.20	0.0	0.0	-0.40	0.0	-6.36	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.45	-0.20	0.0	0.0	0.0	0.0
3	16	0.20	0.0	0.0	-0.40	0.0	-6.07	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.17	-0.20	0.0	0.0	0.0	0.0
3	17	0.20	0.0	0.0	-0.40	0.0	-6.36	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.45	-0.20	0.0	0.0	0.0	0.0
3	18	0.20	0.0	0.0	-0.40	0.0	-6.28	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.38	-0.20	0.0	0.0	0.0	0.0
3	19	0.20	0.0	0.0	-0.40	0.0	84.26	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	85.17	-0.20	0.0	0.0	0.0	0.0
3	22	0.20	0.0	0.0	-0.40	0.0	-96.83	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-95.92	-0.20	0.0	0.0	0.0	0.0
3	51	0.20	0.0	0.0	-0.40	0.0	59.99	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	60.90	-0.20	0.0	0.0	0.0	0.0
3	54	0.20	0.0	0.0	-0.40	0.0	-72.55	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-71.65	-0.20	0.0	0.0	0.0	0.0
3	83	0.20	0.0	0.0	-0.40	0.0	52.33	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	53.23	-0.20	0.0	0.0	0.0	0.0
3	86	0.20	0.0	0.0	-0.40	0.0	-64.89	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-63.99	-0.20	0.0	0.0	0.0	0.0
3	115	0.20	0.0	0.0	-0.40	0.0	102.20	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	103.10	-0.20	0.0	0.0	0.0	0.0
3	118	0.20	0.0	0.0	-0.40	0.0	-114.76	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-113.86	-0.20	0.0	0.0	0.0	0.0
4	3	0.20	0.0	0.0	-0.40	0.0	-4.35	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.25	-0.20	0.0	0.0	0.0	0.0
4	6	0.26	0.0	0.0	-0.52	0.0	-8.35	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-9.53	-0.26	0.0	0.0	0.0	0.0
4	9	0.20	0.0	0.0	-0.40	0.0	-4.13	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.03	-0.20	0.0	0.0	0.0	0.0
4	12	0.20	0.0	0.0	-0.40	0.0	-5.76	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.67	-0.20	0.0	0.0	0.0	0.0
4	13	0.20	0.0	0.0	-0.40	0.0	-3.06	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.96	-0.20	0.0	0.0	0.0	0.0
4	16	0.20	0.0	0.0	-0.40	0.0	-3.81	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.71	-0.20	0.0	0.0	0.0	0.0
4	17	0.20	0.0	0.0	-0.40	0.0	-3.06	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.96	-0.20	0.0	0.0	0.0	0.0
4	18	0.20	0.0	0.0	-0.40	0.0	-3.45	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.35	-0.20	0.0	0.0	0.0	0.0
4	24	0.20	0.0	0.0	-0.40	0.0	-69.72	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-70.63	-0.20	0.0	0.0	0.0	0.0
4	25	0.20	0.0	0.0	-0.40	0.0	62.83	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	61.92	-0.20	0.0	0.0	0.0	0.0
4	56	0.20	0.0	0.0	-0.40	0.0	-52.52	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-53.42	-0.20	0.0	0.0	0.0	0.0
4	57	0.20	0.0	0.0	-0.40	0.0	45.62	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	44.72	-0.20	0.0	0.0	0.0	0.0
4	88	0.20	0.0	0.0	-0.40	0.0	-46.91	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-47.81	-0.20	0.0	0.0	0.0	0.0
4	89	0.20	0.0	0.0	-0.40	0.0	40.01	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	39.10	-0.20	0.0	0.0	0.0	0.0
4	120	0.20	0.0	0.0	-0.40	0.0	-83.03	0.20	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	394.0	-83.94	-0.20	0.0	0.0	0.0	0.0
4	121	0.20	0.0	0.0	-0.40	0.0	76.13	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	75.23	-0.20	0.0	0.0	0.0	0.0
5	1	0.26	0.0	0.0	-0.52	0.0	-4.68	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.51	-0.26	0.0	0.0	0.0	0.0
5	8	0.20	0.0	0.0	-0.40	0.0	-1.31	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-0.41	-0.20	0.0	0.0	0.0	0.0
5	9	0.20	0.0	0.0	-0.40	0.0	-3.66	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-2.75	-0.20	0.0	0.0	0.0	0.0
5	12	0.20	0.0	0.0	-0.40	0.0	-2.46	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-1.55	-0.20	0.0	0.0	0.0	0.0
5	13	0.20	0.0	0.0	-0.40	0.0	-4.54	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.64	-0.20	0.0	0.0	0.0	0.0
5	16	0.20	0.0	0.0	-0.40	0.0	-3.99	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.08	-0.20	0.0	0.0	0.0	0.0
5	17	0.20	0.0	0.0	-0.40	0.0	-4.54	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.64	-0.20	0.0	0.0	0.0	0.0
5	18	0.20	0.0	0.0	-0.40	0.0	-4.28	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.38	-0.20	0.0	0.0	0.0	0.0
5	23	0.20	0.0	0.0	-0.40	0.0	62.25	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	63.15	-0.20	0.0	0.0	0.0	0.0
5	26	0.20	0.0	0.0	-0.40	0.0	-70.81	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-69.90	-0.20	0.0	0.0	0.0	0.0
5	55	0.20	0.0	0.0	-0.40	0.0	44.73	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	45.64	-0.20	0.0	0.0	0.0	0.0
5	58	0.20	0.0	0.0	-0.40	0.0	-53.30	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-52.39	-0.20	0.0	0.0	0.0	0.0
5	87	0.20	0.0	0.0	-0.40	0.0	39.10	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	40.01	-0.20	0.0	0.0	0.0	0.0
5	90	0.20	0.0	0.0	-0.40	0.0	-47.66	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-46.76	-0.20	0.0	0.0	0.0	0.0
5	119	0.20	0.0	0.0	-0.40	0.0	75.43	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	76.33	-0.20	0.0	0.0	0.0	0.0
5	122	0.20	0.0	0.0	-0.40	0.0	-83.99	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-83.08	-0.20	0.0	0.0	0.0	0.0
6	2	0.26	0.0	0.0	-0.52	0.0	-8.91	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.73	-0.26	0.0	0.0	0.0	0.0
6	3	0.20	0.0	0.0	-0.40	0.0	-4.59	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.68	-0.20	0.0	0.0	0.0	0.0
6	9	0.20	0.0	0.0	-0.40	0.0	-4.57	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.66	-0.20	0.0	0.0	0.0	0.0
6	10	0.20	0.0	0.0	-0.40	0.0	-6.26	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.35	-0.20	0.0	0.0	0.0	0.0
6	13	0.20	0.0	0.0	-0.40	0.0	-3.92	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.02	-0.20	0.0	0.0	0.0	0.0
6	14	0.20	0.0	0.0	-0.40	0.0	-4.77	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.86	-0.20	0.0	0.0	0.0	0.0
6	17	0.20	0.0	0.0	-0.40	0.0	-3.92	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.02	-0.20	0.0	0.0	0.0	0.0
6	18	0.20	0.0	0.0	-0.40	0.0	-4.43	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.53	-0.20	0.0	0.0	0.0	0.0
6	35	0.20	0.0	0.0	-0.40	0.0	62.54	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	63.45	-0.20	0.0	0.0	0.0	0.0
6	38	0.20	0.0	0.0	-0.40	0.0	-71.40	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-70.50	-0.20	0.0	0.0	0.0	0.0
6	67	0.20	0.0	0.0	-0.40	0.0	45.87	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	46.77	-0.20	0.0	0.0	0.0	0.0
6	70	0.20	0.0	0.0	-0.40	0.0	-54.73	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-53.83	-0.20	0.0	0.0	0.0	0.0
6	99	0.20	0.0	0.0	-0.40	0.0	40.21	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	41.11	-0.20	0.0	0.0	0.0	0.0
6	102	0.20	0.0	0.0	-0.40	0.0	-49.07	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-48.16	-0.20	0.0	0.0	0.0	0.0
6	131	0.20	0.0	0.0	-0.40	0.0	76.22	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	77.12	-0.20	0.0	0.0	0.0	0.0
6	134	0.20	0.0	0.0	-0.40	0.0	-85.08	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-84.17	-0.20	0.0	0.0	0.0	0.0
7	1	0.26	0.0	0.0	-0.52	0.0	-4.41	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.59	-0.26	0.0	0.0	0.0	0.0
7	4	0.20	0.0	0.0	-0.40	0.0	-0.84	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-1.75	-0.20	0.0	0.0	0.0	0.0
7	9	0.20	0.0	0.0	-0.40	0.0	-3.35	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.25	-0.20	0.0	0.0	0.0	0.0
7	10	0.20	0.0	0.0	-0.40	0.0	-1.92	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-2.82	-0.20	0.0	0.0	0.0	0.0

7	13	0.20	0.0	0.0	-0.40	0.0	-3.78	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.68	-0.20	0.0	0.0	0.0	0.0
7	14	0.20	0.0	0.0	-0.40	0.0	-3.07	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.97	-0.20	0.0	0.0	0.0	0.0
7	17	0.20	0.0	0.0	-0.40	0.0	-3.78	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.68	-0.20	0.0	0.0	0.0	0.0
7	18	0.20	0.0	0.0	-0.40	0.0	-3.35	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.26	-0.20	0.0	0.0	0.0	0.0
7	35	0.20	0.0	0.0	-0.40	0.0	-71.52	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-72.43	-0.20	0.0	0.0	0.0	0.0
7	38	0.20	0.0	0.0	-0.40	0.0	64.82	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	63.91	-0.20	0.0	0.0	0.0	0.0
7	67	0.20	0.0	0.0	-0.40	0.0	-54.30	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-55.21	-0.20	0.0	0.0	0.0	0.0
7	70	0.20	0.0	0.0	-0.40	0.0	47.60	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	46.69	-0.20	0.0	0.0	0.0	0.0
7	99	0.20	0.0	0.0	-0.40	0.0	-48.54	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-49.45	-0.20	0.0	0.0	0.0	0.0
7	102	0.20	0.0	0.0	-0.40	0.0	41.84	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	40.93	-0.20	0.0	0.0	0.0	0.0
7	131	0.20	0.0	0.0	-0.40	0.0	-85.32	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-86.22	-0.20	0.0	0.0	0.0	0.0
7	134	0.20	0.0	0.0	-0.40	0.0	78.61	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	77.71	-0.20	0.0	0.0	0.0	0.0
8	2	0.26	0.0	0.0	-0.52	0.0	-11.00	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-9.82	-0.26	0.0	0.0	0.0	0.0
8	3	0.20	0.0	0.0	-0.40	0.0	-6.27	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.37	-0.20	0.0	0.0	0.0	0.0
8	9	0.20	0.0	0.0	-0.40	0.0	-6.55	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.64	-0.20	0.0	0.0	0.0	0.0
8	10	0.20	0.0	0.0	-0.40	0.0	-7.81	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.91	-0.20	0.0	0.0	0.0	0.0
8	13	0.20	0.0	0.0	-0.40	0.0	-6.10	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.19	-0.20	0.0	0.0	0.0	0.0
8	14	0.20	0.0	0.0	-0.40	0.0	-6.73	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.83	-0.20	0.0	0.0	0.0	0.0
8	17	0.20	0.0	0.0	-0.40	0.0	-6.10	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.19	-0.20	0.0	0.0	0.0	0.0
8	18	0.20	0.0	0.0	-0.40	0.0	-6.48	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.57	-0.20	0.0	0.0	0.0	0.0
8	40	0.20	0.0	0.0	-0.40	0.0	-72.64	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-71.74	-0.20	0.0	0.0	0.0	0.0
8	41	0.20	0.0	0.0	-0.40	0.0	59.68	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	60.59	-0.20	0.0	0.0	0.0	0.0
8	72	0.20	0.0	0.0	-0.40	0.0	-56.48	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-55.57	-0.20	0.0	0.0	0.0	0.0
8	73	0.20	0.0	0.0	-0.40	0.0	43.52	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	44.43	-0.20	0.0	0.0	0.0	0.0
8	104	0.20	0.0	0.0	-0.40	0.0	-50.88	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-49.98	-0.20	0.0	0.0	0.0	0.0
8	105	0.20	0.0	0.0	-0.40	0.0	37.92	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	38.83	-0.20	0.0	0.0	0.0	0.0
8	136	0.20	0.0	0.0	-0.40	0.0	-86.18	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-85.27	-0.20	0.0	0.0	0.0	0.0
8	137	0.20	0.0	0.0	-0.40	0.0	73.22	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	74.12	-0.20	0.0	0.0	0.0	0.0
9	4	0.20	0.0	0.0	-0.40	0.0	-4.47	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.38	-0.20	0.0	0.0	0.0	0.0
9	5	0.26	0.0	0.0	-0.52	0.0	-8.18	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-9.36	-0.26	0.0	0.0	0.0	0.0
9	10	0.20	0.0	0.0	-0.40	0.0	-5.17	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.07	-0.20	0.0	0.0	0.0	0.0
9	11	0.20	0.0	0.0	-0.40	0.0	-5.95	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.85	-0.20	0.0	0.0	0.0	0.0
9	14	0.20	0.0	0.0	-0.40	0.0	-5.39	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.30	-0.20	0.0	0.0	0.0	0.0
9	15	0.20	0.0	0.0	-0.40	0.0	-5.78	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.69	-0.20	0.0	0.0	0.0	0.0
9	17	0.20	0.0	0.0	-0.40	0.0	-5.74	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.65	-0.20	0.0	0.0	0.0	0.0
9	18	0.20	0.0	0.0	-0.40	0.0	-5.53	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.44	-0.20	0.0	0.0	0.0	0.0
9	35	0.20	0.0	0.0	-0.40	0.0	-81.03	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-81.93	-0.20	0.0	0.0	0.0	0.0
9	38	0.20	0.0	0.0	-0.40	0.0	69.97	0.20	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	394.0	69.06	-0.20	0.0	0.0	0.0	0.0
9	67	0.20	0.0	0.0	-0.40	0.0	-61.61	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-62.52	-0.20	0.0	0.0	0.0	0.0
9	70	0.20	0.0	0.0	-0.40	0.0	50.55	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	49.64	-0.20	0.0	0.0	0.0	0.0
9	99	0.20	0.0	0.0	-0.40	0.0	-55.23	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-56.13	-0.20	0.0	0.0	0.0	0.0
9	102	0.20	0.0	0.0	-0.40	0.0	44.17	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	43.26	-0.20	0.0	0.0	0.0	0.0
9	131	0.20	0.0	0.0	-0.40	0.0	-96.13	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-97.03	-0.20	0.0	0.0	0.0	0.0
9	134	0.20	0.0	0.0	-0.40	0.0	85.07	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	84.16	-0.20	0.0	0.0	0.0	0.0
10	4	0.20	0.0	0.0	-0.40	0.0	7.68	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	8.58	-0.20	0.0	0.0	0.0	0.0
10	5	0.26	0.0	0.0	-0.52	0.0	-4.96	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.79	-0.26	0.0	0.0	0.0	0.0
10	10	0.20	0.0	0.0	-0.40	0.0	3.81	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	4.71	-0.20	0.0	0.0	0.0	0.0
10	11	0.20	0.0	0.0	-0.40	0.0	-3.43	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-2.53	-0.20	0.0	0.0	0.0	0.0
10	14	0.20	0.0	0.0	-0.40	0.0	0.48	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	1.38	-0.20	0.0	0.0	0.0	0.0
10	15	0.20	0.0	0.0	-0.40	0.0	-3.14	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-2.24	-0.20	0.0	0.0	0.0	0.0
10	17	0.20	0.0	0.0	-0.40	0.0	-3.07	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-2.17	-0.20	0.0	0.0	0.0	0.0
10	18	0.20	0.0	0.0	-0.40	0.0	-0.94	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-0.04	-0.20	0.0	0.0	0.0	0.0
10	28	0.20	0.0	0.0	-0.40	0.0	77.68	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	78.59	-0.20	0.0	0.0	0.0	0.0
10	29	0.20	0.0	0.0	-0.40	0.0	-79.57	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-78.67	-0.20	0.0	0.0	0.0	0.0
10	60	0.20	0.0	0.0	-0.40	0.0	57.00	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	57.90	-0.20	0.0	0.0	0.0	0.0
10	61	0.20	0.0	0.0	-0.40	0.0	-58.89	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-57.98	-0.20	0.0	0.0	0.0	0.0
10	92	0.20	0.0	0.0	-0.40	0.0	50.35	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	51.26	-0.20	0.0	0.0	0.0	0.0
10	93	0.20	0.0	0.0	-0.40	0.0	-52.24	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-51.33	-0.20	0.0	0.0	0.0	0.0
10	124	0.20	0.0	0.0	-0.40	0.0	94.19	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	95.09	-0.20	0.0	0.0	0.0	0.0
10	125	0.20	0.0	0.0	-0.40	0.0	-96.08	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-95.17	-0.20	0.0	0.0	0.0	0.0
11	2	0.26	0.0	0.0	-0.52	0.0	-19.17	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-20.34	-0.26	0.0	0.0	0.0	0.0
11	7	0.20	0.0	0.0	-0.40	0.0	-3.38	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.29	-0.20	0.0	0.0	0.0	0.0
11	10	0.20	0.0	0.0	-0.40	0.0	-13.66	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-14.57	-0.20	0.0	0.0	0.0	0.0
11	11	0.20	0.0	0.0	-0.40	0.0	-5.50	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.41	-0.20	0.0	0.0	0.0	0.0
11	14	0.20	0.0	0.0	-0.40	0.0	-12.26	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-13.17	-0.20	0.0	0.0	0.0	0.0
11	15	0.20	0.0	0.0	-0.40	0.0	-8.18	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-9.09	-0.20	0.0	0.0	0.0	0.0
11	17	0.20	0.0	0.0	-0.40	0.0	-8.85	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-9.76	-0.20	0.0	0.0	0.0	0.0
11	18	0.20	0.0	0.0	-0.40	0.0	-10.90	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-11.80	-0.20	0.0	0.0	0.0	0.0
11	31	0.20	0.0	0.0	-0.40	0.0	-121.61	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-122.51	-0.20	0.0	0.0	0.0	0.0
11	34	0.20	0.0	0.0	-0.40	0.0	99.81	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	98.90	-0.20	0.0	0.0	0.0	0.0
11	63	0.20	0.0	0.0	-0.40	0.0	-90.91	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-91.82	-0.20	0.0	0.0	0.0	0.0
11	66	0.20	0.0	0.0	-0.40	0.0	69.11	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	68.21	-0.20	0.0	0.0	0.0	0.0
11	95	0.20	0.0	0.0	-0.40	0.0	-81.55	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-82.46	-0.20	0.0	0.0	0.0	0.0
11	98	0.20	0.0	0.0	-0.40	0.0	59.75	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	58.85	-0.20	0.0	0.0	0.0	0.0
11	127	0.20	0.0	0.0	-0.40	0.0	-144.96	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-145.87	-0.20	0.0	0.0	0.0	0.0

11	130	0.20	0.0	0.0	-0.40	0.0	123.16	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	122.26	-0.20	0.0	0.0	0.0	0.0
12	3	0.20	0.0	0.0	-0.40	0.0	-4.87	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.96	-0.20	0.0	0.0	0.0	0.0
12	6	0.26	0.0	0.0	-0.52	0.0	-7.59	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.41	-0.26	0.0	0.0	0.0	0.0
12	9	0.20	0.0	0.0	-0.40	0.0	-4.58	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.68	-0.20	0.0	0.0	0.0	0.0
12	12	0.20	0.0	0.0	-0.40	0.0	-5.34	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.43	-0.20	0.0	0.0	0.0	0.0
12	13	0.20	0.0	0.0	-0.40	0.0	-3.46	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-2.55	-0.20	0.0	0.0	0.0	0.0
12	16	0.20	0.0	0.0	-0.40	0.0	-3.84	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-2.93	-0.20	0.0	0.0	0.0	0.0
12	17	0.20	0.0	0.0	-0.40	0.0	-3.46	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-2.55	-0.20	0.0	0.0	0.0	0.0
12	18	0.20	0.0	0.0	-0.40	0.0	-3.46	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-2.56	-0.20	0.0	0.0	0.0	0.0
12	28	0.20	0.0	0.0	-0.40	0.0	75.58	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	76.48	-0.20	0.0	0.0	0.0	0.0
12	29	0.20	0.0	0.0	-0.40	0.0	-82.50	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-81.60	-0.20	0.0	0.0	0.0	0.0
12	60	0.20	0.0	0.0	-0.40	0.0	54.26	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	55.17	-0.20	0.0	0.0	0.0	0.0
12	61	0.20	0.0	0.0	-0.40	0.0	-61.19	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-60.28	-0.20	0.0	0.0	0.0	0.0
12	92	0.20	0.0	0.0	-0.40	0.0	47.58	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	48.49	-0.20	0.0	0.0	0.0	0.0
12	93	0.20	0.0	0.0	-0.40	0.0	-54.51	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-53.60	-0.20	0.0	0.0	0.0	0.0
12	124	0.20	0.0	0.0	-0.40	0.0	92.17	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	93.08	-0.20	0.0	0.0	0.0	0.0
12	125	0.20	0.0	0.0	-0.40	0.0	-99.10	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-98.19	-0.20	0.0	0.0	0.0	0.0
13	2	0.26	0.0	0.0	-0.52	0.0	-3.77	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.94	-0.26	0.0	0.0	0.0	0.0
13	7	0.20	0.0	0.0	-0.40	0.0	-0.44	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-1.34	-0.20	0.0	0.0	0.0	0.0
13	10	0.20	0.0	0.0	-0.40	0.0	-3.01	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.91	-0.20	0.0	0.0	0.0	0.0
13	11	0.20	0.0	0.0	-0.40	0.0	-1.92	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-2.82	-0.20	0.0	0.0	0.0	0.0
13	14	0.20	0.0	0.0	-0.40	0.0	-4.57	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.47	-0.20	0.0	0.0	0.0	0.0
13	15	0.20	0.0	0.0	-0.40	0.0	-4.02	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.93	-0.20	0.0	0.0	0.0	0.0
13	17	0.20	0.0	0.0	-0.40	0.0	-4.55	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.46	-0.20	0.0	0.0	0.0	0.0
13	18	0.20	0.0	0.0	-0.40	0.0	-4.56	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.47	-0.20	0.0	0.0	0.0	0.0
13	31	0.20	0.0	0.0	-0.40	0.0	-92.72	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-93.63	-0.20	0.0	0.0	0.0	0.0
13	34	0.20	0.0	0.0	-0.40	0.0	83.60	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	82.69	-0.20	0.0	0.0	0.0	0.0
13	63	0.20	0.0	0.0	-0.40	0.0	-68.42	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-69.33	-0.20	0.0	0.0	0.0	0.0
13	66	0.20	0.0	0.0	-0.40	0.0	59.30	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	58.40	-0.20	0.0	0.0	0.0	0.0
13	95	0.20	0.0	0.0	-0.40	0.0	-60.97	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-61.88	-0.20	0.0	0.0	0.0	0.0
13	98	0.20	0.0	0.0	-0.40	0.0	51.85	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	50.95	-0.20	0.0	0.0	0.0	0.0
13	127	0.20	0.0	0.0	-0.40	0.0	-111.30	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-112.20	-0.20	0.0	0.0	0.0	0.0
13	130	0.20	0.0	0.0	-0.40	0.0	102.17	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	101.27	-0.20	0.0	0.0	0.0	0.0
14	2	0.26	0.0	0.0	-0.52	0.0	-1.83	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.01	-0.26	0.0	0.0	0.0	0.0
14	7	0.20	0.0	0.0	-0.40	0.0	2.65	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	1.74	-0.20	0.0	0.0	0.0	0.0
14	10	0.20	0.0	0.0	-0.40	0.0	-1.41	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-2.32	-0.20	0.0	0.0	0.0	0.0
14	11	0.20	0.0	0.0	-0.40	0.0	0.57	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-0.34	-0.20	0.0	0.0	0.0	0.0
14	14	0.20	0.0	0.0	-0.40	0.0	-3.26	0.20	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	394.0	-4.16	-0.20	0.0	0.0	0.0	0.0
14	15	0.20	0.0	0.0	-0.40	0.0	-2.27	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.17	-0.20	0.0	0.0	0.0	0.0
14	17	0.20	0.0	0.0	-0.40	0.0	-2.98	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.88	-0.20	0.0	0.0	0.0	0.0
14	18	0.20	0.0	0.0	-0.40	0.0	-3.14	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.05	-0.20	0.0	0.0	0.0	0.0
14	47	0.20	0.0	0.0	-0.40	0.0	-87.47	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-88.38	-0.20	0.0	0.0	0.0	0.0
14	50	0.20	0.0	0.0	-0.40	0.0	81.19	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	80.28	-0.20	0.0	0.0	0.0	0.0
14	79	0.20	0.0	0.0	-0.40	0.0	-65.70	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-66.60	-0.20	0.0	0.0	0.0	0.0
14	82	0.20	0.0	0.0	-0.40	0.0	59.41	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	58.51	-0.20	0.0	0.0	0.0	0.0
14	111	0.20	0.0	0.0	-0.40	0.0	-58.56	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-59.46	-0.20	0.0	0.0	0.0	0.0
14	114	0.20	0.0	0.0	-0.40	0.0	52.27	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	51.37	-0.20	0.0	0.0	0.0	0.0
14	143	0.20	0.0	0.0	-0.40	0.0	-105.17	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-106.07	-0.20	0.0	0.0	0.0	0.0
14	146	0.20	0.0	0.0	-0.40	0.0	98.88	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	97.98	-0.20	0.0	0.0	0.0	0.0
15	4	0.20	0.0	0.0	-0.40	0.0	-7.87	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.97	-0.20	0.0	0.0	0.0	0.0
15	5	0.26	0.0	0.0	-0.52	0.0	-12.90	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-11.73	-0.26	0.0	0.0	0.0	0.0
15	10	0.20	0.0	0.0	-0.40	0.0	-6.99	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.09	-0.20	0.0	0.0	0.0	0.0
15	11	0.20	0.0	0.0	-0.40	0.0	-9.18	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.28	-0.20	0.0	0.0	0.0	0.0
15	14	0.20	0.0	0.0	-0.40	0.0	-4.73	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.82	-0.20	0.0	0.0	0.0	0.0
15	15	0.20	0.0	0.0	-0.40	0.0	-5.82	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.92	-0.20	0.0	0.0	0.0	0.0
15	17	0.20	0.0	0.0	-0.40	0.0	-4.98	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.08	-0.20	0.0	0.0	0.0	0.0
15	18	0.20	0.0	0.0	-0.40	0.0	-4.83	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.92	-0.20	0.0	0.0	0.0	0.0
15	47	0.20	0.0	0.0	-0.40	0.0	85.87	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	86.77	-0.20	0.0	0.0	0.0	0.0
15	50	0.20	0.0	0.0	-0.40	0.0	-95.52	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-94.62	-0.20	0.0	0.0	0.0	0.0
15	79	0.20	0.0	0.0	-0.40	0.0	61.94	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	62.84	-0.20	0.0	0.0	0.0	0.0
15	82	0.20	0.0	0.0	-0.40	0.0	-71.59	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-70.69	-0.20	0.0	0.0	0.0	0.0
15	111	0.20	0.0	0.0	-0.40	0.0	54.26	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	55.16	-0.20	0.0	0.0	0.0	0.0
15	114	0.20	0.0	0.0	-0.40	0.0	-63.91	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-63.01	-0.20	0.0	0.0	0.0	0.0
15	143	0.20	0.0	0.0	-0.40	0.0	104.92	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	105.82	-0.20	0.0	0.0	0.0	0.0
15	146	0.20	0.0	0.0	-0.40	0.0	-114.58	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-113.67	-0.20	0.0	0.0	0.0	0.0
16	3	0.20	0.0	0.0	-0.40	0.0	-13.90	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-13.00	-0.20	0.0	0.0	0.0	0.0
16	6	0.26	0.0	0.0	-0.52	0.0	-24.60	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-23.42	-0.26	0.0	0.0	0.0	0.0
16	9	0.20	0.0	0.0	-0.40	0.0	-12.34	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-11.43	-0.20	0.0	0.0	0.0	0.0
16	12	0.20	0.0	0.0	-0.40	0.0	-17.22	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-16.32	-0.20	0.0	0.0	0.0	0.0
16	13	0.20	0.0	0.0	-0.40	0.0	-8.33	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.43	-0.20	0.0	0.0	0.0	0.0
16	16	0.20	0.0	0.0	-0.40	0.0	-10.62	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-9.71	-0.20	0.0	0.0	0.0	0.0
16	17	0.20	0.0	0.0	-0.40	0.0	-8.33	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.43	-0.20	0.0	0.0	0.0	0.0
16	18	0.20	0.0	0.0	-0.40	0.0	-9.28	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.38	-0.20	0.0	0.0	0.0	0.0
16	47	0.20	0.0	0.0	-0.40	0.0	96.33	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	97.23	-0.20	0.0	0.0	0.0	0.0
16	50	0.20	0.0	0.0	-0.40	0.0	-114.89	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-113.99	-0.20	0.0	0.0	0.0	0.0

16	79	0.20	0.0	0.0	-0.40	0.0	67.97	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	68.88	-0.20	0.0	0.0	0.0	0.0
16	82	0.20	0.0	0.0	-0.40	0.0	-86.54	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-85.63	-0.20	0.0	0.0	0.0	0.0
16	111	0.20	0.0	0.0	-0.40	0.0	59.03	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	59.93	-0.20	0.0	0.0	0.0	0.0
16	114	0.20	0.0	0.0	-0.40	0.0	-77.59	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-76.69	-0.20	0.0	0.0	0.0	0.0
16	143	0.20	0.0	0.0	-0.40	0.0	118.54	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	119.45	-0.20	0.0	0.0	0.0	0.0
16	146	0.20	0.0	0.0	-0.40	0.0	-137.11	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-136.20	-0.20	0.0	0.0	0.0	0.0
17	3	0.20	0.0	0.0	-0.40	0.0	-8.39	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-9.29	-0.20	0.0	0.0	0.0	0.0
17	6	0.26	0.0	0.0	-0.52	0.0	-14.85	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-16.02	-0.26	0.0	0.0	0.0	0.0
17	9	0.20	0.0	0.0	-0.40	0.0	-8.61	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-9.51	-0.20	0.0	0.0	0.0	0.0
17	12	0.20	0.0	0.0	-0.40	0.0	-10.41	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-11.32	-0.20	0.0	0.0	0.0	0.0
17	13	0.20	0.0	0.0	-0.40	0.0	-7.56	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.47	-0.20	0.0	0.0	0.0	0.0
17	16	0.20	0.0	0.0	-0.40	0.0	-8.39	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-9.29	-0.20	0.0	0.0	0.0	0.0
17	17	0.20	0.0	0.0	-0.40	0.0	-7.56	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.47	-0.20	0.0	0.0	0.0	0.0
17	18	0.20	0.0	0.0	-0.40	0.0	-8.04	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.94	-0.20	0.0	0.0	0.0	0.0
17	24	0.20	0.0	0.0	-0.40	0.0	-95.80	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-96.70	-0.20	0.0	0.0	0.0	0.0
17	25	0.20	0.0	0.0	-0.40	0.0	79.72	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	78.82	-0.20	0.0	0.0	0.0	0.0
17	56	0.20	0.0	0.0	-0.40	0.0	-73.54	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-74.45	-0.20	0.0	0.0	0.0	0.0
17	57	0.20	0.0	0.0	-0.40	0.0	57.47	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	56.56	-0.20	0.0	0.0	0.0	0.0
17	88	0.20	0.0	0.0	-0.40	0.0	-66.12	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-67.02	-0.20	0.0	0.0	0.0	0.0
17	89	0.20	0.0	0.0	-0.40	0.0	50.04	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	49.14	-0.20	0.0	0.0	0.0	0.0
17	120	0.20	0.0	0.0	-0.40	0.0	-113.70	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-114.61	-0.20	0.0	0.0	0.0	0.0
17	121	0.20	0.0	0.0	-0.40	0.0	97.63	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	96.72	-0.20	0.0	0.0	0.0	0.0
18	1	0.26	0.0	0.0	-0.52	0.0	-9.97	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.79	-0.26	0.0	0.0	0.0	0.0
18	8	0.20	0.0	0.0	-0.40	0.0	-5.44	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.54	-0.20	0.0	0.0	0.0	0.0
18	9	0.20	0.0	0.0	-0.40	0.0	-7.36	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.45	-0.20	0.0	0.0	0.0	0.0
18	12	0.20	0.0	0.0	-0.40	0.0	-6.69	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.79	-0.20	0.0	0.0	0.0	0.0
18	13	0.20	0.0	0.0	-0.40	0.0	-8.09	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.19	-0.20	0.0	0.0	0.0	0.0
18	16	0.20	0.0	0.0	-0.40	0.0	-7.77	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.87	-0.20	0.0	0.0	0.0	0.0
18	17	0.20	0.0	0.0	-0.40	0.0	-8.09	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.19	-0.20	0.0	0.0	0.0	0.0
18	18	0.20	0.0	0.0	-0.40	0.0	-8.01	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.11	-0.20	0.0	0.0	0.0	0.0
18	19	0.20	0.0	0.0	-0.40	0.0	110.66	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	111.57	-0.20	0.0	0.0	0.0	0.0
18	22	0.20	0.0	0.0	-0.40	0.0	-126.69	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-125.79	-0.20	0.0	0.0	0.0	0.0
18	51	0.20	0.0	0.0	-0.40	0.0	78.92	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	79.82	-0.20	0.0	0.0	0.0	0.0
18	54	0.20	0.0	0.0	-0.40	0.0	-94.95	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-94.04	-0.20	0.0	0.0	0.0	0.0
18	83	0.20	0.0	0.0	-0.40	0.0	68.88	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	69.78	-0.20	0.0	0.0	0.0	0.0
18	86	0.20	0.0	0.0	-0.40	0.0	-84.91	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-84.00	-0.20	0.0	0.0	0.0	0.0
18	115	0.20	0.0	0.0	-0.40	0.0	134.10	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	135.01	-0.20	0.0	0.0	0.0	0.0
18	118	0.20	0.0	0.0	-0.40	0.0	-150.13	0.20	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	394.0	-149.23	-0.20	0.0	0.0	0.0	0.0
19	4	0.20	0.0	0.0	-0.40	0.0	-5.98	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.89	-0.20	0.0	0.0	0.0	0.0
19	5	0.26	0.0	0.0	-0.52	0.0	-10.88	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-12.06	-0.26	0.0	0.0	0.0	0.0
19	10	0.20	0.0	0.0	-0.40	0.0	-6.91	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.81	-0.20	0.0	0.0	0.0	0.0
19	11	0.20	0.0	0.0	-0.40	0.0	-7.84	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.74	-0.20	0.0	0.0	0.0	0.0
19	14	0.20	0.0	0.0	-0.40	0.0	-7.11	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.02	-0.20	0.0	0.0	0.0	0.0
19	15	0.20	0.0	0.0	-0.40	0.0	-7.58	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.48	-0.20	0.0	0.0	0.0	0.0
19	17	0.20	0.0	0.0	-0.40	0.0	-7.51	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.42	-0.20	0.0	0.0	0.0	0.0
19	18	0.20	0.0	0.0	-0.40	0.0	-7.27	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.18	-0.20	0.0	0.0	0.0	0.0
19	19	0.20	0.0	0.0	-0.40	0.0	-109.30	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-110.21	-0.20	0.0	0.0	0.0	0.0
19	22	0.20	0.0	0.0	-0.40	0.0	94.75	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	93.85	-0.20	0.0	0.0	0.0	0.0
19	51	0.20	0.0	0.0	-0.40	0.0	-82.32	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-83.22	-0.20	0.0	0.0	0.0	0.0
19	54	0.20	0.0	0.0	-0.40	0.0	67.77	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	66.87	-0.20	0.0	0.0	0.0	0.0
19	83	0.20	0.0	0.0	-0.40	0.0	-73.69	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-74.60	-0.20	0.0	0.0	0.0	0.0
19	86	0.20	0.0	0.0	-0.40	0.0	59.15	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	58.24	-0.20	0.0	0.0	0.0	0.0
19	115	0.20	0.0	0.0	-0.40	0.0	-129.39	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-130.29	-0.20	0.0	0.0	0.0	0.0
19	118	0.20	0.0	0.0	-0.40	0.0	114.84	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	113.94	-0.20	0.0	0.0	0.0	0.0
20	2	0.26	0.0	0.0	-0.52	0.0	-15.24	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-14.07	-0.26	0.0	0.0	0.0	0.0
20	3	0.20	0.0	0.0	-0.40	0.0	-8.78	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.87	-0.20	0.0	0.0	0.0	0.0
20	9	0.20	0.0	0.0	-0.40	0.0	-9.14	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.24	-0.20	0.0	0.0	0.0	0.0
20	10	0.20	0.0	0.0	-0.40	0.0	-10.80	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-9.90	-0.20	0.0	0.0	0.0	0.0
20	13	0.20	0.0	0.0	-0.40	0.0	-8.42	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.52	-0.20	0.0	0.0	0.0	0.0
20	14	0.20	0.0	0.0	-0.40	0.0	-9.25	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.35	-0.20	0.0	0.0	0.0	0.0
20	17	0.20	0.0	0.0	-0.40	0.0	-8.42	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.52	-0.20	0.0	0.0	0.0	0.0
20	18	0.20	0.0	0.0	-0.40	0.0	-8.92	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.02	-0.20	0.0	0.0	0.0	0.0
20	40	0.20	0.0	0.0	-0.40	0.0	-93.69	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-92.79	-0.20	0.0	0.0	0.0	0.0
20	41	0.20	0.0	0.0	-0.40	0.0	75.85	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	76.75	-0.20	0.0	0.0	0.0	0.0
20	72	0.20	0.0	0.0	-0.40	0.0	-73.21	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-72.31	-0.20	0.0	0.0	0.0	0.0
20	73	0.20	0.0	0.0	-0.40	0.0	55.37	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	56.28	-0.20	0.0	0.0	0.0	0.0
20	104	0.20	0.0	0.0	-0.40	0.0	-66.05	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-65.14	-0.20	0.0	0.0	0.0	0.0
20	105	0.20	0.0	0.0	-0.40	0.0	48.21	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	49.11	-0.20	0.0	0.0	0.0	0.0
20	136	0.20	0.0	0.0	-0.40	0.0	-111.14	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-110.24	-0.20	0.0	0.0	0.0	0.0
20	137	0.20	0.0	0.0	-0.40	0.0	93.30	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	94.21	-0.20	0.0	0.0	0.0	0.0
21	1	0.12	0.0	0.0	-0.52	0.0	-1.82	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-2.09	-0.26	0.0	0.0	0.0	0.0
21	4	0.09	0.0	0.0	-0.40	0.0	-0.61	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.82	-0.20	0.0	0.0	0.0	0.0
21	9	0.09	0.0	0.0	-0.40	0.0	-1.34	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.54	-0.20	0.0	0.0	0.0	0.0
21	10	0.09	0.0	0.0	-0.40	0.0	-0.92	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.12	-0.20	0.0	0.0	0.0	0.0
21	13	0.09	0.0	0.0	-0.40	0.0	-1.35	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.55	-0.20	0.0	0.0	0.0	0.0

21	14	0.09	0.0	0.0	-0.40	0.0	-1.14	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.34	-0.20	0.0	0.0	0.0	0.0
21	17	0.09	0.0	0.0	-0.40	0.0	-1.35	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.55	-0.20	0.0	0.0	0.0	0.0
21	18	0.09	0.0	0.0	-0.40	0.0	-1.23	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.43	-0.20	0.0	0.0	0.0	0.0
21	35	0.09	0.0	0.0	-0.40	0.0	-39.41	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-39.61	-0.20	0.0	0.0	0.0	0.0
21	38	0.09	0.0	0.0	-0.40	0.0	36.96	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	36.75	-0.20	0.0	0.0	0.0	0.0
21	67	0.09	0.0	0.0	-0.40	0.0	-29.74	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-29.94	-0.20	0.0	0.0	0.0	0.0
21	70	0.09	0.0	0.0	-0.40	0.0	27.29	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	27.09	-0.20	0.0	0.0	0.0	0.0
21	99	0.09	0.0	0.0	-0.40	0.0	-26.52	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-26.72	-0.20	0.0	0.0	0.0	0.0
21	102	0.09	0.0	0.0	-0.40	0.0	24.06	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	23.86	-0.20	0.0	0.0	0.0	0.0
21	131	0.09	0.0	0.0	-0.40	0.0	-47.05	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-47.26	-0.20	0.0	0.0	0.0	0.0
21	134	0.09	0.0	0.0	-0.40	0.0	44.60	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	44.40	-0.20	0.0	0.0	0.0	0.0
22	2	0.12	0.0	0.0	-0.52	0.0	-3.16	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-2.90	-0.26	0.0	0.0	0.0	0.0
22	3	0.09	0.0	0.0	-0.40	0.0	-1.55	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.35	-0.20	0.0	0.0	0.0	0.0
22	9	0.09	0.0	0.0	-0.40	0.0	-1.57	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.37	-0.20	0.0	0.0	0.0	0.0
22	10	0.09	0.0	0.0	-0.40	0.0	-2.21	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-2.01	-0.20	0.0	0.0	0.0	0.0
22	13	0.09	0.0	0.0	-0.40	0.0	-1.38	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.17	-0.20	0.0	0.0	0.0	0.0
22	14	0.09	0.0	0.0	-0.40	0.0	-1.69	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.49	-0.20	0.0	0.0	0.0	0.0
22	17	0.09	0.0	0.0	-0.40	0.0	-1.38	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.17	-0.20	0.0	0.0	0.0	0.0
22	18	0.09	0.0	0.0	-0.40	0.0	-1.57	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.36	-0.20	0.0	0.0	0.0	0.0
22	40	0.09	0.0	0.0	-0.40	0.0	-39.54	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-39.34	-0.20	0.0	0.0	0.0	0.0
22	41	0.09	0.0	0.0	-0.40	0.0	36.41	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	36.61	-0.20	0.0	0.0	0.0	0.0
22	72	0.09	0.0	0.0	-0.40	0.0	-30.28	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-30.08	-0.20	0.0	0.0	0.0	0.0
22	73	0.09	0.0	0.0	-0.40	0.0	27.15	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	27.35	-0.20	0.0	0.0	0.0	0.0
22	104	0.09	0.0	0.0	-0.40	0.0	-27.07	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-26.87	-0.20	0.0	0.0	0.0	0.0
22	105	0.09	0.0	0.0	-0.40	0.0	23.94	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	24.14	-0.20	0.0	0.0	0.0	0.0
22	136	0.09	0.0	0.0	-0.40	0.0	-47.24	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-47.04	-0.20	0.0	0.0	0.0	0.0
22	137	0.09	0.0	0.0	-0.40	0.0	44.11	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	44.31	-0.20	0.0	0.0	0.0	0.0
23	3	0.09	0.0	0.0	-0.40	0.0	-1.74	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.94	-0.20	0.0	0.0	0.0	0.0
23	6	0.12	0.0	0.0	-0.52	0.0	-3.36	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-3.62	-0.26	0.0	0.0	0.0	0.0
23	9	0.09	0.0	0.0	-0.40	0.0	-1.66	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.86	-0.20	0.0	0.0	0.0	0.0
23	12	0.09	0.0	0.0	-0.40	0.0	-2.31	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-2.52	-0.20	0.0	0.0	0.0	0.0
23	13	0.09	0.0	0.0	-0.40	0.0	-1.23	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.43	-0.20	0.0	0.0	0.0	0.0
23	16	0.09	0.0	0.0	-0.40	0.0	-1.53	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.74	-0.20	0.0	0.0	0.0	0.0
23	17	0.09	0.0	0.0	-0.40	0.0	-1.23	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.43	-0.20	0.0	0.0	0.0	0.0
23	18	0.09	0.0	0.0	-0.40	0.0	-1.39	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.59	-0.20	0.0	0.0	0.0	0.0
23	24	0.09	0.0	0.0	-0.40	0.0	-43.25	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-43.45	-0.20	0.0	0.0	0.0	0.0
23	25	0.09	0.0	0.0	-0.40	0.0	40.46	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	40.26	-0.20	0.0	0.0	0.0	0.0
23	56	0.09	0.0	0.0	-0.40	0.0	-32.42	0.20	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	178.9	-32.62	-0.20	0.0	0.0	0.0	0.0
23	57	0.09	0.0	0.0	-0.40	0.0	29.64	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	29.44	-0.20	0.0	0.0	0.0	0.0
23	88	0.09	0.0	0.0	-0.40	0.0	-28.88	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-29.08	-0.20	0.0	0.0	0.0	0.0
23	89	0.09	0.0	0.0	-0.40	0.0	26.09	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	25.89	-0.20	0.0	0.0	0.0	0.0
23	120	0.09	0.0	0.0	-0.40	0.0	-51.66	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-51.86	-0.20	0.0	0.0	0.0	0.0
23	121	0.09	0.0	0.0	-0.40	0.0	48.88	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	48.68	-0.20	0.0	0.0	0.0	0.0
24	1	0.12	0.0	0.0	-0.52	0.0	-1.44	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.18	-0.26	0.0	0.0	0.0	0.0
24	8	0.09	0.0	0.0	-0.40	0.0	-0.27	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.07	-0.20	0.0	0.0	0.0	0.0
24	9	0.09	0.0	0.0	-0.40	0.0	-1.11	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.91	-0.20	0.0	0.0	0.0	0.0
24	12	0.09	0.0	0.0	-0.40	0.0	-0.71	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.51	-0.20	0.0	0.0	0.0	0.0
24	13	0.09	0.0	0.0	-0.40	0.0	-1.45	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.25	-0.20	0.0	0.0	0.0	0.0
24	16	0.09	0.0	0.0	-0.40	0.0	-1.26	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.06	-0.20	0.0	0.0	0.0	0.0
24	17	0.09	0.0	0.0	-0.40	0.0	-1.45	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.25	-0.20	0.0	0.0	0.0	0.0
24	18	0.09	0.0	0.0	-0.40	0.0	-1.38	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.18	-0.20	0.0	0.0	0.0	0.0
24	23	0.09	0.0	0.0	-0.40	0.0	43.36	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	43.56	-0.20	0.0	0.0	0.0	0.0
24	26	0.09	0.0	0.0	-0.40	0.0	-46.11	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-45.91	-0.20	0.0	0.0	0.0	0.0
24	55	0.09	0.0	0.0	-0.40	0.0	31.57	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	31.77	-0.20	0.0	0.0	0.0	0.0
24	58	0.09	0.0	0.0	-0.40	0.0	-34.32	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-34.12	-0.20	0.0	0.0	0.0	0.0
24	87	0.09	0.0	0.0	-0.40	0.0	27.78	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	27.98	-0.20	0.0	0.0	0.0	0.0
24	90	0.09	0.0	0.0	-0.40	0.0	-30.54	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-30.34	-0.20	0.0	0.0	0.0	0.0
24	119	0.09	0.0	0.0	-0.40	0.0	52.17	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	52.37	-0.20	0.0	0.0	0.0	0.0
24	122	0.09	0.0	0.0	-0.40	0.0	-54.92	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-54.72	-0.20	0.0	0.0	0.0	0.0
25	1	0.26	0.0	0.0	-0.52	0.0	-9.48	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.30	-0.26	0.0	0.0	0.0	0.0
25	8	0.20	0.0	0.0	-0.40	0.0	-4.73	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.83	-0.20	0.0	0.0	0.0	0.0
25	9	0.20	0.0	0.0	-0.40	0.0	-6.91	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.01	-0.20	0.0	0.0	0.0	0.0
25	12	0.20	0.0	0.0	-0.40	0.0	-6.11	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.20	-0.20	0.0	0.0	0.0	0.0
25	13	0.20	0.0	0.0	-0.40	0.0	-7.60	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.70	-0.20	0.0	0.0	0.0	0.0
25	16	0.20	0.0	0.0	-0.40	0.0	-7.23	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.32	-0.20	0.0	0.0	0.0	0.0
25	17	0.20	0.0	0.0	-0.40	0.0	-7.60	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.70	-0.20	0.0	0.0	0.0	0.0
25	18	0.20	0.0	0.0	-0.40	0.0	-7.46	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.55	-0.20	0.0	0.0	0.0	0.0
25	28	0.20	0.0	0.0	-0.40	0.0	69.33	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	70.23	-0.20	0.0	0.0	0.0	0.0
25	29	0.20	0.0	0.0	-0.40	0.0	-84.25	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-83.34	-0.20	0.0	0.0	0.0	0.0
25	60	0.20	0.0	0.0	-0.40	0.0	49.86	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	50.77	-0.20	0.0	0.0	0.0	0.0
25	61	0.20	0.0	0.0	-0.40	0.0	-64.78	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-63.88	-0.20	0.0	0.0	0.0	0.0
25	92	0.20	0.0	0.0	-0.40	0.0	43.37	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	44.28	-0.20	0.0	0.0	0.0	0.0
25	93	0.20	0.0	0.0	-0.40	0.0	-58.29	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-57.39	-0.20	0.0	0.0	0.0	0.0
25	124	0.20	0.0	0.0	-0.40	0.0	85.36	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	86.26	-0.20	0.0	0.0	0.0	0.0
25	125	0.20	0.0	0.0	-0.40	0.0	-100.28	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-99.37	-0.20	0.0	0.0	0.0	0.0

26	4	0.20	0.0	0.0	-0.40	0.0	-11.62	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-10.72	-0.20	0.0	0.0	0.0	0.0
26	5	0.26	0.0	0.0	-0.52	0.0	-24.79	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-23.62	-0.26	0.0	0.0	0.0	0.0
26	10	0.20	0.0	0.0	-0.40	0.0	-10.75	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-9.85	-0.20	0.0	0.0	0.0	0.0
26	11	0.20	0.0	0.0	-0.40	0.0	-17.16	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-16.26	-0.20	0.0	0.0	0.0	0.0
26	14	0.20	0.0	0.0	-0.40	0.0	-6.46	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.56	-0.20	0.0	0.0	0.0	0.0
26	15	0.20	0.0	0.0	-0.40	0.0	-9.66	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.76	-0.20	0.0	0.0	0.0	0.0
26	17	0.20	0.0	0.0	-0.40	0.0	-7.79	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.89	-0.20	0.0	0.0	0.0	0.0
26	18	0.20	0.0	0.0	-0.40	0.0	-6.99	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.09	-0.20	0.0	0.0	0.0	0.0
26	31	0.20	0.0	0.0	-0.40	0.0	123.00	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	123.90	-0.20	0.0	0.0	0.0	0.0
26	34	0.20	0.0	0.0	-0.40	0.0	-136.98	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-136.08	-0.20	0.0	0.0	0.0	0.0
26	63	0.20	0.0	0.0	-0.40	0.0	87.14	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	88.05	-0.20	0.0	0.0	0.0	0.0
26	66	0.20	0.0	0.0	-0.40	0.0	-101.13	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-100.23	-0.20	0.0	0.0	0.0	0.0
26	111	0.20	0.0	0.0	-0.40	0.0	76.22	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	77.12	-0.20	0.0	0.0	0.0	0.0
26	114	0.20	0.0	0.0	-0.40	0.0	-90.20	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-89.30	-0.20	0.0	0.0	0.0	0.0
26	127	0.20	0.0	0.0	-0.40	0.0	150.41	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	151.32	-0.20	0.0	0.0	0.0	0.0
26	130	0.20	0.0	0.0	-0.40	0.0	-164.40	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-163.50	-0.20	0.0	0.0	0.0	0.0
27	2	0.26	0.0	0.0	-0.52	0.0	-4.01	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-5.19	-0.26	0.0	0.0	0.0	0.0
27	7	0.20	0.0	0.0	-0.40	0.0	3.24	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	2.33	-0.20	0.0	0.0	0.0	0.0
27	10	0.20	0.0	0.0	-0.40	0.0	-3.18	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.08	-0.20	0.0	0.0	0.0	0.0
27	11	0.20	0.0	0.0	-0.40	0.0	-0.61	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-1.51	-0.20	0.0	0.0	0.0	0.0
27	14	0.20	0.0	0.0	-0.40	0.0	-7.00	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.91	-0.20	0.0	0.0	0.0	0.0
27	15	0.20	0.0	0.0	-0.40	0.0	-5.72	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.62	-0.20	0.0	0.0	0.0	0.0
27	17	0.20	0.0	0.0	-0.40	0.0	-6.99	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.90	-0.20	0.0	0.0	0.0	0.0
27	18	0.20	0.0	0.0	-0.40	0.0	-7.00	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-7.90	-0.20	0.0	0.0	0.0	0.0
27	48	0.20	0.0	0.0	-0.40	0.0	83.08	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	82.18	-0.20	0.0	0.0	0.0	0.0
27	49	0.20	0.0	0.0	-0.40	0.0	-97.08	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-97.99	-0.20	0.0	0.0	0.0	0.0
27	80	0.20	0.0	0.0	-0.40	0.0	60.91	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	60.01	-0.20	0.0	0.0	0.0	0.0
27	81	0.20	0.0	0.0	-0.40	0.0	-74.91	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-75.82	-0.20	0.0	0.0	0.0	0.0
27	112	0.20	0.0	0.0	-0.40	0.0	53.29	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	52.39	-0.20	0.0	0.0	0.0	0.0
27	113	0.20	0.0	0.0	-0.40	0.0	-67.29	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-68.19	-0.20	0.0	0.0	0.0	0.0
27	144	0.20	0.0	0.0	-0.40	0.0	101.90	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	100.99	-0.20	0.0	0.0	0.0	0.0
27	145	0.20	0.0	0.0	-0.40	0.0	-115.90	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-116.80	-0.20	0.0	0.0	0.0	0.0
28	2	0.26	0.0	0.0	-0.52	0.0	-7.23	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-8.40	-0.26	0.0	0.0	0.0	0.0
28	7	0.20	0.0	0.0	-0.40	0.0	-0.28	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-1.18	-0.20	0.0	0.0	0.0	0.0
28	10	0.20	0.0	0.0	-0.40	0.0	-5.48	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-6.38	-0.20	0.0	0.0	0.0	0.0
28	11	0.20	0.0	0.0	-0.40	0.0	-3.35	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-4.26	-0.20	0.0	0.0	0.0	0.0
28	14	0.20	0.0	0.0	-0.40	0.0	-8.29	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-9.20	-0.20	0.0	0.0	0.0	0.0
28	15	0.20	0.0	0.0	-0.40	0.0	-7.23	0.20	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	394.0	-8.13	-0.20	0.0	0.0	0.0	0.0
28	17	0.20	0.0	0.0	-0.40	0.0	-8.20	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-9.10	-0.20	0.0	0.0	0.0	0.0
28	18	0.20	0.0	0.0	-0.40	0.0	-8.25	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-9.16	-0.20	0.0	0.0	0.0	0.0
28	31	0.20	0.0	0.0	-0.40	0.0	-139.00	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-139.91	-0.20	0.0	0.0	0.0	0.0
28	34	0.20	0.0	0.0	-0.40	0.0	122.50	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	121.59	-0.20	0.0	0.0	0.0	0.0
28	63	0.20	0.0	0.0	-0.40	0.0	-102.73	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-103.63	-0.20	0.0	0.0	0.0	0.0
28	66	0.20	0.0	0.0	-0.40	0.0	86.22	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	85.31	-0.20	0.0	0.0	0.0	0.0
28	95	0.20	0.0	0.0	-0.40	0.0	-91.68	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-92.58	-0.20	0.0	0.0	0.0	0.0
28	98	0.20	0.0	0.0	-0.40	0.0	75.17	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	74.26	-0.20	0.0	0.0	0.0	0.0
28	127	0.20	0.0	0.0	-0.40	0.0	-166.56	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-167.46	-0.20	0.0	0.0	0.0	0.0
28	130	0.20	0.0	0.0	-0.40	0.0	150.05	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	149.15	-0.20	0.0	0.0	0.0	0.0
29	4	0.09	0.0	0.0	-0.40	0.0	-0.67	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.47	-0.20	0.0	0.0	0.0	0.0
29	5	0.12	0.0	0.0	-0.52	0.0	-1.69	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.43	-0.26	0.0	0.0	0.0	0.0
29	10	0.09	0.0	0.0	-0.40	0.0	-0.82	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.62	-0.20	0.0	0.0	0.0	0.0
29	11	0.09	0.0	0.0	-0.40	0.0	-1.20	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.00	-0.20	0.0	0.0	0.0	0.0
29	14	0.09	0.0	0.0	-0.40	0.0	-0.82	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.62	-0.20	0.0	0.0	0.0	0.0
29	15	0.09	0.0	0.0	-0.40	0.0	-1.01	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.81	-0.20	0.0	0.0	0.0	0.0
29	17	0.09	0.0	0.0	-0.40	0.0	-0.96	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.76	-0.20	0.0	0.0	0.0	0.0
29	18	0.09	0.0	0.0	-0.40	0.0	-0.88	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.68	-0.20	0.0	0.0	0.0	0.0
29	28	0.09	0.0	0.0	-0.40	0.0	37.67	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	37.87	-0.20	0.0	0.0	0.0	0.0
29	29	0.09	0.0	0.0	-0.40	0.0	-39.43	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-39.23	-0.20	0.0	0.0	0.0	0.0
29	60	0.09	0.0	0.0	-0.40	0.0	27.46	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	27.66	-0.20	0.0	0.0	0.0	0.0
29	61	0.09	0.0	0.0	-0.40	0.0	-29.22	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-29.02	-0.20	0.0	0.0	0.0	0.0
29	92	0.09	0.0	0.0	-0.40	0.0	24.20	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	24.40	-0.20	0.0	0.0	0.0	0.0
29	93	0.09	0.0	0.0	-0.40	0.0	-25.96	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-25.76	-0.20	0.0	0.0	0.0	0.0
29	124	0.09	0.0	0.0	-0.40	0.0	45.74	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	45.94	-0.20	0.0	0.0	0.0	0.0
29	125	0.09	0.0	0.0	-0.40	0.0	-47.50	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-47.30	-0.20	0.0	0.0	0.0	0.0
30	2	0.12	0.0	0.0	-0.52	0.0	2.13	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	1.87	-0.26	0.0	0.0	0.0	0.0
30	7	0.09	0.0	0.0	-0.40	0.0	5.61	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	5.41	-0.20	0.0	0.0	0.0	0.0
30	10	0.09	0.0	0.0	-0.40	0.0	1.35	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	1.15	-0.20	0.0	0.0	0.0	0.0
30	11	0.09	0.0	0.0	-0.40	0.0	3.33	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	3.13	-0.20	0.0	0.0	0.0	0.0
30	14	0.09	0.0	0.0	-0.40	0.0	-1.15	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.35	-0.20	0.0	0.0	0.0	0.0
30	15	0.09	0.0	0.0	-0.40	0.0	-0.16	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.36	-0.20	0.0	0.0	0.0	0.0
30	17	0.09	0.0	0.0	-0.40	0.0	-1.03	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.23	-0.20	0.0	0.0	0.0	0.0
30	18	0.09	0.0	0.0	-0.40	0.0	-1.10	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.30	-0.20	0.0	0.0	0.0	0.0
30	48	0.09	0.0	0.0	-0.40	0.0	42.20	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	42.00	-0.20	0.0	0.0	0.0	0.0
30	49	0.09	0.0	0.0	-0.40	0.0	-44.40	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-44.60	-0.20	0.0	0.0	0.0	0.0
30	80	0.09	0.0	0.0	-0.40	0.0	31.18	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	30.98	-0.20	0.0	0.0	0.0	0.0

30	81	0.09	0.0	0.0	-0.40	0.0	-33.38	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-33.58	-0.20	0.0	0.0	0.0	0.0
30	112	0.09	0.0	0.0	-0.40	0.0	27.52	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	27.31	-0.20	0.0	0.0	0.0	0.0
30	113	0.09	0.0	0.0	-0.40	0.0	-29.72	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-29.92	-0.20	0.0	0.0	0.0	0.0
30	144	0.09	0.0	0.0	-0.40	0.0	51.26	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	51.06	-0.20	0.0	0.0	0.0	0.0
30	145	0.09	0.0	0.0	-0.40	0.0	-53.46	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-53.66	-0.20	0.0	0.0	0.0	0.0
31	4	0.09	0.0	0.0	-0.40	0.0	-5.11	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-4.91	-0.20	0.0	0.0	0.0	0.0
31	5	0.12	0.0	0.0	-0.52	0.0	-10.09	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-9.83	-0.26	0.0	0.0	0.0	0.0
31	10	0.09	0.0	0.0	-0.40	0.0	-3.95	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-3.75	-0.20	0.0	0.0	0.0	0.0
31	11	0.09	0.0	0.0	-0.40	0.0	-6.86	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-6.66	-0.20	0.0	0.0	0.0	0.0
31	14	0.09	0.0	0.0	-0.40	0.0	-1.07	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.87	-0.20	0.0	0.0	0.0	0.0
31	15	0.09	0.0	0.0	-0.40	0.0	-2.52	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-2.32	-0.20	0.0	0.0	0.0	0.0
31	17	0.09	0.0	0.0	-0.40	0.0	-1.44	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.24	-0.20	0.0	0.0	0.0	0.0
31	18	0.09	0.0	0.0	-0.40	0.0	-1.21	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.01	-0.20	0.0	0.0	0.0	0.0
31	47	0.09	0.0	0.0	-0.40	0.0	46.28	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	46.48	-0.20	0.0	0.0	0.0	0.0
31	50	0.09	0.0	0.0	-0.40	0.0	-48.71	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-48.50	-0.20	0.0	0.0	0.0	0.0
31	79	0.09	0.0	0.0	-0.40	0.0	33.68	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	33.88	-0.20	0.0	0.0	0.0	0.0
31	82	0.09	0.0	0.0	-0.40	0.0	-36.11	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-35.91	-0.20	0.0	0.0	0.0	0.0
31	111	0.09	0.0	0.0	-0.40	0.0	29.66	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	29.86	-0.20	0.0	0.0	0.0	0.0
31	114	0.09	0.0	0.0	-0.40	0.0	-32.09	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-31.89	-0.20	0.0	0.0	0.0	0.0
31	143	0.09	0.0	0.0	-0.40	0.0	56.24	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	56.44	-0.20	0.0	0.0	0.0	0.0
31	146	0.09	0.0	0.0	-0.40	0.0	-58.67	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-58.47	-0.20	0.0	0.0	0.0	0.0
32	2	0.12	0.0	0.0	-0.52	0.0	-1.14	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.40	-0.26	0.0	0.0	0.0	0.0
32	7	0.09	0.0	0.0	-0.40	0.0	0.63	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.43	-0.20	0.0	0.0	0.0	0.0
32	10	0.09	0.0	0.0	-0.40	0.0	-0.91	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.11	-0.20	0.0	0.0	0.0	0.0
32	11	0.09	0.0	0.0	-0.40	0.0	-0.20	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.41	-0.20	0.0	0.0	0.0	0.0
32	14	0.09	0.0	0.0	-0.40	0.0	-1.72	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.92	-0.20	0.0	0.0	0.0	0.0
32	15	0.09	0.0	0.0	-0.40	0.0	-1.37	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.57	-0.20	0.0	0.0	0.0	0.0
32	17	0.09	0.0	0.0	-0.40	0.0	-1.66	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.86	-0.20	0.0	0.0	0.0	0.0
32	18	0.09	0.0	0.0	-0.40	0.0	-1.69	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.89	-0.20	0.0	0.0	0.0	0.0
32	31	0.09	0.0	0.0	-0.40	0.0	-47.68	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-47.88	-0.20	0.0	0.0	0.0	0.0
32	34	0.09	0.0	0.0	-0.40	0.0	44.30	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	44.10	-0.20	0.0	0.0	0.0	0.0
32	63	0.09	0.0	0.0	-0.40	0.0	-35.01	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-35.21	-0.20	0.0	0.0	0.0	0.0
32	66	0.09	0.0	0.0	-0.40	0.0	31.63	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	31.42	-0.20	0.0	0.0	0.0	0.0
32	95	0.09	0.0	0.0	-0.40	0.0	-31.12	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-31.32	-0.20	0.0	0.0	0.0	0.0
32	98	0.09	0.0	0.0	-0.40	0.0	27.74	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	27.54	-0.20	0.0	0.0	0.0	0.0
32	127	0.09	0.0	0.0	-0.40	0.0	-57.36	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-57.56	-0.20	0.0	0.0	0.0	0.0
32	130	0.09	0.0	0.0	-0.40	0.0	53.98	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	53.78	-0.20	0.0	0.0	0.0	0.0
33	2	0.10	0.0	0.0	-0.52	0.0	4.37	0.26	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	160.0	4.37	-0.26	0.0	0.0	0.0	0.0
33	7	0.08	0.0	0.0	-0.40	0.0	1.36	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	1.36	-0.20	0.0	0.0	0.0	0.0
33	10	0.08	0.0	0.0	-0.40	0.0	3.25	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	3.25	-0.20	0.0	0.0	0.0	0.0
33	11	0.08	0.0	0.0	-0.40	0.0	2.51	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	2.51	-0.20	0.0	0.0	0.0	0.0
33	14	0.08	0.0	0.0	-0.40	0.0	4.21	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.21	-0.20	0.0	0.0	0.0	0.0
33	15	0.08	0.0	0.0	-0.40	0.0	3.84	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	3.84	-0.20	0.0	0.0	0.0	0.0
33	17	0.08	0.0	0.0	-0.40	0.0	4.18	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.18	-0.20	0.0	0.0	0.0	0.0
33	18	0.08	0.0	0.0	-0.40	0.0	4.20	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.20	-0.20	0.0	0.0	0.0	0.0
33	47	0.08	0.0	0.0	-0.40	0.0	31.58	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	31.58	-0.20	0.0	0.0	0.0	0.0
33	50	0.08	0.0	0.0	-0.40	0.0	-23.18	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-23.18	-0.20	0.0	0.0	0.0	0.0
33	79	0.08	0.0	0.0	-0.40	0.0	24.33	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	24.33	-0.20	0.0	0.0	0.0	0.0
33	82	0.08	0.0	0.0	-0.40	0.0	-15.94	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-15.94	-0.20	0.0	0.0	0.0	0.0
33	111	0.08	0.0	0.0	-0.40	0.0	22.01	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	22.01	-0.20	0.0	0.0	0.0	0.0
33	114	0.08	0.0	0.0	-0.40	0.0	-13.62	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-13.62	-0.20	0.0	0.0	0.0	0.0
33	143	0.08	0.0	0.0	-0.40	0.0	37.33	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	37.33	-0.20	0.0	0.0	0.0	0.0
33	146	0.08	0.0	0.0	-0.40	0.0	-28.94	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-28.94	-0.20	0.0	0.0	0.0	0.0
34	1	0.10	0.0	0.0	-0.52	0.0	5.24	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	5.24	-0.26	0.0	0.0	0.0	0.0
34	4	0.08	0.0	0.0	-0.40	0.0	2.64	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	2.64	-0.20	0.0	0.0	0.0	0.0
34	9	0.08	0.0	0.0	-0.40	0.0	3.80	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	3.80	-0.20	0.0	0.0	0.0	0.0
34	10	0.08	0.0	0.0	-0.40	0.0	3.28	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	3.28	-0.20	0.0	0.0	0.0	0.0
34	13	0.08	0.0	0.0	-0.40	0.0	3.91	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	3.91	-0.20	0.0	0.0	0.0	0.0
34	14	0.08	0.0	0.0	-0.40	0.0	3.65	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	3.65	-0.20	0.0	0.0	0.0	0.0
34	17	0.08	0.0	0.0	-0.40	0.0	3.91	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	3.91	-0.20	0.0	0.0	0.0	0.0
34	18	0.08	0.0	0.0	-0.40	0.0	3.75	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	3.75	-0.20	0.0	0.0	0.0	0.0
34	31	0.08	0.0	0.0	-0.40	0.0	-23.44	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-23.44	-0.20	0.0	0.0	0.0	0.0
34	34	0.08	0.0	0.0	-0.40	0.0	30.94	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	30.94	-0.20	0.0	0.0	0.0	0.0
34	63	0.08	0.0	0.0	-0.40	0.0	-15.94	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-15.94	-0.20	0.0	0.0	0.0	0.0
34	66	0.08	0.0	0.0	-0.40	0.0	23.44	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	23.44	-0.20	0.0	0.0	0.0	0.0
34	95	0.08	0.0	0.0	-0.40	0.0	-13.64	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-13.64	-0.20	0.0	0.0	0.0	0.0
34	98	0.08	0.0	0.0	-0.40	0.0	21.15	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	21.15	-0.20	0.0	0.0	0.0	0.0
34	127	0.08	0.0	0.0	-0.40	0.0	-29.17	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-29.17	-0.20	0.0	0.0	0.0	0.0
34	130	0.08	0.0	0.0	-0.40	0.0	36.68	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	36.68	-0.20	0.0	0.0	0.0	0.0
35	2	0.10	0.0	0.0	-0.52	0.0	6.22	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	6.22	-0.26	0.0	0.0	0.0	0.0
35	3	0.08	0.0	0.0	-0.40	0.0	3.84	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	3.84	-0.20	0.0	0.0	0.0	0.0
35	9	0.08	0.0	0.0	-0.40	0.0	4.14	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.14	-0.20	0.0	0.0	0.0	0.0
35	10	0.08	0.0	0.0	-0.40	0.0	4.47	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.47	-0.20	0.0	0.0	0.0	0.0
35	13	0.08	0.0	0.0	-0.40	0.0	4.08	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.08	-0.20	0.0	0.0	0.0	0.0
35	14	0.08	0.0	0.0	-0.40	0.0	4.24	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.24	-0.20	0.0	0.0	0.0	0.0

35	17	0.08	0.0	0.0	-0.40	0.0	4.08	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.08	-0.20	0.0	0.0	0.0	0.0
35	18	0.08	0.0	0.0	-0.40	0.0	4.17	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.17	-0.20	0.0	0.0	0.0	0.0
35	35	0.08	0.0	0.0	-0.40	0.0	-16.68	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-16.68	-0.20	0.0	0.0	0.0	0.0
35	38	0.08	0.0	0.0	-0.40	0.0	25.03	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	25.03	-0.20	0.0	0.0	0.0	0.0
35	67	0.08	0.0	0.0	-0.40	0.0	-11.38	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-11.38	-0.20	0.0	0.0	0.0	0.0
35	70	0.08	0.0	0.0	-0.40	0.0	19.73	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	19.73	-0.20	0.0	0.0	0.0	0.0
35	99	0.08	0.0	0.0	-0.40	0.0	-9.62	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-9.62	-0.20	0.0	0.0	0.0	0.0
35	102	0.08	0.0	0.0	-0.40	0.0	17.97	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	17.97	-0.20	0.0	0.0	0.0	0.0
35	131	0.08	0.0	0.0	-0.40	0.0	-20.89	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-20.89	-0.20	0.0	0.0	0.0	0.0
35	134	0.08	0.0	0.0	-0.40	0.0	29.24	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	29.24	-0.20	0.0	0.0	0.0	0.0
36	3	0.08	0.0	0.0	-0.40	0.0	4.15	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.15	-0.20	0.0	0.0	0.0	0.0
36	6	0.10	0.0	0.0	-0.52	0.0	6.53	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	6.53	-0.26	0.0	0.0	0.0	0.0
36	9	0.08	0.0	0.0	-0.40	0.0	4.38	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.38	-0.20	0.0	0.0	0.0	0.0
36	12	0.08	0.0	0.0	-0.40	0.0	4.68	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.68	-0.20	0.0	0.0	0.0	0.0
36	13	0.08	0.0	0.0	-0.40	0.0	4.15	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.15	-0.20	0.0	0.0	0.0	0.0
36	16	0.08	0.0	0.0	-0.40	0.0	4.29	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.29	-0.20	0.0	0.0	0.0	0.0
36	17	0.08	0.0	0.0	-0.40	0.0	4.15	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.15	-0.20	0.0	0.0	0.0	0.0
36	18	0.08	0.0	0.0	-0.40	0.0	4.21	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	4.21	-0.20	0.0	0.0	0.0	0.0
36	23	0.08	0.0	0.0	-0.40	0.0	27.54	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	27.54	-0.20	0.0	0.0	0.0	0.0
36	26	0.08	0.0	0.0	-0.40	0.0	-19.12	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-19.12	-0.20	0.0	0.0	0.0	0.0
36	55	0.08	0.0	0.0	-0.40	0.0	21.37	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	21.37	-0.20	0.0	0.0	0.0	0.0
36	58	0.08	0.0	0.0	-0.40	0.0	-12.96	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-12.96	-0.20	0.0	0.0	0.0	0.0
36	87	0.08	0.0	0.0	-0.40	0.0	19.40	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	19.40	-0.20	0.0	0.0	0.0	0.0
36	90	0.08	0.0	0.0	-0.40	0.0	-10.98	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-10.98	-0.20	0.0	0.0	0.0	0.0
36	119	0.08	0.0	0.0	-0.40	0.0	32.16	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	32.16	-0.20	0.0	0.0	0.0	0.0
36	122	0.08	0.0	0.0	-0.40	0.0	-23.74	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	-23.74	-0.20	0.0	0.0	0.0	0.0
37	3	0.04	0.0	0.0	-0.17	0.0	-0.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.33	-0.08	0.0	0.0	0.0	0.0
37	6	0.05	0.0	0.0	-0.22	0.0	-0.46	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.63	-0.11	0.0	0.0	0.0	0.0
37	9	0.04	0.0	0.0	-0.17	0.0	-0.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.28	-0.08	0.0	0.0	0.0	0.0
37	12	0.04	0.0	0.0	-0.17	0.0	-0.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.45	-0.08	0.0	0.0	0.0	0.0
37	13	0.04	0.0	0.0	-0.17	0.0	-0.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.18	-0.08	0.0	0.0	0.0	0.0
37	16	0.04	0.0	0.0	-0.17	0.0	-0.13	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.26	-0.08	0.0	0.0	0.0	0.0
37	17	0.04	0.0	0.0	-0.17	0.0	-0.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.18	-0.08	0.0	0.0	0.0	0.0
37	18	0.04	0.0	0.0	-0.17	0.0	-0.10	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.23	-0.08	0.0	0.0	0.0	0.0
37	24	0.04	0.0	0.0	-0.17	0.0	-8.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.21	-0.08	0.0	0.0	0.0	0.0
37	25	0.04	0.0	0.0	-0.17	0.0	7.88	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.76	-0.08	0.0	0.0	0.0	0.0
37	56	0.04	0.0	0.0	-0.17	0.0	-6.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.22	-0.08	0.0	0.0	0.0	0.0
37	57	0.04	0.0	0.0	-0.17	0.0	5.89	0.08	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	200.0	5.76	-0.08	0.0	0.0	0.0	0.0
37	88	0.04	0.0	0.0	-0.17	0.0	-5.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-5.54	-0.08	0.0	0.0	0.0	0.0
37	89	0.04	0.0	0.0	-0.17	0.0	5.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.09	-0.08	0.0	0.0	0.0	0.0
37	120	0.04	0.0	0.0	-0.17	0.0	-9.70	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.82	-0.08	0.0	0.0	0.0	0.0
37	121	0.04	0.0	0.0	-0.17	0.0	9.50	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.37	-0.08	0.0	0.0	0.0	0.0
38	1	0.05	0.0	0.0	-0.22	0.0	-0.22	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.05	-0.11	0.0	0.0	0.0	0.0
38	8	0.04	0.0	0.0	-0.17	0.0	0.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.28	-0.08	0.0	0.0	0.0	0.0
38	9	0.04	0.0	0.0	-0.17	0.0	-0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.03	-0.08	0.0	0.0	0.0	0.0
38	12	0.04	0.0	0.0	-0.17	0.0	-6.21e-03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.12	-0.08	0.0	0.0	0.0	0.0
38	13	0.04	0.0	0.0	-0.17	0.0	-0.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.13	-0.08	0.0	0.0	0.0	0.0
38	16	0.04	0.0	0.0	-0.17	0.0	-0.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.06	-0.08	0.0	0.0	0.0	0.0
38	17	0.04	0.0	0.0	-0.17	0.0	-0.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.13	-0.08	0.0	0.0	0.0	0.0
38	18	0.04	0.0	0.0	-0.17	0.0	-0.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.10	-0.08	0.0	0.0	0.0	0.0
38	24	0.04	0.0	0.0	-0.17	0.0	6.94	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.07	-0.08	0.0	0.0	0.0	0.0
38	25	0.04	0.0	0.0	-0.17	0.0	-7.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.26	-0.08	0.0	0.0	0.0	0.0
38	56	0.04	0.0	0.0	-0.17	0.0	5.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.30	-0.08	0.0	0.0	0.0	0.0
38	57	0.04	0.0	0.0	-0.17	0.0	-5.62	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-5.49	-0.08	0.0	0.0	0.0	0.0
38	88	0.04	0.0	0.0	-0.17	0.0	4.57	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	4.69	-0.08	0.0	0.0	0.0	0.0
38	89	0.04	0.0	0.0	-0.17	0.0	-5.01	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-4.88	-0.08	0.0	0.0	0.0	0.0
38	120	0.04	0.0	0.0	-0.17	0.0	8.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.52	-0.08	0.0	0.0	0.0	0.0
38	121	0.04	0.0	0.0	-0.17	0.0	-8.83	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.71	-0.08	0.0	0.0	0.0	0.0
39	4	0.04	0.0	0.0	-0.17	0.0	0.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.32	-0.08	0.0	0.0	0.0	0.0
39	5	0.05	0.0	0.0	-0.22	0.0	-0.51	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.34	-0.11	0.0	0.0	0.0	0.0
39	10	0.04	0.0	0.0	-0.17	0.0	-0.01	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.11	-0.08	0.0	0.0	0.0	0.0
39	11	0.04	0.0	0.0	-0.17	0.0	-0.34	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.22	-0.08	0.0	0.0	0.0	0.0
39	14	0.04	0.0	0.0	-0.17	0.0	-0.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.04	-0.08	0.0	0.0	0.0	0.0
39	15	0.04	0.0	0.0	-0.17	0.0	-0.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.20	-0.08	0.0	0.0	0.0	0.0
39	17	0.04	0.0	0.0	-0.17	0.0	-0.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.20	-0.08	0.0	0.0	0.0	0.0
39	18	0.04	0.0	0.0	-0.17	0.0	-0.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.10	-0.08	0.0	0.0	0.0	0.0
39	19	0.04	0.0	0.0	-0.17	0.0	9.13	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.26	-0.08	0.0	0.0	0.0	0.0
39	22	0.04	0.0	0.0	-0.17	0.0	-9.59	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.46	-0.08	0.0	0.0	0.0	0.0
39	59	0.04	0.0	0.0	-0.17	0.0	6.65	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.77	-0.08	0.0	0.0	0.0	0.0
39	62	0.04	0.0	0.0	-0.17	0.0	-7.11	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.98	-0.08	0.0	0.0	0.0	0.0
39	91	0.04	0.0	0.0	-0.17	0.0	5.86	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.98	-0.08	0.0	0.0	0.0	0.0
39	94	0.04	0.0	0.0	-0.17	0.0	-6.31	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.19	-0.08	0.0	0.0	0.0	0.0
39	123	0.04	0.0	0.0	-0.17	0.0	11.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	11.15	-0.08	0.0	0.0	0.0	0.0
39	126	0.04	0.0	0.0	-0.17	0.0	-11.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.36	-0.08	0.0	0.0	0.0	0.0
40	4	0.04	0.0	0.0	-0.17	0.0	-0.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.53	-0.08	0.0	0.0	0.0	0.0

40	5	0.05	0.0	0.0	-0.22	0.0	0.09	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.08	-0.11	0.0	0.0	0.0	0.0
40	10	0.04	0.0	0.0	-0.17	0.0	-0.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.37	-0.08	0.0	0.0	0.0	0.0
40	11	0.04	0.0	0.0	-0.17	0.0	0.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.07	-0.08	0.0	0.0	0.0	0.0
40	14	0.04	0.0	0.0	-0.17	0.0	-0.11	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.23	-0.08	0.0	0.0	0.0	0.0
40	15	0.04	0.0	0.0	-0.17	0.0	0.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.08	-0.08	0.0	0.0	0.0	0.0
40	17	0.04	0.0	0.0	-0.17	0.0	0.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.09	-0.08	0.0	0.0	0.0	0.0
40	18	0.04	0.0	0.0	-0.17	0.0	-0.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.17	-0.08	0.0	0.0	0.0	0.0
40	19	0.04	0.0	0.0	-0.17	0.0	-8.75	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.88	-0.08	0.0	0.0	0.0	0.0
40	22	0.04	0.0	0.0	-0.17	0.0	8.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.53	-0.08	0.0	0.0	0.0	0.0
40	51	0.04	0.0	0.0	-0.17	0.0	-6.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.57	-0.08	0.0	0.0	0.0	0.0
40	54	0.04	0.0	0.0	-0.17	0.0	6.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.22	-0.08	0.0	0.0	0.0	0.0
40	83	0.04	0.0	0.0	-0.17	0.0	-5.71	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-5.83	-0.08	0.0	0.0	0.0	0.0
40	86	0.04	0.0	0.0	-0.17	0.0	5.61	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.48	-0.08	0.0	0.0	0.0	0.0
40	115	0.04	0.0	0.0	-0.17	0.0	-10.50	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.63	-0.08	0.0	0.0	0.0	0.0
40	118	0.04	0.0	0.0	-0.17	0.0	10.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.28	-0.08	0.0	0.0	0.0	0.0
41	3	0.04	0.0	0.0	-0.17	0.0	-0.44	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.32	-0.08	0.0	0.0	0.0	0.0
41	6	0.05	0.0	0.0	-0.22	0.0	-0.82	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.65	-0.11	0.0	0.0	0.0	0.0
41	9	0.04	0.0	0.0	-0.17	0.0	-0.38	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.25	-0.08	0.0	0.0	0.0	0.0
41	12	0.04	0.0	0.0	-0.17	0.0	-0.58	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.45	-0.08	0.0	0.0	0.0	0.0
41	13	0.04	0.0	0.0	-0.17	0.0	-0.24	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.11	-0.08	0.0	0.0	0.0	0.0
41	16	0.04	0.0	0.0	-0.17	0.0	-0.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.21	-0.08	0.0	0.0	0.0	0.0
41	17	0.04	0.0	0.0	-0.17	0.0	-0.24	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.11	-0.08	0.0	0.0	0.0	0.0
41	18	0.04	0.0	0.0	-0.17	0.0	-0.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.16	-0.08	0.0	0.0	0.0	0.0
41	36	0.04	0.0	0.0	-0.17	0.0	-10.44	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.31	-0.08	0.0	0.0	0.0	0.0
41	37	0.04	0.0	0.0	-0.17	0.0	9.87	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.99	-0.08	0.0	0.0	0.0	0.0
41	72	0.04	0.0	0.0	-0.17	0.0	-7.94	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.81	-0.08	0.0	0.0	0.0	0.0
41	73	0.04	0.0	0.0	-0.17	0.0	7.37	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.49	-0.08	0.0	0.0	0.0	0.0
41	104	0.04	0.0	0.0	-0.17	0.0	-7.08	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.96	-0.08	0.0	0.0	0.0	0.0
41	105	0.04	0.0	0.0	-0.17	0.0	6.51	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.63	-0.08	0.0	0.0	0.0	0.0
41	132	0.04	0.0	0.0	-0.17	0.0	-12.54	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-12.41	-0.08	0.0	0.0	0.0	0.0
41	133	0.04	0.0	0.0	-0.17	0.0	11.97	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	12.09	-0.08	0.0	0.0	0.0	0.0
42	3	0.04	0.0	0.0	-0.17	0.0	0.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.22	-0.08	0.0	0.0	0.0	0.0
42	6	0.05	0.0	0.0	-0.22	0.0	0.71	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.55	-0.11	0.0	0.0	0.0	0.0
42	9	0.04	0.0	0.0	-0.17	0.0	0.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.16	-0.08	0.0	0.0	0.0	0.0
42	12	0.04	0.0	0.0	-0.17	0.0	0.49	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.37	-0.08	0.0	0.0	0.0	0.0
42	13	0.04	0.0	0.0	-0.17	0.0	0.14	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.02	-0.08	0.0	0.0	0.0	0.0
42	16	0.04	0.0	0.0	-0.17	0.0	0.24	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.11	-0.08	0.0	0.0	0.0	0.0
42	17	0.04	0.0	0.0	-0.17	0.0	0.14	0.08	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	200.0	0.02	-0.08	0.0	0.0	0.0	0.0
42	18	0.04	0.0	0.0	-0.17	0.0	0.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.07	-0.08	0.0	0.0	0.0	0.0
42	40	0.04	0.0	0.0	-0.17	0.0	10.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.43	-0.08	0.0	0.0	0.0	0.0
42	41	0.04	0.0	0.0	-0.17	0.0	-10.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.29	-0.08	0.0	0.0	0.0	0.0
42	72	0.04	0.0	0.0	-0.17	0.0	8.01	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.89	-0.08	0.0	0.0	0.0	0.0
42	73	0.04	0.0	0.0	-0.17	0.0	-7.63	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.75	-0.08	0.0	0.0	0.0	0.0
42	104	0.04	0.0	0.0	-0.17	0.0	7.14	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.01	-0.08	0.0	0.0	0.0	0.0
42	105	0.04	0.0	0.0	-0.17	0.0	-6.75	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.88	-0.08	0.0	0.0	0.0	0.0
42	136	0.04	0.0	0.0	-0.17	0.0	12.70	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	12.57	-0.08	0.0	0.0	0.0	0.0
42	137	0.04	0.0	0.0	-0.17	0.0	-12.31	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-12.44	-0.08	0.0	0.0	0.0	0.0
43	1	0.26	0.0	0.0	-0.52	0.0	-1.28e-03	0.26	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-1.18	-0.26	0.0	0.0	0.0	0.0
43	8	0.20	0.0	0.0	-0.40	0.0	9.45	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	8.55	-0.20	0.0	0.0	0.0	0.0
43	9	0.20	0.0	0.0	-0.40	0.0	-0.13	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-1.04	-0.20	0.0	0.0	0.0	0.0
43	12	0.20	0.0	0.0	-0.40	0.0	4.99	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	4.09	-0.20	0.0	0.0	0.0	0.0
43	13	0.20	0.0	0.0	-0.40	0.0	-3.09	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.99	-0.20	0.0	0.0	0.0	0.0
43	16	0.20	0.0	0.0	-0.40	0.0	-0.75	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-1.65	-0.20	0.0	0.0	0.0	0.0
43	17	0.20	0.0	0.0	-0.40	0.0	-3.09	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-3.99	-0.20	0.0	0.0	0.0	0.0
43	18	0.20	0.0	0.0	-0.40	0.0	-1.74	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-2.64	-0.20	0.0	0.0	0.0	0.0
43	48	0.20	0.0	0.0	-0.40	0.0	79.99	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	79.09	-0.20	0.0	0.0	0.0	0.0
43	49	0.20	0.0	0.0	-0.40	0.0	-83.46	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-84.36	-0.20	0.0	0.0	0.0	0.0
43	80	0.20	0.0	0.0	-0.40	0.0	59.37	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	58.46	-0.20	0.0	0.0	0.0	0.0
43	81	0.20	0.0	0.0	-0.40	0.0	-62.84	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-63.74	-0.20	0.0	0.0	0.0	0.0
43	112	0.20	0.0	0.0	-0.40	0.0	52.45	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	51.54	-0.20	0.0	0.0	0.0	0.0
43	113	0.20	0.0	0.0	-0.40	0.0	-55.92	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-56.82	-0.20	0.0	0.0	0.0	0.0
43	144	0.20	0.0	0.0	-0.40	0.0	97.12	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	96.22	-0.20	0.0	0.0	0.0	0.0
43	145	0.20	0.0	0.0	-0.40	0.0	-100.59	0.20	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	394.0	-101.49	-0.20	0.0	0.0	0.0	0.0
44	3	0.04	0.0	0.0	-0.17	0.0	-0.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.33	-0.08	0.0	0.0	0.0	0.0
44	6	0.05	0.0	0.0	-0.22	0.0	-0.38	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.54	-0.11	0.0	0.0	0.0	0.0
44	9	0.04	0.0	0.0	-0.17	0.0	-0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.28	-0.08	0.0	0.0	0.0	0.0
44	12	0.04	0.0	0.0	-0.17	0.0	-0.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.39	-0.08	0.0	0.0	0.0	0.0
44	13	0.04	0.0	0.0	-0.17	0.0	-0.07	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.20	-0.08	0.0	0.0	0.0	0.0
44	16	0.04	0.0	0.0	-0.17	0.0	-0.12	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.25	-0.08	0.0	0.0	0.0	0.0
44	17	0.04	0.0	0.0	-0.17	0.0	-0.07	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.20	-0.08	0.0	0.0	0.0	0.0
44	18	0.04	0.0	0.0	-0.17	0.0	-0.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.22	-0.08	0.0	0.0	0.0	0.0
44	24	0.04	0.0	0.0	-0.17	0.0	-5.78	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-5.91	-0.08	0.0	0.0	0.0	0.0
44	25	0.04	0.0	0.0	-0.17	0.0	5.60	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.47	-0.08	0.0	0.0	0.0	0.0
44	56	0.04	0.0	0.0	-0.17	0.0	-4.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-4.53	-0.08	0.0	0.0	0.0	0.0
44	57	0.04	0.0	0.0	-0.17	0.0	4.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	4.10	-0.08	0.0	0.0	0.0	0.0

44	88	0.04	0.0	0.0	-0.17	0.0	-3.92	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-4.05	-0.08	0.0	0.0	0.0	0.0
44	89	0.04	0.0	0.0	-0.17	0.0	3.74	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	3.61	-0.08	0.0	0.0	0.0	0.0
44	120	0.04	0.0	0.0	-0.17	0.0	-6.91	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.04	-0.08	0.0	0.0	0.0	0.0
44	121	0.04	0.0	0.0	-0.17	0.0	6.72	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.60	-0.08	0.0	0.0	0.0	0.0
45	1	0.05	0.0	0.0	-0.22	0.0	-0.13	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.04	-0.11	0.0	0.0	0.0	0.0
45	8	0.04	0.0	0.0	-0.17	0.0	0.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.18	-0.08	0.0	0.0	0.0	0.0
45	9	0.04	0.0	0.0	-0.17	0.0	-0.10	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.03	-0.08	0.0	0.0	0.0	0.0
45	12	0.04	0.0	0.0	-0.17	0.0	-0.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.10	-0.08	0.0	0.0	0.0	0.0
45	13	0.04	0.0	0.0	-0.17	0.0	-0.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.04	-0.08	0.0	0.0	0.0	0.0
45	16	0.04	0.0	0.0	-0.17	0.0	-0.14	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.64e-03	-0.08	0.0	0.0	0.0	0.0
45	17	0.04	0.0	0.0	-0.17	0.0	-0.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.04	-0.08	0.0	0.0	0.0	0.0
45	18	0.04	0.0	0.0	-0.17	0.0	-0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.03	-0.08	0.0	0.0	0.0	0.0
45	24	0.04	0.0	0.0	-0.17	0.0	4.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	4.37	-0.08	0.0	0.0	0.0	0.0
45	25	0.04	0.0	0.0	-0.17	0.0	-4.57	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-4.44	-0.08	0.0	0.0	0.0	0.0
45	56	0.04	0.0	0.0	-0.17	0.0	3.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	3.33	-0.08	0.0	0.0	0.0	0.0
45	57	0.04	0.0	0.0	-0.17	0.0	-3.52	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-3.39	-0.08	0.0	0.0	0.0	0.0
45	88	0.04	0.0	0.0	-0.17	0.0	2.83	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	2.95	-0.08	0.0	0.0	0.0	0.0
45	89	0.04	0.0	0.0	-0.17	0.0	-3.14	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-3.02	-0.08	0.0	0.0	0.0	0.0
45	120	0.04	0.0	0.0	-0.17	0.0	5.11	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.23	-0.08	0.0	0.0	0.0	0.0
45	121	0.04	0.0	0.0	-0.17	0.0	-5.42	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-5.30	-0.08	0.0	0.0	0.0	0.0
46	4	0.04	0.0	0.0	-0.17	0.0	0.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.36	-0.08	0.0	0.0	0.0	0.0
46	5	0.05	0.0	0.0	-0.22	0.0	-0.42	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.26	-0.11	0.0	0.0	0.0	0.0
46	10	0.04	0.0	0.0	-0.17	0.0	0.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.16	-0.08	0.0	0.0	0.0	0.0
46	11	0.04	0.0	0.0	-0.17	0.0	-0.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.16	-0.08	0.0	0.0	0.0	0.0
46	14	0.04	0.0	0.0	-0.17	0.0	-0.12	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.15e-03	-0.08	0.0	0.0	0.0	0.0
46	15	0.04	0.0	0.0	-0.17	0.0	-0.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.15	-0.08	0.0	0.0	0.0	0.0
46	17	0.04	0.0	0.0	-0.17	0.0	-0.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.15	-0.08	0.0	0.0	0.0	0.0
46	18	0.04	0.0	0.0	-0.17	0.0	-0.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.06	-0.08	0.0	0.0	0.0	0.0
46	27	0.04	0.0	0.0	-0.17	0.0	9.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.30	-0.08	0.0	0.0	0.0	0.0
46	30	0.04	0.0	0.0	-0.17	0.0	-9.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.42	-0.08	0.0	0.0	0.0	0.0
46	59	0.04	0.0	0.0	-0.17	0.0	6.72	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.84	-0.08	0.0	0.0	0.0	0.0
46	62	0.04	0.0	0.0	-0.17	0.0	-7.08	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.96	-0.08	0.0	0.0	0.0	0.0
46	91	0.04	0.0	0.0	-0.17	0.0	5.92	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.05	-0.08	0.0	0.0	0.0	0.0
46	94	0.04	0.0	0.0	-0.17	0.0	-6.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.16	-0.08	0.0	0.0	0.0	0.0
46	123	0.04	0.0	0.0	-0.17	0.0	11.08	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	11.21	-0.08	0.0	0.0	0.0	0.0
46	126	0.04	0.0	0.0	-0.17	0.0	-11.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.32	-0.08	0.0	0.0	0.0	0.0
47	4	0.04	0.0	0.0	-0.17	0.0	-0.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.52	-0.08	0.0	0.0	0.0	0.0
47	5	0.05	0.0	0.0	-0.22	0.0	0.15	0.11	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	200.0	-0.01	-0.11	0.0	0.0	0.0	0.0
47	10	0.04	0.0	0.0	-0.17	0.0	-0.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.35	-0.08	0.0	0.0	0.0	0.0
47	11	0.04	0.0	0.0	-0.17	0.0	0.10	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.03	-0.08	0.0	0.0	0.0	0.0
47	14	0.04	0.0	0.0	-0.17	0.0	-0.08	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.21	-0.08	0.0	0.0	0.0	0.0
47	15	0.04	0.0	0.0	-0.17	0.0	0.08	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.05	-0.08	0.0	0.0	0.0	0.0
47	17	0.04	0.0	0.0	-0.17	0.0	0.07	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.05	-0.08	0.0	0.0	0.0	0.0
47	18	0.04	0.0	0.0	-0.17	0.0	-0.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.15	-0.08	0.0	0.0	0.0	0.0
47	19	0.04	0.0	0.0	-0.17	0.0	-9.50	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.62	-0.08	0.0	0.0	0.0	0.0
47	22	0.04	0.0	0.0	-0.17	0.0	9.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.33	-0.08	0.0	0.0	0.0	0.0
47	51	0.04	0.0	0.0	-0.17	0.0	-6.98	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.11	-0.08	0.0	0.0	0.0	0.0
47	54	0.04	0.0	0.0	-0.17	0.0	6.94	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.81	-0.08	0.0	0.0	0.0	0.0
47	83	0.04	0.0	0.0	-0.17	0.0	-6.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.30	-0.08	0.0	0.0	0.0	0.0
47	86	0.04	0.0	0.0	-0.17	0.0	6.14	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.01	-0.08	0.0	0.0	0.0	0.0
47	115	0.04	0.0	0.0	-0.17	0.0	-11.40	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.52	-0.08	0.0	0.0	0.0	0.0
47	118	0.04	0.0	0.0	-0.17	0.0	11.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	11.23	-0.08	0.0	0.0	0.0	0.0
48	3	0.04	0.0	0.0	-0.17	0.0	-0.40	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.28	-0.08	0.0	0.0	0.0	0.0
48	6	0.05	0.0	0.0	-0.22	0.0	-0.78	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.62	-0.11	0.0	0.0	0.0	0.0
48	9	0.04	0.0	0.0	-0.17	0.0	-0.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.21	-0.08	0.0	0.0	0.0	0.0
48	12	0.04	0.0	0.0	-0.17	0.0	-0.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.42	-0.08	0.0	0.0	0.0	0.0
48	13	0.04	0.0	0.0	-0.17	0.0	-0.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.06	-0.08	0.0	0.0	0.0	0.0
48	16	0.04	0.0	0.0	-0.17	0.0	-0.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.16	-0.08	0.0	0.0	0.0	0.0
48	17	0.04	0.0	0.0	-0.17	0.0	-0.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.06	-0.08	0.0	0.0	0.0	0.0
48	18	0.04	0.0	0.0	-0.17	0.0	-0.24	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.11	-0.08	0.0	0.0	0.0	0.0
48	40	0.04	0.0	0.0	-0.17	0.0	-11.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.93	-0.08	0.0	0.0	0.0	0.0
48	41	0.04	0.0	0.0	-0.17	0.0	10.57	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.70	-0.08	0.0	0.0	0.0	0.0
48	72	0.04	0.0	0.0	-0.17	0.0	-8.40	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.28	-0.08	0.0	0.0	0.0	0.0
48	73	0.04	0.0	0.0	-0.17	0.0	7.92	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.05	-0.08	0.0	0.0	0.0	0.0
48	104	0.04	0.0	0.0	-0.17	0.0	-7.49	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.36	-0.08	0.0	0.0	0.0	0.0
48	105	0.04	0.0	0.0	-0.17	0.0	7.01	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.13	-0.08	0.0	0.0	0.0	0.0
48	136	0.04	0.0	0.0	-0.17	0.0	-13.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-13.16	-0.08	0.0	0.0	0.0	0.0
48	137	0.04	0.0	0.0	-0.17	0.0	12.81	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	12.94	-0.08	0.0	0.0	0.0	0.0
49	3	0.04	0.0	0.0	-0.17	0.0	0.42	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.29	-0.08	0.0	0.0	0.0	0.0
49	6	0.05	0.0	0.0	-0.22	0.0	0.80	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.64	-0.11	0.0	0.0	0.0	0.0
49	9	0.04	0.0	0.0	-0.17	0.0	0.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.22	-0.08	0.0	0.0	0.0	0.0
49	12	0.04	0.0	0.0	-0.17	0.0	0.56	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.44	-0.08	0.0	0.0	0.0	0.0
49	13	0.04	0.0	0.0	-0.17	0.0	0.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.08	-0.08	0.0	0.0	0.0	0.0
49	16	0.04	0.0	0.0	-0.17	0.0	0.31	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.18	-0.08	0.0	0.0	0.0	0.0
49	17	0.04	0.0	0.0	-0.17	0.0	0.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.08	-0.08	0.0	0.0	0.0	0.0

49	18	0.04	0.0	0.0	-0.17	0.0	0.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.13	-0.08	0.0	0.0	0.0	0.0
49	40	0.04	0.0	0.0	-0.17	0.0	11.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.91	-0.08	0.0	0.0	0.0	0.0
49	41	0.04	0.0	0.0	-0.17	0.0	-10.52	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.65	-0.08	0.0	0.0	0.0	0.0
49	72	0.04	0.0	0.0	-0.17	0.0	8.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.27	-0.08	0.0	0.0	0.0	0.0
49	73	0.04	0.0	0.0	-0.17	0.0	-7.88	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.00	-0.08	0.0	0.0	0.0	0.0
49	104	0.04	0.0	0.0	-0.17	0.0	7.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.35	-0.08	0.0	0.0	0.0	0.0
49	105	0.04	0.0	0.0	-0.17	0.0	-6.96	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.09	-0.08	0.0	0.0	0.0	0.0
49	136	0.04	0.0	0.0	-0.17	0.0	13.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	13.14	-0.08	0.0	0.0	0.0	0.0
49	137	0.04	0.0	0.0	-0.17	0.0	-12.75	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-12.87	-0.08	0.0	0.0	0.0	0.0
50	3	0.04	0.0	0.0	-0.17	0.0	-0.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.45	-0.08	0.0	0.0	0.0	0.0
50	6	0.05	0.0	0.0	-0.22	0.0	-0.54	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.71	-0.11	0.0	0.0	0.0	0.0
50	9	0.04	0.0	0.0	-0.17	0.0	-0.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.41	-0.08	0.0	0.0	0.0	0.0
50	12	0.04	0.0	0.0	-0.17	0.0	-0.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.51	-0.08	0.0	0.0	0.0	0.0
50	13	0.04	0.0	0.0	-0.17	0.0	-0.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.33	-0.08	0.0	0.0	0.0	0.0
50	16	0.04	0.0	0.0	-0.17	0.0	-0.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.37	-0.08	0.0	0.0	0.0	0.0
50	17	0.04	0.0	0.0	-0.17	0.0	-0.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.33	-0.08	0.0	0.0	0.0	0.0
50	18	0.04	0.0	0.0	-0.17	0.0	-0.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.35	-0.08	0.0	0.0	0.0	0.0
50	24	0.04	0.0	0.0	-0.17	0.0	-5.79	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-5.92	-0.08	0.0	0.0	0.0	0.0
50	25	0.04	0.0	0.0	-0.17	0.0	5.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.22	-0.08	0.0	0.0	0.0	0.0
50	56	0.04	0.0	0.0	-0.17	0.0	-4.47	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-4.59	-0.08	0.0	0.0	0.0	0.0
50	57	0.04	0.0	0.0	-0.17	0.0	4.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	3.90	-0.08	0.0	0.0	0.0	0.0
50	88	0.04	0.0	0.0	-0.17	0.0	-3.99	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-4.12	-0.08	0.0	0.0	0.0	0.0
50	89	0.04	0.0	0.0	-0.17	0.0	3.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	3.42	-0.08	0.0	0.0	0.0	0.0
50	120	0.04	0.0	0.0	-0.17	0.0	-6.88	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.01	-0.08	0.0	0.0	0.0	0.0
50	121	0.04	0.0	0.0	-0.17	0.0	6.44	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.32	-0.08	0.0	0.0	0.0	0.0
51	1	0.05	0.0	0.0	-0.22	0.0	-0.41	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.24	-0.11	0.0	0.0	0.0	0.0
51	8	0.04	0.0	0.0	-0.17	0.0	-0.10	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.02	-0.08	0.0	0.0	0.0	0.0
51	9	0.04	0.0	0.0	-0.17	0.0	-0.31	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.18	-0.08	0.0	0.0	0.0	0.0
51	12	0.04	0.0	0.0	-0.17	0.0	-0.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.08	-0.08	0.0	0.0	0.0	0.0
51	13	0.04	0.0	0.0	-0.17	0.0	-0.38	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.25	-0.08	0.0	0.0	0.0	0.0
51	16	0.04	0.0	0.0	-0.17	0.0	-0.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.21	-0.08	0.0	0.0	0.0	0.0
51	17	0.04	0.0	0.0	-0.17	0.0	-0.38	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.25	-0.08	0.0	0.0	0.0	0.0
51	18	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.23	-0.08	0.0	0.0	0.0	0.0
51	24	0.04	0.0	0.0	-0.17	0.0	5.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.51	-0.08	0.0	0.0	0.0	0.0
51	25	0.04	0.0	0.0	-0.17	0.0	-6.11	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-5.98	-0.08	0.0	0.0	0.0	0.0
51	56	0.04	0.0	0.0	-0.17	0.0	4.00	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	4.13	-0.08	0.0	0.0	0.0	0.0
51	57	0.04	0.0	0.0	-0.17	0.0	-4.72	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-4.59	-0.08	0.0	0.0	0.0	0.0
51	88	0.04	0.0	0.0	-0.17	0.0	3.51	0.08	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	200.0	3.64	-0.08	0.0	0.0	0.0	0.0
51	89	0.04	0.0	0.0	-0.17	0.0	-4.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-4.11	-0.08	0.0	0.0	0.0	0.0
51	120	0.04	0.0	0.0	-0.17	0.0	6.51	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.64	-0.08	0.0	0.0	0.0	0.0
51	121	0.04	0.0	0.0	-0.17	0.0	-7.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.10	-0.08	0.0	0.0	0.0	0.0
52	1	0.05	0.0	0.0	-0.22	0.0	-0.63	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.47	-0.11	0.0	0.0	0.0	0.0
52	4	0.04	0.0	0.0	-0.17	0.0	0.10	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.22	-0.08	0.0	0.0	0.0	0.0
52	9	0.04	0.0	0.0	-0.17	0.0	-0.44	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.32	-0.08	0.0	0.0	0.0	0.0
52	10	0.04	0.0	0.0	-0.17	0.0	-0.12	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.88e-03	-0.08	0.0	0.0	0.0	0.0
52	13	0.04	0.0	0.0	-0.17	0.0	-0.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.32	-0.08	0.0	0.0	0.0	0.0
52	14	0.04	0.0	0.0	-0.17	0.0	-0.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.16	-0.08	0.0	0.0	0.0	0.0
52	17	0.04	0.0	0.0	-0.17	0.0	-0.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.32	-0.08	0.0	0.0	0.0	0.0
52	18	0.04	0.0	0.0	-0.17	0.0	-0.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.22	-0.08	0.0	0.0	0.0	0.0
52	27	0.04	0.0	0.0	-0.17	0.0	9.30	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.43	-0.08	0.0	0.0	0.0	0.0
52	30	0.04	0.0	0.0	-0.17	0.0	-10.00	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.87	-0.08	0.0	0.0	0.0	0.0
52	59	0.04	0.0	0.0	-0.17	0.0	6.79	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.92	-0.08	0.0	0.0	0.0	0.0
52	62	0.04	0.0	0.0	-0.17	0.0	-7.49	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.36	-0.08	0.0	0.0	0.0	0.0
52	91	0.04	0.0	0.0	-0.17	0.0	5.97	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.10	-0.08	0.0	0.0	0.0	0.0
52	94	0.04	0.0	0.0	-0.17	0.0	-6.67	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.55	-0.08	0.0	0.0	0.0	0.0
52	123	0.04	0.0	0.0	-0.17	0.0	11.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	11.39	-0.08	0.0	0.0	0.0	0.0
52	126	0.04	0.0	0.0	-0.17	0.0	-11.96	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.84	-0.08	0.0	0.0	0.0	0.0
53	2	0.05	0.0	0.0	-0.22	0.0	-0.43	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.60	-0.11	0.0	0.0	0.0	0.0
53	5	0.05	0.0	0.0	-0.22	0.0	0.02	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.15	-0.11	0.0	0.0	0.0	0.0
53	10	0.04	0.0	0.0	-0.17	0.0	-0.31	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.43	-0.08	0.0	0.0	0.0	0.0
53	11	0.04	0.0	0.0	-0.17	0.0	-4.16e-03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.13	-0.08	0.0	0.0	0.0	0.0
53	14	0.04	0.0	0.0	-0.17	0.0	-0.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.31	-0.08	0.0	0.0	0.0	0.0
53	15	0.04	0.0	0.0	-0.17	0.0	-0.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.16	-0.08	0.0	0.0	0.0	0.0
53	17	0.04	0.0	0.0	-0.17	0.0	-0.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.16	-0.08	0.0	0.0	0.0	0.0
53	18	0.04	0.0	0.0	-0.17	0.0	-0.12	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.25	-0.08	0.0	0.0	0.0	0.0
53	19	0.04	0.0	0.0	-0.17	0.0	-9.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.59	-0.08	0.0	0.0	0.0	0.0
53	22	0.04	0.0	0.0	-0.17	0.0	9.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.09	-0.08	0.0	0.0	0.0	0.0
53	59	0.04	0.0	0.0	-0.17	0.0	-6.99	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.12	-0.08	0.0	0.0	0.0	0.0
53	62	0.04	0.0	0.0	-0.17	0.0	6.75	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.62	-0.08	0.0	0.0	0.0	0.0
53	91	0.04	0.0	0.0	-0.17	0.0	-6.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.33	-0.08	0.0	0.0	0.0	0.0
53	94	0.04	0.0	0.0	-0.17	0.0	5.96	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.83	-0.08	0.0	0.0	0.0	0.0
53	115	0.04	0.0	0.0	-0.17	0.0	-11.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.46	-0.08	0.0	0.0	0.0	0.0
53	118	0.04	0.0	0.0	-0.17	0.0	11.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.96	-0.08	0.0	0.0	0.0	0.0
54	3	0.04	0.0	0.0	-0.17	0.0	-0.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.32	-0.08	0.0	0.0	0.0	0.0
54	6	0.05	0.0	0.0	-0.22	0.0	-0.84	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.67	-0.11	0.0	0.0	0.0	0.0

54	9	0.04	0.0	0.0	-0.17	0.0	-0.38	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.26	-0.08	0.0	0.0	0.0	0.0
54	12	0.04	0.0	0.0	-0.17	0.0	-0.59	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.46	-0.08	0.0	0.0	0.0	0.0
54	13	0.04	0.0	0.0	-0.17	0.0	-0.24	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.11	-0.08	0.0	0.0	0.0	0.0
54	16	0.04	0.0	0.0	-0.17	0.0	-0.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.21	-0.08	0.0	0.0	0.0	0.0
54	17	0.04	0.0	0.0	-0.17	0.0	-0.24	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.11	-0.08	0.0	0.0	0.0	0.0
54	18	0.04	0.0	0.0	-0.17	0.0	-0.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.16	-0.08	0.0	0.0	0.0	0.0
54	36	0.04	0.0	0.0	-0.17	0.0	-11.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.09	-0.08	0.0	0.0	0.0	0.0
54	37	0.04	0.0	0.0	-0.17	0.0	10.64	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.76	-0.08	0.0	0.0	0.0	0.0
54	72	0.04	0.0	0.0	-0.17	0.0	-8.53	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.40	-0.08	0.0	0.0	0.0	0.0
54	73	0.04	0.0	0.0	-0.17	0.0	7.95	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.08	-0.08	0.0	0.0	0.0	0.0
54	104	0.04	0.0	0.0	-0.17	0.0	-7.60	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.48	-0.08	0.0	0.0	0.0	0.0
54	105	0.04	0.0	0.0	-0.17	0.0	7.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.16	-0.08	0.0	0.0	0.0	0.0
54	132	0.04	0.0	0.0	-0.17	0.0	-13.47	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-13.34	-0.08	0.0	0.0	0.0	0.0
54	133	0.04	0.0	0.0	-0.17	0.0	12.90	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	13.02	-0.08	0.0	0.0	0.0	0.0
55	3	0.04	0.0	0.0	-0.17	0.0	0.38	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.26	-0.08	0.0	0.0	0.0	0.0
55	6	0.05	0.0	0.0	-0.22	0.0	0.77	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.60	-0.11	0.0	0.0	0.0	0.0
55	9	0.04	0.0	0.0	-0.17	0.0	0.31	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.18	-0.08	0.0	0.0	0.0	0.0
55	12	0.04	0.0	0.0	-0.17	0.0	0.53	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.41	-0.08	0.0	0.0	0.0	0.0
55	13	0.04	0.0	0.0	-0.17	0.0	0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.03	-0.08	0.0	0.0	0.0	0.0
55	16	0.04	0.0	0.0	-0.17	0.0	0.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.14	-0.08	0.0	0.0	0.0	0.0
55	17	0.04	0.0	0.0	-0.17	0.0	0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.03	-0.08	0.0	0.0	0.0	0.0
55	18	0.04	0.0	0.0	-0.17	0.0	0.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.09	-0.08	0.0	0.0	0.0	0.0
55	40	0.04	0.0	0.0	-0.17	0.0	11.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	11.35	-0.08	0.0	0.0	0.0	0.0
55	41	0.04	0.0	0.0	-0.17	0.0	-11.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.18	-0.08	0.0	0.0	0.0	0.0
55	72	0.04	0.0	0.0	-0.17	0.0	8.72	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.60	-0.08	0.0	0.0	0.0	0.0
55	73	0.04	0.0	0.0	-0.17	0.0	-8.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.42	-0.08	0.0	0.0	0.0	0.0
55	104	0.04	0.0	0.0	-0.17	0.0	7.77	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.64	-0.08	0.0	0.0	0.0	0.0
55	105	0.04	0.0	0.0	-0.17	0.0	-7.34	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.47	-0.08	0.0	0.0	0.0	0.0
55	136	0.04	0.0	0.0	-0.17	0.0	13.81	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	13.68	-0.08	0.0	0.0	0.0	0.0
55	137	0.04	0.0	0.0	-0.17	0.0	-13.38	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-13.50	-0.08	0.0	0.0	0.0	0.0
56	3	0.04	0.0	0.0	-0.17	0.0	-0.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.61	-0.08	0.0	0.0	0.0	0.0
56	6	0.05	0.0	0.0	-0.22	0.0	-0.82	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.99	-0.11	0.0	0.0	0.0	0.0
56	9	0.04	0.0	0.0	-0.17	0.0	-0.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.58	-0.08	0.0	0.0	0.0	0.0
56	12	0.04	0.0	0.0	-0.17	0.0	-0.58	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.71	-0.08	0.0	0.0	0.0	0.0
56	13	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.49	-0.08	0.0	0.0	0.0	0.0
56	16	0.04	0.0	0.0	-0.17	0.0	-0.42	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.55	-0.08	0.0	0.0	0.0	0.0
56	17	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.49	-0.08	0.0	0.0	0.0	0.0
56	18	0.04	0.0	0.0	-0.17	0.0	-0.39	0.08	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	200.0	-0.52	-0.08	0.0	0.0	0.0	0.0
56	24	0.04	0.0	0.0	-0.17	0.0	-8.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.31	-0.08	0.0	0.0	0.0	0.0
56	25	0.04	0.0	0.0	-0.17	0.0	7.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.28	-0.08	0.0	0.0	0.0	0.0
56	56	0.04	0.0	0.0	-0.17	0.0	-6.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.45	-0.08	0.0	0.0	0.0	0.0
56	57	0.04	0.0	0.0	-0.17	0.0	5.54	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.42	-0.08	0.0	0.0	0.0	0.0
56	88	0.04	0.0	0.0	-0.17	0.0	-5.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-5.79	-0.08	0.0	0.0	0.0	0.0
56	89	0.04	0.0	0.0	-0.17	0.0	4.88	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	4.75	-0.08	0.0	0.0	0.0	0.0
56	120	0.04	0.0	0.0	-0.17	0.0	-9.70	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.82	-0.08	0.0	0.0	0.0	0.0
56	121	0.04	0.0	0.0	-0.17	0.0	8.92	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.79	-0.08	0.0	0.0	0.0	0.0
57	1	0.05	0.0	0.0	-0.22	0.0	-0.55	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.39	-0.11	0.0	0.0	0.0	0.0
57	8	0.04	0.0	0.0	-0.17	0.0	-0.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.02	-0.08	0.0	0.0	0.0	0.0
57	9	0.04	0.0	0.0	-0.17	0.0	-0.40	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.28	-0.08	0.0	0.0	0.0	0.0
57	12	0.04	0.0	0.0	-0.17	0.0	-0.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.16	-0.08	0.0	0.0	0.0	0.0
57	13	0.04	0.0	0.0	-0.17	0.0	-0.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.35	-0.08	0.0	0.0	0.0	0.0
57	16	0.04	0.0	0.0	-0.17	0.0	-0.43	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.30	-0.08	0.0	0.0	0.0	0.0
57	17	0.04	0.0	0.0	-0.17	0.0	-0.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.35	-0.08	0.0	0.0	0.0	0.0
57	18	0.04	0.0	0.0	-0.17	0.0	-0.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.33	-0.08	0.0	0.0	0.0	0.0
57	24	0.04	0.0	0.0	-0.17	0.0	7.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.31	-0.08	0.0	0.0	0.0	0.0
57	25	0.04	0.0	0.0	-0.17	0.0	-8.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.96	-0.08	0.0	0.0	0.0	0.0
57	56	0.04	0.0	0.0	-0.17	0.0	5.34	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.47	-0.08	0.0	0.0	0.0	0.0
57	57	0.04	0.0	0.0	-0.17	0.0	-6.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.13	-0.08	0.0	0.0	0.0	0.0
57	88	0.04	0.0	0.0	-0.17	0.0	4.69	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	4.82	-0.08	0.0	0.0	0.0	0.0
57	89	0.04	0.0	0.0	-0.17	0.0	-5.61	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-5.48	-0.08	0.0	0.0	0.0	0.0
57	120	0.04	0.0	0.0	-0.17	0.0	8.65	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.77	-0.08	0.0	0.0	0.0	0.0
57	121	0.04	0.0	0.0	-0.17	0.0	-9.56	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.43	-0.08	0.0	0.0	0.0	0.0
58	1	0.05	0.0	0.0	-0.22	0.0	-0.79	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.62	-0.11	0.0	0.0	0.0	0.0
58	4	0.04	0.0	0.0	-0.17	0.0	0.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.15	-0.08	0.0	0.0	0.0	0.0
58	9	0.04	0.0	0.0	-0.17	0.0	-0.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.43	-0.08	0.0	0.0	0.0	0.0
58	10	0.04	0.0	0.0	-0.17	0.0	-0.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.09	-0.08	0.0	0.0	0.0	0.0
58	13	0.04	0.0	0.0	-0.17	0.0	-0.56	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.43	-0.08	0.0	0.0	0.0	0.0
58	14	0.04	0.0	0.0	-0.17	0.0	-0.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.26	-0.08	0.0	0.0	0.0	0.0
58	17	0.04	0.0	0.0	-0.17	0.0	-0.56	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.43	-0.08	0.0	0.0	0.0	0.0
58	18	0.04	0.0	0.0	-0.17	0.0	-0.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.33	-0.08	0.0	0.0	0.0	0.0
58	28	0.04	0.0	0.0	-0.17	0.0	10.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.49	-0.08	0.0	0.0	0.0	0.0
58	29	0.04	0.0	0.0	-0.17	0.0	-11.27	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.15	-0.08	0.0	0.0	0.0	0.0
58	60	0.04	0.0	0.0	-0.17	0.0	7.61	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.74	-0.08	0.0	0.0	0.0	0.0
58	61	0.04	0.0	0.0	-0.17	0.0	-8.53	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.40	-0.08	0.0	0.0	0.0	0.0
58	92	0.04	0.0	0.0	-0.17	0.0	6.70	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.82	-0.08	0.0	0.0	0.0	0.0

58	93	0.04	0.0	0.0	-0.17	0.0	-7.61	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.49	-0.08	0.0	0.0	0.0	0.0
58	124	0.04	0.0	0.0	-0.17	0.0	12.54	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	12.66	-0.08	0.0	0.0	0.0	0.0
58	125	0.04	0.0	0.0	-0.17	0.0	-13.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-13.33	-0.08	0.0	0.0	0.0	0.0
59	2	0.05	0.0	0.0	-0.22	0.0	-0.67	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.83	-0.11	0.0	0.0	0.0	0.0
59	7	0.04	0.0	0.0	-0.17	0.0	-0.14	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.27	-0.08	0.0	0.0	0.0	0.0
59	10	0.04	0.0	0.0	-0.17	0.0	-0.47	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.59	-0.08	0.0	0.0	0.0	0.0
59	11	0.04	0.0	0.0	-0.17	0.0	-0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.29	-0.08	0.0	0.0	0.0	0.0
59	14	0.04	0.0	0.0	-0.17	0.0	-0.34	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.46	-0.08	0.0	0.0	0.0	0.0
59	15	0.04	0.0	0.0	-0.17	0.0	-0.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.31	-0.08	0.0	0.0	0.0	0.0
59	17	0.04	0.0	0.0	-0.17	0.0	-0.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.31	-0.08	0.0	0.0	0.0	0.0
59	18	0.04	0.0	0.0	-0.17	0.0	-0.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.40	-0.08	0.0	0.0	0.0	0.0
59	27	0.04	0.0	0.0	-0.17	0.0	-10.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.67	-0.08	0.0	0.0	0.0	0.0
59	30	0.04	0.0	0.0	-0.17	0.0	9.99	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.87	-0.08	0.0	0.0	0.0	0.0
59	59	0.04	0.0	0.0	-0.17	0.0	-7.91	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.04	-0.08	0.0	0.0	0.0	0.0
59	62	0.04	0.0	0.0	-0.17	0.0	7.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.23	-0.08	0.0	0.0	0.0	0.0
59	91	0.04	0.0	0.0	-0.17	0.0	-7.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.17	-0.08	0.0	0.0	0.0	0.0
59	94	0.04	0.0	0.0	-0.17	0.0	6.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.36	-0.08	0.0	0.0	0.0	0.0
59	123	0.04	0.0	0.0	-0.17	0.0	-12.60	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-12.73	-0.08	0.0	0.0	0.0	0.0
59	126	0.04	0.0	0.0	-0.17	0.0	12.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	11.92	-0.08	0.0	0.0	0.0	0.0
60	3	0.04	0.0	0.0	-0.17	0.0	-0.63	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.50	-0.08	0.0	0.0	0.0	0.0
60	6	0.05	0.0	0.0	-0.22	0.0	-1.10	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.93	-0.11	0.0	0.0	0.0	0.0
60	9	0.04	0.0	0.0	-0.17	0.0	-0.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.42	-0.08	0.0	0.0	0.0	0.0
60	12	0.04	0.0	0.0	-0.17	0.0	-0.78	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.65	-0.08	0.0	0.0	0.0	0.0
60	13	0.04	0.0	0.0	-0.17	0.0	-0.38	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.26	-0.08	0.0	0.0	0.0	0.0
60	16	0.04	0.0	0.0	-0.17	0.0	-0.49	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.36	-0.08	0.0	0.0	0.0	0.0
60	17	0.04	0.0	0.0	-0.17	0.0	-0.38	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.26	-0.08	0.0	0.0	0.0	0.0
60	18	0.04	0.0	0.0	-0.17	0.0	-0.43	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.31	-0.08	0.0	0.0	0.0	0.0
60	36	0.04	0.0	0.0	-0.17	0.0	-13.69	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-13.56	-0.08	0.0	0.0	0.0	0.0
60	37	0.04	0.0	0.0	-0.17	0.0	12.82	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	12.95	-0.08	0.0	0.0	0.0	0.0
60	68	0.04	0.0	0.0	-0.17	0.0	-10.42	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.29	-0.08	0.0	0.0	0.0	0.0
60	69	0.04	0.0	0.0	-0.17	0.0	9.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.68	-0.08	0.0	0.0	0.0	0.0
60	100	0.04	0.0	0.0	-0.17	0.0	-9.30	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.17	-0.08	0.0	0.0	0.0	0.0
60	101	0.04	0.0	0.0	-0.17	0.0	8.43	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.56	-0.08	0.0	0.0	0.0	0.0
60	132	0.04	0.0	0.0	-0.17	0.0	-16.42	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-16.30	-0.08	0.0	0.0	0.0	0.0
60	133	0.04	0.0	0.0	-0.17	0.0	15.56	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	15.68	-0.08	0.0	0.0	0.0	0.0
61	1	0.05	0.0	0.0	-0.22	0.0	0.30	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.14	-0.11	0.0	0.0	0.0	0.0
61	6	0.05	0.0	0.0	-0.22	0.0	0.73	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.56	-0.11	0.0	0.0	0.0	0.0
61	9	0.04	0.0	0.0	-0.17	0.0	0.21	0.08	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	200.0	0.08	-0.08	0.0	0.0	0.0	0.0
61	12	0.04	0.0	0.0	-0.17	0.0	0.49	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.36	-0.08	0.0	0.0	0.0	0.0
61	13	0.04	0.0	0.0	-0.17	0.0	0.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.10	-0.08	0.0	0.0	0.0	0.0
61	16	0.04	0.0	0.0	-0.17	0.0	0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.03	-0.08	0.0	0.0	0.0	0.0
61	17	0.04	0.0	0.0	-0.17	0.0	0.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.10	-0.08	0.0	0.0	0.0	0.0
61	18	0.04	0.0	0.0	-0.17	0.0	0.10	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.03	-0.08	0.0	0.0	0.0	0.0
61	40	0.04	0.0	0.0	-0.17	0.0	14.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	14.02	-0.08	0.0	0.0	0.0	0.0
61	41	0.04	0.0	0.0	-0.17	0.0	-13.96	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-14.09	-0.08	0.0	0.0	0.0	0.0
61	72	0.04	0.0	0.0	-0.17	0.0	10.72	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.60	-0.08	0.0	0.0	0.0	0.0
61	73	0.04	0.0	0.0	-0.17	0.0	-10.53	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.66	-0.08	0.0	0.0	0.0	0.0
61	104	0.04	0.0	0.0	-0.17	0.0	9.53	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.41	-0.08	0.0	0.0	0.0	0.0
61	105	0.04	0.0	0.0	-0.17	0.0	-9.34	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.47	-0.08	0.0	0.0	0.0	0.0
61	136	0.04	0.0	0.0	-0.17	0.0	17.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	16.93	-0.08	0.0	0.0	0.0	0.0
61	137	0.04	0.0	0.0	-0.17	0.0	-16.87	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-16.99	-0.08	0.0	0.0	0.0	0.0
62	3	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.49	-0.08	0.0	0.0	0.0	0.0
62	6	0.05	0.0	0.0	-0.22	0.0	-0.64	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.81	-0.11	0.0	0.0	0.0	0.0
62	9	0.04	0.0	0.0	-0.17	0.0	-0.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.44	-0.08	0.0	0.0	0.0	0.0
62	12	0.04	0.0	0.0	-0.17	0.0	-0.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.58	-0.08	0.0	0.0	0.0	0.0
62	13	0.04	0.0	0.0	-0.17	0.0	-0.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.35	-0.08	0.0	0.0	0.0	0.0
62	16	0.04	0.0	0.0	-0.17	0.0	-0.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.41	-0.08	0.0	0.0	0.0	0.0
62	17	0.04	0.0	0.0	-0.17	0.0	-0.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.35	-0.08	0.0	0.0	0.0	0.0
62	18	0.04	0.0	0.0	-0.17	0.0	-0.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.38	-0.08	0.0	0.0	0.0	0.0
62	24	0.04	0.0	0.0	-0.17	0.0	-8.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.79	-0.08	0.0	0.0	0.0	0.0
62	25	0.04	0.0	0.0	-0.17	0.0	8.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.03	-0.08	0.0	0.0	0.0	0.0
62	56	0.04	0.0	0.0	-0.17	0.0	-6.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.79	-0.08	0.0	0.0	0.0	0.0
62	57	0.04	0.0	0.0	-0.17	0.0	6.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.03	-0.08	0.0	0.0	0.0	0.0
62	88	0.04	0.0	0.0	-0.17	0.0	-5.94	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.07	-0.08	0.0	0.0	0.0	0.0
62	89	0.04	0.0	0.0	-0.17	0.0	5.44	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.31	-0.08	0.0	0.0	0.0	0.0
62	120	0.04	0.0	0.0	-0.17	0.0	-10.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.41	-0.08	0.0	0.0	0.0	0.0
62	121	0.04	0.0	0.0	-0.17	0.0	9.78	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.65	-0.08	0.0	0.0	0.0	0.0
63	1	0.05	0.0	0.0	-0.22	0.0	-0.31	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.15	-0.11	0.0	0.0	0.0	0.0
63	8	0.04	0.0	0.0	-0.17	0.0	0.01	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.14	-0.08	0.0	0.0	0.0	0.0
63	9	0.04	0.0	0.0	-0.17	0.0	-0.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.10	-0.08	0.0	0.0	0.0	0.0
63	12	0.04	0.0	0.0	-0.17	0.0	-0.12	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.76e-03	-0.08	0.0	0.0	0.0	0.0
63	13	0.04	0.0	0.0	-0.17	0.0	-0.31	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.19	-0.08	0.0	0.0	0.0	0.0
63	16	0.04	0.0	0.0	-0.17	0.0	-0.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.13	-0.08	0.0	0.0	0.0	0.0
63	17	0.04	0.0	0.0	-0.17	0.0	-0.31	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.19	-0.08	0.0	0.0	0.0	0.0
63	18	0.04	0.0	0.0	-0.17	0.0	-0.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.16	-0.08	0.0	0.0	0.0	0.0

63	24	0.04	0.0	0.0	-0.17	0.0	7.82	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.94	-0.08	0.0	0.0	0.0	0.0
63	25	0.04	0.0	0.0	-0.17	0.0	-8.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.27	-0.08	0.0	0.0	0.0	0.0
63	56	0.04	0.0	0.0	-0.17	0.0	5.88	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.00	-0.08	0.0	0.0	0.0	0.0
63	57	0.04	0.0	0.0	-0.17	0.0	-6.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.33	-0.08	0.0	0.0	0.0	0.0
63	88	0.04	0.0	0.0	-0.17	0.0	5.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.31	-0.08	0.0	0.0	0.0	0.0
63	89	0.04	0.0	0.0	-0.17	0.0	-5.76	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-5.64	-0.08	0.0	0.0	0.0	0.0
63	120	0.04	0.0	0.0	-0.17	0.0	9.37	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.49	-0.08	0.0	0.0	0.0	0.0
63	121	0.04	0.0	0.0	-0.17	0.0	-9.94	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.82	-0.08	0.0	0.0	0.0	0.0
64	1	0.05	0.0	0.0	-0.22	0.0	-0.58	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.42	-0.11	0.0	0.0	0.0	0.0
64	4	0.04	0.0	0.0	-0.17	0.0	0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.29	-0.08	0.0	0.0	0.0	0.0
64	9	0.04	0.0	0.0	-0.17	0.0	-0.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.28	-0.08	0.0	0.0	0.0	0.0
64	10	0.04	0.0	0.0	-0.17	0.0	-0.07	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.06	-0.08	0.0	0.0	0.0	0.0
64	13	0.04	0.0	0.0	-0.17	0.0	-0.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.29	-0.08	0.0	0.0	0.0	0.0
64	14	0.04	0.0	0.0	-0.17	0.0	-0.24	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.12	-0.08	0.0	0.0	0.0	0.0
64	17	0.04	0.0	0.0	-0.17	0.0	-0.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.29	-0.08	0.0	0.0	0.0	0.0
64	18	0.04	0.0	0.0	-0.17	0.0	-0.31	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.18	-0.08	0.0	0.0	0.0	0.0
64	28	0.04	0.0	0.0	-0.17	0.0	10.88	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	11.00	-0.08	0.0	0.0	0.0	0.0
64	29	0.04	0.0	0.0	-0.17	0.0	-11.50	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.37	-0.08	0.0	0.0	0.0	0.0
64	60	0.04	0.0	0.0	-0.17	0.0	8.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.17	-0.08	0.0	0.0	0.0	0.0
64	61	0.04	0.0	0.0	-0.17	0.0	-8.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.54	-0.08	0.0	0.0	0.0	0.0
64	92	0.04	0.0	0.0	-0.17	0.0	7.10	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.22	-0.08	0.0	0.0	0.0	0.0
64	93	0.04	0.0	0.0	-0.17	0.0	-7.72	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.59	-0.08	0.0	0.0	0.0	0.0
64	124	0.04	0.0	0.0	-0.17	0.0	13.13	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	13.25	-0.08	0.0	0.0	0.0	0.0
64	125	0.04	0.0	0.0	-0.17	0.0	-13.75	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-13.62	-0.08	0.0	0.0	0.0	0.0
65	2	0.05	0.0	0.0	-0.22	0.0	-0.51	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.68	-0.11	0.0	0.0	0.0	0.0
65	5	0.05	0.0	0.0	-0.22	0.0	-0.03	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.20	-0.11	0.0	0.0	0.0	0.0
65	10	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.49	-0.08	0.0	0.0	0.0	0.0
65	11	0.04	0.0	0.0	-0.17	0.0	-0.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.16	-0.08	0.0	0.0	0.0	0.0
65	14	0.04	0.0	0.0	-0.17	0.0	-0.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.34	-0.08	0.0	0.0	0.0	0.0
65	15	0.04	0.0	0.0	-0.17	0.0	-0.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.18	-0.08	0.0	0.0	0.0	0.0
65	17	0.04	0.0	0.0	-0.17	0.0	-0.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.19	-0.08	0.0	0.0	0.0	0.0
65	18	0.04	0.0	0.0	-0.17	0.0	-0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.28	-0.08	0.0	0.0	0.0	0.0
65	27	0.04	0.0	0.0	-0.17	0.0	-11.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.16	-0.08	0.0	0.0	0.0	0.0
65	30	0.04	0.0	0.0	-0.17	0.0	10.72	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.59	-0.08	0.0	0.0	0.0	0.0
65	59	0.04	0.0	0.0	-0.17	0.0	-8.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.38	-0.08	0.0	0.0	0.0	0.0
65	62	0.04	0.0	0.0	-0.17	0.0	7.94	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.82	-0.08	0.0	0.0	0.0	0.0
65	91	0.04	0.0	0.0	-0.17	0.0	-7.34	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.46	-0.08	0.0	0.0	0.0	0.0
65	94	0.04	0.0	0.0	-0.17	0.0	7.02	0.08	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	200.0	6.90	-0.08	0.0	0.0	0.0	0.0
65	123	0.04	0.0	0.0	-0.17	0.0	-13.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-13.33	-0.08	0.0	0.0	0.0	0.0
65	126	0.04	0.0	0.0	-0.17	0.0	12.89	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	12.77	-0.08	0.0	0.0	0.0	0.0
66	3	0.04	0.0	0.0	-0.17	0.0	-0.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.35	-0.08	0.0	0.0	0.0	0.0
66	6	0.05	0.0	0.0	-0.22	0.0	-0.93	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.77	-0.11	0.0	0.0	0.0	0.0
66	9	0.04	0.0	0.0	-0.17	0.0	-0.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.27	-0.08	0.0	0.0	0.0	0.0
66	12	0.04	0.0	0.0	-0.17	0.0	-0.65	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.52	-0.08	0.0	0.0	0.0	0.0
66	13	0.04	0.0	0.0	-0.17	0.0	-0.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.09	-0.08	0.0	0.0	0.0	0.0
66	16	0.04	0.0	0.0	-0.17	0.0	-0.34	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.21	-0.08	0.0	0.0	0.0	0.0
66	17	0.04	0.0	0.0	-0.17	0.0	-0.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.09	-0.08	0.0	0.0	0.0	0.0
66	18	0.04	0.0	0.0	-0.17	0.0	-0.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.15	-0.08	0.0	0.0	0.0	0.0
66	40	0.04	0.0	0.0	-0.17	0.0	-14.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-14.06	-0.08	0.0	0.0	0.0	0.0
66	41	0.04	0.0	0.0	-0.17	0.0	13.63	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	13.76	-0.08	0.0	0.0	0.0	0.0
66	72	0.04	0.0	0.0	-0.17	0.0	-10.78	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.65	-0.08	0.0	0.0	0.0	0.0
66	73	0.04	0.0	0.0	-0.17	0.0	10.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.35	-0.08	0.0	0.0	0.0	0.0
66	104	0.04	0.0	0.0	-0.17	0.0	-9.60	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.48	-0.08	0.0	0.0	0.0	0.0
66	105	0.04	0.0	0.0	-0.17	0.0	9.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.17	-0.08	0.0	0.0	0.0	0.0
66	136	0.04	0.0	0.0	-0.17	0.0	-17.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-16.93	-0.08	0.0	0.0	0.0	0.0
66	137	0.04	0.0	0.0	-0.17	0.0	16.50	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	16.62	-0.08	0.0	0.0	0.0	0.0
67	3	0.04	0.0	0.0	-0.17	0.0	0.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.33	-0.08	0.0	0.0	0.0	0.0
67	6	0.05	0.0	0.0	-0.22	0.0	0.92	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.76	-0.11	0.0	0.0	0.0	0.0
67	9	0.04	0.0	0.0	-0.17	0.0	0.37	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.25	-0.08	0.0	0.0	0.0	0.0
67	12	0.04	0.0	0.0	-0.17	0.0	0.64	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.51	-0.08	0.0	0.0	0.0	0.0
67	13	0.04	0.0	0.0	-0.17	0.0	0.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.07	-0.08	0.0	0.0	0.0	0.0
67	16	0.04	0.0	0.0	-0.17	0.0	0.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.19	-0.08	0.0	0.0	0.0	0.0
67	17	0.04	0.0	0.0	-0.17	0.0	0.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.07	-0.08	0.0	0.0	0.0	0.0
67	18	0.04	0.0	0.0	-0.17	0.0	0.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.13	-0.08	0.0	0.0	0.0	0.0
67	40	0.04	0.0	0.0	-0.17	0.0	14.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	14.11	-0.08	0.0	0.0	0.0	0.0
67	41	0.04	0.0	0.0	-0.17	0.0	-13.71	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-13.84	-0.08	0.0	0.0	0.0	0.0
67	72	0.04	0.0	0.0	-0.17	0.0	10.81	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.69	-0.08	0.0	0.0	0.0	0.0
67	73	0.04	0.0	0.0	-0.17	0.0	-10.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.42	-0.08	0.0	0.0	0.0	0.0
67	104	0.04	0.0	0.0	-0.17	0.0	9.63	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.51	-0.08	0.0	0.0	0.0	0.0
67	105	0.04	0.0	0.0	-0.17	0.0	-9.11	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.24	-0.08	0.0	0.0	0.0	0.0
67	136	0.04	0.0	0.0	-0.17	0.0	17.11	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	16.99	-0.08	0.0	0.0	0.0	0.0
67	137	0.04	0.0	0.0	-0.17	0.0	-16.59	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-16.72	-0.08	0.0	0.0	0.0	0.0
68	3	0.04	0.0	0.0	-0.17	0.0	-0.57	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.69	-0.08	0.0	0.0	0.0	0.0
68	6	0.05	0.0	0.0	-0.22	0.0	-0.95	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-1.11	-0.11	0.0	0.0	0.0	0.0
68	9	0.04	0.0	0.0	-0.17	0.0	-0.53	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.66	-0.08	0.0	0.0	0.0	0.0

68	12	0.04	0.0	0.0	-0.17	0.0	-0.68	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.81	-0.08	0.0	0.0	0.0	0.0
68	13	0.04	0.0	0.0	-0.17	0.0	-0.43	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.55	-0.08	0.0	0.0	0.0	0.0
68	16	0.04	0.0	0.0	-0.17	0.0	-0.50	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.62	-0.08	0.0	0.0	0.0	0.0
68	17	0.04	0.0	0.0	-0.17	0.0	-0.43	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.55	-0.08	0.0	0.0	0.0	0.0
68	18	0.04	0.0	0.0	-0.17	0.0	-0.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.59	-0.08	0.0	0.0	0.0	0.0
68	24	0.04	0.0	0.0	-0.17	0.0	-9.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.28	-0.08	0.0	0.0	0.0	0.0
68	25	0.04	0.0	0.0	-0.17	0.0	8.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.10	-0.08	0.0	0.0	0.0	0.0
68	56	0.04	0.0	0.0	-0.17	0.0	-7.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.22	-0.08	0.0	0.0	0.0	0.0
68	57	0.04	0.0	0.0	-0.17	0.0	6.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.04	-0.08	0.0	0.0	0.0	0.0
68	88	0.04	0.0	0.0	-0.17	0.0	-6.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.48	-0.08	0.0	0.0	0.0	0.0
68	89	0.04	0.0	0.0	-0.17	0.0	5.43	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.30	-0.08	0.0	0.0	0.0	0.0
68	120	0.04	0.0	0.0	-0.17	0.0	-10.83	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.96	-0.08	0.0	0.0	0.0	0.0
68	121	0.04	0.0	0.0	-0.17	0.0	9.91	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.78	-0.08	0.0	0.0	0.0	0.0
69	1	0.05	0.0	0.0	-0.22	0.0	-0.78	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.61	-0.11	0.0	0.0	0.0	0.0
69	8	0.04	0.0	0.0	-0.17	0.0	-0.34	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.21	-0.08	0.0	0.0	0.0	0.0
69	9	0.04	0.0	0.0	-0.17	0.0	-0.57	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.44	-0.08	0.0	0.0	0.0	0.0
69	12	0.04	0.0	0.0	-0.17	0.0	-0.47	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.35	-0.08	0.0	0.0	0.0	0.0
69	13	0.04	0.0	0.0	-0.17	0.0	-0.64	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.51	-0.08	0.0	0.0	0.0	0.0
69	16	0.04	0.0	0.0	-0.17	0.0	-0.59	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.47	-0.08	0.0	0.0	0.0	0.0
69	17	0.04	0.0	0.0	-0.17	0.0	-0.64	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.51	-0.08	0.0	0.0	0.0	0.0
69	18	0.04	0.0	0.0	-0.17	0.0	-0.62	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.49	-0.08	0.0	0.0	0.0	0.0
69	24	0.04	0.0	0.0	-0.17	0.0	7.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.57	-0.08	0.0	0.0	0.0	0.0
69	25	0.04	0.0	0.0	-0.17	0.0	-8.68	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.56	-0.08	0.0	0.0	0.0	0.0
69	56	0.04	0.0	0.0	-0.17	0.0	5.51	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.64	-0.08	0.0	0.0	0.0	0.0
69	57	0.04	0.0	0.0	-0.17	0.0	-6.75	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.62	-0.08	0.0	0.0	0.0	0.0
69	88	0.04	0.0	0.0	-0.17	0.0	4.83	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	4.95	-0.08	0.0	0.0	0.0	0.0
69	89	0.04	0.0	0.0	-0.17	0.0	-6.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-5.94	-0.08	0.0	0.0	0.0	0.0
69	120	0.04	0.0	0.0	-0.17	0.0	8.98	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.10	-0.08	0.0	0.0	0.0	0.0
69	121	0.04	0.0	0.0	-0.17	0.0	-10.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.09	-0.08	0.0	0.0	0.0	0.0
70	1	0.05	0.0	0.0	-0.22	0.0	-0.95	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.79	-0.11	0.0	0.0	0.0	0.0
70	4	0.04	0.0	0.0	-0.17	0.0	-0.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.06	-0.08	0.0	0.0	0.0	0.0
70	9	0.04	0.0	0.0	-0.17	0.0	-0.68	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.55	-0.08	0.0	0.0	0.0	0.0
70	10	0.04	0.0	0.0	-0.17	0.0	-0.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.20	-0.08	0.0	0.0	0.0	0.0
70	13	0.04	0.0	0.0	-0.17	0.0	-0.70	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.57	-0.08	0.0	0.0	0.0	0.0
70	14	0.04	0.0	0.0	-0.17	0.0	-0.52	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.39	-0.08	0.0	0.0	0.0	0.0
70	17	0.04	0.0	0.0	-0.17	0.0	-0.70	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.57	-0.08	0.0	0.0	0.0	0.0
70	18	0.04	0.0	0.0	-0.17	0.0	-0.59	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.46	-0.08	0.0	0.0	0.0	0.0
70	28	0.04	0.0	0.0	-0.17	0.0	10.89	0.08	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	200.0	11.02	-0.08	0.0	0.0	0.0	0.0
70	29	0.04	0.0	0.0	-0.17	0.0	-12.07	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.95	-0.08	0.0	0.0	0.0	0.0
70	60	0.04	0.0	0.0	-0.17	0.0	8.01	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.14	-0.08	0.0	0.0	0.0	0.0
70	61	0.04	0.0	0.0	-0.17	0.0	-9.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.07	-0.08	0.0	0.0	0.0	0.0
70	92	0.04	0.0	0.0	-0.17	0.0	7.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.17	-0.08	0.0	0.0	0.0	0.0
70	93	0.04	0.0	0.0	-0.17	0.0	-8.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.09	-0.08	0.0	0.0	0.0	0.0
70	124	0.04	0.0	0.0	-0.17	0.0	13.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	13.33	-0.08	0.0	0.0	0.0	0.0
70	125	0.04	0.0	0.0	-0.17	0.0	-14.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-14.26	-0.08	0.0	0.0	0.0	0.0
71	2	0.05	0.0	0.0	-0.22	0.0	-0.72	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.88	-0.11	0.0	0.0	0.0	0.0
71	7	0.04	0.0	0.0	-0.17	0.0	-0.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.31	-0.08	0.0	0.0	0.0	0.0
71	10	0.04	0.0	0.0	-0.17	0.0	-0.51	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.64	-0.08	0.0	0.0	0.0	0.0
71	11	0.04	0.0	0.0	-0.17	0.0	-0.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.33	-0.08	0.0	0.0	0.0	0.0
71	14	0.04	0.0	0.0	-0.17	0.0	-0.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.52	-0.08	0.0	0.0	0.0	0.0
71	15	0.04	0.0	0.0	-0.17	0.0	-0.24	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.36	-0.08	0.0	0.0	0.0	0.0
71	17	0.04	0.0	0.0	-0.17	0.0	-0.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.37	-0.08	0.0	0.0	0.0	0.0
71	18	0.04	0.0	0.0	-0.17	0.0	-0.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.46	-0.08	0.0	0.0	0.0	0.0
71	27	0.04	0.0	0.0	-0.17	0.0	-11.07	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.20	-0.08	0.0	0.0	0.0	0.0
71	30	0.04	0.0	0.0	-0.17	0.0	10.40	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.28	-0.08	0.0	0.0	0.0	0.0
71	59	0.04	0.0	0.0	-0.17	0.0	-8.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.45	-0.08	0.0	0.0	0.0	0.0
71	62	0.04	0.0	0.0	-0.17	0.0	7.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.53	-0.08	0.0	0.0	0.0	0.0
71	91	0.04	0.0	0.0	-0.17	0.0	-7.42	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.54	-0.08	0.0	0.0	0.0	0.0
71	94	0.04	0.0	0.0	-0.17	0.0	6.75	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.62	-0.08	0.0	0.0	0.0	0.0
71	123	0.04	0.0	0.0	-0.17	0.0	-13.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-13.33	-0.08	0.0	0.0	0.0	0.0
71	126	0.04	0.0	0.0	-0.17	0.0	12.54	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	12.41	-0.08	0.0	0.0	0.0	0.0
72	3	0.04	0.0	0.0	-0.17	0.0	-0.51	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.38	-0.08	0.0	0.0	0.0	0.0
72	6	0.05	0.0	0.0	-0.22	0.0	-0.96	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.79	-0.11	0.0	0.0	0.0	0.0
72	9	0.04	0.0	0.0	-0.17	0.0	-0.42	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.29	-0.08	0.0	0.0	0.0	0.0
72	12	0.04	0.0	0.0	-0.17	0.0	-0.67	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.54	-0.08	0.0	0.0	0.0	0.0
72	13	0.04	0.0	0.0	-0.17	0.0	-0.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.12	-0.08	0.0	0.0	0.0	0.0
72	16	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.24	-0.08	0.0	0.0	0.0	0.0
72	17	0.04	0.0	0.0	-0.17	0.0	-0.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.12	-0.08	0.0	0.0	0.0	0.0
72	18	0.04	0.0	0.0	-0.17	0.0	-0.31	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.18	-0.08	0.0	0.0	0.0	0.0
72	40	0.04	0.0	0.0	-0.17	0.0	-14.10	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-13.97	-0.08	0.0	0.0	0.0	0.0
72	41	0.04	0.0	0.0	-0.17	0.0	13.49	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	13.62	-0.08	0.0	0.0	0.0	0.0
72	72	0.04	0.0	0.0	-0.17	0.0	-10.72	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.59	-0.08	0.0	0.0	0.0	0.0
72	73	0.04	0.0	0.0	-0.17	0.0	10.11	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.23	-0.08	0.0	0.0	0.0	0.0
72	104	0.04	0.0	0.0	-0.17	0.0	-9.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.42	-0.08	0.0	0.0	0.0	0.0
72	105	0.04	0.0	0.0	-0.17	0.0	8.94	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.07	-0.08	0.0	0.0	0.0	0.0

72	132	0.04	0.0	0.0	-0.17	0.0	-16.94	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-16.82	-0.08	0.0	0.0	0.0	0.0
72	133	0.04	0.0	0.0	-0.17	0.0	16.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	16.46	-0.08	0.0	0.0	0.0	0.0
73	3	0.04	0.0	0.0	-0.17	0.0	0.43	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.30	-0.08	0.0	0.0	0.0	0.0
73	6	0.05	0.0	0.0	-0.22	0.0	0.89	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.72	-0.11	0.0	0.0	0.0	0.0
73	9	0.04	0.0	0.0	-0.17	0.0	0.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.21	-0.08	0.0	0.0	0.0	0.0
73	12	0.04	0.0	0.0	-0.17	0.0	0.61	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.48	-0.08	0.0	0.0	0.0	0.0
73	13	0.04	0.0	0.0	-0.17	0.0	0.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.03	-0.08	0.0	0.0	0.0	0.0
73	16	0.04	0.0	0.0	-0.17	0.0	0.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.15	-0.08	0.0	0.0	0.0	0.0
73	17	0.04	0.0	0.0	-0.17	0.0	0.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.03	-0.08	0.0	0.0	0.0	0.0
73	18	0.04	0.0	0.0	-0.17	0.0	0.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.09	-0.08	0.0	0.0	0.0	0.0
73	40	0.04	0.0	0.0	-0.17	0.0	14.62	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	14.49	-0.08	0.0	0.0	0.0	0.0
73	41	0.04	0.0	0.0	-0.17	0.0	-14.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-14.31	-0.08	0.0	0.0	0.0	0.0
73	72	0.04	0.0	0.0	-0.17	0.0	11.10	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.98	-0.08	0.0	0.0	0.0	0.0
73	73	0.04	0.0	0.0	-0.17	0.0	-10.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.79	-0.08	0.0	0.0	0.0	0.0
73	104	0.04	0.0	0.0	-0.17	0.0	9.89	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.76	-0.08	0.0	0.0	0.0	0.0
73	105	0.04	0.0	0.0	-0.17	0.0	-9.44	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.57	-0.08	0.0	0.0	0.0	0.0
73	136	0.04	0.0	0.0	-0.17	0.0	17.59	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	17.47	-0.08	0.0	0.0	0.0	0.0
73	137	0.04	0.0	0.0	-0.17	0.0	-17.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-17.28	-0.08	0.0	0.0	0.0	0.0
74	3	0.04	0.0	0.0	-0.17	0.0	-0.78	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.90	-0.08	0.0	0.0	0.0	0.0
74	6	0.05	0.0	0.0	-0.22	0.0	-1.27	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-1.44	-0.11	0.0	0.0	0.0	0.0
74	9	0.04	0.0	0.0	-0.17	0.0	-0.76	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.89	-0.08	0.0	0.0	0.0	0.0
74	12	0.04	0.0	0.0	-0.17	0.0	-0.91	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-1.04	-0.08	0.0	0.0	0.0	0.0
74	13	0.04	0.0	0.0	-0.17	0.0	-0.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.78	-0.08	0.0	0.0	0.0	0.0
74	16	0.04	0.0	0.0	-0.17	0.0	-0.73	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.85	-0.08	0.0	0.0	0.0	0.0
74	17	0.04	0.0	0.0	-0.17	0.0	-0.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.78	-0.08	0.0	0.0	0.0	0.0
74	18	0.04	0.0	0.0	-0.17	0.0	-0.69	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.82	-0.08	0.0	0.0	0.0	0.0
74	24	0.04	0.0	0.0	-0.17	0.0	-10.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.28	-0.08	0.0	0.0	0.0	0.0
74	25	0.04	0.0	0.0	-0.17	0.0	8.77	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.64	-0.08	0.0	0.0	0.0	0.0
74	56	0.04	0.0	0.0	-0.17	0.0	-7.92	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.05	-0.08	0.0	0.0	0.0	0.0
74	57	0.04	0.0	0.0	-0.17	0.0	6.54	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.41	-0.08	0.0	0.0	0.0	0.0
74	88	0.04	0.0	0.0	-0.17	0.0	-7.11	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.24	-0.08	0.0	0.0	0.0	0.0
74	89	0.04	0.0	0.0	-0.17	0.0	5.73	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.60	-0.08	0.0	0.0	0.0	0.0
74	120	0.04	0.0	0.0	-0.17	0.0	-11.96	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-12.09	-0.08	0.0	0.0	0.0	0.0
74	121	0.04	0.0	0.0	-0.17	0.0	10.58	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.46	-0.08	0.0	0.0	0.0	0.0
75	1	0.05	0.0	0.0	-0.22	0.0	-0.93	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.76	-0.11	0.0	0.0	0.0	0.0
75	8	0.04	0.0	0.0	-0.17	0.0	-0.43	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.31	-0.08	0.0	0.0	0.0	0.0
75	9	0.04	0.0	0.0	-0.17	0.0	-0.67	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.55	-0.08	0.0	0.0	0.0	0.0
75	12	0.04	0.0	0.0	-0.17	0.0	-0.58	0.08	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	200.0	-0.45	-0.08	0.0	0.0	0.0	0.0
75	13	0.04	0.0	0.0	-0.17	0.0	-0.74	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.61	-0.08	0.0	0.0	0.0	0.0
75	16	0.04	0.0	0.0	-0.17	0.0	-0.69	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.57	-0.08	0.0	0.0	0.0	0.0
75	17	0.04	0.0	0.0	-0.17	0.0	-0.74	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.61	-0.08	0.0	0.0	0.0	0.0
75	18	0.04	0.0	0.0	-0.17	0.0	-0.72	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.59	-0.08	0.0	0.0	0.0	0.0
75	24	0.04	0.0	0.0	-0.17	0.0	8.31	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.44	-0.08	0.0	0.0	0.0	0.0
75	25	0.04	0.0	0.0	-0.17	0.0	-9.74	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.62	-0.08	0.0	0.0	0.0	0.0
75	56	0.04	0.0	0.0	-0.17	0.0	6.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.28	-0.08	0.0	0.0	0.0	0.0
75	57	0.04	0.0	0.0	-0.17	0.0	-7.58	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.46	-0.08	0.0	0.0	0.0	0.0
75	88	0.04	0.0	0.0	-0.17	0.0	5.38	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.51	-0.08	0.0	0.0	0.0	0.0
75	89	0.04	0.0	0.0	-0.17	0.0	-6.81	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.69	-0.08	0.0	0.0	0.0	0.0
75	120	0.04	0.0	0.0	-0.17	0.0	10.01	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.14	-0.08	0.0	0.0	0.0	0.0
75	121	0.04	0.0	0.0	-0.17	0.0	-11.44	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.32	-0.08	0.0	0.0	0.0	0.0
76	1	0.05	0.0	0.0	-0.22	0.0	-1.12	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.95	-0.11	0.0	0.0	0.0	0.0
76	4	0.04	0.0	0.0	-0.17	0.0	-0.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.05	-0.08	0.0	0.0	0.0	0.0
76	9	0.04	0.0	0.0	-0.17	0.0	-0.79	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.67	-0.08	0.0	0.0	0.0	0.0
76	10	0.04	0.0	0.0	-0.17	0.0	-0.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.32	-0.08	0.0	0.0	0.0	0.0
76	13	0.04	0.0	0.0	-0.17	0.0	-0.81	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.69	-0.08	0.0	0.0	0.0	0.0
76	14	0.04	0.0	0.0	-0.17	0.0	-0.64	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.51	-0.08	0.0	0.0	0.0	0.0
76	17	0.04	0.0	0.0	-0.17	0.0	-0.81	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.69	-0.08	0.0	0.0	0.0	0.0
76	18	0.04	0.0	0.0	-0.17	0.0	-0.71	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.58	-0.08	0.0	0.0	0.0	0.0
76	28	0.04	0.0	0.0	-0.17	0.0	10.64	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.76	-0.08	0.0	0.0	0.0	0.0
76	29	0.04	0.0	0.0	-0.17	0.0	-12.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.93	-0.08	0.0	0.0	0.0	0.0
76	60	0.04	0.0	0.0	-0.17	0.0	7.83	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.96	-0.08	0.0	0.0	0.0	0.0
76	61	0.04	0.0	0.0	-0.17	0.0	-9.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.12	-0.08	0.0	0.0	0.0	0.0
76	92	0.04	0.0	0.0	-0.17	0.0	6.87	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.00	-0.08	0.0	0.0	0.0	0.0
76	93	0.04	0.0	0.0	-0.17	0.0	-8.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.16	-0.08	0.0	0.0	0.0	0.0
76	124	0.04	0.0	0.0	-0.17	0.0	12.91	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	13.03	-0.08	0.0	0.0	0.0	0.0
76	125	0.04	0.0	0.0	-0.17	0.0	-14.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-14.20	-0.08	0.0	0.0	0.0	0.0
77	2	0.05	0.0	0.0	-0.22	0.0	-1.03	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-1.20	-0.11	0.0	0.0	0.0	0.0
77	7	0.04	0.0	0.0	-0.17	0.0	-0.37	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.49	-0.08	0.0	0.0	0.0	0.0
77	10	0.04	0.0	0.0	-0.17	0.0	-0.73	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.86	-0.08	0.0	0.0	0.0	0.0
77	11	0.04	0.0	0.0	-0.17	0.0	-0.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.54	-0.08	0.0	0.0	0.0	0.0
77	14	0.04	0.0	0.0	-0.17	0.0	-0.61	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.73	-0.08	0.0	0.0	0.0	0.0
77	15	0.04	0.0	0.0	-0.17	0.0	-0.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.57	-0.08	0.0	0.0	0.0	0.0
77	17	0.04	0.0	0.0	-0.17	0.0	-0.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.58	-0.08	0.0	0.0	0.0	0.0
77	18	0.04	0.0	0.0	-0.17	0.0	-0.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.67	-0.08	0.0	0.0	0.0	0.0
77	27	0.04	0.0	0.0	-0.17	0.0	-11.93	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-12.06	-0.08	0.0	0.0	0.0	0.0

77	30	0.04	0.0	0.0	-0.17	0.0	10.84	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.71	-0.08	0.0	0.0	0.0	0.0
77	59	0.04	0.0	0.0	-0.17	0.0	-9.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.19	-0.08	0.0	0.0	0.0	0.0
77	62	0.04	0.0	0.0	-0.17	0.0	7.97	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.85	-0.08	0.0	0.0	0.0	0.0
77	91	0.04	0.0	0.0	-0.17	0.0	-8.10	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.23	-0.08	0.0	0.0	0.0	0.0
77	94	0.04	0.0	0.0	-0.17	0.0	7.01	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.88	-0.08	0.0	0.0	0.0	0.0
77	123	0.04	0.0	0.0	-0.17	0.0	-14.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-14.30	-0.08	0.0	0.0	0.0	0.0
77	126	0.04	0.0	0.0	-0.17	0.0	13.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	12.96	-0.08	0.0	0.0	0.0	0.0
78	3	0.04	0.0	0.0	-0.17	0.0	-0.74	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.61	-0.08	0.0	0.0	0.0	0.0
78	6	0.05	0.0	0.0	-0.22	0.0	-1.25	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-1.08	-0.11	0.0	0.0	0.0	0.0
78	9	0.04	0.0	0.0	-0.17	0.0	-0.65	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.53	-0.08	0.0	0.0	0.0	0.0
78	12	0.04	0.0	0.0	-0.17	0.0	-0.89	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.76	-0.08	0.0	0.0	0.0	0.0
78	13	0.04	0.0	0.0	-0.17	0.0	-0.47	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.35	-0.08	0.0	0.0	0.0	0.0
78	16	0.04	0.0	0.0	-0.17	0.0	-0.58	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.46	-0.08	0.0	0.0	0.0	0.0
78	17	0.04	0.0	0.0	-0.17	0.0	-0.47	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.35	-0.08	0.0	0.0	0.0	0.0
78	18	0.04	0.0	0.0	-0.17	0.0	-0.52	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.40	-0.08	0.0	0.0	0.0	0.0
78	36	0.04	0.0	0.0	-0.17	0.0	-15.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-15.27	-0.08	0.0	0.0	0.0	0.0
78	37	0.04	0.0	0.0	-0.17	0.0	14.34	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	14.47	-0.08	0.0	0.0	0.0	0.0
78	68	0.04	0.0	0.0	-0.17	0.0	-11.71	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.59	-0.08	0.0	0.0	0.0	0.0
78	69	0.04	0.0	0.0	-0.17	0.0	10.67	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.79	-0.08	0.0	0.0	0.0	0.0
78	100	0.04	0.0	0.0	-0.17	0.0	-10.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.33	-0.08	0.0	0.0	0.0	0.0
78	101	0.04	0.0	0.0	-0.17	0.0	9.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.53	-0.08	0.0	0.0	0.0	0.0
78	132	0.04	0.0	0.0	-0.17	0.0	-18.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-18.32	-0.08	0.0	0.0	0.0	0.0
78	133	0.04	0.0	0.0	-0.17	0.0	17.40	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	17.52	-0.08	0.0	0.0	0.0	0.0
79	1	0.05	0.0	0.0	-0.22	0.0	0.10	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.07	-0.11	0.0	0.0	0.0	0.0
79	8	0.04	0.0	0.0	-0.17	0.0	0.59	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.47	-0.08	0.0	0.0	0.0	0.0
79	9	0.04	0.0	0.0	-0.17	0.0	0.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.08	-0.08	0.0	0.0	0.0	0.0
79	12	0.04	0.0	0.0	-0.17	0.0	0.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.22	-0.08	0.0	0.0	0.0	0.0
79	13	0.04	0.0	0.0	-0.17	0.0	-0.14	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.26	-0.08	0.0	0.0	0.0	0.0
79	16	0.04	0.0	0.0	-0.17	0.0	-6.72e-04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.13	-0.08	0.0	0.0	0.0	0.0
79	17	0.04	0.0	0.0	-0.17	0.0	-0.14	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.26	-0.08	0.0	0.0	0.0	0.0
79	18	0.04	0.0	0.0	-0.17	0.0	-0.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.19	-0.08	0.0	0.0	0.0	0.0
79	40	0.04	0.0	0.0	-0.17	0.0	14.81	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	14.69	-0.08	0.0	0.0	0.0	0.0
79	41	0.04	0.0	0.0	-0.17	0.0	-14.94	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-15.07	-0.08	0.0	0.0	0.0	0.0
79	72	0.04	0.0	0.0	-0.17	0.0	11.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	11.07	-0.08	0.0	0.0	0.0	0.0
79	73	0.04	0.0	0.0	-0.17	0.0	-11.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.45	-0.08	0.0	0.0	0.0	0.0
79	104	0.04	0.0	0.0	-0.17	0.0	9.94	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.81	-0.08	0.0	0.0	0.0	0.0
79	105	0.04	0.0	0.0	-0.17	0.0	-10.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.19	-0.08	0.0	0.0	0.0	0.0
79	136	0.04	0.0	0.0	-0.17	0.0	17.89	0.08	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	200.0	17.76	-0.08	0.0	0.0	0.0	0.0
79	137	0.04	0.0	0.0	-0.17	0.0	-18.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-18.14	-0.08	0.0	0.0	0.0	0.0
80	3	0.04	0.0	0.0	-0.17	0.0	-0.50	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.62	-0.08	0.0	0.0	0.0	0.0
80	6	0.05	0.0	0.0	-0.22	0.0	-0.85	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-1.01	-0.11	0.0	0.0	0.0	0.0
80	9	0.04	0.0	0.0	-0.17	0.0	-0.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.59	-0.08	0.0	0.0	0.0	0.0
80	12	0.04	0.0	0.0	-0.17	0.0	-0.61	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.73	-0.08	0.0	0.0	0.0	0.0
80	13	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.49	-0.08	0.0	0.0	0.0	0.0
80	16	0.04	0.0	0.0	-0.17	0.0	-0.43	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.55	-0.08	0.0	0.0	0.0	0.0
80	17	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.49	-0.08	0.0	0.0	0.0	0.0
80	18	0.04	0.0	0.0	-0.17	0.0	-0.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.52	-0.08	0.0	0.0	0.0	0.0
80	24	0.04	0.0	0.0	-0.17	0.0	-10.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.18	-0.08	0.0	0.0	0.0	0.0
80	25	0.04	0.0	0.0	-0.17	0.0	9.27	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.15	-0.08	0.0	0.0	0.0	0.0
80	56	0.04	0.0	0.0	-0.17	0.0	-7.78	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.91	-0.08	0.0	0.0	0.0	0.0
80	57	0.04	0.0	0.0	-0.17	0.0	7.00	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.87	-0.08	0.0	0.0	0.0	0.0
80	88	0.04	0.0	0.0	-0.17	0.0	-6.96	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.08	-0.08	0.0	0.0	0.0	0.0
80	89	0.04	0.0	0.0	-0.17	0.0	6.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.05	-0.08	0.0	0.0	0.0	0.0
80	120	0.04	0.0	0.0	-0.17	0.0	-11.90	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-12.03	-0.08	0.0	0.0	0.0	0.0
80	121	0.04	0.0	0.0	-0.17	0.0	11.12	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.99	-0.08	0.0	0.0	0.0	0.0
81	1	0.05	0.0	0.0	-0.22	0.0	-0.56	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.39	-0.11	0.0	0.0	0.0	0.0
81	8	0.04	0.0	0.0	-0.17	0.0	-0.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.05	-0.08	0.0	0.0	0.0	0.0
81	9	0.04	0.0	0.0	-0.17	0.0	-0.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.28	-0.08	0.0	0.0	0.0	0.0
81	12	0.04	0.0	0.0	-0.17	0.0	-0.30	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.18	-0.08	0.0	0.0	0.0	0.0
81	13	0.04	0.0	0.0	-0.17	0.0	-0.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.35	-0.08	0.0	0.0	0.0	0.0
81	16	0.04	0.0	0.0	-0.17	0.0	-0.43	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.30	-0.08	0.0	0.0	0.0	0.0
81	17	0.04	0.0	0.0	-0.17	0.0	-0.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.35	-0.08	0.0	0.0	0.0	0.0
81	18	0.04	0.0	0.0	-0.17	0.0	-0.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.33	-0.08	0.0	0.0	0.0	0.0
81	24	0.04	0.0	0.0	-0.17	0.0	8.86	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.98	-0.08	0.0	0.0	0.0	0.0
81	25	0.04	0.0	0.0	-0.17	0.0	-9.77	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.64	-0.08	0.0	0.0	0.0	0.0
81	56	0.04	0.0	0.0	-0.17	0.0	6.64	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.76	-0.08	0.0	0.0	0.0	0.0
81	57	0.04	0.0	0.0	-0.17	0.0	-7.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.42	-0.08	0.0	0.0	0.0	0.0
81	88	0.04	0.0	0.0	-0.17	0.0	5.85	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.97	-0.08	0.0	0.0	0.0	0.0
81	89	0.04	0.0	0.0	-0.17	0.0	-6.76	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.63	-0.08	0.0	0.0	0.0	0.0
81	120	0.04	0.0	0.0	-0.17	0.0	10.61	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.74	-0.08	0.0	0.0	0.0	0.0
81	121	0.04	0.0	0.0	-0.17	0.0	-11.52	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.40	-0.08	0.0	0.0	0.0	0.0
82	1	0.05	0.0	0.0	-0.22	0.0	-0.75	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.59	-0.11	0.0	0.0	0.0	0.0
82	4	0.04	0.0	0.0	-0.17	0.0	0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.29	-0.08	0.0	0.0	0.0	0.0
82	9	0.04	0.0	0.0	-0.17	0.0	-0.53	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.41	-0.08	0.0	0.0	0.0	0.0
82	10	0.04	0.0	0.0	-0.17	0.0	-0.12	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.01	-0.08	0.0	0.0	0.0	0.0

82	13	0.04	0.0	0.0	-0.17	0.0	-0.56	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.43	-0.08	0.0	0.0	0.0	0.0
82	14	0.04	0.0	0.0	-0.17	0.0	-0.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.22	-0.08	0.0	0.0	0.0	0.0
82	17	0.04	0.0	0.0	-0.17	0.0	-0.56	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.43	-0.08	0.0	0.0	0.0	0.0
82	18	0.04	0.0	0.0	-0.17	0.0	-0.43	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.31	-0.08	0.0	0.0	0.0	0.0
82	28	0.04	0.0	0.0	-0.17	0.0	13.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	13.45	-0.08	0.0	0.0	0.0	0.0
82	29	0.04	0.0	0.0	-0.17	0.0	-14.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-14.06	-0.08	0.0	0.0	0.0	0.0
82	60	0.04	0.0	0.0	-0.17	0.0	9.93	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.05	-0.08	0.0	0.0	0.0	0.0
82	61	0.04	0.0	0.0	-0.17	0.0	-10.79	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.66	-0.08	0.0	0.0	0.0	0.0
82	92	0.04	0.0	0.0	-0.17	0.0	8.76	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.89	-0.08	0.0	0.0	0.0	0.0
82	93	0.04	0.0	0.0	-0.17	0.0	-9.62	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.50	-0.08	0.0	0.0	0.0	0.0
82	124	0.04	0.0	0.0	-0.17	0.0	16.08	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	16.21	-0.08	0.0	0.0	0.0	0.0
82	125	0.04	0.0	0.0	-0.17	0.0	-16.95	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-16.82	-0.08	0.0	0.0	0.0	0.0
83	2	0.05	0.0	0.0	-0.22	0.0	-0.71	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.87	-0.11	0.0	0.0	0.0	0.0
83	7	0.04	0.0	0.0	-0.17	0.0	-0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.29	-0.08	0.0	0.0	0.0	0.0
83	10	0.04	0.0	0.0	-0.17	0.0	-0.50	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.62	-0.08	0.0	0.0	0.0	0.0
83	11	0.04	0.0	0.0	-0.17	0.0	-0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.29	-0.08	0.0	0.0	0.0	0.0
83	14	0.04	0.0	0.0	-0.17	0.0	-0.34	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.47	-0.08	0.0	0.0	0.0	0.0
83	15	0.04	0.0	0.0	-0.17	0.0	-0.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.30	-0.08	0.0	0.0	0.0	0.0
83	17	0.04	0.0	0.0	-0.17	0.0	-0.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.30	-0.08	0.0	0.0	0.0	0.0
83	18	0.04	0.0	0.0	-0.17	0.0	-0.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.40	-0.08	0.0	0.0	0.0	0.0
83	27	0.04	0.0	0.0	-0.17	0.0	-11.92	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-12.04	-0.08	0.0	0.0	0.0	0.0
83	30	0.04	0.0	0.0	-0.17	0.0	11.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	11.24	-0.08	0.0	0.0	0.0	0.0
83	59	0.04	0.0	0.0	-0.17	0.0	-9.01	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.14	-0.08	0.0	0.0	0.0	0.0
83	62	0.04	0.0	0.0	-0.17	0.0	8.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.33	-0.08	0.0	0.0	0.0	0.0
83	91	0.04	0.0	0.0	-0.17	0.0	-8.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.15	-0.08	0.0	0.0	0.0	0.0
83	94	0.04	0.0	0.0	-0.17	0.0	7.47	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.35	-0.08	0.0	0.0	0.0	0.0
83	123	0.04	0.0	0.0	-0.17	0.0	-14.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-14.35	-0.08	0.0	0.0	0.0	0.0
83	126	0.04	0.0	0.0	-0.17	0.0	13.67	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	13.55	-0.08	0.0	0.0	0.0	0.0
84	3	0.04	0.0	0.0	-0.17	0.0	-0.60	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.47	-0.08	0.0	0.0	0.0	0.0
84	6	0.05	0.0	0.0	-0.22	0.0	-1.13	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.96	-0.11	0.0	0.0	0.0	0.0
84	9	0.04	0.0	0.0	-0.17	0.0	-0.52	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.40	-0.08	0.0	0.0	0.0	0.0
84	12	0.04	0.0	0.0	-0.17	0.0	-0.79	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.66	-0.08	0.0	0.0	0.0	0.0
84	13	0.04	0.0	0.0	-0.17	0.0	-0.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.22	-0.08	0.0	0.0	0.0	0.0
84	16	0.04	0.0	0.0	-0.17	0.0	-0.47	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.35	-0.08	0.0	0.0	0.0	0.0
84	17	0.04	0.0	0.0	-0.17	0.0	-0.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.22	-0.08	0.0	0.0	0.0	0.0
84	18	0.04	0.0	0.0	-0.17	0.0	-0.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.29	-0.08	0.0	0.0	0.0	0.0
84	40	0.04	0.0	0.0	-0.17	0.0	-14.72	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-14.60	-0.08	0.0	0.0	0.0	0.0
84	41	0.04	0.0	0.0	-0.17	0.0	13.90	0.08	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	200.0	14.02	-0.08	0.0	0.0	0.0	0.0
84	72	0.04	0.0	0.0	-0.17	0.0	-11.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.10	-0.08	0.0	0.0	0.0	0.0
84	73	0.04	0.0	0.0	-0.17	0.0	10.40	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.53	-0.08	0.0	0.0	0.0	0.0
84	104	0.04	0.0	0.0	-0.17	0.0	-10.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.89	-0.08	0.0	0.0	0.0	0.0
84	105	0.04	0.0	0.0	-0.17	0.0	9.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.32	-0.08	0.0	0.0	0.0	0.0
84	136	0.04	0.0	0.0	-0.17	0.0	-17.67	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-17.55	-0.08	0.0	0.0	0.0	0.0
84	137	0.04	0.0	0.0	-0.17	0.0	16.85	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	16.97	-0.08	0.0	0.0	0.0	0.0
85	3	0.04	0.0	0.0	-0.17	0.0	0.47	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.34	-0.08	0.0	0.0	0.0	0.0
85	6	0.05	0.0	0.0	-0.22	0.0	1.02	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.86	-0.11	0.0	0.0	0.0	0.0
85	9	0.04	0.0	0.0	-0.17	0.0	0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.23	-0.08	0.0	0.0	0.0	0.0
85	12	0.04	0.0	0.0	-0.17	0.0	0.70	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.57	-0.08	0.0	0.0	0.0	0.0
85	13	0.04	0.0	0.0	-0.17	0.0	0.14	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.02	-0.08	0.0	0.0	0.0	0.0
85	16	0.04	0.0	0.0	-0.17	0.0	0.30	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.17	-0.08	0.0	0.0	0.0	0.0
85	17	0.04	0.0	0.0	-0.17	0.0	0.14	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.02	-0.08	0.0	0.0	0.0	0.0
85	18	0.04	0.0	0.0	-0.17	0.0	0.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.10	-0.08	0.0	0.0	0.0	0.0
85	40	0.04	0.0	0.0	-0.17	0.0	18.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	18.07	-0.08	0.0	0.0	0.0	0.0
85	41	0.04	0.0	0.0	-0.17	0.0	-17.74	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-17.87	-0.08	0.0	0.0	0.0	0.0
85	72	0.04	0.0	0.0	-0.17	0.0	13.81	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	13.68	-0.08	0.0	0.0	0.0	0.0
85	73	0.04	0.0	0.0	-0.17	0.0	-13.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-13.48	-0.08	0.0	0.0	0.0	0.0
85	104	0.04	0.0	0.0	-0.17	0.0	12.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	12.16	-0.08	0.0	0.0	0.0	0.0
85	105	0.04	0.0	0.0	-0.17	0.0	-11.84	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.96	-0.08	0.0	0.0	0.0	0.0
85	136	0.04	0.0	0.0	-0.17	0.0	21.90	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	21.77	-0.08	0.0	0.0	0.0	0.0
85	137	0.04	0.0	0.0	-0.17	0.0	-21.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-21.57	-0.08	0.0	0.0	0.0	0.0
86	3	0.04	0.0	0.0	-0.17	0.0	-0.52	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.65	-0.08	0.0	0.0	0.0	0.0
86	6	0.05	0.0	0.0	-0.22	0.0	-0.90	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-1.06	-0.11	0.0	0.0	0.0	0.0
86	9	0.04	0.0	0.0	-0.17	0.0	-0.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.61	-0.08	0.0	0.0	0.0	0.0
86	12	0.04	0.0	0.0	-0.17	0.0	-0.64	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.77	-0.08	0.0	0.0	0.0	0.0
86	13	0.04	0.0	0.0	-0.17	0.0	-0.38	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.51	-0.08	0.0	0.0	0.0	0.0
86	16	0.04	0.0	0.0	-0.17	0.0	-0.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.58	-0.08	0.0	0.0	0.0	0.0
86	17	0.04	0.0	0.0	-0.17	0.0	-0.38	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.51	-0.08	0.0	0.0	0.0	0.0
86	18	0.04	0.0	0.0	-0.17	0.0	-0.42	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.54	-0.08	0.0	0.0	0.0	0.0
86	24	0.04	0.0	0.0	-0.17	0.0	-10.68	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.81	-0.08	0.0	0.0	0.0	0.0
86	25	0.04	0.0	0.0	-0.17	0.0	9.85	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.73	-0.08	0.0	0.0	0.0	0.0
86	56	0.04	0.0	0.0	-0.17	0.0	-8.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.39	-0.08	0.0	0.0	0.0	0.0
86	57	0.04	0.0	0.0	-0.17	0.0	7.43	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.30	-0.08	0.0	0.0	0.0	0.0
86	88	0.04	0.0	0.0	-0.17	0.0	-7.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.51	-0.08	0.0	0.0	0.0	0.0
86	89	0.04	0.0	0.0	-0.17	0.0	6.56	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.43	-0.08	0.0	0.0	0.0	0.0
86	120	0.04	0.0	0.0	-0.17	0.0	-12.65	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-12.77	-0.08	0.0	0.0	0.0	0.0

86	121	0.04	0.0	0.0	-0.17	0.0	11.82	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	11.69	-0.08	0.0	0.0	0.0	0.0
87	1	0.05	0.0	0.0	-0.22	0.0	-0.52	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.35	-0.11	0.0	0.0	0.0	0.0
87	8	0.04	0.0	0.0	-0.17	0.0	-0.14	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.01	-0.08	0.0	0.0	0.0	0.0
87	9	0.04	0.0	0.0	-0.17	0.0	-0.38	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.25	-0.08	0.0	0.0	0.0	0.0
87	12	0.04	0.0	0.0	-0.17	0.0	-0.27	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.14	-0.08	0.0	0.0	0.0	0.0
87	13	0.04	0.0	0.0	-0.17	0.0	-0.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.33	-0.08	0.0	0.0	0.0	0.0
87	16	0.04	0.0	0.0	-0.17	0.0	-0.40	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.28	-0.08	0.0	0.0	0.0	0.0
87	17	0.04	0.0	0.0	-0.17	0.0	-0.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.33	-0.08	0.0	0.0	0.0	0.0
87	18	0.04	0.0	0.0	-0.17	0.0	-0.43	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.30	-0.08	0.0	0.0	0.0	0.0
87	24	0.04	0.0	0.0	-0.17	0.0	8.91	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.04	-0.08	0.0	0.0	0.0	0.0
87	25	0.04	0.0	0.0	-0.17	0.0	-9.77	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.64	-0.08	0.0	0.0	0.0	0.0
87	56	0.04	0.0	0.0	-0.17	0.0	6.69	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.82	-0.08	0.0	0.0	0.0	0.0
87	57	0.04	0.0	0.0	-0.17	0.0	-7.54	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.42	-0.08	0.0	0.0	0.0	0.0
87	88	0.04	0.0	0.0	-0.17	0.0	5.89	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.02	-0.08	0.0	0.0	0.0	0.0
87	89	0.04	0.0	0.0	-0.17	0.0	-6.75	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.62	-0.08	0.0	0.0	0.0	0.0
87	120	0.04	0.0	0.0	-0.17	0.0	10.68	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.80	-0.08	0.0	0.0	0.0	0.0
87	121	0.04	0.0	0.0	-0.17	0.0	-11.53	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.40	-0.08	0.0	0.0	0.0	0.0
88	1	0.05	0.0	0.0	-0.22	0.0	-0.93	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.76	-0.11	0.0	0.0	0.0	0.0
88	4	0.04	0.0	0.0	-0.17	0.0	-0.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.06	-0.08	0.0	0.0	0.0	0.0
88	9	0.04	0.0	0.0	-0.17	0.0	-0.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.53	-0.08	0.0	0.0	0.0	0.0
88	10	0.04	0.0	0.0	-0.17	0.0	-0.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.20	-0.08	0.0	0.0	0.0	0.0
88	13	0.04	0.0	0.0	-0.17	0.0	-0.69	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.56	-0.08	0.0	0.0	0.0	0.0
88	14	0.04	0.0	0.0	-0.17	0.0	-0.52	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.39	-0.08	0.0	0.0	0.0	0.0
88	17	0.04	0.0	0.0	-0.17	0.0	-0.69	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.56	-0.08	0.0	0.0	0.0	0.0
88	18	0.04	0.0	0.0	-0.17	0.0	-0.59	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.46	-0.08	0.0	0.0	0.0	0.0
88	28	0.04	0.0	0.0	-0.17	0.0	10.12	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	10.25	-0.08	0.0	0.0	0.0	0.0
88	29	0.04	0.0	0.0	-0.17	0.0	-11.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-11.17	-0.08	0.0	0.0	0.0	0.0
88	60	0.04	0.0	0.0	-0.17	0.0	7.49	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.62	-0.08	0.0	0.0	0.0	0.0
88	61	0.04	0.0	0.0	-0.17	0.0	-8.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.54	-0.08	0.0	0.0	0.0	0.0
88	92	0.04	0.0	0.0	-0.17	0.0	6.58	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	6.71	-0.08	0.0	0.0	0.0	0.0
88	93	0.04	0.0	0.0	-0.17	0.0	-7.75	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.63	-0.08	0.0	0.0	0.0	0.0
88	124	0.04	0.0	0.0	-0.17	0.0	12.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	12.40	-0.08	0.0	0.0	0.0	0.0
88	125	0.04	0.0	0.0	-0.17	0.0	-13.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-13.32	-0.08	0.0	0.0	0.0	0.0
89	1	0.05	0.0	0.0	-0.22	0.0	-0.02	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.18	-0.11	0.0	0.0	0.0	0.0
89	2	0.05	0.0	0.0	-0.22	0.0	-0.29	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.45	-0.11	0.0	0.0	0.0	0.0
89	9	0.04	0.0	0.0	-0.17	0.0	-0.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.15	-0.08	0.0	0.0	0.0	0.0
89	10	0.04	0.0	0.0	-0.17	0.0	-0.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.34	-0.08	0.0	0.0	0.0	0.0
89	13	0.04	0.0	0.0	-0.17	0.0	-0.03	0.08	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	200.0	-0.15	-0.08	0.0	0.0	0.0	0.0
89	14	0.04	0.0	0.0	-0.17	0.0	-0.12	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.24	-0.08	0.0	0.0	0.0	0.0
89	17	0.04	0.0	0.0	-0.17	0.0	-0.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.15	-0.08	0.0	0.0	0.0	0.0
89	18	0.04	0.0	0.0	-0.17	0.0	-0.08	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.21	-0.08	0.0	0.0	0.0	0.0
89	28	0.04	0.0	0.0	-0.17	0.0	-6.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-6.34	-0.08	0.0	0.0	0.0	0.0
89	29	0.04	0.0	0.0	-0.17	0.0	6.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.93	-0.08	0.0	0.0	0.0	0.0
89	60	0.04	0.0	0.0	-0.17	0.0	-4.70	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-4.83	-0.08	0.0	0.0	0.0	0.0
89	61	0.04	0.0	0.0	-0.17	0.0	4.54	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	4.41	-0.08	0.0	0.0	0.0	0.0
89	92	0.04	0.0	0.0	-0.17	0.0	-4.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-4.31	-0.08	0.0	0.0	0.0	0.0
89	93	0.04	0.0	0.0	-0.17	0.0	4.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	3.89	-0.08	0.0	0.0	0.0	0.0
89	124	0.04	0.0	0.0	-0.17	0.0	-7.44	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.57	-0.08	0.0	0.0	0.0	0.0
89	125	0.04	0.0	0.0	-0.17	0.0	7.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.15	-0.08	0.0	0.0	0.0	0.0
90	3	0.04	0.0	0.0	-0.17	0.0	-0.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.11	-0.08	0.0	0.0	0.0	0.0
90	6	0.05	0.0	0.0	-0.22	0.0	-0.50	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.34	-0.11	0.0	0.0	0.0	0.0
90	9	0.04	0.0	0.0	-0.17	0.0	-0.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.07	-0.08	0.0	0.0	0.0	0.0
90	12	0.04	0.0	0.0	-0.17	0.0	-0.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.22	-0.08	0.0	0.0	0.0	0.0
90	13	0.04	0.0	0.0	-0.17	0.0	-0.10	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.03	-0.08	0.0	0.0	0.0	0.0
90	16	0.04	0.0	0.0	-0.17	0.0	-0.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.04	-0.08	0.0	0.0	0.0	0.0
90	17	0.04	0.0	0.0	-0.17	0.0	-0.10	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.03	-0.08	0.0	0.0	0.0	0.0
90	18	0.04	0.0	0.0	-0.17	0.0	-0.14	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-0.01	-0.08	0.0	0.0	0.0	0.0
90	40	0.04	0.0	0.0	-0.17	0.0	-7.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-7.28	-0.08	0.0	0.0	0.0	0.0
90	41	0.04	0.0	0.0	-0.17	0.0	7.13	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	7.25	-0.08	0.0	0.0	0.0	0.0
90	72	0.04	0.0	0.0	-0.17	0.0	-5.65	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-5.52	-0.08	0.0	0.0	0.0	0.0
90	73	0.04	0.0	0.0	-0.17	0.0	5.37	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	5.50	-0.08	0.0	0.0	0.0	0.0
90	104	0.04	0.0	0.0	-0.17	0.0	-5.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-4.91	-0.08	0.0	0.0	0.0	0.0
90	105	0.04	0.0	0.0	-0.17	0.0	4.76	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	4.88	-0.08	0.0	0.0	0.0	0.0
90	136	0.04	0.0	0.0	-0.17	0.0	-8.91	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-8.79	-0.08	0.0	0.0	0.0	0.0
90	137	0.04	0.0	0.0	-0.17	0.0	8.63	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	8.76	-0.08	0.0	0.0	0.0	0.0
91	3	0.04	0.0	0.0	-0.17	0.0	0.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.33	-0.08	0.0	0.0	0.0	0.0
91	6	0.05	0.0	0.0	-0.22	0.0	0.97	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.81	-0.11	0.0	0.0	0.0	0.0
91	9	0.04	0.0	0.0	-0.17	0.0	0.38	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.26	-0.08	0.0	0.0	0.0	0.0
91	12	0.04	0.0	0.0	-0.17	0.0	0.67	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.54	-0.08	0.0	0.0	0.0	0.0
91	13	0.04	0.0	0.0	-0.17	0.0	0.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.08	-0.08	0.0	0.0	0.0	0.0
91	16	0.04	0.0	0.0	-0.17	0.0	0.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.21	-0.08	0.0	0.0	0.0	0.0
91	17	0.04	0.0	0.0	-0.17	0.0	0.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.08	-0.08	0.0	0.0	0.0	0.0
91	18	0.04	0.0	0.0	-0.17	0.0	0.27	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	0.15	-0.08	0.0	0.0	0.0	0.0
91	40	0.04	0.0	0.0	-0.17	0.0	14.93	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	14.80	-0.08	0.0	0.0	0.0	0.0
91	41	0.04	0.0	0.0	-0.17	0.0	-14.38	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-14.50	-0.08	0.0	0.0	0.0	0.0

91	72	0.04	0.0	0.0	-0.17	0.0	11.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	11.23	-0.08	0.0	0.0	0.0	0.0
91	73	0.04	0.0	0.0	-0.17	0.0	-10.81	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-10.93	-0.08	0.0	0.0	0.0	0.0
91	104	0.04	0.0	0.0	-0.17	0.0	10.12	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	9.99	-0.08	0.0	0.0	0.0	0.0
91	105	0.04	0.0	0.0	-0.17	0.0	-9.57	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-9.70	-0.08	0.0	0.0	0.0	0.0
91	136	0.04	0.0	0.0	-0.17	0.0	17.95	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	17.82	-0.08	0.0	0.0	0.0	0.0
91	137	0.04	0.0	0.0	-0.17	0.0	-17.40	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	200.0	-17.53	-0.08	0.0	0.0	0.0	0.0
92	1	0.05	0.0	0.0	-0.22	0.0	0.13	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.02	-0.11	0.0	0.0	0.0	0.0
92	4	0.04	0.0	0.0	-0.17	0.0	-0.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.10	-0.08	0.0	0.0	0.0	0.0
92	9	0.04	0.0	0.0	-0.17	0.0	0.10	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.01	-0.08	0.0	0.0	0.0	0.0
92	10	0.04	0.0	0.0	-0.17	0.0	0.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.05	-0.08	0.0	0.0	0.0	0.0
92	13	0.04	0.0	0.0	-0.17	0.0	0.11	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.03	-0.08	0.0	0.0	0.0	0.0
92	14	0.04	0.0	0.0	-0.17	0.0	0.08	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-3.58e-03	-0.08	0.0	0.0	0.0	0.0
92	17	0.04	0.0	0.0	-0.17	0.0	0.11	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.03	-0.08	0.0	0.0	0.0	0.0
92	18	0.04	0.0	0.0	-0.17	0.0	0.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	9.00e-03	-0.08	0.0	0.0	0.0	0.0
92	40	0.04	0.0	0.0	-0.17	0.0	-2.01	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-2.09	-0.08	0.0	0.0	0.0	0.0
92	41	0.04	0.0	0.0	-0.17	0.0	2.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	2.11	-0.08	0.0	0.0	0.0	0.0
92	72	0.04	0.0	0.0	-0.17	0.0	-1.50	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.58	-0.08	0.0	0.0	0.0	0.0
92	73	0.04	0.0	0.0	-0.17	0.0	1.69	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	1.60	-0.08	0.0	0.0	0.0	0.0
92	104	0.04	0.0	0.0	-0.17	0.0	-1.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.41	-0.08	0.0	0.0	0.0	0.0
92	105	0.04	0.0	0.0	-0.17	0.0	1.51	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	1.42	-0.08	0.0	0.0	0.0	0.0
92	136	0.04	0.0	0.0	-0.17	0.0	-2.44	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-2.53	-0.08	0.0	0.0	0.0	0.0
92	137	0.04	0.0	0.0	-0.17	0.0	2.63	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	2.54	-0.08	0.0	0.0	0.0	0.0
93	1	0.05	0.0	0.0	-0.22	0.0	-0.46	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.35	-0.11	0.0	0.0	0.0	0.0
93	4	0.04	0.0	0.0	-0.17	0.0	-0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.08	-0.08	0.0	0.0	0.0	0.0
93	9	0.04	0.0	0.0	-0.17	0.0	-0.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.24	-0.08	0.0	0.0	0.0	0.0
93	10	0.04	0.0	0.0	-0.17	0.0	-0.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.16	-0.08	0.0	0.0	0.0	0.0
93	13	0.04	0.0	0.0	-0.17	0.0	-0.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.24	-0.08	0.0	0.0	0.0	0.0
93	14	0.04	0.0	0.0	-0.17	0.0	-0.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.21	-0.08	0.0	0.0	0.0	0.0
93	17	0.04	0.0	0.0	-0.17	0.0	-0.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.24	-0.08	0.0	0.0	0.0	0.0
93	18	0.04	0.0	0.0	-0.17	0.0	-0.31	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.22	-0.08	0.0	0.0	0.0	0.0
93	28	0.04	0.0	0.0	-0.17	0.0	2.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	2.33	-0.08	0.0	0.0	0.0	0.0
93	29	0.04	0.0	0.0	-0.17	0.0	-2.86	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-2.78	-0.08	0.0	0.0	0.0	0.0
93	60	0.04	0.0	0.0	-0.17	0.0	1.63	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	1.71	-0.08	0.0	0.0	0.0	0.0
93	61	0.04	0.0	0.0	-0.17	0.0	-2.24	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-2.15	-0.08	0.0	0.0	0.0	0.0
93	92	0.04	0.0	0.0	-0.17	0.0	1.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	1.50	-0.08	0.0	0.0	0.0	0.0
93	93	0.04	0.0	0.0	-0.17	0.0	-2.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.94	-0.08	0.0	0.0	0.0	0.0
93	124	0.04	0.0	0.0	-0.17	0.0	2.76	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	2.84	-0.08	0.0	0.0	0.0	0.0
93	125	0.04	0.0	0.0	-0.17	0.0	-3.37	0.08	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	178.9	-3.29	-0.08	0.0	0.0	0.0	0.0
94	1	0.05	0.0	0.0	-0.22	0.0	-0.42	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.31	-0.11	0.0	0.0	0.0	0.0
94	8	0.04	0.0	0.0	-0.17	0.0	-0.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.09	-0.08	0.0	0.0	0.0	0.0
94	9	0.04	0.0	0.0	-0.17	0.0	-0.31	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.22	-0.08	0.0	0.0	0.0	0.0
94	12	0.04	0.0	0.0	-0.17	0.0	-0.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.17	-0.08	0.0	0.0	0.0	0.0
94	13	0.04	0.0	0.0	-0.17	0.0	-0.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.26	-0.08	0.0	0.0	0.0	0.0
94	16	0.04	0.0	0.0	-0.17	0.0	-0.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.24	-0.08	0.0	0.0	0.0	0.0
94	17	0.04	0.0	0.0	-0.17	0.0	-0.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.26	-0.08	0.0	0.0	0.0	0.0
94	18	0.04	0.0	0.0	-0.17	0.0	-0.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.25	-0.08	0.0	0.0	0.0	0.0
94	24	0.04	0.0	0.0	-0.17	0.0	5.27	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	5.36	-0.08	0.0	0.0	0.0	0.0
94	25	0.04	0.0	0.0	-0.17	0.0	-5.94	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-5.86	-0.08	0.0	0.0	0.0	0.0
94	56	0.04	0.0	0.0	-0.17	0.0	3.93	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	4.02	-0.08	0.0	0.0	0.0	0.0
94	57	0.04	0.0	0.0	-0.17	0.0	-4.60	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-4.52	-0.08	0.0	0.0	0.0	0.0
94	88	0.04	0.0	0.0	-0.17	0.0	3.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	3.54	-0.08	0.0	0.0	0.0	0.0
94	89	0.04	0.0	0.0	-0.17	0.0	-4.12	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-4.04	-0.08	0.0	0.0	0.0	0.0
94	120	0.04	0.0	0.0	-0.17	0.0	6.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	6.41	-0.08	0.0	0.0	0.0	0.0
94	121	0.04	0.0	0.0	-0.17	0.0	-6.99	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-6.91	-0.08	0.0	0.0	0.0	0.0
95	1	0.05	0.0	0.0	-0.22	0.0	-0.12	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.23	-0.11	0.0	0.0	0.0	0.0
95	6	0.05	0.0	0.0	-0.22	0.0	-0.24	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.35	-0.11	0.0	0.0	0.0	0.0
95	9	0.04	0.0	0.0	-0.17	0.0	-0.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.17	-0.08	0.0	0.0	0.0	0.0
95	12	0.04	0.0	0.0	-0.17	0.0	-0.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.25	-0.08	0.0	0.0	0.0	0.0
95	13	0.04	0.0	0.0	-0.17	0.0	-0.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.12	-0.08	0.0	0.0	0.0	0.0
95	16	0.04	0.0	0.0	-0.17	0.0	-0.07	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.15	-0.08	0.0	0.0	0.0	0.0
95	17	0.04	0.0	0.0	-0.17	0.0	-0.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.12	-0.08	0.0	0.0	0.0	0.0
95	18	0.04	0.0	0.0	-0.17	0.0	-0.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.14	-0.08	0.0	0.0	0.0	0.0
95	24	0.04	0.0	0.0	-0.17	0.0	-6.37	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-6.45	-0.08	0.0	0.0	0.0	0.0
95	25	0.04	0.0	0.0	-0.17	0.0	6.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	6.18	-0.08	0.0	0.0	0.0	0.0
95	56	0.04	0.0	0.0	-0.17	0.0	-4.87	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-4.95	-0.08	0.0	0.0	0.0	0.0
95	57	0.04	0.0	0.0	-0.17	0.0	4.77	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	4.68	-0.08	0.0	0.0	0.0	0.0
95	88	0.04	0.0	0.0	-0.17	0.0	-4.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-4.41	-0.08	0.0	0.0	0.0	0.0
95	89	0.04	0.0	0.0	-0.17	0.0	4.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	4.14	-0.08	0.0	0.0	0.0	0.0
95	120	0.04	0.0	0.0	-0.17	0.0	-7.56	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-7.64	-0.08	0.0	0.0	0.0	0.0
95	121	0.04	0.0	0.0	-0.17	0.0	7.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	7.37	-0.08	0.0	0.0	0.0	0.0
96	1	0.05	0.0	0.0	-0.22	0.0	-0.07	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.04	-0.11	0.0	0.0	0.0	0.0
96	8	0.04	0.0	0.0	-0.17	0.0	-0.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.07	-0.08	0.0	0.0	0.0	0.0
96	9	0.04	0.0	0.0	-0.17	0.0	-0.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.03	-0.08	0.0	0.0	0.0	0.0
96	12	0.04	0.0	0.0	-0.17	0.0	-0.11	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-0.02	-0.08	0.0	0.0	0.0	0.0
96	13	0.04	0.0	0.0	-0.17	0.0	-0.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.06	-0.08	0.0	0.0	0.0	0.0

96	14	0.04	0.0	0.0	-0.17	0.0	-0.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.03	-0.08	0.0	0.0	0.0	0.0
96	17	0.04	0.0	0.0	-0.17	0.0	-0.03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.06	-0.08	0.0	0.0	0.0	0.0
96	18	0.04	0.0	0.0	-0.17	0.0	-0.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.04	-0.08	0.0	0.0	0.0	0.0
96	40	0.04	0.0	0.0	-0.17	0.0	-2.53	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-2.45	-0.08	0.0	0.0	0.0	0.0
96	41	0.04	0.0	0.0	-0.17	0.0	2.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	2.53	-0.08	0.0	0.0	0.0	0.0
96	72	0.04	0.0	0.0	-0.17	0.0	-1.93	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.85	-0.08	0.0	0.0	0.0	0.0
96	73	0.04	0.0	0.0	-0.17	0.0	1.85	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	1.93	-0.08	0.0	0.0	0.0	0.0
96	104	0.04	0.0	0.0	-0.17	0.0	-1.72	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-1.64	-0.08	0.0	0.0	0.0	0.0
96	105	0.04	0.0	0.0	-0.17	0.0	1.64	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	1.72	-0.08	0.0	0.0	0.0	0.0
96	136	0.04	0.0	0.0	-0.17	0.0	-3.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-2.96	-0.08	0.0	0.0	0.0	0.0
96	137	0.04	0.0	0.0	-0.17	0.0	2.96	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	3.05	-0.08	0.0	0.0	0.0	0.0
97	3	0.04	0.0	0.0	-0.17	0.0	0.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.18	-0.08	0.0	0.0	0.0	0.0
97	6	0.05	0.0	0.0	-0.22	0.0	0.49	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.38	-0.11	0.0	0.0	0.0	0.0
97	9	0.04	0.0	0.0	-0.17	0.0	0.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.17	-0.08	0.0	0.0	0.0	0.0
97	12	0.04	0.0	0.0	-0.17	0.0	0.34	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.26	-0.08	0.0	0.0	0.0	0.0
97	13	0.04	0.0	0.0	-0.17	0.0	0.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.11	-0.08	0.0	0.0	0.0	0.0
97	16	0.04	0.0	0.0	-0.17	0.0	0.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.15	-0.08	0.0	0.0	0.0	0.0
97	17	0.04	0.0	0.0	-0.17	0.0	0.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.11	-0.08	0.0	0.0	0.0	0.0
97	18	0.04	0.0	0.0	-0.17	0.0	0.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	0.13	-0.08	0.0	0.0	0.0	0.0
97	40	0.04	0.0	0.0	-0.17	0.0	4.93	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	4.85	-0.08	0.0	0.0	0.0	0.0
97	41	0.04	0.0	0.0	-0.17	0.0	-4.50	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-4.59	-0.08	0.0	0.0	0.0	0.0
97	72	0.04	0.0	0.0	-0.17	0.0	3.78	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	3.70	-0.08	0.0	0.0	0.0	0.0
97	73	0.04	0.0	0.0	-0.17	0.0	-3.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-3.44	-0.08	0.0	0.0	0.0	0.0
97	104	0.04	0.0	0.0	-0.17	0.0	3.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	3.30	-0.08	0.0	0.0	0.0	0.0
97	105	0.04	0.0	0.0	-0.17	0.0	-2.96	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-3.04	-0.08	0.0	0.0	0.0	0.0
97	136	0.04	0.0	0.0	-0.17	0.0	5.90	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	5.82	-0.08	0.0	0.0	0.0	0.0
97	137	0.04	0.0	0.0	-0.17	0.0	-5.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	178.9	-5.56	-0.08	0.0	0.0	0.0	0.0
128	2	0.48	5.22e-03	-1.77e-03	-8.49	0.0	-23.55	5.25	7.10e-03	7.29e-03	-9.92e-03	-2.98
		-2.98	-9.92e-03	-2.53e-03	0.0	213.3	-18.15	-3.24	7.10e-03	7.29e-03	5.22e-03	-0.84
128	7	0.08	7.79e-04	-3.49e-04	-1.54	0.0	-4.33	0.93	1.29e-03	1.01e-03	-1.97e-03	-0.52
		-0.52	-1.97e-03	-5.80e-04	0.0	213.3	-3.35	-0.61	1.29e-03	1.01e-03	7.79e-04	-0.17
128	10	0.33	3.63e-03	-1.22e-03	-5.86	0.0	-16.28	3.62	4.90e-03	5.06e-03	-6.82e-03	-2.05
		-2.05	-6.82e-03	-1.75e-03	0.0	213.3	-12.55	-2.24	4.90e-03	5.06e-03	3.63e-03	-0.59
128	11	0.07	7.31e-04	-3.45e-04	-1.54	0.0	-4.34	0.93	1.26e-03	8.51e-04	-1.97e-03	-0.53
		-0.53	-1.97e-03	-5.59e-04	0.0	213.3	-3.36	-0.61	1.26e-03	8.51e-04	7.31e-04	-0.19
128	14	0.19	2.21e-03	-7.72e-04	-3.70	0.0	-10.33	2.27	3.05e-03	2.92e-03	-4.30e-03	-1.30
		-1.30	-4.30e-03	-1.11e-03	0.0	213.3	-7.97	-1.43	3.05e-03	2.92e-03	2.21e-03	-0.40
128	15	0.06	7.60e-04	-3.33e-04	-1.54	0.0	-4.36	0.93	1.23e-03	8.19e-04	-1.87e-03	-0.54
		-0.54	-1.87e-03	-5.11e-04	0.0	213.3	-3.38	-0.61	1.23e-03	8.19e-04	7.60e-04	-0.20
128	17	0.06	7.67e-04	-3.30e-04	-1.54	0.0	-4.36	0.93	1.23e-03	8.10e-04	-1.85e-03	-0.54
		-0.54	-1.85e-03	-4.99e-04	0.0	213.3	-3.38	-0.61	1.23e-03	8.10e-04	7.67e-04	-0.20
128	18	0.13	1.63e-03	-5.95e-04	-2.84	0.0	-7.94	1.74	2.32e-03	2.08e-03	-3.32e-03	-1.00
		-1.00	-3.32e-03	-8.63e-04	0.0	213.3	-6.13	-1.10	2.32e-03	2.08e-03	1.63e-03	-0.32
128	28	3.19	0.03	-2.52e-03	-2.84	0.0	0.10	5.28	-0.03	0.08	0.03	-5.06
		-5.06	-0.27	3.51e-03	0.0	213.3	1.90	2.44	-0.03	0.08	-0.27	3.19
128	29	3.06	0.27	1.33e-03	-2.84	0.0	-15.98	-1.81	0.04	-0.07	-0.04	3.06
		-3.83	-0.04	-4.39e-03	0.0	213.3	-14.17	-4.65	0.04	-0.07	0.27	-3.83
128	36	2.91	0.79	-2.39e-03	-2.84	0.0	-0.66	4.92	-0.63	0.15	0.79	-4.56

		-4.56	-0.49	0.03	0.0	213.3	1.15	2.08	-0.63	0.15	-0.49	2.91
128	37	2.56	0.49	1.20e-03	-2.84	0.0	-15.22	-1.44	0.64	-0.15	-0.80	2.56
		-3.55	-0.80	-0.03	0.0	213.3	-13.41	-4.28	0.64	-0.15	0.49	-3.55
128	60	2.28	3.80e-04	-2.02e-03	-2.84	0.0	-1.99	4.36	-8.13e-03	0.05	3.80e-04	-4.00
		-4.00	-0.18	-4.42e-03	0.0	213.3	-0.18	1.52	-8.13e-03	0.05	-0.18	2.28
128	61	2.00	0.18	8.33e-04	-2.84	0.0	-13.89	-0.89	0.01	-0.05	-7.02e-03	2.00
		-2.93	-7.02e-03	2.70e-03	0.0	213.3	-12.08	-3.72	0.01	-0.05	0.18	-2.93
128	68	2.10	0.51	-1.94e-03	-2.84	0.0	-2.50	4.11	-0.41	0.09	0.51	-3.65
		-3.65	-0.31	0.01	0.0	213.3	-0.69	1.27	-0.41	0.09	-0.31	2.10
128	69	1.65	0.31	7.53e-04	-2.84	0.0	-13.38	-0.64	0.41	-0.09	-0.52	1.65
		-2.74	-0.52	-0.02	0.0	213.3	-11.57	-3.48	0.41	-0.09	0.31	-2.74
128	92	1.99	-1.63e-03	-1.86e-03	-2.84	0.0	-2.67	4.06	-5.62e-03	0.05	-1.63e-03	-3.65
		-3.65	-0.16	-4.14e-03	0.0	213.3	-0.86	1.22	-5.62e-03	0.05	-0.16	1.99
128	93	1.66	0.16	6.71e-04	-2.84	0.0	-13.21	-0.59	0.01	-0.04	-5.01e-03	1.66
		-2.63	-5.01e-03	2.42e-03	0.0	213.3	-11.41	-3.43	0.01	-0.04	0.16	-2.63
128	100	1.83	0.45	-1.79e-03	-2.84	0.0	-3.11	3.84	-0.36	0.08	0.45	-3.35
		-3.35	-0.27	0.01	0.0	213.3	-1.31	1.00	-0.36	0.08	-0.27	1.83
128	101	1.35	0.27	6.01e-04	-2.84	0.0	-12.76	-0.37	0.36	-0.08	-0.45	1.35
		-2.47	-0.45	-0.01	0.0	213.3	-10.96	-3.21	0.36	-0.08	0.27	-2.47
128	124	3.93	0.05	-2.92e-03	-2.84	0.0	1.78	6.03	-0.05	0.10	0.05	-5.91
		-5.91	-0.33	4.81e-03	0.0	213.3	3.59	3.19	-0.05	0.10	-0.33	3.93
128	125	3.92	0.34	1.73e-03	-2.84	0.0	-17.66	-2.55	0.06	-0.09	-0.05	3.92
		-4.57	-0.05	-5.72e-03	0.0	213.3	-15.86	-5.39	0.06	-0.09	0.34	-4.57
128	132	3.58	0.99	-2.77e-03	-2.84	0.0	0.85	5.58	-0.80	0.19	0.99	-5.30
		-5.30	-0.62	0.04	0.0	213.3	2.66	2.74	-0.80	0.19	-0.62	3.58
128	133	3.30	0.62	1.58e-03	-2.84	0.0	-16.73	-2.10	0.80	-0.19	-1.00	3.30
		-4.23	-1.00	-0.04	0.0	213.3	-14.93	-4.94	0.80	-0.19	0.62	-4.23
130	2	5.65	0.0	2.68e-04	-0.08	0.0	8.38e-03	-56.43	3.14	-0.85	-0.31	5.65
		0.0	-0.31	2.21e-05	0.0	10.0	8.38e-03	-56.51	3.14	-0.85	0.0	0.0
130	3	1.09	0.0	5.30e-05	-0.06	0.0	6.82e-03	-10.87	0.61	-0.16	-0.06	1.09
		0.0	-0.06	3.11e-06	0.0	10.0	6.82e-03	-10.94	0.61	-0.16	0.0	0.0
130	6	4.38	0.0	2.09e-04	-0.08	0.0	0.01	-43.77	2.46	-0.66	-0.25	4.38
		0.0	-0.25	1.59e-05	0.0	10.0	0.01	-43.84	2.46	-0.66	0.0	0.0
130	7	1.09	0.0	5.29e-05	-0.06	0.0	9.76e-03	-10.89	0.63	-0.17	-0.06	1.09
		0.0	-0.06	2.08e-06	0.0	10.0	9.76e-03	-10.95	0.63	-0.17	0.0	0.0
130	9	1.09	0.0	5.33e-05	-0.06	0.0	5.67e-03	-10.88	0.62	-0.16	-0.06	1.09
		0.0	-0.06	3.77e-06	0.0	10.0	5.67e-03	-10.94	0.62	-0.16	0.0	0.0
130	10	3.91	0.0	1.86e-04	-0.06	0.0	5.74e-03	-39.06	2.17	-0.58	-0.22	3.91
		0.0	-0.22	1.53e-05	0.0	10.0	5.74e-03	-39.12	2.17	-0.58	0.0	0.0
130	11	1.09	0.0	5.32e-05	-0.06	0.0	7.63e-03	-10.89	0.63	-0.16	-0.06	1.09
		0.0	-0.06	3.09e-06	0.0	10.0	7.63e-03	-10.95	0.63	-0.16	0.0	0.0
130	12	3.06	0.0	1.46e-04	-0.06	0.0	7.68e-03	-30.62	1.71	-0.46	-0.17	3.06
		0.0	-0.17	1.12e-05	0.0	10.0	7.68e-03	-30.68	1.71	-0.46	0.0	0.0
130	13	1.09	0.0	5.34e-05	-0.06	0.0	2.72e-03	-10.87	0.60	-0.15	-0.06	1.09
		0.0	-0.06	4.80e-06	0.0	10.0	2.72e-03	-10.93	0.60	-0.15	0.0	0.0
130	14	2.50	0.0	1.20e-04	-0.06	0.0	2.76e-03	-24.96	1.38	-0.36	-0.14	2.50
		0.0	-0.14	1.06e-05	0.0	10.0	2.76e-03	-25.02	1.38	-0.36	0.0	0.0
130	15	1.09	0.0	5.33e-05	-0.06	0.0	3.70e-03	-10.88	0.61	-0.15	-0.06	1.09
		0.0	-0.06	4.46e-06	0.0	10.0	3.70e-03	-10.94	0.61	-0.15	0.0	0.0
130	16	1.94	0.0	9.31e-05	-0.06	0.0	3.73e-03	-19.33	1.07	-0.28	-0.11	1.94
		0.0	-0.11	7.92e-06	0.0	10.0	3.73e-03	-19.39	1.07	-0.28	0.0	0.0
130	17	1.09	0.0	5.34e-05	-0.06	0.0	2.72e-03	-10.87	0.60	-0.15	-0.06	1.09
		0.0	-0.06	4.80e-06	0.0	10.0	2.72e-03	-10.93	0.60	-0.15	0.0	0.0
130	18	1.94	0.0	9.31e-05	-0.06	0.0	2.74e-03	-19.32	1.07	-0.28	-0.11	1.94
		0.0	-0.11	8.26e-06	0.0	10.0	2.74e-03	-19.38	1.07	-0.28	0.0	0.0
130	19	1.82	0.0	1.18e-04	-0.06	0.0	-2.11	-18.17	3.54	0.13	-0.35	1.82
		0.0	-0.35	-5.44e-05	0.0	10.0	-2.11	-18.23	3.54	0.13	0.0	0.0
130	22	2.05	0.14	6.82e-05	-0.06	0.0	2.12	-20.48	-1.40	-0.69	0.14	2.05
		0.0	0.0	7.09e-05	0.0	10.0	2.12	-20.54	-1.40	-0.69	0.0	0.0
130	24	1.75	0.0	1.17e-04	-0.06	0.0	-1.32	-17.51	3.08	0.46	-0.31	1.75
		0.0	-0.31	-1.19e-04	0.0	10.0	-1.32	-17.57	3.08	0.46	0.0	0.0
130	27	1.81	0.0	1.21e-04	-0.06	0.0	-1.83	-18.04	4.59	0.34	-0.46	1.81
		0.0	-0.46	-4.46e-05	0.0	10.0	-1.83	-18.10	4.59	0.34	0.0	0.0
130	29	2.13	0.20	6.57e-05	-0.06	0.0	0.92	-21.29	-1.96	-1.22	0.20	2.13
		0.0	0.0	1.30e-04	0.0	10.0	0.92	-21.35	-1.96	-1.22	0.0	0.0
130	30	2.06	0.24	6.50e-05	-0.06	0.0	1.84	-20.61	-2.45	-0.89	0.24	2.06
		0.0	0.0	6.11e-05	0.0	10.0	1.84	-20.67	-2.45	-0.89	0.0	0.0
130	51	1.84	0.0	1.14e-04	-0.06	0.0	-1.54	-18.37	3.00	0.02	-0.30	1.84
		0.0	-0.30	-3.55e-05	0.0	10.0	-1.54	-18.43	3.00	0.02	0.0	0.0
130	54	2.03	0.09	7.26e-05	-0.06	0.0	1.55	-20.28	-0.86	-0.58	0.09	2.03
		0.0	0.0	5.20e-05	0.0	10.0	1.55	-20.34	-0.86	-0.58	0.0	0.0
130	56	1.79	0.0	1.13e-04	-0.06	0.0	-0.97	-17.90	2.65	0.26	-0.26	1.79
		0.0	-0.26	-8.42e-05	0.0	10.0	-0.97	-17.96	2.65	0.26	0.0	0.0
130	59	1.83	0.0	1.16e-04	-0.06	0.0	-1.34	-18.27	3.79	0.17	-0.38	1.83
		0.0	-0.38	-2.80e-05	0.0	10.0	-1.34	-18.33	3.79	0.17	0.0	0.0

130	61	2.09	0.13	7.05e-05	-0.06	0.0	0.68	-20.88	-1.28	-0.97	0.13	2.09
		0.0	0.0	9.68e-05	0.0	10.0	0.68	-20.94	-1.28	-0.97	0.0	0.0
130	62	2.04	0.17	7.01e-05	-0.06	0.0	1.34	-20.38	-1.66	-0.73	0.17	2.04
		0.0	0.0	4.46e-05	0.0	10.0	1.34	-20.44	-1.66	-0.73	0.0	0.0
130	83	1.85	0.0	1.12e-04	-0.06	0.0	-1.36	-18.47	2.78	-0.02	-0.28	1.85
		0.0	-0.28	-3.03e-05	0.0	10.0	-1.36	-18.53	2.78	-0.02	0.0	0.0
130	86	2.02	0.06	7.47e-05	-0.06	0.0	1.37	-20.18	-0.64	-0.54	0.06	2.02
		0.0	0.0	4.68e-05	0.0	10.0	1.37	-20.24	-0.64	-0.54	0.0	0.0
130	88	1.81	0.0	1.11e-04	-0.06	0.0	-0.85	-18.05	2.47	0.20	-0.25	1.81
		0.0	-0.25	-7.36e-05	0.0	10.0	-0.85	-18.11	2.47	0.20	0.0	0.0
130	91	1.84	0.0	1.14e-04	-0.06	0.0	-1.18	-18.38	3.50	0.12	-0.35	1.84
		0.0	-0.35	-2.35e-05	0.0	10.0	-1.18	-18.44	3.50	0.12	0.0	0.0
130	93	2.07	0.10	7.29e-05	-0.06	0.0	0.60	-20.71	-1.03	-0.89	0.10	2.07
		0.0	0.0	8.64e-05	0.0	10.0	0.60	-20.77	-1.03	-0.89	0.0	0.0
130	94	2.03	0.14	7.25e-05	-0.06	0.0	1.19	-20.27	-1.36	-0.67	0.14	2.03
		0.0	0.0	4.00e-05	0.0	10.0	1.19	-20.33	-1.36	-0.67	0.0	0.0
130	115	1.80	0.0	1.22e-04	-0.06	0.0	-2.53	-17.98	3.96	0.21	-0.40	1.80
		0.0	-0.40	-6.88e-05	0.0	10.0	-2.53	-18.04	3.96	0.21	0.0	0.0
130	118	2.07	0.18	6.41e-05	-0.06	0.0	2.54	-20.67	-1.82	-0.77	0.18	2.07
		0.0	0.0	8.53e-05	0.0	10.0	2.54	-20.73	-1.82	-0.77	0.0	0.0
130	120	1.72	0.0	1.21e-04	-0.06	0.0	-1.58	-17.18	3.41	0.61	-0.34	1.72
		0.0	-0.34	-1.47e-04	0.0	10.0	-1.58	-17.24	3.41	0.61	0.0	0.0
130	123	1.79	0.0	1.26e-04	-0.06	0.0	-2.20	-17.83	5.18	0.46	-0.52	1.79
		0.0	-0.52	-5.81e-05	0.0	10.0	-2.20	-17.89	5.18	0.46	0.0	0.0
130	125	2.17	0.25	6.12e-05	-0.06	0.0	1.10	-21.65	-2.46	-1.42	0.25	2.17
		0.0	0.0	1.58e-04	0.0	10.0	1.10	-21.71	-2.46	-1.42	0.0	0.0
130	126	2.08	0.30	6.03e-05	-0.06	0.0	2.21	-20.82	-3.04	-1.02	0.30	2.08
		0.0	0.0	7.46e-05	0.0	10.0	2.21	-20.88	-3.04	-1.02	0.0	0.0
131	2	1.59	-1.25	1.45e-05	-0.16	0.0	0.04	-1.48	-3.67	-4.39e-03	-1.25	1.59
		1.28	-1.99	1.27e-04	0.0	20.0	0.04	-1.64	-3.67	-4.39e-03	-1.99	1.28
131	3	0.73	-0.19	4.17e-06	-0.12	0.0	0.02	-0.22	-0.69	-1.17e-03	-0.19	0.73
		0.67	-0.33	2.03e-05	0.0	20.0	0.02	-0.35	-0.69	-1.17e-03	-0.33	0.67
131	6	1.41	-0.94	1.12e-05	-0.16	0.0	0.05	-1.13	-2.85	-3.81e-03	-0.94	1.41
		1.17	-1.51	9.47e-05	0.0	20.0	0.05	-1.29	-2.85	-3.81e-03	-1.51	1.17
131	7	0.75	-0.18	3.07e-06	-0.12	0.0	0.03	-0.23	-0.69	-1.49e-03	-0.18	0.75
		0.69	-0.32	1.79e-05	0.0	20.0	0.03	-0.35	-0.69	-1.49e-03	-0.32	0.69
131	9	0.72	-0.20	5.35e-06	-0.12	0.0	0.02	-0.22	-0.69	-1.03e-03	-0.20	0.72
		0.66	-0.33	2.18e-05	0.0	20.0	0.02	-0.34	-0.69	-1.03e-03	-0.33	0.66
131	10	1.16	-0.87	1.01e-05	-0.12	0.0	0.03	-1.02	-2.54	-3.02e-03	-0.87	1.16
		0.94	-1.38	8.77e-05	0.0	20.0	0.03	-1.14	-2.54	-3.02e-03	-1.38	0.94
131	11	0.73	-0.19	4.62e-06	-0.12	0.0	0.02	-0.22	-0.69	-1.23e-03	-0.19	0.73
		0.67	-0.33	2.01e-05	0.0	20.0	0.02	-0.34	-0.69	-1.23e-03	-0.33	0.67
131	12	1.04	-0.66	7.93e-06	-0.12	0.0	0.03	-0.78	-1.99	-2.63e-03	-0.66	1.04
		0.87	-1.05	6.63e-05	0.0	20.0	0.03	-0.90	-1.99	-2.63e-03	-1.05	0.87
131	13	0.70	-0.21	6.45e-06	-0.12	0.0	7.40e-03	-0.21	-0.68	-7.13e-04	-0.21	0.70
		0.65	-0.35	2.42e-05	0.0	20.0	7.40e-03	-0.34	-0.68	-7.13e-04	-0.35	0.65
131	14	0.92	-0.55	8.81e-06	-0.12	0.0	0.01	-0.61	-1.61	-1.71e-03	-0.55	0.92
		0.79	-0.87	5.72e-05	0.0	20.0	0.01	-0.74	-1.61	-1.71e-03	-0.87	0.79
131	15	0.71	-0.21	6.08e-06	-0.12	0.0	0.01	-0.22	-0.68	-8.17e-04	-0.21	0.71
		0.65	-0.34	2.34e-05	0.0	20.0	0.01	-0.34	-0.68	-8.17e-04	-0.34	0.65
131	16	0.84	-0.41	7.50e-06	-0.12	0.0	0.01	-0.46	-1.24	-1.41e-03	-0.41	0.84
		0.74	-0.66	4.32e-05	0.0	20.0	0.01	-0.58	-1.24	-1.41e-03	-0.66	0.74
131	17	0.70	-0.21	6.45e-06	-0.12	0.0	7.40e-03	-0.21	-0.68	-7.13e-04	-0.21	0.70
		0.65	-0.35	2.42e-05	0.0	20.0	7.40e-03	-0.34	-0.68	-7.13e-04	-0.35	0.65
131	18	0.83	-0.41	7.87e-06	-0.12	0.0	0.01	-0.45	-1.24	-1.31e-03	-0.41	0.83
		0.73	-0.66	4.40e-05	0.0	20.0	0.01	-0.58	-1.24	-1.31e-03	-0.66	0.73
131	28	-2.58	-5.73	6.57e-05	-0.12	0.0	-1.29	0.24	-0.43	8.02e-03	-5.73	-2.61
		-2.61	-5.75	-7.89e-05	0.0	20.0	-1.29	0.12	-0.43	8.02e-03	-5.75	-2.58
131	29	4.28	4.90	-5.00e-05	-0.12	0.0	1.31	-1.15	-2.04	-0.01	4.90	4.28
		4.04	4.43	1.67e-04	0.0	20.0	1.31	-1.27	-2.04	-0.01	4.43	4.04
131	40	-2.07	-4.63	-2.19e-05	-0.12	0.0	-1.49	0.11	-1.80	-4.43e-03	-4.63	-2.08
		-2.08	-4.66	-1.36e-04	0.0	20.0	-1.49	-0.02	-1.80	-4.43e-03	-4.66	-2.07
131	41	3.75	3.80	3.76e-05	-0.12	0.0	1.52	-1.01	-0.68	1.81e-03	3.80	3.75
		3.53	3.34	2.24e-04	0.0	20.0	1.52	-1.14	-0.68	1.81e-03	3.34	3.53
131	60	-1.70	-4.35	4.98e-05	-0.12	0.0	-0.98	0.06	-0.64	5.46e-03	-4.35	-1.70
		-1.70	-4.43	-4.75e-05	0.0	20.0	-0.98	-0.07	-0.64	5.46e-03	-4.43	-1.70
131	61	3.37	3.52	-3.41e-05	-0.12	0.0	1.00	-0.96	-1.83	-8.08e-03	3.52	3.37
		3.16	3.11	1.36e-04	0.0	20.0	1.00	-1.09	-1.83	-8.08e-03	3.11	3.16
131	72	-1.32	-3.53	-1.41e-05	-0.12	0.0	-1.15	-0.04	-1.65	-3.55e-03	-3.53	-1.32
		-1.34	-3.62	-9.30e-05	0.0	20.0	-1.15	-0.16	-1.65	-3.55e-03	-3.62	-1.34
131	73	2.99	2.71	2.99e-05	-0.12	0.0	1.17	-0.87	-0.82	9.32e-04	2.71	2.99
		2.80	2.30	1.81e-04	0.0	20.0	1.17	-0.99	-0.82	9.32e-04	2.30	2.80
131	92	-1.41	-3.90	4.49e-05	-0.12	0.0	-0.87	-3.27e-03	-0.71	4.67e-03	-3.90	-1.41
		-1.42	-4.00	-3.70e-05	0.0	20.0	-0.87	-0.13	-0.71	4.67e-03	-4.00	-1.42
131	93	3.08	3.07	-2.92e-05	-0.12	0.0	0.89	-0.90	-1.76	-7.29e-03	3.07	3.08

		2.88	2.68	1.25e-04	0.0	20.0	0.89	-1.03	-1.76	-7.29e-03	2.68	2.88
131	104	-1.07	-3.18	-1.16e-05	-0.12	0.0	-1.02	-0.09	-1.60	-3.29e-03	-3.18	-1.07
		-1.10	-3.28	-7.77e-05	0.0	20.0	-1.02	-0.21	-1.60	-3.29e-03	-3.28	-1.10
131	105	2.74	2.35	2.73e-05	-0.12	0.0	1.04	-0.82	-0.87	6.66e-04	2.35	2.74
		2.57	1.96	1.66e-04	0.0	20.0	1.04	-0.94	-0.87	6.66e-04	1.96	2.57
131	124	-3.27	-6.78	7.80e-05	-0.12	0.0	-1.54	0.38	-0.27	9.95e-03	-6.82	-3.34
		-3.34	-6.82	-1.07e-04	0.0	20.0	-1.54	0.26	-0.27	9.95e-03	-6.78	-3.27
131	125	5.01	5.99	-6.23e-05	-0.12	0.0	1.56	-1.29	-2.21	-0.01	5.99	5.01
		4.74	5.46	1.95e-04	0.0	20.0	1.56	-1.41	-2.21	-0.01	5.46	4.74
131	136	-2.65	-5.48	-2.79e-05	-0.12	0.0	-1.79	0.22	-1.92	-5.08e-03	-5.50	-2.68
		-2.68	-5.50	-1.75e-04	0.0	20.0	-1.79	0.10	-1.92	-5.08e-03	-5.48	-2.65
131	137	4.35	4.68	4.37e-05	-0.12	0.0	1.81	-1.13	-0.55	2.46e-03	4.68	4.35
		4.12	4.17	2.63e-04	0.0	20.0	1.81	-1.25	-0.55	2.46e-03	4.17	4.12
133	1	4.45	0.0	-2.64e-04	-12.70	0.0	-0.07	6.35	0.0	-1.21e-03	0.0	0.0
		0.0	0.0	-1.32e-04	0.0	280.0	-0.07	-6.35	0.0	-1.21e-03	0.0	0.0
133	2	4.45	0.0	-2.68e-04	-12.70	0.0	-0.38	6.35	0.0	-5.43e-03	0.0	0.0
		0.0	0.0	6.66e-05	0.0	280.0	-0.38	-6.35	0.0	-5.43e-03	0.0	0.0
133	7	3.42	0.0	-2.10e-04	-9.77	0.0	-0.05	4.88	0.0	-1.01e-03	0.0	0.0
		0.0	0.0	-3.02e-04	0.0	280.0	-0.05	-4.88	0.0	-1.01e-03	0.0	0.0
133	9	3.42	0.0	-2.06e-04	-9.77	0.0	-0.05	4.88	0.0	-9.70e-04	0.0	0.0
		0.0	0.0	-7.43e-05	0.0	280.0	-0.05	-4.88	0.0	-9.70e-04	0.0	0.0
133	10	3.42	0.0	-2.08e-04	-9.77	0.0	-0.26	4.88	0.0	-3.79e-03	0.0	0.0
		0.0	0.0	5.79e-05	0.0	280.0	-0.26	-4.88	0.0	-3.79e-03	0.0	0.0
133	11	3.42	0.0	-2.06e-04	-9.77	0.0	-0.05	4.88	0.0	-9.66e-04	0.0	0.0
		0.0	0.0	-1.78e-04	0.0	280.0	-0.05	-4.88	0.0	-9.66e-04	0.0	0.0
133	13	3.42	0.0	-2.05e-04	-9.77	0.0	-0.06	4.88	0.0	-9.76e-04	0.0	0.0
		0.0	0.0	8.06e-05	0.0	280.0	-0.06	-4.88	0.0	-9.76e-04	0.0	0.0
133	14	3.42	0.0	-2.06e-04	-9.77	0.0	-0.16	4.88	0.0	-2.38e-03	0.0	0.0
		0.0	0.0	1.47e-04	0.0	280.0	-0.16	-4.88	0.0	-2.38e-03	0.0	0.0
133	15	3.42	0.0	-2.05e-04	-9.77	0.0	-0.06	4.88	0.0	-9.74e-04	0.0	0.0
		0.0	0.0	2.90e-05	0.0	280.0	-0.06	-4.88	0.0	-9.74e-04	0.0	0.0
133	17	3.42	0.0	-2.05e-04	-9.77	0.0	-0.06	4.88	0.0	-9.76e-04	0.0	0.0
		0.0	0.0	8.06e-05	0.0	280.0	-0.06	-4.88	0.0	-9.76e-04	0.0	0.0
133	18	3.42	0.0	-2.06e-04	-9.77	0.0	-0.12	4.88	0.0	-1.82e-03	0.0	0.0
		0.0	0.0	1.20e-04	0.0	280.0	-0.12	-4.88	0.0	-1.82e-03	0.0	0.0
133	19	3.42	0.0	-1.60e-04	-9.77	0.0	-11.39	4.88	0.0	-0.01	0.0	0.0
		0.0	0.0	1.57e-03	0.0	280.0	-11.39	-4.88	0.0	-0.01	0.0	0.0
133	22	3.42	0.0	-2.56e-04	-9.77	0.0	11.15	4.88	0.0	9.91e-03	0.0	0.0
		0.0	0.0	-1.33e-03	0.0	280.0	11.15	-4.88	0.0	9.91e-03	0.0	0.0
133	27	3.42	0.0	1.73e-04	-9.77	0.0	-10.80	4.88	0.0	-0.02	0.0	0.0
		0.0	0.0	3.29e-03	0.0	280.0	-10.80	-4.88	0.0	-0.02	0.0	0.0
133	30	3.42	0.0	-2.66e-04	-9.77	0.0	10.56	4.88	0.0	0.01	0.0	0.0
		0.0	0.0	-3.05e-03	0.0	280.0	10.56	-4.88	0.0	0.01	0.0	0.0
133	34	3.42	0.0	-2.67e-04	-9.77	0.0	10.26	4.88	0.0	0.01	0.0	0.0
		0.0	0.0	-3.04e-03	0.0	280.0	10.26	-4.88	0.0	0.01	0.0	0.0
133	40	3.42	0.0	2.27e-04	-9.77	0.0	5.61	4.88	0.0	1.41e-03	0.0	0.0
		0.0	0.0	2.24e-03	0.0	280.0	5.61	-4.88	0.0	1.41e-03	0.0	0.0
133	51	3.42	0.0	-1.72e-04	-9.77	0.0	-8.28	4.88	0.0	-0.01	0.0	0.0
		0.0	0.0	1.13e-03	0.0	280.0	-8.28	-4.88	0.0	-0.01	0.0	0.0
133	54	3.42	0.0	-2.43e-04	-9.77	0.0	8.04	4.88	0.0	7.37e-03	0.0	0.0
		0.0	0.0	-8.88e-04	0.0	280.0	8.04	-4.88	0.0	7.37e-03	0.0	0.0
133	59	3.42	0.0	-1.66e-04	-9.77	0.0	-7.85	4.88	0.0	-0.01	0.0	0.0
		0.0	0.0	2.38e-03	0.0	280.0	-7.85	-4.88	0.0	-0.01	0.0	0.0
133	62	3.42	0.0	-2.50e-04	-9.77	0.0	7.61	4.88	0.0	0.01	0.0	0.0
		0.0	0.0	-2.14e-03	0.0	280.0	7.61	-4.88	0.0	0.01	0.0	0.0
133	66	3.42	0.0	-2.51e-04	-9.77	0.0	7.40	4.88	0.0	0.01	0.0	0.0
		0.0	0.0	-2.14e-03	0.0	280.0	7.40	-4.88	0.0	0.01	0.0	0.0
133	72	3.42	0.0	1.82e-04	-9.77	0.0	4.06	4.88	0.0	6.99e-04	0.0	0.0
		0.0	0.0	1.58e-03	0.0	280.0	4.06	-4.88	0.0	6.99e-04	0.0	0.0
133	83	3.42	0.0	-1.76e-04	-9.77	0.0	-7.32	4.88	0.0	-0.01	0.0	0.0
		0.0	0.0	1.00e-03	0.0	280.0	-7.32	-4.88	0.0	-0.01	0.0	0.0
133	86	3.42	0.0	-2.39e-04	-9.77	0.0	7.08	4.88	0.0	6.36e-03	0.0	0.0
		0.0	0.0	-7.64e-04	0.0	280.0	7.08	-4.88	0.0	6.36e-03	0.0	0.0
133	91	3.42	0.0	-1.70e-04	-9.77	0.0	-6.95	4.88	0.0	-0.01	0.0	0.0
		0.0	0.0	2.11e-03	0.0	280.0	-6.95	-4.88	0.0	-0.01	0.0	0.0
133	94	3.42	0.0	-2.45e-04	-9.77	0.0	6.71	4.88	0.0	9.49e-03	0.0	0.0
		0.0	0.0	-1.87e-03	0.0	280.0	6.71	-4.88	0.0	9.49e-03	0.0	0.0
133	98	3.42	0.0	-2.46e-04	-9.77	0.0	6.52	4.88	0.0	9.37e-03	0.0	0.0
		0.0	0.0	-1.88e-03	0.0	280.0	6.52	-4.88	0.0	9.37e-03	0.0	0.0
133	104	3.42	0.0	1.67e-04	-9.77	0.0	3.57	4.88	0.0	4.22e-04	0.0	0.0
		0.0	0.0	1.40e-03	0.0	280.0	3.57	-4.88	0.0	4.22e-04	0.0	0.0
133	115	3.42	0.0	1.75e-04	-9.77	0.0	-13.71	4.88	0.0	-0.02	0.0	0.0
		0.0	0.0	1.88e-03	0.0	280.0	-13.71	-4.88	0.0	-0.02	0.0	0.0
133	118	3.42	0.0	-2.67e-04	-9.77	0.0	13.47	4.88	0.0	0.01	0.0	0.0
		0.0	0.0	-1.64e-03	0.0	280.0	13.47	-4.88	0.0	0.01	0.0	0.0

133	123	3.42	0.0	1.99e-04	-9.77	0.0	-13.04	4.88	0.0	-0.02	0.0	0.0
		0.0	0.0	3.96e-03	0.0	280.0	-13.04	-4.88	0.0	-0.02	0.0	0.0
133	126	3.42	0.0	-2.80e-04	-9.77	0.0	12.80	4.88	0.0	0.02	0.0	0.0
		0.0	0.0	-3.72e-03	0.0	280.0	12.80	-4.88	0.0	0.02	0.0	0.0
133	130	3.42	0.0	-2.81e-04	-9.77	0.0	12.44	4.88	0.0	0.02	0.0	0.0
		0.0	0.0	-3.71e-03	0.0	280.0	12.44	-4.88	0.0	0.02	0.0	0.0
133	136	3.42	0.0	2.63e-04	-9.77	0.0	6.81	4.88	0.0	2.06e-03	0.0	0.0
		0.0	0.0	2.69e-03	0.0	280.0	6.81	-4.88	0.0	2.06e-03	0.0	0.0
136	1	4.45	0.0	-3.45e-04	-12.70	0.0	-0.24	6.35	0.0	0.01	0.0	0.0
		0.0	0.0	-3.03e-04	0.0	280.0	-0.24	-6.35	0.0	0.01	0.0	0.0
136	3	3.42	0.0	-2.61e-04	-9.77	0.0	-0.22	4.88	0.0	9.34e-03	0.0	0.0
		0.0	0.0	-2.97e-04	0.0	280.0	-0.22	-4.88	0.0	9.34e-03	0.0	0.0
136	5	4.45	0.0	-3.50e-04	-12.70	0.0	-0.36	6.35	0.0	0.01	0.0	0.0
		0.0	0.0	-4.77e-04	0.0	280.0	-0.36	-6.35	0.0	0.01	0.0	0.0
136	6	4.45	0.0	-3.46e-04	-12.70	0.0	-0.45	6.35	0.0	0.02	0.0	0.0
		0.0	0.0	-4.36e-04	0.0	280.0	-0.45	-6.35	0.0	0.02	0.0	0.0
136	9	3.42	0.0	-2.63e-04	-9.77	0.0	-0.17	4.88	0.0	6.94e-03	0.0	0.0
		0.0	0.0	-2.08e-04	0.0	280.0	-0.17	-4.88	0.0	6.94e-03	0.0	0.0
136	11	3.42	0.0	-2.65e-04	-9.77	0.0	-0.24	4.88	0.0	0.01	0.0	0.0
		0.0	0.0	-3.24e-04	0.0	280.0	-0.24	-4.88	0.0	0.01	0.0	0.0
136	12	3.42	0.0	-2.63e-04	-9.77	0.0	-0.30	4.88	0.0	0.01	0.0	0.0
		0.0	0.0	-2.97e-04	0.0	280.0	-0.30	-4.88	0.0	0.01	0.0	0.0
136	13	3.42	0.0	-2.59e-04	-9.77	0.0	-0.05	4.88	0.0	2.06e-03	0.0	0.0
		0.0	0.0	-3.42e-05	0.0	280.0	-0.05	-4.88	0.0	2.06e-03	0.0	0.0
136	15	3.42	0.0	-2.60e-04	-9.77	0.0	-0.09	4.88	0.0	3.69e-03	0.0	0.0
		0.0	0.0	-9.22e-05	0.0	280.0	-0.09	-4.88	0.0	3.69e-03	0.0	0.0
136	16	3.42	0.0	-2.59e-04	-9.77	0.0	-0.11	4.88	0.0	5.03e-03	0.0	0.0
		0.0	0.0	-8.04e-05	0.0	280.0	-0.11	-4.88	0.0	5.03e-03	0.0	0.0
136	17	3.42	0.0	-2.59e-04	-9.77	0.0	-0.05	4.88	0.0	2.06e-03	0.0	0.0
		0.0	0.0	-3.42e-05	0.0	280.0	-0.05	-4.88	0.0	2.06e-03	0.0	0.0
136	18	3.42	0.0	-2.58e-04	-9.77	0.0	-0.08	4.88	0.0	3.40e-03	0.0	0.0
		0.0	0.0	-2.24e-05	0.0	280.0	-0.08	-4.88	0.0	3.40e-03	0.0	0.0
136	19	3.42	0.0	-2.95e-04	-9.77	0.0	9.93	4.88	0.0	-8.89e-03	0.0	0.0
		0.0	0.0	-1.14e-03	0.0	280.0	9.93	-4.88	0.0	-8.89e-03	0.0	0.0
136	22	3.42	0.0	-2.23e-04	-9.77	0.0	-10.08	4.88	0.0	0.02	0.0	0.0
		0.0	0.0	1.10e-03	0.0	280.0	-10.08	-4.88	0.0	0.02	0.0	0.0
136	24	3.42	0.0	-3.46e-04	-9.77	0.0	6.40	4.88	0.0	-0.04	0.0	0.0
		0.0	0.0	-1.72e-03	0.0	280.0	6.40	-4.88	0.0	-0.04	0.0	0.0
136	25	3.42	0.0	-1.81e-04	-9.77	0.0	-6.55	4.88	0.0	0.04	0.0	0.0
		0.0	0.0	1.67e-03	0.0	280.0	-6.55	-4.88	0.0	0.04	0.0	0.0
136	30	3.42	0.0	-2.21e-04	-9.77	0.0	-9.09	4.88	0.0	0.02	0.0	0.0
		0.0	0.0	2.19e-03	0.0	280.0	-9.09	-4.88	0.0	0.02	0.0	0.0
136	46	3.42	0.0	-3.29e-04	-9.77	0.0	-8.32	4.88	0.0	-0.05	0.0	0.0
		0.0	0.0	-1.35e-03	0.0	280.0	-8.32	-4.88	0.0	-0.05	0.0	0.0
136	51	3.42	0.0	-2.85e-04	-9.77	0.0	7.19	4.88	0.0	-5.43e-03	0.0	0.0
		0.0	0.0	-8.15e-04	0.0	280.0	7.19	-4.88	0.0	-5.43e-03	0.0	0.0
136	54	3.42	0.0	-2.32e-04	-9.77	0.0	-7.34	4.88	0.0	0.01	0.0	0.0
		0.0	0.0	7.71e-04	0.0	280.0	-7.34	-4.88	0.0	0.01	0.0	0.0
136	56	3.42	0.0	-3.23e-04	-9.77	0.0	4.62	4.88	0.0	-0.03	0.0	0.0
		0.0	0.0	-1.20e-03	0.0	280.0	4.62	-4.88	0.0	-0.03	0.0	0.0
136	57	3.42	0.0	-1.98e-04	-9.77	0.0	-4.77	4.88	0.0	0.03	0.0	0.0
		0.0	0.0	1.16e-03	0.0	280.0	-4.77	-4.88	0.0	0.03	0.0	0.0
136	62	3.42	0.0	-2.31e-04	-9.77	0.0	-6.65	4.88	0.0	0.01	0.0	0.0
		0.0	0.0	1.52e-03	0.0	280.0	-6.65	-4.88	0.0	0.01	0.0	0.0
136	78	3.42	0.0	-3.11e-04	-9.77	0.0	-6.06	4.88	0.0	-0.04	0.0	0.0
		0.0	0.0	-9.67e-04	0.0	280.0	-6.06	-4.88	0.0	-0.04	0.0	0.0
136	83	3.42	0.0	-2.82e-04	-9.77	0.0	6.34	4.88	0.0	-4.37e-03	0.0	0.0
		0.0	0.0	-7.20e-04	0.0	280.0	6.34	-4.88	0.0	-4.37e-03	0.0	0.0
136	86	3.42	0.0	-2.35e-04	-9.77	0.0	-6.50	4.88	0.0	0.01	0.0	0.0
		0.0	0.0	6.75e-04	0.0	280.0	-6.50	-4.88	0.0	0.01	0.0	0.0
136	88	3.42	0.0	-3.16e-04	-9.77	0.0	4.07	4.88	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.06e-03	0.0	280.0	4.07	-4.88	0.0	-0.02	0.0	0.0
136	89	3.42	0.0	-2.05e-04	-9.77	0.0	-4.22	4.88	0.0	0.03	0.0	0.0
		0.0	0.0	1.01e-03	0.0	280.0	-4.22	-4.88	0.0	0.03	0.0	0.0
136	94	3.42	0.0	-2.34e-04	-9.77	0.0	-5.88	4.88	0.0	0.01	0.0	0.0
		0.0	0.0	1.33e-03	0.0	280.0	-5.88	-4.88	0.0	0.01	0.0	0.0
136	110	3.42	0.0	-3.05e-04	-9.77	0.0	-5.36	4.88	0.0	-0.03	0.0	0.0
		0.0	0.0	-8.54e-04	0.0	280.0	-5.36	-4.88	0.0	-0.03	0.0	0.0
136	115	3.42	0.0	-3.03e-04	-9.77	0.0	12.00	4.88	0.0	-0.01	0.0	0.0
		0.0	0.0	-1.37e-03	0.0	280.0	12.00	-4.88	0.0	-0.01	0.0	0.0
136	118	3.42	0.0	-2.16e-04	-9.77	0.0	-12.15	4.88	0.0	0.02	0.0	0.0
		0.0	0.0	1.33e-03	0.0	280.0	-12.15	-4.88	0.0	0.02	0.0	0.0
136	120	3.42	0.0	-3.67e-04	-9.77	0.0	7.73	4.88	0.0	-0.04	0.0	0.0
		0.0	0.0	-2.07e-03	0.0	280.0	7.73	-4.88	0.0	-0.04	0.0	0.0
136	121	3.42	0.0	-1.66e-04	-9.77	0.0	-7.88	4.88	0.0	0.05	0.0	0.0

		0.0	0.0	2.02e-03	0.0	280.0	-7.88	-4.88	0.0	0.05	0.0	0.0
136	126	3.42	0.0	-2.13e-04	-9.77	0.0	-10.98	4.88	0.0	0.02	0.0	0.0
		0.0	0.0	2.65e-03	0.0	280.0	-10.98	-4.88	0.0	0.02	0.0	0.0
136	142	3.42	0.0	-3.44e-04	-9.77	0.0	-10.04	4.88	0.0	-0.06	0.0	0.0
		0.0	0.0	-1.63e-03	0.0	280.0	-10.04	-4.88	0.0	-0.06	0.0	0.0
139	2	1.42	0.02	-2.77e-04	-2.53	0.0	19.37	1.97	6.17e-04	-9.38e-05	0.02	-1.04
		-1.04	0.02	5.82e-05	0.0	320.0	19.37	-0.56	6.17e-04	-9.38e-05	0.02	1.22
139	3	0.69	9.16e-03	-1.00e-04	-1.95	0.0	2.69	1.22	8.05e-04	-4.06e-04	6.58e-03	-0.52
		-0.52	6.58e-03	-7.42e-05	0.0	320.0	2.69	-0.73	8.05e-04	-4.06e-04	9.16e-03	0.25
139	6	1.29	0.02	-2.35e-04	-2.53	0.0	14.07	1.91	3.73e-04	-4.29e-04	0.02	-1.03
		-1.03	0.02	-3.45e-05	0.0	320.0	14.07	-0.62	3.73e-04	-4.29e-04	0.02	1.04
139	7	0.72	0.01	-1.05e-04	-1.95	0.0	2.03	1.28	5.56e-04	-6.49e-04	0.01	-0.63
		-0.63	0.01	-1.29e-04	0.0	320.0	2.03	-0.67	5.56e-04	-6.49e-04	0.01	0.36
139	9	0.67	6.89e-03	-9.67e-05	-1.95	0.0	3.06	1.18	6.99e-04	-2.77e-04	4.65e-03	-0.49
		-0.49	4.65e-03	-4.44e-05	0.0	320.0	3.06	-0.77	6.99e-04	-2.77e-04	6.89e-03	0.19
139	10	1.02	0.01	-1.97e-04	-1.95	0.0	13.39	1.46	6.91e-04	-7.23e-05	0.01	-0.73
		-0.73	0.01	3.88e-05	0.0	320.0	13.39	-0.49	6.91e-04	-7.23e-05	0.01	0.83
139	11	0.69	9.80e-03	-1.00e-04	-1.95	0.0	2.62	1.23	5.33e-04	-4.39e-04	8.09e-03	-0.55
		-0.55	8.09e-03	-8.13e-05	0.0	320.0	2.62	-0.72	5.33e-04	-4.39e-04	9.80e-03	0.26
139	12	0.93	0.01	-1.70e-04	-1.95	0.0	9.85	1.42	5.28e-04	-2.95e-04	0.01	-0.73
		-0.73	0.01	-2.30e-05	0.0	320.0	9.85	-0.53	5.28e-04	-2.95e-04	0.01	0.71
139	13	0.64	2.53e-03	-9.19e-05	-1.95	0.0	3.72	1.12	9.47e-04	-3.40e-05	-4.98e-04	-0.38
		-0.38	-4.98e-04	1.08e-05	0.0	320.0	3.72	-0.83	9.47e-04	-3.40e-05	2.53e-03	0.07
139	14	0.79	5.42e-03	-1.40e-04	-1.95	0.0	8.89	1.26	9.43e-04	6.82e-05	2.40e-03	-0.51
		-0.51	2.40e-03	5.24e-05	0.0	320.0	8.89	-0.69	9.43e-04	6.82e-05	5.42e-03	0.39
139	15	0.65	3.99e-03	-9.34e-05	-1.95	0.0	3.50	1.14	8.65e-04	-1.15e-04	1.22e-03	-0.42
		-0.42	1.22e-03	-7.62e-06	0.0	320.0	3.50	-0.81	8.65e-04	-1.15e-04	3.99e-03	0.11
139	16	0.74	5.71e-03	-1.22e-04	-1.95	0.0	6.60	1.22	8.62e-04	-5.36e-05	2.96e-03	-0.49
		-0.49	2.96e-03	1.73e-05	0.0	320.0	6.60	-0.73	8.62e-04	-5.36e-05	5.71e-03	0.30
139	17	0.64	2.53e-03	-9.19e-05	-1.95	0.0	3.72	1.12	9.47e-04	-3.40e-05	-4.98e-04	-0.38
		-0.38	-4.98e-04	1.08e-05	0.0	320.0	3.72	-0.83	9.47e-04	-3.40e-05	2.53e-03	0.07
139	18	0.73	4.26e-03	-1.21e-04	-1.95	0.0	6.82	1.20	9.45e-04	2.73e-05	1.24e-03	-0.46
		-0.46	1.24e-03	3.58e-05	0.0	320.0	6.82	-0.75	9.45e-04	2.73e-05	4.26e-03	0.27
139	19	1.06	-0.46	-1.79e-04	-1.95	0.0	3.52	1.77	-1.23	-6.29e-03	-0.46	-1.51
		-1.51	-3.56	5.19e-03	0.0	320.0	3.52	-0.18	-1.23	-6.29e-03	-3.56	1.03
139	22	0.92	3.57	-8.76e-05	-1.95	0.0	10.12	0.64	1.24	6.35e-03	0.46	0.59
		-0.50	0.46	-5.12e-03	0.0	320.0	10.12	-1.31	1.24	6.35e-03	3.57	-0.50
139	48	2.69	1.23	-3.10e-04	-1.95	0.0	-4.06	2.94	0.44	-4.87e-03	-0.94	-3.62
		-3.62	-0.94	4.94e-03	0.0	320.0	-4.06	0.99	0.44	-4.87e-03	1.23	2.69
139	49	2.70	0.95	1.07e-04	-1.95	0.0	17.70	-0.54	-0.44	4.93e-03	0.95	2.70
		-2.15	-1.22	-4.87e-03	0.0	320.0	17.70	-2.49	-0.44	4.93e-03	-1.22	-2.15
139	51	0.93	-0.36	-1.63e-04	-1.95	0.0	4.34	1.62	-0.90	-4.52e-03	-0.36	-1.24
		-1.24	-2.58	3.72e-03	0.0	320.0	4.34	-0.33	-0.90	-4.52e-03	-2.58	0.84
139	54	0.82	2.59	-9.28e-05	-1.95	0.0	9.30	0.78	0.90	4.58e-03	0.36	0.33
		-0.31	0.36	-3.65e-03	0.0	320.0	9.30	-1.17	0.90	4.58e-03	2.59	-0.31
139	80	2.09	0.92	-2.59e-04	-1.95	0.0	-1.46	2.51	0.33	-3.80e-03	-0.72	-2.83
		-2.83	-0.72	3.51e-03	0.0	320.0	-1.46	0.56	0.33	-3.80e-03	0.92	2.09
139	81	1.91	0.72	-7.68e-05	-1.95	0.0	15.10	-0.11	-0.33	3.85e-03	0.72	1.91
		-1.56	-0.91	-3.44e-03	0.0	320.0	15.10	-2.06	-0.33	3.85e-03	-0.91	-1.56
139	83	0.89	-0.32	-1.58e-04	-1.95	0.0	4.62	1.58	-0.79	-3.99e-03	-0.32	-1.16
		-1.16	-2.28	3.28e-03	0.0	320.0	4.62	-0.37	-0.79	-3.99e-03	-2.28	0.78
139	86	0.79	2.29	-9.53e-05	-1.95	0.0	9.03	0.83	0.79	4.04e-03	0.32	0.24
		-0.25	0.32	-3.21e-03	0.0	320.0	9.03	-1.12	0.79	4.04e-03	2.29	-0.25
139	112	1.89	0.81	-2.42e-04	-1.95	0.0	-0.54	2.36	0.29	-3.38e-03	-0.64	-2.56
		-2.56	-0.64	3.09e-03	0.0	320.0	-0.54	0.41	0.29	-3.38e-03	0.81	1.89
139	113	1.65	0.64	-7.70e-05	-1.95	0.0	14.19	0.04	-0.29	3.43e-03	0.64	1.65
		-1.35	-0.80	-3.02e-03	0.0	320.0	14.19	-1.91	-0.29	3.43e-03	-0.80	-1.35
139	115	1.19	-0.55	-1.93e-04	-1.95	0.0	2.83	1.88	-1.49	-7.63e-03	-0.55	-1.73
		-1.73	-4.29	6.27e-03	0.0	320.0	2.83	-0.07	-1.49	-7.63e-03	-4.29	1.19
139	118	1.03	4.30	-8.44e-05	-1.95	0.0	10.82	0.52	1.49	7.68e-03	0.55	0.81
		-0.66	0.55	-6.20e-03	0.0	320.0	10.82	-1.43	1.49	7.68e-03	4.30	-0.66
139	144	3.19	1.47	-3.52e-04	-1.95	0.0	-6.27	3.31	0.53	-5.69e-03	-1.13	-4.28
		-4.28	-1.13	5.97e-03	0.0	320.0	-6.27	1.36	0.53	-5.69e-03	1.47	3.19
139	145	3.37	1.14	1.50e-04	-1.95	0.0	19.91	-0.90	-0.52	5.74e-03	1.14	3.37
		-2.66	-1.46	-5.90e-03	0.0	320.0	19.91	-2.85	-0.52	5.74e-03	-1.46	-2.66
140	2	3.04	4.21	-1.41e-04	-0.95	0.0	0.02	2.65	2.70	-3.89e-03	0.97	0.43
		0.43	0.97	-4.75e-04	0.0	120.0	0.02	1.70	2.70	-3.89e-03	4.21	3.04
140	3	0.94	0.85	-4.40e-05	-0.73	0.0	3.99e-03	1.04	0.54	-9.23e-04	0.20	0.13
		0.13	0.20	-9.63e-05	0.0	120.0	3.99e-03	0.31	0.54	-9.23e-04	0.85	0.94
140	7	0.95	0.85	-4.47e-05	-0.73	0.0	4.23e-03	1.05	0.55	-9.63e-04	0.20	0.13
		0.13	0.20	-9.53e-05	0.0	120.0	4.23e-03	0.32	0.55	-9.63e-04	0.85	0.95
140	9	0.94	0.85	-4.23e-05	-0.73	0.0	3.89e-03	1.04	0.55	-9.15e-04	0.20	0.13
		0.13	0.20	-9.85e-05	0.0	120.0	3.89e-03	0.30	0.55	-9.15e-04	0.85	0.94
140	10	2.16	2.91	-1.00e-04	-0.73	0.0	0.01	1.91	1.87	-2.70e-03	0.67	0.30
		0.30	0.67	-3.29e-04	0.0	120.0	0.01	1.18	1.87	-2.70e-03	2.91	2.16

140	11	0.94	0.86	-4.27e-05	-0.73	0.0	4.05e-03	1.04	0.55	-9.42e-04	0.20	0.13
		0.13	0.20	-9.79e-05	0.0	120.0	4.05e-03	0.31	0.55	-9.42e-04	0.86	0.94
140	13	0.93	0.85	-4.16e-05	-0.73	0.0	3.65e-03	1.03	0.54	-8.75e-04	0.20	0.13
		0.13	0.20	-9.94e-05	0.0	120.0	3.65e-03	0.30	0.54	-8.75e-04	0.85	0.93
140	14	1.54	1.88	-7.07e-05	-0.73	0.0	8.72e-03	1.46	1.20	-1.77e-03	0.44	0.22
		0.22	0.44	-2.15e-04	0.0	120.0	8.72e-03	0.73	1.20	-1.77e-03	1.88	1.54
140	15	0.93	0.85	-4.18e-05	-0.73	0.0	3.73e-03	1.03	0.54	-8.89e-04	0.20	0.13
		0.13	0.20	-9.91e-05	0.0	120.0	3.73e-03	0.30	0.54	-8.89e-04	0.85	0.93
140	17	0.93	0.85	-4.16e-05	-0.73	0.0	3.65e-03	1.03	0.54	-8.75e-04	0.20	0.13
		0.13	0.20	-9.94e-05	0.0	120.0	3.65e-03	0.30	0.54	-8.75e-04	0.85	0.93
140	18	1.29	1.47	-5.91e-05	-0.73	0.0	6.69e-03	1.29	0.94	-1.41e-03	0.34	0.18
		0.18	0.34	-1.69e-04	0.0	120.0	6.69e-03	0.56	0.94	-1.41e-03	1.47	1.29
140	28	-0.21	4.77	1.31e-04	-0.73	0.0	-1.51	-0.98	4.04	4.64e-03	-0.11	-0.21
		-1.82	-0.11	-1.97e-03	0.0	120.0	-1.51	-1.71	4.04	4.64e-03	4.77	-1.82
140	29	4.41	0.79	-2.49e-04	-0.73	0.0	1.52	3.56	-2.17	-7.46e-03	0.79	0.58
		0.58	-1.84	1.63e-03	0.0	120.0	1.52	2.83	-2.17	-7.46e-03	-1.84	4.41
140	36	-0.14	4.46	8.48e-05	-0.73	0.0	-1.79	-0.38	3.74	-8.69e-03	-0.03	-0.14
		-1.03	-0.03	-1.74e-03	0.0	120.0	-1.79	-1.11	3.74	-8.69e-03	4.46	-1.03
140	37	3.62	0.71	-2.03e-04	-0.73	0.0	1.80	2.96	-1.86	5.87e-03	0.71	0.50
		0.50	-1.52	1.41e-03	0.0	120.0	1.80	2.23	-1.86	5.87e-03	-1.52	3.62
140	60	-0.11	3.92	8.23e-05	-0.73	0.0	-1.12	-0.39	3.24	3.30e-03	4.37e-03	-0.11
		-1.01	4.37e-03	-1.49e-03	0.0	120.0	-1.12	-1.12	3.24	3.30e-03	3.92	-1.01
140	61	3.60	0.68	-2.00e-04	-0.73	0.0	1.14	2.97	-1.36	-6.12e-03	0.68	0.48
		0.48	-0.98	1.16e-03	0.0	120.0	1.14	2.24	-1.36	-6.12e-03	-0.98	3.60
140	68	-0.05	3.70	4.78e-05	-0.73	0.0	-1.35	0.05	3.02	-6.95e-03	0.06	-0.06
		-0.43	0.06	-1.34e-03	0.0	120.0	-1.35	-0.68	3.02	-6.95e-03	3.70	-0.43
140	69	3.02	0.62	-1.66e-04	-0.73	0.0	1.36	2.53	-1.15	4.13e-03	0.62	0.42
		0.42	-0.76	1.00e-03	0.0	120.0	1.36	1.80	-1.15	4.13e-03	-0.76	3.02
140	92	-0.08	3.64	6.62e-05	-0.73	0.0	-0.99	-0.20	2.98	2.79e-03	0.04	-0.08
		-0.75	0.04	-1.34e-03	0.0	120.0	-0.99	-0.93	2.98	2.79e-03	3.64	-0.75
140	93	3.33	0.64	-1.84e-04	-0.73	0.0	1.01	2.78	-1.10	-5.61e-03	0.64	0.44
		0.44	-0.70	1.00e-03	0.0	120.0	1.01	2.05	-1.10	-5.61e-03	-0.70	3.33
140	100	2.33e-03	3.45	3.56e-05	-0.73	0.0	-1.20	0.19	2.79	-6.33e-03	0.09	-0.03
		-0.24	0.09	-1.21e-03	0.0	120.0	-1.20	-0.54	2.79	-6.33e-03	3.45	-0.24
140	101	2.82	0.59	-1.54e-04	-0.73	0.0	1.21	2.39	-0.91	3.51e-03	0.59	0.39
		0.39	-0.51	8.70e-04	0.0	120.0	1.21	1.66	-0.91	3.51e-03	-0.51	2.82
140	124	-0.30	5.46	1.70e-04	-0.73	0.0	-1.79	-1.44	4.69	5.65e-03	-0.21	-0.30
		-2.46	-0.21	-2.34e-03	0.0	120.0	-1.79	-2.17	4.69	5.65e-03	5.46	-2.46
140	125	5.05	0.89	-2.88e-04	-0.73	0.0	1.80	4.02	-2.81	-8.47e-03	0.89	0.66
		0.66	-2.52	2.01e-03	0.0	120.0	1.80	3.29	-2.81	-8.47e-03	-2.52	5.05
140	132	-0.20	5.08	1.14e-04	-0.73	0.0	-2.13	-0.73	4.32	-0.01	-0.11	-0.20
		-1.52	-0.11	-2.07e-03	0.0	120.0	-2.13	-1.46	4.32	-0.01	5.08	-1.52
140	133	4.10	0.79	-2.33e-04	-0.73	0.0	2.14	3.31	-2.44	7.33e-03	0.79	0.57
		0.57	-2.14	1.73e-03	0.0	120.0	2.14	2.58	-2.44	7.33e-03	-2.14	4.10
142	2	1.03	0.02	-1.85e-04	-2.53	0.0	2.02	1.71	-5.72e-03	1.91e-04	0.02	-0.82
		-0.82	1.20e-05	3.89e-05	0.0	320.0	2.02	-0.82	-5.72e-03	1.91e-04	1.20e-05	0.61
142	6	0.92	0.02	-1.56e-04	-2.53	0.0	-0.06	1.67	-6.81e-03	-3.54e-06	0.02	-0.83
		-0.83	2.95e-04	1.15e-05	0.0	320.0	-0.06	-0.87	-6.81e-03	-3.54e-06	2.95e-04	0.45
142	7	0.57	0.02	-7.25e-05	-1.95	0.0	-2.33	1.15	-4.74e-03	-2.31e-04	0.02	-0.53
		-0.53	5.93e-04	-2.52e-05	0.0	320.0	-2.33	-0.79	-4.74e-03	-2.31e-04	5.93e-04	0.05
142	10	0.77	0.01	-1.33e-04	-1.95	0.0	1.44	1.28	-3.77e-03	1.29e-04	0.01	-0.58
		-0.58	5.11e-05	2.67e-05	0.0	320.0	1.44	-0.67	-3.77e-03	1.29e-04	5.11e-05	0.41
142	11	0.59	0.01	-7.30e-05	-1.95	0.0	-1.33	1.13	-3.40e-03	-1.39e-04	0.01	-0.46
		-0.46	3.55e-04	-1.35e-05	0.0	320.0	-1.33	-0.82	-3.40e-03	-1.39e-04	3.55e-04	0.04
142	12	0.70	0.01	-1.14e-04	-1.95	0.0	0.05	1.25	-4.49e-03	0.0	0.01	-0.59
		-0.59	2.40e-04	8.41e-06	0.0	320.0	0.05	-0.70	-4.49e-03	0.0	2.40e-04	0.30
142	14	0.70	3.77e-03	-1.04e-04	-1.95	0.0	1.64	1.16	-1.20e-03	1.36e-04	3.77e-03	-0.40
		-0.40	-7.56e-05	2.43e-05	0.0	320.0	1.64	-0.79	-1.20e-03	1.36e-04	-7.56e-05	0.20
142	15	0.62	3.34e-03	-7.51e-05	-1.95	0.0	0.26	1.09	-1.02e-03	2.20e-06	3.34e-03	-0.34
		-0.34	7.65e-05	4.24e-06	0.0	320.0	0.26	-0.86	-1.02e-03	2.20e-06	7.65e-05	0.01
142	16	0.67	4.78e-03	-9.18e-05	-1.95	0.0	0.85	1.14	-1.49e-03	6.14e-05	4.78e-03	-0.40
		-0.40	2.71e-05	1.36e-05	0.0	320.0	0.85	-0.81	-1.49e-03	6.14e-05	2.71e-05	0.13
142	17	0.63	1.36e-03	-7.56e-05	-1.95	0.0	0.66	1.07	-4.23e-04	3.74e-05	1.36e-03	-0.31
		-0.31	6.82e-06	8.68e-06	0.0	320.0	0.66	-0.87	-4.23e-04	3.74e-05	6.82e-06	7.34e-03
142	18	0.68	2.80e-03	-9.23e-05	-1.95	0.0	1.25	1.13	-8.90e-04	9.66e-05	2.80e-03	-0.37
		-0.37	-4.26e-05	1.81e-05	0.0	320.0	1.25	-0.82	-8.90e-04	9.66e-05	-4.26e-05	0.12
142	19	0.86	-0.38	-1.22e-04	-1.95	0.0	-0.29	1.61	-0.93	0.03	-0.38	-1.27
		-1.27	-2.54	3.64e-03	0.0	320.0	-0.29	-0.34	-0.93	0.03	-2.54	0.76
142	22	0.88	2.54	-7.90e-05	-1.95	0.0	2.79	0.64	0.93	-0.03	0.39	0.54
		-0.52	0.39	-3.61e-03	0.0	320.0	2.79	-1.31	0.93	-0.03	2.54	-0.52
142	48	2.09	0.88	-2.00e-04	-1.95	0.0	-6.12	2.58	0.32	-9.64e-03	-0.32	-3.05
		-3.05	-0.32	3.39e-03	0.0	320.0	-6.12	0.63	0.32	-9.64e-03	0.88	2.09
142	49	2.32	0.33	-8.25e-05	-1.95	0.0	8.62	-0.32	-0.32	9.84e-03	0.33	2.32
		-1.85	-0.88	-3.35e-03	0.0	320.0	8.62	-2.27	-0.32	9.84e-03	-0.88	-1.85
142	51	0.77	-0.29	-1.13e-04	-1.95	0.0	0.13	1.49	-0.67	0.02	-0.29	-1.04

		-1.04	-1.84	2.61e-03	0.0	320.0	0.13	-0.46	-0.67	0.02	-1.84	0.60
142	54	0.79	1.84	-8.10e-05	-1.95	0.0	2.37	0.77	0.67	-0.02	0.30	0.31
		-0.36	0.30	-2.57e-03	0.0	320.0	2.37	-1.18	0.67	-0.02	1.84	-0.36
142	80	1.61	0.66	-1.70e-04	-1.95	0.0	-4.54	2.21	0.24	-7.08e-03	-0.24	-2.38
		-2.38	-0.24	2.43e-03	0.0	320.0	-4.54	0.27	0.24	-7.08e-03	0.66	1.61
142	81	1.64	0.25	-7.79e-05	-1.95	0.0	7.04	0.04	-0.24	7.27e-03	0.25	1.64
		-1.36	-0.66	-2.40e-03	0.0	320.0	7.04	-1.91	-0.24	7.27e-03	-0.66	-1.36
142	83	0.75	-0.26	-1.11e-04	-1.95	0.0	0.26	1.45	-0.60	0.02	-0.26	-0.96
		-0.96	-1.63	2.30e-03	0.0	320.0	0.26	-0.50	-0.60	0.02	-1.63	0.55
142	86	0.77	1.63	-8.16e-05	-1.95	0.0	2.24	0.81	0.59	-0.02	0.26	0.23
		-0.30	0.26	-2.27e-03	0.0	320.0	2.24	-1.14	0.59	-0.02	1.63	-0.30
142	112	1.44	0.58	-1.59e-04	-1.95	0.0	-3.90	2.09	0.21	-6.25e-03	-0.22	-2.15
		-2.15	-0.22	2.15e-03	0.0	320.0	-3.90	0.14	0.21	-6.25e-03	0.58	1.44
142	113	1.44	0.22	-7.73e-05	-1.95	0.0	6.40	0.16	-0.21	6.44e-03	0.22	1.42
		-1.20	-0.58	-2.11e-03	0.0	320.0	6.40	-1.79	-0.21	6.44e-03	-0.58	-1.20
142	115	0.94	-0.46	-1.30e-04	-1.95	0.0	-0.62	1.71	-1.12	0.03	-0.46	-1.46
		-1.46	-3.06	4.40e-03	0.0	320.0	-0.62	-0.24	-1.12	0.03	-3.06	0.90
142	118	0.97	3.06	-7.85e-05	-1.95	0.0	3.12	0.54	1.12	-0.03	0.46	0.73
		-0.65	0.46	-4.36e-03	0.0	320.0	3.12	-1.41	1.12	-0.03	3.06	-0.65
142	144	2.50	1.05	-2.26e-04	-1.95	0.0	-7.38	2.88	0.38	-0.01	-0.39	-3.61
		-3.61	-0.39	4.08e-03	0.0	320.0	-7.38	0.93	0.38	-0.01	1.05	2.50
142	145	2.88	0.39	9.26e-05	-1.95	0.0	9.87	-0.62	-0.38	0.01	0.39	2.88
		-2.26	-1.05	-4.04e-03	0.0	320.0	9.87	-2.57	-0.38	0.01	-1.05	-2.26
143	2	1.59	0.61	-1.95e-05	-0.95	0.0	0.06	1.48	-1.56	-4.39e-03	0.61	0.38
		0.38	-1.25	9.12e-04	0.0	120.0	0.06	0.53	-1.56	-4.39e-03	-1.25	1.59
143	3	0.73	0.12	-2.03e-05	-0.73	0.0	0.02	0.86	-0.26	-1.17e-03	0.12	0.13
		0.13	-0.19	1.44e-04	0.0	120.0	0.02	0.13	-0.26	-1.17e-03	-0.19	0.73
143	6	1.41	0.48	-2.35e-05	-0.95	0.0	0.06	1.39	-1.18	-3.81e-03	0.48	0.31
		0.31	-0.94	6.80e-04	0.0	120.0	0.06	0.44	-1.18	-3.81e-03	-0.94	1.41
143	9	0.72	0.12	-1.45e-05	-0.73	0.0	0.02	0.86	-0.26	-1.03e-03	0.12	0.13
		0.13	-0.20	1.53e-04	0.0	120.0	0.02	0.13	-0.26	-1.03e-03	-0.20	0.72
143	10	1.15	0.42	-1.59e-05	-0.73	0.0	0.04	1.10	-1.08	-3.02e-03	0.42	0.27
		0.27	-0.87	6.30e-04	0.0	120.0	0.04	0.37	-1.08	-3.02e-03	-0.87	1.15
143	12	1.03	0.33	-1.87e-05	-0.73	0.0	0.04	1.04	-0.83	-2.63e-03	0.33	0.23
		0.23	-0.66	4.76e-04	0.0	120.0	0.04	0.31	-0.83	-2.63e-03	-0.66	1.03
143	13	0.70	0.11	-9.56e-06	-0.73	0.0	9.59e-03	0.84	-0.27	-7.13e-04	0.11	0.13
		0.13	-0.21	1.70e-04	0.0	120.0	9.59e-03	0.11	-0.27	-7.13e-04	-0.21	0.70
143	14	0.92	0.27	-1.05e-05	-0.73	0.0	0.02	0.97	-0.68	-1.71e-03	0.27	0.20
		0.20	-0.55	4.09e-04	0.0	120.0	0.02	0.24	-0.68	-1.71e-03	-0.55	0.92
143	17	0.70	0.11	-9.56e-06	-0.73	0.0	9.59e-03	0.84	-0.27	-7.13e-04	0.11	0.13
		0.13	-0.21	1.70e-04	0.0	120.0	9.59e-03	0.11	-0.27	-7.13e-04	-0.21	0.70
143	18	0.83	0.21	-1.01e-05	-0.73	0.0	0.02	0.92	-0.51	-1.31e-03	0.21	0.17
		0.17	-0.41	3.13e-04	0.0	120.0	0.02	0.19	-0.51	-1.31e-03	-0.41	0.83
143	28	-0.35	-0.85	4.60e-04	-0.73	0.0	-2.22	-1.53	-4.10	8.02e-03	-0.85	-0.35
		-2.62	-5.73	2.88e-04	0.0	120.0	-2.22	-2.26	-4.10	8.02e-03	-5.73	-2.62
143	29	4.29	4.90	-4.65e-04	-0.73	0.0	2.25	3.37	3.07	-0.01	1.26	0.69
		0.69	1.26	4.01e-04	0.0	120.0	2.25	2.64	3.07	-0.01	4.90	4.29
143	36	-0.26	-0.67	-2.76e-04	-0.73	0.0	-2.50	-0.97	-3.01	-5.56e-03	-0.67	-0.26
		-1.87	-4.26	-3.44e-04	0.0	120.0	-2.50	-1.70	-3.01	-5.56e-03	-4.26	-1.87
143	37	3.53	3.43	2.72e-04	-0.73	0.0	2.53	2.81	1.98	2.94e-03	1.08	0.60
		0.60	1.08	9.71e-04	0.0	120.0	2.53	2.08	1.98	2.94e-03	3.43	3.53
143	60	-0.21	-0.57	3.34e-04	-0.73	0.0	-1.66	-0.88	-3.18	5.46e-03	-0.57	-0.21
		-1.70	-4.35	2.63e-04	0.0	120.0	-1.66	-1.61	-3.18	5.46e-03	-4.35	-1.70
143	61	3.37	3.52	-3.38e-04	-0.73	0.0	1.70	2.72	2.15	-8.08e-03	0.98	0.55
		0.55	0.98	3.95e-04	0.0	120.0	1.70	1.99	2.15	-8.08e-03	3.52	3.37
143	72	-0.17	-0.48	-1.82e-04	-0.73	0.0	-1.88	-0.60	-2.56	-3.55e-03	-0.48	-0.17
		-1.32	-3.53	-9.30e-05	0.0	120.0	-1.88	-1.33	-2.56	-3.55e-03	-3.53	-1.32
143	73	2.99	2.71	1.78e-04	-0.73	0.0	1.91	2.43	1.53	9.32e-04	0.89	0.51
		0.51	0.89	7.20e-04	0.0	120.0	1.91	1.70	1.53	9.32e-04	2.71	2.99
143	92	-0.17	-0.48	2.95e-04	-0.73	0.0	-1.47	-0.67	-2.87	4.67e-03	-0.48	-0.17
		-1.41	-3.90	2.61e-04	0.0	120.0	-1.47	-1.40	-2.87	4.67e-03	-3.90	-1.41
143	93	3.08	3.07	-2.99e-04	-0.73	0.0	1.51	2.51	1.84	-7.29e-03	0.89	0.51
		0.51	0.89	3.87e-04	0.0	120.0	1.51	1.78	1.84	-7.29e-03	3.07	3.08
143	104	-0.13	-0.40	-1.61e-04	-0.73	0.0	-1.67	-0.42	-2.33	-3.29e-03	-0.40	-0.13
		-1.08	-3.18	5.19e-05	0.0	120.0	-1.67	-1.15	-2.33	-3.29e-03	-3.18	-1.08
143	105	2.74	2.35	1.57e-04	-0.73	0.0	1.70	2.26	1.30	6.66e-04	0.81	0.47
		0.47	0.81	6.76e-04	0.0	120.0	1.70	1.53	1.30	6.66e-04	2.35	2.74
143	124	-0.46	-1.07	5.59e-04	-0.73	0.0	-2.66	-2.04	-4.83	9.95e-03	-1.07	-0.46
		-3.34	-6.82	2.96e-04	0.0	120.0	-2.66	-2.77	-4.83	9.95e-03	-6.82	-3.34
143	125	5.01	5.99	-5.63e-04	-0.73	0.0	2.70	3.88	3.80	-0.01	1.48	0.80
		0.80	1.48	4.26e-04	0.0	120.0	2.70	3.15	3.80	-0.01	5.99	5.01
143	132	-0.35	-0.85	-3.33e-04	-0.73	0.0	-3.00	-1.36	-3.52	-6.45e-03	-0.85	-0.35
		-2.43	-5.05	-4.82e-04	0.0	120.0	-3.00	-2.10	-3.52	-6.45e-03	-5.05	-2.43
143	133	4.09	4.22	3.29e-04	-0.73	0.0	3.03	3.20	2.49	3.83e-03	1.26	0.69
		0.69	1.26	1.11e-03	0.0	120.0	3.03	2.47	2.49	3.83e-03	4.22	4.09

148	2	0.12	2.01	-8.58e-06	0.0	0.0	0.61	-0.03	-1.91	-1.75e-04	2.01	0.12
		0.01	-0.29	2.66e-04	2.53	320.0	0.61	-0.03	0.62	-1.75e-04	-0.04	0.01
148	3	0.03	1.23	-1.94e-04	0.0	0.0	0.54	-3.99e-03	-1.36	-2.30e-04	1.23	0.03
		0.01	-0.29	9.25e-05	1.95	320.0	0.54	-3.99e-03	0.59	-2.30e-04	-0.01	0.01
148	4	0.11	1.47	-1.05e-05	0.0	0.0	0.52	-0.03	-1.45	-2.28e-04	1.47	0.11
		0.01	-0.25	2.45e-04	1.95	320.0	0.52	-0.03	0.50	-2.28e-04	-0.04	0.01
148	5	0.06	1.79	-3.08e-04	0.0	0.0	0.69	-0.01	-1.84	-5.15e-04	1.79	0.06
		0.02	-0.35	1.15e-04	2.53	320.0	0.69	-0.01	0.70	-5.15e-04	-0.04	0.02
148	9	0.02	1.30	-1.30e-04	0.0	0.0	0.50	-3.77e-03	-1.38	-7.47e-05	1.30	0.02
		0.01	-0.27	8.48e-05	1.95	320.0	0.50	-3.77e-03	0.57	-7.47e-05	-3.93e-03	0.01
148	10	0.08	1.46	-7.76e-06	0.0	0.0	0.48	-0.02	-1.44	-7.30e-05	1.46	0.08
		0.01	-0.24	1.89e-04	1.95	320.0	0.48	-0.02	0.51	-7.30e-05	-0.02	0.01
148	11	0.04	1.31	-2.10e-04	0.0	0.0	0.53	-6.67e-03	-1.39	-3.00e-04	1.31	0.04
		0.01	-0.28	8.91e-05	1.95	320.0	0.53	-6.67e-03	0.56	-3.00e-04	-0.02	0.01
148	13	5.02e-03	1.29	-1.05e-05	0.0	0.0	0.45	5.88e-04	-1.37	2.63e-04	1.29	3.14e-03
		3.14e-03	-0.25	7.86e-05	1.95	320.0	0.45	5.88e-04	0.58	2.63e-04	0.02	5.02e-03
148	14	0.03	1.37	5.16e-05	0.0	0.0	0.44	-8.05e-03	-1.40	2.64e-04	1.37	0.03
		5.42e-03	-0.23	1.31e-04	1.95	320.0	0.44	-8.05e-03	0.55	2.64e-04	0.01	5.42e-03
148	15	9.53e-03	1.29	-5.03e-05	0.0	0.0	0.46	-8.63e-04	-1.37	1.50e-04	1.29	9.53e-03
		6.76e-03	-0.26	8.06e-05	1.95	320.0	0.46	-8.63e-04	0.58	1.50e-04	0.01	6.76e-03
148	17	5.02e-03	1.29	-1.05e-05	0.0	0.0	0.45	5.88e-04	-1.37	2.63e-04	1.29	3.14e-03
		3.14e-03	-0.25	7.86e-05	1.95	320.0	0.45	5.88e-04	0.58	2.63e-04	0.02	5.02e-03
148	18	0.02	1.34	2.68e-05	0.0	0.0	0.44	-4.60e-03	-1.39	2.63e-04	1.34	0.02
		5.26e-03	-0.24	1.10e-04	1.95	320.0	0.44	-4.60e-03	0.56	2.63e-04	0.02	5.26e-03
148	36	0.81	1.62	2.99e-03	0.0	0.0	18.19	2.02	-2.26	5.95e-03	1.62	-6.10
		-6.10	-2.31	5.40e-04	1.95	320.0	18.19	2.02	-0.32	5.95e-03	-2.31	0.81
148	37	6.14	2.35	-2.94e-03	0.0	0.0	-17.30	-2.03	-0.51	-5.42e-03	1.05	6.14
		-0.80	0.79	-3.83e-04	1.95	320.0	-17.30	-2.03	1.44	-5.42e-03	2.35	-0.80
148	44	0.76	1.67	2.32e-03	0.0	0.0	20.87	2.01	-2.34	-0.02	1.67	-6.05
		-6.05	-2.50	5.83e-04	1.95	320.0	20.87	2.01	-0.39	-0.02	-2.50	0.76
148	45	6.09	2.54	-2.26e-03	0.0	0.0	-19.99	-2.01	-0.44	0.02	1.01	6.09
		-0.75	0.81	-4.25e-04	1.95	320.0	-19.99	-2.01	1.51	0.02	2.54	-0.75
148	48	0.81	1.66	2.75e-03	0.0	0.0	20.72	2.01	-2.34	-0.01	1.66	-5.88
		-5.88	-2.52	5.86e-04	1.95	320.0	20.72	2.01	-0.40	-0.01	-2.52	0.81
148	49	5.92	2.56	-2.70e-03	0.0	0.0	-19.83	-2.01	-0.43	0.01	1.01	5.92
		-0.80	0.81	-4.28e-04	1.95	320.0	-19.83	-2.01	1.52	0.01	2.56	-0.80
148	68	0.59	1.55	2.13e-03	0.0	0.0	13.87	1.52	-2.05	4.58e-03	1.55	-4.63
		-4.63	-1.73	4.27e-04	1.95	320.0	13.87	1.52	-0.10	4.58e-03	-1.73	0.59
148	69	4.67	1.77	-2.08e-03	0.0	0.0	-12.98	-1.53	-0.73	-4.05e-03	1.12	4.67
		-0.58	0.63	-2.73e-04	1.95	320.0	-12.98	-1.53	1.22	-4.05e-03	1.77	-0.58
148	76	0.55	1.58	1.58e-03	0.0	0.0	15.86	1.51	-2.10	-0.01	1.58	-4.58
		-4.58	-1.87	4.58e-04	1.95	320.0	15.86	1.51	-0.15	-0.01	-1.87	0.55
148	77	4.62	1.91	-1.53e-03	0.0	0.0	-14.97	-1.52	-0.68	0.01	1.09	4.62
		-0.54	0.67	-3.02e-04	1.95	320.0	-14.97	-1.52	1.27	0.01	1.91	-0.54
148	80	0.58	1.58	1.90e-03	0.0	0.0	15.71	1.51	-2.10	-9.67e-03	1.58	-4.45
		-4.45	-1.88	4.60e-04	1.95	320.0	15.71	1.51	-0.15	-9.67e-03	-1.88	0.58
148	81	4.49	1.92	-1.85e-03	0.0	0.0	-14.82	-1.52	-0.67	0.01	1.09	4.49
		-0.57	0.67	-3.04e-04	1.95	320.0	-14.82	-1.52	1.28	0.01	1.92	-0.57
148	100	0.52	1.53	1.88e-03	0.0	0.0	12.37	1.35	-1.97	4.09e-03	1.53	-4.11
		-4.11	-1.54	3.88e-04	1.95	320.0	12.37	1.35	-0.02	4.09e-03	-1.54	0.52
148	101	4.15	1.57	-1.83e-03	0.0	0.0	-11.48	-1.36	-0.80	-3.56e-03	1.15	4.15
		-0.51	0.57	-2.35e-04	1.95	320.0	-11.48	-1.36	1.15	-3.56e-03	1.57	-0.51
148	108	0.48	1.55	1.39e-03	0.0	0.0	14.13	1.34	-2.02	-0.01	1.55	-4.07
		-4.07	-1.66	4.16e-04	1.95	320.0	14.13	1.34	-0.07	-0.01	-1.66	0.48
148	109	4.11	1.70	-1.34e-03	0.0	0.0	-13.24	-1.35	-0.76	0.01	1.12	4.11
		-0.47	0.61	-2.61e-04	1.95	320.0	-13.24	-1.35	1.19	0.01	1.70	-0.47
148	112	0.51	1.55	1.67e-03	0.0	0.0	13.99	1.34	-2.02	-8.54e-03	1.55	-3.95
		-3.95	-1.67	4.17e-04	1.95	320.0	13.99	1.34	-0.07	-8.54e-03	-1.67	0.51
148	113	3.99	1.70	-1.62e-03	0.0	0.0	-13.11	-1.35	-0.75	9.07e-03	1.12	3.99
		-0.50	0.61	-2.62e-04	1.95	320.0	-13.11	-1.35	1.20	9.07e-03	1.70	-0.50
148	132	0.98	1.68	3.62e-03	0.0	0.0	21.82	2.43	-2.45	6.99e-03	1.68	-7.37
		-7.37	-2.79	6.35e-04	1.95	320.0	21.82	2.43	-0.50	6.99e-03	-2.79	0.98
148	133	7.41	2.83	-3.56e-03	0.0	0.0	-20.94	-2.44	-0.33	-6.46e-03	0.99	7.41
		-0.97	0.86	-4.78e-04	1.95	320.0	-20.94	-2.44	1.62	-6.46e-03	2.83	-0.97
148	140	0.92	1.73	2.82e-03	0.0	0.0	25.11	2.42	-2.54	-0.02	1.73	-7.31
		-7.31	-3.03	6.86e-04	1.95	320.0	25.11	2.42	-0.59	-0.02	-3.03	0.92
148	141	7.35	3.07	-2.76e-03	0.0	0.0	-24.23	-2.43	-0.24	0.02	0.94	7.35
		-0.91	0.86	-5.28e-04	1.95	320.0	-24.23	-2.43	1.71	0.02	3.07	-0.91
148	144	0.97	1.73	3.36e-03	0.0	0.0	24.94	2.42	-2.54	-0.02	1.73	-7.10
		-7.10	-3.05	6.91e-04	1.95	320.0	24.94	2.42	-0.60	-0.02	-3.05	0.97
148	145	7.14	3.09	-3.31e-03	0.0	0.0	-24.06	-2.43	-0.23	0.02	0.94	7.14
		-0.96	0.87	-5.33e-04	1.95	320.0	-24.06	-2.43	1.72	0.02	3.09	-0.96
149	1	1.44	2.82e-03	1.03e-04	-8.47	0.0	-0.01	3.55	0.01	-1.17e-04	-0.01	0.26
		-0.84	-0.01	-5.81e-05	0.0	160.0	-0.01	-4.92	0.01	-1.17e-04	2.82e-03	-0.84
149	2	1.54	0.03	1.41e-04	-8.47	0.0	-0.05	3.22	-0.03	-1.61e-04	0.03	0.56

		-1.06	-0.03	-9.46e-06	0.0	160.0	-0.05	-5.25	-0.03	-1.61e-04	-0.03	-1.06
149	4	0.98	0.02	1.14e-04	-4.81	0.0	-0.06	1.55	-0.03	-1.65e-04	0.02	0.58
		-0.80	-0.02	-1.00e-05	0.0	160.0	-0.06	-3.27	-0.03	-1.65e-04	-0.02	-0.80
149	6	1.55	-1.17e-03	1.33e-04	-8.47	0.0	-0.05	3.22	-4.83e-03	-1.43e-04	-1.17e-03	0.57
		-1.06	-8.90e-03	-6.80e-05	0.0	160.0	-0.05	-5.25	-4.83e-03	-1.43e-04	-8.90e-03	-1.06
149	7	0.90	0.01	7.94e-05	-4.81	0.0	-0.03	1.77	0.03	-1.16e-04	-0.03	0.37
		-0.64	-0.03	-1.03e-04	0.0	160.0	-0.03	-3.04	0.03	-1.16e-04	0.01	-0.64
149	9	0.99	1.18e-03	7.71e-05	-5.77	0.0	-0.01	2.39	5.89e-03	-1.04e-04	-8.24e-03	0.20
		-0.59	-8.24e-03	-3.74e-05	0.0	160.0	-0.01	-3.38	5.89e-03	-1.04e-04	1.18e-03	-0.59
149	10	1.06	0.02	1.02e-04	-5.77	0.0	-0.04	2.17	-0.02	-1.34e-04	0.02	0.40
		-0.74	-0.02	-4.97e-06	0.0	160.0	-0.04	-3.61	-0.02	-1.34e-04	-0.02	-0.74
149	11	1.01	6.66e-03	7.91e-05	-5.77	0.0	-0.02	2.32	0.02	-1.01e-04	-0.02	0.27
		-0.64	-0.02	-6.67e-05	0.0	160.0	-0.02	-3.45	0.02	-1.01e-04	6.66e-03	-0.64
149	12	1.06	1.61e-04	9.67e-05	-5.77	0.0	-0.04	2.17	-4.25e-03	-1.22e-04	1.61e-04	0.41
		-0.74	-6.64e-03	-4.40e-05	0.0	160.0	-0.04	-3.61	-4.25e-03	-1.22e-04	-6.64e-03	-0.74
149	13	0.96	7.99e-03	7.41e-05	-5.77	0.0	-4.72e-03	2.49	-9.39e-03	-1.09e-04	7.99e-03	0.10
		-0.53	-7.03e-03	6.53e-06	0.0	160.0	-4.72e-03	-3.28	-9.39e-03	-1.09e-04	-7.03e-03	-0.53
149	14	0.99	0.02	8.67e-05	-5.77	0.0	-0.02	2.38	-0.02	-1.24e-04	0.02	0.20
		-0.61	-0.02	2.27e-05	0.0	160.0	-0.02	-3.39	-0.02	-1.24e-04	-0.02	-0.61
149	17	0.96	7.99e-03	7.41e-05	-5.77	0.0	-4.72e-03	2.49	-9.39e-03	-1.09e-04	7.99e-03	0.10
		-0.53	-7.03e-03	6.53e-06	0.0	160.0	-4.72e-03	-3.28	-9.39e-03	-1.09e-04	-7.03e-03	-0.53
149	18	0.98	0.02	8.17e-05	-5.77	0.0	-0.01	2.42	-0.02	-1.18e-04	0.02	0.16
		-0.58	-0.01	1.62e-05	0.0	160.0	-0.01	-3.35	-0.02	-1.18e-04	-0.01	-0.58
149	20	6.63	-0.56	-5.40e-05	-5.77	0.0	-4.27	-4.14	0.60	0.03	-0.92	6.63
		-4.61	-0.92	1.92e-03	0.0	160.0	-4.27	-9.92	0.60	0.03	-0.56	-4.61
149	21	3.46	0.96	1.42e-04	-5.77	0.0	4.24	8.99	-0.63	-0.03	0.96	-6.31
		-6.31	0.53	-1.89e-03	0.0	160.0	4.24	3.22	-0.63	-0.03	0.53	3.46
149	23	4.01	-0.32	-4.37e-05	-5.77	0.0	-3.25	-1.46	1.03	0.01	-1.50	4.01
		-2.95	-1.50	8.62e-04	0.0	160.0	-3.25	-7.24	1.03	0.01	-0.32	-2.95
149	24	6.74	-0.57	-5.43e-05	-5.77	0.0	-4.26	-4.25	0.56	0.03	-0.91	6.74
		-4.68	-0.91	1.89e-03	0.0	160.0	-4.26	-10.02	0.56	0.03	-0.57	-4.68
149	25	3.53	0.95	1.40e-04	-5.77	0.0	4.24	9.10	-0.60	-0.03	0.95	-6.41
		-6.41	0.55	-1.86e-03	0.0	160.0	4.24	3.32	-0.60	-0.03	0.55	3.53
149	26	1.80	1.54	1.62e-04	-5.77	0.0	3.22	6.31	-1.06	-0.01	1.54	-3.68
		-3.68	0.29	-8.29e-04	0.0	160.0	3.22	0.54	-1.06	-0.01	0.29	1.80
149	52	4.97	-0.45	-3.79e-05	-5.77	0.0	-3.20	-2.45	0.44	0.02	-0.67	4.97
		-3.58	-0.67	1.47e-03	0.0	160.0	-3.20	-8.23	0.44	0.02	-0.45	-3.58
149	53	2.43	0.71	1.26e-04	-5.77	0.0	3.18	7.30	-0.48	-0.02	0.71	-4.64
		-4.64	0.42	-1.44e-03	0.0	160.0	3.18	1.53	-0.48	-0.02	0.42	2.43
149	55	2.99	-0.25	-2.95e-05	-5.77	0.0	-2.40	-0.43	0.77	9.18e-03	-1.10	2.99
		-2.33	-1.10	6.64e-04	0.0	160.0	-2.40	-6.21	0.77	9.18e-03	-0.25	-2.33
149	56	5.06	-0.46	3.88e-05	-5.77	0.0	-3.20	-2.54	0.42	0.02	-0.67	5.06
		-3.63	-0.67	1.45e-03	0.0	160.0	-3.20	-8.32	0.42	0.02	-0.46	-3.63
149	57	2.48	0.70	1.24e-04	-5.77	0.0	3.17	7.39	-0.46	-0.02	0.70	-4.73
		-4.73	0.43	-1.41e-03	0.0	160.0	3.17	1.62	-0.46	-0.02	0.43	2.48
149	58	1.20	1.14	1.41e-04	-5.77	0.0	2.38	5.28	-0.81	-9.41e-03	1.14	-2.66
		-2.66	0.23	-6.31e-04	0.0	160.0	2.38	-0.49	-0.81	-9.41e-03	0.23	1.17
149	84	4.42	-0.40	4.29e-05	-5.77	0.0	-2.86	-1.90	0.39	0.02	-0.59	4.42
		-3.24	-0.59	1.31e-03	0.0	160.0	-2.86	-7.67	0.39	0.02	-0.40	-3.24
149	85	2.08	0.63	1.20e-04	-5.77	0.0	2.83	6.75	-0.43	-0.02	0.63	-4.10
		-4.10	0.37	-1.28e-03	0.0	160.0	2.83	0.97	-0.43	-0.02	0.37	2.08
149	87	2.67	-0.22	2.96e-05	-5.77	0.0	-2.15	-0.11	0.68	8.14e-03	-0.98	2.67
		-2.12	-0.98	5.92e-04	0.0	160.0	-2.15	-5.88	0.68	8.14e-03	-0.22	-2.12
149	88	4.50	-0.41	4.38e-05	-5.77	0.0	-2.85	-1.98	0.37	0.02	-0.59	4.50
		-3.28	-0.59	1.29e-03	0.0	160.0	-2.85	-7.75	0.37	0.02	-0.41	-3.28
149	89	2.13	0.62	1.20e-04	-5.77	0.0	2.83	6.83	-0.41	-0.02	0.62	-4.17
		-4.17	0.38	-1.26e-03	0.0	160.0	2.83	1.05	-0.41	-0.02	0.38	2.13
149	90	1.06	1.01	1.34e-04	-5.77	0.0	2.12	4.96	-0.72	-8.37e-03	1.01	-2.34
		-2.34	0.20	-5.60e-04	0.0	160.0	2.12	-0.82	-0.72	-8.37e-03	0.20	0.97
149	116	7.95	-0.66	-6.66e-05	-5.77	0.0	-5.14	-5.48	0.71	0.03	-1.11	7.95
		-5.43	-1.11	2.30e-03	0.0	160.0	-5.14	-11.25	0.71	0.03	-0.66	-5.43
149	117	4.28	1.14	1.54e-04	-5.77	0.0	5.12	10.33	-0.75	-0.03	1.14	-7.62
		-7.62	0.63	-2.26e-03	0.0	160.0	5.12	4.55	-0.75	-0.03	0.63	4.28
149	119	4.79	-0.37	-5.49e-05	-5.77	0.0	-3.94	-2.25	1.23	0.01	-1.80	4.79
		-3.43	-1.80	1.02e-03	0.0	160.0	-3.94	-8.02	1.23	0.01	-0.37	-3.43
149	120	8.08	-0.67	-6.70e-05	-5.77	0.0	-5.13	-5.61	0.67	0.03	-1.09	8.08
		-5.51	-1.09	2.26e-03	0.0	160.0	-5.13	-11.38	0.67	0.03	-0.67	-5.51
149	121	4.36	1.13	1.52e-04	-5.77	0.0	5.11	10.46	-0.71	-0.03	1.13	-7.75
		-7.75	0.65	-2.22e-03	0.0	160.0	5.11	4.68	-0.71	-0.03	0.65	4.36
149	122	2.28	1.83	1.78e-04	-5.77	0.0	3.91	7.10	-1.26	-0.01	1.83	-4.46
		-4.46	0.35	-9.84e-04	0.0	160.0	3.91	1.33	-1.26	-0.01	0.35	2.28
150	1	1.27	0.01	-2.09e-05	-8.47	0.0	-0.18	4.07	4.60e-03	-5.69e-04	3.02e-03	-0.29
		-0.56	3.02e-03	-5.37e-05	0.0	160.0	-0.18	-4.40	4.60e-03	-5.69e-04	0.01	-0.56
150	2	1.25	6.68e-03	-1.89e-05	-8.47	0.0	-0.30	3.94	0.02	-6.99e-04	-0.02	-0.21
		-0.67	-0.02	-4.69e-05	0.0	160.0	-0.30	-4.52	0.02	-6.99e-04	6.68e-03	-0.67

150	3	0.71	0.01	-1.09e-05	-4.81	0.0	-0.16	2.26	2.78e-03	-5.14e-04	5.75e-03	-0.13
		-0.37	5.75e-03	-5.00e-05	0.0	160.0	-0.16	-2.55	2.78e-03	-5.14e-04	0.01	-0.37
150	5	1.27	0.02	-2.05e-05	-8.47	0.0	-0.21	4.00	3.58e-03	-8.71e-04	0.01	-0.24
		-0.61	0.01	-8.53e-05	0.0	160.0	-0.21	-4.46	3.58e-03	-8.71e-04	0.02	-0.61
150	6	1.26	0.01	-1.91e-05	-8.47	0.0	-0.30	3.92	0.01	-9.62e-04	-8.21e-03	-0.18
		-0.69	-8.21e-03	-8.05e-05	0.0	160.0	-0.30	-4.55	0.01	-9.62e-04	0.01	-0.69
150	9	0.86	6.95e-03	-1.40e-05	-5.77	0.0	-0.13	2.77	3.52e-03	-3.79e-04	1.32e-03	-0.20
		-0.38	1.32e-03	-3.55e-05	0.0	160.0	-0.13	-3.00	3.52e-03	-3.79e-04	6.95e-03	-0.38
150	10	0.85	4.49e-03	-1.26e-05	-5.77	0.0	-0.22	2.69	0.01	-4.66e-04	-0.02	-0.15
		-0.46	-0.02	-3.09e-05	0.0	160.0	-0.22	-3.08	0.01	-4.66e-04	4.49e-03	-0.46
150	11	0.86	0.01	-1.37e-05	-5.77	0.0	-0.16	2.73	2.84e-03	-5.80e-04	6.77e-03	-0.17
		-0.42	6.77e-03	-5.65e-05	0.0	160.0	-0.16	-3.05	2.84e-03	-5.80e-04	0.01	-0.42
150	12	0.86	9.59e-03	-1.27e-05	-5.77	0.0	-0.22	2.67	9.84e-03	-6.41e-04	-6.16e-03	-0.13
		-0.48	-6.16e-03	-5.34e-05	0.0	160.0	-0.22	-3.10	9.84e-03	-6.41e-04	9.59e-03	-0.48
150	13	0.86	4.08e-04	-1.43e-05	-5.77	0.0	-0.10	2.84	4.54e-03	-7.71e-05	-6.85e-03	-0.25
		-0.33	-6.85e-03	-3.89e-06	0.0	160.0	-0.10	-2.93	4.54e-03	-7.71e-05	4.08e-04	-0.33
150	14	0.86	-8.25e-04	-1.37e-05	-5.77	0.0	-0.14	2.80	9.54e-03	-1.20e-04	-0.02	-0.23
		-0.37	-0.02	-1.62e-06	0.0	160.0	-0.14	-2.98	9.54e-03	-1.20e-04	-8.25e-04	-0.37
150	15	0.86	2.59e-03	-1.42e-05	-5.77	0.0	-0.11	2.82	4.20e-03	-1.78e-04	-4.12e-03	-0.24
		-0.35	-4.12e-03	-1.44e-05	0.0	160.0	-0.11	-2.96	4.20e-03	-1.78e-04	2.59e-03	-0.35
150	16	0.86	1.85e-03	-1.38e-05	-5.77	0.0	-0.13	2.79	7.20e-03	-2.04e-04	-9.67e-03	-0.22
		-0.37	-9.67e-03	-1.31e-05	0.0	160.0	-0.13	-2.98	7.20e-03	-2.04e-04	1.85e-03	-0.37
150	17	0.86	4.08e-04	-1.43e-05	-5.77	0.0	-0.10	2.84	4.54e-03	-7.71e-05	-6.85e-03	-0.25
		-0.33	-6.85e-03	-3.89e-06	0.0	160.0	-0.10	-2.93	4.54e-03	-7.71e-05	4.08e-04	-0.33
150	18	0.86	-3.32e-04	-1.39e-05	-5.77	0.0	-0.12	2.82	7.54e-03	-1.03e-04	-0.01	-0.24
		-0.35	-0.01	-2.53e-06	0.0	160.0	-0.12	-2.96	7.54e-03	-1.03e-04	-3.32e-04	-0.35
150	24	3.87	-0.57	5.13e-05	-5.77	0.0	-6.86	-2.34	0.33	0.02	-0.57	3.87
		-4.49	-1.09	1.70e-03	0.0	160.0	-6.86	-8.11	0.33	0.02	-1.09	-4.49
150	25	3.78	1.09	-5.17e-05	-5.77	0.0	6.61	7.97	-0.31	-0.02	0.55	-4.34
		-4.34	0.55	-1.71e-03	0.0	160.0	6.61	2.19	-0.31	-0.02	1.09	3.78
150	44	3.54	-0.57	5.15e-05	-5.77	0.0	-5.27	-1.93	-0.35	0.02	-0.57	3.54
		-4.17	-1.15	1.75e-03	0.0	160.0	-5.27	-7.71	-0.35	0.02	-1.15	-4.17
150	45	3.47	1.15	-5.14e-05	-5.77	0.0	5.03	7.56	0.36	-0.02	0.54	-4.01
		-4.01	0.54	-1.76e-03	0.0	160.0	5.03	1.79	0.36	-0.02	1.15	3.47
150	56	2.82	-0.46	3.95e-05	-5.77	0.0	-5.22	-1.01	0.24	0.01	-0.46	2.82
		-3.43	-0.83	1.28e-03	0.0	160.0	-5.22	-6.79	0.24	0.01	-0.83	-3.43
150	57	2.72	0.83	-4.02e-05	-5.77	0.0	4.98	6.64	-0.23	-0.01	0.43	-3.29
		-3.29	0.43	-1.29e-03	0.0	160.0	4.98	0.87	-0.23	-0.01	0.83	2.72
150	76	2.60	-0.46	4.02e-05	-5.77	0.0	-4.05	-0.75	-0.28	0.01	-0.46	2.60
		-3.22	-0.87	1.33e-03	0.0	160.0	-4.05	-6.53	-0.28	0.01	-0.87	-3.22
150	77	2.52	0.87	-4.02e-05	-5.77	0.0	3.81	6.38	0.29	-0.01	0.43	-3.07
		-3.07	0.43	-1.33e-03	0.0	160.0	3.81	0.61	0.29	-0.01	0.87	2.52
150	88	2.47	-0.41	3.58e-05	-5.77	0.0	-4.67	-0.58	0.22	0.01	-0.41	2.47
		-3.08	-0.74	1.14e-03	0.0	160.0	-4.67	-6.35	0.22	0.01	-0.74	-3.08
150	89	2.37	0.74	-3.63e-05	-5.77	0.0	4.42	6.21	-0.20	-0.01	0.38	-2.94
		-2.94	0.38	-1.14e-03	0.0	160.0	4.42	0.43	-0.20	-0.01	0.74	2.37
150	108	2.28	-0.41	3.65e-05	-5.77	0.0	-3.62	-0.35	-0.25	0.01	-0.41	2.28
		-2.90	-0.77	1.18e-03	0.0	160.0	-3.62	-6.12	-0.25	0.01	-0.77	-2.90
150	109	2.20	0.77	-3.64e-05	-5.77	0.0	3.38	5.98	0.26	-0.01	0.39	-2.75
		-2.75	0.39	-1.18e-03	0.0	160.0	3.38	0.20	0.26	-0.01	0.77	2.20
150	120	4.71	-0.67	6.09e-05	-5.77	0.0	-8.20	-3.38	0.39	0.02	-0.67	4.71
		-5.33	-1.30	2.03e-03	0.0	160.0	-8.20	-9.16	0.39	0.02	-1.30	-5.33
150	121	4.62	1.30	-6.11e-05	-5.77	0.0	7.95	9.02	-0.37	-0.02	0.65	-5.18
		-5.18	0.65	-2.03e-03	0.0	160.0	7.95	3.24	-0.37	-0.02	1.30	4.62
150	140	4.31	-0.67	6.11e-05	-5.77	0.0	-6.28	-2.90	-0.41	0.02	-0.67	4.31
		-4.95	-1.37	2.09e-03	0.0	160.0	-6.28	-8.68	-0.41	0.02	-1.37	-4.95
150	141	4.25	1.37	-6.07e-05	-5.77	0.0	6.04	8.53	0.42	-0.02	0.64	-4.78
		-4.78	0.64	-2.10e-03	0.0	160.0	6.04	2.76	0.42	-0.02	1.37	4.25
151	3	0.76	0.01	-1.89e-05	-4.81	0.0	-0.23	2.29	-3.31e-03	-3.56e-04	0.01	-0.11
		-0.30	5.01e-03	-3.23e-05	0.0	160.0	-0.23	-2.52	-3.31e-03	-3.56e-04	5.01e-03	-0.30
151	4	0.77	6.72e-03	-1.90e-05	-4.81	0.0	-0.41	2.17	-1.11e-03	-3.69e-04	6.72e-03	-4.83e-03
		-0.39	4.94e-03	-3.42e-05	0.0	160.0	-0.41	-2.65	-1.11e-03	-3.69e-04	4.94e-03	-0.39
151	5	1.33	0.02	-3.16e-05	-8.47	0.0	-0.32	4.05	-4.95e-03	-6.22e-04	0.02	-0.21
		-0.51	9.22e-03	-5.56e-05	0.0	160.0	-0.32	-4.42	-4.95e-03	-6.22e-04	9.22e-03	-0.51
151	6	1.34	0.01	-3.17e-05	-8.47	0.0	-0.45	3.96	-3.41e-03	-6.31e-04	0.01	-0.14
		-0.58	9.17e-03	-5.69e-05	0.0	160.0	-0.45	-4.51	-3.41e-03	-6.31e-04	9.17e-03	-0.58
151	9	0.91	7.03e-03	-2.20e-05	-5.77	0.0	-0.19	2.80	-1.66e-03	-2.52e-04	7.03e-03	-0.18
		-0.32	4.38e-03	-2.36e-05	0.0	160.0	-0.19	-2.98	-1.66e-03	-2.52e-04	4.38e-03	-0.32
151	10	0.91	4.63e-03	-2.21e-05	-5.77	0.0	-0.31	2.72	-1.91e-04	-2.61e-04	4.63e-03	-0.11
		-0.38	4.33e-03	-2.48e-05	0.0	160.0	-0.31	-3.06	-1.91e-04	-2.61e-04	4.33e-03	-0.38
151	11	0.91	0.01	-2.20e-05	-5.77	0.0	-0.23	2.76	-3.40e-03	-4.08e-04	0.01	-0.14
		-0.35	6.01e-03	-3.68e-05	0.0	160.0	-0.23	-3.02	-3.40e-03	-4.08e-04	6.01e-03	-0.35
151	12	0.91	9.78e-03	-2.20e-05	-5.77	0.0	-0.32	2.70	-2.38e-03	-4.14e-04	9.78e-03	-0.09
		-0.39	5.98e-03	-3.77e-05	0.0	160.0	-0.32	-3.07	-2.38e-03	-4.14e-04	5.98e-03	-0.39
151	13	0.90	1.93e-03	-2.22e-05	-5.77	0.0	-0.13	2.86	9.57e-04	-1.82e-05	3.95e-04	-0.23

		-0.28	3.95e-04	-3.74e-06	0.0	160.0	-0.13	-2.91	9.57e-04	-1.82e-05	1.93e-03	-0.28
151	14	0.90	1.90e-03	-2.22e-05	-5.77	0.0	-0.19	2.82	1.69e-03	-2.25e-05	-8.05e-04	-0.20
		-0.31	-8.05e-04	-4.38e-06	0.0	160.0	-0.19	-2.96	1.69e-03	-2.25e-05	1.90e-03	-0.31
151	15	0.90	2.74e-03	-2.21e-05	-5.77	0.0	-0.15	2.84	8.45e-05	-9.62e-05	2.61e-03	-0.21
		-0.29	2.61e-03	-1.03e-05	0.0	160.0	-0.15	-2.93	8.45e-05	-9.62e-05	2.74e-03	-0.29
151	16	0.90	2.73e-03	-2.21e-05	-5.77	0.0	-0.19	2.81	5.25e-04	-9.88e-05	1.89e-03	-0.19
		-0.31	1.89e-03	-1.07e-05	0.0	160.0	-0.19	-2.96	5.25e-04	-9.88e-05	2.73e-03	-0.31
151	17	0.90	1.93e-03	-2.22e-05	-5.77	0.0	-0.13	2.86	9.57e-04	-1.82e-05	3.95e-04	-0.23
		-0.28	3.95e-04	-3.74e-06	0.0	160.0	-0.13	-2.91	9.57e-04	-1.82e-05	1.93e-03	-0.28
151	18	0.90	1.91e-03	-2.21e-05	-5.77	0.0	-0.16	2.84	1.40e-03	-2.08e-05	-3.25e-04	-0.21
		-0.29	-3.25e-04	-4.12e-06	0.0	160.0	-0.16	-2.94	1.40e-03	-2.08e-05	1.91e-03	-0.29
151	24	3.83	-1.09	3.79e-05	-5.77	0.0	-9.63	-1.74	-0.31	3.28e-03	-1.09	3.83
		-3.57	-1.11	8.59e-05	0.0	160.0	-9.63	-7.51	-0.31	3.28e-03	-1.11	-3.57
151	25	2.98	1.11	-5.78e-05	-5.77	0.0	9.30	7.41	0.31	-3.32e-03	1.09	-4.25
		-4.25	1.09	-9.02e-05	0.0	160.0	9.30	1.63	0.31	-3.32e-03	1.11	2.98
151	40	3.09	-1.06	2.42e-05	-5.77	0.0	-6.94	-0.95	-0.37	6.68e-03	-1.06	3.09
		-3.06	-1.32	3.90e-04	0.0	160.0	-6.94	-6.73	-0.37	6.68e-03	-1.32	-3.06
151	41	2.48	1.32	-4.66e-05	-5.77	0.0	6.61	6.62	0.38	-6.72e-03	1.06	-3.51
		-3.51	1.06	-3.98e-04	0.0	160.0	6.61	0.85	0.38	-6.72e-03	1.32	2.48
151	56	2.79	-0.83	2.61e-05	-5.77	0.0	-7.33	-0.57	-0.24	2.65e-03	-0.83	2.79
		-2.73	-0.84	6.69e-05	0.0	160.0	-7.33	-6.34	-0.24	2.65e-03	-0.84	-2.73
151	57	2.15	0.85	-4.67e-05	-5.77	0.0	7.00	6.24	0.25	-2.69e-03	0.83	-3.21
		-3.21	0.83	-7.12e-05	0.0	160.0	7.00	0.46	0.25	-2.69e-03	0.85	2.15
151	72	2.26	-0.81	-2.16e-05	-5.77	0.0	-5.30	-0.01	-0.30	5.14e-03	-0.81	2.26
		-2.38	-1.00	3.00e-04	0.0	160.0	-5.30	-5.79	-0.30	5.14e-03	-1.00	-2.38
151	73	1.79	1.00	-3.89e-05	-5.77	0.0	4.97	5.68	0.30	-5.18e-03	0.81	-2.69
		-2.69	0.81	-3.08e-04	0.0	160.0	4.97	-0.09	0.30	-5.18e-03	1.00	1.79
151	88	2.45	-0.74	2.24e-05	-5.77	0.0	-6.55	-0.18	-0.22	2.36e-03	-0.74	2.45
		-2.46	-0.75	5.96e-05	0.0	160.0	-6.55	-5.95	-0.22	2.36e-03	-0.75	-2.46
151	89	1.87	0.75	-4.32e-05	-5.77	0.0	6.22	5.85	0.22	-2.40e-03	0.74	-2.87
		-2.87	0.74	-6.38e-05	0.0	160.0	6.22	0.07	0.22	-2.40e-03	0.75	1.87
151	104	2.00	-0.72	-2.12e-05	-5.77	0.0	-4.73	0.31	-0.27	4.57e-03	-0.72	1.99
		-2.14	-0.89	2.67e-04	0.0	160.0	-4.73	-5.47	-0.27	4.57e-03	-0.89	-2.14
151	105	1.58	0.89	-3.65e-05	-5.77	0.0	4.40	5.36	0.27	-4.61e-03	0.72	-2.41
		-2.41	0.72	-2.75e-04	0.0	160.0	4.40	-0.41	0.27	-4.61e-03	0.89	1.56
151	120	4.65	-1.30	4.68e-05	-5.77	0.0	-11.49	-2.67	-0.36	3.83e-03	-1.30	4.65
		-4.24	-1.32	1.01e-04	0.0	160.0	-11.49	-8.45	-0.36	3.83e-03	-1.32	-4.24
151	121	3.65	1.32	-6.69e-05	-5.77	0.0	11.16	8.34	0.36	-3.87e-03	1.30	-5.08
		-5.08	1.30	-1.05e-04	0.0	160.0	11.16	2.57	0.36	-3.87e-03	1.32	3.65
151	136	3.75	-1.27	3.03e-05	-5.77	0.0	-8.28	-1.73	-0.44	7.90e-03	-1.27	3.75
		-3.63	-1.57	4.62e-04	0.0	160.0	-8.28	-7.50	-0.44	7.90e-03	-1.57	-3.63
151	137	3.04	1.57	-5.28e-05	-5.77	0.0	7.95	7.40	0.44	-7.94e-03	1.27	-4.18
		-4.18	1.27	-4.70e-04	0.0	160.0	7.95	1.62	0.44	-7.94e-03	1.57	3.04
152	3	0.73	5.19e-03	1.96e-05	-4.81	0.0	-0.30	2.13	-3.92e-03	-3.03e-04	5.19e-03	-0.02
		-0.46	-1.08e-03	-2.31e-05	0.0	160.0	-0.30	-2.68	-3.92e-03	-3.03e-04	-1.08e-03	-0.46
152	4	0.74	5.17e-03	3.35e-05	-4.81	0.0	-0.53	1.91	-9.95e-03	-3.77e-04	5.17e-03	0.13
		-0.66	-0.01	-2.64e-05	0.0	160.0	-0.53	-2.90	-9.95e-03	-3.77e-04	-0.01	-0.66
152	5	1.29	9.55e-03	3.48e-05	-8.47	0.0	-0.43	3.79	-5.59e-03	-5.14e-04	9.55e-03	-0.07
		-0.77	6.09e-04	-3.85e-05	0.0	160.0	-0.43	-4.67	-5.59e-03	-5.14e-04	6.09e-04	-0.77
152	6	1.29	9.53e-03	4.45e-05	-8.47	0.0	-0.60	3.64	-9.81e-03	-5.66e-04	9.53e-03	0.04
		-0.91	-6.16e-03	-4.09e-05	0.0	160.0	-0.60	-4.83	-9.81e-03	-5.66e-04	-6.16e-03	-0.91
152	9	0.88	4.49e-03	1.72e-05	-5.77	0.0	-0.25	2.66	-1.93e-03	-2.03e-04	4.49e-03	-0.10
		-0.46	1.40e-03	-1.55e-05	0.0	160.0	-0.25	-3.12	-1.93e-03	-2.03e-04	1.40e-03	-0.46
152	10	0.88	4.47e-03	2.64e-05	-5.77	0.0	-0.41	2.51	-5.94e-03	-2.52e-04	4.47e-03	5.85e-03
		-0.59	-5.04e-03	-1.77e-05	0.0	160.0	-0.41	-3.26	-5.94e-03	-2.52e-04	-5.04e-03	-0.59
152	11	0.88	6.22e-03	2.30e-05	-5.77	0.0	-0.31	2.58	-3.92e-03	-3.40e-04	6.22e-03	-0.04
		-0.53	-4.90e-05	-2.57e-05	0.0	160.0	-0.31	-3.19	-3.92e-03	-3.40e-04	-4.90e-05	-0.53
152	12	0.88	6.21e-03	2.95e-05	-5.77	0.0	-0.42	2.48	-6.73e-03	-3.75e-04	6.21e-03	0.03
		-0.62	-4.56e-03	-2.72e-05	0.0	160.0	-0.42	-3.29	-6.73e-03	-3.75e-04	-4.56e-03	-0.62
152	13	0.89	3.58e-03	-1.44e-05	-5.77	0.0	-0.15	2.77	1.06e-03	4.11e-06	1.88e-03	-0.17
		-0.36	1.88e-03	0.0	0.0	160.0	-0.15	-3.01	1.06e-03	4.11e-06	3.58e-03	-0.36
152	14	0.88	1.87e-03	1.31e-05	-5.77	0.0	-0.23	2.70	-9.49e-04	-2.04e-05	1.87e-03	-0.12
		-0.43	3.56e-04	-1.36e-06	0.0	160.0	-0.23	-3.08	-9.49e-04	-2.04e-05	3.56e-04	-0.43
152	16	0.88	2.75e-03	1.42e-05	-5.77	0.0	-0.23	2.69	-1.14e-03	-7.95e-05	2.75e-03	-0.12
		-0.44	9.19e-04	-6.00e-06	0.0	160.0	-0.23	-3.09	-1.14e-03	-7.95e-05	9.19e-04	-0.44
152	17	0.89	3.58e-03	-1.44e-05	-5.77	0.0	-0.15	2.77	1.06e-03	4.11e-06	1.88e-03	-0.17
		-0.36	1.88e-03	0.0	0.0	160.0	-0.15	-3.01	1.06e-03	4.11e-06	3.58e-03	-0.36
152	18	0.88	1.88e-03	-1.31e-05	-5.77	0.0	-0.20	2.73	-1.46e-04	-1.06e-05	1.88e-03	-0.14
		-0.40	1.64e-03	0.0	0.0	160.0	-0.20	-3.05	-1.46e-04	-1.06e-05	1.64e-03	-0.40
152	24	6.14	-0.68	8.02e-04	-5.77	0.0	-12.61	-5.99	-0.29	-0.02	-1.11	6.14
		-8.06	-1.11	-1.76e-03	0.0	160.0	-12.61	-11.76	-0.29	-0.02	-0.68	-8.06
152	25	7.26	1.11	-7.79e-04	-5.77	0.0	12.20	11.44	0.29	0.02	1.11	-6.43
		-6.43	0.68	1.76e-03	0.0	160.0	12.20	5.67	0.29	0.02	0.68	7.26
152	40	4.70	-0.84	-3.36e-04	-5.77	0.0	-9.24	-4.09	0.26	-0.02	-1.31	4.70
		-6.47	-1.31	-1.76e-03	0.0	160.0	-9.24	-9.87	0.26	-0.02	-0.84	-6.47

152	41	5.66	1.32	3.58e-04	-5.77	0.0	8.83	9.54	-0.26	0.02	1.32	-4.99
		-4.99	0.84	1.76e-03	0.0	160.0	8.83	3.77	-0.26	0.02	0.84	5.66
152	56	4.51	-0.53	5.94e-04	-5.77	0.0	-9.58	-3.74	-0.21	-0.01	-0.84	4.51
		-6.09	-0.84	-1.32e-03	0.0	160.0	-9.58	-9.51	-0.21	-0.01	-0.53	-6.09
152	57	5.28	0.84	-5.72e-04	-5.77	0.0	9.18	9.19	0.21	0.01	0.84	-4.80
		-4.80	0.53	1.32e-03	0.0	160.0	9.18	3.41	0.21	0.01	0.53	5.28
152	72	3.48	-0.65	-2.45e-04	-5.77	0.0	-7.05	-2.38	0.22	-0.01	-1.00	3.48
		-4.95	-1.00	-1.32e-03	0.0	160.0	-7.05	-8.16	0.22	-0.01	-0.65	-4.95
152	73	4.14	1.00	2.67e-04	-5.77	0.0	6.64	7.83	-0.22	0.01	1.00	-3.77
		-3.77	0.65	1.32e-03	0.0	160.0	6.64	2.06	-0.22	0.01	0.65	4.14
152	88	3.98	-0.47	5.27e-04	-5.77	0.0	-8.55	-3.00	-0.19	-0.01	-0.75	3.98
		-5.44	-0.75	-1.17e-03	0.0	160.0	-8.55	-8.77	-0.19	-0.01	-0.47	-5.44
152	89	4.63	0.75	-5.05e-04	-5.77	0.0	8.15	8.45	0.19	0.01	0.75	-4.27
		-4.27	0.47	1.17e-03	0.0	160.0	8.15	2.68	0.19	0.01	0.47	4.63
152	104	3.07	-0.58	-2.16e-04	-5.77	0.0	-6.29	-1.80	0.20	-0.01	-0.89	3.07
		-4.44	-0.89	-1.17e-03	0.0	160.0	-6.29	-7.58	0.20	-0.01	-0.58	-4.44
152	105	3.63	0.89	2.38e-04	-5.77	0.0	5.88	7.26	-0.20	0.01	0.89	-3.36
		-3.36	0.58	1.17e-03	0.0	160.0	5.88	1.48	-0.20	0.01	0.58	3.63
152	120	7.41	-0.81	9.60e-04	-5.77	0.0	-15.05	-7.75	-0.34	-0.02	-1.32	7.41
		-9.62	-1.32	-2.10e-03	0.0	160.0	-15.05	-13.53	-0.34	-0.02	-0.81	-9.62
152	121	8.81	1.32	-9.37e-04	-5.77	0.0	14.64	13.21	0.34	0.02	1.32	-7.70
		-7.70	0.81	2.10e-03	0.0	160.0	14.64	7.43	0.34	0.02	0.81	8.81
152	136	5.68	-1.00	-4.08e-04	-5.77	0.0	-11.03	-5.46	0.31	-0.02	-1.57	5.68
		-7.69	-1.57	-2.11e-03	0.0	160.0	-11.03	-11.24	0.31	-0.02	-1.00	-7.69
152	137	6.89	1.57	4.30e-04	-5.77	0.0	10.63	10.92	-0.31	0.02	1.57	-5.96
		-5.96	1.00	2.11e-03	0.0	160.0	10.63	5.14	-0.31	0.02	1.00	6.89
153	1	1.32	3.05e-03	-6.76e-05	-8.47	0.0	7.69	4.30	-0.01	-7.38e-04	3.05e-03	-0.43
		-0.43	-0.02	-1.94e-05	0.0	160.0	7.69	-4.16	-0.01	-7.38e-04	-0.02	-0.32
153	2	1.28	-6.45e-03	-1.13e-04	-8.47	0.0	8.23	4.32	-0.03	-1.05e-03	-6.45e-03	-0.47
		-0.47	-0.05	-4.22e-05	0.0	160.0	8.23	-4.15	-0.03	-1.05e-03	-0.05	-0.34
153	3	0.74	-8.27e-04	-5.66e-05	-4.81	0.0	5.15	2.45	-0.01	-6.05e-04	-8.27e-04	-0.26
		-0.26	-0.02	-2.60e-05	0.0	160.0	5.15	-2.36	-0.01	-6.05e-04	-0.02	-0.19
153	6	1.28	-5.61e-03	-1.21e-04	-8.47	0.0	8.13	4.31	-0.03	-1.19e-03	-5.61e-03	-0.48
		-0.48	-0.05	-5.50e-05	0.0	160.0	8.13	-4.15	-0.03	-1.19e-03	-0.05	-0.35
153	8	0.70	-9.49e-03	-1.13e-04	-4.81	0.0	5.59	2.46	-0.03	-1.06e-03	-9.49e-03	-0.31
		-0.31	-0.06	-6.17e-05	0.0	160.0	5.59	-2.35	-0.03	-1.06e-03	-0.06	-0.22
153	9	0.90	1.58e-03	-4.76e-05	-5.77	0.0	5.56	2.94	-7.89e-03	-5.14e-04	1.58e-03	-0.30
		-0.30	-0.01	-1.38e-05	0.0	160.0	5.56	-2.84	-7.89e-03	-5.14e-04	-0.01	-0.22
153	10	0.88	-4.76e-03	-7.86e-05	-5.77	0.0	5.92	2.95	-0.02	-7.24e-04	-4.76e-03	-0.32
		-0.32	-0.04	-2.89e-05	0.0	160.0	5.92	-2.83	-0.02	-7.24e-04	-0.04	-0.23
153	12	0.87	-4.19e-03	-8.35e-05	-5.77	0.0	5.86	2.94	-0.02	-8.15e-04	-4.19e-03	-0.33
		-0.33	-0.04	-3.75e-05	0.0	160.0	5.86	-2.83	-0.02	-8.15e-04	-0.04	-0.24
153	13	0.91	3.59e-03	-3.26e-05	-5.77	0.0	5.50	2.94	-1.15e-03	-2.82e-04	3.59e-03	-0.28
		-0.28	1.74e-03	5.94e-06	0.0	160.0	5.50	-2.84	-1.15e-03	-2.82e-04	1.74e-03	-0.20
153	14	0.90	4.20e-04	-4.35e-05	-5.77	0.0	5.68	2.94	-7.12e-03	-3.88e-04	4.20e-04	-0.29
		-0.29	-0.01	-1.65e-06	0.0	160.0	5.68	-2.83	-7.12e-03	-3.88e-04	-0.01	-0.21
153	16	0.90	1.02e-03	-4.41e-05	-5.77	0.0	5.63	2.94	-6.98e-03	-4.23e-04	1.02e-03	-0.29
		-0.29	-0.01	-5.18e-06	0.0	160.0	5.63	-2.84	-6.98e-03	-4.23e-04	-0.01	-0.21
153	17	0.91	3.59e-03	-3.26e-05	-5.77	0.0	5.50	2.94	-1.15e-03	-2.82e-04	3.59e-03	-0.28
		-0.28	1.74e-03	5.94e-06	0.0	160.0	5.50	-2.84	-1.15e-03	-2.82e-04	1.74e-03	-0.20
153	18	0.91	1.69e-03	-3.90e-05	-5.77	0.0	5.60	2.94	-4.73e-03	-3.46e-04	1.69e-03	-0.29
		-0.29	-5.89e-03	1.38e-06	0.0	160.0	5.60	-2.84	-4.73e-03	-3.46e-04	-5.89e-03	-0.21
153	19	-0.14	-0.33	-1.23e-03	-5.77	0.0	-19.97	2.19	-1.04	-0.01	-0.33	-0.80
		-1.92	-1.31	-1.08e-03	0.0	160.0	-19.97	-3.58	-1.04	-0.01	-1.31	-1.92
153	22	2.11	1.29	1.16e-03	-5.77	0.0	31.18	3.69	1.03	0.01	0.33	0.22
		0.22	0.33	1.08e-03	0.0	160.0	31.18	-2.09	1.03	0.01	1.29	1.51
153	23	-0.14	-0.40	-9.54e-04	-5.77	0.0	-18.79	2.22	-0.95	-0.01	-0.40	-0.79
		-1.93	-1.25	-1.11e-03	0.0	160.0	-18.79	-3.55	-0.95	-0.01	-1.25	-1.93
153	26	2.11	1.24	8.86e-04	-5.77	0.0	30.00	3.65	0.95	0.01	0.40	0.21
		0.21	0.40	1.12e-03	0.0	160.0	30.00	-2.12	0.95	0.01	1.24	1.52
153	51	0.12	-0.26	-9.20e-04	-5.77	0.0	-13.23	2.39	-0.80	-9.32e-03	-0.26	-0.67
		-1.47	-0.99	-8.16e-04	0.0	160.0	-13.23	-3.38	-0.80	-9.32e-03	-0.99	-1.47
153	54	1.78	0.98	8.52e-04	-5.77	0.0	24.44	3.49	0.79	8.63e-03	0.26	0.09
		0.09	0.26	8.19e-04	0.0	160.0	24.44	-2.29	0.79	8.63e-03	0.98	1.06
153	55	0.12	-0.31	-7.13e-04	-5.77	0.0	-12.37	2.41	-0.74	-9.68e-03	-0.31	-0.66
		-1.48	-0.95	-8.42e-04	0.0	160.0	-12.37	-3.36	-0.74	-9.68e-03	-0.95	-1.48
153	58	1.78	0.93	6.46e-04	-5.77	0.0	23.58	3.47	0.73	8.99e-03	0.31	0.09
		0.09	0.31	8.45e-04	0.0	160.0	23.58	-2.31	0.73	8.99e-03	0.93	1.07
153	59	0.27	-0.21	-7.66e-04	-5.77	0.0	-11.17	2.47	-0.82	-9.53e-03	-0.21	-0.61
		-1.19	-0.99	-8.44e-04	0.0	160.0	-11.17	-3.31	-0.82	-9.53e-03	-0.99	-1.19
153	62	1.59	0.98	6.99e-04	-5.77	0.0	22.38	3.41	0.81	8.84e-03	0.22	0.03
		0.03	0.22	8.46e-04	0.0	160.0	22.38	-2.36	0.81	8.84e-03	0.98	0.78
153	83	0.21	-0.23	-8.18e-04	-5.77	0.0	-11.07	2.45	-0.71	-8.31e-03	-0.23	-0.62
		-1.32	-0.88	-7.25e-04	0.0	160.0	-11.07	-3.32	-0.71	-8.31e-03	-0.88	-1.32
153	86	1.67	0.87	7.51e-04	-5.77	0.0	22.28	3.43	0.71	7.62e-03	0.23	0.05

		0.05	0.23	7.27e-04	0.0	160.0	22.28	-2.35	0.71	7.62e-03	0.87	0.91
153	87	0.21	-0.27	-6.35e-04	-5.77	0.0	-10.31	2.47	-0.66	-8.64e-03	-0.27	-0.62
		-1.33	-0.84	-7.47e-04	0.0	160.0	-10.31	-3.30	-0.66	-8.64e-03	-0.84	-1.33
153	90	1.67	0.83	5.68e-04	-5.77	0.0	21.52	3.41	0.65	7.95e-03	0.28	0.04
		0.04	0.28	7.50e-04	0.0	160.0	21.52	-2.37	0.65	7.95e-03	0.83	0.92
153	91	0.34	-0.19	-6.83e-04	-5.77	0.0	-9.28	2.52	-0.73	-8.49e-03	-0.19	-0.57
		-1.08	-0.88	-7.48e-04	0.0	160.0	-9.28	-3.26	-0.73	-8.49e-03	-0.88	-1.08
153	94	1.51	0.87	6.16e-04	-5.77	0.0	20.49	3.36	0.72	7.80e-03	0.19	-6.09e-03
		-6.09e-03	0.19	7.51e-04	0.0	160.0	20.49	-2.42	0.72	7.80e-03	0.87	0.67
153	115	-0.33	-0.39	-1.47e-03	-5.77	0.0	-25.03	2.05	-1.23	-0.01	-0.39	-0.90
		-2.27	-1.54	-1.28e-03	0.0	160.0	-25.03	-3.73	-1.23	-0.01	-1.54	-2.27
153	118	2.37	1.53	1.41e-03	-5.77	0.0	36.24	3.83	1.22	0.01	0.39	0.33
		0.33	0.39	1.29e-03	0.0	160.0	36.24	-1.94	1.22	0.01	1.53	1.85
153	119	-0.33	-0.47	-1.14e-03	-5.77	0.0	-23.55	2.09	-1.12	-0.02	-0.47	-0.90
		-2.27	-1.47	-1.32e-03	0.0	160.0	-23.55	-3.69	-1.12	-0.02	-1.47	-2.27
153	122	2.37	1.46	1.07e-03	-5.77	0.0	34.76	3.79	1.11	0.01	0.47	0.32
		0.32	0.47	1.33e-03	0.0	160.0	34.76	-1.98	1.11	0.01	1.46	1.86
154	1	1.32	0.02	5.23e-05	-8.47	0.0	8.14	4.15	0.01	1.94e-04	-6.37e-03	-0.30
		-0.44	-6.37e-03	-3.51e-05	0.0	160.0	8.14	-4.32	0.01	1.94e-04	0.02	-0.44
154	2	1.28	0.04	1.08e-04	-8.47	0.0	8.43	4.14	0.04	-5.50e-04	-0.03	-0.33
		-0.49	-0.03	-1.04e-04	0.0	160.0	8.43	-4.33	0.04	-5.50e-04	0.04	-0.49
154	3	0.74	0.02	4.63e-05	-4.81	0.0	5.53	2.35	0.01	-1.37e-04	-5.31e-03	-0.17
		-0.27	-5.31e-03	-4.41e-05	0.0	160.0	5.53	-2.47	0.01	-1.37e-04	0.02	-0.27
154	6	1.28	0.05	1.08e-04	-8.47	0.0	8.61	4.13	0.04	-6.45e-04	-0.02	-0.33
		-0.49	-0.02	-1.14e-04	0.0	160.0	8.61	-4.34	0.04	-6.45e-04	0.05	-0.49
154	8	0.71	0.05	1.02e-04	-4.81	0.0	6.00	2.33	0.04	-9.77e-04	-0.02	-0.20
		-0.32	-0.02	-1.23e-04	0.0	160.0	6.00	-2.48	0.04	-9.77e-04	0.05	-0.32
154	9	0.90	0.01	3.78e-05	-5.77	0.0	5.86	2.83	9.91e-03	1.22e-04	-4.48e-03	-0.20
		-0.30	-4.48e-03	-2.50e-05	0.0	160.0	5.86	-2.95	9.91e-03	1.22e-04	0.01	-0.30
154	10	0.88	0.03	7.49e-05	-5.77	0.0	6.06	2.82	0.03	-3.75e-04	-0.02	-0.22
		-0.34	-0.02	-7.12e-05	0.0	160.0	6.06	-2.96	0.03	-3.75e-04	0.03	-0.34
154	12	0.88	0.03	7.48e-05	-5.77	0.0	6.18	2.81	0.03	-4.38e-04	-0.02	-0.22
		-0.34	-0.02	-7.79e-05	0.0	160.0	6.18	-2.96	0.03	-4.38e-04	0.03	-0.34
154	13	0.91	1.08e-03	2.13e-05	-5.77	0.0	5.59	2.83	2.24e-03	4.40e-04	-2.50e-03	-0.20
		-0.29	-2.50e-03	5.80e-06	0.0	160.0	5.59	-2.94	2.24e-03	4.40e-04	1.08e-03	-0.29
154	14	0.90	0.01	3.98e-05	-5.77	0.0	5.69	2.83	0.01	1.92e-04	-9.63e-03	-0.21
		-0.30	-9.63e-03	-1.73e-05	0.0	160.0	5.69	-2.95	0.01	1.92e-04	0.01	-0.30
154	16	0.90	9.95e-03	3.79e-05	-5.77	0.0	5.74	2.83	0.01	1.85e-04	-7.44e-03	-0.21
		-0.30	-7.44e-03	-1.83e-05	0.0	160.0	5.74	-2.95	0.01	1.85e-04	9.95e-03	-0.30
154	17	0.91	1.08e-03	2.13e-05	-5.77	0.0	5.59	2.83	2.24e-03	4.40e-04	-2.50e-03	-0.20
		-0.29	-2.50e-03	5.80e-06	0.0	160.0	5.59	-2.94	2.24e-03	4.40e-04	1.08e-03	-0.29
154	18	0.91	6.51e-03	3.24e-05	-5.77	0.0	5.65	2.83	8.31e-03	2.91e-04	-6.78e-03	-0.20
		-0.29	-6.78e-03	-8.06e-06	0.0	160.0	5.65	-2.94	8.31e-03	2.91e-04	6.51e-03	-0.29
154	19	1.62	0.69	-3.12e-04	-5.77	0.0	33.16	1.98	-0.87	-9.38e-03	0.69	1.24
		-0.72	-1.22	9.99e-05	0.0	160.0	33.16	-3.79	-0.87	-9.38e-03	-1.22	-0.72
154	22	0.56	1.23	3.77e-04	-5.77	0.0	-21.86	3.68	0.89	9.96e-03	-0.70	-1.65
		-1.65	-0.70	-1.14e-04	0.0	160.0	-21.86	-2.10	0.89	9.96e-03	1.23	0.13
154	35	2.12	-0.47	-1.33e-03	-5.77	0.0	27.07	2.17	-0.63	0.01	-0.47	1.33
		0.53	-1.17	3.12e-03	0.0	160.0	27.07	-3.60	-0.63	0.01	-1.17	0.53
154	38	-0.26	1.18	1.39e-03	-5.77	0.0	-15.76	3.49	0.65	-0.01	0.46	-1.74
		-1.74	0.46	-3.14e-03	0.0	160.0	-15.76	-2.29	0.65	-0.01	1.18	-1.12
154	51	1.39	0.52	-2.21e-04	-5.77	0.0	25.80	2.21	-0.70	-7.13e-03	0.52	0.86
		-0.61	-0.95	8.77e-05	0.0	160.0	25.80	-3.57	-0.70	-7.13e-03	-0.95	-0.61
154	54	0.62	0.96	2.86e-04	-5.77	0.0	-14.50	3.45	0.71	7.71e-03	-0.53	-1.27
		-1.27	-0.53	-1.03e-04	0.0	160.0	-14.50	-2.32	0.71	7.71e-03	0.96	0.02
154	67	1.81	-0.36	-9.93e-04	-5.77	0.0	21.37	2.35	-0.51	0.01	-0.36	0.94
		0.33	-0.90	2.33e-03	0.0	160.0	21.37	-3.43	-0.51	0.01	-0.90	0.33
154	70	0.03	0.91	1.06e-03	-5.77	0.0	-10.07	3.32	0.52	-9.43e-03	0.35	-1.35
		-1.35	0.35	-2.35e-03	0.0	160.0	-10.07	-2.46	0.52	-9.43e-03	0.91	-0.92
154	83	1.33	0.46	-1.92e-04	-5.77	0.0	23.47	2.28	-0.62	-6.30e-03	0.46	0.74
		-0.58	-0.84	7.84e-05	0.0	160.0	23.47	-3.49	-0.62	-6.30e-03	-0.84	-0.58
154	86	0.64	0.85	2.57e-04	-5.77	0.0	-12.17	3.38	0.64	6.88e-03	-0.47	-1.15
		-1.15	-0.47	-9.33e-05	0.0	160.0	-12.17	-2.39	0.64	6.88e-03	0.85	-0.01
154	99	1.71	-0.32	-8.78e-04	-5.77	0.0	19.56	2.40	-0.45	8.93e-03	-0.32	0.81
		0.26	-0.80	2.07e-03	0.0	160.0	19.56	-3.37	-0.45	8.93e-03	-0.80	0.26
154	102	0.12	0.81	9.43e-04	-5.77	0.0	-8.26	3.26	0.47	-8.35e-03	0.31	-1.22
		-1.22	0.31	-2.08e-03	0.0	160.0	-8.26	-2.51	0.47	-8.35e-03	0.81	-0.85
154	115	1.81	0.81	-3.78e-04	-5.77	0.0	38.61	1.82	-1.03	-0.01	0.81	1.52
		-0.80	-1.45	1.01e-04	0.0	160.0	38.61	-3.96	-1.03	-0.01	-1.45	-0.80
154	118	0.54	1.46	4.43e-04	-5.77	0.0	-27.31	3.84	1.05	0.01	-0.83	-1.93
		-1.93	-0.83	-1.15e-04	0.0	160.0	-27.31	-1.93	1.05	0.01	1.46	0.21
154	131	2.37	-0.56	-1.61e-03	-5.77	0.0	31.27	2.05	-0.75	0.02	-0.56	1.64
		0.71	-1.40	3.75e-03	0.0	160.0	31.27	-3.73	-0.75	0.02	-1.40	0.71
154	134	-0.49	1.42	1.67e-03	-5.77	0.0	-19.97	3.62	0.76	-0.02	0.55	-2.05
		-2.05	0.55	-3.76e-03	0.0	160.0	-19.97	-2.16	0.76	-0.02	1.42	-1.30

155	1	1.30	0.02	-4.14e-05	-8.47	0.0	-0.30	4.51	2.63e-03	-9.75e-05	0.02	-0.62
		-0.62	0.02	-7.34e-06	0.0	160.0	-0.30	-3.95	2.63e-03	-9.75e-05	0.02	-0.17
155	2	1.30	0.08	-5.72e-05	-8.47	0.0	-0.55	4.79	0.02	-4.15e-04	0.04	-0.87
		-0.87	0.04	-2.80e-05	0.0	160.0	-0.55	-3.67	0.02	-4.15e-04	0.08	0.03
155	3	0.74	0.02	-2.72e-05	-4.81	0.0	-0.26	2.64	4.62e-03	-2.12e-04	0.02	-0.42
		-0.42	0.02	-1.41e-05	0.0	160.0	-0.26	-2.17	4.62e-03	-2.12e-04	0.02	-0.04
155	4	0.75	0.09	-4.55e-05	-4.81	0.0	-0.51	2.92	0.03	-5.29e-04	0.04	-0.67
		-0.67	0.04	-3.48e-05	0.0	160.0	-0.51	-1.89	0.03	-5.29e-04	0.09	0.16
155	6	1.30	0.08	-5.61e-05	-8.47	0.0	-0.54	4.79	0.02	-4.97e-04	0.05	-0.86
		-0.86	0.05	-3.43e-05	0.0	160.0	-0.54	-3.68	0.02	-4.97e-04	0.08	0.02
155	9	0.88	0.01	-2.87e-05	-5.77	0.0	-0.22	3.09	2.04e-03	-8.07e-05	0.01	-0.43
		-0.43	0.01	-5.50e-06	0.0	160.0	-0.22	-2.69	2.04e-03	-8.07e-05	0.01	-0.11
155	10	0.89	0.06	-3.93e-05	-5.77	0.0	-0.39	3.28	0.02	-2.92e-04	0.03	-0.60
		-0.60	0.03	-1.93e-05	0.0	160.0	-0.39	-2.50	0.02	-2.92e-04	0.06	0.02
155	12	0.89	0.05	-3.86e-05	-5.77	0.0	-0.38	3.27	0.01	-3.47e-04	0.03	-0.59
		-0.59	0.03	-2.35e-05	0.0	160.0	-0.38	-2.50	0.01	-3.47e-04	0.05	0.02
155	13	0.89	9.44e-04	-2.54e-05	-5.77	0.0	-0.16	3.01	-1.60e-03	9.65e-05	9.44e-04	-0.37
		-0.37	-1.62e-03	7.02e-06	0.0	160.0	-0.16	-2.76	-1.60e-03	9.65e-05	-1.62e-03	-0.17
155	14	0.88	0.02	-3.02e-05	-5.77	0.0	-0.24	3.11	5.75e-03	-9.21e-06	0.01	-0.45
		-0.45	0.01	-1.06e-06	0.0	160.0	-0.24	-2.67	5.75e-03	-9.21e-06	0.02	-0.10
155	17	0.89	9.44e-04	-2.54e-05	-5.77	0.0	-0.16	3.01	-1.60e-03	9.65e-05	9.44e-04	-0.37
		-0.37	-1.62e-03	7.02e-06	0.0	160.0	-0.16	-2.76	-1.60e-03	9.65e-05	-1.62e-03	-0.17
155	18	0.88	0.01	-2.82e-05	-5.77	0.0	-0.21	3.07	2.81e-03	3.31e-05	6.45e-03	-0.42
		-0.42	6.45e-03	2.88e-06	0.0	160.0	-0.21	-2.71	2.81e-03	3.31e-05	0.01	-0.13
155	36	6.33	1.56	-6.57e-04	-5.77	0.0	-11.55	11.91	0.78	4.63e-03	0.61	-8.11
		-8.11	0.61	3.27e-04	0.0	160.0	-11.55	6.14	0.78	4.63e-03	1.56	6.33
155	37	7.28	-0.60	6.22e-04	-5.77	0.0	11.13	-5.78	-0.77	-4.57e-03	-0.60	7.28
		-6.59	-1.54	-3.22e-04	0.0	160.0	11.13	-11.55	-0.77	-4.57e-03	-1.54	-6.59
155	40	6.40	1.52	-9.46e-04	-5.77	0.0	-11.67	12.02	0.71	5.76e-03	0.65	-8.21
		-8.21	0.65	4.34e-04	0.0	160.0	-11.67	6.24	0.71	5.76e-03	1.52	6.40
155	41	7.38	-0.64	9.11e-04	-5.77	0.0	11.25	-5.88	-0.70	-5.70e-03	-0.64	7.38
		-6.65	-1.50	-4.28e-04	0.0	160.0	11.25	-11.65	-0.70	-5.70e-03	-1.50	-6.65
155	68	4.75	1.18	-5.00e-04	-5.77	0.0	-8.96	9.75	0.60	3.47e-03	0.46	-6.23
		-6.23	0.46	2.42e-04	0.0	160.0	-8.96	3.97	0.60	3.47e-03	1.18	4.75
155	69	5.40	-0.45	4.64e-04	-5.77	0.0	8.54	-3.61	-0.59	-3.40e-03	-0.45	5.40
		-5.00	-1.16	-2.36e-04	0.0	160.0	8.54	-9.38	-0.59	-3.40e-03	-1.16	-5.00
155	72	4.80	1.16	-7.16e-04	-5.77	0.0	-9.06	9.83	0.55	4.26e-03	0.49	-6.31
		-6.31	0.49	3.17e-04	0.0	160.0	-9.06	4.06	0.55	4.26e-03	1.16	4.80
155	73	5.48	-0.48	6.81e-04	-5.77	0.0	8.64	-3.69	-0.54	-4.20e-03	-0.48	5.48
		-5.06	-1.13	-3.11e-04	0.0	160.0	8.64	-9.47	-0.54	-4.20e-03	-1.13	-5.06
155	100	4.20	1.05	-4.46e-04	-5.77	0.0	-8.02	9.00	0.53	3.08e-03	0.41	-5.58
		-5.58	0.41	2.15e-04	0.0	160.0	-8.02	3.22	0.53	3.08e-03	1.05	4.20
155	101	4.74	-0.40	4.10e-04	-5.77	0.0	7.60	-2.86	-0.53	-3.01e-03	-0.40	4.74
		-4.45	-1.03	-2.09e-04	0.0	160.0	7.60	-8.64	-0.53	-3.01e-03	-1.03	-4.45
155	104	4.25	1.03	-6.38e-04	-5.77	0.0	-8.11	9.07	0.49	3.78e-03	0.44	-5.65
		-5.65	0.44	2.81e-04	0.0	160.0	-8.11	3.30	0.49	3.78e-03	1.03	4.25
155	105	4.82	-0.43	6.03e-04	-5.77	0.0	7.69	-2.94	-0.48	-3.71e-03	-0.43	4.82
		-4.51	-1.01	-2.75e-04	0.0	160.0	7.69	-8.71	-0.48	-3.71e-03	-1.01	-4.51
155	132	7.67	1.88	-7.87e-04	-5.77	0.0	-13.78	13.74	0.92	5.55e-03	0.74	-9.70
		-9.70	0.74	3.89e-04	0.0	160.0	-13.78	7.96	0.92	5.55e-03	1.88	7.67
155	133	8.87	-0.73	7.52e-04	-5.77	0.0	13.36	-7.60	-0.91	-5.48e-03	-0.73	8.87
		-7.92	-1.85	-3.84e-04	0.0	160.0	13.36	-13.38	-0.91	-5.48e-03	-1.85	-7.92
155	136	7.74	1.83	-1.13e-03	-5.77	0.0	-13.92	13.86	0.84	6.96e-03	0.79	-9.81
		-9.81	0.79	5.22e-04	0.0	160.0	-13.92	8.08	0.84	6.96e-03	1.83	7.74
155	137	8.98	-0.77	1.10e-03	-5.77	0.0	13.50	-7.72	-0.83	-6.89e-03	-0.77	8.98
		-7.99	-1.81	-5.16e-04	0.0	160.0	13.50	-13.49	-0.83	-6.89e-03	-1.81	-7.99
156	1	1.33	6.16e-03	-2.20e-05	-8.47	0.0	-0.25	4.31	-3.67e-03	1.71e-04	6.16e-03	-0.43
		-0.43	2.89e-04	1.59e-05	0.0	160.0	-0.25	-4.16	-3.67e-03	1.71e-04	2.89e-04	-0.31
156	2	1.34	0.03	-2.63e-05	-8.47	0.0	-0.48	4.49	0.01	7.20e-04	0.01	-0.56
		-0.56	0.01	5.74e-05	0.0	160.0	-0.48	-3.98	0.01	7.20e-04	0.03	-0.15
156	3	0.76	7.02e-03	-1.12e-05	-4.81	0.0	-0.22	2.48	-2.66e-03	1.54e-04	7.02e-03	-0.26
		-0.26	2.76e-03	1.37e-05	0.0	160.0	-0.22	-2.34	-2.66e-03	1.54e-04	2.76e-03	-0.15
156	4	0.78	0.04	-1.54e-05	-4.81	0.0	-0.45	2.66	0.01	7.03e-04	0.01	-0.39
		-0.39	0.01	5.52e-05	0.0	160.0	-0.45	-2.16	0.01	7.03e-04	0.04	7.15e-03
156	9	0.91	6.40e-03	-1.47e-05	-5.77	0.0	-0.19	2.94	-4.74e-03	1.30e-04	6.40e-03	-0.29
		-0.29	-1.19e-03	1.26e-05	0.0	160.0	-0.19	-2.83	-4.74e-03	1.30e-04	-1.19e-03	-0.21
156	10	0.91	0.02	-1.75e-05	-5.77	0.0	-0.34	3.06	6.11e-03	4.96e-04	0.01	-0.38
		-0.38	0.01	4.03e-05	0.0	160.0	-0.34	-2.71	6.11e-03	4.96e-04	0.02	-0.10
156	13	0.90	8.59e-03	-1.54e-05	-5.77	0.0	-0.14	2.91	-0.01	9.28e-05	8.59e-03	-0.27
		-0.27	-9.45e-03	1.18e-05	0.0	160.0	-0.14	-2.87	-0.01	9.28e-05	-9.45e-03	-0.24
156	14	0.91	0.01	-1.68e-05	-5.77	0.0	-0.21	2.97	-5.85e-03	2.76e-04	0.01	-0.31
		-0.31	1.33e-03	2.56e-05	0.0	160.0	-0.21	-2.81	-5.85e-03	2.76e-04	1.33e-03	-0.18
156	17	0.90	8.59e-03	-1.54e-05	-5.77	0.0	-0.14	2.91	-0.01	9.28e-05	8.59e-03	-0.27
		-0.27	-9.45e-03	1.18e-05	0.0	160.0	-0.14	-2.87	-0.01	9.28e-05	-9.45e-03	-0.24
156	18	0.91	9.85e-03	-1.63e-05	-5.77	0.0	-0.18	2.94	-8.02e-03	2.03e-04	9.85e-03	-0.29

		-0.29	-2.98e-03	2.01e-05	0.0	160.0	-0.18	-2.83	-8.02e-03	2.03e-04	-2.98e-03	-0.20
156	40	3.81	1.07	2.16e-04	-5.77	0.0	-10.05	7.56	1.02	0.01	-0.41	-3.66
		-3.66	-0.41	1.08e-03	0.0	160.0	-10.05	1.78	1.02	0.01	1.07	3.81
156	41	3.07	0.43	-2.06e-04	-5.77	0.0	9.69	-1.67	-1.04	-0.01	0.43	3.07
		-4.22	-1.07	-1.04e-03	0.0	160.0	9.69	-7.45	-1.04	-0.01	-1.07	-4.22
156	72	2.84	0.81	1.63e-04	-5.77	0.0	-7.79	6.44	0.77	8.30e-03	-0.30	-2.84
		-2.84	-0.30	8.08e-04	0.0	160.0	-7.79	0.66	0.77	8.30e-03	0.81	2.84
156	73	2.26	0.32	-1.52e-04	-5.77	0.0	7.42	-0.55	-0.79	-7.89e-03	0.32	2.26
		-3.25	-0.82	-7.68e-04	0.0	160.0	7.42	-6.32	-0.79	-7.89e-03	-0.82	-3.25
156	104	2.50	0.72	1.45e-04	-5.77	0.0	-6.96	6.04	0.68	7.39e-03	-0.27	-2.56
		-2.56	-0.27	7.18e-04	0.0	160.0	-6.96	0.27	0.68	7.39e-03	0.72	2.50
156	105	1.97	0.29	-1.34e-04	-5.77	0.0	6.60	-0.16	-0.70	-6.99e-03	0.29	1.97
		-2.91	-0.73	-6.78e-04	0.0	160.0	6.60	-5.93	-0.70	-6.99e-03	-0.73	-2.91
156	136	4.64	1.29	2.58e-04	-5.77	0.0	-12.00	8.51	1.23	0.01	-0.50	-4.35
		-4.35	-0.50	1.30e-03	0.0	160.0	-12.00	2.73	1.23	0.01	1.29	4.64
156	137	3.77	0.52	-2.47e-04	-5.77	0.0	11.63	-2.62	-1.25	-0.01	0.52	3.77
		-5.05	-1.30	-1.26e-03	0.0	160.0	11.63	-8.40	-1.25	-0.01	-1.30	-5.05
157	1	1.27	-0.01	-2.75e-05	-8.47	0.0	-0.18	4.32	-7.91e-03	1.17e-04	-0.01	-0.49
		-0.49	-0.02	5.49e-06	0.0	160.0	-0.18	-4.15	-7.91e-03	1.17e-04	-0.02	-0.35
157	2	1.26	8.18e-03	-2.36e-05	-8.47	0.0	-0.31	4.43	-0.04	1.32e-03	8.18e-03	-0.59
		-0.59	-0.06	8.59e-05	0.0	160.0	-0.31	-4.04	-0.04	1.32e-03	-0.06	-0.28
157	3	0.72	-7.24e-03	-1.49e-05	-4.81	0.0	-0.16	2.49	-7.62e-03	1.66e-04	-7.24e-03	-0.31
		-0.31	-0.02	8.85e-06	0.0	160.0	-0.16	-2.33	-7.62e-03	1.66e-04	-0.02	-0.18
157	4	0.71	0.01	-1.09e-05	-4.81	0.0	-0.29	2.59	-0.04	1.37e-03	0.01	-0.41
		-0.41	-0.05	8.93e-05	0.0	160.0	-0.29	-2.22	-0.04	1.37e-03	-0.05	-0.11
157	6	1.26	-1.03e-03	-2.49e-05	-8.47	0.0	-0.31	4.44	-0.03	1.00e-03	-1.03e-03	-0.60
		-0.60	-0.05	6.56e-05	0.0	160.0	-0.31	-4.03	-0.03	1.00e-03	-0.05	-0.27
157	9	0.86	-6.85e-03	-1.84e-05	-5.77	0.0	-0.13	2.95	-6.01e-03	1.10e-04	-6.85e-03	-0.34
		-0.34	-0.02	5.10e-06	0.0	160.0	-0.13	-2.83	-6.01e-03	1.10e-04	-0.02	-0.24
157	10	0.86	5.90e-03	-1.57e-05	-5.77	0.0	-0.22	3.02	-0.03	9.09e-04	5.90e-03	-0.40
		-0.40	-0.04	5.87e-05	0.0	160.0	-0.22	-2.76	-0.03	9.09e-04	-0.04	-0.20
157	12	0.86	-2.40e-04	-1.66e-05	-5.77	0.0	-0.22	3.03	-0.02	6.99e-04	-2.40e-04	-0.41
		-0.41	-0.04	4.51e-05	0.0	160.0	-0.22	-2.75	-0.02	6.99e-04	-0.04	-0.19
157	13	0.87	-3.37e-03	-1.82e-05	-5.77	0.0	-0.10	2.90	-3.59e-03	6.64e-05	-3.37e-03	-0.30
		-0.30	-9.12e-03	1.41e-06	0.0	160.0	-0.10	-2.87	-3.59e-03	6.64e-05	-9.12e-03	-0.28
157	14	0.86	3.00e-03	-1.69e-05	-5.77	0.0	-0.14	2.94	-0.01	4.66e-04	3.00e-03	-0.33
		-0.33	-0.02	2.82e-05	0.0	160.0	-0.14	-2.84	-0.01	4.66e-04	-0.02	-0.25
157	17	0.87	-3.37e-03	-1.82e-05	-5.77	0.0	-0.10	2.90	-3.59e-03	6.64e-05	-3.37e-03	-0.30
		-0.30	-9.12e-03	1.41e-06	0.0	160.0	-0.10	-2.87	-3.59e-03	6.64e-05	-9.12e-03	-0.28
157	18	0.86	4.52e-04	-1.74e-05	-5.77	0.0	-0.12	2.92	-0.01	3.06e-04	4.52e-04	-0.32
		-0.32	-0.02	1.74e-05	0.0	160.0	-0.12	-2.85	-0.01	3.06e-04	-0.02	-0.26
157	28	2.94	0.63	1.33e-04	-5.77	0.0	-5.35	6.95	-0.91	0.02	0.63	-3.55
		-3.55	-0.98	1.56e-03	0.0	160.0	-5.35	1.17	-0.91	0.02	-0.98	2.94
157	29	2.91	0.95	-1.31e-04	-5.77	0.0	5.11	-1.10	0.89	-0.02	-0.63	2.91
		-3.47	-0.63	-1.53e-03	0.0	160.0	5.11	-6.88	0.89	-0.02	0.95	-3.47
157	40	3.60	-0.26	-1.12e-04	-5.77	0.0	-7.38	7.77	-0.67	0.02	-0.26	-4.21
		-4.21	-0.91	1.55e-03	0.0	160.0	-7.38	2.00	-0.67	0.02	-0.91	3.60
157	41	3.57	0.88	1.10e-04	-5.77	0.0	7.13	-1.93	0.65	-0.02	0.26	3.57
		-4.13	0.26	-1.52e-03	0.0	160.0	7.13	-7.70	0.65	-0.02	0.88	-4.13
157	60	2.16	0.48	9.91e-05	-5.77	0.0	-4.17	5.96	-0.73	0.01	0.48	-2.76
		-2.76	-0.78	1.18e-03	0.0	160.0	-4.17	0.18	-0.73	0.01	-0.78	2.16
157	61	2.12	0.75	-9.76e-05	-5.77	0.0	3.92	-0.12	0.71	-0.01	-0.48	2.12
		-2.69	-0.48	-1.15e-03	0.0	160.0	3.92	-5.89	0.71	-0.01	0.75	-2.69
157	72	2.65	-0.19	-8.48e-05	-5.77	0.0	-5.71	6.58	-0.54	0.01	-0.19	-3.25
		-3.25	-0.71	1.18e-03	0.0	160.0	-5.71	0.80	-0.54	0.01	-0.71	2.65
157	73	2.61	0.68	8.12e-05	-5.77	0.0	5.46	-0.73	0.52	-0.01	0.19	2.61
		-3.18	0.19	-1.15e-03	0.0	160.0	5.46	-6.51	0.52	-0.01	0.68	-3.18
157	92	1.89	0.43	8.79e-05	-5.77	0.0	-3.73	5.62	-0.66	0.01	0.43	-2.48
		-2.48	-0.70	1.05e-03	0.0	160.0	-3.73	-0.16	-0.66	0.01	-0.70	1.89
157	93	1.85	0.67	-8.64e-05	-5.77	0.0	3.49	0.23	0.64	-0.01	-0.43	1.84
		-2.41	-0.43	-1.02e-03	0.0	160.0	3.49	-5.55	0.64	-0.01	0.67	-2.41
157	104	2.33	-0.17	-7.58e-05	-5.77	0.0	-5.11	6.17	-0.48	0.01	-0.17	-2.92
		-2.92	-0.63	1.05e-03	0.0	160.0	-5.11	0.39	-0.48	0.01	-0.63	2.33
157	105	2.28	0.60	7.20e-05	-5.77	0.0	4.86	-0.32	0.46	-0.01	0.17	2.28
		-2.85	0.17	-1.02e-03	0.0	160.0	4.86	-6.10	0.46	-0.01	0.60	-2.85
157	124	3.58	0.74	1.58e-04	-5.77	0.0	-6.36	7.75	-1.06	0.02	0.74	-4.19
		-4.19	-1.16	1.88e-03	0.0	160.0	-6.36	1.97	-1.06	0.02	-1.16	3.58
157	125	3.55	1.13	-1.57e-04	-5.77	0.0	6.11	-1.90	1.04	-0.02	-0.74	3.55
		-4.11	-0.74	-1.84e-03	0.0	160.0	6.11	-7.68	1.04	-0.02	1.13	-4.11
157	136	4.40	-0.30	-1.34e-04	-5.77	0.0	-8.81	8.76	-0.78	0.02	-0.30	-5.01
		-5.01	-1.09	1.87e-03	0.0	160.0	-8.81	2.99	-0.78	0.02	-1.09	4.40
157	137	4.37	1.06	1.32e-04	-5.77	0.0	8.56	-2.92	0.76	-0.02	0.30	4.37
		-4.92	0.30	-1.84e-03	0.0	160.0	8.56	-8.69	0.76	-0.02	1.06	-4.92
158	1	1.42	5.53e-03	-9.69e-05	-8.47	0.0	-0.04	4.83	0.02	-3.12e-04	-0.02	-0.78
		-0.78	-0.02	-3.35e-05	0.0	160.0	-0.04	-3.63	0.02	-3.12e-04	5.53e-03	0.18

158	2	1.51	0.05	-1.29e-04	-8.47	0.0	-0.09	5.18	0.07	2.87e-04	-0.06	-1.02
		-1.02	-0.06	-2.59e-06	0.0	160.0	-0.09	-3.28	0.07	2.87e-04	0.05	0.50
158	8	0.93	0.03	-9.13e-05	-4.81	0.0	-0.10	3.16	0.05	1.78e-04	-0.05	-0.73
		-0.73	-0.05	-1.05e-05	0.0	160.0	-0.10	-1.65	0.05	1.78e-04	0.03	0.48
158	9	0.97	4.92e-03	-7.25e-05	-5.77	0.0	-0.03	3.33	0.01	-1.72e-04	-0.02	-0.56
		-0.56	-0.02	-2.20e-05	0.0	160.0	-0.03	-2.45	0.01	-1.72e-04	4.92e-03	0.15
158	10	1.04	0.04	-9.40e-05	-5.77	0.0	-0.07	3.56	0.05	2.28e-04	-0.04	-0.72
		-0.72	-0.04	-1.39e-06	0.0	160.0	-0.07	-2.21	0.05	2.28e-04	0.04	0.36
158	12	1.03	0.02	-8.70e-05	-5.77	0.0	-0.07	3.53	0.04	4.56e-05	-0.04	-0.69
		-0.69	-0.04	-1.35e-05	0.0	160.0	-0.07	-2.25	0.04	4.56e-05	0.02	0.33
158	13	0.96	8.80e-03	-7.34e-05	-5.77	0.0	-0.01	3.27	0.01	-7.84e-05	-9.24e-03	-0.53
		-0.53	-9.24e-03	-1.30e-05	0.0	160.0	-0.01	-2.50	0.01	-7.84e-05	8.80e-03	0.09
158	14	0.98	0.02	-8.41e-05	-5.77	0.0	-0.03	3.39	0.03	1.21e-04	-0.02	-0.61
		-0.61	-0.02	-2.68e-06	0.0	160.0	-0.03	-2.39	0.03	1.21e-04	0.02	0.20
158	17	0.96	8.80e-03	-7.34e-05	-5.77	0.0	-0.01	3.27	0.01	-7.84e-05	-9.24e-03	-0.53
		-0.53	-9.24e-03	-1.30e-05	0.0	160.0	-0.01	-2.50	0.01	-7.84e-05	8.80e-03	0.09
158	18	0.97	0.02	-7.99e-05	-5.77	0.0	-0.02	3.34	0.02	4.14e-05	-0.02	-0.57
		-0.57	-0.02	-6.81e-06	0.0	160.0	-0.02	-2.43	0.02	4.14e-05	0.02	0.15
158	19	2.04	1.23	-1.30e-04	-5.77	0.0	-0.65	5.19	0.64	-6.42e-03	-0.48	-1.70
		-1.70	-0.48	7.07e-04	0.0	160.0	-0.65	-0.58	0.64	-6.42e-03	1.23	2.00
158	22	0.86	0.45	-3.11e-05	-5.77	0.0	0.61	1.49	-0.59	6.50e-03	0.45	0.55
		-1.69	-1.20	-7.20e-04	0.0	160.0	0.61	-4.28	-0.59	6.50e-03	-1.20	-1.69
158	40	6.73	-0.64	-8.11e-05	-5.77	0.0	-4.90	10.05	-0.11	-8.78e-03	-0.92	-4.73
		-4.73	-0.92	9.57e-04	0.0	160.0	-4.90	4.27	-0.11	-8.78e-03	-0.64	6.73
158	41	3.58	0.88	-1.30e-04	-5.77	0.0	4.86	-3.36	0.15	8.87e-03	0.88	3.58
		-6.42	0.68	-9.70e-04	0.0	160.0	4.86	-9.14	0.15	8.87e-03	0.68	-6.42
158	51	1.69	0.92	-1.16e-04	-5.77	0.0	-0.55	4.73	0.52	-4.81e-03	-0.39	-1.42
		-1.42	-0.39	4.89e-04	0.0	160.0	-0.55	-1.04	0.52	-4.81e-03	0.92	1.54
158	54	0.80	0.35	-4.48e-05	-5.77	0.0	0.50	1.95	-0.48	4.89e-03	0.35	0.27
		-1.23	-0.88	-5.02e-04	0.0	160.0	0.50	-3.82	-0.48	4.89e-03	-0.88	-1.23
158	72	5.13	-0.46	-7.95e-05	-5.77	0.0	-3.76	8.42	-0.08	-6.47e-03	-0.71	-3.72
		-3.72	-0.71	6.81e-04	0.0	160.0	-3.76	2.64	-0.08	-6.47e-03	-0.46	5.13
158	73	2.57	0.68	-1.17e-04	-5.77	0.0	3.72	-1.73	0.12	6.55e-03	0.68	2.57
		-4.82	0.50	-6.95e-04	0.0	160.0	3.72	-7.50	0.12	6.55e-03	0.50	-4.82
158	83	1.58	0.82	-1.12e-04	-5.77	0.0	-0.50	4.58	0.47	-4.26e-03	-0.35	-1.33
		-1.33	-0.35	4.28e-04	0.0	160.0	-0.50	-1.20	0.47	-4.26e-03	0.82	1.38
158	86	0.79	0.31	-4.89e-05	-5.77	0.0	0.45	2.11	-0.42	4.34e-03	0.31	0.18
		-1.07	-0.78	-4.42e-04	0.0	160.0	0.45	-3.66	-0.42	4.34e-03	-0.78	-1.07
158	104	4.57	-0.41	-7.87e-05	-5.77	0.0	-3.36	7.85	-0.06	-5.72e-03	-0.63	-3.37
		-3.37	-0.63	6.00e-04	0.0	160.0	-3.36	2.07	-0.06	-5.72e-03	-0.41	4.57
158	105	2.22	0.60	-1.13e-04	-5.77	0.0	3.31	-1.16	0.11	5.80e-03	0.60	2.22
		-4.26	0.44	-6.13e-04	0.0	160.0	3.31	-6.94	0.11	5.80e-03	0.44	-4.26
158	115	2.37	1.46	-1.40e-04	-5.77	0.0	-0.75	5.57	0.74	-7.67e-03	-0.56	-1.93
		-1.93	-0.56	8.62e-04	0.0	160.0	-0.75	-0.21	0.74	-7.67e-03	1.46	2.37
158	118	0.95	0.53	-2.13e-05	-5.77	0.0	0.70	1.12	-0.70	7.75e-03	0.53	0.78
		-2.06	-1.43	-8.76e-04	0.0	160.0	0.70	-4.66	-0.70	7.75e-03	-1.43	-2.06
158	136	8.08	-0.78	-8.29e-05	-5.77	0.0	-5.88	11.43	-0.14	-0.01	-1.09	-5.59
		-5.59	-1.09	1.16e-03	0.0	160.0	-5.88	5.65	-0.14	-0.01	-0.78	8.08
158	137	4.44	1.06	-1.40e-04	-5.77	0.0	5.84	-4.74	0.18	0.01	1.06	4.44
		-7.77	0.82	-1.18e-03	0.0	160.0	5.84	-10.52	0.18	0.01	0.82	-7.77
159	1	1.36	3.24e-03	-1.21e-04	-8.47	0.0	0.39	4.51	-7.67e-03	-4.75e-04	3.24e-03	-0.56
		-0.56	-9.04e-03	-2.44e-05	0.0	160.0	0.39	-3.96	-7.67e-03	-4.75e-04	-9.04e-03	-0.12
159	2	1.30	0.03	-1.56e-04	-8.47	0.0	0.51	4.14	-0.01	-3.42e-04	0.03	-0.32
		-0.47	8.91e-03	2.38e-05	0.0	160.0	0.51	-4.33	-0.01	-3.42e-04	8.91e-03	-0.47
159	3	0.76	4.95e-03	-8.19e-05	-4.81	0.0	0.23	2.59	-5.66e-03	-4.63e-04	4.95e-03	-0.35
		-0.35	-4.12e-03	-1.99e-05	0.0	160.0	0.23	-2.23	-5.66e-03	-4.63e-04	-4.12e-03	-0.06
159	4	0.71	0.03	-1.16e-04	-4.81	0.0	0.35	2.23	-9.40e-03	-3.30e-04	0.03	-0.11
		-0.40	0.01	2.83e-05	0.0	160.0	0.35	-2.59	-9.40e-03	-3.30e-04	0.01	-0.40
159	5	1.36	7.02e-03	-1.21e-04	-8.47	0.0	0.42	4.50	-0.01	-6.82e-04	7.02e-03	-0.55
		-0.55	-0.01	-3.65e-05	0.0	160.0	0.42	-3.97	-0.01	-6.82e-04	-0.01	-0.12
159	9	0.92	2.41e-03	-8.85e-05	-5.77	0.0	0.26	3.09	-4.82e-03	-3.45e-04	2.41e-03	-0.39
		-0.39	-5.30e-03	-1.56e-05	0.0	160.0	0.26	-2.69	-4.82e-03	-3.45e-04	-5.30e-03	-0.08
159	10	0.88	0.02	-1.12e-04	-5.77	0.0	0.34	2.84	-7.31e-03	-2.56e-04	0.02	-0.24
		-0.31	6.66e-03	1.66e-05	0.0	160.0	0.34	-2.93	-7.31e-03	-2.56e-04	6.66e-03	-0.31
159	11	0.92	4.93e-03	-8.81e-05	-5.77	0.0	0.28	3.08	-6.96e-03	-4.83e-04	4.93e-03	-0.39
		-0.39	-6.21e-03	-2.37e-05	0.0	160.0	0.28	-2.69	-6.96e-03	-4.83e-04	-6.21e-03	-0.08
159	13	0.92	-1.38e-03	-8.92e-05	-5.77	0.0	0.24	3.09	-1.60e-03	-1.37e-04	-1.38e-03	-0.40
		-0.40	-3.94e-03	-3.46e-06	0.0	160.0	0.24	-2.68	-1.60e-03	-1.37e-04	-3.94e-03	-0.07
159	14	0.90	6.60e-03	-1.01e-04	-5.77	0.0	0.28	2.97	-2.85e-03	-9.28e-05	6.60e-03	-0.32
		-0.32	2.04e-03	1.26e-05	0.0	160.0	0.28	-2.80	-2.85e-03	-9.28e-05	2.04e-03	-0.19
159	15	0.92	-1.16e-04	-8.90e-05	-5.77	0.0	0.25	3.09	-2.68e-03	-2.06e-04	-1.16e-04	-0.40
		-0.40	-4.40e-03	-7.50e-06	0.0	160.0	0.25	-2.69	-2.68e-03	-2.06e-04	-4.40e-03	-0.07
159	17	0.92	-1.38e-03	-8.92e-05	-5.77	0.0	0.24	3.09	-1.60e-03	-1.37e-04	-1.38e-03	-0.40
		-0.40	-3.94e-03	-3.46e-06	0.0	160.0	0.24	-2.68	-1.60e-03	-1.37e-04	-3.94e-03	-0.07
159	18	0.91	3.41e-03	-9.61e-05	-5.77	0.0	0.26	3.02	-2.35e-03	-1.11e-04	3.41e-03	-0.35

		-0.35	-3.54e-04	6.18e-06	0.0	160.0	0.26	-2.76	-2.35e-03	-1.11e-04	-3.54e-04	-0.14
159	28	4.41	1.73	-1.71e-04	-5.77	0.0	-15.92	-4.10	0.85	0.02	0.88	4.41
		-6.77	0.88	-1.88e-03	0.0	160.0	-15.92	-9.87	0.85	0.02	1.73	-6.77
159	29	6.49	-0.88	-6.85e-05	-5.77	0.0	16.44	10.14	-0.86	-0.02	-0.88	-5.11
		-5.11	-1.73	1.89e-03	0.0	160.0	16.44	4.36	-0.86	-0.02	-1.73	6.49
159	36	3.88	1.98	-1.12e-04	-5.77	0.0	-12.88	-3.30	0.90	-0.02	0.82	3.88
		-6.02	0.82	-2.62e-03	0.0	160.0	-12.88	-9.07	0.90	-0.02	1.98	-6.02
159	37	5.73	-0.81	-1.07e-04	-5.77	0.0	13.41	9.34	-0.91	0.02	-0.81	-4.59
		-4.59	-1.98	2.63e-03	0.0	160.0	13.41	3.56	-0.91	0.02	-1.98	5.73
159	60	3.17	1.30	-1.51e-04	-5.77	0.0	-11.70	-2.24	0.66	0.01	0.68	3.17
		-5.04	0.68	-1.33e-03	0.0	160.0	-11.70	-8.02	0.66	0.01	1.30	-5.04
159	61	4.76	-0.68	-7.25e-05	-5.77	0.0	12.23	8.28	-0.66	-0.01	-0.68	-3.87
		-3.87	-1.30	1.35e-03	0.0	160.0	12.23	2.50	-0.66	-0.01	-1.30	4.76
159	68	2.81	1.46	-1.08e-04	-5.77	0.0	-9.51	-1.70	0.68	-0.01	0.62	2.81
		-4.52	0.62	-1.88e-03	0.0	160.0	-9.51	-7.47	0.68	-0.01	1.46	-4.52
159	69	4.24	-0.61	-1.02e-04	-5.77	0.0	10.03	7.73	-0.69	0.01	-0.61	-3.52
		-3.52	-1.46	1.89e-03	0.0	160.0	10.03	1.96	-0.69	0.01	-1.46	4.24
159	92	2.76	1.15	-1.45e-04	-5.77	0.0	-10.34	-1.64	0.58	9.85e-03	0.61	2.76
		-4.48	0.61	-1.17e-03	0.0	160.0	-10.34	-7.41	0.58	9.85e-03	1.15	-4.48
159	93	4.19	-0.60	-7.40e-05	-5.77	0.0	10.86	7.68	-0.59	-0.01	-0.60	-3.47
		-3.47	-1.15	1.19e-03	0.0	160.0	10.86	1.90	-0.59	-0.01	-1.15	4.19
159	100	2.45	1.29	-1.07e-04	-5.77	0.0	-8.40	-1.16	0.60	-0.01	0.55	2.45
		-4.03	0.55	-1.66e-03	0.0	160.0	-8.40	-6.94	0.60	-0.01	1.29	-4.03
159	101	3.74	-0.54	-1.00e-04	-5.77	0.0	8.92	7.20	-0.61	0.01	-0.54	-3.16
		-3.16	-1.29	1.67e-03	0.0	160.0	8.92	1.42	-0.61	0.01	-1.29	3.74
159	124	5.40	2.06	-1.86e-04	-5.77	0.0	-19.29	-5.59	1.01	0.02	1.04	5.40
		-8.16	1.04	-2.30e-03	0.0	160.0	-19.29	-11.37	1.01	0.02	2.06	-8.16
159	125	7.88	-1.04	-6.58e-05	-5.77	0.0	19.81	11.63	-1.02	-0.02	-1.04	-6.11
		-6.11	-2.07	2.31e-03	0.0	160.0	19.81	5.86	-1.02	-0.02	-2.07	7.88
159	132	4.76	2.37	-1.15e-04	-5.77	0.0	-15.61	-4.61	1.08	-0.02	0.97	4.76
		-7.24	0.97	-3.17e-03	0.0	160.0	-15.61	-10.39	1.08	-0.02	2.37	-7.24
159	133	6.95	-0.96	-1.12e-04	-5.77	0.0	16.14	10.65	-1.08	0.02	-0.96	-5.47
		-5.47	-2.37	3.18e-03	0.0	160.0	16.14	4.87	-1.08	0.02	-2.37	6.95
160	2	9.57	7.12	6.05e-04	-6.35	0.0	0.03	-3.16	-5.44	0.03	7.12	9.57
		1.97	0.60	8.13e-04	0.0	120.0	0.03	-9.51	-5.44	0.03	0.60	1.97
160	3	3.68	1.20	2.49e-04	-3.61	0.0	9.16e-03	-0.74	-0.91	4.49e-03	1.20	3.68
		0.62	0.11	1.20e-04	0.0	120.0	9.16e-03	-4.35	-0.91	4.49e-03	0.11	0.62
160	7	3.67	1.16	2.48e-04	-3.61	0.0	0.01	-0.73	-0.87	4.35e-03	1.16	3.67
		0.62	0.12	1.02e-04	0.0	120.0	0.01	-4.35	-0.87	4.35e-03	0.12	0.62
160	9	4.26	1.20	2.87e-04	-4.33	0.0	7.84e-03	-0.80	-0.90	4.47e-03	1.20	4.26
		0.71	0.11	1.26e-04	0.0	120.0	7.84e-03	-5.13	-0.90	4.47e-03	0.11	0.71
160	10	6.57	4.93	4.17e-04	-4.33	0.0	0.02	-2.18	-3.76	0.02	4.93	6.57
		1.36	0.41	5.63e-04	0.0	120.0	0.02	-6.51	-3.76	0.02	0.41	1.36
160	11	4.25	1.17	2.86e-04	-4.33	0.0	0.01	-0.79	-0.88	4.37e-03	1.17	4.25
		0.70	0.11	1.14e-04	0.0	120.0	0.01	-5.12	-0.88	4.37e-03	0.11	0.70
160	13	4.27	1.24	2.88e-04	-4.33	0.0	4.54e-03	-0.81	-0.94	4.62e-03	1.24	4.27
		0.71	0.11	1.44e-04	0.0	120.0	4.54e-03	-5.14	-0.94	4.62e-03	0.11	0.71
160	14	5.43	3.10	3.53e-04	-4.33	0.0	9.68e-03	-1.50	-2.37	0.01	3.10	5.43
		1.03	0.26	3.63e-04	0.0	120.0	9.68e-03	-5.83	-2.37	0.01	0.26	1.03
160	15	4.27	1.22	2.87e-04	-4.33	0.0	5.64e-03	-0.80	-0.93	4.57e-03	1.22	4.27
		0.71	0.11	1.38e-04	0.0	120.0	5.64e-03	-5.13	-0.93	4.57e-03	0.11	0.71
160	17	4.27	1.24	2.88e-04	-4.33	0.0	4.54e-03	-0.81	-0.94	4.62e-03	1.24	4.27
		0.71	0.11	1.44e-04	0.0	120.0	4.54e-03	-5.14	-0.94	4.62e-03	0.11	0.71
160	18	4.97	2.36	3.27e-04	-4.33	0.0	7.63e-03	-1.22	-1.80	9.45e-03	2.36	4.97
		0.90	0.20	2.75e-04	0.0	120.0	7.63e-03	-5.55	-1.80	9.45e-03	0.20	0.90
160	28	8.76	14.07	5.52e-04	-4.33	0.0	-0.05	-3.75	-11.79	0.06	14.07	8.76
		1.39	-0.14	3.32e-03	0.0	120.0	-0.05	-8.08	-11.79	0.06	-0.14	1.39
160	29	1.50	0.54	1.02e-04	-4.33	0.0	0.06	1.31	8.19	-0.04	-9.36	1.17
		0.42	-9.36	-2.77e-03	0.0	120.0	0.06	-3.02	8.19	-0.04	0.54	0.42
160	30	2.44	0.41	1.76e-04	-4.33	0.0	-0.55	0.50	4.78	-0.02	-5.39	2.43
		0.11	-5.39	-1.93e-03	0.0	120.0	-0.55	-3.83	4.78	-0.02	0.41	0.11
160	36	7.74	11.11	4.93e-04	-4.33	0.0	-1.10	-3.01	-9.32	0.04	11.11	7.74
		0.54	-0.08	2.17e-03	0.0	120.0	-1.10	-7.34	-9.32	0.04	-0.08	0.54
160	37	2.46	0.48	1.61e-04	-4.33	0.0	1.11	0.57	5.72	-0.03	-6.40	2.19
		1.27	-6.40	-1.62e-03	0.0	120.0	1.11	-3.76	5.72	-0.03	0.48	1.27
160	60	7.77	11.02	4.93e-04	-4.33	0.0	2.88e-03	-3.10	-9.17	0.04	11.02	7.77
		1.26	-0.05	2.51e-03	0.0	120.0	2.88e-03	-7.43	-9.17	0.04	-0.05	1.26
160	61	2.25	0.46	1.61e-04	-4.33	0.0	0.01	0.66	5.58	-0.03	-6.30	2.16
		0.55	-6.30	-1.96e-03	0.0	120.0	0.01	-3.67	5.58	-0.03	0.46	0.55
160	62	3.09	0.36	2.15e-04	-4.33	0.0	-0.41	0.07	3.05	-0.01	-3.37	3.09
		0.32	-3.37	-1.35e-03	0.0	120.0	-0.41	-4.26	3.05	-0.01	0.36	0.32
160	68	7.02	8.85	4.49e-04	-4.33	0.0	-0.76	-2.55	-7.37	0.04	8.85	7.02
		0.64	-9.57e-03	1.67e-03	0.0	120.0	-0.76	-6.88	-7.37	0.04	-9.57e-03	0.64
160	69	2.98	0.41	2.04e-04	-4.33	0.0	0.77	0.11	3.78	-0.02	-4.13	2.91
		1.17	-4.13	-1.12e-03	0.0	120.0	0.77	-4.22	3.78	-0.02	0.41	1.17

160	92	7.45	10.03	4.74e-04	-4.33	0.0	6.98e-03	-2.89	-8.33	0.04	10.03	7.45
		1.22	-0.03	2.26e-03	0.0	120.0	6.98e-03	-7.22	-8.33	0.04	-0.03	1.22
160	93	2.53	0.43	1.80e-04	-4.33	0.0	8.27e-03	0.45	4.74	-0.02	-5.31	2.48
		0.59	-5.31	-1.71e-03	0.0	120.0	8.27e-03	-3.88	4.74	-0.02	0.43	0.59
160	94	3.30	0.34	2.28e-04	-4.33	0.0	-0.36	-0.08	2.50	-0.01	-2.71	3.30
		0.39	-2.71	-1.16e-03	0.0	120.0	-0.36	-4.41	2.50	-0.01	0.34	0.39
160	100	6.79	8.10	4.35e-04	-4.33	0.0	-0.67	-2.40	-6.73	0.03	8.10	6.79
		0.67	0.01	1.51e-03	0.0	120.0	-0.67	-6.73	-6.73	0.03	0.01	0.67
160	101	3.18	0.39	2.18e-04	-4.33	0.0	0.68	-0.04	3.14	-0.01	-3.39	3.15
		1.14	-3.39	-9.56e-04	0.0	120.0	0.68	-4.37	3.14	-0.01	0.39	1.14
160	124	9.54	16.48	5.99e-04	-4.33	0.0	-0.08	-4.27	-13.85	0.07	16.48	9.54
		1.49	-0.20	3.93e-03	0.0	120.0	-0.08	-8.60	-13.85	0.07	-0.20	1.49
160	125	1.01	0.60	5.50e-05	-4.33	0.0	0.10	1.83	10.25	-0.05	-11.77	0.40
		0.32	-11.77	-3.38e-03	0.0	120.0	0.10	-2.50	10.25	-0.05	0.60	0.32
160	126	1.95	0.45	1.45e-04	-4.33	0.0	-0.67	0.85	6.14	-0.03	-6.98	1.91
		-0.06	-6.98	-2.37e-03	0.0	120.0	-0.67	-3.48	6.14	-0.03	0.45	-0.06
160	132	8.31	12.91	5.27e-04	-4.33	0.0	-1.37	-3.38	-10.87	0.05	12.91	8.31
		0.46	-0.14	2.55e-03	0.0	120.0	-1.37	-7.72	-10.87	0.05	-0.14	0.46
160	133	2.14	0.54	1.26e-04	-4.33	0.0	1.38	0.94	7.27	-0.03	-8.20	1.62
		1.35	-8.20	-2.00e-03	0.0	120.0	1.38	-3.39	7.27	-0.03	0.54	1.35
161	2	9.81	7.12	7.74e-06	-1.06	0.0	0.03	-0.68	13.04	0.03	4.51	9.81
		9.57	4.51	-3.54e-05	0.0	20.0	0.03	-1.74	13.04	0.03	7.12	9.57
161	3	3.72	1.20	5.00e-06	-0.60	0.0	8.97e-03	0.12	2.46	4.49e-03	0.71	3.72
		3.68	0.71	-8.89e-06	0.0	20.0	8.97e-03	-0.49	2.46	4.49e-03	1.20	3.68
161	7	3.71	1.16	4.96e-06	-0.60	0.0	0.01	0.12	2.50	4.35e-03	0.66	3.70
		3.67	0.66	-1.10e-05	0.0	20.0	0.01	-0.48	2.50	4.35e-03	1.16	3.67
161	9	4.30	1.20	5.44e-06	-0.72	0.0	7.66e-03	0.18	2.47	4.47e-03	0.70	4.30
		4.26	0.70	-7.71e-06	0.0	20.0	7.66e-03	-0.54	2.47	4.47e-03	1.20	4.26
161	10	6.74	4.93	5.61e-06	-0.72	0.0	0.02	-0.48	9.01	0.02	3.13	6.74
		6.57	3.13	-2.44e-05	0.0	20.0	0.02	-1.20	9.01	0.02	4.93	6.57
161	11	4.29	1.17	5.41e-06	-0.72	0.0	9.84e-03	0.19	2.49	4.37e-03	0.67	4.29
		4.25	0.67	-9.10e-06	0.0	20.0	9.84e-03	-0.53	2.49	4.37e-03	1.17	4.25
161	13	4.32	1.24	5.48e-06	-0.72	0.0	4.39e-03	0.17	2.43	4.62e-03	0.75	4.31
		4.27	0.75	-5.62e-06	0.0	20.0	4.39e-03	-0.55	2.43	4.62e-03	1.24	4.27
161	14	5.53	3.10	5.56e-06	-0.72	0.0	9.30e-03	-0.16	5.70	0.01	1.96	5.53
		5.43	1.96	-1.40e-05	0.0	20.0	9.30e-03	-0.88	5.70	0.01	3.10	5.43
161	15	4.31	1.22	5.46e-06	-0.72	0.0	5.48e-03	0.18	2.44	4.57e-03	0.74	4.31
		4.27	0.74	-6.31e-06	0.0	20.0	5.48e-03	-0.55	2.44	4.57e-03	1.22	4.27
161	17	4.32	1.24	5.48e-06	-0.72	0.0	4.39e-03	0.17	2.43	4.62e-03	0.75	4.31
		4.27	0.75	-5.62e-06	0.0	20.0	4.39e-03	-0.55	2.43	4.62e-03	1.24	4.27
161	18	5.04	2.36	5.53e-06	-0.72	0.0	7.33e-03	-0.02	4.39	9.45e-03	1.48	5.04
		4.97	1.48	-1.06e-05	0.0	20.0	7.33e-03	-0.75	4.39	9.45e-03	2.36	4.97
161	28	9.33	15.08	8.67e-06	-0.72	0.0	-0.17	-2.51	-5.71	0.06	15.08	9.33
		8.75	14.07	2.09e-04	0.0	20.0	-0.17	-3.24	-5.71	0.06	14.07	8.75
161	29	1.18	-9.36	2.38e-06	-0.72	0.0	0.18	2.47	14.49	-0.04	-12.12	0.76
		0.76	-12.12	-2.30e-04	0.0	20.0	0.18	1.74	14.49	-0.04	-9.36	1.18
161	36	8.18	11.66	7.82e-06	-0.72	0.0	-2.10	-1.79	-2.99	0.04	11.66	8.18
		7.75	11.11	9.14e-05	0.0	20.0	-2.10	-2.52	-2.99	0.04	11.11	7.75
161	37	2.18	-6.40	3.23e-06	-0.72	0.0	2.12	1.75	11.77	-0.03	-8.71	1.91
		1.91	-8.71	-1.13e-04	0.0	20.0	2.12	1.02	11.77	-0.03	-6.40	2.18
161	60	8.22	11.50	7.80e-06	-0.72	0.0	-0.04	-1.87	-3.17	0.04	11.50	8.22
		7.77	11.02	1.51e-04	0.0	20.0	-0.04	-2.60	-3.17	0.04	11.02	7.77
161	61	2.16	-6.30	3.25e-06	-0.72	0.0	0.06	1.82	11.95	-0.03	-8.54	1.87
		1.87	-8.54	-1.73e-04	0.0	20.0	0.06	1.10	11.95	-0.03	-6.30	2.16
161	68	7.36	9.02	7.15e-06	-0.72	0.0	-1.41	-1.33	-1.11	0.04	9.02	7.36
		7.03	8.85	6.36e-05	0.0	20.0	-1.41	-2.06	-1.11	0.04	8.85	7.03
161	69	2.91	-4.13	3.90e-06	-0.72	0.0	1.43	1.28	9.89	-0.02	-6.06	2.72
		2.72	-6.06	-8.48e-05	0.0	20.0	1.43	0.56	9.89	-0.02	-4.13	2.91
161	92	7.86	10.35	7.53e-06	-0.72	0.0	-0.03	-1.66	-2.31	0.04	10.35	7.86
		7.45	10.03	1.33e-04	0.0	20.0	-0.03	-2.38	-2.31	0.04	10.03	7.45
161	93	2.48	-5.31	3.52e-06	-0.72	0.0	0.05	1.61	11.09	-0.02	-7.39	2.23
		2.23	-7.39	-1.54e-04	0.0	20.0	0.05	0.89	11.09	-0.02	-5.31	2.48
161	100	7.10	8.16	6.96e-06	-0.72	0.0	-1.24	-1.18	-0.49	0.03	8.16	7.10
		6.79	8.10	5.48e-05	0.0	20.0	-1.24	-1.91	-0.49	0.03	8.10	6.79
161	101	3.14	-3.39	4.10e-06	-0.72	0.0	1.26	1.13	9.27	-0.01	-5.20	2.99
		2.99	-5.20	-7.61e-05	0.0	20.0	1.26	0.41	9.27	-0.01	-3.39	3.14
161	124	10.21	17.89	9.33e-06	-0.72	0.0	-0.25	-3.02	-7.76	0.07	17.89	10.21
		9.53	16.48	2.52e-04	0.0	20.0	-0.25	-3.74	-7.76	0.07	16.48	9.53
161	125	0.40	-11.77	1.73e-06	-0.72	0.0	0.27	2.97	16.54	-0.05	-14.93	-0.12
		-0.12	-14.93	-2.74e-04	0.0	20.0	0.27	2.25	16.54	-0.05	-11.77	0.40
161	132	8.83	13.77	8.29e-06	-0.72	0.0	-2.64	-2.16	-4.50	0.05	13.77	8.83
		8.33	12.91	1.12e-04	0.0	20.0	-2.64	-2.88	-4.50	0.05	12.91	8.33
161	133	1.61	-8.20	2.77e-06	-0.72	0.0	2.65	2.11	13.28	-0.03	-10.81	1.26
		1.26	-10.81	-1.33e-04	0.0	20.0	2.65	1.39	13.28	-0.03	-8.20	1.61
162	2	0.67	8.70e-03	-8.13e-05	-8.47	0.0	-9.46	3.49	0.02	-8.12e-04	-0.02	-0.48

		-1.66	-0.02	-6.95e-05	0.0	160.0	-9.46	-4.97	0.02	-8.12e-04	8.70e-03	-1.66
162	5	1.15	0.01	-4.24e-05	-8.47	0.0	-2.29	4.06	4.15e-03	-8.59e-04	7.16e-03	-0.40
		-0.68	7.16e-03	-9.07e-05	0.0	160.0	-2.29	-4.41	4.15e-03	-8.59e-04	0.01	-0.68
162	6	0.81	0.01	-7.49e-05	-8.47	0.0	-7.28	3.68	0.01	-1.06e-03	-7.66e-03	-0.47
		-1.35	-7.66e-03	-1.01e-04	0.0	160.0	-7.28	-4.78	0.01	-1.06e-03	0.01	-1.35
162	7	0.62	0.01	-3.79e-05	-4.81	0.0	-1.76	2.31	3.10e-03	-8.51e-04	8.84e-03	-0.26
		-0.42	8.84e-03	-9.13e-05	0.0	160.0	-1.76	-2.51	3.10e-03	-8.51e-04	0.01	-0.42
162	10	0.45	5.86e-03	-5.71e-05	-5.77	0.0	-6.56	2.38	0.01	-5.44e-04	-0.01	-0.33
		-1.15	-0.01	-4.65e-05	0.0	160.0	-6.56	-3.40	0.01	-5.44e-04	5.86e-03	-1.15
162	11	0.77	9.27e-03	-2.99e-05	-5.77	0.0	-1.78	2.75	3.12e-03	-5.75e-04	4.28e-03	-0.28
		-0.50	4.28e-03	-6.06e-05	0.0	160.0	-1.78	-3.02	3.12e-03	-5.75e-04	9.27e-03	-0.50
162	12	0.54	9.40e-03	-5.28e-05	-5.77	0.0	-5.11	2.50	9.38e-03	-7.08e-04	-5.60e-03	-0.33
		-0.94	-5.60e-03	-6.78e-05	0.0	160.0	-5.11	-3.27	9.38e-03	-7.08e-04	9.40e-03	-0.94
162	14	0.60	3.80e-04	-2.69e-05	-5.77	0.0	-4.22	2.53	7.48e-03	-1.18e-04	-0.01	-0.28
		-0.86	-0.01	-4.86e-06	0.0	160.0	-4.22	-3.25	7.48e-03	-1.18e-04	3.80e-04	-0.86
162	15	0.76	2.08e-03	-2.09e-05	-5.77	0.0	-1.83	2.71	3.03e-03	-1.33e-04	-2.77e-03	-0.26
		-0.53	-2.77e-03	-1.19e-05	0.0	160.0	-1.83	-3.06	3.03e-03	-1.33e-04	2.08e-03	-0.53
162	16	0.67	2.14e-03	-2.50e-05	-5.77	0.0	-3.25	2.61	5.71e-03	-1.90e-04	-7.00e-03	-0.28
		-0.72	-7.00e-03	-1.50e-05	0.0	160.0	-3.25	-3.17	5.71e-03	-1.90e-04	2.14e-03	-0.72
162	17	0.76	2.87e-04	-1.88e-05	-5.77	0.0	-1.84	2.70	3.01e-03	-2.31e-05	-4.53e-03	-0.25
		-0.54	-4.53e-03	0.0	0.0	160.0	-1.84	-3.07	3.01e-03	-2.31e-05	2.87e-04	-0.54
162	18	0.66	3.43e-04	-2.26e-05	-5.77	0.0	-3.27	2.60	5.69e-03	-8.00e-05	-8.76e-03	-0.27
		-0.73	-8.76e-03	-2.81e-06	0.0	160.0	-3.27	-3.18	5.69e-03	-8.00e-05	3.43e-04	-0.73
162	19	3.99	4.20	7.69e-04	-5.77	0.0	1.57	-2.26	-1.06	-0.05	1.18	3.99
		-4.24	1.18	-5.22e-03	0.0	160.0	1.57	-8.03	-1.06	-0.05	4.20	-4.24
162	22	2.78	-1.20	-8.08e-04	-5.77	0.0	-8.10	7.45	1.07	0.04	-1.20	-4.53
		-4.53	-4.20	5.22e-03	0.0	160.0	-8.10	1.68	1.07	0.04	-4.20	2.78
162	27	5.14	3.69	8.92e-04	-5.77	0.0	2.85	-3.56	-0.84	0.02	1.09	5.14
		-5.17	1.09	-4.35e-03	0.0	160.0	2.85	-9.33	-0.84	0.02	3.69	-5.17
162	28	8.66	1.79	5.19e-04	-5.77	0.0	1.15	-7.48	-1.90	0.04	0.60	8.66
		-7.94	0.60	-1.92e-03	0.0	160.0	1.15	-13.26	-1.90	0.04	1.79	-7.94
162	29	6.48	-0.62	-5.58e-04	-5.77	0.0	-7.68	12.68	1.91	-0.04	-0.62	-9.20
		-9.20	-1.79	1.91e-03	0.0	160.0	-7.68	6.91	1.91	-0.04	-1.79	6.48
162	30	3.70	-1.10	-9.31e-04	-5.77	0.0	-9.38	8.75	0.85	-0.02	-1.10	-5.68
		-5.68	-3.69	4.35e-03	0.0	160.0	-9.38	2.98	0.85	-0.02	-3.69	3.70
162	51	2.84	3.08	5.55e-04	-5.77	0.0	0.50	-0.94	-0.79	-0.03	0.87	2.84
		-3.29	0.87	-3.83e-03	0.0	160.0	0.50	-6.71	-0.79	-0.03	3.08	-3.29
162	54	1.82	-0.89	-5.94e-04	-5.77	0.0	-7.04	6.14	0.80	0.03	-0.89	-3.38
		-3.38	-3.08	3.82e-03	0.0	160.0	-7.04	0.36	0.80	0.03	-3.08	1.82
162	59	3.68	2.71	6.45e-04	-5.77	0.0	1.57	-1.89	-0.63	0.01	0.81	3.68
		-3.97	0.81	-3.19e-03	0.0	160.0	1.57	-7.67	-0.63	0.01	2.71	-3.97
162	60	6.31	1.32	3.71e-04	-5.77	0.0	0.29	-4.82	-1.41	0.03	0.44	6.31
		-6.03	0.44	-1.42e-03	0.0	160.0	0.29	-10.60	-1.41	0.03	1.32	-6.03
162	61	4.57	-0.46	-4.09e-04	-5.77	0.0	-6.82	10.02	1.43	-0.03	-0.46	-6.85
		-6.85	-1.32	1.41e-03	0.0	160.0	-6.82	4.24	1.43	-0.03	-1.32	4.57
162	62	2.50	-0.83	-6.84e-04	-5.77	0.0	-8.11	7.09	0.64	-0.01	-0.83	-4.22
		-4.22	-2.71	3.18e-03	0.0	160.0	-8.11	1.31	0.64	-0.01	-2.71	2.50
162	83	2.48	2.73	4.88e-04	-5.77	0.0	0.10	-0.53	-0.70	-0.03	0.77	2.48
		-2.99	0.77	-3.39e-03	0.0	160.0	0.10	-6.30	-0.70	-0.03	2.73	-2.99
162	86	1.52	-0.79	-5.27e-04	-5.77	0.0	-6.63	5.72	0.71	0.03	-0.79	-3.02
		-3.02	-2.73	3.38e-03	0.0	160.0	-6.63	-0.05	0.71	0.03	-2.73	1.52
162	91	3.23	2.40	5.68e-04	-5.77	0.0	1.06	-1.37	-0.56	0.01	0.72	3.23
		-3.59	0.72	-2.82e-03	0.0	160.0	1.06	-7.15	-0.56	0.01	2.40	-3.59
162	92	5.55	1.17	3.25e-04	-5.77	0.0	-0.08	-3.97	-1.25	0.02	0.39	5.55
		-5.42	0.39	-1.25e-03	0.0	160.0	-0.08	-9.74	-1.25	0.02	1.17	-5.42
162	93	3.96	-0.41	-3.64e-04	-5.77	0.0	-6.46	9.16	1.26	-0.02	-0.41	-6.09
		-6.09	-1.17	1.25e-03	0.0	160.0	-6.46	3.39	1.26	-0.02	-1.17	3.96
162	94	2.13	-0.74	-6.07e-04	-5.77	0.0	-7.60	6.57	0.57	-0.01	-0.74	-3.77
		-3.77	-2.40	2.81e-03	0.0	160.0	-7.60	0.79	0.57	-0.01	-2.40	2.13
162	115	4.87	5.01	9.31e-04	-5.77	0.0	2.47	-3.25	-1.24	-0.05	1.42	4.87
		-4.96	1.42	-6.24e-03	0.0	160.0	2.47	-9.03	-1.24	-0.05	5.01	-4.96
162	118	3.50	-1.43	-9.70e-04	-5.77	0.0	-9.00	8.45	1.25	0.05	-1.43	-5.41
		-5.41	-5.01	6.24e-03	0.0	160.0	-9.00	2.68	1.25	0.05	-5.01	3.50
162	123	6.29	4.42	1.08e-03	-5.77	0.0	3.96	-4.86	-0.98	0.02	1.30	6.29
		-6.11	1.30	-5.22e-03	0.0	160.0	3.96	-10.63	-0.98	0.02	4.42	-6.11
162	124	10.53	2.12	6.33e-04	-5.77	0.0	1.92	-9.60	-2.26	0.04	0.73	10.53
		-9.45	0.73	-2.28e-03	0.0	160.0	1.92	-15.38	-2.26	0.04	2.12	-9.45
162	125	7.99	-0.75	-6.72e-04	-5.77	0.0	-8.45	14.80	2.27	-0.04	-0.75	-11.07
		-11.07	-2.12	2.27e-03	0.0	160.0	-8.45	9.02	2.27	-0.04	-2.12	7.99
162	126	4.64	-1.32	-1.12e-03	-5.77	0.0	-10.50	10.05	0.99	-0.02	-1.32	-6.83
		-6.83	-4.42	5.21e-03	0.0	160.0	-10.50	4.28	0.99	-0.02	-4.42	4.64
163	1	1.43	1.75e-03	-6.58e-05	-8.47	0.0	4.80	4.30	0.02	-5.91e-04	-0.04	-0.32
		-0.32	-0.04	-5.42e-05	0.0	160.0	4.80	-4.17	0.02	-5.91e-04	1.75e-03	-0.21
163	2	1.66	-0.02	-1.71e-04	-8.47	0.0	0.35	4.52	-1.66e-04	-9.67e-04	-0.02	-0.26
		-0.26	-0.02	-3.64e-05	0.0	160.0	0.35	-3.95	-1.66e-04	-9.67e-04	-0.02	0.19

163	4	1.06	-0.02	-1.58e-04	-4.81	0.0	-1.92	2.69	2.36e-03	-7.62e-04	-0.02	-0.14
		-0.14	-0.02	-3.96e-05	0.0	160.0	-1.92	-2.12	2.36e-03	-7.62e-04	-0.02	0.31
163	5	1.42	7.11e-03	-7.35e-05	-8.47	0.0	3.72	4.33	0.05	-6.14e-04	-0.07	-0.35
		-0.35	-0.07	-9.69e-05	0.0	160.0	3.72	-4.14	0.05	-6.14e-04	7.11e-03	-0.20
163	7	0.81	8.86e-03	-5.64e-05	-4.81	0.0	1.45	2.51	0.05	-4.09e-04	-0.07	-0.23
		-0.23	-0.07	-1.00e-04	0.0	160.0	1.45	-2.31	0.05	-4.09e-04	8.86e-03	-0.07
163	9	0.98	6.57e-04	-4.65e-05	-5.77	0.0	3.51	2.93	0.02	-4.19e-04	-0.02	-0.21
		-0.21	-0.02	-3.55e-05	0.0	160.0	3.51	-2.84	0.02	-4.19e-04	6.57e-04	-0.14
163	10	1.13	-0.01	-1.17e-04	-5.77	0.0	0.55	3.08	-7.39e-04	-6.69e-04	-0.01	-0.18
		-0.18	-0.01	-2.37e-05	0.0	160.0	0.55	-2.70	-7.39e-04	-6.69e-04	-0.01	0.13
163	11	0.98	4.23e-03	-5.18e-05	-5.77	0.0	2.79	2.96	0.03	-4.34e-04	-0.04	-0.23
		-0.23	-0.04	-6.40e-05	0.0	160.0	2.79	-2.82	0.03	-4.34e-04	4.23e-03	-0.12
163	13	0.99	5.39e-03	-3.94e-05	-5.77	0.0	4.58	2.90	-6.31e-03	-3.96e-04	5.39e-03	-0.18
		-0.18	-4.70e-03	7.18e-06	0.0	160.0	4.58	-2.87	-6.31e-03	-3.96e-04	-4.70e-03	-0.15
163	14	1.07	0.01	-6.96e-05	-5.77	0.0	3.10	2.97	-0.01	-5.21e-04	0.01	-0.16
		-0.16	-0.01	1.31e-05	0.0	160.0	3.10	-2.80	-0.01	-5.21e-04	-0.01	-0.02
163	15	0.99	-2.91e-03	-4.18e-05	-5.77	0.0	4.23	2.91	1.00e-03	-4.04e-04	-4.51e-03	-0.19
		-0.19	-4.51e-03	-7.05e-06	0.0	160.0	4.23	-2.86	1.00e-03	-4.04e-04	-2.91e-03	-0.15
163	17	0.99	5.39e-03	-3.94e-05	-5.77	0.0	4.58	2.90	-6.31e-03	-3.96e-04	5.39e-03	-0.18
		-0.18	-4.70e-03	7.18e-06	0.0	160.0	4.58	-2.87	-6.31e-03	-3.96e-04	-4.70e-03	-0.15
163	18	1.04	8.87e-03	-5.66e-05	-5.77	0.0	3.69	2.95	-0.01	-4.71e-04	8.87e-03	-0.17
		-0.17	-9.07e-03	1.07e-05	0.0	160.0	3.69	-2.83	-0.01	-4.71e-04	-9.07e-03	-0.07
163	31	2.28	1.93	-1.37e-03	-5.77	0.0	33.75	1.69	-1.47	-0.05	1.93	1.81
		0.13	1.12	-9.57e-03	0.0	160.0	33.75	-4.09	-1.47	-0.05	1.12	0.13
163	34	0.13	-1.13	1.26e-03	-5.77	0.0	-26.36	4.20	1.45	0.05	-1.91	-2.14
		-2.14	-1.91	9.59e-03	0.0	160.0	-26.36	-1.57	1.45	0.05	-1.13	-0.28
163	36	1.08	3.44	-6.12e-04	-5.77	0.0	-11.50	3.36	-2.64	0.03	3.44	-0.84
		-0.84	-0.53	1.75e-03	0.0	160.0	-11.50	-2.42	-2.64	0.03	-0.53	0.51
163	37	1.16	0.52	5.04e-04	-5.77	0.0	18.89	2.53	2.62	-0.03	-3.42	0.51
		-0.65	-3.42	-1.73e-03	0.0	160.0	18.89	-3.24	2.62	-0.03	0.52	-0.65
163	47	1.85	1.12	-2.49e-04	-5.77	0.0	36.16	1.86	0.94	-0.04	-1.02	1.46
		-0.48	-1.02	-5.59e-03	0.0	160.0	36.16	-3.91	0.94	-0.04	1.12	-0.48
163	50	0.67	1.04	1.40e-04	-5.77	0.0	-28.77	4.03	-0.97	0.04	1.04	-1.79
		-1.79	-1.13	5.61e-03	0.0	160.0	-28.77	-1.74	-0.97	0.04	-1.13	0.33
163	63	1.90	1.45	-1.02e-03	-5.77	0.0	25.64	2.04	-1.10	-0.04	1.45	1.26
		0.08	0.83	-7.01e-03	0.0	160.0	25.64	-3.74	-1.10	-0.04	0.83	0.08
163	66	0.34	-0.85	9.13e-04	-5.77	0.0	-18.25	3.85	1.08	0.04	-1.43	-1.60
		-1.60	-1.43	7.03e-03	0.0	160.0	-18.25	-1.92	1.08	0.04	-0.85	-0.23
163	68	1.06	2.56	-4.84e-04	-5.77	0.0	-7.58	3.24	-1.96	0.02	2.56	-0.66
		-0.66	-0.43	1.24e-03	0.0	160.0	-7.58	-2.53	-1.96	0.02	-0.43	0.37
163	69	1.10	0.41	3.75e-04	-5.77	0.0	14.97	2.65	1.94	-0.02	-2.54	0.33
		-0.51	-2.54	-1.22e-03	0.0	160.0	14.97	-3.13	1.94	-0.02	0.41	-0.51
163	79	1.57	0.83	-1.77e-04	-5.77	0.0	27.63	2.16	0.70	-0.03	-0.77	1.01
		-0.38	-0.77	-4.08e-03	0.0	160.0	27.63	-3.61	0.70	-0.03	0.83	-0.38
163	82	0.73	0.79	6.85e-05	-5.77	0.0	-20.24	3.73	-0.73	0.03	0.79	-1.34
		-1.34	-0.84	4.10e-03	0.0	160.0	-20.24	-2.05	-0.73	0.03	-0.84	0.23
163	95	1.79	1.28	-9.10e-04	-5.77	0.0	23.10	2.14	-0.97	-0.03	1.28	1.10
		0.07	0.73	-6.20e-03	0.0	160.0	23.10	-3.63	-0.97	-0.03	0.73	0.07
163	98	0.41	-0.75	8.01e-04	-5.77	0.0	-15.71	3.75	0.95	0.03	-1.27	-1.43
		-1.43	-1.27	6.22e-03	0.0	160.0	-15.71	-2.03	0.95	0.03	-0.75	-0.21
163	100	1.06	2.27	-4.36e-04	-5.77	0.0	-6.29	3.21	-1.74	0.02	2.27	-0.60
		-0.60	-0.38	1.09e-03	0.0	160.0	-6.29	-2.57	-1.74	0.02	-0.38	0.32
163	101	1.09	0.36	3.28e-04	-5.77	0.0	13.68	2.68	1.72	-0.02	-2.25	0.27
		-0.46	-2.25	-1.07e-03	0.0	160.0	13.68	-3.09	1.72	-0.02	0.36	-0.46
163	111	1.50	0.73	-1.60e-04	-5.77	0.0	24.88	2.25	0.62	-0.03	-0.69	0.87
		-0.34	-0.69	-3.60e-03	0.0	160.0	24.88	-3.52	0.62	-0.03	0.73	-0.34
163	114	0.75	0.70	5.20e-05	-5.77	0.0	-17.49	3.64	-0.65	0.03	0.70	-1.20
		-1.20	-0.75	3.62e-03	0.0	160.0	-17.49	-2.14	-0.65	0.03	-0.75	0.20
163	127	2.58	2.26	-1.65e-03	-5.77	0.0	40.07	1.42	-1.73	-0.06	2.26	2.22
		0.17	1.34	-0.01	0.0	160.0	40.07	-4.35	-1.73	-0.06	1.34	0.17
163	130	-0.01	-1.36	1.54e-03	-5.77	0.0	-32.69	4.47	1.71	0.06	-2.24	-2.56
		-2.56	-2.24	0.01	0.0	160.0	-32.69	-1.31	1.71	0.06	-1.36	-0.32
163	132	1.12	4.12	-7.29e-04	-5.77	0.0	-14.68	3.44	-3.16	0.04	4.12	-0.98
		-0.98	-0.63	2.13e-03	0.0	160.0	-14.68	-2.33	-3.16	0.04	-0.63	0.63
163	133	1.20	0.61	6.20e-04	-5.77	0.0	22.07	2.45	3.14	-0.04	-4.10	0.65
		-0.77	-4.10	-2.11e-03	0.0	160.0	22.07	-3.33	3.14	-0.04	0.61	-0.77
163	143	2.08	1.34	-2.90e-04	-5.77	0.0	42.98	1.63	1.15	-0.05	-1.24	1.80
		-0.56	-1.24	-6.76e-03	0.0	160.0	42.98	-4.14	1.15	-0.05	1.34	-0.56
163	146	0.64	1.26	1.82e-04	-5.77	0.0	-35.59	4.26	-1.17	0.05	1.26	-2.14
		-2.14	-1.36	6.78e-03	0.0	160.0	-35.59	-1.52	-1.17	0.05	-1.36	0.42
164	1	1.31	0.02	1.30e-04	-8.47	0.0	-0.98	4.30	-3.35e-03	-1.07e-05	0.02	-0.44
		-0.44	0.01	-3.28e-05	0.0	160.0	-0.98	-4.17	-3.35e-03	-1.07e-05	0.01	-0.34
164	2	1.25	0.02	1.69e-04	-8.47	0.0	1.75	4.50	0.01	4.20e-04	2.13e-03	-0.66
		-0.66	2.13e-03	-2.55e-05	0.0	160.0	1.75	-3.97	0.01	4.20e-04	0.02	-0.23
164	4	0.68	0.02	1.29e-04	-4.81	0.0	1.54	2.78	9.42e-03	4.49e-04	2.09e-03	-0.61

		-0.61	2.09e-03	-2.43e-05	0.0	160.0	1.54	-2.04	9.42e-03	4.49e-04	0.02	-0.01
164	5	1.28	0.03	1.35e-04	-8.47	0.0	-2.22	4.57	-6.44e-03	-1.18e-04	0.03	-0.69
		-0.69	0.02	-5.50e-05	0.0	160.0	-2.22	-3.90	-6.44e-03	-1.18e-04	0.02	-0.15
164	6	1.25	0.02	1.62e-04	-8.47	0.0	-0.31	4.71	3.05e-03	1.83e-04	0.02	-0.84
		-0.84	0.02	-4.99e-05	0.0	160.0	-0.31	-3.76	3.05e-03	1.83e-04	0.02	-0.08
164	7	0.71	0.03	9.55e-05	-4.81	0.0	-2.43	2.85	-7.23e-03	-8.93e-05	0.03	-0.64
		-0.64	0.02	-5.37e-05	0.0	160.0	-2.43	-1.96	-7.23e-03	-8.93e-05	0.02	0.07
164	9	0.89	0.01	9.45e-05	-5.77	0.0	-0.57	2.91	-2.31e-03	3.59e-05	0.01	-0.28
		-0.28	7.25e-03	-2.12e-05	0.0	160.0	-0.57	-2.87	-2.31e-03	3.59e-05	7.25e-03	-0.25
164	10	0.85	0.01	1.20e-04	-5.77	0.0	1.26	3.04	6.73e-03	3.23e-04	1.44e-03	-0.43
		-0.43	1.44e-03	-1.64e-05	0.0	160.0	1.26	-2.74	6.73e-03	3.23e-04	0.01	-0.18
164	11	0.87	0.02	9.77e-05	-5.77	0.0	-1.39	3.09	-4.37e-03	-3.57e-05	0.02	-0.45
		-0.45	0.01	-3.60e-05	0.0	160.0	-1.39	-2.69	-4.37e-03	-3.57e-05	0.01	-0.13
164	12	0.85	0.01	1.16e-04	-5.77	0.0	-0.12	3.18	1.95e-03	1.65e-04	0.01	-0.55
		-0.55	0.01	-3.26e-05	0.0	160.0	-0.12	-2.59	1.95e-03	1.65e-04	0.01	-0.08
164	13	0.93	1.38e-03	8.97e-05	-5.77	0.0	0.68	2.63	7.81e-04	1.43e-04	1.28e-04	-0.03
		-0.44	1.28e-04	0.0	0.0	160.0	0.68	-3.14	7.81e-04	1.43e-04	1.38e-03	-0.44
164	14	0.90	3.85e-03	1.03e-04	-5.77	0.0	1.59	2.70	5.30e-03	2.87e-04	-4.63e-03	-0.10
		-0.40	-4.63e-03	3.42e-06	0.0	160.0	1.59	-3.08	5.30e-03	2.87e-04	3.85e-03	-0.40
164	15	0.91	3.73e-03	9.13e-05	-5.77	0.0	0.26	2.72	-2.50e-04	1.07e-04	3.73e-03	-0.11
		-0.38	3.33e-03	-6.40e-06	0.0	160.0	0.26	-3.05	-2.50e-04	1.07e-04	3.33e-03	-0.38
164	16	0.90	4.82e-03	9.90e-05	-5.77	0.0	0.81	2.76	2.46e-03	1.94e-04	8.81e-04	-0.16
		-0.35	8.81e-04	-4.95e-06	0.0	160.0	0.81	-3.01	2.46e-03	1.94e-04	4.82e-03	-0.35
164	17	0.93	1.38e-03	8.97e-05	-5.77	0.0	0.68	2.63	7.81e-04	1.43e-04	1.28e-04	-0.03
		-0.44	1.28e-04	0.0	0.0	160.0	0.68	-3.14	7.81e-04	1.43e-04	1.38e-03	-0.44
164	18	0.91	2.86e-03	9.74e-05	-5.77	0.0	1.22	2.67	3.49e-03	2.29e-04	-2.73e-03	-0.07
		-0.42	-2.73e-03	2.45e-06	0.0	160.0	1.22	-3.10	3.49e-03	2.29e-04	2.86e-03	-0.42
164	19	1.36	1.75	4.41e-05	-5.77	0.0	-1.17	5.31	-0.90	0.02	1.75	-2.55
		-2.55	-0.38	1.47e-03	0.0	160.0	-1.17	-0.46	-0.90	0.02	-0.38	1.33
164	22	2.40	0.39	1.51e-04	-5.77	0.0	3.61	0.03	0.91	-0.02	-1.75	2.40
		-2.16	-1.75	-1.46e-03	0.0	160.0	3.61	-5.74	0.91	-0.02	0.39	-2.16
164	48	4.82	-0.32	1.78e-04	-5.77	0.0	-7.88	10.55	0.30	0.02	-0.65	-7.44
		-7.44	-0.65	1.63e-03	0.0	160.0	-7.88	4.78	0.30	0.02	-0.32	4.82
164	49	7.29	0.65	-5.34e-05	-5.77	0.0	10.32	-5.20	-0.30	-0.02	0.65	7.29
		-5.66	0.33	-1.62e-03	0.0	160.0	10.32	-10.98	-0.30	-0.02	0.33	-5.66
164	51	1.06	1.28	5.88e-05	-5.77	0.0	-0.54	4.64	-0.68	0.01	1.28	-1.92
		-1.92	-0.29	1.06e-03	0.0	160.0	-0.54	-1.13	-0.68	0.01	-0.29	0.89
164	54	1.84	0.30	1.36e-04	-5.77	0.0	2.98	0.71	0.68	-0.01	-1.28	1.77
		-1.72	-1.28	-1.06e-03	0.0	160.0	2.98	-5.07	0.68	-0.01	0.30	-1.72
164	80	3.51	-0.24	1.58e-04	-5.77	0.0	-5.78	8.58	0.23	0.02	-0.48	-5.59
		-5.59	-0.48	1.20e-03	0.0	160.0	-5.78	2.80	0.23	0.02	-0.24	3.51
164	81	5.44	0.48	3.71e-05	-5.77	0.0	8.22	-3.23	-0.23	-0.02	0.48	5.44
		-4.35	0.25	-1.19e-03	0.0	160.0	8.22	-9.01	-0.23	-0.02	0.25	-4.35
164	83	0.99	1.13	6.34e-05	-5.77	0.0	-0.33	4.42	-0.60	0.01	1.13	-1.71
		-1.71	-0.26	9.36e-04	0.0	160.0	-0.33	-1.36	-0.60	0.01	-0.26	0.74
164	86	1.68	0.26	1.31e-04	-5.77	0.0	2.78	0.93	0.61	-0.01	-1.13	1.56
		-1.57	-1.13	-9.31e-04	0.0	160.0	2.78	-4.84	0.61	-0.01	0.26	-1.57
164	112	3.07	-0.22	1.51e-04	-5.77	0.0	-5.00	7.91	0.21	0.02	-0.43	-4.97
		-4.97	-0.43	1.06e-03	0.0	160.0	-5.00	2.13	0.21	0.02	-0.22	3.07
164	113	4.82	0.42	4.40e-05	-5.77	0.0	7.44	-2.56	-0.20	-0.02	0.42	4.82
		-3.90	0.22	-1.06e-03	0.0	160.0	7.44	-8.34	-0.20	-0.02	0.22	-3.90
164	115	1.69	2.10	3.34e-05	-5.77	0.0	-1.68	5.86	-1.08	0.02	2.10	-3.06
		-3.06	-0.46	1.78e-03	0.0	160.0	-1.68	0.09	-1.08	0.02	-0.46	1.69
164	118	2.91	0.46	1.61e-04	-5.77	0.0	4.12	-0.51	1.08	-0.02	-2.10	2.91
		-2.53	-2.10	-1.77e-03	0.0	160.0	4.12	-6.29	1.08	-0.02	0.46	-2.53
164	144	5.92	-0.39	1.94e-04	-5.77	0.0	-9.57	12.20	0.36	0.03	-0.78	-8.98
		-8.98	-0.78	1.99e-03	0.0	160.0	-9.57	6.43	0.36	0.03	-0.39	5.92
164	145	8.83	0.78	-6.74e-05	-5.77	0.0	12.01	-6.85	-0.35	-0.03	0.78	8.83
		-6.76	0.39	-1.98e-03	0.0	160.0	12.01	-12.63	-0.35	-0.03	0.39	-6.76
166	2	6.77	0.01	5.31e-03	-14.14	0.0	-12.05	6.15	4.62e-03	2.91e-03	-2.26e-03	2.75
		0.0	-2.26e-03	-2.99e-04	0.0	300.0	-12.05	-7.99	4.62e-03	2.91e-03	0.01	0.0
166	3	1.19	2.18e-03	8.25e-04	-2.57	0.0	-2.31	1.14	8.84e-04	5.80e-04	-4.70e-04	0.43
		0.0	-4.70e-04	-1.10e-04	0.0	300.0	-2.31	-1.43	8.84e-04	5.80e-04	2.18e-03	0.0
166	4	6.43	0.01	5.15e-03	-13.37	0.0	-11.35	5.80	4.33e-03	2.75e-03	-2.13e-03	2.65
		0.0	-2.13e-03	-2.79e-04	0.0	300.0	-11.35	-7.57	4.33e-03	2.75e-03	0.01	0.0
166	9	1.19	2.22e-03	7.89e-04	-2.57	0.0	-2.30	1.14	8.91e-04	5.70e-04	-4.52e-04	0.43
		0.0	-4.52e-04	-9.04e-05	0.0	300.0	-2.30	-1.43	8.91e-04	5.70e-04	2.22e-03	0.0
166	10	4.68	8.01e-03	3.67e-03	-9.77	0.0	-8.32	4.25	3.19e-03	2.02e-03	-1.56e-03	1.91
		0.0	-1.56e-03	-2.04e-04	0.0	300.0	-8.32	-5.52	3.19e-03	2.02e-03	8.01e-03	0.0
166	13	1.20	2.23e-03	8.00e-04	-2.57	0.0	-2.24	1.14	8.79e-04	5.62e-04	-4.06e-04	0.45
		0.0	-4.06e-04	6.00e-05	0.0	300.0	-2.24	-1.44	8.79e-04	5.62e-04	2.23e-03	0.0
166	14	2.95	5.13e-03	2.24e-03	-6.17	0.0	-5.26	2.69	2.03e-03	1.29e-03	-9.59e-04	1.19
		0.0	-9.59e-04	1.46e-04	0.0	300.0	-5.26	-3.48	2.03e-03	1.29e-03	5.13e-03	0.0
166	17	1.20	2.23e-03	8.00e-04	-2.57	0.0	-2.24	1.14	8.79e-04	5.62e-04	-4.06e-04	0.45
		0.0	-4.06e-04	6.00e-05	0.0	300.0	-2.24	-1.44	8.79e-04	5.62e-04	2.23e-03	0.0

166	18	2.25	3.97e-03	1.66e-03	-4.73	0.0	-4.05	2.07	1.57e-03	9.97e-04	-7.38e-04	0.89
		0.0	-7.38e-04	1.11e-04	0.0	300.0	-4.05	-2.66	1.57e-03	9.97e-04	3.97e-03	0.0
166	28	6.06	0.24	4.60e-03	-4.73	0.0	5.51	0.36	0.17	-0.08	-0.05	6.02
		0.0	-0.05	-0.02	0.0	300.0	5.51	-4.37	0.17	-0.08	0.24	0.0
166	29	0.29	0.05	-1.27e-03	-4.73	0.0	-13.61	3.78	-0.17	0.08	0.05	-4.23
		-4.23	-0.23	0.02	0.0	300.0	-13.61	-0.95	-0.17	0.08	-0.23	0.0
166	35	1.22	0.56	3.46e-04	-4.73	0.0	-8.13	2.76	-0.36	0.14	0.56	-1.19
		-1.19	-0.51	0.05	0.0	300.0	-8.13	-1.97	-0.36	0.14	-0.51	0.0
166	38	3.57	0.52	2.98e-03	-4.73	0.0	0.03	1.37	0.36	-0.14	-0.57	2.98
		0.0	-0.57	-0.04	0.0	300.0	0.03	-3.36	0.36	-0.14	0.52	0.0
166	60	4.88	0.16	3.83e-03	-4.73	0.0	2.97	0.81	0.11	-0.06	-0.02	4.67
		0.0	-0.02	-9.88e-03	0.0	300.0	2.97	-3.92	0.11	-0.06	0.16	0.0
166	61	0.62	0.02	-5.02e-04	-4.73	0.0	-11.07	3.33	-0.11	0.06	0.02	-2.88
		-2.88	-0.16	9.75e-03	0.0	300.0	-11.07	-1.40	-0.11	0.06	-0.16	0.0
166	67	1.46	0.36	6.84e-04	-4.73	0.0	-7.10	2.59	-0.23	0.09	0.36	-0.66
		-0.66	-0.33	0.03	0.0	300.0	-7.10	-2.15	-0.23	0.09	-0.33	0.0
166	70	3.21	0.34	2.64e-03	-4.73	0.0	-1.00	1.55	0.23	-0.09	-0.36	2.45
		0.0	-0.36	-0.03	0.0	300.0	-1.00	-3.18	0.23	-0.09	0.34	0.0
166	92	4.52	0.14	3.58e-03	-4.73	0.0	2.16	0.95	0.10	-0.05	-0.02	4.24
		0.0	-0.02	-8.65e-03	0.0	300.0	2.16	-3.78	0.10	-0.05	0.14	0.0
166	93	0.76	0.01	-3.10e-04	-4.73	0.0	-10.26	3.18	-0.10	0.05	0.01	-2.45
		-2.45	-0.14	8.51e-03	0.0	300.0	-10.26	-1.55	-0.10	0.05	-0.14	0.0
166	99	1.53	0.32	7.96e-04	-4.73	0.0	-6.76	2.53	-0.20	0.08	0.32	-0.49
		-0.49	-0.29	0.02	0.0	300.0	-6.76	-2.20	-0.20	0.08	-0.29	0.0
166	102	3.09	0.29	2.53e-03	-4.73	0.0	-1.34	1.61	0.20	-0.07	-0.32	2.27
		0.0	-0.32	-0.02	0.0	300.0	-1.34	-3.12	0.20	-0.07	0.29	0.0
166	124	7.09	0.30	5.21e-03	-4.73	0.0	7.52	2.77e-03	0.21	-0.10	-0.07	7.09
		0.0	-0.07	-0.02	0.0	300.0	7.52	-4.73	0.21	-0.10	0.30	0.0
166	125	0.11	0.06	-1.88e-03	-4.73	0.0	-15.62	4.13	-0.21	0.10	0.06	-5.30
		-5.30	-0.29	0.02	0.0	300.0	-15.62	-0.60	-0.21	0.10	-0.29	0.0
166	131	1.05	0.71	-2.39e-04	-4.73	0.0	-8.99	2.91	-0.45	0.17	0.71	-1.63
		-1.63	-0.65	0.06	0.0	300.0	-8.99	-1.82	-0.45	0.17	-0.65	0.0
166	134	3.90	0.66	3.26e-03	-4.73	0.0	0.89	1.23	0.46	-0.17	-0.71	3.42
		0.0	-0.71	-0.06	0.0	300.0	0.89	-3.51	0.46	-0.17	0.66	0.0
167	2	0.77	-1.55e-04	4.72e-05	-8.47	0.0	-7.91	4.82	-0.01	3.66e-04	-1.55e-04	-1.43
		-1.43	-0.02	2.10e-05	0.0	160.0	-7.91	-3.64	-0.01	3.66e-04	-0.02	-0.49
167	3	0.74	5.07e-04	-3.71e-05	-4.81	0.0	-2.58	2.89	-1.87e-03	-5.19e-05	5.07e-04	-0.65
		-0.65	-2.49e-03	-3.17e-06	0.0	160.0	-2.58	-1.93	-1.87e-03	-5.19e-05	-2.49e-03	0.12
167	5	1.35	6.65e-04	-7.37e-05	-8.47	0.0	-3.83	5.04	-2.59e-03	-1.00e-04	6.65e-04	-1.04
		-1.04	-3.48e-03	-6.31e-06	0.0	160.0	-3.83	-3.43	-2.59e-03	-1.00e-04	-3.48e-03	0.25
167	7	0.85	8.01e-04	-6.94e-05	-4.81	0.0	-3.35	3.17	-2.09e-03	-1.29e-04	8.01e-04	-0.81
		-0.81	-2.53e-03	-8.06e-06	0.0	160.0	-3.35	-1.65	-2.09e-03	-1.29e-04	-2.53e-03	0.41
167	9	0.84	2.92e-04	-2.82e-05	-5.77	0.0	-2.22	3.24	-1.78e-03	-9.41e-06	2.92e-04	-0.61
		-0.61	-2.56e-03	0.0	0.0	160.0	-2.22	-2.54	-1.78e-03	-9.41e-06	-2.56e-03	-0.05
167	10	0.51	-5.83e-05	3.53e-05	-5.77	0.0	-5.45	3.28	-8.40e-03	2.50e-04	-5.83e-05	-0.98
		-0.98	-0.01	1.45e-05	0.0	160.0	-5.45	-2.49	-8.40e-03	2.50e-04	-0.01	-0.35
167	11	0.90	4.88e-04	-4.60e-05	-5.77	0.0	-2.73	3.43	-1.93e-03	-6.06e-05	4.88e-04	-0.72
		-0.72	-2.59e-03	-3.77e-06	0.0	160.0	-2.73	-2.35	-1.93e-03	-6.06e-05	-2.59e-03	0.14
167	13	0.76	-1.42e-06	1.53e-05	-5.77	0.0	-1.45	2.96	-1.57e-03	6.73e-05	-1.42e-06	-0.45
		-0.45	-2.52e-03	4.37e-06	0.0	160.0	-1.45	-2.82	-1.57e-03	6.73e-05	-2.52e-03	-0.34
167	14	0.60	-1.77e-04	4.28e-05	-5.77	0.0	-3.06	2.98	-4.88e-03	1.97e-04	-1.77e-04	-0.63
		-0.63	-7.99e-03	1.19e-05	0.0	160.0	-3.06	-2.80	-4.88e-03	1.97e-04	-7.99e-03	-0.48
167	15	0.78	9.65e-05	-1.38e-05	-5.77	0.0	-1.71	3.05	-1.64e-03	4.18e-05	9.65e-05	-0.50
		-0.50	-2.53e-03	2.74e-06	0.0	160.0	-1.71	-2.72	-1.64e-03	4.18e-05	-2.53e-03	-0.24
167	17	0.76	-1.42e-06	1.53e-05	-5.77	0.0	-1.45	2.96	-1.57e-03	6.73e-05	-1.42e-06	-0.45
		-0.45	-2.52e-03	4.37e-06	0.0	160.0	-1.45	-2.82	-1.57e-03	6.73e-05	-2.52e-03	-0.34
167	18	0.66	-1.07e-04	3.18e-05	-5.77	0.0	-2.42	2.97	-3.56e-03	1.45e-04	-1.07e-04	-0.56
		-0.56	-5.80e-03	8.87e-06	0.0	160.0	-2.42	-2.80	-3.56e-03	1.45e-04	-5.80e-03	-0.42
167	19	2.79	-1.15	8.71e-04	-5.77	0.0	-5.06	6.61	0.85	-0.02	-2.54	-3.18
		-3.18	-2.54	-2.37e-03	0.0	160.0	-5.06	0.84	0.85	-0.02	-1.15	2.79
167	22	2.06	2.54	-8.07e-04	-5.77	0.0	0.22	-0.67	-0.86	0.02	2.54	2.06
		-3.64	1.13	2.39e-03	0.0	160.0	0.22	-6.45	-0.86	0.02	1.13	-3.64
167	43	4.22	-0.95	9.72e-04	-5.77	0.0	-7.17	-3.80	-0.31	6.32e-03	-1.92	4.22
		-6.50	-1.92	6.96e-04	0.0	160.0	-7.17	-9.58	-0.31	6.32e-03	-0.95	-6.50
167	46	5.65	1.92	-9.08e-04	-5.77	0.0	2.33	9.74	0.30	-6.03e-03	1.92	-5.33
		-5.33	0.93	-6.78e-04	0.0	160.0	2.33	3.97	0.30	-6.03e-03	0.93	5.65
167	48	8.78	0.88	-4.99e-04	-5.77	0.0	1.29	13.28	0.78	-0.02	0.88	-7.86
		-7.86	0.38	-1.92e-03	0.0	160.0	1.29	7.50	0.78	-0.02	0.38	8.78
167	49	6.74	-0.39	5.62e-04	-5.77	0.0	-6.12	-7.34	-0.79	0.02	-0.88	6.74
		-9.63	-0.88	1.94e-03	0.0	160.0	-6.12	-13.11	-0.79	0.02	-0.39	-9.63
167	51	1.96	-0.85	6.50e-04	-5.77	0.0	-4.50	5.67	0.62	-0.02	-1.84	-2.49
		-2.49	-1.84	-1.71e-03	0.0	160.0	-4.50	-0.11	0.62	-0.02	-0.85	1.96
167	54	1.39	1.84	-5.86e-04	-5.77	0.0	-0.34	0.27	-0.63	0.02	1.84	1.38
		-2.81	0.84	1.72e-03	0.0	160.0	-0.34	-5.50	-0.63	0.02	0.84	-2.81
167	75	3.03	-0.70	7.28e-04	-5.77	0.0	-6.28	-2.11	-0.26	4.98e-03	-1.42	3.03

		-4.98	-1.42	5.40e-04	0.0	160.0	-6.28	-7.89	-0.26	4.98e-03	-0.70	-4.98
167	78	4.13	1.42	-6.64e-04	-5.77	0.0	1.44	8.05	0.25	-4.69e-03	1.42	-4.14
		-4.14	0.69	-5.23e-04	0.0	160.0	1.44	2.28	0.25	-4.69e-03	0.69	4.13
167	80	6.46	0.66	-3.65e-04	-5.77	0.0	0.63	10.67	0.61	-0.01	0.66	-6.01
		-6.01	0.28	-1.43e-03	0.0	160.0	0.63	4.90	0.61	-0.01	0.28	6.46
167	81	4.90	-0.29	4.28e-04	-5.77	0.0	-5.47	-4.73	-0.62	0.01	-0.66	4.90
		-7.31	-0.66	1.45e-03	0.0	160.0	-5.47	-10.50	-0.62	0.01	-0.29	-7.31
167	83	1.71	-0.76	5.79e-04	-5.77	0.0	-4.28	5.36	0.55	-0.01	-1.63	-2.27
		-2.27	-1.63	-1.51e-03	0.0	160.0	-4.28	-0.42	0.55	-0.01	-0.76	1.68
167	86	1.20	1.63	-5.15e-04	-5.77	0.0	-0.56	0.58	-0.56	0.01	1.63	1.15
		-2.53	0.74	1.52e-03	0.0	160.0	-0.56	-5.19	-0.56	0.01	0.74	-2.53
167	107	2.62	-0.62	6.48e-04	-5.77	0.0	-5.88	-1.54	-0.23	4.45e-03	-1.25	2.62
		-4.47	-1.25	4.81e-04	0.0	160.0	-5.88	-7.31	-0.23	4.45e-03	-0.62	-4.47
167	110	3.62	1.25	-5.85e-04	-5.77	0.0	1.05	7.48	0.22	-4.16e-03	1.25	-3.74
		-3.74	0.61	-4.64e-04	0.0	160.0	1.05	1.70	0.22	-4.16e-03	0.61	3.62
167	112	5.68	0.59	-3.20e-04	-5.77	0.0	0.32	9.80	0.54	-0.01	0.59	-5.39
		-5.39	0.25	-1.26e-03	0.0	160.0	0.32	4.02	0.54	-0.01	0.25	5.68
167	113	4.28	-0.26	3.83e-04	-5.77	0.0	-5.16	-3.86	-0.55	0.01	-0.59	4.28
		-6.53	-0.59	1.28e-03	0.0	160.0	-5.16	-9.63	-0.55	0.01	-0.26	-6.53
167	115	3.45	-1.37	1.04e-03	-5.77	0.0	-5.55	7.37	1.03	-0.03	-3.06	-3.72
		-3.72	-3.06	-2.86e-03	0.0	160.0	-5.55	1.59	1.03	-0.03	-1.37	3.45
167	118	2.60	3.06	-9.81e-04	-5.77	0.0	0.71	-1.42	-1.03	0.03	3.06	2.60
		-4.30	1.36	2.88e-03	0.0	160.0	0.71	-7.20	-1.03	0.03	1.36	-4.30
167	139	5.21	-1.14	1.17e-03	-5.77	0.0	-7.97	-5.22	-0.35	7.43e-03	-2.30	5.21
		-7.78	-2.30	8.26e-04	0.0	160.0	-7.97	-11.00	-0.35	7.43e-03	-1.14	-7.78
167	142	6.93	2.30	-1.10e-03	-5.77	0.0	3.13	11.16	0.34	-7.14e-03	2.30	-6.33
		-6.33	1.12	-8.08e-04	0.0	160.0	3.13	5.39	0.34	-7.14e-03	1.12	6.93
167	144	10.71	1.05	-6.10e-04	-5.77	0.0	1.89	15.44	0.92	-0.02	1.05	-9.39
		-9.39	0.46	-2.31e-03	0.0	160.0	1.89	9.66	0.92	-0.02	0.46	10.71
167	145	8.27	-0.47	6.74e-04	-5.77	0.0	-6.73	-9.50	-0.93	0.02	-1.05	8.27
		-11.56	-1.05	2.33e-03	0.0	160.0	-6.73	-15.27	-0.93	0.02	-0.47	-11.56
168	1	1.52	-3.73e-03	1.18e-04	-8.47	0.0	5.09	4.18	-9.01e-03	6.27e-04	-3.73e-03	-0.13
		-0.22	-0.02	-9.04e-06	0.0	160.0	5.09	-4.29	-9.01e-03	6.27e-04	-0.02	-0.22
168	2	1.78	-4.45e-03	2.00e-04	-8.47	0.0	0.53	3.83	0.01	1.11e-03	-0.02	0.39
		-0.25	-0.02	-1.25e-05	0.0	160.0	0.53	-4.63	0.01	1.11e-03	-4.45e-03	-0.25
168	3	0.91	-2.71e-03	1.09e-04	-4.81	0.0	2.91	2.36	-0.01	4.00e-04	-2.71e-03	-0.01
		-0.09	-0.02	-9.35e-06	0.0	160.0	2.91	-2.46	-0.01	4.00e-04	-0.02	-0.09
168	4	1.18	-6.08e-03	1.90e-04	-4.81	0.0	-1.66	2.01	8.66e-03	8.81e-04	-0.02	0.51
		-0.12	-0.02	-1.28e-05	0.0	160.0	-1.66	-2.80	8.66e-03	8.81e-04	-6.08e-03	-0.12
168	7	0.97	-2.80e-03	1.67e-04	-4.81	0.0	2.18	2.35	-0.02	3.99e-04	-2.80e-03	0.05
		-0.04	-0.04	-1.59e-05	0.0	160.0	2.18	-2.46	-0.02	3.99e-04	-0.04	-0.04
168	9	1.04	-2.78e-03	8.10e-05	-5.77	0.0	3.70	2.84	-5.62e-03	4.47e-04	-2.78e-03	-0.08
		-0.15	-0.01	-6.01e-06	0.0	160.0	3.70	-2.93	-5.62e-03	4.47e-04	-0.01	-0.15
168	10	1.21	-2.64e-03	1.36e-04	-5.77	0.0	0.66	2.61	7.26e-03	7.67e-04	-0.01	0.27
		-0.17	-0.01	-8.33e-06	0.0	160.0	0.66	-3.16	7.26e-03	7.67e-04	-2.64e-03	-0.17
168	11	1.08	-2.83e-03	1.20e-04	-5.77	0.0	3.21	2.84	-0.01	4.46e-04	-2.83e-03	-0.04
		-0.12	-0.02	-1.04e-05	0.0	160.0	3.21	-2.93	-0.01	4.46e-04	-0.02	-0.12
168	13	0.99	3.73e-03	2.27e-05	-5.77	0.0	4.43	2.85	4.02e-03	4.48e-04	-2.69e-03	-0.14
		-0.20	-2.69e-03	0.0	0.0	160.0	4.43	-2.93	4.02e-03	4.48e-04	3.73e-03	-0.20
168	14	1.07	8.30e-03	5.00e-05	-5.77	0.0	2.91	2.73	0.01	6.08e-04	-8.43e-03	0.04
		-0.21	-8.43e-03	0.0	0.0	160.0	2.91	-3.04	0.01	6.08e-04	8.30e-03	-0.21
168	17	0.99	3.73e-03	2.27e-05	-5.77	0.0	4.43	2.85	4.02e-03	4.48e-04	-2.69e-03	-0.14
		-0.20	-2.69e-03	0.0	0.0	160.0	4.43	-2.93	4.02e-03	4.48e-04	3.73e-03	-0.20
168	18	1.04	6.47e-03	3.91e-05	-5.77	0.0	3.51	2.78	7.88e-03	5.44e-04	-6.14e-03	-0.03
		-0.21	-6.14e-03	0.0	0.0	160.0	3.51	-3.00	7.88e-03	5.44e-04	6.47e-03	-0.21
168	31	0.57	1.08	-5.11e-04	-5.77	0.0	-28.92	1.79	0.73	-0.03	-1.17	0.27
		-1.99	-1.17	-1.95e-03	0.0	160.0	-28.92	-3.99	0.73	-0.03	1.08	-1.99
168	34	1.98	1.16	5.89e-04	-5.77	0.0	35.95	3.77	-0.72	0.03	1.16	-0.33
		-0.33	-1.07	1.95e-03	0.0	160.0	35.95	-2.01	-0.72	0.03	-1.07	1.58
168	40	1.89	2.09	1.44e-03	-5.77	0.0	13.20	3.07	1.25	0.02	0.54	0.87
		0.59	0.54	-3.09e-03	0.0	160.0	13.20	-2.70	1.25	0.02	2.09	0.59
168	41	0.19	-0.55	-1.36e-03	-5.77	0.0	-6.17	2.49	-1.24	-0.02	-0.55	-0.94
		-1.00	-2.07	3.09e-03	0.0	160.0	-6.17	-3.29	-1.24	-0.02	-2.07	-1.00
168	47	-0.11	-0.92	-1.58e-03	-5.77	0.0	-23.43	1.90	-0.59	-0.03	-0.97	-0.65
		-2.10	-0.97	1.38e-03	0.0	160.0	-23.43	-3.87	-0.59	-0.03	-0.92	-2.10
168	50	2.36	0.96	1.65e-03	-5.77	0.0	30.46	3.66	0.61	0.03	0.96	0.59
		0.59	0.93	-1.38e-03	0.0	160.0	30.46	-2.12	0.61	0.03	0.93	1.69
168	63	0.66	0.82	-3.56e-04	-5.77	0.0	-19.98	2.06	0.56	-0.02	-0.86	0.20
		-1.51	-0.86	-1.41e-03	0.0	160.0	-19.98	-3.71	0.56	-0.02	0.82	-1.51
168	66	1.67	0.85	4.34e-04	-5.77	0.0	27.01	3.49	-0.54	0.02	0.85	-0.26
		-0.26	-0.81	1.41e-03	0.0	160.0	27.01	-2.28	-0.54	0.02	-0.81	1.10
168	72	1.68	1.59	1.09e-03	-5.77	0.0	10.61	2.99	0.96	0.01	0.40	0.65
		0.39	0.40	-2.22e-03	0.0	160.0	10.61	-2.78	0.96	0.01	1.59	0.39
168	73	0.40	-0.41	-1.02e-03	-5.77	0.0	-3.58	2.57	-0.95	-0.01	-0.41	-0.72
		-0.80	-1.58	2.22e-03	0.0	160.0	-3.58	-3.21	-0.95	-0.01	-1.58	-0.80

168	79	0.17	-0.71	-1.17e-03	-5.77	0.0	-15.97	2.14	-0.45	-0.02	-0.71	-0.50
		-1.60	-0.72	9.96e-04	0.0	160.0	-15.97	-3.63	-0.45	-0.02	-0.72	-1.60
168	82	2.00	0.73	1.25e-03	-5.77	0.0	23.00	3.41	0.47	0.02	0.70	0.44
		0.44	0.70	-9.96e-04	0.0	160.0	23.00	-2.36	0.47	0.02	0.73	1.19
168	95	0.69	0.73	-3.10e-04	-5.77	0.0	-17.24	2.15	0.50	-0.02	-0.76	0.17
		-1.36	-0.76	-1.24e-03	0.0	160.0	-17.24	-3.63	0.50	-0.02	0.73	-1.36
168	98	1.59	0.75	3.88e-04	-5.77	0.0	24.27	3.41	-0.48	0.02	0.75	-0.23
		-0.23	-0.72	1.24e-03	0.0	160.0	24.27	-2.37	-0.48	0.02	-0.72	0.95
168	104	1.60	1.41	9.75e-04	-5.77	0.0	9.79	2.97	0.86	0.01	0.35	0.58
		0.32	0.35	-1.96e-03	0.0	160.0	9.79	-2.81	0.86	0.01	1.41	0.32
168	105	0.47	-0.36	-8.97e-04	-5.77	0.0	-2.76	2.59	-0.84	-0.01	-0.36	-0.64
		-0.73	-1.40	1.96e-03	0.0	160.0	-2.76	-3.18	-0.84	-0.01	-1.40	-0.73
168	111	0.26	-0.63	-1.03e-03	-5.77	0.0	-13.68	2.22	-0.40	-0.02	-0.63	-0.45
		-1.44	-0.64	8.78e-04	0.0	160.0	-13.68	-3.56	-0.40	-0.02	-0.64	-1.44
168	114	1.88	0.65	1.11e-03	-5.77	0.0	20.71	3.34	0.42	0.02	0.62	0.39
		0.39	0.62	-8.79e-04	0.0	160.0	20.71	-2.43	0.42	0.02	0.65	1.03
168	127	0.53	1.27	-6.28e-04	-5.77	0.0	-35.74	1.58	0.86	-0.04	-1.41	0.33
		-2.37	-1.41	-2.36e-03	0.0	160.0	-35.74	-4.19	0.86	-0.04	1.27	-2.37
168	130	2.24	1.40	7.06e-04	-5.77	0.0	42.77	3.98	-0.85	0.04	1.40	-0.40
		-0.40	-1.26	2.36e-03	0.0	160.0	42.77	-1.80	-0.85	0.04	-1.26	1.96
168	136	2.06	2.49	1.73e-03	-5.77	0.0	15.16	3.13	1.49	0.02	0.65	1.06
		0.76	0.65	-3.73e-03	0.0	160.0	15.16	-2.65	1.49	0.02	2.49	0.76
168	137	9.31e-03	-0.66	-1.65e-03	-5.77	0.0	-8.13	2.43	-1.48	-0.02	-0.66	-1.12
		-1.17	-2.48	3.73e-03	0.0	160.0	-8.13	-3.35	-1.48	-0.02	-2.48	-1.17
168	143	-0.32	-1.10	-1.92e-03	-5.77	0.0	-29.09	1.72	-0.71	-0.04	-1.17	-0.78
		-2.50	-1.17	1.66e-03	0.0	160.0	-29.09	-4.06	-0.71	-0.04	-1.10	-2.50
168	146	2.66	1.16	1.99e-03	-5.77	0.0	36.12	3.84	0.72	0.04	1.16	0.72
		0.72	1.12	-1.66e-03	0.0	160.0	36.12	-1.93	0.72	0.04	1.12	2.09
169	1	1.58	0.02	1.69e-04	-8.47	0.0	-0.24	3.19	0.05	-1.73e-04	-0.06	0.62
		-1.06	-0.06	-1.34e-04	0.0	160.0	-0.24	-5.28	0.05	-1.73e-04	0.02	-1.06
169	2	1.72	0.04	2.20e-04	-8.47	0.0	-0.14	2.77	0.11	-5.61e-04	-0.14	1.00
		-1.34	-0.14	-1.83e-04	0.0	160.0	-0.14	-5.70	0.11	-5.61e-04	0.04	-1.34
169	6	1.73	0.03	2.08e-04	-8.47	0.0	-0.14	2.78	0.10	-4.36e-04	-0.13	1.00
		-1.33	-0.13	-2.35e-04	0.0	160.0	-0.14	-5.69	0.10	-4.36e-04	0.03	-1.33
169	8	1.17	0.03	1.65e-04	-4.81	0.0	-0.08	1.18	0.09	-3.44e-04	-0.12	0.94
		-1.02	-0.12	-2.22e-04	0.0	160.0	-0.08	-3.64	0.09	-3.44e-04	0.03	-1.02
169	9	1.10	0.01	1.27e-04	-5.77	0.0	-0.19	2.11	0.03	-1.13e-04	-0.04	0.48
		-0.76	-0.04	-9.06e-05	0.0	160.0	-0.19	-3.66	0.03	-1.13e-04	0.01	-0.76
169	10	1.20	0.03	1.61e-04	-5.77	0.0	-0.13	1.83	0.07	-3.72e-04	-0.09	0.73
		-0.95	-0.09	-1.24e-04	0.0	160.0	-0.13	-3.94	0.07	-3.72e-04	0.03	-0.95
169	12	1.20	0.02	1.53e-04	-5.77	0.0	-0.12	1.84	0.07	-2.88e-04	-0.09	0.73
		-0.95	-0.09	-1.58e-04	0.0	160.0	-0.12	-3.94	0.07	-2.88e-04	0.02	-0.95
169	13	1.05	9.40e-03	1.24e-04	-5.77	0.0	-0.23	2.23	0.02	-1.22e-04	-0.02	0.37
		-0.69	-0.02	-2.43e-05	0.0	160.0	-0.23	-3.55	0.02	-1.22e-04	9.40e-03	-0.69
169	14	1.10	0.02	1.41e-04	-5.77	0.0	-0.19	2.09	0.04	-2.51e-04	-0.05	0.49
		-0.78	-0.05	-4.07e-05	0.0	160.0	-0.19	-3.68	0.04	-2.51e-04	0.02	-0.78
169	17	1.05	9.40e-03	1.24e-04	-5.77	0.0	-0.23	2.23	0.02	-1.22e-04	-0.02	0.37
		-0.69	-0.02	-2.43e-05	0.0	160.0	-0.23	-3.55	0.02	-1.22e-04	9.40e-03	-0.69
169	18	1.08	0.01	1.35e-04	-5.77	0.0	-0.21	2.15	0.03	-1.99e-04	-0.04	0.44
		-0.74	-0.04	-3.41e-05	0.0	160.0	-0.21	-3.63	0.03	-1.99e-04	0.01	-0.74
169	23	4.49	-0.39	-4.12e-05	-5.77	0.0	-8.26	-1.92	2.33	8.54e-03	-3.15	4.49
		-3.20	-3.15	1.70e-03	0.0	160.0	-8.26	-7.69	2.33	8.54e-03	-0.39	-3.20
169	24	7.63	-0.91	-5.46e-05	-5.77	0.0	-6.05	-5.10	1.20	0.02	-1.79	7.63
		-5.15	-1.79	3.86e-03	0.0	160.0	-6.05	-10.87	1.20	0.02	-0.91	-5.15
169	25	3.66	1.71	2.25e-04	-5.77	0.0	5.64	9.39	-1.14	-0.02	1.71	-6.75
		-6.75	0.94	-3.93e-03	0.0	160.0	5.64	3.62	-1.14	-0.02	0.94	3.66
169	26	1.71	3.07	2.50e-04	-5.77	0.0	7.85	6.21	-2.27	-8.94e-03	3.07	-3.61
		-3.61	0.42	-1.77e-03	0.0	160.0	7.85	0.44	-2.27	-8.94e-03	0.42	1.71
169	55	3.43	-0.30	5.03e-05	-5.77	0.0	-6.23	-0.85	1.75	6.38e-03	-2.34	3.43
		-2.56	-2.34	1.29e-03	0.0	160.0	-6.23	-6.63	1.75	6.38e-03	-0.30	-2.56
169	56	5.80	-0.71	6.83e-05	-5.77	0.0	-4.55	-3.26	0.90	0.01	-1.32	5.80
		-4.03	-1.32	2.92e-03	0.0	160.0	-4.55	-9.03	0.90	0.01	-0.71	-4.03
169	57	2.54	1.24	2.01e-04	-5.77	0.0	4.13	7.55	-0.84	-0.02	1.24	-4.92
		-4.92	0.74	-2.99e-03	0.0	160.0	4.13	1.77	-0.84	-0.02	0.74	2.54
169	58	1.12	2.26	2.19e-04	-5.77	0.0	5.82	5.14	-1.69	-6.78e-03	2.26	-2.54
		-2.54	0.33	-1.35e-03	0.0	160.0	5.82	-0.63	-1.69	-6.78e-03	0.33	1.07
169	87	3.09	-0.27	6.01e-05	-5.77	0.0	-5.55	-0.51	1.56	5.64e-03	-2.07	3.09
		-2.35	-2.07	1.14e-03	0.0	160.0	-5.55	-6.28	1.56	5.64e-03	-0.27	-2.35
169	88	5.19	-0.63	7.59e-05	-5.77	0.0	-4.05	-2.64	0.80	0.01	-1.17	5.19
		-3.65	-1.17	2.59e-03	0.0	160.0	-4.05	-8.42	0.80	0.01	-0.63	-3.65
169	89	2.17	1.09	1.93e-04	-5.77	0.0	3.64	6.94	-0.74	-0.01	1.09	-4.31
		-4.31	0.66	-2.66e-03	0.0	160.0	3.64	1.16	-0.74	-0.01	0.66	2.17
169	90	0.99	1.99	2.09e-04	-5.77	0.0	5.14	4.80	-1.49	-6.04e-03	1.99	-2.20
		-2.20	0.30	-1.21e-03	0.0	160.0	5.14	-0.97	-1.49	-6.04e-03	0.30	0.86
169	119	5.31	-0.46	-5.49e-05	-5.77	0.0	-9.83	-2.75	2.78	0.01	-3.76	5.31

		-3.70	-3.76	2.04e-03	0.0	160.0	-9.83	-8.52	2.78	0.01	-0.46	-3.70
169	120	9.10	-1.09	-7.03e-05	-5.77	0.0	-7.21	-6.58	1.42	0.02	-2.12	9.10
		-6.05	-2.12	4.63e-03	0.0	160.0	-7.21	-12.36	1.42	0.02	-1.09	-6.05
169	121	4.56	2.04	2.44e-04	-5.77	0.0	6.79	10.87	-1.36	-0.02	2.04	-8.22
		-8.22	1.12	-4.70e-03	0.0	160.0	6.79	5.10	-1.36	-0.02	1.12	4.56
169	122	2.21	3.68	2.73e-04	-5.77	0.0	9.41	7.04	-2.72	-0.01	3.68	-4.43
		-4.43	0.49	-2.10e-03	0.0	160.0	9.41	1.26	-2.72	-0.01	0.49	2.21
170	1	1.22	0.02	1.93e-05	-8.47	0.0	-0.10	4.04	9.72e-04	-3.01e-04	0.02	-0.31
		-0.63	0.02	-1.13e-04	0.0	160.0	-0.10	-4.43	9.72e-04	-3.01e-04	0.02	-0.63
170	2	1.21	0.04	2.58e-05	-8.47	0.0	0.08	3.88	-7.30e-03	-3.75e-04	0.04	-0.21
		-0.78	0.03	-1.33e-04	0.0	160.0	0.08	-4.59	-7.30e-03	-3.75e-04	0.03	-0.78
170	3	0.68	0.01	1.40e-05	-4.81	0.0	-0.06	2.23	1.10e-03	-2.76e-04	0.01	-0.14
		-0.43	0.01	-1.03e-04	0.0	160.0	-0.06	-2.58	1.10e-03	-2.76e-04	0.01	-0.43
170	6	1.22	0.03	2.55e-05	-8.47	0.0	0.09	3.84	-2.10e-03	-5.72e-04	0.03	-0.18
		-0.80	0.03	-1.90e-04	0.0	160.0	0.09	-4.62	-2.10e-03	-5.72e-04	0.03	-0.80
170	8	0.68	0.03	2.02e-05	-4.81	0.0	0.12	2.04	-1.96e-03	-5.48e-04	0.03	-8.35e-03
		-0.60	0.03	-1.80e-04	0.0	160.0	0.12	-2.78	-1.96e-03	-5.48e-04	0.03	-0.60
170	9	0.83	0.01	1.40e-05	-5.77	0.0	-0.09	2.75	7.50e-05	-1.84e-04	0.01	-0.22
		-0.44	0.01	-7.44e-05	0.0	160.0	-0.09	-3.02	7.50e-05	-1.84e-04	0.01	-0.44
170	10	0.82	0.03	1.83e-05	-5.77	0.0	0.03	2.65	-5.44e-03	-2.34e-04	0.03	-0.15
		-0.54	0.02	-8.76e-05	0.0	160.0	0.03	-3.13	-5.44e-03	-2.34e-04	0.02	-0.54
170	11	0.83	0.02	1.51e-05	-5.77	0.0	-0.05	2.69	1.89e-03	-3.30e-04	0.01	-0.17
		-0.48	0.01	-1.17e-04	0.0	160.0	-0.05	-3.08	1.89e-03	-3.30e-04	0.02	-0.48
170	12	0.82	0.02	1.81e-05	-5.77	0.0	0.04	2.62	-1.97e-03	-3.65e-04	0.02	-0.13
		-0.55	0.02	-1.26e-04	0.0	160.0	0.04	-3.15	-1.97e-03	-3.65e-04	0.02	-0.55
170	13	0.83	9.23e-03	1.23e-05	-5.77	0.0	-0.15	2.83	-2.65e-03	3.54e-05	9.23e-03	-0.28
		-0.37	4.99e-03	-1.11e-05	0.0	160.0	-0.15	-2.94	-2.65e-03	3.54e-05	4.99e-03	-0.37
170	14	0.82	0.02	1.45e-05	-5.77	0.0	-0.09	2.78	-5.40e-03	1.06e-05	0.02	-0.25
		-0.42	7.99e-03	-1.77e-05	0.0	160.0	-0.09	-2.99	-5.40e-03	1.06e-05	7.99e-03	-0.42
170	16	0.82	0.01	1.42e-05	-5.77	0.0	-0.10	2.77	-3.39e-03	-5.26e-05	0.01	-0.24
		-0.42	9.03e-03	-3.62e-05	0.0	160.0	-0.10	-3.00	-3.39e-03	-5.26e-05	9.03e-03	-0.42
170	17	0.83	9.23e-03	1.23e-05	-5.77	0.0	-0.15	2.83	-2.65e-03	3.54e-05	9.23e-03	-0.28
		-0.37	4.99e-03	-1.11e-05	0.0	160.0	-0.15	-2.94	-2.65e-03	3.54e-05	4.99e-03	-0.37
170	18	0.82	0.01	1.36e-05	-5.77	0.0	-0.12	2.80	-4.30e-03	2.05e-05	0.01	-0.26
		-0.40	6.79e-03	-1.51e-05	0.0	160.0	-0.12	-2.97	-4.30e-03	2.05e-05	6.79e-03	-0.40
170	23	2.38	-0.39	5.29e-05	-5.77	0.0	-8.90	-0.46	0.92	2.86e-03	-0.39	2.38
		-2.98	-0.96	1.58e-03	0.0	160.0	-8.90	-6.24	0.92	2.86e-03	-0.96	-2.98
170	24	4.33	-0.90	8.79e-05	-5.77	0.0	-6.53	-2.90	0.49	6.89e-03	-0.90	4.33
		-4.94	-1.99	3.10e-03	0.0	160.0	-6.53	-8.68	0.49	6.89e-03	-1.99	-4.94
170	26	2.19	0.98	-3.87e-05	-5.77	0.0	8.67	6.07	-0.93	-2.82e-03	0.41	-2.90
		-2.90	0.41	-1.61e-03	0.0	160.0	8.67	0.29	-0.93	-2.82e-03	0.98	2.19
170	44	4.07	-1.04	8.90e-05	-5.77	0.0	1.55	-2.61	-0.51	8.21e-03	-1.04	4.07
		-4.72	-2.15	3.22e-03	0.0	160.0	1.55	-8.38	-0.51	8.21e-03	-2.15	-4.72
170	45	3.93	2.17	-7.35e-05	-5.77	0.0	-1.79	8.21	0.50	-8.16e-03	1.07	-4.60
		-4.60	1.07	-3.25e-03	0.0	160.0	-1.79	2.44	0.50	-8.16e-03	2.17	3.93
170	55	1.70	-0.30	4.27e-05	-5.77	0.0	-6.72	0.40	0.70	2.18e-03	-0.30	1.68
		-2.30	-0.73	1.19e-03	0.0	160.0	-6.72	-5.38	0.70	2.18e-03	-0.73	-2.30
170	56	3.15	-0.70	6.92e-05	-5.77	0.0	-4.90	-1.44	0.36	5.26e-03	-0.70	3.15
		-3.78	-1.50	2.34e-03	0.0	160.0	-4.90	-7.22	0.36	5.26e-03	-1.50	-3.78
170	58	1.55	0.74	-2.92e-05	-5.77	0.0	6.49	5.21	-0.70	-2.13e-03	0.33	-2.21
		-2.21	0.33	-1.22e-03	0.0	160.0	6.49	-0.57	-0.70	-2.13e-03	0.74	1.50
170	76	2.99	-0.80	7.05e-05	-5.77	0.0	1.21	-1.27	-0.41	6.27e-03	-0.80	2.99
		-3.65	-1.63	2.44e-03	0.0	160.0	1.21	-7.04	-0.41	6.27e-03	-1.63	-3.65
170	77	2.85	1.64	-5.49e-05	-5.77	0.0	-1.45	6.87	0.40	-6.23e-03	0.83	-3.52
		-3.52	0.83	-2.47e-03	0.0	160.0	-1.45	1.10	0.40	-6.23e-03	1.64	2.85
170	87	1.52	-0.27	3.94e-05	-5.77	0.0	-5.98	0.68	0.62	1.94e-03	-0.27	1.46
		-2.08	-0.64	1.05e-03	0.0	160.0	-5.98	-5.10	0.62	1.94e-03	-0.64	-2.08
170	88	2.76	-0.62	6.29e-05	-5.77	0.0	-4.36	-0.96	0.32	4.67e-03	-0.62	2.76
		-3.39	-1.33	2.08e-03	0.0	160.0	-4.36	-6.74	0.32	4.67e-03	-1.33	-3.39
170	90	1.38	0.66	-2.64e-05	-5.77	0.0	5.75	4.93	-0.63	-1.90e-03	0.29	-1.98
		-1.98	0.29	-1.08e-03	0.0	160.0	5.75	-0.85	-0.63	-1.90e-03	0.66	1.28
170	108	2.63	-0.72	6.41e-05	-5.77	0.0	1.07	-0.81	-0.36	5.57e-03	-0.72	2.63
		-3.28	-1.44	2.17e-03	0.0	160.0	1.07	-6.58	-0.36	5.57e-03	-1.44	-3.28
170	109	2.49	1.46	-4.86e-05	-5.77	0.0	-1.30	6.41	0.36	-5.53e-03	0.74	-3.15
		-3.15	0.74	-2.20e-03	0.0	160.0	-1.30	0.64	0.36	-5.53e-03	1.46	2.49
170	119	2.92	-0.46	6.08e-05	-5.77	0.0	-10.59	-1.13	1.09	3.42e-03	-0.46	2.92
		-3.51	-1.14	1.88e-03	0.0	160.0	-10.59	-6.90	1.09	3.42e-03	-1.14	-3.51
170	120	5.26	-1.08	1.04e-04	-5.77	0.0	-7.79	-4.07	0.58	8.22e-03	-1.08	5.26
		-5.86	-2.38	3.70e-03	0.0	160.0	-7.79	-9.84	0.58	8.22e-03	-2.38	-5.86
170	122	2.71	1.15	-4.63e-05	-5.77	0.0	10.35	6.73	-1.10	-3.38e-03	0.49	-3.44
		-3.44	0.49	-1.91e-03	0.0	160.0	10.35	0.96	-1.10	-3.38e-03	1.15	2.71
170	140	4.96	-1.25	1.05e-04	-5.77	0.0	1.82	-3.72	-0.60	9.76e-03	-1.25	4.96
		-5.61	-2.58	3.87e-03	0.0	160.0	1.82	-9.49	-0.60	9.76e-03	-2.58	-5.61
170	141	4.81	2.60	-8.91e-05	-5.77	0.0	-2.05	9.32	0.60	-9.72e-03	1.28	-5.48
		-5.48	1.28	-3.90e-03	0.0	160.0	-2.05	3.55	0.60	-9.72e-03	2.60	4.81

171	1	1.31	0.02	-3.49e-05	-8.47	0.0	-0.03	4.04	-4.60e-03	-3.74e-04	0.02	-0.23
		-0.54	9.07e-03	-8.34e-05	0.0	160.0	-0.03	-4.42	-4.60e-03	-3.74e-04	9.07e-03	-0.54
171	4	0.76	0.02	-2.11e-05	-4.81	0.0	0.23	2.07	-0.02	-3.97e-04	0.02	0.05
		-0.50	-3.31e-03	-8.09e-05	0.0	160.0	0.23	-2.75	-0.02	-3.97e-04	-3.31e-03	-0.50
171	6	1.32	0.03	-3.43e-05	-8.47	0.0	0.23	3.85	-0.01	-6.85e-04	0.03	-0.08
		-0.70	5.30e-03	-1.38e-04	0.0	160.0	0.23	-4.62	-0.01	-6.85e-04	5.30e-03	-0.70
171	8	0.76	0.03	-2.08e-05	-4.81	0.0	0.25	2.04	-0.02	-6.73e-04	0.03	0.07
		-0.52	1.80e-03	-1.32e-04	0.0	160.0	0.25	-2.78	-0.02	-6.73e-04	1.80e-03	-0.52
171	9	0.89	0.01	-2.46e-05	-5.77	0.0	-0.04	2.75	-3.64e-03	-2.33e-04	0.01	-0.16
		-0.37	5.61e-03	-5.39e-05	0.0	160.0	-0.04	-3.02	-3.64e-03	-2.33e-04	5.61e-03	-0.37
171	10	0.90	0.02	-2.44e-05	-5.77	0.0	0.11	2.64	-0.01	-2.57e-04	0.02	-0.07
		-0.46	-2.99e-04	-5.65e-05	0.0	160.0	0.11	-3.13	-0.01	-2.57e-04	-2.99e-04	-0.46
171	12	0.90	0.02	-2.42e-05	-5.77	0.0	0.13	2.62	-0.01	-4.40e-04	0.02	-0.05
		-0.48	3.11e-03	-9.04e-05	0.0	160.0	0.13	-3.15	-0.01	-4.40e-04	3.11e-03	-0.48
171	13	0.89	4.98e-03	-2.51e-05	-5.77	0.0	-0.13	2.83	-1.13e-03	5.30e-05	4.98e-03	-0.22
		-0.31	3.17e-03	-1.76e-06	0.0	160.0	-0.13	-2.94	-1.13e-03	5.30e-05	3.17e-03	-0.31
171	14	0.89	7.94e-03	-2.50e-05	-5.77	0.0	-0.05	2.78	-4.83e-03	4.13e-05	7.94e-03	-0.18
		-0.35	2.09e-04	-3.05e-06	0.0	160.0	-0.05	-3.00	-4.83e-03	4.13e-05	2.09e-04	-0.35
171	15	0.89	7.13e-03	-2.49e-05	-5.77	0.0	-0.10	2.81	-1.97e-03	-4.23e-05	7.13e-03	-0.20
		-0.33	3.98e-03	-1.91e-05	0.0	160.0	-0.10	-2.97	-1.97e-03	-4.23e-05	3.98e-03	-0.33
171	16	0.89	8.91e-03	-2.48e-05	-5.77	0.0	-0.06	2.77	-4.19e-03	-4.94e-05	8.91e-03	-0.17
		-0.36	2.21e-03	-1.99e-05	0.0	160.0	-0.06	-3.00	-4.19e-03	-4.94e-05	2.21e-03	-0.36
171	17	0.89	4.98e-03	-2.51e-05	-5.77	0.0	-0.13	2.83	-1.13e-03	5.30e-05	4.98e-03	-0.22
		-0.31	3.17e-03	-1.76e-06	0.0	160.0	-0.13	-2.94	-1.13e-03	5.30e-05	3.17e-03	-0.31
171	18	0.89	6.76e-03	-2.50e-05	-5.77	0.0	-0.09	2.80	-3.35e-03	4.60e-05	6.76e-03	-0.20
		-0.33	1.39e-03	-2.53e-06	0.0	160.0	-0.09	-2.97	-3.35e-03	4.60e-05	1.39e-03	-0.33
171	23	2.39	-0.96	3.51e-05	-5.77	0.0	-9.64	-0.35	-0.48	4.89e-03	-0.96	2.39
		-2.78	-0.97	1.29e-04	0.0	160.0	-9.64	-6.12	-0.48	4.89e-03	-0.97	-2.78
171	24	4.30	-1.96	5.90e-05	-5.77	0.0	-7.07	-2.75	-0.37	2.56e-03	-1.99	4.30
		-4.73	-1.99	-1.18e-04	0.0	160.0	-7.07	-8.53	-0.37	2.56e-03	-1.96	-4.73
171	26	2.12	0.98	-6.57e-05	-5.77	0.0	9.47	5.95	0.47	-4.80e-03	0.97	-2.79
		-2.79	0.97	-1.33e-04	0.0	160.0	9.47	0.17	0.47	-4.80e-03	0.98	2.12
171	40	3.61	-2.06	3.78e-05	-5.77	0.0	2.53	-1.99	-0.51	-1.52e-03	-2.06	3.61
		-4.21	-2.36	5.63e-04	0.0	160.0	2.53	-7.77	-0.51	-1.52e-03	-2.36	-4.21
171	41	3.54	2.36	-7.28e-05	-5.77	0.0	-2.70	7.60	0.50	1.61e-03	2.07	-4.00
		-4.00	2.07	-5.68e-04	0.0	160.0	-2.70	1.82	0.50	1.61e-03	2.36	3.54
171	55	1.74	-0.72	2.22e-05	-5.77	0.0	-7.30	0.48	-0.38	3.74e-03	-0.72	1.71
		-2.14	-0.74	1.00e-04	0.0	160.0	-7.30	-5.29	-0.38	3.74e-03	-0.74	-2.14
171	56	3.15	-1.49	3.96e-05	-5.77	0.0	-5.31	-1.34	-0.30	2.01e-03	-1.50	3.15
		-3.61	-1.50	7.83e-05	0.0	160.0	-5.31	-7.11	-0.30	2.01e-03	-1.49	-3.61
171	58	1.53	0.74	-5.34e-05	-5.77	0.0	7.13	5.12	0.38	-3.65e-03	0.74	-2.10
		-2.10	0.74	-1.04e-04	0.0	160.0	7.13	-0.65	0.38	-3.65e-03	0.74	1.47
171	72	2.66	-1.55	2.43e-05	-5.77	0.0	1.86	-0.81	-0.41	-1.23e-03	-1.55	2.66
		-3.25	-1.79	4.39e-04	0.0	160.0	1.86	-6.58	-0.41	-1.23e-03	-1.79	-3.25
171	73	2.59	1.79	-5.93e-05	-5.77	0.0	-2.03	6.41	0.40	1.32e-03	1.57	-3.05
		-3.05	1.57	-4.44e-04	0.0	160.0	-2.03	0.63	0.40	1.32e-03	1.79	2.59
171	87	1.57	-0.64	1.82e-05	-5.77	0.0	-6.50	0.75	-0.34	3.33e-03	-0.64	1.49
		-1.93	-0.65	8.92e-05	0.0	160.0	-6.50	-5.03	-0.34	3.33e-03	-0.65	-1.93
171	88	2.77	-1.32	3.36e-05	-5.77	0.0	-4.72	-0.87	-0.27	1.80e-03	-1.33	2.77
		-3.24	-1.33	7.02e-05	0.0	160.0	-4.72	-6.64	-0.27	1.80e-03	-1.32	-3.24
171	90	1.38	0.66	-4.95e-05	-5.77	0.0	6.33	4.85	0.34	-3.23e-03	0.65	-1.88
		-1.88	0.65	-9.32e-05	0.0	160.0	6.33	-0.92	0.34	-3.23e-03	0.66	1.27
171	104	2.34	-1.38	1.99e-05	-5.77	0.0	1.64	-0.40	-0.37	-1.10e-03	-1.38	2.34
		-2.93	-1.59	3.91e-04	0.0	160.0	1.64	-6.18	-0.37	-1.10e-03	-1.59	-2.93
171	105	2.26	1.59	-5.49e-05	-5.77	0.0	-1.81	6.00	0.36	1.19e-03	1.39	-2.73
		-2.73	1.39	-3.96e-04	0.0	160.0	-1.81	0.23	0.36	1.19e-03	1.59	2.26
171	119	2.92	-1.14	4.46e-05	-5.77	0.0	-11.45	-0.99	-0.56	5.81e-03	-1.14	2.92
		-3.28	-1.15	1.54e-04	0.0	160.0	-11.45	-6.76	-0.56	5.81e-03	-1.15	-3.28
171	120	5.22	-2.34	7.39e-05	-5.77	0.0	-8.43	-3.89	-0.44	3.01e-03	-2.37	5.22
		-5.63	-2.37	-1.50e-04	0.0	160.0	-8.43	-9.67	-0.44	3.01e-03	-2.34	-5.63
171	122	2.62	1.16	-7.51e-05	-5.77	0.0	11.28	6.59	0.56	-5.72e-03	1.15	-3.31
		-3.31	1.15	-1.58e-04	0.0	160.0	11.28	0.82	0.56	-5.72e-03	1.16	2.62
171	136	4.38	-2.47	4.82e-05	-5.77	0.0	3.05	-2.98	-0.60	-1.79e-03	-2.47	4.38
		-5.01	-2.83	6.67e-04	0.0	160.0	3.05	-8.75	-0.60	-1.79e-03	-2.83	-5.01
171	137	4.34	2.83	-8.33e-05	-5.77	0.0	-3.22	8.58	0.59	1.88e-03	2.48	-4.77
		-4.77	2.48	-6.72e-04	0.0	160.0	-3.22	2.80	0.59	1.88e-03	2.83	4.34
172	1	1.33	9.04e-03	4.37e-05	-8.47	0.0	-0.10	3.71	-7.87e-03	-3.73e-04	9.04e-03	0.03
		-0.81	-3.54e-03	-6.74e-05	0.0	160.0	-0.10	-4.76	-7.87e-03	-3.73e-04	-3.54e-03	-0.81
172	4	0.80	-3.23e-03	5.28e-05	-4.81	0.0	0.16	1.66	-0.02	-5.87e-04	-3.23e-03	0.34
		-0.85	-0.03	-8.71e-05	0.0	160.0	0.16	-3.15	-0.02	-5.87e-04	-0.03	-0.85
172	5	1.33	0.01	5.62e-05	-8.47	0.0	-0.02	3.55	-0.01	-6.90e-04	0.01	0.14
		-0.95	-7.34e-03	-1.15e-04	0.0	160.0	-0.02	-4.91	-0.01	-6.90e-04	-7.34e-03	-0.95
172	6	1.35	5.38e-03	7.02e-05	-8.47	0.0	0.14	3.34	-0.02	-8.28e-04	5.38e-03	0.30
		-1.14	-0.02	-1.29e-04	0.0	160.0	0.14	-5.13	-0.02	-8.28e-04	-0.02	-1.14
172	8	0.81	1.90e-03	5.93e-05	-4.81	0.0	0.18	1.60	-0.02	-8.44e-04	1.90e-03	0.39

		-0.90	-0.03	-1.29e-04	0.0	160.0	0.18	-3.21	-0.02	-8.44e-04	-0.03	-0.90
172	9	0.90	5.59e-03	2.94e-05	-5.77	0.0	-0.10	2.52	-5.97e-03	-2.35e-04	5.59e-03	0.03
		-0.57	-3.96e-03	-4.40e-05	0.0	160.0	-0.10	-3.26	-5.97e-03	-2.35e-04	-3.96e-03	-0.57
172	10	0.91	-2.70e-04	4.28e-05	-5.77	0.0	0.05	2.31	-0.01	-3.67e-04	-2.70e-04	0.18
		-0.75	-0.02	-5.72e-05	0.0	160.0	0.05	-3.46	-0.01	-3.67e-04	-0.02	-0.75
172	11	0.91	7.25e-03	3.77e-05	-5.77	0.0	-0.04	2.41	-8.59e-03	-4.46e-04	7.25e-03	0.10
		-0.65	-6.49e-03	-7.59e-05	0.0	160.0	-0.04	-3.36	-8.59e-03	-4.46e-04	-6.49e-03	-0.65
172	12	0.92	3.15e-03	4.71e-05	-5.77	0.0	0.07	2.27	-0.01	-5.38e-04	3.15e-03	0.21
		-0.78	-0.02	-8.51e-05	0.0	160.0	0.07	-3.50	-0.01	-5.38e-04	-0.02	-0.78
172	13	0.90	3.10e-03	1.69e-05	-5.77	0.0	-0.19	2.67	-2.03e-03	8.08e-05	3.10e-03	-0.09
		-0.43	-1.58e-04	3.81e-06	0.0	160.0	-0.19	-3.10	-2.03e-03	8.08e-05	-1.58e-04	-0.43
172	14	0.90	1.67e-04	2.36e-05	-5.77	0.0	-0.11	2.57	-5.14e-03	1.51e-05	1.67e-04	-0.01
		-0.52	-8.05e-03	-2.76e-06	0.0	160.0	-0.11	-3.21	-5.14e-03	1.51e-05	-8.05e-03	-0.52
172	15	0.90	3.93e-03	2.10e-05	-5.77	0.0	-0.16	2.62	-3.34e-03	-2.46e-05	3.93e-03	-0.05
		-0.48	-1.42e-03	-1.21e-05	0.0	160.0	-0.16	-3.15	-3.34e-03	-2.46e-05	-1.42e-03	-0.48
172	16	0.90	2.17e-03	2.51e-05	-5.77	0.0	-0.11	2.56	-5.21e-03	-6.41e-05	2.17e-03	-4.32e-03
		-0.53	-6.16e-03	-1.61e-05	0.0	160.0	-0.11	-3.22	-5.21e-03	-6.41e-05	-6.16e-03	-0.53
172	17	0.90	3.10e-03	1.69e-05	-5.77	0.0	-0.19	2.67	-2.03e-03	8.08e-05	3.10e-03	-0.09
		-0.43	-1.58e-04	3.81e-06	0.0	160.0	-0.19	-3.10	-2.03e-03	8.08e-05	-1.58e-04	-0.43
172	18	0.90	1.34e-03	2.09e-05	-5.77	0.0	-0.14	2.61	-3.90e-03	4.14e-05	1.34e-03	-0.04
		-0.49	-4.89e-03	0.0	0.0	160.0	-0.14	-3.16	-3.90e-03	4.14e-05	-4.89e-03	-0.49
172	23	5.06	-0.65	7.30e-04	-5.77	0.0	-12.26	-4.13	-0.73	-3.07e-03	-0.98	5.06
		-6.17	-0.98	-1.49e-03	0.0	160.0	-12.26	-9.91	-0.73	-3.07e-03	-0.65	-6.17
172	24	8.37	-1.25	1.09e-03	-5.77	0.0	-8.93	-8.62	-0.40	-8.85e-03	-1.97	8.37
		-10.04	-1.97	-3.40e-03	0.0	160.0	-8.93	-14.39	-0.40	-8.85e-03	-1.25	-10.04
172	25	9.07	1.97	-1.05e-03	-5.77	0.0	8.64	13.84	0.39	8.93e-03	1.97	-8.46
		-8.46	1.24	3.40e-03	0.0	160.0	8.64	8.07	0.39	8.93e-03	1.24	9.07
172	26	5.20	0.98	-6.89e-04	-5.77	0.0	11.97	9.35	0.72	3.15e-03	0.98	-5.14
		-5.14	0.64	1.49e-03	0.0	160.0	11.97	3.58	0.72	3.15e-03	0.64	5.20
172	40	6.60	-1.65	-4.74e-04	-5.77	0.0	3.33	-6.36	0.33	-9.89e-03	-2.36	6.60
		-8.19	-2.36	-3.44e-03	0.0	160.0	3.33	-12.13	0.33	-9.89e-03	-1.65	-8.19
172	41	7.22	2.37	5.16e-04	-5.77	0.0	-3.61	11.58	-0.34	9.97e-03	2.37	-6.69
		-6.69	1.64	3.44e-03	0.0	160.0	-3.61	5.80	-0.34	9.97e-03	1.64	7.22
172	55	3.70	-0.50	5.39e-04	-5.77	0.0	-9.27	-2.34	-0.56	-2.32e-03	-0.74	3.70
		-4.66	-0.74	-1.11e-03	0.0	160.0	-9.27	-8.11	-0.56	-2.32e-03	-0.50	-4.66
172	56	6.20	-0.96	8.13e-04	-5.77	0.0	-6.70	-5.72	-0.30	-6.69e-03	-1.49	6.20
		-7.58	-1.49	-2.55e-03	0.0	160.0	-6.70	-11.50	-0.30	-6.69e-03	-0.96	-7.58
172	57	6.61	1.49	-7.71e-04	-5.77	0.0	6.41	10.95	0.29	6.77e-03	1.49	-6.29
		-6.29	0.95	2.55e-03	0.0	160.0	6.41	5.17	0.29	6.77e-03	0.95	6.61
172	58	3.69	0.74	-4.97e-04	-5.77	0.0	8.98	7.56	0.55	2.40e-03	0.74	-3.78
		-3.78	0.49	1.11e-03	0.0	160.0	8.98	1.78	0.55	2.40e-03	0.49	3.69
172	72	4.94	-1.26	-3.45e-04	-5.77	0.0	2.43	-4.11	0.27	-7.48e-03	-1.79	4.94
		-6.27	-1.79	-2.59e-03	0.0	160.0	2.43	-9.89	0.27	-7.48e-03	-1.26	-6.27
172	73	5.29	1.80	3.87e-04	-5.77	0.0	-2.72	9.33	-0.28	7.56e-03	1.80	-5.02
		-5.02	1.26	2.59e-03	0.0	160.0	-2.72	3.56	-0.28	7.56e-03	1.26	5.29
172	87	3.27	-0.44	4.79e-04	-5.77	0.0	-8.25	-1.77	-0.50	-2.05e-03	-0.66	3.27
		-4.18	-0.66	-9.88e-04	0.0	160.0	-8.25	-7.54	-0.50	-2.05e-03	-0.44	-4.18
172	88	5.49	-0.86	7.22e-04	-5.77	0.0	-5.96	-4.77	-0.27	-5.94e-03	-1.32	5.49
		-6.77	-1.32	-2.27e-03	0.0	160.0	-5.96	-10.55	-0.27	-5.94e-03	-0.86	-6.77
172	89	5.80	1.33	-6.80e-04	-5.77	0.0	5.67	9.99	0.26	6.02e-03	1.33	-5.57
		-5.57	0.85	2.27e-03	0.0	160.0	5.67	4.22	0.26	6.02e-03	0.85	5.80
172	90	3.21	0.66	-4.37e-04	-5.77	0.0	7.96	6.99	0.49	2.14e-03	0.66	-3.35
		-3.35	0.43	9.87e-04	0.0	160.0	7.96	1.21	0.49	2.14e-03	0.43	3.21
172	104	4.37	-1.13	-3.03e-04	-5.77	0.0	2.14	-3.35	0.24	-6.64e-03	-1.59	4.37
		-5.61	-1.59	-2.30e-03	0.0	160.0	2.14	-9.13	0.24	-6.64e-03	-1.13	-5.61
172	105	4.64	1.60	3.45e-04	-5.77	0.0	-2.43	8.57	-0.25	6.72e-03	1.60	-4.46
		-4.46	1.12	2.30e-03	0.0	160.0	-2.43	2.80	-0.25	6.72e-03	1.12	4.64
172	119	6.09	-0.77	8.74e-04	-5.77	0.0	-14.57	-5.50	-0.86	-3.70e-03	-1.16	6.09
		-7.33	-1.16	-1.77e-03	0.0	160.0	-14.57	-11.27	-0.86	-3.70e-03	-0.77	-7.33
172	120	10.08	-1.50	1.31e-03	-5.77	0.0	-10.65	-10.90	-0.47	-0.01	-2.35	10.08
		-11.98	-2.35	-4.08e-03	0.0	160.0	-10.65	-16.67	-0.47	-0.01	-1.50	-11.98
172	121	11.01	2.35	-1.27e-03	-5.77	0.0	10.36	16.12	0.46	0.01	2.35	-10.17
		-10.17	1.49	4.08e-03	0.0	160.0	10.36	10.35	0.46	0.01	1.49	11.01
172	122	6.36	1.16	-8.32e-04	-5.77	0.0	14.28	10.72	0.85	3.79e-03	1.16	-6.17
		-6.17	0.76	1.77e-03	0.0	160.0	14.28	4.94	0.85	3.79e-03	0.76	6.36
172	136	7.94	-1.98	-5.77e-04	-5.77	0.0	4.03	-8.17	0.39	-0.01	-2.83	7.94
		-9.75	-2.83	-4.14e-03	0.0	160.0	4.03	-13.94	0.39	-0.01	-1.98	-9.75
172	137	8.78	2.83	6.19e-04	-5.77	0.0	-4.31	13.39	-0.40	0.01	2.83	-8.03
		-8.03	1.97	4.14e-03	0.0	160.0	-4.31	7.62	-0.40	0.01	1.97	8.78
173	1	1.28	8.82e-03	-1.07e-04	-8.47	0.0	5.39	4.37	7.98e-03	-9.06e-04	-3.95e-03	-0.52
		-0.52	-3.95e-03	-7.16e-05	0.0	160.0	5.39	-4.10	7.98e-03	-9.06e-04	8.82e-03	-0.31
173	2	1.25	-0.03	-1.79e-04	-8.47	0.0	5.84	4.44	-0.01	-1.44e-03	-0.03	-0.61
		-0.61	-0.05	-1.37e-04	0.0	160.0	5.84	-4.03	-0.01	-1.44e-03	-0.05	-0.28
173	3	0.71	-6.15e-03	-9.33e-05	-4.81	0.0	3.72	2.51	1.55e-03	-7.73e-04	-8.63e-03	-0.34
		-0.34	-8.63e-03	-8.11e-05	0.0	160.0	3.72	-2.30	1.55e-03	-7.73e-04	-6.15e-03	-0.17

173	4	0.68	-0.03	-1.66e-04	-4.81	0.0	4.16	2.58	-0.02	-1.31e-03	-0.03	-0.42
		-0.42	-0.06	-1.46e-04	0.0	160.0	4.16	-2.23	-0.02	-1.31e-03	-0.06	-0.14
173	6	1.24	-0.02	-1.90e-04	-8.47	0.0	5.82	4.45	-0.01	-1.71e-03	-0.02	-0.62
		-0.62	-0.04	-1.72e-04	0.0	160.0	5.82	-4.02	-0.01	-1.71e-03	-0.04	-0.28
173	9	0.87	4.40e-03	-7.70e-05	-5.77	0.0	3.93	2.98	5.39e-03	-6.01e-04	-4.23e-03	-0.36
		-0.36	-4.23e-03	-4.97e-05	0.0	160.0	3.93	-2.79	5.39e-03	-6.01e-04	4.40e-03	-0.21
173	10	0.85	-0.02	-1.26e-04	-5.77	0.0	4.23	3.03	-8.33e-03	-9.58e-04	-0.02	-0.42
		-0.42	-0.03	-9.30e-05	0.0	160.0	4.23	-2.74	-8.33e-03	-9.58e-04	-0.03	-0.19
173	12	0.84	-0.02	-1.33e-04	-5.77	0.0	4.21	3.04	-6.95e-03	-1.13e-03	-0.02	-0.43
		-0.43	-0.03	-1.17e-04	0.0	160.0	4.21	-2.74	-6.95e-03	-1.13e-03	-0.03	-0.19
173	13	0.89	0.02	-4.63e-05	-5.77	0.0	3.82	2.96	9.50e-03	-1.76e-04	-1.49e-04	-0.32
		-0.32	-1.49e-04	5.40e-06	0.0	160.0	3.82	-2.82	9.50e-03	-1.76e-04	0.02	-0.21
173	14	0.88	-3.90e-03	-6.86e-05	-5.77	0.0	3.97	2.98	2.64e-03	-3.55e-04	-8.12e-03	-0.35
		-0.35	-8.12e-03	-1.63e-05	0.0	160.0	3.97	-2.80	2.64e-03	-3.55e-04	-3.90e-03	-0.21
173	16	0.87	1.29e-04	-6.98e-05	-5.77	0.0	3.94	2.98	4.01e-03	-4.25e-04	-6.29e-03	-0.35
		-0.35	-6.29e-03	-2.59e-05	0.0	160.0	3.94	-2.80	4.01e-03	-4.25e-04	1.29e-04	-0.21
173	17	0.89	0.02	-4.63e-05	-5.77	0.0	3.82	2.96	9.50e-03	-1.76e-04	-1.49e-04	-0.32
		-0.32	-1.49e-04	5.40e-06	0.0	160.0	3.82	-2.82	9.50e-03	-1.76e-04	0.02	-0.21
173	18	0.88	3.68e-03	-5.89e-05	-5.77	0.0	3.91	2.97	5.38e-03	-2.83e-04	-4.93e-03	-0.34
		-0.34	-4.93e-03	-7.59e-06	0.0	160.0	3.91	-2.80	5.38e-03	-2.83e-04	3.68e-03	-0.21
173	19	-0.06	-0.55	-1.72e-03	-5.77	0.0	-10.61	3.71	-2.24	-7.96e-03	-0.55	-1.79
		-1.79	-2.75	-2.19e-03	0.0	160.0	-10.61	-2.07	-2.24	-7.96e-03	-2.75	-0.76
173	22	1.91	2.76	1.60e-03	-5.77	0.0	18.42	2.23	2.25	7.39e-03	0.54	1.11
		0.34	0.54	2.18e-03	0.0	160.0	18.42	-3.54	2.25	7.39e-03	2.76	0.34
173	24	-0.31	-1.27	-2.35e-03	-5.77	0.0	-4.94	4.41	-1.25	-0.02	-1.27	-2.89
		-2.89	-1.74	-5.10e-03	0.0	160.0	-4.94	-1.36	-1.25	-0.02	-1.74	-0.60
173	25	2.57	1.75	2.23e-03	-5.77	0.0	12.75	1.53	1.26	0.02	1.26	2.20
		0.18	1.26	5.08e-03	0.0	160.0	12.75	-4.25	1.26	0.02	1.75	0.18
173	51	0.17	-0.43	-1.29e-03	-5.77	0.0	-6.79	3.52	-1.68	-6.01e-03	-0.43	-1.41
		-1.41	-2.05	-1.66e-03	0.0	160.0	-6.79	-2.25	-1.68	-6.01e-03	-2.05	-0.62
173	54	1.64	2.06	1.17e-03	-5.77	0.0	14.61	2.42	1.69	5.45e-03	0.42	0.73
		0.20	0.42	1.64e-03	0.0	160.0	14.61	-3.36	1.69	5.45e-03	2.06	0.20
173	56	-0.05	-0.98	-1.77e-03	-5.77	0.0	-2.55	4.05	-0.94	-0.01	-0.98	-2.24
		-2.24	-1.29	-3.85e-03	0.0	160.0	-2.55	-1.72	-0.94	-0.01	-1.29	-0.50
173	57	2.09	1.30	1.65e-03	-5.77	0.0	10.36	1.89	0.95	0.01	0.97	1.56
		0.09	0.97	3.84e-03	0.0	160.0	10.36	-3.89	0.95	0.01	1.30	0.09
173	83	0.25	-0.38	-1.15e-03	-5.77	0.0	-5.57	3.46	-1.49	-5.36e-03	-0.38	-1.29
		-1.29	-1.82	-1.47e-03	0.0	160.0	-5.57	-2.32	-1.49	-5.36e-03	-1.82	-0.57
173	86	1.55	1.82	1.03e-03	-5.77	0.0	13.38	2.48	1.50	4.80e-03	0.37	0.61
		0.16	0.37	1.46e-03	0.0	160.0	13.38	-3.29	1.50	4.80e-03	1.82	0.16
173	88	0.04	-0.87	-1.57e-03	-5.77	0.0	-1.80	3.93	-0.83	-0.01	-0.87	-2.02
		-2.02	-1.14	-3.42e-03	0.0	160.0	-1.80	-1.84	-0.83	-0.01	-1.14	-0.47
173	89	1.94	1.15	1.45e-03	-5.77	0.0	9.61	2.01	0.84	0.01	0.86	1.34
		0.05	0.86	3.40e-03	0.0	160.0	9.61	-3.77	0.84	0.01	1.15	0.05
173	115	-0.24	-0.65	-2.05e-03	-5.77	0.0	-13.46	3.86	-2.66	-9.52e-03	-0.65	-2.09
		-2.09	-3.27	-2.62e-03	0.0	160.0	-13.46	-1.92	-2.66	-9.52e-03	-3.27	-0.86
173	118	2.13	3.27	1.93e-03	-5.77	0.0	21.28	2.08	2.67	8.95e-03	0.64	1.41
		0.45	0.64	2.61e-03	0.0	160.0	21.28	-3.69	2.67	8.95e-03	3.27	0.45
173	120	-0.49	-1.52	-2.81e-03	-5.77	0.0	-6.69	4.71	-1.48	-0.02	-1.52	-3.41
		-3.41	-2.06	-6.12e-03	0.0	160.0	-6.69	-1.06	-1.48	-0.02	-2.06	-0.68
173	121	2.98	2.07	2.70e-03	-5.77	0.0	14.50	1.23	1.49	0.02	1.51	2.73
		0.26	1.51	6.11e-03	0.0	160.0	14.50	-4.55	1.49	0.02	2.07	0.26
174	1	1.30	0.02	8.96e-05	-8.47	0.0	5.69	4.08	7.61e-03	2.13e-04	5.99e-03	-0.27
		-0.52	5.99e-03	-5.82e-05	0.0	160.0	5.69	-4.39	7.61e-03	2.13e-04	0.02	-0.52
174	3	0.73	0.02	7.89e-05	-4.81	0.0	3.96	2.28	0.02	-1.50e-04	-8.38e-03	-0.14
		-0.33	-8.38e-03	-9.16e-05	0.0	160.0	3.96	-2.53	0.02	-1.50e-04	0.02	-0.33
174	4	0.69	0.06	1.62e-04	-4.81	0.0	4.37	2.20	0.09	-7.18e-04	-0.07	-0.11
		-0.44	-0.07	-2.54e-04	0.0	160.0	4.37	-2.62	0.09	-7.18e-04	0.06	-0.44
174	6	1.27	0.06	1.73e-04	-8.47	0.0	6.20	3.98	0.07	-4.41e-04	-0.05	-0.23
		-0.63	-0.05	-2.43e-04	0.0	160.0	6.20	-4.48	0.07	-4.41e-04	0.06	-0.63
174	8	0.70	0.07	1.62e-04	-4.81	0.0	4.47	2.19	0.08	-8.04e-04	-0.07	-0.10
		-0.44	-0.07	-2.77e-04	0.0	160.0	4.47	-2.62	0.08	-8.04e-04	0.07	-0.44
174	9	0.88	0.01	6.56e-05	-5.77	0.0	4.12	2.78	6.37e-03	1.05e-04	2.37e-03	-0.18
		-0.36	2.37e-03	-4.33e-05	0.0	160.0	4.12	-3.00	6.37e-03	1.05e-04	0.01	-0.36
174	10	0.86	0.04	1.21e-04	-5.77	0.0	4.40	2.72	0.05	-2.73e-04	-0.04	-0.16
		-0.43	-0.04	-1.52e-04	0.0	160.0	4.40	-3.06	0.05	-2.73e-04	0.04	-0.43
174	12	0.86	0.04	1.21e-04	-5.77	0.0	4.47	2.71	0.05	-3.30e-04	-0.04	-0.16
		-0.43	-0.04	-1.67e-04	0.0	160.0	4.47	-3.06	0.05	-3.30e-04	0.04	-0.43
174	13	0.89	0.01	4.05e-05	-5.77	0.0	3.90	2.81	-0.01	3.62e-04	0.01	-0.20
		-0.33	-2.68e-03	2.83e-05	0.0	160.0	3.90	-2.96	-0.01	3.62e-04	-2.68e-03	-0.33
174	14	0.88	0.01	6.81e-05	-5.77	0.0	4.03	2.78	0.01	1.73e-04	-8.28e-03	-0.19
		-0.36	-8.28e-03	-2.58e-05	0.0	160.0	4.03	-2.99	0.01	1.73e-04	0.01	-0.36
174	16	0.88	0.01	6.55e-05	-5.77	0.0	4.05	2.78	8.87e-03	1.63e-04	-3.27e-03	-0.19
		-0.36	-3.27e-03	-2.80e-05	0.0	160.0	4.05	-2.99	8.87e-03	1.63e-04	0.01	-0.36
174	17	0.89	0.01	4.05e-05	-5.77	0.0	3.90	2.81	-0.01	3.62e-04	0.01	-0.20

		-0.33	-2.68e-03	2.83e-05	0.0	160.0	3.90	-2.96	-0.01	3.62e-04	-2.68e-03	-0.33
174	18	0.88	5.84e-03	5.71e-05	-5.77	0.0	3.98	2.79	3.37e-03	2.48e-04	4.56e-04	-0.20
		-0.35	4.56e-04	-4.15e-06	0.0	160.0	3.98	-2.98	3.37e-03	2.48e-04	5.84e-03	-0.35
174	19	0.74	-1.94	-4.45e-04	-5.77	0.0	16.76	2.20	-1.57	-8.18e-03	-2.08	0.16
		-1.17	-2.08	2.38e-04	0.0	160.0	16.76	-3.57	-1.57	-8.18e-03	-1.94	-1.17
174	22	1.17	2.08	5.59e-04	-5.77	0.0	-8.80	3.38	1.57	8.67e-03	2.08	-0.56
		-0.56	1.95	-2.44e-04	0.0	160.0	-8.80	-2.39	1.57	8.67e-03	1.95	0.47
174	23	0.57	-1.90	-3.89e-04	-5.77	0.0	17.00	2.20	-1.55	-8.15e-03	-2.05	-0.07
		-1.23	-2.05	3.34e-04	0.0	160.0	17.00	-3.58	-1.55	-8.15e-03	-1.90	-1.23
174	26	1.30	2.05	5.03e-04	-5.77	0.0	-9.04	3.39	1.56	8.65e-03	2.05	-0.32
		-0.32	1.92	-3.40e-04	0.0	160.0	-9.04	-2.39	1.56	8.65e-03	1.92	0.54
174	40	-0.26	1.03	2.45e-03	-5.77	0.0	-0.93	0.83	0.51	-0.02	0.62	-0.44
		-3.24	0.62	-8.98e-03	0.0	160.0	-0.93	-4.95	0.51	-0.02	1.03	-3.24
174	41	2.78	-0.62	-2.34e-03	-5.77	0.0	8.89	4.76	-0.50	0.02	-0.62	0.05
		0.05	-1.02	8.97e-03	0.0	160.0	8.89	-1.02	-0.50	0.02	-1.02	2.54
174	51	0.77	-1.49	-3.12e-04	-5.77	0.0	13.43	2.35	-1.23	-6.04e-03	-1.56	0.08
		-0.97	-1.56	1.88e-04	0.0	160.0	13.43	-3.43	-1.23	-6.04e-03	-1.49	-0.97
174	54	1.08	1.56	4.27e-04	-5.77	0.0	-5.47	3.24	1.24	6.54e-03	1.56	-0.48
		-0.48	1.50	-1.94e-04	0.0	160.0	-5.47	-2.53	1.24	6.54e-03	1.50	0.27
174	55	0.64	-1.47	-2.70e-04	-5.77	0.0	13.63	2.34	-1.22	-6.02e-03	-1.54	-0.10
		-1.02	-1.54	2.74e-04	0.0	160.0	13.63	-3.43	-1.22	-6.02e-03	-1.47	-1.02
174	58	1.19	1.54	3.85e-04	-5.77	0.0	-5.67	3.24	1.23	6.52e-03	1.54	-0.29
		-0.29	1.48	-2.81e-04	0.0	160.0	-5.67	-2.53	1.23	6.52e-03	1.48	0.32
174	72	-0.06	0.78	1.86e-03	-5.77	0.0	0.31	1.30	0.39	-0.01	0.46	-0.39
		-2.53	0.46	-6.70e-03	0.0	160.0	0.31	-4.47	0.39	-0.01	0.78	-2.53
174	73	2.25	-0.46	-1.75e-03	-5.77	0.0	7.65	4.28	-0.38	0.01	-0.46	-4.82e-03
		-4.82e-03	-0.77	6.70e-03	0.0	160.0	7.65	-1.49	-0.38	0.01	-0.77	1.84
174	83	0.78	-1.33	-2.70e-04	-5.77	0.0	12.35	2.40	-1.10	-5.33e-03	-1.39	0.05
		-0.90	-1.39	1.67e-04	0.0	160.0	12.35	-3.38	-1.10	-5.33e-03	-1.33	-0.90
174	86	1.05	1.39	3.84e-04	-5.77	0.0	-4.39	3.19	1.11	5.82e-03	1.39	-0.45
		-0.45	1.34	-1.73e-04	0.0	160.0	-4.39	-2.58	1.11	5.82e-03	1.34	0.20
174	87	0.66	-1.30	-2.33e-04	-5.77	0.0	12.53	2.39	-1.09	-5.31e-03	-1.36	-0.11
		-0.94	-1.36	2.45e-04	0.0	160.0	12.53	-3.38	-1.09	-5.31e-03	-1.30	-0.94
174	90	1.15	1.36	3.47e-04	-5.77	0.0	-4.57	3.19	1.09	5.81e-03	1.36	-0.28
		-0.28	1.32	-2.52e-04	0.0	160.0	-4.57	-2.58	1.09	5.81e-03	1.32	0.25
174	104	0.02	0.69	1.66e-03	-5.77	0.0	0.72	1.47	0.35	-0.01	0.41	-0.37
		-2.29	0.41	-5.95e-03	0.0	160.0	0.72	-4.30	0.35	-0.01	0.69	-2.29
174	105	2.08	-0.41	-1.55e-03	-5.77	0.0	7.23	4.12	-0.34	0.01	-0.41	-0.03
		-0.03	-0.68	5.94e-03	0.0	160.0	7.23	-1.66	-0.34	0.01	-0.68	1.59
174	115	0.73	-2.31	-5.42e-04	-5.77	0.0	19.31	2.08	-1.86	-9.92e-03	-2.47	0.23
		-1.34	-2.47	2.61e-04	0.0	160.0	19.31	-3.70	-1.86	-9.92e-03	-2.31	-1.34
174	118	1.25	2.47	6.56e-04	-5.77	0.0	-11.36	3.51	1.86	0.01	2.47	-0.63
		-0.63	2.32	-2.67e-04	0.0	160.0	-11.36	-2.27	1.86	0.01	2.32	0.64
174	119	0.52	-2.26	-4.73e-04	-5.77	0.0	19.59	2.07	-1.84	-9.88e-03	-2.43	-0.05
		-1.42	-2.43	3.67e-04	0.0	160.0	19.59	-3.70	-1.84	-9.88e-03	-2.26	-1.42
174	122	1.40	2.43	5.87e-04	-5.77	0.0	-11.63	3.51	1.84	0.01	2.43	-0.35
		-0.35	2.27	-3.74e-04	0.0	160.0	-11.63	-2.26	1.84	0.01	2.27	0.72
174	136	-0.40	1.25	2.94e-03	-5.77	0.0	-1.93	0.42	0.61	-0.02	0.74	-0.49
		-3.84	0.74	-0.01	0.0	160.0	-1.93	-5.35	0.61	-0.02	1.25	-3.84
174	137	3.27	-0.74	-2.83e-03	-5.77	0.0	9.89	5.17	-0.60	0.02	-0.74	0.09
		0.09	-1.24	0.01	0.0	160.0	9.89	-0.61	-0.60	0.02	-1.24	3.14
175	1	1.30	0.07	-5.28e-05	-8.47	0.0	0.17	4.67	0.03	-2.49e-04	0.02	-0.75
		-0.75	0.02	-2.08e-05	0.0	160.0	0.17	-3.80	0.03	-2.49e-04	0.07	-0.06
175	2	1.30	0.26	-8.03e-05	-8.47	0.0	0.63	5.04	0.13	-9.90e-04	0.06	-1.10
		-1.10	0.06	-1.02e-04	0.0	160.0	0.63	-3.43	0.13	-9.90e-04	0.26	0.20
175	4	0.77	0.28	-7.01e-05	-4.81	0.0	0.64	3.15	0.14	-1.21e-03	0.06	-0.88
		-0.88	0.06	-1.30e-04	0.0	160.0	0.64	-1.67	0.14	-1.21e-03	0.28	0.31
175	8	0.77	0.28	-6.81e-05	-4.81	0.0	0.71	3.14	0.13	-1.33e-03	0.07	-0.87
		-0.87	0.07	-1.48e-04	0.0	160.0	0.71	-1.67	0.13	-1.33e-03	0.28	0.30
175	9	0.89	0.05	-3.72e-05	-5.77	0.0	0.09	3.20	0.03	-2.07e-04	0.01	-0.53
		-0.53	0.01	-1.73e-05	0.0	160.0	0.09	-2.57	0.03	-2.07e-04	0.05	-0.03
175	10	0.89	0.18	-5.58e-05	-5.77	0.0	0.39	3.45	0.09	-7.01e-04	0.04	-0.76
		-0.76	0.04	-7.13e-05	0.0	160.0	0.39	-2.32	0.09	-7.01e-04	0.18	0.14
175	12	0.89	0.18	-5.46e-05	-5.77	0.0	0.44	3.45	0.09	-7.81e-04	0.04	-0.75
		-0.75	0.04	-8.35e-05	0.0	160.0	0.44	-2.33	0.09	-7.81e-04	0.18	0.14
175	13	0.89	-7.55e-04	-3.15e-05	-5.77	0.0	-0.12	3.10	1.09e-03	1.36e-04	-2.50e-03	-0.43
		-0.43	-2.50e-03	2.54e-05	0.0	160.0	-0.12	-2.68	1.09e-03	1.36e-04	-7.55e-04	-0.10
175	14	0.89	0.06	-3.94e-05	-5.77	0.0	0.03	3.22	0.03	-1.11e-04	0.01	-0.55
		-0.55	0.01	-3.80e-06	0.0	160.0	0.03	-2.55	0.03	-1.11e-04	0.06	-0.01
175	16	0.89	0.06	-3.81e-05	-5.77	0.0	0.04	3.21	0.03	-1.27e-04	0.01	-0.53
		-0.53	0.01	-5.88e-06	0.0	160.0	0.04	-2.57	0.03	-1.27e-04	0.06	-0.02
175	17	0.89	-7.55e-04	-3.15e-05	-5.77	0.0	-0.12	3.10	1.09e-03	1.36e-04	-2.50e-03	-0.43
		-0.43	-2.50e-03	2.54e-05	0.0	160.0	-0.12	-2.68	1.09e-03	1.36e-04	-7.55e-04	-0.10
175	18	0.89	0.04	-3.61e-05	-5.77	0.0	-0.03	3.17	0.02	-1.25e-05	5.88e-03	-0.50
		-0.50	5.88e-03	9.22e-06	0.0	160.0	-0.03	-2.60	0.02	-1.25e-05	0.04	-0.05

175	36	7.93	4.67	-9.33e-04	-5.77	0.0	-5.32	14.33	2.35	-0.02	0.97	-10.39
		-10.39	0.97	7.90e-04	0.0	160.0	-5.32	8.56	2.35	-0.02	4.67	7.93
175	37	9.38	-0.96	8.74e-04	-5.77	0.0	5.26	-7.99	-2.31	0.02	-0.96	9.38
		-8.02	-4.59	-7.71e-04	0.0	160.0	5.26	-13.76	-2.31	0.02	-4.59	-8.02
175	40	8.01	4.62	-1.34e-03	-5.77	0.0	-5.12	14.46	2.24	-0.02	1.02	-10.51
		-10.51	1.02	1.04e-03	0.0	160.0	-5.12	8.68	2.24	-0.02	4.62	8.01
175	41	9.50	-1.01	1.29e-03	-5.77	0.0	5.05	-8.11	-2.20	0.02	-1.01	9.50
		-8.10	-4.54	-1.02e-03	0.0	160.0	5.05	-13.89	-2.20	0.02	-4.54	-8.10
175	47	4.96	-1.69	5.81e-04	-5.77	0.0	7.67	-2.94	-1.14	0.01	-1.69	4.96
		-4.37	-2.66	-2.41e-03	0.0	160.0	7.67	-8.72	-1.14	0.01	-2.66	-4.37
175	50	4.27	2.73	-6.40e-04	-5.77	0.0	-7.73	9.29	1.18	-0.01	1.70	-5.97
		-5.97	1.70	2.43e-03	0.0	160.0	-7.73	3.51	1.18	-0.01	2.73	4.27
175	68	5.97	3.54	-7.10e-04	-5.77	0.0	-4.32	11.60	1.78	-0.02	0.73	-7.97
		-7.97	0.73	5.91e-04	0.0	160.0	-4.32	5.82	1.78	-0.02	3.54	5.97
175	69	6.96	-0.72	6.51e-04	-5.77	0.0	4.26	-5.25	-1.74	0.02	-0.72	6.96
		-6.06	-3.46	-5.73e-04	0.0	160.0	4.26	-11.03	-1.74	0.02	-3.46	-6.06
175	72	6.04	3.50	-1.02e-03	-5.77	0.0	-4.16	11.70	1.70	-0.01	0.77	-8.07
		-8.07	0.77	7.66e-04	0.0	160.0	-4.16	5.93	1.70	-0.01	3.50	6.04
175	73	7.06	-0.76	9.60e-04	-5.77	0.0	4.09	-5.36	-1.66	0.01	-0.76	7.06
		-6.13	-3.43	-7.47e-04	0.0	160.0	4.09	-11.13	-1.66	0.01	-3.43	-6.13
175	79	3.63	-1.29	4.31e-04	-5.77	0.0	6.12	-1.45	-0.86	9.46e-03	-1.29	3.63
		-3.31	-2.00	-1.81e-03	0.0	160.0	6.12	-7.23	-0.86	9.46e-03	-2.00	-3.31
175	82	3.22	2.08	-4.90e-04	-5.77	0.0	-6.18	7.80	0.90	-9.49e-03	1.30	-4.64
		-4.64	1.30	1.83e-03	0.0	160.0	-6.18	2.02	0.90	-9.49e-03	2.08	3.22
175	100	5.30	3.15	-6.34e-04	-5.77	0.0	-3.88	10.65	1.58	-0.01	0.65	-7.13
		-7.13	0.65	5.25e-04	0.0	160.0	-3.88	4.88	1.58	-0.01	3.15	5.30
175	101	6.13	-0.64	5.75e-04	-5.77	0.0	3.82	-4.31	-1.54	0.01	-0.64	6.13
		-5.39	-3.07	-5.07e-04	0.0	160.0	3.82	-10.08	-1.54	0.01	-3.07	-5.39
175	104	5.36	3.11	-9.08e-04	-5.77	0.0	-3.73	10.75	1.51	-0.01	0.69	-7.22
		-7.22	0.69	6.79e-04	0.0	160.0	-3.73	4.97	1.51	-0.01	3.11	5.36
175	105	6.22	-0.67	8.48e-04	-5.77	0.0	3.67	-4.40	-1.47	0.01	-0.67	6.22
		-5.45	-3.04	-6.61e-04	0.0	160.0	3.67	-10.18	-1.47	0.01	-3.04	-5.45
175	111	3.17	-1.15	3.79e-04	-5.77	0.0	5.48	-0.94	-0.76	8.40e-03	-1.15	3.17
		-2.95	-1.78	-1.60e-03	0.0	160.0	5.48	-6.71	-0.76	8.40e-03	-1.78	-2.95
175	114	2.85	1.85	-4.38e-04	-5.77	0.0	-5.54	7.28	0.80	-8.43e-03	1.16	-4.17
		-4.17	1.16	1.62e-03	0.0	160.0	-5.54	1.51	0.80	-8.43e-03	1.85	2.85
175	132	9.57	5.63	-1.12e-03	-5.77	0.0	-6.23	16.64	2.82	-0.02	1.17	-12.43
		-12.43	1.17	9.42e-04	0.0	160.0	-6.23	10.86	2.82	-0.02	5.63	9.57
175	133	11.42	-1.16	1.06e-03	-5.77	0.0	6.17	-10.29	-2.78	0.02	-1.16	11.42
		-9.67	-5.55	-9.24e-04	0.0	160.0	6.17	-16.07	-2.78	0.02	-5.55	-9.67
175	136	9.67	5.57	-1.61e-03	-5.77	0.0	-5.99	16.78	2.69	-0.02	1.24	-12.57
		-12.57	1.24	1.25e-03	0.0	160.0	-5.99	11.01	2.69	-0.02	5.57	9.67
175	137	11.57	-1.23	1.55e-03	-5.77	0.0	5.93	-10.44	-2.65	0.02	-1.23	11.57
		-9.76	-5.49	-1.23e-03	0.0	160.0	5.93	-16.21	-2.65	0.02	-5.49	-9.76
175	143	6.10	-2.02	7.06e-04	-5.77	0.0	9.07	-4.21	-1.38	0.02	-2.02	6.10
		-5.26	-3.22	-2.87e-03	0.0	160.0	9.07	-9.99	-1.38	0.02	-3.22	-5.26
175	146	5.17	3.29	-7.65e-04	-5.77	0.0	-9.14	10.56	1.42	-0.02	2.03	-7.10
		-7.10	2.03	2.89e-03	0.0	160.0	-9.14	4.78	1.42	-0.02	3.29	5.17
176	1	1.33	0.02	-1.91e-05	-8.47	0.0	0.05	4.33	0.02	1.49e-04	-0.01	-0.44
		-0.44	-0.01	3.45e-05	0.0	160.0	0.05	-4.14	0.02	1.49e-04	0.02	-0.28
176	2	1.35	0.10	-2.48e-05	-8.47	0.0	0.31	4.54	0.04	9.57e-04	0.04	-0.59
		-0.59	0.04	1.60e-04	0.0	160.0	0.31	-3.92	0.04	9.57e-04	0.10	-0.09
176	4	0.79	0.10	-1.43e-05	-4.81	0.0	0.32	2.71	0.03	9.56e-04	0.05	-0.43
		-0.43	0.05	1.57e-04	0.0	160.0	0.32	-2.10	0.03	9.56e-04	0.10	0.06
176	8	0.79	0.09	-1.12e-05	-4.81	0.0	0.39	2.68	0.03	7.82e-04	0.04	-0.40
		-0.40	0.04	1.27e-04	0.0	160.0	0.39	-2.14	0.03	7.82e-04	0.09	0.03
176	9	0.91	0.01	1.43e-05	-5.77	0.0	4.83e-03	2.96	0.01	1.08e-04	-3.95e-03	-0.30
		-0.30	-3.95e-03	2.66e-05	0.0	160.0	4.83e-03	-2.82	0.01	1.08e-04	0.01	-0.19
176	10	0.93	0.06	-1.61e-05	-5.77	0.0	0.18	3.10	0.02	6.47e-04	0.03	-0.40
		-0.40	0.03	1.10e-04	0.0	160.0	0.18	-2.67	0.02	6.47e-04	0.06	-0.06
176	12	0.92	0.06	-1.41e-05	-5.77	0.0	0.22	3.08	0.03	5.31e-04	0.02	-0.39
		-0.39	0.02	8.99e-05	0.0	160.0	0.22	-2.69	0.03	5.31e-04	0.06	-0.08
176	13	0.91	-2.51e-03	-1.35e-05	-5.77	0.0	-0.14	2.93	2.13e-03	4.01e-05	-5.92e-03	-0.28
		-0.28	-5.92e-03	1.95e-05	0.0	160.0	-0.14	-2.85	2.13e-03	4.01e-05	-2.51e-03	-0.21
176	14	0.91	0.02	-1.53e-05	-5.77	0.0	-0.05	3.00	7.43e-03	3.09e-04	0.01	-0.33
		-0.33	0.01	6.13e-05	0.0	160.0	-0.05	-2.78	7.43e-03	3.09e-04	0.02	-0.15
176	16	0.91	0.02	-1.42e-05	-5.77	0.0	-0.04	2.98	8.49e-03	2.24e-04	4.49e-03	-0.32
		-0.32	4.49e-03	4.70e-05	0.0	160.0	-0.04	-2.79	8.49e-03	2.24e-04	0.02	-0.17
176	17	0.91	-2.51e-03	-1.35e-05	-5.77	0.0	-0.14	2.93	2.13e-03	4.01e-05	-5.92e-03	-0.28
		-0.28	-5.92e-03	1.95e-05	0.0	160.0	-0.14	-2.85	2.13e-03	4.01e-05	-2.51e-03	-0.21
176	18	0.91	0.01	-1.45e-05	-5.77	0.0	-0.08	2.97	5.31e-03	2.02e-04	3.83e-03	-0.31
		-0.31	3.83e-03	4.46e-05	0.0	160.0	-0.08	-2.81	5.31e-03	2.02e-04	0.01	-0.18
176	39	1.99	1.36	-3.48e-04	-5.77	0.0	6.46	-0.25	-0.91	-9.33e-03	1.36	1.99
		-3.03	-1.18	-2.75e-03	0.0	160.0	6.46	-6.03	-0.91	-9.33e-03	-1.18	-3.03
176	40	4.29	1.87	3.11e-04	-5.77	0.0	-4.81	8.01	1.46	0.02	-0.62	-3.91

		-3.91	-0.62	3.10e-03	0.0	160.0	-4.81	2.23	1.46	0.02	1.87	4.29
176	41	3.29	0.63	-2.92e-04	-5.77	0.0	4.64	-2.07	-1.45	-0.02	0.63	3.29
		-4.64	-1.85	-3.01e-03	0.0	160.0	4.64	-7.84	-1.45	-0.02	-1.85	-4.64
176	42	2.68	1.21	3.67e-04	-5.77	0.0	-6.63	6.19	0.92	9.74e-03	-1.35	-2.61
		-2.61	-1.35	2.84e-03	0.0	160.0	-6.63	0.42	0.92	9.74e-03	1.21	2.68
176	71	1.47	1.00	-2.54e-04	-5.77	0.0	5.17	0.53	-0.68	-7.04e-03	1.00	1.43
		-2.34	-0.89	-2.04e-03	0.0	160.0	5.17	-5.25	-0.68	-7.04e-03	-0.89	-2.34
176	72	3.20	1.42	2.34e-04	-5.77	0.0	-3.87	6.78	1.10	0.01	-0.45	-3.03
		-3.03	-0.45	2.32e-03	0.0	160.0	-3.87	1.01	1.10	0.01	1.42	3.20
176	73	2.41	0.46	-2.15e-04	-5.77	0.0	3.70	-0.85	-1.09	-0.01	0.46	2.41
		-3.56	-1.40	-2.23e-03	0.0	160.0	3.70	-6.62	-1.09	-0.01	-1.40	-3.56
176	74	2.01	0.92	2.73e-04	-5.77	0.0	-5.34	5.41	0.69	7.44e-03	-0.99	-2.05
		-2.05	-0.99	2.13e-03	0.0	160.0	-5.34	-0.36	0.69	7.44e-03	0.92	1.99
176	103	1.33	0.88	-2.24e-04	-5.77	0.0	4.63	0.80	-0.60	-6.23e-03	0.88	1.24
		-2.10	-0.79	-1.81e-03	0.0	160.0	4.63	-4.98	-0.60	-6.23e-03	-0.79	-2.10
176	104	2.83	1.26	2.08e-04	-5.77	0.0	-3.48	6.36	0.97	0.01	-0.40	-2.73
		-2.73	-0.40	2.06e-03	0.0	160.0	-3.48	0.58	0.97	0.01	1.26	2.83
176	105	2.11	0.41	-1.90e-04	-5.77	0.0	3.31	-0.42	-0.96	-0.01	0.41	2.11
		-3.18	-1.24	-1.97e-03	0.0	160.0	3.31	-6.19	-0.96	-0.01	-1.24	-3.18
176	106	1.80	0.82	2.43e-04	-5.77	0.0	-4.80	5.14	0.61	6.64e-03	-0.88	-1.86
		-1.86	-0.88	1.90e-03	0.0	160.0	-4.80	-0.63	0.61	6.64e-03	0.82	1.75
176	135	2.47	1.63	-4.21e-04	-5.77	0.0	7.61	-0.92	-1.10	-0.01	1.63	2.47
		-3.63	-1.43	-3.30e-03	0.0	160.0	7.61	-6.70	-1.10	-0.01	-1.43	-3.63
176	136	5.21	2.26	3.70e-04	-5.77	0.0	-5.66	9.05	1.76	0.02	-0.75	-4.65
		-4.65	-0.75	3.73e-03	0.0	160.0	-5.66	3.28	1.76	0.02	2.26	5.21
176	137	4.03	0.76	-3.51e-04	-5.77	0.0	5.49	-3.11	-1.75	-0.02	0.76	4.03
		-5.57	-2.23	-3.65e-03	0.0	160.0	5.49	-8.89	-1.75	-0.02	-2.23	-5.57
176	138	3.27	1.46	4.40e-04	-5.77	0.0	-7.78	6.86	1.11	0.01	-1.62	-3.08
		-3.08	-1.62	3.39e-03	0.0	160.0	-7.78	1.09	1.11	0.01	1.46	3.27
177	1	1.23	-0.01	-2.78e-05	-8.47	0.0	-0.02	4.34	0.02	-1.66e-04	-0.05	-0.55
		-0.55	-0.05	7.99e-06	0.0	160.0	-0.02	-4.13	0.02	-1.66e-04	-0.01	-0.38
177	4	0.68	0.04	-9.64e-06	-4.81	0.0	0.17	2.62	-6.43e-03	1.26e-03	0.04	-0.46
		-0.46	0.03	2.74e-04	0.0	160.0	0.17	-2.20	-6.43e-03	1.26e-03	0.03	-0.12
177	5	1.23	-0.02	-2.83e-05	-8.47	0.0	0.06	4.39	0.03	-1.54e-04	-0.07	-0.59
		-0.59	-0.07	1.64e-05	0.0	160.0	0.06	-4.07	0.03	-1.54e-04	-0.02	-0.33
177	6	1.22	1.93e-03	-2.47e-05	-8.47	0.0	0.19	4.47	0.01	7.44e-04	-0.02	-0.66
		-0.66	-0.02	1.93e-04	0.0	160.0	0.19	-3.99	0.01	7.44e-04	1.93e-03	-0.28
177	8	0.69	4.10e-03	-1.16e-05	-4.81	0.0	0.21	2.64	2.54e-03	8.83e-04	3.16e-05	-0.47
		-0.47	3.16e-05	2.07e-04	0.0	160.0	0.21	-2.17	2.54e-03	8.83e-04	4.10e-03	-0.10
177	9	0.83	-7.13e-03	-1.84e-05	-5.77	0.0	-0.04	2.96	0.02	-8.78e-05	-0.03	-0.38
		-0.38	-0.03	1.05e-05	0.0	160.0	-0.04	-2.82	0.02	-8.78e-05	-7.13e-03	-0.27
177	10	0.82	0.02	-1.50e-05	-5.77	0.0	0.08	3.03	1.89e-03	7.67e-04	0.01	-0.45
		-0.45	0.01	1.78e-04	0.0	160.0	0.08	-2.74	1.89e-03	7.67e-04	0.02	-0.22
177	11	0.83	-0.01	-1.87e-05	-5.77	0.0	0.02	2.99	0.02	-7.96e-05	-0.04	-0.41
		-0.41	-0.04	1.61e-05	0.0	160.0	0.02	-2.78	0.02	-7.96e-05	-0.01	-0.24
177	12	0.83	2.81e-03	-1.63e-05	-5.77	0.0	0.10	3.05	7.87e-03	5.19e-04	-9.79e-03	-0.46
		-0.46	-9.79e-03	1.34e-04	0.0	160.0	0.10	-2.73	7.87e-03	5.19e-04	2.81e-03	-0.20
177	13	0.83	3.42e-03	-1.79e-05	-5.77	0.0	-0.13	2.90	0.01	-1.00e-04	-0.02	-0.34
		-0.34	-0.02	2.03e-06	0.0	160.0	-0.13	-2.88	0.01	-1.00e-04	3.42e-03	-0.32
177	14	0.82	0.02	-1.62e-05	-5.77	0.0	-0.07	2.94	6.62e-03	3.27e-04	4.95e-03	-0.37
		-0.37	4.95e-03	8.60e-05	0.0	160.0	-0.07	-2.84	6.62e-03	3.27e-04	0.02	-0.29
177	15	0.83	-9.74e-05	-1.81e-05	-5.77	0.0	-0.10	2.92	0.01	-9.60e-05	-0.02	-0.35
		-0.35	-0.02	4.83e-06	0.0	160.0	-0.10	-2.86	0.01	-9.60e-05	-9.74e-05	-0.30
177	16	0.83	7.18e-03	-1.70e-05	-5.77	0.0	-0.06	2.94	0.01	1.61e-04	-9.35e-03	-0.37
		-0.37	-9.35e-03	5.52e-05	0.0	160.0	-0.06	-2.83	0.01	1.61e-04	7.18e-03	-0.29
177	17	0.83	3.42e-03	-1.79e-05	-5.77	0.0	-0.13	2.90	0.01	-1.00e-04	-0.02	-0.34
		-0.34	-0.02	2.03e-06	0.0	160.0	-0.13	-2.88	0.01	-1.00e-04	3.42e-03	-0.32
177	18	0.83	0.01	-1.69e-05	-5.77	0.0	-0.09	2.92	9.50e-03	1.56e-04	-4.51e-03	-0.36
		-0.36	-4.51e-03	5.24e-05	0.0	160.0	-0.09	-2.85	9.50e-03	1.56e-04	0.01	-0.30
177	19	-1.46	2.01	3.29e-04	-5.77	0.0	-1.02	4.74	-1.17	8.04e-03	2.01	-1.77
		-4.01	-0.64	1.32e-03	0.0	160.0	-1.02	-1.03	-1.17	8.04e-03	-0.64	-4.01
177	22	3.68	0.66	-3.30e-04	-5.77	0.0	0.84	1.10	1.19	-7.73e-03	-2.02	1.05
		1.05	-2.02	-1.22e-03	0.0	160.0	0.84	-4.67	1.19	-7.73e-03	0.66	3.40
177	39	2.47	1.75	3.15e-04	-5.77	0.0	6.27	-0.65	-1.01	-8.05e-03	1.75	2.47
		-3.19	0.76	-1.90e-03	0.0	160.0	6.27	-6.42	-1.01	-8.05e-03	0.76	-3.19
177	40	4.15	-0.79	-1.64e-04	-5.77	0.0	-4.66	8.40	0.30	0.02	-0.79	-4.67
		-4.67	-1.41	3.67e-03	0.0	160.0	-4.66	2.62	0.30	0.02	-1.41	4.15
177	41	3.95	1.43	1.63e-04	-5.77	0.0	4.48	-2.55	-0.28	-0.02	0.78	3.95
		-4.75	0.78	-3.57e-03	0.0	160.0	4.48	-8.33	-0.28	-0.02	1.43	-4.75
177	42	2.59	-0.74	-3.15e-04	-5.77	0.0	-6.45	6.49	1.03	8.37e-03	-1.76	-3.18
		-3.18	-1.76	2.00e-03	0.0	160.0	-6.45	0.72	1.03	8.37e-03	-0.74	2.59
177	51	-0.93	1.48	2.43e-04	-5.77	0.0	-0.83	4.27	-0.91	5.99e-03	1.48	-1.40
		-3.08	-0.51	9.89e-04	0.0	160.0	-0.83	-1.50	-0.91	5.99e-03	-0.51	-3.08
177	54	2.91	0.53	-2.45e-04	-5.77	0.0	0.65	1.57	0.93	-5.68e-03	-1.48	0.69
		0.69	-1.48	-8.84e-04	0.0	160.0	0.65	-4.20	0.93	-5.68e-03	0.53	2.47

177	71	1.77	1.29	2.33e-04	-5.77	0.0	4.92	0.23	-0.79	-6.04e-03	1.29	1.77
		-2.48	0.57	-1.43e-03	0.0	160.0	4.92	-5.54	-0.79	-6.04e-03	0.57	-2.48
177	72	3.05	-0.58	-1.23e-04	-5.77	0.0	-3.68	7.05	0.24	0.01	-0.58	-3.61
		-3.61	-1.08	2.78e-03	0.0	160.0	-3.68	1.27	0.24	0.01	-1.08	3.05
177	73	2.89	1.10	1.20e-04	-5.77	0.0	3.50	-1.21	-0.22	-0.01	0.57	2.89
		-3.66	0.57	-2.67e-03	0.0	160.0	3.50	-6.98	-0.22	-0.01	1.10	-3.66
177	74	1.87	-0.55	-2.34e-04	-5.77	0.0	-5.10	5.61	0.80	6.35e-03	-1.30	-2.48
		-2.48	-1.30	1.54e-03	0.0	160.0	-5.10	-0.17	0.80	6.35e-03	-0.55	1.87
177	83	-0.75	1.31	2.15e-04	-5.77	0.0	-0.75	4.12	-0.81	5.32e-03	1.31	-1.28
		-2.76	-0.45	8.81e-04	0.0	160.0	-0.75	-1.66	-0.81	5.32e-03	-0.45	-2.76
177	86	2.66	0.47	-2.17e-04	-5.77	0.0	0.57	1.73	0.83	-5.01e-03	-1.31	0.57
		0.57	-1.31	-7.76e-04	0.0	160.0	0.57	-4.05	0.83	-5.01e-03	0.47	2.16
177	103	1.57	1.14	2.07e-04	-5.77	0.0	4.39	0.54	-0.70	-5.35e-03	1.14	1.53
		-2.23	0.50	-1.27e-03	0.0	160.0	4.39	-5.24	-0.70	-5.35e-03	0.50	-2.23
177	104	2.68	-0.52	-1.09e-04	-5.77	0.0	-3.29	6.59	0.21	0.01	-0.52	-3.24
		-3.24	-0.96	2.47e-03	0.0	160.0	-3.29	0.81	0.21	0.01	-0.96	2.68
177	105	2.53	0.98	1.06e-04	-5.77	0.0	3.12	-0.74	-0.19	-0.01	0.51	2.53
		-3.28	0.51	-2.37e-03	0.0	160.0	3.12	-6.52	-0.19	-0.01	0.98	-3.28
177	106	1.66	-0.48	-2.07e-04	-5.77	0.0	-4.57	5.31	0.72	5.66e-03	-1.15	-2.24
		-2.24	-1.15	1.37e-03	0.0	160.0	-4.57	-0.47	0.72	5.66e-03	-0.48	1.63
177	115	-1.85	2.40	3.94e-04	-5.77	0.0	-1.19	5.10	-1.38	9.65e-03	2.40	-2.05
		-4.76	-0.76	1.58e-03	0.0	160.0	-1.19	-0.67	-1.38	9.65e-03	-0.76	-4.76
177	118	4.33	0.78	-3.95e-04	-5.77	0.0	1.01	0.74	1.39	-9.34e-03	-2.41	1.33
		1.33	-2.41	-1.48e-03	0.0	160.0	1.01	-5.04	1.39	-9.34e-03	0.78	4.16
177	131	3.05	2.10	3.80e-04	-5.77	0.0	5.48	-1.39	-1.11	-0.01	2.10	3.05
		-5.67	0.97	-2.55e-03	0.0	160.0	5.48	-7.16	-1.11	-0.01	0.97	-5.67
177	134	5.06	-0.95	-3.80e-04	-5.77	0.0	-5.66	7.23	1.13	0.01	-2.11	-3.77
		-3.77	-2.11	2.65e-03	0.0	160.0	-5.66	1.46	1.13	0.01	-0.95	5.06
177	135	3.05	2.09	3.79e-04	-5.77	0.0	7.44	-1.39	-1.19	-9.76e-03	2.09	3.05
		-3.79	0.92	-2.30e-03	0.0	160.0	7.44	-7.17	-1.19	-9.76e-03	0.92	-3.79
177	138	3.19	-0.90	-3.79e-04	-5.77	0.0	-7.62	7.23	1.21	0.01	-2.10	-3.77
		-3.77	-2.10	2.40e-03	0.0	160.0	-7.62	1.46	1.21	0.01	-0.90	3.19
178	1	1.52	-0.01	-1.62e-04	-8.47	0.0	-0.14	5.18	-0.02	-3.16e-04	-0.01	-1.01
		-1.01	-0.04	-2.27e-05	0.0	160.0	-0.14	-3.29	-0.02	-3.16e-04	-0.04	0.50
178	2	1.66	0.03	-2.07e-04	-8.47	0.0	-0.03	5.62	-0.15	5.07e-04	0.03	-1.32
		-1.32	-0.21	2.80e-04	0.0	160.0	-0.03	-2.85	-0.15	5.07e-04	-0.21	0.90
178	4	1.11	0.03	-1.64e-04	-4.81	0.0	6.99e-03	3.57	-0.15	7.28e-04	0.03	-1.01
		-1.01	-0.21	2.99e-04	0.0	160.0	6.99e-03	-1.24	-0.15	7.28e-04	-0.21	0.85
178	8	1.08	5.61e-03	-1.49e-04	-4.81	0.0	0.05	3.50	-0.12	5.79e-04	5.61e-03	-0.96
		-0.96	-0.18	1.96e-04	0.0	160.0	0.05	-1.31	-0.12	5.79e-04	-0.18	0.79
178	9	1.06	-7.05e-03	-1.22e-04	-5.77	0.0	-0.12	3.59	-0.02	-2.09e-04	-7.05e-03	-0.73
		-0.73	-0.03	-7.86e-06	0.0	160.0	-0.12	-2.18	-0.02	-2.09e-04	-0.03	0.40
178	10	1.16	0.02	-1.53e-04	-5.77	0.0	-0.05	3.89	-0.10	3.40e-04	0.02	-0.94
		-0.94	-0.14	1.94e-04	0.0	160.0	-0.05	-1.89	-0.10	3.40e-04	-0.14	0.66
178	12	1.14	3.81e-03	-1.43e-04	-5.77	0.0	-0.03	3.84	-0.08	2.41e-04	3.81e-03	-0.90
		-0.90	-0.12	1.26e-04	0.0	160.0	-0.03	-1.93	-0.08	2.41e-04	-0.12	0.62
178	13	1.04	3.50e-03	-1.24e-04	-5.77	0.0	-0.19	3.53	-0.01	-3.06e-04	3.50e-03	-0.69
		-0.69	-0.02	4.14e-06	0.0	160.0	-0.19	-2.24	-0.01	-3.06e-04	-0.02	0.34
178	14	1.08	0.02	-1.39e-04	-5.77	0.0	-0.16	3.68	-0.05	-3.18e-05	0.02	-0.79
		-0.79	-0.07	1.05e-04	0.0	160.0	-0.16	-2.10	-0.05	-3.18e-05	-0.07	0.48
178	16	1.07	7.65e-03	-1.32e-04	-5.77	0.0	-0.15	3.64	-0.04	-1.09e-04	7.65e-03	-0.76
		-0.76	-0.05	6.07e-05	0.0	160.0	-0.15	-2.13	-0.04	-1.09e-04	-0.05	0.44
178	17	1.04	3.50e-03	-1.24e-04	-5.77	0.0	-0.19	3.53	-0.01	-3.06e-04	3.50e-03	-0.69
		-0.69	-0.02	4.14e-06	0.0	160.0	-0.19	-2.24	-0.01	-3.06e-04	-0.02	0.34
178	18	1.07	0.01	-1.33e-04	-5.77	0.0	-0.17	3.62	-0.04	-1.42e-04	0.01	-0.75
		-0.75	-0.05	6.47e-05	0.0	160.0	-0.17	-2.15	-0.04	-1.42e-04	-0.05	0.42
178	39	2.29	0.99	-2.32e-04	-5.77	0.0	5.59	-1.20	0.65	-2.86e-03	0.76	2.29
		-4.25	0.76	-9.47e-04	0.0	160.0	5.59	-6.97	0.65	-2.86e-03	0.99	-4.25
178	40	7.52	-1.41	-1.01e-04	-5.77	0.0	-4.35	10.97	-0.13	5.59e-03	-1.41	-5.42
		-5.42	-1.83	2.58e-03	0.0	160.0	-4.35	5.20	-0.13	5.59e-03	-1.83	7.52
178	41	3.92	1.74	-2.13e-04	-5.77	0.0	4.01	-3.73	0.05	-5.87e-03	1.43	3.92
		-6.67	1.43	-2.45e-03	0.0	160.0	4.01	-9.51	0.05	-5.87e-03	1.74	-6.67
178	42	5.10	-0.74	-7.27e-05	-5.77	0.0	-5.93	8.44	-0.72	2.57e-03	-0.74	-3.78
		-3.78	-1.09	1.08e-03	0.0	160.0	-5.93	2.66	-0.72	2.57e-03	-1.09	5.10
178	71	1.55	0.72	-2.06e-04	-5.77	0.0	4.32	-0.03	0.51	-2.23e-03	0.56	1.55
		-3.11	0.56	-6.88e-04	0.0	160.0	4.32	-5.80	0.51	-2.23e-03	0.72	-3.11
178	72	5.80	-1.07	-1.05e-04	-5.77	0.0	-3.41	9.18	-0.11	4.22e-03	-1.07	-4.28
		-4.28	-1.39	1.89e-03	0.0	160.0	-3.41	3.41	-0.11	4.22e-03	-1.39	5.80
178	73	2.79	1.29	-1.92e-04	-5.77	0.0	3.07	-1.94	0.03	-4.51e-03	1.10	2.79
		-4.95	1.10	-1.76e-03	0.0	160.0	3.07	-7.72	0.03	-4.51e-03	1.29	-4.95
178	74	3.96	-0.54	-8.43e-05	-5.77	0.0	-4.67	7.27	-0.59	1.95e-03	-0.54	-3.05
		-3.05	-0.82	8.17e-04	0.0	160.0	-4.67	1.49	-0.59	1.95e-03	-0.82	3.96
178	103	1.31	0.63	-1.97e-04	-5.77	0.0	3.84	0.38	0.46	-2.00e-03	0.50	1.29
		-2.72	0.50	-6.02e-04	0.0	160.0	3.84	-5.39	0.46	-2.00e-03	0.63	-2.72
178	104	5.20	-0.95	-1.07e-04	-5.77	0.0	-3.06	8.56	-0.10	3.74e-03	-0.95	-3.89

		-3.89	-1.24	1.68e-03	0.0	160.0	-3.06	2.79	-0.10	3.74e-03	-1.24	5.20
178	105	2.39	1.14	-1.86e-04	-5.77	0.0	2.72	-1.32	0.02	-4.02e-03	0.98	2.39
		-4.35	0.98	-1.55e-03	0.0	160.0	2.72	-7.10	0.02	-4.02e-03	1.14	-4.35
178	106	3.57	-0.48	-8.81e-05	-5.77	0.0	-4.18	6.86	-0.53	1.72e-03	-0.48	-2.79
		-2.79	-0.73	7.31e-04	0.0	160.0	-4.18	1.08	-0.53	1.72e-03	-0.73	3.57
178	135	2.92	1.21	-2.52e-04	-5.77	0.0	6.67	-2.20	0.77	-3.40e-03	0.92	2.92
		-5.22	0.92	-1.15e-03	0.0	160.0	6.67	-7.97	0.77	-3.40e-03	1.21	-5.22
178	136	8.99	-1.69	-9.84e-05	-5.77	0.0	-5.15	12.49	-0.14	6.75e-03	-1.69	-6.38
		-6.38	-2.19	3.10e-03	0.0	160.0	-5.15	6.72	-0.14	6.75e-03	-2.19	8.99
178	137	4.89	2.10	-2.30e-04	-5.77	0.0	4.81	-5.25	0.07	-7.03e-03	1.71	4.89
		-8.14	1.71	-2.97e-03	0.0	160.0	4.81	-11.03	0.07	-7.03e-03	2.10	-8.14
178	138	6.07	-0.89	-6.50e-05	-5.77	0.0	-7.01	9.44	-0.84	3.12e-03	-0.89	-4.42
		-4.42	-1.31	1.28e-03	0.0	160.0	-7.01	3.67	-0.84	3.12e-03	-1.31	6.07
179	1	1.41	0.02	-2.00e-04	-8.47	0.0	5.37	4.78	0.01	-8.71e-04	-3.79e-04	-0.75
		-0.75	-3.79e-04	-7.52e-05	0.0	160.0	5.37	-3.69	0.01	-8.71e-04	0.02	0.12
179	2	1.29	0.13	-2.49e-04	-8.47	0.0	22.28	4.39	0.06	-1.42e-03	0.03	-0.52
		-0.52	0.03	5.96e-06	0.0	160.0	22.28	-4.08	0.06	-1.42e-03	0.13	-0.28
179	3	0.80	0.03	-1.38e-04	-4.81	0.0	4.12	2.78	0.01	-8.30e-04	4.29e-03	-0.49
		-0.49	4.29e-03	-6.48e-05	0.0	160.0	4.12	-2.03	0.01	-8.30e-04	0.03	0.11
179	4	0.69	0.14	-1.87e-04	-4.81	0.0	21.03	2.39	0.06	-1.38e-03	0.04	-0.26
		-0.28	0.04	1.63e-05	0.0	160.0	21.03	-2.42	0.06	-1.38e-03	0.14	-0.28
179	9	0.96	0.01	-1.47e-04	-5.77	0.0	4.10	3.30	9.48e-03	-5.93e-04	-1.84e-04	-0.54
		-0.54	-1.84e-04	-4.82e-05	0.0	160.0	4.10	-2.48	9.48e-03	-5.93e-04	0.01	0.11
179	10	0.88	0.09	-1.80e-04	-5.77	0.0	15.37	3.04	0.04	-9.59e-04	0.02	-0.39
		-0.39	0.02	5.90e-06	0.0	160.0	15.37	-2.74	0.04	-9.59e-04	0.09	-0.15
179	13	0.98	-1.42e-03	-1.48e-04	-5.77	0.0	4.00	3.33	3.09e-03	-1.10e-04	-6.37e-03	-0.55
		-0.55	-6.37e-03	-6.50e-06	0.0	160.0	4.00	-2.45	3.09e-03	-1.10e-04	-1.42e-03	0.15
179	14	0.94	0.03	-1.65e-04	-5.77	0.0	9.63	3.20	0.02	-2.93e-04	5.33e-03	-0.48
		-0.48	5.33e-03	2.05e-05	0.0	160.0	9.63	-2.58	0.02	-2.93e-04	0.03	0.02
179	17	0.98	-1.42e-03	-1.48e-04	-5.77	0.0	4.00	3.33	3.09e-03	-1.10e-04	-6.37e-03	-0.55
		-0.55	-6.37e-03	-6.50e-06	0.0	160.0	4.00	-2.45	3.09e-03	-1.10e-04	-1.42e-03	0.15
179	18	0.96	0.02	-1.58e-04	-5.77	0.0	7.38	3.25	0.01	-2.19e-04	6.52e-04	-0.51
		-0.51	6.52e-04	9.73e-06	0.0	160.0	7.38	-2.52	0.01	-2.19e-04	0.02	0.07
179	20	4.31	3.16	-2.66e-04	-5.77	0.0	-3.93	-3.80	1.62	6.98e-03	1.00	4.31
		-6.39	1.00	-3.89e-03	0.0	160.0	-3.93	-9.57	1.62	6.98e-03	3.16	-6.39
179	21	6.54	-1.00	-8.81e-05	-5.77	0.0	18.68	10.30	-1.59	-7.42e-03	-1.00	-5.32
		-5.32	-3.12	3.91e-03	0.0	160.0	18.68	4.52	-1.59	-7.42e-03	-3.12	6.54
179	28	4.93	2.86	-2.67e-04	-5.77	0.0	-3.71	-4.80	1.51	6.24e-03	1.13	4.93
		-7.38	1.13	-2.53e-03	0.0	160.0	-3.71	-10.58	1.51	6.24e-03	2.86	-7.38
179	29	7.53	-1.13	-9.33e-05	-5.77	0.0	18.47	11.30	-1.48	-6.68e-03	-1.13	-5.94
		-5.94	-2.82	2.55e-03	0.0	160.0	18.47	5.53	-1.48	-6.68e-03	-2.82	7.53
179	36	4.48	3.41	-1.82e-04	-5.77	0.0	-3.18	-4.16	1.80	-6.63e-03	0.93	4.48
		-6.81	0.93	-3.82e-03	0.0	160.0	-3.18	-9.94	1.80	-6.63e-03	3.41	-6.81
179	37	6.96	-0.93	-1.56e-04	-5.77	0.0	17.94	10.67	-1.77	6.20e-03	-0.93	-5.49
		-5.49	-3.36	3.84e-03	0.0	160.0	17.94	4.89	-1.77	6.20e-03	-3.36	6.96
179	52	3.07	2.36	-2.37e-04	-5.77	0.0	-1.01	-1.99	1.21	5.23e-03	0.77	3.07
		-4.74	0.77	-2.77e-03	0.0	160.0	-1.01	-7.76	1.21	5.23e-03	2.36	-4.74
179	53	4.89	-0.77	-1.01e-04	-5.77	0.0	15.77	8.49	-1.19	-5.67e-03	-0.77	-4.08
		-4.08	-2.32	2.79e-03	0.0	160.0	15.77	2.71	-1.19	-5.67e-03	-2.32	4.89
179	60	3.52	2.14	-2.38e-04	-5.77	0.0	-0.89	-2.73	1.15	4.68e-03	0.88	3.52
		-5.46	0.88	-1.79e-03	0.0	160.0	-0.89	-8.50	1.15	4.68e-03	2.14	-5.46
179	61	5.61	-0.87	-1.04e-04	-5.77	0.0	15.65	9.23	-1.12	-5.12e-03	-0.87	-4.54
		-4.54	-2.10	1.80e-03	0.0	160.0	15.65	3.45	-1.12	-5.12e-03	-2.10	5.61
179	68	3.22	2.53	-1.77e-04	-5.77	0.0	-0.52	-2.30	1.35	-5.14e-03	0.71	3.22
		-5.09	0.71	-2.74e-03	0.0	160.0	-0.52	-8.08	1.35	-5.14e-03	2.53	-5.09
179	69	5.24	-0.71	-1.52e-04	-5.77	0.0	15.28	8.81	-1.32	4.70e-03	-0.71	-4.24
		-4.24	-2.49	2.76e-03	0.0	160.0	15.28	3.03	-1.32	4.70e-03	-2.49	5.24
179	84	2.66	2.09	-2.28e-04	-5.77	0.0	-0.05	-1.39	1.08	4.62e-03	0.68	2.66
		-4.19	0.68	-2.44e-03	0.0	160.0	-0.05	-7.16	1.08	4.62e-03	2.09	-4.19
179	85	4.34	-0.68	-1.05e-04	-5.77	0.0	14.81	7.89	-1.05	-5.06e-03	-0.68	-3.67
		-3.67	-2.05	2.46e-03	0.0	160.0	14.81	2.12	-1.05	-5.06e-03	-2.05	4.34
179	92	3.06	1.90	-2.29e-04	-5.77	0.0	0.04	-2.04	1.02	4.13e-03	0.78	3.06
		-4.83	0.78	-1.57e-03	0.0	160.0	0.04	-7.82	1.02	4.13e-03	1.90	-4.83
179	93	4.98	-0.78	-1.08e-04	-5.77	0.0	14.71	8.55	-1.00	-4.57e-03	-0.78	-4.08
		-4.08	-1.86	1.59e-03	0.0	160.0	14.71	2.77	-1.00	-4.57e-03	-1.86	4.98
179	100	2.80	2.25	-1.75e-04	-5.77	0.0	0.37	-1.68	1.20	-4.60e-03	0.63	2.80
		-4.51	0.63	-2.42e-03	0.0	160.0	0.37	-7.45	1.20	-4.60e-03	2.25	-4.51
179	101	4.66	-0.63	-1.51e-04	-5.77	0.0	14.38	8.18	-1.17	4.16e-03	-0.63	-3.82
		-3.82	-2.20	2.44e-03	0.0	160.0	14.38	2.40	-1.17	4.16e-03	-2.20	4.66
179	116	5.31	3.78	-2.88e-04	-5.77	0.0	-6.23	-5.26	1.93	8.23e-03	1.17	5.31
		-7.73	1.17	-4.71e-03	0.0	160.0	-6.23	-11.03	1.93	8.23e-03	3.78	-7.73
179	117	7.88	-1.17	-7.93e-05	-5.77	0.0	20.99	11.76	-1.91	-8.67e-03	-1.17	-6.32
		-6.32	-3.73	4.73e-03	0.0	160.0	20.99	5.98	-1.91	-8.67e-03	-3.73	7.88
179	124	6.07	3.42	-2.90e-04	-5.77	0.0	-5.99	-6.49	1.80	7.43e-03	1.33	6.07
		-8.94	1.33	-3.11e-03	0.0	160.0	-5.99	-12.27	1.80	7.43e-03	3.42	-8.94

179	125	9.09	-1.33	-8.57e-05	-5.77	0.0	20.75	12.99	-1.78	-7.86e-03	-1.33	-7.09
		-7.09	-3.38	3.13e-03	0.0	160.0	20.75	7.22	-1.78	-7.86e-03	-3.38	9.09
179	132	5.51	4.09	-1.87e-04	-5.77	0.0	-5.36	-5.71	2.16	-7.94e-03	1.10	5.51
		-8.24	1.10	-4.63e-03	0.0	160.0	-5.36	-11.48	2.16	-7.94e-03	4.09	-8.24
179	133	8.39	-1.10	-1.60e-04	-5.77	0.0	20.11	12.21	-2.13	7.50e-03	-1.10	-6.53
		-6.53	-4.05	4.65e-03	0.0	160.0	20.11	6.43	-2.13	7.50e-03	-4.05	8.39
180	2	9.81	4.51	-5.15e-04	-6.35	0.0	0.03	10.02	3.76	0.03	2.29e-03	1.59
		1.59	2.29e-03	-8.81e-04	0.0	120.0	0.03	3.67	3.76	0.03	4.51	9.81
180	3	3.72	0.71	-1.89e-04	-3.61	0.0	9.03e-03	4.44	0.61	4.49e-03	-0.02	0.56
		0.56	-0.02	-1.59e-04	0.0	120.0	9.03e-03	0.83	0.61	4.49e-03	0.71	3.72
180	5	6.14	0.83	-3.20e-04	-6.35	0.0	0.01	7.54	0.72	5.53e-03	-0.03	0.90
		0.90	-0.03	-1.97e-04	0.0	120.0	0.01	1.19	0.72	5.53e-03	0.83	6.14
180	7	3.70	0.66	-1.89e-04	-3.61	0.0	0.01	4.43	0.57	4.35e-03	-0.02	0.56
		0.56	-0.02	-1.64e-04	0.0	120.0	0.01	0.82	0.57	4.35e-03	0.66	3.70
180	9	4.30	0.70	-2.22e-04	-4.33	0.0	7.72e-03	5.22	0.60	4.47e-03	-0.02	0.64
		0.64	-0.02	-1.50e-04	0.0	120.0	7.72e-03	0.89	0.60	4.47e-03	0.70	4.30
180	10	6.73	3.13	-3.52e-04	-4.33	0.0	0.02	6.87	2.61	0.02	2.34e-03	1.09
		1.09	2.34e-03	-6.10e-04	0.0	120.0	0.02	2.53	2.61	0.02	3.13	6.73
180	11	4.29	0.67	-2.21e-04	-4.33	0.0	9.92e-03	5.21	0.58	4.37e-03	-0.02	0.63
		0.63	-0.02	-1.54e-04	0.0	120.0	9.92e-03	0.88	0.58	4.37e-03	0.67	4.29
180	13	4.31	0.75	-2.22e-04	-4.33	0.0	4.43e-03	5.23	0.64	4.62e-03	-0.02	0.64
		0.64	-0.02	-1.45e-04	0.0	120.0	4.43e-03	0.90	0.64	4.62e-03	0.75	4.31
180	14	5.53	1.96	-2.87e-04	-4.33	0.0	9.36e-03	6.05	1.64	0.01	-5.17e-03	0.87
		0.87	-5.17e-03	-3.75e-04	0.0	120.0	9.36e-03	1.72	1.64	0.01	1.96	5.53
180	15	4.31	0.74	-2.22e-04	-4.33	0.0	5.52e-03	5.23	0.63	4.57e-03	-0.02	0.64
		0.64	-0.02	-1.47e-04	0.0	120.0	5.52e-03	0.89	0.63	4.57e-03	0.74	4.31
180	17	4.31	0.75	-2.22e-04	-4.33	0.0	4.43e-03	5.23	0.64	4.62e-03	-0.02	0.64
		0.64	-0.02	-1.45e-04	0.0	120.0	4.43e-03	0.90	0.64	4.62e-03	0.75	4.31
180	18	5.04	1.48	-2.61e-04	-4.33	0.0	7.38e-03	5.72	1.24	9.45e-03	-9.28e-03	0.77
		0.77	-9.28e-03	-2.83e-04	0.0	120.0	7.38e-03	1.39	1.24	9.45e-03	1.48	5.04
180	28	9.33	15.08	-4.90e-04	-4.33	0.0	-0.05	8.79	11.10	0.06	1.90	1.17
		1.17	1.90	-1.13e-03	0.0	120.0	-0.05	4.46	11.10	0.06	15.08	9.33
180	29	1.23	-1.92	-3.73e-05	-4.33	0.0	0.07	2.65	-8.62	-0.04	-1.92	0.38
		0.38	-12.12	6.34e-04	0.0	120.0	0.07	-1.68	-8.62	-0.04	-12.12	0.76
180	30	2.21	-0.98	-1.53e-04	-4.33	0.0	-1.32	3.66	-5.37	-0.02	-0.98	0.14
		0.14	-7.49	2.19e-04	0.0	120.0	-1.32	-0.67	-5.37	-0.02	-7.49	2.18
180	39	3.75	-1.15	-1.20e-04	-4.33	0.0	2.52	4.82	-1.71	-5.82e-03	-1.15	1.33
		1.33	-2.86	2.98e-04	0.0	120.0	2.52	0.49	-1.71	-5.82e-03	-2.86	3.75
180	42	6.34	5.82	-4.12e-04	-4.33	0.0	-2.51	6.63	4.19	0.02	1.13	0.22
		0.22	1.13	-8.58e-04	0.0	120.0	-2.51	2.30	4.19	0.02	5.82	6.34
180	60	8.22	11.50	-4.30e-04	-4.33	0.0	0.05	8.00	8.50	0.04	1.42	1.06
		1.06	1.42	-8.99e-04	0.0	120.0	0.05	3.67	8.50	0.04	11.50	8.22
180	61	2.01	-1.44	-9.32e-05	-4.33	0.0	-0.03	3.44	-6.02	-0.03	-1.44	0.49
		0.49	-8.54	4.04e-04	0.0	120.0	-0.03	-0.89	-6.02	-0.03	-8.54	1.87
180	62	2.92	-0.71	-1.81e-04	-4.33	0.0	-0.99	4.19	-3.62	-0.01	-0.71	0.31
		0.31	-5.11	1.03e-04	0.0	120.0	-0.99	-0.14	-3.62	-0.01	-5.11	2.92
180	71	4.09	-0.91	-1.55e-04	-4.33	0.0	1.76	5.05	-0.95	-1.98e-03	-0.91	1.19
		1.19	-1.76	1.66e-04	0.0	120.0	1.76	0.72	-0.95	-1.98e-03	-1.76	4.09
180	74	6.00	4.72	-3.71e-04	-4.33	0.0	-1.74	6.39	3.43	0.02	0.89	0.36
		0.36	0.89	-7.23e-04	0.0	120.0	-1.74	2.06	3.43	0.02	4.72	6.00
180	92	7.86	10.35	-4.11e-04	-4.33	0.0	0.05	7.74	7.67	0.04	1.26	1.03
		1.03	1.26	-8.26e-04	0.0	120.0	0.05	3.41	7.67	0.04	10.35	7.86
180	93	2.30	-1.28	-1.12e-04	-4.33	0.0	-0.03	3.70	-5.19	-0.02	-1.28	0.52
		0.52	-7.39	3.31e-04	0.0	120.0	-0.03	-0.63	-5.19	-0.02	-7.39	2.23
180	94	3.16	-0.62	-1.90e-04	-4.33	0.0	-0.88	4.36	-3.06	-0.01	-0.62	0.36
		0.36	-4.35	7.10e-05	0.0	120.0	-0.88	0.03	-3.06	-0.01	-4.35	3.16
180	103	4.20	-0.81	-1.67e-04	-4.33	0.0	1.56	5.13	-0.70	-6.81e-04	-0.81	1.14
		1.14	-1.39	1.19e-04	0.0	120.0	1.56	0.80	-0.70	-6.81e-04	-1.39	4.20
180	106	5.89	4.35	-3.59e-04	-4.33	0.0	-1.54	6.32	3.18	0.02	0.79	0.41
		0.41	0.79	-6.75e-04	0.0	120.0	-1.54	1.98	3.18	0.02	4.35	5.89
180	124	10.21	17.89	-5.37e-04	-4.33	0.0	-0.13	9.42	13.14	0.07	2.29	1.25
		1.25	2.29	-1.32e-03	0.0	120.0	-0.13	5.09	13.14	0.07	17.89	10.21
180	125	0.75	-2.30	1.42e-05	-4.33	0.0	0.14	2.03	-10.66	-0.05	-2.30	0.30
		-0.13	-14.93	8.21e-04	0.0	120.0	0.14	-2.30	-10.66	-0.05	-14.93	-0.13
180	135	3.50	-1.35	-9.51e-05	-4.33	0.0	3.12	4.63	-2.33	-9.00e-03	-1.35	1.45
		1.45	-3.76	4.12e-04	0.0	120.0	3.12	0.30	-2.33	-9.00e-03	-3.76	3.47
180	138	6.62	6.72	-4.43e-04	-4.33	0.0	-3.11	6.82	4.81	0.03	1.33	0.10
		0.10	1.33	-9.74e-04	0.0	120.0	-3.11	2.49	4.81	0.03	6.72	6.62
181	2	1.60	0.03	-6.83e-05	-0.53	0.0	0.04	16.22	0.31	-0.57	0.0	0.0
		0.0	0.0	-9.50e-05	0.0	10.0	0.04	15.69	0.31	-0.57	0.03	1.60
181	3	0.56	0.0	-2.58e-05	-0.30	0.0	0.01	5.72	-0.09	-0.08	0.0	0.0
		0.0	-9.44e-03	-1.64e-05	0.0	10.0	0.01	5.42	-0.09	-0.08	-9.44e-03	0.56
181	4	1.25	0.04	-5.07e-05	-0.30	0.0	0.04	12.61	0.42	-0.55	0.0	0.0
		0.0	0.0	-9.16e-05	0.0	10.0	0.04	12.31	0.42	-0.55	0.04	1.25
181	5	0.91	0.0	-4.34e-05	-0.53	0.0	0.02	9.32	-0.24	-0.10	0.0	0.0

		0.0	-0.02	-2.01e-05	0.0	10.0	0.02	8.79	-0.24	-0.10	-0.02	0.91
181	7	0.56	0.0	-2.58e-05	-0.30	0.0	0.02	5.71	-0.12	-0.08	0.0	0.0
		0.0	-0.01	-1.67e-05	0.0	10.0	0.02	5.41	-0.12	-0.08	-0.01	0.56
181	9	0.64	0.0	-3.01e-05	-0.36	0.0	0.01	6.54	-0.12	-0.08	0.0	0.0
		0.0	-0.01	-1.57e-05	0.0	10.0	0.01	6.18	-0.12	-0.08	-0.01	0.64
181	10	1.10	0.02	-4.67e-05	-0.36	0.0	0.03	11.14	0.22	-0.39	0.0	0.0
		0.0	0.0	-6.58e-05	0.0	10.0	0.03	10.78	0.22	-0.39	0.02	1.10
181	11	0.64	0.0	-3.01e-05	-0.36	0.0	0.01	6.54	-0.14	-0.08	0.0	0.0
		0.0	-0.01	-1.59e-05	0.0	10.0	0.01	6.18	-0.14	-0.08	-0.01	0.64
181	13	0.64	0.0	-3.02e-05	-0.36	0.0	7.74e-03	6.55	-0.10	-0.08	0.0	0.0
		0.0	-9.87e-03	-1.55e-05	0.0	10.0	7.74e-03	6.19	-0.10	-0.08	-9.87e-03	0.64
181	14	0.87	7.41e-03	-3.85e-05	-0.36	0.0	0.02	8.85	0.07	-0.23	0.0	0.0
		0.0	0.0	-4.05e-05	0.0	10.0	0.02	8.49	0.07	-0.23	7.41e-03	0.87
181	15	0.64	0.0	-3.02e-05	-0.36	0.0	8.88e-03	6.55	-0.11	-0.08	0.0	0.0
		0.0	-0.01	-1.55e-05	0.0	10.0	8.88e-03	6.19	-0.11	-0.08	-0.01	0.64
181	17	0.64	0.0	-3.02e-05	-0.36	0.0	7.74e-03	6.55	-0.10	-0.08	0.0	0.0
		0.0	-9.87e-03	-1.55e-05	0.0	10.0	7.74e-03	6.19	-0.10	-0.08	-9.87e-03	0.64
181	18	0.77	4.95e-04	-3.52e-05	-0.36	0.0	0.01	7.93	4.95e-03	-0.17	0.0	0.0
		0.0	0.0	-3.05e-05	0.0	10.0	0.01	7.57	4.95e-03	-0.17	4.95e-04	0.77
181	28	1.39	1.89	-5.14e-05	-0.36	0.0	0.03	14.12	18.93	-1.06	0.0	0.0
		0.0	0.0	-1.84e-04	0.0	10.0	0.03	13.76	18.93	-1.06	1.89	1.39
181	29	0.16	0.0	-1.90e-05	-0.36	0.0	-2.04e-03	1.74	-18.92	0.72	0.0	0.0
		0.0	-1.89	1.23e-04	0.0	10.0	-2.04e-03	1.38	-18.92	0.72	-1.89	0.16
181	36	1.28	1.56	-2.85e-05	-0.36	0.0	-2.61	13.00	15.58	-0.97	0.0	0.0
		0.0	0.0	-1.77e-04	0.0	10.0	-2.61	12.64	15.58	-0.97	1.56	1.28
181	39	0.54	0.0	-5.17e-05	-0.36	0.0	3.15	5.54	-7.30	0.23	0.0	0.0
		0.0	-0.73	4.63e-05	0.0	10.0	3.15	5.18	-7.30	0.23	-0.73	0.54
181	42	1.01	0.73	-1.87e-05	-0.36	0.0	-3.12	10.32	7.31	-0.57	0.0	0.0
		0.0	0.0	-1.07e-04	0.0	10.0	-3.12	9.95	7.31	-0.57	0.73	1.01
181	60	1.23	1.40	-4.70e-05	-0.36	0.0	0.09	12.50	13.95	-0.83	0.0	0.0
		0.0	0.0	-1.44e-04	0.0	10.0	0.09	12.14	13.95	-0.83	1.40	1.23
181	61	0.32	0.0	-2.33e-05	-0.36	0.0	-0.07	3.36	-13.95	0.49	0.0	0.0
		0.0	-1.39	8.29e-05	0.0	10.0	-0.07	3.00	-13.95	0.49	-1.39	0.32
181	68	1.15	1.16	-3.03e-05	-0.36	0.0	-1.88	11.70	11.57	-0.77	0.0	0.0
		0.0	0.0	-1.40e-04	0.0	10.0	-1.88	11.34	11.57	-0.77	1.16	1.15
181	71	0.60	0.0	-4.72e-05	-0.36	0.0	2.33	6.14	-5.48	0.13	0.0	0.0
		0.0	-0.55	2.79e-05	0.0	10.0	2.33	5.78	-5.48	0.13	-0.55	0.60
181	74	0.95	0.55	-2.31e-05	-0.36	0.0	-2.31	9.72	5.49	-0.48	0.0	0.0
		0.0	0.0	-8.89e-05	0.0	10.0	-2.31	9.36	5.49	-0.48	0.55	0.95
181	92	1.18	1.24	-4.57e-05	-0.36	0.0	0.09	11.97	12.35	-0.76	0.0	0.0
		0.0	0.0	-1.31e-04	0.0	10.0	0.09	11.61	12.35	-0.76	1.24	1.18
181	93	0.37	0.0	-2.47e-05	-0.36	0.0	-0.07	3.89	-12.34	0.41	0.0	0.0
		0.0	-1.23	7.00e-05	0.0	10.0	-0.07	3.53	-12.34	0.41	-1.23	0.37
181	100	1.11	1.02	-3.09e-05	-0.36	0.0	-1.67	11.27	10.25	-0.70	0.0	0.0
		0.0	0.0	-1.27e-04	0.0	10.0	-1.67	10.91	10.25	-0.70	1.02	1.11
181	103	0.62	0.0	-4.58e-05	-0.36	0.0	2.08	6.34	-4.86	0.10	0.0	0.0
		0.0	-0.49	2.14e-05	0.0	10.0	2.08	5.98	-4.86	0.10	-0.49	0.62
181	106	0.93	0.49	-2.45e-05	-0.36	0.0	-2.05	9.52	4.87	-0.44	0.0	0.0
		0.0	0.0	-8.24e-05	0.0	10.0	-2.05	9.16	4.87	-0.44	0.49	0.93
181	124	1.52	2.29	-5.48e-05	-0.36	0.0	-0.02	15.41	22.89	-1.25	0.0	0.0
		0.0	0.0	-2.16e-04	0.0	10.0	-0.02	15.05	22.89	-1.25	2.29	1.52
181	125	0.03	0.0	-1.56e-05	-0.36	0.0	0.05	0.45	-22.89	0.91	0.0	0.0
		0.0	-2.29	1.55e-04	0.0	10.0	0.05	0.09	-22.89	0.91	-2.29	0.03
181	132	1.39	1.88	-2.71e-05	-0.36	0.0	-3.21	14.05	18.81	-1.13	0.0	0.0
		0.0	0.0	-2.07e-04	0.0	10.0	-3.21	13.69	18.81	-1.13	1.88	1.39
181	135	0.49	0.0	-5.52e-05	-0.36	0.0	3.83	5.05	-8.82	0.31	0.0	0.0
		0.0	-0.88	6.20e-05	0.0	10.0	3.83	4.69	-8.82	0.31	-0.88	0.49
181	138	1.06	0.88	-1.52e-05	-0.36	0.0	-3.80	10.81	8.83	-0.66	0.0	0.0
		0.0	0.0	-1.23e-04	0.0	10.0	-3.80	10.45	8.83	-0.66	0.88	1.06
182	2	1.56	0.04	-1.40e-04	-8.47	0.0	16.27	2.40	-7.16e-03	-4.86e-04	0.04	1.02
		-1.91	0.02	-1.66e-04	0.0	160.0	16.27	-6.06	-7.16e-03	-4.86e-04	0.02	-1.91
182	3	0.74	9.94e-03	-4.78e-05	-4.81	0.0	3.06	2.13	1.68e-03	-2.67e-04	7.25e-03	-8.87e-03
		-0.45	7.25e-03	-1.06e-04	0.0	160.0	3.06	-2.68	1.68e-03	-2.67e-04	9.94e-03	-0.45
182	7	0.74	0.01	-6.40e-05	-4.81	0.0	3.22	2.16	6.30e-03	-4.76e-04	3.49e-03	-0.04
		-0.44	3.49e-03	-1.75e-04	0.0	160.0	3.22	-2.66	6.30e-03	-4.76e-04	0.01	-0.44
182	9	0.90	9.18e-03	-3.88e-05	-5.77	0.0	3.01	2.58	-6.19e-04	-1.72e-04	9.18e-03	-0.02
		-0.51	8.19e-03	-7.19e-05	0.0	160.0	3.01	-3.20	-6.19e-04	-1.72e-04	8.19e-03	-0.51
182	10	1.06	0.03	-9.89e-05	-5.77	0.0	11.20	1.63	-5.48e-03	-3.13e-04	0.03	0.69
		-1.31	0.02	-1.11e-04	0.0	160.0	11.20	-4.14	-5.48e-03	-3.13e-04	0.02	-1.31
182	11	0.90	0.01	-4.66e-05	-5.77	0.0	3.11	2.60	2.46e-03	-3.11e-04	6.67e-03	-0.04
		-0.50	6.67e-03	-1.18e-04	0.0	160.0	3.11	-3.18	2.46e-03	-3.11e-04	0.01	-0.50
182	13	0.91	0.01	-2.87e-05	-5.77	0.0	2.85	2.55	-5.24e-03	3.65e-05	0.01	0.01
		-0.53	4.55e-03	-2.59e-06	0.0	160.0	2.85	-3.23	-5.24e-03	3.65e-05	4.55e-03	-0.53
182	14	0.96	0.02	-5.09e-05	-5.77	0.0	6.94	2.08	-7.67e-03	-3.37e-05	0.02	0.37
		-0.93	8.97e-03	-2.21e-05	0.0	160.0	6.94	-3.70	-7.67e-03	-3.37e-05	8.97e-03	-0.93

182	17	0.91	0.01	-2.87e-05	-5.77	0.0	2.85	2.55	-5.24e-03	3.65e-05	0.01	0.01
		-0.53	4.55e-03	-2.59e-06	0.0	160.0	2.85	-3.23	-5.24e-03	3.65e-05	4.55e-03	-0.53
182	18	0.93	0.02	-3.99e-05	-5.77	0.0	5.31	2.26	-6.70e-03	-5.59e-06	0.02	0.23
		-0.77	7.20e-03	-1.43e-05	0.0	160.0	5.31	-3.51	-6.70e-03	-5.59e-06	7.20e-03	-0.77
182	19	5.00	5.54	1.08e-03	-5.77	0.0	-1.28	-2.95	-1.19	-0.02	2.41	5.00
		-4.33	2.41	3.28e-03	0.0	160.0	-1.28	-8.72	-1.19	-0.02	5.54	-4.33
182	20	8.91	3.01	5.43e-04	-5.77	0.0	-5.08	-7.24	-2.37	-0.03	1.46	8.91
		-7.30	1.46	6.32e-03	0.0	160.0	-5.08	-13.02	-2.37	-0.03	3.01	-7.30
182	21	5.76	-1.42	-6.19e-04	-5.77	0.0	15.69	11.77	2.36	0.03	-1.42	-8.45
		-8.45	-3.00	-6.35e-03	0.0	160.0	15.69	6.00	2.36	0.03	-3.00	5.76
182	22	2.79	-2.38	-1.16e-03	-5.77	0.0	11.89	7.48	1.17	0.02	-2.38	-4.55
		-4.55	-5.52	-3.31e-03	0.0	160.0	11.89	1.70	1.17	0.02	-5.52	2.79
182	28	9.95	2.39	7.08e-04	-5.77	0.0	10.54	-8.47	-2.09	0.02	1.31	9.95
		-8.23	1.31	5.11e-03	0.0	160.0	10.54	-14.25	-2.09	0.02	2.39	-8.23
182	29	6.69	-1.27	-7.84e-04	-5.77	0.0	0.07	13.00	2.08	-0.02	-1.27	-9.50
		-9.50	-2.37	-5.13e-03	0.0	160.0	0.07	7.23	2.08	-0.02	-2.37	6.69
182	51	3.71	4.06	7.80e-04	-5.77	0.0	0.38	-1.54	-0.90	-0.01	1.76	3.71
		-3.37	1.76	2.40e-03	0.0	160.0	0.38	-7.31	-0.90	-0.01	4.06	-3.37
182	52	6.62	2.22	3.81e-04	-5.77	0.0	-2.50	-4.74	-1.78	-0.02	1.05	6.62
		-5.59	1.05	4.61e-03	0.0	160.0	-2.50	-10.52	-1.78	-0.02	2.22	-5.59
182	53	4.04	-1.02	-4.58e-04	-5.77	0.0	13.11	9.27	1.77	0.02	-1.02	-6.17
		-6.17	-2.21	-4.64e-03	0.0	160.0	13.11	3.50	1.77	0.02	-2.21	4.04
182	54	1.83	-1.73	-8.56e-04	-5.77	0.0	10.23	6.07	0.88	0.01	-1.73	-3.26
		-3.26	-4.05	-2.43e-03	0.0	160.0	10.23	0.29	0.88	0.01	-4.05	1.83
182	60	7.39	1.76	5.02e-04	-5.77	0.0	9.37	-5.65	-1.57	0.01	0.95	7.39
		-6.27	0.95	3.72e-03	0.0	160.0	9.37	-11.42	-1.57	0.01	1.76	-6.27
182	61	4.73	-0.92	-5.78e-04	-5.77	0.0	1.24	10.18	1.56	-0.01	-0.92	-6.94
		-6.94	-1.75	-3.75e-03	0.0	160.0	1.24	4.40	1.56	-0.01	-1.75	4.73
182	83	3.30	3.59	6.85e-04	-5.77	0.0	0.94	-1.09	-0.80	-0.01	1.56	3.30
		-3.07	1.56	2.12e-03	0.0	160.0	0.94	-6.87	-0.80	-0.01	3.59	-3.07
182	84	5.89	1.97	3.32e-04	-5.77	0.0	-1.62	-3.94	-1.58	-0.02	0.93	5.89
		-5.03	0.93	4.07e-03	0.0	160.0	-1.62	-9.71	-1.58	-0.02	1.97	-5.03
182	85	3.49	-0.89	-4.08e-04	-5.77	0.0	12.23	8.47	1.57	0.02	-0.89	-5.44
		-5.44	-1.95	-4.10e-03	0.0	160.0	12.23	2.69	1.57	0.02	-1.95	3.49
182	86	1.53	-1.53	-7.61e-04	-5.77	0.0	9.67	5.62	0.78	0.01	-1.53	-2.85
		-2.85	-3.58	-2.15e-03	0.0	160.0	9.67	-0.15	0.78	0.01	-3.58	1.53
182	92	6.57	1.56	4.39e-04	-5.77	0.0	8.94	-4.74	-1.40	0.01	0.84	6.57
		-5.64	0.84	3.29e-03	0.0	160.0	8.94	-10.52	-1.40	0.01	1.56	-5.64
182	93	4.09	-0.81	-5.15e-04	-5.77	0.0	1.67	9.27	1.38	-0.01	-0.81	-6.12
		-6.12	-1.55	-3.32e-03	0.0	160.0	1.67	3.50	1.38	-0.01	-1.55	4.09
182	115	5.98	6.62	1.32e-03	-5.77	0.0	-2.57	-4.02	-1.38	-0.02	2.90	5.98
		-5.07	2.90	3.90e-03	0.0	160.0	-2.57	-9.79	-1.38	-0.02	6.62	-5.07
182	116	10.70	3.57	6.61e-04	-5.77	0.0	-7.14	-9.21	-2.80	-0.04	1.75	10.70
		-8.65	1.75	7.57e-03	0.0	160.0	-7.14	-14.98	-2.80	-0.04	3.57	-8.65
182	117	7.11	-1.72	-7.38e-04	-5.77	0.0	17.75	13.73	2.79	0.04	-1.72	-10.25
		-10.25	-3.56	-7.60e-03	0.0	160.0	17.75	7.96	2.79	0.04	-3.56	7.11
182	118	3.52	-2.86	-1.39e-03	-5.77	0.0	13.18	8.55	1.37	0.02	-2.86	-5.53
		-5.53	-6.60	-3.92e-03	0.0	160.0	13.18	2.77	1.37	0.02	-6.60	3.52
182	124	11.99	2.84	8.66e-04	-5.77	0.0	11.51	-10.72	-2.47	0.02	1.58	11.99
		-9.79	1.58	6.14e-03	0.0	160.0	11.51	-16.50	-2.47	0.02	2.84	-9.79
182	125	8.25	-1.54	-9.42e-04	-5.77	0.0	-0.90	15.25	2.46	-0.02	-1.54	-11.54
		-11.54	-2.82	-6.17e-03	0.0	160.0	-0.90	9.48	2.46	-0.02	-2.82	8.25
183	2	1.12	0.04	-2.27e-04	-8.47	0.0	10.33	3.38	0.17	-2.05e-03	-0.23	0.04
		-1.32	-0.23	-2.05e-04	0.0	160.0	10.33	-5.08	0.17	-2.05e-03	0.04	-1.32
183	5	1.29	7.88e-03	-7.95e-05	-8.47	0.0	5.71	4.00	0.10	-1.25e-03	-0.15	-0.22
		-0.59	-0.15	-1.75e-04	0.0	160.0	5.71	-4.46	0.10	-1.25e-03	7.88e-03	-0.59
183	6	1.17	0.03	-1.91e-04	-8.47	0.0	8.64	3.57	0.17	-2.00e-03	-0.24	-0.04
		-1.09	-0.24	-2.37e-04	0.0	160.0	8.64	-4.89	0.17	-2.00e-03	0.03	-1.09
183	7	0.72	3.86e-03	-6.29e-05	-4.81	0.0	3.65	2.24	0.09	-1.02e-03	-0.14	-0.11
		-0.38	-0.14	-1.68e-04	0.0	160.0	3.65	-2.58	0.09	-1.02e-03	3.86e-03	-0.38
183	10	0.76	0.03	-1.55e-04	-5.77	0.0	7.37	2.30	0.12	-1.38e-03	-0.16	0.03
		-0.92	-0.16	-1.39e-04	0.0	160.0	7.37	-3.48	0.12	-1.38e-03	0.03	-0.92
183	11	0.87	6.98e-03	-5.61e-05	-5.77	0.0	4.29	2.71	0.07	-8.49e-04	-0.11	-0.14
		-0.42	-0.11	-1.19e-04	0.0	160.0	4.29	-3.06	0.07	-8.49e-04	6.98e-03	-0.42
183	12	0.79	0.02	-1.30e-04	-5.77	0.0	6.24	2.42	0.11	-1.35e-03	-0.16	-0.02
		-0.76	-0.16	-1.61e-04	0.0	160.0	6.24	-3.35	0.11	-1.35e-03	0.02	-0.76
183	14	0.80	0.02	-9.03e-05	-5.77	0.0	6.40	2.50	0.06	-7.52e-04	-0.07	-0.06
		-0.68	-0.07	-5.03e-05	0.0	160.0	6.40	-3.28	0.06	-7.52e-04	0.02	-0.68
183	15	0.86	0.01	-4.27e-05	-5.77	0.0	4.86	2.70	0.04	-4.86e-04	-0.05	-0.15
		-0.44	-0.05	-4.06e-05	0.0	160.0	4.86	-3.07	0.04	-4.86e-04	0.01	-0.44
183	17	0.86	0.01	-3.98e-05	-5.77	0.0	5.01	2.70	0.03	-3.96e-04	-0.03	-0.15
		-0.44	-0.03	-2.09e-05	0.0	160.0	5.01	-3.07	0.03	-3.96e-04	0.01	-0.44
183	18	0.83	0.02	-6.91e-05	-5.77	0.0	5.84	2.58	0.05	-6.10e-04	-0.06	-0.10
		-0.59	-0.06	-3.86e-05	0.0	160.0	5.84	-3.19	0.05	-6.10e-04	0.02	-0.59
183	29	-0.36	-1.30	1.98e-03	-5.77	0.0	-3.17	0.74	4.34	0.02	-5.05	-0.44

		-3.83	-5.05	-7.68e-03	0.0	160.0	-3.17	-5.03	4.34	0.02	-1.30	-3.83
183	32	2.93	4.56	-2.13e-03	-5.77	0.0	14.26	4.39	-4.05	-0.02	4.56	0.38
		0.38	1.28	7.01e-03	0.0	160.0	14.26	-1.39	-4.05	-0.02	1.28	2.62
183	36	2.58	5.40	-8.73e-04	-5.77	0.0	-2.39	4.39	-4.53	-0.02	5.40	-0.24
		-0.24	-1.03	8.52e-03	0.0	160.0	-2.39	-1.38	-4.53	-0.02	-1.03	2.37
183	37	0.11	1.06	7.35e-04	-5.77	0.0	14.08	0.77	4.63	0.02	-5.51	0.05
		-3.54	-5.51	-8.59e-03	0.0	160.0	14.08	-5.00	4.63	0.02	1.06	-3.54
183	47	0.23	2.38	-3.50e-04	-5.77	0.0	22.84	1.70	2.00	8.63e-04	-2.01	-0.19
		-2.02	-2.01	-2.93e-03	0.0	160.0	22.84	-4.07	2.00	8.63e-04	2.38	-2.02
183	50	1.61	1.90	2.12e-04	-5.77	0.0	-11.16	3.46	-1.91	-2.08e-03	1.90	4.25e-03
		4.25e-03	-2.35	2.86e-03	0.0	160.0	-11.16	-2.32	-1.91	-2.08e-03	-2.35	0.84
183	61	-0.15	-0.94	1.46e-03	-5.77	0.0	-0.67	1.21	3.23	0.01	-3.78	-0.35
		-2.99	-3.78	-5.56e-03	0.0	160.0	-0.67	-4.56	3.23	0.01	-0.94	-2.99
183	64	2.31	3.40	-1.60e-03	-5.77	0.0	11.91	3.92	-2.99	-0.01	3.40	0.26
		0.26	0.94	5.06e-03	0.0	160.0	11.91	-1.85	-2.99	-0.01	0.94	1.79
183	68	2.05	4.00	-6.88e-04	-5.77	0.0	-0.26	3.94	-3.34	-0.01	4.00	-0.20
		-0.20	-0.77	6.15e-03	0.0	160.0	-0.26	-1.84	-3.34	-0.01	-0.77	1.63
183	69	0.19	0.81	5.49e-04	-5.77	0.0	11.94	1.22	3.44	0.01	-4.12	0.01
		-2.80	-4.12	-6.22e-03	0.0	160.0	11.94	-4.55	3.44	0.01	0.81	-2.80
183	79	0.35	1.75	-2.46e-04	-5.77	0.0	18.38	1.92	1.51	6.47e-04	-1.53	-0.17
		-1.66	-1.53	-2.16e-03	0.0	160.0	18.38	-3.85	1.51	6.47e-04	1.75	-1.66
183	82	1.40	1.42	1.08e-04	-5.77	0.0	-6.70	3.24	-1.41	-1.87e-03	1.42	-0.02
		-0.02	-1.72	2.08e-03	0.0	160.0	-6.70	-2.53	-1.41	-1.87e-03	-1.72	0.49
183	93	-0.06	-0.83	1.28e-03	-5.77	0.0	0.09	1.37	2.86	0.01	-3.36	-0.33
		-2.72	-3.36	-4.91e-03	0.0	160.0	0.09	-4.41	2.86	0.01	-0.83	-2.72
183	96	2.12	3.01	-1.43e-03	-5.77	0.0	11.21	3.77	-2.64	-0.01	3.01	0.22
		0.22	0.83	4.46e-03	0.0	160.0	11.21	-2.00	-2.64	-0.01	0.83	1.52
183	100	1.88	3.54	-6.20e-04	-5.77	0.0	0.44	3.78	-2.96	-0.01	3.54	-0.19
		-0.19	-0.69	5.42e-03	0.0	160.0	0.44	-1.99	-2.96	-0.01	-0.69	1.38
183	101	0.23	0.72	4.81e-04	-5.77	0.0	11.25	1.38	3.05	0.01	-3.65	1.47e-03
		-2.55	-3.65	-5.50e-03	0.0	160.0	11.25	-4.40	3.05	0.01	0.72	-2.55
183	111	0.40	1.55	-2.22e-04	-5.77	0.0	16.95	1.99	1.34	5.26e-04	-1.37	-0.16
		-1.54	-1.37	-1.91e-03	0.0	160.0	16.95	-3.78	1.34	5.26e-04	1.55	-1.54
183	114	1.33	1.25	8.41e-05	-5.77	0.0	-5.26	3.17	-1.25	-1.75e-03	1.25	-0.03
		-0.03	-1.52	1.83e-03	0.0	160.0	-5.26	-2.61	-1.25	-1.75e-03	-1.52	0.37
183	124	3.48	5.88	-2.55e-03	-5.77	0.0	16.75	4.80	-5.10	-0.02	5.88	0.32
		0.32	1.61	9.18e-03	0.0	160.0	16.75	-0.97	-5.10	-0.02	1.61	3.34
183	125	-0.49	-1.58	2.41e-03	-5.77	0.0	-5.06	0.36	5.19	0.02	-6.00	-0.51
		-4.51	-6.00	-9.26e-03	0.0	160.0	-5.06	-5.42	5.19	0.02	-1.58	-4.51
183	132	3.08	6.50	-1.04e-03	-5.77	0.0	-4.11	4.76	-5.46	-0.02	6.50	-0.27
		-0.27	-1.24	0.01	0.0	160.0	-4.11	-1.01	-5.46	-0.02	-1.24	2.98
183	133	0.08	1.27	9.03e-04	-5.77	0.0	15.79	0.40	5.56	0.02	-6.61	0.08
		-4.16	-6.61	-0.01	0.0	160.0	15.79	-5.38	5.56	0.02	1.27	-4.16
183	143	0.13	2.87	-4.10e-04	-5.77	0.0	26.41	1.52	2.42	1.19e-03	-2.43	-0.21
		-2.32	-2.43	-3.55e-03	0.0	160.0	26.41	-4.25	2.42	1.19e-03	2.87	-2.32
183	146	1.80	2.32	2.72e-04	-5.77	0.0	-14.72	3.64	-2.32	-2.41e-03	2.32	0.02
		0.02	-2.84	3.47e-03	0.0	160.0	-14.72	-2.13	-2.32	-2.41e-03	-2.84	1.14
184	1	1.30	0.04	2.11e-04	-8.47	0.0	3.98	4.05	-0.02	2.18e-04	0.04	-0.24
		-0.54	7.94e-03	-5.79e-05	0.0	160.0	3.98	-4.42	-0.02	2.18e-04	7.94e-03	-0.54
184	2	1.18	0.07	2.63e-04	-8.47	0.0	19.68	4.31	-0.03	1.11e-03	0.07	-0.57
		-0.57	0.02	-2.14e-05	0.0	160.0	19.68	-4.16	-0.03	1.11e-03	0.02	-0.45
184	3	0.70	0.03	1.48e-04	-4.81	0.0	2.81	2.40	-0.01	1.89e-04	0.03	-0.26
		-0.26	6.81e-03	-5.82e-05	0.0	160.0	2.81	-2.41	-0.01	1.89e-04	6.81e-03	-0.26
184	6	1.16	0.07	2.53e-04	-8.47	0.0	14.38	4.54	-0.03	8.75e-04	0.07	-0.78
		-0.78	0.02	-7.47e-05	0.0	160.0	14.38	-3.93	-0.03	8.75e-04	0.02	-0.29
184	7	0.66	0.04	1.54e-04	-4.81	0.0	2.22	2.71	-0.02	2.21e-04	0.04	-0.56
		-0.56	0.01	-1.01e-04	0.0	160.0	2.22	-2.10	-0.02	2.21e-04	0.01	-0.08
184	8	0.60	0.06	1.91e-04	-4.81	0.0	13.21	2.89	-0.03	8.46e-04	0.06	-0.79
		-0.79	0.02	-7.50e-05	0.0	160.0	13.21	-1.92	-0.03	8.46e-04	0.02	-0.02
184	9	0.89	0.02	1.54e-04	-5.77	0.0	3.13	2.71	-0.01	1.67e-04	0.02	-0.12
		-0.40	4.79e-03	-3.76e-05	0.0	160.0	3.13	-3.06	-0.01	1.67e-04	4.79e-03	-0.40
184	10	0.81	0.05	1.89e-04	-5.77	0.0	13.60	2.89	-0.02	7.62e-04	0.05	-0.34
		-0.35	0.01	-1.32e-05	0.0	160.0	13.60	-2.89	-0.02	7.62e-04	0.01	-0.35
184	11	0.85	0.03	1.58e-04	-5.77	0.0	2.74	2.92	-0.02	1.88e-04	0.03	-0.33
		-0.33	8.34e-03	-6.59e-05	0.0	160.0	2.74	-2.86	-0.02	1.88e-04	8.34e-03	-0.28
184	12	0.79	0.05	1.83e-04	-5.77	0.0	10.06	3.04	-0.02	6.05e-04	0.05	-0.48
		-0.48	0.01	-4.88e-05	0.0	160.0	10.06	-2.74	-0.02	6.05e-04	0.01	-0.24
184	13	0.98	0.01	1.48e-04	-5.77	0.0	3.72	2.40	-8.28e-03	1.35e-04	0.01	0.18
		-0.59	-5.28e-04	4.83e-06	0.0	160.0	3.72	-3.37	-8.28e-03	1.35e-04	-5.28e-04	-0.59
184	14	0.93	0.02	1.66e-04	-5.77	0.0	8.95	2.49	-0.01	4.32e-04	0.02	0.07
		-0.56	2.27e-03	1.70e-05	0.0	160.0	8.95	-3.28	-0.01	4.32e-04	2.27e-03	-0.56
184	15	0.95	0.02	1.50e-04	-5.77	0.0	3.52	2.51	-9.71e-03	1.45e-04	0.02	0.08
		-0.53	1.25e-03	-9.31e-06	0.0	160.0	3.52	-3.27	-9.71e-03	1.45e-04	1.25e-03	-0.53
184	17	0.98	0.01	1.48e-04	-5.77	0.0	3.72	2.40	-8.28e-03	1.35e-04	0.01	0.18
		-0.59	-5.28e-04	4.83e-06	0.0	160.0	3.72	-3.37	-8.28e-03	1.35e-04	-5.28e-04	-0.59

184	18	0.95	0.02	1.59e-04	-5.77	0.0	6.86	2.46	-0.01	3.13e-04	0.02	0.12
		-0.57	1.15e-03	1.21e-05	0.0	160.0	6.86	-3.32	-0.01	3.13e-04	1.15e-03	-0.57
184	19	1.40	3.31	8.47e-05	-5.77	0.0	3.66	5.44	-1.86	6.14e-03	3.31	-2.70
		-2.70	-0.46	2.45e-03	0.0	160.0	3.66	-0.33	-1.86	6.14e-03	-0.46	1.39
184	22	2.93	0.46	2.33e-04	-5.77	0.0	10.06	-0.53	1.84	-5.52e-03	-3.27	2.93
		-2.54	-3.27	-2.43e-03	0.0	160.0	10.06	-6.30	1.84	-5.52e-03	0.46	-2.54
184	48	5.43	-0.94	2.70e-04	-5.77	0.0	-3.51	11.65	0.55	0.01	-1.14	-8.60
		-8.60	-1.14	2.93e-03	0.0	160.0	-3.51	5.88	0.55	0.01	-0.94	5.43
184	49	8.83	1.18	-5.45e-05	-5.77	0.0	17.22	-6.74	-0.57	-0.01	1.18	8.83
		-6.58	0.94	-2.90e-03	0.0	160.0	17.22	-12.52	-0.57	-0.01	0.94	-6.58
184	51	1.06	2.41	1.05e-04	-5.77	0.0	4.46	4.69	-1.37	4.70e-03	2.41	-1.99
		-1.99	-0.35	1.77e-03	0.0	160.0	4.46	-1.08	-1.37	4.70e-03	-0.35	0.90
184	54	2.23	0.36	2.13e-04	-5.77	0.0	9.26	0.22	1.35	-4.07e-03	-2.38	2.22
		-2.04	-2.38	-1.75e-03	0.0	160.0	9.26	-5.55	1.35	-4.07e-03	0.36	-2.04
184	80	3.94	-0.72	2.42e-04	-5.77	0.0	-0.99	9.37	0.40	9.57e-03	-0.83	-6.44
		-6.44	-0.83	2.15e-03	0.0	160.0	-0.99	3.59	0.40	9.57e-03	-0.72	3.94
184	81	6.67	0.87	7.63e-05	-5.77	0.0	14.71	-4.45	-0.42	-8.94e-03	0.87	6.67
		-5.08	0.72	-2.13e-03	0.0	160.0	14.71	-10.23	-0.42	-8.94e-03	0.72	-5.08
184	83	0.98	2.14	1.12e-04	-5.77	0.0	4.73	4.44	-1.21	4.20e-03	2.14	-1.75
		-1.75	-0.32	1.56e-03	0.0	160.0	4.73	-1.33	-1.21	4.20e-03	-0.32	0.73
184	86	2.02	0.32	2.06e-04	-5.77	0.0	8.99	0.47	1.19	-3.58e-03	-2.10	1.99
		-1.88	-2.10	-1.54e-03	0.0	160.0	8.99	-5.30	1.19	-3.58e-03	0.32	-1.88
184	112	3.43	-0.64	2.32e-04	-5.77	0.0	-0.12	8.59	0.35	8.52e-03	-0.73	-5.70
		-5.70	-0.73	1.91e-03	0.0	160.0	-0.12	2.81	0.35	8.52e-03	-0.64	3.43
184	113	5.93	0.77	8.57e-05	-5.77	0.0	13.83	-3.68	-0.38	-7.90e-03	0.77	5.93
		-4.57	0.64	-1.88e-03	0.0	160.0	13.83	-9.45	-0.38	-7.90e-03	0.64	-4.57
184	115	1.80	3.97	6.97e-05	-5.77	0.0	2.99	6.06	-2.23	7.28e-03	3.97	-3.28
		-3.28	-0.55	2.97e-03	0.0	160.0	2.99	0.29	-2.23	7.28e-03	-0.55	1.80
184	118	3.52	0.55	2.48e-04	-5.77	0.0	10.73	-1.15	2.20	-6.66e-03	-3.93	3.52
		-2.94	-3.93	-2.94e-03	0.0	160.0	10.73	-6.92	2.20	-6.66e-03	0.55	-2.94
184	144	6.69	-1.13	2.92e-04	-5.77	0.0	-5.62	13.58	0.66	0.02	-1.39	-10.43
		-10.43	-1.39	3.57e-03	0.0	160.0	-5.62	7.81	0.66	0.02	-1.13	6.69
184	145	10.66	1.42	-7.23e-05	-5.77	0.0	19.34	-8.67	-0.68	-0.01	1.42	10.66
		-7.83	1.13	-3.55e-03	0.0	160.0	19.34	-14.44	-0.68	-0.01	1.13	-7.83
185	2	4.36	0.02	1.71e-03	-14.14	0.0	-17.05	7.01	7.10e-03	8.95e-03	4.90e-04	-0.84
		-1.04	4.90e-04	2.50e-03	0.0	300.0	-17.05	-7.14	7.10e-03	8.95e-03	0.02	-1.04
185	7	0.79	3.98e-03	2.45e-04	-2.57	0.0	-3.15	1.28	1.29e-03	1.27e-03	1.13e-04	-0.17
		-0.18	1.13e-04	3.44e-04	0.0	300.0	-3.15	-1.29	1.29e-03	1.27e-03	3.98e-03	-0.18
185	10	3.01	0.02	1.17e-03	-9.77	0.0	-11.79	4.84	4.90e-03	6.22e-03	3.42e-04	-0.59
		-0.72	3.42e-04	1.74e-03	0.0	300.0	-11.79	-4.93	4.90e-03	6.22e-03	0.02	-0.72
185	11	0.78	3.95e-03	2.26e-04	-2.57	0.0	-3.16	1.29	1.26e-03	1.11e-03	1.60e-04	-0.19
		-0.19	1.60e-04	4.08e-04	0.0	300.0	-3.16	-1.28	1.26e-03	1.11e-03	3.95e-03	-0.18
185	14	1.89	9.44e-03	6.91e-04	-6.17	0.0	-7.49	3.07	3.05e-03	3.65e-03	2.93e-04	-0.40
		-0.44	2.93e-04	1.17e-03	0.0	300.0	-7.49	-3.10	3.05e-03	3.65e-03	9.44e-03	-0.44
185	15	0.78	3.90e-03	2.16e-04	-2.57	0.0	-3.18	1.30	1.23e-03	1.10e-03	2.02e-04	-0.20
		-0.20	2.02e-04	5.03e-04	0.0	300.0	-3.18	-1.28	1.23e-03	1.10e-03	3.90e-03	-0.17
185	17	0.78	3.89e-03	2.14e-04	-2.57	0.0	-3.18	1.30	1.23e-03	1.10e-03	2.13e-04	-0.20
		-0.20	2.13e-04	5.27e-04	0.0	300.0	-3.18	-1.28	1.23e-03	1.10e-03	3.89e-03	-0.17
185	18	1.45	7.22e-03	5.00e-04	-4.73	0.0	-5.77	2.36	2.32e-03	2.63e-03	2.61e-04	-0.32
		-0.33	2.61e-04	9.11e-04	0.0	300.0	-5.77	-2.37	2.32e-03	2.63e-03	7.22e-03	-0.33
185	28	3.42	0.24	2.21e-03	-4.73	0.0	1.73	0.84	0.17	-5.65e-03	-0.27	3.19
		-1.38	-0.27	-0.01	0.0	300.0	1.73	-3.89	0.17	-5.65e-03	0.24	-1.38
185	29	0.94	0.27	-1.21e-03	-4.73	0.0	-13.26	3.88	-0.17	0.01	0.27	-3.83
		-3.83	-0.23	0.01	0.0	300.0	-13.26	-0.85	-0.17	0.01	-0.23	0.71
185	35	1.00	0.57	-5.66e-04	-4.73	0.0	-9.67	3.15	-0.36	0.14	0.57	-2.14
		-2.14	-0.51	0.05	0.0	300.0	-9.67	-1.58	-0.36	0.14	-0.51	0.21
185	38	2.28	0.53	1.49e-03	-4.73	0.0	-1.87	1.57	0.36	-0.13	-0.57	1.49
		-0.88	-0.57	-0.04	0.0	300.0	-1.87	-3.16	0.36	-0.13	0.53	-0.88
185	60	2.77	0.17	1.77e-03	-4.73	0.0	-0.21	1.23	0.12	8.27e-04	-0.18	2.28
		-1.11	-0.18	-5.47e-03	0.0	300.0	-0.21	-3.50	0.12	8.27e-04	0.17	-1.11
185	61	0.93	0.18	-7.69e-04	-4.73	0.0	-11.33	3.49	-0.11	4.43e-03	0.18	-2.93
		-2.93	-0.15	6.80e-03	0.0	300.0	-11.33	-1.24	-0.11	4.43e-03	-0.15	0.44
185	67	1.08	0.36	-4.34e-04	-4.73	0.0	-8.72	2.96	-0.23	0.09	0.36	-1.69
		-1.69	-0.33	0.03	0.0	300.0	-8.72	-1.78	-0.23	0.09	-0.33	0.08
185	70	2.04	0.34	1.25e-03	-4.73	0.0	-2.82	1.77	0.23	-0.08	-0.36	1.05
		-0.75	-0.36	-0.03	0.0	300.0	-2.82	-2.97	0.23	-0.08	0.34	-0.75
185	92	2.57	0.15	1.62e-03	-4.73	0.0	-0.84	1.36	0.10	1.37e-03	-0.16	1.99
		-1.02	-0.16	-4.63e-03	0.0	300.0	-0.84	-3.37	0.10	1.37e-03	0.15	-1.02
185	93	0.95	0.16	-6.44e-04	-4.73	0.0	-10.69	3.36	-0.10	3.89e-03	0.16	-2.63
		-2.63	-0.13	5.96e-03	0.0	300.0	-10.69	-1.37	-0.10	3.89e-03	-0.13	0.36
185	99	1.11	0.32	-3.98e-04	-4.73	0.0	-8.39	2.89	-0.20	0.08	0.32	-1.54
		-1.54	-0.28	0.02	0.0	300.0	-8.39	-1.84	-0.20	0.08	-0.28	0.03
185	102	1.96	0.30	1.16e-03	-4.73	0.0	-3.15	1.83	0.20	-0.07	-0.32	0.90
		-0.70	-0.32	-0.02	0.0	300.0	-3.15	-2.90	0.20	-0.07	0.30	-0.70
185	124	4.01	0.30	2.57e-03	-4.73	0.0	3.30	0.52	0.21	-9.84e-03	-0.33	3.93

		-1.60	-0.33	-0.01	0.0	300.0	3.30	-4.21	0.21	-9.84e-03	0.30	-1.60
185	125	1.02	0.33	-1.57e-03	-4.73	0.0	-14.83	4.20	-0.21	0.02	0.33	-4.57
		-4.57	-0.29	0.01	0.0	300.0	-14.83	-0.53	-0.21	0.02	-0.29	0.93
185	131	0.96	0.71	-7.16e-04	-4.73	0.0	-10.48	3.31	-0.45	0.18	0.71	-2.52
		-2.52	-0.65	0.06	0.0	300.0	-10.48	-1.42	-0.45	0.18	-0.65	0.33
185	134	2.50	0.66	1.70e-03	-4.73	0.0	-1.05	1.41	0.46	-0.17	-0.71	1.87
		-1.00	-0.71	-0.06	0.0	300.0	-1.05	-3.32	0.46	-0.17	0.66	-1.00
186	2	1.97	0.60	7.67e-05	-0.53	0.0	0.03	-19.39	-6.00	0.03	0.60	1.97
		0.0	0.0	1.08e-04	0.0	10.0	0.03	-19.92	-6.00	0.03	0.0	0.0
186	3	0.62	0.11	3.10e-05	-0.30	0.0	9.00e-03	-6.09	-1.14	4.49e-03	0.11	0.62
		0.0	0.0	1.69e-05	0.0	10.0	9.00e-03	-6.39	-1.14	4.49e-03	0.0	0.0
186	5	0.99	0.15	5.10e-05	-0.53	0.0	0.01	-9.64	-1.50	5.53e-03	0.15	0.99
		0.0	0.0	2.02e-05	0.0	10.0	0.01	-10.17	-1.50	5.53e-03	0.0	0.0
186	7	0.62	0.12	3.09e-05	-0.30	0.0	0.01	-6.05	-1.17	4.35e-03	0.12	0.62
		0.0	0.0	1.52e-05	0.0	10.0	0.01	-6.35	-1.17	4.35e-03	0.0	0.0
186	9	0.70	0.11	3.58e-05	-0.36	0.0	7.64e-03	-6.87	-1.13	4.47e-03	0.11	0.70
		0.0	0.0	1.74e-05	0.0	10.0	7.64e-03	-7.23	-1.13	4.47e-03	0.0	0.0
186	10	1.35	0.41	5.28e-05	-0.36	0.0	0.02	-13.34	-4.15	0.02	0.41	1.35
		0.0	0.0	7.47e-05	0.0	10.0	0.02	-13.70	-4.15	0.02	0.0	0.0
186	11	0.70	0.11	3.57e-05	-0.36	0.0	9.87e-03	-6.84	-1.15	4.37e-03	0.11	0.70
		0.0	0.0	1.63e-05	0.0	10.0	9.87e-03	-7.20	-1.15	4.37e-03	0.0	0.0
186	13	0.71	0.11	3.59e-05	-0.36	0.0	4.31e-03	-6.91	-1.10	4.62e-03	0.11	0.71
		0.0	0.0	1.90e-05	0.0	10.0	4.31e-03	-7.27	-1.10	4.62e-03	0.0	0.0
186	14	1.03	0.26	4.44e-05	-0.36	0.0	9.32e-03	-10.14	-2.61	0.01	0.26	1.03
		0.0	0.0	4.77e-05	0.0	10.0	9.32e-03	-10.50	-2.61	0.01	0.0	0.0
186	15	0.71	0.11	3.58e-05	-0.36	0.0	5.42e-03	-6.89	-1.11	4.57e-03	0.11	0.71
		0.0	0.0	1.85e-05	0.0	10.0	5.42e-03	-7.26	-1.11	4.57e-03	0.0	0.0
186	17	0.71	0.11	3.59e-05	-0.36	0.0	4.31e-03	-6.91	-1.10	4.62e-03	0.11	0.71
		0.0	0.0	1.90e-05	0.0	10.0	4.31e-03	-7.27	-1.10	4.62e-03	0.0	0.0
186	18	0.90	0.20	4.10e-05	-0.36	0.0	7.31e-03	-8.85	-2.01	9.45e-03	0.20	0.90
		0.0	0.0	3.62e-05	0.0	10.0	7.31e-03	-9.21	-2.01	9.45e-03	0.0	0.0
186	21	0.24	0.50	1.93e-05	-0.36	0.0	0.28	-2.22	-4.99	-0.03	0.50	0.24
		0.0	0.0	-1.78e-04	0.0	10.0	0.28	-2.59	-4.99	-0.03	0.0	0.0
186	28	1.70	0.0	6.86e-05	-0.36	0.0	0.08	-16.82	1.36	0.06	-0.14	1.70
		0.0	-0.14	3.45e-04	0.0	10.0	0.08	-17.18	1.36	0.06	0.0	0.0
186	29	0.11	0.54	1.34e-05	-0.36	0.0	-0.07	-0.88	-5.38	-0.04	0.54	0.11
		0.0	0.0	-2.73e-04	0.0	10.0	-0.07	-1.24	-5.38	-0.04	0.0	0.0
186	36	1.55	0.0	6.16e-05	-0.36	0.0	-0.33	-15.28	0.82	0.04	-0.08	1.55
		0.0	-0.08	2.34e-04	0.0	10.0	-0.33	-15.64	0.82	0.04	0.0	0.0
186	37	0.26	0.48	2.04e-05	-0.36	0.0	0.34	-2.42	-4.83	-0.03	0.48	0.26
		0.0	0.0	-1.62e-04	0.0	10.0	0.34	-2.78	-4.83	-0.03	0.0	0.0
186	53	0.42	0.42	2.50e-05	-0.36	0.0	0.22	-3.98	-4.23	-0.02	0.42	0.42
		0.0	0.0	-1.22e-04	0.0	10.0	0.22	-4.35	-4.23	-0.02	0.0	0.0
186	60	1.49	0.0	6.13e-05	-0.36	0.0	0.07	-14.70	0.55	0.04	-0.05	1.49
		0.0	-0.05	2.64e-04	0.0	10.0	0.07	-15.06	0.55	0.04	0.0	0.0
186	61	0.32	0.46	2.07e-05	-0.36	0.0	-0.05	-3.00	-4.56	-0.03	0.46	0.32
		0.0	0.0	-1.92e-04	0.0	10.0	-0.05	-3.36	-4.56	-0.03	0.0	0.0
186	68	1.38	0.0	5.62e-05	-0.36	0.0	-0.26	-13.60	0.10	0.04	-9.57e-03	1.38
		0.0	-9.57e-03	1.82e-04	0.0	10.0	-0.26	-13.96	0.10	0.04	0.0	0.0
186	69	0.43	0.41	2.58e-05	-0.36	0.0	0.27	-4.09	-4.11	-0.02	0.41	0.43
		0.0	0.0	-1.10e-04	0.0	10.0	0.27	-4.45	-4.11	-0.02	0.0	0.0
186	85	0.47	0.40	2.69e-05	-0.36	0.0	0.20	-4.55	-3.98	-0.01	0.40	0.47
		0.0	0.0	-1.04e-04	0.0	10.0	0.20	-4.91	-3.98	-0.01	0.0	0.0
186	92	1.42	0.0	5.90e-05	-0.36	0.0	0.06	-14.02	0.26	0.04	-0.03	1.42
		0.0	-0.03	2.38e-04	0.0	10.0	0.06	-14.38	0.26	0.04	0.0	0.0
186	93	0.39	0.43	2.30e-05	-0.36	0.0	-0.04	-3.67	-4.27	-0.02	0.43	0.39
		0.0	0.0	-1.66e-04	0.0	10.0	-0.04	-4.03	-4.27	-0.02	0.0	0.0
186	100	1.32	0.01	5.45e-05	-0.36	0.0	-0.23	-13.06	-0.14	0.03	0.01	1.32
		0.0	0.0	1.65e-04	0.0	10.0	-0.23	-13.42	-0.14	0.03	0.0	0.0
186	101	0.48	0.39	2.75e-05	-0.36	0.0	0.25	-4.64	-3.87	-0.01	0.39	0.48
		0.0	0.0	-9.29e-05	0.0	10.0	0.25	-5.00	-3.87	-0.01	0.0	0.0
186	124	1.87	0.0	7.43e-05	-0.36	0.0	0.10	-18.50	2.04	0.07	-0.20	1.87
		0.0	-0.20	4.08e-04	0.0	10.0	0.10	-18.86	2.04	0.07	0.0	0.0
186	125	0.0	0.60	7.64e-06	-0.36	0.0	-0.08	0.80	-6.05	-0.05	0.60	-0.06
		-0.06	0.0	-3.35e-04	0.0	10.0	-0.08	0.44	-6.05	-0.05	0.0	0.0
186	132	1.68	0.0	6.59e-05	-0.36	0.0	-0.39	-16.62	1.40	0.05	-0.14	1.68
		0.0	-0.14	2.75e-04	0.0	10.0	-0.39	-16.98	1.40	0.05	0.0	0.0
186	133	0.13	0.54	1.61e-05	-0.36	0.0	0.40	-1.08	-5.42	-0.03	0.54	0.13
		0.0	0.0	-2.02e-04	0.0	10.0	0.40	-1.44	-5.42	-0.03	0.0	0.0
187	2	1.91	0.07	9.42e-05	-8.47	0.0	12.17	6.87	0.03	3.89e-04	0.02	-2.55
		-2.55	0.02	8.46e-05	0.0	160.0	12.17	-1.60	0.03	3.89e-04	0.07	1.67
187	3	0.96	0.03	-4.04e-05	-4.81	0.0	1.13	3.50	0.01	-1.27e-04	9.56e-03	-1.07
		-1.07	9.56e-03	-9.82e-06	0.0	160.0	1.13	-1.32	0.01	-1.27e-04	0.03	0.68
187	6	2.01	0.07	-2.32e-05	-8.47	0.0	8.27	6.97	0.03	1.50e-04	0.02	-2.59
		-2.59	0.02	4.34e-05	0.0	160.0	8.27	-1.49	0.03	1.50e-04	0.07	1.80

187	7	1.22	0.04	-8.12e-05	-4.81	0.0	0.29	4.03	0.02	-2.17e-04	0.01	-1.47
		-1.47	0.01	-2.44e-05	0.0	160.0	0.29	-0.78	0.02	-2.17e-04	0.04	1.12
187	9	1.00	0.03	-2.90e-05	-5.77	0.0	1.60	3.72	0.01	-7.33e-05	7.21e-03	-0.91
		-0.91	7.21e-03	-2.23e-06	0.0	160.0	1.60	-2.05	0.01	-7.33e-05	0.03	0.42
187	10	1.30	0.05	6.95e-05	-5.77	0.0	8.41	4.68	0.02	2.56e-04	0.01	-1.74
		-1.74	0.01	5.75e-05	0.0	160.0	8.41	-1.10	0.02	2.56e-04	0.05	1.13
187	11	1.12	0.03	-5.17e-05	-5.77	0.0	1.04	4.08	0.02	-1.34e-04	0.01	-1.18
		-1.18	0.01	-1.12e-05	0.0	160.0	1.04	-1.70	0.02	-1.34e-04	0.03	0.72
187	12	1.36	0.05	1.33e-05	-5.77	0.0	5.81	4.75	0.02	9.68e-05	0.01	-1.76
		-1.76	0.01	3.00e-05	0.0	160.0	5.81	-1.03	0.02	9.68e-05	0.05	1.22
187	13	0.90	0.02	2.97e-05	-5.77	0.0	2.43	3.19	7.85e-03	1.72e-05	2.67e-03	-0.51
		-0.51	2.67e-03	1.31e-05	0.0	160.0	2.43	-2.59	7.85e-03	1.72e-05	0.02	-0.03
187	14	0.94	0.03	7.24e-05	-5.77	0.0	5.84	3.67	0.01	1.82e-04	5.64e-03	-0.92
		-0.92	5.64e-03	4.26e-05	0.0	160.0	5.84	-2.11	0.01	1.82e-04	0.03	0.33
187	15	0.93	0.02	1.44e-05	-5.77	0.0	2.16	3.37	9.37e-03	-1.30e-05	4.18e-03	-0.64
		-0.64	4.18e-03	8.25e-06	0.0	160.0	2.16	-2.41	9.37e-03	-1.30e-05	0.02	0.12
187	16	0.96	0.03	4.01e-05	-5.77	0.0	4.20	3.65	0.01	8.58e-05	5.96e-03	-0.89
		-0.89	5.96e-03	2.59e-05	0.0	160.0	4.20	-2.12	0.01	8.58e-05	0.03	0.34
187	17	0.90	0.02	2.97e-05	-5.77	0.0	2.43	3.19	7.85e-03	1.72e-05	2.67e-03	-0.51
		-0.51	2.67e-03	1.31e-05	0.0	160.0	2.43	-2.59	7.85e-03	1.72e-05	0.02	-0.03
187	18	0.92	0.02	5.53e-05	-5.77	0.0	4.48	3.47	0.01	1.16e-04	4.45e-03	-0.75
		-0.75	4.45e-03	3.08e-05	0.0	160.0	4.48	-2.30	0.01	1.16e-04	0.02	0.19
187	19	4.22	-2.20	1.26e-03	-5.77	0.0	1.30	8.05	0.90	0.01	-3.58	-4.05
		-4.05	-3.58	-3.31e-03	0.0	160.0	1.30	2.28	0.90	0.01	-2.20	4.22
187	22	2.54	3.59	-1.15e-03	-5.77	0.0	7.65	-1.10	-0.88	-0.01	3.59	2.54
		-3.84	2.24	3.38e-03	0.0	160.0	7.65	-6.88	-0.88	-0.01	2.24	-3.84
187	40	10.43	1.29	-4.87e-04	-5.77	0.0	-6.47	15.03	0.84	0.01	1.29	-9.00
		-9.00	0.98	-2.55e-03	0.0	160.0	-6.47	9.26	0.84	0.01	0.98	10.43
187	41	7.49	-0.94	5.98e-04	-5.77	0.0	15.42	-8.08	-0.82	-0.01	-1.28	7.49
		-10.06	-1.28	2.61e-03	0.0	160.0	15.42	-13.86	-0.82	-0.01	-0.94	-10.06
187	48	11.81	1.24	-6.77e-04	-5.77	0.0	-6.41	16.63	0.86	0.01	1.24	-10.18
		-10.18	0.80	-2.48e-03	0.0	160.0	-6.41	10.85	0.86	0.01	0.80	11.81
187	49	8.67	-0.76	7.88e-04	-5.77	0.0	15.36	-9.68	-0.84	-0.01	-1.23	8.67
		-11.43	-1.23	2.54e-03	0.0	160.0	15.36	-15.45	-0.84	-0.01	-0.76	-11.43
187	51	3.18	-1.60	9.42e-04	-5.77	0.0	2.09	6.87	0.67	9.03e-03	-2.59	-3.20
		-3.20	-2.59	-2.39e-03	0.0	160.0	2.09	1.10	0.67	9.03e-03	-1.60	3.18
187	54	1.69	2.60	-8.31e-04	-5.77	0.0	6.86	0.08	-0.65	-8.79e-03	2.60	1.69
		-2.80	1.64	2.45e-03	0.0	160.0	6.86	-5.70	-0.65	-8.79e-03	1.64	-2.80
187	80	8.87	0.92	-4.92e-04	-5.77	0.0	-3.89	13.31	0.69	0.01	0.92	-7.80
		-7.80	0.59	-1.83e-03	0.0	160.0	-3.89	7.53	0.69	0.01	0.59	8.87
187	81	6.29	-0.55	6.03e-04	-5.77	0.0	12.84	-6.36	-0.67	-0.01	-0.91	6.29
		-8.50	-0.91	1.90e-03	0.0	160.0	12.84	-12.13	-0.67	-0.01	-0.55	-8.50
187	83	2.84	-1.41	8.40e-04	-5.77	0.0	2.36	6.48	0.59	7.98e-03	-2.29	-2.92
		-2.92	-2.29	-2.10e-03	0.0	160.0	2.36	0.71	0.59	7.98e-03	-1.41	2.84
187	86	1.44	2.30	-7.29e-04	-5.77	0.0	6.59	0.47	-0.57	-7.75e-03	2.30	1.41
		-2.46	1.45	2.17e-03	0.0	160.0	6.59	-5.31	-0.57	-7.75e-03	1.45	-2.46
187	112	7.89	0.82	-4.30e-04	-5.77	0.0	-2.98	12.19	0.62	9.21e-03	0.82	-7.00
		-7.00	0.52	-1.62e-03	0.0	160.0	-2.98	6.42	0.62	9.21e-03	0.52	7.89
187	113	5.49	-0.48	5.41e-04	-5.77	0.0	11.93	-5.24	-0.59	-8.98e-03	-0.81	5.49
		-7.52	-0.81	1.68e-03	0.0	160.0	11.93	-11.02	-0.59	-8.98e-03	-0.48	-7.52
187	115	5.05	-2.65	1.51e-03	-5.77	0.0	0.64	9.00	1.08	0.02	-4.32	-4.73
		-4.73	-4.32	-4.01e-03	0.0	160.0	0.64	3.23	1.08	0.02	-2.65	5.05
187	118	3.23	4.32	-1.40e-03	-5.77	0.0	8.32	-2.05	-1.06	-0.01	4.32	3.23
		-4.68	2.69	4.07e-03	0.0	160.0	8.32	-7.83	-1.06	-0.01	2.69	-4.68
187	136	12.57	1.54	-5.99e-04	-5.77	0.0	-8.67	17.44	0.98	0.02	1.54	-10.72
		-10.72	1.17	-3.07e-03	0.0	160.0	-8.67	11.67	0.98	0.02	1.17	12.57
187	137	9.21	-1.13	7.10e-04	-5.77	0.0	17.63	-10.49	-0.96	-0.02	-1.53	9.21
		-12.20	-1.53	3.13e-03	0.0	160.0	17.63	-16.27	-0.96	-0.02	-1.13	-12.20
187	144	14.24	1.48	-8.31e-04	-5.77	0.0	-8.58	19.39	1.00	0.02	1.48	-12.16
		-12.16	0.96	-2.99e-03	0.0	160.0	-8.58	13.61	1.00	0.02	0.96	14.24
187	145	10.65	-0.92	9.41e-04	-5.77	0.0	17.54	-12.44	-0.97	-0.02	-1.47	10.65
		-13.87	-1.47	3.05e-03	0.0	160.0	17.54	-18.21	-0.97	-0.02	-0.92	-13.87
188	2	1.06	0.07	2.68e-04	-8.47	0.0	6.71	5.31	-0.20	1.94e-03	0.07	-1.60
		-1.60	-0.25	1.72e-04	0.0	160.0	6.71	-3.16	-0.20	1.94e-03	-0.25	0.11
188	5	1.39	0.05	2.27e-04	-8.47	0.0	3.32	4.60	-0.11	1.23e-03	0.05	-0.61
		-0.61	-0.13	5.03e-05	0.0	160.0	3.32	-3.87	-0.11	1.23e-03	-0.13	-0.02
188	6	1.19	0.07	3.09e-04	-8.47	0.0	4.87	5.12	-0.19	1.92e-03	0.07	-1.29
		-1.29	-0.23	1.37e-04	0.0	160.0	4.87	-3.34	-0.19	1.92e-03	-0.23	0.13
188	7	0.83	0.05	2.15e-04	-4.81	0.0	1.37	2.71	-0.10	1.00e-03	0.05	-0.40
		-0.40	-0.12	3.79e-05	0.0	160.0	1.37	-2.10	-0.10	1.00e-03	-0.12	0.09
188	10	0.71	0.05	1.80e-04	-5.77	0.0	4.89	3.63	-0.13	1.30e-03	0.05	-1.11
		-1.11	-0.17	1.18e-04	0.0	160.0	4.89	-2.14	-0.13	1.30e-03	-0.17	0.08
188	11	0.93	0.04	1.53e-04	-5.77	0.0	2.63	3.16	-0.08	8.30e-04	0.04	-0.45
		-0.45	-0.09	3.74e-05	0.0	160.0	2.63	-2.62	-0.08	8.30e-04	-0.09	-0.01
188	12	0.80	0.05	2.08e-04	-5.77	0.0	3.67	3.51	-0.13	1.29e-03	0.05	-0.90

		-0.90	-0.16	9.50e-05	0.0	160.0	3.67	-2.27	-0.13	1.29e-03	-0.16	0.09
188	14	0.74	0.03	6.39e-05	-5.77	0.0	5.32	3.34	-0.07	6.99e-04	0.03	-0.81
		-0.81	-0.09	7.55e-05	0.0	160.0	5.32	-2.43	-0.07	6.99e-04	-0.09	-0.08
188	15	0.85	0.02	5.05e-05	-5.77	0.0	4.19	3.11	-0.04	4.62e-04	0.02	-0.48
		-0.48	-0.05	3.50e-05	0.0	160.0	4.19	-2.67	-0.04	4.62e-04	-0.05	-0.13
188	17	0.83	0.02	2.48e-05	-5.77	0.0	4.58	3.09	-0.03	3.70e-04	0.02	-0.49
		-0.49	-0.04	3.44e-05	0.0	160.0	4.58	-2.68	-0.03	3.70e-04	-0.04	-0.16
188	18	0.78	0.02	4.83e-05	-5.77	0.0	5.02	3.24	-0.06	5.67e-04	0.02	-0.68
		-0.68	-0.07	5.91e-05	0.0	160.0	5.02	-2.53	-0.06	5.67e-04	-0.07	-0.11
188	27	0.95	1.45	-6.65e-04	-5.77	0.0	-10.12	2.81	1.42	6.07e-03	-2.38	0.22
		-0.72	-2.38	-3.20e-03	0.0	160.0	-10.12	-2.97	1.42	6.07e-03	1.45	-0.72
188	30	0.84	2.42	7.62e-04	-5.77	0.0	20.16	3.67	-1.53	-4.93e-03	2.42	-1.58
		-1.58	-1.58	3.32e-03	0.0	160.0	20.16	-2.10	-1.53	-4.93e-03	-1.58	0.49
188	36	2.28	3.19	2.06e-03	-5.77	0.0	11.13	1.86	2.47	8.51e-03	1.03	1.81
		0.15	1.03	-5.45e-03	0.0	160.0	11.13	-3.92	2.47	8.51e-03	3.19	0.15
188	37	-0.20	-0.99	-1.96e-03	-5.77	0.0	-1.08	4.63	-2.58	-7.37e-03	-0.99	-3.17
		-3.17	-3.33	5.57e-03	0.0	160.0	-1.08	-1.15	-2.58	-7.37e-03	-3.33	-0.38
188	48	2.53	2.88	2.29e-03	-5.77	0.0	10.55	1.83	2.34	8.97e-03	0.82	2.08
		0.33	0.82	-4.70e-03	0.0	160.0	10.55	-3.94	2.34	8.97e-03	2.88	0.33
188	49	-0.40	-0.77	-2.19e-03	-5.77	0.0	-0.50	4.65	-2.46	-7.83e-03	-0.77	-3.45
		-3.45	-3.01	4.82e-03	0.0	160.0	-0.50	-1.12	-2.46	-7.83e-03	-3.01	-0.56
188	59	0.89	1.09	-4.62e-04	-5.77	0.0	-6.09	2.92	1.04	4.71e-03	-1.72	-0.01
		-0.56	-1.72	-2.31e-03	0.0	160.0	-6.09	-2.86	1.04	4.71e-03	1.09	-0.56
188	62	0.80	1.76	5.59e-04	-5.77	0.0	16.14	3.57	-1.15	-3.58e-03	1.76	-1.35
		-1.35	-1.22	2.42e-03	0.0	160.0	16.14	-2.21	-1.15	-3.58e-03	-1.22	0.33
188	68	1.86	2.41	1.56e-03	-5.77	0.0	9.62	2.19	1.84	6.70e-03	0.76	1.20
		0.09	0.76	-3.90e-03	0.0	160.0	9.62	-3.58	1.84	6.70e-03	2.41	0.09
188	69	-0.01	-0.71	-1.47e-03	-5.77	0.0	0.42	4.29	-1.95	-5.56e-03	-0.71	-2.56
		-2.56	-2.55	4.02e-03	0.0	160.0	0.42	-1.48	-1.95	-5.56e-03	-2.55	-0.32
188	77	-0.15	-0.58	-1.64e-03	-5.77	0.0	0.70	4.32	-1.90	-6.05e-03	-0.58	-2.76
		-2.76	-2.36	3.93e-03	0.0	160.0	0.70	-1.45	-1.90	-6.05e-03	-2.36	-0.44
188	80	2.04	2.19	1.73e-03	-5.77	0.0	9.10	2.17	1.74	7.07e-03	0.60	1.40
		0.22	0.60	-3.37e-03	0.0	160.0	9.10	-3.60	1.74	7.07e-03	2.19	0.22
188	91	0.87	0.96	-4.02e-04	-5.77	0.0	-4.81	2.95	0.92	4.25e-03	-1.52	-0.09
		-0.51	-1.52	-2.03e-03	0.0	160.0	-4.81	-2.82	0.92	4.25e-03	0.96	-0.51
188	94	0.79	1.56	4.99e-04	-5.77	0.0	14.86	3.53	-1.03	-3.12e-03	1.56	-1.27
		-1.27	-1.09	2.15e-03	0.0	160.0	14.86	-2.24	-1.03	-3.12e-03	-1.09	0.28
188	100	1.72	2.13	1.39e-03	-5.77	0.0	9.11	2.31	1.63	6.02e-03	0.67	0.98
		0.07	0.67	-3.43e-03	0.0	160.0	9.11	-3.47	1.63	6.02e-03	2.13	0.07
188	101	0.06	-0.63	-1.30e-03	-5.77	0.0	0.94	4.17	-1.74	-4.89e-03	-0.63	-2.35
		-2.35	-2.27	3.55e-03	0.0	160.0	0.94	-1.60	-1.74	-4.89e-03	-2.27	-0.30
188	109	-0.07	-0.51	-1.45e-03	-5.77	0.0	1.19	4.20	-1.70	-5.32e-03	-0.51	-2.53
		-2.53	-2.10	3.47e-03	0.0	160.0	1.19	-1.57	-1.70	-5.32e-03	-2.10	-0.40
188	112	1.88	1.94	1.54e-03	-5.77	0.0	8.64	2.29	1.54	6.35e-03	0.53	1.17
		0.19	0.53	-2.97e-03	0.0	160.0	8.64	-3.48	1.54	6.35e-03	1.94	0.19
188	123	1.02	1.71	-8.16e-04	-5.77	0.0	-13.27	2.72	1.71	7.12e-03	-2.88	0.41
		-0.84	-2.88	-3.89e-03	0.0	160.0	-13.27	-3.06	1.71	7.12e-03	1.71	-0.84
188	126	0.89	2.92	9.12e-04	-5.77	0.0	23.32	3.76	-1.82	-5.98e-03	2.92	-1.77
		-1.77	-1.84	4.01e-03	0.0	160.0	23.32	-2.01	-1.82	-5.98e-03	-1.84	0.62
188	132	2.66	3.84	2.48e-03	-5.77	0.0	12.40	1.57	2.97	9.90e-03	1.24	2.33
		0.21	1.24	-6.60e-03	0.0	160.0	12.40	-4.21	2.97	9.90e-03	3.84	0.21
188	133	-0.34	-1.20	-2.38e-03	-5.77	0.0	-2.35	4.91	-3.08	-8.76e-03	-1.20	-3.69
		-3.69	-3.98	6.71e-03	0.0	160.0	-2.35	-0.86	-3.08	-8.76e-03	-3.98	-0.43
188	144	2.97	3.45	2.75e-03	-5.77	0.0	11.68	1.54	2.83	0.01	0.98	2.66
		0.43	0.98	-5.70e-03	0.0	160.0	11.68	-4.24	2.83	0.01	3.45	0.43
188	145	-0.57	-0.94	-2.66e-03	-5.77	0.0	-1.64	4.95	-2.94	-9.27e-03	-0.94	-4.02
		-4.02	-3.59	5.81e-03	0.0	160.0	-1.64	-0.83	-2.94	-9.27e-03	-3.59	-0.65
189	1	-0.01	1.98	-1.22e-04	0.0	0.0	-0.38	0.02	-2.87	9.57e-05	-0.21	-0.04
		-0.04	-0.98	-2.21e-04	8.47	160.0	-0.38	0.02	5.60	9.57e-05	1.98	-0.01
189	2	-0.10	2.17	-1.03e-04	0.0	0.0	-1.18	4.75e-03	-2.60	9.90e-04	-0.45	-0.10
		-0.10	-1.09	-2.70e-04	8.47	160.0	-1.18	4.75e-03	5.87	9.90e-04	2.17	-0.10
189	6	-0.09	2.15	-1.90e-04	0.0	0.0	-1.45	0.02	-2.61	7.83e-04	-0.46	-0.12
		-0.12	-1.10	-2.58e-04	8.47	160.0	-1.45	0.02	5.86	7.83e-04	2.15	-0.09
189	8	-0.09	1.42	-1.82e-04	0.0	0.0	-1.50	0.01	-1.22	7.36e-04	-0.47	-0.11
		-0.11	-0.72	-2.04e-04	4.81	160.0	-1.50	0.01	3.59	7.36e-04	1.42	-0.09
189	9	-4.93e-03	1.40	-7.77e-05	0.0	0.0	-0.20	8.81e-03	-1.91	4.45e-05	-0.16	-0.02
		-0.02	-0.67	-1.68e-04	5.77	160.0	-0.20	8.81e-03	3.86	4.45e-05	1.40	-4.93e-03
189	10	-0.06	1.52	-6.47e-05	0.0	0.0	-0.73	-3.39e-04	-1.73	6.40e-04	-0.33	-0.06
		-0.06	-0.74	-2.01e-04	5.77	160.0	-0.73	-3.39e-04	4.04	6.40e-04	1.52	-0.06
189	12	-0.06	1.51	-1.23e-04	0.0	0.0	-0.91	0.01	-1.74	5.02e-04	-0.33	-0.07
		-0.07	-0.75	-1.93e-04	5.77	160.0	-0.91	0.01	4.03	5.02e-04	1.51	-0.06
189	13	0.02	1.37	3.88e-06	0.0	0.0	0.31	-3.11e-03	-1.98	-1.67e-05	-0.08	0.02
		0.01	-0.62	-1.66e-04	5.77	160.0	0.31	-3.11e-03	3.79	-1.67e-05	1.37	0.01
189	14	-2.50e-03	1.43	1.04e-05	0.0	0.0	0.04	-7.69e-03	-1.89	2.81e-04	-0.16	-2.50e-03
		-0.01	-0.66	-1.82e-04	5.77	160.0	0.04	-7.69e-03	3.88	2.81e-04	1.43	-0.01

189	16	-6.62e-03	1.41	-1.94e-05	0.0	0.0	-0.02	-1.88e-03	-1.91	1.83e-04	-0.16	-6.62e-03
		-9.63e-03	-0.66	-1.76e-04	5.77	160.0	-0.02	-1.88e-03	3.87	1.83e-04	1.41	-9.63e-03
189	17	0.02	1.37	3.88e-06	0.0	0.0	0.31	-3.11e-03	-1.98	-1.67e-05	-0.08	0.02
		0.01	-0.62	-1.66e-04	5.77	160.0	0.31	-3.11e-03	3.79	-1.67e-05	1.37	0.01
189	18	5.86e-03	1.40	7.78e-06	0.0	0.0	0.15	-5.86e-03	-1.93	1.62e-04	-0.13	5.86e-03
		-3.51e-03	-0.64	-1.75e-04	5.77	160.0	0.15	-5.86e-03	3.85	1.62e-04	1.40	-3.51e-03
189	19	-3.41	1.97	1.56e-03	0.0	0.0	-23.28	-4.43	-0.14	8.67e-03	-2.43	-8.35
		-8.35	-2.43	8.08e-05	5.77	160.0	-23.28	-4.43	5.63	8.67e-03	1.97	-3.41
189	22	8.36	2.17	-1.54e-03	0.0	0.0	23.58	4.41	-3.72	-8.34e-03	2.17	8.36
		3.40	0.26	-3.07e-04	5.77	160.0	23.58	4.41	2.06	-8.34e-03	0.84	3.40
189	24	-4.34	2.47	3.98e-03	0.0	0.0	-23.28	-9.55	1.24	3.62e-03	-4.15	-4.34
		-7.74	-4.15	1.22e-04	5.77	160.0	-23.28	-9.55	7.02	3.62e-03	2.47	-7.74
189	25	7.74	3.89	-3.96e-03	0.0	0.0	23.58	9.54	-5.10	-3.29e-03	3.89	4.36
		4.36	0.27	-2.85e-04	5.77	160.0	23.58	9.54	0.67	-3.29e-03	0.34	7.74
189	44	4.46	2.55	4.44e-03	0.0	0.0	-18.77	-10.63	1.26	-6.59e-03	-4.10	4.46
		-9.18	-4.10	-1.76e-04	5.77	160.0	-18.77	-10.63	7.04	-6.59e-03	2.55	-9.18
189	45	9.17	3.84	-4.42e-03	0.0	0.0	19.07	10.62	-5.12	6.91e-03	3.84	-4.45
		-4.45	0.20	-1.79e-04	5.77	160.0	19.07	10.62	0.65	6.91e-03	0.25	9.17
189	56	-3.20	2.21	3.03e-03	0.0	0.0	-17.09	-7.17	0.44	2.77e-03	-3.13	-3.20
		-5.86	-3.13	-9.51e-05	5.77	160.0	-17.09	-7.17	6.22	2.77e-03	2.21	-5.86
189	57	5.85	2.87	-3.01e-03	0.0	0.0	17.39	7.16	-4.30	-2.45e-03	2.87	3.21
		3.21	0.30	-2.56e-04	5.77	160.0	17.39	7.16	1.47	-2.45e-03	0.60	5.85
189	76	3.36	2.27	3.38e-03	0.0	0.0	-13.92	-8.01	0.48	-4.94e-03	-3.12	3.36
		-6.95	-3.12	-1.75e-04	5.77	160.0	-13.92	-8.01	6.25	-4.94e-03	2.27	-6.95
189	77	6.94	2.86	-3.37e-03	0.0	0.0	14.22	8.00	-4.34	5.27e-03	2.86	-3.35
		-3.35	0.25	-1.76e-04	5.77	160.0	14.22	8.00	1.44	5.27e-03	0.53	6.94
189	88	-2.83	2.12	2.69e-03	0.0	0.0	-15.11	-6.36	0.17	2.47e-03	-2.79	-2.83
		-5.21	-2.79	-1.04e-04	5.77	160.0	-15.11	-6.36	5.95	2.47e-03	2.12	-5.21
189	89	5.20	2.53	-2.67e-03	0.0	0.0	15.41	6.35	-4.03	-2.15e-03	2.53	2.84
		2.84	0.27	-2.46e-04	5.77	160.0	15.41	6.35	1.74	-2.15e-03	0.69	5.20
189	108	2.98	2.18	3.01e-03	0.0	0.0	-12.32	-7.11	0.21	-4.37e-03	-2.79	2.98
		-6.17	-2.79	-1.75e-04	5.77	160.0	-12.32	-7.11	5.98	-4.37e-03	2.18	-6.17
189	109	6.16	2.52	-2.99e-03	0.0	0.0	12.62	7.09	-4.07	4.69e-03	2.52	-2.97
		-2.97	0.23	-1.76e-04	5.77	160.0	12.62	7.09	1.71	4.69e-03	0.63	6.16
189	115	-4.06	2.08	1.86e-03	0.0	0.0	-28.02	-5.27	0.22	0.01	-2.90	-10.01
		-10.01	-2.90	1.05e-04	5.77	160.0	-28.02	-5.27	5.99	0.01	2.08	-4.06
189	118	10.02	2.64	-1.84e-03	0.0	0.0	28.32	5.26	-4.08	-9.87e-03	2.64	10.02
		4.05	0.33	-3.34e-04	5.77	160.0	28.32	5.26	1.70	-9.87e-03	0.73	4.05
189	120	-5.18	2.69	4.78e-03	0.0	0.0	-28.01	-11.44	1.89	4.22e-03	-4.97	-5.18
		-9.28	-4.97	1.55e-04	5.77	160.0	-28.01	-11.44	7.66	4.22e-03	2.69	-9.28
189	121	9.28	4.71	-4.76e-03	0.0	0.0	28.31	11.43	-5.75	-3.89e-03	4.71	5.20
		5.20	0.12	-3.07e-04	5.77	160.0	28.31	11.43	0.03	-3.89e-03	0.12	9.28
189	140	5.38	2.79	5.35e-03	0.0	0.0	-22.58	-12.79	1.92	-7.88e-03	-4.91	5.38
		-11.06	-4.91	-1.76e-04	5.77	160.0	-22.58	-12.79	7.69	-7.88e-03	2.79	-11.06
189	141	11.05	4.65	-5.33e-03	0.0	0.0	22.89	12.78	-5.77	8.20e-03	4.65	-5.37
		-5.37	0.02	-1.95e-04	5.77	160.0	22.89	12.78	1.22e-04	8.20e-03	0.02	11.05
190	1	0.02	1.98	-1.25e-04	0.0	0.0	-0.29	0.02	-4.86	9.57e-05	1.98	-0.01
		-0.01	-0.25	-2.66e-05	8.47	160.0	-0.29	0.02	3.61	9.57e-05	0.98	0.02
190	2	-0.06	2.17	-1.22e-04	0.0	0.0	-1.05	0.02	-5.05	9.90e-04	2.17	-0.10
		-0.10	-0.23	-3.45e-05	8.47	160.0	-1.05	0.02	3.42	9.90e-04	0.87	-0.06
190	4	-0.08	1.44	-1.14e-04	0.0	0.0	-1.11	0.01	-3.05	9.43e-04	1.44	-0.10
		-0.10	-0.11	-2.72e-05	4.81	160.0	-1.11	0.01	1.76	9.43e-04	0.41	-0.08
190	5	0.02	2.01	-2.10e-04	0.0	0.0	-0.78	0.03	-4.90	1.57e-04	2.01	-0.03
		-0.03	-0.26	-2.84e-05	8.47	160.0	-0.78	0.03	3.56	1.57e-04	0.94	0.02
190	8	-0.06	1.42	-2.00e-04	0.0	0.0	-1.38	0.02	-3.04	7.36e-04	1.42	-0.09
		-0.09	-0.12	-2.68e-05	4.81	160.0	-1.38	0.02	1.77	7.36e-04	0.40	-0.06
190	9	0.01	1.40	-7.86e-05	0.0	0.0	-0.13	0.01	-3.34	4.45e-05	1.40	-4.93e-03
		-4.93e-03	-0.15	-1.94e-05	5.77	160.0	-0.13	0.01	2.43	4.45e-05	0.67	0.01
190	10	-0.04	1.52	-7.72e-05	0.0	0.0	-0.64	0.01	-3.47	6.40e-04	1.52	-0.06
		-0.06	-0.14	-2.47e-05	5.77	160.0	-0.64	0.01	2.30	6.40e-04	0.59	-0.04
190	11	0.01	1.42	-1.36e-04	0.0	0.0	-0.46	0.02	-3.37	8.53e-05	1.42	-0.02
		-0.02	-0.16	-2.06e-05	5.77	160.0	-0.46	0.02	2.40	8.53e-05	0.64	0.01
190	12	-0.03	1.51	-1.35e-04	0.0	0.0	-0.81	0.02	-3.46	5.02e-04	1.51	-0.06
		-0.06	-0.15	-2.43e-05	5.77	160.0	-0.81	0.02	2.31	5.02e-04	0.59	-0.03
190	13	0.02	1.37	7.14e-06	0.0	0.0	0.36	3.67e-03	-3.30	-1.67e-05	1.37	0.01
		0.01	-0.14	-1.78e-05	5.77	160.0	0.36	3.67e-03	2.48	-1.67e-05	0.71	0.02
190	14	-9.54e-03	1.43	7.84e-06	0.0	0.0	0.11	3.29e-03	-3.36	2.81e-04	1.43	-0.01
		-0.01	-0.13	-2.03e-05	5.77	160.0	0.11	3.29e-03	2.41	2.81e-04	0.67	-9.54e-03
190	15	0.02	1.38	-2.14e-05	0.0	0.0	0.19	6.60e-03	-3.31	3.73e-06	1.38	7.31e-03
		7.31e-03	-0.14	-1.83e-05	5.77	160.0	0.19	6.60e-03	2.46	3.73e-06	0.70	0.02
190	16	5.54e-04	1.41	-2.10e-05	0.0	0.0	0.04	6.37e-03	-3.35	1.83e-04	1.41	-9.63e-03
		-9.63e-03	-0.14	-1.98e-05	5.77	160.0	0.04	6.37e-03	2.42	1.83e-04	0.67	5.54e-04
190	17	0.02	1.37	7.14e-06	0.0	0.0	0.36	3.67e-03	-3.30	-1.67e-05	1.37	0.01
		0.01	-0.14	-1.78e-05	5.77	160.0	0.36	3.67e-03	2.48	-1.67e-05	0.71	0.02
190	18	1.99e-03	1.40	7.56e-06	0.0	0.0	0.21	3.44e-03	-3.33	1.62e-04	1.40	-3.51e-03

		-3.51e-03	-0.14	-1.93e-05	5.77	160.0	0.21	3.44e-03	2.44	1.62e-04	0.69	1.99e-03
190	24	-7.74	2.47	2.83e-03	0.0	0.0	-25.86	-5.71	-5.33	3.62e-03	2.47	-7.74
		-16.72	-1.47	-1.21e-04	5.77	160.0	-25.86	-5.71	0.45	3.62e-03	-1.44	-16.72
190	25	16.73	2.82	-2.82e-03	0.0	0.0	26.28	5.72	-1.34	-3.29e-03	0.34	7.74
		7.74	0.09	8.56e-05	5.77	160.0	26.28	5.72	4.43	-3.29e-03	2.82	16.73
190	40	-8.55	2.40	3.99e-03	0.0	0.0	9.60	-6.84	-5.13	-5.59e-03	2.40	-8.55
		-19.37	-1.25	-1.11e-04	5.77	160.0	9.60	-6.84	0.65	-5.59e-03	-1.19	-19.37
190	41	19.37	2.57	-3.97e-03	0.0	0.0	-9.18	6.85	-1.54	5.92e-03	0.41	8.54
		8.54	0.08	7.53e-05	5.77	160.0	-9.18	6.85	4.23	5.92e-03	2.57	19.37
190	56	-5.86	2.21	2.16e-03	0.0	0.0	-18.98	-4.30	-4.83	2.77e-03	2.21	-5.86
		-12.62	-1.03	-9.53e-05	5.77	160.0	-18.98	-4.30	0.95	2.77e-03	-0.91	-12.62
190	57	12.62	2.28	-2.14e-03	0.0	0.0	19.40	4.30	-1.84	-2.45e-03	0.60	5.85
		5.85	0.13	5.95e-05	5.77	160.0	19.40	4.30	3.93	-2.45e-03	2.28	12.62
190	72	-6.47	2.16	3.04e-03	0.0	0.0	7.09	-5.16	-4.68	-4.32e-03	2.16	-6.47
		-14.63	-0.89	-8.81e-05	5.77	160.0	7.09	-5.16	1.09	-4.32e-03	-0.73	-14.63
190	73	14.64	2.10	-3.02e-03	0.0	0.0	-6.67	5.17	-1.99	4.65e-03	0.65	6.47
		6.47	0.11	5.23e-05	5.77	160.0	-6.67	5.17	3.79	4.65e-03	2.10	14.64
190	88	-5.21	2.12	1.92e-03	0.0	0.0	-16.78	-3.81	-4.66	2.47e-03	2.12	-5.21
		-11.20	-0.90	-8.65e-05	5.77	160.0	-16.78	-3.81	1.12	2.47e-03	-0.72	-11.20
190	89	11.21	2.10	-1.90e-03	0.0	0.0	17.19	3.82	-2.01	-2.15e-03	0.69	5.20
		5.20	0.14	5.07e-05	5.77	160.0	17.19	3.82	3.76	-2.15e-03	2.10	11.21
190	104	-5.75	2.07	2.70e-03	0.0	0.0	6.29	-4.58	-4.53	-3.82e-03	2.07	-5.75
		-12.99	-0.78	-8.02e-05	5.77	160.0	6.29	-4.58	1.24	-3.82e-03	-0.57	-12.99
190	105	13.00	1.94	-2.68e-03	0.0	0.0	-5.88	4.59	-2.14	4.15e-03	0.73	5.74
		5.74	0.10	4.44e-05	5.77	160.0	-5.88	4.59	3.64	4.15e-03	1.94	13.00
190	108	-6.17	2.18	2.04e-03	0.0	0.0	-13.52	-4.14	-4.69	-4.37e-03	2.18	-6.17
		-12.73	-0.88	-8.81e-05	5.77	160.0	-13.52	-4.14	1.08	-4.37e-03	-0.72	-12.73
190	120	-9.28	2.69	3.39e-03	0.0	0.0	-31.12	-6.84	-5.73	4.22e-03	2.69	-9.28
		-20.03	-1.88	-1.42e-04	5.77	160.0	-31.12	-6.84	0.04	4.22e-03	-1.88	-20.03
190	121	20.03	3.25	-3.37e-03	0.0	0.0	31.53	6.84	-0.94	-3.89e-03	0.12	9.28
		9.28	1.37e-03	1.07e-04	5.77	160.0	31.53	6.84	4.84	-3.89e-03	3.25	20.03
190	136	-10.28	2.60	4.79e-03	0.0	0.0	11.56	-8.21	-5.49	-6.54e-03	2.60	-10.28
		-23.28	-1.58	-1.30e-04	5.77	160.0	11.56	-8.21	0.29	-6.54e-03	-1.57	-23.28
190	137	23.28	2.95	-4.77e-03	0.0	0.0	-11.14	8.22	-1.18	6.86e-03	0.20	10.28
		10.28	0.01	9.42e-05	5.77	160.0	-11.14	8.22	4.59	6.86e-03	2.95	23.28
191	1	0.04	1.34	-1.20e-04	0.0	0.0	-0.24	7.87e-03	-4.01	9.57e-05	0.98	0.02
		0.02	-0.53	3.00e-05	8.47	160.0	-0.24	7.87e-03	4.46	9.57e-05	1.34	0.04
191	4	-0.08	1.21	-1.32e-04	0.0	0.0	-1.04	-0.01	-1.90	9.43e-04	0.41	-0.08
		-0.10	-0.19	1.77e-05	4.81	160.0	-1.04	-0.01	2.91	9.43e-04	1.21	-0.10
191	6	-0.04	1.75	-2.19e-04	0.0	0.0	-1.22	1.83e-03	-3.68	7.83e-04	0.86	-0.04
		-0.04	-0.42	2.20e-05	8.47	160.0	-1.22	1.83e-03	4.79	7.83e-04	1.75	-0.04
191	8	-0.06	1.26	-2.14e-04	0.0	0.0	-1.30	-6.98e-03	-1.87	7.36e-04	0.40	-0.06
		-0.07	-0.18	1.69e-05	4.81	160.0	-1.30	-6.98e-03	2.94	7.36e-04	1.26	-0.07
191	9	0.02	0.90	-7.59e-05	0.0	0.0	-0.10	2.24e-03	-2.74	4.45e-05	0.67	0.01
		0.01	-0.37	2.21e-05	5.77	160.0	-0.10	2.24e-03	3.03	4.45e-05	0.90	0.02
191	10	-0.04	1.15	-8.73e-05	0.0	0.0	-0.58	-5.94e-03	-2.54	6.40e-04	0.59	-0.04
		-0.05	-0.30	1.78e-05	5.77	160.0	-0.58	-5.94e-03	3.23	6.40e-04	1.15	-0.05
191	12	-0.03	1.18	-1.42e-04	0.0	0.0	-0.75	-1.79e-03	-2.52	5.02e-04	0.59	-0.03
		-0.03	-0.29	1.73e-05	5.77	160.0	-0.75	-1.79e-03	3.26	5.02e-04	1.18	-0.03
191	13	0.02	0.75	1.10e-05	0.0	0.0	0.38	-3.03e-04	-2.86	-1.67e-05	0.71	0.02
		0.02	-0.42	2.70e-05	5.77	160.0	0.38	-3.03e-04	2.91	-1.67e-05	0.75	0.02
191	14	-9.54e-03	0.87	5.36e-06	0.0	0.0	0.14	-4.39e-03	-2.76	2.81e-04	0.67	-9.54e-03
		-0.02	-0.38	2.37e-05	5.77	160.0	0.14	-4.39e-03	3.01	2.81e-04	0.87	-0.02
191	16	5.54e-04	0.87	-2.14e-05	0.0	0.0	0.08	-1.91e-03	-2.76	1.83e-04	0.67	5.54e-04
		-2.50e-03	-0.38	2.34e-05	5.77	160.0	0.08	-1.91e-03	3.01	1.83e-04	0.87	-2.50e-03
191	17	0.02	0.75	1.10e-05	0.0	0.0	0.38	-3.03e-04	-2.86	-1.67e-05	0.71	0.02
		0.02	-0.42	2.70e-05	5.77	160.0	0.38	-3.03e-04	2.91	-1.67e-05	0.75	0.02
191	18	1.99e-03	0.82	7.63e-06	0.0	0.0	0.24	-2.76e-03	-2.80	1.62e-04	0.69	1.99e-03
		-2.41e-03	-0.40	2.50e-05	5.77	160.0	0.24	-2.76e-03	2.97	1.62e-04	0.82	-2.41e-03
191	24	-16.72	8.53	3.23e-04	0.0	0.0	-28.48	-0.86	3.35	3.62e-03	-1.44	-16.72
		-17.75	-1.44	-2.56e-04	5.77	160.0	-28.48	-0.86	9.12	3.62e-03	8.53	-17.75
191	25	17.75	2.82	-3.16e-04	0.0	0.0	28.95	0.86	-8.96	-3.29e-03	2.82	16.73
		16.73	-6.89	3.05e-04	5.77	160.0	28.95	0.86	-3.18	-3.29e-03	-6.89	17.75
191	40	-19.37	7.76	7.21e-04	0.0	0.0	10.47	-1.49	2.71	-5.59e-03	-1.19	-19.37
		-21.52	-1.19	-2.17e-04	5.77	160.0	10.47	-1.49	8.48	-5.59e-03	7.76	-21.52
191	41	21.52	2.57	-7.12e-04	0.0	0.0	-9.99	1.48	-8.31	5.92e-03	2.57	19.37
		19.37	-6.11	2.66e-04	5.77	160.0	-9.99	1.48	-2.54	5.92e-03	-6.11	21.52
191	44	-18.97	8.54	-5.82e-04	0.0	0.0	-22.53	-0.86	3.34	-6.59e-03	-1.42	-18.97
		-19.95	-1.42	-2.45e-04	5.77	160.0	-22.53	-0.86	9.11	-6.59e-03	8.54	-19.95
191	45	19.95	2.80	5.97e-04	0.0	0.0	23.00	0.86	-8.94	6.91e-03	2.80	18.97
		18.97	-6.89	2.95e-04	5.77	160.0	23.00	0.86	-3.17	6.91e-03	-6.89	19.95
191	56	-12.62	6.59	2.52e-04	0.0	0.0	-20.91	-0.67	1.80	2.77e-03	-0.91	-12.62
		-13.41	-0.91	-1.85e-04	5.77	160.0	-20.91	-0.67	7.57	2.77e-03	6.59	-13.41
191	57	13.40	2.28	-2.45e-04	0.0	0.0	21.38	0.66	-7.40	-2.45e-03	2.28	12.62
		12.62	-4.95	2.34e-04	5.77	160.0	21.38	0.66	-1.63	-2.45e-03	-4.95	13.40

191	72	-14.63	6.04	5.57e-04	0.0	0.0	7.74	-1.14	1.34	-4.32e-03	-0.73	-14.63
		-16.27	-0.73	-1.57e-04	5.77	160.0	7.74	-1.14	7.12	-4.32e-03	6.04	-16.27
191	73	16.27	2.10	-5.48e-04	0.0	0.0	-7.26	1.13	-6.95	4.65e-03	2.10	14.64
		14.64	-4.40	2.06e-04	5.77	160.0	-7.26	1.13	-1.17	4.65e-03	-4.40	16.27
191	76	-14.34	6.64	-4.16e-04	0.0	0.0	-16.70	-0.68	1.83	-4.94e-03	-0.90	-14.34
		-15.09	-0.90	-1.79e-04	5.77	160.0	-16.70	-0.68	7.60	-4.94e-03	6.64	-15.09
191	77	15.09	2.28	4.32e-04	0.0	0.0	17.17	0.67	-7.43	5.27e-03	2.28	14.34
		14.34	-5.00	2.28e-04	5.77	160.0	17.17	0.67	-1.66	5.27e-03	-5.00	15.09
191	88	-11.20	5.94	2.25e-04	0.0	0.0	-18.48	-0.60	1.28	2.47e-03	-0.72	-11.20
		-11.90	-0.72	-1.62e-04	5.77	160.0	-18.48	-0.60	7.05	2.47e-03	5.94	-11.90
191	89	11.90	2.10	-2.18e-04	0.0	0.0	18.95	0.59	-6.88	-2.15e-03	2.10	11.21
		11.21	-4.29	2.10e-04	5.77	160.0	18.95	0.59	-1.11	-2.15e-03	-4.29	11.90
191	104	-12.99	5.45	4.96e-04	0.0	0.0	6.87	-1.01	0.88	-3.82e-03	-0.57	-12.99
		-14.45	-0.57	-1.36e-04	5.77	160.0	6.87	-1.01	6.65	-3.82e-03	5.45	-14.45
191	105	14.45	1.94	-4.88e-04	0.0	0.0	-6.40	1.01	-6.48	4.15e-03	1.94	13.00
		13.00	-3.81	1.86e-04	5.77	160.0	-6.40	1.01	-0.71	4.15e-03	-3.81	14.45
191	108	-12.73	5.99	-3.66e-04	0.0	0.0	-14.77	-0.61	1.31	-4.37e-03	-0.72	-12.73
		-13.40	-0.72	-1.56e-04	5.77	160.0	-14.77	-0.61	7.08	-4.37e-03	5.99	-13.40
191	109	13.40	2.10	3.82e-04	0.0	0.0	15.25	0.60	-6.91	4.69e-03	2.10	12.73
		12.73	-4.34	2.05e-04	5.77	160.0	15.25	0.60	-1.14	4.69e-03	-4.34	13.40
191	120	-20.03	10.10	3.81e-04	0.0	0.0	-34.25	-1.03	4.59	4.22e-03	-1.88	-20.03
		-21.27	-1.88	-3.13e-04	5.77	160.0	-34.25	-1.03	10.37	4.22e-03	10.10	-21.27
191	121	21.27	3.25	3.87e-04	0.0	0.0	34.72	1.02	-10.20	-3.89e-03	3.25	20.03
		20.03	-8.45	3.62e-04	5.77	160.0	34.72	1.02	-4.43	-3.89e-03	-8.45	21.27
191	136	-23.28	9.16	8.60e-04	0.0	0.0	12.60	-1.78	3.82	-6.54e-03	-1.57	-23.28
		-25.87	-1.57	-2.66e-04	5.77	160.0	12.60	-1.78	9.59	-6.54e-03	9.16	-25.87
191	137	25.86	2.95	-8.52e-04	0.0	0.0	-12.13	1.77	-9.43	6.86e-03	2.95	23.28
		23.28	-7.51	3.15e-04	5.77	160.0	-12.13	1.77	-3.65	6.86e-03	-7.51	25.86
191	140	-22.82	10.11	-7.17e-04	0.0	0.0	-27.09	-1.02	4.59	-7.88e-03	-1.85	-22.82
		-24.00	-1.85	-3.00e-04	5.77	160.0	-27.09	-1.02	10.36	-7.88e-03	10.11	-24.00
191	141	23.99	3.23	7.33e-04	0.0	0.0	27.56	1.02	-10.20	8.20e-03	3.23	22.82
		22.82	-8.47	3.50e-04	5.77	160.0	27.56	1.02	-4.42	8.20e-03	-8.47	23.99
192	1	0.05	2.11	-1.12e-04	0.0	0.0	-0.97	6.19e-03	-2.98	2.06e-04	0.12	0.04
		0.04	-0.72	-5.62e-05	8.47	160.0	-0.97	6.19e-03	5.48	2.06e-04	2.11	0.05
192	3	5.01e-03	1.40	-1.15e-04	0.0	0.0	-0.94	-7.63e-03	-1.42	1.42e-04	-0.18	5.01e-03
		-7.20e-03	-0.51	-4.21e-05	4.81	160.0	-0.94	-7.63e-03	3.39	1.42e-04	1.40	-7.20e-03
192	4	-0.10	1.80	-1.57e-04	0.0	0.0	-2.38	-0.06	-0.79	6.66e-04	-0.79	-0.10
		-0.19	-0.89	-6.32e-05	4.81	160.0	-2.38	-0.06	4.02	6.66e-04	1.80	-0.19
192	6	-0.04	2.59	-2.29e-04	0.0	0.0	-2.78	-0.03	-2.24	5.55e-04	-0.61	-0.04
		-0.09	-1.08	-8.40e-05	8.47	160.0	-2.78	-0.03	6.23	5.55e-04	2.59	-0.09
192	9	0.02	1.47	-7.21e-05	0.0	0.0	-0.59	1.04e-03	-2.01	1.57e-04	0.06	0.02
		0.02	-0.49	-3.89e-05	5.77	160.0	-0.59	1.04e-03	3.77	1.57e-04	1.47	0.02
192	10	-0.05	1.73	-1.00e-04	0.0	0.0	-1.55	-0.03	-1.59	5.06e-04	-0.35	-0.05
		-0.10	-0.69	-5.27e-05	5.77	160.0	-1.55	-0.03	4.19	5.06e-04	1.73	-0.10
192	12	-0.03	1.78	-1.50e-04	0.0	0.0	-1.79	-0.03	-1.51	3.89e-04	-0.42	-0.03
		-0.07	-0.73	-5.72e-05	5.77	160.0	-1.79	-0.03	4.26	3.89e-04	1.78	-0.07
192	13	0.03	1.28	1.55e-05	0.0	0.0	0.20	6.51e-03	-2.31	1.75e-04	0.35	0.02
		0.02	-0.38	-2.60e-05	5.77	160.0	0.20	6.51e-03	3.46	1.75e-04	1.28	0.03
192	14	-0.02	1.41	1.63e-06	0.0	0.0	-0.28	-9.50e-03	-2.10	3.50e-04	0.15	-0.02
		-0.03	-0.46	-3.29e-05	5.77	160.0	-0.28	-9.50e-03	3.67	3.50e-04	1.41	-0.03
192	16	-2.89e-03	1.42	-2.21e-05	0.0	0.0	-0.35	-4.92e-03	-2.08	2.74e-04	0.13	-2.89e-03
		-0.01	-0.47	-3.44e-05	5.77	160.0	-0.35	-4.92e-03	3.69	2.74e-04	1.42	-0.01
192	17	0.03	1.28	1.55e-05	0.0	0.0	0.20	6.51e-03	-2.31	1.75e-04	0.35	0.02
		0.02	-0.38	-2.60e-05	5.77	160.0	0.20	6.51e-03	3.46	1.75e-04	1.28	0.03
192	18	-2.64e-03	1.36	7.07e-06	0.0	0.0	-0.09	-3.09e-03	-2.18	2.80e-04	0.23	-2.64e-03
		-7.59e-03	-0.43	-3.01e-05	5.77	160.0	-0.09	-3.09e-03	3.59	2.80e-04	1.36	-7.59e-03
192	24	-10.47	14.10	-3.68e-03	0.0	0.0	-47.68	-2.84	16.95	-7.26e-03	-17.65	-17.76
		-17.76	-17.65	-1.15e-03	5.77	160.0	-47.68	-2.84	22.72	-7.26e-03	14.10	-10.47
192	25	17.76	18.12	3.69e-03	0.0	0.0	47.51	2.84	-21.32	7.82e-03	18.12	17.76
		10.45	-11.39	1.09e-03	5.77	160.0	47.51	2.84	-15.54	7.82e-03	-11.39	10.45
192	40	-13.54	11.84	-3.79e-03	0.0	0.0	17.39	3.12	13.49	0.02	-14.38	-21.53
		-21.53	-14.38	5.15e-04	5.77	160.0	17.39	3.12	19.26	0.02	11.84	-13.54
192	41	21.53	14.85	3.81e-03	0.0	0.0	-17.56	-3.12	-17.85	-0.02	14.85	21.53
		13.52	-9.13	-5.74e-04	5.77	160.0	-17.56	-3.12	-12.08	-0.02	-9.13	13.52
192	56	-7.93	10.83	-2.76e-03	0.0	0.0	-35.25	-2.11	12.03	-5.36e-03	-13.05	-13.42
		-13.42	-13.05	-8.53e-04	5.77	160.0	-35.25	-2.11	17.80	-5.36e-03	10.83	-7.93
192	57	13.41	13.52	2.77e-03	0.0	0.0	35.08	2.10	-16.40	5.91e-03	13.52	13.41
		7.92	-8.12	7.94e-04	5.77	160.0	35.08	2.10	-10.62	5.91e-03	-8.12	7.92
192	72	-10.26	9.22	-2.85e-03	0.0	0.0	12.81	2.35	9.56	0.01	-10.72	-16.28
		-16.28	-10.72	3.73e-04	5.77	160.0	12.81	2.35	15.33	0.01	9.22	-10.26
192	73	16.28	11.18	2.86e-03	0.0	0.0	-12.99	-2.36	-13.93	-0.01	11.18	16.28
		10.24	-6.51	-4.31e-04	5.77	160.0	-12.99	-2.36	-8.15	-0.01	-6.51	10.24
192	88	-7.05	9.75	-2.45e-03	0.0	0.0	-31.22	-1.87	10.41	-4.72e-03	-11.54	-11.91
		-11.91	-11.54	-7.59e-04	5.77	160.0	-31.22	-1.87	16.18	-4.72e-03	9.75	-7.05
192	89	11.91	12.00	2.46e-03	0.0	0.0	31.05	1.86	-14.78	5.28e-03	12.00	11.91

		7.03	-7.04	7.00e-04	5.77	160.0	31.05	1.86	-9.00	5.28e-03	-7.04	7.03
192	104	-9.12	8.34	-2.53e-03	0.0	0.0	11.34	2.09	8.23	0.01	-9.48	-14.46
		-14.46	-9.48	3.27e-04	5.77	160.0	11.34	2.09	14.01	0.01	8.34	-9.12
192	105	14.46	9.94	2.54e-03	0.0	0.0	-11.51	-2.09	-12.60	-0.01	9.94	14.46
		9.10	-5.63	-3.85e-04	5.77	160.0	-11.51	-2.09	-6.83	-0.01	-5.63	9.10
192	120	-12.60	16.69	-4.43e-03	0.0	0.0	-57.24	-3.37	20.82	-8.63e-03	-21.27	-21.29
		-21.29	-21.27	-1.37e-03	5.77	160.0	-57.24	-3.37	26.60	-8.63e-03	16.69	-12.60
192	121	21.28	21.73	4.44e-03	0.0	0.0	57.07	3.36	-25.19	9.19e-03	21.73	21.28
		12.58	-13.98	1.31e-03	5.77	160.0	57.07	3.36	-19.42	9.19e-03	-13.98	12.58
192	136	-16.31	13.97	-4.58e-03	0.0	0.0	21.04	3.75	16.64	0.02	-17.32	-25.88
		-25.88	-17.32	6.28e-04	5.77	160.0	21.04	3.75	22.42	0.02	13.97	-16.31
192	137	25.88	17.78	4.59e-03	0.0	0.0	-21.21	-3.75	-21.01	-0.02	17.78	25.88
		16.30	-11.26	-6.87e-04	5.77	160.0	-21.21	-3.75	-15.24	-0.02	-11.26	16.30
193	1	0.05	2.11	-1.04e-04	0.0	0.0	1.70	-0.01	-5.44	2.06e-04	2.11	0.05
		0.02	-0.67	1.46e-04	8.47	160.0	1.70	-0.01	3.03	2.06e-04	0.19	0.02
193	4	-0.19	1.80	-1.99e-04	0.0	0.0	0.42	-0.08	-3.46	6.66e-04	1.80	-0.19
		-0.32	-0.18	2.07e-04	4.81	160.0	0.42	-0.08	1.36	6.66e-04	0.12	-0.32
193	6	-0.09	2.59	-2.51e-04	0.0	0.0	0.92	-0.06	-5.72	5.55e-04	2.59	-0.09
		-0.19	-0.50	2.39e-04	8.47	160.0	0.92	-0.06	2.75	5.55e-04	0.22	-0.19
193	8	-0.15	1.87	-2.64e-04	0.0	0.0	0.26	-0.07	-3.50	4.91e-04	1.87	-0.15
		-0.26	-0.16	2.19e-04	4.81	160.0	0.26	-0.07	1.32	4.91e-04	0.12	-0.26
193	9	0.02	1.47	-6.87e-05	0.0	0.0	1.30	-0.01	-3.73	1.57e-04	1.47	0.02
		-2.64e-03	-0.46	1.07e-04	5.77	160.0	1.30	-0.01	2.05	1.57e-04	0.12	-2.64e-03
193	10	-0.10	1.73	-1.23e-04	0.0	0.0	0.88	-0.05	-3.89	5.06e-04	1.73	-0.10
		-0.18	-0.36	1.61e-04	5.77	160.0	0.88	-0.05	1.89	5.06e-04	0.14	-0.18
193	12	-0.07	1.78	-1.67e-04	0.0	0.0	0.78	-0.05	-3.91	3.89e-04	1.78	-0.07
		-0.15	-0.34	1.69e-04	5.77	160.0	0.78	-0.05	1.86	3.89e-04	0.14	-0.15
193	13	0.03	1.28	2.11e-05	0.0	0.0	1.65	-3.89e-03	-3.61	1.75e-04	1.28	0.03
		0.02	-0.53	7.22e-05	5.77	160.0	1.65	-3.89e-03	2.16	1.75e-04	0.11	0.02
193	14	-0.03	1.41	-6.09e-06	0.0	0.0	1.44	-0.02	-3.69	3.50e-04	1.41	-0.03
		-0.07	-0.48	9.82e-05	5.77	160.0	1.44	-0.02	2.08	3.50e-04	0.12	-0.07
193	16	-0.01	1.42	-2.52e-05	0.0	0.0	1.41	-0.02	-3.70	2.74e-04	1.42	-0.01
		-0.04	-0.47	9.95e-05	5.77	160.0	1.41	-0.02	2.08	2.74e-04	0.12	-0.04
193	17	0.03	1.28	2.11e-05	0.0	0.0	1.65	-3.89e-03	-3.61	1.75e-04	1.28	0.03
		0.02	-0.53	7.22e-05	5.77	160.0	1.65	-3.89e-03	2.16	1.75e-04	0.11	0.02
193	18	-7.59e-03	1.36	4.80e-06	0.0	0.0	1.52	-0.01	-3.66	2.80e-04	1.36	-7.59e-03
		-0.03	-0.50	8.74e-05	5.77	160.0	1.52	-0.01	2.11	2.80e-04	0.12	-0.03
193	24	-6.04	14.10	-5.55e-03	0.0	0.0	-22.26	-4.82	-11.73	-7.26e-03	14.10	-10.47
		-10.47	-0.46	2.54e-03	5.77	160.0	-22.26	-4.82	-5.95	-7.26e-03	-0.46	-6.04
193	25	10.45	0.70	5.55e-03	0.0	0.0	25.30	4.79	4.41	7.82e-03	-11.39	10.45
		5.98	-11.39	-2.37e-03	5.77	160.0	25.30	4.79	10.18	7.82e-03	0.70	5.98
193	40	3.02	11.84	-6.28e-03	0.0	0.0	10.09	6.20	-10.31	0.02	11.84	-13.54
		-13.54	-0.51	1.03e-03	5.77	160.0	10.09	6.20	-4.53	0.02	-0.51	3.02
193	41	13.52	0.74	6.29e-03	0.0	0.0	-7.04	-6.23	2.99	-0.02	-9.13	13.52
		-3.08	-9.13	-8.56e-04	5.77	160.0	-7.04	-6.23	8.76	-0.02	0.74	-3.08
193	56	-4.45	10.83	-4.18e-03	0.0	0.0	-16.01	-3.59	-9.66	-5.36e-03	10.83	-7.93
		-7.93	-0.34	1.92e-03	5.77	160.0	-16.01	-3.59	-3.88	-5.36e-03	-0.34	-4.45
193	57	7.92	0.58	4.19e-03	0.0	0.0	19.06	3.56	2.34	5.91e-03	-8.12	7.92
		4.39	-8.12	-1.75e-03	5.77	160.0	19.06	3.56	8.11	5.91e-03	0.58	4.39
193	72	2.21	9.22	-4.74e-03	0.0	0.0	7.83	4.67	-8.65	0.01	9.22	-10.26
		-10.26	-0.36	8.11e-04	5.77	160.0	7.83	4.67	-2.88	0.01	-0.36	2.21
193	73	10.24	0.60	4.75e-03	0.0	0.0	-4.79	-4.70	1.33	-0.01	-6.51	10.24
		-2.27	-6.51	-6.36e-04	5.77	160.0	-4.79	-4.70	7.11	-0.01	0.60	-2.27
193	88	-3.94	9.75	-3.71e-03	0.0	0.0	-14.00	-3.18	-8.97	-4.72e-03	9.75	-7.05
		-7.05	-0.30	1.71e-03	5.77	160.0	-14.00	-3.18	-3.20	-4.72e-03	-0.30	-3.94
193	89	7.03	0.53	3.72e-03	0.0	0.0	17.04	3.16	1.65	5.28e-03	-7.04	7.03
		3.88	-7.04	-1.54e-03	5.77	160.0	17.04	3.16	7.43	5.28e-03	0.53	3.88
193	104	1.95	8.34	-4.21e-03	0.0	0.0	7.11	4.15	-8.09	0.01	8.34	-9.12
		-9.12	-0.31	7.31e-04	5.77	160.0	7.11	4.15	-2.31	0.01	-0.31	1.95
193	105	9.10	0.55	4.22e-03	0.0	0.0	-4.06	-4.18	0.77	-0.01	-5.63	9.10
		-2.01	-5.63	-5.56e-04	5.77	160.0	-4.06	-4.18	6.54	-0.01	0.55	-2.01
193	120	-7.20	16.69	-6.68e-03	0.0	0.0	-27.04	-5.71	-13.37	-8.63e-03	16.69	-12.60
		-12.60	-0.57	3.05e-03	5.77	160.0	-27.04	-5.71	-7.60	-8.63e-03	-0.57	-7.20
193	121	12.58	0.80	6.69e-03	0.0	0.0	30.08	5.68	6.05	9.19e-03	-13.98	12.58
		7.14	-13.98	-2.87e-03	5.77	160.0	30.08	5.68	11.83	9.19e-03	0.80	7.14
193	136	3.62	13.97	-7.58e-03	0.0	0.0	11.87	7.49	-11.66	0.02	13.97	-16.31
		-16.31	-0.62	1.23e-03	5.77	160.0	11.87	7.49	-5.88	0.02	-0.62	3.62
193	137	16.30	0.86	7.59e-03	0.0	0.0	-8.83	-7.52	4.34	-0.02	-11.26	16.30
		-3.68	-11.26	-1.05e-03	5.77	160.0	-8.83	-7.52	10.11	-0.02	0.86	-3.68
194	1	0.19	2.11	-9.34e-05	0.0	0.0	2.35	0.13	-3.05	-6.12e-04	0.22	-0.01
		-0.01	-0.66	-1.28e-04	8.47	160.0	2.35	0.13	5.42	-6.12e-04	2.11	0.19
194	2	0.46	2.50	-3.43e-04	0.0	0.0	1.81	0.50	-2.84	-1.83e-03	0.27	-0.35
		-0.35	-0.49	-2.20e-04	8.47	160.0	1.81	0.50	5.63	-1.83e-03	2.50	0.46
194	4	0.46	1.74	-4.02e-04	0.0	0.0	1.12	0.56	-1.43	-2.03e-03	0.18	-0.43
		-0.43	-0.16	-2.03e-04	4.81	160.0	1.12	0.56	3.38	-2.03e-03	1.74	0.46

194	6	0.48	2.49	-3.81e-04	0.0	0.0	1.97	0.49	-2.85	-2.02e-03	0.28	-0.31
		-0.31	-0.48	-2.21e-04	8.47	160.0	1.97	0.49	5.62	-2.02e-03	2.49	0.48
194	9	0.13	1.47	-7.24e-05	0.0	0.0	1.74	0.10	-2.06	-4.49e-04	0.14	-0.03
		-0.03	-0.44	-9.49e-05	5.77	160.0	1.74	0.10	3.72	-4.49e-04	1.47	0.13
194	10	0.31	1.73	-2.39e-04	0.0	0.0	1.38	0.35	-1.92	-1.26e-03	0.18	-0.25
		-0.25	-0.33	-1.57e-04	5.77	160.0	1.38	0.35	3.86	-1.26e-03	1.73	0.31
194	12	0.33	1.73	-2.64e-04	0.0	0.0	1.49	0.35	-1.92	-1.39e-03	0.18	-0.23
		-0.23	-0.33	-1.57e-04	5.77	160.0	1.49	0.35	3.85	-1.39e-03	1.73	0.33
194	13	0.04	1.36	4.02e-05	0.0	0.0	1.74	-3.13e-03	-2.11	1.15e-04	0.11	0.04
		0.03	-0.50	-6.66e-05	5.77	160.0	1.74	-3.13e-03	3.67	1.15e-04	1.36	0.03
194	14	0.12	1.49	-4.31e-05	0.0	0.0	1.56	0.12	-2.04	-2.90e-04	0.13	-0.07
		-0.07	-0.44	-9.75e-05	5.77	160.0	1.56	0.12	3.74	-2.90e-04	1.49	0.12
194	17	0.04	1.36	4.02e-05	0.0	0.0	1.74	-3.13e-03	-2.11	1.15e-04	0.11	0.04
		0.03	-0.50	-6.66e-05	5.77	160.0	1.74	-3.13e-03	3.67	1.15e-04	1.36	0.03
194	18	0.09	1.44	-9.76e-06	0.0	0.0	1.64	0.07	-2.07	-1.28e-04	0.12	-0.03
		-0.03	-0.47	-8.52e-05	5.77	160.0	1.64	0.07	3.71	-1.28e-04	1.44	0.09
194	19	3.70	4.51	-3.14e-03	0.0	0.0	9.82	3.50	-0.34	-0.01	-1.12	-9.68
		-9.68	-1.12	4.69e-04	5.77	160.0	9.82	3.50	5.43	-0.01	4.51	3.70
194	22	9.62	1.36	3.12e-03	0.0	0.0	-6.55	-3.36	-3.79	0.01	1.36	9.62
		-3.52	-1.78	-6.39e-04	5.77	160.0	-6.55	-3.36	1.98	0.01	-1.64	-3.52
194	40	9.89	12.19	-6.01e-03	0.0	0.0	-2.53	7.14	4.23	-0.02	0.71	3.06
		3.06	0.71	-2.69e-03	5.77	160.0	-2.53	7.14	10.01	-0.02	12.19	9.89
194	41	-3.12	-0.46	5.99e-03	0.0	0.0	5.80	-6.99	-8.37	0.02	-0.46	-3.12
		-9.72	-9.32	2.52e-03	5.77	160.0	5.80	-6.99	-2.59	0.02	-9.32	-9.72
194	51	2.81	3.74	-2.32e-03	0.0	0.0	7.61	2.66	-0.77	-0.01	-0.80	-7.13
		-7.13	-0.80	3.22e-04	5.77	160.0	7.61	2.66	5.01	-0.01	3.74	2.81
194	54	7.07	1.05	2.30e-03	0.0	0.0	-4.34	-2.51	-3.37	0.01	1.05	7.07
		-2.63	-1.27	-4.92e-04	5.77	160.0	-4.34	-2.51	2.41	0.01	-0.87	-2.63
194	72	7.49	9.57	-4.56e-03	0.0	0.0	-1.44	5.41	2.70	-0.02	0.57	2.23
		2.23	0.57	-2.05e-03	5.77	160.0	-1.44	5.41	8.48	-0.02	9.57	7.49
194	73	-2.29	-0.32	4.54e-03	0.0	0.0	4.71	-5.27	-6.84	0.02	-0.32	-2.29
		-7.32	-6.70	1.88e-03	5.77	160.0	4.71	-5.27	-1.06	0.02	-6.70	-7.32
194	83	2.50	3.48	-2.06e-03	0.0	0.0	6.92	2.36	-0.91	-9.76e-03	-0.69	-6.31
		-6.31	-0.70	2.75e-04	5.77	160.0	6.92	2.36	4.86	-9.76e-03	3.48	2.50
194	86	6.25	0.94	2.04e-03	0.0	0.0	-3.65	-2.22	-3.22	9.51e-03	0.94	6.25
		-2.33	-1.12	-4.46e-04	5.77	160.0	-3.65	-2.22	2.55	9.51e-03	-0.61	-2.33
194	104	6.66	8.66	-4.05e-03	0.0	0.0	-1.09	4.81	2.17	-0.02	0.52	1.97
		1.97	0.52	-1.83e-03	5.77	160.0	-1.09	4.81	7.94	-0.02	8.66	6.66
194	105	-2.03	-0.27	4.03e-03	0.0	0.0	4.36	-4.67	-6.30	0.02	-0.27	-2.03
		-6.49	-5.79	1.66e-03	5.77	160.0	4.36	-4.67	-0.53	0.02	-5.79	-6.49
194	115	4.39	5.14	-3.79e-03	0.0	0.0	11.46	4.19	0.01	-0.02	-1.35	-11.55
		-11.55	-1.35	5.76e-04	5.77	160.0	11.46	4.19	5.79	-0.02	5.14	4.39
194	118	11.49	1.60	3.77e-03	0.0	0.0	-8.19	-4.04	-4.15	0.02	1.60	11.49
		-4.22	-2.30	-7.46e-04	5.77	160.0	-8.19	-4.04	1.63	0.02	-2.27	-4.22
194	136	11.89	14.41	-7.27e-03	0.0	0.0	-3.39	8.60	5.54	-0.03	0.82	3.67
		3.67	0.82	-3.22e-03	5.77	160.0	-3.39	8.60	11.31	-0.03	14.41	11.89
194	137	-3.73	-0.57	7.25e-03	0.0	0.0	6.66	-8.46	-9.67	0.03	-0.57	-3.73
		-11.71	-11.54	3.05e-03	5.77	160.0	6.66	-8.46	-3.90	0.03	-11.54	-11.71
195	1	0.35	2.11	-5.50e-05	0.0	0.0	-0.04	0.10	-5.61	-6.12e-04	2.11	0.19
		0.19	-0.86	6.98e-05	8.47	160.0	-0.04	0.10	2.86	-6.12e-04	-0.09	0.35
195	2	1.20	2.50	-2.47e-04	0.0	0.0	-1.64	0.46	-6.04	-1.83e-03	2.50	0.46
		0.46	-0.94	1.01e-04	8.47	160.0	-1.64	0.46	2.43	-1.83e-03	-0.39	1.20
195	3	0.43	1.35	-1.14e-04	0.0	0.0	-0.05	0.16	-3.34	-8.15e-04	1.35	0.18
		0.18	-0.51	4.91e-05	4.81	160.0	-0.05	0.16	1.47	-8.15e-04	-0.14	0.43
195	4	1.29	1.74	-3.06e-04	0.0	0.0	-1.65	0.52	-3.77	-2.03e-03	1.74	0.46
		0.46	-0.62	8.44e-05	4.81	160.0	-1.65	0.52	1.05	-2.03e-03	-0.44	1.29
195	6	1.20	2.49	-2.81e-04	0.0	0.0	-1.43	0.45	-6.04	-2.02e-03	2.49	0.48
		0.48	-0.95	1.00e-04	8.47	160.0	-1.43	0.45	2.43	-2.02e-03	-0.40	1.20
195	9	0.26	1.47	-4.55e-05	0.0	0.0	0.05	0.08	-3.85	-4.49e-04	1.47	0.13
		0.13	-0.58	4.92e-05	5.77	160.0	0.05	0.08	1.92	-4.49e-04	-0.07	0.26
195	10	0.83	1.73	-1.73e-04	0.0	0.0	-1.02	0.32	-4.14	-1.26e-03	1.73	0.31
		0.31	-0.64	7.05e-05	5.77	160.0	-1.02	0.32	1.64	-1.26e-03	-0.27	0.83
195	12	0.83	1.73	-1.96e-04	0.0	0.0	-0.88	0.32	-4.14	-1.39e-03	1.73	0.33
		0.33	-0.64	6.96e-05	5.77	160.0	-0.88	0.32	1.64	-1.39e-03	-0.28	0.83
195	13	0.03	1.36	4.62e-05	0.0	0.0	0.32	-0.02	-3.72	1.15e-04	1.36	0.03
		7.12e-03	-0.56	4.16e-05	5.77	160.0	0.32	-0.02	2.06	1.15e-04	0.03	7.12e-03
195	14	0.29	1.49	-1.82e-05	0.0	0.0	-0.22	0.11	-3.86	-2.90e-04	1.49	0.12
		0.12	-0.58	5.13e-05	5.77	160.0	-0.22	0.11	1.91	-2.90e-04	-0.07	0.29
195	16	0.26	1.47	-2.27e-05	0.0	0.0	-0.09	0.09	-3.85	-3.16e-04	1.47	0.12
		0.12	-0.58	5.00e-05	5.77	160.0	-0.09	0.09	1.93	-3.16e-04	-0.06	0.26
195	17	0.03	1.36	4.62e-05	0.0	0.0	0.32	-0.02	-3.72	1.15e-04	1.36	0.03
		7.12e-03	-0.56	4.16e-05	5.77	160.0	0.32	-0.02	2.06	1.15e-04	0.03	7.12e-03
195	18	0.18	1.44	7.84e-06	0.0	0.0	-3.73e-03	0.06	-3.80	-1.28e-04	1.44	0.09
		0.09	-0.56	4.73e-05	5.77	160.0	-3.73e-03	0.06	1.97	-1.28e-04	-0.03	0.18
195	35	-6.10	4.91	5.55e-03	0.0	0.0	31.08	-4.02	3.77	0.01	-5.74	-6.10

		-12.28	-5.74	-1.26e-03	5.77	160.0	31.08	-4.02	9.54	0.01	4.91	-12.28
195	36	20.10	12.05	-7.83e-03	0.0	0.0	-18.32	8.04	-15.12	-0.03	12.05	9.87
		9.87	-7.55	1.02e-03	5.77	160.0	-18.32	8.04	-9.34	-0.03	-7.55	20.10
195	37	-9.70	7.49	7.85e-03	0.0	0.0	18.32	-7.92	7.51	0.02	-9.18	-9.70
		-19.74	-9.18	-9.42e-04	5.77	160.0	18.32	-7.92	13.29	0.02	7.49	-19.74
195	38	12.63	8.61	-5.53e-03	0.0	0.0	-31.09	4.13	-11.37	-0.01	8.61	6.27
		6.27	-4.97	1.33e-03	5.77	160.0	-31.09	4.13	-5.60	-0.01	-4.97	12.63
195	40	20.08	12.19	-7.49e-03	0.0	0.0	-30.22	7.82	-15.25	-0.02	12.19	9.89
		9.89	-7.61	1.47e-03	5.77	160.0	-30.22	7.82	-9.47	-0.02	-7.61	20.08
195	41	-9.72	7.55	7.51e-03	0.0	0.0	30.21	-7.70	7.64	0.02	-9.32	-9.72
		-19.73	-9.32	-1.39e-03	5.77	160.0	30.21	-7.70	13.42	0.02	7.55	-19.73
195	67	-4.59	3.71	4.13e-03	0.0	0.0	23.24	-3.03	1.92	9.58e-03	-3.99	-4.59
		-9.27	-3.99	-9.33e-04	5.77	160.0	23.24	-3.03	7.70	9.58e-03	3.71	-9.27
195	68	15.26	9.46	-5.79e-03	0.0	0.0	-13.87	6.05	-12.35	-0.02	9.46	7.48
		7.48	-5.70	7.77e-04	5.77	160.0	-13.87	6.05	-6.57	-0.02	-5.70	15.26
195	69	-7.30	5.64	5.81e-03	0.0	0.0	13.86	-5.93	4.74	0.02	-6.59	-7.30
		-14.90	-6.59	-7.01e-04	5.77	160.0	13.86	-5.93	10.51	0.02	5.64	-14.90
195	70	9.63	6.86	-4.12e-03	0.0	0.0	-23.24	3.15	-9.53	-9.83e-03	6.86	4.76
		4.76	-3.77	1.01e-03	5.77	160.0	-23.24	3.15	-3.76	-9.83e-03	-3.77	9.63
195	72	15.25	9.57	-5.55e-03	0.0	0.0	-22.73	5.89	-12.46	-0.02	9.57	7.49
		7.49	-5.76	1.11e-03	5.77	160.0	-22.73	5.89	-6.68	-0.02	-5.76	15.25
195	73	-7.32	5.70	5.56e-03	0.0	0.0	22.72	-5.78	4.85	0.02	-6.70	-7.32
		-14.89	-6.70	-1.04e-03	5.77	160.0	22.72	-5.78	10.62	0.02	5.70	-14.89
195	99	-4.06	3.29	3.67e-03	0.0	0.0	20.61	-2.69	1.28	8.49e-03	-3.38	-4.06
		-8.22	-3.38	-8.23e-04	5.77	160.0	20.61	-2.69	7.06	8.49e-03	3.29	-8.22
195	100	13.57	8.56	-5.13e-03	0.0	0.0	-12.32	5.37	-11.39	-0.02	8.56	6.65
		6.65	-5.07	6.94e-04	5.77	160.0	-12.32	5.37	-5.62	-0.02	-5.07	13.57
195	101	-6.48	5.01	5.15e-03	0.0	0.0	12.31	-5.26	3.78	0.02	-5.69	-6.48
		-13.21	-5.69	-6.18e-04	5.77	160.0	12.31	-5.26	9.56	0.02	5.01	-13.21
195	102	8.58	6.26	-3.65e-03	0.0	0.0	-20.62	2.80	-8.89	-8.75e-03	6.26	4.24
		4.24	-3.36	8.99e-04	5.77	160.0	-20.62	2.80	-3.12	-8.75e-03	-3.36	8.58
195	104	13.56	8.66	-4.91e-03	0.0	0.0	-20.17	5.24	-11.49	-0.02	8.66	6.66
		6.66	-5.12	9.92e-04	5.77	160.0	-20.17	5.24	-5.71	-0.02	-5.12	13.56
195	105	-6.49	5.06	4.93e-03	0.0	0.0	20.17	-5.12	3.88	0.02	-5.79	-6.49
		-13.21	-5.79	-9.16e-04	5.77	160.0	20.17	-5.12	9.66	0.02	5.06	-13.21
195	131	-7.38	5.94	6.64e-03	0.0	0.0	37.42	-4.86	5.34	0.02	-7.22	-7.38
		-14.87	-7.22	-1.52e-03	5.77	160.0	37.42	-4.86	11.11	0.02	5.94	-14.87
195	132	24.25	14.25	-9.41e-03	0.0	0.0	-22.10	9.68	-17.46	-0.03	14.25	11.87
		11.87	-9.10	1.22e-03	5.77	160.0	-22.10	9.68	-11.68	-0.03	-9.10	24.25
195	133	-11.70	9.04	9.42e-03	0.0	0.0	22.09	-9.56	9.85	0.03	-11.38	-11.70
		-23.89	-11.38	-1.14e-03	5.77	160.0	22.09	-9.56	15.62	0.03	9.04	-23.89
195	134	15.23	10.10	-6.63e-03	0.0	0.0	-37.42	4.98	-12.95	-0.02	10.10	7.56
		7.56	-6.00	1.60e-03	5.77	160.0	-37.42	4.98	-7.17	-0.02	-6.00	15.23
195	136	24.23	14.41	-8.98e-03	0.0	0.0	-36.32	9.41	-17.61	-0.03	14.41	11.89
		11.89	-9.17	1.75e-03	5.77	160.0	-36.32	9.41	-11.83	-0.03	-9.17	24.23
195	137	-11.71	9.11	9.00e-03	0.0	0.0	36.31	-9.30	10.00	0.03	-11.54	-11.71
		-23.88	-11.54	-1.68e-03	5.77	160.0	36.31	-9.30	15.78	0.03	9.11	-23.88
196	1	0.04	1.18	4.80e-05	0.0	0.0	0.36	-0.29	-3.77	-8.67e-05	0.43	0.04
		-0.41	-0.91	3.52e-05	8.47	160.0	0.36	-0.29	4.70	-8.67e-05	1.18	-0.41
196	4	0.63	0.53	2.75e-04	0.0	0.0	-0.84	8.48e-03	-2.45	4.57e-04	0.53	0.61
		0.61	-0.46	1.82e-05	4.81	160.0	-0.84	8.48e-03	2.36	4.57e-04	0.47	0.63
196	5	0.15	1.16	6.35e-05	0.0	0.0	0.31	-0.37	-3.82	-5.41e-05	0.50	0.15
		-0.43	-0.87	3.15e-05	8.47	160.0	0.31	-0.37	4.65	-5.41e-05	1.16	-0.43
196	9	0.04	0.79	3.60e-05	0.0	0.0	0.29	-0.19	-2.58	-9.34e-05	0.29	0.04
		-0.26	-0.62	2.33e-05	5.77	160.0	0.29	-0.19	3.20	-9.34e-05	0.79	-0.26
196	10	0.36	0.68	1.89e-04	0.0	0.0	-0.45	-0.05	-2.75	2.82e-04	0.45	0.36
		0.29	-0.59	2.48e-05	5.77	160.0	-0.45	-0.05	3.03	2.82e-04	0.68	0.29
196	11	0.12	0.78	4.64e-05	0.0	0.0	0.25	-0.24	-2.61	-7.17e-05	0.34	0.12
		-0.27	-0.60	2.09e-05	5.77	160.0	0.25	-0.24	3.16	-7.17e-05	0.78	-0.27
196	13	-0.07	0.80	2.05e-05	0.0	0.0	0.35	-0.11	-2.52	-1.26e-04	0.22	-0.07
		-0.25	-0.66	2.70e-05	5.77	160.0	0.35	-0.11	3.25	-1.26e-04	0.80	-0.25
196	14	0.09	0.75	9.68e-05	0.0	0.0	-0.02	-0.04	-2.61	6.15e-05	0.30	0.09
		0.03	-0.64	2.78e-05	5.77	160.0	-0.02	-0.04	3.17	6.15e-05	0.75	0.03
196	15	-0.03	0.80	2.56e-05	0.0	0.0	0.33	-0.14	-2.54	-1.15e-04	0.25	-0.03
		-0.25	-0.65	2.58e-05	5.77	160.0	0.33	-0.14	3.23	-1.15e-04	0.80	-0.25
196	17	-0.07	0.80	2.05e-05	0.0	0.0	0.35	-0.11	-2.52	-1.26e-04	0.22	-0.07
		-0.25	-0.66	2.70e-05	5.77	160.0	0.35	-0.11	3.25	-1.26e-04	0.80	-0.25
196	18	0.03	0.77	6.63e-05	0.0	0.0	0.12	-0.07	-2.57	-1.35e-05	0.27	0.03
		-0.08	-0.65	2.75e-05	5.77	160.0	0.12	-0.07	3.20	-1.35e-05	0.77	-0.08
196	19	16.79	1.84	-1.25e-03	0.0	0.0	17.17	6.78	-3.75	-0.01	1.84	5.16
		5.16	-0.40	1.50e-04	5.77	160.0	17.17	6.78	2.03	-0.01	0.02	16.79
196	22	-5.11	1.52	1.38e-03	0.0	0.0	-16.92	-6.91	-1.40	0.01	-1.31	-5.11
		-16.95	-1.48	-1.77e-04	5.77	160.0	-16.92	-6.91	4.37	0.01	1.52	-16.95
196	35	14.07	2.05	-5.05e-03	0.0	0.0	19.86	6.26	0.24	-0.01	-2.98	-5.55
		-5.55	-2.98	3.62e-04	5.77	160.0	19.86	6.26	6.02	-0.01	2.05	14.07

196	38	5.60	3.52	5.18e-03	0.0	0.0	-19.61	-6.40	-5.39	0.01	3.52	5.60
		-14.23	-0.53	-3.88e-04	5.77	160.0	-19.61	-6.40	0.38	0.01	-0.51	-14.23
196	40	9.95	5.28	5.53e-03	0.0	0.0	-19.13	-3.22	-6.89	0.01	5.28	9.95
		-6.17	-1.41	-3.42e-04	5.77	160.0	-19.13	-3.22	-1.11	0.01	-1.41	-6.17
196	41	6.01	2.95	-5.39e-03	0.0	0.0	19.37	3.09	1.74	-0.01	-4.74	-9.90
		-9.90	-4.74	3.16e-04	5.77	160.0	19.37	3.09	7.52	-0.01	2.95	6.01
196	51	12.22	1.45	-9.13e-04	0.0	0.0	12.75	4.92	-3.46	-7.88e-03	1.45	3.84
		3.84	-0.41	1.04e-04	5.77	160.0	12.75	4.92	2.31	-7.88e-03	0.21	12.22
196	54	-3.79	1.33	1.04e-03	0.0	0.0	-12.50	-5.05	-1.69	7.85e-03	-0.91	-3.79
		-12.38	-1.21	-1.31e-04	5.77	160.0	-12.50	-5.05	4.09	7.85e-03	1.33	-12.38
196	67	10.25	1.74	-3.75e-03	0.0	0.0	14.91	4.56	-0.44	-9.36e-03	-2.20	-4.20
		-4.20	-2.22	2.63e-04	5.77	160.0	14.91	4.56	5.34	-9.36e-03	1.74	10.25
196	70	4.25	2.73	3.88e-03	0.0	0.0	-14.66	-4.69	-4.71	9.33e-03	2.73	4.25
		-10.41	-0.35	-2.90e-04	5.77	160.0	-14.66	-4.69	1.06	9.33e-03	-0.20	-10.41
196	72	7.51	4.06	4.13e-03	0.0	0.0	-14.38	-2.39	-5.84	9.54e-03	4.06	7.51
		-4.52	-0.87	-2.58e-04	5.77	160.0	-14.38	-2.39	-0.07	9.54e-03	-0.87	-4.52
196	73	4.36	2.41	-4.00e-03	0.0	0.0	14.62	2.25	0.70	-9.57e-03	-3.52	-7.46
		-7.46	-3.52	2.34e-04	5.77	160.0	14.62	2.25	6.47	-9.57e-03	2.41	4.36
196	83	10.79	1.31	-8.02e-04	0.0	0.0	11.31	4.34	-3.36	-6.99e-03	1.31	3.40
		3.40	-0.42	9.05e-05	5.77	160.0	11.31	4.34	2.41	-6.99e-03	0.27	10.79
196	86	-3.35	1.27	9.33e-04	0.0	0.0	-11.06	-4.47	-1.79	6.97e-03	-0.77	-3.35
		-10.95	-1.13	-1.17e-04	5.77	160.0	-11.06	-4.47	3.99	6.97e-03	1.27	-10.95
196	99	9.05	1.63	-3.32e-03	0.0	0.0	13.24	4.02	-0.67	-8.31e-03	-1.92	-3.73
		-3.73	-1.98	2.31e-04	5.77	160.0	13.24	4.02	5.10	-8.31e-03	1.63	9.05
196	102	3.78	2.46	3.45e-03	0.0	0.0	-13.00	-4.16	-4.47	8.29e-03	2.46	3.78
		-9.21	-0.32	-2.58e-04	5.77	160.0	-13.00	-4.16	1.30	8.29e-03	-0.09	-9.21
196	104	6.67	3.64	3.67e-03	0.0	0.0	-12.75	-2.12	-5.48	8.47e-03	3.64	6.67
		-4.01	-0.69	-2.30e-04	5.77	160.0	-12.75	-2.12	0.29	8.47e-03	-0.68	-4.01
196	105	3.85	2.22	-3.54e-03	0.0	0.0	13.00	1.99	0.33	-8.50e-03	-3.10	-6.62
		-6.62	-3.10	2.10e-04	5.77	160.0	13.00	1.99	6.11	-8.50e-03	2.22	3.85
196	115	20.21	2.16	-1.48e-03	0.0	0.0	20.64	8.16	-3.99	-0.01	2.16	6.21
		6.21	-0.43	1.84e-04	5.77	160.0	20.64	8.16	1.79	-0.01	-0.14	20.21
196	118	-6.16	1.68	1.61e-03	0.0	0.0	-20.39	-8.29	-1.16	0.01	-1.62	-6.16
		-20.37	-1.71	-2.11e-04	5.77	160.0	-20.39	-8.29	4.61	0.01	1.68	-20.37
196	131	16.95	2.31	-6.08e-03	0.0	0.0	23.91	7.55	0.83	-0.01	-3.66	-6.71
		-6.71	-3.66	4.37e-04	5.77	160.0	23.91	7.55	6.60	-0.01	2.31	16.95
196	134	6.76	4.19	6.21e-03	0.0	0.0	-23.66	-7.68	-5.98	0.01	4.19	6.76
		-17.11	-0.77	-4.64e-04	5.77	160.0	-23.66	-7.68	-0.20	0.01	-0.77	-17.11
196	136	12.02	6.31	6.66e-03	0.0	0.0	-23.05	-3.87	-7.78	0.02	6.31	12.02
		-7.41	-1.86	-4.07e-04	5.77	160.0	-23.05	-3.87	-2.01	0.02	-1.86	-7.41
196	137	7.25	3.40	-6.52e-03	0.0	0.0	23.30	3.74	2.63	-0.02	-5.77	-11.96
		-11.96	-5.77	3.80e-04	5.77	160.0	23.30	3.74	8.41	-0.02	3.40	7.25
197	1	-0.35	1.96	-4.63e-05	0.0	0.0	-0.02	0.26	-3.74	-7.45e-04	1.18	-0.76
		-0.76	-0.15	-1.10e-05	8.47	160.0	-0.02	0.26	4.72	-7.45e-04	1.96	-0.35
197	2	-1.57e-03	2.20	3.16e-04	0.0	0.0	-1.30	-0.16	-3.49	-9.85e-04	1.00	-1.57e-03
		-0.26	-0.14	-2.17e-05	8.47	160.0	-1.30	-0.16	4.98	-9.85e-04	2.20	-0.26
197	4	0.28	1.48	3.55e-04	0.0	0.0	-1.33	-0.28	-1.77	-6.94e-04	0.47	0.28
		-0.17	-0.05	-2.14e-05	4.81	160.0	-1.33	-0.28	3.04	-6.94e-04	1.48	-0.17
197	5	-0.45	1.97	-4.01e-05	0.0	0.0	-0.21	0.27	-3.73	-1.11e-03	1.16	-0.88
		-0.88	-0.15	-1.04e-05	8.47	160.0	-0.21	0.27	4.74	-1.11e-03	1.97	-0.45
197	9	-0.23	1.39	-2.53e-05	0.0	0.0	0.03	0.17	-2.52	-4.09e-04	0.79	-0.50
		-0.50	-0.08	-9.63e-06	5.77	160.0	0.03	0.17	3.26	-4.09e-04	1.39	-0.23
197	10	1.51e-03	1.55	2.16e-04	0.0	0.0	-0.83	-0.11	-2.34	-5.69e-04	0.68	1.51e-03
		-0.17	-0.08	-1.67e-05	5.77	160.0	-0.83	-0.11	3.43	-5.69e-04	1.55	-0.17
197	11	-0.30	1.40	-2.11e-05	0.0	0.0	-0.10	0.18	-2.50	-6.55e-04	0.78	-0.58
		-0.58	-0.08	-9.25e-06	5.77	160.0	-0.10	0.18	3.27	-6.55e-04	1.40	-0.30
197	13	-0.13	1.37	-3.15e-05	0.0	0.0	0.22	0.16	-2.53	-3.99e-05	0.80	-0.38
		-0.38	-0.08	-1.02e-05	5.77	160.0	0.22	0.16	3.24	-3.99e-05	1.37	-0.13
197	14	-0.10	1.45	8.93e-05	0.0	0.0	-0.21	0.02	-2.45	-1.20e-04	0.75	-0.13
		-0.13	-0.08	-1.38e-05	5.77	160.0	-0.21	0.02	3.33	-1.20e-04	1.45	-0.10
197	15	-0.16	1.38	-2.95e-05	0.0	0.0	0.16	0.16	-2.53	-1.63e-04	0.80	-0.42
		-0.42	-0.08	-1.00e-05	5.77	160.0	0.16	0.16	3.25	-1.63e-04	1.38	-0.16
197	17	-0.13	1.37	-3.15e-05	0.0	0.0	0.22	0.16	-2.53	-3.99e-05	0.80	-0.38
		-0.38	-0.08	-1.02e-05	5.77	160.0	0.22	0.16	3.24	-3.99e-05	1.37	-0.13
197	18	-0.11	1.42	4.10e-05	0.0	0.0	-0.03	0.08	-2.48	-8.78e-05	0.77	-0.23
		-0.23	-0.08	-1.24e-05	5.77	160.0	-0.03	0.08	3.30	-8.78e-05	1.42	-0.11
197	19	20.63	2.16	2.01e-03	0.0	0.0	22.51	-8.42	-1.55	0.02	0.02	20.63
		8.84	-0.32	-3.55e-04	5.77	160.0	22.51	-8.42	4.22	0.02	2.16	8.84
197	22	-9.06	1.52	-1.93e-03	0.0	0.0	-22.58	8.58	-3.41	-0.02	1.52	-21.09
		-21.09	-0.08	3.59e-04	5.77	160.0	-22.58	8.58	2.37	-0.02	0.69	-9.06
197	28	11.59	3.31	5.30e-03	0.0	0.0	-20.39	-5.26	0.09	0.03	-1.46	11.59
		3.81	-1.46	-1.89e-04	5.77	160.0	-20.39	-5.26	5.87	0.03	3.31	3.81
197	35	17.43	2.04	-3.03e-03	0.0	0.0	25.76	-7.06	-3.95	-0.01	2.04	17.43
		8.80	-0.12	-3.47e-04	5.77	160.0	25.76	-7.06	1.83	-0.01	0.34	8.80
197	38	-9.02	2.51	3.11e-03	0.0	0.0	-25.83	7.21	-1.01	0.01	-0.50	-17.89

		-17.89	-0.64	3.51e-04	5.77	160.0	-25.83	7.21	4.76	0.01	2.51	-9.02
197	51	14.91	1.97	1.46e-03	0.0	0.0	16.65	-6.14	-1.79	0.01	0.21	14.91
		6.44	-0.23	-2.62e-04	5.77	160.0	16.65	-6.14	3.99	0.01	1.97	6.44
197	54	-6.66	1.33	-1.38e-03	0.0	0.0	-16.72	6.29	-3.17	-0.01	1.33	-15.38
		-15.38	-0.06	2.65e-04	5.77	160.0	-16.72	6.29	2.60	-0.01	0.87	-6.66
197	60	8.41	2.84	3.92e-03	0.0	0.0	-15.38	-3.84	-0.56	0.02	-0.89	8.41
		2.78	-0.93	-1.42e-04	5.77	160.0	-15.38	-3.84	5.22	0.02	2.84	2.78
197	67	12.59	1.73	-2.29e-03	0.0	0.0	19.25	-5.15	-3.59	-9.27e-03	1.73	12.59
		6.45	-0.06	-2.56e-04	5.77	160.0	19.25	-5.15	2.18	-9.27e-03	0.60	6.45
197	70	-6.67	2.24	2.37e-03	0.0	0.0	-19.32	5.30	-1.37	9.10e-03	-0.19	-13.06
		-13.06	-0.45	2.60e-04	5.77	160.0	-19.32	5.30	4.41	9.10e-03	2.24	-6.67
197	83	13.15	1.91	1.30e-03	0.0	0.0	14.74	-5.41	-1.87	0.01	0.27	13.15
		5.68	-0.21	-2.31e-04	5.77	160.0	14.74	-5.41	3.91	0.01	1.91	5.68
197	86	-5.90	1.27	-1.21e-03	0.0	0.0	-14.81	5.57	-3.09	-0.01	1.27	-13.61
		-13.61	-0.06	2.35e-04	5.77	160.0	-14.81	5.57	2.68	-0.01	0.94	-5.90
197	92	7.41	2.68	3.47e-03	0.0	0.0	-13.65	-3.39	-0.78	0.02	-0.70	7.41
		2.45	-0.79	-1.26e-04	5.77	160.0	-13.65	-3.39	5.00	0.02	2.68	2.45
197	99	11.09	1.62	-2.03e-03	0.0	0.0	17.07	-4.54	-3.47	-8.23e-03	1.62	11.09
		5.70	-0.04	-2.27e-04	5.77	160.0	17.07	-4.54	2.31	-8.23e-03	0.69	5.70
197	102	-5.92	2.15	2.11e-03	0.0	0.0	-17.14	4.70	-1.49	8.06e-03	-0.08	-11.56
		-11.56	-0.39	2.31e-04	5.77	160.0	-17.14	4.70	4.28	8.06e-03	2.15	-5.92
197	115	24.83	2.31	2.43e-03	0.0	0.0	27.12	-10.13	-1.36	0.02	-0.14	24.83
		10.66	-0.39	-4.26e-04	5.77	160.0	27.12	-10.13	4.41	0.02	2.31	10.66
197	118	-10.88	1.68	-2.35e-03	0.0	0.0	-27.19	10.29	-3.60	-0.02	1.68	-25.30
		-25.30	-0.12	4.30e-04	5.77	160.0	-27.19	10.29	2.18	-0.02	0.54	-10.88
197	124	13.96	3.71	6.42e-03	0.0	0.0	-24.49	-6.34	0.63	0.04	-1.92	13.96
		4.59	-1.92	-2.25e-04	5.77	160.0	-24.49	-6.34	6.40	0.04	3.71	4.59
197	131	21.00	2.30	-3.66e-03	0.0	0.0	31.07	-8.50	-4.25	-0.01	2.30	21.00
		10.63	-0.21	-4.18e-04	5.77	160.0	31.07	-8.50	1.52	-0.01	0.11	10.63
197	134	-10.85	2.73	3.75e-03	0.0	0.0	-31.14	8.65	-0.70	0.01	-0.76	-21.46
		-21.46	-0.83	4.22e-04	5.77	160.0	-31.14	8.65	5.07	0.01	2.73	-10.85
198	1	0.08	1.96	-1.20e-04	0.0	0.0	-0.09	0.26	-5.58	-7.45e-04	1.96	-0.35
		-0.35	-0.98	2.14e-04	8.47	160.0	-0.09	0.26	2.88	-7.45e-04	-0.20	0.08
198	2	-0.26	2.20	2.63e-04	0.0	0.0	-1.43	-0.12	-5.91	-9.85e-04	2.20	-0.26
		-0.46	-1.10	2.57e-04	8.47	160.0	-1.43	-0.12	2.56	-9.85e-04	-0.48	-0.46
198	4	-0.17	1.48	3.20e-04	0.0	0.0	-1.44	-0.24	-3.65	-6.94e-04	1.48	-0.17
		-0.56	-0.73	2.03e-04	4.81	160.0	-1.44	-0.24	1.17	-6.94e-04	-0.50	-0.56
198	6	-0.38	2.14	1.32e-04	0.0	0.0	-1.23	3.30e-03	-5.87	-1.28e-03	2.14	-0.39
		-0.39	-1.11	2.42e-04	8.47	160.0	-1.23	3.30e-03	2.60	-1.28e-03	-0.47	-0.38
198	9	0.05	1.39	-7.44e-05	0.0	0.0	-0.02	0.18	-3.85	-4.09e-04	1.39	-0.23
		-0.23	-0.67	1.63e-04	5.77	160.0	-0.02	0.18	1.92	-4.09e-04	-0.16	0.05
198	10	-0.17	1.55	1.81e-04	0.0	0.0	-0.92	-0.08	-4.07	-5.69e-04	1.55	-0.17
		-0.31	-0.75	1.92e-04	5.77	160.0	-0.92	-0.08	1.70	-5.69e-04	-0.35	-0.31
198	12	-0.26	1.51	9.36e-05	0.0	0.0	-0.78	1.69e-03	-4.04	-7.67e-04	1.51	-0.26
		-0.26	-0.76	1.82e-04	5.77	160.0	-0.78	1.69e-03	1.73	-7.67e-04	-0.34	-0.26
198	13	0.14	1.37	-5.85e-05	0.0	0.0	0.18	0.16	-3.80	-3.99e-05	1.37	-0.13
		-0.13	-0.62	1.65e-04	5.77	160.0	0.18	0.16	1.98	-3.99e-05	-0.09	0.14
198	14	-0.04	1.45	6.90e-05	0.0	0.0	-0.27	0.03	-3.91	-1.20e-04	1.45	-0.10
		-0.10	-0.66	1.79e-04	5.77	160.0	-0.27	0.03	1.87	-1.20e-04	-0.18	-0.04
198	15	0.11	1.38	-6.38e-05	0.0	0.0	0.11	0.17	-3.82	-1.63e-04	1.38	-0.16
		-0.16	-0.64	1.65e-04	5.77	160.0	0.11	0.17	1.96	-1.63e-04	-0.11	0.11
198	17	0.14	1.37	-5.85e-05	0.0	0.0	0.18	0.16	-3.80	-3.99e-05	1.37	-0.13
		-0.13	-0.62	1.65e-04	5.77	160.0	0.18	0.16	1.98	-3.99e-05	-0.09	0.14
198	18	0.03	1.42	1.80e-05	0.0	0.0	-0.09	0.09	-3.86	-8.78e-05	1.42	-0.11
		-0.11	-0.65	1.74e-04	5.77	160.0	-0.09	0.09	1.91	-8.78e-05	-0.14	0.03
198	19	8.84	2.16	3.00e-03	0.0	0.0	21.05	-7.08	-5.01	0.02	2.16	8.84
		-3.43	-1.74	2.59e-04	5.77	160.0	21.05	-7.08	0.77	0.02	-1.71	-3.43
198	22	3.48	1.43	-2.96e-03	0.0	0.0	-21.23	7.25	-2.72	-0.02	0.69	-9.06
		-9.06	-0.12	9.40e-05	5.77	160.0	-21.23	7.25	3.05	-0.02	1.43	3.48
198	35	8.80	3.08	-2.49e-03	0.0	0.0	23.85	-5.74	-1.18	-0.01	0.34	8.80
		4.56	0.15	2.97e-04	5.77	160.0	23.85	-5.74	4.60	-0.01	3.08	4.56
198	38	-4.50	2.51	2.53e-03	0.0	0.0	-24.03	5.91	-6.55	0.01	2.51	-9.02
		-9.02	-3.37	1.48e-04	5.77	160.0	-24.03	5.91	-0.77	0.01	-3.37	-4.50
198	40	-5.16	3.29	5.19e-03	0.0	0.0	-23.34	2.45	-7.96	0.03	3.29	-5.16
		-7.80	-5.10	2.05e-04	5.77	160.0	-23.34	2.45	-2.18	0.03	-5.10	-7.80
198	41	7.86	4.82	-5.16e-03	0.0	0.0	23.16	-2.28	0.23	-0.03	-0.45	4.94
		4.94	-0.45	2.74e-04	5.77	160.0	23.16	-2.28	6.00	-0.03	4.82	7.86
198	67	6.45	2.30	-1.86e-03	0.0	0.0	17.80	-4.17	-1.83	-9.27e-03	0.60	6.45
		3.47	0.14	2.64e-04	5.77	160.0	17.80	-4.17	3.95	-9.27e-03	2.30	3.47
198	70	-3.41	2.24	1.90e-03	0.0	0.0	-17.97	4.34	-5.90	9.10e-03	2.24	-6.67
		-6.67	-2.59	1.49e-04	5.77	160.0	-17.97	4.34	-0.13	9.10e-03	-2.59	-3.41
198	72	-3.84	2.83	3.84e-03	0.0	0.0	-17.54	1.80	-6.97	0.02	2.83	-3.84
		-5.89	-3.89	1.91e-04	5.77	160.0	-17.54	1.80	-1.19	0.02	-3.89	-5.89
198	73	5.95	3.61	-3.81e-03	0.0	0.0	17.36	-1.62	-0.76	-0.02	0.01	3.62
		3.62	-0.04	2.48e-04	5.77	160.0	17.36	-1.62	5.01	-0.02	3.61	5.95

198	99	5.70	2.03	-1.65e-03	0.0	0.0	15.77	-3.68	-2.05	-8.23e-03	0.69	5.70
		3.08	0.11	2.54e-04	5.77	160.0	15.77	-3.68	3.72	-8.23e-03	2.03	3.08
198	102	-3.03	2.15	1.69e-03	0.0	0.0	-15.95	3.85	-5.67	8.06e-03	2.15	-5.92
		-5.92	-2.31	1.49e-04	5.77	160.0	-15.95	3.85	0.10	8.06e-03	-2.31	-3.03
198	104	-3.41	2.67	3.41e-03	0.0	0.0	-15.58	1.60	-6.62	0.02	2.67	-3.41
		-5.23	-3.47	1.86e-04	5.77	160.0	-15.58	1.60	-0.85	0.02	-3.47	-5.23
198	105	5.29	3.19	-3.37e-03	0.0	0.0	15.40	-1.42	-1.11	-0.02	0.17	3.19
		3.19	0.03	2.40e-04	5.77	160.0	15.40	-1.42	4.67	-0.02	3.19	5.29
198	115	10.66	2.31	3.61e-03	0.0	0.0	25.38	-8.51	-5.24	0.02	2.31	10.66
		-4.11	-2.03	2.78e-04	5.77	160.0	25.38	-8.51	0.53	0.02	-2.03	-4.11
198	118	4.17	1.75	-3.58e-03	0.0	0.0	-25.56	8.68	-2.49	-0.02	0.54	-10.88
		-10.88	-0.09	7.80e-05	5.77	160.0	-25.56	8.68	3.29	-0.02	1.75	4.17
198	131	10.63	3.75	-3.02e-03	0.0	0.0	28.79	-6.90	-0.62	-0.01	0.11	10.63
		5.50	0.06	3.22e-04	5.77	160.0	28.79	-6.90	5.15	-0.01	3.75	5.50
198	134	-5.45	2.73	3.05e-03	0.0	0.0	-28.96	7.08	-7.11	0.01	2.73	-10.85
		-10.85	-4.03	1.50e-04	5.77	160.0	-28.96	7.08	-1.33	0.01	-4.03	-5.45
198	136	-6.21	3.68	6.27e-03	0.0	0.0	-28.12	2.93	-8.81	0.03	3.68	-6.21
		-9.41	-6.12	2.17e-04	5.77	160.0	-28.12	2.93	-3.03	0.03	-6.12	-9.41
198	137	9.47	5.84	-6.24e-03	0.0	0.0	27.94	-2.76	1.08	-0.03	-0.84	5.99
		5.99	-0.84	2.94e-04	5.77	160.0	27.94	-2.76	6.85	-0.03	5.84	9.47
199	1	0.01	1.76	-1.06e-04	0.0	0.0	0.51	-0.02	-5.39	-3.30e-04	1.76	0.01
		-0.02	-0.98	2.59e-04	8.47	160.0	0.51	-0.02	3.08	-3.30e-04	-0.09	-0.02
199	2	0.45	1.99	-2.16e-05	0.0	0.0	0.26	0.06	-5.58	1.06e-04	1.99	0.35
		0.35	-0.94	3.07e-04	8.47	160.0	0.26	0.06	2.89	1.06e-04	-0.16	0.45
199	4	0.53	1.45	-1.81e-05	0.0	0.0	0.05	0.08	-3.43	1.16e-04	1.45	0.40
		0.40	-0.51	2.29e-04	4.81	160.0	0.05	0.08	1.38	1.16e-04	-0.19	0.53
199	5	0.09	1.75	-1.82e-04	0.0	0.0	0.32	-4.08e-04	-5.41	-4.38e-04	1.75	0.09
		0.09	-1.01	2.58e-04	8.47	160.0	0.32	-4.08e-04	3.06	-4.38e-04	-0.13	0.09
199	8	0.49	1.38	-1.13e-04	0.0	0.0	-0.06	0.07	-3.40	-1.22e-04	1.38	0.37
		0.37	-0.54	2.14e-04	4.81	160.0	-0.06	0.07	1.41	-1.22e-04	-0.21	0.49
199	9	9.70e-03	1.29	-6.52e-05	0.0	0.0	0.41	-0.01	-3.74	-2.50e-04	1.29	9.70e-03
		-0.01	-0.65	1.92e-04	5.77	160.0	0.41	-0.01	2.03	-2.50e-04	-0.08	-0.01
199	10	0.30	1.45	-1.09e-05	0.0	0.0	0.24	0.04	-3.87	4.07e-05	1.45	0.23
		0.23	-0.63	2.24e-04	5.77	160.0	0.24	0.04	1.90	4.07e-05	-0.13	0.30
199	11	0.06	1.29	-1.16e-04	0.0	0.0	0.28	-1.44e-03	-3.76	-3.22e-04	1.29	0.06
		0.06	-0.66	1.91e-04	5.77	160.0	0.28	-1.44e-03	2.01	-3.22e-04	-0.11	0.06
199	12	0.28	1.40	-7.54e-05	0.0	0.0	0.17	0.04	-3.85	-1.18e-04	1.40	0.22
		0.22	-0.65	2.13e-04	5.77	160.0	0.17	0.04	1.92	-1.18e-04	-0.14	0.28
199	13	-0.07	1.29	1.16e-05	0.0	0.0	0.60	-0.03	-3.72	-1.43e-04	1.29	-0.07
		-0.12	-0.62	1.94e-04	5.77	160.0	0.60	-0.03	2.06	-1.43e-04	-0.04	-0.12
199	14	0.05	1.37	4.09e-05	0.0	0.0	0.52	-4.88e-03	-3.78	2.62e-06	1.37	0.05
		0.04	-0.61	2.10e-04	5.77	160.0	0.52	-4.88e-03	1.99	2.62e-06	-0.06	0.04
199	15	-0.04	1.29	-1.40e-05	0.0	0.0	0.54	-0.03	-3.73	-1.79e-04	1.29	-0.04
		-0.08	-0.63	1.93e-04	5.77	160.0	0.54	-0.03	2.05	-1.79e-04	-0.05	-0.08
199	16	0.03	1.34	3.56e-06	0.0	0.0	0.49	-9.57e-03	-3.77	-9.13e-05	1.34	0.03
		0.01	-0.62	2.03e-04	5.77	160.0	0.49	-9.57e-03	2.01	-9.13e-05	-0.07	0.01
199	17	-0.07	1.29	1.16e-05	0.0	0.0	0.60	-0.03	-3.72	-1.43e-04	1.29	-0.07
		-0.12	-0.62	1.94e-04	5.77	160.0	0.60	-0.03	2.06	-1.43e-04	-0.04	-0.12
199	18	8.64e-04	1.34	2.91e-05	0.0	0.0	0.55	-0.02	-3.76	-5.55e-05	1.34	8.64e-04
		-0.02	-0.61	2.03e-04	5.77	160.0	0.55	-0.02	2.02	-5.55e-05	-0.05	-0.02
199	28	6.11	4.54	-7.33e-04	0.0	0.0	6.73	2.64	-0.95	0.03	1.44	2.77
		2.77	1.31	3.23e-04	5.77	160.0	6.73	2.64	4.82	0.03	4.54	6.11
199	29	-2.76	1.25	7.91e-04	0.0	0.0	-5.63	-2.67	-6.56	-0.03	1.25	-2.76
		-6.16	-4.65	2.58e-04	5.77	160.0	-5.63	-2.67	-0.79	-0.03	-4.65	-6.16
199	40	6.37	4.17	-1.16e-03	0.0	0.0	7.37	3.36	-1.16	0.04	1.28	-2.06
		-2.06	1.12	2.27e-04	5.77	160.0	7.37	3.36	4.62	0.04	4.17	6.37
199	41	2.06	1.40	1.22e-03	0.0	0.0	-6.28	-3.39	-6.36	-0.04	1.40	2.06
		-6.42	-4.28	3.02e-04	5.77	160.0	-6.28	-3.39	-0.58	-0.04	-4.28	-6.42
199	48	6.74	3.93	-1.52e-03	0.0	0.0	5.47	2.86	-1.32	0.02	1.29	-1.77
		-1.77	1.08	2.25e-04	5.77	160.0	5.47	2.86	4.46	0.02	3.93	6.74
199	49	1.77	1.39	1.58e-03	0.0	0.0	-4.38	-2.90	-6.20	-0.02	1.39	1.77
		-6.79	-4.03	2.94e-04	5.77	160.0	-4.38	-2.90	-0.42	-0.02	-4.03	-6.79
199	60	4.62	3.33	-4.78e-04	0.0	0.0	5.24	1.98	-1.69	0.02	1.41	2.06
		2.06	1.02	2.91e-04	5.77	160.0	5.24	1.98	4.08	0.02	3.33	4.62
199	61	-2.06	1.27	5.36e-04	0.0	0.0	-4.15	-2.01	-5.82	-0.02	1.27	-2.06
		-4.67	-3.44	2.31e-04	5.77	160.0	-4.15	-2.01	-0.05	-0.02	-3.44	-4.67
199	72	4.82	3.09	-8.06e-04	0.0	0.0	5.73	2.52	-1.82	0.03	1.30	-1.51
		-1.51	0.86	2.22e-04	5.77	160.0	5.73	2.52	3.95	0.03	3.09	4.82
199	73	1.51	1.38	8.65e-04	0.0	0.0	-4.63	-2.55	-5.69	-0.03	1.38	1.51
		-4.87	-3.19	2.66e-04	5.77	160.0	-4.63	-2.55	0.08	-0.03	-3.19	-4.87
199	80	5.10	2.88	-1.09e-03	0.0	0.0	4.29	2.16	-1.96	0.02	1.30	-1.33
		-1.33	0.80	2.20e-04	5.77	160.0	4.29	2.16	3.81	0.02	2.88	5.10
199	81	1.34	1.38	1.14e-03	0.0	0.0	-3.20	-2.19	-5.55	-0.02	1.38	1.34
		-5.14	-2.98	2.59e-04	5.77	160.0	-3.20	-2.19	0.22	-0.02	-2.98	-5.14
199	92	4.10	2.94	-4.14e-04	0.0	0.0	4.72	1.76	-1.93	0.02	1.40	1.83

		1.83	0.89	2.81e-04	5.77	160.0	4.72	1.76	3.85	0.02	2.94	4.10
199	93	-1.83	1.28	4.73e-04	0.0	0.0	-3.62	-1.79	-5.59	-0.02	1.28	-1.83
		-4.15	-3.05	2.23e-04	5.77	160.0	-3.62	-1.79	0.19	-0.02	-3.05	-4.15
199	104	4.28	2.73	-7.05e-04	0.0	0.0	5.15	2.24	-2.04	0.02	1.30	-1.33
		-1.33	0.76	2.20e-04	5.77	160.0	5.15	2.24	3.73	0.02	2.73	4.28
199	105	1.33	1.38	7.64e-04	0.0	0.0	-4.06	-2.27	-5.47	-0.02	1.38	1.33
		-4.33	-2.84	2.54e-04	5.77	160.0	-4.06	-2.27	0.30	-0.02	-2.83	-4.33
199	112	4.52	2.54	-9.55e-04	0.0	0.0	3.88	1.91	-2.17	0.02	1.31	-1.18
		-1.18	0.69	2.18e-04	5.77	160.0	3.88	1.91	3.61	0.02	2.54	4.52
199	113	1.19	1.37	1.01e-03	0.0	0.0	-2.78	-1.95	-5.35	-0.02	1.37	1.19
		-4.57	-2.66	2.48e-04	5.77	160.0	-2.78	-1.95	0.43	-0.02	-2.65	-4.57
199	124	7.35	5.50	-9.22e-04	0.0	0.0	7.97	3.19	-0.37	0.04	1.45	3.31
		3.31	1.44	3.48e-04	5.77	160.0	7.97	3.19	5.41	0.04	5.50	7.35
199	125	-3.31	1.23	9.81e-04	0.0	0.0	-6.88	-3.22	-7.15	-0.04	1.23	-3.31
		-7.40	-5.61	2.81e-04	5.77	160.0	-6.88	-3.22	-1.37	-0.04	-5.61	-7.40
199	136	7.69	5.05	-1.42e-03	0.0	0.0	8.77	4.06	-0.62	0.05	1.27	-2.48
		-2.48	1.24	2.32e-04	5.77	160.0	8.77	4.06	5.16	0.05	5.05	7.69
199	137	2.48	1.41	1.48e-03	0.0	0.0	-7.67	-4.09	-6.90	-0.05	1.41	2.48
		-7.74	-5.16	3.30e-04	5.77	160.0	-7.67	-4.09	-1.12	-0.05	-5.16	-7.74
199	144	8.14	4.77	-1.87e-03	0.0	0.0	6.45	3.46	-0.81	0.03	1.28	-2.13
		-2.13	1.21	2.30e-04	5.77	160.0	6.45	3.46	4.97	0.03	4.77	8.14
199	145	2.13	1.40	1.93e-03	0.0	0.0	-5.35	-3.49	-6.71	-0.03	1.40	2.13
		-8.19	-4.87	3.21e-04	5.77	160.0	-5.35	-3.49	-0.93	-0.03	-4.87	-8.19
200	2	1.83	0.0	-7.21e-05	-0.53	0.0	-0.04	18.57	-22.91	-1.00	0.0	0.0
		0.0	-2.29	2.55e-04	0.0	10.0	-0.04	18.04	-22.91	-1.00	-2.29	1.83
200	3	0.61	0.0	-2.55e-05	-0.30	0.0	-0.02	6.22	-4.29	-0.17	0.0	0.0
		0.0	-0.43	4.51e-05	0.0	10.0	-0.02	5.92	-4.29	-0.17	-0.43	0.61
200	4	1.46	0.0	-5.48e-05	-0.30	0.0	-0.04	14.78	-21.61	-0.95	0.0	0.0
		0.0	-2.16	2.40e-04	0.0	10.0	-0.04	14.48	-21.61	-0.95	-2.16	1.46
200	7	0.61	0.0	-2.55e-05	-0.30	0.0	-0.02	6.22	-4.31	-0.18	0.0	0.0
		0.0	-0.43	4.28e-05	0.0	10.0	-0.02	5.92	-4.31	-0.18	-0.43	0.61
200	9	0.69	0.0	-2.97e-05	-0.36	0.0	-0.01	7.05	-4.29	-0.17	0.0	0.0
		0.0	-0.43	4.65e-05	0.0	10.0	-0.01	6.69	-4.29	-0.17	-0.43	0.69
200	10	1.26	0.0	-4.92e-05	-0.36	0.0	-0.03	12.76	-15.84	-0.69	0.0	0.0
		0.0	-1.58	1.76e-04	0.0	10.0	-0.03	12.40	-15.84	-0.69	-1.58	1.26
200	11	0.69	0.0	-2.97e-05	-0.36	0.0	-0.02	7.05	-4.30	-0.17	0.0	0.0
		0.0	-0.43	4.50e-05	0.0	10.0	-0.02	6.69	-4.30	-0.17	-0.43	0.69
200	13	0.69	0.0	-2.97e-05	-0.36	0.0	-0.01	7.05	-4.27	-0.16	0.0	0.0
		0.0	-0.43	4.87e-05	0.0	10.0	-0.01	6.69	-4.27	-0.16	-0.43	0.69
200	14	0.97	0.0	-3.95e-05	-0.36	0.0	-0.02	9.91	-10.04	-0.42	0.0	0.0
		0.0	-1.00	1.13e-04	0.0	10.0	-0.02	9.55	-10.04	-0.42	-1.00	0.97
200	15	0.69	0.0	-2.97e-05	-0.36	0.0	-0.01	7.05	-4.28	-0.17	0.0	0.0
		0.0	-0.43	4.79e-05	0.0	10.0	-0.01	6.69	-4.28	-0.17	-0.43	0.69
200	17	0.69	0.0	-2.97e-05	-0.36	0.0	-0.01	7.05	-4.27	-0.16	0.0	0.0
		0.0	-0.43	4.87e-05	0.0	10.0	-0.01	6.69	-4.27	-0.16	-0.43	0.69
200	18	0.86	0.0	-3.56e-05	-0.36	0.0	-0.02	8.76	-7.73	-0.32	0.0	0.0
		0.0	-0.77	8.76e-05	0.0	10.0	-0.02	8.40	-7.73	-0.32	-0.77	0.86
200	28	1.10	0.20	-3.91e-05	-0.36	0.0	-3.91	11.15	2.00	-1.32	0.0	0.0
		0.0	0.0	8.98e-05	0.0	10.0	-3.91	10.79	2.00	-1.32	0.20	1.10
200	29	0.62	0.0	-3.21e-05	-0.36	0.0	3.88	6.38	-17.47	0.68	0.0	0.0
		0.0	-1.75	8.54e-05	0.0	10.0	3.88	6.02	-17.47	0.68	-1.75	0.62
200	30	0.72	0.0	-3.13e-05	-0.36	0.0	1.51	7.33	-13.22	0.25	0.0	0.0
		0.0	-1.32	5.55e-05	0.0	10.0	1.51	6.97	-13.22	0.25	-1.32	0.72
200	40	1.07	0.16	-3.55e-05	-0.36	0.0	-4.78	10.92	1.63	-1.28	0.0	0.0
		0.0	0.0	4.29e-05	0.0	10.0	-4.78	10.56	1.63	-1.28	0.16	1.07
200	41	0.64	0.0	-3.57e-05	-0.36	0.0	4.75	6.61	-17.10	0.64	0.0	0.0
		0.0	-1.71	1.32e-04	0.0	10.0	4.75	6.25	-17.10	0.64	-1.71	0.64
200	57	0.71	0.0	-3.44e-05	-0.36	0.0	-1.14	7.30	-14.28	0.33	0.0	0.0
		0.0	-1.43	1.29e-04	0.0	10.0	-1.14	6.94	-14.28	0.33	-1.43	0.71
200	60	1.03	0.0	-3.81e-05	-0.36	0.0	-3.00	10.52	-0.49	-1.06	0.0	0.0
		0.0	-0.05	8.58e-05	0.0	10.0	-3.00	10.16	-0.49	-1.06	-0.05	1.03
200	61	0.68	0.0	-3.30e-05	-0.36	0.0	2.97	7.01	-14.98	0.42	0.0	0.0
		0.0	-1.50	8.93e-05	0.0	10.0	2.97	6.65	-14.98	0.42	-1.50	0.68
200	62	0.75	0.0	-3.25e-05	-0.36	0.0	1.16	7.72	-11.78	0.10	0.0	0.0
		0.0	-1.18	6.58e-05	0.0	10.0	1.16	7.35	-11.78	0.10	-1.18	0.75
200	72	1.02	0.0	-3.55e-05	-0.36	0.0	-3.66	10.37	-0.72	-1.04	0.0	0.0
		0.0	-0.07	5.13e-05	0.0	10.0	-3.66	10.01	-0.72	-1.04	-0.07	1.02
200	73	0.70	0.0	-3.56e-05	-0.36	0.0	3.63	7.16	-14.75	0.40	0.0	0.0
		0.0	-1.47	1.24e-04	0.0	10.0	3.63	6.80	-14.75	0.40	-1.47	0.70
200	89	0.73	0.0	-3.45e-05	-0.36	0.0	-1.01	7.47	-13.53	0.25	0.0	0.0
		0.0	-1.35	1.25e-04	0.0	10.0	-1.01	7.11	-13.53	0.25	-1.35	0.73
200	92	1.01	0.0	-3.78e-05	-0.36	0.0	-2.67	10.32	-1.32	-0.98	0.0	0.0
		0.0	-0.13	8.56e-05	0.0	10.0	-2.67	9.96	-1.32	-0.98	-0.13	1.01
200	93	0.70	0.0	-3.33e-05	-0.36	0.0	2.64	7.21	-14.15	0.34	0.0	0.0
		0.0	-1.42	8.95e-05	0.0	10.0	2.64	6.85	-14.15	0.34	-1.42	0.70

200	94	0.77	0.0	-3.29e-05	-0.36	0.0	1.03	7.84	-11.32	0.05	0.0	0.0
		0.0	-1.13	6.85e-05	0.0	10.0	1.03	7.48	-11.32	0.05	-1.13	0.77
200	104	1.00	0.0	-3.55e-05	-0.36	0.0	-3.26	10.19	-1.51	-0.96	0.0	0.0
		0.0	-0.15	5.51e-05	0.0	10.0	-3.26	9.82	-1.51	-0.96	-0.15	1.00
200	105	0.72	0.0	-3.56e-05	-0.36	0.0	3.23	7.34	-13.96	0.32	0.0	0.0
		0.0	-1.40	1.20e-04	0.0	10.0	3.23	6.98	-13.96	0.32	-1.40	0.72
200	124	1.15	0.40	-3.99e-05	-0.36	0.0	-4.63	11.65	4.02	-1.53	0.0	0.0
		0.0	0.0	9.07e-05	0.0	10.0	-4.63	11.29	4.02	-1.53	0.40	1.15
200	125	0.57	0.0	-3.13e-05	-0.36	0.0	4.60	5.88	-19.49	0.89	0.0	0.0
		0.0	-1.95	8.45e-05	0.0	10.0	4.60	5.52	-19.49	0.89	-1.95	0.57
200	126	0.68	0.0	-3.04e-05	-0.36	0.0	1.76	7.03	-14.36	0.37	0.0	0.0
		0.0	-1.44	4.84e-05	0.0	10.0	1.76	6.67	-14.36	0.37	-1.44	0.68
200	136	1.12	0.36	-3.55e-05	-0.36	0.0	-5.71	11.37	3.58	-1.48	0.0	0.0
		0.0	0.0	3.38e-05	0.0	10.0	-5.71	11.01	3.58	-1.48	0.36	1.12
200	137	0.60	0.0	-3.57e-05	-0.36	0.0	5.68	6.16	-19.05	0.84	0.0	0.0
		0.0	-1.91	1.41e-04	0.0	10.0	5.68	5.80	-19.05	0.84	-1.91	0.60
201	2	11.11	-2.27	-5.24e-04	-6.35	0.0	-0.03	10.90	-5.86	0.04	-2.27	1.84
		1.84	-9.30	2.25e-03	0.0	120.0	-0.03	4.55	-5.86	0.04	-9.30	11.11
201	3	4.00	-0.42	-1.78e-04	-3.61	0.0	-0.01	4.63	-1.13	6.58e-03	-0.42	0.61
		0.61	-1.78	3.87e-04	0.0	120.0	-0.01	1.02	-1.13	6.58e-03	-1.78	4.00
201	9	4.58	-0.42	-2.09e-04	-4.33	0.0	-0.01	5.41	-1.12	6.63e-03	-0.42	0.69
		0.69	-1.77	4.04e-04	0.0	120.0	-0.01	1.08	-1.12	6.63e-03	-1.77	4.58
201	10	7.63	-1.57	-3.57e-04	-4.33	0.0	-0.02	7.47	-4.05	0.03	-1.57	1.26
		1.26	-6.42	1.55e-03	0.0	120.0	-0.02	3.14	-4.05	0.03	-6.42	7.63
201	13	4.59	-0.42	-2.09e-04	-4.33	0.0	-9.92e-03	5.42	-1.09	6.85e-03	-0.42	0.69
		0.69	-1.73	4.33e-04	0.0	120.0	-9.92e-03	1.08	-1.09	6.85e-03	-1.73	4.59
201	14	6.11	-1.00	-2.82e-04	-4.33	0.0	-0.01	6.45	-2.55	0.02	-1.00	0.98
		0.98	-4.06	1.01e-03	0.0	120.0	-0.01	2.11	-2.55	0.02	-4.06	6.11
201	17	4.59	-0.42	-2.09e-04	-4.33	0.0	-9.92e-03	5.42	-1.09	6.85e-03	-0.42	0.69
		0.69	-1.73	4.33e-04	0.0	120.0	-9.92e-03	1.08	-1.09	6.85e-03	-1.73	4.59
201	18	5.50	-0.77	-2.53e-04	-4.33	0.0	-0.01	6.03	-1.97	0.01	-0.77	0.86
		0.86	-3.13	7.78e-04	0.0	120.0	-0.01	1.70	-1.97	0.01	-3.13	5.50
201	28	6.79	2.22	-2.78e-04	-4.33	0.0	-2.87	6.93	0.26	0.06	0.23	0.98
		0.98	0.23	1.43e-03	0.0	120.0	-2.87	2.60	0.26	0.06	2.22	6.79
201	29	4.21	-1.76	-2.28e-04	-4.33	0.0	2.85	5.14	-4.20	-0.03	-1.76	0.74
		0.74	-8.48	2.96e-04	0.0	120.0	2.85	0.81	-4.20	-0.03	-8.48	4.21
201	40	6.58	1.66	-2.47e-04	-4.33	0.0	-3.50	6.77	-3.50	0.06	0.24	0.70
		0.70	0.24	7.32e-04	0.0	120.0	-3.50	2.43	-3.50	0.06	1.66	6.58
201	41	4.42	-1.78	-2.61e-04	-4.33	0.0	3.47	5.30	-0.43	-0.03	-1.78	1.03
		1.03	-7.92	8.29e-04	0.0	120.0	3.47	0.97	-0.43	-0.03	-7.92	4.42
201	42	5.95	-0.21	-2.29e-04	-4.33	0.0	-2.31	6.32	-5.28	0.03	-0.21	0.59
		0.59	-0.92	2.93e-04	0.0	120.0	-2.31	1.99	-5.28	0.03	-0.92	5.95
201	60	6.45	0.85	-2.71e-04	-4.33	0.0	-2.20	6.69	-0.31	0.05	-0.04	0.95
		0.95	-0.04	1.23e-03	0.0	120.0	-2.20	2.36	-0.31	0.05	0.85	6.45
201	61	4.55	-1.49	-2.35e-04	-4.33	0.0	2.18	5.38	-3.63	-0.02	-1.49	0.77
		0.77	-7.10	3.96e-04	0.0	120.0	2.18	1.04	-3.63	-0.02	-7.10	4.55
201	72	6.30	0.44	-2.48e-04	-4.33	0.0	-2.69	6.57	-3.11	0.05	-0.04	0.75
		0.75	-0.04	7.10e-04	0.0	120.0	-2.69	2.24	-3.11	0.05	0.44	6.30
201	73	4.70	-1.49	-2.59e-04	-4.33	0.0	2.66	5.49	-0.83	-0.02	-1.49	0.98
		0.98	-6.70	8.45e-04	0.0	120.0	2.66	1.16	-0.83	-0.02	-6.70	4.70
201	74	5.83	-0.38	-2.35e-04	-4.33	0.0	-1.77	6.24	-4.43	0.03	-0.38	0.66
		0.66	-1.47	3.98e-04	0.0	120.0	-1.77	1.91	-4.43	0.03	-1.47	5.83
201	92	6.34	0.40	-2.69e-04	-4.33	0.0	-1.96	6.62	-0.50	0.04	-0.12	0.94
		0.94	-0.12	1.18e-03	0.0	120.0	-1.96	2.28	-0.50	0.04	0.40	6.34
201	93	4.66	-1.41	-2.37e-04	-4.33	0.0	1.93	5.45	-3.44	-0.02	-1.41	0.78
		0.78	-6.65	4.28e-04	0.0	120.0	1.93	1.12	-3.44	-0.02	-6.65	4.66
201	104	6.21	0.04	-2.49e-04	-4.33	0.0	-2.39	6.51	-2.98	0.04	-0.13	0.76
		0.76	-0.13	7.14e-04	0.0	120.0	-2.39	2.18	-2.98	0.04	0.04	6.21
201	105	4.79	-1.41	-2.58e-04	-4.33	0.0	2.37	5.56	-0.96	-0.02	-1.41	0.96
		0.96	-6.29	8.42e-04	0.0	120.0	2.37	1.22	-0.96	-0.02	-6.29	4.79
201	106	5.80	-0.42	-2.37e-04	-4.33	0.0	-1.58	6.22	-4.15	0.03	-0.42	0.69
		0.69	-1.66	4.38e-04	0.0	120.0	-1.58	1.89	-4.15	0.03	-1.66	5.80
201	124	7.06	3.33	-2.84e-04	-4.33	0.0	-3.40	7.11	0.72	0.07	0.44	1.00
		1.00	0.44	1.56e-03	0.0	120.0	-3.40	2.78	0.72	0.07	3.33	7.06
201	125	3.94	-1.97	-2.23e-04	-4.33	0.0	3.37	4.95	-4.66	-0.04	-1.97	0.72
		0.72	-9.59	2.49e-04	0.0	120.0	3.37	0.62	-4.66	-0.04	-9.59	3.94
201	136	6.81	2.65	-2.46e-04	-4.33	0.0	-4.18	6.92	-3.83	0.07	0.47	0.66
		0.66	0.47	7.21e-04	0.0	120.0	-4.18	2.59	-3.83	0.07	2.65	6.81
201	137	4.20	-2.00	-2.63e-04	-4.33	0.0	4.15	5.15	-0.10	-0.04	-2.00	1.06
		1.06	-8.91	8.48e-04	0.0	120.0	4.15	0.82	-0.10	-0.04	-8.91	4.20
201	138	6.04	-0.08	-2.24e-04	-4.33	0.0	-2.77	6.38	-5.97	0.04	-0.08	0.53
		0.53	-0.46	1.95e-04	0.0	120.0	-2.77	2.05	-5.97	0.04	-0.46	6.04
202	2	1.23	1.65	-1.61e-04	0.0	0.0	1.14	-0.78	-5.34	2.56e-04	1.65	1.23
		-0.01	-1.05	1.57e-04	8.47	160.0	1.14	-0.78	3.12	2.56e-04	-0.13	-0.01
202	5	0.12	1.76	-2.12e-04	0.0	0.0	0.03	-0.08	-5.36	-3.28e-04	1.76	0.12

		-1.08e-03	-0.96	9.27e-05	8.47	160.0	0.03	-0.08	3.11	-3.28e-04	-0.05	-1.08e-03
202	7	0.05	1.12	-2.11e-04	0.0	0.0	-0.23	-0.04	-3.19	-3.23e-04	1.12	0.05
		-6.71e-03	-0.57	8.10e-05	4.81	160.0	-0.23	-0.04	1.63	-3.23e-04	-0.14	-6.71e-03
202	8	0.77	1.08	-2.38e-04	0.0	0.0	0.23	-0.49	-3.23	-4.36e-05	1.08	0.77
		-0.02	-0.66	1.45e-04	4.81	160.0	0.23	-0.49	1.58	-4.36e-05	-0.25	-0.02
202	10	0.86	1.15	-1.04e-04	0.0	0.0	0.88	-0.54	-3.66	2.00e-04	1.15	0.86
		-6.56e-03	-0.71	1.11e-04	5.77	160.0	0.88	-0.54	2.11	2.00e-04	-0.09	-6.56e-03
202	11	0.12	1.22	-1.38e-04	0.0	0.0	0.15	-0.07	-3.68	-1.89e-04	1.22	0.12
		-3.91e-04	-0.65	6.74e-05	5.77	160.0	0.15	-0.07	2.10	-1.89e-04	-0.04	-3.91e-04
202	12	0.60	1.20	-1.56e-04	0.0	0.0	0.45	-0.38	-3.71	-2.86e-06	1.20	0.60
		-7.46e-03	-0.70	1.05e-04	5.77	160.0	0.45	-0.38	2.07	-2.86e-06	-0.11	-7.46e-03
202	14	0.60	1.12	-8.93e-06	0.0	0.0	1.12	-0.37	-3.56	2.53e-04	1.12	0.60
		4.41e-03	-0.63	6.82e-05	5.77	160.0	1.12	-0.37	2.22	2.53e-04	0.05	4.41e-03
202	15	0.23	1.15	-1.85e-05	0.0	0.0	0.75	-0.14	-3.56	5.80e-05	1.15	0.23
		7.49e-03	-0.61	4.83e-05	5.77	160.0	0.75	-0.14	2.21	5.80e-05	0.07	7.49e-03
202	17	0.26	1.14	1.14e-05	0.0	0.0	0.91	-0.15	-3.54	1.20e-04	1.14	0.26
		9.46e-03	-0.59	4.36e-05	5.77	160.0	0.91	-0.15	2.24	1.20e-04	0.10	9.46e-03
202	18	0.46	1.13	-4.98e-06	0.0	0.0	1.04	-0.28	-3.55	1.99e-04	1.13	0.46
		6.43e-03	-0.62	5.82e-05	5.77	160.0	1.04	-0.28	2.23	1.99e-04	0.07	6.43e-03
202	19	31.58	4.80	-3.81e-04	0.0	0.0	12.50	-19.07	4.03	0.06	-6.29	31.58
		-0.56	-6.29	-1.17e-03	5.77	160.0	12.50	-19.07	9.81	0.06	4.80	-0.56
202	22	0.58	8.54	3.71e-04	0.0	0.0	-10.43	18.50	-11.13	-0.06	8.54	-30.66
		-30.66	-4.67	1.26e-03	5.77	160.0	-10.43	18.50	-5.36	-0.06	-4.67	0.58
202	28	17.78	8.65	-1.79e-04	0.0	0.0	29.31	-10.82	11.18	0.03	-13.90	17.78
		-1.17	-13.90	-7.44e-04	5.77	160.0	29.31	-10.82	16.96	0.03	8.65	-1.17
202	29	1.19	16.15	1.69e-04	0.0	0.0	-27.23	10.25	-18.28	-0.03	16.15	-16.86
		-16.86	-8.52	8.37e-04	5.77	160.0	-27.23	10.25	-12.51	-0.03	-8.52	1.19
202	51	22.98	3.51	-2.80e-04	0.0	0.0	9.40	-13.87	1.97	0.04	-4.28	22.98
		-0.41	-4.28	-8.38e-04	5.77	160.0	9.40	-13.87	7.75	0.04	3.51	-0.41
202	54	0.42	6.53	2.70e-04	0.0	0.0	-7.33	13.30	-9.07	-0.04	6.53	-22.06
		-22.06	-3.38	9.31e-04	5.77	160.0	-7.33	13.30	-3.30	-0.04	-3.38	0.42
202	60	12.96	6.37	-1.21e-04	0.0	0.0	21.79	-7.88	7.29	0.02	-9.95	12.96
		-0.87	-9.95	-5.25e-04	5.77	160.0	21.79	-7.88	13.07	0.02	6.37	-0.87
202	61	0.88	12.20	-1.13e-04	0.0	0.0	-19.72	7.31	-14.39	-0.02	12.20	-12.03
		-12.03	-6.24	6.18e-04	5.77	160.0	-19.72	7.31	-8.62	-0.02	-6.24	0.88
202	83	20.34	3.11	-2.48e-04	0.0	0.0	8.43	-12.28	1.33	0.04	-3.65	20.34
		-0.36	-3.65	-7.35e-04	5.77	160.0	8.43	-12.28	7.10	0.04	3.11	-0.36
202	86	0.37	5.90	2.38e-04	0.0	0.0	-6.36	11.71	-8.43	-0.04	5.90	-19.42
		-19.42	-2.98	8.28e-04	5.77	160.0	-6.36	11.71	-2.65	-0.04	-2.98	0.37
202	92	11.50	5.65	1.10e-04	0.0	0.0	19.41	-7.00	6.05	0.02	-8.68	11.50
		-0.77	-8.68	-4.58e-04	5.77	160.0	19.41	-7.00	11.82	0.02	5.65	-0.77
202	93	0.78	10.93	-1.02e-04	0.0	0.0	-17.33	6.43	-13.14	-0.02	10.93	-10.57
		-10.57	-5.51	5.52e-04	5.77	160.0	-17.33	6.43	-7.37	-0.02	-5.51	0.78
202	115	38.00	5.77	-4.59e-04	0.0	0.0	14.79	-22.95	5.59	0.07	-7.81	38.00
		-0.68	-7.81	-1.42e-03	5.77	160.0	14.79	-22.95	11.36	0.07	5.77	-0.68
202	118	0.69	10.06	4.49e-04	0.0	0.0	-12.72	22.38	-12.68	-0.07	10.06	-37.08
		-37.08	-5.64	1.51e-03	5.77	160.0	-12.72	22.38	-6.91	-0.07	-5.64	0.69
202	124	21.43	10.45	-2.17e-04	0.0	0.0	35.22	-13.04	14.27	0.03	-17.05	21.43
		-1.41	-17.05	-9.11e-04	5.77	160.0	35.22	-13.04	20.05	0.03	10.45	-1.41
202	125	1.43	19.30	2.07e-04	0.0	0.0	-33.15	12.47	-21.37	-0.03	19.30	-20.51
		-20.51	-10.32	1.00e-03	5.77	160.0	-33.15	12.47	-15.60	-0.03	-10.32	1.43
203	2	1.23	1.33	-2.98e-04	0.0	0.0	4.56	1.44	-3.73	3.44e-03	0.52	-1.08
		-1.08	-0.79	1.96e-04	8.47	160.0	4.56	1.44	4.74	3.44e-03	1.33	1.23
203	5	0.12	1.58	-2.08e-04	0.0	0.0	3.15	0.46	-3.49	2.85e-03	0.39	-0.61
		-0.61	-0.76	5.76e-05	8.47	160.0	3.15	0.46	4.98	2.85e-03	1.58	0.12
203	7	0.06	0.94	-1.99e-04	0.0	0.0	2.25	0.39	-1.99	2.61e-03	0.27	-0.56
		-0.56	-0.38	3.87e-05	4.81	160.0	2.25	0.39	2.82	2.61e-03	0.94	0.06
203	10	0.86	0.92	-2.00e-04	0.0	0.0	3.29	0.99	-2.53	2.32e-03	0.35	-0.73
		-0.73	-0.54	1.31e-04	5.77	160.0	3.29	0.99	3.25	2.32e-03	0.92	0.86
203	11	0.12	1.09	-1.40e-04	0.0	0.0	2.35	0.33	-2.37	1.92e-03	0.26	-0.42
		-0.42	-0.51	3.84e-05	5.77	160.0	2.35	0.33	3.41	1.92e-03	1.09	0.12
203	13	0.26	1.09	-2.16e-05	0.0	0.0	2.36	0.23	-2.31	4.54e-04	0.17	-0.11
		-0.11	-0.57	3.33e-05	5.77	160.0	2.36	0.23	3.47	4.54e-04	1.09	0.26
203	14	0.60	1.01	-7.54e-05	0.0	0.0	2.82	0.58	-2.40	9.45e-04	0.23	-0.33
		-0.33	-0.57	6.86e-05	5.77	160.0	2.82	0.58	3.37	9.45e-04	1.01	0.60
203	15	0.23	1.09	-4.54e-05	0.0	0.0	2.35	0.25	-2.32	7.48e-04	0.19	-0.17
		-0.17	-0.56	3.42e-05	5.77	160.0	2.35	0.25	3.45	7.48e-04	1.09	0.23
203	17	0.26	1.09	-2.16e-05	0.0	0.0	2.36	0.23	-2.31	4.54e-04	0.17	-0.11
		-0.11	-0.57	3.33e-05	5.77	160.0	2.36	0.23	3.47	4.54e-04	1.09	0.26
203	18	0.46	1.04	-5.39e-05	0.0	0.0	2.64	0.44	-2.36	7.49e-04	0.20	-0.24
		-0.24	-0.57	5.04e-05	5.77	160.0	2.64	0.44	3.41	7.49e-04	1.04	0.46
203	19	31.53	-1.38	1.80e-03	0.0	0.0	0.06	20.11	-3.96	0.07	-1.38	2.57
		2.57	-3.06	1.88e-03	5.77	160.0	0.06	20.11	1.81	0.07	-2.33	31.53
203	22	-3.05	4.41	-1.91e-03	0.0	0.0	5.21	-19.23	-0.76	-0.07	1.79	-3.05
		-30.61	1.58	-1.79e-03	5.77	160.0	5.21	-19.23	5.01	-0.07	4.41	-30.61

203	28	17.76	-0.69	3.31e-03	0.0	0.0	7.92	11.24	-6.28	0.04	-0.69	5.27
		5.27	-6.05	2.29e-03	5.77	160.0	7.92	11.24	-0.51	0.04	-6.05	17.76
203	29	-5.75	8.13	-3.42e-03	0.0	0.0	-2.65	-10.36	1.55	-0.03	1.10	-5.75
		-16.84	1.10	-2.19e-03	5.77	160.0	-2.65	-10.36	7.33	-0.03	8.13	-16.84
203	31	30.76	-1.27	1.76e-03	0.0	0.0	10.22	20.32	-4.56	0.06	-1.27	2.21
		2.21	-3.56	2.09e-03	5.77	160.0	10.22	20.32	1.22	0.06	-3.15	30.76
203	34	-2.70	5.24	-1.87e-03	0.0	0.0	-4.95	-19.44	-0.17	-0.06	1.67	-2.70
		-29.83	1.61	-1.99e-03	5.77	160.0	-4.95	-19.44	5.60	-0.06	5.24	-29.83
203	51	22.95	-0.96	1.24e-03	0.0	0.0	0.63	14.77	-3.55	0.05	-0.96	1.87
		1.87	-2.36	1.40e-03	5.77	160.0	0.63	14.77	2.23	0.05	-1.42	22.95
203	54	-2.35	3.51	-1.35e-03	0.0	0.0	4.64	-13.89	-1.18	-0.05	1.37	-2.35
		-22.02	1.04	-1.30e-03	5.77	160.0	4.64	-13.89	4.59	-0.05	3.51	-22.02
203	60	12.94	-0.45	2.36e-03	0.0	0.0	6.54	8.25	-5.28	0.03	-0.45	3.95
		3.95	-4.24	1.71e-03	5.77	160.0	6.54	8.25	0.49	0.03	-4.20	12.94
203	61	-4.44	6.29	-2.47e-03	0.0	0.0	-1.27	-7.37	0.55	-0.03	0.86	-4.44
		-12.02	0.86	-1.61e-03	5.77	160.0	-1.27	-7.37	6.33	-0.03	6.29	-12.02
203	63	22.40	-0.87	1.24e-03	0.0	0.0	8.29	14.92	-3.98	0.05	-0.87	1.63
		1.63	-2.68	1.55e-03	5.77	160.0	8.29	14.92	1.79	0.05	-2.04	22.40
203	66	-2.12	4.12	-1.34e-03	0.0	0.0	-3.02	-14.04	-0.74	-0.05	1.28	-2.12
		-21.48	1.11	-1.45e-03	5.77	160.0	-3.02	-14.04	5.03	-0.05	4.12	-21.48
203	83	20.31	-0.82	1.09e-03	0.0	0.0	0.85	13.10	-3.41	0.05	-0.82	1.63
		1.63	-2.14	1.24e-03	5.77	160.0	0.85	13.10	2.36	0.05	-1.14	20.31
203	86	-2.11	3.22	-1.19e-03	0.0	0.0	4.42	-12.22	-1.32	-0.04	1.23	-2.11
		-19.39	0.86	-1.15e-03	5.77	160.0	4.42	-12.22	4.46	-0.04	3.22	-19.39
203	92	11.48	-0.38	2.08e-03	0.0	0.0	6.10	7.34	-4.95	0.02	-0.38	3.49
		3.49	-3.70	1.52e-03	5.77	160.0	6.10	7.34	0.82	0.02	-3.60	11.48
203	93	-3.97	5.69	-2.19e-03	0.0	0.0	-0.82	-6.46	0.22	-0.02	0.79	-3.97
		-10.56	0.79	-1.43e-03	5.77	160.0	-0.82	-6.46	6.00	-0.02	5.69	-10.56
203	95	19.84	-0.75	1.08e-03	0.0	0.0	7.66	13.24	-3.80	0.04	-0.75	1.42
		1.42	-2.42	1.37e-03	5.77	160.0	7.66	13.24	1.98	0.04	-1.68	19.84
203	98	-1.91	3.77	-1.19e-03	0.0	0.0	-2.38	-12.36	-0.93	-0.04	1.16	-1.91
		-18.92	0.94	-1.28e-03	5.77	160.0	-2.38	-12.36	4.85	-0.04	3.77	-18.92
203	115	37.95	-1.70	2.18e-03	0.0	0.0	-0.42	24.15	-4.30	0.08	-1.70	3.14
		3.14	-3.61	2.26e-03	5.77	160.0	-0.42	24.15	1.48	0.08	-3.02	37.95
203	118	-3.62	5.10	-2.29e-03	0.0	0.0	5.69	-23.27	-0.43	-0.08	2.11	-3.62
		-37.02	1.97	-2.16e-03	5.77	160.0	5.69	-23.27	5.34	-0.08	5.10	-37.02
203	124	21.41	-0.87	4.02e-03	0.0	0.0	8.98	13.49	-7.10	0.04	-0.87	6.37
		6.37	-7.54	2.76e-03	5.77	160.0	8.98	13.49	-1.33	0.04	-7.54	21.41
203	125	-6.86	9.62	-4.13e-03	0.0	0.0	-3.70	-12.61	2.37	-0.04	1.28	-6.86
		-20.48	1.28	-2.66e-03	5.77	160.0	-3.70	-12.61	8.15	-0.04	9.62	-20.48
203	127	37.11	-1.57	2.15e-03	0.0	0.0	11.72	24.47	-5.02	0.08	-1.57	2.69
		2.69	-4.29	2.52e-03	5.77	160.0	11.72	24.47	0.76	0.08	-4.04	37.11
203	130	-3.17	6.12	-2.26e-03	0.0	0.0	-6.45	-23.59	0.29	-0.08	1.98	-3.17
		-36.19	1.96	-2.42e-03	5.77	160.0	-6.45	-23.59	6.07	-0.08	6.12	-36.19
206	1	0.01	1.76	-2.16e-04	0.0	0.0	0.55	2.53e-03	-0.73	-3.30e-04	0.03	4.13e-03
		4.13e-03	-0.30	-1.38e-04	2.53	320.0	0.55	2.53e-03	1.81	-3.30e-04	1.76	0.01
206	2	0.35	1.99	-2.15e-04	0.0	0.0	0.28	0.11	-0.64	1.06e-04	-5.95e-04	-0.01
		-0.01	-0.26	-3.03e-04	2.53	320.0	0.28	0.11	1.89	1.06e-04	1.99	0.35
206	4	0.40	1.45	-2.27e-04	0.0	0.0	0.06	0.13	-0.52	1.16e-04	2.62e-03	-0.02
		-0.02	-0.22	-2.61e-04	1.95	320.0	0.06	0.13	1.43	1.16e-04	1.45	0.40
206	8	0.37	1.38	-4.19e-04	0.0	0.0	-0.05	0.12	-0.55	-1.22e-04	0.03	-0.02
		-0.02	-0.22	-2.11e-04	1.95	320.0	-0.05	0.12	1.40	-1.22e-04	1.38	0.37
206	9	9.70e-03	1.29	-1.34e-04	0.0	0.0	0.44	2.05e-03	-0.58	-2.50e-04	0.02	3.16e-03
		3.16e-03	-0.25	-1.02e-04	1.95	320.0	0.44	2.05e-03	1.37	-2.50e-04	1.29	9.70e-03
206	10	0.23	1.45	-1.34e-04	0.0	0.0	0.26	0.08	-0.52	4.07e-05	2.50e-03	-7.19e-03
		-7.19e-03	-0.22	-2.12e-04	1.95	320.0	0.26	0.08	1.43	4.07e-05	1.45	0.23
206	12	0.22	1.40	-2.62e-04	0.0	0.0	0.19	0.07	-0.54	-1.18e-04	0.02	-8.47e-03
		-8.47e-03	-0.22	-1.79e-04	1.95	320.0	0.19	0.07	1.41	-1.18e-04	1.40	0.22
206	13	9.73e-03	1.29	5.86e-05	0.0	0.0	0.63	-0.02	-0.57	-1.43e-04	7.83e-03	9.73e-03
		-0.07	-0.26	-1.02e-04	1.95	320.0	0.63	-0.02	1.38	-1.43e-04	1.29	-0.07
206	14	0.05	1.37	5.88e-05	0.0	0.0	0.54	0.01	-0.55	2.62e-06	-1.91e-03	4.56e-03
		4.56e-03	-0.24	-1.57e-04	1.95	320.0	0.54	0.01	1.40	2.62e-06	1.37	0.05
206	16	0.03	1.34	-5.67e-06	0.0	0.0	0.51	6.81e-03	-0.56	-9.13e-05	6.71e-03	4.43e-03
		4.43e-03	-0.25	-1.35e-04	1.95	320.0	0.51	6.81e-03	1.39	-9.13e-05	1.34	0.03
206	17	9.73e-03	1.29	5.86e-05	0.0	0.0	0.63	-0.02	-0.57	-1.43e-04	7.83e-03	9.73e-03
		-0.07	-0.26	-1.02e-04	1.95	320.0	0.63	-0.02	1.38	-1.43e-04	1.29	-0.07
206	18	6.63e-03	1.34	5.87e-05	0.0	0.0	0.57	-1.80e-03	-0.56	-5.55e-05	1.99e-03	6.63e-03
		8.64e-04	-0.25	-1.35e-04	1.95	320.0	0.57	-1.80e-03	1.39	-5.55e-05	1.34	8.64e-04
206	19	5.04	1.49	-2.30e-03	0.0	0.0	2.39	1.45	-0.28	-0.04	-0.79	-0.58
		-0.58	-0.85	-2.40e-04	1.95	320.0	2.39	1.45	1.67	-0.04	1.49	5.04
206	22	0.59	1.19	2.41e-03	0.0	0.0	-1.24	-1.46	-0.83	0.04	0.80	0.59
		-5.04	0.20	-1.01e-04	1.95	320.0	-1.24	-1.46	1.12	0.04	1.19	-5.04
206	27	4.67	1.49	-2.13e-03	0.0	0.0	4.50	1.42	-0.27	0.01	-0.82	-0.57
		-0.57	-0.87	-2.64e-04	1.95	320.0	4.50	1.42	1.68	0.01	1.49	4.67
206	28	2.77	1.44	-3.71e-03	0.0	0.0	7.96	0.85	-0.09	0.03	-1.37	-1.19

		-1.19	-1.38	-3.63e-04	1.95	320.0	7.96	0.85	1.86	0.03	1.44	2.77
206	40	-1.31	1.28	-3.47e-03	0.0	0.0	8.03	-0.61	-0.14	0.04	-1.25	-1.31
		-2.06	-1.27	-3.39e-04	1.95	320.0	8.03	-0.61	1.81	0.04	1.28	-2.06
206	41	2.06	1.40	3.59e-03	0.0	0.0	-6.89	0.61	-0.97	-0.04	1.25	1.32
		1.32	0.54	-1.55e-04	1.95	320.0	-6.89	0.61	0.98	-0.04	1.40	2.06
206	51	3.70	1.45	-1.64e-03	0.0	0.0	1.98	1.08	-0.36	-0.03	-0.58	-0.42
		-0.42	-0.67	-2.06e-04	1.95	320.0	1.98	1.08	1.59	-0.03	1.45	3.70
206	54	0.43	1.23	1.75e-03	0.0	0.0	-0.83	-1.08	-0.76	0.03	0.58	0.43
		-3.69	0.09	-9.92e-05	1.95	320.0	-0.83	-1.08	1.19	0.03	1.23	-3.69
206	59	3.46	1.45	-1.46e-03	0.0	0.0	3.51	1.07	-0.35	9.22e-03	-0.60	-0.41
		-0.41	-0.69	-2.24e-04	1.95	320.0	3.51	1.07	1.60	9.22e-03	1.45	3.46
206	60	2.06	1.41	-2.61e-03	0.0	0.0	6.14	0.64	-0.22	0.02	-1.01	-0.88
		-0.88	-1.05	-2.98e-04	1.95	320.0	6.14	0.64	1.73	0.02	1.41	2.06
206	72	-0.97	1.30	-2.48e-03	0.0	0.0	6.24	-0.46	-0.25	0.03	-0.92	-0.97
		-1.51	-0.99	-2.81e-04	1.95	320.0	6.24	-0.46	1.70	0.03	1.30	-1.51
206	73	1.51	1.38	2.60e-03	0.0	0.0	-5.09	0.45	-0.86	-0.03	0.93	0.98
		0.98	0.36	-1.29e-04	1.95	320.0	-5.09	0.45	1.09	-0.03	1.38	1.51
206	83	3.27	1.44	-1.44e-03	0.0	0.0	1.82	0.96	-0.38	-0.03	-0.51	-0.37
		-0.37	-0.62	-1.97e-04	1.95	320.0	1.82	0.96	1.57	-0.03	1.44	3.27
206	86	0.38	1.25	1.55e-03	0.0	0.0	-0.67	-0.96	-0.73	0.03	0.51	0.38
		-3.27	0.06	-1.01e-04	1.95	320.0	-0.67	-0.96	1.22	0.03	1.25	-3.27
206	91	3.07	1.44	-1.28e-03	0.0	0.0	3.18	0.94	-0.37	8.17e-03	-0.53	-0.37
		-0.37	-0.63	-2.12e-04	1.95	320.0	3.18	0.94	1.58	8.17e-03	1.44	3.07
206	92	1.83	1.40	-2.29e-03	0.0	0.0	5.52	0.57	-0.25	0.02	-0.89	-0.78
		-0.78	-0.95	-2.76e-04	1.95	320.0	5.52	0.57	1.69	0.02	1.40	1.83
206	104	-0.86	1.30	-2.18e-03	0.0	0.0	5.61	-0.41	-0.29	0.02	-0.82	-0.86
		-1.33	-0.90	-2.62e-04	1.95	320.0	5.61	-0.41	1.66	0.02	1.30	-1.33
206	105	1.33	1.38	2.30e-03	0.0	0.0	-4.46	0.40	-0.83	-0.02	0.82	0.87
		0.87	0.30	-1.21e-04	1.95	320.0	-4.46	0.40	1.12	-0.02	1.38	1.33
206	115	6.06	1.52	-2.79e-03	0.0	0.0	2.70	1.75	-0.23	-0.05	-0.95	-0.69
		-0.69	-0.99	-2.65e-04	1.95	320.0	2.70	1.75	1.72	-0.05	1.52	6.06
206	118	0.71	1.16	2.91e-03	0.0	0.0	-1.55	-1.75	-0.89	0.05	0.96	0.71
		-6.06	0.28	-1.07e-04	1.95	320.0	-1.55	-1.75	1.06	0.05	1.16	-6.06
206	124	3.31	1.45	-4.55e-03	0.0	0.0	9.47	1.01	5.90e-03	0.04	-1.66	-1.44
		-1.44	-1.66	-4.16e-04	1.95	320.0	9.47	1.01	1.96	0.04	1.45	3.31
206	125	1.45	1.66	4.67e-03	0.0	0.0	-8.32	-1.01	-1.12	-0.04	1.66	1.45
		-3.31	0.65	1.87e-04	1.95	320.0	-8.32	-1.01	0.83	-0.04	1.23	-3.31
206	136	-1.58	1.27	-4.24e-03	0.0	0.0	9.56	-0.74	-0.06	0.05	-1.50	-1.58
		-2.48	-1.51	-3.86e-04	1.95	320.0	9.56	-0.74	1.89	0.05	1.27	-2.48
206	137	2.48	1.51	4.35e-03	0.0	0.0	-8.42	0.73	-1.06	-0.05	1.51	1.59
		1.59	0.68	-1.77e-04	1.95	320.0	-8.42	0.73	0.89	-0.05	1.41	2.48
208	1	0.92	1.22	6.84e-05	0.0	0.0	2.58	-0.84	-4.77	-1.52e-03	1.22	0.92
		-0.43	-0.92	-1.29e-04	8.47	160.0	2.58	-0.84	3.70	-1.52e-03	0.37	-0.43
208	2	1.34	1.10	2.22e-04	0.0	0.0	4.01	-1.50	-4.59	-3.58e-03	1.10	1.34
		-1.06	-0.89	-2.42e-04	8.47	160.0	4.01	-1.50	3.88	-3.58e-03	0.53	-1.06
208	5	1.38	0.95	9.01e-05	0.0	0.0	2.33	-1.25	-4.54	-2.01e-03	0.95	1.38
		-0.62	-1.00	-2.10e-04	8.47	160.0	2.33	-1.25	3.92	-2.01e-03	0.45	-0.62
208	6	1.67	0.86	1.97e-04	0.0	0.0	3.33	-1.71	-4.42	-3.45e-03	0.86	1.67
		-1.06	-0.98	-2.89e-04	8.47	160.0	3.33	-1.71	4.05	-3.45e-03	0.57	-1.06
208	7	1.32	0.34	7.75e-05	0.0	0.0	1.51	-1.18	-2.37	-1.75e-03	0.28	1.32
		-0.58	-0.65	-2.03e-04	4.81	160.0	1.51	-1.18	2.44	-1.75e-03	0.34	-0.58
208	9	0.63	0.86	4.74e-05	0.0	0.0	1.96	-0.58	-3.27	-1.06e-03	0.86	0.63
		-0.30	-0.62	-8.46e-05	5.77	160.0	1.96	-0.58	2.50	-1.06e-03	0.25	-0.30
208	10	0.91	0.78	1.50e-04	0.0	0.0	2.92	-1.02	-3.15	-2.44e-03	0.78	0.91
		-0.72	-0.60	-1.60e-04	5.77	160.0	2.92	-1.02	2.62	-2.44e-03	0.36	-0.72
208	11	0.94	0.68	6.19e-05	0.0	0.0	1.79	-0.85	-3.12	-1.39e-03	0.68	0.94
		-0.43	-0.67	-1.39e-04	5.77	160.0	1.79	-0.85	2.65	-1.39e-03	0.30	-0.43
208	12	1.13	0.62	1.33e-04	0.0	0.0	2.46	-1.16	-3.04	-2.35e-03	0.62	1.13
		-0.72	-0.66	-1.91e-04	5.77	160.0	2.46	-1.16	2.74	-2.35e-03	0.38	-0.72
208	13	0.17	1.14	2.57e-05	0.0	0.0	2.21	-0.17	-3.50	-5.79e-04	1.14	0.17
		-0.11	-0.56	2.22e-05	5.77	160.0	2.21	-0.17	2.28	-5.79e-04	0.16	-0.11
208	14	0.31	1.09	7.68e-05	0.0	0.0	2.69	-0.39	-3.44	-1.26e-03	1.09	0.31
		-0.32	-0.54	-4.13e-05	5.77	160.0	2.69	-0.39	2.34	-1.26e-03	0.22	-0.32
208	15	0.32	1.04	3.29e-05	0.0	0.0	2.13	-0.31	-3.42	-7.41e-04	1.04	0.32
		-0.17	-0.57	-3.07e-05	5.77	160.0	2.13	-0.31	2.35	-7.41e-04	0.19	-0.17
208	16	0.41	1.02	6.36e-05	0.0	0.0	2.42	-0.44	-3.38	-1.15e-03	1.02	0.41
		-0.30	-0.57	-5.33e-05	5.77	160.0	2.42	-0.44	2.39	-1.15e-03	0.22	-0.30
208	17	0.17	1.14	2.57e-05	0.0	0.0	2.21	-0.17	-3.50	-5.79e-04	1.14	0.17
		-0.11	-0.56	2.22e-05	5.77	160.0	2.21	-0.17	2.28	-5.79e-04	0.16	-0.11
208	18	0.25	1.11	5.63e-05	0.0	0.0	2.50	-0.30	-3.46	-9.90e-04	1.11	0.25
		-0.23	-0.54	-2.63e-05	5.77	160.0	2.50	-0.30	2.32	-9.90e-04	0.20	-0.23
208	19	2.74	0.95	-3.69e-03	0.0	0.0	-5.57	21.65	-1.95	0.05	-1.55	-32.05
		-32.05	-1.79	7.04e-04	5.77	160.0	-5.57	21.65	3.82	0.05	0.95	2.74
208	22	32.55	3.77	3.80e-03	0.0	0.0	10.57	-22.25	-4.97	-0.06	3.77	32.55
		-3.20	-0.56	-7.56e-04	5.77	160.0	10.57	-22.25	0.81	-0.06	-0.56	-3.20

208	43	-3.89	6.41	1.12e-03	0.0	0.0	-7.93	18.03	-6.64	0.04	6.41	-26.60
		-26.60	-0.31	2.47e-03	5.77	160.0	-7.93	18.03	-0.86	0.04	-0.31	-3.89
208	46	27.11	0.70	-1.02e-03	0.0	0.0	12.93	-18.64	-0.28	-0.04	-4.19	27.11
		3.42	-4.19	-2.52e-03	5.77	160.0	12.93	-18.64	5.49	-0.04	0.70	3.42
208	48	11.88	1.13	-3.24e-03	0.0	0.0	9.05	-8.44	1.24	-0.02	-6.84	11.88
		6.19	-6.84	-2.46e-03	5.77	160.0	9.05	-8.44	7.02	-0.02	1.13	6.19
208	49	-6.66	9.06	3.35e-03	0.0	0.0	-4.04	7.84	-8.16	0.02	9.06	-11.38
		-11.38	-0.74	2.41e-03	5.77	160.0	-4.04	7.84	-2.39	0.02	-0.74	-6.66
208	51	2.02	0.76	-2.65e-03	0.0	0.0	-3.64	15.68	-2.33	0.04	-0.87	-23.12
		-23.12	-1.35	5.03e-04	5.77	160.0	-3.64	15.68	3.44	0.04	0.76	2.02
208	54	23.63	3.09	2.76e-03	0.0	0.0	8.64	-16.29	-4.59	-0.04	3.09	23.63
		-2.49	-0.44	-5.55e-04	5.77	160.0	8.64	-16.29	1.19	-0.04	-0.37	-2.49
208	75	-3.00	5.09	8.22e-04	0.0	0.0	-5.34	13.03	-5.85	0.03	5.09	-19.13
		-19.13	-0.19	1.84e-03	5.77	160.0	-5.34	13.03	-0.08	0.03	-0.19	-3.00
208	78	19.64	0.58	-7.25e-04	0.0	0.0	10.34	-13.64	-1.06	-0.03	-2.87	19.64
		2.53	-2.95	-1.89e-03	5.77	160.0	10.34	-13.64	4.71	-0.03	0.58	2.53
208	80	8.62	0.90	-2.32e-03	0.0	0.0	7.43	-6.21	0.08	-0.02	-4.85	8.62
		4.64	-4.85	-1.86e-03	5.77	160.0	7.43	-6.21	5.85	-0.02	0.90	4.64
208	81	-5.11	7.07	2.44e-03	0.0	0.0	-2.43	5.60	-7.00	0.01	7.07	-8.11
		-8.11	-0.51	1.81e-03	5.77	160.0	-2.43	5.60	-1.22	0.01	-0.51	-5.11
208	83	1.77	0.70	-2.33e-03	0.0	0.0	-2.95	13.82	-2.46	0.03	-0.65	-20.38
		-20.38	-1.23	4.41e-04	5.77	160.0	-2.95	13.82	3.32	0.03	0.70	1.77
208	86	20.88	2.87	2.44e-03	0.0	0.0	7.95	-14.42	-4.46	-0.04	2.87	20.88
		-2.24	-0.42	-4.93e-04	5.77	160.0	7.95	-14.42	1.32	-0.04	-0.31	-2.24
208	107	-2.69	4.64	7.32e-04	0.0	0.0	-4.46	11.47	-5.59	0.03	4.64	-16.86
		-16.86	-0.15	1.62e-03	5.77	160.0	-4.46	11.47	0.19	0.03	-0.15	-2.69
208	110	17.36	0.54	-6.35e-04	0.0	0.0	9.46	-12.08	-1.33	-0.03	-2.42	17.36
		2.23	-2.57	-1.68e-03	5.77	160.0	9.46	-12.08	4.44	-0.03	0.54	2.23
208	112	7.63	0.82	-2.04e-03	0.0	0.0	6.88	-5.52	-0.32	-0.01	-4.18	7.63
		4.10	-4.18	-1.66e-03	5.77	160.0	6.88	-5.52	5.45	-0.01	0.82	4.10
208	113	-4.57	6.40	2.16e-03	0.0	0.0	-1.87	4.91	-6.60	0.01	6.40	-7.12
		-7.12	-0.43	1.60e-03	5.77	160.0	-1.87	4.91	-0.82	0.01	-0.43	-4.57
208	115	3.30	1.09	-4.46e-03	0.0	0.0	-7.00	26.16	-1.64	0.06	-2.10	-38.72
		-38.72	-2.21	8.53e-04	5.77	160.0	-7.00	26.16	4.14	0.06	1.09	3.30
208	118	39.22	4.32	4.57e-03	0.0	0.0	12.00	-26.77	-5.28	-0.07	4.32	39.22
		-3.77	-0.70	-9.06e-04	5.77	160.0	12.00	-26.77	0.49	-0.07	-0.70	-3.77
208	139	-4.66	7.52	1.35e-03	0.0	0.0	-10.01	21.85	-7.30	0.05	7.52	-32.21
		-32.21	-0.41	2.99e-03	5.77	160.0	-10.01	21.85	-1.53	0.05	-0.41	-4.66
208	142	32.71	0.80	-1.25e-03	0.0	0.0	15.01	-22.46	0.38	-0.05	-5.30	32.71
		4.20	-5.30	-3.04e-03	5.77	160.0	15.01	-22.46	6.16	-0.05	0.80	4.20
208	144	14.32	1.31	-3.93e-03	0.0	0.0	10.42	-10.15	2.23	-0.02	-8.51	14.32
		7.51	-8.51	-2.98e-03	5.77	160.0	10.42	-10.15	8.00	-0.02	1.31	7.51
208	145	-7.97	10.73	4.04e-03	0.0	0.0	-5.41	9.55	-9.14	0.02	10.73	-13.82
		-13.82	-0.92	2.92e-03	5.77	160.0	-5.41	9.55	-3.37	0.02	-0.92	-7.97
209	1	0.12	-3.88e-04	1.98e-05	-0.67	0.0	17.08	0.92	2.42e-04	-0.01	-7.75e-04	-0.82
		-0.82	-7.75e-04	-9.95e-05	0.0	160.0	17.08	0.26	2.42e-04	-0.01	-3.88e-04	0.12
209	2	0.47	-0.01	9.85e-05	-0.67	0.0	17.30	0.71	6.38e-03	-0.02	-0.02	-0.13
		-0.13	-0.02	-7.06e-05	0.0	160.0	17.30	0.04	6.38e-03	-0.02	-0.01	0.47
209	7	0.10	0.02	3.86e-05	-0.51	0.0	12.96	0.71	-6.72e-03	-0.01	0.02	-0.62
		-0.62	0.01	-1.48e-04	0.0	160.0	12.96	0.19	-6.72e-03	-0.01	0.01	0.10
209	9	0.09	-1.22e-03	1.36e-05	-0.51	0.0	13.16	0.71	7.64e-04	-7.95e-03	-2.45e-03	-0.63
		-0.63	-2.45e-03	-6.73e-05	0.0	160.0	13.16	0.20	7.64e-04	-7.95e-03	-1.22e-03	0.09
209	10	0.32	-7.77e-03	6.60e-05	-0.51	0.0	13.31	0.57	4.86e-03	-0.02	-0.02	-0.17
		-0.17	-0.02	-4.80e-05	0.0	160.0	13.31	0.05	4.86e-03	-0.02	-7.77e-03	0.32
209	11	0.10	7.89e-03	2.42e-05	-0.51	0.0	13.07	0.71	-2.47e-03	-0.01	7.89e-03	-0.63
		-0.63	3.95e-03	-1.04e-04	0.0	160.0	13.07	0.20	-2.47e-03	-0.01	3.95e-03	0.10
209	13	0.09	-8.98e-03	2.91e-06	-0.51	0.0	13.29	0.71	5.61e-03	-3.65e-03	-0.02	-0.64
		-0.64	-0.02	-1.26e-05	0.0	160.0	13.29	0.20	5.61e-03	-3.65e-03	-8.98e-03	0.09
209	14	0.20	-0.01	2.38e-05	-0.51	0.0	13.36	0.64	7.66e-03	-7.67e-03	-0.02	-0.41
		-0.41	-0.02	-2.92e-06	0.0	160.0	13.36	0.13	7.66e-03	-7.67e-03	-0.01	0.20
209	15	0.09	-6.39e-03	4.48e-06	-0.51	0.0	13.24	0.71	4.00e-03	-5.08e-03	-0.01	-0.64
		-0.64	-0.01	-3.08e-05	0.0	160.0	13.24	0.20	4.00e-03	-5.08e-03	-6.39e-03	0.09
209	17	0.09	-8.98e-03	2.91e-06	-0.51	0.0	13.29	0.71	5.61e-03	-3.65e-03	-0.02	-0.64
		-0.64	-0.02	-1.26e-05	0.0	160.0	13.29	0.20	5.61e-03	-3.65e-03	-8.98e-03	0.09
209	18	0.16	-0.01	1.33e-05	-0.51	0.0	13.33	0.67	6.84e-03	-6.06e-03	-0.02	-0.50
		-0.50	-0.02	-6.78e-06	0.0	160.0	13.33	0.16	6.84e-03	-6.06e-03	-0.01	0.16
209	27	6.44	-0.68	3.89e-04	-0.51	0.0	11.21	-1.50	-0.07	0.22	-0.82	6.44
		3.64	-0.82	5.02e-04	0.0	160.0	11.21	-2.01	-0.07	0.22	-0.68	3.64
209	30	-3.32	0.78	-3.63e-04	-0.51	0.0	15.45	2.83	0.08	-0.23	0.78	-7.45
		-7.45	0.66	-5.15e-04	0.0	160.0	15.45	2.32	0.08	-0.23	0.66	-3.32
209	44	-2.15	0.56	1.20e-03	-0.51	0.0	6.14	2.10	-0.10	-0.09	0.56	-5.10
		-5.10	0.26	-2.63e-04	0.0	160.0	6.14	1.59	-0.10	-0.09	0.26	-2.15
209	45	4.10	-0.29	-1.17e-03	-0.51	0.0	20.53	-0.76	0.12	0.08	-0.60	4.10
		2.47	-0.60	2.51e-04	0.0	160.0	20.53	-1.28	0.12	0.08	-0.29	2.47
209	47	7.06	-0.56	-7.74e-04	-0.51	0.0	18.07	-1.69	0.06	0.21	-0.68	7.06

		3.95	-0.68	3.42e-04	0.0	160.0	18.07	-2.20	0.06	0.21	-0.56	3.95
209	50	-3.63	0.64	8.01e-04	-0.51	0.0	8.59	3.02	-0.05	-0.22	0.64	-8.06
		-8.06	0.54	-3.51e-04	0.0	160.0	8.59	2.51	-0.05	-0.22	0.54	-3.63
209	59	4.58	-0.50	2.95e-04	-0.51	0.0	11.73	-0.92	-0.05	0.16	-0.62	4.58
		2.71	-0.62	3.45e-04	0.0	160.0	11.73	-1.43	-0.05	0.16	-0.50	2.71
209	62	-2.39	0.57	-2.68e-04	-0.51	0.0	14.93	2.25	0.07	-0.17	0.57	-5.59
		-5.59	0.48	-3.56e-04	0.0	160.0	14.93	1.74	0.07	-0.17	0.48	-2.39
209	76	-1.56	0.42	9.10e-04	-0.51	0.0	7.87	1.74	-0.08	-0.07	0.42	-3.94
		-3.94	0.20	-2.40e-04	0.0	160.0	7.87	1.23	-0.08	-0.07	0.20	-1.56
209	77	2.93	-0.22	-8.83e-04	-0.51	0.0	18.79	-0.40	0.10	0.06	-0.46	2.93
		1.88	-0.46	2.27e-04	0.0	160.0	18.79	-0.91	0.10	0.06	-0.22	1.88
209	79	5.11	-0.42	-5.82e-04	-0.51	0.0	16.93	-1.08	0.05	0.15	-0.52	5.11
		2.97	-0.52	2.80e-04	0.0	160.0	16.93	-1.59	0.05	0.15	-0.42	2.97
209	82	-2.65	0.48	6.09e-04	-0.51	0.0	9.73	2.42	-0.04	-0.16	0.48	-6.11
		-6.11	0.40	-2.91e-04	0.0	160.0	9.73	1.90	-0.04	-0.16	0.40	-2.65
209	91	4.00	-0.45	2.63e-04	-0.51	0.0	11.91	-0.73	-0.04	0.14	-0.55	4.00
		2.41	-0.55	3.02e-04	0.0	160.0	11.91	-1.25	-0.04	0.14	-0.45	2.41
209	94	-2.09	0.51	-2.36e-04	-0.51	0.0	14.75	2.07	0.06	-0.15	0.51	-5.00
		-5.00	0.43	-3.14e-04	0.0	160.0	14.75	1.56	0.06	-0.15	0.43	-2.09
209	108	-1.37	0.37	8.09e-04	-0.51	0.0	8.48	1.62	-0.07	-0.06	0.37	-3.55
		-3.55	0.17	-2.18e-04	0.0	160.0	8.48	1.11	-0.07	-0.06	0.17	-1.37
209	109	2.54	-0.19	-7.83e-04	-0.51	0.0	18.18	-0.28	0.09	0.05	-0.41	2.54
		1.69	-0.41	2.05e-04	0.0	160.0	18.18	-0.79	0.09	0.05	-0.19	1.69
209	111	4.47	-0.37	-5.15e-04	-0.51	0.0	16.53	-0.88	0.05	0.13	-0.47	4.47
		2.65	-0.47	2.50e-04	0.0	160.0	16.53	-1.39	0.05	0.13	-0.37	2.65
209	114	-2.33	0.42	5.42e-04	-0.51	0.0	10.13	2.22	-0.03	-0.14	0.42	-5.47
		-5.47	0.35	-2.61e-04	0.0	160.0	10.13	1.71	-0.03	-0.14	0.35	-2.33
209	123	7.89	-0.81	4.69e-04	-0.51	0.0	10.78	-1.95	-0.08	0.27	-0.99	7.89
		4.36	-0.99	6.25e-04	0.0	160.0	10.78	-2.46	-0.08	0.27	-0.81	4.36
209	126	-4.04	0.94	-4.42e-04	-0.51	0.0	15.88	3.29	0.10	-0.28	0.94	-8.89
		-8.89	0.79	-6.39e-04	0.0	160.0	15.88	2.77	0.10	-0.28	0.79	-4.04
209	140	-2.63	0.67	1.45e-03	-0.51	0.0	4.65	2.40	-0.12	-0.11	0.67	-6.06
		-6.06	0.32	-3.02e-04	0.0	160.0	4.65	1.89	-0.12	-0.11	0.32	-2.63
209	141	5.06	-0.34	-1.42e-03	-0.51	0.0	22.01	-1.06	0.14	0.10	-0.71	5.06
		2.95	-0.71	2.91e-04	0.0	160.0	22.01	-1.58	0.14	0.10	-0.34	2.95
209	143	8.63	-0.67	-9.39e-04	-0.51	0.0	19.04	-2.18	0.07	0.25	-0.81	8.63
		4.74	-0.81	4.08e-04	0.0	160.0	19.04	-2.69	0.07	0.25	-0.67	4.74
209	146	-4.42	0.77	9.65e-04	-0.51	0.0	7.62	3.51	-0.05	-0.26	0.77	-9.63
		-9.63	0.65	-4.17e-04	0.0	160.0	7.62	3.00	-0.05	-0.26	0.65	-4.42
210	1	0.74	0.0	1.85e-04	-2.00	0.0	16.99	0.79	-1.12e-04	4.01e-04	0.0	0.0
		-1.01	-5.35e-04	-2.95e-04	0.0	480.0	16.99	-1.21	-1.12e-04	4.01e-04	-5.35e-04	-1.01
210	2	0.80	0.0	-1.52e-04	-2.00	0.0	16.76	0.82	-4.01e-03	-1.75e-03	0.0	0.0
		-0.87	-0.02	-8.53e-05	0.0	480.0	16.76	-1.18	-4.01e-03	-1.75e-03	-0.02	-0.87
210	6	0.81	2.01e-03	-1.40e-04	-2.00	0.0	16.72	0.82	4.19e-04	-3.69e-03	0.0	0.0
		-0.85	0.0	-4.13e-04	0.0	480.0	16.72	-1.18	4.19e-04	-3.69e-03	2.01e-03	-0.85
210	7	0.62	0.02	1.24e-04	-1.54	0.0	12.94	0.63	4.55e-03	-2.98e-03	0.0	0.0
		-0.66	0.0	-5.86e-04	0.0	480.0	12.94	-0.91	4.55e-03	-2.98e-03	0.02	-0.66
210	8	0.66	8.71e-03	-1.35e-04	-1.54	0.0	12.78	0.65	1.82e-03	-4.49e-03	0.0	0.0
		-0.56	0.0	-4.39e-04	0.0	480.0	12.78	-0.89	1.82e-03	-4.49e-03	8.71e-03	-0.56
210	9	0.57	0.0	1.34e-04	-1.54	0.0	13.09	0.61	-4.82e-04	7.88e-04	0.0	0.0
		-0.77	-2.32e-03	-1.87e-04	0.0	480.0	13.09	-0.93	-4.82e-04	7.88e-04	-2.32e-03	-0.77
210	10	0.61	0.0	-1.14e-04	-1.54	0.0	12.94	0.63	-3.08e-03	-6.44e-04	0.0	0.0
		-0.68	-0.01	-4.73e-05	0.0	480.0	12.94	-0.91	-3.08e-03	-6.44e-04	-0.01	-0.68
210	11	0.59	8.12e-03	1.34e-04	-1.54	0.0	13.02	0.62	1.69e-03	-9.35e-04	0.0	0.0
		-0.73	0.0	-3.64e-04	0.0	480.0	13.02	-0.92	1.69e-03	-9.35e-04	8.12e-03	-0.73
210	12	0.62	0.0	-1.07e-04	-1.54	0.0	12.91	0.63	-1.29e-04	-1.94e-03	0.0	0.0
		-0.67	-6.19e-04	-2.66e-04	0.0	480.0	12.91	-0.91	-1.29e-04	-1.94e-03	-6.19e-04	-0.67
210	13	0.55	0.0	1.34e-04	-1.54	0.0	13.20	0.59	-3.74e-03	3.37e-03	0.0	0.0
		-0.83	-0.02	7.82e-05	0.0	480.0	13.20	-0.94	-3.74e-03	3.37e-03	-0.02	-0.83
210	14	0.57	0.0	9.89e-05	-1.54	0.0	13.12	0.60	-5.05e-03	2.66e-03	0.0	0.0
		-0.79	-0.02	1.48e-04	0.0	480.0	13.12	-0.93	-5.05e-03	2.66e-03	-0.02	-0.79
210	15	0.56	0.0	1.34e-04	-1.54	0.0	13.16	0.60	-2.66e-03	2.51e-03	0.0	0.0
		-0.81	-0.01	-1.02e-05	0.0	480.0	13.16	-0.94	-2.66e-03	2.51e-03	-0.01	-0.81
210	16	0.57	0.0	1.13e-04	-1.54	0.0	13.12	0.60	-3.44e-03	2.08e-03	0.0	0.0
		-0.78	-0.02	3.60e-05	0.0	480.0	13.12	-0.93	-3.44e-03	2.08e-03	-0.02	-0.78
210	17	0.55	0.0	1.34e-04	-1.54	0.0	13.20	0.59	-3.74e-03	3.37e-03	0.0	0.0
		-0.83	-0.02	7.82e-05	0.0	480.0	13.20	-0.94	-3.74e-03	3.37e-03	-0.02	-0.83
210	18	0.56	0.0	1.13e-04	-1.54	0.0	13.15	0.60	-4.52e-03	2.94e-03	0.0	0.0
		-0.81	-0.02	1.20e-04	0.0	480.0	13.15	-0.94	-4.52e-03	2.94e-03	-0.02	-0.81
210	27	2.20	0.0	-5.39e-04	-1.54	0.0	5.69	1.19	-0.17	-0.10	0.0	0.0
		0.0	-0.82	3.28e-03	0.0	480.0	5.69	-0.35	-0.17	-0.10	-0.82	2.01
210	30	0.0	0.77	4.74e-04	-1.54	0.0	20.61	0.01	0.16	0.10	0.0	0.0
		-3.62	0.0	-3.05e-03	0.0	480.0	20.61	-1.52	0.16	0.10	0.77	-3.62
210	31	2.09	0.0	-5.15e-04	-1.54	0.0	5.68	1.16	-0.17	-0.05	0.0	0.0
		0.0	-0.80	3.78e-03	0.0	480.0	5.68	-0.38	-0.17	-0.05	-0.80	1.86

210	34	0.0	0.76	4.52e-04	-1.54	0.0	20.62	0.04	0.16	0.06	0.0	0.0
		-3.47	0.0	-3.54e-03	0.0	480.0	20.62	-1.49	0.16	0.06	0.76	-3.47
210	48	7.20	0.25	-1.23e-03	-1.54	0.0	16.49	2.27	0.05	-0.09	0.0	0.0
		0.0	0.0	1.85e-03	0.0	480.0	16.49	0.73	0.05	-0.09	0.25	7.20
210	49	0.0	0.0	1.14e-03	-1.54	0.0	9.82	-1.07	-0.06	0.10	0.0	0.0
		-8.81	-0.29	-1.61e-03	0.0	480.0	9.82	-2.60	-0.06	0.10	-0.29	-8.81
210	59	1.66	0.0	-4.08e-04	-1.54	0.0	7.71	1.03	-0.13	-0.07	0.0	0.0
		0.0	-0.61	2.31e-03	0.0	480.0	7.71	-0.51	-0.13	-0.07	-0.61	1.26
210	62	0.04	0.57	3.50e-04	-1.54	0.0	18.60	0.17	0.12	0.08	0.0	0.0
		-2.87	0.0	-2.08e-03	0.0	480.0	18.60	-1.37	0.12	0.08	0.57	-2.87
210	63	1.58	0.0	-3.91e-04	-1.54	0.0	7.71	1.01	-0.13	-0.04	0.0	0.0
		0.0	-0.60	2.70e-03	0.0	480.0	7.71	-0.53	-0.13	-0.04	-0.60	1.15
210	66	0.06	0.56	3.34e-04	-1.54	0.0	18.60	0.19	0.12	0.04	0.0	0.0
		-2.76	0.0	-2.46e-03	0.0	480.0	18.60	-1.34	0.12	0.04	0.56	-2.76
210	80	5.20	0.19	-9.38e-04	-1.54	0.0	15.61	1.85	0.04	-0.07	0.0	0.0
		0.0	0.0	1.23e-03	0.0	480.0	15.61	0.32	0.04	-0.07	0.19	5.20
210	81	0.0	0.0	8.48e-04	-1.54	0.0	10.69	-0.65	-0.05	0.07	0.0	0.0
		-6.81	-0.23	-9.85e-04	0.0	480.0	10.69	-2.19	-0.05	0.07	-0.23	-6.81
210	91	1.50	0.0	-3.68e-04	-1.54	0.0	8.34	0.98	-0.11	-0.06	0.0	0.0
		0.0	-0.54	2.05e-03	0.0	480.0	8.34	-0.56	-0.11	-0.06	-0.54	1.02
210	94	0.07	0.50	3.11e-04	-1.54	0.0	17.97	0.22	0.10	0.07	0.0	0.0
		-2.63	0.0	-1.81e-03	0.0	480.0	17.97	-1.32	0.10	0.07	0.50	-2.63
210	95	1.44	0.0	-3.53e-04	-1.54	0.0	8.34	0.96	-0.11	-0.03	0.0	0.0
		0.0	-0.54	2.39e-03	0.0	480.0	8.34	-0.58	-0.11	-0.03	-0.54	0.92
210	98	0.09	0.49	2.98e-04	-1.54	0.0	17.97	0.24	0.10	0.04	0.0	0.0
		-2.53	0.0	-2.15e-03	0.0	480.0	17.97	-1.30	0.10	0.04	0.49	-2.53
210	112	4.52	0.17	-8.38e-04	-1.54	0.0	15.33	1.71	0.03	-0.06	0.0	0.0
		0.0	0.0	1.08e-03	0.0	480.0	15.33	0.17	0.03	-0.06	0.17	4.52
210	113	0.0	0.0	7.49e-04	-1.54	0.0	10.98	-0.51	-0.04	0.06	0.0	0.0
		-6.13	-0.21	-8.41e-04	0.0	480.0	10.98	-2.05	-0.04	0.06	-0.21	-6.13
210	123	2.69	0.0	-6.41e-04	-1.54	0.0	4.17	1.31	-0.20	-0.11	0.0	0.0
		0.0	-0.98	4.10e-03	0.0	480.0	4.17	-0.22	-0.20	-0.11	-0.98	2.61
210	126	0.0	0.93	5.75e-04	-1.54	0.0	22.14	-0.11	0.19	0.12	0.0	0.0
		-4.22	0.0	-3.86e-03	0.0	480.0	22.14	-1.65	0.19	0.12	0.93	-4.22
210	127	2.53	0.0	-6.12e-04	-1.54	0.0	4.15	1.27	-0.20	-0.06	0.0	0.0
		0.0	-0.96	4.69e-03	0.0	480.0	4.15	-0.26	-0.20	-0.06	-0.96	2.42
210	130	0.0	0.92	5.46e-04	-1.54	0.0	22.16	-0.07	0.19	0.07	0.0	0.0
		-4.03	0.0	-4.45e-03	0.0	480.0	22.16	-1.61	0.19	0.07	0.92	-4.03
210	144	8.87	0.29	-1.48e-03	-1.54	0.0	17.19	2.62	0.06	-0.11	0.0	0.0
		0.0	0.0	2.31e-03	0.0	480.0	17.19	1.08	0.06	-0.11	0.29	8.87
210	145	0.0	0.0	1.39e-03	-1.54	0.0	9.12	-1.42	-0.07	0.11	0.0	0.0
		-10.48	-0.34	-2.07e-03	0.0	480.0	9.12	-2.95	-0.07	0.11	-0.34	-10.48
211	2	27.12	4.63	-1.46e-03	-0.95	0.0	-0.01	20.01	3.86	0.01	-4.55e-03	3.68
		3.68	-4.55e-03	-4.67e-04	0.0	120.0	-0.01	19.06	3.86	0.01	4.63	27.12
211	3	5.41	0.93	-2.94e-04	-0.73	0.0	-3.86e-03	4.25	0.78	2.37e-03	-7.77e-04	0.74
		0.74	-7.77e-04	-9.45e-05	0.0	120.0	-3.86e-03	3.52	0.78	2.37e-03	0.93	5.41
211	9	5.42	0.94	-2.94e-04	-0.73	0.0	-3.45e-03	4.26	0.78	2.55e-03	-1.34e-03	0.75
		0.75	-1.34e-03	-9.66e-05	0.0	120.0	-3.45e-03	3.53	0.78	2.55e-03	0.94	5.42
211	10	18.78	3.20	-1.01e-03	-0.73	0.0	-9.60e-03	13.89	2.67	8.15e-03	-3.16e-03	2.55
		2.55	-3.16e-03	-3.23e-04	0.0	120.0	-9.60e-03	13.16	2.67	8.15e-03	3.20	18.78
211	13	5.39	0.93	-2.93e-04	-0.73	0.0	-2.55e-03	4.24	0.78	2.69e-03	-2.04e-03	0.74
		0.74	-2.04e-03	-9.75e-05	0.0	120.0	-2.55e-03	3.51	0.78	2.69e-03	0.93	5.39
211	14	12.07	2.06	-6.51e-04	-0.73	0.0	-5.63e-03	9.05	1.72	5.49e-03	-2.95e-03	1.65
		1.65	-2.95e-03	-2.11e-04	0.0	120.0	-5.63e-03	8.32	1.72	5.49e-03	2.06	12.07
211	17	5.39	0.93	-2.93e-04	-0.73	0.0	-2.55e-03	4.24	0.78	2.69e-03	-2.04e-03	0.74
		0.74	-2.04e-03	-9.75e-05	0.0	120.0	-2.55e-03	3.51	0.78	2.69e-03	0.93	5.39
211	18	9.40	1.61	-5.08e-04	-0.73	0.0	-4.40e-03	7.13	1.34	4.37e-03	-2.58e-03	1.29
		1.29	-2.58e-03	-1.65e-04	0.0	120.0	-4.40e-03	6.40	1.34	4.37e-03	1.61	9.40
211	28	0.17	3.87	1.72e-04	-0.73	0.0	-1.42	-2.31	3.40	0.02	-0.35	0.17
		-2.99	-0.35	-1.97e-03	0.0	120.0	-1.42	-3.04	3.40	0.02	3.87	-2.99
211	29	21.79	0.35	-1.19e-03	-0.73	0.0	1.41	16.57	-0.71	-9.45e-03	0.35	2.40
		2.40	-0.65	1.64e-03	0.0	120.0	1.41	15.84	-0.71	-9.45e-03	-0.65	21.79
211	35	14.59	0.53	-7.92e-04	-0.73	0.0	5.74	11.01	0.27	0.01	0.39	1.95
		1.95	0.39	6.80e-04	0.0	120.0	5.74	10.28	0.27	0.01	0.53	14.59
211	38	4.21	2.69	-2.24e-04	-0.73	0.0	-5.75	3.24	2.42	-4.27e-03	-0.39	0.62
		0.62	-0.39	-1.01e-03	0.0	120.0	-5.75	2.51	2.42	-4.27e-03	2.69	4.21
211	60	0.49	3.31	-9.88e-06	-0.73	0.0	-1.17	0.16	2.89	0.02	-0.27	0.45
		0.25	-0.27	-1.50e-03	0.0	120.0	-1.17	-0.57	2.89	0.02	3.31	0.25
211	61	18.55	0.27	-1.01e-03	-0.73	0.0	1.17	14.09	-0.20	-6.34e-03	0.27	2.12
		2.12	-0.09	1.17e-03	0.0	120.0	1.17	13.36	-0.20	-6.34e-03	-0.09	18.55
211	67	13.28	0.80	-7.21e-04	-0.73	0.0	4.65	10.03	0.53	0.01	0.31	1.81
		1.81	0.31	4.71e-04	0.0	120.0	4.65	9.29	0.53	0.01	0.80	13.28
211	70	5.52	2.42	-2.95e-04	-0.73	0.0	-4.66	4.23	2.16	-2.13e-03	-0.32	0.76
		0.76	-0.32	-8.01e-04	0.0	120.0	-4.66	3.50	2.16	-2.13e-03	2.42	5.52
211	72	1.57	3.21	-7.87e-05	-0.73	0.0	-4.53	1.22	2.86	3.67e-03	-0.41	0.43

		0.43	-0.41	-1.39e-03	0.0	120.0	-4.53	0.49	2.86	3.67e-03	3.21	1.57
211	92	1.30	3.12	-6.34e-05	-0.73	0.0	-1.05	0.96	2.72	0.01	-0.24	0.55
		0.55	-0.24	-1.35e-03	0.0	120.0	-1.05	0.23	2.72	0.01	3.12	1.30
211	93	17.50	0.24	-9.52e-04	-0.73	0.0	1.04	13.30	-0.03	-5.17e-03	0.24	2.02
		2.02	0.10	1.02e-03	0.0	120.0	1.04	12.56	-0.03	-5.17e-03	0.10	17.50
211	99	12.84	0.89	-6.97e-04	-0.73	0.0	4.14	9.70	0.62	0.01	0.28	1.75
		1.75	0.28	3.99e-04	0.0	120.0	4.14	8.97	0.62	0.01	0.89	12.84
211	102	5.96	2.33	-3.19e-04	-0.73	0.0	-4.15	4.56	2.07	-1.39e-03	-0.28	0.82
		0.82	-0.28	-7.30e-04	0.0	120.0	-4.15	3.83	2.07	-1.39e-03	2.33	5.96
211	104	2.46	3.03	-1.28e-04	-0.73	0.0	-4.03	1.89	2.69	3.77e-03	-0.37	0.52
		0.52	-0.37	-1.25e-03	0.0	120.0	-4.03	1.16	2.69	3.77e-03	3.03	2.46
211	124	-0.05	4.33	3.13e-04	-0.73	0.0	-1.59	-4.28	3.81	0.02	-0.42	-0.05
		-5.57	-0.42	-2.35e-03	0.0	120.0	-1.59	-5.01	3.81	0.02	4.33	-5.57
211	125	24.37	0.42	-1.33e-03	-0.73	0.0	1.58	18.54	-1.12	-0.01	0.42	2.62
		2.62	-1.11	2.02e-03	0.0	120.0	1.58	17.80	-1.12	-0.01	-1.11	24.37
211	131	15.68	0.45	-8.52e-04	-0.73	0.0	6.48	11.83	0.06	0.01	0.45	2.08
		2.08	0.30	8.56e-04	0.0	120.0	6.48	11.10	0.06	0.01	0.30	15.68
211	134	3.12	2.92	-1.64e-04	-0.73	0.0	-6.49	2.43	2.63	-5.94e-03	-0.46	0.49
		0.49	-0.46	-1.19e-03	0.0	120.0	-6.49	1.69	2.63	-5.94e-03	2.92	3.12
213	2	1.28	-0.11	1.55e-04	-0.95	0.0	0.03	-0.69	1.57	-4.39e-03	-1.99	1.28
		-0.13	-1.99	4.78e-04	0.0	120.0	0.03	-1.64	1.57	-4.39e-03	-0.11	-0.13
213	3	0.67	-0.02	6.42e-05	-0.73	0.0	0.02	-0.16	0.26	-1.17e-03	-0.33	0.67
		0.04	-0.33	7.48e-05	0.0	120.0	0.02	-0.89	0.26	-1.17e-03	-0.02	0.04
213	4	1.09	-0.10	1.25e-04	-0.73	0.0	0.03	-0.66	1.49	-4.16e-03	-1.89	1.09
		-0.14	-1.89	4.46e-04	0.0	120.0	0.03	-1.39	1.49	-4.16e-03	-0.10	-0.14
213	6	1.17	-0.09	1.31e-04	-0.95	0.0	0.04	-0.56	1.18	-3.81e-03	-1.51	1.17
		-0.07	-1.51	3.54e-04	0.0	120.0	0.04	-1.51	1.18	-3.81e-03	-0.09	-0.07
213	9	0.66	-0.02	7.08e-05	-0.73	0.0	0.01	-0.15	0.26	-1.03e-03	-0.33	0.66
		0.04	-0.33	8.29e-05	0.0	120.0	0.01	-0.89	0.26	-1.03e-03	-0.02	0.04
213	10	0.94	-0.07	1.11e-04	-0.73	0.0	0.02	-0.48	1.08	-3.02e-03	-1.38	0.94
		-0.08	-1.38	3.31e-04	0.0	120.0	0.02	-1.21	1.08	-3.02e-03	-0.07	-0.08
213	12	0.87	-0.06	9.51e-05	-0.73	0.0	0.03	-0.39	0.83	-2.63e-03	-1.05	0.87
		-0.04	-1.05	2.48e-04	0.0	120.0	0.03	-1.12	0.83	-2.63e-03	-0.06	-0.04
213	13	0.65	-0.02	7.66e-05	-0.73	0.0	5.43e-03	-0.14	0.27	-7.13e-04	-0.35	0.65
		0.04	-0.35	9.59e-05	0.0	120.0	5.43e-03	-0.87	0.27	-7.13e-04	-0.02	0.04
213	14	0.79	-0.05	9.67e-05	-0.73	0.0	9.47e-03	-0.31	0.69	-1.71e-03	-0.87	0.79
		-0.02	-0.87	2.20e-04	0.0	120.0	9.47e-03	-1.04	0.69	-1.71e-03	-0.05	-0.02
213	16	0.74	-0.04	8.67e-05	-0.73	0.0	0.01	-0.25	0.52	-1.41e-03	-0.66	0.74
		2.18e-03	-0.66	1.66e-04	0.0	120.0	0.01	-0.98	0.52	-1.41e-03	-0.04	2.18e-03
213	17	0.65	-0.02	7.66e-05	-0.73	0.0	5.43e-03	-0.14	0.27	-7.13e-04	-0.35	0.65
		0.04	-0.35	9.59e-05	0.0	120.0	5.43e-03	-0.87	0.27	-7.13e-04	-0.02	0.04
213	18	0.73	-0.04	8.86e-05	-0.73	0.0	7.85e-03	-0.24	0.52	-1.31e-03	-0.66	0.73
		1.52e-03	-0.66	1.70e-04	0.0	120.0	7.85e-03	-0.97	0.52	-1.31e-03	-0.04	1.52e-03
213	28	-0.38	0.21	3.28e-04	-0.73	0.0	-0.52	2.19	4.91	8.02e-03	-5.75	-2.58
		-2.58	-5.75	-1.13e-03	0.0	120.0	-0.52	1.46	4.91	8.02e-03	0.21	-0.38
213	29	4.04	4.43	-1.51e-04	-0.73	0.0	0.54	-2.68	-3.87	-0.01	4.43	4.04
		0.39	-0.28	1.47e-03	0.0	120.0	0.54	-3.41	-3.87	-0.01	-0.28	0.39
213	40	-0.33	0.19	-3.09e-05	-0.73	0.0	-0.69	1.82	4.02	-4.43e-03	-4.66	-2.07
		-2.07	-4.66	-1.39e-03	0.0	120.0	-0.69	1.08	4.02	-4.43e-03	0.19	-0.33
213	41	3.53	3.34	2.08e-04	-0.73	0.0	0.70	-2.30	-2.98	1.81e-03	3.34	3.53
		0.33	-0.26	1.73e-03	0.0	120.0	0.70	-3.03	-2.98	1.81e-03	-0.26	0.33
213	60	-0.28	0.15	2.63e-04	-0.73	0.0	-0.42	1.55	3.77	5.46e-03	-4.43	-1.70
		-1.70	-4.43	-7.83e-04	0.0	120.0	-0.42	0.82	3.77	5.46e-03	0.15	-0.28
213	61	3.16	3.11	-8.53e-05	-0.73	0.0	0.43	-2.03	-2.73	-8.08e-03	3.11	3.16
		0.28	-0.22	1.12e-03	0.0	120.0	0.43	-2.76	-2.73	-8.08e-03	-0.22	0.28
213	72	-0.24	0.13	1.11e-05	-0.73	0.0	-0.55	1.28	3.11	-3.55e-03	-3.62	-1.34
		-1.34	-3.62	-9.98e-04	0.0	120.0	-0.55	0.55	3.11	-3.55e-03	0.13	-0.24
213	73	2.80	2.30	1.76e-04	-0.73	0.0	0.57	-1.76	-2.07	9.32e-04	2.30	2.80
		0.24	-0.20	1.34e-03	0.0	120.0	0.57	-2.50	-2.07	9.32e-04	-0.20	0.24
213	92	-0.25	0.13	2.42e-04	-0.73	0.0	-0.37	1.34	3.40	4.67e-03	-4.00	-1.42
		-1.42	-4.00	-6.72e-04	0.0	120.0	-0.37	0.61	3.40	4.67e-03	0.13	-0.25
213	93	2.88	2.68	-6.56e-05	-0.73	0.0	0.39	-1.83	-2.36	-7.29e-03	2.68	2.88
		0.25	-0.20	1.01e-03	0.0	120.0	0.39	-2.56	-2.36	-7.29e-03	-0.20	0.25
213	104	-0.21	0.11	1.44e-05	-0.73	0.0	-0.49	1.11	2.81	-3.29e-03	-3.28	-1.10
		-1.10	-3.28	-8.66e-04	0.0	120.0	-0.49	0.37	2.81	-3.29e-03	0.11	-0.21
213	105	2.56	1.96	1.66e-04	-0.73	0.0	0.51	-1.59	-1.77	6.66e-04	1.96	2.56
		0.22	-0.18	1.21e-03	0.0	120.0	0.51	-2.32	-1.77	6.66e-04	-0.18	0.22
213	124	-0.46	0.26	3.79e-04	-0.73	0.0	-0.61	2.70	5.81	9.95e-03	-6.78	-3.27
		-3.27	-6.78	-1.42e-03	0.0	120.0	-0.61	1.97	5.81	9.95e-03	0.26	-0.46
213	125	4.73	5.46	-2.02e-04	-0.73	0.0	0.63	-3.19	-4.77	-0.01	5.46	4.73
		0.47	-0.33	1.76e-03	0.0	120.0	0.63	-3.92	-4.77	-0.01	-0.33	0.47
213	136	-0.39	0.23	-5.52e-05	-0.73	0.0	-0.81	2.24	4.74	-5.08e-03	-5.48	-2.65
		-2.65	-5.48	-1.72e-03	0.0	120.0	-0.81	1.51	4.74	-5.08e-03	0.23	-0.39
213	137	4.11	4.17	2.33e-04	-0.73	0.0	0.83	-2.73	-3.70	2.46e-03	4.17	4.11
		0.40	-0.30	2.06e-03	0.0	120.0	0.83	-3.46	-3.70	2.46e-03	-0.30	0.40

214	2	0.0	0.0	1.51e-05	-0.08	0.0	0.03	1.62	1.07	-4.39e-03	-0.11	-0.16
		-0.16	-0.11	2.93e-05	0.0	10.0	0.03	1.54	1.07	-4.39e-03	0.0	0.0
214	3	0.04	0.0	6.99e-06	-0.06	0.0	0.02	-0.32	0.22	-1.17e-03	-0.02	0.04
		0.0	-0.02	4.43e-06	0.0	10.0	0.02	-0.38	0.22	-1.17e-03	0.0	0.0
214	4	0.0	0.0	1.21e-05	-0.06	0.0	0.03	1.70	1.00	-4.16e-03	-0.10	-0.17
		-0.17	-0.10	2.72e-05	0.0	10.0	0.03	1.64	1.00	-4.16e-03	0.0	0.0
214	5	0.05	0.0	9.53e-06	-0.08	0.0	0.03	-0.42	0.31	-1.72e-03	-0.03	0.05
		0.0	-0.03	5.54e-06	0.0	10.0	0.03	-0.50	0.31	-1.72e-03	0.0	0.0
214	6	0.0	0.0	1.31e-05	-0.08	0.0	0.03	0.99	0.85	-3.81e-03	-0.09	-0.10
		-0.10	-0.09	2.15e-05	0.0	10.0	0.03	0.91	0.85	-3.81e-03	0.0	0.0
214	9	0.03	0.0	7.51e-06	-0.06	0.0	0.01	-0.31	0.22	-1.03e-03	-0.02	0.03
		0.0	-0.02	5.10e-06	0.0	10.0	0.01	-0.37	0.22	-1.03e-03	0.0	0.0
214	10	0.0	0.0	1.09e-05	-0.06	0.0	0.02	1.04	0.73	-3.02e-03	-0.07	-0.10
		-0.10	-0.07	2.03e-05	0.0	10.0	0.02	0.98	0.73	-3.02e-03	0.0	0.0
214	11	0.04	0.0	7.21e-06	-0.06	0.0	0.02	-0.32	0.23	-1.23e-03	-0.02	0.04
		0.0	-0.02	4.41e-06	0.0	10.0	0.02	-0.38	0.23	-1.23e-03	0.0	0.0
214	12	0.0	0.0	9.58e-06	-0.06	0.0	0.02	0.62	0.59	-2.63e-03	-0.06	-0.06
		-0.06	-0.06	1.50e-05	0.0	10.0	0.02	0.56	0.59	-2.63e-03	0.0	0.0
214	13	0.03	0.0	7.96e-06	-0.06	0.0	4.66e-03	-0.29	0.19	-7.13e-04	-0.02	0.03
		0.0	-0.02	6.14e-06	0.0	10.0	4.66e-03	-0.35	0.19	-7.13e-04	0.0	0.0
214	14	0.0	0.0	9.66e-06	-0.06	0.0	7.67e-03	0.38	0.45	-1.71e-03	-0.05	-0.04
		-0.04	-0.05	1.37e-05	0.0	10.0	7.67e-03	0.32	0.45	-1.71e-03	0.0	0.0
214	15	0.03	0.0	7.81e-06	-0.06	0.0	7.54e-03	-0.30	0.20	-8.17e-04	-0.02	0.03
		0.0	-0.02	5.79e-06	0.0	10.0	7.54e-03	-0.36	0.20	-8.17e-04	0.0	0.0
214	16	0.0	0.0	8.83e-06	-0.06	0.0	9.34e-03	0.11	0.36	-1.41e-03	-0.04	-7.84e-03
		-7.84e-03	-0.04	1.03e-05	0.0	10.0	9.34e-03	0.05	0.36	-1.41e-03	0.0	0.0
214	17	0.03	0.0	7.96e-06	-0.06	0.0	4.66e-03	-0.29	0.19	-7.13e-04	-0.02	0.03
		0.0	-0.02	6.14e-06	0.0	10.0	4.66e-03	-0.35	0.19	-7.13e-04	0.0	0.0
214	18	0.0	0.0	8.98e-06	-0.06	0.0	6.47e-03	0.12	0.35	-1.31e-03	-0.04	-8.48e-03
		-8.48e-03	-0.04	1.07e-05	0.0	10.0	6.47e-03	0.05	0.35	-1.31e-03	0.0	0.0
214	19	0.0	0.09	2.77e-05	-0.06	0.0	-0.98	1.83	-0.94	8.15e-03	0.09	-0.18
		-0.18	0.0	-5.00e-05	0.0	10.0	-0.98	1.77	-0.94	8.15e-03	0.0	0.0
214	22	0.16	0.0	-9.75e-06	-0.06	0.0	0.99	-1.60	1.64	-0.01	-0.16	0.16
		0.0	-0.16	7.14e-05	0.0	10.0	0.99	-1.66	1.64	-0.01	0.0	0.0
214	28	0.0	0.21	3.23e-05	-0.06	0.0	-0.37	3.96	-2.12	8.02e-03	0.21	-0.39
		-0.39	0.0	-1.07e-04	0.0	10.0	-0.37	3.90	-2.12	8.02e-03	0.0	0.0
214	29	0.38	0.0	-1.43e-05	-0.06	0.0	0.38	-3.73	2.82	-0.01	-0.28	0.38
		0.0	-0.28	1.28e-04	0.0	10.0	0.38	-3.79	2.82	-0.01	0.0	0.0
214	51	0.0	0.06	2.27e-05	-0.06	0.0	-0.72	1.37	-0.60	5.52e-03	0.06	-0.13
		-0.13	0.0	-3.16e-05	0.0	10.0	-0.72	1.31	-0.60	5.52e-03	0.0	0.0
214	54	0.12	0.0	-4.71e-06	-0.06	0.0	0.73	-1.14	1.30	-8.14e-03	-0.13	0.12
		0.0	-0.13	5.30e-05	0.0	10.0	0.73	-1.20	1.30	-8.14e-03	0.0	0.0
214	60	0.0	0.15	2.62e-05	-0.06	0.0	-0.27	2.94	-1.48	5.46e-03	0.15	-0.29
		-0.29	0.0	-7.46e-05	0.0	10.0	-0.27	2.88	-1.48	5.46e-03	0.0	0.0
214	61	0.27	0.0	-8.28e-06	-0.06	0.0	0.28	-2.71	2.19	-8.08e-03	-0.22	0.27
		0.0	-0.22	9.59e-05	0.0	10.0	0.28	-2.77	2.19	-8.08e-03	0.0	0.0
214	83	0.0	0.05	2.11e-05	-0.06	0.0	-0.63	1.22	-0.49	4.71e-03	0.05	-0.12
		-0.12	0.0	-2.66e-05	0.0	10.0	-0.63	1.16	-0.49	4.71e-03	0.0	0.0
214	86	0.10	0.0	-3.12e-06	-0.06	0.0	0.65	-0.99	1.19	-7.33e-03	-0.12	0.10
		0.0	-0.12	4.79e-05	0.0	10.0	0.65	-1.05	1.19	-7.33e-03	0.0	0.0
214	92	0.0	0.13	2.43e-05	-0.06	0.0	-0.24	2.62	-1.28	4.67e-03	0.13	-0.26
		-0.26	0.0	-6.46e-05	0.0	10.0	-0.24	2.55	-1.28	4.67e-03	0.0	0.0
214	93	0.24	0.0	-6.31e-06	-0.06	0.0	0.25	-2.39	1.98	-7.29e-03	-0.20	0.24
		0.0	-0.20	8.59e-05	0.0	10.0	0.25	-2.45	1.98	-7.29e-03	0.0	0.0
214	115	0.0	0.12	3.15e-05	-0.06	0.0	-1.17	2.19	-1.20	0.01	0.12	-0.22
		-0.22	0.0	-6.40e-05	0.0	10.0	-1.17	2.12	-1.20	0.01	0.0	0.0
214	118	0.20	0.0	-1.35e-05	-0.06	0.0	1.18	-1.95	1.90	-0.01	-0.19	0.20
		0.0	-0.19	8.54e-05	0.0	10.0	1.18	-2.02	1.90	-0.01	0.0	0.0
214	124	0.0	0.26	3.70e-05	-0.06	0.0	-0.44	4.77	-2.62	9.95e-03	0.26	-0.47
		-0.47	0.0	-1.34e-04	0.0	10.0	-0.44	4.71	-2.62	9.95e-03	0.0	0.0
214	125	0.46	0.0	-1.91e-05	-0.06	0.0	0.45	-4.54	3.32	-0.01	-0.33	0.46
		0.0	-0.33	1.55e-04	0.0	10.0	0.45	-4.60	3.32	-0.01	0.0	0.0
216	2	5.20	0.81	-2.61e-04	-0.08	0.0	-0.02	52.00	8.13	0.08	0.0	0.0
		0.0	0.0	7.14e-05	0.0	10.0	-0.02	51.92	8.13	0.08	0.81	5.20
216	3	1.01	0.15	-4.99e-05	-0.06	0.0	-2.35e-04	10.08	1.54	0.02	0.0	0.0
		0.0	0.0	1.09e-05	0.0	10.0	-2.35e-04	10.02	1.54	0.02	0.15	1.01
216	7	1.00	0.15	-4.99e-05	-0.06	0.0	1.27e-03	10.06	1.52	0.02	0.0	0.0
		0.0	0.0	9.47e-06	0.0	10.0	1.27e-03	10.00	1.52	0.02	0.15	1.00
216	9	1.01	0.16	-4.98e-05	-0.06	0.0	-7.33e-04	10.10	1.56	0.01	0.0	0.0
		0.0	0.0	1.17e-05	0.0	10.0	-7.33e-04	10.04	1.56	0.01	0.16	1.01
216	10	3.60	0.56	-1.81e-04	-0.06	0.0	-0.01	36.01	5.62	0.05	0.0	0.0
		0.0	0.0	4.94e-05	0.0	10.0	-0.01	35.94	5.62	0.05	0.56	3.60
216	11	1.01	0.15	-4.98e-05	-0.06	0.0	2.68e-04	10.09	1.54	0.01	0.0	0.0
		0.0	0.0	1.07e-05	0.0	10.0	2.68e-04	10.03	1.54	0.01	0.15	1.01
216	13	1.01	0.16	-4.99e-05	-0.06	0.0	-2.23e-03	10.12	1.57	0.01	0.0	0.0

		0.0	0.0	1.32e-05	0.0	10.0	-2.23e-03	10.06	1.57	0.01	0.16	1.01
216	14	2.30	0.36	-1.15e-04	-0.06	0.0	-9.09e-03	23.07	3.60	0.03	0.0	0.0
		0.0	0.0	3.20e-05	0.0	10.0	-9.09e-03	23.01	3.60	0.03	0.36	2.30
216	15	1.01	0.16	-4.98e-05	-0.06	0.0	-1.73e-03	10.11	1.57	0.01	0.0	0.0
		0.0	0.0	1.27e-05	0.0	10.0	-1.73e-03	10.05	1.57	0.01	0.16	1.01
216	17	1.01	0.16	-4.99e-05	-0.06	0.0	-2.23e-03	10.12	1.57	0.01	0.0	0.0
		0.0	0.0	1.32e-05	0.0	10.0	-2.23e-03	10.06	1.57	0.01	0.16	1.01
216	18	1.79	0.28	-8.92e-05	-0.06	0.0	-6.35e-03	17.89	2.79	0.02	0.0	0.0
		0.0	0.0	2.45e-05	0.0	10.0	-6.35e-03	17.83	2.79	0.02	0.28	1.79
216	28	2.19	0.0	-1.03e-04	-0.06	0.0	-10.52	21.97	-3.91	-0.61	0.0	0.0
		0.0	-0.39	3.66e-05	0.0	10.0	-10.52	21.91	-3.91	-0.61	-0.39	2.19
216	29	1.38	0.95	-7.51e-05	-0.06	0.0	10.51	13.81	9.49	0.66	0.0	0.0
		0.0	0.0	1.23e-05	0.0	10.0	10.51	13.75	9.49	0.66	0.95	1.38
216	36	2.10	0.0	-9.97e-05	-0.06	0.0	-12.42	21.08	-2.52	-0.53	0.0	0.0
		0.0	-0.25	-1.15e-05	0.0	10.0	-12.42	21.02	-2.52	-0.53	-0.25	2.10
216	37	1.47	0.81	-7.87e-05	-0.06	0.0	12.41	14.70	8.10	0.57	0.0	0.0
		0.0	0.0	6.04e-05	0.0	10.0	12.41	14.64	8.10	0.57	0.81	1.47
216	46	1.93	0.0	-9.44e-05	-0.06	0.0	-2.25	19.34	-0.03	-0.24	0.0	0.0
		0.0	-2.90e-03	3.75e-06	0.0	10.0	-2.25	19.28	-0.03	-0.24	-2.90e-03	1.93
216	60	2.09	0.0	-9.98e-05	-0.06	0.0	-7.74	20.95	-2.16	-0.45	0.0	0.0
		0.0	-0.22	3.10e-05	0.0	10.0	-7.74	20.89	-2.16	-0.45	-0.22	2.09
216	61	1.48	0.77	-7.86e-05	-0.06	0.0	7.72	14.83	7.75	0.49	0.0	0.0
		0.0	0.0	1.79e-05	0.0	10.0	7.72	14.77	7.75	0.49	0.77	1.48
216	68	2.02	0.0	-9.71e-05	-0.06	0.0	-9.08	20.26	-1.16	-0.39	0.0	0.0
		0.0	-0.12	-4.19e-06	0.0	10.0	-9.08	20.20	-1.16	-0.39	-0.12	2.02
216	69	1.55	0.67	-8.13e-05	-0.06	0.0	9.07	15.52	6.75	0.43	0.0	0.0
		0.0	0.0	5.31e-05	0.0	10.0	9.07	15.46	6.75	0.43	0.67	1.55
216	78	1.89	0.07	-9.29e-05	-0.06	0.0	-1.64	18.93	0.69	-0.18	0.0	0.0
		0.0	0.0	7.33e-06	0.0	10.0	-1.64	18.87	0.69	-0.18	0.07	1.89
216	92	2.06	0.0	-9.86e-05	-0.06	0.0	-6.85	20.60	-1.60	-0.39	0.0	0.0
		0.0	-0.16	3.00e-05	0.0	10.0	-6.85	20.54	-1.60	-0.39	-0.16	2.06
216	93	1.51	0.72	-7.98e-05	-0.06	0.0	6.83	15.18	7.18	0.44	0.0	0.0
		0.0	0.0	1.89e-05	0.0	10.0	6.83	15.12	7.18	0.44	0.72	1.51
216	100	2.00	0.0	-9.62e-05	-0.06	0.0	-8.03	19.99	-0.71	-0.34	0.0	0.0
		0.0	-0.07	-1.17e-06	0.0	10.0	-8.03	19.93	-0.71	-0.34	-0.07	2.00
216	101	1.58	0.63	-8.22e-05	-0.06	0.0	8.02	15.79	6.30	0.39	0.0	0.0
		0.0	0.0	5.01e-05	0.0	10.0	8.02	15.73	6.30	0.39	0.63	1.58
216	110	1.88	0.09	-9.25e-05	-0.06	0.0	-1.45	18.80	0.93	-0.15	0.0	0.0
		0.0	0.0	9.08e-06	0.0	10.0	-1.45	18.74	0.93	-0.15	0.09	1.88
216	124	2.28	0.0	-1.06e-04	-0.06	0.0	-12.60	22.80	-5.30	-0.75	0.0	0.0
		0.0	-0.53	3.94e-05	0.0	10.0	-12.60	22.73	-5.30	-0.75	-0.53	2.28
216	125	1.30	1.09	-7.23e-05	-0.06	0.0	12.58	12.99	10.88	0.79	0.0	0.0
		0.0	0.0	9.50e-06	0.0	10.0	12.58	12.92	10.88	0.79	1.09	1.30
216	132	2.17	0.0	-1.02e-04	-0.06	0.0	-14.94	21.73	-3.62	-0.64	0.0	0.0
		0.0	-0.36	-1.89e-05	0.0	10.0	-14.94	21.67	-3.62	-0.64	-0.36	2.17
216	133	1.40	0.92	-7.65e-05	-0.06	0.0	14.93	14.05	9.20	0.69	0.0	0.0
		0.0	0.0	6.78e-05	0.0	10.0	14.93	13.99	9.20	0.69	0.92	1.40
216	142	1.96	0.0	-9.55e-05	-0.06	0.0	-2.77	19.66	-0.62	-0.30	0.0	0.0
		0.0	-0.06	0.0	0.0	10.0	-2.77	19.60	-0.62	-0.30	-0.06	1.96
217	2	0.21	0.0	-5.98e-05	-7.54	0.0	-6.99	1.41	-8.06e-03	-0.02	0.0	0.0
		-3.77	-0.01	-1.25e-04	0.0	160.0	-6.99	-6.13	-8.06e-03	-0.02	-0.01	-3.77
217	7	0.03	0.0	3.34e-05	-1.37	0.0	-1.41	0.21	-6.21e-04	-3.64e-03	0.0	0.0
		-0.75	-9.93e-04	-1.30e-04	0.0	160.0	-1.41	-1.16	-6.21e-04	-3.64e-03	-9.93e-04	-0.75
217	10	0.15	0.0	-3.83e-05	-5.21	0.0	-4.84	0.97	-5.60e-03	-0.01	0.0	0.0
		-2.61	-8.96e-03	-8.46e-05	0.0	160.0	-4.84	-4.24	-5.60e-03	-0.01	-8.96e-03	-2.61
217	11	0.03	0.0	3.58e-05	-1.37	0.0	-1.44	0.21	-1.01e-03	-3.66e-03	0.0	0.0
		-0.76	-1.62e-03	-9.30e-05	0.0	160.0	-1.44	-1.16	-1.01e-03	-3.66e-03	-1.62e-03	-0.76
217	14	0.09	0.0	3.38e-05	-3.29	0.0	-3.15	0.59	-3.91e-03	-8.47e-03	0.0	0.0
		-1.68	-6.25e-03	6.39e-05	0.0	160.0	-3.15	-2.70	-3.91e-03	-8.47e-03	-6.25e-03	-1.68
217	15	0.03	0.0	3.63e-05	-1.37	0.0	-1.46	0.21	-1.61e-03	-3.64e-03	0.0	0.0
		-0.76	-2.58e-03	-3.09e-05	0.0	160.0	-1.46	-1.16	-1.61e-03	-3.64e-03	-2.58e-03	-0.76
217	17	0.03	0.0	3.64e-05	-1.37	0.0	-1.46	0.21	-1.76e-03	-3.64e-03	0.0	0.0
		-0.76	-2.82e-03	2.70e-05	0.0	160.0	-1.46	-1.16	-1.76e-03	-3.64e-03	-2.82e-03	-0.76
217	18	0.06	0.0	3.45e-05	-2.52	0.0	-2.47	0.44	-3.05e-03	-6.54e-03	0.0	0.0
		-1.31	-4.88e-03	4.91e-05	0.0	160.0	-2.47	-2.08	-3.05e-03	-6.54e-03	-4.88e-03	-1.31
217	28	0.0	0.0	2.87e-04	-2.52	0.0	4.90	-1.26	-0.04	5.45e-04	0.0	0.0
		-4.03	-0.06	5.75e-03	0.0	160.0	4.90	-3.78	-0.04	5.45e-04	-0.06	-4.03
217	29	1.45	0.05	-2.18e-04	-2.52	0.0	-9.84	2.14	0.03	-0.01	0.0	0.0
		0.0	0.0	-5.79e-03	0.0	160.0	-9.84	-0.39	0.03	-0.01	0.05	1.40
217	35	0.49	0.0	-8.11e-05	-2.52	0.0	-5.95	1.25	-0.12	-9.59e-03	0.0	0.0
		-0.03	-0.20	3.59e-03	0.0	160.0	-5.95	-1.28	-0.12	-9.59e-03	-0.20	-0.03
217	38	0.0	0.19	1.49e-04	-2.52	0.0	1.00	-0.36	0.12	-3.48e-03	0.0	0.0
		-2.60	0.0	-3.51e-03	0.0	160.0	1.00	-2.89	0.12	-3.48e-03	0.19	-2.60
217	60	0.0	0.0	2.21e-04	-2.52	0.0	2.98	-0.81	-0.03	-1.30e-03	0.0	0.0
		-3.32	-0.04	4.38e-03	0.0	160.0	2.98	-3.34	-0.03	-1.30e-03	-0.04	-3.32

217	61	0.91	0.03	-1.52e-04	-2.52	0.0	-7.92	1.69	0.02	-0.01	0.0	0.0
		0.0	0.0	-4.43e-03	0.0	160.0	-7.92	-0.83	0.02	-0.01	0.03	0.69
217	67	0.35	0.0	-5.26e-05	-2.52	0.0	-5.09	1.05	-0.09	-8.83e-03	0.0	0.0
		-0.34	-0.15	2.34e-03	0.0	160.0	-5.09	-1.48	-0.09	-8.83e-03	-0.15	-0.34
217	70	0.0	0.14	1.21e-04	-2.52	0.0	0.14	-0.17	0.09	-4.24e-03	0.0	0.0
		-2.28	0.0	-2.24e-03	0.0	160.0	0.14	-2.69	0.09	-4.24e-03	0.14	-2.28
217	92	0.0	0.0	2.00e-04	-2.52	0.0	2.35	-0.67	-0.02	-1.90e-03	0.0	0.0
		-3.09	-0.04	3.88e-03	0.0	160.0	2.35	-3.19	-0.02	-1.90e-03	-0.04	-3.09
217	93	0.76	0.03	-1.31e-04	-2.52	0.0	-7.30	1.55	0.02	-0.01	0.0	0.0
		0.0	0.0	-3.93e-03	0.0	160.0	-7.30	-0.97	0.02	-0.01	0.03	0.46
217	99	0.30	0.0	-4.32e-05	-2.52	0.0	-4.79	0.98	-0.08	-8.57e-03	0.0	0.0
		-0.45	-0.13	2.05e-03	0.0	160.0	-4.79	-1.54	-0.08	-8.57e-03	-0.13	-0.45
217	102	0.0	0.12	1.11e-04	-2.52	0.0	-0.15	-0.10	0.08	-4.50e-03	0.0	0.0
		-2.18	0.0	-1.96e-03	0.0	160.0	-0.15	-2.62	0.08	-4.50e-03	0.12	-2.18
217	124	0.0	0.0	3.39e-04	-2.52	0.0	6.44	-1.61	-0.05	2.02e-03	0.0	0.0
		-4.60	-0.08	6.73e-03	0.0	160.0	6.44	-4.14	-0.05	2.02e-03	-0.08	-4.60
217	125	1.97	0.07	-2.70e-04	-2.52	0.0	-11.39	2.49	0.04	-0.02	0.0	0.0
		0.0	0.0	-6.78e-03	0.0	160.0	-11.39	-0.03	0.04	-0.02	0.07	1.97
217	131	0.63	0.0	-1.05e-04	-2.52	0.0	-6.68	1.41	-0.14	-0.01	0.0	0.0
		0.0	-0.23	4.65e-03	0.0	160.0	-6.68	-1.11	-0.14	-0.01	-0.23	0.24
217	134	0.0	0.22	1.73e-04	-2.52	0.0	1.73	-0.53	0.14	-2.85e-03	0.0	0.0
		-2.87	0.0	-4.57e-03	0.0	160.0	1.73	-3.06	0.14	-2.85e-03	0.22	-2.87
218	2	2.86	0.03	-1.31e-03	-8.49	0.0	-8.81	7.42	-0.02	1.96e-03	0.03	-4.07
		-4.07	-5.61e-03	-5.74e-04	0.0	213.3	-3.41	-1.06	-0.02	1.96e-03	-5.61e-03	2.71
218	7	0.47	6.13e-03	-2.73e-04	-1.54	0.0	-1.68	1.36	-3.55e-03	-2.57e-04	6.13e-03	-0.81
		-0.81	-1.45e-03	-1.12e-04	0.0	213.3	-0.70	-0.18	-3.55e-03	-2.57e-04	-1.45e-03	0.44
218	10	1.97	0.02	-9.07e-04	-5.86	0.0	-6.09	5.13	-0.01	1.39e-03	0.02	-2.82
		-2.82	-3.87e-03	-3.98e-04	0.0	213.3	-2.36	-0.73	-0.01	1.39e-03	-3.87e-03	1.87
218	11	0.46	5.99e-03	-2.77e-04	-1.54	0.0	-1.71	1.35	-3.51e-03	-4.67e-04	5.99e-03	-0.81
		-0.81	-1.49e-03	-1.17e-04	0.0	213.3	-0.73	-0.19	-3.51e-03	-4.67e-04	-1.49e-03	0.43
218	14	1.21	0.01	-5.89e-04	-3.70	0.0	-3.92	3.24	-7.23e-03	4.76e-04	0.01	-1.81
		-1.81	-2.61e-03	-2.64e-04	0.0	213.3	-1.56	-0.47	-7.23e-03	4.76e-04	-2.61e-03	1.15
218	15	0.45	5.73e-03	-2.76e-04	-1.54	0.0	-1.73	1.35	-3.35e-03	-4.54e-04	5.73e-03	-0.81
		-0.81	-1.42e-03	-1.23e-04	0.0	213.3	-0.75	-0.19	-3.35e-03	-4.54e-04	-1.42e-03	0.42
218	17	0.45	5.66e-03	-2.76e-04	-1.54	0.0	-1.73	1.35	-3.31e-03	-4.51e-04	5.66e-03	-0.81
		-0.81	-1.40e-03	-1.25e-04	0.0	213.3	-0.75	-0.19	-3.31e-03	-4.51e-04	-1.40e-03	0.42
218	18	0.90	9.95e-03	-4.62e-04	-2.84	0.0	-3.04	2.48	-5.66e-03	1.05e-04	9.95e-03	-1.41
		-1.41	-2.13e-03	-2.08e-04	0.0	213.3	-1.24	-0.36	-5.66e-03	1.05e-04	-2.13e-03	0.86
218	28	4.47	0.37	-1.69e-03	-2.84	0.0	7.21	5.25	-0.36	-5.34e-03	0.37	-3.71
		-3.71	-0.41	0.02	0.0	213.3	9.02	2.41	-0.36	-5.34e-03	-0.41	4.47
218	29	0.89	0.40	7.63e-04	-2.84	0.0	-13.30	-0.29	0.35	5.55e-03	-0.35	0.89
		-2.76	-0.35	-0.02	0.0	213.3	-11.49	-3.13	0.35	5.55e-03	0.40	-2.76
218	40	4.21	0.68	-1.59e-03	-2.84	0.0	6.49	5.05	-0.66	0.17	0.68	-3.53
		-3.53	-0.74	0.03	0.0	213.3	8.29	2.21	-0.66	0.17	-0.74	4.21
218	41	0.71	0.73	6.64e-04	-2.84	0.0	-12.57	-0.09	0.65	-0.17	-0.66	0.71
		-2.50	-0.66	-0.03	0.0	213.3	-10.77	-2.92	0.65	-0.17	0.73	-2.50
218	60	3.53	0.29	-1.37e-03	-2.84	0.0	4.54	4.53	-0.29	-1.48e-03	0.29	-3.11
		-3.11	-0.32	0.01	0.0	213.3	6.35	1.69	-0.29	-1.48e-03	-0.32	3.53
218	61	0.36	0.32	4.43e-04	-2.84	0.0	-10.63	0.43	0.28	1.69e-03	-0.27	0.29
		-1.82	-0.27	-0.01	0.0	213.3	-8.82	-2.41	0.28	1.69e-03	0.32	-1.82
218	72	3.36	0.55	-1.30e-03	-2.84	0.0	4.06	4.40	-0.54	0.14	0.55	-2.99
		-2.99	-0.60	0.02	0.0	213.3	5.87	1.56	-0.54	0.14	-0.60	3.36
218	73	0.29	0.59	3.77e-04	-2.84	0.0	-10.15	0.57	0.52	-0.14	-0.53	0.17
		-1.65	-0.53	-0.02	0.0	213.3	-8.34	-2.27	0.52	-0.14	0.59	-1.65
218	92	3.22	0.26	-1.26e-03	-2.84	0.0	3.67	4.30	-0.26	-1.15e-03	0.26	-2.91
		-2.91	-0.29	0.01	0.0	213.3	5.48	1.46	-0.26	-1.15e-03	-0.29	3.22
218	93	0.26	0.28	3.39e-04	-2.84	0.0	-9.76	0.67	0.25	1.36e-03	-0.24	0.09
		-1.51	-0.24	-0.01	0.0	213.3	-7.95	-2.17	0.25	1.36e-03	0.28	-1.51
218	104	3.08	0.49	-1.21e-03	-2.84	0.0	3.26	4.18	-0.48	0.12	0.49	-2.81
		-2.81	-0.53	0.02	0.0	213.3	5.06	1.34	-0.48	0.12	-0.53	3.08
218	105	0.22	0.53	2.82e-04	-2.84	0.0	-9.34	0.78	0.47	-0.12	-0.47	-8.13e-03
		-1.36	-0.47	-0.02	0.0	213.3	-7.54	-2.05	0.47	-0.12	0.53	-1.36
218	124	5.23	0.43	-1.94e-03	-2.84	0.0	9.36	5.83	-0.43	-8.46e-03	0.43	-4.19
		-4.19	-0.48	0.02	0.0	213.3	11.17	2.99	-0.43	-8.46e-03	-0.48	5.23
218	125	1.37	0.48	1.02e-03	-2.84	0.0	-15.45	-0.87	0.42	8.67e-03	-0.41	1.37
		-3.51	-0.41	-0.02	0.0	213.3	-13.64	-3.71	0.42	8.67e-03	0.48	-3.51
218	136	4.91	0.79	-1.82e-03	-2.84	0.0	8.47	5.58	-0.78	0.20	0.79	-3.97
		-3.97	-0.86	0.03	0.0	213.3	10.28	2.74	-0.78	0.20	-0.86	4.91
218	137	1.15	0.86	8.98e-04	-2.84	0.0	-14.56	-0.62	0.76	-0.20	-0.77	1.15
		-3.20	-0.77	-0.03	0.0	213.3	-12.75	-3.46	0.76	-0.20	0.86	-3.20
219	1	0.25	0.0	-1.01e-04	-1.27	0.0	0.02	0.63	0.0	-7.45e-05	0.0	0.0
		0.0	0.0	-1.22e-04	0.0	160.0	0.02	-0.63	0.0	-7.45e-05	0.0	0.0
219	2	0.25	0.0	-2.86e-04	-1.27	0.0	0.17	0.63	0.0	7.15e-05	0.0	0.0
		0.0	0.0	-1.58e-04	0.0	160.0	0.17	-0.63	0.0	7.15e-05	0.0	0.0
219	4	0.19	0.0	-2.62e-04	-0.97	0.0	0.18	0.49	0.0	6.94e-05	0.0	0.0

		0.0	0.0	-1.58e-04	0.0	160.0	0.18	-0.49	0.0	6.94e-05	0.0	0.0
219	6	0.25	0.0	-2.30e-04	-1.27	0.0	0.13	0.63	0.0	-1.11e-04	0.0	0.0
		0.0	0.0	-2.37e-04	0.0	160.0	0.13	-0.63	0.0	-1.11e-04	0.0	0.0
219	7	0.19	0.0	-7.74e-05	-0.97	0.0	0.03	0.49	0.0	-2.15e-04	0.0	0.0
		0.0	0.0	-2.11e-04	0.0	160.0	0.03	-0.49	0.0	-2.15e-04	0.0	0.0
219	9	0.19	0.0	-7.75e-05	-0.97	0.0	0.01	0.49	0.0	-2.34e-05	0.0	0.0
		0.0	0.0	-7.80e-05	0.0	160.0	0.01	-0.49	0.0	-2.34e-05	0.0	0.0
219	10	0.19	0.0	-2.01e-04	-0.97	0.0	0.12	0.49	0.0	7.39e-05	0.0	0.0
		0.0	0.0	-1.03e-04	0.0	160.0	0.12	-0.49	0.0	7.39e-05	0.0	0.0
219	11	0.19	0.0	-7.75e-05	-0.97	0.0	0.02	0.49	0.0	-1.16e-04	0.0	0.0
		0.0	0.0	-1.38e-04	0.0	160.0	0.02	-0.49	0.0	-1.16e-04	0.0	0.0
219	12	0.19	0.0	-1.64e-04	-0.97	0.0	0.09	0.49	0.0	-4.78e-05	0.0	0.0
		0.0	0.0	-1.55e-04	0.0	160.0	0.09	-0.49	0.0	-4.78e-05	0.0	0.0
219	13	0.19	0.0	-7.75e-05	-0.97	0.0	5.96e-03	0.49	0.0	1.15e-04	0.0	0.0
		0.0	0.0	1.18e-05	0.0	160.0	5.96e-03	-0.49	0.0	1.15e-04	0.0	0.0
219	14	0.19	0.0	-1.39e-04	-0.97	0.0	0.06	0.49	0.0	1.64e-04	0.0	0.0
		0.0	0.0	0.0	0.0	160.0	0.06	-0.49	0.0	1.64e-04	0.0	0.0
219	15	0.19	0.0	-7.75e-05	-0.97	0.0	8.29e-03	0.49	0.0	6.91e-05	0.0	0.0
		0.0	0.0	-1.81e-05	0.0	160.0	8.29e-03	-0.49	0.0	6.91e-05	0.0	0.0
219	16	0.19	0.0	-1.14e-04	-0.97	0.0	0.04	0.49	0.0	9.83e-05	0.0	0.0
		0.0	0.0	-2.55e-05	0.0	160.0	0.04	-0.49	0.0	9.83e-05	0.0	0.0
219	17	0.19	0.0	-7.75e-05	-0.97	0.0	5.96e-03	0.49	0.0	1.15e-04	0.0	0.0
		0.0	0.0	1.18e-05	0.0	160.0	5.96e-03	-0.49	0.0	1.15e-04	0.0	0.0
219	18	0.19	0.0	-1.14e-04	-0.97	0.0	0.04	0.49	0.0	1.45e-04	0.0	0.0
		0.0	0.0	4.46e-06	0.0	160.0	0.04	-0.49	0.0	1.45e-04	0.0	0.0
219	19	0.19	0.0	-1.15e-04	-0.97	0.0	6.97	0.49	0.0	-0.04	0.0	0.0
		0.0	0.0	9.13e-05	0.0	160.0	6.97	-0.49	0.0	-0.04	0.0	0.0
219	22	0.19	0.0	-1.14e-04	-0.97	0.0	-6.89	0.49	0.0	0.04	0.0	0.0
		0.0	0.0	-8.24e-05	0.0	160.0	-6.89	-0.49	0.0	0.04	0.0	0.0
219	28	0.19	0.0	-1.19e-04	-0.97	0.0	2.91	0.49	0.0	0.03	0.0	0.0
		0.0	0.0	9.38e-05	0.0	160.0	2.91	-0.49	0.0	0.03	0.0	0.0
219	29	0.19	0.0	-1.10e-04	-0.97	0.0	-2.83	0.49	0.0	-0.03	0.0	0.0
		0.0	0.0	-8.49e-05	0.0	160.0	-2.83	-0.49	0.0	-0.03	0.0	0.0
219	44	0.19	0.0	-1.18e-04	-0.97	0.0	-2.89	0.49	0.0	-0.04	0.0	0.0
		0.0	0.0	-1.28e-04	0.0	160.0	-2.89	-0.49	0.0	-0.04	0.0	0.0
219	45	0.19	0.0	-1.11e-04	-0.97	0.0	2.96	0.49	0.0	0.04	0.0	0.0
		0.0	0.0	1.37e-04	0.0	160.0	2.96	-0.49	0.0	0.04	0.0	0.0
219	51	0.19	0.0	-1.15e-04	-0.97	0.0	5.08	0.49	0.0	-0.03	0.0	0.0
		0.0	0.0	6.00e-05	0.0	160.0	5.08	-0.49	0.0	-0.03	0.0	0.0
219	54	0.19	0.0	-1.14e-04	-0.97	0.0	-5.01	0.49	0.0	0.03	0.0	0.0
		0.0	0.0	-5.10e-05	0.0	160.0	-5.01	-0.49	0.0	0.03	0.0	0.0
219	60	0.19	0.0	-1.17e-04	-0.97	0.0	2.12	0.49	0.0	0.02	0.0	0.0
		0.0	0.0	9.40e-05	0.0	160.0	2.12	-0.49	0.0	0.02	0.0	0.0
219	61	0.19	0.0	-1.12e-04	-0.97	0.0	-2.05	0.49	0.0	-0.02	0.0	0.0
		0.0	0.0	-8.51e-05	0.0	160.0	-2.05	-0.49	0.0	-0.02	0.0	0.0
219	76	0.19	0.0	-1.17e-04	-0.97	0.0	-2.14	0.49	0.0	-0.03	0.0	0.0
		0.0	0.0	-8.77e-05	0.0	160.0	-2.14	-0.49	0.0	-0.03	0.0	0.0
219	77	0.19	0.0	-1.12e-04	-0.97	0.0	2.21	0.49	0.0	0.03	0.0	0.0
		0.0	0.0	9.67e-05	0.0	160.0	2.21	-0.49	0.0	0.03	0.0	0.0
219	83	0.19	0.0	-1.15e-04	-0.97	0.0	4.50	0.49	0.0	-0.02	0.0	0.0
		0.0	0.0	5.26e-05	0.0	160.0	4.50	-0.49	0.0	-0.02	0.0	0.0
219	86	0.19	0.0	-1.14e-04	-0.97	0.0	-4.42	0.49	0.0	0.02	0.0	0.0
		0.0	0.0	-4.37e-05	0.0	160.0	-4.42	-0.49	0.0	0.02	0.0	0.0
219	92	0.19	0.0	-1.17e-04	-0.97	0.0	1.88	0.49	0.0	0.02	0.0	0.0
		0.0	0.0	8.63e-05	0.0	160.0	1.88	-0.49	0.0	0.02	0.0	0.0
219	93	0.19	0.0	-1.12e-04	-0.97	0.0	-1.81	0.49	0.0	-0.02	0.0	0.0
		0.0	0.0	-7.74e-05	0.0	160.0	-1.81	-0.49	0.0	-0.02	0.0	0.0
219	108	0.19	0.0	-1.17e-04	-0.97	0.0	-1.89	0.49	0.0	-0.03	0.0	0.0
		0.0	0.0	-7.64e-05	0.0	160.0	-1.89	-0.49	0.0	-0.03	0.0	0.0
219	109	0.19	0.0	-1.12e-04	-0.97	0.0	1.97	0.49	0.0	0.03	0.0	0.0
		0.0	0.0	8.53e-05	0.0	160.0	1.97	-0.49	0.0	0.03	0.0	0.0
219	115	0.19	0.0	-1.16e-04	-0.97	0.0	8.39	0.49	0.0	-0.04	0.0	0.0
		0.0	0.0	1.07e-04	0.0	160.0	8.39	-0.49	0.0	-0.04	0.0	0.0
219	118	0.19	0.0	-1.13e-04	-0.97	0.0	-8.32	0.49	0.0	0.04	0.0	0.0
		0.0	0.0	-9.83e-05	0.0	160.0	-8.32	-0.49	0.0	0.04	0.0	0.0
219	124	0.19	0.0	-1.20e-04	-0.97	0.0	3.51	0.49	0.0	0.04	0.0	0.0
		0.0	0.0	1.10e-04	0.0	160.0	3.51	-0.49	0.0	0.04	0.0	0.0
219	125	0.19	0.0	-1.09e-04	-0.97	0.0	-3.43	0.49	0.0	-0.04	0.0	0.0
		0.0	0.0	-1.01e-04	0.0	160.0	-3.43	-0.49	0.0	-0.04	0.0	0.0
219	140	0.19	0.0	-1.19e-04	-0.97	0.0	-3.51	0.49	0.0	-0.05	0.0	0.0
		0.0	0.0	-1.61e-04	0.0	160.0	-3.51	-0.49	0.0	-0.05	0.0	0.0
219	141	0.19	0.0	-1.10e-04	-0.97	0.0	3.58	0.49	0.0	0.05	0.0	0.0
		0.0	0.0	1.70e-04	0.0	160.0	3.58	-0.49	0.0	0.05	0.0	0.0
220	2	11.11	0.0	7.86e-04	-7.94	0.0	-0.03	-3.44	6.19	0.04	-9.29	11.11
		0.0	-9.29	-3.38e-04	0.0	150.0	-0.03	-11.38	6.19	0.04	0.0	0.0

220	3	4.00	0.0	3.25e-04	-4.51	0.0	-0.01	-0.41	1.18	6.58e-03	-1.77	4.00
		0.0	-1.77	-1.16e-04	0.0	150.0	-0.01	-4.92	1.18	6.58e-03	0.0	0.0
220	9	4.58	0.0	3.70e-04	-5.41	0.0	-0.01	-0.35	1.18	6.63e-03	-1.77	4.58
		0.0	-1.77	-9.19e-05	0.0	150.0	-0.01	-5.76	1.18	6.63e-03	0.0	0.0
220	10	7.63	0.0	5.44e-04	-5.41	0.0	-0.02	-2.38	4.28	0.03	-6.42	7.63
		0.0	-6.42	-2.32e-04	0.0	150.0	-0.02	-7.80	4.28	0.03	0.0	0.0
220	13	4.59	0.0	3.71e-04	-5.41	0.0	-9.04e-03	-0.35	1.15	6.85e-03	-1.73	4.59
		0.0	-1.73	-4.39e-05	0.0	150.0	-9.04e-03	-5.77	1.15	6.85e-03	0.0	0.0
220	14	6.11	0.0	4.57e-04	-5.41	0.0	-0.01	-1.37	2.70	0.02	-4.05	6.11
		0.0	-4.05	-1.14e-04	0.0	150.0	-0.01	-6.78	2.70	0.02	0.0	0.0
220	17	4.59	0.0	3.71e-04	-5.41	0.0	-9.04e-03	-0.35	1.15	6.85e-03	-1.73	4.59
		0.0	-1.73	-4.39e-05	0.0	150.0	-9.04e-03	-5.77	1.15	6.85e-03	0.0	0.0
220	18	5.50	0.0	4.23e-04	-5.41	0.0	-0.01	-0.96	2.08	0.01	-3.12	5.50
		0.0	-3.12	-8.58e-05	0.0	150.0	-0.01	-6.38	2.08	0.01	0.0	0.0
220	22	4.52	0.0	3.30e-04	-5.41	0.0	-1.17	-0.31	3.82	-9.52e-03	-5.73	4.52
		0.0	-5.73	-1.06e-03	0.0	150.0	-1.17	-5.72	3.82	-9.52e-03	0.0	0.0
220	27	6.78	0.16	5.26e-04	-5.41	0.0	-0.50	-1.82	-0.10	0.04	0.16	6.78
		0.0	0.0	2.19e-03	0.0	150.0	-0.50	-7.23	-0.10	0.04	0.0	0.0
220	28	6.31	2.24	4.75e-04	-5.41	0.0	-1.26	-1.50	-1.49	0.06	2.24	6.31
		0.0	0.0	2.76e-03	0.0	150.0	-1.26	-6.91	-1.49	0.06	0.0	0.0
220	29	4.70	0.0	3.70e-04	-5.41	0.0	1.24	-0.42	5.66	-0.03	-8.48	4.70
		0.0	-8.48	-2.93e-03	0.0	150.0	1.24	-5.84	5.66	-0.03	0.0	0.0
220	40	5.03	1.64	3.61e-04	-5.41	0.0	-1.53	-0.65	-1.09	0.06	1.64	5.03
		0.0	0.0	1.63e-03	0.0	150.0	-1.53	-6.06	-1.09	0.06	0.0	0.0
220	41	5.98	0.0	4.84e-04	-5.41	0.0	1.51	-1.28	5.26	-0.03	-7.89	5.98
		0.0	-7.89	-1.80e-03	0.0	150.0	1.51	-6.69	5.26	-0.03	0.0	0.0
220	54	4.78	0.0	3.55e-04	-5.41	0.0	-0.89	-0.48	3.36	-3.36e-03	-5.04	4.78
		0.0	-5.04	-8.03e-04	0.0	150.0	-0.89	-5.89	3.36	-3.36e-03	0.0	0.0
220	59	6.45	0.0	4.98e-04	-5.41	0.0	-0.39	-1.59	0.46	0.03	-0.70	6.45
		0.0	-0.70	1.59e-03	0.0	150.0	-0.39	-7.00	0.46	0.03	0.0	0.0
220	60	6.10	0.85	4.61e-04	-5.41	0.0	-0.96	-1.36	-0.57	0.05	0.85	6.10
		0.0	0.0	1.99e-03	0.0	150.0	-0.96	-6.77	-0.57	0.05	0.0	0.0
220	61	4.91	0.0	3.85e-04	-5.41	0.0	0.94	-0.57	4.73	-0.02	-7.10	4.91
		0.0	-7.10	-2.16e-03	0.0	150.0	0.94	-5.98	4.73	-0.02	0.0	0.0
220	72	5.15	0.42	3.78e-04	-5.41	0.0	-1.17	-0.73	-0.28	0.05	0.42	5.15
		0.0	0.0	1.15e-03	0.0	150.0	-1.17	-6.14	-0.28	0.05	0.0	0.0
220	73	5.85	0.0	4.68e-04	-5.41	0.0	1.15	-1.20	4.45	-0.02	-6.67	5.85
		0.0	-6.67	-1.32e-03	0.0	150.0	1.15	-6.61	4.45	-0.02	0.0	0.0
220	86	4.86	0.0	3.63e-04	-5.41	0.0	-0.79	-0.53	3.21	-1.43e-03	-4.82	4.86
		0.0	-4.82	-7.19e-04	0.0	150.0	-0.79	-5.95	3.21	-1.43e-03	0.0	0.0
220	91	6.34	0.0	4.89e-04	-5.41	0.0	-0.35	-1.52	0.65	0.03	-0.97	6.34
		0.0	-0.97	1.40e-03	0.0	150.0	-0.35	-6.93	0.65	0.03	0.0	0.0
220	92	6.03	0.40	4.56e-04	-5.41	0.0	-0.86	-1.31	-0.27	0.04	0.40	6.03
		0.0	0.0	1.75e-03	0.0	150.0	-0.86	-6.73	-0.27	0.04	0.0	0.0
220	93	4.98	0.0	3.89e-04	-5.41	0.0	0.84	-0.61	4.43	-0.02	-6.65	4.98
		0.0	-6.65	-1.92e-03	0.0	150.0	0.84	-6.02	4.43	-0.02	0.0	0.0
220	104	5.19	0.02	3.83e-04	-5.41	0.0	-1.04	-0.75	-0.01	0.04	0.02	5.19
		0.0	0.0	1.00e-03	0.0	150.0	-1.04	-6.17	-0.01	0.04	0.0	0.0
220	105	5.81	0.0	4.63e-04	-5.41	0.0	1.02	-1.17	4.18	-0.02	-6.27	5.81
		0.0	-6.27	-1.18e-03	0.0	150.0	1.02	-6.58	4.18	-0.02	0.0	0.0
220	118	4.32	0.0	3.11e-04	-5.41	0.0	-1.40	-0.17	4.17	-0.01	-6.25	4.32
		0.0	-6.25	-1.25e-03	0.0	150.0	-1.40	-5.59	4.17	-0.01	0.0	0.0
220	123	7.05	0.83	5.47e-04	-5.41	0.0	-0.59	-1.99	-0.56	0.05	0.83	7.05
		0.0	0.0	2.65e-03	0.0	150.0	-0.59	-7.41	-0.56	0.05	0.0	0.0
220	124	6.48	3.35	4.86e-04	-5.41	0.0	-1.49	-1.61	-2.23	0.07	3.35	6.48
		0.0	0.0	3.34e-03	0.0	150.0	-1.49	-7.03	-2.23	0.07	0.0	0.0
220	125	4.53	0.0	3.59e-04	-5.41	0.0	1.47	-0.31	6.40	-0.04	-9.59	4.53
		0.0	-9.59	-3.51e-03	0.0	150.0	1.47	-5.73	6.40	-0.04	0.0	0.0
220	136	4.93	2.63	3.49e-04	-5.41	0.0	-1.83	-0.58	-1.75	0.07	2.63	4.93
		0.0	0.0	1.99e-03	0.0	150.0	-1.83	-5.99	-1.75	0.07	0.0	0.0
220	137	6.08	0.0	4.97e-04	-5.41	0.0	1.80	-1.35	5.92	-0.04	-8.88	6.08
		0.0	-8.88	-2.16e-03	0.0	150.0	1.80	-6.76	5.92	-0.04	0.0	0.0
221	1	2.28	0.0	-4.51e-04	-3.80	0.0	0.22	1.90	0.0	-2.09e-04	0.0	0.0
		0.0	0.0	-3.21e-04	0.0	480.0	0.22	-1.90	0.0	-2.09e-04	0.0	0.0
221	2	2.28	0.0	-3.84e-04	-3.80	0.0	1.02	1.90	0.0	-6.37e-05	0.0	0.0
		0.0	0.0	-2.33e-04	0.0	480.0	1.02	-1.90	0.0	-6.37e-05	0.0	0.0
221	3	1.75	0.0	-3.41e-04	-2.92	0.0	0.17	1.46	0.0	-2.47e-04	0.0	0.0
		0.0	0.0	-3.25e-04	0.0	480.0	0.17	-1.46	0.0	-2.47e-04	0.0	0.0
221	4	1.75	0.0	-2.77e-04	-2.92	0.0	0.97	1.46	0.0	-1.02e-04	0.0	0.0
		0.0	0.0	-2.37e-04	0.0	480.0	0.97	-1.46	0.0	-1.02e-04	0.0	0.0
221	9	1.75	0.0	-3.45e-04	-2.92	0.0	0.17	1.46	0.0	-1.06e-04	0.0	0.0
		0.0	0.0	-1.99e-04	0.0	480.0	0.17	-1.46	0.0	-1.06e-04	0.0	0.0
221	10	1.75	0.0	-2.99e-04	-2.92	0.0	0.70	1.46	0.0	-9.83e-06	0.0	0.0
		0.0	0.0	-1.40e-04	0.0	480.0	0.70	-1.46	0.0	-9.83e-06	0.0	0.0
221	13	1.75	0.0	-3.45e-04	-2.92	0.0	0.17	1.46	0.0	1.94e-04	0.0	0.0

		0.0	0.0	7.02e-05	0.0	480.0	0.17	-1.46	0.0	1.94e-04	0.0	0.0
221	14	1.75	0.0	-3.22e-04	-2.92	0.0	0.43	1.46	0.0	2.43e-04	0.0	0.0
		0.0	0.0	9.98e-05	0.0	480.0	0.43	-1.46	0.0	2.43e-04	0.0	0.0
221	17	1.75	0.0	-3.45e-04	-2.92	0.0	0.17	1.46	0.0	1.94e-04	0.0	0.0
		0.0	0.0	7.02e-05	0.0	480.0	0.17	-1.46	0.0	1.94e-04	0.0	0.0
221	18	1.75	0.0	-3.31e-04	-2.92	0.0	0.33	1.46	0.0	2.23e-04	0.0	0.0
		0.0	0.0	8.80e-05	0.0	480.0	0.33	-1.46	0.0	2.23e-04	0.0	0.0
221	19	1.75	0.0	-3.40e-04	-2.92	0.0	7.67	1.46	0.0	-0.04	0.0	0.0
		0.0	0.0	-3.37e-03	0.0	480.0	7.67	-1.46	0.0	-0.04	0.0	0.0
221	22	1.75	0.0	-3.22e-04	-2.92	0.0	-7.02	1.46	0.0	0.04	0.0	0.0
		0.0	0.0	3.55e-03	0.0	480.0	-7.02	-1.46	0.0	0.04	0.0	0.0
221	24	1.75	0.0	-3.47e-04	-2.92	0.0	4.54	1.46	0.0	-0.03	0.0	0.0
		0.0	0.0	-6.13e-03	0.0	480.0	4.54	-1.46	0.0	-0.03	0.0	0.0
221	25	1.75	0.0	-3.16e-04	-2.92	0.0	-3.89	1.46	0.0	0.03	0.0	0.0
		0.0	0.0	6.31e-03	0.0	480.0	-3.89	-1.46	0.0	0.03	0.0	0.0
221	32	1.75	0.0	-3.50e-04	-2.92	0.0	4.07	1.46	0.0	0.03	0.0	0.0
		0.0	0.0	-4.97e-03	0.0	480.0	4.07	-1.46	0.0	0.03	0.0	0.0
221	33	1.75	0.0	-3.13e-04	-2.92	0.0	-3.42	1.46	0.0	-0.03	0.0	0.0
		0.0	0.0	5.15e-03	0.0	480.0	-3.42	-1.46	0.0	-0.03	0.0	0.0
221	51	1.75	0.0	-3.38e-04	-2.92	0.0	5.66	1.46	0.0	-0.03	0.0	0.0
		0.0	0.0	-2.38e-03	0.0	480.0	5.66	-1.46	0.0	-0.03	0.0	0.0
221	54	1.75	0.0	-3.24e-04	-2.92	0.0	-5.01	1.46	0.0	0.03	0.0	0.0
		0.0	0.0	2.56e-03	0.0	480.0	-5.01	-1.46	0.0	0.03	0.0	0.0
221	56	1.75	0.0	-3.43e-04	-2.92	0.0	3.37	1.46	0.0	-0.02	0.0	0.0
		0.0	0.0	-4.39e-03	0.0	480.0	3.37	-1.46	0.0	-0.02	0.0	0.0
221	57	1.75	0.0	-3.20e-04	-2.92	0.0	-2.71	1.46	0.0	0.02	0.0	0.0
		0.0	0.0	4.56e-03	0.0	480.0	-2.71	-1.46	0.0	0.02	0.0	0.0
221	64	1.75	0.0	-3.45e-04	-2.92	0.0	3.03	1.46	0.0	0.02	0.0	0.0
		0.0	0.0	-3.48e-03	0.0	480.0	3.03	-1.46	0.0	0.02	0.0	0.0
221	65	1.75	0.0	-3.17e-04	-2.92	0.0	-2.38	1.46	0.0	-0.02	0.0	0.0
		0.0	0.0	3.66e-03	0.0	480.0	-2.38	-1.46	0.0	-0.02	0.0	0.0
221	83	1.75	0.0	-3.37e-04	-2.92	0.0	5.04	1.46	0.0	-0.03	0.0	0.0
		0.0	0.0	-2.09e-03	0.0	480.0	5.04	-1.46	0.0	-0.03	0.0	0.0
221	86	1.75	0.0	-3.25e-04	-2.92	0.0	-4.39	1.46	0.0	0.03	0.0	0.0
		0.0	0.0	2.26e-03	0.0	480.0	-4.39	-1.46	0.0	0.03	0.0	0.0
221	88	1.75	0.0	-3.41e-04	-2.92	0.0	3.01	1.46	0.0	-0.02	0.0	0.0
		0.0	0.0	-3.86e-03	0.0	480.0	3.01	-1.46	0.0	-0.02	0.0	0.0
221	89	1.75	0.0	-3.21e-04	-2.92	0.0	-2.36	1.46	0.0	0.02	0.0	0.0
		0.0	0.0	4.03e-03	0.0	480.0	-2.36	-1.46	0.0	0.02	0.0	0.0
221	96	1.75	0.0	-3.43e-04	-2.92	0.0	2.72	1.46	0.0	0.02	0.0	0.0
		0.0	0.0	-3.06e-03	0.0	480.0	2.72	-1.46	0.0	0.02	0.0	0.0
221	97	1.75	0.0	-3.19e-04	-2.92	0.0	-2.07	1.46	0.0	-0.02	0.0	0.0
		0.0	0.0	3.23e-03	0.0	480.0	-2.07	-1.46	0.0	-0.02	0.0	0.0
221	115	1.75	0.0	-3.42e-04	-2.92	0.0	9.19	1.46	0.0	-0.05	0.0	0.0
		0.0	0.0	-4.10e-03	0.0	480.0	9.19	-1.46	0.0	-0.05	0.0	0.0
221	118	1.75	0.0	-3.20e-04	-2.92	0.0	-8.54	1.46	0.0	0.05	0.0	0.0
		0.0	0.0	4.28e-03	0.0	480.0	-8.54	-1.46	0.0	0.05	0.0	0.0
221	120	1.75	0.0	-3.50e-04	-2.92	0.0	5.40	1.46	0.0	-0.03	0.0	0.0
		0.0	0.0	-7.45e-03	0.0	480.0	5.40	-1.46	0.0	-0.03	0.0	0.0
221	121	1.75	0.0	-3.12e-04	-2.92	0.0	-4.75	1.46	0.0	0.03	0.0	0.0
		0.0	0.0	7.63e-03	0.0	480.0	-4.75	-1.46	0.0	0.03	0.0	0.0
221	128	1.75	0.0	-3.53e-04	-2.92	0.0	4.86	1.46	0.0	0.03	0.0	0.0
		0.0	0.0	-6.12e-03	0.0	480.0	4.86	-1.46	0.0	0.03	0.0	0.0
221	129	1.75	0.0	-3.09e-04	-2.92	0.0	-4.21	1.46	0.0	-0.03	0.0	0.0
		0.0	0.0	6.29e-03	0.0	480.0	-4.21	-1.46	0.0	-0.03	0.0	0.0
222	2	39.67	0.84	-2.11e-03	-0.95	0.0	-0.02	29.23	-1.23	0.06	0.84	5.16
		5.16	-0.63	9.25e-04	0.0	120.0	-0.02	28.28	-1.23	0.06	-0.63	39.67
222	4	37.36	0.79	-1.99e-03	-0.73	0.0	-0.02	27.45	-1.17	0.05	0.79	4.86
		4.86	-0.61	8.72e-04	0.0	120.0	-0.02	26.72	-1.17	0.05	-0.61	37.36
222	5	9.93	0.21	-5.14e-04	-0.95	0.0	2.99e-03	7.67	-0.24	0.01	0.21	1.30
		1.30	-0.08	1.82e-04	0.0	120.0	2.99e-03	6.72	-0.24	0.01	-0.08	9.93
222	7	7.62	0.16	-3.98e-04	-0.73	0.0	2.90e-03	5.89	-0.18	9.93e-03	0.16	1.00
		1.00	-0.06	1.30e-04	0.0	120.0	2.90e-03	5.15	-0.18	9.93e-03	-0.06	7.62
222	10	27.46	0.58	-1.46e-03	-0.73	0.0	-0.01	20.27	-0.85	0.04	0.58	3.58
		3.58	-0.44	6.39e-04	0.0	120.0	-0.01	19.54	-0.85	0.04	-0.44	27.46
222	11	7.64	0.16	-3.96e-04	-0.73	0.0	1.63e-03	5.90	-0.19	0.01	0.16	1.00
		1.00	-0.07	1.44e-04	0.0	120.0	1.63e-03	5.16	-0.19	0.01	-0.07	7.64
222	14	17.56	0.37	-9.28e-04	-0.73	0.0	-7.05e-03	13.09	-0.54	0.03	0.37	2.29
		2.29	-0.27	4.14e-04	0.0	120.0	-7.05e-03	12.36	-0.54	0.03	-0.27	17.56
222	15	7.65	0.16	-3.97e-04	-0.73	0.0	-8.02e-04	5.91	-0.21	0.01	0.16	1.00
		1.00	-0.09	1.67e-04	0.0	120.0	-8.02e-04	5.17	-0.21	0.01	-0.09	7.65
222	17	7.65	0.16	-3.97e-04	-0.73	0.0	-1.41e-03	5.91	-0.22	0.01	0.16	1.00
		1.00	-0.10	1.73e-04	0.0	120.0	-1.41e-03	5.18	-0.22	0.01	-0.10	7.65
222	18	13.60	0.29	-7.16e-04	-0.73	0.0	-4.79e-03	10.22	-0.41	0.02	0.29	1.78
		1.78	-0.20	3.18e-04	0.0	120.0	-4.79e-03	9.49	-0.41	0.02	-0.20	13.60

222	27	17.04	-0.08	-8.83e-04	-0.73	0.0	-3.74	12.01	-4.54	0.04	-0.08	2.24
		2.24	-5.80	5.54e-04	0.0	120.0	-3.74	11.28	-4.54	0.04	-5.80	17.04
222	30	10.16	5.40	-5.48e-04	-0.73	0.0	3.73	8.43	3.72	-6.04e-03	0.66	1.31
		1.31	0.66	-8.71e-05	0.0	120.0	3.73	7.69	3.72	-6.04e-03	5.40	10.16
222	36	12.55	1.88	-4.97e-04	-0.73	0.0	-9.88	12.10	1.18	0.01	-0.46	1.31
		1.31	-0.46	-3.46e-04	0.0	120.0	-9.88	11.37	1.18	0.01	1.88	12.55
222	37	14.65	1.04	-9.34e-04	-0.73	0.0	9.87	8.34	-2.00	0.03	1.04	2.24
		2.24	-2.29	9.82e-04	0.0	120.0	9.87	7.61	-2.00	0.03	-2.29	14.65
222	42	10.96	4.29	-4.45e-04	-0.73	0.0	-5.90	10.89	2.94	1.14e-03	-0.16	1.15
		1.15	-0.16	-2.66e-04	0.0	120.0	-5.90	10.16	2.94	1.14e-03	4.29	10.96
222	59	16.26	4.77e-03	-8.46e-04	-0.73	0.0	-2.77	11.64	-3.47	0.04	4.77e-03	2.11
		2.11	-4.34	4.86e-04	0.0	120.0	-2.77	10.91	-3.47	0.04	-4.34	16.26
222	62	10.94	3.94	-5.85e-04	-0.73	0.0	2.76	8.79	2.65	6.16e-04	0.57	1.44
		1.44	0.57	1.50e-04	0.0	120.0	2.76	8.06	2.65	6.16e-04	3.94	10.94
222	68	12.86	1.34	-5.56e-04	-0.73	0.0	-7.23	11.63	0.75	0.01	-0.22	1.48
		1.48	-0.22	-1.96e-04	0.0	120.0	-7.23	10.90	0.75	0.01	1.34	12.86
222	69	14.34	0.80	-8.75e-04	-0.73	0.0	7.22	8.81	-1.57	0.02	0.80	2.07
		2.07	-1.74	8.32e-04	0.0	120.0	7.22	8.08	-1.57	0.02	-1.74	14.34
222	74	11.61	3.12	-5.13e-04	-0.73	0.0	-4.30	10.68	2.06	6.08e-03	-6.16e-03	1.35
		1.35	-6.16e-03	-1.47e-04	0.0	120.0	-4.30	9.94	2.06	6.08e-03	3.12	11.61
222	91	15.97	0.04	-8.32e-04	-0.73	0.0	-2.46	11.49	-3.12	0.04	0.04	2.08
		2.08	-3.87	4.67e-04	0.0	120.0	-2.46	10.76	-3.12	0.04	-3.87	15.97
222	94	11.23	3.46	-5.99e-04	-0.73	0.0	2.45	8.95	2.30	2.77e-03	0.54	1.48
		1.48	0.54	1.69e-04	0.0	120.0	2.45	8.22	2.30	2.77e-03	3.46	11.23
222	100	12.95	1.16	-5.74e-04	-0.73	0.0	-6.40	11.47	0.61	0.01	-0.16	1.51
		1.51	-0.16	-1.41e-04	0.0	120.0	-6.40	10.74	0.61	0.01	1.16	12.95
222	101	14.25	0.74	-8.57e-04	-0.73	0.0	6.39	8.97	-1.43	0.02	0.74	2.04
		2.04	-1.57	7.76e-04	0.0	120.0	6.39	8.24	-1.43	0.02	-1.57	14.25
222	106	11.83	2.74	-5.36e-04	-0.73	0.0	-3.80	10.62	1.77	7.62e-03	0.03	1.40
		1.40	0.03	-1.06e-04	0.0	120.0	-3.80	9.89	1.77	7.62e-03	2.74	11.83
222	123	17.69	-0.16	-9.15e-04	-0.73	0.0	-4.43	12.33	-5.39	0.05	-0.16	2.34
		2.34	-6.95	6.00e-04	0.0	120.0	-4.43	11.60	-5.39	0.05	-6.95	17.69
222	126	9.51	6.55	-5.16e-04	-0.73	0.0	4.42	8.10	4.57	-0.01	0.73	1.21
		1.21	0.73	-1.34e-04	0.0	120.0	4.42	7.37	4.57	-0.01	6.55	9.51
222	132	12.31	2.32	-4.52e-04	-0.73	0.0	-11.88	12.48	1.53	0.01	-0.64	1.19
		1.19	-0.64	-4.85e-04	0.0	120.0	-11.88	11.75	1.53	0.01	2.32	12.31
222	133	14.89	1.22	-9.81e-04	-0.73	0.0	11.87	7.96	-2.35	0.03	1.22	2.36
		2.36	-2.73	1.12e-03	0.0	120.0	11.87	7.23	-2.35	0.03	-2.73	14.89
222	138	10.42	5.22	-3.91e-04	-0.73	0.0	-7.13	11.05	3.65	-2.63e-03	-0.28	0.99
		0.99	-0.28	-3.75e-04	0.0	120.0	-7.13	10.32	3.65	-2.63e-03	5.22	10.42
224	1	0.16	0.15	-3.61e-06	-0.08	0.0	0.03	1.65	1.50	-1.41e-03	0.0	0.0
		0.0	0.0	1.60e-05	0.0	10.0	0.03	1.57	1.50	-1.41e-03	0.15	0.16
224	2	0.34	0.61	-4.91e-06	-0.08	0.0	0.07	3.49	6.14	-4.39e-03	0.0	0.0
		0.0	0.0	7.57e-05	0.0	10.0	0.07	3.41	6.14	-4.39e-03	0.61	0.34
224	3	0.13	0.12	-3.60e-06	-0.06	0.0	0.03	1.29	1.17	-1.17e-03	0.0	0.0
		0.0	0.0	1.17e-05	0.0	10.0	0.03	1.22	1.17	-1.17e-03	0.12	0.13
224	7	0.13	0.12	-4.25e-06	-0.06	0.0	0.04	1.30	1.20	-1.49e-03	0.0	0.0
		0.0	0.0	1.02e-05	0.0	10.0	0.04	1.24	1.20	-1.49e-03	0.12	0.13
224	9	0.12	0.12	-2.93e-06	-0.06	0.0	0.02	1.27	1.15	-1.03e-03	0.0	0.0
		0.0	0.0	1.25e-05	0.0	10.0	0.02	1.21	1.15	-1.03e-03	0.12	0.12
224	10	0.25	0.42	-3.80e-06	-0.06	0.0	0.05	2.50	4.25	-3.02e-03	0.0	0.0
		0.0	0.0	5.23e-05	0.0	10.0	0.05	2.43	4.25	-3.02e-03	0.42	0.25
224	11	0.13	0.12	-3.37e-06	-0.06	0.0	0.03	1.28	1.17	-1.23e-03	0.0	0.0
		0.0	0.0	1.15e-05	0.0	10.0	0.03	1.22	1.17	-1.23e-03	0.12	0.13
224	13	0.12	0.11	-2.28e-06	-0.06	0.0	0.01	1.25	1.12	-7.13e-04	0.0	0.0
		0.0	0.0	1.40e-05	0.0	10.0	0.01	1.19	1.12	-7.13e-04	0.11	0.12
224	14	0.18	0.27	-2.72e-06	-0.06	0.0	0.02	1.86	2.67	-1.71e-03	0.0	0.0
		0.0	0.0	3.39e-05	0.0	10.0	0.02	1.80	2.67	-1.71e-03	0.27	0.18
224	15	0.12	0.11	-2.50e-06	-0.06	0.0	0.02	1.26	1.13	-8.17e-04	0.0	0.0
		0.0	0.0	1.35e-05	0.0	10.0	0.02	1.20	1.13	-8.17e-04	0.11	0.12
224	17	0.12	0.11	-2.28e-06	-0.06	0.0	0.01	1.25	1.12	-7.13e-04	0.0	0.0
		0.0	0.0	1.40e-05	0.0	10.0	0.01	1.19	1.12	-7.13e-04	0.11	0.12
224	18	0.16	0.21	-2.54e-06	-0.06	0.0	0.02	1.62	2.05	-1.31e-03	0.0	0.0
		0.0	0.0	2.60e-05	0.0	10.0	0.02	1.56	2.05	-1.31e-03	0.21	0.16
224	28	0.0	0.0	4.09e-05	-0.06	0.0	-3.09	-3.68	-8.47	8.02e-03	0.0	0.0
		-0.37	-0.85	4.11e-05	0.0	10.0	-3.09	-3.74	-8.47	8.02e-03	-0.85	-0.37
224	29	0.69	1.26	-4.60e-05	-0.06	0.0	3.13	6.92	12.57	-0.01	0.0	0.0
		0.0	0.0	1.08e-05	0.0	10.0	3.13	6.86	12.57	-0.01	1.26	0.69
224	36	0.0	0.0	-2.86e-05	-0.06	0.0	-3.44	-2.79	-6.72	-5.56e-03	0.0	0.0
		-0.28	-0.67	-6.91e-06	0.0	10.0	-3.44	-2.85	-6.72	-5.56e-03	-0.67	-0.28
224	37	0.60	1.08	2.35e-05	-0.06	0.0	3.48	6.03	10.82	2.94e-03	0.0	0.0
		0.0	0.0	5.88e-05	0.0	10.0	3.48	5.97	10.82	2.94e-03	1.08	0.60
224	60	0.0	0.0	2.90e-05	-0.06	0.0	-2.30	-2.28	-5.69	5.46e-03	0.0	0.0
		-0.23	-0.57	3.48e-05	0.0	10.0	-2.30	-2.34	-5.69	5.46e-03	-0.57	-0.23
224	61	0.55	0.98	-3.41e-05	-0.06	0.0	2.34	5.52	9.80	-8.08e-03	0.0	0.0

		0.0	0.0	1.72e-05	0.0	10.0	2.34	5.46	9.80	-8.08e-03	0.98	0.55
224	68	0.0	0.0	-2.19e-05	-0.06	0.0	-2.58	-1.65	-4.46	-4.38e-03	0.0	0.0
		-0.17	-0.45	0.0	0.0	10.0	-2.58	-1.71	-4.46	-4.38e-03	-0.45	-0.17
224	69	0.49	0.86	1.68e-05	-0.06	0.0	2.61	4.89	8.57	1.76e-03	0.0	0.0
		0.0	0.0	5.23e-05	0.0	10.0	2.61	4.83	8.57	1.76e-03	0.86	0.49
224	92	0.0	0.0	2.53e-05	-0.06	0.0	-2.04	-1.83	-4.81	4.67e-03	0.0	0.0
		-0.19	-0.48	3.35e-05	0.0	10.0	-2.04	-1.89	-4.81	4.67e-03	-0.48	-0.19
224	93	0.50	0.89	-3.04e-05	-0.06	0.0	2.08	5.07	8.91	-7.29e-03	0.0	0.0
		0.0	0.0	1.84e-05	0.0	10.0	2.08	5.01	8.91	-7.29e-03	0.89	0.50
224	100	0.0	0.0	-1.97e-05	-0.06	0.0	-2.28	-1.28	-3.72	-4.02e-03	0.0	0.0
		-0.13	-0.37	2.36e-06	0.0	10.0	-2.28	-1.34	-3.72	-4.02e-03	-0.37	-0.13
224	101	0.45	0.78	1.46e-05	-0.06	0.0	2.32	4.52	7.82	1.40e-03	0.0	0.0
		0.0	0.0	4.96e-05	0.0	10.0	2.32	4.46	7.82	1.40e-03	0.78	0.45
224	124	0.0	0.0	5.01e-05	-0.06	0.0	-3.70	-4.79	-10.67	9.95e-03	0.0	0.0
		-0.48	-1.07	4.46e-05	0.0	10.0	-3.70	-4.86	-10.67	9.95e-03	-1.07	-0.48
224	125	0.80	1.48	-5.52e-05	-0.06	0.0	3.74	8.03	14.77	-0.01	0.0	0.0
		0.0	0.0	7.33e-06	0.0	10.0	3.74	7.97	14.77	-0.01	1.48	0.80
224	132	0.0	0.0	-3.40e-05	-0.06	0.0	-4.14	-3.70	-8.54	-6.45e-03	0.0	0.0
		-0.37	-0.85	-1.37e-05	0.0	10.0	-4.14	-3.76	-8.54	-6.45e-03	-0.85	-0.37
224	133	0.69	1.26	2.89e-05	-0.06	0.0	4.17	6.94	12.64	3.83e-03	0.0	0.0
		0.0	0.0	6.56e-05	0.0	10.0	4.17	6.88	12.64	3.83e-03	1.26	0.69
225	1	0.83	0.01	8.72e-05	-2.53	0.0	5.35	1.06	-3.47e-03	-3.41e-04	0.01	0.12
		-0.54	4.16e-05	-1.58e-04	0.0	320.0	5.35	-1.47	-3.47e-03	-3.41e-04	4.16e-05	-0.54
225	2	1.28	0.04	2.56e-04	-2.53	0.0	21.96	0.64	3.50e-03	-2.72e-04	0.02	1.02
		-0.97	0.02	-1.94e-04	0.0	320.0	21.96	-1.89	3.50e-03	-2.72e-04	0.04	-0.97
225	3	0.65	9.69e-03	6.81e-05	-1.95	0.0	4.09	0.82	-1.56e-03	-3.62e-04	9.69e-03	0.10
		-0.39	4.68e-03	-1.61e-04	0.0	320.0	4.09	-1.13	-1.56e-03	-3.62e-04	4.68e-03	-0.39
225	4	1.14	0.04	2.37e-04	-1.95	0.0	20.70	0.40	5.41e-03	-2.93e-04	0.02	1.00
		-0.83	0.02	-1.97e-04	0.0	320.0	20.70	-1.55	5.41e-03	-2.93e-04	0.04	-0.83
225	9	0.64	7.98e-03	6.78e-05	-1.95	0.0	4.07	0.82	-2.47e-03	-2.06e-04	7.98e-03	0.09
		-0.41	8.69e-05	-1.03e-04	0.0	320.0	4.07	-1.13	-2.47e-03	-2.06e-04	8.69e-05	-0.41
225	10	0.93	0.02	1.81e-04	-1.95	0.0	15.15	0.54	2.18e-03	-1.60e-04	0.02	0.69
		-0.69	0.02	-1.26e-04	0.0	320.0	15.15	-1.41	2.18e-03	-1.60e-04	0.02	-0.69
225	13	0.63	4.40e-03	6.87e-05	-1.95	0.0	3.98	0.83	-3.37e-03	1.21e-04	4.40e-03	0.07
		-0.40	-6.38e-03	1.65e-05	0.0	320.0	3.98	-1.12	-3.37e-03	1.21e-04	-6.38e-03	-0.40
225	14	0.76	8.63e-03	1.25e-04	-1.95	0.0	9.52	0.69	-1.04e-03	1.45e-04	8.63e-03	0.37
		-0.55	5.29e-03	4.73e-06	0.0	320.0	9.52	-1.26	-1.04e-03	1.45e-04	5.29e-03	-0.55
225	17	0.63	4.40e-03	6.87e-05	-1.95	0.0	3.98	0.83	-3.37e-03	1.21e-04	4.40e-03	0.07
		-0.40	-6.38e-03	1.65e-05	0.0	320.0	3.98	-1.12	-3.37e-03	1.21e-04	-6.38e-03	-0.40
225	18	0.70	6.94e-03	1.03e-04	-1.95	0.0	7.30	0.74	-1.97e-03	1.35e-04	6.94e-03	0.25
		-0.49	6.21e-04	9.45e-06	0.0	320.0	7.30	-1.21	-1.97e-03	1.35e-04	6.21e-04	-0.49
225	19	0.97	5.51	2.08e-04	-1.95	0.0	0.50	0.11	1.07	0.01	5.51	0.96
		-1.84	0.59	-6.75e-03	0.0	320.0	0.50	-1.84	1.07	0.01	0.59	-1.84
225	20	1.77	3.00	2.93e-04	-1.95	0.0	-4.46	-0.52	1.97	0.02	3.00	1.77
		-3.04	1.01	-0.01	0.0	320.0	-4.46	-2.46	1.97	0.02	1.01	-3.04
225	21	2.06	-1.01	-1.73e-04	-1.95	0.0	19.07	2.00	-1.97	-0.02	-2.98	-1.27
		-1.27	-2.98	0.01	0.0	320.0	19.07	0.05	-1.97	-0.02	-1.01	2.06
225	22	1.12	-0.59	-9.34e-05	-1.95	0.0	14.10	1.38	-1.08	-0.01	-5.49	-0.46
		-0.46	-5.49	6.77e-03	0.0	320.0	14.10	-0.57	-1.08	-0.01	-0.59	0.86
225	28	1.92	2.37	3.17e-04	-1.95	0.0	-4.07	-0.65	1.79	0.01	2.37	1.92
		-3.33	1.14	-0.01	0.0	320.0	-4.07	-2.60	1.79	0.01	1.14	-3.33
225	29	2.35	-1.14	-1.97e-04	-1.95	0.0	18.67	2.14	-1.80	-0.01	-2.36	-1.42
		-1.42	-2.36	0.01	0.0	320.0	18.67	0.19	-1.80	-0.01	-1.14	2.35
225	51	0.84	4.04	1.79e-04	-1.95	0.0	2.29	0.28	0.80	8.25e-03	4.04	0.78
		-1.48	0.45	-4.91e-03	0.0	320.0	2.29	-1.67	0.80	8.25e-03	0.45	-1.48
225	52	1.39	2.21	2.42e-04	-1.95	0.0	-1.45	-0.19	1.45	0.01	2.21	1.39
		-2.38	0.77	-8.69e-03	0.0	320.0	-1.45	-2.14	1.45	0.01	0.77	-2.38
225	53	1.45	-0.77	-1.22e-04	-1.95	0.0	16.05	1.68	-1.45	-0.01	-2.20	-0.89
		-0.89	-2.20	8.71e-03	0.0	320.0	16.05	-0.27	-1.45	-0.01	-0.77	1.40
225	54	0.94	-0.45	-6.80e-05	-1.95	0.0	12.32	1.21	-0.80	-7.98e-03	-4.03	-0.28
		-0.28	-4.03	4.93e-03	0.0	320.0	12.32	-0.74	-0.80	-7.98e-03	-0.45	0.50
225	60	1.50	1.76	2.58e-04	-1.95	0.0	-1.22	-0.30	1.33	9.91e-03	1.76	1.50
		-2.59	0.88	-7.87e-03	0.0	320.0	-1.22	-2.25	1.33	9.91e-03	0.88	-2.59
225	61	1.63	-0.88	-1.39e-04	-1.95	0.0	15.82	1.78	-1.33	-9.64e-03	-1.74	-1.00
		-1.00	-1.74	7.89e-03	0.0	320.0	15.82	-0.17	-1.33	-9.64e-03	-0.88	1.61
225	83	0.80	3.58	1.70e-04	-1.95	0.0	2.86	0.33	0.70	7.33e-03	3.58	0.72
		-1.36	0.40	-4.34e-03	0.0	320.0	2.86	-1.62	0.70	7.33e-03	0.40	-1.36
225	84	1.26	1.96	2.26e-04	-1.95	0.0	-0.45	-0.09	1.28	0.01	1.96	1.26
		-2.16	0.69	-7.67e-03	0.0	320.0	-0.45	-2.04	1.28	0.01	0.69	-2.16
225	85	1.29	-0.69	-1.06e-04	-1.95	0.0	15.06	1.57	-1.29	-0.01	-1.94	-0.76
		-0.76	-1.94	7.69e-03	0.0	320.0	15.06	-0.38	-1.29	-0.01	-0.69	1.18
225	86	0.89	-0.40	-6.07e-05	-1.95	0.0	11.74	1.16	-0.71	-7.06e-03	-3.56	-0.22
		-0.22	-3.56	4.36e-03	0.0	320.0	11.74	-0.79	-0.71	-7.06e-03	-0.40	0.39
225	92	1.36	1.56	2.40e-04	-1.95	0.0	-0.26	-0.18	1.17	8.80e-03	1.56	1.36
		-2.35	0.79	-6.95e-03	0.0	320.0	-0.26	-2.13	1.17	8.80e-03	0.79	-2.35

225	93	1.44	-0.78	-1.21e-04	-1.95	0.0	14.87	1.67	-1.18	-8.53e-03	-1.54	-0.86
		-0.86	-1.54	6.97e-03	0.0	320.0	14.87	-0.28	-1.18	-8.53e-03	-0.78	1.37
225	115	1.11	6.58	2.29e-04	-1.95	0.0	-0.87	-0.02	1.27	0.01	6.58	1.11
		-2.12	0.68	-8.05e-03	0.0	320.0	-0.87	-1.97	1.27	0.01	0.68	-2.12
225	116	2.09	3.55	3.35e-04	-1.95	0.0	-6.86	-0.78	2.35	0.02	3.55	2.09
		-3.57	1.18	-0.01	0.0	320.0	-6.86	-2.73	2.35	0.02	1.18	-3.57
225	117	2.59	-1.18	-2.14e-04	-1.95	0.0	21.46	2.26	-2.35	-0.02	-3.54	-1.59
		-1.59	-3.54	0.01	0.0	320.0	21.46	0.32	-2.35	-0.02	-1.18	2.59
225	118	1.29	-0.68	-1.13e-04	-1.95	0.0	15.47	1.51	-1.27	-0.01	-6.57	-0.61
		-0.61	-6.57	8.07e-03	0.0	320.0	15.47	-0.44	-1.27	-0.01	-0.68	1.14
225	124	2.27	2.82	3.65e-04	-1.95	0.0	-6.39	-0.95	2.14	0.02	2.82	2.27
		-3.93	1.34	-0.01	0.0	320.0	-6.39	-2.90	2.14	0.02	1.34	-3.93
225	125	2.95	-1.34	-2.44e-04	-1.95	0.0	21.00	2.44	-2.15	-0.02	-2.81	-1.77
		-1.77	-2.81	0.01	0.0	320.0	21.00	0.49	-2.15	-0.02	-1.34	2.95
226	1	0.84	8.52e-03	5.40e-05	-2.53	0.0	0.40	1.11	-1.73e-03	-3.76e-04	8.52e-03	0.06
		-0.45	2.99e-03	-6.54e-05	0.0	320.0	0.40	-1.43	-1.73e-03	-3.76e-04	2.99e-03	-0.45
226	2	1.16	0.03	1.65e-04	-2.53	0.0	0.81	0.78	5.61e-03	-4.96e-04	8.91e-03	0.78
		-0.79	8.91e-03	-8.90e-05	0.0	320.0	0.81	-1.76	5.61e-03	-4.96e-04	0.03	-0.79
226	3	0.65	8.50e-03	4.22e-05	-1.95	0.0	0.26	0.86	-1.18e-03	-3.80e-04	8.50e-03	0.05
		-0.33	4.71e-03	-6.58e-05	0.0	320.0	0.26	-1.09	-1.18e-03	-3.80e-04	4.71e-03	-0.33
226	4	1.00	0.03	1.53e-04	-1.95	0.0	0.67	0.52	6.15e-03	-5.01e-04	8.89e-03	0.77
		-0.67	8.89e-03	-8.94e-05	0.0	320.0	0.67	-1.43	6.15e-03	-5.01e-04	0.03	-0.67
226	9	0.65	5.73e-03	4.20e-05	-1.95	0.0	0.27	0.86	-1.09e-03	-2.47e-04	5.73e-03	0.05
		-0.34	2.25e-03	-4.36e-05	0.0	320.0	0.27	-1.09	-1.09e-03	-2.47e-04	2.25e-03	-0.34
226	10	0.86	0.02	1.16e-04	-1.95	0.0	0.55	0.63	3.80e-03	-3.27e-04	6.00e-03	0.53
		-0.56	6.00e-03	-5.94e-05	0.0	320.0	0.55	-1.32	3.80e-03	-3.27e-04	0.02	-0.56
226	13	0.64	2.68e-04	4.25e-05	-1.95	0.0	0.24	0.86	-5.08e-04	2.17e-05	2.68e-04	0.04
		-0.33	-1.36e-03	0.0	0.0	320.0	0.24	-1.09	-5.08e-04	2.17e-05	-1.36e-03	-0.33
226	14	0.74	6.60e-03	7.94e-05	-1.95	0.0	0.38	0.75	1.94e-03	-1.84e-05	3.99e-04	0.28
		-0.45	3.99e-04	-7.47e-06	0.0	320.0	0.38	-1.20	1.94e-03	-1.84e-05	6.60e-03	-0.45
226	17	0.64	2.68e-04	4.25e-05	-1.95	0.0	0.24	0.86	-5.08e-04	2.17e-05	2.68e-04	0.04
		-0.33	-1.36e-03	0.0	0.0	320.0	0.24	-1.09	-5.08e-04	2.17e-05	-1.36e-03	-0.33
226	18	0.70	3.41e-03	6.46e-05	-1.95	0.0	0.32	0.79	9.59e-04	-2.38e-06	3.47e-04	0.18
		-0.40	3.47e-04	-4.32e-06	0.0	320.0	0.32	-1.16	9.59e-04	-2.38e-06	3.41e-03	-0.40
226	19	1.12	4.19	1.30e-04	-1.95	0.0	-6.08	0.14	0.85	0.04	4.19	1.11
		-1.56	0.48	0.02	0.0	320.0	-6.08	-1.81	0.85	0.04	0.48	-1.56
226	22	0.97	-0.47	-7.27e-05	-1.95	0.0	6.73	1.44	-0.84	-0.04	-4.18	-0.74
		-0.74	-4.18	-0.02	0.0	320.0	6.73	-0.51	-0.84	-0.04	-0.47	0.76
226	28	2.17	1.78	1.97e-04	-1.95	0.0	-13.61	-0.60	1.38	0.02	1.78	2.17
		-2.87	0.89	0.01	0.0	320.0	-13.61	-2.55	1.38	0.02	0.89	-2.87
226	29	2.07	-0.89	-1.38e-04	-1.95	0.0	14.25	2.18	-1.38	-0.02	-1.78	-1.80
		-1.80	-1.78	-0.01	0.0	320.0	14.25	0.23	-1.38	-0.02	-0.89	2.07
226	51	0.94	3.07	1.12e-04	-1.95	0.0	-4.41	0.32	0.63	0.03	3.07	0.86
		-1.25	0.36	0.01	0.0	320.0	-4.41	-1.63	0.63	0.03	0.36	-1.25
226	54	0.83	-0.36	-5.83e-05	-1.95	0.0	5.05	1.27	-0.62	-0.03	-3.07	-0.49
		-0.49	-3.07	-0.01	0.0	320.0	5.05	-0.68	-0.62	-0.03	-0.36	0.45
226	60	1.66	1.32	1.61e-04	-1.95	0.0	-10.01	-0.24	1.02	0.02	1.32	1.66
		-2.23	0.69	7.99e-03	0.0	320.0	-10.01	-2.19	1.02	0.02	0.69	-2.23
226	61	1.44	-0.68	-1.02e-04	-1.95	0.0	10.66	1.82	-1.02	-0.02	-1.32	-1.29
		-1.29	-1.32	-8.00e-03	0.0	320.0	10.66	-0.13	-1.02	-0.02	-0.68	1.42
226	83	0.89	2.72	1.07e-04	-1.95	0.0	-3.86	0.37	0.55	0.03	2.72	0.78
		-1.15	0.32	0.01	0.0	320.0	-3.86	-1.58	0.55	0.03	0.32	-1.15
226	86	0.79	-0.32	-5.44e-05	-1.95	0.0	4.50	1.21	-0.55	-0.03	-2.72	-0.41
		-0.41	-2.72	-0.01	0.0	320.0	4.50	-0.74	-0.55	-0.03	-0.32	0.35
226	92	1.49	1.17	1.50e-04	-1.95	0.0	-8.84	-0.12	0.90	0.01	1.17	1.49
		-2.02	0.61	7.07e-03	0.0	320.0	-8.84	-2.07	0.90	0.01	0.61	-2.02
226	93	1.26	-0.60	-9.17e-05	-1.95	0.0	9.48	1.70	-0.90	-0.01	-1.17	-1.12
		-1.12	-1.17	-7.08e-03	0.0	320.0	9.48	-0.25	-0.90	-0.01	-0.60	1.22
226	115	1.30	5.00	1.43e-04	-1.95	0.0	-7.37	6.51e-03	1.00	0.05	5.00	1.30
		-1.80	0.56	0.02	0.0	320.0	-7.37	-1.94	1.00	0.05	0.56	-1.80
226	118	1.11	-0.55	-8.44e-05	-1.95	0.0	8.01	1.58	-1.00	-0.05	-5.00	-0.93
		-0.93	-5.00	-0.02	0.0	320.0	8.01	-0.37	-1.00	-0.05	-0.55	1.00
226	124	2.59	2.11	2.28e-04	-1.95	0.0	-16.49	-0.89	1.65	0.02	2.11	2.59
		-3.39	1.05	0.01	0.0	320.0	-16.49	-2.84	1.65	0.02	1.05	-3.39
226	125	2.59	-1.05	-1.67e-04	-1.95	0.0	17.13	2.48	-1.64	-0.02	-2.11	-2.22
		-2.22	-2.11	-0.01	0.0	320.0	17.13	0.53	-1.64	-0.02	-1.05	2.59
227	1	0.67	0.0	-2.57e-04	-2.00	0.0	17.02	1.25	7.22e-03	-2.04e-03	-0.03	-1.20
		-1.20	-0.03	-3.90e-04	0.0	480.0	17.02	-0.75	7.22e-03	-2.04e-03	0.0	0.0
227	2	0.75	0.0	-2.04e-04	-2.00	0.0	16.78	1.21	1.72e-03	2.94e-03	-8.23e-03	-1.00
		-1.00	-8.23e-03	-1.60e-04	0.0	480.0	16.78	-0.79	1.72e-03	2.94e-03	0.0	0.0
227	3	0.52	0.0	-1.85e-04	-1.54	0.0	13.06	0.96	6.02e-03	-1.58e-03	-0.03	-0.92
		-0.92	-0.03	-3.82e-04	0.0	480.0	13.06	-0.58	6.02e-03	-1.58e-03	0.0	0.0
227	5	0.64	0.0	-2.48e-04	-2.00	0.0	16.91	1.26	9.95e-03	-1.35e-03	-0.05	-1.28
		-1.28	-0.05	-6.50e-04	0.0	480.0	16.91	-0.73	9.95e-03	-1.35e-03	0.0	0.0
227	8	0.54	0.0	-1.39e-04	-1.54	0.0	12.79	0.95	4.90e-03	2.60e-03	-0.02	-0.86

		-0.86	-0.02	-4.81e-04	0.0	480.0	12.79	-0.59	4.90e-03	2.60e-03	0.0	0.0
227	9	0.53	0.0	-1.95e-04	-1.54	0.0	13.11	0.95	4.92e-03	-1.79e-03	-0.02	-0.89
		-0.89	-0.02	-2.57e-04	0.0	480.0	13.11	-0.58	4.92e-03	-1.79e-03	0.0	0.0
227	10	0.58	0.0	-1.60e-04	-1.54	0.0	12.95	0.93	1.25e-03	1.53e-03	-6.01e-03	-0.76
		-0.76	-6.01e-03	-1.03e-04	0.0	480.0	12.95	-0.61	1.25e-03	1.53e-03	0.0	0.0
227	11	0.51	0.0	-1.89e-04	-1.54	0.0	13.04	0.97	6.74e-03	-1.33e-03	-0.03	-0.95
		-0.95	-0.03	-4.30e-04	0.0	480.0	13.04	-0.57	6.74e-03	-1.33e-03	0.0	0.0
227	12	0.54	0.0	-1.63e-04	-1.54	0.0	12.93	0.95	4.18e-03	1.00e-03	-0.02	-0.86
		-0.86	-0.02	-3.23e-04	0.0	480.0	12.93	-0.59	4.18e-03	1.00e-03	0.0	0.0
227	13	0.56	0.0	-2.04e-04	-1.54	0.0	13.22	0.94	2.18e-03	-2.49e-03	-0.01	-0.81
		-0.81	-0.01	1.07e-05	0.0	480.0	13.22	-0.60	2.18e-03	-2.49e-03	0.0	0.0
227	14	0.58	0.0	-1.86e-04	-1.54	0.0	13.14	0.92	3.49e-04	-8.25e-04	-1.68e-03	-0.75
		-0.75	-1.68e-03	8.05e-05	0.0	480.0	13.14	-0.61	3.49e-04	-8.25e-04	0.0	0.0
227	15	0.55	0.0	-2.01e-04	-1.54	0.0	13.19	0.94	3.09e-03	-2.25e-03	-0.01	-0.84
		-0.84	-0.01	-8.30e-05	0.0	480.0	13.19	-0.59	3.09e-03	-2.25e-03	0.0	0.0
227	16	0.56	0.0	-1.90e-04	-1.54	0.0	13.14	0.93	1.99e-03	-1.26e-03	-9.58e-03	-0.80
		-0.80	-9.58e-03	-3.70e-05	0.0	480.0	13.14	-0.60	1.99e-03	-1.26e-03	0.0	0.0
227	17	0.56	0.0	-2.04e-04	-1.54	0.0	13.22	0.94	2.18e-03	-2.49e-03	-0.01	-0.81
		-0.81	-0.01	1.07e-05	0.0	480.0	13.22	-0.60	2.18e-03	-2.49e-03	0.0	0.0
227	18	0.57	0.0	-1.93e-04	-1.54	0.0	13.17	0.93	1.08e-03	-1.49e-03	-5.20e-03	-0.77
		-0.77	-5.20e-03	4.98e-05	0.0	480.0	13.17	-0.61	1.08e-03	-1.49e-03	0.0	0.0
227	20	7.42	1.09	-1.26e-03	-1.54	0.0	18.39	-0.78	-0.23	-0.14	1.09	7.42
		0.0	0.0	-1.08e-03	0.0	480.0	18.39	-2.31	-0.23	-0.14	0.0	0.0
227	21	0.0	0.0	9.36e-04	-1.54	0.0	7.96	2.64	0.23	0.14	-1.10	-8.97
		-8.97	-1.10	1.13e-03	0.0	480.0	7.96	1.10	0.23	0.14	0.0	0.0
227	23	4.17	0.80	-8.55e-04	-1.54	0.0	21.27	-0.10	-0.17	-0.23	0.80	4.17
		0.0	0.0	-8.10e-04	0.0	480.0	21.27	-1.64	-0.17	-0.23	0.0	0.0
227	26	0.0	0.0	5.30e-04	-1.54	0.0	5.08	1.96	0.17	0.23	-0.81	-5.72
		-5.72	-0.81	8.68e-04	0.0	480.0	5.08	0.42	0.17	0.23	0.0	0.0
227	28	7.44	0.89	-1.25e-03	-1.54	0.0	17.82	-0.78	-0.19	0.18	0.89	7.44
		0.0	0.0	7.97e-04	0.0	480.0	17.82	-2.32	-0.19	0.18	0.0	0.0
227	29	0.0	0.0	9.27e-04	-1.54	0.0	8.53	2.64	0.19	-0.18	-0.90	-8.98
		-8.98	-0.90	-6.97e-04	0.0	480.0	8.53	1.10	0.19	-0.18	0.0	0.0
227	52	5.26	0.83	-9.71e-04	-1.54	0.0	16.96	-0.33	-0.17	-0.10	0.83	5.26
		0.0	0.0	-8.13e-04	0.0	480.0	16.96	-1.86	-0.17	-0.10	0.0	0.0
227	53	0.0	0.0	6.49e-04	-1.54	0.0	9.39	2.19	0.17	0.10	-0.84	-6.81
		-6.81	-0.84	8.68e-04	0.0	480.0	9.39	0.65	0.17	0.10	0.0	0.0
227	55	2.90	0.61	-6.73e-04	-1.54	0.0	19.06	0.17	-0.13	-0.17	0.61	2.85
		0.0	0.0	-6.19e-04	0.0	480.0	19.06	-1.36	-0.13	-0.17	0.0	0.0
227	58	0.0	0.0	3.48e-04	-1.54	0.0	7.29	1.68	0.13	0.17	-0.62	-4.40
		-4.40	-0.62	6.78e-04	0.0	480.0	7.29	0.15	0.13	0.17	0.0	0.0
227	60	5.28	0.68	-9.65e-04	-1.54	0.0	16.55	-0.33	-0.14	0.13	0.68	5.28
		0.0	0.0	7.12e-04	0.0	480.0	16.55	-1.87	-0.14	0.13	0.0	0.0
227	61	0.0	0.0	6.44e-04	-1.54	0.0	9.80	2.19	0.14	-0.14	-0.69	-6.82
		-6.82	-0.69	-6.12e-04	0.0	480.0	9.80	0.65	0.14	-0.14	0.0	0.0
227	84	4.57	0.73	-8.79e-04	-1.54	0.0	16.52	-0.18	-0.15	-0.09	0.73	4.57
		0.0	0.0	-7.18e-04	0.0	480.0	16.52	-1.72	-0.15	-0.09	0.0	0.0
227	85	0.0	0.0	5.57e-04	-1.54	0.0	9.83	2.04	0.15	0.09	-0.74	-6.11
		-6.11	-0.74	7.73e-04	0.0	480.0	9.83	0.51	0.15	0.09	0.0	0.0
227	87	2.54	0.54	-6.16e-04	-1.54	0.0	18.37	0.26	-0.11	-0.15	0.54	2.43
		0.0	0.0	-5.47e-04	0.0	480.0	18.37	-1.27	-0.11	-0.15	0.0	0.0
227	90	0.0	0.0	2.92e-04	-1.54	0.0	7.98	1.60	0.12	0.15	-0.55	-3.98
		-3.98	-0.55	6.05e-04	0.0	480.0	7.98	0.06	0.12	0.15	0.0	0.0
227	92	4.58	0.61	-8.73e-04	-1.54	0.0	16.15	-0.19	-0.13	0.12	0.61	4.58
		0.0	0.0	6.47e-04	0.0	480.0	16.15	-1.72	-0.13	0.12	0.0	0.0
227	93	0.0	0.0	5.53e-04	-1.54	0.0	10.19	2.05	0.13	-0.12	-0.62	-6.13
		-6.13	-0.62	-5.47e-04	0.0	480.0	10.19	0.51	0.13	-0.12	0.0	0.0
227	116	9.10	1.27	-1.48e-03	-1.54	0.0	19.43	-1.13	-0.26	-0.16	1.27	9.10
		0.0	0.0	-1.25e-03	0.0	480.0	19.43	-2.66	-0.26	-0.16	0.0	0.0
227	117	0.0	0.0	1.16e-03	-1.54	0.0	6.92	2.99	0.27	0.16	-1.28	-10.65
		-10.65	-1.28	1.31e-03	0.0	480.0	6.92	1.45	0.27	0.16	0.0	0.0
227	119	5.18	0.93	-9.95e-04	-1.54	0.0	22.90	-0.31	-0.19	-0.28	0.93	5.18
		0.0	0.0	-9.27e-04	0.0	480.0	22.90	-1.85	-0.19	-0.28	0.0	0.0
227	122	0.0	0.0	6.68e-04	-1.54	0.0	3.45	2.17	0.20	0.28	-0.94	-6.72
		-6.72	-0.94	9.83e-04	0.0	480.0	3.45	0.63	0.20	0.28	0.0	0.0
227	124	9.15	1.05	-1.47e-03	-1.54	0.0	18.79	-1.14	-0.22	0.22	1.05	9.15
		0.0	0.0	9.11e-04	0.0	480.0	18.79	-2.67	-0.22	0.22	0.0	0.0
227	125	0.0	0.0	1.15e-03	-1.54	0.0	7.56	3.00	0.22	-0.22	-1.06	-10.69
		-10.69	-1.06	-8.12e-04	0.0	480.0	7.56	1.46	0.22	-0.22	0.0	0.0
228	2	0.58	0.0	-2.36e-04	-0.67	0.0	17.67	0.70	-2.96e-03	0.02	0.0	0.0
		0.0	-4.74e-03	-2.76e-05	0.0	160.0	17.67	0.03	-2.96e-03	0.02	-4.74e-03	0.58
228	3	0.25	0.0	-6.61e-05	-0.51	0.0	13.50	0.40	-9.18e-03	7.83e-03	0.0	0.0
		0.0	-0.01	-4.30e-05	0.0	160.0	13.50	-0.11	-9.18e-03	7.83e-03	-0.01	0.23
228	5	0.37	0.0	-9.79e-05	-0.67	0.0	17.64	0.55	-0.02	0.01	0.0	0.0
		0.0	-0.02	-7.69e-05	0.0	160.0	17.64	-0.11	-0.02	0.01	-0.02	0.35

228	6	0.58	0.0	-2.13e-04	-0.67	0.0	17.76	0.70	-9.61e-03	0.02	0.0	0.0
		0.0	-0.02	-7.60e-05	0.0	160.0	17.76	0.03	-9.61e-03	0.02	-0.02	0.58
228	9	0.21	0.0	-5.22e-05	-0.51	0.0	13.43	0.37	-7.48e-03	6.66e-03	0.0	0.0
		0.0	-0.01	-1.66e-05	0.0	160.0	13.43	-0.14	-7.48e-03	6.66e-03	-0.01	0.18
228	10	0.40	0.0	-1.62e-04	-0.51	0.0	13.55	0.51	-2.13e-03	0.01	0.0	0.0
		0.0	-3.40e-03	-1.58e-05	0.0	160.0	13.55	-6.31e-03	-2.13e-03	0.01	-3.40e-03	0.40
228	11	0.26	0.0	-6.94e-05	-0.51	0.0	13.53	0.41	-0.01	8.79e-03	0.0	0.0
		0.0	-0.02	-4.86e-05	0.0	160.0	13.53	-0.10	-0.01	8.79e-03	-0.02	0.24
228	12	0.40	0.0	-1.46e-04	-0.51	0.0	13.61	0.51	-6.56e-03	0.01	0.0	0.0
		0.0	-0.01	-4.81e-05	0.0	160.0	13.61	-6.47e-03	-6.56e-03	0.01	-0.01	0.40
228	13	0.15	0.0	-2.63e-05	-0.51	0.0	13.28	0.31	-3.24e-03	3.45e-03	0.0	0.0
		0.0	-5.19e-03	3.15e-05	0.0	160.0	13.28	-0.21	-3.24e-03	3.45e-03	-5.19e-03	0.08
228	14	0.22	0.0	-8.11e-05	-0.51	0.0	13.34	0.38	-5.65e-04	7.41e-03	0.0	0.0
		0.0	-9.04e-04	3.19e-05	0.0	160.0	13.34	-0.14	-5.65e-04	7.41e-03	-9.04e-04	0.19
228	15	0.17	0.0	-3.49e-05	-0.51	0.0	13.33	0.33	-4.66e-03	4.52e-03	0.0	0.0
		0.0	-7.45e-03	1.55e-05	0.0	160.0	13.33	-0.19	-4.66e-03	4.52e-03	-7.45e-03	0.11
228	16	0.21	0.0	-6.78e-05	-0.51	0.0	13.36	0.37	-3.05e-03	6.89e-03	0.0	0.0
		0.0	-4.88e-03	1.57e-05	0.0	160.0	13.36	-0.14	-3.05e-03	6.89e-03	-4.88e-03	0.18
228	17	0.15	0.0	-2.63e-05	-0.51	0.0	13.28	0.31	-3.24e-03	3.45e-03	0.0	0.0
		0.0	-5.19e-03	3.15e-05	0.0	160.0	13.28	-0.21	-3.24e-03	3.45e-03	-5.19e-03	0.08
228	18	0.19	0.0	-5.92e-05	-0.51	0.0	13.31	0.35	-1.64e-03	5.83e-03	0.0	0.0
		0.0	-2.62e-03	3.17e-05	0.0	160.0	13.31	-0.16	-1.64e-03	5.83e-03	-2.62e-03	0.15
228	20	0.0	0.60	-3.78e-04	-0.51	0.0	6.06	-1.44	0.38	0.19	0.0	0.0
		-2.71	0.0	-3.10e-04	0.0	160.0	6.06	-1.95	0.38	0.19	0.60	-2.71
228	21	3.01	0.0	2.60e-04	-0.51	0.0	20.56	2.14	-0.38	-0.18	0.0	0.0
		0.0	-0.61	3.73e-04	0.0	160.0	20.56	1.62	-0.38	-0.18	-0.61	3.01
228	23	0.0	0.59	-8.73e-05	-0.51	0.0	9.39	-2.43	0.37	0.33	0.0	0.0
		-4.30	0.0	6.18e-05	0.0	160.0	9.39	-2.95	0.37	0.33	0.59	-4.30
228	26	4.60	0.0	-9.45e-05	-0.51	0.0	17.24	3.13	-0.37	-0.32	0.0	0.0
		0.0	-0.59	5.81e-05	0.0	160.0	17.24	2.62	-0.37	-0.32	-0.59	4.60
228	36	1.68	0.46	-5.58e-04	-0.51	0.0	5.74	1.31	0.29	-0.19	0.0	0.0
		0.0	0.0	-5.56e-04	0.0	160.0	5.74	0.80	0.29	-0.19	0.46	1.68
228	37	0.0	0.0	4.40e-04	-0.51	0.0	20.89	-0.61	-0.29	0.20	0.0	0.0
		-1.39	-0.47	6.19e-04	0.0	160.0	20.89	-1.13	-0.29	0.20	-0.47	-1.39
228	51	0.0	0.32	-1.06e-04	-0.51	0.0	10.59	-1.68	0.20	0.27	0.0	0.0
		-3.09	0.0	2.39e-05	0.0	160.0	10.59	-2.19	0.20	0.27	0.32	-3.09
228	52	0.0	0.46	-3.09e-04	-0.51	0.0	7.90	-0.95	0.29	0.14	0.0	0.0
		-1.93	0.0	-1.98e-04	0.0	160.0	7.90	-1.46	0.29	0.14	0.46	-1.93
228	53	2.23	0.0	1.91e-04	-0.51	0.0	18.72	1.65	-0.29	-0.13	0.0	0.0
		0.0	-0.47	2.61e-04	0.0	160.0	18.72	1.14	-0.29	-0.13	-0.47	2.23
228	54	3.39	0.0	-6.42e-05	-0.51	0.0	16.03	2.37	-0.20	-0.25	0.0	0.0
		0.0	-0.32	5.66e-05	0.0	160.0	16.03	1.86	-0.20	-0.25	-0.32	3.39
228	72	1.30	0.33	-4.48e-04	-0.51	0.0	7.61	1.07	0.21	-0.14	0.0	0.0
		0.0	0.0	-4.59e-04	0.0	160.0	7.61	0.56	0.21	-0.14	0.33	1.30
228	73	0.0	0.0	3.30e-04	-0.51	0.0	19.02	-0.38	-0.21	0.15	0.0	0.0
		-1.01	-0.34	5.22e-04	0.0	160.0	19.02	-0.89	-0.21	0.15	-0.34	-1.01
228	83	0.0	0.28	-1.02e-04	-0.51	0.0	10.91	-1.44	0.18	0.24	0.0	0.0
		-2.72	0.0	2.53e-05	0.0	160.0	10.91	-1.95	0.18	0.24	0.28	-2.72
228	84	0.0	0.41	-2.83e-04	-0.51	0.0	8.52	-0.80	0.26	0.13	0.0	0.0
		-1.69	0.0	-1.70e-04	0.0	160.0	8.52	-1.31	0.26	0.13	0.41	-1.69
228	85	1.98	0.0	1.64e-04	-0.51	0.0	18.11	1.50	-0.26	-0.12	0.0	0.0
		0.0	-0.42	2.32e-04	0.0	160.0	18.11	0.98	-0.26	-0.12	-0.42	1.98
228	86	3.01	0.0	-6.12e-05	-0.51	0.0	15.72	2.14	-0.18	-0.22	0.0	0.0
		0.0	-0.29	5.24e-05	0.0	160.0	15.72	1.62	-0.18	-0.22	-0.29	3.01
228	104	1.17	0.30	-4.05e-04	-0.51	0.0	8.25	0.99	0.19	-0.12	0.0	0.0
		0.0	0.0	-3.98e-04	0.0	160.0	8.25	0.47	0.19	-0.12	0.30	1.17
228	105	0.0	0.0	2.87e-04	-0.51	0.0	18.38	-0.29	-0.19	0.13	0.0	0.0
		-0.88	-0.30	4.61e-04	0.0	160.0	18.38	-0.80	-0.19	0.13	-0.30	-0.88
228	116	0.0	0.70	-4.46e-04	-0.51	0.0	4.56	-1.80	0.44	0.23	0.0	0.0
		-3.29	0.0	-4.23e-04	0.0	160.0	4.56	-2.31	0.44	0.23	0.70	-3.29
228	117	3.58	0.0	3.28e-04	-0.51	0.0	22.06	2.50	-0.44	-0.22	0.0	0.0
		0.0	-0.71	4.87e-04	0.0	160.0	22.06	1.98	-0.44	-0.22	-0.71	3.58
228	119	0.0	0.69	-9.51e-05	-0.51	0.0	8.58	-3.00	0.43	0.40	0.0	0.0
		-5.21	0.0	-4.85e-05	0.0	160.0	8.58	-3.51	0.43	0.40	0.69	-5.21
228	122	5.50	0.0	-1.04e-04	-0.51	0.0	18.05	3.70	-0.43	-0.39	0.0	0.0
		0.0	-0.69	8.57e-05	0.0	160.0	18.05	3.18	-0.43	-0.39	-0.69	5.50
228	136	2.03	0.51	-6.73e-04	-0.51	0.0	4.16	1.52	0.32	-0.23	0.0	0.0
		0.0	0.0	-8.52e-04	0.0	160.0	4.16	1.01	0.32	-0.23	0.51	2.03
228	137	0.0	0.0	5.54e-04	-0.51	0.0	22.46	-0.83	-0.32	0.24	0.0	0.0
		-1.74	-0.51	9.15e-04	0.0	160.0	22.46	-1.34	-0.32	0.24	-0.51	-1.74
229	1	1.92	1.57e-04	-2.24e-03	-2.35	0.0	18.21	1.26	2.77e-05	-2.42e-03	0.0	0.0
		0.0	0.0	-3.43e-04	0.0	565.7	18.21	-1.09	2.77e-05	-2.42e-03	1.57e-04	0.49
229	2	1.93	1.53e-04	-2.34e-03	-2.35	0.0	18.15	1.27	2.71e-05	-1.82e-03	0.0	0.0
		0.0	0.0	-1.64e-04	0.0	565.7	18.15	-1.08	2.71e-05	-1.82e-03	1.53e-04	0.52
229	5	1.92	2.53e-04	-2.27e-03	-2.35	0.0	18.02	1.26	4.47e-05	-4.26e-03	0.0	0.0

		0.0	0.0	-6.01e-04	0.0	565.7	18.02	-1.09	4.47e-05	-4.26e-03	2.53e-04	0.50
229	7	1.47	2.47e-04	-1.75e-03	-1.81	0.0	13.68	0.97	4.36e-05	-4.38e-03	0.0	0.0
		0.0	0.0	-6.10e-04	0.0	565.7	13.68	-0.84	4.36e-05	-4.38e-03	2.47e-04	0.37
229	8	1.48	2.44e-04	-1.82e-03	-1.81	0.0	13.64	0.97	4.32e-05	-3.96e-03	0.0	0.0
		0.0	0.0	-4.85e-04	0.0	565.7	13.64	-0.84	4.32e-05	-3.96e-03	2.44e-04	0.39
229	9	1.47	1.05e-04	-1.72e-03	-1.81	0.0	14.01	0.97	1.85e-05	-1.59e-03	0.0	0.0
		0.0	0.0	-2.24e-04	0.0	565.7	14.01	-0.84	1.85e-05	-1.59e-03	1.05e-04	0.38
229	10	1.48	1.02e-04	-1.78e-03	-1.81	0.0	13.97	0.98	1.81e-05	-1.19e-03	0.0	0.0
		0.0	0.0	-1.05e-04	0.0	565.7	13.97	-0.84	1.81e-05	-1.19e-03	1.02e-04	0.40
229	11	1.47	1.69e-04	-1.73e-03	-1.81	0.0	13.88	0.97	2.98e-05	-2.82e-03	0.0	0.0
		0.0	0.0	-3.96e-04	0.0	565.7	13.88	-0.84	2.98e-05	-2.82e-03	1.69e-04	0.38
229	12	1.48	1.67e-04	-1.78e-03	-1.81	0.0	13.85	0.97	2.95e-05	-2.54e-03	0.0	0.0
		0.0	0.0	-3.12e-04	0.0	565.7	13.85	-0.84	2.95e-05	-2.54e-03	1.67e-04	0.39
229	13	1.47	8.91e-06	-1.69e-03	-1.81	0.0	14.21	0.97	1.58e-06	2.46e-04	0.0	0.0
		0.0	0.0	3.48e-05	0.0	565.7	14.21	-0.84	1.58e-06	2.46e-04	8.91e-06	0.38
229	14	1.48	7.68e-06	-1.72e-03	-1.81	0.0	14.19	0.97	1.36e-06	4.46e-04	0.0	0.0
		0.0	0.0	9.43e-05	0.0	565.7	14.19	-0.84	1.36e-06	4.46e-04	7.68e-06	0.39
229	15	1.47	4.08e-05	-1.70e-03	-1.81	0.0	14.14	0.97	7.22e-06	-3.67e-04	0.0	0.0
		0.0	0.0	-5.13e-05	0.0	565.7	14.14	-0.84	7.22e-06	-3.67e-04	4.08e-05	0.38
229	16	1.48	4.01e-05	-1.72e-03	-1.81	0.0	14.13	0.97	7.09e-06	-2.47e-04	0.0	0.0
		0.0	0.0	-1.56e-05	0.0	565.7	14.13	-0.84	7.09e-06	-2.47e-04	4.01e-05	0.38
229	17	1.47	8.91e-06	-1.69e-03	-1.81	0.0	14.21	0.97	1.58e-06	2.46e-04	0.0	0.0
		0.0	0.0	3.48e-05	0.0	565.7	14.21	-0.84	1.58e-06	2.46e-04	8.91e-06	0.38
229	18	1.48	8.17e-06	-1.71e-03	-1.81	0.0	14.19	0.97	1.45e-06	3.66e-04	0.0	0.0
		0.0	0.0	7.05e-05	0.0	565.7	14.19	-0.84	1.45e-06	3.66e-04	8.17e-06	0.38
229	19	1.44	9.69e-03	-2.27e-03	-1.81	0.0	15.16	0.96	1.71e-03	0.13	0.0	0.0
		0.0	0.0	-6.69e-04	0.0	565.7	15.16	-0.85	1.71e-03	0.13	9.69e-03	0.32
229	22	1.51	0.0	-1.24e-03	-1.81	0.0	13.23	0.98	-1.71e-03	-0.13	0.0	0.0
		0.0	-9.68e-03	8.10e-04	0.0	565.7	13.23	-0.83	-1.71e-03	-0.13	-9.68e-03	0.44
229	24	1.41	6.15e-03	-2.98e-03	-1.81	0.0	14.97	0.95	1.09e-03	0.08	0.0	0.0
		0.0	0.0	-6.97e-04	0.0	565.7	14.97	-0.86	1.09e-03	0.08	6.15e-03	0.26
229	37	1.55	3.66e-03	-6.76e-04	-1.81	0.0	13.21	1.00	6.48e-04	0.05	0.0	0.0
		0.0	0.0	-7.71e-04	0.0	565.7	13.21	-0.81	6.48e-04	0.05	3.66e-03	0.51
229	43	1.51	8.15e-03	-9.94e-04	-1.81	0.0	15.82	0.99	1.44e-03	0.13	0.0	0.0
		0.0	0.0	1.01e-03	0.0	565.7	15.82	-0.83	1.44e-03	0.13	8.15e-03	0.45
229	46	1.44	0.0	-2.62e-03	-1.81	0.0	12.57	0.96	-1.44e-03	-0.13	0.0	0.0
		0.0	-8.14e-03	-8.65e-04	0.0	565.7	12.57	-0.85	-1.44e-03	-0.13	-8.14e-03	0.31
229	51	1.45	7.08e-03	-2.14e-03	-1.81	0.0	14.89	0.96	1.25e-03	0.10	0.0	0.0
		0.0	0.0	-5.06e-04	0.0	565.7	14.89	-0.85	1.25e-03	0.10	7.08e-03	0.34
229	54	1.50	0.0	-1.35e-03	-1.81	0.0	13.50	0.98	-1.25e-03	-0.10	0.0	0.0
		0.0	-7.06e-03	6.47e-04	0.0	565.7	13.50	-0.83	-1.25e-03	-0.10	-7.06e-03	0.43
229	56	1.43	4.48e-03	-2.67e-03	-1.81	0.0	14.76	0.96	7.92e-04	0.06	0.0	0.0
		0.0	0.0	-5.36e-04	0.0	565.7	14.76	-0.85	7.92e-04	0.06	4.48e-03	0.29
229	69	1.53	2.71e-03	-8.82e-04	-1.81	0.0	13.44	0.99	4.78e-04	0.04	0.0	0.0
		0.0	0.0	-5.64e-04	0.0	565.7	13.44	-0.82	4.78e-04	0.04	2.71e-03	0.48
229	75	1.51	5.97e-03	-1.15e-03	-1.81	0.0	15.41	0.98	1.06e-03	0.10	0.0	0.0
		0.0	0.0	8.05e-04	0.0	565.7	15.41	-0.83	1.06e-03	0.10	5.97e-03	0.44
229	78	1.45	0.0	-2.40e-03	-1.81	0.0	12.98	0.96	-1.05e-03	-0.10	0.0	0.0
		0.0	-5.96e-03	-6.64e-04	0.0	565.7	12.98	-0.85	-1.05e-03	-0.10	-5.96e-03	0.33
229	83	1.45	6.26e-03	-2.09e-03	-1.81	0.0	14.81	0.97	1.11e-03	0.09	0.0	0.0
		0.0	0.0	-4.44e-04	0.0	565.7	14.81	-0.84	1.11e-03	0.09	6.26e-03	0.34
229	86	1.50	0.0	-1.38e-03	-1.81	0.0	13.58	0.98	-1.10e-03	-0.08	0.0	0.0
		0.0	-6.24e-03	5.85e-04	0.0	565.7	13.58	-0.83	-1.10e-03	-0.08	-6.24e-03	0.42
229	88	1.43	3.96e-03	-2.56e-03	-1.81	0.0	14.69	0.96	7.00e-04	0.05	0.0	0.0
		0.0	0.0	-4.71e-04	0.0	565.7	14.69	-0.85	7.00e-04	0.05	3.96e-03	0.30
229	101	1.52	2.40e-03	-9.59e-04	-1.81	0.0	13.52	0.99	4.24e-04	0.03	0.0	0.0
		0.0	0.0	-4.93e-04	0.0	565.7	13.52	-0.82	4.24e-04	0.03	2.40e-03	0.47
229	107	1.50	5.28e-03	-1.20e-03	-1.81	0.0	15.27	0.98	9.34e-04	0.09	0.0	0.0
		0.0	0.0	7.25e-04	0.0	565.7	15.27	-0.83	9.34e-04	0.09	5.28e-03	0.43
229	110	1.45	0.0	-2.32e-03	-1.81	0.0	13.12	0.96	-9.31e-04	-0.08	0.0	0.0
		0.0	-5.26e-03	-5.84e-04	0.0	565.7	13.12	-0.85	-9.31e-04	-0.08	-5.26e-03	0.34
229	115	1.44	0.01	-2.39e-03	-1.81	0.0	15.36	0.96	2.05e-03	0.16	0.0	0.0
		0.0	0.0	-8.20e-04	0.0	565.7	15.36	-0.85	2.05e-03	0.16	0.01	0.31
229	118	1.52	0.0	-1.16e-03	-1.81	0.0	13.03	0.99	-2.05e-03	-0.16	0.0	0.0
		0.0	-0.01	9.61e-04	0.0	565.7	13.03	-0.82	-2.05e-03	-0.16	-0.01	0.45
229	120	1.40	7.37e-03	-3.24e-03	-1.81	0.0	15.12	0.95	1.30e-03	0.09	0.0	0.0
		0.0	0.0	-8.53e-04	0.0	565.7	15.12	-0.86	1.30e-03	0.09	7.37e-03	0.24
229	133	1.56	4.40e-03	-5.20e-04	-1.81	0.0	13.04	1.00	7.77e-04	0.06	0.0	0.0
		0.0	0.0	-9.48e-04	0.0	565.7	13.04	-0.81	7.77e-04	0.06	4.40e-03	0.54
229	139	1.52	9.80e-03	-8.70e-04	-1.81	0.0	16.15	0.99	1.73e-03	0.16	0.0	0.0
		0.0	0.0	1.20e-03	0.0	565.7	16.15	-0.82	1.73e-03	0.16	9.80e-03	0.47
229	142	1.43	0.0	-2.81e-03	-1.81	0.0	12.24	0.96	-1.73e-03	-0.16	0.0	0.0
		0.0	-9.78e-03	-1.06e-03	0.0	565.7	12.24	-0.85	-1.73e-03	-0.16	-9.78e-03	0.30
230	1	1.82	0.0	-1.98e-03	-2.35	0.0	16.10	1.23	-2.44e-05	-3.08e-03	0.0	0.0
		0.0	-1.38e-04	-3.41e-04	0.0	565.7	16.10	-1.12	-2.44e-05	-3.08e-03	-1.38e-04	0.31

230	4	1.39	0.0	-1.50e-03	-1.81	0.0	12.47	0.94	-2.31e-05	-3.75e-03	0.0	0.0
		0.0	-1.31e-04	-1.72e-04	0.0	565.7	12.47	-0.87	-2.31e-05	-3.75e-03	-1.31e-04	0.21
230	5	1.82	0.0	-1.98e-03	-2.35	0.0	16.22	1.23	-3.99e-05	-4.90e-03	0.0	0.0
		0.0	-2.26e-04	-5.98e-04	0.0	565.7	16.22	-1.12	-3.99e-05	-4.90e-03	-2.26e-04	0.31
230	8	1.39	0.0	-1.50e-03	-1.81	0.0	12.61	0.94	-3.89e-05	-5.37e-03	0.0	0.0
		0.0	-2.20e-04	-4.83e-04	0.0	565.7	12.61	-0.87	-3.89e-05	-5.37e-03	-2.20e-04	0.22
230	9	1.40	0.0	-1.53e-03	-1.81	0.0	12.40	0.95	-1.62e-05	-2.12e-03	0.0	0.0
		0.0	-9.17e-05	-2.22e-04	0.0	565.7	12.40	-0.86	-1.62e-05	-2.12e-03	-9.17e-05	0.24
230	10	1.39	0.0	-1.51e-03	-1.81	0.0	12.37	0.94	-1.58e-05	-2.58e-03	0.0	0.0
		0.0	-8.93e-05	-1.03e-04	0.0	565.7	12.37	-0.87	-1.58e-05	-2.58e-03	-8.93e-05	0.22
230	11	1.40	0.0	-1.53e-03	-1.81	0.0	12.48	0.95	-2.66e-05	-3.33e-03	0.0	0.0
		0.0	-1.50e-04	-3.94e-04	0.0	565.7	12.48	-0.86	-2.66e-05	-3.33e-03	-1.50e-04	0.24
230	12	1.39	0.0	-1.51e-03	-1.81	0.0	12.46	0.94	-2.63e-05	-3.65e-03	0.0	0.0
		0.0	-1.49e-04	-3.11e-04	0.0	565.7	12.46	-0.87	-2.63e-05	-3.65e-03	-1.49e-04	0.23
230	13	1.40	0.0	-1.54e-03	-1.81	0.0	12.27	0.95	0.0	-3.07e-04	0.0	0.0
		0.0	-3.81e-06	3.49e-05	0.0	565.7	12.27	-0.86	0.0	-3.07e-04	-3.81e-06	0.24
230	14	1.40	0.0	-1.52e-03	-1.81	0.0	12.26	0.95	0.0	-5.34e-04	0.0	0.0
		0.0	-2.62e-06	9.43e-05	0.0	565.7	12.26	-0.86	0.0	-5.34e-04	-2.62e-06	0.23
230	15	1.40	0.0	-1.53e-03	-1.81	0.0	12.31	0.95	-5.85e-06	-9.13e-04	0.0	0.0
		0.0	-3.31e-05	-5.09e-05	0.0	565.7	12.31	-0.86	-5.85e-06	-9.13e-04	-3.31e-05	0.24
230	16	1.40	0.0	-1.53e-03	-1.81	0.0	12.31	0.95	-5.73e-06	-1.05e-03	0.0	0.0
		0.0	-3.24e-05	-1.52e-05	0.0	565.7	12.31	-0.86	-5.73e-06	-1.05e-03	-3.24e-05	0.24
230	17	1.40	0.0	-1.54e-03	-1.81	0.0	12.27	0.95	0.0	-3.07e-04	0.0	0.0
		0.0	-3.81e-06	3.49e-05	0.0	565.7	12.27	-0.86	0.0	-3.07e-04	-3.81e-06	0.24
230	18	1.40	0.0	-1.53e-03	-1.81	0.0	12.26	0.95	0.0	-4.43e-04	0.0	0.0
		0.0	-3.09e-06	7.05e-05	0.0	565.7	12.26	-0.86	0.0	-4.43e-04	-3.09e-06	0.24
230	30	1.46	1.77e-03	-1.47e-03	-1.81	0.0	10.50	0.97	3.13e-04	0.05	0.0	0.0
		0.0	0.0	-6.71e-06	0.0	565.7	10.50	-0.84	3.13e-04	0.05	1.77e-03	0.36
230	32	1.36	0.0	-1.55e-03	-1.81	0.0	14.17	0.93	-6.83e-04	-0.11	0.0	0.0
		0.0	-3.86e-03	-7.84e-05	0.0	565.7	14.17	-0.88	-6.83e-04	-0.11	-3.86e-03	0.16
230	33	1.44	3.86e-03	-1.51e-03	-1.81	0.0	10.36	0.96	6.82e-04	0.11	0.0	0.0
		0.0	0.0	2.20e-04	0.0	565.7	10.36	-0.85	6.82e-04	0.11	3.86e-03	0.32
230	40	1.42	0.0	-1.46e-03	-1.81	0.0	11.88	0.95	-7.74e-04	-0.12	0.0	0.0
		0.0	-4.38e-03	1.09e-03	0.0	565.7	11.88	-0.86	-7.74e-04	-0.12	-4.38e-03	0.28
230	41	1.38	4.37e-03	-1.61e-03	-1.81	0.0	12.65	0.94	7.73e-04	0.12	0.0	0.0
		0.0	0.0	-9.45e-04	0.0	565.7	12.65	-0.87	7.73e-04	0.12	4.37e-03	0.19
230	62	1.44	1.34e-03	-1.48e-03	-1.81	0.0	10.93	0.96	2.36e-04	0.04	0.0	0.0
		0.0	0.0	1.95e-05	0.0	565.7	10.93	-0.85	2.36e-04	0.04	1.34e-03	0.32
230	64	1.37	0.0	-1.54e-03	-1.81	0.0	13.70	0.94	-5.18e-04	-0.09	0.0	0.0
		0.0	-2.93e-03	-5.38e-05	0.0	565.7	13.70	-0.87	-5.18e-04	-0.09	-2.93e-03	0.18
230	65	1.43	2.92e-03	-1.52e-03	-1.81	0.0	10.83	0.96	5.17e-04	0.09	0.0	0.0
		0.0	0.0	1.95e-04	0.0	565.7	10.83	-0.85	5.17e-04	0.09	2.92e-03	0.30
230	72	1.42	0.0	-1.48e-03	-1.81	0.0	11.96	0.95	-5.88e-04	-0.09	0.0	0.0
		0.0	-3.33e-03	8.40e-04	0.0	565.7	11.96	-0.86	-5.88e-04	-0.09	-3.33e-03	0.27
230	73	1.38	3.32e-03	-1.59e-03	-1.81	0.0	12.57	0.94	5.87e-04	0.09	0.0	0.0
		0.0	0.0	-6.99e-04	0.0	565.7	12.57	-0.87	5.87e-04	0.09	3.32e-03	0.21
230	94	1.44	1.19e-03	-1.49e-03	-1.81	0.0	11.08	0.96	2.10e-04	0.03	0.0	0.0
		0.0	0.0	2.51e-05	0.0	565.7	11.08	-0.85	2.10e-04	0.03	1.19e-03	0.31
230	96	1.37	0.0	-1.54e-03	-1.81	0.0	13.53	0.94	-4.60e-04	-0.08	0.0	0.0
		0.0	-2.60e-03	-4.01e-05	0.0	565.7	13.53	-0.87	-4.60e-04	-0.08	-2.60e-03	0.19
230	97	1.42	2.60e-03	-1.52e-03	-1.81	0.0	10.99	0.96	4.59e-04	0.08	0.0	0.0
		0.0	0.0	1.81e-04	0.0	565.7	10.99	-0.85	4.59e-04	0.08	2.60e-03	0.29
230	104	1.41	0.0	-1.48e-03	-1.81	0.0	11.99	0.95	-5.22e-04	-0.08	0.0	0.0
		0.0	-2.96e-03	7.54e-04	0.0	565.7	11.99	-0.86	-5.22e-04	-0.08	-2.96e-03	0.27
230	105	1.38	2.95e-03	-1.58e-03	-1.81	0.0	12.53	0.94	5.21e-04	0.08	0.0	0.0
		0.0	0.0	-6.13e-04	0.0	565.7	12.53	-0.87	5.21e-04	0.08	2.95e-03	0.21
230	126	1.47	2.14e-03	-1.45e-03	-1.81	0.0	10.16	0.97	3.77e-04	0.06	0.0	0.0
		0.0	0.0	-9.08e-05	0.0	565.7	10.16	-0.84	3.77e-04	0.06	2.14e-03	0.38
230	128	1.35	0.0	-1.55e-03	-1.81	0.0	14.54	0.93	-8.24e-04	-0.14	0.0	0.0
		0.0	-4.66e-03	-3.19e-05	0.0	565.7	14.54	-0.88	-8.24e-04	-0.14	-4.66e-03	0.14
230	129	1.45	4.65e-03	-1.51e-03	-1.81	0.0	9.98	0.96	8.23e-04	0.14	0.0	0.0
		0.0	0.0	1.73e-04	0.0	565.7	9.98	-0.85	8.23e-04	0.14	4.65e-03	0.33
230	136	1.42	0.0	-1.45e-03	-1.81	0.0	11.82	0.96	-9.34e-04	-0.15	0.0	0.0
		0.0	-5.28e-03	1.32e-03	0.0	565.7	11.82	-0.85	-9.34e-04	-0.15	-5.28e-03	0.29
230	137	1.37	5.27e-03	-1.62e-03	-1.81	0.0	12.71	0.94	9.32e-04	0.15	0.0	0.0
		0.0	0.0	-1.18e-03	0.0	565.7	12.71	-0.87	9.32e-04	0.15	5.27e-03	0.19
232	1	15.85	0.0	-6.59e-03	-21.47	0.0	-47.49	13.92	0.0	1.59e-04	0.0	0.0
		0.0	0.0	-3.42e-04	0.0	578.3	-42.94	-7.55	0.0	1.59e-04	0.0	0.0
232	2	15.85	0.0	-6.64e-03	-21.47	0.0	-48.40	13.92	0.0	-4.87e-04	0.0	0.0
		0.0	0.0	-1.63e-04	0.0	578.3	-43.85	-7.55	0.0	-4.87e-04	0.0	0.0
232	3	12.19	0.0	-5.07e-03	-16.52	0.0	-36.48	10.71	0.0	4.63e-05	0.0	0.0
		0.0	0.0	-3.51e-04	0.0	578.3	-32.97	-5.81	0.0	4.63e-05	0.0	0.0
232	4	12.19	0.0	-5.12e-03	-16.52	0.0	-37.39	10.71	0.0	-5.99e-04	0.0	0.0
		0.0	0.0	-1.72e-04	0.0	578.3	-33.89	-5.81	0.0	-5.99e-04	0.0	0.0
232	9	12.19	0.0	-5.06e-03	-16.52	0.0	-36.44	10.71	0.0	8.91e-05	0.0	0.0

		0.0	0.0	-2.23e-04	0.0	578.3	-32.94	-5.81	0.0	8.91e-05	0.0	0.0
232	10	12.19	0.0	-5.10e-03	-16.52	0.0	-37.05	10.71	0.0	-3.41e-04	0.0	0.0
		0.0	0.0	-1.04e-04	0.0	578.3	-33.54	-5.81	0.0	-3.41e-04	0.0	0.0
232	13	12.19	0.0	-5.05e-03	-16.52	0.0	-36.21	10.71	0.0	8.91e-05	0.0	0.0
		0.0	0.0	3.48e-05	0.0	578.3	-32.71	-5.81	0.0	8.91e-05	0.0	0.0
232	14	12.19	0.0	-5.07e-03	-16.52	0.0	-36.52	10.71	0.0	-1.26e-04	0.0	0.0
		0.0	0.0	9.45e-05	0.0	578.3	-33.01	-5.81	0.0	-1.26e-04	0.0	0.0
232	17	12.19	0.0	-5.05e-03	-16.52	0.0	-36.21	10.71	0.0	8.91e-05	0.0	0.0
		0.0	0.0	3.48e-05	0.0	578.3	-32.71	-5.81	0.0	8.91e-05	0.0	0.0
232	18	12.19	0.0	-5.06e-03	-16.52	0.0	-36.39	10.71	0.0	-4.00e-05	0.0	0.0
		0.0	0.0	7.06e-05	0.0	578.3	-32.89	-5.81	0.0	-4.00e-05	0.0	0.0
232	20	12.19	0.0	-5.69e-03	-16.52	0.0	-30.51	10.71	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.01e-04	0.0	578.3	-27.01	-5.81	0.0	-0.02	0.0	0.0
232	21	12.19	0.0	-4.48e-03	-16.52	0.0	-42.27	10.71	0.0	0.02	0.0	0.0
		0.0	0.0	2.43e-04	0.0	578.3	-38.77	-5.81	0.0	0.02	0.0	0.0
232	27	12.19	0.0	-5.07e-03	-16.52	0.0	-34.96	10.71	0.0	-0.01	0.0	0.0
		0.0	0.0	8.64e-04	0.0	578.3	-31.45	-5.81	0.0	-0.01	0.0	0.0
232	30	12.19	0.0	-5.05e-03	-16.52	0.0	-37.83	10.71	0.0	0.01	0.0	0.0
		0.0	0.0	-7.23e-04	0.0	578.3	-34.33	-5.81	0.0	0.01	0.0	0.0
232	35	12.19	0.0	-4.64e-03	-16.52	0.0	-39.45	10.71	0.0	0.01	0.0	0.0
		0.0	0.0	-1.06e-03	0.0	578.3	-35.95	-5.81	0.0	0.01	0.0	0.0
232	38	12.19	0.0	-5.51e-03	-16.52	0.0	-33.34	10.71	0.0	-0.01	0.0	0.0
		0.0	0.0	1.20e-03	0.0	578.3	-29.83	-5.81	0.0	-0.01	0.0	0.0
232	52	12.19	0.0	-5.54e-03	-16.52	0.0	-31.98	10.71	0.0	-0.02	0.0	0.0
		0.0	0.0	-7.32e-05	0.0	578.3	-28.48	-5.81	0.0	-0.02	0.0	0.0
232	53	12.19	0.0	-4.61e-03	-16.52	0.0	-40.81	10.71	0.0	0.02	0.0	0.0
		0.0	0.0	2.14e-04	0.0	578.3	-37.30	-5.81	0.0	0.02	0.0	0.0
232	59	12.19	0.0	-5.08e-03	-16.52	0.0	-35.30	10.71	0.0	-8.98e-03	0.0	0.0
		0.0	0.0	6.62e-04	0.0	578.3	-31.80	-5.81	0.0	-8.98e-03	0.0	0.0
232	62	12.19	0.0	-5.03e-03	-16.52	0.0	-37.49	10.71	0.0	8.90e-03	0.0	0.0
		0.0	0.0	-5.21e-04	0.0	578.3	-33.98	-5.81	0.0	8.90e-03	0.0	0.0
232	67	12.19	0.0	-4.74e-03	-16.52	0.0	-38.73	10.71	0.0	8.15e-03	0.0	0.0
		0.0	0.0	-7.90e-04	0.0	578.3	-35.23	-5.81	0.0	8.15e-03	0.0	0.0
232	70	12.19	0.0	-5.40e-03	-16.52	0.0	-34.05	10.71	0.0	-8.23e-03	0.0	0.0
		0.0	0.0	9.31e-04	0.0	578.3	-30.55	-5.81	0.0	-8.23e-03	0.0	0.0
232	84	12.19	0.0	-5.48e-03	-16.52	0.0	-32.48	10.71	0.0	-0.02	0.0	0.0
		0.0	0.0	-5.90e-05	0.0	578.3	-28.98	-5.81	0.0	-0.02	0.0	0.0
232	85	12.19	0.0	-4.66e-03	-16.52	0.0	-40.31	10.71	0.0	0.02	0.0	0.0
		0.0	0.0	2.00e-04	0.0	578.3	-36.80	-5.81	0.0	0.02	0.0	0.0
232	91	12.19	0.0	-5.08e-03	-16.52	0.0	-35.42	10.71	0.0	-7.95e-03	0.0	0.0
		0.0	0.0	5.95e-04	0.0	578.3	-31.92	-5.81	0.0	-7.95e-03	0.0	0.0
232	94	12.19	0.0	-5.04e-03	-16.52	0.0	-37.36	10.71	0.0	7.87e-03	0.0	0.0
		0.0	0.0	-4.54e-04	0.0	578.3	-33.86	-5.81	0.0	7.87e-03	0.0	0.0
232	99	12.19	0.0	-4.77e-03	-16.52	0.0	-38.48	10.71	0.0	7.23e-03	0.0	0.0
		0.0	0.0	-6.95e-04	0.0	578.3	-34.97	-5.81	0.0	7.23e-03	0.0	0.0
232	102	12.19	0.0	-5.36e-03	-16.52	0.0	-34.31	10.71	0.0	-7.31e-03	0.0	0.0
		0.0	0.0	8.36e-04	0.0	578.3	-30.81	-5.81	0.0	-7.31e-03	0.0	0.0
232	116	12.19	0.0	-5.82e-03	-16.52	0.0	-29.31	10.71	0.0	-0.03	0.0	0.0
		0.0	0.0	-1.34e-04	0.0	578.3	-25.81	-5.81	0.0	-0.03	0.0	0.0
232	117	12.19	0.0	-4.36e-03	-16.52	0.0	-43.48	10.71	0.0	0.03	0.0	0.0
		0.0	0.0	2.75e-04	0.0	578.3	-39.97	-5.81	0.0	0.03	0.0	0.0
232	123	12.19	0.0	-5.07e-03	-16.52	0.0	-34.67	10.71	0.0	-0.01	0.0	0.0
		0.0	0.0	1.05e-03	0.0	578.3	-31.17	-5.81	0.0	-0.01	0.0	0.0
232	126	12.19	0.0	-5.05e-03	-16.52	0.0	-38.12	10.71	0.0	0.01	0.0	0.0
		0.0	0.0	-9.12e-04	0.0	578.3	-34.61	-5.81	0.0	0.01	0.0	0.0
232	131	12.19	0.0	-4.55e-03	-16.52	0.0	-40.08	10.71	0.0	0.01	0.0	0.0
		0.0	0.0	-1.29e-03	0.0	578.3	-36.58	-5.81	0.0	0.01	0.0	0.0
232	134	12.19	0.0	-5.61e-03	-16.52	0.0	-32.71	10.71	0.0	-0.01	0.0	0.0
		0.0	0.0	1.43e-03	0.0	578.3	-29.20	-5.81	0.0	-0.01	0.0	0.0
233	2	7.77	1.63e-03	-5.85e-03	-19.80	0.0	-1.69	7.97	3.34e-04	0.0	0.0	0.0
		-9.40	0.0	-1.86e-04	0.0	486.5	9.88	-11.83	3.34e-04	0.0	1.63e-03	-9.40
233	3	1.40	2.69e-04	-1.04e-03	-3.60	0.0	-1.50	1.44	5.53e-05	0.0	0.0	0.0
		-1.74	0.0	-3.16e-05	0.0	486.5	0.61	-2.16	5.53e-05	0.0	2.69e-04	-1.74
233	6	5.98	1.20e-03	-4.49e-03	-15.27	0.0	-2.68	6.14	2.46e-04	0.0	0.0	0.0
		-7.26	0.0	-1.38e-04	0.0	486.5	6.24	-9.13	2.46e-04	0.0	1.20e-03	-7.26
233	9	1.40	2.91e-04	-1.05e-03	-3.60	0.0	-0.99	1.45	5.99e-05	0.0	0.0	0.0
		-1.73	0.0	-3.38e-05	0.0	486.5	1.12	-2.16	5.99e-05	0.0	2.91e-04	-1.73
233	10	5.36	1.13e-03	-4.04e-03	-13.68	0.0	-1.11	5.51	2.32e-04	0.0	0.0	0.0
		-6.49	0.0	-1.30e-04	0.0	486.5	6.88	-8.18	2.32e-04	0.0	1.13e-03	-6.49
233	12	4.17	8.46e-04	-3.13e-03	-10.66	0.0	-1.77	4.29	1.74e-04	0.0	0.0	0.0
		-5.07	0.0	-9.75e-05	0.0	486.5	4.46	-6.37	1.74e-04	0.0	8.46e-04	-5.07
233	13	1.41	3.41e-04	-1.07e-03	-3.60	0.0	0.06	1.45	7.01e-05	0.0	0.0	0.0
		-1.72	0.0	-3.88e-05	0.0	486.5	2.17	-2.15	7.01e-05	0.0	3.41e-04	-1.72
233	14	3.39	7.60e-04	-2.56e-03	-8.64	0.0	-2.74e-03	3.48	1.56e-04	0.0	0.0	0.0
		-4.10	0.0	-8.67e-05	0.0	486.5	5.05	-5.16	1.56e-04	0.0	7.60e-04	-4.10

233	16	2.60	5.76e-04	-1.96e-03	-6.63	0.0	-0.33	2.66	1.18e-04	0.0	0.0	0.0
		-3.15	0.0	-6.59e-05	0.0	486.5	3.55	-3.96	1.18e-04	0.0	5.76e-04	-3.15
233	17	1.41	3.41e-04	-1.07e-03	-3.60	0.0	0.06	1.45	7.01e-05	0.0	0.0	0.0
		-1.72	0.0	-3.88e-05	0.0	486.5	2.17	-2.15	7.01e-05	0.0	3.41e-04	-1.72
233	18	2.60	5.93e-04	-1.96e-03	-6.63	0.0	0.02	2.67	1.22e-04	0.0	0.0	0.0
		-3.15	0.0	-6.76e-05	0.0	486.5	3.90	-3.96	1.22e-04	0.0	5.93e-04	-3.15
233	24	2.57	0.0	-1.88e-03	-6.63	0.0	2.67	2.65	-1.23e-03	0.0	0.0	0.0
		-3.22	-6.00e-03	3.87e-03	0.0	486.5	6.54	-3.97	-1.23e-03	0.0	-6.00e-03	-3.22
233	25	2.62	7.18e-03	-2.05e-03	-6.63	0.0	-2.62	2.68	1.48e-03	0.0	0.0	0.0
		-3.08	0.0	-3.87e-03	0.0	486.5	1.25	-3.94	1.48e-03	0.0	7.18e-03	-3.08
233	47	2.63	0.0	-2.07e-03	-6.63	0.0	16.87	2.68	-6.06e-05	0.0	0.0	0.0
		-3.07	-2.95e-04	9.37e-04	0.0	486.5	20.74	-3.94	-6.06e-05	0.0	-2.95e-04	-3.07
233	48	2.56	0.0	-1.83e-03	-6.63	0.0	-12.58	2.64	-2.68e-04	0.0	0.0	0.0
		-3.26	-1.31e-03	7.50e-04	0.0	486.5	-8.70	-3.98	-2.68e-04	0.0	-1.31e-03	-3.26
233	49	2.64	2.49e-03	-2.10e-03	-6.63	0.0	12.62	2.69	5.12e-04	0.0	0.0	0.0
		-3.04	0.0	-8.14e-04	0.0	486.5	16.49	-3.94	5.12e-04	0.0	2.49e-03	-3.04
233	50	2.57	1.48e-03	-1.86e-03	-6.63	0.0	-16.83	2.65	3.04e-04	0.0	0.0	0.0
		-3.23	0.0	-9.31e-04	0.0	486.5	-12.95	-3.98	3.04e-04	0.0	1.48e-03	-3.23
233	56	2.58	0.0	-1.90e-03	-6.63	0.0	1.83	2.65	-9.76e-04	0.0	0.0	0.0
		-3.20	-4.75e-03	3.14e-03	0.0	486.5	5.70	-3.97	-9.76e-04	0.0	-4.75e-03	-3.20
233	57	2.62	5.93e-03	-2.03e-03	-6.63	0.0	-1.78	2.68	1.22e-03	0.0	0.0	0.0
		-3.09	0.0	-3.15e-03	0.0	486.5	2.09	-3.95	1.22e-03	0.0	5.93e-03	-3.09
233	75	2.62	0.0	-2.05e-03	-6.63	0.0	13.23	2.68	-1.21e-04	0.0	0.0	0.0
		-3.08	-5.89e-04	1.02e-03	0.0	486.5	17.10	-3.95	-1.21e-04	0.0	-5.89e-04	-3.08
233	78	2.57	1.77e-03	-1.88e-03	-6.63	0.0	-13.18	2.65	3.65e-04	0.0	0.0	0.0
		-3.21	0.0	-1.01e-03	0.0	486.5	-9.31	-3.97	3.65e-04	0.0	1.77e-03	-3.21
233	80	2.56	0.0	-1.86e-03	-6.63	0.0	-10.01	2.65	-1.74e-04	0.0	0.0	0.0
		-3.23	-8.48e-04	5.71e-04	0.0	486.5	-6.14	-3.98	-1.74e-04	0.0	-8.48e-04	-3.23
233	81	2.63	2.03e-03	-2.07e-03	-6.63	0.0	10.06	2.68	4.18e-04	0.0	0.0	0.0
		-3.06	0.0	-6.29e-04	0.0	486.5	13.93	-3.94	4.18e-04	0.0	2.03e-03	-3.06
233	88	2.58	0.0	-1.91e-03	-6.63	0.0	1.62	2.66	-8.65e-04	0.0	0.0	0.0
		-3.19	-4.21e-03	2.83e-03	0.0	486.5	5.49	-3.97	-8.65e-04	0.0	-4.21e-03	-3.19
233	89	2.61	5.39e-03	-2.02e-03	-6.63	0.0	-1.57	2.68	1.11e-03	0.0	0.0	0.0
		-3.10	0.0	-2.83e-03	0.0	486.5	2.30	-3.95	1.11e-03	0.0	5.39e-03	-3.10
233	107	2.62	0.0	-2.04e-03	-6.63	0.0	11.76	2.68	-9.74e-05	0.0	0.0	0.0
		-3.09	-4.74e-04	9.16e-04	0.0	486.5	15.63	-3.95	-9.74e-05	0.0	-4.74e-04	-3.09
233	110	2.57	1.66e-03	-1.89e-03	-6.63	0.0	-11.72	2.65	3.41e-04	0.0	0.0	0.0
		-3.21	0.0	-9.11e-04	0.0	486.5	-7.84	-3.97	3.41e-04	0.0	1.66e-03	-3.21
233	112	2.57	0.0	-1.87e-03	-6.63	0.0	-8.91	2.65	-1.41e-04	0.0	0.0	0.0
		-3.22	-6.87e-04	5.07e-04	0.0	486.5	-5.03	-3.97	-1.41e-04	0.0	-6.87e-04	-3.22
233	113	2.63	1.87e-03	-2.06e-03	-6.63	0.0	8.95	2.68	3.85e-04	0.0	0.0	0.0
		-3.07	0.0	-5.64e-04	0.0	486.5	12.82	-3.94	3.85e-04	0.0	1.87e-03	-3.07
233	120	2.57	0.0	-1.86e-03	-6.63	0.0	3.40	2.65	-1.45e-03	0.0	0.0	0.0
		-3.23	-7.03e-03	4.47e-03	0.0	486.5	7.28	-3.98	-1.45e-03	0.0	-7.03e-03	-3.23
233	121	2.63	8.22e-03	-2.06e-03	-6.63	0.0	-3.36	2.68	1.69e-03	0.0	0.0	0.0
		-3.06	0.0	-4.47e-03	0.0	486.5	0.51	-3.94	1.69e-03	0.0	8.22e-03	-3.06
233	143	2.63	0.0	-2.08e-03	-6.63	0.0	19.75	2.68	-8.88e-05	0.0	0.0	0.0
		-3.05	-4.32e-04	1.10e-03	0.0	486.5	23.62	-3.94	-8.88e-05	0.0	-4.32e-04	-3.05
233	144	2.55	0.0	-1.81e-03	-6.63	0.0	-14.56	2.64	-3.38e-04	0.0	0.0	0.0
		-3.27	-1.64e-03	8.77e-04	0.0	486.5	-10.69	-3.99	-3.38e-04	0.0	-1.64e-03	-3.27
233	145	2.64	2.83e-03	-2.12e-03	-6.63	0.0	14.60	2.69	5.81e-04	0.0	0.0	0.0
		-3.02	0.0	-9.44e-04	0.0	486.5	18.48	-3.93	5.81e-04	0.0	2.83e-03	-3.02
233	146	2.56	1.62e-03	-1.84e-03	-6.63	0.0	-19.70	2.65	3.32e-04	0.0	0.0	0.0
		-3.24	0.0	-1.09e-03	0.0	486.5	-15.83	-3.98	3.32e-04	0.0	1.62e-03	-3.24
234	1	15.85	0.0	-4.51e-03	-21.47	0.0	-39.38	7.55	0.0	-1.59e-04	0.0	0.0
		0.0	0.0	-3.56e-04	0.0	578.3	-43.93	-13.92	0.0	-1.59e-04	0.0	0.0
234	2	15.85	0.0	-4.53e-03	-21.47	0.0	-38.47	7.55	0.0	4.87e-04	0.0	0.0
		0.0	0.0	-1.92e-04	0.0	578.3	-43.02	-13.92	0.0	4.87e-04	0.0	0.0
234	3	12.19	0.0	-3.47e-03	-16.52	0.0	-30.34	5.81	0.0	-4.63e-05	0.0	0.0
		0.0	0.0	-3.64e-04	0.0	578.3	-33.85	-10.71	0.0	-4.63e-05	0.0	0.0
234	4	12.19	0.0	-3.48e-03	-16.52	0.0	-29.43	5.81	0.0	5.99e-04	0.0	0.0
		0.0	0.0	-2.00e-04	0.0	578.3	-32.94	-10.71	0.0	5.99e-04	0.0	0.0
234	6	15.85	0.0	-4.52e-03	-21.47	0.0	-38.51	7.55	0.0	2.93e-04	0.0	0.0
		0.0	0.0	-5.05e-04	0.0	578.3	-43.07	-13.92	0.0	2.93e-04	0.0	0.0
234	9	12.19	0.0	-3.47e-03	-16.52	0.0	-30.38	5.81	0.0	-8.91e-05	0.0	0.0
		0.0	0.0	-2.33e-04	0.0	578.3	-33.89	-10.71	0.0	-8.91e-05	0.0	0.0
234	10	12.19	0.0	-3.48e-03	-16.52	0.0	-29.78	5.81	0.0	3.41e-04	0.0	0.0
		0.0	0.0	-1.24e-04	0.0	578.3	-33.28	-10.71	0.0	3.41e-04	0.0	0.0
234	12	12.19	0.0	-3.47e-03	-16.52	0.0	-29.81	5.81	0.0	2.12e-04	0.0	0.0
		0.0	0.0	-3.32e-04	0.0	578.3	-33.31	-10.71	0.0	2.12e-04	0.0	0.0
234	13	12.19	0.0	-3.47e-03	-16.52	0.0	-30.61	5.81	0.0	-8.91e-05	0.0	0.0
		0.0	0.0	3.05e-05	0.0	578.3	-34.11	-10.71	0.0	-8.91e-05	0.0	0.0
234	14	12.19	0.0	-3.47e-03	-16.52	0.0	-30.31	5.81	0.0	1.26e-04	0.0	0.0
		0.0	0.0	8.51e-05	0.0	578.3	-33.81	-10.71	0.0	1.26e-04	0.0	0.0
234	16	12.19	0.0	-3.47e-03	-16.52	0.0	-30.35	5.81	0.0	4.00e-05	0.0	0.0

		0.0	0.0	-2.45e-05	0.0	578.3	-33.85	-10.71	0.0	4.00e-05	0.0	0.0
234	17	12.19	0.0	-3.47e-03	-16.52	0.0	-30.61	5.81	0.0	-8.91e-05	0.0	0.0
		0.0	0.0	3.05e-05	0.0	578.3	-34.11	-10.71	0.0	-8.91e-05	0.0	0.0
234	18	12.19	0.0	-3.47e-03	-16.52	0.0	-30.43	5.81	0.0	4.00e-05	0.0	0.0
		0.0	0.0	6.32e-05	0.0	578.3	-33.93	-10.71	0.0	4.00e-05	0.0	0.0
234	23	12.19	0.0	-3.50e-03	-16.52	0.0	-39.48	5.81	0.0	0.01	0.0	0.0
		0.0	0.0	-1.68e-04	0.0	578.3	-42.98	-10.71	0.0	0.01	0.0	0.0
234	24	12.19	0.0	-3.42e-03	-16.52	0.0	-35.90	5.81	0.0	0.02	0.0	0.0
		0.0	0.0	-7.69e-04	0.0	578.3	-39.41	-10.71	0.0	0.02	0.0	0.0
234	26	12.19	0.0	-3.44e-03	-16.52	0.0	-21.38	5.81	0.0	-0.01	0.0	0.0
		0.0	0.0	2.95e-04	0.0	578.3	-24.88	-10.71	0.0	-0.01	0.0	0.0
234	43	12.19	0.0	-3.61e-03	-16.52	0.0	-38.56	5.81	0.0	-9.99e-03	0.0	0.0
		0.0	0.0	9.05e-04	0.0	578.3	-42.07	-10.71	0.0	-9.99e-03	0.0	0.0
234	46	12.19	0.0	-3.33e-03	-16.52	0.0	-22.29	5.81	0.0	0.01	0.0	0.0
		0.0	0.0	-7.78e-04	0.0	578.3	-25.79	-10.71	0.0	0.01	0.0	0.0
234	47	12.19	0.0	-3.58e-03	-16.52	0.0	-37.91	5.81	0.0	-0.01	0.0	0.0
		0.0	0.0	1.69e-03	0.0	578.3	-41.41	-10.71	0.0	-0.01	0.0	0.0
234	55	12.19	0.0	-3.49e-03	-16.52	0.0	-37.05	5.81	0.0	0.01	0.0	0.0
		0.0	0.0	-1.15e-04	0.0	578.3	-40.56	-10.71	0.0	0.01	0.0	0.0
234	56	12.19	0.0	-3.44e-03	-16.52	0.0	-34.40	5.81	0.0	0.02	0.0	0.0
		0.0	0.0	-5.93e-04	0.0	578.3	-37.90	-10.71	0.0	0.02	0.0	0.0
234	58	12.19	0.0	-3.45e-03	-16.52	0.0	-23.80	5.81	0.0	-0.01	0.0	0.0
		0.0	0.0	2.42e-04	0.0	578.3	-27.31	-10.71	0.0	-0.01	0.0	0.0
234	75	12.19	0.0	-3.57e-03	-16.52	0.0	-36.43	5.81	0.0	-7.48e-03	0.0	0.0
		0.0	0.0	7.33e-04	0.0	578.3	-39.94	-10.71	0.0	-7.48e-03	0.0	0.0
234	78	12.19	0.0	-3.37e-03	-16.52	0.0	-24.42	5.81	0.0	7.56e-03	0.0	0.0
		0.0	0.0	-6.07e-04	0.0	578.3	-27.92	-10.71	0.0	7.56e-03	0.0	0.0
234	79	12.19	0.0	-3.55e-03	-16.52	0.0	-35.97	5.81	0.0	-7.83e-03	0.0	0.0
		0.0	0.0	1.31e-03	0.0	578.3	-39.47	-10.71	0.0	-7.83e-03	0.0	0.0
234	87	12.19	0.0	-3.49e-03	-16.52	0.0	-36.28	5.81	0.0	9.14e-03	0.0	0.0
		0.0	0.0	-9.58e-05	0.0	578.3	-39.79	-10.71	0.0	9.14e-03	0.0	0.0
234	88	12.19	0.0	-3.44e-03	-16.52	0.0	-33.94	5.81	0.0	0.02	0.0	0.0
		0.0	0.0	-5.22e-04	0.0	578.3	-37.44	-10.71	0.0	0.02	0.0	0.0
234	90	12.19	0.0	-3.45e-03	-16.52	0.0	-24.57	5.81	0.0	-9.06e-03	0.0	0.0
		0.0	0.0	2.22e-04	0.0	578.3	-28.07	-10.71	0.0	-9.06e-03	0.0	0.0
234	107	12.19	0.0	-3.55e-03	-16.52	0.0	-35.74	5.81	0.0	-6.64e-03	0.0	0.0
		0.0	0.0	6.62e-04	0.0	578.3	-39.25	-10.71	0.0	-6.64e-03	0.0	0.0
234	110	12.19	0.0	-3.39e-03	-16.52	0.0	-25.11	5.81	0.0	6.72e-03	0.0	0.0
		0.0	0.0	-5.36e-04	0.0	578.3	-28.61	-10.71	0.0	6.72e-03	0.0	0.0
234	111	12.19	0.0	-3.54e-03	-16.52	0.0	-35.34	5.81	0.0	-6.94e-03	0.0	0.0
		0.0	0.0	1.18e-03	0.0	578.3	-38.84	-10.71	0.0	-6.94e-03	0.0	0.0
234	119	12.19	0.0	-3.51e-03	-16.52	0.0	-41.28	5.81	0.0	0.02	0.0	0.0
		0.0	0.0	-2.19e-04	0.0	578.3	-44.79	-10.71	0.0	0.02	0.0	0.0
234	120	12.19	0.0	-3.40e-03	-16.52	0.0	-36.99	5.81	0.0	0.03	0.0	0.0
		0.0	0.0	-9.55e-04	0.0	578.3	-40.49	-10.71	0.0	0.03	0.0	0.0
234	122	12.19	0.0	-3.43e-03	-16.52	0.0	-19.57	5.81	0.0	-0.02	0.0	0.0
		0.0	0.0	3.45e-04	0.0	578.3	-23.07	-10.71	0.0	-0.02	0.0	0.0
234	139	12.19	0.0	-3.65e-03	-16.52	0.0	-40.20	5.81	0.0	-0.01	0.0	0.0
		0.0	0.0	1.10e-03	0.0	578.3	-43.71	-10.71	0.0	-0.01	0.0	0.0
234	142	12.19	0.0	-3.29e-03	-16.52	0.0	-20.65	5.81	0.0	0.01	0.0	0.0
		0.0	0.0	-9.69e-04	0.0	578.3	-24.15	-10.71	0.0	0.01	0.0	0.0
234	143	12.19	0.0	-3.61e-03	-16.52	0.0	-39.42	5.81	0.0	-0.01	0.0	0.0
		0.0	0.0	2.04e-03	0.0	578.3	-42.92	-10.71	0.0	-0.01	0.0	0.0
235	1	15.85	0.0	-4.45e-03	-21.47	0.0	-42.94	7.55	0.0	1.59e-04	0.0	0.0
		0.0	0.0	-3.42e-04	0.0	578.3	-47.49	-13.92	0.0	1.59e-04	0.0	0.0
235	2	15.85	0.0	-4.47e-03	-21.47	0.0	-43.85	7.55	0.0	-4.87e-04	0.0	0.0
		0.0	0.0	-1.64e-04	0.0	578.3	-48.40	-13.92	0.0	-4.87e-04	0.0	0.0
235	3	12.19	0.0	-3.43e-03	-16.52	0.0	-32.97	5.81	0.0	4.63e-05	0.0	0.0
		0.0	0.0	-3.52e-04	0.0	578.3	-36.48	-10.71	0.0	4.63e-05	0.0	0.0
235	9	12.19	0.0	-3.42e-03	-16.52	0.0	-32.94	5.81	0.0	8.91e-05	0.0	0.0
		0.0	0.0	-2.23e-04	0.0	578.3	-36.44	-10.71	0.0	8.91e-05	0.0	0.0
235	10	12.19	0.0	-3.44e-03	-16.52	0.0	-33.54	5.81	0.0	-3.41e-04	0.0	0.0
		0.0	0.0	-1.04e-04	0.0	578.3	-37.05	-10.71	0.0	-3.41e-04	0.0	0.0
235	13	12.19	0.0	-3.41e-03	-16.52	0.0	-32.71	5.81	0.0	8.91e-05	0.0	0.0
		0.0	0.0	3.48e-05	0.0	578.3	-36.21	-10.71	0.0	8.91e-05	0.0	0.0
235	14	12.19	0.0	-3.42e-03	-16.52	0.0	-33.01	5.81	0.0	-1.26e-04	0.0	0.0
		0.0	0.0	9.42e-05	0.0	578.3	-36.52	-10.71	0.0	-1.26e-04	0.0	0.0
235	17	12.19	0.0	-3.41e-03	-16.52	0.0	-32.71	5.81	0.0	8.91e-05	0.0	0.0
		0.0	0.0	3.48e-05	0.0	578.3	-36.21	-10.71	0.0	8.91e-05	0.0	0.0
235	18	12.19	0.0	-3.41e-03	-16.52	0.0	-32.89	5.81	0.0	-4.00e-05	0.0	0.0
		0.0	0.0	7.05e-05	0.0	578.3	-36.39	-10.71	0.0	-4.00e-05	0.0	0.0
235	21	12.19	0.0	2.91e-03	-16.52	0.0	-26.10	5.81	0.0	0.02	0.0	0.0
		0.0	0.0	1.75e-04	0.0	578.3	-29.60	-10.71	0.0	0.02	0.0	0.0
235	35	12.19	0.0	-2.95e-03	-16.52	0.0	-27.86	5.81	0.0	0.01	0.0	0.0
		0.0	0.0	-1.03e-03	0.0	578.3	-31.37	-10.71	0.0	0.01	0.0	0.0

235	36	12.19	0.0	-4.18e-03	-16.52	0.0	-40.83	5.81	0.0	-0.02	0.0	0.0
		0.0	0.0	9.28e-04	0.0	578.3	-44.33	-10.71	0.0	-0.02	0.0	0.0
235	38	12.19	0.0	-3.91e-03	-16.52	0.0	-37.92	5.81	0.0	-0.01	0.0	0.0
		0.0	0.0	1.17e-03	0.0	578.3	-41.42	-10.71	0.0	-0.01	0.0	0.0
235	48	12.19	0.0	-4.24e-03	-16.52	0.0	-42.49	5.81	0.0	-0.02	0.0	0.0
		0.0	0.0	-7.90e-04	0.0	578.3	-45.99	-10.71	0.0	-0.02	0.0	0.0
235	49	12.19	0.0	3.26e-03	-16.52	0.0	-23.29	5.81	0.0	0.02	0.0	0.0
		0.0	0.0	9.31e-04	0.0	578.3	-26.80	-10.71	0.0	0.02	0.0	0.0
235	53	12.19	0.0	-2.96e-03	-16.52	0.0	-27.71	5.81	0.0	0.02	0.0	0.0
		0.0	0.0	1.68e-04	0.0	578.3	-31.21	-10.71	0.0	0.02	0.0	0.0
235	67	12.19	0.0	-3.06e-03	-16.52	0.0	-29.08	5.81	0.0	8.15e-03	0.0	0.0
		0.0	0.0	-7.63e-04	0.0	578.3	-32.58	-10.71	0.0	8.15e-03	0.0	0.0
235	68	12.19	0.0	-3.99e-03	-16.52	0.0	-38.92	5.81	0.0	-0.02	0.0	0.0
		0.0	0.0	7.13e-04	0.0	578.3	-42.43	-10.71	0.0	-0.02	0.0	0.0
235	70	12.19	0.0	-3.79e-03	-16.52	0.0	-36.70	5.81	0.0	-8.23e-03	0.0	0.0
		0.0	0.0	9.04e-04	0.0	578.3	-40.21	-10.71	0.0	-8.23e-03	0.0	0.0
235	80	12.19	0.0	-4.02e-03	-16.52	0.0	-40.17	5.81	0.0	-0.02	0.0	0.0
		0.0	0.0	-6.19e-04	0.0	578.3	-43.67	-10.71	0.0	-0.02	0.0	0.0
235	81	12.19	0.0	-2.85e-03	-16.52	0.0	-25.61	5.81	0.0	0.02	0.0	0.0
		0.0	0.0	7.60e-04	0.0	578.3	-29.11	-10.71	0.0	0.02	0.0	0.0
235	85	12.19	0.0	-3.01e-03	-16.52	0.0	-28.29	5.81	0.0	0.02	0.0	0.0
		0.0	0.0	1.59e-04	0.0	578.3	-31.79	-10.71	0.0	0.02	0.0	0.0
235	99	12.19	0.0	-3.09e-03	-16.52	0.0	-29.50	5.81	0.0	7.23e-03	0.0	0.0
		0.0	0.0	-6.71e-04	0.0	578.3	-33.01	-10.71	0.0	7.23e-03	0.0	0.0
235	100	12.19	0.0	-3.93e-03	-16.52	0.0	-38.25	5.81	0.0	-0.01	0.0	0.0
		0.0	0.0	6.40e-04	0.0	578.3	-41.76	-10.71	0.0	-0.01	0.0	0.0
235	102	12.19	0.0	-3.74e-03	-16.52	0.0	-36.28	5.81	0.0	-7.31e-03	0.0	0.0
		0.0	0.0	8.11e-04	0.0	578.3	-39.78	-10.71	0.0	-7.31e-03	0.0	0.0
235	112	12.19	0.0	-3.95e-03	-16.52	0.0	-39.36	5.81	0.0	-0.01	0.0	0.0
		0.0	0.0	-5.45e-04	0.0	578.3	-42.86	-10.71	0.0	-0.01	0.0	0.0
235	113	12.19	0.0	-2.91e-03	-16.52	0.0	-26.42	5.81	0.0	0.01	0.0	0.0
		0.0	0.0	6.86e-04	0.0	578.3	-29.93	-10.71	0.0	0.01	0.0	0.0
235	117	12.19	0.0	3.19e-03	-16.52	0.0	-24.70	5.81	0.0	0.03	0.0	0.0
		0.0	0.0	1.96e-04	0.0	578.3	-28.20	-10.71	0.0	0.03	0.0	0.0
235	131	12.19	0.0	-2.86e-03	-16.52	0.0	-26.82	5.81	0.0	0.01	0.0	0.0
		0.0	0.0	-1.26e-03	0.0	578.3	-30.32	-10.71	0.0	0.01	0.0	0.0
235	132	12.19	0.0	-4.35e-03	-16.52	0.0	-42.47	5.81	0.0	-0.03	0.0	0.0
		0.0	0.0	1.11e-03	0.0	578.3	-45.97	-10.71	0.0	-0.03	0.0	0.0
235	134	12.19	0.0	-4.01e-03	-16.52	0.0	-38.96	5.81	0.0	-0.01	0.0	0.0
		0.0	0.0	1.40e-03	0.0	578.3	-42.46	-10.71	0.0	-0.01	0.0	0.0
235	144	12.19	0.0	-4.42e-03	-16.52	0.0	-44.49	5.81	0.0	-0.03	0.0	0.0
		0.0	0.0	-9.55e-04	0.0	578.3	-47.99	-10.71	0.0	-0.03	0.0	0.0
235	145	12.19	0.0	3.62e-03	-16.52	0.0	-21.29	5.81	0.0	0.03	0.0	0.0
		0.0	0.0	1.10e-03	0.0	578.3	-24.80	-10.71	0.0	0.03	0.0	0.0
236	1	15.85	0.0	-6.45e-03	-21.47	0.0	-43.93	13.92	0.0	-1.59e-04	0.0	0.0
		0.0	0.0	-3.27e-04	0.0	578.3	-39.38	-7.55	0.0	-1.59e-04	0.0	0.0
236	4	12.19	0.0	-4.95e-03	-16.52	0.0	-32.94	10.71	0.0	5.99e-04	0.0	0.0
		0.0	0.0	-1.45e-04	0.0	578.3	-29.43	-5.81	0.0	5.99e-04	0.0	0.0
236	5	15.85	0.0	-6.45e-03	-21.47	0.0	-43.71	13.92	0.0	-1.59e-04	0.0	0.0
		0.0	0.0	-5.79e-04	0.0	578.3	-39.15	-7.55	0.0	-1.59e-04	0.0	0.0
236	7	12.19	0.0	-4.96e-03	-16.52	0.0	-33.62	10.71	0.0	-4.64e-05	0.0	0.0
		0.0	0.0	-5.90e-04	0.0	578.3	-30.12	-5.81	0.0	-4.64e-05	0.0	0.0
236	9	12.19	0.0	-4.97e-03	-16.52	0.0	-33.89	10.71	0.0	-8.91e-05	0.0	0.0
		0.0	0.0	-2.13e-04	0.0	578.3	-30.38	-5.81	0.0	-8.91e-05	0.0	0.0
236	10	12.19	0.0	-4.96e-03	-16.52	0.0	-33.28	10.71	0.0	3.41e-04	0.0	0.0
		0.0	0.0	-8.40e-05	0.0	578.3	-29.78	-5.81	0.0	3.41e-04	0.0	0.0
236	11	12.19	0.0	-4.97e-03	-16.52	0.0	-33.74	10.71	0.0	-8.92e-05	0.0	0.0
		0.0	0.0	-3.81e-04	0.0	578.3	-30.23	-5.81	0.0	-8.92e-05	0.0	0.0
236	13	12.19	0.0	-4.97e-03	-16.52	0.0	-34.11	10.71	0.0	-8.91e-05	0.0	0.0
		0.0	0.0	3.92e-05	0.0	578.3	-30.61	-5.81	0.0	-8.91e-05	0.0	0.0
236	14	12.19	0.0	-4.96e-03	-16.52	0.0	-33.81	10.71	0.0	1.26e-04	0.0	0.0
		0.0	0.0	1.04e-04	0.0	578.3	-30.31	-5.81	0.0	1.26e-04	0.0	0.0
236	15	12.19	0.0	-4.97e-03	-16.52	0.0	-34.04	10.71	0.0	-8.91e-05	0.0	0.0
		0.0	0.0	-4.47e-05	0.0	578.3	-30.53	-5.81	0.0	-8.91e-05	0.0	0.0
236	17	12.19	0.0	-4.97e-03	-16.52	0.0	-34.11	10.71	0.0	-8.91e-05	0.0	0.0
		0.0	0.0	3.92e-05	0.0	578.3	-30.61	-5.81	0.0	-8.91e-05	0.0	0.0
236	18	12.19	0.0	-4.97e-03	-16.52	0.0	-33.93	10.71	0.0	4.00e-05	0.0	0.0
		0.0	0.0	7.78e-05	0.0	578.3	-30.43	-5.81	0.0	4.00e-05	0.0	0.0
236	20	12.19	0.0	-5.07e-03	-16.52	0.0	-30.66	10.71	0.0	0.02	0.0	0.0
		0.0	0.0	8.83e-05	0.0	578.3	-27.16	-5.81	0.0	0.02	0.0	0.0
236	21	12.19	0.0	-4.87e-03	-16.52	0.0	-37.20	10.71	0.0	-0.02	0.0	0.0
		0.0	0.0	6.73e-05	0.0	578.3	-33.69	-5.81	0.0	-0.02	0.0	0.0
236	23	12.19	0.0	-5.05e-03	-16.52	0.0	-28.41	10.71	0.0	0.01	0.0	0.0
		0.0	0.0	1.52e-04	0.0	578.3	-24.90	-5.81	0.0	0.01	0.0	0.0
236	26	12.19	0.0	-4.88e-03	-16.52	0.0	-39.45	10.71	0.0	-0.01	0.0	0.0

		0.0	0.0	3.66e-06	0.0	578.3	-35.95	-5.81	0.0	-0.01	0.0	0.0
236	27	12.19	0.0	-5.20e-03	-16.52	0.0	-26.82	10.71	0.0	0.01	0.0	0.0
		0.0	0.0	2.72e-04	0.0	578.3	-23.32	-5.81	0.0	0.01	0.0	0.0
236	30	12.19	0.0	-4.73e-03	-16.52	0.0	-41.04	10.71	0.0	-0.01	0.0	0.0
		0.0	0.0	-1.17e-04	0.0	578.3	-37.53	-5.81	0.0	-0.01	0.0	0.0
236	52	12.19	0.0	-5.03e-03	-16.52	0.0	-31.54	10.71	0.0	0.02	0.0	0.0
		0.0	0.0	6.91e-05	0.0	578.3	-28.03	-5.81	0.0	0.02	0.0	0.0
236	53	12.19	0.0	-4.90e-03	-16.52	0.0	-36.32	10.71	0.0	-0.02	0.0	0.0
		0.0	0.0	8.65e-05	0.0	578.3	-32.82	-5.81	0.0	-0.02	0.0	0.0
236	55	12.19	0.0	-5.03e-03	-16.52	0.0	-29.87	10.71	0.0	0.01	0.0	0.0
		0.0	0.0	1.21e-04	0.0	578.3	-26.36	-5.81	0.0	0.01	0.0	0.0
236	58	12.19	0.0	-4.91e-03	-16.52	0.0	-37.99	10.71	0.0	-0.01	0.0	0.0
		0.0	0.0	3.43e-05	0.0	578.3	-34.49	-5.81	0.0	-0.01	0.0	0.0
236	59	12.19	0.0	-5.12e-03	-16.52	0.0	-28.67	10.71	0.0	8.98e-03	0.0	0.0
		0.0	0.0	2.18e-04	0.0	578.3	-25.17	-5.81	0.0	8.98e-03	0.0	0.0
236	62	12.19	0.0	-4.81e-03	-16.52	0.0	-39.19	10.71	0.0	-8.90e-03	0.0	0.0
		0.0	0.0	-6.23e-05	0.0	578.3	-35.68	-5.81	0.0	-8.90e-03	0.0	0.0
236	84	12.19	0.0	-5.03e-03	-16.52	0.0	-31.81	10.71	0.0	0.02	0.0	0.0
		0.0	0.0	6.77e-05	0.0	578.3	-28.31	-5.81	0.0	0.02	0.0	0.0
236	85	12.19	0.0	-4.91e-03	-16.52	0.0	-36.05	10.71	0.0	-0.02	0.0	0.0
		0.0	0.0	8.79e-05	0.0	578.3	-32.54	-5.81	0.0	-0.02	0.0	0.0
236	87	12.19	0.0	-5.02e-03	-16.52	0.0	-30.33	10.71	0.0	9.14e-03	0.0	0.0
		0.0	0.0	1.14e-04	0.0	578.3	-26.83	-5.81	0.0	9.14e-03	0.0	0.0
236	90	12.19	0.0	-4.91e-03	-16.52	0.0	-37.53	10.71	0.0	-9.06e-03	0.0	0.0
		0.0	0.0	4.14e-05	0.0	578.3	-34.02	-5.81	0.0	-9.06e-03	0.0	0.0
236	91	12.19	0.0	-5.10e-03	-16.52	0.0	-29.27	10.71	0.0	7.95e-03	0.0	0.0
		0.0	0.0	2.02e-04	0.0	578.3	-25.77	-5.81	0.0	7.95e-03	0.0	0.0
236	94	12.19	0.0	-4.83e-03	-16.52	0.0	-38.59	10.71	0.0	-7.87e-03	0.0	0.0
		0.0	0.0	-4.67e-05	0.0	578.3	-35.08	-5.81	0.0	-7.87e-03	0.0	0.0
236	116	12.19	0.0	-5.09e-03	-16.52	0.0	-30.02	10.71	0.0	0.03	0.0	0.0
		0.0	0.0	1.02e-04	0.0	578.3	-26.52	-5.81	0.0	0.03	0.0	0.0
236	117	12.19	0.0	-4.85e-03	-16.52	0.0	-37.84	10.71	0.0	-0.03	0.0	0.0
		0.0	0.0	5.39e-05	0.0	578.3	-34.33	-5.81	0.0	-0.03	0.0	0.0
236	119	12.19	0.0	-5.07e-03	-16.52	0.0	-27.32	10.71	0.0	0.02	0.0	0.0
		0.0	0.0	1.69e-04	0.0	578.3	-23.82	-5.81	0.0	0.02	0.0	0.0
236	122	12.19	0.0	-4.87e-03	-16.52	0.0	-40.54	10.71	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.37e-05	0.0	578.3	-37.04	-5.81	0.0	-0.02	0.0	0.0
236	123	12.19	0.0	-5.26e-03	-16.52	0.0	-25.44	10.71	0.0	0.01	0.0	0.0
		0.0	0.0	3.81e-04	0.0	578.3	-21.94	-5.81	0.0	0.01	0.0	0.0
236	126	12.19	0.0	-4.67e-03	-16.52	0.0	-42.42	10.71	0.0	-0.01	0.0	0.0
		0.0	0.0	-2.26e-04	0.0	578.3	-38.92	-5.81	0.0	-0.01	0.0	0.0
238	1	1.92	6.43e-05	2.11e-03	-2.35	0.0	18.21	1.09	-1.14e-05	6.19e-04	6.43e-05	0.50
		0.0	0.0	-3.42e-04	0.0	565.7	18.21	-1.26	-1.14e-05	6.19e-04	0.0	0.0
238	2	1.94	1.03e-04	2.07e-03	-2.35	0.0	18.15	1.08	-1.82e-05	1.69e-03	1.03e-04	0.53
		0.0	0.0	-1.63e-04	0.0	565.7	18.15	-1.27	-1.82e-05	1.69e-03	0.0	0.0
238	7	1.47	1.05e-04	1.59e-03	-1.81	0.0	13.68	0.84	-1.86e-05	7.92e-04	1.05e-04	0.38
		0.0	0.0	-6.08e-04	0.0	565.7	13.68	-0.97	-1.86e-05	7.92e-04	0.0	0.0
238	8	1.49	1.32e-04	1.56e-03	-1.81	0.0	13.64	0.83	-2.34e-05	1.54e-03	1.32e-04	0.40
		0.0	0.0	-4.83e-04	0.0	565.7	13.64	-0.98	-2.34e-05	1.54e-03	0.0	0.0
238	9	1.47	4.42e-05	1.62e-03	-1.81	0.0	14.01	0.84	-7.82e-06	4.40e-04	4.42e-05	0.38
		0.0	0.0	-2.23e-04	0.0	565.7	14.01	-0.97	-7.82e-06	4.40e-04	0.0	0.0
238	10	1.49	7.00e-05	1.60e-03	-1.81	0.0	13.97	0.83	-1.24e-05	1.15e-03	7.00e-05	0.40
		0.0	0.0	-1.03e-04	0.0	565.7	13.97	-0.98	-1.24e-05	1.15e-03	0.0	0.0
238	11	1.48	7.08e-05	1.61e-03	-1.81	0.0	13.88	0.84	-1.25e-05	5.96e-04	7.08e-05	0.38
		0.0	0.0	-3.94e-04	0.0	565.7	13.88	-0.97	-1.25e-05	5.96e-04	0.0	0.0
238	12	1.48	8.88e-05	1.59e-03	-1.81	0.0	13.85	0.83	-1.57e-05	1.10e-03	8.88e-05	0.40
		0.0	0.0	-3.11e-04	0.0	565.7	13.85	-0.98	-1.57e-05	1.10e-03	0.0	0.0
238	13	1.47	4.43e-06	1.65e-03	-1.81	0.0	14.21	0.84	0.0	2.05e-04	4.43e-06	0.38
		0.0	0.0	3.49e-05	0.0	565.7	14.21	-0.97	0.0	2.05e-04	0.0	0.0
238	14	1.48	1.73e-05	1.64e-03	-1.81	0.0	14.19	0.84	-3.06e-06	5.62e-04	1.73e-05	0.39
		0.0	0.0	9.44e-05	0.0	565.7	14.19	-0.97	-3.06e-06	5.62e-04	0.0	0.0
238	15	1.47	1.77e-05	1.64e-03	-1.81	0.0	14.14	0.84	-3.13e-06	2.83e-04	1.77e-05	0.38
		0.0	0.0	-5.10e-05	0.0	565.7	14.14	-0.97	-3.13e-06	2.83e-04	0.0	0.0
238	16	1.48	2.54e-05	1.63e-03	-1.81	0.0	14.13	0.84	-4.49e-06	4.98e-04	2.54e-05	0.39
		0.0	0.0	-1.52e-05	0.0	565.7	14.13	-0.97	-4.49e-06	4.98e-04	0.0	0.0
238	17	1.47	4.43e-06	1.65e-03	-1.81	0.0	14.21	0.84	0.0	2.05e-04	4.43e-06	0.38
		0.0	0.0	3.49e-05	0.0	565.7	14.21	-0.97	0.0	2.05e-04	0.0	0.0
238	18	1.48	1.22e-05	1.64e-03	-1.81	0.0	14.19	0.84	-2.15e-06	4.19e-04	1.22e-05	0.38
		0.0	0.0	7.06e-05	0.0	565.7	14.19	-0.97	-2.15e-06	4.19e-04	0.0	0.0
238	19	1.51	0.01	1.15e-03	-1.81	0.0	13.34	0.83	-1.83e-03	-0.12	0.01	0.44
		0.0	0.0	-6.45e-04	0.0	565.7	13.34	-0.98	-1.83e-03	-0.12	0.0	0.0
238	22	1.45	0.0	2.13e-03	-1.81	0.0	15.05	0.85	1.82e-03	0.12	-0.01	0.33
		0.0	-0.01	7.87e-04	0.0	565.7	15.05	-0.96	1.82e-03	0.12	0.0	0.0
238	27	1.51	9.32e-03	1.11e-03	-1.81	0.0	12.53	0.83	-1.65e-03	-0.11	9.32e-03	0.44
		0.0	0.0	1.31e-03	0.0	565.7	12.53	-0.98	-1.65e-03	-0.11	0.0	0.0

238	48	1.57	0.0	-4.34e-04	-1.81	0.0	10.80	0.81	5.97e-04	0.04	-3.38e-03	0.54
		0.0	-3.38e-03	-7.82e-04	0.0	565.7	10.80	-1.00	5.97e-04	0.04	0.0	0.0
238	49	1.39	3.40e-03	3.06e-03	-1.81	0.0	17.59	0.87	-6.02e-04	-0.04	3.40e-03	0.22
		0.0	0.0	9.23e-04	0.0	565.7	17.59	-0.94	-6.02e-04	-0.04	0.0	0.0
238	51	1.50	7.56e-03	1.28e-03	-1.81	0.0	13.55	0.83	-1.34e-03	-0.09	7.56e-03	0.43
		0.0	0.0	-4.87e-04	0.0	565.7	13.55	-0.98	-1.34e-03	-0.09	0.0	0.0
238	54	1.45	0.0	2.01e-03	-1.81	0.0	14.84	0.84	1.33e-03	0.09	-7.54e-03	0.34
		0.0	-7.54e-03	6.28e-04	0.0	565.7	14.84	-0.97	1.33e-03	0.09	0.0	0.0
238	59	1.50	6.86e-03	1.24e-03	-1.81	0.0	12.94	0.83	-1.21e-03	-0.08	6.86e-03	0.43
		0.0	0.0	9.58e-04	0.0	565.7	12.94	-0.98	-1.21e-03	-0.08	0.0	0.0
238	80	1.54	0.0	5.66e-04	-1.81	0.0	11.62	0.82	4.37e-04	0.03	-2.47e-03	0.51
		0.0	-2.47e-03	-6.12e-04	0.0	565.7	11.62	-0.99	4.37e-04	0.03	0.0	0.0
238	81	1.41	2.50e-03	2.72e-03	-1.81	0.0	16.77	0.86	-4.41e-04	-0.03	2.50e-03	0.26
		0.0	0.0	7.53e-04	0.0	565.7	16.77	-0.95	-4.41e-04	-0.03	0.0	0.0
238	83	1.50	6.69e-03	1.32e-03	-1.81	0.0	13.62	0.83	-1.18e-03	-0.08	6.69e-03	0.42
		0.0	0.0	-4.27e-04	0.0	565.7	13.62	-0.98	-1.18e-03	-0.08	0.0	0.0
238	86	1.45	0.0	1.96e-03	-1.81	0.0	14.77	0.84	1.18e-03	0.08	-6.66e-03	0.35
		0.0	-6.66e-03	5.68e-04	0.0	565.7	14.77	-0.97	1.18e-03	0.08	0.0	0.0
238	91	1.50	6.08e-03	1.29e-03	-1.81	0.0	13.08	0.83	-1.07e-03	-0.07	6.08e-03	0.42
		0.0	0.0	8.54e-04	0.0	565.7	13.08	-0.98	-1.07e-03	-0.07	0.0	0.0
238	112	1.54	0.0	6.86e-04	-1.81	0.0	11.91	0.82	3.86e-04	0.03	-2.19e-03	0.49
		0.0	-2.19e-03	-5.39e-04	0.0	565.7	11.91	-0.99	3.86e-04	0.03	0.0	0.0
238	113	1.42	2.21e-03	2.60e-03	-1.81	0.0	16.48	0.86	-3.91e-04	-0.03	2.21e-03	0.28
		0.0	0.0	6.80e-04	0.0	565.7	16.48	-0.95	-3.91e-04	-0.03	0.0	0.0
238	115	1.51	0.01	1.05e-03	-1.81	0.0	13.17	0.83	-2.19e-03	-0.14	0.01	0.45
		0.0	0.0	-7.96e-04	0.0	565.7	13.17	-0.98	-2.19e-03	-0.14	0.0	0.0
238	118	1.44	0.0	2.24e-03	-1.81	0.0	15.22	0.85	2.19e-03	0.15	-0.01	0.32
		0.0	-0.01	9.37e-04	0.0	565.7	15.22	-0.96	2.19e-03	0.15	0.0	0.0
238	123	1.52	0.01	1.00e-03	-1.81	0.0	12.19	0.82	-1.97e-03	-0.12	0.01	0.45
		0.0	0.0	1.60e-03	0.0	565.7	12.19	-0.99	-1.97e-03	-0.12	0.0	0.0
238	144	1.59	0.0	-5.80e-04	-1.81	0.0	10.09	0.80	7.19e-04	0.05	-4.07e-03	0.58
		0.0	-4.07e-03	-9.45e-04	0.0	565.7	10.09	-1.01	7.19e-04	0.05	0.0	0.0
238	145	1.38	4.09e-03	3.36e-03	-1.81	0.0	18.30	0.87	-7.23e-04	-0.05	4.09e-03	0.19
		0.0	0.0	1.09e-03	0.0	565.7	18.30	-0.94	-7.23e-04	-0.05	0.0	0.0
239	1	1.82	0.0	1.98e-03	-2.35	0.0	16.10	1.12	8.03e-06	1.25e-03	-4.54e-05	0.31
		0.0	-4.54e-05	-3.42e-04	0.0	565.7	16.10	-1.23	8.03e-06	1.25e-03	0.0	0.0
239	4	1.38	0.0	1.50e-03	-1.81	0.0	12.47	0.87	1.55e-05	3.33e-03	-8.75e-05	0.21
		0.0	-8.75e-05	-1.73e-04	0.0	565.7	12.47	-0.94	1.55e-05	3.33e-03	0.0	0.0
239	5	1.81	0.0	1.98e-03	-2.35	0.0	16.22	1.12	1.37e-05	1.47e-03	-7.74e-05	0.30
		0.0	-7.74e-05	-6.00e-04	0.0	565.7	16.22	-1.23	1.37e-05	1.47e-03	0.0	0.0
239	8	1.39	0.0	1.51e-03	-1.81	0.0	12.61	0.87	1.91e-05	2.87e-03	-1.08e-04	0.21
		0.0	-1.08e-04	-4.85e-04	0.0	565.7	12.61	-0.94	1.91e-05	2.87e-03	0.0	0.0
239	9	1.40	0.0	1.53e-03	-1.81	0.0	12.40	0.86	5.53e-06	9.47e-04	-3.13e-05	0.24
		0.0	-3.13e-05	-2.23e-04	0.0	565.7	12.40	-0.95	5.53e-06	9.47e-04	0.0	0.0
239	10	1.39	0.0	1.51e-03	-1.81	0.0	12.37	0.87	1.01e-05	2.45e-03	-5.71e-05	0.22
		0.0	-5.71e-05	-1.04e-04	0.0	565.7	12.37	-0.94	1.01e-05	2.45e-03	0.0	0.0
239	11	1.40	0.0	1.53e-03	-1.81	0.0	12.48	0.86	9.29e-06	1.09e-03	-5.25e-05	0.24
		0.0	-5.25e-05	-3.95e-04	0.0	565.7	12.48	-0.95	9.29e-06	1.09e-03	0.0	0.0
239	12	1.39	0.0	1.52e-03	-1.81	0.0	12.46	0.87	1.25e-05	2.14e-03	-7.06e-05	0.22
		0.0	-7.06e-05	-3.12e-04	0.0	565.7	12.46	-0.94	1.25e-05	2.14e-03	0.0	0.0
239	13	1.40	0.0	1.53e-03	-1.81	0.0	12.27	0.86	0.0	7.34e-04	0.0	0.24
		0.0	0.0	3.48e-05	0.0	565.7	12.27	-0.95	0.0	7.34e-04	0.0	0.0
239	14	1.40	0.0	1.52e-03	-1.81	0.0	12.26	0.86	2.16e-06	1.48e-03	-1.22e-05	0.23
		0.0	-1.22e-05	9.42e-05	0.0	565.7	12.26	-0.95	2.16e-06	1.48e-03	0.0	0.0
239	15	1.40	0.0	1.53e-03	-1.81	0.0	12.31	0.86	1.76e-06	8.05e-04	-9.97e-06	0.24
		0.0	-9.97e-06	-5.11e-05	0.0	565.7	12.31	-0.95	1.76e-06	8.05e-04	0.0	0.0
239	16	1.40	0.0	1.52e-03	-1.81	0.0	12.31	0.86	3.13e-06	1.26e-03	-1.77e-05	0.24
		0.0	-1.77e-05	-1.55e-05	0.0	565.7	12.31	-0.95	3.13e-06	1.26e-03	0.0	0.0
239	17	1.40	0.0	1.53e-03	-1.81	0.0	12.27	0.86	0.0	7.34e-04	0.0	0.24
		0.0	0.0	3.48e-05	0.0	565.7	12.27	-0.95	0.0	7.34e-04	0.0	0.0
239	18	1.40	0.0	1.53e-03	-1.81	0.0	12.26	0.86	1.25e-06	1.18e-03	-7.07e-06	0.24
		0.0	-7.07e-06	7.05e-05	0.0	565.7	12.26	-0.95	1.25e-06	1.18e-03	0.0	0.0
239	23	1.48	0.0	1.46e-03	-1.81	0.0	9.73	0.84	4.24e-04	0.06	-2.40e-03	0.39
		0.0	-2.40e-03	-4.79e-05	0.0	565.7	9.73	-0.97	4.24e-04	0.06	0.0	0.0
239	37	1.43	5.61e-03	1.51e-03	-1.81	0.0	11.84	0.85	-9.91e-04	-0.15	5.61e-03	0.30
		0.0	0.0	-8.68e-04	0.0	565.7	11.84	-0.96	-9.91e-04	-0.15	0.0	0.0
239	43	1.47	3.50e-03	1.48e-03	-1.81	0.0	9.69	0.84	-6.19e-04	-0.08	3.50e-03	0.38
		0.0	0.0	6.99e-04	0.0	565.7	9.69	-0.97	-6.19e-04	-0.08	0.0	0.0
239	44	1.36	0.0	1.54e-03	-1.81	0.0	13.67	0.88	1.02e-03	0.14	-5.79e-03	0.17
		0.0	-5.79e-03	-7.60e-04	0.0	565.7	13.67	-0.93	1.02e-03	0.14	0.0	0.0
239	45	1.43	5.77e-03	1.51e-03	-1.81	0.0	10.86	0.85	-1.02e-03	-0.14	5.77e-03	0.31
		0.0	0.0	9.01e-04	0.0	565.7	10.86	-0.96	-1.02e-03	-0.14	0.0	0.0
239	46	1.33	0.0	1.57e-03	-1.81	0.0	14.83	0.89	6.22e-04	0.09	-3.52e-03	0.09
		0.0	-3.52e-03	-5.58e-04	0.0	565.7	14.83	-0.92	6.22e-04	0.09	0.0	0.0
239	55	1.46	0.0	1.48e-03	-1.81	0.0	10.41	0.84	3.20e-04	0.04	-1.81e-03	0.35

		0.0	-1.81e-03	-2.25e-05	0.0	565.7	10.41	-0.97	3.20e-04	0.04	0.0	0.0
239	69	1.42	4.25e-03	1.51e-03	-1.81	0.0	11.94	0.86	-7.51e-04	-0.12	4.25e-03	0.28
		0.0	0.0	-6.34e-04	0.0	565.7	11.94	-0.95	-7.51e-04	-0.12	0.0	0.0
239	75	1.45	2.66e-03	1.50e-03	-1.81	0.0	10.35	0.84	-4.70e-04	-0.06	2.66e-03	0.34
		0.0	0.0	5.78e-04	0.0	565.7	10.35	-0.97	-4.70e-04	-0.06	0.0	0.0
239	76	1.37	0.0	1.53e-03	-1.81	0.0	13.33	0.87	7.76e-04	0.11	-4.39e-03	0.18
		0.0	-4.39e-03	-5.99e-04	0.0	565.7	13.33	-0.94	7.76e-04	0.11	0.0	0.0
239	77	1.43	4.38e-03	1.52e-03	-1.81	0.0	11.20	0.85	-7.74e-04	-0.10	4.38e-03	0.29
		0.0	0.0	7.40e-04	0.0	565.7	11.20	-0.96	-7.74e-04	-0.10	0.0	0.0
239	78	1.35	0.0	1.56e-03	-1.81	0.0	14.18	0.88	4.73e-04	0.07	-2.67e-03	0.13
		0.0	-2.67e-03	-4.37e-04	0.0	565.7	14.18	-0.93	4.73e-04	0.07	0.0	0.0
239	87	1.45	0.0	1.49e-03	-1.81	0.0	10.62	0.85	2.84e-04	0.04	-1.61e-03	0.34
		0.0	-1.61e-03	-1.25e-05	0.0	565.7	10.62	-0.96	2.84e-04	0.04	0.0	0.0
239	101	1.42	3.78e-03	1.51e-03	-1.81	0.0	11.97	0.86	-6.67e-04	-0.10	3.78e-03	0.28
		0.0	0.0	-5.55e-04	0.0	565.7	11.97	-0.95	-6.67e-04	-0.10	0.0	0.0
239	107	1.45	2.36e-03	1.50e-03	-1.81	0.0	10.57	0.85	-4.18e-04	-0.06	2.36e-03	0.33
		0.0	0.0	5.25e-04	0.0	565.7	10.57	-0.96	-4.18e-04	-0.06	0.0	0.0
239	108	1.38	0.0	1.53e-03	-1.81	0.0	13.21	0.87	6.90e-04	0.09	-3.90e-03	0.19
		0.0	-3.90e-03	-5.29e-04	0.0	565.7	13.21	-0.94	6.90e-04	0.09	0.0	0.0
239	109	1.42	3.89e-03	1.52e-03	-1.81	0.0	11.32	0.85	-6.87e-04	-0.09	3.89e-03	0.28
		0.0	0.0	6.70e-04	0.0	565.7	11.32	-0.96	-6.87e-04	-0.09	0.0	0.0
239	110	1.35	0.0	1.55e-03	-1.81	0.0	13.96	0.88	4.20e-04	0.06	-2.38e-03	0.14
		0.0	-2.38e-03	-3.84e-04	0.0	565.7	13.96	-0.93	4.20e-04	0.06	0.0	0.0
239	119	1.50	0.0	1.45e-03	-1.81	0.0	9.22	0.83	5.10e-04	0.07	-2.89e-03	0.42
		0.0	-2.89e-03	-7.43e-05	0.0	565.7	9.22	-0.98	5.10e-04	0.07	0.0	0.0
239	133	1.43	6.77e-03	1.50e-03	-1.81	0.0	11.76	0.85	-1.20e-03	-0.18	6.77e-03	0.31
		0.0	0.0	-1.06e-03	0.0	565.7	11.76	-0.96	-1.20e-03	-0.18	0.0	0.0
239	139	1.49	4.23e-03	1.47e-03	-1.81	0.0	9.17	0.83	-7.49e-04	-0.10	4.23e-03	0.41
		0.0	0.0	8.44e-04	0.0	565.7	9.17	-0.98	-7.49e-04	-0.10	0.0	0.0
239	140	1.36	0.0	1.54e-03	-1.81	0.0	13.96	0.88	1.23e-03	0.17	-6.99e-03	0.15
		0.0	-6.99e-03	-9.52e-04	0.0	565.7	13.96	-0.93	1.23e-03	0.17	0.0	0.0
239	141	1.44	6.97e-03	1.51e-03	-1.81	0.0	10.56	0.85	-1.23e-03	-0.17	6.97e-03	0.32
		0.0	0.0	1.09e-03	0.0	565.7	10.56	-0.96	-1.23e-03	-0.17	0.0	0.0
239	142	1.31	0.0	1.58e-03	-1.81	0.0	15.36	0.89	7.51e-04	0.11	-4.25e-03	0.07
		0.0	-4.25e-03	-7.03e-04	0.0	565.7	15.36	-0.92	7.51e-04	0.11	0.0	0.0
240	1	1.69	0.0	1.18e-04	-4.84	0.0	0.26	2.42	0.0	-2.02e-03	0.0	0.0
		0.0	0.0	-1.31e-04	0.0	280.0	0.26	-2.42	0.0	-2.02e-03	0.0	0.0
240	2	1.69	0.0	2.01e-04	-4.84	0.0	1.09	2.42	0.0	-6.06e-03	0.0	0.0
		0.0	0.0	6.75e-05	0.0	280.0	1.09	-2.42	0.0	-6.06e-03	0.0	0.0
240	3	1.30	0.0	6.29e-05	-3.72	0.0	0.20	1.86	0.0	-1.76e-03	0.0	0.0
		0.0	0.0	-1.47e-04	0.0	280.0	0.20	-1.86	0.0	-1.76e-03	0.0	0.0
240	5	1.69	0.0	9.84e-05	-4.84	0.0	0.26	2.42	0.0	-2.66e-03	0.0	0.0
		0.0	0.0	-2.87e-04	0.0	280.0	0.26	-2.42	0.0	-2.66e-03	0.0	0.0
240	7	1.30	0.0	-6.77e-05	-3.72	0.0	0.21	1.86	0.0	-2.40e-03	0.0	0.0
		0.0	0.0	-3.03e-04	0.0	280.0	0.21	-1.86	0.0	-2.40e-03	0.0	0.0
240	9	1.30	0.0	8.44e-05	-3.72	0.0	0.20	1.86	0.0	-1.45e-03	0.0	0.0
		0.0	0.0	-7.39e-05	0.0	280.0	0.20	-1.86	0.0	-1.45e-03	0.0	0.0
240	10	1.30	0.0	1.40e-04	-3.72	0.0	0.75	1.86	0.0	-4.14e-03	0.0	0.0
		0.0	0.0	5.87e-05	0.0	280.0	0.75	-1.86	0.0	-4.14e-03	0.0	0.0
240	11	1.30	0.0	7.15e-05	-3.72	0.0	0.20	1.86	0.0	-1.88e-03	0.0	0.0
		0.0	0.0	-1.77e-04	0.0	280.0	0.20	-1.86	0.0	-1.88e-03	0.0	0.0
240	13	1.30	0.0	1.04e-04	-3.72	0.0	0.19	1.86	0.0	-8.18e-04	0.0	0.0
		0.0	0.0	8.15e-05	0.0	280.0	0.19	-1.86	0.0	-8.18e-04	0.0	0.0
240	14	1.30	0.0	1.32e-04	-3.72	0.0	0.47	1.86	0.0	-2.16e-03	0.0	0.0
		0.0	0.0	1.48e-04	0.0	280.0	0.47	-1.86	0.0	-2.16e-03	0.0	0.0
240	15	1.30	0.0	9.73e-05	-3.72	0.0	0.19	1.86	0.0	-1.03e-03	0.0	0.0
		0.0	0.0	2.97e-05	0.0	280.0	0.19	-1.86	0.0	-1.03e-03	0.0	0.0
240	17	1.30	0.0	1.04e-04	-3.72	0.0	0.19	1.86	0.0	-8.18e-04	0.0	0.0
		0.0	0.0	8.15e-05	0.0	280.0	0.19	-1.86	0.0	-8.18e-04	0.0	0.0
240	18	1.30	0.0	1.20e-04	-3.72	0.0	0.36	1.86	0.0	-1.63e-03	0.0	0.0
		0.0	0.0	1.21e-04	0.0	280.0	0.36	-1.86	0.0	-1.63e-03	0.0	0.0
240	27	1.30	0.0	1.63e-03	-3.72	0.0	17.19	1.86	0.0	0.03	0.0	0.0
		0.0	0.0	3.30e-03	0.0	280.0	17.19	-1.86	0.0	0.03	0.0	0.0
240	28	1.30	0.0	1.11e-03	-3.72	0.0	9.70	1.86	0.0	0.05	0.0	0.0
		0.0	0.0	3.96e-03	0.0	280.0	9.70	-1.86	0.0	0.05	0.0	0.0
240	29	1.30	0.0	-8.71e-04	-3.72	0.0	-8.99	1.86	0.0	-0.05	0.0	0.0
		0.0	0.0	-3.71e-03	0.0	280.0	-8.99	-1.86	0.0	-0.05	0.0	0.0
240	30	1.30	0.0	-1.39e-03	-3.72	0.0	-16.48	1.86	0.0	-0.03	0.0	0.0
		0.0	0.0	-3.06e-03	0.0	280.0	-16.48	-1.86	0.0	-0.03	0.0	0.0
240	31	1.30	0.0	1.63e-03	-3.72	0.0	16.90	1.86	0.0	0.05	0.0	0.0
		0.0	0.0	3.29e-03	0.0	280.0	16.90	-1.86	0.0	0.05	0.0	0.0
240	59	1.30	0.0	1.22e-03	-3.72	0.0	12.56	1.86	0.0	0.02	0.0	0.0
		0.0	0.0	2.39e-03	0.0	280.0	12.56	-1.86	0.0	0.02	0.0	0.0
240	60	1.30	0.0	8.40e-04	-3.72	0.0	7.10	1.86	0.0	0.03	0.0	0.0
		0.0	0.0	2.83e-03	0.0	280.0	7.10	-1.86	0.0	0.03	0.0	0.0

240	61	1.30	0.0	-5.99e-04	-3.72	0.0	-6.39	1.86	0.0	-0.04	0.0	0.0
		0.0	0.0	-2.59e-03	0.0	280.0	-6.39	-1.86	0.0	-0.04	0.0	0.0
240	62	1.30	0.0	-9.80e-04	-3.72	0.0	-11.85	1.86	0.0	-0.02	0.0	0.0
		0.0	0.0	-2.15e-03	0.0	280.0	-11.85	-1.86	0.0	-0.02	0.0	0.0
240	63	1.30	0.0	1.22e-03	-3.72	0.0	12.36	1.86	0.0	0.03	0.0	0.0
		0.0	0.0	2.40e-03	0.0	280.0	12.36	-1.86	0.0	0.03	0.0	0.0
240	91	1.30	0.0	1.09e-03	-3.72	0.0	11.14	1.86	0.0	0.02	0.0	0.0
		0.0	0.0	2.12e-03	0.0	280.0	11.14	-1.86	0.0	0.02	0.0	0.0
240	92	1.30	0.0	7.56e-04	-3.72	0.0	6.31	1.86	0.0	0.03	0.0	0.0
		0.0	0.0	2.50e-03	0.0	280.0	6.31	-1.86	0.0	0.03	0.0	0.0
240	93	1.30	0.0	-5.15e-04	-3.72	0.0	-5.60	1.86	0.0	-0.03	0.0	0.0
		0.0	0.0	-2.26e-03	0.0	280.0	-5.60	-1.86	0.0	-0.03	0.0	0.0
240	94	1.30	0.0	-8.53e-04	-3.72	0.0	-10.43	1.86	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.88e-03	0.0	280.0	-10.43	-1.86	0.0	-0.02	0.0	0.0
240	95	1.30	0.0	1.09e-03	-3.72	0.0	10.96	1.86	0.0	0.03	0.0	0.0
		0.0	0.0	2.13e-03	0.0	280.0	10.96	-1.86	0.0	0.03	0.0	0.0
240	123	1.30	0.0	1.95e-03	-3.72	0.0	20.71	1.86	0.0	0.03	0.0	0.0
		0.0	0.0	3.98e-03	0.0	280.0	20.71	-1.86	0.0	0.03	0.0	0.0
240	124	1.30	0.0	1.32e-03	-3.72	0.0	11.66	1.86	0.0	0.06	0.0	0.0
		0.0	0.0	4.77e-03	0.0	280.0	11.66	-1.86	0.0	0.06	0.0	0.0
240	125	1.30	0.0	-1.08e-03	-3.72	0.0	-10.95	1.86	0.0	-0.06	0.0	0.0
		0.0	0.0	-4.53e-03	0.0	280.0	-10.95	-1.86	0.0	-0.06	0.0	0.0
240	126	1.30	0.0	-1.71e-03	-3.72	0.0	-20.00	1.86	0.0	-0.04	0.0	0.0
		0.0	0.0	-3.74e-03	0.0	280.0	-20.00	-1.86	0.0	-0.04	0.0	0.0
240	127	1.30	0.0	1.95e-03	-3.72	0.0	20.37	1.86	0.0	0.06	0.0	0.0
		0.0	0.0	3.97e-03	0.0	280.0	20.37	-1.86	0.0	0.06	0.0	0.0
241	1	3.53	0.0	2.40e-04	-10.08	0.0	-0.15	5.04	0.0	-4.32e-03	0.0	0.0
		0.0	0.0	-1.33e-04	0.0	280.0	-0.15	-5.04	0.0	-4.32e-03	0.0	0.0
241	2	3.53	0.0	2.48e-04	-10.08	0.0	-0.55	5.04	0.0	-0.02	0.0	0.0
		0.0	0.0	6.88e-05	0.0	280.0	-0.55	-5.04	0.0	-0.02	0.0	0.0
241	3	2.71	0.0	1.65e-04	-7.75	0.0	-0.11	3.88	0.0	-3.35e-03	0.0	0.0
		0.0	0.0	-1.48e-04	0.0	280.0	-0.11	-3.88	0.0	-3.35e-03	0.0	0.0
241	5	3.53	0.0	2.38e-04	-10.08	0.0	-0.15	5.04	0.0	-4.33e-03	0.0	0.0
		0.0	0.0	-2.87e-04	0.0	280.0	-0.15	-5.04	0.0	-4.33e-03	0.0	0.0
241	9	2.71	0.0	1.76e-04	-7.75	0.0	-0.11	3.88	0.0	-3.34e-03	0.0	0.0
		0.0	0.0	-7.50e-05	0.0	280.0	-0.11	-3.88	0.0	-3.34e-03	0.0	0.0
241	10	2.71	0.0	1.82e-04	-7.75	0.0	-0.38	3.88	0.0	-0.01	0.0	0.0
		0.0	0.0	5.93e-05	0.0	280.0	-0.38	-3.88	0.0	-0.01	0.0	0.0
241	11	2.71	0.0	1.75e-04	-7.75	0.0	-0.11	3.88	0.0	-3.34e-03	0.0	0.0
		0.0	0.0	-1.78e-04	0.0	280.0	-0.11	-3.88	0.0	-3.34e-03	0.0	0.0
241	13	2.71	0.0	1.77e-04	-7.75	0.0	-0.10	3.88	0.0	-3.33e-03	0.0	0.0
		0.0	0.0	7.93e-05	0.0	280.0	-0.10	-3.88	0.0	-3.33e-03	0.0	0.0
241	14	2.71	0.0	1.80e-04	-7.75	0.0	-0.24	3.88	0.0	-7.02e-03	0.0	0.0
		0.0	0.0	1.46e-04	0.0	280.0	-0.24	-3.88	0.0	-7.02e-03	0.0	0.0
241	15	2.71	0.0	1.77e-04	-7.75	0.0	-0.11	3.88	0.0	-3.33e-03	0.0	0.0
		0.0	0.0	2.78e-05	0.0	280.0	-0.11	-3.88	0.0	-3.33e-03	0.0	0.0
241	17	2.71	0.0	1.77e-04	-7.75	0.0	-0.10	3.88	0.0	-3.33e-03	0.0	0.0
		0.0	0.0	7.93e-05	0.0	280.0	-0.10	-3.88	0.0	-3.33e-03	0.0	0.0
241	18	2.71	0.0	1.79e-04	-7.75	0.0	-0.19	3.88	0.0	-5.54e-03	0.0	0.0
		0.0	0.0	1.20e-04	0.0	280.0	-0.19	-3.88	0.0	-5.54e-03	0.0	0.0
241	19	2.71	0.0	2.66e-04	-7.75	0.0	-2.75	3.88	0.0	-0.02	0.0	0.0
		0.0	0.0	1.58e-03	0.0	280.0	-2.75	-3.88	0.0	-0.02	0.0	0.0
241	36	2.71	0.0	-1.26e-04	-7.75	0.0	-6.14	3.88	0.0	-3.68e-03	0.0	0.0
		0.0	0.0	1.72e-03	0.0	280.0	-6.14	-3.88	0.0	-3.68e-03	0.0	0.0
241	37	2.71	0.0	2.34e-04	-7.75	0.0	5.77	3.88	0.0	-7.41e-03	0.0	0.0
		0.0	0.0	-1.48e-03	0.0	280.0	5.77	-3.88	0.0	-7.41e-03	0.0	0.0
241	39	2.71	0.0	2.69e-04	-7.75	0.0	3.65	3.88	0.0	-0.02	0.0	0.0
		0.0	0.0	1.02e-04	0.0	280.0	3.65	-3.88	0.0	-0.02	0.0	0.0
241	42	2.71	0.0	-1.42e-04	-7.75	0.0	-4.03	3.88	0.0	5.24e-03	0.0	0.0
		0.0	0.0	1.37e-04	0.0	280.0	-4.03	-3.88	0.0	5.24e-03	0.0	0.0
241	48	2.71	0.0	-1.27e-04	-7.75	0.0	-4.74	3.88	0.0	-6.73e-03	0.0	0.0
		0.0	0.0	2.27e-03	0.0	280.0	-4.74	-3.88	0.0	-6.73e-03	0.0	0.0
241	51	2.71	0.0	2.42e-04	-7.75	0.0	-2.05	3.88	0.0	-0.02	0.0	0.0
		0.0	0.0	1.13e-03	0.0	280.0	-2.05	-3.88	0.0	-0.02	0.0	0.0
241	68	2.71	0.0	1.39e-04	-7.75	0.0	-4.62	3.88	0.0	-4.09e-03	0.0	0.0
		0.0	0.0	1.20e-03	0.0	280.0	-4.62	-3.88	0.0	-4.09e-03	0.0	0.0
241	69	2.71	0.0	2.19e-04	-7.75	0.0	4.24	3.88	0.0	-6.99e-03	0.0	0.0
		0.0	0.0	-9.59e-04	0.0	280.0	4.24	-3.88	0.0	-6.99e-03	0.0	0.0
241	71	2.71	0.0	2.45e-04	-7.75	0.0	2.68	3.88	0.0	-0.01	0.0	0.0
		0.0	0.0	1.51e-04	0.0	280.0	2.68	-3.88	0.0	-0.01	0.0	0.0
241	74	2.71	0.0	-1.31e-04	-7.75	0.0	-3.05	3.88	0.0	2.87e-03	0.0	0.0
		0.0	0.0	8.84e-05	0.0	280.0	-3.05	-3.88	0.0	2.87e-03	0.0	0.0
241	80	2.71	0.0	1.37e-04	-7.75	0.0	-3.61	3.88	0.0	-6.51e-03	0.0	0.0
		0.0	0.0	1.55e-03	0.0	280.0	-3.61	-3.88	0.0	-6.51e-03	0.0	0.0
241	83	2.71	0.0	2.35e-04	-7.75	0.0	-1.83	3.88	0.0	-0.02	0.0	0.0

		0.0	0.0	1.01e-03	0.0	280.0	-1.83	-3.88	0.0	-0.02	0.0	0.0
241	100	2.71	0.0	1.44e-04	-7.75	0.0	-4.11	3.88	0.0	-4.25e-03	0.0	0.0
		0.0	0.0	1.06e-03	0.0	280.0	-4.11	-3.88	0.0	-4.25e-03	0.0	0.0
241	101	2.71	0.0	2.15e-04	-7.75	0.0	3.74	3.88	0.0	-6.84e-03	0.0	0.0
		0.0	0.0	-8.23e-04	0.0	280.0	3.74	-3.88	0.0	-6.84e-03	0.0	0.0
241	103	2.71	0.0	2.37e-04	-7.75	0.0	2.35	3.88	0.0	-0.01	0.0	0.0
		0.0	0.0	1.53e-04	0.0	280.0	2.35	-3.88	0.0	-0.01	0.0	0.0
241	106	2.71	0.0	-1.28e-04	-7.75	0.0	-2.72	3.88	0.0	1.96e-03	0.0	0.0
		0.0	0.0	8.61e-05	0.0	280.0	-2.72	-3.88	0.0	1.96e-03	0.0	0.0
241	112	2.71	0.0	1.42e-04	-7.75	0.0	-3.23	3.88	0.0	-6.41e-03	0.0	0.0
		0.0	0.0	1.37e-03	0.0	280.0	-3.23	-3.88	0.0	-6.41e-03	0.0	0.0
241	115	2.71	0.0	2.84e-04	-7.75	0.0	-3.27	3.88	0.0	-0.02	0.0	0.0
		0.0	0.0	1.89e-03	0.0	280.0	-3.27	-3.88	0.0	-0.02	0.0	0.0
241	132	2.71	0.0	-1.31e-04	-7.75	0.0	-7.36	3.88	0.0	-3.34e-03	0.0	0.0
		0.0	0.0	2.05e-03	0.0	280.0	-7.36	-3.88	0.0	-3.34e-03	0.0	0.0
241	133	2.71	0.0	2.45e-04	-7.75	0.0	6.99	3.88	0.0	-7.75e-03	0.0	0.0
		0.0	0.0	-1.81e-03	0.0	280.0	6.99	-3.88	0.0	-7.75e-03	0.0	0.0
241	135	2.71	0.0	2.87e-04	-7.75	0.0	4.45	3.88	0.0	-0.02	0.0	0.0
		0.0	0.0	1.01e-04	0.0	280.0	4.45	-3.88	0.0	-0.02	0.0	0.0
241	138	2.71	0.0	-1.50e-04	-7.75	0.0	-4.82	3.88	0.0	7.07e-03	0.0	0.0
		0.0	0.0	1.38e-04	0.0	280.0	-4.82	-3.88	0.0	7.07e-03	0.0	0.0
241	144	2.71	0.0	-1.33e-04	-7.75	0.0	-5.67	3.88	0.0	-6.87e-03	0.0	0.0
		0.0	0.0	2.72e-03	0.0	280.0	-5.67	-3.88	0.0	-6.87e-03	0.0	0.0
242	2	5.08	3.96e-04	3.65e-03	-2.83	0.0	0.57	-7.05	-6.59e-04	-5.00e-03	3.96e-04	5.08
		0.0	0.0	6.88e-04	0.0	60.0	0.57	-9.88	-6.59e-04	-5.00e-03	0.0	0.0
242	3	0.89	9.82e-05	6.54e-04	-0.51	0.0	0.23	-1.22	-1.64e-04	-4.38e-04	9.82e-05	0.89
		0.0	0.0	1.31e-04	0.0	60.0	0.23	-1.74	-1.64e-04	-4.38e-04	0.0	0.0
242	9	0.89	1.20e-04	6.53e-04	-0.51	0.0	0.22	-1.23	-2.00e-04	-2.41e-04	1.20e-04	0.89
		0.0	0.0	1.51e-04	0.0	60.0	0.22	-1.74	-2.00e-04	-2.41e-04	0.0	0.0
242	10	3.51	2.75e-04	2.52e-03	-1.95	0.0	0.38	-4.88	-4.58e-04	-3.47e-03	2.75e-04	3.51
		0.0	0.0	4.77e-04	0.0	60.0	0.38	-6.83	-4.58e-04	-3.47e-03	0.0	0.0
242	13	0.91	1.40e-04	6.58e-04	-0.51	0.0	0.16	-1.26	-2.33e-04	-1.88e-04	1.40e-04	0.91
		0.0	0.0	1.75e-04	0.0	60.0	0.16	-1.77	-2.33e-04	-1.88e-04	0.0	0.0
242	14	2.22	2.17e-04	1.59e-03	-1.23	0.0	0.24	-3.08	-3.62e-04	-1.80e-03	2.17e-04	2.22
		0.0	0.0	3.38e-04	0.0	60.0	0.24	-4.32	-3.62e-04	-1.80e-03	0.0	0.0
242	17	0.91	1.40e-04	6.58e-04	-0.51	0.0	0.16	-1.26	-2.33e-04	-1.88e-04	1.40e-04	0.91
		0.0	0.0	1.75e-04	0.0	60.0	0.16	-1.77	-2.33e-04	-1.88e-04	0.0	0.0
242	18	1.69	1.86e-04	1.22e-03	-0.95	0.0	0.21	-2.35	-3.11e-04	-1.16e-03	1.86e-04	1.69
		0.0	0.0	2.73e-04	0.0	60.0	0.21	-3.30	-3.11e-04	-1.16e-03	0.0	0.0
242	28	5.07	0.0	2.17e-03	-0.95	0.0	-11.98	-7.97	0.16	0.08	-0.10	5.07
		0.0	-0.10	-9.00e-03	0.0	60.0	-11.98	-8.92	0.16	0.08	0.0	0.0
242	29	0.0	0.10	2.66e-04	-0.95	0.0	12.40	3.27	-0.17	-0.08	0.10	-1.68
		-1.68	0.0	9.55e-03	0.0	60.0	12.40	2.32	-0.17	-0.08	0.0	0.0
242	43	0.33	0.59	8.34e-04	-0.95	0.0	5.08	-0.08	-0.98	-0.18	0.59	0.33
		0.0	0.0	0.03	0.0	60.0	5.08	-1.02	-0.98	-0.18	0.0	0.0
242	46	3.06	0.0	1.61e-03	-0.95	0.0	-4.66	-4.62	0.98	0.17	-0.59	3.06
		0.0	-0.59	-0.03	0.0	60.0	-4.66	-5.57	0.98	0.17	0.0	0.0
242	60	4.18	0.0	1.92e-03	-0.95	0.0	-8.74	-6.49	0.09	0.05	-0.05	4.18
		0.0	-0.05	-5.21e-03	0.0	60.0	-8.74	-7.44	0.09	0.05	0.0	0.0
242	61	0.0	0.05	5.18e-04	-0.95	0.0	9.16	1.79	-0.09	-0.06	0.05	-0.79
		-0.79	0.0	5.75e-03	0.0	60.0	9.16	0.84	-0.09	-0.06	0.0	0.0
242	67	0.61	0.36	9.13e-04	-0.95	0.0	4.06	-0.54	-0.61	-0.11	0.36	0.61
		0.0	0.0	0.02	0.0	60.0	4.06	-1.49	-0.61	-0.11	0.0	0.0
242	70	2.78	0.0	1.53e-03	-0.95	0.0	-3.64	-4.16	0.61	0.11	-0.36	2.78
		0.0	-0.36	-0.02	0.0	60.0	-3.64	-5.10	0.61	0.11	0.0	0.0
242	92	3.89	0.0	1.84e-03	-0.95	0.0	-7.71	-6.02	0.08	0.05	-0.05	3.89
		0.0	-0.05	-4.47e-03	0.0	60.0	-7.71	-6.96	0.08	0.05	0.0	0.0
242	93	0.0	0.05	5.98e-04	-0.95	0.0	8.13	1.31	-0.08	-0.05	0.05	-0.50
		-0.50	0.0	5.02e-03	0.0	60.0	8.13	0.37	-0.08	-0.05	0.0	0.0
242	99	0.73	0.32	9.48e-04	-0.95	0.0	3.62	-0.75	-0.53	-0.09	0.32	0.73
		0.0	0.0	0.02	0.0	60.0	3.62	-1.70	-0.53	-0.09	0.0	0.0
242	102	2.66	0.0	1.49e-03	-0.95	0.0	-3.20	-3.95	0.53	0.09	-0.32	2.66
		0.0	-0.32	-0.02	0.0	60.0	-3.20	-4.90	0.53	0.09	0.0	0.0
242	124	5.77	0.0	2.37e-03	-0.95	0.0	-14.54	-9.15	0.22	0.10	-0.13	5.77
		0.0	-0.13	-0.01	0.0	60.0	-14.54	-10.09	0.22	0.10	0.0	0.0
242	125	0.0	0.13	6.66e-05	-0.95	0.0	14.96	4.44	-0.22	-0.11	0.13	-2.38
		-2.38	0.0	0.01	0.0	60.0	14.96	3.50	-0.22	-0.11	0.0	0.0
242	139	0.09	0.75	7.52e-04	-0.95	0.0	6.11	0.40	-1.25	-0.23	0.75	0.04
		0.0	0.0	0.04	0.0	60.0	6.11	-0.54	-1.25	-0.23	0.0	0.0
242	142	3.35	0.0	1.69e-03	-0.95	0.0	-5.69	-5.10	1.25	0.22	-0.75	3.35
		0.0	-0.75	-0.04	0.0	60.0	-5.69	-6.05	1.25	0.22	0.0	0.0
243	2	0.21	0.0	6.09e-03	-2.83	0.0	18.48	1.41	9.47e-04	-2.15e-03	-5.68e-04	0.0
		0.0	-5.68e-04	-1.00e-04	0.0	60.0	18.48	-1.41	9.47e-04	-2.15e-03	0.0	0.0
243	3	0.04	0.0	9.67e-04	-0.51	0.0	3.37	0.26	1.96e-04	-3.58e-04	-1.18e-04	0.0
		0.0	-1.18e-04	-4.11e-05	0.0	60.0	3.37	-0.26	1.96e-04	-3.58e-04	0.0	0.0

243	4	0.20	0.0	5.90e-03	-2.67	0.0	17.47	1.34	9.05e-04	-2.10e-03	-5.43e-04	0.0
		0.0	-5.43e-04	-1.00e-04	0.0	60.0	17.47	-1.34	9.05e-04	-2.10e-03	0.0	0.0
243	5	0.05	0.0	1.14e-03	-0.67	0.0	4.38	0.33	2.69e-04	-4.51e-04	-1.62e-04	0.0
		0.0	-1.62e-04	-6.49e-05	0.0	60.0	4.38	-0.33	2.69e-04	-4.51e-04	0.0	0.0
243	9	0.04	0.0	9.28e-04	-0.51	0.0	3.37	0.26	1.80e-04	-3.17e-04	-1.08e-04	0.0
		0.0	-1.08e-04	-2.83e-05	0.0	60.0	3.37	-0.26	1.80e-04	-3.17e-04	0.0	0.0
243	10	0.15	0.0	4.22e-03	-1.95	0.0	12.77	0.98	6.52e-04	-1.48e-03	-3.91e-04	0.0
		0.0	-3.91e-04	-6.78e-05	0.0	60.0	12.77	-0.98	6.52e-04	-1.48e-03	0.0	0.0
243	11	0.04	0.0	9.18e-04	-0.51	0.0	3.37	0.26	2.00e-04	-3.49e-04	-1.20e-04	0.0
		0.0	-1.20e-04	-4.43e-05	0.0	60.0	3.37	-0.26	2.00e-04	-3.49e-04	0.0	0.0
243	13	0.04	0.0	9.43e-04	-0.51	0.0	3.37	0.26	1.49e-04	-2.70e-04	-8.96e-05	0.0
		0.0	-8.96e-05	-4.36e-06	0.0	60.0	3.37	-0.26	1.49e-04	-2.70e-04	0.0	0.0
243	14	0.09	0.0	2.59e-03	-1.23	0.0	8.07	0.62	3.85e-04	-8.51e-04	-2.31e-04	0.0
		0.0	-2.31e-04	-2.41e-05	0.0	60.0	8.07	-0.62	3.85e-04	-8.51e-04	0.0	0.0
243	15	0.04	0.0	9.38e-04	-0.51	0.0	3.37	0.26	1.59e-04	-2.86e-04	-9.57e-05	0.0
		0.0	-9.57e-05	-1.24e-05	0.0	60.0	3.37	-0.26	1.59e-04	-2.86e-04	0.0	0.0
243	17	0.04	0.0	9.43e-04	-0.51	0.0	3.37	0.26	1.49e-04	-2.70e-04	-8.96e-05	0.0
		0.0	-8.96e-05	-4.36e-06	0.0	60.0	3.37	-0.26	1.49e-04	-2.70e-04	0.0	0.0
243	18	0.07	0.0	1.93e-03	-0.95	0.0	6.19	0.47	2.91e-04	-6.19e-04	-1.75e-04	0.0
		0.0	-1.75e-04	-1.62e-05	0.0	60.0	6.19	-0.47	2.91e-04	-6.19e-04	0.0	0.0
243	32	0.07	0.0	0.01	-0.95	0.0	2.99	0.47	0.17	0.08	-0.10	0.0
		0.0	-0.10	-9.75e-03	0.0	60.0	2.99	-0.47	0.17	0.08	0.0	0.0
243	33	0.07	0.10	-6.74e-03	-0.95	0.0	9.38	0.47	-0.17	-0.08	0.10	0.0
		0.0	0.0	9.72e-03	0.0	60.0	9.38	-0.47	-0.17	-0.08	0.0	0.0
243	35	0.07	0.58	-1.77e-03	-0.95	0.0	5.83	0.47	-0.97	-0.17	0.58	0.0
		0.0	0.0	0.03	0.0	60.0	5.83	-0.47	-0.97	-0.17	0.0	0.0
243	42	0.07	0.0	5.18e-03	-0.95	0.0	6.62	0.47	0.96	0.17	-0.58	0.0
		0.0	-0.58	-0.03	0.0	60.0	6.62	-0.47	0.96	0.17	0.0	0.0
243	43	0.07	0.59	-1.89e-03	-0.95	0.0	5.90	0.47	-0.98	-0.18	0.59	0.0
		0.0	0.0	0.03	0.0	60.0	5.90	-0.47	-0.98	-0.18	0.0	0.0
243	46	0.07	0.0	5.75e-03	-0.95	0.0	6.47	0.47	0.98	0.18	-0.59	0.0
		0.0	-0.59	-0.03	0.0	60.0	6.47	-0.47	0.98	0.18	0.0	0.0
243	64	0.07	0.0	8.31e-03	-0.95	0.0	3.30	0.47	0.09	0.05	-0.05	0.0
		0.0	-0.05	-5.58e-03	0.0	60.0	3.30	-0.47	0.09	0.05	0.0	0.0
243	65	0.07	0.05	-4.45e-03	-0.95	0.0	9.07	0.47	-0.09	-0.05	0.05	0.0
		0.0	0.0	5.55e-03	0.0	60.0	9.07	-0.47	-0.09	-0.05	0.0	0.0
243	67	0.07	0.36	-8.42e-04	-0.95	0.0	5.84	0.47	-0.61	-0.11	0.36	0.0
		0.0	0.0	0.02	0.0	60.0	5.84	-0.47	-0.61	-0.11	0.0	0.0
243	70	0.07	0.0	4.70e-03	-0.95	0.0	6.53	0.47	0.61	0.11	-0.36	0.0
		0.0	-0.36	-0.02	0.0	60.0	6.53	-0.47	0.61	0.11	0.0	0.0
243	74	0.07	0.0	4.37e-03	-0.95	0.0	6.62	0.47	0.60	0.11	-0.36	0.0
		0.0	-0.36	-0.02	0.0	60.0	6.62	-0.47	0.60	0.11	0.0	0.0
243	96	0.07	0.0	7.58e-03	-0.95	0.0	3.59	0.47	0.07	0.05	-0.04	0.0
		0.0	-0.04	-4.81e-03	0.0	60.0	3.59	-0.47	0.07	0.05	0.0	0.0
243	97	0.07	0.04	-3.72e-03	-0.95	0.0	8.78	0.47	-0.07	-0.05	0.04	0.0
		0.0	0.0	4.78e-03	0.0	60.0	8.78	-0.47	-0.07	-0.05	0.0	0.0
243	99	0.07	0.32	-5.29e-04	-0.95	0.0	5.87	0.47	-0.53	-0.09	0.32	0.0
		0.0	0.0	0.02	0.0	60.0	5.87	-0.47	-0.53	-0.09	0.0	0.0
243	102	0.07	0.0	4.39e-03	-0.95	0.0	6.50	0.47	0.53	0.09	-0.32	0.0
		0.0	-0.32	-0.02	0.0	60.0	6.50	-0.47	0.53	0.09	0.0	0.0
243	106	0.07	0.0	4.09e-03	-0.95	0.0	6.58	0.47	0.53	0.09	-0.32	0.0
		0.0	-0.32	-0.02	0.0	60.0	6.58	-0.47	0.53	0.09	0.0	0.0
243	128	0.07	0.0	0.01	-0.95	0.0	2.59	0.47	0.22	0.10	-0.13	0.0
		0.0	-0.13	-0.01	0.0	60.0	2.59	-0.47	0.22	0.10	0.0	0.0
243	129	0.07	0.13	-8.55e-03	-0.95	0.0	9.78	0.47	-0.22	-0.11	0.13	0.0
		0.0	0.0	0.01	0.0	60.0	9.78	-0.47	-0.22	-0.11	0.0	0.0
243	131	0.07	0.74	-2.55e-03	-0.95	0.0	5.80	0.47	-1.23	-0.22	0.74	0.0
		0.0	0.0	0.04	0.0	60.0	5.80	-0.47	-1.23	-0.22	0.0	0.0
243	138	0.07	0.0	5.85e-03	-0.95	0.0	6.65	0.47	1.23	0.22	-0.74	0.0
		0.0	-0.74	-0.04	0.0	60.0	6.65	-0.47	1.23	0.22	0.0	0.0
243	139	0.07	0.75	-2.69e-03	-0.95	0.0	5.88	0.47	-1.25	-0.23	0.75	0.0
		0.0	0.0	0.04	0.0	60.0	5.88	-0.47	-1.25	-0.23	0.0	0.0
243	142	0.07	0.0	6.55e-03	-0.95	0.0	6.49	0.47	1.25	0.22	-0.75	0.0
		0.0	-0.75	-0.04	0.0	60.0	6.49	-0.47	1.25	0.22	0.0	0.0
250	1	0.22	0.17	-1.11e-04	-1.27	0.0	0.45	0.62	-0.30	2.27e-03	0.17	-0.03
		-0.04	-0.31	2.81e-04	0.0	160.0	0.45	-0.64	-0.30	2.27e-03	-0.31	-0.04
250	3	0.16	0.15	-6.50e-05	-0.97	0.0	0.40	0.47	-0.29	2.00e-03	0.15	-0.02
		-0.05	-0.30	2.48e-04	0.0	160.0	0.40	-0.50	-0.29	2.00e-03	-0.30	-0.05
250	4	0.15	0.26	-6.24e-05	-0.97	0.0	0.71	0.44	-0.59	4.40e-03	0.26	-8.98e-03
		-0.09	-0.68	6.01e-04	0.0	160.0	0.71	-0.54	-0.59	4.40e-03	-0.68	-0.09
250	6	0.20	0.31	-1.09e-04	-1.27	0.0	0.82	0.59	-0.64	4.92e-03	0.31	-0.02
		-0.09	-0.71	6.23e-04	0.0	160.0	0.82	-0.68	-0.64	4.92e-03	-0.71	-0.09
250	9	0.17	0.12	-7.68e-05	-0.97	0.0	0.32	0.48	-0.22	1.56e-03	0.12	-0.02
		-0.04	-0.22	2.01e-04	0.0	160.0	0.32	-0.50	-0.22	1.56e-03	-0.22	-0.04
250	10	0.15	0.19	-7.51e-05	-0.97	0.0	0.53	0.46	-0.42	3.17e-03	0.19	-0.02

		-0.07	-0.47	4.37e-04	0.0	160.0	0.53	-0.52	-0.42	3.17e-03	-0.47	-0.07
250	12	0.16	0.21	-7.53e-05	-0.97	0.0	0.57	0.46	-0.44	3.33e-03	0.21	-0.01
		-0.07	-0.49	4.29e-04	0.0	160.0	0.57	-0.52	-0.44	3.33e-03	-0.49	-0.07
250	13	0.17	0.06	-7.74e-05	-0.97	0.0	0.17	0.49	-0.09	6.01e-04	0.06	-0.03
		-0.03	-0.08	1.07e-04	0.0	160.0	0.17	-0.49	-0.09	6.01e-04	-0.08	-0.02
250	14	0.16	0.10	-7.65e-05	-0.97	0.0	0.27	0.48	-0.19	1.40e-03	0.10	-0.02
		-0.04	-0.20	2.25e-04	0.0	160.0	0.27	-0.50	-0.19	1.40e-03	-0.20	-0.04
250	16	0.17	0.10	-7.67e-05	-0.97	0.0	0.28	0.48	-0.19	1.40e-03	0.10	-0.02
		-0.04	-0.20	2.09e-04	0.0	160.0	0.28	-0.50	-0.19	1.40e-03	-0.20	-0.04
250	17	0.17	0.06	-7.74e-05	-0.97	0.0	0.17	0.49	-0.09	6.01e-04	0.06	-0.03
		-0.03	-0.08	1.07e-04	0.0	160.0	0.17	-0.49	-0.09	6.01e-04	-0.08	-0.02
250	18	0.17	0.08	-7.69e-05	-0.97	0.0	0.23	0.48	-0.15	1.08e-03	0.08	-0.02
		-0.03	-0.15	1.77e-04	0.0	160.0	0.23	-0.49	-0.15	1.08e-03	-0.15	-0.03
250	20	0.28	3.73	-6.15e-04	-0.97	0.0	9.26	-0.49	-7.60	0.05	3.73	0.28
		-1.28	-8.66	7.95e-03	0.0	160.0	9.26	-1.46	-7.60	0.05	-8.66	-1.28
250	21	1.21	8.36	4.61e-04	-0.97	0.0	-8.80	1.45	7.31	-0.05	-3.56	-0.33
		-0.33	-3.56	-7.59e-03	0.0	160.0	-8.80	0.47	7.31	-0.05	8.36	1.21
250	36	0.29	4.59	-6.16e-05	-0.97	0.0	10.67	-0.47	-9.50	0.06	4.59	0.29
		-1.24	-10.74	0.01	0.0	160.0	10.67	-1.44	-9.50	0.06	-10.74	-1.24
250	37	1.18	10.44	-9.22e-05	-0.97	0.0	-10.21	1.43	9.21	-0.05	-4.42	-0.33
		-0.33	-4.42	-9.66e-03	0.0	160.0	-10.21	0.45	9.21	-0.05	10.44	1.18
250	40	0.28	4.59	-4.00e-05	-0.97	0.0	10.60	-0.45	-9.55	0.06	4.59	0.28
		-1.22	-10.80	0.01	0.0	160.0	10.60	-1.42	-9.55	0.06	-10.80	-1.22
250	41	1.16	10.49	-1.14e-04	-0.97	0.0	-10.14	1.41	9.25	-0.05	-4.42	-0.33
		-0.33	-4.42	-9.80e-03	0.0	160.0	-10.14	0.44	9.25	-0.05	10.49	1.16
250	52	0.21	2.82	-4.78e-04	-0.97	0.0	7.07	-0.24	-5.79	0.04	2.82	0.21
		-0.96	-6.60	6.04e-03	0.0	160.0	7.07	-1.22	-5.79	0.04	-6.60	-0.96
250	53	0.89	6.29	3.24e-04	-0.97	0.0	-6.61	1.20	5.49	-0.03	-2.66	-0.25
		-0.25	-2.66	-5.68e-03	0.0	160.0	-6.61	0.23	5.49	-0.03	6.29	0.89
250	68	0.21	3.48	-6.51e-05	-0.97	0.0	8.14	-0.23	-7.23	0.04	3.48	0.21
		-0.94	-8.17	7.61e-03	0.0	160.0	8.14	-1.21	-7.23	0.04	-8.17	-0.94
250	69	0.87	7.87	-8.86e-05	-0.97	0.0	-7.68	1.19	6.93	-0.04	-3.31	-0.26
		-0.26	-3.31	-7.25e-03	0.0	160.0	-7.68	0.22	6.93	-0.04	7.87	0.87
250	72	0.21	3.48	-5.12e-05	-0.97	0.0	8.09	-0.22	-7.26	0.04	3.48	0.21
		-0.93	-8.21	7.72e-03	0.0	160.0	8.09	-1.19	-7.26	0.04	-8.21	-0.93
250	73	0.86	7.91	-1.03e-04	-0.97	0.0	-7.64	1.18	6.96	-0.04	-3.31	-0.25
		-0.25	-3.31	-7.36e-03	0.0	160.0	-7.64	0.21	6.96	-0.04	7.91	0.86
250	84	0.18	2.52	-4.32e-04	-0.97	0.0	6.31	-0.16	-5.16	0.03	2.52	0.18
		-0.86	-5.88	5.38e-03	0.0	160.0	6.31	-1.13	-5.16	0.03	-5.88	-0.86
250	85	0.79	5.57	2.79e-04	-0.97	0.0	-5.85	1.12	4.86	-0.03	-2.35	-0.23
		-0.23	-2.35	-5.02e-03	0.0	160.0	-5.85	0.15	4.86	-0.03	5.57	0.79
250	100	0.18	3.10	-6.64e-05	-0.97	0.0	7.26	-0.15	-6.44	0.04	3.10	0.18
		-0.84	-7.28	6.78e-03	0.0	160.0	7.26	-1.13	-6.44	0.04	-7.28	-0.84
250	101	0.77	6.97	-8.74e-05	-0.97	0.0	-6.80	1.11	6.14	-0.04	-2.93	-0.23
		-0.23	-2.93	-6.42e-03	0.0	160.0	-6.80	0.14	6.14	-0.04	6.97	0.77
250	104	0.18	3.10	-5.42e-05	-0.97	0.0	7.22	-0.14	-6.46	0.04	3.10	0.18
		-0.83	-7.31	6.87e-03	0.0	160.0	7.22	-1.12	-6.46	0.04	-7.31	-0.83
250	105	0.76	7.01	-9.95e-05	-0.97	0.0	-6.76	1.10	6.17	-0.04	-2.93	-0.23
		-0.23	-2.93	-6.52e-03	0.0	160.0	-6.76	0.13	6.17	-0.04	7.01	0.76
250	116	0.35	4.48	-7.18e-04	-0.97	0.0	11.13	-0.68	-9.16	0.06	4.48	0.35
		-1.53	-10.44	9.55e-03	0.0	160.0	11.13	-1.66	-9.16	0.06	-10.44	-1.53
250	117	1.46	10.13	5.64e-04	-0.97	0.0	-10.67	1.65	8.86	-0.05	-4.31	-0.39
		-0.39	-4.31	-9.19e-03	0.0	160.0	-10.67	0.67	8.86	-0.05	10.13	1.46
250	132	0.35	5.52	-5.59e-05	-0.97	0.0	12.84	-0.66	-11.45	0.07	5.52	0.35
		-1.49	-12.95	0.01	0.0	160.0	12.84	-1.64	-11.45	0.07	-12.95	-1.49
250	133	1.42	12.64	-9.78e-05	-0.97	0.0	-12.39	1.62	11.15	-0.06	-5.35	-0.40
		-0.40	-5.35	-0.01	0.0	160.0	-12.39	0.65	11.15	-0.06	12.64	1.42
250	136	0.34	5.52	-2.84e-05	-0.97	0.0	12.76	-0.64	-11.50	0.07	5.52	0.34
		-1.47	-13.01	0.01	0.0	160.0	12.76	-1.62	-11.50	0.07	-13.01	-1.47
250	137	1.40	12.71	-1.25e-04	-0.97	0.0	-12.30	1.60	11.20	-0.06	-5.35	-0.39
		-0.39	-5.35	-0.01	0.0	160.0	-12.30	0.63	11.20	-0.06	12.71	1.40
251	2	0.24	0.26	-1.60e-04	-1.27	0.0	7.75e-03	0.65	-0.42	1.72e-04	0.26	-0.03
		-0.03	-0.42	6.35e-04	0.0	160.0	7.75e-03	-0.61	-0.42	1.72e-04	-0.42	1.46e-03
251	4	0.19	0.24	-1.13e-04	-0.97	0.0	0.06	0.50	-0.37	-2.53e-04	0.24	-0.02
		-0.02	-0.35	6.02e-04	0.0	160.0	0.06	-0.47	-0.37	-2.53e-04	-0.35	1.15e-03
251	5	0.23	0.23	-1.24e-04	-1.27	0.0	-0.32	0.66	-0.42	5.90e-04	0.23	-0.04
		-0.04	-0.44	3.75e-04	0.0	160.0	-0.32	-0.61	-0.42	5.90e-04	-0.44	1.06e-03
251	6	0.24	0.30	-1.52e-04	-1.27	0.0	-0.15	0.66	-0.49	1.53e-04	0.30	-0.04
		-0.04	-0.49	6.24e-04	0.0	160.0	-0.15	-0.61	-0.49	1.53e-04	-0.49	1.62e-03
251	10	0.18	0.18	-1.09e-04	-0.97	0.0	4.97e-03	0.50	-0.29	1.54e-04	0.18	-0.02
		-0.02	-0.29	4.37e-04	0.0	160.0	4.97e-03	-0.47	-0.29	1.54e-04	-0.29	8.51e-04
251	11	0.18	0.16	-8.49e-05	-0.97	0.0	-0.21	0.51	-0.29	4.33e-04	0.16	-0.03
		-0.03	-0.31	2.64e-04	0.0	160.0	-0.21	-0.47	-0.29	4.33e-04	-0.31	5.84e-04
251	12	0.18	0.20	-1.04e-04	-0.97	0.0	-0.10	0.51	-0.34	1.42e-04	0.20	-0.03
		-0.03	-0.34	4.29e-04	0.0	160.0	-0.10	-0.47	-0.34	1.42e-04	-0.34	9.58e-04

251	14	0.18	0.10	-9.09e-05	-0.97	0.0	5.00e-03	0.50	-0.16	5.68e-04	0.10	-0.03
		-0.03	-0.16	2.25e-04	0.0	160.0	5.00e-03	-0.47	-0.16	5.68e-04	-0.16	1.81e-04
251	15	0.18	0.09	-7.89e-05	-0.97	0.0	-0.10	0.51	-0.16	7.07e-04	0.09	-0.03
		-0.03	-0.17	1.38e-04	0.0	160.0	-0.10	-0.47	-0.16	7.07e-04	-0.17	4.78e-05
251	16	0.18	0.10	-8.70e-05	-0.97	0.0	-0.05	0.51	-0.18	5.82e-04	0.10	-0.03
		-0.03	-0.19	2.09e-04	0.0	160.0	-0.05	-0.47	-0.18	5.82e-04	-0.19	2.08e-04
251	17	0.18	0.07	-7.74e-05	-0.97	0.0	-0.08	0.51	-0.13	7.76e-04	0.07	-0.03
		-0.03	-0.14	1.06e-04	0.0	160.0	-0.08	-0.47	-0.13	7.76e-04	-0.14	-8.61e-05
251	18	0.18	0.08	-8.55e-05	-0.97	0.0	-0.03	0.51	-0.15	6.51e-04	0.08	-0.03
		-0.03	-0.15	1.77e-04	0.0	160.0	-0.03	-0.47	-0.15	6.51e-04	-0.15	7.43e-05
251	19	0.30	1.51	-6.73e-04	-0.97	0.0	8.61	0.33	-2.90	-6.26e-03	1.51	0.21
		-0.03	-3.19	3.01e-03	0.0	160.0	8.61	-0.64	-2.90	-6.26e-03	-3.19	-0.03
251	22	0.10	2.88	5.02e-04	-0.97	0.0	-8.67	0.68	2.60	7.56e-03	-1.34	-0.27
		-0.27	-1.34	-2.65e-03	0.0	160.0	-8.67	-0.30	2.60	7.56e-03	2.88	0.03
251	36	0.15	4.45	-5.06e-04	-0.97	0.0	-3.57	0.56	-7.68	-0.02	4.45	-0.11
		-0.11	-7.88	0.01	0.0	160.0	-3.57	-0.41	-7.68	-0.02	-7.88	9.88e-03
251	37	0.22	7.58	3.35e-04	-0.97	0.0	3.51	0.45	7.38	0.02	-4.28	0.05
		-9.73e-03	-4.28	-9.68e-03	0.0	160.0	3.51	-0.53	7.38	0.02	7.58	-9.73e-03
251	51	0.27	1.14	-5.23e-04	-0.97	0.0	6.26	0.38	-2.18	-4.49e-03	1.14	0.15
		-0.02	-2.38	2.30e-03	0.0	160.0	6.26	-0.59	-2.18	-4.49e-03	-2.38	-0.02
251	54	0.12	2.07	3.52e-04	-0.97	0.0	-6.32	0.63	1.88	5.79e-03	-0.97	-0.21
		-0.21	-0.97	-1.94e-03	0.0	160.0	-6.32	-0.34	1.88	5.79e-03	2.07	0.02
251	68	0.16	3.37	-4.07e-04	-0.97	0.0	-2.62	0.55	-5.79	-0.02	3.37	-0.09
		-0.09	-5.93	7.62e-03	0.0	160.0	-2.62	-0.43	-5.79	-0.02	-5.93	7.23e-03
251	69	0.21	5.62	2.36e-04	-0.97	0.0	2.56	0.46	5.49	0.02	-3.20	0.03
		-7.08e-03	-3.20	-7.27e-03	0.0	160.0	2.56	-0.51	5.49	0.02	5.62	-7.08e-03
251	83	0.26	1.02	-4.74e-04	-0.97	0.0	5.53	0.40	-1.94	-3.91e-03	1.02	0.13
		-0.02	-2.12	2.06e-03	0.0	160.0	5.53	-0.58	-1.94	-3.91e-03	-2.12	-0.02
251	86	0.13	1.82	3.03e-04	-0.97	0.0	-5.58	0.62	1.65	5.21e-03	-0.85	-0.19
		-0.19	-0.85	-1.71e-03	0.0	160.0	-5.58	-0.36	1.65	5.21e-03	1.82	0.02
251	100	0.16	3.00	-3.71e-04	-0.97	0.0	-2.32	0.54	-5.15	-0.01	3.00	-0.08
		-0.08	-5.28	6.79e-03	0.0	160.0	-2.32	-0.43	-5.15	-0.01	-5.28	6.40e-03
251	101	0.20	4.97	2.00e-04	-0.97	0.0	2.26	0.47	4.86	0.01	-2.83	0.02
		-6.25e-03	-2.83	-6.43e-03	0.0	160.0	2.26	-0.51	4.86	0.01	4.97	-6.25e-03
251	115	0.34	1.79	-7.91e-04	-0.97	0.0	10.34	0.30	-3.45	-7.62e-03	1.79	0.26
		-0.04	-3.80	3.58e-03	0.0	160.0	10.34	-0.67	-3.45	-7.62e-03	-3.80	-0.04
251	118	0.09	3.49	6.20e-04	-0.97	0.0	-10.39	0.71	3.16	8.92e-03	-1.63	-0.32
		-0.32	-1.63	-3.23e-03	0.0	160.0	-10.39	-0.26	3.16	8.92e-03	3.49	0.04
251	132	0.14	5.35	-5.93e-04	-0.97	0.0	-4.29	0.57	-9.23	-0.02	5.35	-0.13
		-0.13	-9.47	0.01	0.0	160.0	-4.29	-0.40	-9.23	-0.02	-9.47	0.01
251	133	0.22	9.16	4.22e-04	-0.97	0.0	4.23	0.44	8.93	0.03	-5.18	0.07
		-0.01	-5.18	-0.01	0.0	160.0	4.23	-0.54	8.93	0.03	9.16	-0.01
252	1	0.22	0.17	3.18e-05	-1.27	0.0	-0.02	0.65	0.22	9.84e-05	-0.17	-0.05
		-0.05	-0.17	4.87e-05	0.0	160.0	-0.02	-0.62	0.22	9.84e-05	0.17	-0.02
252	4	0.17	0.24	5.93e-05	-0.97	0.0	0.10	0.51	0.31	9.43e-04	-0.26	-0.05
		-0.05	-0.26	2.75e-04	0.0	160.0	0.10	-0.46	0.31	9.43e-04	0.24	-9.40e-03
252	6	0.22	0.29	6.16e-05	-1.27	0.0	0.06	0.66	0.38	7.65e-04	-0.31	-0.06
		-0.06	-0.31	2.25e-04	0.0	160.0	0.06	-0.61	0.38	7.65e-04	0.29	-0.01
252	9	0.17	0.12	2.37e-05	-0.97	0.0	-8.43e-03	0.50	0.15	6.29e-05	-0.12	-0.03
		-0.03	-0.12	3.65e-05	0.0	160.0	-8.43e-03	-0.48	0.15	6.29e-05	0.12	-0.02
252	10	0.17	0.18	4.44e-05	-0.97	0.0	0.05	0.50	0.23	6.26e-04	-0.19	-0.04
		-0.04	-0.19	1.89e-04	0.0	160.0	0.05	-0.47	0.23	6.26e-04	0.18	-0.01
252	12	0.17	0.20	4.35e-05	-0.97	0.0	0.04	0.51	0.26	5.07e-04	-0.21	-0.04
		-0.04	-0.21	1.54e-04	0.0	160.0	0.04	-0.47	0.26	5.07e-04	0.20	-0.01
252	13	0.17	0.07	1.57e-05	-0.97	0.0	-0.02	0.49	0.08	-1.21e-05	-0.06	-0.03
		-0.03	-0.06	2.07e-05	0.0	160.0	-0.02	-0.48	0.08	-1.21e-05	0.07	-0.02
252	14	0.17	0.09	2.61e-05	-0.97	0.0	8.84e-03	0.50	0.12	2.69e-04	-0.10	-0.03
		-0.03	-0.10	9.71e-05	0.0	160.0	8.84e-03	-0.48	0.12	2.69e-04	0.09	-0.02
252	16	0.17	0.10	2.46e-05	-0.97	0.0	1.06e-03	0.50	0.13	1.82e-04	-0.10	-0.03
		-0.03	-0.10	7.18e-05	0.0	160.0	1.06e-03	-0.48	0.13	1.82e-04	0.10	-0.02
252	17	0.17	0.07	1.57e-05	-0.97	0.0	-0.02	0.49	0.08	-1.21e-05	-0.06	-0.03
		-0.03	-0.06	2.07e-05	0.0	160.0	-0.02	-0.48	0.08	-1.21e-05	0.07	-0.02
252	18	0.17	0.08	2.19e-05	-0.97	0.0	-3.27e-03	0.49	0.10	1.57e-04	-0.08	-0.03
		-0.03	-0.08	6.65e-05	0.0	160.0	-3.27e-03	-0.48	0.10	1.57e-04	0.08	-0.02
252	20	0.25	3.66	2.58e-04	-0.97	0.0	1.71	0.82	4.61	0.01	-3.72	-0.32
		-0.32	-3.72	1.86e-03	0.0	160.0	1.71	-0.15	4.61	0.01	3.66	0.23
252	21	0.28	3.55	-2.14e-04	-0.97	0.0	-1.72	0.17	-4.40	-0.01	3.55	0.26
		-0.27	-3.50	-1.73e-03	0.0	160.0	-1.72	-0.81	-4.40	-0.01	-3.50	-0.27
252	36	0.28	4.44	7.99e-04	-0.97	0.0	1.62	0.90	5.63	0.02	-4.57	-0.39
		-0.39	-4.57	5.33e-03	0.0	160.0	1.62	-0.07	5.63	0.02	4.44	0.28
252	40	0.28	4.42	8.16e-04	-0.97	0.0	1.60	0.90	5.62	0.02	-4.57	-0.39
		-0.39	-4.57	5.53e-03	0.0	160.0	1.60	-0.07	5.62	0.02	4.42	0.28
252	41	0.33	4.41	-7.72e-04	-0.97	0.0	-1.61	0.09	-5.41	-0.02	4.41	0.33
		-0.32	-4.26	-5.40e-03	0.0	160.0	-1.61	-0.89	-5.41	-0.02	-4.26	-0.32
252	52	0.21	2.77	2.04e-04	-0.97	0.0	1.27	0.74	3.49	9.27e-03	-2.82	-0.25

		-0.25	-2.82	1.41e-03	0.0	160.0	1.27	-0.23	3.49	9.27e-03	2.77	0.17
252	53	0.23	2.65	-1.61e-04	-0.97	0.0	-1.28	0.25	-3.28	-8.96e-03	2.65	0.19
		-0.20	-2.60	-1.28e-03	0.0	160.0	-1.28	-0.73	-3.28	-8.96e-03	-2.60	-0.20
252	68	0.23	3.36	6.08e-04	-0.97	0.0	1.21	0.80	4.26	0.01	-3.47	-0.30
		-0.30	-3.47	3.99e-03	0.0	160.0	1.21	-0.17	4.26	0.01	3.36	0.20
252	72	0.23	3.35	6.20e-04	-0.97	0.0	1.20	0.80	4.26	0.01	-3.47	-0.30
		-0.30	-3.47	4.13e-03	0.0	160.0	1.20	-0.17	4.26	0.01	3.35	0.20
252	73	0.27	3.30	-5.76e-04	-0.97	0.0	-1.20	0.19	-4.05	-0.01	3.30	0.24
		-0.24	-3.18	-4.00e-03	0.0	160.0	-1.20	-0.79	-4.05	-0.01	-3.18	-0.24
252	84	0.20	2.46	1.85e-04	-0.97	0.0	1.13	0.71	3.10	8.25e-03	-2.51	-0.22
		-0.22	-2.51	1.26e-03	0.0	160.0	1.13	-0.26	3.10	8.25e-03	2.46	0.15
252	85	0.22	2.34	-1.41e-04	-0.97	0.0	-1.13	0.27	-2.90	-7.94e-03	2.34	0.16
		-0.18	-2.30	-1.12e-03	0.0	160.0	-1.13	-0.70	-2.90	-7.94e-03	-2.30	-0.18
252	100	0.21	2.99	5.43e-04	-0.97	0.0	1.07	0.77	3.80	0.01	-3.09	-0.27
		-0.27	-3.09	3.55e-03	0.0	160.0	1.07	-0.21	3.80	0.01	2.99	0.18
252	104	0.21	2.98	5.53e-04	-0.97	0.0	1.06	0.77	3.79	0.01	-3.09	-0.27
		-0.27	-3.09	3.67e-03	0.0	160.0	1.06	-0.21	3.79	0.01	2.98	0.18
252	105	0.25	2.92	-5.09e-04	-0.97	0.0	-1.07	0.22	-3.59	-0.01	2.92	0.21
		-0.22	-2.82	-3.54e-03	0.0	160.0	-1.07	-0.75	-3.59	-0.01	-2.82	-0.22
252	116	0.28	4.40	3.10e-04	-0.97	0.0	2.07	0.89	5.54	0.01	-4.47	-0.38
		-0.38	-4.47	2.26e-03	0.0	160.0	2.07	-0.08	5.54	0.01	4.40	0.28
252	117	0.32	4.30	-2.66e-04	-0.97	0.0	-2.07	0.10	-5.33	-0.01	4.30	0.32
		-0.32	-4.23	-2.13e-03	0.0	160.0	-2.07	-0.88	-5.33	-0.01	-4.23	-0.32
252	132	0.34	5.33	9.60e-04	-0.97	0.0	1.96	0.99	6.77	0.02	-5.50	-0.46
		-0.46	-5.50	6.40e-03	0.0	160.0	1.96	0.01	6.77	0.02	5.33	0.34
252	133	0.40	5.34	-9.16e-04	-0.97	0.0	-1.97	2.99e-03	-6.56	-0.02	5.34	0.40
		-0.38	-5.17	-6.27e-03	0.0	160.0	-1.97	-0.97	-6.56	-0.02	-5.17	-0.38
252	136	0.34	5.32	9.82e-04	-0.97	0.0	1.93	0.99	6.75	0.02	-5.50	-0.46
		-0.46	-5.50	6.66e-03	0.0	160.0	1.93	0.01	6.75	0.02	5.32	0.34
252	137	0.40	5.33	-9.38e-04	-0.97	0.0	-1.94	3.39e-03	-6.55	-0.02	5.33	0.40
		-0.38	-5.15	-6.52e-03	0.0	160.0	-1.94	-0.97	-6.55	-0.02	-5.15	-0.38
253	1	0.21	5.45e-04	-9.19e-05	-1.27	0.0	0.92	0.63	-0.05	-2.99e-05	5.45e-04	-0.04
		-0.05	-0.08	1.09e-04	0.0	160.0	0.92	-0.64	-0.05	-2.99e-05	-0.08	-0.05
253	3	0.16	5.01e-04	-5.28e-05	-0.97	0.0	0.64	0.48	-0.06	-1.81e-05	5.01e-04	-0.03
		-0.04	-0.09	9.87e-05	0.0	160.0	0.64	-0.49	-0.06	-1.81e-05	-0.09	-0.04
253	6	0.21	1.19e-03	-8.97e-05	-1.27	0.0	0.98	0.62	-0.15	-1.19e-04	1.19e-03	-0.04
		-0.06	-0.24	2.92e-04	0.0	160.0	0.98	-0.65	-0.15	-1.19e-04	-0.24	-0.06
253	8	0.16	1.14e-03	-5.06e-05	-0.97	0.0	0.70	0.47	-0.15	-1.07e-04	1.14e-03	-0.02
		-0.05	-0.24	2.82e-04	0.0	160.0	0.70	-0.50	-0.15	-1.07e-04	-0.24	-0.05
253	9	0.16	3.40e-04	-6.31e-05	-0.97	0.0	0.67	0.48	-0.04	-1.58e-05	3.40e-04	-0.03
		-0.04	-0.06	7.59e-05	0.0	160.0	0.67	-0.49	-0.04	-1.58e-05	-0.06	-0.04
253	12	0.16	7.68e-04	-6.16e-05	-0.97	0.0	0.71	0.48	-0.10	-7.49e-05	7.68e-04	-0.03
		-0.04	-0.16	1.98e-04	0.0	160.0	0.71	-0.50	-0.10	-7.49e-05	-0.16	-0.04
253	13	0.16	-3.54e-05	-6.35e-05	-0.97	0.0	0.65	0.49	-3.17e-03	0.0	-3.54e-05	-0.04
		-0.04	-5.11e-03	2.87e-05	0.0	160.0	0.65	-0.49	-3.17e-03	0.0	-5.11e-03	-0.04
253	14	0.16	9.10e-05	-6.27e-05	-0.97	0.0	0.67	0.49	-0.03	-3.35e-05	9.10e-05	-0.03
		-0.04	-0.05	9.35e-05	0.0	160.0	0.67	-0.49	-0.03	-3.35e-05	-0.05	-0.04
253	16	0.16	1.66e-04	-6.29e-05	-0.97	0.0	0.67	0.48	-0.03	-2.53e-05	1.66e-04	-0.03
		-0.04	-0.05	8.33e-05	0.0	160.0	0.67	-0.49	-0.03	-2.53e-05	-0.05	-0.04
253	17	0.16	-3.54e-05	-6.35e-05	-0.97	0.0	0.65	0.49	-3.17e-03	0.0	-3.54e-05	-0.04
		-0.04	-5.11e-03	2.87e-05	0.0	160.0	0.65	-0.49	-3.17e-03	0.0	-5.11e-03	-0.04
253	18	0.16	4.05e-05	-6.31e-05	-0.97	0.0	0.66	0.49	-0.02	-1.97e-05	4.05e-05	-0.03
		-0.04	-0.03	6.76e-05	0.0	160.0	0.66	-0.49	-0.02	-1.97e-05	-0.03	-0.04
253	24	0.23	0.03	-5.72e-04	-0.97	0.0	2.45	0.16	-2.20	1.22e-03	0.03	0.21
		-0.32	-3.50	4.41e-03	0.0	160.0	2.45	-0.82	-2.20	1.22e-03	-3.50	-0.32
253	25	0.27	3.44	4.46e-04	-0.97	0.0	-1.12	0.82	2.16	-1.26e-03	-0.03	-0.28
		-0.28	-0.03	-4.28e-03	0.0	160.0	-1.12	-0.16	2.16	-1.26e-03	3.44	0.25
253	40	0.20	0.04	-2.48e-05	-0.97	0.0	2.15	0.22	-2.81	-2.48e-03	0.04	0.16
		-0.26	-4.46	5.97e-03	0.0	160.0	2.15	-0.75	-2.81	-2.48e-03	-4.46	-0.26
253	41	0.23	4.39	-1.01e-04	-0.97	0.0	-0.83	0.75	2.77	2.44e-03	-0.04	-0.23
		-0.23	-0.04	-5.83e-03	0.0	160.0	-0.83	-0.23	2.77	2.44e-03	4.39	0.19
253	56	0.20	0.02	-4.43e-04	-0.97	0.0	2.02	0.24	-1.68	8.80e-04	0.02	0.15
		-0.25	-2.66	3.34e-03	0.0	160.0	2.02	-0.74	-1.68	8.80e-04	-2.66	-0.25
253	57	0.23	2.60	3.17e-04	-0.97	0.0	-0.69	0.74	1.63	-9.20e-04	-0.02	-0.22
		-0.22	-0.02	-3.21e-03	0.0	160.0	-0.69	-0.24	1.63	-9.20e-04	2.60	0.18
253	72	0.18	0.03	-3.62e-05	-0.97	0.0	1.80	0.29	-2.13	-1.91e-03	0.03	0.11
		-0.21	-3.39	4.53e-03	0.0	160.0	1.80	-0.69	-2.13	-1.91e-03	-3.39	-0.21
253	73	0.20	3.32	-8.99e-05	-0.97	0.0	-0.47	0.69	2.09	1.87e-03	-0.03	-0.18
		-0.18	-0.03	-4.39e-03	0.0	160.0	-0.47	-0.29	2.09	1.87e-03	3.32	0.14
253	88	0.19	0.02	-4.00e-04	-0.97	0.0	1.87	0.26	-1.49	7.76e-04	0.02	0.13
		-0.23	-2.37	2.98e-03	0.0	160.0	1.87	-0.71	-1.49	7.76e-04	-2.37	-0.23
253	89	0.21	2.30	2.74e-04	-0.97	0.0	-0.54	0.71	1.45	-8.15e-04	-0.02	-0.20
		-0.20	-0.02	-2.84e-03	0.0	160.0	-0.54	-0.27	1.45	-8.15e-04	2.30	0.15
253	104	0.18	0.02	-3.94e-05	-0.97	0.0	1.67	0.31	-1.90	-1.71e-03	0.02	0.10
		-0.19	-3.01	4.03e-03	0.0	160.0	1.67	-0.67	-1.90	-1.71e-03	-3.01	-0.19

253	105	0.20	2.95	-8.67e-05	-0.97	0.0	-0.34	0.66	1.85	1.67e-03	-0.02	-0.17
		-0.17	-0.02	-3.89e-03	0.0	160.0	-0.34	-0.31	1.85	1.67e-03	2.95	0.12
253	120	0.26	0.03	-6.70e-04	-0.97	0.0	2.80	0.09	-2.66	1.46e-03	0.03	0.26
		-0.38	-4.23	5.30e-03	0.0	160.0	2.80	-0.88	-2.66	1.46e-03	-4.23	-0.38
253	121	0.31	4.16	5.43e-04	-0.97	0.0	-1.47	0.88	2.62	-1.50e-03	-0.03	-0.33
		-0.33	-0.03	-5.17e-03	0.0	160.0	-1.47	-0.09	2.62	-1.50e-03	4.16	0.30
253	136	0.22	0.04	-1.32e-05	-0.97	0.0	2.46	0.17	-3.39	-2.95e-03	0.04	0.20
		-0.31	-5.38	7.18e-03	0.0	160.0	2.46	-0.80	-3.39	-2.95e-03	-5.38	-0.31
253	137	0.26	5.31	-1.13e-04	-0.97	0.0	-1.13	0.80	3.35	2.91e-03	-0.04	-0.27
		-0.27	-0.04	-7.04e-03	0.0	160.0	-1.13	-0.17	3.35	2.91e-03	5.31	0.23
255	1	0.21	4.92e-04	-1.03e-04	-1.27	0.0	0.75	0.64	-0.05	1.47e-04	4.92e-04	-0.05
		-0.05	-0.07	1.11e-04	0.0	160.0	0.75	-0.62	-0.05	1.47e-04	-0.07	-0.04
255	2	0.21	7.56e-04	-1.40e-04	-1.27	0.0	0.72	0.62	-0.05	2.50e-04	7.56e-04	-0.04
		-0.06	-0.08	3.05e-04	0.0	160.0	0.72	-0.65	-0.05	2.50e-04	-0.08	-0.06
255	6	0.21	1.03e-03	-1.33e-04	-1.27	0.0	0.71	0.63	-0.07	2.32e-04	1.03e-03	-0.04
		-0.05	-0.11	2.94e-04	0.0	160.0	0.71	-0.64	-0.07	2.32e-04	-0.11	-0.05
255	8	0.16	9.87e-04	-9.34e-05	-0.97	0.0	0.44	0.48	-0.06	2.20e-04	9.87e-04	-0.03
		-0.05	-0.09	2.83e-04	0.0	160.0	0.44	-0.50	-0.06	2.20e-04	-0.09	-0.05
255	9	0.16	3.03e-04	-7.11e-05	-0.97	0.0	0.54	0.49	-0.03	1.18e-04	3.03e-04	-0.04
		-0.04	-0.05	7.72e-05	0.0	160.0	0.54	-0.48	-0.03	1.18e-04	-0.05	-0.03
255	10	0.16	4.78e-04	-9.59e-05	-0.97	0.0	0.52	0.48	-0.03	1.87e-04	4.78e-04	-0.03
		-0.04	-0.05	2.07e-04	0.0	160.0	0.52	-0.50	-0.03	1.87e-04	-0.05	-0.04
255	12	0.16	6.60e-04	-9.12e-05	-0.97	0.0	0.51	0.48	-0.05	1.75e-04	6.60e-04	-0.03
		-0.04	-0.07	1.99e-04	0.0	160.0	0.51	-0.49	-0.05	1.75e-04	-0.07	-0.04
255	13	0.16	-4.91e-05	-6.70e-05	-0.97	0.0	0.56	0.49	-0.01	1.04e-04	-4.91e-05	-0.04
		-0.04	-0.02	3.01e-05	0.0	160.0	0.56	-0.48	-0.01	1.04e-04	-0.02	-0.03
255	15	0.16	6.82e-05	-6.84e-05	-0.97	0.0	0.55	0.49	-0.02	1.09e-04	6.82e-05	-0.04
		-0.04	-0.03	4.58e-05	0.0	160.0	0.55	-0.48	-0.02	1.09e-04	-0.03	-0.03
255	16	0.16	1.21e-04	-7.58e-05	-0.97	0.0	0.55	0.49	-0.02	1.30e-04	1.21e-04	-0.04
		-0.04	-0.03	8.46e-05	0.0	160.0	0.55	-0.49	-0.02	1.30e-04	-0.03	-0.03
255	17	0.16	-4.91e-05	-6.70e-05	-0.97	0.0	0.56	0.49	-0.01	1.04e-04	-4.91e-05	-0.04
		-0.04	-0.02	3.01e-05	0.0	160.0	0.56	-0.48	-0.01	1.04e-04	-0.02	-0.03
255	18	0.16	3.53e-06	-7.44e-05	-0.97	0.0	0.55	0.49	-0.01	1.25e-04	3.53e-06	-0.04
		-0.04	-0.02	6.89e-05	0.0	160.0	0.55	-0.49	-0.01	1.25e-04	-0.02	-0.03
255	27	0.33	2.51	-6.36e-04	-0.97	0.0	1.78	1.09e-04	1.59	1.54e-03	0.01	0.33
		-0.45	0.01	1.99e-03	0.0	160.0	1.78	-0.97	1.59	1.54e-03	2.51	-0.45
255	30	0.38	-0.01	4.87e-04	-0.97	0.0	-0.68	0.98	-1.61	-1.29e-03	-0.01	-0.40
		-0.40	-2.55	-1.86e-03	0.0	160.0	-0.68	2.91e-03	-1.61	-1.29e-03	-2.55	0.38
255	35	0.27	2.92	-5.82e-05	-0.97	0.0	1.60	0.09	1.84	-2.13e-03	-0.02	0.26
		-0.38	-0.02	-3.88e-03	0.0	160.0	1.60	-0.89	1.84	-2.13e-03	2.92	-0.38
255	38	0.32	0.02	-9.06e-05	-0.97	0.0	-0.50	0.89	-1.87	2.38e-03	0.02	-0.34
		-0.34	-2.95	4.02e-03	0.0	160.0	-0.50	-0.08	-1.87	2.38e-03	-2.95	0.31
255	59	0.25	1.87	-4.94e-04	-0.97	0.0	1.51	0.13	1.18	1.20e-03	8.11e-03	0.23
		-0.34	8.11e-03	1.53e-03	0.0	160.0	1.51	-0.85	1.18	1.20e-03	1.87	-0.34
255	62	0.29	-8.10e-03	3.45e-04	-0.97	0.0	-0.41	0.85	-1.21	-9.52e-04	-8.10e-03	-0.31
		-0.31	-1.91	-1.39e-03	0.0	160.0	-0.41	-0.12	-1.21	-9.52e-04	-1.91	0.27
255	67	0.21	2.18	-5.66e-05	-0.97	0.0	1.35	0.19	1.38	-1.61e-03	-0.02	0.18
		-0.29	-0.02	-2.92e-03	0.0	160.0	1.35	-0.78	1.38	-1.61e-03	2.18	-0.29
255	70	0.25	0.02	-9.22e-05	-0.97	0.0	-0.25	0.79	-1.40	1.86e-03	0.02	-0.26
		-0.26	-2.21	3.06e-03	0.0	160.0	-0.25	-0.19	-1.40	1.86e-03	-2.21	0.22
255	91	0.23	1.66	-4.46e-04	-0.97	0.0	1.41	0.17	1.05	1.08e-03	7.19e-03	0.20
		-0.31	7.19e-03	1.37e-03	0.0	160.0	1.41	-0.81	1.05	1.08e-03	1.66	-0.31
255	94	0.26	-7.18e-03	2.97e-04	-0.97	0.0	-0.30	0.81	-1.07	-8.31e-04	-7.18e-03	-0.28
		-0.28	-1.69	-1.23e-03	0.0	160.0	-0.30	-0.16	-1.07	-8.31e-04	-1.69	0.24
255	99	0.20	1.93	-5.79e-05	-0.97	0.0	1.26	0.23	1.22	-1.42e-03	-0.02	0.16
		-0.26	-0.02	-2.59e-03	0.0	160.0	1.26	-0.75	1.22	-1.42e-03	1.93	-0.26
255	102	0.23	0.02	-9.09e-05	-0.97	0.0	-0.16	0.75	-1.24	1.67e-03	0.02	-0.23
		-0.23	-1.96	2.73e-03	0.0	160.0	-0.16	-0.22	-1.24	1.67e-03	-1.96	0.19
255	123	0.40	3.01	-7.49e-04	-0.97	0.0	2.01	-0.10	1.90	1.83e-03	0.01	0.40
		-0.54	0.01	2.37e-03	0.0	160.0	2.01	-1.07	1.90	1.83e-03	3.01	-0.54
255	126	0.47	-0.01	6.01e-04	-0.97	0.0	-0.91	1.08	-1.93	-1.58e-03	-0.01	-0.48
		-0.48	-3.05	-2.23e-03	0.0	160.0	-0.91	0.10	-1.93	-1.58e-03	-3.05	0.47
255	131	0.32	3.51	-5.27e-05	-0.97	0.0	1.81	4.27e-03	2.22	-2.59e-03	-0.03	0.32
		-0.45	-0.03	-4.70e-03	0.0	160.0	1.81	-0.97	2.22	-2.59e-03	3.51	-0.45
255	134	0.38	0.03	-9.61e-05	-0.97	0.0	-0.71	0.97	-2.24	2.84e-03	0.03	-0.40
		-0.40	-3.55	4.84e-03	0.0	160.0	-0.71	-1.25e-03	-2.24	2.84e-03	-3.55	0.38
256	1	0.21	-1.03e-03	-5.82e-05	-1.27	0.0	1.60	0.63	-8.16e-03	-1.27e-04	-1.03e-03	-0.04
		-0.05	-0.01	2.24e-05	0.0	160.0	1.60	-0.64	-8.16e-03	-1.27e-04	-0.01	-0.05
256	3	0.16	-8.86e-04	-3.31e-05	-0.97	0.0	1.11	0.48	-0.01	-9.46e-05	-8.86e-04	-0.03
		-0.04	-0.02	2.22e-05	0.0	160.0	1.11	-0.50	-0.01	-9.46e-05	-0.02	-0.04
256	6	0.21	-1.82e-03	-5.67e-05	-1.27	0.0	1.68	0.62	-0.04	-7.25e-05	-1.82e-03	-0.03
		-0.06	-0.07	9.45e-05	0.0	160.0	1.68	-0.65	-0.04	-7.25e-05	-0.07	-0.06
256	8	0.16	-1.68e-03	-3.17e-05	-0.97	0.0	1.19	0.47	-0.05	-3.98e-05	-1.68e-03	-0.02
		-0.05	-0.08	9.42e-05	0.0	160.0	1.19	-0.50	-0.05	-3.98e-05	-0.08	-0.05
256	9	0.16	-7.54e-04	-3.98e-05	-0.97	0.0	1.17	0.48	-4.63e-03	-1.01e-04	-7.54e-04	-0.03

		-0.04	-8.16e-03	1.43e-05	0.0	160.0	1.17	-0.49	-4.63e-03	-1.01e-04	-8.16e-03	-0.04
256	12	0.16	-1.28e-03	-3.88e-05	-0.97	0.0	1.22	0.48	-0.03	-6.44e-05	-1.28e-03	-0.03
		-0.04	-0.05	6.23e-05	0.0	160.0	1.22	-0.50	-0.03	-6.44e-05	-0.05	-0.04
256	13	0.16	0.01	-4.02e-05	-0.97	0.0	1.14	0.49	6.77e-03	-1.15e-04	-4.98e-04	-0.03
		-0.04	-4.98e-04	-2.54e-06	0.0	160.0	1.14	-0.49	6.77e-03	-1.15e-04	0.01	-0.04
256	14	0.16	-7.51e-04	-3.96e-05	-0.97	0.0	1.16	0.48	-4.82e-03	-9.64e-05	-7.51e-04	-0.03
		-0.04	-8.46e-03	2.38e-05	0.0	160.0	1.16	-0.49	-4.82e-03	-9.64e-05	-8.46e-03	-0.04
256	16	0.16	-7.35e-04	-3.97e-05	-0.97	0.0	1.16	0.48	-3.98e-03	-9.92e-05	-7.35e-04	-0.03
		-0.04	-7.11e-03	1.88e-05	0.0	160.0	1.16	-0.49	-3.98e-03	-9.92e-05	-7.11e-03	-0.04
256	17	0.16	0.01	-4.02e-05	-0.97	0.0	1.14	0.49	6.77e-03	-1.15e-04	-4.98e-04	-0.03
		-0.04	-4.98e-04	-2.54e-06	0.0	160.0	1.14	-0.49	6.77e-03	-1.15e-04	0.01	-0.04
256	18	0.16	-6.50e-04	-3.98e-05	-0.97	0.0	1.15	0.49	-1.85e-04	-1.04e-04	-6.50e-04	-0.03
		-0.04	-9.46e-04	1.32e-05	0.0	160.0	1.15	-0.49	-1.85e-04	-1.04e-04	-9.46e-04	-0.04
256	24	0.29	-0.02	-4.00e-04	-0.97	0.0	3.12	0.05	-0.87	1.24e-03	-0.02	0.29
		-0.40	-1.41	1.87e-03	0.0	160.0	3.12	-0.92	-0.87	1.24e-03	-1.41	-0.40
256	25	0.33	1.41	3.20e-04	-0.97	0.0	-0.82	0.92	0.87	-1.45e-03	0.01	-0.36
		-0.36	0.01	-1.84e-03	0.0	160.0	-0.82	-0.06	0.87	-1.45e-03	1.41	0.33
256	36	0.24	-0.02	-2.42e-05	-0.97	0.0	3.56	0.16	-1.12	1.79e-03	-0.02	0.21
		-0.31	-1.82	2.52e-03	0.0	160.0	3.56	-0.82	-1.12	1.79e-03	-1.82	-0.31
256	37	0.26	1.81	-5.55e-05	-0.97	0.0	-1.26	0.81	1.12	-2.00e-03	0.02	-0.28
		-0.28	0.02	-2.49e-03	0.0	160.0	-1.26	-0.16	1.12	-2.00e-03	1.81	0.24
256	40	0.23	-0.02	-1.05e-05	-0.97	0.0	3.54	0.18	-1.12	1.81e-03	-0.02	0.20
		-0.30	-1.82	2.55e-03	0.0	160.0	3.54	-0.80	-1.12	1.81e-03	-1.82	-0.30
256	41	0.25	1.82	-6.91e-05	-0.97	0.0	-1.24	0.79	1.12	-2.02e-03	0.02	-0.27
		-0.27	0.02	-2.53e-03	0.0	160.0	-1.24	-0.18	1.12	-2.02e-03	1.82	0.22
256	56	0.23	-0.01	-3.09e-04	-0.97	0.0	2.65	0.16	-0.67	9.24e-04	-0.01	0.21
		-0.31	-1.08	1.41e-03	0.0	160.0	2.65	-0.82	-0.67	9.24e-04	-1.08	-0.31
256	57	0.26	1.07	2.30e-04	-0.97	0.0	-0.36	0.81	0.66	-1.13e-03	0.01	-0.28
		-0.28	0.01	-1.39e-03	0.0	160.0	-0.36	-0.16	0.66	-1.13e-03	1.07	0.24
256	68	0.20	-0.02	-2.81e-05	-0.97	0.0	2.98	0.24	-0.85	1.35e-03	-0.02	0.15
		-0.24	-1.38	1.90e-03	0.0	160.0	2.98	-0.74	-0.85	1.35e-03	-1.38	-0.24
256	69	0.22	1.38	-5.15e-05	-0.97	0.0	-0.68	0.73	0.85	-1.56e-03	0.01	-0.22
		-0.22	0.01	-1.88e-03	0.0	160.0	-0.68	-0.24	0.85	-1.56e-03	1.38	0.17
256	72	0.20	-0.02	-1.93e-05	-0.97	0.0	2.96	0.25	-0.85	1.36e-03	-0.02	0.15
		-0.23	-1.38	1.93e-03	0.0	160.0	2.96	-0.72	-0.85	1.36e-03	-1.38	-0.23
256	73	0.21	1.38	-6.04e-05	-0.97	0.0	-0.66	0.72	0.85	-1.57e-03	0.01	-0.21
		-0.21	0.01	-1.91e-03	0.0	160.0	-0.66	-0.25	0.85	-1.57e-03	1.38	0.16
256	88	0.22	-0.01	-2.79e-04	-0.97	0.0	2.49	0.19	-0.59	8.11e-04	-0.01	0.19
		-0.28	-0.96	1.26e-03	0.0	160.0	2.49	-0.78	-0.59	8.11e-04	-0.96	-0.28
256	89	0.24	0.95	1.99e-04	-0.97	0.0	-0.19	0.78	0.59	-1.02e-03	9.54e-03	-0.25
		-0.25	9.54e-03	-1.23e-03	0.0	160.0	-0.19	-0.20	0.59	-1.02e-03	0.95	0.21
256	100	0.19	-0.01	-2.94e-05	-0.97	0.0	2.77	0.27	-0.76	1.19e-03	-0.01	0.13
		-0.22	-1.23	1.69e-03	0.0	160.0	2.77	-0.71	-0.76	1.19e-03	-1.23	-0.22
256	101	0.21	1.22	-5.02e-05	-0.97	0.0	-0.48	0.70	0.76	-1.40e-03	0.01	-0.20
		-0.20	0.01	-1.67e-03	0.0	160.0	-0.48	-0.27	0.76	-1.40e-03	1.22	0.15
256	104	0.19	-0.01	-2.17e-05	-0.97	0.0	2.76	0.28	-0.76	1.20e-03	-0.01	0.13
		-0.21	-1.23	1.72e-03	0.0	160.0	2.76	-0.70	-0.76	1.20e-03	-1.23	-0.21
256	105	0.20	1.22	-5.80e-05	-0.97	0.0	-0.46	0.69	0.76	-1.41e-03	0.01	-0.19
		-0.19	0.01	-1.69e-03	0.0	160.0	-0.46	-0.28	0.76	-1.41e-03	1.22	0.14
256	120	0.35	-0.02	-4.69e-04	-0.97	0.0	3.53	-0.03	-1.05	1.52e-03	-0.02	0.35
		-0.47	-1.70	2.25e-03	0.0	160.0	3.53	-1.00	-1.05	1.52e-03	-1.70	-0.47
256	121	0.40	1.70	3.89e-04	-0.97	0.0	-1.23	1.00	1.05	-1.72e-03	0.02	-0.42
		-0.42	0.02	-2.22e-03	0.0	160.0	-1.23	0.02	1.05	-1.72e-03	1.70	0.40
256	132	0.27	-0.02	-1.93e-05	-0.97	0.0	4.06	0.09	-1.36	2.17e-03	-0.02	0.26
		-0.36	-2.19	3.03e-03	0.0	160.0	4.06	-0.88	-1.36	2.17e-03	-2.19	-0.36
256	133	0.30	2.19	-6.03e-05	-0.97	0.0	-1.76	0.88	1.35	-2.38e-03	0.02	-0.33
		-0.33	0.02	-3.00e-03	0.0	160.0	-1.76	-0.10	1.35	-2.38e-03	2.19	0.29
256	136	0.26	-0.02	-4.12e-06	-0.97	0.0	4.03	0.12	-1.36	2.20e-03	-0.02	0.25
		-0.35	-2.20	3.07e-03	0.0	160.0	4.03	-0.86	-1.36	2.20e-03	-2.20	-0.35
256	137	0.28	2.19	-7.77e-05	-0.97	0.0	-1.73	0.85	1.36	-2.40e-03	0.02	-0.32
		-0.32	0.02	-3.05e-03	0.0	160.0	-1.73	-0.12	1.36	-2.40e-03	2.19	0.27
257	1	0.0	0.0	4.54e-05	0.14	0.0	1.23	-0.07	0.0	4.49e-04	0.0	0.0
		-0.03	0.0	-4.40e-06	0.0	160.0	1.23	0.07	0.0	4.49e-04	0.0	0.0
257	3	0.0	0.0	3.20e-05	0.11	0.0	0.85	-0.05	0.0	4.13e-04	0.0	0.0
		-0.02	0.0	-5.49e-06	0.0	160.0	0.85	0.05	0.0	4.13e-04	0.0	0.0
257	4	0.0	0.0	3.16e-05	0.11	0.0	0.90	-0.05	0.0	1.54e-03	0.0	0.0
		-0.02	0.0	-3.82e-05	0.0	160.0	0.90	0.05	0.0	1.54e-03	0.0	0.0
257	6	0.0	0.0	4.50e-05	0.14	0.0	1.29	-0.07	0.0	1.49e-03	0.0	0.0
		-0.03	0.0	-3.40e-05	0.0	160.0	1.29	0.07	0.0	1.49e-03	0.0	0.0
257	7	0.0	0.0	3.19e-05	0.11	0.0	0.88	-0.05	0.0	6.57e-04	0.0	0.0
		-0.02	0.0	-1.22e-05	0.0	160.0	0.88	0.05	0.0	6.57e-04	0.0	0.0
257	9	0.0	0.0	3.37e-05	0.11	0.0	0.90	-0.05	0.0	3.00e-04	0.0	0.0
		-0.02	0.0	-2.25e-06	0.0	160.0	0.90	0.05	0.0	3.00e-04	0.0	0.0
257	10	0.0	0.0	3.34e-05	0.11	0.0	0.93	-0.05	0.0	1.05e-03	0.0	0.0
		-0.02	0.0	-2.40e-05	0.0	160.0	0.93	0.05	0.0	1.05e-03	0.0	0.0

257	11	0.0	0.0	3.36e-05	0.11	0.0	0.92	-0.05	0.0	4.63e-04	0.0	0.0
		-0.02	0.0	-6.74e-06	0.0	160.0	0.92	0.05	0.0	4.63e-04	0.0	0.0
257	12	0.0	0.0	3.34e-05	0.11	0.0	0.94	-0.05	0.0	9.91e-04	0.0	0.0
		-0.02	0.0	-2.20e-05	0.0	160.0	0.94	0.05	0.0	9.91e-04	0.0	0.0
257	13	0.0	0.0	3.38e-05	0.11	0.0	0.87	-0.05	0.0	5.56e-05	0.0	0.0
		-0.02	0.0	4.47e-06	0.0	160.0	0.87	0.05	0.0	5.56e-05	0.0	0.0
257	14	0.0	0.0	3.36e-05	0.11	0.0	0.88	-0.05	0.0	4.33e-04	0.0	0.0
		-0.02	0.0	-6.42e-06	0.0	160.0	0.88	0.05	0.0	4.33e-04	0.0	0.0
257	15	0.0	0.0	3.37e-05	0.11	0.0	0.88	-0.05	0.0	1.37e-04	0.0	0.0
		-0.02	0.0	2.23e-06	0.0	160.0	0.88	0.05	0.0	1.37e-04	0.0	0.0
257	16	0.0	0.0	3.37e-05	0.11	0.0	0.89	-0.05	0.0	3.63e-04	0.0	0.0
		-0.02	0.0	-4.30e-06	0.0	160.0	0.89	0.05	0.0	3.63e-04	0.0	0.0
257	17	0.0	0.0	3.38e-05	0.11	0.0	0.87	-0.05	0.0	5.56e-05	0.0	0.0
		-0.02	0.0	4.47e-06	0.0	160.0	0.87	0.05	0.0	5.56e-05	0.0	0.0
257	18	0.0	0.0	3.37e-05	0.11	0.0	0.88	-0.05	0.0	2.82e-04	0.0	0.0
		-0.02	0.0	-2.06e-06	0.0	160.0	0.88	0.05	0.0	2.82e-04	0.0	0.0
257	36	0.0	0.0	2.93e-05	0.11	0.0	3.10	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-1.11e-03	0.0	160.0	3.10	0.05	0.0	0.04	0.0	0.0
257	37	0.0	0.0	3.83e-05	0.11	0.0	-1.35	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	1.11e-03	0.0	160.0	-1.35	0.05	0.0	-0.04	0.0	0.0
257	43	0.0	0.0	1.25e-04	0.11	0.0	-0.41	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	4.57e-04	0.0	160.0	-0.41	0.05	0.0	-0.02	0.0	0.0
257	46	0.0	0.0	-8.97e-05	0.11	0.0	2.16	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-4.61e-04	0.0	160.0	2.16	0.05	0.0	0.02	0.0	0.0
257	68	0.0	0.0	3.04e-05	0.11	0.0	2.55	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-8.40e-04	0.0	160.0	2.55	0.05	0.0	0.03	0.0	0.0
257	69	0.0	0.0	3.70e-05	0.11	0.0	-0.80	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	8.36e-04	0.0	160.0	-0.80	0.05	0.0	-0.03	0.0	0.0
257	72	0.0	0.0	2.78e-05	0.11	0.0	2.56	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-8.53e-04	0.0	160.0	2.56	0.05	0.0	0.03	0.0	0.0
257	73	0.0	0.0	4.00e-05	0.11	0.0	-0.80	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	8.49e-04	0.0	160.0	-0.80	0.05	0.0	-0.03	0.0	0.0
257	75	0.0	0.0	9.76e-05	0.11	0.0	-0.10	-0.05	0.0	-0.01	0.0	0.0
		-0.02	0.0	3.48e-04	0.0	160.0	-0.10	0.05	0.0	-0.01	0.0	0.0
257	78	0.0	0.0	-6.26e-05	0.11	0.0	1.85	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-3.52e-04	0.0	160.0	1.85	0.05	0.0	0.02	0.0	0.0
257	100	0.0	0.0	3.08e-05	0.11	0.0	2.37	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-7.46e-04	0.0	160.0	2.37	0.05	0.0	0.02	0.0	0.0
257	101	0.0	0.0	3.66e-05	0.11	0.0	-0.61	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	7.42e-04	0.0	160.0	-0.61	0.05	0.0	-0.02	0.0	0.0
257	104	0.0	0.0	2.85e-05	0.11	0.0	2.37	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-7.58e-04	0.0	160.0	2.37	0.05	0.0	0.03	0.0	0.0
257	105	0.0	0.0	3.92e-05	0.11	0.0	-0.61	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	7.54e-04	0.0	160.0	-0.61	0.05	0.0	-0.02	0.0	0.0
257	107	0.0	0.0	8.85e-05	0.11	0.0	0.01	-0.05	0.0	-0.01	0.0	0.0
		-0.02	0.0	3.09e-04	0.0	160.0	0.01	0.05	0.0	-0.01	0.0	0.0
257	110	0.0	0.0	-5.35e-05	0.11	0.0	1.74	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-3.13e-04	0.0	160.0	1.74	0.05	0.0	0.01	0.0	0.0
257	132	0.0	0.0	2.79e-05	0.11	0.0	3.56	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-1.34e-03	0.0	160.0	3.56	0.05	0.0	0.04	0.0	0.0
257	133	0.0	0.0	3.99e-05	0.11	0.0	-1.81	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	1.34e-03	0.0	160.0	-1.81	0.05	0.0	-0.04	0.0	0.0
257	139	0.0	0.0	1.46e-04	0.11	0.0	-0.68	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	5.51e-04	0.0	160.0	-0.68	0.05	0.0	-0.02	0.0	0.0
257	142	0.0	0.0	-1.11e-04	0.11	0.0	2.43	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-5.55e-04	0.0	160.0	2.43	0.05	0.0	0.02	0.0	0.0
258	1	0.21	-8.37e-04	-7.06e-05	-1.27	0.0	1.35	0.64	-6.39e-03	5.32e-05	-8.37e-04	-0.06
		-0.06	-0.01	2.58e-05	0.0	160.0	1.35	-0.62	-6.39e-03	5.32e-05	-0.01	-0.04
258	2	0.20	-1.17e-03	-9.45e-05	-1.27	0.0	1.30	0.62	-0.01	2.76e-04	-1.17e-03	-0.04
		-0.06	-0.02	1.04e-04	0.0	160.0	1.30	-0.64	-0.01	2.76e-04	-0.02	-0.06
258	3	0.16	-7.05e-04	-4.39e-05	-0.97	0.0	0.87	0.49	-5.70e-03	5.43e-05	-7.05e-04	-0.04
		-0.04	-9.82e-03	2.47e-05	0.0	160.0	0.87	-0.48	-5.70e-03	5.43e-05	-9.82e-03	-0.03
258	6	0.20	-1.24e-03	-8.99e-05	-1.27	0.0	1.28	0.63	-0.02	2.56e-04	-1.24e-03	-0.05
		-0.05	-0.03	9.77e-05	0.0	160.0	1.28	-0.64	-0.02	2.56e-04	-0.03	-0.05
258	8	0.16	-1.11e-03	-6.31e-05	-0.97	0.0	0.81	0.48	-0.02	2.57e-04	-1.11e-03	-0.03
		-0.05	-0.03	9.66e-05	0.0	160.0	0.81	-0.50	-0.02	2.57e-04	-0.03	-0.05
258	9	0.16	-6.21e-04	-4.90e-05	-0.97	0.0	0.98	0.49	-3.07e-03	3.25e-05	-6.21e-04	-0.04
		-0.04	-5.53e-03	1.69e-05	0.0	160.0	0.98	-0.48	-3.07e-03	3.25e-05	-5.53e-03	-0.03
258	10	0.16	-8.46e-04	-6.49e-05	-0.97	0.0	0.95	0.48	-8.20e-03	1.81e-04	-8.46e-04	-0.03
		-0.04	-0.01	6.93e-05	0.0	160.0	0.95	-0.50	-8.20e-03	1.81e-04	-0.01	-0.04
258	12	0.16	-8.88e-04	-6.18e-05	-0.97	0.0	0.93	0.48	-0.01	1.68e-04	-8.88e-04	-0.03
		-0.04	-0.02	6.48e-05	0.0	160.0	0.93	-0.49	-0.01	1.68e-04	-0.02	-0.04
258	13	0.16	6.14e-03	-4.64e-05	-0.97	0.0	1.01	0.49	4.12e-03	-1.45e-05	-4.57e-04	-0.04
		-0.04	-4.57e-04	0.0	0.0	160.0	1.01	-0.48	4.12e-03	-1.45e-05	6.14e-03	-0.03
258	15	0.16	2.25e-03	-4.73e-05	-0.97	0.0	1.00	0.49	1.73e-03	1.18e-06	-5.12e-04	-0.04

		-0.04	-5.12e-04	5.67e-06	0.0	160.0	1.00	-0.48	1.73e-03	1.18e-06	2.25e-03	-0.03
258	16	0.16	-2.81e-04	-5.21e-05	-0.97	0.0	0.99	0.49	1.86e-04	4.57e-05	-5.79e-04	-0.04
		-0.04	-5.79e-04	2.14e-05	0.0	160.0	0.99	-0.49	1.86e-04	4.57e-05	-2.81e-04	-0.03
258	17	0.16	6.14e-03	-4.64e-05	-0.97	0.0	1.01	0.49	4.12e-03	-1.45e-05	-4.57e-04	-0.04
		-0.04	-4.57e-04	0.0	0.0	160.0	1.01	-0.48	4.12e-03	-1.45e-05	6.14e-03	-0.03
258	18	0.16	3.61e-03	-5.12e-05	-0.97	0.0	1.00	0.49	2.58e-03	3.00e-05	-5.24e-04	-0.04
		-0.04	-5.24e-04	1.58e-05	0.0	160.0	1.00	-0.49	2.58e-03	3.00e-05	3.61e-03	-0.03
258	27	0.36	1.18	-4.25e-04	-0.97	0.0	3.15	-0.06	0.74	2.15e-03	-7.51e-03	0.36
		-0.51	-7.51e-03	8.49e-04	0.0	160.0	3.15	-1.03	0.74	2.15e-03	1.18	-0.51
258	30	0.44	6.46e-03	3.22e-04	-0.97	0.0	-1.15	1.03	-0.73	-2.09e-03	6.46e-03	-0.44
		-0.44	-1.18	-8.18e-04	0.0	160.0	-1.15	0.06	-0.73	-2.09e-03	-1.18	0.44
258	35	0.27	1.36	-6.45e-05	-0.97	0.0	3.46	0.06	0.84	-4.18e-03	-8.73e-03	0.27
		-0.41	-8.73e-03	-1.69e-03	0.0	160.0	3.46	-0.91	0.84	-4.18e-03	1.36	-0.41
258	38	0.35	7.68e-03	-3.79e-05	-0.97	0.0	-1.46	0.91	-0.84	4.24e-03	7.68e-03	-0.34
		-0.34	-1.35	1.72e-03	0.0	160.0	-1.46	-0.06	-0.84	4.24e-03	-1.35	0.34
258	39	0.28	1.35	-7.06e-05	-0.97	0.0	3.47	0.06	0.84	-4.05e-03	-8.70e-03	0.27
		-0.42	-8.70e-03	-1.65e-03	0.0	160.0	3.47	-0.92	0.84	-4.05e-03	1.35	-0.42
258	42	0.35	7.65e-03	-3.18e-05	-0.97	0.0	-1.47	0.92	-0.84	4.11e-03	7.65e-03	-0.35
		-0.35	-1.34	1.68e-03	0.0	160.0	-1.47	-0.05	-0.84	4.11e-03	-1.34	0.35
258	59	0.27	0.89	-3.31e-04	-0.97	0.0	2.63	0.08	0.56	1.64e-03	-5.87e-03	0.26
		-0.39	-5.87e-03	6.49e-04	0.0	160.0	2.63	-0.89	0.56	1.64e-03	0.89	-0.39
258	62	0.33	4.82e-03	2.28e-04	-0.97	0.0	-0.63	0.90	-0.55	-1.58e-03	4.82e-03	-0.34
		-0.34	-0.89	-6.17e-04	0.0	160.0	-0.63	-0.08	-0.55	-1.58e-03	-0.89	0.32
258	67	0.21	1.02	-5.77e-05	-0.97	0.0	2.86	0.17	0.64	-3.16e-03	-6.85e-03	0.19
		-0.32	-6.85e-03	-1.27e-03	0.0	160.0	2.86	-0.80	0.64	-3.16e-03	1.02	-0.32
258	70	0.27	5.80e-03	-4.47e-05	-0.97	0.0	-0.85	0.80	-0.63	3.22e-03	5.80e-03	-0.26
		-0.26	-1.01	1.31e-03	0.0	160.0	-0.85	-0.17	-0.63	3.22e-03	-1.01	0.25
258	71	0.22	1.02	-6.24e-05	-0.97	0.0	2.87	0.17	0.64	-3.06e-03	-6.82e-03	0.19
		-0.32	-6.82e-03	-1.24e-03	0.0	160.0	2.87	-0.81	0.64	-3.06e-03	1.02	-0.32
258	74	0.27	5.77e-03	-4.00e-05	-0.97	0.0	-0.87	0.81	-0.63	3.12e-03	5.77e-03	-0.27
		-0.27	-1.01	1.27e-03	0.0	160.0	-0.87	-0.16	-0.63	3.12e-03	-1.01	0.25
258	91	0.24	0.79	-2.99e-04	-0.97	0.0	2.45	0.13	0.49	1.46e-03	-5.28e-03	0.23
		-0.35	-5.28e-03	5.78e-04	0.0	160.0	2.45	-0.85	0.49	1.46e-03	0.79	-0.35
258	94	0.29	4.23e-03	1.97e-04	-0.97	0.0	-0.45	0.85	-0.49	-1.40e-03	4.23e-03	-0.30
		-0.30	-0.79	-5.46e-04	0.0	160.0	-0.45	-0.12	-0.49	-1.40e-03	-0.79	0.28
258	99	0.20	0.91	-5.65e-05	-0.97	0.0	2.65	0.21	0.56	-2.81e-03	-6.16e-03	0.16
		-0.28	-6.16e-03	-1.13e-03	0.0	160.0	2.65	-0.76	0.56	-2.81e-03	0.91	-0.28
258	102	0.25	5.11e-03	-4.59e-05	-0.97	0.0	-0.65	0.77	-0.56	2.87e-03	5.11e-03	-0.24
		-0.24	-0.90	1.16e-03	0.0	160.0	-0.65	-0.21	-0.56	2.87e-03	-0.90	0.21
258	103	0.20	0.91	-6.07e-05	-0.97	0.0	2.66	0.20	0.56	-2.72e-03	-6.14e-03	0.17
		-0.29	-6.14e-03	-1.10e-03	0.0	160.0	2.66	-0.77	0.56	-2.72e-03	0.91	-0.29
258	106	0.25	5.09e-03	-4.17e-05	-0.97	0.0	-0.66	0.77	-0.56	2.78e-03	5.09e-03	-0.24
		-0.24	-0.90	1.13e-03	0.0	160.0	-0.66	-0.20	-0.56	2.78e-03	-0.90	0.22
258	123	0.44	1.41	-5.00e-04	-0.97	0.0	3.58	-0.16	0.88	2.57e-03	-8.93e-03	0.44
		-0.61	-8.93e-03	1.01e-03	0.0	160.0	3.58	-1.14	0.88	2.57e-03	1.41	-0.61
258	126	0.54	7.88e-03	3.98e-04	-0.97	0.0	-1.57	1.14	-0.87	-2.51e-03	7.88e-03	-0.52
		-0.52	-1.40	-9.77e-04	0.0	160.0	-1.57	0.17	-0.87	-2.51e-03	-1.40	0.54
258	131	0.33	1.63	-6.57e-05	-0.97	0.0	3.96	-0.02	1.01	-5.05e-03	-0.01	0.33
		-0.49	-0.01	-2.04e-03	0.0	160.0	3.96	-1.00	1.01	-5.05e-03	1.63	-0.49
258	134	0.42	9.34e-03	-3.67e-05	-0.97	0.0	-1.96	1.00	-1.01	5.11e-03	9.34e-03	-0.41
		-0.41	-1.62	2.07e-03	0.0	160.0	-1.96	0.03	-1.01	5.11e-03	-1.62	0.42
258	135	0.34	1.62	-7.34e-05	-0.97	0.0	3.98	-0.03	1.01	-4.90e-03	-0.01	0.34
		-0.50	-0.01	-2.00e-03	0.0	160.0	3.98	-1.01	1.01	-4.90e-03	1.62	-0.50
258	138	0.43	9.30e-03	-2.90e-05	-0.97	0.0	-1.97	1.01	-1.00	4.96e-03	9.30e-03	-0.41
		-0.41	-1.61	2.03e-03	0.0	160.0	-1.97	0.03	-1.00	4.96e-03	-1.61	0.43
259	2	7.77	1.33e-03	-5.54e-03	-19.80	0.0	8.81	11.83	-2.74e-04	0.0	1.33e-03	-9.39
		-9.39	0.0	-1.65e-04	0.0	486.5	-2.76	-7.97	-2.74e-04	0.0	0.0	0.0
259	3	1.41	2.75e-04	-9.97e-04	-3.60	0.0	1.73	2.15	-5.66e-05	0.0	2.75e-04	-1.72
		-1.72	0.0	-3.48e-05	0.0	486.5	-0.38	-1.45	-5.66e-05	0.0	0.0	0.0
259	9	1.41	2.74e-04	-9.97e-04	-3.60	0.0	1.71	2.15	-5.63e-05	0.0	2.74e-04	-1.72
		-1.72	0.0	-3.43e-05	0.0	486.5	-0.39	-1.45	-5.63e-05	0.0	0.0	0.0
259	10	5.37	9.28e-04	-3.83e-03	-13.68	0.0	6.11	8.17	-1.91e-04	0.0	9.28e-04	-6.49
		-6.49	0.0	-1.15e-04	0.0	486.5	-1.89	-5.51	-1.91e-04	0.0	0.0	0.0
259	13	1.41	2.75e-04	-9.97e-04	-3.60	0.0	1.69	2.15	-5.66e-05	0.0	2.75e-04	-1.72
		-1.72	0.0	-3.39e-05	0.0	486.5	-0.41	-1.45	-5.66e-05	0.0	0.0	0.0
259	14	3.39	6.02e-04	-2.41e-03	-8.64	0.0	3.89	5.16	-1.24e-04	0.0	6.02e-04	-4.10
		-4.10	0.0	-7.40e-05	0.0	486.5	-1.16	-3.48	-1.24e-04	0.0	0.0	0.0
259	17	1.41	2.75e-04	-9.97e-04	-3.60	0.0	1.69	2.15	-5.66e-05	0.0	2.75e-04	-1.72
		-1.72	0.0	-3.39e-05	0.0	486.5	-0.41	-1.45	-5.66e-05	0.0	0.0	0.0
259	18	2.60	4.71e-04	-1.85e-03	-6.63	0.0	3.01	3.96	-9.69e-05	0.0	4.71e-04	-3.15
		-3.15	0.0	-5.80e-05	0.0	486.5	-0.86	-2.67	-9.69e-05	0.0	0.0	0.0
259	27	2.57	3.44e-03	-1.87e-03	-6.63	0.0	-5.27	3.97	-7.07e-04	0.0	3.44e-03	-3.21
		-3.21	0.0	2.71e-03	0.0	486.5	-9.14	-2.65	-7.07e-04	0.0	0.0	0.0
259	28	2.56	0.0	-1.87e-03	-6.63	0.0	-3.03	3.98	8.42e-04	0.0	-4.09e-03	-3.25
		-3.25	-4.09e-03	-1.86e-03	0.0	486.5	-6.91	-2.65	8.42e-04	0.0	0.0	0.0

259	29	2.63	5.04e-03	-1.82e-03	-6.63	0.0	9.06	3.94	-1.04e-03	0.0	5.04e-03	-3.05
		-3.05	0.0	1.85e-03	0.0	486.5	5.18	-2.68	-1.04e-03	0.0	0.0	0.0
259	30	2.62	0.0	-1.82e-03	-6.63	0.0	11.29	3.95	5.14e-04	0.0	-2.50e-03	-3.09
		-3.09	-2.50e-03	-2.72e-03	0.0	486.5	7.42	-2.68	5.14e-04	0.0	0.0	0.0
259	40	2.57	0.0	-1.85e-03	-6.63	0.0	4.58	3.98	2.53e-03	0.0	-0.01	-3.23
		-3.23	-0.01	-7.49e-03	0.0	486.5	0.71	-2.65	2.53e-03	0.0	0.0	0.0
259	41	2.62	0.01	-1.84e-03	-6.63	0.0	1.44	3.94	-2.73e-03	0.0	0.01	-3.07
		-3.07	0.0	7.48e-03	0.0	486.5	-2.43	-2.68	-2.73e-03	0.0	0.0	0.0
259	59	2.58	2.92e-03	-1.87e-03	-6.63	0.0	-3.40	3.97	-6.01e-04	0.0	2.92e-03	-3.20
		-3.20	0.0	2.17e-03	0.0	486.5	-7.27	-2.66	-6.01e-04	0.0	0.0	0.0
259	60	2.57	0.0	-1.86e-03	-6.63	0.0	-1.70	3.97	6.58e-04	0.0	-3.20e-03	-3.22
		-3.22	-3.20e-03	-1.54e-03	0.0	486.5	-5.57	-2.65	6.58e-04	0.0	0.0	0.0
259	61	2.62	4.14e-03	-1.83e-03	-6.63	0.0	7.73	3.95	-8.52e-04	0.0	4.14e-03	-3.08
		-3.08	0.0	1.53e-03	0.0	486.5	3.85	-2.68	-8.52e-04	0.0	0.0	0.0
259	62	2.61	0.0	-1.83e-03	-6.63	0.0	9.42	3.95	4.07e-04	0.0	-1.98e-03	-3.10
		-3.10	-1.98e-03	-2.19e-03	0.0	486.5	5.55	-2.67	4.07e-04	0.0	0.0	0.0
259	72	2.57	0.0	-1.85e-03	-6.63	0.0	4.17	3.97	2.04e-03	0.0	-9.92e-03	-3.21
		-3.21	-9.92e-03	-6.10e-03	0.0	486.5	0.30	-2.65	2.04e-03	0.0	0.0	0.0
259	73	2.62	0.01	-1.84e-03	-6.63	0.0	1.85	3.95	-2.23e-03	0.0	0.01	-3.09
		-3.09	0.0	6.09e-03	0.0	486.5	-2.02	-2.68	-2.23e-03	0.0	0.0	0.0
259	91	2.58	2.65e-03	-1.86e-03	-6.63	0.0	-2.71	3.97	-5.45e-04	0.0	2.65e-03	-3.19
		-3.19	0.0	1.93e-03	0.0	486.5	-6.58	-2.66	-5.45e-04	0.0	0.0	0.0
259	92	2.57	0.0	-1.86e-03	-6.63	0.0	-1.20	3.97	5.75e-04	0.0	-2.80e-03	-3.21
		-3.21	-2.80e-03	-1.37e-03	0.0	486.5	-5.07	-2.65	5.75e-04	0.0	0.0	0.0
259	93	2.62	3.74e-03	-1.83e-03	-6.63	0.0	7.22	3.95	-7.69e-04	0.0	3.74e-03	-3.09
		-3.09	0.0	1.36e-03	0.0	486.5	3.35	-2.68	-7.69e-04	0.0	0.0	0.0
259	94	2.61	0.0	-1.83e-03	-6.63	0.0	8.73	3.95	3.52e-04	0.0	-1.71e-03	-3.11
		-3.11	-1.71e-03	-1.95e-03	0.0	486.5	4.86	-2.67	3.52e-04	0.0	0.0	0.0
259	104	2.58	0.0	-1.85e-03	-6.63	0.0	4.04	3.97	1.80e-03	0.0	-8.78e-03	-3.20
		-3.20	-8.78e-03	-5.43e-03	0.0	486.5	0.16	-2.65	1.80e-03	0.0	0.0	0.0
259	105	2.61	9.72e-03	-1.84e-03	-6.63	0.0	1.99	3.95	-2.00e-03	0.0	9.72e-03	-3.10
		-3.10	0.0	5.41e-03	0.0	486.5	-1.88	-2.68	-2.00e-03	0.0	0.0	0.0
259	123	2.57	3.78e-03	-1.88e-03	-6.63	0.0	-6.72	3.98	-7.77e-04	0.0	3.78e-03	-3.23
		-3.23	0.0	3.08e-03	0.0	486.5	-10.59	-2.65	-7.77e-04	0.0	0.0	0.0
259	124	2.55	0.0	-1.87e-03	-6.63	0.0	-4.03	3.98	9.70e-04	0.0	-4.72e-03	-3.26
		-3.26	-4.72e-03	-2.07e-03	0.0	486.5	-7.90	-2.64	9.70e-04	0.0	0.0	0.0
259	125	2.64	5.66e-03	-1.82e-03	-6.63	0.0	10.05	3.94	-1.16e-03	0.0	5.66e-03	-3.04
		-3.04	0.0	2.06e-03	0.0	486.5	6.18	-2.69	-1.16e-03	0.0	0.0	0.0
259	126	2.62	0.0	-1.81e-03	-6.63	0.0	12.74	3.94	5.83e-04	0.0	-2.84e-03	-3.07
		-3.07	-2.84e-03	-3.10e-03	0.0	486.5	8.87	-2.68	5.83e-04	0.0	0.0	0.0
259	136	2.56	0.0	-1.85e-03	-6.63	0.0	4.98	3.98	2.87e-03	0.0	-0.01	-3.24
		-3.24	-0.01	-8.44e-03	0.0	486.5	1.10	-2.65	2.87e-03	0.0	0.0	0.0
259	137	2.63	0.01	-1.84e-03	-6.63	0.0	1.05	3.94	-3.07e-03	0.0	0.01	-3.06
		-3.06	0.0	8.43e-03	0.0	486.5	-2.82	-2.68	-3.07e-03	0.0	0.0	0.0
260	2	0.0	0.02	3.05e-04	-7.54	0.0	-1.42	-1.67	0.01	0.02	0.0	0.0
		-8.71	0.0	-3.65e-04	0.0	160.0	-1.42	-9.21	0.01	0.02	0.02	-8.71
260	5	0.0	7.65e-03	8.78e-05	-1.78	0.0	-0.31	-0.41	4.78e-03	4.62e-03	0.0	0.0
		-2.08	0.0	-1.86e-04	0.0	160.0	-0.31	-2.19	4.78e-03	4.62e-03	7.65e-03	-2.08
260	7	0.0	6.23e-03	6.76e-05	-1.37	0.0	-0.20	-0.31	3.89e-03	3.55e-03	0.0	0.0
		-1.60	0.0	-1.65e-04	0.0	160.0	-0.20	-1.69	3.89e-03	3.55e-03	6.23e-03	-1.60
260	10	0.0	0.02	2.12e-04	-5.21	0.0	-0.97	-1.16	9.91e-03	0.01	0.0	0.0
		-6.02	0.0	-2.51e-04	0.0	160.0	-0.97	-6.37	9.91e-03	0.01	0.02	-6.02
260	11	0.0	5.66e-03	6.76e-05	-1.37	0.0	-0.23	-0.31	3.54e-03	3.54e-03	0.0	0.0
		-1.60	0.0	-1.31e-04	0.0	160.0	-0.23	-1.69	3.54e-03	3.54e-03	5.66e-03	-1.60
260	14	0.0	9.78e-03	1.40e-04	-3.29	0.0	-0.62	-0.74	6.11e-03	8.45e-03	0.0	0.0
		-3.81	0.0	-1.39e-04	0.0	160.0	-0.62	-4.03	6.11e-03	8.45e-03	9.78e-03	-3.81
260	15	0.0	4.69e-03	6.78e-05	-1.37	0.0	-0.25	-0.31	2.93e-03	3.52e-03	0.0	0.0
		-1.60	0.0	-7.79e-05	0.0	160.0	-0.25	-1.69	2.93e-03	3.52e-03	4.69e-03	-1.60
260	17	0.0	4.44e-03	6.78e-05	-1.37	0.0	-0.26	-0.31	2.78e-03	3.51e-03	0.0	0.0
		-1.60	0.0	-6.52e-05	0.0	160.0	-0.26	-1.69	2.78e-03	3.51e-03	4.44e-03	-1.60
260	18	0.0	7.65e-03	1.11e-04	-2.52	0.0	-0.48	-0.57	4.78e-03	6.48e-03	0.0	0.0
		-2.93	0.0	-1.09e-04	0.0	160.0	-0.48	-3.09	4.78e-03	6.48e-03	7.65e-03	-2.93
260	28	0.0	0.0	1.68e-04	-2.52	0.0	-6.40	-0.64	-0.02	-1.67e-03	0.0	0.0
		-3.04	-0.04	5.75e-03	0.0	160.0	-6.40	-3.16	-0.02	-1.67e-03	-0.04	-3.04
260	31	0.0	0.0	1.48e-04	-2.52	0.0	-7.51	-0.61	-0.07	1.28e-03	0.0	0.0
		-3.00	-0.11	6.10e-03	0.0	160.0	-7.51	-3.14	-0.07	1.28e-03	-0.11	-3.00
260	33	0.0	0.07	-1.02e-04	-2.52	0.0	5.35	-0.50	0.04	0.01	0.0	0.0
		-2.82	0.0	-5.37e-03	0.0	160.0	5.35	-3.02	0.04	0.01	0.07	-2.82
260	34	0.0	0.13	7.63e-05	-2.52	0.0	6.55	-0.52	0.08	0.01	0.0	0.0
		-2.85	0.0	-6.20e-03	0.0	160.0	6.55	-3.04	0.08	0.01	0.13	-2.85
260	35	0.0	0.0	9.02e-05	-2.52	0.0	-3.38	-0.54	-0.11	9.94e-03	0.0	0.0
		-2.89	-0.18	3.39e-03	0.0	160.0	-3.38	-3.07	-0.11	9.94e-03	-0.18	-2.89
260	38	0.0	0.20	1.33e-04	-2.52	0.0	2.43	-0.59	0.12	3.01e-03	0.0	0.0
		-2.96	0.0	-3.61e-03	0.0	160.0	2.43	-3.11	0.12	3.01e-03	0.20	-2.96
260	60	0.0	0.0	1.53e-04	-2.52	0.0	-5.03	-0.62	-0.01	4.64e-04	0.0	0.0

		-3.01	-0.02	4.38e-03	0.0	160.0	-5.03	-3.14	-0.01	4.64e-04	-0.02	-3.01
260	63	0.0	0.0	1.38e-04	-2.52	0.0	-5.85	-0.60	-0.05	2.66e-03	0.0	0.0
		-2.98	-0.08	4.34e-03	0.0	160.0	-5.85	-3.13	-0.05	2.66e-03	-0.08	-2.98
260	65	0.0	0.05	-8.06e-05	-2.52	0.0	4.01	-0.52	0.03	0.01	0.0	0.0
		-2.84	0.0	-4.05e-03	0.0	160.0	4.01	-3.04	0.03	0.01	0.05	-2.84
260	66	0.0	0.10	8.54e-05	-2.52	0.0	4.89	-0.53	0.06	0.01	0.0	0.0
		-2.87	0.0	-4.46e-03	0.0	160.0	4.89	-3.06	0.06	0.01	0.10	-2.87
260	67	0.0	0.0	9.54e-05	-2.52	0.0	-2.68	-0.55	-0.09	9.07e-03	0.0	0.0
		-2.90	-0.14	2.15e-03	0.0	160.0	-2.68	-3.07	-0.09	9.07e-03	-0.14	-2.90
260	70	0.0	0.15	1.28e-04	-2.52	0.0	1.72	-0.58	0.09	3.88e-03	0.0	0.0
		-2.95	0.0	-2.37e-03	0.0	160.0	1.72	-3.11	0.09	3.88e-03	0.15	-2.95
260	92	0.0	0.0	1.48e-04	-2.52	0.0	-4.53	-0.61	-0.01	1.15e-03	0.0	0.0
		-3.00	-0.02	3.88e-03	0.0	160.0	-4.53	-3.14	-0.01	1.15e-03	-0.02	-3.00
260	95	0.0	0.0	1.35e-04	-2.52	0.0	-5.26	-0.60	-0.04	3.09e-03	0.0	0.0
		-2.98	-0.07	3.82e-03	0.0	160.0	-5.26	-3.12	-0.04	3.09e-03	-0.07	-2.98
260	97	0.0	0.05	7.68e-05	-2.52	0.0	3.52	-0.52	0.03	0.01	0.0	0.0
		-2.85	0.0	-3.60e-03	0.0	160.0	3.52	-3.05	0.03	0.01	0.05	-2.85
260	98	0.0	0.09	8.83e-05	-2.52	0.0	4.30	-0.54	0.05	9.86e-03	0.0	0.0
		-2.88	0.0	-3.94e-03	0.0	160.0	4.30	-3.06	0.05	9.86e-03	0.09	-2.88
260	99	0.0	0.0	9.71e-05	-2.52	0.0	-2.43	-0.55	-0.08	8.77e-03	0.0	0.0
		-2.90	-0.12	1.87e-03	0.0	160.0	-2.43	-3.08	-0.08	8.77e-03	-0.12	-2.90
260	102	0.0	0.14	1.26e-04	-2.52	0.0	1.47	-0.58	0.08	4.18e-03	0.0	0.0
		-2.95	0.0	-2.09e-03	0.0	160.0	1.47	-3.11	0.08	4.18e-03	0.14	-2.95
260	124	0.0	0.0	1.81e-04	-2.52	0.0	-7.43	-0.65	-0.03	-3.37e-03	0.0	0.0
		-3.06	-0.05	6.74e-03	0.0	160.0	-7.43	-3.17	-0.03	-3.37e-03	-0.05	-3.06
260	127	0.0	0.0	1.56e-04	-2.52	0.0	-8.76	-0.62	-0.09	2.02e-04	0.0	0.0
		-3.02	-0.14	7.42e-03	0.0	160.0	-8.76	-3.15	-0.09	2.02e-04	-0.14	-3.02
260	129	0.0	0.08	-1.19e-04	-2.52	0.0	6.37	-0.48	0.05	0.02	0.0	0.0
		-2.79	0.0	-6.37e-03	0.0	160.0	6.37	-3.01	0.05	0.02	0.08	-2.79
260	130	0.0	0.15	-8.53e-05	-2.52	0.0	7.80	-0.51	0.09	0.01	0.0	0.0
		-2.83	0.0	-7.52e-03	0.0	160.0	7.80	-3.03	0.09	0.01	0.15	-2.83
260	131	0.0	0.0	8.58e-05	-2.52	0.0	-3.92	-0.54	-0.13	0.01	0.0	0.0
		-2.88	-0.21	4.44e-03	0.0	160.0	-3.92	-3.06	-0.13	0.01	-0.21	-2.88
260	134	0.0	0.23	1.38e-04	-2.52	0.0	2.97	-0.60	0.14	2.29e-03	0.0	0.0
		-2.97	0.0	-4.66e-03	0.0	160.0	2.97	-3.12	0.14	2.29e-03	0.23	-2.97
261	2	8.40	0.0	-5.45e-03	-19.80	0.0	2.33	11.52	2.02e-04	0.0	-9.83e-04	-7.88
		-7.88	-9.83e-04	1.06e-04	0.0	486.5	-9.24	-8.28	2.02e-04	0.0	0.0	0.0
261	10	5.81	0.0	-3.76e-03	-13.68	0.0	1.57	7.96	1.40e-04	0.0	-6.79e-04	-5.45
		-5.45	-6.79e-04	7.30e-05	0.0	486.5	-6.43	-5.72	1.40e-04	0.0	0.0	0.0
261	14	3.67	0.0	-2.37e-03	-8.64	0.0	0.86	5.03	8.69e-05	0.0	-4.23e-04	-3.44
		-3.44	-4.23e-04	4.56e-05	0.0	486.5	-4.19	-3.61	8.69e-05	0.0	0.0	0.0
261	18	2.81	0.0	-1.81e-03	-6.63	0.0	0.60	3.86	6.67e-05	0.0	-3.25e-04	-2.64
		-2.64	-3.25e-04	3.50e-05	0.0	486.5	-3.27	-2.77	6.67e-05	0.0	0.0	0.0
261	28	2.51	2.06e-03	-2.01e-03	-6.63	0.0	-37.46	4.01	-4.23e-04	0.0	2.06e-03	-3.38
		-3.38	0.0	-1.86e-03	0.0	486.5	-41.33	-2.62	-4.23e-04	0.0	0.0	0.0
261	29	3.14	0.0	1.76e-03	-6.63	0.0	38.66	3.70	5.57e-04	0.0	-2.71e-03	-1.90
		-1.90	-2.71e-03	1.85e-03	0.0	486.5	34.79	-2.92	5.57e-04	0.0	0.0	0.0
261	39	2.93	0.02	-1.76e-03	-6.63	0.0	14.75	3.80	-3.17e-03	0.0	0.02	-2.36
		-2.36	0.0	7.74e-03	0.0	486.5	10.88	-2.83	-3.17e-03	0.0	0.0	0.0
261	42	2.69	0.0	-1.86e-03	-6.63	0.0	-13.55	3.91	3.30e-03	0.0	-0.02	-2.92
		-2.92	-0.02	-7.75e-03	0.0	486.5	-17.42	-2.71	3.30e-03	0.0	0.0	0.0
261	60	2.58	1.14e-03	-1.95e-03	-6.63	0.0	-27.46	3.97	-2.34e-04	0.0	1.14e-03	-3.19
		-3.19	0.0	-1.54e-03	0.0	486.5	-31.33	-2.66	-2.34e-04	0.0	0.0	0.0
261	61	3.05	0.0	-1.70e-03	-6.63	0.0	28.67	3.74	3.68e-04	0.0	-1.79e-03	-2.09
		-2.09	-1.79e-03	1.53e-03	0.0	486.5	24.79	-2.88	3.68e-04	0.0	0.0	0.0
261	71	2.90	0.01	-1.77e-03	-6.63	0.0	11.21	3.81	-2.50e-03	0.0	0.01	-2.43
		-2.43	0.0	6.28e-03	0.0	486.5	7.34	-2.81	-2.50e-03	0.0	0.0	0.0
261	74	2.72	0.0	-1.84e-03	-6.63	0.0	-10.01	3.90	2.63e-03	0.0	-0.01	-2.85
		-2.85	-0.01	-6.29e-03	0.0	486.5	-13.88	-2.73	2.63e-03	0.0	0.0	0.0
261	92	2.60	9.55e-04	-1.93e-03	-6.63	0.0	-24.24	3.96	-1.96e-04	0.0	9.55e-04	-3.13
		-3.13	0.0	-1.37e-03	0.0	486.5	-28.12	-2.67	-1.96e-04	0.0	0.0	0.0
261	93	3.02	0.0	-1.71e-03	-6.63	0.0	25.45	3.76	3.30e-04	0.0	-1.60e-03	-2.16
		-2.16	-1.60e-03	1.36e-03	0.0	486.5	21.58	-2.87	3.30e-04	0.0	0.0	0.0
261	103	2.89	0.01	-1.78e-03	-6.63	0.0	10.01	3.82	-2.21e-03	0.0	0.01	-2.46
		-2.46	0.0	5.59e-03	0.0	486.5	6.14	-2.81	-2.21e-03	0.0	0.0	0.0
261	106	2.73	0.0	-1.84e-03	-6.63	0.0	-8.81	3.89	2.35e-03	0.0	-0.01	-2.83
		-2.83	-0.01	-5.60e-03	0.0	486.5	-12.68	-2.73	2.35e-03	0.0	0.0	0.0
261	124	2.45	2.86e-03	-2.05e-03	-6.63	0.0	-45.40	4.04	-5.87e-04	0.0	2.86e-03	-3.54
		-3.54	0.0	-2.07e-03	0.0	486.5	-49.28	-2.59	-5.87e-04	0.0	0.0	0.0
261	125	3.20	0.0	1.98e-03	-6.63	0.0	46.61	3.67	7.21e-04	0.0	-3.51e-03	-1.74
		-1.74	-3.51e-03	2.06e-03	0.0	486.5	42.74	-2.95	7.21e-04	0.0	0.0	0.0
261	135	2.96	0.02	-1.75e-03	-6.63	0.0	17.69	3.79	-3.65e-03	0.0	0.02	-2.31
		-2.31	0.0	8.74e-03	0.0	486.5	13.82	-2.84	-3.65e-03	0.0	0.0	0.0
261	138	2.66	0.0	-1.87e-03	-6.63	0.0	-16.48	3.92	3.78e-03	0.0	-0.02	-2.98
		-2.98	-0.02	-8.75e-03	0.0	486.5	-20.36	-2.70	3.78e-03	0.0	0.0	0.0

262	2	0.0	8.27e-03	-1.39e-03	-8.71	0.0	-2.51	-0.37	5.17e-03	2.02e-03	0.0	0.0
		-7.57	0.0	-1.84e-04	0.0	160.0	-2.51	-9.09	5.17e-03	2.02e-03	8.27e-03	-7.57
262	5	0.0	3.77e-03	-3.02e-04	-1.99	0.0	-0.66	-0.13	2.35e-03	4.00e-04	0.0	0.0
		-1.79	0.0	-1.46e-04	0.0	160.0	-0.66	-2.12	2.35e-03	4.00e-04	3.77e-03	-1.79
262	7	0.0	3.29e-03	-2.33e-04	-1.53	0.0	-0.50	-0.10	2.06e-03	3.24e-04	0.0	0.0
		-1.38	0.0	-1.36e-04	0.0	160.0	-0.50	-1.63	2.06e-03	3.24e-04	3.29e-03	-1.38
262	10	0.0	5.69e-03	-9.55e-04	-6.01	0.0	-1.75	-0.26	3.56e-03	1.39e-03	0.0	0.0
		-5.23	0.0	-1.26e-04	0.0	160.0	-1.75	-6.27	3.56e-03	1.39e-03	5.69e-03	-5.23
262	11	0.0	2.69e-03	-2.32e-04	-1.53	0.0	-0.51	-0.10	1.68e-03	3.13e-04	0.0	0.0
		-1.38	0.0	-9.99e-05	0.0	160.0	-0.51	-1.63	1.68e-03	3.13e-04	2.69e-03	-1.38
262	14	0.0	3.20e-03	-5.91e-04	-3.77	0.0	-1.15	-0.18	2.00e-03	8.48e-04	0.0	0.0
		-3.31	0.0	-5.67e-05	0.0	160.0	-1.15	-3.95	2.00e-03	8.48e-04	3.20e-03	-3.31
262	15	0.0	1.70e-03	-2.30e-04	-1.53	0.0	-0.53	-0.10	1.06e-03	3.09e-04	0.0	0.0
		-1.38	0.0	-4.14e-05	0.0	160.0	-0.53	-1.63	1.06e-03	3.09e-04	1.70e-03	-1.38
262	17	0.0	1.45e-03	-2.30e-04	-1.53	0.0	-0.53	-0.10	9.05e-04	3.08e-04	0.0	0.0
		-1.38	0.0	-2.78e-05	0.0	160.0	-0.53	-1.63	9.05e-04	3.08e-04	1.45e-03	-1.38
262	18	0.0	2.50e-03	-4.47e-04	-2.88	0.0	-0.90	-0.15	1.56e-03	6.32e-04	0.0	0.0
		-2.54	0.0	-4.51e-05	0.0	160.0	-0.90	-3.02	1.56e-03	6.32e-04	2.50e-03	-2.54
262	28	0.0	0.0	2.80e-04	-2.88	0.0	-9.21	-0.76	-0.03	-3.47e-04	0.0	0.0
		-3.52	-0.05	5.75e-03	0.0	160.0	-9.21	-3.64	-0.03	-3.47e-04	-0.05	-3.52
262	29	0.06	0.06	-1.09e-03	-2.88	0.0	7.41	0.46	0.04	1.61e-03	0.0	0.0
		-1.56	0.0	-5.79e-03	0.0	160.0	7.41	-2.41	0.04	1.61e-03	0.06	-1.56
262	35	1.64e-03	0.0	-7.21e-04	-2.88	0.0	2.89	0.11	-0.12	1.08e-03	0.0	0.0
		-2.13	-0.19	3.48e-03	0.0	160.0	2.89	-2.77	-0.12	1.08e-03	-0.19	-2.13
262	38	0.0	0.19	-1.72e-04	-2.88	0.0	-4.69	-0.40	0.12	1.80e-04	0.0	0.0
		-2.95	0.0	-3.57e-03	0.0	160.0	-4.69	-3.28	0.12	1.80e-04	0.19	-2.95
262	60	0.0	0.0	1.52e-04	-2.88	0.0	-7.03	-0.60	-0.02	-9.03e-05	0.0	0.0
		-3.26	-0.03	4.38e-03	0.0	160.0	-7.03	-3.48	-0.02	-9.03e-05	-0.03	-3.26
262	61	0.02	0.04	-9.18e-04	-2.88	0.0	5.23	0.30	0.02	1.35e-03	0.0	0.0
		-1.81	0.0	-4.43e-03	0.0	160.0	5.23	-2.57	0.02	1.35e-03	0.04	-1.81
262	67	0.0	0.0	-6.52e-04	-2.88	0.0	1.95	0.04	-0.09	9.73e-04	0.0	0.0
		-2.23	-0.14	2.23e-03	0.0	160.0	1.95	-2.83	-0.09	9.73e-04	-0.14	-2.23
262	70	0.0	0.15	-2.41e-04	-2.88	0.0	-3.75	-0.34	0.09	2.91e-04	0.0	0.0
		-2.84	0.0	-2.32e-03	0.0	160.0	-3.75	-3.22	0.09	2.91e-04	0.15	-2.84
262	92	0.0	0.0	1.14e-04	-2.88	0.0	-6.33	-0.55	-0.02	-7.63e-06	0.0	0.0
		-3.18	-0.03	3.88e-03	0.0	160.0	-6.33	-3.43	-0.02	-7.63e-06	-0.03	-3.18
262	93	0.02	0.03	-8.64e-04	-2.88	0.0	4.53	0.25	0.02	1.27e-03	0.0	0.0
		-1.90	0.0	-3.93e-03	0.0	160.0	4.53	-2.62	0.02	1.27e-03	0.03	-1.90
262	99	0.0	0.0	-6.29e-04	-2.88	0.0	1.63	0.02	-0.08	9.35e-04	0.0	0.0
		-2.27	-0.13	1.95e-03	0.0	160.0	1.63	-2.86	-0.08	9.35e-04	-0.13	-2.27
262	102	0.0	0.13	-2.64e-04	-2.88	0.0	-3.43	-0.32	0.08	3.29e-04	0.0	0.0
		-2.81	0.0	-2.04e-03	0.0	160.0	-3.43	-3.19	0.08	3.29e-04	0.13	-2.81
262	124	0.0	0.0	3.91e-04	-2.88	0.0	-10.95	-0.89	-0.04	-5.51e-04	0.0	0.0
		-3.72	-0.06	6.74e-03	0.0	160.0	-10.95	-3.77	-0.04	-5.51e-04	-0.06	-3.72
262	125	0.10	0.07	-1.22e-03	-2.88	0.0	9.15	0.59	0.04	1.82e-03	0.0	0.0
		-1.35	0.0	-6.78e-03	0.0	160.0	9.15	-2.28	0.04	1.82e-03	0.07	-1.35
262	131	6.98e-03	0.0	-7.78e-04	-2.88	0.0	3.68	0.16	-0.14	1.18e-03	0.0	0.0
		-2.05	-0.22	4.54e-03	0.0	160.0	3.68	-2.72	-0.14	1.18e-03	-0.22	-2.05
262	134	0.0	0.23	-1.15e-04	-2.88	0.0	-5.49	-0.46	0.14	8.59e-05	0.0	0.0
		-3.03	0.0	-4.63e-03	0.0	160.0	-5.49	-3.33	0.14	8.59e-05	0.23	-3.03
263	1	0.22	1.66e-03	-2.98e-04	-1.99	0.0	-0.86	0.74	1.04e-03	-7.88e-04	0.0	0.0
		-0.41	0.0	-9.16e-05	0.0	160.0	-0.86	-1.25	1.04e-03	-7.88e-04	1.66e-03	-0.41
263	2	1.16	3.16e-03	-1.38e-03	-8.71	0.0	-3.23	3.56	1.98e-03	-2.87e-03	0.0	0.0
		-1.27	0.0	-1.31e-04	0.0	160.0	-3.23	-5.15	1.98e-03	-2.87e-03	3.16e-03	-1.27
263	3	0.18	1.52e-03	-2.29e-04	-1.53	0.0	-0.65	0.59	9.48e-04	-5.82e-04	0.0	0.0
		-0.29	0.0	-8.44e-05	0.0	160.0	-0.65	-0.94	9.48e-04	-5.82e-04	1.52e-03	-0.29
263	6	0.89	3.45e-03	-1.06e-03	-6.70	0.0	-2.53	2.73	2.16e-03	-2.24e-03	0.0	0.0
		-0.99	0.0	-1.64e-04	0.0	160.0	-2.53	-3.97	2.16e-03	-2.24e-03	3.45e-03	-0.99
263	9	0.17	1.16e-03	-2.29e-04	-1.53	0.0	-0.65	0.57	7.22e-04	-5.95e-04	0.0	0.0
		-0.31	0.0	-6.24e-05	0.0	160.0	-0.65	-0.96	7.22e-04	-5.95e-04	1.16e-03	-0.31
263	10	0.80	2.16e-03	-9.49e-04	-6.01	0.0	-2.23	2.45	1.35e-03	-1.98e-03	0.0	0.0
		-0.88	0.0	-8.85e-05	0.0	160.0	-2.23	-3.56	1.35e-03	-1.98e-03	2.16e-03	-0.88
263	12	0.61	2.35e-03	-7.34e-04	-4.67	0.0	-1.77	1.90	1.47e-03	-1.57e-03	0.0	0.0
		-0.70	0.0	-1.11e-04	0.0	160.0	-1.77	-2.77	1.47e-03	-1.57e-03	2.35e-03	-0.70
263	13	0.16	4.12e-04	-2.27e-04	-1.53	0.0	-0.63	0.56	2.57e-04	-5.94e-04	0.0	0.0
		-0.33	0.0	-1.62e-05	0.0	160.0	-0.63	-0.97	2.57e-04	-5.94e-04	4.12e-04	-0.33
263	14	0.48	9.12e-04	-5.88e-04	-3.77	0.0	-1.42	1.50	5.70e-04	-1.29e-03	0.0	0.0
		-0.62	0.0	-2.99e-05	0.0	160.0	-1.42	-2.27	5.70e-04	-1.29e-03	9.12e-04	-0.62
263	16	0.35	9.60e-04	-4.44e-04	-2.88	0.0	-1.11	1.13	6.00e-04	-1.01e-03	0.0	0.0
		-0.49	0.0	-3.94e-05	0.0	160.0	-1.11	-1.75	6.00e-04	-1.01e-03	9.60e-04	-0.49
263	17	0.16	4.12e-04	-2.27e-04	-1.53	0.0	-0.63	0.56	2.57e-04	-5.94e-04	0.0	0.0
		-0.33	0.0	-1.62e-05	0.0	160.0	-0.63	-0.97	2.57e-04	-5.94e-04	4.12e-04	-0.33
263	18	0.35	7.12e-04	-4.43e-04	-2.88	0.0	-1.11	1.13	4.45e-04	-1.01e-03	0.0	0.0
		-0.50	0.0	-2.45e-05	0.0	160.0	-1.11	-1.75	4.45e-04	-1.01e-03	7.12e-04	-0.50
263	28	0.0	0.0	4.49e-04	-2.88	0.0	0.77	-2.66	-0.03	8.44e-05	0.0	0.0

		-6.55	-0.05	5.75e-03	0.0	160.0	0.77	-5.53	-0.03	8.44e-05	-0.05	-6.55
263	29	5.55	0.06	-1.14e-03	-2.88	0.0	-2.98	4.91	0.04	-2.10e-03	0.0	0.0
		0.0	0.0	-5.79e-03	0.0	160.0	-2.98	2.03	0.04	-2.10e-03	0.06	5.55
263	31	0.0	0.0	1.90e-04	-2.88	0.0	1.49	-1.41	-0.08	-2.87e-04	0.0	0.0
		-4.56	-0.13	6.18e-03	0.0	160.0	1.49	-4.29	-0.08	-2.87e-04	-0.13	-4.56
263	34	3.56	0.13	-8.76e-04	-2.88	0.0	-3.71	3.66	0.08	-1.73e-03	0.0	0.0
		0.0	0.0	-6.23e-03	0.0	160.0	-3.71	0.79	0.08	-1.73e-03	0.13	3.56
263	35	1.82	0.0	-7.18e-04	-2.88	0.0	0.47	2.56	-0.12	-1.45e-03	0.0	0.0
		0.0	-0.19	3.51e-03	0.0	160.0	0.47	-0.32	-0.12	-1.45e-03	-0.19	1.79
263	38	0.0	0.19	-1.69e-04	-2.88	0.0	-2.68	-0.31	0.12	-5.72e-04	0.0	0.0
		-2.79	0.0	-3.56e-03	0.0	160.0	-2.68	-3.18	0.12	-5.72e-04	0.19	-2.79
263	60	0.0	0.0	2.53e-04	-2.88	0.0	0.32	-1.67	-0.02	-2.01e-04	0.0	0.0
		-4.98	-0.04	4.38e-03	0.0	160.0	0.32	-4.55	-0.02	-2.01e-04	-0.04	-4.98
263	61	3.98	0.04	-9.46e-04	-2.88	0.0	-2.53	3.92	0.02	-1.82e-03	0.0	0.0
		0.0	0.0	-4.43e-03	0.0	160.0	-2.53	1.05	0.02	-1.82e-03	0.04	3.98
263	63	0.0	0.0	-1.47e-04	-2.88	0.0	0.85	-0.76	-0.06	-4.74e-04	0.0	0.0
		-3.51	-0.10	4.42e-03	0.0	160.0	0.85	-3.63	-0.06	-4.74e-04	-0.10	-3.51
263	66	2.51	0.10	-7.49e-04	-2.88	0.0	-3.06	3.01	0.06	-1.55e-03	0.0	0.0
		0.0	0.0	-4.46e-03	0.0	160.0	-3.06	0.13	0.06	-1.55e-03	0.10	2.51
263	67	1.33	0.0	-6.49e-04	-2.88	0.0	0.06	2.19	-0.09	-1.33e-03	0.0	0.0
		0.0	-0.15	2.26e-03	0.0	160.0	0.06	-0.69	-0.09	-1.33e-03	-0.15	1.20
263	70	0.0	0.15	-2.38e-04	-2.88	0.0	-2.27	0.06	0.09	-6.87e-04	0.0	0.0
		-2.20	0.0	-2.31e-03	0.0	160.0	-2.27	-2.81	0.09	-6.87e-04	0.15	-2.20
263	92	0.0	0.0	1.91e-04	-2.88	0.0	0.16	-1.35	-0.02	-2.93e-04	0.0	0.0
		-4.47	-0.03	3.88e-03	0.0	160.0	0.16	-4.23	-0.02	-2.93e-04	-0.03	-4.47
263	93	3.47	0.03	-8.83e-04	-2.88	0.0	-2.37	3.60	0.02	-1.73e-03	0.0	0.0
		0.0	0.0	-3.93e-03	0.0	160.0	-2.37	0.73	0.02	-1.73e-03	0.03	3.47
263	95	0.0	0.0	-1.81e-04	-2.88	0.0	0.63	-0.54	-0.05	-5.35e-04	0.0	0.0
		-3.17	-0.08	3.89e-03	0.0	160.0	0.63	-3.42	-0.05	-5.35e-04	-0.08	-3.17
263	98	2.17	0.09	-7.11e-04	-2.88	0.0	-2.84	2.79	0.05	-1.49e-03	0.0	0.0
		0.0	0.0	-3.94e-03	0.0	160.0	-2.84	-0.08	0.05	-1.49e-03	0.09	2.17
263	99	1.19	0.0	-6.26e-04	-2.88	0.0	-0.08	2.07	-0.08	-1.30e-03	0.0	0.0
		0.0	-0.13	1.98e-03	0.0	160.0	-0.08	-0.81	-0.08	-1.30e-03	-0.13	1.01
263	102	9.40e-03	0.13	-2.61e-04	-2.88	0.0	-2.13	0.18	0.08	-7.24e-04	0.0	0.0
		-2.01	0.0	-2.02e-03	0.0	160.0	-2.13	-2.69	0.08	-7.24e-04	0.13	-2.01
263	124	0.0	0.0	6.09e-04	-2.88	0.0	1.13	-3.43	-0.04	3.11e-04	0.0	0.0
		-7.79	-0.07	6.74e-03	0.0	160.0	1.13	-6.31	-0.04	3.11e-04	-0.07	-7.79
263	125	6.79	0.07	-1.31e-03	-2.88	0.0	-3.34	5.68	0.04	-2.33e-03	0.0	0.0
		0.0	0.0	-6.78e-03	0.0	160.0	-3.34	2.81	0.04	-2.33e-03	0.07	6.79
263	127	0.0	0.0	2.89e-04	-2.88	0.0	2.00	-1.93	-0.10	-1.39e-04	0.0	0.0
		-5.39	-0.16	7.51e-03	0.0	160.0	2.00	-4.81	-0.10	-1.39e-04	-0.16	-5.39
263	130	4.39	0.16	-9.76e-04	-2.88	0.0	-4.21	4.18	0.10	-1.88e-03	0.0	0.0
		0.0	0.0	-7.55e-03	0.0	160.0	-4.21	1.31	0.10	-1.88e-03	0.16	4.39
263	131	2.28	0.0	-7.78e-04	-2.88	0.0	0.79	2.86	-0.14	-1.54e-03	0.0	0.0
		0.0	-0.22	4.57e-03	0.0	160.0	0.79	-0.01	-0.14	-1.54e-03	-0.22	2.28
263	134	0.0	0.22	-1.12e-04	-2.88	0.0	-3.00	-0.61	0.14	-4.78e-04	0.0	0.0
		-3.28	0.0	-4.62e-03	0.0	160.0	-3.00	-3.49	0.14	-4.78e-04	0.22	-3.28
264	2	2.67	1.02e-03	-7.91e-04	-8.49	0.0	-14.44	5.40	-1.63e-04	6.36e-04	1.02e-03	-0.99
		-0.99	6.76e-04	-5.14e-05	0.0	213.3	-9.04	-3.09	-1.63e-04	6.36e-04	6.76e-04	1.48
264	3	0.40	3.07e-04	-1.72e-04	-1.54	0.0	-2.81	0.96	-6.56e-05	9.21e-05	3.07e-04	-0.24
		-0.24	1.67e-04	8.36e-06	0.0	213.3	-1.83	-0.59	-6.56e-05	9.21e-05	1.67e-04	0.16
264	9	0.38	2.76e-04	-1.90e-04	-1.54	0.0	-2.82	0.96	-5.76e-05	9.11e-05	2.76e-04	-0.26
		-0.26	1.54e-04	-8.47e-06	0.0	213.3	-1.84	-0.58	-5.76e-05	9.11e-05	1.54e-04	0.15
264	10	1.85	7.08e-04	-5.47e-04	-5.86	0.0	-9.96	3.73	-1.11e-04	4.50e-04	7.08e-04	-0.69
		-0.69	4.71e-04	-3.57e-05	0.0	213.3	-6.23	-2.13	-1.11e-04	4.50e-04	4.71e-04	1.02
264	13	0.39	2.07e-04	-2.00e-04	-1.54	0.0	-2.74	0.98	-3.44e-05	1.20e-04	2.07e-04	-0.28
		-0.28	1.33e-04	-1.28e-05	0.0	213.3	-1.76	-0.56	-3.44e-05	1.20e-04	1.33e-04	0.17
264	14	1.12	4.23e-04	-3.73e-04	-3.70	0.0	-6.32	2.37	-6.12e-05	3.00e-04	4.23e-04	-0.50
		-0.50	2.92e-04	-2.68e-05	0.0	213.3	-3.96	-1.33	-6.12e-05	3.00e-04	2.92e-04	0.61
264	17	0.39	2.07e-04	-2.00e-04	-1.54	0.0	-2.74	0.98	-3.44e-05	1.20e-04	2.07e-04	-0.28
		-0.28	1.33e-04	-1.28e-05	0.0	213.3	-1.76	-0.56	-3.44e-05	1.20e-04	1.33e-04	0.17
264	18	0.83	3.36e-04	-3.01e-04	-2.84	0.0	-4.89	1.82	-5.05e-05	2.28e-04	3.36e-04	-0.41
		-0.41	2.29e-04	-2.12e-05	0.0	213.3	-3.08	-1.02	-5.05e-05	2.28e-04	2.29e-04	0.44
264	28	8.15	0.20	-3.32e-03	-2.84	0.0	15.23	8.38	-0.18	0.03	0.20	-6.71
		-6.71	-0.15	8.71e-03	0.0	213.3	17.03	5.54	-0.18	0.03	-0.15	8.15
264	29	5.89	0.15	2.80e-03	-2.84	0.0	-25.00	-4.75	0.18	-0.03	-0.20	5.89
		-7.27	-0.20	-8.74e-03	0.0	213.3	-23.20	-7.59	0.18	-0.03	0.15	-7.27
264	36	5.96	0.61	-2.49e-03	-2.84	0.0	9.70	6.58	-0.56	0.13	0.61	-5.04
		-5.04	-0.57	0.03	0.0	213.3	11.50	3.74	-0.56	0.13	-0.57	5.96
264	37	4.22	0.57	1.97e-03	-2.84	0.0	-19.47	-2.94	0.56	-0.13	-0.61	4.22
		-5.08	-0.61	-0.03	0.0	213.3	-17.66	-5.78	0.56	-0.13	0.57	-5.08
264	60	6.16	0.13	-2.53e-03	-2.84	0.0	9.98	6.68	-0.11	0.02	0.13	-5.07
		-5.07	-0.09	4.73e-03	0.0	213.3	11.79	3.84	-0.11	0.02	-0.09	6.16
264	61	4.25	0.09	2.01e-03	-2.84	0.0	-19.76	-3.05	0.11	-0.02	-0.13	4.25
		-5.28	-0.13	-4.76e-03	0.0	213.3	-17.95	-5.89	0.11	-0.02	0.09	-5.28

264	76	4.39	0.39	-1.85e-03	-2.84	0.0	5.52	5.22	-0.36	0.09	0.39	-3.72
		-3.72	-0.36	0.02	0.0	213.3	7.32	2.38	-0.36	0.09	-0.36	4.39
264	77	2.90	0.36	1.33e-03	-2.84	0.0	-15.29	-1.59	0.36	-0.09	-0.39	2.90
		-3.51	-0.39	-0.02	0.0	213.3	-13.48	-4.42	0.36	-0.09	0.36	-3.51
264	92	5.50	0.11	-2.27e-03	-2.84	0.0	8.28	6.13	-0.10	0.02	0.11	-4.54
		-4.54	-0.08	4.05e-03	0.0	213.3	10.09	3.29	-0.10	0.02	-0.08	5.50
264	93	3.72	0.08	1.75e-03	-2.84	0.0	-18.06	-2.49	0.10	-0.01	-0.11	3.72
		-4.63	-0.11	-4.08e-03	0.0	213.3	-16.25	-5.33	0.10	-0.01	0.08	-4.63
264	108	3.93	0.34	-1.67e-03	-2.84	0.0	4.31	4.83	-0.31	0.07	0.34	-3.34
		-3.34	-0.31	0.02	0.0	213.3	6.12	1.99	-0.31	0.07	-0.31	3.93
264	109	2.52	0.31	1.15e-03	-2.84	0.0	-14.09	-1.19	0.31	-0.07	-0.34	2.52
		-3.05	-0.34	-0.02	0.0	213.3	-12.28	-4.03	0.31	-0.07	0.31	-3.05
264	124	9.72	0.26	-3.95e-03	-2.84	0.0	19.37	9.73	-0.23	0.04	0.26	-8.01
		-8.01	-0.19	0.01	0.0	213.3	21.18	6.89	-0.23	0.04	-0.19	9.72
264	125	7.19	0.19	3.43e-03	-2.84	0.0	-29.14	-6.09	0.23	-0.04	-0.26	7.19
		-8.84	-0.26	-0.01	0.0	213.3	-27.34	-8.93	0.23	-0.04	0.19	-8.84
264	132	7.10	0.78	-2.94e-03	-2.84	0.0	12.71	7.56	-0.71	0.17	0.78	-6.00
		-6.00	-0.72	0.04	0.0	213.3	14.52	4.72	-0.71	0.17	-0.72	7.10
264	133	5.18	0.72	2.43e-03	-2.84	0.0	-22.49	-3.92	0.71	-0.17	-0.78	5.18
		-6.22	-0.78	-0.04	0.0	213.3	-20.68	-6.76	0.71	-0.17	0.72	-6.22
265	2	2.01	2.29e-04	1.41e-03	-6.60	0.0	-9.28	2.25	-1.63e-04	9.00e-04	2.29e-04	1.48
		0.0	0.0	1.95e-04	0.0	140.0	-9.28	-4.35	-1.63e-04	9.00e-04	0.0	0.0
265	3	0.30	9.18e-05	1.43e-04	-1.20	0.0	-1.86	0.49	-6.56e-05	1.68e-04	9.18e-05	0.16
		0.0	0.0	5.66e-05	0.0	140.0	-1.86	-0.71	-6.56e-05	1.68e-04	0.0	0.0
265	5	0.34	1.49e-04	1.14e-04	-1.56	0.0	-2.56	0.69	-1.06e-04	1.76e-04	1.49e-04	0.13
		0.0	0.0	8.41e-05	0.0	140.0	-2.56	-0.87	-1.06e-04	1.76e-04	0.0	0.0
265	9	0.29	8.06e-05	1.16e-04	-1.20	0.0	-1.86	0.50	-5.76e-05	1.59e-04	8.06e-05	0.15
		0.0	0.0	5.03e-05	0.0	140.0	-1.86	-0.70	-5.76e-05	1.59e-04	0.0	0.0
265	10	1.39	1.56e-04	9.75e-04	-4.56	0.0	-6.40	1.55	-1.11e-04	6.33e-04	1.56e-04	1.02
		0.0	0.0	1.34e-04	0.0	140.0	-6.40	-3.01	-1.11e-04	6.33e-04	0.0	0.0
265	11	0.28	1.02e-04	1.12e-04	-1.20	0.0	-1.91	0.51	-7.30e-05	1.50e-04	1.02e-04	0.13
		0.0	0.0	6.01e-05	0.0	140.0	-1.91	-0.69	-7.30e-05	1.50e-04	0.0	0.0
265	13	0.31	4.81e-05	1.22e-04	-1.20	0.0	-1.79	0.48	-3.44e-05	1.73e-04	4.81e-05	0.17
		0.0	0.0	3.55e-05	0.0	140.0	-1.79	-0.73	-3.44e-05	1.73e-04	0.0	0.0
265	14	0.86	8.56e-05	5.51e-04	-2.88	0.0	-4.06	1.00	-6.12e-05	4.10e-04	8.56e-05	0.61
		0.0	0.0	7.75e-05	0.0	140.0	-4.06	-1.88	-6.12e-05	4.10e-04	0.0	0.0
265	15	0.30	5.90e-05	1.20e-04	-1.20	0.0	-1.81	0.48	-4.21e-05	1.68e-04	5.90e-05	0.17
		0.0	0.0	4.05e-05	0.0	140.0	-1.81	-0.72	-4.21e-05	1.68e-04	0.0	0.0
265	17	0.31	4.81e-05	1.22e-04	-1.20	0.0	-1.79	0.48	-3.44e-05	1.73e-04	4.81e-05	0.17
		0.0	0.0	3.55e-05	0.0	140.0	-1.79	-0.73	-3.44e-05	1.73e-04	0.0	0.0
265	18	0.64	7.06e-05	3.80e-04	-2.21	0.0	-3.15	0.79	-5.05e-05	3.15e-04	7.06e-05	0.44
		0.0	0.0	6.07e-05	0.0	140.0	-3.15	-1.42	-5.05e-05	3.15e-04	0.0	0.0
265	28	8.15	0.0	1.88e-03	-2.21	0.0	16.98	-4.71	0.10	-0.06	-0.15	8.15
		0.0	-0.15	-7.54e-03	0.0	140.0	16.98	-6.92	0.10	-0.06	0.0	0.0
265	29	0.0	0.15	-1.12e-03	-2.21	0.0	-23.27	6.30	-0.10	0.07	0.15	-7.27
		-7.27	0.0	7.66e-03	0.0	140.0	-23.27	4.09	-0.10	0.07	0.0	0.0
265	35	0.0	0.56	-1.36e-04	-2.21	0.0	-10.74	2.80	-0.40	0.19	0.56	-2.37
		-2.37	0.0	0.03	0.0	140.0	-10.74	0.59	-0.40	0.19	0.0	0.0
265	38	3.25	0.0	8.95e-04	-2.21	0.0	4.45	-1.22	0.40	-0.19	-0.56	3.25
		0.0	-0.56	-0.03	0.0	140.0	4.45	-3.43	0.40	-0.19	0.0	0.0
265	60	6.16	0.0	1.50e-03	-2.21	0.0	11.71	-3.29	0.06	-0.04	-0.08	6.16
		0.0	-0.08	-3.97e-03	0.0	140.0	11.71	-5.50	0.06	-0.04	0.0	0.0
265	61	0.0	0.08	-7.37e-04	-2.21	0.0	-18.00	4.87	-0.06	0.04	0.08	-5.28
		-5.28	0.0	4.09e-03	0.0	140.0	-18.00	2.67	-0.06	0.04	0.0	0.0
265	75	0.0	0.36	-1.91e-04	-2.21	0.0	-8.38	2.17	-0.26	0.12	0.36	-1.49
		-1.49	0.0	0.02	0.0	140.0	-8.38	-0.04	-0.26	0.12	0.0	0.0
265	78	2.37	0.0	9.50e-04	-2.21	0.0	2.08	-0.59	0.26	-0.12	-0.36	2.37
		0.0	-0.36	-0.02	0.0	140.0	2.08	-2.80	0.26	-0.12	0.0	0.0
265	92	5.50	0.0	1.37e-03	-2.21	0.0	10.01	-2.83	0.05	-0.03	-0.07	5.50
		0.0	-0.07	-3.37e-03	0.0	140.0	10.01	-5.04	0.05	-0.03	0.0	0.0
265	93	0.0	0.07	-6.10e-04	-2.21	0.0	-16.30	4.41	-0.05	0.04	0.07	-4.63
		-4.63	0.0	3.49e-03	0.0	140.0	-16.30	2.20	-0.05	0.04	0.0	0.0
265	107	0.01	0.31	-1.24e-04	-2.21	0.0	-7.77	2.01	-0.22	0.11	0.31	-1.27
		-1.27	0.0	0.02	0.0	140.0	-7.77	-0.20	-0.22	0.11	0.0	0.0
265	110	2.15	0.0	8.83e-04	-2.21	0.0	1.48	-0.43	0.22	-0.11	-0.31	2.15
		0.0	-0.31	-0.02	0.0	140.0	1.48	-2.64	0.22	-0.11	0.0	0.0
265	124	9.72	0.0	2.18e-03	-2.21	0.0	21.13	-5.84	0.13	-0.08	-0.19	9.72
		0.0	-0.19	-9.88e-03	0.0	140.0	21.13	-8.05	0.13	-0.08	0.0	0.0
265	125	0.0	0.19	-1.42e-03	-2.21	0.0	-27.43	7.42	-0.13	0.08	0.19	-8.84
		-8.84	0.0	0.01	0.0	140.0	-27.43	5.21	-0.13	0.08	0.0	0.0
265	131	0.0	0.72	-2.47e-04	-2.21	0.0	-12.35	3.23	-0.51	0.24	0.72	-2.97
		-2.97	0.0	0.04	0.0	140.0	-12.35	1.02	-0.51	0.24	0.0	0.0
265	134	3.85	0.0	1.01e-03	-2.21	0.0	6.05	-1.64	0.51	-0.24	-0.72	3.85
		0.0	-0.72	-0.04	0.0	140.0	6.05	-3.85	0.51	-0.24	0.0	0.0
266	2	2.81	-5.79e-03	1.07e-03	-6.60	0.0	-3.45	0.94	-0.02	-1.36e-03	-5.79e-03	2.71

		-0.60	-0.03	4.78e-04	0.0	140.0	-3.45	-5.67	-0.02	-1.36e-03	-0.03	-0.60
266	3	0.47	-1.04e-03	1.29e-04	-1.20	0.0	-0.70	0.22	-3.44e-03	-9.56e-04	-1.04e-03	0.44
		-0.09	-5.85e-03	1.23e-04	0.0	140.0	-0.70	-0.98	-3.44e-03	-9.56e-04	-5.85e-03	-0.09
266	7	0.47	-1.08e-03	1.31e-04	-1.20	0.0	-0.69	0.22	-3.55e-03	-9.94e-04	-1.08e-03	0.44
		-0.09	-6.06e-03	1.30e-04	0.0	140.0	-0.69	-0.98	-3.55e-03	-9.94e-04	-6.06e-03	-0.09
266	9	0.46	-9.83e-04	1.18e-04	-1.20	0.0	-0.73	0.24	-3.43e-03	-1.17e-03	-9.83e-04	0.43
		-0.08	-5.78e-03	1.25e-04	0.0	140.0	-0.73	-0.97	-3.43e-03	-1.17e-03	-5.78e-03	-0.08
266	10	1.94	-4.01e-03	7.33e-04	-4.56	0.0	-2.39	0.65	-0.01	-9.01e-04	-4.01e-03	1.87
		-0.41	-0.02	3.30e-04	0.0	140.0	-2.39	-3.91	-0.01	-9.01e-04	-0.02	-0.41
266	11	0.46	-1.01e-03	1.19e-04	-1.20	0.0	-0.72	0.23	-3.51e-03	-1.20e-03	-1.01e-03	0.43
		-0.08	-5.92e-03	1.31e-04	0.0	140.0	-0.72	-0.97	-3.51e-03	-1.20e-03	-5.92e-03	-0.08
266	13	0.46	-9.43e-04	1.16e-04	-1.20	0.0	-0.74	0.24	-3.31e-03	-1.13e-03	-9.43e-04	0.42
		-0.08	-5.58e-03	1.18e-04	0.0	140.0	-0.74	-0.96	-3.31e-03	-1.13e-03	-5.58e-03	-0.08
266	14	1.19	-2.46e-03	4.24e-04	-2.88	0.0	-1.57	0.45	-7.23e-03	-9.99e-04	-2.46e-03	1.15
		-0.25	-0.01	2.20e-04	0.0	140.0	-1.57	-2.43	-7.23e-03	-9.99e-04	-0.01	-0.25
266	15	0.46	-9.56e-04	1.17e-04	-1.20	0.0	-0.73	0.24	-3.35e-03	-1.15e-03	-9.56e-04	0.42
		-0.08	-5.65e-03	1.20e-04	0.0	140.0	-0.73	-0.96	-3.35e-03	-1.15e-03	-5.65e-03	-0.08
266	17	0.46	-9.43e-04	1.16e-04	-1.20	0.0	-0.74	0.24	-3.31e-03	-1.13e-03	-9.43e-04	0.42
		-0.08	-5.58e-03	1.18e-04	0.0	140.0	-0.74	-0.96	-3.31e-03	-1.13e-03	-5.58e-03	-0.08
266	18	0.90	-1.85e-03	3.01e-04	-2.21	0.0	-1.24	0.36	-5.66e-03	-1.05e-03	-1.85e-03	0.86
		-0.18	-9.78e-03	1.79e-04	0.0	140.0	-1.24	-1.85	-5.66e-03	-1.05e-03	-9.78e-03	-0.18
266	28	4.47	-0.03	1.17e-03	-2.21	0.0	8.59	-2.89	-0.02	-0.12	-0.41	4.47
		-1.12	-0.41	-0.02	0.0	140.0	8.59	-5.09	-0.02	-0.12	-0.03	-1.12
266	29	0.76	0.40	-5.64e-04	-2.21	0.0	-11.06	3.61	0.01	0.12	0.40	-2.76
		-2.76	0.01	0.02	0.0	140.0	-11.06	1.40	0.01	0.12	0.01	0.76
266	39	0.28	0.61	-1.75e-04	-2.21	0.0	-5.74	1.83	-1.28	0.19	0.61	-0.78
		-0.78	-1.06	0.03	0.0	140.0	-5.74	-0.38	-1.28	0.19	-1.06	0.24
266	42	2.49	1.04	7.77e-04	-2.21	0.0	3.27	-1.10	1.26	-0.19	-0.61	2.49
		-0.60	-0.61	-0.03	0.0	140.0	3.27	-3.31	1.26	-0.19	1.04	-0.60
266	60	3.53	-0.02	9.41e-04	-2.21	0.0	6.04	-2.04	-4.51e-03	-0.10	-0.32	3.53
		-0.87	-0.32	-0.01	0.0	140.0	6.04	-4.25	-4.51e-03	-0.10	-0.02	-0.87
266	61	0.51	0.32	-3.39e-04	-2.21	0.0	-8.51	2.77	-6.82e-03	0.09	0.32	-1.82
		-1.82	-4.33e-03	0.01	0.0	140.0	-8.51	0.56	-6.82e-03	0.09	-4.33e-03	0.51
266	71	0.31	0.49	-5.88e-05	-2.21	0.0	-4.64	1.47	-1.03	0.15	0.49	-0.38
		-0.38	-0.85	0.02	0.0	140.0	-4.64	-0.74	-1.03	0.15	-0.85	0.13
266	74	2.09	0.83	6.58e-04	-2.21	0.0	2.17	-0.75	1.02	-0.15	-0.50	2.09
		-0.50	-0.50	-0.02	0.0	140.0	2.17	-2.95	1.02	-0.15	0.83	-0.50
266	92	3.22	-0.01	8.68e-04	-2.21	0.0	5.20	-1.77	-3.89e-03	-0.09	-0.29	3.22
		-0.79	-0.29	-0.01	0.0	140.0	5.20	-3.97	-3.89e-03	-0.09	-0.01	-0.79
266	93	0.43	0.28	-2.66e-04	-2.21	0.0	-7.68	2.49	-7.43e-03	0.08	0.28	-1.51
		-1.51	-5.64e-03	0.01	0.0	140.0	-7.68	0.28	-7.43e-03	0.08	-5.64e-03	0.43
266	103	0.33	0.44	-3.29e-05	-2.21	0.0	-4.26	1.35	-0.92	0.14	0.44	-0.24
		-0.24	-0.76	0.02	0.0	140.0	-4.26	-0.86	-0.92	0.14	-0.76	0.10
266	106	1.95	0.74	6.18e-04	-2.21	0.0	1.79	-0.62	0.91	-0.14	-0.44	1.95
		-0.46	-0.44	-0.02	0.0	140.0	1.79	-2.83	0.91	-0.14	0.74	-0.46
266	124	5.23	-0.05	1.35e-03	-2.21	0.0	10.65	-3.57	-0.04	-0.14	-0.48	5.23
		-1.31	-0.48	-0.02	0.0	140.0	10.65	-5.77	-0.04	-0.14	-0.05	-1.31
266	125	0.95	0.48	-7.45e-04	-2.21	0.0	-13.12	4.29	0.03	0.14	0.48	-3.51
		-3.51	0.03	0.02	0.0	140.0	-13.12	2.08	0.03	0.14	0.03	0.95
266	135	0.32	0.71	-2.73e-04	-2.21	0.0	-6.67	2.13	-1.50	0.22	0.71	-1.12
		-1.12	-1.24	0.03	0.0	140.0	-6.67	-0.08	-1.50	0.22	-1.24	0.32
266	138	2.83	1.22	8.75e-04	-2.21	0.0	4.20	-1.41	1.48	-0.22	-0.71	2.83
		-0.68	-0.71	-0.03	0.0	140.0	4.20	-3.62	1.48	-0.22	1.22	-0.68
268	2	2.95	-3.47e-04	-4.17e-03	-8.49	0.0	-18.87	7.21	4.62e-03	3.67e-03	-0.01	-3.57
		-3.57	-0.01	-2.48e-04	0.0	213.3	-13.47	-1.28	4.62e-03	3.67e-03	-3.47e-04	2.75
268	3	0.49	-8.52e-05	-7.77e-04	-1.54	0.0	-3.54	1.27	8.84e-04	7.42e-04	-1.97e-03	-0.62
		-0.62	-1.97e-03	-7.90e-05	0.0	213.3	-2.56	-0.28	8.84e-04	7.42e-04	-8.52e-05	0.43
268	9	0.48	-7.56e-05	-7.91e-04	-1.54	0.0	-3.53	1.28	8.91e-04	7.23e-04	-1.98e-03	-0.64
		-0.64	-1.98e-03	-6.41e-05	0.0	213.3	-2.55	-0.27	8.91e-04	7.23e-04	-7.56e-05	0.43
268	10	2.04	-2.32e-04	-2.88e-03	-5.86	0.0	-13.03	4.98	3.19e-03	2.54e-03	-7.04e-03	-2.47
		-2.47	-7.04e-03	-1.69e-04	0.0	213.3	-9.31	-0.88	3.19e-03	2.54e-03	-2.32e-04	1.91
268	13	0.49	-4.07e-05	-8.04e-04	-1.54	0.0	-3.48	1.30	8.79e-04	6.92e-04	-1.92e-03	-0.67
		-0.67	-1.92e-03	-3.20e-05	0.0	213.3	-2.50	-0.24	8.79e-04	6.92e-04	-4.07e-05	0.45
268	14	1.27	-1.19e-04	-1.85e-03	-3.70	0.0	-8.23	3.15	2.03e-03	1.60e-03	-4.45e-03	-1.58
		-1.58	-4.45e-03	-8.44e-05	0.0	213.3	-5.88	-0.55	2.03e-03	1.60e-03	-1.19e-04	1.19
268	17	0.49	-4.07e-05	-8.04e-04	-1.54	0.0	-3.48	1.30	8.79e-04	6.92e-04	-1.92e-03	-0.67
		-0.67	-1.92e-03	-3.20e-05	0.0	213.3	-2.50	-0.24	8.79e-04	6.92e-04	-4.07e-05	0.45
268	18	0.96	-8.75e-05	-1.43e-03	-2.84	0.0	-6.33	2.41	1.57e-03	1.24e-03	-3.43e-03	-1.22
		-1.22	-3.43e-03	-6.34e-05	0.0	213.3	-4.53	-0.43	1.57e-03	1.24e-03	-8.75e-05	0.89
268	28	6.02	0.41	-4.79e-03	-2.84	0.0	3.68	7.24	-0.03	0.02	0.41	-6.40
		-6.40	-0.04	-9.44e-03	0.0	213.3	5.48	4.40	-0.03	0.02	-0.04	6.02
268	29	3.96	0.04	1.93e-03	-2.84	0.0	-16.34	-2.42	0.03	-0.02	-0.41	3.96
		-4.23	-0.41	9.54e-03	0.0	213.3	-14.54	-5.26	0.03	-0.02	0.04	-4.23
268	36	4.79	0.79	-4.17e-03	-2.84	0.0	1.34	6.08	-0.63	0.15	0.79	-5.16
		-5.16	-0.49	0.03	0.0	213.3	3.15	3.24	-0.63	0.15	-0.49	4.79

268	37	2.72	0.49	1.31e-03	-2.84	0.0	-14.01	-1.26	0.64	-0.15	-0.80	2.72
		-3.00	-0.80	-0.03	0.0	213.3	-12.20	-4.10	0.64	-0.15	0.49	-3.00
268	60	4.67	0.28	-3.90e-03	-2.84	0.0	1.01	5.96	-6.33e-03	0.01	0.28	-5.02
		-5.02	-0.02	-7.53e-03	0.0	213.3	2.82	3.12	-6.33e-03	0.01	-0.02	4.67
268	61	2.58	0.02	1.04e-03	-2.84	0.0	-13.68	-1.14	9.47e-03	-7.53e-03	-0.28	2.58
		-2.88	-0.28	7.62e-03	0.0	213.3	-11.87	-3.98	9.47e-03	-7.53e-03	0.02	-2.88
268	68	3.78	0.51	-3.46e-03	-2.84	0.0	-0.65	5.13	-0.41	0.09	0.51	-4.13
		-4.13	-0.31	0.02	0.0	213.3	1.15	2.29	-0.41	0.09	-0.31	3.78
268	69	1.69	0.31	5.98e-04	-2.84	0.0	-12.01	-0.31	0.41	-0.09	-0.52	1.69
		-1.99	-0.52	-0.02	0.0	213.3	-10.21	-3.14	0.41	-0.09	0.31	-1.99
268	92	4.24	0.24	-3.61e-03	-2.84	0.0	0.17	5.55	-4.14e-03	8.61e-03	0.24	-4.58
		-4.58	-0.01	-6.71e-03	0.0	213.3	1.97	2.71	-4.14e-03	8.61e-03	-0.01	4.24
268	93	2.14	0.01	7.54e-04	-2.84	0.0	-12.83	-0.73	7.28e-03	-6.14e-03	-0.25	2.14
		-2.45	-0.25	6.80e-03	0.0	213.3	-11.03	-3.57	7.28e-03	-6.14e-03	0.01	-2.45
268	100	3.45	0.45	-3.23e-03	-2.84	0.0	-1.30	4.82	-0.36	0.08	0.45	-3.80
		-3.80	-0.27	0.01	0.0	213.3	0.50	1.98	-0.36	0.08	-0.27	3.45
268	101	1.36	0.27	3.66e-04	-2.84	0.0	-11.36	5.71e-03	0.36	-0.08	-0.45	1.36
		-1.66	-0.45	-0.01	0.0	213.3	-9.56	-2.83	0.36	-0.08	0.27	-1.66
268	124	7.09	0.50	-5.49e-03	-2.84	0.0	5.77	8.25	-0.05	0.03	0.50	-7.48
		-7.48	-0.06	-0.01	0.0	213.3	7.58	5.41	-0.05	0.03	-0.06	7.09
268	125	5.04	0.06	2.63e-03	-2.84	0.0	-18.44	-3.43	0.05	-0.02	-0.51	5.04
		-5.30	-0.51	0.01	0.0	213.3	-16.64	-6.27	0.05	-0.02	0.06	-5.30
268	132	5.59	0.99	-4.74e-03	-2.84	0.0	2.93	6.84	-0.80	0.19	0.99	-5.97
		-5.97	-0.62	0.04	0.0	213.3	4.74	4.00	-0.80	0.19	-0.62	5.59
268	133	3.53	0.62	1.88e-03	-2.84	0.0	-15.60	-2.02	0.80	-0.19	-1.00	3.53
		-3.81	-1.00	-0.04	0.0	213.3	-13.79	-4.86	0.80	-0.19	0.62	-3.81
269	2	0.39	0.02	-4.01e-04	-7.54	0.0	-7.70	1.92	0.01	-0.03	0.0	0.0
		-2.96	0.0	-3.34e-04	0.0	160.0	-7.70	-5.62	0.01	-0.03	0.02	-2.96
269	3	0.08	4.11e-03	-9.17e-05	-1.37	0.0	-1.43	0.36	2.57e-03	-5.51e-03	0.0	0.0
		-0.52	0.0	-1.14e-04	0.0	160.0	-1.43	-1.01	2.57e-03	-5.51e-03	4.11e-03	-0.52
269	9	0.07	3.84e-03	-8.11e-05	-1.37	0.0	-1.41	0.35	2.40e-03	-5.58e-03	0.0	0.0
		-0.53	0.0	-8.89e-05	0.0	160.0	-1.41	-1.02	2.40e-03	-5.58e-03	3.84e-03	-0.53
269	10	0.27	0.01	-2.79e-04	-5.21	0.0	-5.32	1.33	8.47e-03	-0.02	0.0	0.0
		-2.04	0.0	-2.28e-04	0.0	160.0	-5.32	-3.88	8.47e-03	-0.02	0.01	-2.04
269	13	0.07	3.28e-03	-6.73e-05	-1.37	0.0	-1.39	0.35	2.05e-03	-5.66e-03	0.0	0.0
		-0.54	0.0	-4.28e-05	0.0	160.0	-1.39	-1.03	2.05e-03	-5.66e-03	3.28e-03	-0.54
269	14	0.17	8.14e-03	-1.66e-04	-3.29	0.0	-3.35	0.84	5.09e-03	-0.01	0.0	0.0
		-1.30	0.0	-1.13e-04	0.0	160.0	-3.35	-2.46	5.09e-03	-0.01	8.14e-03	-1.30
269	17	0.07	3.28e-03	-6.73e-05	-1.37	0.0	-1.39	0.35	2.05e-03	-5.66e-03	0.0	0.0
		-0.54	0.0	-4.28e-05	0.0	160.0	-1.39	-1.03	2.05e-03	-5.66e-03	3.28e-03	-0.54
269	18	0.13	6.20e-03	-1.27e-04	-2.52	0.0	-2.57	0.64	3.87e-03	-0.01	0.0	0.0
		-0.99	0.0	-8.49e-05	0.0	160.0	-2.57	-1.88	3.87e-03	-0.01	6.20e-03	-0.99
269	28	0.0	0.06	6.20e-04	-2.52	0.0	4.22	-2.31	0.04	-0.02	0.0	0.0
		-5.71	0.0	5.88e-03	0.0	160.0	4.22	-4.83	0.04	-0.02	0.06	-5.71
269	29	3.72	0.0	-7.91e-04	-2.52	0.0	-9.35	3.59	-0.03	-3.97e-03	0.0	0.0
		0.0	-0.05	-5.90e-03	0.0	160.0	-9.35	1.07	-0.03	-3.97e-03	-0.05	3.72
269	35	1.29	0.14	8.70e-04	-2.52	0.0	-5.80	2.01	0.08	-0.02	0.0	0.0
		0.0	0.0	-4.51e-03	0.0	160.0	-5.80	-0.51	0.08	-0.02	0.14	1.20
269	38	0.0	0.0	-1.12e-03	-2.52	0.0	0.66	-0.73	-0.08	-2.71e-03	0.0	0.0
		-3.19	-0.12	4.38e-03	0.0	160.0	0.66	-3.26	-0.08	-2.71e-03	-0.12	-3.19
269	60	0.0	0.05	4.29e-04	-2.52	0.0	2.44	-1.53	0.03	-0.01	0.0	0.0
		-4.47	0.0	4.29e-03	0.0	160.0	2.44	-4.06	0.03	-0.01	0.05	-4.47
269	61	2.49	0.0	-6.00e-04	-2.52	0.0	-7.57	2.82	-0.02	-5.66e-03	0.0	0.0
		0.0	-0.04	-4.32e-03	0.0	160.0	-7.57	0.29	-0.02	-5.66e-03	-0.04	2.49
269	67	0.89	0.10	6.04e-04	-2.52	0.0	-5.00	1.67	0.06	-0.02	0.0	0.0
		0.0	0.0	-3.29e-03	0.0	160.0	-5.00	-0.85	0.06	-0.02	0.10	0.66
269	70	0.0	0.0	-8.57e-04	-2.52	0.0	-0.13	-0.39	-0.06	-4.70e-03	0.0	0.0
		-2.65	-0.09	3.16e-03	0.0	160.0	-0.13	-2.92	-0.06	-4.70e-03	-0.09	-2.65
269	92	0.0	0.04	3.70e-04	-2.52	0.0	1.87	-1.29	0.03	-0.01	0.0	0.0
		-4.08	0.0	3.79e-03	0.0	160.0	1.87	-3.81	0.03	-0.01	0.04	-4.08
269	93	2.09	0.0	-5.41e-04	-2.52	0.0	-7.00	2.57	-0.02	-6.20e-03	0.0	0.0
		0.0	-0.03	-3.82e-03	0.0	160.0	-7.00	0.04	-0.02	-6.20e-03	-0.03	2.09
269	99	0.77	0.09	5.20e-04	-2.52	0.0	-4.72	1.56	0.06	-0.02	0.0	0.0
		0.0	0.0	-2.92e-03	0.0	160.0	-4.72	-0.97	0.06	-0.02	0.09	0.47
269	102	0.0	0.0	-7.73e-04	-2.52	0.0	-0.41	-0.28	-0.05	-5.35e-03	0.0	0.0
		-2.46	-0.08	2.79e-03	0.0	160.0	-0.41	-2.80	-0.05	-5.35e-03	-0.08	-2.46
269	124	0.0	0.07	7.68e-04	-2.52	0.0	5.64	-2.93	0.05	-0.02	0.0	0.0
		-6.70	0.0	7.06e-03	0.0	160.0	5.64	-5.45	0.05	-0.02	0.07	-6.70
269	125	4.71	0.0	-9.40e-04	-2.52	0.0	-10.77	4.21	-0.04	-2.65e-03	0.0	0.0
		0.0	-0.06	-7.08e-03	0.0	160.0	-10.77	1.68	-0.04	-2.65e-03	-0.06	4.71
269	131	1.68	0.16	1.08e-03	-2.52	0.0	-6.47	2.30	0.10	-0.02	0.0	0.0
		0.0	0.0	-5.45e-03	0.0	160.0	-6.47	-0.22	0.10	-0.02	0.16	1.66
269	134	0.0	0.0	-1.33e-03	-2.52	0.0	1.34	-1.02	-0.09	-1.13e-03	0.0	0.0
		-3.65	-0.15	5.32e-03	0.0	160.0	1.34	-3.54	-0.09	-1.13e-03	-0.15	-3.65
270	1	0.08	5.50e-03	-6.07e-04	-1.99	0.0	-0.56	0.45	3.44e-03	-1.17e-03	0.0	0.0

		-0.88	0.0	-1.30e-04	0.0	160.0	-0.56	-1.54	3.44e-03	-1.17e-03	5.50e-03	-0.88
270	2	0.37	0.02	-2.50e-03	-8.71	0.0	-2.12	2.02	0.01	-4.77e-03	0.0	0.0
		-3.74	0.0	-3.43e-04	0.0	160.0	-2.12	-6.69	0.01	-4.77e-03	0.02	-3.74
270	3	0.07	4.40e-03	-4.71e-04	-1.53	0.0	-0.43	0.36	2.75e-03	-8.50e-04	0.0	0.0
		-0.65	0.0	-1.17e-04	0.0	160.0	-0.43	-1.18	2.75e-03	-8.50e-04	4.40e-03	-0.65
270	9	0.06	4.12e-03	-4.67e-04	-1.53	0.0	-0.43	0.34	2.57e-03	-9.00e-04	0.0	0.0
		-0.67	0.0	-9.23e-05	0.0	160.0	-0.43	-1.19	2.57e-03	-9.00e-04	4.12e-03	-0.67
270	10	0.26	0.01	-1.73e-03	-6.01	0.0	-1.46	1.39	8.80e-03	-3.30e-03	0.0	0.0
		-2.58	0.0	-2.35e-04	0.0	160.0	-1.46	-4.62	8.80e-03	-3.30e-03	0.01	-2.58
270	13	0.06	3.50e-03	-4.60e-04	-1.53	0.0	-0.41	0.33	2.19e-03	-9.64e-04	0.0	0.0
		-0.70	0.0	-4.57e-05	0.0	160.0	-0.41	-1.20	2.19e-03	-9.64e-04	3.50e-03	-0.70
270	14	0.15	8.48e-03	-1.09e-03	-3.77	0.0	-0.93	0.85	5.30e-03	-2.16e-03	0.0	0.0
		-1.66	0.0	-1.17e-04	0.0	160.0	-0.93	-2.92	5.30e-03	-2.16e-03	8.48e-03	-1.66
270	17	0.06	3.50e-03	-4.60e-04	-1.53	0.0	-0.41	0.33	2.19e-03	-9.64e-04	0.0	0.0
		-0.70	0.0	-4.57e-05	0.0	160.0	-0.41	-1.20	2.19e-03	-9.64e-04	3.50e-03	-0.70
270	18	0.11	6.49e-03	-8.40e-04	-2.88	0.0	-0.72	0.64	4.06e-03	-1.68e-03	0.0	0.0
		-1.27	0.0	-8.86e-05	0.0	160.0	-0.72	-2.23	4.06e-03	-1.68e-03	6.49e-03	-1.27
270	28	0.0	0.0	-7.07e-04	-2.88	0.0	3.50	-2.52	-0.06	-5.16e-03	0.0	0.0
		-6.34	-0.10	5.89e-03	0.0	160.0	3.50	-5.40	-0.06	-5.16e-03	-0.10	-6.34
270	29	3.79	0.11	-9.93e-04	-2.88	0.0	-4.94	3.81	0.07	1.79e-03	0.0	0.0
		0.0	0.0	-5.96e-03	0.0	160.0	-4.94	0.93	0.07	1.79e-03	0.11	3.79
270	36	0.0	0.0	-9.14e-04	-2.88	0.0	2.44	-1.77	-0.07	2.96e-04	0.0	0.0
		-5.13	-0.12	7.30e-03	0.0	160.0	2.44	-4.65	-0.07	2.96e-04	-0.12	-5.13
270	37	2.58	0.13	-7.74e-04	-2.88	0.0	-3.89	3.05	0.08	-3.66e-03	0.0	0.0
		0.0	0.0	-7.36e-03	0.0	160.0	-3.89	0.18	0.08	-3.66e-03	0.13	2.58
270	60	0.0	0.0	-7.52e-04	-2.88	0.0	2.38	-1.68	-0.05	-4.20e-03	0.0	0.0
		-4.99	-0.07	4.30e-03	0.0	160.0	2.38	-4.56	-0.05	-4.20e-03	-0.07	-4.99
270	61	2.44	0.09	-9.28e-04	-2.88	0.0	-3.83	2.96	0.05	8.38e-04	0.0	0.0
		0.0	0.0	-4.37e-03	0.0	160.0	-3.83	0.09	0.05	8.38e-04	0.09	2.44
270	68	0.0	0.0	-8.96e-04	-2.88	0.0	1.62	-1.14	-0.05	-2.21e-04	0.0	0.0
		-4.13	-0.09	5.32e-03	0.0	160.0	1.62	-4.02	-0.05	-2.21e-04	-0.09	-4.13
270	69	1.63	0.10	-7.84e-04	-2.88	0.0	-3.06	2.42	0.06	-3.15e-03	0.0	0.0
		0.0	0.0	-5.38e-03	0.0	160.0	-3.06	-0.45	0.06	-3.15e-03	0.10	1.58
270	92	0.0	0.0	-7.63e-04	-2.88	0.0	2.03	-1.41	-0.04	-3.91e-03	0.0	0.0
		-4.56	-0.06	3.80e-03	0.0	160.0	2.03	-4.29	-0.04	-3.91e-03	-0.06	-4.56
270	93	2.02	0.08	-9.17e-04	-2.88	0.0	-3.47	2.70	0.05	5.44e-04	0.0	0.0
		0.0	0.0	-3.87e-03	0.0	160.0	-3.47	-0.18	0.05	5.44e-04	0.08	2.01
270	100	0.0	0.0	-8.90e-04	-2.88	0.0	1.35	-0.94	-0.05	-3.89e-04	0.0	0.0
		-3.80	-0.08	4.69e-03	0.0	160.0	1.35	-3.81	-0.05	-3.89e-04	-0.08	-3.80
270	101	1.37	0.09	-7.90e-04	-2.88	0.0	-2.79	2.22	0.06	-2.98e-03	0.0	0.0
		0.0	0.0	-4.76e-03	0.0	160.0	-2.79	-0.66	0.06	-2.98e-03	0.09	1.25
270	124	0.0	0.0	-6.75e-04	-2.88	0.0	4.37	-3.18	-0.08	-5.89e-03	0.0	0.0
		-7.40	-0.12	7.07e-03	0.0	160.0	4.37	-6.06	-0.08	-5.89e-03	-0.12	-7.40
270	125	4.85	0.13	-1.05e-03	-2.88	0.0	-5.82	4.47	0.08	2.52e-03	0.0	0.0
		0.0	0.0	-7.14e-03	0.0	160.0	-5.82	1.59	0.08	2.52e-03	0.13	4.85
270	132	0.0	0.0	-9.28e-04	-2.88	0.0	3.10	-2.27	-0.09	7.09e-04	0.0	0.0
		-5.93	-0.15	8.80e-03	0.0	160.0	3.10	-5.15	-0.09	7.09e-04	-0.15	-5.93
270	133	3.38	0.16	-7.86e-04	-2.88	0.0	-4.54	3.55	0.10	-4.08e-03	0.0	0.0
		0.0	0.0	-8.86e-03	0.0	160.0	-4.54	0.68	0.10	-4.08e-03	0.16	3.38
271	2	0.0	0.02	-2.52e-03	-8.71	0.0	5.24	-0.95	0.01	2.98e-03	0.0	0.0
		-8.49	0.0	-3.18e-04	0.0	160.0	5.24	-9.66	0.01	2.98e-03	0.02	-8.49
271	7	0.0	4.71e-03	-4.79e-04	-1.53	0.0	0.94	-0.18	2.94e-03	6.13e-04	0.0	0.0
		-1.51	0.0	-1.67e-04	0.0	160.0	0.94	-1.71	2.94e-03	6.13e-04	4.71e-03	-1.51
271	10	0.0	0.01	-1.74e-03	-6.01	0.0	3.62	-0.66	7.94e-03	2.06e-03	0.0	0.0
		-5.86	0.0	-2.17e-04	0.0	160.0	3.62	-6.67	7.94e-03	2.06e-03	0.01	-5.86
271	11	0.0	4.21e-03	-4.74e-04	-1.53	0.0	0.94	-0.18	2.63e-03	5.49e-04	0.0	0.0
		-1.52	0.0	-1.23e-04	0.0	160.0	0.94	-1.71	2.63e-03	5.49e-04	4.21e-03	-1.52
271	14	0.0	7.62e-03	-1.10e-03	-3.77	0.0	2.29	-0.43	4.76e-03	1.22e-03	0.0	0.0
		-3.70	0.0	-1.06e-04	0.0	160.0	2.29	-4.20	4.76e-03	1.22e-03	7.62e-03	-3.70
271	15	0.0	3.37e-03	-4.67e-04	-1.53	0.0	0.95	-0.19	2.11e-03	4.70e-04	0.0	0.0
		-1.53	0.0	-5.63e-05	0.0	160.0	0.95	-1.72	2.11e-03	4.70e-04	3.37e-03	-1.53
271	17	0.0	3.16e-03	-4.65e-04	-1.53	0.0	0.95	-0.19	1.98e-03	4.51e-04	0.0	0.0
		-1.53	0.0	-4.13e-05	0.0	160.0	0.95	-1.72	1.98e-03	4.51e-04	3.16e-03	-1.53
271	18	0.0	5.83e-03	-8.47e-04	-2.88	0.0	1.76	-0.33	3.65e-03	9.15e-04	0.0	0.0
		-2.83	0.0	-8.03e-05	0.0	160.0	1.76	-3.21	3.65e-03	9.15e-04	5.83e-03	-2.83
271	28	0.0	0.0	-7.65e-04	-2.88	0.0	4.50	-2.10	-0.06	-1.77e-03	0.0	0.0
		-5.66	-0.10	5.88e-03	0.0	160.0	4.50	-4.98	-0.06	-1.77e-03	-0.10	-5.66
271	29	0.57	0.11	-9.28e-04	-2.88	0.0	-0.98	1.43	0.07	3.60e-03	0.0	0.0
		-5.37e-03	0.0	-5.95e-03	0.0	160.0	-0.98	-1.44	0.07	3.60e-03	0.11	-5.37e-03
271	32	0.0	0.0	-7.68e-04	-2.88	0.0	4.50	-2.09	-0.05	-1.76e-03	0.0	0.0
		-5.65	-0.09	5.00e-03	0.0	160.0	4.50	-4.97	-0.05	-1.76e-03	-0.09	-5.65
271	33	0.56	0.10	-9.25e-04	-2.88	0.0	-0.99	1.42	0.06	3.59e-03	0.0	0.0
		-0.02	0.0	-5.07e-03	0.0	160.0	-0.99	-1.45	0.06	3.59e-03	0.10	-0.02
271	36	0.0	0.0	-8.92e-04	-2.88	0.0	3.66	-1.76	-0.07	2.39e-03	0.0	0.0
		-5.12	-0.12	7.31e-03	0.0	160.0	3.66	-4.64	-0.07	2.39e-03	-0.12	-5.12

271	37	0.33	0.13	-8.01e-04	-2.88	0.0	-0.15	1.09	0.08	-5.62e-04	0.0	0.0
		-0.55	0.0	-7.36e-03	0.0	160.0	-0.15	-1.78	0.08	-5.62e-04	0.13	-0.55
271	60	0.0	0.0	-7.96e-04	-2.88	0.0	3.83	-1.63	-0.05	-1.03e-03	0.0	0.0
		-4.91	-0.07	4.30e-03	0.0	160.0	3.83	-4.51	-0.05	-1.03e-03	-0.07	-4.91
271	61	0.26	0.08	-8.97e-04	-2.88	0.0	-0.31	0.97	0.05	2.86e-03	0.0	0.0
		-0.76	0.0	-4.36e-03	0.0	160.0	-0.31	-1.91	0.05	2.86e-03	0.08	-0.76
271	64	0.0	0.0	-7.98e-04	-2.88	0.0	3.83	-1.62	-0.04	-1.03e-03	0.0	0.0
		-4.90	-0.06	3.66e-03	0.0	160.0	3.83	-4.50	-0.04	-1.03e-03	-0.06	-4.90
271	65	0.25	0.07	-8.95e-04	-2.88	0.0	-0.31	0.96	0.05	2.86e-03	0.0	0.0
		-0.77	0.0	-3.72e-03	0.0	160.0	-0.31	-1.92	0.05	2.86e-03	0.07	-0.77
271	68	0.0	0.0	-8.82e-04	-2.88	0.0	3.17	-1.39	-0.05	2.00e-03	0.0	0.0
		-4.53	-0.09	5.32e-03	0.0	160.0	3.17	-4.27	-0.05	2.00e-03	-0.09	-4.53
271	69	0.15	0.10	-8.11e-04	-2.88	0.0	0.34	0.72	0.06	-1.71e-04	0.0	0.0
		-1.14	0.0	-5.37e-03	0.0	160.0	0.34	-2.15	0.06	-1.71e-04	0.10	-1.14
271	92	0.0	0.0	-8.03e-04	-2.88	0.0	3.59	-1.48	-0.04	-8.06e-04	0.0	0.0
		-4.68	-0.06	3.80e-03	0.0	160.0	3.59	-4.36	-0.04	-8.06e-04	-0.06	-4.68
271	93	0.18	0.07	-8.90e-04	-2.88	0.0	-0.08	0.82	0.05	2.63e-03	0.0	0.0
		-0.99	0.0	-3.86e-03	0.0	160.0	-0.08	-2.06	0.05	2.63e-03	0.07	-0.99
271	100	0.0	0.0	-8.78e-04	-2.88	0.0	3.01	-1.27	-0.05	1.88e-03	0.0	0.0
		-4.33	-0.08	4.70e-03	0.0	160.0	3.01	-4.15	-0.05	1.88e-03	-0.08	-4.33
271	101	0.10	0.09	-8.15e-04	-2.88	0.0	0.50	0.60	0.05	-4.63e-05	0.0	0.0
		-1.34	0.0	-4.75e-03	0.0	160.0	0.50	-2.27	0.05	-4.63e-05	0.09	-1.34
271	124	0.0	0.0	-7.44e-04	-2.88	0.0	5.04	-2.47	-0.07	-2.33e-03	0.0	0.0
		-6.26	-0.12	7.07e-03	0.0	160.0	5.04	-5.35	-0.07	-2.33e-03	-0.12	-6.26
271	125	0.91	0.13	-9.49e-04	-2.88	0.0	-1.52	1.80	0.08	4.16e-03	0.0	0.0
		0.0	0.0	-7.13e-03	0.0	160.0	-1.52	-1.07	0.08	4.16e-03	0.13	0.59
271	128	0.0	0.0	-7.47e-04	-2.88	0.0	5.04	-2.46	-0.06	-2.32e-03	0.0	0.0
		-6.24	-0.10	6.00e-03	0.0	160.0	5.04	-5.34	-0.06	-2.32e-03	-0.10	-6.24
271	129	0.89	0.12	-9.46e-04	-2.88	0.0	-1.53	1.79	0.07	4.15e-03	0.0	0.0
		0.0	0.0	-6.07e-03	0.0	160.0	-1.53	-1.08	0.07	4.15e-03	0.12	0.57
271	132	0.0	0.0	-9.01e-04	-2.88	0.0	4.05	-2.06	-0.09	2.70e-03	0.0	0.0
		-5.59	-0.15	8.80e-03	0.0	160.0	4.05	-4.93	-0.09	2.70e-03	-0.15	-5.59
271	133	0.54	0.16	-7.92e-04	-2.88	0.0	-0.53	1.39	0.10	-8.70e-04	0.0	0.0
		-0.08	0.0	-8.86e-03	0.0	160.0	-0.53	-1.49	0.10	-8.70e-04	0.16	-0.08
272	2	8.03	5.92e-04	-8.81e-03	-19.80	0.0	28.24	11.70	9.47e-04	-2.14e-03	-4.02e-03	-8.74
		-8.74	-4.02e-03	3.09e-04	0.0	486.5	16.67	-8.11	9.47e-04	-2.14e-03	5.92e-04	0.0
272	3	1.47	7.93e-05	-1.59e-03	-3.60	0.0	5.14	2.12	1.96e-04	-3.69e-04	-8.75e-04	-1.56
		-1.56	-8.75e-04	-2.27e-04	0.0	486.5	3.04	-1.48	1.96e-04	-3.69e-04	7.93e-05	0.0
272	9	1.47	6.70e-05	-1.59e-03	-3.60	0.0	5.14	2.12	1.80e-04	-3.28e-04	-8.08e-04	-1.57
		-1.57	-8.08e-04	-1.66e-04	0.0	486.5	3.04	-1.48	1.80e-04	-3.28e-04	6.70e-05	0.0
272	10	5.55	4.08e-04	-6.09e-03	-13.68	0.0	19.51	8.08	6.52e-04	-1.47e-03	-2.76e-03	-6.03
		-6.03	-2.76e-03	2.14e-04	0.0	486.5	11.52	-5.60	6.52e-04	-1.47e-03	4.08e-04	0.0
272	13	1.47	5.91e-05	-1.60e-03	-3.60	0.0	5.14	2.12	1.49e-04	-2.79e-04	-6.67e-04	-1.58
		-1.58	-6.67e-04	5.85e-05	0.0	486.5	3.04	-1.48	1.49e-04	-2.79e-04	5.91e-05	0.0
272	14	3.51	2.30e-04	-3.85e-03	-8.64	0.0	12.33	5.10	3.85e-04	-8.51e-04	-1.65e-03	-3.81
		-3.81	-1.65e-03	1.53e-04	0.0	486.5	7.27	-3.54	3.85e-04	-8.51e-04	2.30e-04	0.0
272	17	1.47	5.91e-05	-1.60e-03	-3.60	0.0	5.14	2.12	1.49e-04	-2.79e-04	-6.67e-04	-1.58
		-1.58	-6.67e-04	5.85e-05	0.0	486.5	3.04	-1.48	1.49e-04	-2.79e-04	5.91e-05	0.0
272	18	2.69	1.61e-04	-2.95e-03	-6.63	0.0	9.45	3.91	2.91e-04	-6.22e-04	-1.25e-03	-2.92
		-2.92	-1.25e-03	1.15e-04	0.0	486.5	5.58	-2.71	2.91e-04	-6.22e-04	1.61e-04	0.0
272	28	1.69	0.16	-0.01	-6.63	0.0	6.20	4.48	-0.08	-0.03	0.16	-5.66
		-5.66	-0.24	-7.73e-03	0.0	486.5	2.33	-2.15	-0.08	-0.03	-0.24	0.0
272	29	3.94	0.24	8.49e-03	-6.63	0.0	12.70	3.35	0.08	0.02	-0.16	-0.18
		-0.18	-0.16	7.66e-03	0.0	486.5	8.83	-3.28	0.08	0.02	0.24	0.0
272	32	1.70	0.16	-0.01	-6.63	0.0	6.18	4.47	-0.08	-0.03	0.16	-5.64
		-5.64	-0.25	8.87e-03	0.0	486.5	2.31	-2.15	-0.08	-0.03	-0.25	0.0
272	33	3.93	0.25	8.42e-03	-6.63	0.0	12.72	3.35	0.08	0.02	-0.17	-0.19
		-0.19	-0.17	-8.74e-03	0.0	486.5	8.85	-3.27	0.08	0.02	0.25	0.0
272	44	1.87	0.37	-9.72e-03	-6.63	0.0	7.63	4.36	-0.20	-0.12	0.37	-5.08
		-5.08	-0.61	0.05	0.0	486.5	3.76	-2.27	-0.20	-0.12	-0.61	0.0
272	45	3.65	0.61	6.55e-03	-6.63	0.0	11.27	3.47	0.20	0.12	-0.38	-0.75
		-0.75	-0.38	-0.05	0.0	486.5	7.40	-3.16	0.20	0.12	0.61	0.0
272	60	1.93	0.11	-9.00e-03	-6.63	0.0	6.64	4.33	-0.05	-0.01	0.11	-4.93
		-4.93	-0.16	-6.93e-03	0.0	486.5	2.77	-2.30	-0.05	-0.01	-0.16	0.0
272	61	3.58	0.16	5.83e-03	-6.63	0.0	12.26	3.50	0.06	0.01	-0.11	-0.90
		-0.90	-0.11	6.86e-03	0.0	486.5	8.39	-3.13	0.06	0.01	0.16	0.0
272	64	1.93	0.11	-8.94e-03	-6.63	0.0	6.62	4.32	-0.05	-0.01	0.11	-4.91
		-4.91	-0.16	-6.13e-03	0.0	486.5	2.75	-2.30	-0.05	-0.01	-0.16	0.0
272	65	3.57	0.16	5.77e-03	-6.63	0.0	12.28	3.50	0.05	0.01	-0.11	-0.92
		-0.92	-0.11	6.06e-03	0.0	486.5	8.41	-3.12	0.05	0.01	0.16	0.0
272	68	2.07	0.23	-7.79e-03	-6.63	0.0	8.03	4.25	-0.13	-0.07	0.23	-4.56
		-4.56	-0.38	0.03	0.0	486.5	4.16	-2.37	-0.13	-0.07	-0.38	0.0
272	69	3.41	0.38	4.62e-03	-6.63	0.0	10.87	3.57	0.13	0.07	-0.24	-1.27
		-1.27	-0.24	-0.03	0.0	486.5	7.00	-3.05	0.13	0.07	0.38	0.0
272	92	2.01	0.09	-8.15e-03	-6.63	0.0	6.93	4.28	-0.05	-0.01	0.09	-4.70

		-4.70	-0.14	-6.23e-03	0.0	486.5	3.05	-2.35	-0.05	-0.01	-0.14	0.0
272	93	3.47	0.14	4.98e-03	-6.63	0.0	11.98	3.55	0.05	0.01	-0.10	-1.13
		-1.13	-0.10	6.15e-03	0.0	486.5	8.10	-3.08	0.05	0.01	0.14	0.0
272	96	2.02	0.09	-8.09e-03	-6.63	0.0	6.91	4.28	-0.05	-0.01	0.09	-4.68
		-4.68	-0.14	-5.55e-03	0.0	486.5	3.04	-2.35	-0.05	-0.01	-0.14	0.0
272	97	3.46	0.14	4.92e-03	-6.63	0.0	11.99	3.55	0.05	0.01	-0.09	-1.15
		-1.15	-0.09	5.47e-03	0.0	486.5	8.12	-3.08	0.05	0.01	0.14	0.0
272	100	2.14	0.20	-7.08e-03	-6.63	0.0	8.18	4.21	-0.11	-0.06	0.20	-4.37
		-4.37	-0.33	0.02	0.0	486.5	4.31	-2.41	-0.11	-0.06	-0.33	0.0
272	101	3.33	0.33	3.91e-03	-6.63	0.0	10.72	3.61	0.11	0.06	-0.21	-1.46
		-1.46	-0.21	-0.02	0.0	486.5	6.85	-3.01	0.11	0.06	0.33	0.0
272	124	1.52	0.20	-0.01	-6.63	0.0	5.74	4.59	-0.10	-0.03	0.20	-6.23
		-6.23	-0.31	0.01	0.0	486.5	1.87	-2.03	-0.10	-0.03	-0.31	0.0
272	125	4.23	0.31	0.01	-6.63	0.0	13.16	3.23	0.11	0.03	-0.21	0.40
		0.0	-0.21	-0.01	0.0	486.5	9.29	-3.39	0.11	0.03	0.31	0.0
272	128	1.52	0.21	-0.01	-6.63	0.0	5.72	4.59	-0.11	-0.03	0.21	-6.21
		-6.21	-0.31	0.01	0.0	486.5	1.84	-2.04	-0.11	-0.03	-0.31	0.0
272	129	4.22	0.31	0.01	-6.63	0.0	13.19	3.24	0.11	0.03	-0.21	0.38
		0.0	-0.21	-0.01	0.0	486.5	9.32	-3.39	0.11	0.03	0.31	0.0
272	140	1.73	0.48	-0.01	-6.63	0.0	7.33	4.45	-0.26	-0.16	0.48	-5.53
		-5.53	-0.77	0.06	0.0	486.5	3.45	-2.18	-0.26	-0.16	-0.77	0.0
272	141	3.88	0.77	8.24e-03	-6.63	0.0	11.58	3.38	0.26	0.15	-0.48	-0.30
		-0.30	-0.48	-0.06	0.0	486.5	7.70	-3.25	0.26	0.15	0.77	0.0
273	1	0.0	2.63e-03	-1.43e-04	-1.78	0.0	-0.04	-0.75	1.64e-03	7.07e-03	0.0	0.0
		-2.62	0.0	-1.00e-04	0.0	160.0	-0.04	-2.53	1.64e-03	7.07e-03	2.63e-03	-2.62
273	2	0.0	7.58e-03	-5.22e-04	-7.54	0.0	-0.50	-3.26	4.74e-03	0.03	0.0	0.0
		-11.25	0.0	-1.87e-04	0.0	160.0	-0.50	-10.81	4.74e-03	0.03	7.58e-03	-11.25
273	3	0.0	2.19e-03	-1.10e-04	-1.37	0.0	-0.03	-0.57	1.37e-03	5.47e-03	0.0	0.0
		-2.01	0.0	-9.61e-05	0.0	160.0	-0.03	-1.94	1.37e-03	5.47e-03	2.19e-03	-2.01
273	7	0.0	2.85e-03	-1.11e-04	-1.37	0.0	2.50e-04	-0.56	1.78e-03	5.51e-03	0.0	0.0
		-2.00	0.0	-1.54e-04	0.0	160.0	2.50e-04	-1.94	1.78e-03	5.51e-03	2.85e-03	-2.00
273	9	0.0	1.89e-03	-1.10e-04	-1.37	0.0	-0.04	-0.58	1.18e-03	5.44e-03	0.0	0.0
		-2.02	0.0	-6.82e-05	0.0	160.0	-0.04	-1.95	1.18e-03	5.44e-03	1.89e-03	-2.02
273	10	0.0	5.19e-03	-3.63e-04	-5.21	0.0	-0.35	-2.25	3.25e-03	0.02	0.0	0.0
		-7.77	0.0	-1.26e-04	0.0	160.0	-0.35	-7.47	3.25e-03	0.02	5.19e-03	-7.77
273	11	0.0	2.33e-03	-1.10e-04	-1.37	0.0	-0.02	-0.57	1.46e-03	5.47e-03	0.0	0.0
		-2.01	0.0	-1.06e-04	0.0	160.0	-0.02	-1.94	1.46e-03	5.47e-03	2.33e-03	-2.01
273	13	0.0	1.22e-03	-1.10e-04	-1.37	0.0	-0.08	-0.59	7.63e-04	5.39e-03	0.0	0.0
		-2.03	0.0	-1.69e-05	0.0	160.0	-0.08	-1.96	7.63e-04	5.39e-03	1.22e-03	-2.03
273	14	0.0	2.87e-03	-2.36e-04	-3.29	0.0	-0.23	-1.42	1.80e-03	0.01	0.0	0.0
		-4.91	0.0	-4.71e-05	0.0	160.0	-0.23	-4.72	1.80e-03	0.01	2.87e-03	-4.91
273	15	0.0	1.44e-03	-1.10e-04	-1.37	0.0	-0.07	-0.58	9.02e-04	5.41e-03	0.0	0.0
		-2.03	0.0	-3.28e-05	0.0	160.0	-0.07	-1.95	9.02e-04	5.41e-03	1.44e-03	-2.03
273	17	0.0	1.22e-03	-1.10e-04	-1.37	0.0	-0.08	-0.59	7.63e-04	5.39e-03	0.0	0.0
		-2.03	0.0	-1.69e-05	0.0	160.0	-0.08	-1.96	7.63e-04	5.39e-03	1.22e-03	-2.03
273	18	0.0	2.21e-03	-1.86e-04	-2.52	0.0	-0.17	-1.09	1.38e-03	1.00e-02	0.0	0.0
		-3.76	0.0	-3.50e-05	0.0	160.0	-0.17	-3.61	1.38e-03	1.00e-02	2.21e-03	-3.76
273	28	0.0	0.0	1.98e-04	-2.52	0.0	-7.04	-2.51	-0.06	8.11e-03	0.0	0.0
		-6.03	-0.10	5.88e-03	0.0	160.0	-7.04	-5.03	-0.06	8.11e-03	-0.10	-6.03
273	29	0.03	0.10	-1.77e-04	-2.52	0.0	6.70	0.33	0.06	0.01	0.0	0.0
		-1.49	0.0	-5.92e-03	0.0	160.0	6.70	-2.19	0.06	0.01	0.10	-1.49
273	36	0.0	0.0	-1.86e-04	-2.52	0.0	-5.64	-2.25	-0.08	8.70e-03	0.0	0.0
		-5.61	-0.12	7.31e-03	0.0	160.0	-5.64	-4.77	-0.08	8.70e-03	-0.12	-5.61
273	37	0.0	0.13	-1.85e-04	-2.52	0.0	5.29	0.07	0.08	0.01	0.0	0.0
		-1.91	0.0	-7.34e-03	0.0	160.0	5.29	-2.45	0.08	0.01	0.13	-1.91
273	60	0.0	0.0	-1.94e-04	-2.52	0.0	-5.22	-2.13	-0.05	8.42e-03	0.0	0.0
		-5.43	-0.07	4.30e-03	0.0	160.0	-5.22	-4.65	-0.05	8.42e-03	-0.07	-5.43
273	61	0.0	0.08	-1.78e-04	-2.52	0.0	4.87	-0.05	0.05	0.01	0.0	0.0
		-2.09	0.0	-4.34e-03	0.0	160.0	4.87	-2.57	0.05	0.01	0.08	-2.09
273	64	0.0	0.0	-1.94e-04	-2.52	0.0	-5.18	-2.12	-0.04	8.80e-03	0.0	0.0
		-5.41	-0.06	3.66e-03	0.0	160.0	-5.18	-4.64	-0.04	8.80e-03	-0.06	-5.41
273	68	0.0	0.0	-1.87e-04	-2.52	0.0	-4.21	-1.95	-0.06	9.01e-03	0.0	0.0
		-5.13	-0.09	5.32e-03	0.0	160.0	-4.21	-4.47	-0.06	9.01e-03	-0.09	-5.13
273	69	0.0	0.09	-1.85e-04	-2.52	0.0	3.87	-0.23	0.06	0.01	0.0	0.0
		-2.39	0.0	-5.36e-03	0.0	160.0	3.87	-2.76	0.06	0.01	0.09	-2.39
273	92	0.0	0.0	-1.93e-04	-2.52	0.0	-4.63	-2.01	-0.04	8.58e-03	0.0	0.0
		-5.23	-0.06	3.80e-03	0.0	160.0	-4.63	-4.53	-0.04	8.58e-03	-0.06	-5.23
273	93	0.0	0.07	-1.78e-04	-2.52	0.0	4.29	-0.17	0.04	0.01	0.0	0.0
		-2.29	0.0	-3.84e-03	0.0	160.0	4.29	-2.69	0.04	0.01	0.07	-2.29
273	96	0.0	0.0	-1.93e-04	-2.52	0.0	-4.60	-2.00	-0.03	8.92e-03	0.0	0.0
		-5.22	-0.06	3.24e-03	0.0	160.0	-4.60	-4.52	-0.03	8.92e-03	-0.06	-5.22
273	100	0.0	0.0	-1.87e-04	-2.52	0.0	-3.75	-1.85	-0.05	9.12e-03	0.0	0.0
		-4.97	-0.08	4.70e-03	0.0	160.0	-3.75	-4.37	-0.05	9.12e-03	-0.08	-4.97
273	101	0.0	0.08	-1.85e-04	-2.52	0.0	3.41	-0.33	0.05	0.01	0.0	0.0
		-2.55	0.0	-4.74e-03	0.0	160.0	3.41	-2.85	0.05	0.01	0.08	-2.55

273	124	0.0	0.0	2.25e-04	-2.52	0.0	-8.48	-2.80	-0.07	7.81e-03	0.0	0.0
		-6.51	-0.12	7.07e-03	0.0	160.0	-8.48	-5.33	-0.07	7.81e-03	-0.12	-6.51
273	125	0.13	0.12	-1.76e-04	-2.52	0.0	8.14	0.63	0.08	0.01	0.0	0.0
		-1.01	0.0	-7.10e-03	0.0	160.0	8.14	-1.90	0.08	0.01	0.12	-1.01
273	132	0.0	0.0	2.00e-04	-2.52	0.0	-6.77	-2.49	-0.09	8.44e-03	0.0	0.0
		-6.00	-0.15	8.80e-03	0.0	160.0	-6.77	-5.01	-0.09	8.44e-03	-0.15	-6.00
273	133	0.03	0.15	-1.86e-04	-2.52	0.0	6.43	0.31	0.09	0.01	0.0	0.0
		-1.52	0.0	-8.84e-03	0.0	160.0	6.43	-2.21	0.09	0.01	0.15	-1.52
274	1	2.35	1.54e-03	-2.22e-03	-4.68	0.0	2.22	3.16	-2.73e-04	-4.89e-05	1.54e-03	-2.82
		-2.82	2.18e-04	-4.98e-04	0.0	486.5	-0.51	-1.52	-2.73e-04	-4.89e-05	2.18e-04	1.15
274	2	10.07	6.07e-03	-9.43e-03	-19.80	0.0	8.50	13.43	-6.59e-04	-4.12e-03	6.07e-03	-12.07
		-12.07	2.87e-03	-1.58e-03	0.0	486.5	-3.07	-6.37	-6.59e-04	-4.12e-03	2.87e-03	5.08
274	9	1.81	1.20e-03	-1.71e-03	-3.60	0.0	1.68	2.43	-2.00e-04	-1.47e-04	1.20e-03	-2.17
		-2.17	2.25e-04	-3.66e-04	0.0	486.5	-0.43	-1.17	-2.00e-04	-1.47e-04	2.25e-04	0.89
274	10	6.96	4.22e-03	-6.51e-03	-13.68	0.0	5.87	9.28	-4.58e-04	-2.86e-03	4.22e-03	-8.34
		-8.34	1.99e-03	-1.09e-03	0.0	486.5	-2.13	-4.40	-4.58e-04	-2.86e-03	1.99e-03	3.51
274	13	1.82	1.35e-03	-1.72e-03	-3.60	0.0	1.61	2.44	-2.33e-04	-9.15e-05	1.35e-03	-2.18
		-2.18	2.16e-04	-2.91e-04	0.0	486.5	-0.49	-1.17	-2.33e-04	-9.15e-05	2.16e-04	0.91
274	14	4.40	2.86e-03	-4.12e-03	-8.64	0.0	3.70	5.86	-3.62e-04	-1.45e-03	2.86e-03	-5.26
		-5.26	1.10e-03	-6.62e-04	0.0	486.5	-1.35	-2.78	-3.62e-04	-1.45e-03	1.10e-03	2.22
274	17	1.82	1.35e-03	-1.72e-03	-3.60	0.0	1.61	2.44	-2.33e-04	-9.15e-05	1.35e-03	-2.18
		-2.18	2.16e-04	-2.91e-04	0.0	486.5	-0.49	-1.17	-2.33e-04	-9.15e-05	2.16e-04	0.91
274	18	3.37	2.26e-03	-3.16e-03	-6.63	0.0	2.87	4.49	-3.11e-04	-9.05e-04	2.26e-03	-4.03
		-4.03	7.45e-04	-5.13e-04	0.0	486.5	-1.01	-2.14	-3.11e-04	-9.05e-04	7.45e-04	1.69
274	28	5.56	0.17	-5.10e-03	-6.63	0.0	-9.63	5.46	-0.08	-0.03	0.17	-5.37
		-5.37	-0.24	-8.11e-03	0.0	486.5	-13.50	-1.17	-0.08	-0.03	-0.24	5.07
274	29	1.85	0.25	-1.29e-03	-6.63	0.0	15.36	3.52	0.08	0.02	-0.16	-2.69
		-2.69	-0.16	-7.86e-03	0.0	486.5	11.49	-3.10	0.08	0.02	0.25	-1.68
274	44	5.09	0.38	-4.74e-03	-6.63	0.0	-7.25	5.28	-0.20	-0.12	0.38	-5.13
		-5.13	-0.61	0.05	0.0	486.5	-11.13	-1.35	-0.20	-0.12	-0.61	4.42
274	45	2.10	0.61	-1.63e-03	-6.63	0.0	12.99	3.70	0.20	0.12	-0.37	-2.93
		-2.93	-0.37	-0.05	0.0	486.5	9.12	-2.92	0.20	0.12	0.61	-1.03
274	60	4.91	0.11	-4.58e-03	-6.63	0.0	-6.32	5.20	-0.06	-0.01	0.11	-5.02
		-5.02	-0.16	-7.27e-03	0.0	486.5	-10.19	-1.42	-0.06	-0.01	-0.16	4.18
274	61	2.19	0.16	-1.77e-03	-6.63	0.0	12.06	3.78	0.06	0.01	-0.11	-3.04
		-3.04	-0.11	6.62e-03	0.0	486.5	8.18	-2.85	0.06	0.01	0.16	-0.79
274	68	4.64	0.24	-4.37e-03	-6.63	0.0	-4.89	5.09	-0.13	-0.07	0.24	-4.87
		-4.87	-0.38	0.02	0.0	486.5	-8.76	-1.53	-0.13	-0.07	-0.38	3.78
274	69	2.35	0.38	-1.98e-03	-6.63	0.0	10.62	3.89	0.13	0.07	-0.23	-3.19
		-3.19	-0.23	-0.03	0.0	486.5	6.75	-2.74	0.13	0.07	0.38	-0.39
274	92	4.71	0.10	-4.42e-03	-6.63	0.0	-5.26	5.12	-0.05	-0.01	0.10	-4.91
		-4.91	-0.14	-6.56e-03	0.0	486.5	-9.14	-1.50	-0.05	-0.01	-0.14	3.89
274	93	2.30	0.14	-1.93e-03	-6.63	0.0	11.00	3.86	0.05	0.01	-0.09	-3.15
		-3.15	-0.09	5.91e-03	0.0	486.5	7.13	-2.77	0.05	0.01	0.14	-0.50
274	100	4.49	0.21	-4.23e-03	-6.63	0.0	-4.00	5.02	-0.11	-0.07	0.21	-4.78
		-4.78	-0.33	0.02	0.0	486.5	-7.88	-1.60	-0.11	-0.07	-0.33	3.54
274	101	2.45	0.33	-2.11e-03	-6.63	0.0	9.74	3.96	0.11	0.06	-0.20	-3.29
		-3.29	-0.20	-0.02	0.0	486.5	5.86	-2.67	0.11	0.06	0.33	-0.16
274	124	6.11	0.21	-5.52e-03	-6.63	0.0	-12.25	5.66	-0.11	-0.03	0.21	-5.65
		-5.65	-0.31	9.68e-03	0.0	486.5	-16.12	-0.96	-0.11	-0.03	-0.31	5.77
274	125	1.63	0.31	-9.43e-04	-6.63	0.0	17.98	3.32	0.11	0.03	-0.21	-2.41
		-2.41	-0.21	-0.01	0.0	486.5	14.11	-3.31	0.11	0.03	0.31	-2.38
274	140	5.51	0.48	-5.07e-03	-6.63	0.0	-9.36	5.44	-0.26	-0.16	0.48	-5.36
		-5.36	-0.77	0.06	0.0	486.5	-13.24	-1.19	-0.26	-0.16	-0.77	4.99
274	141	1.88	0.77	-1.32e-03	-6.63	0.0	15.10	3.54	0.26	0.15	-0.47	-2.71
		-2.71	-0.47	-0.06	0.0	486.5	11.22	-3.09	0.26	0.15	0.77	-1.60
276	1	1.12	0.01	4.82e-05	-0.08	0.0	2.67e-03	-11.21	-0.10	-0.16	0.01	1.12
		0.0	0.0	2.27e-05	0.0	10.0	2.67e-03	-11.28	-0.10	-0.16	0.0	0.0
276	2	4.36	0.04	1.83e-04	-0.08	0.0	7.79e-03	-43.59	-0.42	-0.70	0.04	4.36
		0.0	0.0	8.64e-05	0.0	10.0	7.79e-03	-43.66	-0.42	-0.70	0.0	0.0
276	3	0.86	7.89e-03	3.69e-05	-0.06	0.0	2.19e-03	-8.61	-0.08	-0.12	7.89e-03	0.86
		0.0	0.0	1.73e-05	0.0	10.0	2.19e-03	-8.67	-0.08	-0.12	0.0	0.0
276	9	0.86	7.87e-03	3.70e-05	-0.06	0.0	1.96e-03	-8.60	-0.08	-0.12	7.87e-03	0.86
		0.0	0.0	1.74e-05	0.0	10.0	1.96e-03	-8.66	-0.08	-0.12	0.0	0.0
276	10	3.02	0.03	1.27e-04	-0.06	0.0	5.37e-03	-30.19	-0.29	-0.48	0.03	3.02
		0.0	0.0	5.98e-05	0.0	10.0	5.37e-03	-30.25	-0.29	-0.48	0.0	0.0
276	13	0.86	7.84e-03	3.68e-05	-0.06	0.0	1.44e-03	-8.57	-0.08	-0.12	7.84e-03	0.86
		0.0	0.0	1.73e-05	0.0	10.0	1.44e-03	-8.63	-0.08	-0.12	0.0	0.0
276	14	1.94	0.02	8.16e-05	-0.06	0.0	3.15e-03	-19.37	-0.19	-0.30	0.02	1.94
		0.0	0.0	3.85e-05	0.0	10.0	3.15e-03	-19.43	-0.19	-0.30	0.0	0.0
276	17	0.86	7.84e-03	3.68e-05	-0.06	0.0	1.44e-03	-8.57	-0.08	-0.12	7.84e-03	0.86
		0.0	0.0	1.73e-05	0.0	10.0	1.44e-03	-8.63	-0.08	-0.12	0.0	0.0
276	18	1.51	0.01	6.37e-05	-0.06	0.0	2.47e-03	-15.05	-0.14	-0.23	0.01	1.51
		0.0	0.0	3.00e-05	0.0	10.0	2.47e-03	-15.11	-0.14	-0.23	0.0	0.0
276	29	2.60	0.0	1.47e-04	-0.06	0.0	-0.52	-25.97	0.04	-0.26	-4.39e-03	2.60

		0.0	-4.39e-03	4.15e-05	0.0	10.0	-0.52	-26.03	0.04	-0.26	0.0	0.0
276	32	0.42	0.03	-1.89e-05	-0.06	0.0	0.23	-4.12	-0.33	-0.21	0.03	0.42
		0.0	0.0	1.92e-05	0.0	10.0	0.23	-4.19	-0.33	-0.21	0.0	0.0
276	33	2.60	0.0	1.46e-04	-0.06	0.0	-0.22	-25.97	0.04	-0.25	-4.46e-03	2.60
		0.0	-4.46e-03	4.09e-05	0.0	10.0	-0.22	-26.03	0.04	-0.25	0.0	0.0
276	35	1.85	0.02	9.87e-05	-0.06	0.0	-2.27	-18.46	-0.16	-0.24	0.02	1.85
		0.0	0.0	2.84e-05	0.0	10.0	-2.27	-18.52	-0.16	-0.24	0.0	0.0
276	38	1.17	0.01	2.86e-05	-0.06	0.0	2.27	-11.64	-0.13	-0.23	0.01	1.17
		0.0	0.0	3.17e-05	0.0	10.0	2.27	-11.70	-0.13	-0.23	0.0	0.0
276	47	1.75	0.02	9.21e-05	-0.06	0.0	-1.25	-17.48	-0.17	-0.22	0.02	1.75
		0.0	0.0	2.33e-05	0.0	10.0	-1.25	-17.54	-0.17	-0.22	0.0	0.0
276	61	2.32	0.0	1.25e-04	-0.06	0.0	-0.43	-23.17	7.14e-04	-0.25	-7.14e-05	2.32
		0.0	-7.14e-05	3.84e-05	0.0	10.0	-0.43	-23.23	7.14e-04	-0.25	0.0	0.0
276	64	0.70	0.03	2.89e-06	-0.06	0.0	0.20	-6.94	-0.29	-0.22	0.03	0.70
		0.0	0.0	2.21e-05	0.0	10.0	0.20	-7.00	-0.29	-0.22	0.0	0.0
276	65	2.32	0.0	1.24e-04	-0.06	0.0	-0.19	-23.16	1.20e-03	-0.25	-1.20e-04	2.32
		0.0	-1.20e-04	3.79e-05	0.0	10.0	-0.19	-23.22	1.20e-03	-0.25	0.0	0.0
276	67	1.76	0.02	8.99e-05	-0.06	0.0	-1.84	-17.54	-0.15	-0.23	0.02	1.76
		0.0	0.0	2.93e-05	0.0	10.0	-1.84	-17.60	-0.15	-0.23	0.0	0.0
276	70	1.26	0.01	3.75e-05	-0.06	0.0	1.84	-12.55	-0.13	-0.23	0.01	1.26
		0.0	0.0	3.07e-05	0.0	10.0	1.84	-12.61	-0.13	-0.23	0.0	0.0
276	79	1.68	0.02	8.47e-05	-0.06	0.0	-1.04	-16.79	-0.17	-0.22	0.02	1.68
		0.0	0.0	2.57e-05	0.0	10.0	-1.04	-16.85	-0.17	-0.22	0.0	0.0
276	93	2.23	1.50e-03	1.18e-04	-0.06	0.0	-0.39	-22.25	-0.01	-0.25	1.50e-03	2.23
		0.0	0.0	3.74e-05	0.0	10.0	-0.39	-22.31	-0.01	-0.25	0.0	0.0
276	96	0.79	0.03	9.87e-06	-0.06	0.0	0.18	-7.86	-0.27	-0.22	0.03	0.79
		0.0	0.0	2.30e-05	0.0	10.0	0.18	-7.92	-0.27	-0.22	0.0	0.0
276	99	1.73	0.02	8.69e-05	-0.06	0.0	-1.63	-17.26	-0.15	-0.23	0.02	1.73
		0.0	0.0	2.95e-05	0.0	10.0	-1.63	-17.32	-0.15	-0.23	0.0	0.0
276	102	1.29	0.01	4.04e-05	-0.06	0.0	1.64	-12.84	-0.13	-0.23	0.01	1.29
		0.0	0.0	3.05e-05	0.0	10.0	1.64	-12.90	-0.13	-0.23	0.0	0.0
276	111	1.66	0.02	8.23e-05	-0.06	0.0	-0.93	-16.58	-0.16	-0.22	0.02	1.66
		0.0	0.0	2.62e-05	0.0	10.0	-0.93	-16.65	-0.16	-0.22	0.0	0.0
276	125	2.82	0.0	1.64e-04	-0.06	0.0	-0.58	-28.16	0.08	-0.26	-7.89e-03	2.82
		0.0	-7.89e-03	4.41e-05	0.0	10.0	-0.58	-28.22	0.08	-0.26	0.0	0.0
276	128	0.20	0.04	-3.61e-05	-0.06	0.0	0.25	-1.94	-0.37	-0.21	0.04	0.20
		0.0	0.0	1.67e-05	0.0	10.0	0.25	-2.00	-0.37	-0.21	0.0	0.0
276	129	2.82	0.0	1.63e-04	-0.06	0.0	-0.25	-28.16	0.08	-0.25	-7.97e-03	2.82
		0.0	-7.97e-03	4.33e-05	0.0	10.0	-0.25	-28.22	0.08	-0.25	0.0	0.0
276	131	1.92	0.02	1.06e-04	-0.06	0.0	-2.56	-19.19	-0.16	-0.24	0.02	1.92
		0.0	0.0	2.80e-05	0.0	10.0	-2.56	-19.25	-0.16	-0.24	0.0	0.0
276	134	1.09	0.01	2.13e-05	-0.06	0.0	2.57	-10.91	-0.13	-0.23	0.01	1.09
		0.0	0.0	3.20e-05	0.0	10.0	2.57	-10.97	-0.13	-0.23	0.0	0.0
276	143	1.80	0.02	9.81e-05	-0.06	0.0	-1.44	-18.01	-0.18	-0.21	0.02	1.80
		0.0	0.0	2.18e-05	0.0	10.0	-1.44	-18.07	-0.18	-0.21	0.0	0.0
277	2	27.43	4.20	1.45e-03	-0.95	0.0	-6.82e-03	-18.76	-3.48	-0.02	4.20	27.43
		4.34	0.02	7.94e-04	0.0	120.0	-6.82e-03	-19.71	-3.48	-0.02	0.02	4.34
277	3	5.45	0.85	2.92e-04	-0.73	0.0	-1.30e-03	-3.46	-0.70	-3.84e-03	0.85	5.45
		0.86	2.63e-03	1.59e-04	0.0	120.0	-1.30e-03	-4.19	-0.70	-3.84e-03	2.63e-03	0.86
277	7	5.48	0.84	2.93e-04	-0.73	0.0	-1.24e-03	-3.48	-0.70	-3.85e-03	0.84	5.48
		0.86	1.92e-03	1.61e-04	0.0	120.0	-1.24e-03	-4.21	-0.70	-3.85e-03	1.92e-03	0.86
277	9	5.46	0.86	2.92e-04	-0.73	0.0	-1.33e-03	-3.46	-0.71	-3.84e-03	0.86	5.46
		0.86	2.93e-03	1.59e-04	0.0	120.0	-1.33e-03	-4.20	-0.71	-3.84e-03	2.93e-03	0.86
277	10	18.99	2.91	1.00e-03	-0.73	0.0	-4.73e-03	-12.95	-2.41	-0.01	2.91	18.99
		3.01	0.01	5.50e-04	0.0	120.0	-4.73e-03	-13.68	-2.41	-0.01	0.01	3.01
277	11	5.48	0.85	2.93e-04	-0.73	0.0	-1.30e-03	-3.48	-0.71	-3.85e-03	0.85	5.48
		0.86	2.45e-03	1.60e-04	0.0	120.0	-1.30e-03	-4.21	-0.71	-3.85e-03	2.45e-03	0.86
277	13	5.42	0.86	2.91e-04	-0.73	0.0	-1.39e-03	-3.44	-0.71	-3.82e-03	0.86	5.42
		0.86	3.64e-03	1.58e-04	0.0	120.0	-1.39e-03	-4.17	-0.71	-3.82e-03	3.64e-03	0.86
277	14	12.19	1.89	6.46e-04	-0.73	0.0	-3.09e-03	-8.19	-1.56	-9.28e-03	1.89	12.19
		1.93	9.30e-03	3.53e-04	0.0	120.0	-3.09e-03	-8.92	-1.56	-9.28e-03	9.30e-03	1.93
277	15	5.44	0.86	2.91e-04	-0.73	0.0	-1.37e-03	-3.45	-0.71	-3.83e-03	0.86	5.44
		0.86	3.40e-03	1.58e-04	0.0	120.0	-1.37e-03	-4.18	-0.71	-3.83e-03	3.40e-03	0.86
277	17	5.42	0.86	2.91e-04	-0.73	0.0	-1.39e-03	-3.44	-0.71	-3.82e-03	0.86	5.42
		0.86	3.64e-03	1.58e-04	0.0	120.0	-1.39e-03	-4.17	-0.71	-3.82e-03	3.64e-03	0.86
277	18	9.49	1.47	5.04e-04	-0.73	0.0	-2.41e-03	-6.29	-1.22	-7.10e-03	1.47	9.49
		1.50	7.03e-03	2.75e-04	0.0	120.0	-2.41e-03	-7.02	-1.22	-7.10e-03	7.03e-03	1.50
277	28	0.42	7.23	-1.79e-04	-0.73	0.0	-0.28	4.50	-5.99	1.58e-04	7.23	-4.47
		-4.47	0.05	-4.21e-04	0.0	120.0	-0.28	3.77	-5.99	1.58e-04	0.05	0.42
277	29	23.44	-0.04	1.19e-03	-0.73	0.0	0.28	-17.08	3.54	-0.01	-4.28	23.44
		2.59	-4.28	9.71e-04	0.0	120.0	0.28	-17.81	3.54	-0.01	-0.04	2.59
277	40	0.70	6.69	-7.94e-05	-0.73	0.0	-0.79	3.00	-5.57	-7.71e-04	6.69	-2.42
		-2.42	-0.11	-3.82e-04	0.0	120.0	-0.79	2.26	-5.57	-7.71e-04	-0.11	0.70
277	41	21.39	0.13	1.09e-03	-0.73	0.0	0.79	-15.57	3.12	-0.01	-3.74	21.39
		2.30	-3.74	9.32e-04	0.0	120.0	0.79	-16.30	3.12	-0.01	0.13	2.30

277	60	0.69	5.72	-1.90e-06	-0.73	0.0	-0.23	1.67	-4.74	-1.74e-03	5.72	-0.82
		-0.82	0.04	-2.55e-04	0.0	120.0	-0.23	0.94	-4.74	-1.74e-03	0.04	0.69
277	61	19.79	-0.02	1.01e-03	-0.73	0.0	0.22	-14.25	2.30	-0.01	-2.77	19.79
		2.31	-2.77	7.86e-04	0.0	120.0	0.22	-14.98	2.30	-0.01	-0.02	2.31
277	72	0.93	5.36	7.10e-05	-0.73	0.0	-0.64	0.60	-4.46	-2.39e-03	5.36	0.65
		0.65	-0.09	-2.30e-04	0.0	120.0	-0.64	-0.13	-4.46	-2.39e-03	-0.09	0.91
277	73	18.32	0.10	9.37e-04	-0.73	0.0	0.64	-13.18	2.02	-0.01	-2.41	18.32
		2.09	-2.41	7.62e-04	0.0	120.0	0.64	-13.91	2.02	-0.01	0.10	2.09
277	92	0.79	5.24	5.75e-05	-0.73	0.0	-0.20	0.76	-4.34	-2.35e-03	5.24	0.36
		0.36	0.04	-2.08e-04	0.0	120.0	-0.20	0.03	-4.34	-2.35e-03	0.04	0.79
277	93	18.61	-0.02	9.51e-04	-0.73	0.0	0.20	-13.34	1.90	-0.01	-2.29	18.61
		2.22	-2.29	7.28e-04	0.0	120.0	0.20	-14.07	1.90	-0.01	-0.02	2.22
277	104	1.66	4.92	1.20e-04	-0.73	0.0	-0.57	-0.18	-4.10	-2.93e-03	4.92	1.66
		0.98	-0.08	-1.86e-04	0.0	120.0	-0.57	-0.91	-4.10	-2.93e-03	-0.08	0.98
277	105	17.31	0.09	8.88e-04	-0.73	0.0	0.57	-12.39	1.65	-0.01	-1.97	17.31
		2.02	-1.97	7.06e-04	0.0	120.0	0.57	-13.12	1.65	-0.01	0.09	2.02
277	124	0.20	8.44	-3.21e-04	-0.73	0.0	-0.32	6.75	-6.99	1.67e-03	8.44	-7.38
		-7.38	0.06	-5.68e-04	0.0	120.0	-0.32	6.02	-6.99	1.67e-03	0.06	0.20
277	125	26.35	-0.05	1.33e-03	-0.73	0.0	0.32	-19.32	4.54	-0.02	-5.49	26.35
		2.80	-5.49	1.12e-03	0.0	120.0	0.32	-20.06	4.54	-0.02	-0.05	2.80
277	136	0.54	7.78	-2.01e-04	-0.73	0.0	-0.90	4.93	-6.47	5.42e-04	7.78	-4.90
		-4.90	-0.13	-5.19e-04	0.0	120.0	-0.90	4.20	-6.47	5.42e-04	-0.13	0.54
277	137	23.87	0.15	1.21e-03	-0.73	0.0	0.90	-17.50	4.03	-0.01	-4.83	23.87
		2.46	-4.83	1.07e-03	0.0	120.0	0.90	-18.23	4.03	-0.01	0.15	2.46
278	2	27.42	4.63	-1.30e-05	-0.16	0.0	-0.01	1.61	-2.20	0.29	4.63	27.12
		27.12	4.19	3.16e-05	0.0	20.0	-0.01	1.45	-2.20	0.29	4.19	27.42
278	3	5.45	0.93	-2.53e-06	-0.12	0.0	-2.85e-03	0.26	-0.44	0.05	0.93	5.41
		5.41	0.84	6.24e-06	0.0	20.0	-2.85e-03	0.14	-0.44	0.05	0.84	5.45
278	7	5.48	0.94	-2.55e-06	-0.12	0.0	-3.26e-03	0.28	-0.49	0.05	0.94	5.44
		5.44	0.84	6.54e-06	0.0	20.0	-3.26e-03	0.16	-0.49	0.05	0.84	5.48
278	9	5.46	0.94	-2.52e-06	-0.12	0.0	-2.67e-03	0.25	-0.43	0.05	0.94	5.42
		5.42	0.85	6.07e-06	0.0	20.0	-2.67e-03	0.13	-0.43	0.05	0.85	5.46
278	10	18.99	3.20	-9.00e-06	-0.12	0.0	-8.15e-03	1.11	-1.50	0.20	3.20	18.78
		18.78	2.90	2.19e-05	0.0	20.0	-8.15e-03	0.99	-1.50	0.20	2.90	18.99
278	11	5.48	0.94	-2.53e-06	-0.12	0.0	-2.94e-03	0.26	-0.47	0.05	0.94	5.44
		5.44	0.85	6.27e-06	0.0	20.0	-2.94e-03	0.14	-0.47	0.05	0.85	5.48
278	13	5.42	0.93	-2.50e-06	-0.12	0.0	-2.26e-03	0.23	-0.38	0.05	0.93	5.39
		5.39	0.86	5.77e-06	0.0	20.0	-2.26e-03	0.11	-0.38	0.05	0.86	5.42
278	14	12.19	2.06	-5.74e-06	-0.12	0.0	-5.00e-03	0.66	-0.91	0.13	2.06	12.07
		12.07	1.88	1.37e-05	0.0	20.0	-5.00e-03	0.54	-0.91	0.13	1.88	12.19
278	15	5.43	0.93	-2.51e-06	-0.12	0.0	-2.39e-03	0.24	-0.40	0.05	0.93	5.40
		5.40	0.86	5.87e-06	0.0	20.0	-2.39e-03	0.12	-0.40	0.05	0.86	5.43
278	17	5.42	0.93	-2.50e-06	-0.12	0.0	-2.26e-03	0.23	-0.38	0.05	0.93	5.39
		5.39	0.86	5.77e-06	0.0	20.0	-2.26e-03	0.11	-0.38	0.05	0.86	5.42
278	18	9.49	1.61	-4.44e-06	-0.12	0.0	-3.90e-03	0.49	-0.70	0.10	1.61	9.40
		9.40	1.47	1.05e-05	0.0	20.0	-3.90e-03	0.37	-0.70	0.10	1.47	9.49
278	28	-3.00	7.30	4.49e-06	-0.12	0.0	-0.98	-7.36	19.17	-0.14	3.82	-3.00
		-4.48	3.82	-2.38e-04	0.0	20.0	-0.98	-7.48	19.17	-0.14	7.30	-4.48
278	29	23.45	-0.59	-1.29e-05	-0.12	0.0	0.97	8.34	-20.56	0.33	-0.59	21.80
		21.80	-4.35	2.59e-04	0.0	20.0	0.97	8.22	-20.56	0.33	-4.35	23.45
278	35	15.35	0.52	-7.73e-06	-0.12	0.0	3.88	3.81	-8.71	0.18	0.52	14.60
		14.60	-1.20	1.25e-04	0.0	20.0	3.88	3.69	-8.71	0.18	-1.20	15.35
278	38	4.20	4.14	-1.26e-06	-0.12	0.0	-3.89	-2.83	7.32	7.57e-03	2.70	4.20
		3.62	2.70	-1.03e-04	0.0	20.0	-3.89	-2.95	7.32	7.57e-03	4.14	3.62
278	60	0.25	5.77	2.91e-06	-0.12	0.0	-0.81	-5.30	13.95	-0.08	3.28	0.25
		-0.82	3.28	-1.73e-04	0.0	20.0	-0.81	-5.43	13.95	-0.08	5.77	-0.82
278	61	19.79	-0.05	-1.06e-05	-0.12	0.0	0.80	6.29	-15.34	0.27	-0.05	18.55
		18.55	-2.82	1.94e-04	0.0	20.0	0.80	6.16	-15.34	0.27	-2.82	19.79
278	67	13.87	0.79	-6.88e-06	-0.12	0.0	3.15	2.97	-6.66	0.16	0.79	13.29
		13.29	-0.54	9.62e-05	0.0	20.0	3.15	2.85	-6.66	0.16	-0.54	13.87
278	70	5.51	3.48	-2.07e-06	-0.12	0.0	-3.16	-1.99	5.26	0.03	2.43	5.51
		5.10	2.43	-7.52e-05	0.0	20.0	-3.16	-2.11	5.26	0.03	3.48	5.10
278	92	1.30	5.28	2.47e-06	-0.12	0.0	-0.72	-4.64	12.27	-0.06	3.09	1.30
		0.36	3.09	-1.52e-04	0.0	20.0	-0.72	-4.76	12.27	-0.06	5.28	0.36
278	93	18.61	0.13	-9.94e-06	-0.12	0.0	0.71	5.62	-13.66	0.25	0.13	17.50
		17.50	-2.33	1.73e-04	0.0	20.0	0.71	5.50	-13.66	0.25	-2.33	18.61
278	99	13.37	0.88	-6.60e-06	-0.12	0.0	2.81	2.69	-5.98	0.15	0.88	12.85
		12.85	-0.31	8.66e-05	0.0	20.0	2.81	2.57	-5.98	0.15	-0.31	13.37
278	102	5.95	3.25	-2.34e-06	-0.12	0.0	-2.81	-1.71	4.59	0.04	2.34	5.95
		5.60	2.34	-6.56e-05	0.0	20.0	-2.81	-1.83	4.59	0.04	3.25	5.60
278	124	-5.58	8.52	6.14e-06	-0.12	0.0	-1.10	-9.00	23.30	-0.19	4.26	-5.58
		-7.38	4.26	-2.90e-04	0.0	20.0	-1.10	-9.12	23.30	-0.19	8.52	-7.38
278	125	26.35	-1.03	-1.46e-05	-0.12	0.0	1.09	9.98	-24.69	0.38	-1.03	24.38
		24.38	-5.58	3.11e-04	0.0	20.0	1.09	9.86	-24.69	0.38	-5.58	26.35
278	131	16.58	0.29	-8.43e-06	-0.12	0.0	4.38	4.51	-10.40	0.20	0.29	15.69

		15.69	-1.76	1.48e-04	0.0	20.0	4.38	4.39	-10.40	0.20	-1.76	16.58
278	134	3.11	4.70	1.20e-06	-0.12	0.0	-4.39	-3.53	9.01	-0.01	2.93	3.11
		2.40	2.93	-1.27e-04	0.0	20.0	-4.39	-3.65	9.01	-0.01	4.70	2.40
279	2	40.73	-0.32	2.15e-03	-0.95	0.0	2.98e-03	-28.79	2.07	-0.03	-2.81	40.73
		5.61	-2.81	4.65e-04	0.0	120.0	2.98e-03	-29.74	2.07	-0.03	-0.32	5.61
279	3	7.82	-0.06	4.28e-04	-0.73	0.0	5.29e-03	-5.25	0.35	-4.99e-03	-0.48	7.82
		1.08	-0.48	7.25e-05	0.0	120.0	5.29e-03	-5.98	0.35	-4.99e-03	-0.06	1.08
279	4	38.37	-0.30	2.02e-03	-0.73	0.0	1.91e-03	-27.20	1.97	-0.03	-2.67	38.37
		5.28	-2.67	4.34e-04	0.0	120.0	1.91e-03	-27.94	1.97	-0.03	-0.30	5.28
279	5	10.18	-0.09	5.61e-04	-0.95	0.0	8.92e-03	-6.83	0.44	-6.52e-03	-0.61	10.18
		1.41	-0.61	9.12e-05	0.0	120.0	8.92e-03	-7.78	0.44	-6.52e-03	-0.09	1.41
279	9	7.83	-0.06	4.31e-04	-0.73	0.0	4.29e-03	-5.26	0.35	-4.89e-03	-0.48	7.83
		1.09	-0.48	8.07e-05	0.0	120.0	4.29e-03	-5.99	0.35	-4.89e-03	-0.06	1.09
279	10	28.20	-0.22	1.49e-03	-0.73	0.0	2.03e-03	-19.89	1.43	-0.02	-1.94	28.20
		3.88	-1.94	3.21e-04	0.0	120.0	2.03e-03	-20.63	1.43	-0.02	-0.22	3.88
279	11	7.83	-0.06	4.30e-04	-0.73	0.0	5.99e-03	-5.25	0.34	-4.99e-03	-0.48	7.83
		1.09	-0.48	7.21e-05	0.0	120.0	5.99e-03	-5.98	0.34	-4.99e-03	-0.06	1.09
279	13	7.84	-0.06	4.31e-04	-0.73	0.0	1.73e-03	-5.27	0.36	-4.74e-03	-0.50	7.84
		1.08	-0.50	9.35e-05	0.0	120.0	1.73e-03	-6.00	0.36	-4.74e-03	-0.06	1.08
279	14	18.02	-0.14	9.62e-04	-0.73	0.0	6.00e-04	-12.59	0.91	-0.01	-1.23	18.02
		2.48	-1.23	2.14e-04	0.0	120.0	6.00e-04	-13.32	0.91	-0.01	-0.14	2.48
279	15	7.84	-0.06	4.31e-04	-0.73	0.0	2.58e-03	-5.26	0.36	-4.79e-03	-0.49	7.84
		1.08	-0.49	8.92e-05	0.0	120.0	2.58e-03	-6.00	0.36	-4.79e-03	-0.06	1.08
279	17	7.84	-0.06	4.31e-04	-0.73	0.0	1.73e-03	-5.27	0.36	-4.74e-03	-0.50	7.84
		1.08	-0.50	9.35e-05	0.0	120.0	1.73e-03	-6.00	0.36	-4.74e-03	-0.06	1.08
279	18	13.95	-0.11	7.50e-04	-0.73	0.0	1.05e-03	-9.66	0.69	-8.80e-03	-0.93	13.95
		1.92	-0.93	1.66e-04	0.0	120.0	1.05e-03	-10.39	0.69	-8.80e-03	-0.11	1.92
279	27	17.46	-0.53	9.79e-04	-0.73	0.0	-0.86	-12.64	3.35	-0.01	-4.29	17.46
		1.84	-4.29	-3.80e-04	0.0	120.0	-0.86	-13.37	3.35	-0.01	-0.53	1.84
279	28	16.36	-0.38	9.00e-04	-0.73	0.0	-2.08	-11.67	4.69	-0.01	-5.87	16.36
		1.67	-5.87	-1.16e-03	0.0	120.0	-2.08	-12.40	4.69	-0.01	-0.38	1.67
279	29	11.55	4.00	5.99e-04	-0.73	0.0	2.08	-7.64	-3.32	-3.68e-03	4.00	11.55
		2.18	0.16	1.49e-03	0.0	120.0	2.08	-8.37	-3.32	-3.68e-03	0.16	2.18
279	36	12.85	0.08	6.65e-04	-0.73	0.0	-2.55	-8.67	3.68	-0.01	-4.48	12.85
		1.58	-4.48	-1.46e-03	0.0	120.0	-2.55	-9.40	3.68	-0.01	0.08	1.58
279	37	15.05	2.61	8.34e-04	-0.73	0.0	2.55	-10.64	-2.31	-5.45e-03	2.61	15.05
		2.26	-0.29	1.79e-03	0.0	120.0	2.55	-11.37	-2.31	-5.45e-03	-0.29	2.26
279	40	12.99	0.05	6.75e-04	-0.73	0.0	-2.47	-8.80	3.93	-0.01	-4.81	12.99
		1.58	-4.81	-1.41e-03	0.0	120.0	-2.47	-9.53	3.93	-0.01	0.05	1.58
279	59	16.68	-0.43	9.24e-04	-0.73	0.0	-0.64	-11.96	2.67	-0.01	-3.43	16.68
		1.84	-3.43	-2.15e-04	0.0	120.0	-0.64	-12.69	2.67	-0.01	-0.43	1.84
279	60	15.87	-0.33	8.65e-04	-0.73	0.0	-1.54	-11.25	3.66	-0.01	-4.60	15.87
		1.73	-4.60	-8.03e-04	0.0	120.0	-1.54	-11.98	3.66	-0.01	-0.33	1.73
279	61	12.04	2.73	6.34e-04	-0.73	0.0	1.54	-8.07	-2.28	-4.70e-03	2.73	12.04
		2.11	0.11	1.13e-03	0.0	120.0	1.54	-8.80	-2.28	-4.70e-03	0.11	2.11
279	68	13.19	3.48e-03	6.88e-04	-0.73	0.0	-1.87	-8.97	2.91	-0.01	-3.57	13.19
		1.70	-3.57	-1.06e-03	0.0	120.0	-1.87	-9.70	2.91	-0.01	3.48e-03	1.70
279	69	14.72	1.70	8.11e-04	-0.73	0.0	1.88	-10.35	-1.53	-6.24e-03	1.70	14.72
		2.15	-0.22	1.39e-03	0.0	120.0	1.88	-11.08	-1.53	-6.24e-03	-0.22	2.15
279	72	13.29	-0.02	6.95e-04	-0.73	0.0	-1.81	-9.05	3.09	-0.01	-3.81	13.29
		1.70	-3.81	-1.02e-03	0.0	120.0	-1.81	-9.79	3.09	-0.01	-0.02	1.70
279	91	16.38	-0.39	9.04e-04	-0.73	0.0	-0.57	-11.70	2.44	-0.01	-3.15	16.38
		1.85	-3.15	-1.69e-04	0.0	120.0	-0.57	-12.43	2.44	-0.01	-0.39	1.85
279	92	15.66	-0.30	8.52e-04	-0.73	0.0	-1.36	-11.07	3.32	-0.01	-4.18	15.66
		1.76	-4.18	-6.90e-04	0.0	120.0	-1.36	-11.80	3.32	-0.01	-0.30	1.76
279	93	12.24	2.31	6.47e-04	-0.73	0.0	1.36	-8.24	-1.95	-5.13e-03	2.31	12.24
		2.09	0.09	1.02e-03	0.0	120.0	1.36	-8.97	-1.95	-5.13e-03	0.09	2.09
279	100	13.28	-0.01	6.96e-04	-0.73	0.0	-1.66	-9.05	2.66	-0.01	-3.27	13.28
		1.73	-3.27	-9.19e-04	0.0	120.0	-1.66	-9.78	2.66	-0.01	-0.01	1.73
279	101	14.63	1.40	8.03e-04	-0.73	0.0	1.66	-10.27	-1.28	-6.53e-03	1.40	14.63
		2.12	-0.20	1.25e-03	0.0	120.0	1.66	-11.00	-1.28	-6.53e-03	-0.20	2.12
279	104	13.37	-0.03	7.02e-04	-0.73	0.0	-1.61	-9.13	2.81	-0.01	-3.48	13.37
		1.73	-3.48	-8.82e-04	0.0	120.0	-1.61	-9.86	2.81	-0.01	-0.03	1.73
279	123	18.12	-0.61	1.02e-03	-0.73	0.0	-1.01	-13.21	3.89	-0.01	-4.96	18.12
		1.83	-4.96	-5.16e-04	0.0	120.0	-1.01	-13.94	3.89	-0.01	-0.61	1.83
279	124	16.78	-0.41	9.29e-04	-0.73	0.0	-2.48	-12.04	5.51	-0.01	-6.87	16.78
		1.61	-6.87	-1.45e-03	0.0	120.0	-2.48	-12.77	5.51	-0.01	-0.41	1.61
279	125	11.12	5.00	5.70e-04	-0.73	0.0	2.48	-7.27	-4.14	-2.82e-03	5.00	11.12
		2.24	0.20	1.79e-03	0.0	120.0	2.48	-8.00	-4.14	-2.82e-03	0.20	2.24
279	132	12.59	0.13	6.46e-04	-0.73	0.0	-3.06	-8.45	4.30	-0.01	-5.21	12.59
		1.50	-5.21	-1.80e-03	0.0	120.0	-3.06	-9.18	4.30	-0.01	0.13	1.50
279	133	15.31	3.34	8.53e-04	-0.73	0.0	3.06	-10.87	-2.92	-4.79e-03	3.34	15.31
		2.35	-0.35	2.14e-03	0.0	120.0	3.06	-11.60	-2.92	-4.79e-03	-0.35	2.35
279	136	12.77	0.10	6.58e-04	-0.73	0.0	-2.97	-8.60	4.60	-0.01	-5.61	12.77
		1.49	-5.61	-1.74e-03	0.0	120.0	-2.97	-9.33	4.60	-0.01	0.10	1.49

280	2	40.73	-0.60	-1.73e-05	-0.16	0.0	-7.60e-03	5.38	-11.16	0.22	-0.60	39.67
		39.67	-2.83	1.44e-04	0.0	20.0	-7.60e-03	5.22	-11.16	0.22	-2.83	40.73
280	4	38.36	-0.58	-1.70e-05	-0.12	0.0	-8.09e-03	5.08	-10.54	0.21	-0.58	37.36
		37.36	-2.69	1.35e-04	0.0	20.0	-8.09e-03	4.96	-10.54	0.21	-2.69	38.36
280	5	10.18	-0.07	2.90e-06	-0.16	0.0	5.62e-03	1.31	-2.73	0.05	-0.07	9.93
		9.93	-0.62	2.97e-05	0.0	20.0	5.62e-03	1.15	-2.73	0.05	-0.62	10.18
280	7	7.81	-0.05	-2.49e-06	-0.12	0.0	5.14e-03	1.02	-2.10	0.04	-0.05	7.62
		7.62	-0.47	2.11e-05	0.0	20.0	5.14e-03	0.90	-2.10	0.04	-0.47	7.81
280	10	28.19	-0.41	-1.19e-05	-0.12	0.0	-5.25e-03	3.72	-7.71	0.15	-0.41	27.46
		27.46	-1.96	9.94e-05	0.0	20.0	-5.25e-03	3.60	-7.71	0.15	-1.96	28.19
280	11	7.83	-0.06	-2.32e-06	-0.12	0.0	3.56e-03	1.01	-2.09	0.04	-0.06	7.64
		7.64	-0.48	2.33e-05	0.0	20.0	3.56e-03	0.89	-2.09	0.04	-0.48	7.83
280	14	18.02	-0.26	-7.04e-06	-0.12	0.0	-3.78e-03	2.36	-4.87	0.10	-0.26	17.56
		17.56	-1.24	6.46e-05	0.0	20.0	-3.78e-03	2.24	-4.87	0.10	-1.24	18.02
280	15	7.84	-0.09	-2.28e-06	-0.12	0.0	6.33e-04	1.01	-2.06	0.04	-0.09	7.65
		7.65	-0.50	2.65e-05	0.0	20.0	6.33e-04	0.89	-2.06	0.04	-0.50	7.84
280	17	7.84	-0.09	-2.27e-06	-0.12	0.0	-9.99e-05	1.01	-2.05	0.04	-0.09	7.65
		7.65	-0.50	2.74e-05	0.0	20.0	-9.99e-05	0.89	-2.05	0.04	-0.50	7.84
280	18	13.95	-0.19	-5.10e-06	-0.12	0.0	-2.31e-03	1.82	-3.74	0.07	-0.19	13.60
		13.60	-0.94	4.97e-05	0.0	20.0	-2.31e-03	1.70	-3.74	0.07	-0.94	13.95
280	27	17.47	-3.98	1.11e-05	-0.12	0.0	-2.69	1.11	-1.20	-0.02	-3.98	17.01
		17.01	-4.30	1.91e-05	0.0	20.0	-2.69	0.99	-1.20	-0.02	-4.30	17.47
280	28	16.34	-5.84	6.98e-06	-0.12	0.0	-6.06	1.39	0.24	0.01	-5.84	15.89
		15.89	-5.88	-7.71e-05	0.0	20.0	-6.06	1.27	0.24	0.01	-5.88	16.34
280	29	11.56	5.45	-7.21e-06	-0.12	0.0	6.06	2.25	-7.72	0.14	5.45	11.30
		11.30	4.00	1.76e-04	0.0	20.0	6.06	2.13	-7.72	0.14	4.00	11.56
280	30	10.43	3.59	-9.61e-06	-0.12	0.0	2.68	2.53	-6.28	0.17	3.59	10.19
		10.19	2.42	8.03e-05	0.0	20.0	2.68	2.41	-6.28	0.17	2.42	10.43
280	36	12.80	-4.31	-7.26e-06	-0.12	0.0	-7.19	2.49	-0.59	0.11	-4.31	12.44
		12.44	-4.49	-1.50e-04	0.0	20.0	-7.19	2.37	-0.59	0.11	-4.49	12.80
280	37	15.10	3.93	6.29e-06	-0.12	0.0	7.19	1.15	-6.89	0.04	3.93	14.75
		14.75	2.61	2.50e-04	0.0	20.0	7.19	1.03	-6.89	0.04	2.61	15.10
280	59	16.69	-2.99	8.20e-06	-0.12	0.0	-1.99	1.24	-1.85	4.75e-03	-2.99	16.25
		16.25	-3.44	2.87e-05	0.0	20.0	-1.99	1.12	-1.85	4.75e-03	-3.44	16.69
280	60	15.86	-4.36	5.10e-06	-0.12	0.0	-4.46	1.43	-0.79	0.03	-4.36	15.43
		15.43	-4.61	-4.46e-05	0.0	20.0	-4.46	1.31	-0.79	0.03	-4.61	15.86
280	61	12.05	3.97	-6.30e-06	-0.12	0.0	4.46	2.21	-6.69	0.12	3.97	11.77
		11.77	2.73	1.44e-04	0.0	20.0	4.46	2.09	-6.69	0.12	2.73	12.05
280	62	11.21	2.60	-7.84e-06	-0.12	0.0	1.99	2.40	-5.63	0.14	2.60	10.95
		10.95	1.56	7.07e-05	0.0	20.0	1.99	2.28	-5.63	0.14	1.56	11.21
280	68	13.16	-3.24	-6.78e-06	-0.12	0.0	-5.27	2.31	-1.40	0.10	-3.24	12.80
		12.80	-3.57	-1.02e-04	0.0	20.0	-5.27	2.18	-1.40	0.10	-3.57	13.16
280	69	14.75	2.85	5.18e-06	-0.12	0.0	5.27	1.33	-6.08	0.05	2.85	14.40
		14.40	1.69	2.01e-04	0.0	20.0	5.27	1.21	-6.08	0.05	1.69	14.75
280	91	16.39	-2.67	7.38e-06	-0.12	0.0	-1.77	1.30	-2.07	0.01	-2.67	15.96
		15.96	-3.16	3.14e-05	0.0	20.0	-1.77	1.18	-2.07	0.01	-3.16	16.39
280	92	15.65	-3.89	4.63e-06	-0.12	0.0	-3.95	1.47	-1.12	0.03	-3.89	15.23
		15.23	-4.20	-3.38e-05	0.0	20.0	-3.95	1.34	-1.12	0.03	-4.20	15.65
280	93	12.25	3.50	-6.12e-06	-0.12	0.0	3.94	2.17	-6.36	0.11	3.50	11.97
		11.97	2.31	1.33e-04	0.0	20.0	3.94	2.05	-6.36	0.11	2.31	12.25
280	94	11.51	2.28	-7.44e-06	-0.12	0.0	1.76	2.34	-5.41	0.13	2.28	11.24
		11.24	1.28	6.80e-05	0.0	20.0	1.76	2.22	-5.41	0.13	1.28	11.51
280	100	13.25	-2.89	-6.58e-06	-0.12	0.0	-4.66	2.25	-1.66	0.10	-2.89	12.90
		12.90	-3.27	-8.48e-05	0.0	20.0	-4.66	2.13	-1.66	0.10	-3.27	13.25
280	101	14.65	2.50	4.75e-06	-0.12	0.0	4.66	1.39	-5.81	0.05	2.50	14.30
		14.30	1.39	1.84e-04	0.0	20.0	4.66	1.27	-5.81	0.05	1.39	14.65
280	123	18.13	-4.75	1.33e-05	-0.12	0.0	-3.18	0.99	-0.68	-0.04	-4.75	17.66
		17.66	-4.98	1.19e-05	0.0	20.0	-3.18	0.87	-0.68	-0.04	-4.98	18.13
280	124	16.76	-6.89	8.35e-06	-0.12	0.0	-7.26	1.34	1.06	-2.67e-03	-7.00	16.30
		16.30	-7.00	-1.06e-04	0.0	20.0	-7.26	1.22	1.06	-2.67e-03	-6.89	16.76
280	125	11.14	6.61	-7.90e-06	-0.12	0.0	7.25	2.30	-8.54	0.15	6.61	10.89
		10.89	5.00	2.06e-04	0.0	20.0	7.25	2.18	-8.54	0.15	5.00	11.14
280	126	9.77	4.36	-1.12e-05	-0.12	0.0	3.18	2.65	-6.80	0.19	4.36	9.54
		9.54	3.09	8.94e-05	0.0	20.0	3.18	2.53	-6.80	0.19	3.09	9.77
280	132	12.53	-5.16	-7.75e-06	-0.12	0.0	-8.65	2.63	0.07	0.12	-5.16	12.17
		12.17	-5.22	-1.92e-04	0.0	20.0	-8.65	2.51	0.07	0.12	-5.22	12.53
280	133	15.37	4.78	7.26e-06	-0.12	0.0	8.65	1.01	-7.55	0.03	4.78	15.03
		15.03	3.33	2.92e-04	0.0	20.0	8.65	0.89	-7.55	0.03	3.33	15.37
281	2	3.05	4.21	4.14e-06	-0.16	0.0	0.02	-1.86	-0.53	-3.89e-03	4.21	3.05
		2.66	4.10	3.00e-05	0.0	20.0	0.02	-2.02	-0.53	-3.89e-03	4.10	2.66
281	3	0.95	0.85	1.71e-06	-0.12	0.0	3.05e-03	-0.28	-0.10	-9.23e-04	0.85	0.95
		0.88	0.83	5.94e-06	0.0	20.0	3.05e-03	-0.40	-0.10	-9.23e-04	0.83	0.88
281	7	0.96	0.85	1.68e-06	-0.12	0.0	2.82e-03	-0.28	-0.12	-9.63e-04	0.85	0.96
		0.89	0.83	6.17e-06	0.0	20.0	2.82e-03	-0.40	-0.12	-9.63e-04	0.83	0.89
281	9	0.94	0.85	1.91e-06	-0.12	0.0	3.17e-03	-0.27	-0.10	-9.15e-04	0.85	0.94

		0.87	0.83	5.78e-06	0.0	20.0	3.17e-03	-0.39	-0.10	-9.15e-04	0.83	0.87
281	10	2.16	2.91	2.89e-06	-0.12	0.0	0.01	-1.28	-0.36	-2.70e-03	2.91	2.16
		1.89	2.84	2.08e-05	0.0	20.0	0.01	-1.40	-0.36	-2.70e-03	2.84	1.89
281	11	0.94	0.86	1.89e-06	-0.12	0.0	3.02e-03	-0.27	-0.11	-9.42e-04	0.86	0.94
		0.88	0.83	5.93e-06	0.0	20.0	3.02e-03	-0.40	-0.11	-9.42e-04	0.83	0.88
281	13	0.93	0.85	1.94e-06	-0.12	0.0	3.39e-03	-0.26	-0.09	-8.75e-04	0.85	0.93
		0.86	0.83	5.54e-06	0.0	20.0	3.39e-03	-0.39	-0.09	-8.75e-04	0.83	0.86
281	14	1.54	1.88	2.43e-06	-0.12	0.0	8.15e-03	-0.77	-0.22	-1.77e-03	1.88	1.54
		1.37	1.84	1.30e-05	0.0	20.0	8.15e-03	-0.89	-0.22	-1.77e-03	1.84	1.37
281	15	0.93	0.85	1.93e-06	-0.12	0.0	3.32e-03	-0.27	-0.09	-8.89e-04	0.85	0.93
		0.86	0.83	5.62e-06	0.0	20.0	3.32e-03	-0.39	-0.09	-8.89e-04	0.83	0.86
281	17	0.93	0.85	1.94e-06	-0.12	0.0	3.39e-03	-0.26	-0.09	-8.75e-04	0.85	0.93
		0.86	0.83	5.54e-06	0.0	20.0	3.39e-03	-0.39	-0.09	-8.75e-04	0.83	0.86
281	18	1.29	1.47	2.23e-06	-0.12	0.0	6.25e-03	-0.57	-0.17	-1.41e-03	1.47	1.29
		1.17	1.44	1.00e-05	0.0	20.0	6.25e-03	-0.69	-0.17	-1.41e-03	1.44	1.17
281	28	-1.64	5.73	5.73e-06	-0.12	0.0	-0.99	0.96	5.14	4.64e-03	4.77	-1.82
		-1.82	4.77	-2.14e-04	0.0	20.0	-0.99	0.84	5.14	4.64e-03	5.73	-1.64
281	29	4.41	-1.84	-2.43e-06	-0.12	0.0	1.00	-2.09	-5.47	-7.46e-03	-1.84	4.41
		3.98	-2.86	2.35e-04	0.0	20.0	1.00	-2.22	-5.47	-7.46e-03	-2.86	3.98
281	36	-0.94	5.24	5.55e-06	-0.12	0.0	-1.16	0.55	4.03	-8.69e-03	4.46	-1.03
		-1.03	4.46	-1.84e-04	0.0	20.0	-1.16	0.43	4.03	-8.69e-03	5.24	-0.94
281	37	3.62	-1.52	-2.03e-06	-0.12	0.0	1.17	-1.69	-4.36	5.87e-03	-1.52	3.62
		3.27	-2.37	2.04e-04	0.0	20.0	1.17	-1.81	-4.36	5.87e-03	-2.37	3.27
281	60	-0.91	4.61	4.73e-06	-0.12	0.0	-0.73	0.56	3.75	3.30e-03	3.92	-1.01
		-1.01	3.92	-1.55e-04	0.0	20.0	-0.73	0.44	3.75	3.30e-03	4.61	-0.91
281	61	3.60	-0.98	-1.57e-06	-0.12	0.0	0.75	-1.70	-4.08	-6.12e-03	-0.98	3.60
		3.25	-1.74	1.75e-04	0.0	20.0	0.75	-1.82	-4.08	-6.12e-03	-1.74	3.25
281	68	-0.39	4.27	4.67e-06	-0.12	0.0	-0.87	0.26	2.95	-6.95e-03	3.70	-0.43
		-0.43	3.70	-1.34e-04	0.0	20.0	-0.87	0.14	2.95	-6.95e-03	4.27	-0.39
281	69	3.02	-0.76	-1.31e-06	-0.12	0.0	0.88	-1.40	-3.28	4.13e-03	-0.76	3.02
		2.73	-1.40	1.54e-04	0.0	20.0	0.88	-1.52	-3.28	4.13e-03	-1.40	2.73
281	92	-0.67	4.24	4.44e-06	-0.12	0.0	-0.65	0.44	3.30	2.79e-03	3.64	-0.75
		-0.75	3.64	-1.36e-04	0.0	20.0	-0.65	0.31	3.30	2.79e-03	4.24	-0.67
281	93	3.33	-0.70	-1.31e-06	-0.12	0.0	0.66	-1.57	-3.64	-5.61e-03	-0.70	3.33
		3.01	-1.37	1.56e-04	0.0	20.0	0.66	-1.69	-3.64	-5.61e-03	-1.37	3.01
281	100	-0.21	3.95	4.39e-06	-0.12	0.0	-0.77	0.17	2.59	-6.33e-03	3.45	-0.24
		-0.24	3.45	-1.18e-04	0.0	20.0	-0.77	0.05	2.59	-6.33e-03	3.95	-0.21
281	101	2.82	-0.51	-1.09e-06	-0.12	0.0	0.78	-1.30	-2.92	3.51e-03	-0.51	2.82
		2.55	-1.08	1.38e-04	0.0	20.0	0.78	-1.42	-2.92	3.51e-03	-1.08	2.55
281	124	-2.22	6.62	6.50e-06	-0.12	0.0	-1.18	1.27	6.24	5.65e-03	5.46	-2.46
		-2.46	5.46	-2.62e-04	0.0	20.0	-1.18	1.15	6.24	5.65e-03	6.62	-2.22
281	125	5.05	-2.52	-3.15e-06	-0.12	0.0	1.19	-2.41	-6.57	-8.47e-03	-2.52	5.05
		4.56	-3.75	2.82e-04	0.0	20.0	1.19	-2.53	-6.57	-8.47e-03	-3.75	4.56
281	132	-1.37	6.03	6.25e-06	-0.12	0.0	-1.39	0.78	4.89	-0.01	5.08	-1.52
		-1.52	5.08	-2.24e-04	0.0	20.0	-1.39	0.66	4.89	-0.01	6.03	-1.37
281	133	4.10	-2.14	-2.64e-06	-0.12	0.0	1.40	-1.92	-5.23	7.33e-03	-2.14	4.10
		3.70	-3.16	2.44e-04	0.0	20.0	1.40	-2.04	-5.23	7.33e-03	-3.16	3.70
282	2	2.66	4.10	1.68e-04	-0.95	0.0	0.01	-1.64	-3.05	-3.89e-03	4.10	2.66
		0.12	0.45	7.91e-04	0.0	120.0	0.01	-2.59	-3.05	-3.89e-03	0.45	0.12
282	3	0.88	0.83	6.05e-05	-0.73	0.0	1.46e-03	-0.30	-0.62	-9.23e-04	0.83	0.88
		0.08	0.08	1.58e-04	0.0	120.0	1.46e-03	-1.03	-0.62	-9.23e-04	0.08	0.08
282	7	0.89	0.83	6.08e-05	-0.73	0.0	7.65e-04	-0.31	-0.62	-9.63e-04	0.83	0.89
		0.08	0.08	1.60e-04	0.0	120.0	7.65e-04	-1.04	-0.62	-9.63e-04	0.08	0.08
282	9	0.87	0.83	6.13e-05	-0.73	0.0	1.80e-03	-0.29	-0.62	-9.15e-04	0.83	0.87
		0.08	0.09	1.59e-04	0.0	120.0	1.80e-03	-1.03	-0.62	-9.15e-04	0.09	0.08
282	10	1.89	2.84	1.19e-04	-0.73	0.0	9.13e-03	-1.14	-2.11	-2.70e-03	2.84	1.89
		0.09	0.31	5.48e-04	0.0	120.0	9.13e-03	-1.87	-2.11	-2.70e-03	0.31	0.09
282	11	0.88	0.83	6.15e-05	-0.73	0.0	1.34e-03	-0.30	-0.62	-9.42e-04	0.83	0.88
		0.08	0.09	1.60e-04	0.0	120.0	1.34e-03	-1.03	-0.62	-9.42e-04	0.09	0.08
282	13	0.86	0.83	6.10e-05	-0.73	0.0	2.49e-03	-0.29	-0.62	-8.75e-04	0.83	0.86
		0.08	0.09	1.57e-04	0.0	120.0	2.49e-03	-1.02	-0.62	-8.75e-04	0.09	0.08
282	14	1.37	1.84	8.99e-05	-0.73	0.0	6.16e-03	-0.71	-1.36	-1.77e-03	1.84	1.37
		0.08	0.20	3.52e-04	0.0	120.0	6.16e-03	-1.44	-1.36	-1.77e-03	0.20	0.08
282	15	0.86	0.83	6.11e-05	-0.73	0.0	2.26e-03	-0.29	-0.62	-8.89e-04	0.83	0.86
		0.08	0.09	1.58e-04	0.0	120.0	2.26e-03	-1.02	-0.62	-8.89e-04	0.09	0.08
282	17	0.86	0.83	6.10e-05	-0.73	0.0	2.49e-03	-0.29	-0.62	-8.75e-04	0.83	0.86
		0.08	0.09	1.57e-04	0.0	120.0	2.49e-03	-1.02	-0.62	-8.75e-04	0.09	0.08
282	18	1.17	1.44	7.83e-05	-0.73	0.0	4.69e-03	-0.54	-1.07	-1.41e-03	1.44	1.17
		0.08	0.15	2.74e-04	0.0	120.0	4.69e-03	-1.27	-1.07	-1.41e-03	0.15	0.08
282	28	-0.15	5.73	-4.67e-05	-0.73	0.0	-0.48	1.61	-4.24	4.64e-03	5.73	-1.64
		-1.64	0.97	-4.27e-04	0.0	120.0	-0.48	0.88	-4.24	4.64e-03	0.97	-0.15
282	29	3.98	-0.66	2.03e-04	-0.73	0.0	0.49	-2.69	2.11	-7.46e-03	-2.86	3.98
		0.31	-2.86	9.76e-04	0.0	120.0	0.49	-3.42	2.11	-7.46e-03	-0.66	0.31
282	36	-0.09	5.24	-1.12e-05	-0.73	0.0	-0.56	1.07	-3.97	-8.69e-03	5.24	-0.94
		-0.94	0.59	-3.66e-04	0.0	120.0	-0.56	0.34	-3.97	-8.69e-03	0.59	-0.09

282	37	3.27	-0.28	1.68e-04	-0.73	0.0	0.57	-2.15	1.83	5.87e-03	-2.37	3.27
		0.25	-2.37	9.14e-04	0.0	120.0	0.57	-2.88	1.83	5.87e-03	-0.28	0.25
282	60	-0.09	4.61	-1.46e-05	-0.73	0.0	-0.36	1.05	-3.43	3.30e-03	4.61	-0.91
		-0.91	0.76	-2.57e-04	0.0	120.0	-0.36	0.32	-3.43	3.30e-03	0.76	-0.09
282	61	3.24	-0.45	1.71e-04	-0.73	0.0	0.37	-2.13	1.29	-6.12e-03	-1.74	3.24
		0.25	-1.74	7.89e-04	0.0	120.0	0.37	-2.86	1.29	-6.12e-03	-0.45	0.25
282	68	-0.04	4.27	1.19e-05	-0.73	0.0	-0.42	0.65	-3.23	-6.95e-03	4.27	-0.39
		-0.39	0.48	-2.16e-04	0.0	120.0	-0.42	-0.08	-3.23	-6.95e-03	0.48	-0.05
282	69	2.72	-0.17	1.45e-04	-0.73	0.0	0.42	-1.73	1.10	4.13e-03	-1.40	2.72
		0.21	-1.40	7.49e-04	0.0	120.0	0.42	-2.46	1.10	4.13e-03	-0.17	0.21
282	92	-0.07	4.24	-4.05e-06	-0.73	0.0	-0.32	0.87	-3.16	2.79e-03	4.24	-0.67
		-0.67	0.69	-2.07e-04	0.0	120.0	-0.32	0.14	-3.16	2.79e-03	0.69	-0.07
282	93	3.01	-0.39	1.61e-04	-0.73	0.0	0.33	-1.95	1.03	-5.61e-03	-1.37	3.01
		0.23	-1.37	7.30e-04	0.0	120.0	0.33	-2.68	1.03	-5.61e-03	-0.39	0.23
282	100	4.59e-03	3.95	1.94e-05	-0.73	0.0	-0.37	0.52	-2.99	-6.33e-03	3.95	-0.21
		-0.21	0.44	-1.74e-04	0.0	120.0	-0.37	-0.21	-2.99	-6.33e-03	0.44	-0.03
282	101	2.55	-0.13	1.37e-04	-0.73	0.0	0.38	-1.60	0.85	3.51e-03	-1.08	2.55
		0.19	-1.08	6.94e-04	0.0	120.0	0.38	-2.33	0.85	3.51e-03	-0.13	0.19
282	124	-0.20	6.62	-7.22e-05	-0.73	0.0	-0.58	2.05	-4.90	5.65e-03	6.62	-2.22
		-2.22	1.12	-5.76e-04	0.0	120.0	-0.58	1.32	-4.90	5.65e-03	1.12	-0.20
282	125	4.55	-0.81	2.29e-04	-0.73	0.0	0.59	-3.13	2.76	-8.47e-03	-3.75	4.55
		0.36	-3.75	1.12e-03	0.0	120.0	0.59	-3.86	2.76	-8.47e-03	-0.81	0.36
282	132	-0.13	6.03	-2.97e-05	-0.73	0.0	-0.68	1.40	-4.56	-0.01	6.03	-1.37
		-1.37	0.68	-4.99e-04	0.0	120.0	-0.68	0.67	-4.56	-0.01	0.68	-0.13
282	133	3.70	-0.37	1.86e-04	-0.73	0.0	0.69	-2.48	2.43	7.33e-03	-3.16	3.70
		0.29	-3.16	1.05e-03	0.0	120.0	0.69	-3.21	2.43	7.33e-03	-0.37	0.29
283	2	0.10	0.45	1.93e-05	-0.08	0.0	-1.14e-03	-0.92	-4.47	-3.89e-03	0.45	0.10
		0.0	0.0	9.01e-05	0.0	10.0	-1.14e-03	-1.00	-4.47	-3.89e-03	0.0	0.0
283	3	0.07	0.08	7.16e-06	-0.06	0.0	-1.98e-03	-0.72	-0.84	-9.23e-04	0.08	0.07
		0.0	0.0	1.80e-05	0.0	10.0	-1.98e-03	-0.78	-0.84	-9.23e-04	0.0	0.0
283	4	0.07	0.42	1.70e-05	-0.06	0.0	-9.81e-04	-0.72	-4.17	-3.60e-03	0.42	0.07
		0.0	0.0	8.44e-05	0.0	10.0	-9.81e-04	-0.78	-4.17	-3.60e-03	0.0	0.0
283	5	0.10	0.11	9.49e-06	-0.08	0.0	-3.28e-03	-0.93	-1.12	-1.25e-03	0.11	0.10
		0.0	0.0	2.38e-05	0.0	10.0	-3.28e-03	-1.01	-1.12	-1.25e-03	0.0	0.0
283	9	0.07	0.09	7.21e-06	-0.06	0.0	-1.44e-03	-0.71	-0.87	-9.15e-04	0.09	0.07
		0.0	0.0	1.81e-05	0.0	10.0	-1.44e-03	-0.77	-0.87	-9.15e-04	0.0	0.0
283	10	0.07	0.31	1.38e-05	-0.06	0.0	-7.74e-04	-0.71	-3.08	-2.70e-03	0.31	0.07
		0.0	0.0	6.23e-05	0.0	10.0	-7.74e-04	-0.77	-3.08	-2.70e-03	0.0	0.0
283	11	0.07	0.09	7.23e-06	-0.06	0.0	-2.20e-03	-0.72	-0.85	-9.42e-04	0.09	0.07
		0.0	0.0	1.82e-05	0.0	10.0	-2.20e-03	-0.78	-0.85	-9.42e-04	0.0	0.0
283	13	0.07	0.09	7.16e-06	-0.06	0.0	-2.91e-04	-0.70	-0.88	-8.75e-04	0.09	0.07
		0.0	0.0	1.80e-05	0.0	10.0	-2.91e-04	-0.77	-0.88	-8.75e-04	0.0	0.0
283	14	0.07	0.20	1.04e-05	-0.06	0.0	4.17e-05	-0.70	-1.99	-1.77e-03	0.20	0.07
		0.0	0.0	4.01e-05	0.0	10.0	4.17e-05	-0.77	-1.99	-1.77e-03	0.0	0.0
283	15	0.07	0.09	7.18e-06	-0.06	0.0	-6.74e-04	-0.71	-0.88	-8.89e-04	0.09	0.07
		0.0	0.0	1.80e-05	0.0	10.0	-6.74e-04	-0.77	-0.88	-8.89e-04	0.0	0.0
283	17	0.07	0.09	7.16e-06	-0.06	0.0	-2.91e-04	-0.70	-0.88	-8.75e-04	0.09	0.07
		0.0	0.0	1.80e-05	0.0	10.0	-2.91e-04	-0.77	-0.88	-8.75e-04	0.0	0.0
283	18	0.07	0.15	9.13e-06	-0.06	0.0	-9.13e-05	-0.70	-1.55	-1.41e-03	0.15	0.07
		0.0	0.0	3.13e-05	0.0	10.0	-9.13e-05	-0.77	-1.55	-1.41e-03	0.0	0.0
283	28	0.0	0.97	-6.41e-06	-0.06	0.0	0.14	1.51	-9.66	4.64e-03	0.97	-0.15
		-0.15	0.0	2.33e-05	0.0	10.0	0.14	1.45	-9.66	4.64e-03	0.0	0.0
283	29	0.30	0.0	2.47e-05	-0.06	0.0	-0.14	-2.92	6.57	-7.46e-03	-0.66	0.30
		0.0	-0.66	3.92e-05	0.0	10.0	-0.14	-2.98	6.57	-7.46e-03	0.0	0.0
283	32	0.0	0.97	-6.32e-06	-0.06	0.0	0.13	1.50	-9.70	4.63e-03	0.97	-0.15
		-0.15	0.0	2.39e-05	0.0	10.0	0.13	1.44	-9.70	4.63e-03	0.0	0.0
283	33	0.29	0.0	2.46e-05	-0.06	0.0	-0.13	-2.91	6.61	-7.45e-03	-0.66	0.29
		0.0	-0.66	3.86e-05	0.0	10.0	-0.13	-2.97	6.61	-7.45e-03	0.0	0.0
283	40	0.0	0.68	-3.46e-06	-0.06	0.0	0.27	1.10	-6.76	-4.40e-03	0.68	-0.11
		-0.11	0.0	2.90e-05	0.0	10.0	0.27	1.04	-6.76	-4.40e-03	0.0	0.0
283	41	0.25	0.0	2.17e-05	-0.06	0.0	-0.27	-2.51	3.67	1.57e-03	-0.37	0.25
		0.0	-0.37	3.35e-05	0.0	10.0	-0.27	-2.57	3.67	1.57e-03	0.0	0.0
283	60	0.0	0.76	-2.36e-06	-0.06	0.0	0.12	0.94	-7.63	3.30e-03	0.76	-0.09
		-0.09	0.0	2.57e-05	0.0	10.0	0.12	0.88	-7.63	3.30e-03	0.0	0.0
283	61	0.24	0.0	2.06e-05	-0.06	0.0	-0.12	-2.35	4.54	-6.12e-03	-0.45	0.24
		0.0	-0.45	3.68e-05	0.0	10.0	-0.12	-2.41	4.54	-6.12e-03	0.0	0.0
283	64	0.0	0.77	-2.27e-06	-0.06	0.0	0.11	0.92	-7.65	3.29e-03	0.77	-0.09
		-0.09	0.0	2.62e-05	0.0	10.0	0.11	0.86	-7.65	3.29e-03	0.0	0.0
283	65	0.24	0.0	2.05e-05	-0.06	0.0	-0.11	-2.33	4.56	-6.11e-03	-0.46	0.24
		0.0	-0.46	3.63e-05	0.0	10.0	-0.11	-2.39	4.56	-6.11e-03	0.0	0.0
283	72	0.0	0.54	0.0	-0.06	0.0	0.23	0.64	-5.41	-3.64e-03	0.54	-0.06
		-0.06	0.0	2.91e-05	0.0	10.0	0.23	0.57	-5.41	-3.64e-03	0.0	0.0
283	73	0.21	0.0	1.85e-05	-0.06	0.0	-0.23	-2.04	2.32	8.21e-04	-0.23	0.21
		0.0	-0.23	3.34e-05	0.0	10.0	-0.23	-2.10	2.32	8.21e-04	0.0	0.0
283	92	0.0	0.69	-1.04e-06	-0.06	0.0	0.11	0.75	-6.95	2.79e-03	0.69	-0.07

		-0.07	0.0	2.64e-05	0.0	10.0	0.11	0.69	-6.95	2.79e-03	0.0	0.0
283	93	0.22	0.0	1.93e-05	-0.06	0.0	-0.11	-2.16	3.86	-5.61e-03	-0.39	0.22
		0.0	-0.39	3.61e-05	0.0	10.0	-0.11	-2.22	3.86	-5.61e-03	0.0	0.0
283	96	0.0	0.70	0.0	-0.06	0.0	0.10	0.74	-6.97	2.78e-03	0.70	-0.07
		-0.07	0.0	2.68e-05	0.0	10.0	0.10	0.68	-6.97	2.78e-03	0.0	0.0
283	97	0.22	0.0	1.92e-05	-0.06	0.0	-0.10	-2.15	3.87	-5.61e-03	-0.39	0.22
		0.0	-0.39	3.57e-05	0.0	10.0	-0.10	-2.21	3.87	-5.61e-03	0.0	0.0
283	104	0.0	0.50	0.0	-0.06	0.0	0.21	0.48	-4.97	-3.39e-03	0.50	-0.05
		-0.05	0.0	2.93e-05	0.0	10.0	0.21	0.42	-4.97	-3.39e-03	0.0	0.0
283	105	0.19	0.0	1.74e-05	-0.06	0.0	-0.21	-1.89	1.88	5.67e-04	-0.19	0.19
		0.0	-0.19	3.32e-05	0.0	10.0	-0.21	-1.95	1.88	5.67e-04	0.0	0.0
283	124	0.0	1.12	-9.63e-06	-0.06	0.0	0.16	1.97	-11.22	5.65e-03	1.12	-0.19
		-0.19	0.0	2.12e-05	0.0	10.0	0.16	1.91	-11.22	5.65e-03	0.0	0.0
283	125	0.34	0.0	2.79e-05	-0.06	0.0	-0.16	-3.38	8.13	-8.47e-03	-0.81	0.34
		0.0	-0.81	4.13e-05	0.0	10.0	-0.16	-3.44	8.13	-8.47e-03	0.0	0.0
283	128	0.0	1.13	-9.52e-06	-0.06	0.0	0.15	1.95	-11.26	5.63e-03	1.13	-0.19
		-0.19	0.0	2.20e-05	0.0	10.0	0.15	1.89	-11.26	5.63e-03	0.0	0.0
283	129	0.34	0.0	2.78e-05	-0.06	0.0	-0.15	-3.36	8.17	-8.45e-03	-0.82	0.34
		0.0	-0.82	4.05e-05	0.0	10.0	-0.15	-3.42	8.17	-8.45e-03	0.0	0.0
283	136	0.0	0.78	-6.07e-06	-0.06	0.0	0.31	1.48	-7.80	-5.08e-03	0.78	-0.14
		-0.14	0.0	2.84e-05	0.0	10.0	0.31	1.42	-7.80	-5.08e-03	0.0	0.0
283	137	0.29	0.0	2.43e-05	-0.06	0.0	-0.31	-2.89	4.71	2.25e-03	-0.47	0.29
		0.0	-0.47	3.41e-05	0.0	10.0	-0.31	-2.95	4.71	2.25e-03	0.0	0.0
285	1	0.04	0.02	-1.35e-04	-0.67	0.0	16.91	1.32	-4.17e-03	-3.54e-03	0.02	-1.53
		-1.53	0.01	-9.43e-05	0.0	160.0	16.91	0.65	-4.17e-03	-3.54e-03	0.01	0.04
285	4	-0.28	0.30	-5.33e-05	-0.51	0.0	12.67	1.11	-0.06	-7.83e-03	0.30	-1.65
		-1.65	0.20	-4.43e-05	0.0	160.0	12.67	0.60	-0.06	-7.83e-03	0.20	-0.28
285	6	-0.26	0.23	-8.39e-05	-0.67	0.0	16.56	1.41	-0.05	-9.89e-03	0.23	-1.98
		-1.98	0.15	-9.69e-05	0.0	160.0	16.56	0.75	-0.05	-9.89e-03	0.15	-0.26
285	8	-0.29	0.27	-4.49e-05	-0.51	0.0	12.64	1.11	-0.06	-9.26e-03	0.27	-1.66
		-1.66	0.18	-9.67e-05	0.0	160.0	12.64	0.60	-0.06	-9.26e-03	0.18	-0.29
285	9	0.06	0.02	-1.07e-04	-0.51	0.0	13.04	1.01	-4.46e-03	-1.92e-03	0.02	-1.15
		-1.15	0.01	-6.02e-05	0.0	160.0	13.04	0.49	-4.46e-03	-1.92e-03	0.01	0.06
285	10	-0.14	0.18	-7.84e-05	-0.51	0.0	12.82	1.07	-0.04	-5.20e-03	0.18	-1.44
		-1.44	0.12	-2.70e-05	0.0	160.0	12.82	0.56	-0.04	-5.20e-03	0.12	-0.14
285	12	-0.15	0.16	-7.28e-05	-0.51	0.0	12.80	1.07	-0.03	-6.16e-03	0.16	-1.45
		-1.45	0.11	-6.31e-05	0.0	160.0	12.80	0.56	-0.03	-6.16e-03	0.11	-0.15
285	13	0.15	-0.02	-1.28e-04	-0.51	0.0	13.16	0.98	5.20e-03	9.81e-04	-0.02	-1.00
		-1.00	-0.02	5.91e-06	0.0	160.0	13.16	0.46	5.20e-03	9.81e-04	-0.02	0.15
285	14	0.06	0.05	-1.14e-04	-0.51	0.0	13.05	1.01	-0.01	-6.60e-04	0.05	-1.14
		-1.14	0.04	3.46e-05	0.0	160.0	13.05	0.49	-0.01	-6.60e-04	0.04	0.06
285	17	0.15	-0.02	-1.28e-04	-0.51	0.0	13.16	0.98	5.20e-03	9.81e-04	-0.02	-1.00
		-1.00	-0.02	5.91e-06	0.0	160.0	13.16	0.46	5.20e-03	9.81e-04	-0.02	0.15
285	18	0.10	0.02	-1.20e-04	-0.51	0.0	13.10	0.99	-4.55e-03	-3.61e-06	0.02	-1.08
		-1.08	0.01	2.22e-05	0.0	160.0	13.10	0.48	-4.55e-03	-3.61e-06	0.01	0.10
285	19	-1.97	2.82	-9.92e-04	-0.51	0.0	21.80	1.63	-0.66	0.08	2.82	-4.16
		-4.16	1.86	8.39e-04	0.0	160.0	21.80	1.11	-0.66	0.08	1.86	-1.97
285	22	2.20	-1.83	7.53e-04	-0.51	0.0	4.39	0.36	0.65	-0.08	-2.78	2.00
		2.00	-2.78	-7.95e-04	0.0	160.0	4.39	-0.15	0.65	-0.08	-1.83	2.17
285	36	-5.84	5.32	8.34e-04	-0.51	0.0	9.23	2.82	-1.16	0.12	5.32	-9.94
		-9.94	3.49	-1.07e-03	0.0	160.0	9.23	2.31	-1.16	0.12	3.49	-5.84
285	37	7.77	-3.46	-1.07e-03	-0.51	0.0	16.96	-0.83	1.16	-0.12	-5.27	7.77
		6.03	-5.27	1.09e-03	0.0	160.0	16.96	-1.35	1.16	-0.12	-3.46	6.03
285	40	-5.88	5.28	8.28e-04	-0.51	0.0	8.82	2.83	-1.16	0.12	5.28	-10.00
		-10.00	3.47	-9.78e-04	0.0	160.0	8.82	2.32	-1.16	0.12	3.47	-5.88
285	41	7.83	-3.44	-1.07e-03	-0.51	0.0	17.37	-0.85	1.15	-0.12	-5.24	7.83
		6.07	-5.24	9.96e-04	0.0	160.0	17.37	-1.36	1.15	-0.12	-3.44	6.07
285	51	-1.44	2.09	-7.71e-04	-0.51	0.0	19.50	1.46	-0.49	0.06	2.09	-3.38
		-3.38	1.39	5.96e-04	0.0	160.0	19.50	0.95	-0.49	0.06	1.39	-1.44
285	54	1.64	-1.36	5.32e-04	-0.51	0.0	6.69	0.52	0.48	-0.06	-2.05	1.21
		1.21	-2.05	-5.52e-04	0.0	160.0	6.69	0.01	0.48	-0.06	-1.36	1.64
285	68	-4.38	4.00	6.01e-04	-0.51	0.0	10.19	2.37	-0.87	0.09	4.00	-7.77
		-7.77	2.63	-7.92e-04	0.0	160.0	10.19	1.86	-0.87	0.09	2.63	-4.38
285	69	5.60	-2.60	-8.40e-04	-0.51	0.0	16.01	-0.39	0.87	-0.09	-3.96	5.60
		4.58	-3.96	8.10e-04	0.0	160.0	16.01	-0.90	0.87	-0.09	-2.60	4.58
285	72	-4.42	3.97	5.95e-04	-0.51	0.0	9.91	2.39	-0.87	0.09	3.97	-7.83
		-7.83	2.61	-7.33e-04	0.0	160.0	9.91	1.87	-0.87	0.09	2.61	-4.42
285	73	5.66	-2.59	-8.33e-04	-0.51	0.0	16.28	-0.40	0.86	-0.09	-3.93	5.66
		4.62	-3.93	7.51e-04	0.0	160.0	16.28	-0.91	0.86	-0.09	-2.59	4.62
285	83	-1.27	1.85	-6.97e-04	-0.51	0.0	18.76	1.41	-0.43	0.05	1.85	-3.12
		-3.12	1.23	5.26e-04	0.0	160.0	18.76	0.90	-0.43	0.05	1.23	-1.27
285	86	1.46	-1.20	4.58e-04	-0.51	0.0	7.43	0.58	0.42	-0.05	-1.81	0.95
		0.95	-1.81	-4.82e-04	0.0	160.0	7.43	0.07	0.42	-0.05	-1.20	1.46
285	100	-3.88	3.55	5.21e-04	-0.51	0.0	10.51	2.22	-0.78	0.08	3.55	-7.02
		-7.02	2.34	-7.00e-04	0.0	160.0	10.51	1.71	-0.78	0.08	2.34	-3.88

285	101	4.85	-2.31	-7.59e-04	-0.51	0.0	15.68	-0.23	0.77	-0.08	-3.51	4.85
		4.08	-3.51	7.19e-04	0.0	160.0	15.68	-0.74	0.77	-0.08	-2.31	4.08
285	104	-3.92	3.53	5.16e-04	-0.51	0.0	10.27	2.23	-0.77	0.08	3.53	-7.07
		-7.07	2.32	-6.49e-04	0.0	160.0	10.27	1.72	-0.77	0.08	2.32	-3.92
285	105	4.91	-2.29	-7.53e-04	-0.51	0.0	15.92	-0.24	0.76	-0.08	-3.49	4.91
		4.11	-3.49	6.67e-04	0.0	160.0	15.92	-0.75	0.76	-0.08	-2.29	4.11
285	115	-2.38	3.39	-1.17e-03	-0.51	0.0	23.52	1.75	-0.79	0.10	3.39	-4.78
		-4.78	2.23	1.03e-03	0.0	160.0	23.52	1.24	-0.79	0.10	2.23	-2.38
285	118	2.70	-2.20	9.29e-04	-0.51	0.0	2.67	0.24	0.78	-0.10	-3.35	2.61
		2.58	-3.35	-9.82e-04	0.0	160.0	2.67	-0.28	0.78	-0.10	-2.20	2.58
285	132	-7.05	6.42	1.03e-03	-0.51	0.0	8.45	3.20	-1.40	0.14	6.42	-11.75
		-11.75	4.21	-1.30e-03	0.0	160.0	8.45	2.68	-1.40	0.14	4.21	-7.05
285	133	9.59	-4.18	-1.27e-03	-0.51	0.0	17.74	-1.21	1.39	-0.14	-6.37	9.59
		7.25	-6.37	1.32e-03	0.0	160.0	17.74	-1.72	1.39	-0.14	-4.18	7.25
285	136	-7.10	6.37	1.02e-03	-0.51	0.0	7.95	3.21	-1.39	0.15	6.37	-11.82
		-11.82	4.18	-1.18e-03	0.0	160.0	7.95	2.70	-1.39	0.15	4.18	-7.10
285	137	9.65	-4.15	-1.26e-03	-0.51	0.0	18.24	-1.22	1.39	-0.15	-6.33	9.65
		7.29	-6.33	1.20e-03	0.0	160.0	18.24	-1.73	1.39	-0.15	-4.15	7.29
286	3	0.21	0.03	1.77e-05	-0.51	0.0	13.62	0.37	0.02	-5.91e-03	0.0	0.0
		0.0	0.0	-2.20e-04	0.0	160.0	13.62	-0.15	0.02	-5.91e-03	0.03	0.18
286	4	0.37	0.15	2.15e-05	-0.51	0.0	14.06	0.49	0.09	-0.01	0.0	0.0
		0.0	0.0	-6.14e-04	0.0	160.0	14.06	-0.03	0.09	-0.01	0.15	0.37
286	5	0.32	0.04	1.83e-05	-0.67	0.0	17.82	0.51	0.02	-9.53e-03	0.0	0.0
		0.0	0.0	-3.01e-04	0.0	160.0	17.82	-0.15	0.02	-9.53e-03	0.04	0.29
286	6	0.43	0.12	2.09e-05	-0.67	0.0	18.13	0.60	0.07	-0.01	0.0	0.0
		0.0	0.0	-5.76e-04	0.0	160.0	18.13	-0.07	0.07	-0.01	0.12	0.43
286	9	0.19	0.01	1.61e-05	-0.51	0.0	13.54	0.34	7.23e-03	-3.87e-03	0.0	0.0
		0.0	0.0	-1.07e-04	0.0	160.0	13.54	-0.17	7.23e-03	-3.87e-03	0.01	0.14
286	10	0.28	0.09	1.86e-05	-0.51	0.0	13.83	0.42	0.06	-8.97e-03	0.0	0.0
		0.0	0.0	-3.69e-04	0.0	160.0	13.83	-0.09	0.06	-8.97e-03	0.09	0.27
286	11	0.23	0.03	1.57e-05	-0.51	0.0	13.66	0.38	0.02	-6.43e-03	0.0	0.0
		0.0	0.0	-2.14e-04	0.0	160.0	13.66	-0.13	0.02	-6.43e-03	0.03	0.20
286	12	0.30	0.08	1.75e-05	-0.51	0.0	13.86	0.44	0.05	-0.01	0.0	0.0
		0.0	0.0	-3.98e-04	0.0	160.0	13.86	-0.08	0.05	-0.01	0.08	0.29
286	13	0.13	0.0	1.68e-05	-0.51	0.0	13.36	0.29	-7.66e-03	-1.87e-05	0.0	0.0
		0.0	-0.01	5.47e-05	0.0	160.0	13.36	-0.22	-7.66e-03	-1.87e-05	-0.01	0.06
286	14	0.17	0.03	1.80e-05	-0.51	0.0	13.51	0.33	0.02	-2.57e-03	0.0	0.0
		0.0	0.0	-7.66e-05	0.0	160.0	13.51	-0.18	0.02	-2.57e-03	0.03	0.12
286	16	0.17	0.02	1.73e-05	-0.51	0.0	13.51	0.33	0.01	-2.83e-03	0.0	0.0
		0.0	0.0	-7.79e-05	0.0	160.0	13.51	-0.18	0.01	-2.83e-03	0.02	0.12
286	17	0.13	0.0	1.68e-05	-0.51	0.0	13.36	0.29	-7.66e-03	-1.87e-05	0.0	0.0
		0.0	-0.01	5.47e-05	0.0	160.0	13.36	-0.22	-7.66e-03	-1.87e-05	-0.01	0.06
286	18	0.16	0.01	1.75e-05	-0.51	0.0	13.45	0.32	7.09e-03	-1.55e-03	0.0	0.0
		0.0	0.0	-2.41e-05	0.0	160.0	13.45	-0.20	7.09e-03	-1.55e-03	0.01	0.10
286	36	4.87	2.60	1.81e-04	-0.51	0.0	23.34	3.30	1.63	-0.13	0.0	0.0
		0.0	0.0	-9.14e-03	0.0	160.0	23.34	2.79	1.63	-0.13	2.60	4.87
286	37	0.0	0.0	-1.46e-04	-0.51	0.0	3.56	-2.67	-1.61	0.13	0.0	0.0
		-4.68	-2.58	9.09e-03	0.0	160.0	3.56	-3.18	-1.61	0.13	-2.58	-4.68
286	48	4.73	2.56	1.56e-04	-0.51	0.0	23.67	3.21	1.60	-0.15	0.0	0.0
		0.0	0.0	-9.44e-03	0.0	160.0	23.67	2.70	1.60	-0.15	2.56	4.73
286	49	0.0	0.0	-1.21e-04	-0.51	0.0	3.23	-2.58	-1.58	0.15	0.0	0.0
		-4.54	-2.53	9.39e-03	0.0	160.0	3.23	-3.09	-1.58	0.15	-2.53	-4.54
286	68	3.69	1.96	1.40e-04	-0.51	0.0	20.96	2.56	1.22	-0.10	0.0	0.0
		0.0	0.0	-6.89e-03	0.0	160.0	20.96	2.05	1.22	-0.10	1.96	3.69
286	69	0.0	0.0	-1.05e-04	-0.51	0.0	5.95	-1.93	-1.21	0.10	0.0	0.0
		-3.50	-1.94	6.84e-03	0.0	160.0	5.95	-2.44	-1.21	0.10	-1.94	-3.50
286	80	3.61	1.92	1.21e-04	-0.51	0.0	21.20	2.51	1.20	-0.12	0.0	0.0
		0.0	0.0	-7.13e-03	0.0	160.0	21.20	2.00	1.20	-0.12	1.92	3.61
286	81	0.0	0.0	-8.62e-05	-0.51	0.0	5.70	-1.88	-1.19	0.11	0.0	0.0
		-3.41	-1.90	7.08e-03	0.0	160.0	5.70	-2.39	-1.19	0.11	-1.90	-3.41
286	100	3.29	1.74	1.26e-04	-0.51	0.0	20.12	2.31	1.09	-0.09	0.0	0.0
		0.0	0.0	-6.12e-03	0.0	160.0	20.12	1.80	1.09	-0.09	1.74	3.29
286	101	0.0	0.0	-9.13e-05	-0.51	0.0	6.78	-1.68	-1.07	0.09	0.0	0.0
		-3.10	-1.72	6.07e-03	0.0	160.0	6.78	-2.19	-1.07	0.09	-1.72	-3.10
286	112	3.21	1.71	1.09e-04	-0.51	0.0	20.33	2.26	1.07	-0.10	0.0	0.0
		0.0	0.0	-6.33e-03	0.0	160.0	20.33	1.75	1.07	-0.10	1.71	3.21
286	113	0.0	0.0	-7.45e-05	-0.51	0.0	6.57	-1.63	-1.05	0.10	0.0	0.0
		-3.02	-1.69	6.29e-03	0.0	160.0	6.57	-2.14	-1.05	0.10	-1.69	-3.02
286	132	5.84	3.14	2.16e-04	-0.51	0.0	25.39	3.91	1.96	-0.16	0.0	0.0
		0.0	0.0	-0.01	0.0	160.0	25.39	3.40	1.96	-0.16	3.14	5.84
286	133	0.0	0.0	-1.81e-04	-0.51	0.0	1.52	-3.27	-1.95	0.16	0.0	0.0
		-5.65	-3.11	0.01	0.0	160.0	1.52	-3.79	-1.95	0.16	-3.11	-5.65
286	144	5.67	3.09	1.85e-04	-0.51	0.0	25.80	3.80	1.93	-0.18	0.0	0.0
		0.0	0.0	-0.01	0.0	160.0	25.80	3.29	1.93	-0.18	3.09	5.67
286	145	0.0	0.0	-1.50e-04	-0.51	0.0	1.10	-3.17	-1.92	0.18	0.0	0.0

		-5.47	-3.07	0.01	0.0	160.0	1.10	-3.68	-1.92	0.18	-3.07	-5.47
287	1	0.54	0.01	1.12e-04	-1.33	0.0	16.81	0.67	3.88e-03	9.12e-04	0.0	0.0
		0.0	0.0	-2.42e-04	0.0	320.0	16.81	-0.66	3.88e-03	9.12e-04	0.01	6.21e-03
287	4	0.27	0.0	1.83e-04	-1.02	0.0	12.51	0.42	-4.98e-03	9.15e-03	0.0	0.0
		-0.30	-0.02	-2.74e-05	0.0	320.0	12.51	-0.61	-4.98e-03	9.15e-03	-0.02	-0.30
287	8	0.26	0.0	1.81e-04	-1.02	0.0	12.47	0.41	-3.38e-03	8.32e-03	0.0	0.0
		-0.33	-0.01	-2.26e-04	0.0	320.0	12.47	-0.62	-3.38e-03	8.32e-03	-0.01	-0.33
287	9	0.42	8.65e-03	7.95e-05	-1.02	0.0	12.97	0.52	2.70e-03	2.62e-04	0.0	0.0
		0.0	0.0	-1.60e-04	0.0	320.0	12.97	-0.50	2.70e-03	2.62e-04	8.65e-03	0.03
287	10	0.33	0.0	1.42e-04	-1.02	0.0	12.70	0.46	-1.95e-03	5.79e-03	0.0	0.0
		-0.16	-6.24e-03	-2.94e-05	0.0	320.0	12.70	-0.56	-1.95e-03	5.79e-03	-6.24e-03	-0.16
287	12	0.32	0.0	1.41e-04	-1.02	0.0	12.68	0.46	-8.81e-04	5.24e-03	0.0	0.0
		-0.18	-2.82e-03	-1.62e-04	0.0	320.0	12.68	-0.57	-8.81e-04	5.24e-03	-2.82e-03	-0.18
287	13	0.48	0.01	5.36e-05	-1.02	0.0	13.13	0.56	3.20e-03	-1.40e-03	0.0	0.0
		0.0	0.0	-2.02e-05	0.0	320.0	13.13	-0.47	3.20e-03	-1.40e-03	0.01	0.14
287	14	0.43	2.78e-03	8.51e-05	-1.02	0.0	13.00	0.53	8.69e-04	1.37e-03	0.0	0.0
		0.0	0.0	4.50e-05	0.0	320.0	13.00	-0.50	8.69e-04	1.37e-03	2.78e-03	0.04
287	15	0.46	9.70e-03	6.22e-05	-1.02	0.0	13.08	0.54	3.03e-03	-8.43e-04	0.0	0.0
		0.0	0.0	-6.68e-05	0.0	320.0	13.08	-0.48	3.03e-03	-8.43e-04	9.70e-03	0.10
287	17	0.48	0.01	5.36e-05	-1.02	0.0	13.13	0.56	3.20e-03	-1.40e-03	0.0	0.0
		0.0	0.0	-2.02e-05	0.0	320.0	13.13	-0.47	3.20e-03	-1.40e-03	0.01	0.14
287	18	0.45	5.76e-03	7.25e-05	-1.02	0.0	13.05	0.54	1.80e-03	2.63e-04	0.0	0.0
		0.0	0.0	1.89e-05	0.0	320.0	13.05	-0.49	1.80e-03	2.63e-04	5.76e-03	0.08
287	19	0.0	0.0	6.89e-04	-1.02	0.0	3.33	-0.47	-0.23	0.07	0.0	0.0
		-3.15	-0.73	1.84e-03	0.0	320.0	3.33	-1.50	-0.23	0.07	-0.73	-3.15
287	22	3.31	0.74	-6.18e-04	-1.02	0.0	22.77	1.55	0.23	-0.07	0.0	0.0
		0.0	0.0	-1.80e-03	0.0	320.0	22.77	0.52	0.23	-0.07	0.74	3.31
287	24	0.0	0.0	1.26e-03	-1.02	0.0	6.71	-1.23	-0.56	0.03	0.0	0.0
		-5.59	-1.81	5.19e-03	0.0	320.0	6.71	-2.26	-0.56	0.03	-1.81	-5.59
287	25	5.75	1.82	-1.18e-03	-1.02	0.0	19.39	2.31	0.57	-0.03	0.0	0.0
		0.0	0.0	-5.15e-03	0.0	320.0	19.39	1.29	0.57	-0.03	1.82	5.75
287	40	0.0	0.0	1.21e-03	-1.02	0.0	16.50	-1.04	-0.70	-0.04	0.0	0.0
		-4.96	-2.23	7.76e-03	0.0	320.0	16.50	-2.06	-0.70	-0.04	-2.23	-4.96
287	41	5.12	2.24	-1.12e-03	-1.02	0.0	9.60	2.11	0.70	0.04	0.0	0.0
		0.0	0.0	-7.72e-03	0.0	320.0	9.60	1.09	0.70	0.04	2.24	5.12
287	51	0.0	0.0	5.28e-04	-1.02	0.0	5.89	-0.21	-0.17	0.05	0.0	0.0
		-2.32	-0.55	1.41e-03	0.0	320.0	5.89	-1.24	-0.17	0.05	-0.55	-2.32
287	54	2.48	0.56	-4.55e-04	-1.02	0.0	20.21	1.29	0.18	-0.05	0.0	0.0
		0.0	0.0	-1.38e-03	0.0	320.0	20.21	0.26	0.18	-0.05	0.56	2.48
287	72	0.0	0.0	9.23e-04	-1.02	0.0	15.59	-0.65	-0.53	-0.03	0.0	0.0
		-3.71	-1.69	5.95e-03	0.0	320.0	15.59	-1.67	-0.53	-0.03	-1.69	-3.71
287	73	3.87	1.70	-8.33e-04	-1.02	0.0	10.51	1.72	0.53	0.03	0.0	0.0
		0.0	0.0	-5.91e-03	0.0	320.0	10.51	0.70	0.53	0.03	1.70	3.87
287	76	0.0	0.0	1.02e-03	-1.02	0.0	15.47	-0.79	-0.51	-0.04	0.0	0.0
		-4.16	-1.62	4.33e-03	0.0	320.0	15.47	-1.81	-0.51	-0.04	-1.62	-4.16
287	77	4.32	1.63	-9.31e-04	-1.02	0.0	10.63	1.86	0.51	0.04	0.0	0.0
		0.0	0.0	-4.29e-03	0.0	320.0	10.63	0.84	0.51	0.04	1.63	4.32
287	83	0.0	0.0	4.76e-04	-1.02	0.0	6.72	-0.13	-0.15	0.05	0.0	0.0
		-2.04	-0.49	1.26e-03	0.0	320.0	6.72	-1.15	-0.15	0.05	-0.49	-2.04
287	86	2.21	0.50	-4.02e-04	-1.02	0.0	19.38	1.20	0.16	-0.05	0.0	0.0
		0.0	0.0	-1.22e-03	0.0	320.0	19.38	0.18	0.16	-0.05	0.50	2.21
287	104	0.0	0.0	8.27e-04	-1.02	0.0	15.30	-0.51	-0.47	-0.03	0.0	0.0
		-3.28	-1.50	5.29e-03	0.0	320.0	15.30	-1.54	-0.47	-0.03	-1.50	-3.28
287	105	3.44	1.51	-7.36e-04	-1.02	0.0	10.80	1.59	0.47	0.03	0.0	0.0
		0.0	0.0	-5.26e-03	0.0	320.0	10.80	0.56	0.47	0.03	1.51	3.44
287	108	0.0	0.0	9.12e-04	-1.02	0.0	15.20	-0.64	-0.45	-0.04	0.0	0.0
		-3.68	-1.44	3.85e-03	0.0	320.0	15.20	-1.66	-0.45	-0.04	-1.44	-3.68
287	109	3.85	1.45	-8.23e-04	-1.02	0.0	10.90	1.71	0.45	0.04	0.0	0.0
		0.0	0.0	-3.81e-03	0.0	320.0	10.90	0.69	0.45	0.04	1.45	3.85
287	115	0.0	0.0	8.17e-04	-1.02	0.0	1.41	-0.68	-0.27	0.08	0.0	0.0
		-3.80	-0.87	2.19e-03	0.0	320.0	1.41	-1.70	-0.27	0.08	-0.87	-3.80
287	118	3.97	0.88	-7.45e-04	-1.02	0.0	24.69	1.75	0.28	-0.08	0.0	0.0
		0.0	0.0	-2.15e-03	0.0	320.0	24.69	0.73	0.28	-0.08	0.88	3.97
287	120	0.0	0.0	1.51e-03	-1.02	0.0	5.45	-1.59	-0.68	0.03	0.0	0.0
		-6.74	-2.17	6.22e-03	0.0	320.0	5.45	-2.62	-0.68	0.03	-2.17	-6.74
287	121	6.90	2.18	-1.43e-03	-1.02	0.0	20.65	2.67	0.68	-0.03	0.0	0.0
		0.0	0.0	-6.19e-03	0.0	320.0	20.65	1.64	0.68	-0.03	2.18	6.90
287	136	0.0	0.0	1.44e-03	-1.02	0.0	17.20	-1.36	-0.84	-0.05	0.0	0.0
		-5.97	-2.67	9.33e-03	0.0	320.0	17.20	-2.38	-0.84	-0.05	-2.67	-5.97
287	137	6.14	2.69	-1.35e-03	-1.02	0.0	8.90	2.43	0.84	0.05	0.0	0.0
		0.0	0.0	-9.29e-03	0.0	320.0	8.90	1.41	0.84	0.05	2.69	6.14
288	1	0.20	0.02	-8.59e-05	-0.67	0.0	17.75	0.87	-5.97e-03	4.93e-03	0.02	-0.67
		-0.67	9.55e-03	-7.31e-05	0.0	160.0	17.75	0.21	-5.97e-03	4.93e-03	9.55e-03	0.20
288	3	0.16	9.93e-03	-7.48e-05	-0.51	0.0	13.70	0.67	-3.10e-03	3.88e-03	9.93e-03	-0.49
		-0.49	4.96e-03	-8.68e-05	0.0	160.0	13.70	0.15	-3.10e-03	3.88e-03	4.96e-03	0.16

288	4	0.33	-0.01	-1.24e-04	-0.51	0.0	14.12	0.56	7.06e-03	0.01	-0.02	-0.16
		-0.16	-0.02	-7.42e-05	0.0	160.0	14.12	0.05	7.06e-03	0.01	-0.01	0.33
288	6	0.39	-2.92e-03	-1.42e-04	-0.67	0.0	18.25	0.75	1.82e-03	0.01	-5.84e-03	-0.28
		-0.28	-5.84e-03	-1.40e-04	0.0	160.0	18.25	0.09	1.82e-03	0.01	-2.92e-03	0.39
288	9	0.13	0.01	-6.34e-05	-0.51	0.0	13.61	0.68	-4.15e-03	3.33e-03	0.01	-0.55
		-0.55	6.64e-03	-4.65e-05	0.0	160.0	13.61	0.17	-4.15e-03	3.33e-03	6.64e-03	0.13
288	10	0.24	-4.21e-03	-9.65e-05	-0.51	0.0	13.89	0.62	2.63e-03	7.78e-03	-8.41e-03	-0.33
		-0.33	-8.41e-03	-3.81e-05	0.0	160.0	13.89	0.10	2.63e-03	7.78e-03	-4.21e-03	0.24
288	12	0.26	-1.67e-03	-1.01e-04	-0.51	0.0	13.94	0.60	1.05e-03	7.53e-03	-3.34e-03	-0.29
		-0.29	-3.34e-03	-9.11e-05	0.0	160.0	13.94	0.09	1.05e-03	7.53e-03	-1.67e-03	0.26
288	13	0.05	0.02	-4.22e-05	-0.51	0.0	13.40	0.74	-4.82e-03	1.70e-03	0.02	-0.71
		-0.71	7.72e-03	2.93e-05	0.0	160.0	13.40	0.22	-4.82e-03	1.70e-03	7.72e-03	0.05
288	14	0.11	4.59e-03	-5.87e-05	-0.51	0.0	13.54	0.70	-1.44e-03	3.92e-03	4.59e-03	-0.61
		-0.61	2.30e-03	3.35e-05	0.0	160.0	13.54	0.19	-1.44e-03	3.92e-03	2.30e-03	0.11
288	16	0.11	8.21e-03	-5.92e-05	-0.51	0.0	13.56	0.70	-2.57e-03	3.58e-03	8.21e-03	-0.59
		-0.59	4.10e-03	6.55e-06	0.0	160.0	13.56	0.19	-2.57e-03	3.58e-03	4.10e-03	0.11
288	17	0.05	0.02	-4.22e-05	-0.51	0.0	13.40	0.74	-4.82e-03	1.70e-03	0.02	-0.71
		-0.71	7.72e-03	2.93e-05	0.0	160.0	13.40	0.22	-4.82e-03	1.70e-03	7.72e-03	0.05
288	18	0.09	8.93e-03	-5.21e-05	-0.51	0.0	13.49	0.71	-2.79e-03	3.03e-03	8.93e-03	-0.65
		-0.65	4.46e-03	3.18e-05	0.0	160.0	13.49	0.20	-2.79e-03	3.03e-03	4.46e-03	0.09
288	24	8.04	-1.18	-1.19e-03	-0.51	0.0	22.72	-1.99	0.49	-0.07	-1.94	8.04
		4.44	-1.94	-2.75e-03	0.0	160.0	22.72	-2.50	0.49	-0.07	-1.18	4.44
288	25	-4.27	1.96	1.08e-03	-0.51	0.0	4.26	3.42	-0.49	0.07	1.96	-9.33
		-9.33	1.19	2.81e-03	0.0	160.0	4.26	2.91	-0.49	0.07	1.19	-4.27
288	40	-1.54	-1.50	-1.15e-03	-0.51	0.0	22.40	1.73	0.59	0.16	-2.42	-3.90
		-3.90	-2.42	-2.78e-03	0.0	160.0	22.40	1.21	0.59	0.16	-1.50	-1.54
288	41	2.60	2.44	1.04e-03	-0.51	0.0	4.58	-0.30	-0.59	-0.15	2.44	2.60
		1.71	1.51	2.84e-03	0.0	160.0	4.58	-0.81	-0.59	-0.15	1.51	1.71
288	44	7.31	-1.37	-1.24e-03	-0.51	0.0	23.85	-1.76	0.57	0.09	-2.27	7.31
		4.07	-2.27	-3.46e-03	0.0	160.0	23.85	-2.28	0.57	0.09	-1.37	4.07
288	45	-3.90	2.29	1.14e-03	-0.51	0.0	3.12	3.19	-0.57	-0.09	2.29	-8.60
		-8.60	1.38	3.52e-03	0.0	160.0	3.12	2.68	-0.57	-0.09	1.38	-3.90
288	56	5.82	-0.89	-9.02e-04	-0.51	0.0	20.45	-1.30	0.37	-0.05	-1.47	5.82
		3.33	-1.47	-2.06e-03	0.0	160.0	20.45	-1.81	0.37	-0.05	-0.89	3.33
288	57	-3.16	1.49	7.98e-04	-0.51	0.0	6.53	2.73	-0.37	0.06	1.49	-7.12
		-7.12	0.90	2.13e-03	0.0	160.0	6.53	2.22	-0.37	0.06	0.90	-3.16
288	72	-1.12	-1.13	-8.79e-04	-0.51	0.0	20.23	1.47	0.44	0.12	-1.84	-3.06
		-3.06	-1.84	-2.08e-03	0.0	160.0	20.23	0.95	0.44	0.12	-1.13	-1.12
288	73	1.76	1.86	7.75e-04	-0.51	0.0	6.74	-0.04	-0.45	-0.12	1.86	1.76
		1.30	1.14	2.14e-03	0.0	160.0	6.74	-0.55	-0.45	-0.12	1.14	1.30
288	76	5.34	-1.04	-9.48e-04	-0.51	0.0	21.34	-1.15	0.43	0.07	-1.72	5.34
		3.09	-1.72	-2.59e-03	0.0	160.0	21.34	-1.66	0.43	0.07	-1.04	3.09
288	77	-2.92	1.74	8.44e-04	-0.51	0.0	5.63	2.58	-0.44	-0.07	1.74	-6.64
		-6.64	1.05	2.65e-03	0.0	160.0	5.63	2.07	-0.44	-0.07	1.05	-2.92
288	88	5.08	-0.79	-8.06e-04	-0.51	0.0	19.67	-1.07	0.33	-0.04	-1.31	5.08
		2.96	-1.31	-1.83e-03	0.0	160.0	19.67	-1.58	0.33	-0.04	-0.79	2.96
288	89	-2.79	1.32	7.02e-04	-0.51	0.0	7.31	2.50	-0.33	0.05	1.32	-6.38
		-6.38	0.80	1.89e-03	0.0	160.0	7.31	1.99	-0.33	0.05	0.80	-2.79
288	104	-0.99	-1.01	-7.87e-04	-0.51	0.0	19.48	1.38	0.39	0.11	-1.63	-2.79
		-2.79	-1.63	-1.84e-03	0.0	160.0	19.48	0.87	0.39	0.11	-1.01	-0.99
288	105	1.49	1.65	6.82e-04	-0.51	0.0	7.50	0.05	-0.40	-0.10	1.65	1.49
		1.16	1.02	1.90e-03	0.0	160.0	7.50	-0.46	-0.40	-0.10	1.02	1.16
288	108	4.66	-0.92	-8.48e-04	-0.51	0.0	20.46	-0.94	0.38	0.07	-1.53	4.66
		2.75	-1.53	-2.29e-03	0.0	160.0	20.46	-1.45	0.38	0.07	-0.92	2.75
288	109	-2.58	1.55	7.44e-04	-0.51	0.0	6.51	2.37	-0.39	-0.06	1.55	-5.96
		-5.96	0.93	2.36e-03	0.0	160.0	6.51	1.86	-0.39	-0.06	0.93	-2.58
288	120	9.76	-1.41	-1.42e-03	-0.51	0.0	24.61	-2.53	0.59	-0.08	-2.34	9.76
		5.31	-2.34	-3.33e-03	0.0	160.0	24.61	-3.04	0.59	-0.08	-1.41	5.31
288	121	-5.14	2.35	1.32e-03	-0.51	0.0	2.37	3.96	-0.59	0.09	2.35	-11.06
		-11.06	1.42	3.39e-03	0.0	160.0	2.37	3.45	-0.59	0.09	1.42	-5.14
288	136	-1.88	-1.80	-1.37e-03	-0.51	0.0	24.22	1.94	0.71	0.19	-2.92	-4.57
		-4.57	-2.92	-3.37e-03	0.0	160.0	24.22	1.42	0.71	0.19	-1.80	-1.88
288	137	3.27	2.93	1.27e-03	-0.51	0.0	2.76	-0.51	-0.71	-0.18	2.93	3.27
		2.05	1.81	3.43e-03	0.0	160.0	2.76	-1.02	-0.71	-0.18	1.81	2.05
288	140	8.89	-1.65	-1.49e-03	-0.51	0.0	25.99	-2.26	0.68	0.11	-2.73	8.89
		4.87	-2.73	-4.19e-03	0.0	160.0	25.99	-2.77	0.68	0.11	-1.65	4.87
288	141	-4.70	2.75	1.38e-03	-0.51	0.0	0.99	3.69	-0.69	-0.10	2.75	-10.19
		-10.19	1.66	4.25e-03	0.0	160.0	0.99	3.18	-0.69	-0.10	1.66	-4.70
289	1	0.03	0.0	-1.14e-04	-0.14	0.0	0.31	0.07	0.0	2.70e-03	0.0	0.0
		0.0	0.0	2.00e-04	0.0	160.0	0.31	-0.07	0.0	2.70e-03	0.0	0.0
289	4	0.02	0.0	-1.10e-04	-0.11	0.0	0.17	0.05	0.0	4.96e-03	0.0	0.0
		0.0	0.0	4.49e-04	0.0	160.0	0.17	-0.05	0.0	4.96e-03	0.0	0.0
289	5	0.03	0.0	-1.18e-04	-0.14	0.0	0.30	0.07	0.0	3.50e-03	0.0	0.0
		0.0	0.0	2.68e-04	0.0	160.0	0.30	-0.07	0.0	3.50e-03	0.0	0.0
289	6	0.03	0.0	-1.47e-04	-0.14	0.0	0.29	0.07	0.0	5.33e-03	0.0	0.0

		0.0	0.0	4.58e-04	0.0	160.0	0.29	-0.07	0.0	5.33e-03	0.0	0.0
289	9	0.02	0.0	-7.81e-05	-0.11	0.0	0.22	0.05	0.0	1.95e-03	0.0	0.0
		0.0	0.0	1.44e-04	0.0	160.0	0.22	-0.05	0.0	1.95e-03	0.0	0.0
289	10	0.02	0.0	-1.05e-04	-0.11	0.0	0.20	0.05	0.0	3.69e-03	0.0	0.0
		0.0	0.0	3.25e-04	0.0	160.0	0.20	-0.05	0.0	3.69e-03	0.0	0.0
289	11	0.02	0.0	-8.11e-05	-0.11	0.0	0.22	0.05	0.0	2.48e-03	0.0	0.0
		0.0	0.0	1.88e-04	0.0	160.0	0.22	-0.05	0.0	2.48e-03	0.0	0.0
289	12	0.02	0.0	-1.00e-04	-0.11	0.0	0.20	0.05	0.0	3.70e-03	0.0	0.0
		0.0	0.0	3.15e-04	0.0	160.0	0.20	-0.05	0.0	3.70e-03	0.0	0.0
289	13	0.02	0.0	-7.38e-05	-0.11	0.0	0.22	0.05	0.0	1.14e-03	0.0	0.0
		0.0	0.0	7.62e-05	0.0	160.0	0.22	-0.05	0.0	1.14e-03	0.0	0.0
289	14	0.02	0.0	-8.72e-05	-0.11	0.0	0.21	0.05	0.0	2.01e-03	0.0	0.0
		0.0	0.0	1.67e-04	0.0	160.0	0.21	-0.05	0.0	2.01e-03	0.0	0.0
289	15	0.02	0.0	-7.52e-05	-0.11	0.0	0.22	0.05	0.0	1.41e-03	0.0	0.0
		0.0	0.0	9.87e-05	0.0	160.0	0.22	-0.05	0.0	1.41e-03	0.0	0.0
289	17	0.02	0.0	-7.38e-05	-0.11	0.0	0.22	0.05	0.0	1.14e-03	0.0	0.0
		0.0	0.0	7.62e-05	0.0	160.0	0.22	-0.05	0.0	1.14e-03	0.0	0.0
289	18	0.02	0.0	-8.17e-05	-0.11	0.0	0.22	0.05	0.0	1.66e-03	0.0	0.0
		0.0	0.0	1.31e-04	0.0	160.0	0.22	-0.05	0.0	1.66e-03	0.0	0.0
289	26	0.02	0.0	5.07e-04	-0.11	0.0	0.38	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-2.38e-03	0.0	160.0	0.38	-0.05	0.0	-0.02	0.0	0.0
289	27	0.02	0.0	-6.93e-04	-0.11	0.0	0.01	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	2.73e-03	0.0	160.0	0.01	-0.05	0.0	0.02	0.0	0.0
289	40	0.02	0.0	-5.04e-04	-0.11	0.0	-0.21	0.05	0.0	0.07	0.0	0.0
		0.0	0.0	8.16e-03	0.0	160.0	-0.21	-0.05	0.0	0.07	0.0	0.0
289	41	0.02	0.0	3.40e-04	-0.11	0.0	0.64	0.05	0.0	-0.06	0.0	0.0
		0.0	0.0	-7.89e-03	0.0	160.0	0.64	-0.05	0.0	-0.06	0.0	0.0
289	43	0.02	0.0	-7.90e-05	-0.11	0.0	0.46	0.05	0.0	-0.04	0.0	0.0
		0.0	0.0	-4.29e-03	0.0	160.0	0.46	-0.05	0.0	-0.04	0.0	0.0
289	46	0.02	0.0	-8.44e-05	-0.11	0.0	-0.02	0.05	0.0	0.04	0.0	0.0
		0.0	0.0	4.55e-03	0.0	160.0	-0.02	-0.05	0.0	0.04	0.0	0.0
289	58	0.02	0.0	3.57e-04	-0.11	0.0	0.34	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-1.75e-03	0.0	160.0	0.34	-0.05	0.0	-0.01	0.0	0.0
289	59	0.02	0.0	-5.38e-04	-0.11	0.0	0.07	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	2.11e-03	0.0	160.0	0.07	-0.05	0.0	0.02	0.0	0.0
289	72	0.02	0.0	-4.04e-04	-0.11	0.0	-0.10	0.05	0.0	0.05	0.0	0.0
		0.0	0.0	6.20e-03	0.0	160.0	-0.10	-0.05	0.0	0.05	0.0	0.0
289	73	0.02	0.0	2.41e-04	-0.11	0.0	0.54	0.05	0.0	-0.05	0.0	0.0
		0.0	0.0	-5.94e-03	0.0	160.0	0.54	-0.05	0.0	-0.05	0.0	0.0
289	75	0.02	0.0	-7.36e-05	-0.11	0.0	0.40	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-3.22e-03	0.0	160.0	0.40	-0.05	0.0	-0.03	0.0	0.0
289	78	0.02	0.0	-9.01e-05	-0.11	0.0	0.04	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	3.48e-03	0.0	160.0	0.04	-0.05	0.0	0.03	0.0	0.0
289	90	0.02	0.0	3.07e-04	-0.11	0.0	0.32	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-1.54e-03	0.0	160.0	0.32	-0.05	0.0	-0.01	0.0	0.0
289	91	0.02	0.0	-4.86e-04	-0.11	0.0	0.08	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	1.88e-03	0.0	160.0	0.08	-0.05	0.0	0.02	0.0	0.0
289	104	0.02	0.0	-3.69e-04	-0.11	0.0	-0.07	0.05	0.0	0.05	0.0	0.0
		0.0	0.0	5.52e-03	0.0	160.0	-0.07	-0.05	0.0	0.05	0.0	0.0
289	105	0.02	0.0	2.05e-04	-0.11	0.0	0.50	0.05	0.0	-0.04	0.0	0.0
		0.0	0.0	-5.26e-03	0.0	160.0	0.50	-0.05	0.0	-0.04	0.0	0.0
289	107	0.02	0.0	-7.38e-05	-0.11	0.0	0.38	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-2.85e-03	0.0	160.0	0.38	-0.05	0.0	-0.02	0.0	0.0
289	110	0.02	0.0	-8.99e-05	-0.11	0.0	0.06	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	3.11e-03	0.0	160.0	0.06	-0.05	0.0	0.03	0.0	0.0
289	122	0.02	0.0	6.26e-04	-0.11	0.0	0.41	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-2.89e-03	0.0	160.0	0.41	-0.05	0.0	-0.02	0.0	0.0
289	123	0.02	0.0	-8.16e-04	-0.11	0.0	-0.03	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	3.25e-03	0.0	160.0	-0.03	-0.05	0.0	0.03	0.0	0.0
289	136	0.02	0.0	-5.92e-04	-0.11	0.0	-0.30	0.05	0.0	0.08	0.0	0.0
		0.0	0.0	9.81e-03	0.0	160.0	-0.30	-0.05	0.0	0.08	0.0	0.0
289	137	0.02	0.0	4.28e-04	-0.11	0.0	0.73	0.05	0.0	-0.08	0.0	0.0
		0.0	0.0	-9.55e-03	0.0	160.0	0.73	-0.05	0.0	-0.08	0.0	0.0
289	139	0.02	0.0	-7.67e-05	-0.11	0.0	0.51	0.05	0.0	-0.04	0.0	0.0
		0.0	0.0	-5.20e-03	0.0	160.0	0.51	-0.05	0.0	-0.04	0.0	0.0
289	142	0.02	0.0	-8.68e-05	-0.11	0.0	-0.07	0.05	0.0	0.05	0.0	0.0
		0.0	0.0	5.47e-03	0.0	160.0	-0.07	-0.05	0.0	0.05	0.0	0.0
290	1	0.03	0.0	3.16e-05	-0.14	0.0	0.12	0.07	0.0	1.50e-04	0.0	0.0
		0.0	0.0	4.47e-05	0.0	160.0	0.12	-0.07	0.0	1.50e-04	0.0	0.0
290	2	0.03	0.0	6.24e-05	-0.14	0.0	0.11	0.07	0.0	1.43e-03	0.0	0.0
		0.0	0.0	2.39e-04	0.0	160.0	0.11	-0.07	0.0	1.43e-03	0.0	0.0
290	4	0.02	0.0	5.88e-05	-0.11	0.0	0.07	0.05	0.0	1.44e-03	0.0	0.0
		0.0	0.0	2.37e-04	0.0	160.0	0.07	-0.05	0.0	1.44e-03	0.0	0.0
290	5	0.03	0.0	3.95e-05	-0.14	0.0	0.12	0.07	0.0	2.56e-04	0.0	0.0
		0.0	0.0	5.75e-05	0.0	160.0	0.12	-0.07	0.0	2.56e-04	0.0	0.0

290	9	0.02	0.0	2.35e-05	-0.11	0.0	0.09	0.05	0.0	1.01e-04	0.0	0.0
		0.0	0.0	3.39e-05	0.0	160.0	0.09	-0.05	0.0	1.01e-04	0.0	0.0
290	10	0.02	0.0	4.40e-05	-0.11	0.0	0.08	0.05	0.0	9.55e-04	0.0	0.0
		0.0	0.0	1.63e-04	0.0	160.0	0.08	-0.05	0.0	9.55e-04	0.0	0.0
290	11	0.02	0.0	2.88e-05	-0.11	0.0	0.09	0.05	0.0	1.72e-04	0.0	0.0
		0.0	0.0	4.24e-05	0.0	160.0	0.09	-0.05	0.0	1.72e-04	0.0	0.0
290	13	0.02	0.0	-1.70e-05	-0.11	0.0	0.09	0.05	0.0	-4.80e-06	0.0	0.0
		0.0	0.0	2.11e-05	0.0	160.0	0.09	-0.05	0.0	-4.80e-06	0.0	0.0
290	14	0.02	0.0	2.59e-05	-0.11	0.0	0.09	0.05	0.0	4.22e-04	0.0	0.0
		0.0	0.0	8.59e-05	0.0	160.0	0.09	-0.05	0.0	4.22e-04	0.0	0.0
290	15	0.02	0.0	1.83e-05	-0.11	0.0	0.09	0.05	0.0	3.05e-05	0.0	0.0
		0.0	0.0	2.54e-05	0.0	160.0	0.09	-0.05	0.0	3.05e-05	0.0	0.0
290	17	0.02	0.0	-1.70e-05	-0.11	0.0	0.09	0.05	0.0	-4.80e-06	0.0	0.0
		0.0	0.0	2.11e-05	0.0	160.0	0.09	-0.05	0.0	-4.80e-06	0.0	0.0
290	18	0.02	0.0	2.18e-05	-0.11	0.0	0.09	0.05	0.0	2.51e-04	0.0	0.0
		0.0	0.0	6.00e-05	0.0	160.0	0.09	-0.05	0.0	2.51e-04	0.0	0.0
290	20	0.02	0.0	2.55e-04	-0.11	0.0	-0.23	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	1.56e-03	0.0	160.0	-0.23	-0.05	0.0	0.02	0.0	0.0
290	21	0.02	0.0	-2.11e-04	-0.11	0.0	0.42	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.44e-03	0.0	160.0	0.42	-0.05	0.0	-0.02	0.0	0.0
290	22	0.02	0.0	2.50e-04	-0.11	0.0	0.28	0.05	0.0	-5.85e-03	0.0	0.0
		0.0	0.0	1.21e-03	0.0	160.0	0.28	-0.05	0.0	-5.85e-03	0.0	0.0
290	32	0.02	0.0	2.85e-04	-0.11	0.0	-0.22	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	2.03e-03	0.0	160.0	-0.22	-0.05	0.0	0.02	0.0	0.0
290	33	0.02	0.0	-2.41e-04	-0.11	0.0	0.40	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.91e-03	0.0	160.0	0.40	-0.05	0.0	-0.02	0.0	0.0
290	41	0.02	0.0	-7.64e-04	-0.11	0.0	0.38	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-4.58e-03	0.0	160.0	0.38	-0.05	0.0	-0.02	0.0	0.0
290	52	0.02	0.0	2.02e-04	-0.11	0.0	-0.15	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	1.18e-03	0.0	160.0	-0.15	-0.05	0.0	0.01	0.0	0.0
290	53	0.02	0.0	-1.59e-04	-0.11	0.0	0.33	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-1.06e-03	0.0	160.0	0.33	-0.05	0.0	-0.01	0.0	0.0
290	54	0.02	0.0	1.89e-04	-0.11	0.0	0.23	0.05	0.0	-4.37e-03	0.0	0.0
		0.0	0.0	9.16e-04	0.0	160.0	0.23	-0.05	0.0	-4.37e-03	0.0	0.0
290	64	0.02	0.0	2.20e-04	-0.11	0.0	-0.14	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	1.50e-03	0.0	160.0	-0.14	-0.05	0.0	0.02	0.0	0.0
290	65	0.02	0.0	-1.76e-04	-0.11	0.0	0.32	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.38e-03	0.0	160.0	0.32	-0.05	0.0	-0.02	0.0	0.0
290	73	0.02	0.0	-5.70e-04	-0.11	0.0	0.31	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-3.40e-03	0.0	160.0	0.31	-0.05	0.0	-0.02	0.0	0.0
290	84	0.02	0.0	1.82e-04	-0.11	0.0	-0.12	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	1.05e-03	0.0	160.0	-0.12	-0.05	0.0	0.01	0.0	0.0
290	85	0.02	0.0	-1.39e-04	-0.11	0.0	0.30	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-9.35e-04	0.0	160.0	0.30	-0.05	0.0	-0.01	0.0	0.0
290	86	0.02	0.0	1.69e-04	-0.11	0.0	0.22	0.05	0.0	-3.86e-03	0.0	0.0
		0.0	0.0	8.19e-04	0.0	160.0	0.22	-0.05	0.0	-3.86e-03	0.0	0.0
290	96	0.02	0.0	1.98e-04	-0.11	0.0	-0.12	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	1.34e-03	0.0	160.0	-0.12	-0.05	0.0	0.01	0.0	0.0
290	97	0.02	0.0	-1.54e-04	-0.11	0.0	0.30	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-1.22e-03	0.0	160.0	0.30	-0.05	0.0	-0.01	0.0	0.0
290	105	0.02	0.0	-5.03e-04	-0.11	0.0	0.28	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-3.00e-03	0.0	160.0	0.28	-0.05	0.0	-0.02	0.0	0.0
290	116	0.02	0.0	3.06e-04	-0.11	0.0	-0.30	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	1.89e-03	0.0	160.0	-0.30	-0.05	0.0	0.02	0.0	0.0
290	117	0.02	0.0	-2.63e-04	-0.11	0.0	0.48	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.77e-03	0.0	160.0	0.48	-0.05	0.0	-0.02	0.0	0.0
290	118	0.02	0.0	2.93e-04	-0.11	0.0	0.32	0.05	0.0	-7.10e-03	0.0	0.0
		0.0	0.0	1.41e-03	0.0	160.0	0.32	-0.05	0.0	-7.10e-03	0.0	0.0
290	128	0.02	0.0	3.46e-04	-0.11	0.0	-0.28	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	2.49e-03	0.0	160.0	-0.28	-0.05	0.0	0.03	0.0	0.0
290	129	0.02	0.0	-3.02e-04	-0.11	0.0	0.47	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-2.37e-03	0.0	160.0	0.47	-0.05	0.0	-0.03	0.0	0.0
290	137	0.02	0.0	-9.28e-04	-0.11	0.0	0.44	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-5.54e-03	0.0	160.0	0.44	-0.05	0.0	-0.03	0.0	0.0
291	1	0.0	0.0	1.05e-04	0.14	0.0	0.36	-0.07	0.0	2.74e-03	0.0	0.0
		-0.03	0.0	-1.99e-04	0.0	160.0	0.36	0.07	0.0	2.74e-03	0.0	0.0
291	2	0.0	0.0	1.02e-04	0.14	0.0	0.29	-0.07	0.0	5.27e-03	0.0	0.0
		-0.03	0.0	-4.70e-04	0.0	160.0	0.29	0.07	0.0	5.27e-03	0.0	0.0
291	4	0.0	0.0	6.09e-05	0.11	0.0	0.16	-0.05	0.0	4.90e-03	0.0	0.0
		-0.02	0.0	-4.48e-04	0.0	160.0	0.16	0.05	0.0	4.90e-03	0.0	0.0
291	6	0.0	0.0	1.02e-04	0.14	0.0	0.30	-0.07	0.0	5.23e-03	0.0	0.0
		-0.03	0.0	-4.56e-04	0.0	160.0	0.30	0.07	0.0	5.23e-03	0.0	0.0
291	7	0.0	0.0	6.25e-05	0.11	0.0	0.22	-0.05	0.0	3.08e-03	0.0	0.0
		-0.02	0.0	-2.43e-04	0.0	160.0	0.22	0.05	0.0	3.08e-03	0.0	0.0
291	9	0.0	0.0	7.24e-05	0.11	0.0	0.26	-0.05	0.0	2.00e-03	0.0	0.0

		-0.02	0.0	-1.43e-04	0.0	160.0	0.26	0.05	0.0	2.00e-03	0.0	0.0
291	10	0.0	0.0	7.09e-05	0.11	0.0	0.22	-0.05	0.0	3.69e-03	0.0	0.0
		-0.02	0.0	-3.24e-04	0.0	160.0	0.22	0.05	0.0	3.69e-03	0.0	0.0
291	11	0.0	0.0	7.21e-05	0.11	0.0	0.25	-0.05	0.0	2.48e-03	0.0	0.0
		-0.02	0.0	-1.87e-04	0.0	160.0	0.25	0.05	0.0	2.48e-03	0.0	0.0
291	12	0.0	0.0	7.11e-05	0.11	0.0	0.22	-0.05	0.0	3.66e-03	0.0	0.0
		-0.02	0.0	-3.14e-04	0.0	160.0	0.22	0.05	0.0	3.66e-03	0.0	0.0
291	13	0.0	0.0	7.28e-05	0.11	0.0	0.28	-0.05	0.0	1.29e-03	0.0	0.0
		-0.02	0.0	-7.58e-05	0.0	160.0	0.28	0.05	0.0	1.29e-03	0.0	0.0
291	14	0.0	0.0	7.21e-05	0.11	0.0	0.25	-0.05	0.0	2.13e-03	0.0	0.0
		-0.02	0.0	-1.66e-04	0.0	160.0	0.25	0.05	0.0	2.13e-03	0.0	0.0
291	15	0.0	0.0	7.27e-05	0.11	0.0	0.27	-0.05	0.0	1.53e-03	0.0	0.0
		-0.02	0.0	-9.81e-05	0.0	160.0	0.27	0.05	0.0	1.53e-03	0.0	0.0
291	17	0.0	0.0	7.28e-05	0.11	0.0	0.28	-0.05	0.0	1.29e-03	0.0	0.0
		-0.02	0.0	-7.58e-05	0.0	160.0	0.28	0.05	0.0	1.29e-03	0.0	0.0
291	18	0.0	0.0	7.24e-05	0.11	0.0	0.26	-0.05	0.0	1.80e-03	0.0	0.0
		-0.02	0.0	-1.30e-04	0.0	160.0	0.26	0.05	0.0	1.80e-03	0.0	0.0
291	20	0.0	0.0	6.03e-04	0.11	0.0	-1.48	-0.05	0.0	0.05	0.0	0.0
		-0.02	0.0	-6.33e-03	0.0	160.0	-1.48	0.05	0.0	0.05	0.0	0.0
291	21	0.0	0.0	-4.59e-04	0.11	0.0	2.01	-0.05	0.0	-0.05	0.0	0.0
		-0.02	0.0	6.07e-03	0.0	160.0	2.01	0.05	0.0	-0.05	0.0	0.0
291	32	0.0	0.0	5.51e-04	0.11	0.0	-1.41	-0.05	0.0	0.05	0.0	0.0
		-0.02	0.0	-6.43e-03	0.0	160.0	-1.41	0.05	0.0	0.05	0.0	0.0
291	39	0.0	0.0	4.20e-04	0.11	0.0	1.16	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	5.13e-03	0.0	160.0	1.16	0.05	0.0	-0.04	0.0	0.0
291	42	0.0	0.0	-2.76e-04	0.11	0.0	-0.63	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-5.39e-03	0.0	160.0	-0.63	0.05	0.0	0.04	0.0	0.0
291	49	0.0	0.0	5.19e-05	0.11	0.0	1.92	-0.05	0.0	-0.06	0.0	0.0
		-0.02	0.0	6.93e-03	0.0	160.0	1.92	0.05	0.0	-0.06	0.0	0.0
291	52	0.0	0.0	4.68e-04	0.11	0.0	-1.04	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-4.81e-03	0.0	160.0	-1.04	0.05	0.0	0.04	0.0	0.0
291	53	0.0	0.0	-3.24e-04	0.11	0.0	1.57	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	4.55e-03	0.0	160.0	1.57	0.05	0.0	-0.04	0.0	0.0
291	64	0.0	0.0	4.37e-04	0.11	0.0	-0.99	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-4.90e-03	0.0	160.0	-0.99	0.05	0.0	0.04	0.0	0.0
291	71	0.0	0.0	3.34e-04	0.11	0.0	0.94	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	3.85e-03	0.0	160.0	0.94	0.05	0.0	-0.03	0.0	0.0
291	74	0.0	0.0	-1.91e-04	0.11	0.0	-0.41	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-4.11e-03	0.0	160.0	-0.41	0.05	0.0	0.03	0.0	0.0
291	81	0.0	0.0	5.48e-05	0.11	0.0	1.51	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	5.21e-03	0.0	160.0	1.51	0.05	0.0	-0.04	0.0	0.0
291	84	0.0	0.0	4.23e-04	0.11	0.0	-0.89	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-4.28e-03	0.0	160.0	-0.89	0.05	0.0	0.04	0.0	0.0
291	85	0.0	0.0	-2.79e-04	0.11	0.0	1.42	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	4.02e-03	0.0	160.0	1.42	0.05	0.0	-0.03	0.0	0.0
291	96	0.0	0.0	3.96e-04	0.11	0.0	-0.85	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-4.36e-03	0.0	160.0	-0.85	0.05	0.0	0.04	0.0	0.0
291	103	0.0	0.0	3.05e-04	0.11	0.0	0.86	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	3.40e-03	0.0	160.0	0.86	0.05	0.0	-0.03	0.0	0.0
291	106	0.0	0.0	-1.61e-04	0.11	0.0	-0.34	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-3.66e-03	0.0	160.0	-0.34	0.05	0.0	0.03	0.0	0.0
291	113	0.0	0.0	5.65e-05	0.11	0.0	1.37	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	4.62e-03	0.0	160.0	1.37	0.05	0.0	-0.04	0.0	0.0
291	116	0.0	0.0	7.05e-04	0.11	0.0	-1.84	-0.05	0.0	0.06	0.0	0.0
		-0.02	0.0	-7.61e-03	0.0	160.0	-1.84	0.05	0.0	0.06	0.0	0.0
291	117	0.0	0.0	-5.61e-04	0.11	0.0	2.37	-0.05	0.0	-0.06	0.0	0.0
		-0.02	0.0	7.35e-03	0.0	160.0	2.37	0.05	0.0	-0.06	0.0	0.0
291	128	0.0	0.0	6.38e-04	0.11	0.0	-1.76	-0.05	0.0	0.06	0.0	0.0
		-0.02	0.0	-7.70e-03	0.0	160.0	-1.76	0.05	0.0	0.06	0.0	0.0
291	135	0.0	0.0	4.89e-04	0.11	0.0	1.35	-0.05	0.0	-0.05	0.0	0.0
		-0.02	0.0	6.23e-03	0.0	160.0	1.35	0.05	0.0	-0.05	0.0	0.0
291	138	0.0	0.0	-3.45e-04	0.11	0.0	-0.82	-0.05	0.0	0.05	0.0	0.0
		-0.02	0.0	-6.49e-03	0.0	160.0	-0.82	0.05	0.0	0.05	0.0	0.0
291	145	0.0	0.0	5.08e-05	0.11	0.0	2.27	-0.05	0.0	-0.07	0.0	0.0
		-0.02	0.0	8.38e-03	0.0	160.0	2.27	0.05	0.0	-0.07	0.0	0.0
292	1	0.0	0.0	-2.25e-05	0.14	0.0	-0.02	-0.07	0.0	1.44e-04	0.0	0.0
		-0.03	0.0	-4.43e-05	0.0	160.0	-0.02	0.07	0.0	1.44e-04	0.0	0.0
292	2	0.0	0.0	2.65e-05	0.14	0.0	-0.09	-0.07	0.0	1.49e-03	0.0	0.0
		-0.03	0.0	-2.39e-04	0.0	160.0	-0.09	0.07	0.0	1.49e-03	0.0	0.0
292	3	0.0	0.0	-1.95e-05	0.11	0.0	-0.02	-0.05	0.0	1.67e-04	0.0	0.0
		-0.02	0.0	-4.19e-05	0.0	160.0	-0.02	0.05	0.0	1.67e-04	0.0	0.0
292	8	0.0	0.0	1.78e-05	0.11	0.0	-0.11	-0.05	0.0	1.23e-03	0.0	0.0
		-0.02	0.0	-1.91e-04	0.0	160.0	-0.11	0.05	0.0	1.23e-03	0.0	0.0
292	9	0.0	0.0	-1.74e-05	0.11	0.0	-1.47e-03	-0.05	0.0	9.91e-05	0.0	0.0
		-0.02	0.0	-3.35e-05	0.0	160.0	-1.47e-03	0.05	0.0	9.91e-05	0.0	0.0

292	10	0.0	0.0	1.98e-05	0.11	0.0	-0.05	-0.05	0.0	9.99e-04	0.0	0.0
		-0.02	0.0	-1.63e-04	0.0	160.0	-0.05	0.05	0.0	9.99e-04	0.0	0.0
292	12	0.0	0.0	1.79e-05	0.11	0.0	-0.06	-0.05	0.0	8.08e-04	0.0	0.0
		-0.02	0.0	-1.33e-04	0.0	160.0	-0.06	0.05	0.0	8.08e-04	0.0	0.0
292	13	0.0	0.0	1.75e-05	0.11	0.0	0.04	-0.05	0.0	-1.91e-05	0.0	0.0
		-0.02	0.0	-2.06e-05	0.0	160.0	0.04	0.05	0.0	-1.91e-05	0.0	0.0
292	15	0.0	0.0	1.71e-05	0.11	0.0	0.03	-0.05	0.0	2.03e-05	0.0	0.0
		-0.02	0.0	-2.49e-05	0.0	160.0	0.03	0.05	0.0	2.03e-05	0.0	0.0
292	16	0.0	0.0	1.81e-05	0.11	0.0	0.02	-0.05	0.0	2.90e-04	0.0	0.0
		-0.02	0.0	-6.39e-05	0.0	160.0	0.02	0.05	0.0	2.90e-04	0.0	0.0
292	17	0.0	0.0	1.75e-05	0.11	0.0	0.04	-0.05	0.0	-1.91e-05	0.0	0.0
		-0.02	0.0	-2.06e-05	0.0	160.0	0.04	0.05	0.0	-1.91e-05	0.0	0.0
292	18	0.0	0.0	1.86e-05	0.11	0.0	0.03	-0.05	0.0	2.51e-04	0.0	0.0
		-0.02	0.0	-5.96e-05	0.0	160.0	0.03	0.05	0.0	2.51e-04	0.0	0.0
292	23	0.0	0.0	1.51e-04	0.11	0.0	1.78	-0.05	0.0	7.56e-03	0.0	0.0
		-0.02	0.0	9.73e-04	0.0	160.0	1.78	0.05	0.0	7.56e-03	0.0	0.0
292	26	0.0	0.0	-1.75e-04	0.11	0.0	-1.72	-0.05	0.0	-7.06e-03	0.0	0.0
		-0.02	0.0	-1.09e-03	0.0	160.0	-1.72	0.05	0.0	-7.06e-03	0.0	0.0
292	27	0.0	0.0	1.95e-04	0.11	0.0	1.37	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	5.07e-04	0.0	160.0	1.37	0.05	0.0	0.01	0.0	0.0
292	32	0.0	0.0	-1.83e-05	0.11	0.0	0.65	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-2.03e-03	0.0	160.0	0.65	0.05	0.0	0.02	0.0	0.0
292	33	0.0	0.0	2.14e-05	0.11	0.0	-0.59	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	1.91e-03	0.0	160.0	-0.59	0.05	0.0	-0.02	0.0	0.0
292	42	0.0	0.0	-3.98e-04	0.11	0.0	-1.39	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-4.24e-03	0.0	160.0	-1.39	0.05	0.0	0.02	0.0	0.0
292	55	0.0	0.0	1.06e-04	0.11	0.0	1.33	-0.05	0.0	5.79e-03	0.0	0.0
		-0.02	0.0	7.11e-04	0.0	160.0	1.33	0.05	0.0	5.79e-03	0.0	0.0
292	58	0.0	0.0	-1.30e-04	0.11	0.0	-1.27	-0.05	0.0	-5.29e-03	0.0	0.0
		-0.02	0.0	-8.30e-04	0.0	160.0	-1.27	0.05	0.0	-5.29e-03	0.0	0.0
292	59	0.0	0.0	1.36e-04	0.11	0.0	1.05	-0.05	0.0	8.26e-03	0.0	0.0
		-0.02	0.0	3.93e-04	0.0	160.0	1.05	0.05	0.0	8.26e-03	0.0	0.0
292	64	0.0	0.0	-2.15e-05	0.11	0.0	0.50	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-1.50e-03	0.0	160.0	0.50	0.05	0.0	0.02	0.0	0.0
292	65	0.0	0.0	2.30e-05	0.11	0.0	-0.44	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	1.38e-03	0.0	160.0	-0.44	0.05	0.0	-0.02	0.0	0.0
292	74	0.0	0.0	-2.96e-04	0.11	0.0	-1.06	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-3.19e-03	0.0	160.0	-1.06	0.05	0.0	0.01	0.0	0.0
292	87	0.0	0.0	9.19e-05	0.11	0.0	1.19	-0.05	0.0	5.17e-03	0.0	0.0
		-0.02	0.0	6.24e-04	0.0	160.0	1.19	0.05	0.0	5.17e-03	0.0	0.0
292	90	0.0	0.0	-1.16e-04	0.11	0.0	-1.13	-0.05	0.0	-4.67e-03	0.0	0.0
		-0.02	0.0	-7.43e-04	0.0	160.0	-1.13	0.05	0.0	-4.67e-03	0.0	0.0
292	91	0.0	0.0	1.19e-04	0.11	0.0	0.94	-0.05	0.0	7.36e-03	0.0	0.0
		-0.02	0.0	3.44e-04	0.0	160.0	0.94	0.05	0.0	7.36e-03	0.0	0.0
292	96	0.0	0.0	-2.09e-05	0.11	0.0	0.45	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-1.34e-03	0.0	160.0	0.45	0.05	0.0	0.02	0.0	0.0
292	97	0.0	0.0	2.27e-05	0.11	0.0	-0.39	-0.05	0.0	-0.01	0.0	0.0
		-0.02	0.0	1.22e-03	0.0	160.0	-0.39	0.05	0.0	-0.01	0.0	0.0
292	106	0.0	0.0	-2.64e-04	0.11	0.0	-0.94	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-2.84e-03	0.0	160.0	-0.94	0.05	0.0	0.01	0.0	0.0
292	119	0.0	0.0	1.85e-04	0.11	0.0	2.12	-0.05	0.0	9.08e-03	0.0	0.0
		-0.02	0.0	1.15e-03	0.0	160.0	2.12	0.05	0.0	9.08e-03	0.0	0.0
292	122	0.0	0.0	-2.09e-04	0.11	0.0	-2.06	-0.05	0.0	-8.58e-03	0.0	0.0
		-0.02	0.0	-1.27e-03	0.0	160.0	-2.06	0.05	0.0	-8.58e-03	0.0	0.0
292	123	0.0	0.0	2.40e-04	0.11	0.0	1.61	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	5.56e-04	0.0	160.0	1.61	0.05	0.0	0.01	0.0	0.0
292	128	0.0	0.0	1.71e-05	0.11	0.0	0.76	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-2.49e-03	0.0	160.0	0.76	0.05	0.0	0.03	0.0	0.0
292	129	0.0	0.0	2.01e-05	0.11	0.0	-0.70	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	2.37e-03	0.0	160.0	-0.70	0.05	0.0	-0.03	0.0	0.0
292	138	0.0	0.0	-4.77e-04	0.11	0.0	-1.65	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-5.07e-03	0.0	160.0	-1.65	0.05	0.0	0.02	0.0	0.0
293	1	0.03	0.0	-1.08e-04	-0.14	0.0	0.28	0.07	0.0	1.71e-03	0.0	0.0
		0.0	0.0	1.40e-04	0.0	160.0	0.28	-0.07	0.0	1.71e-03	0.0	0.0
293	4	0.02	0.0	-1.06e-04	-0.11	0.0	0.16	0.05	0.0	2.90e-03	0.0	0.0
		0.0	0.0	3.40e-04	0.0	160.0	0.16	-0.05	0.0	2.90e-03	0.0	0.0
293	8	0.02	0.0	-9.81e-05	-0.11	0.0	0.16	0.05	0.0	2.82e-03	0.0	0.0
		0.0	0.0	3.27e-04	0.0	160.0	0.16	-0.05	0.0	2.82e-03	0.0	0.0
293	9	0.02	0.0	-7.47e-05	-0.11	0.0	0.20	0.05	0.0	1.28e-03	0.0	0.0
		0.0	0.0	9.91e-05	0.0	160.0	0.20	-0.05	0.0	1.28e-03	0.0	0.0
293	10	0.02	0.0	-1.01e-04	-0.11	0.0	0.19	0.05	0.0	2.23e-03	0.0	0.0
		0.0	0.0	2.43e-04	0.0	160.0	0.19	-0.05	0.0	2.23e-03	0.0	0.0
293	12	0.02	0.0	-9.58e-05	-0.11	0.0	0.19	0.05	0.0	2.18e-03	0.0	0.0
		0.0	0.0	2.34e-04	0.0	160.0	0.19	-0.05	0.0	2.18e-03	0.0	0.0
293	13	0.02	0.0	-7.08e-05	-0.11	0.0	0.21	0.05	0.0	9.34e-04	0.0	0.0

		0.0	0.0	4.73e-05	0.0	160.0	0.21	-0.05	0.0	9.34e-04	0.0	0.0
293	14	0.02	0.0	-8.33e-05	-0.11	0.0	0.20	0.05	0.0	1.41e-03	0.0	0.0
		0.0	0.0	1.19e-04	0.0	160.0	0.20	-0.05	0.0	1.41e-03	0.0	0.0
293	15	0.02	0.0	-7.21e-05	-0.11	0.0	0.21	0.05	0.0	1.05e-03	0.0	0.0
		0.0	0.0	6.45e-05	0.0	160.0	0.21	-0.05	0.0	1.05e-03	0.0	0.0
293	17	0.02	0.0	-7.08e-05	-0.11	0.0	0.21	0.05	0.0	9.34e-04	0.0	0.0
		0.0	0.0	4.73e-05	0.0	160.0	0.21	-0.05	0.0	9.34e-04	0.0	0.0
293	18	0.02	0.0	-7.81e-05	-0.11	0.0	0.21	0.05	0.0	1.22e-03	0.0	0.0
		0.0	0.0	9.04e-05	0.0	160.0	0.21	-0.05	0.0	1.22e-03	0.0	0.0
293	28	0.02	0.0	-7.96e-04	-0.11	0.0	-0.31	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	5.47e-03	0.0	160.0	-0.31	-0.05	0.0	0.03	0.0	0.0
293	29	0.02	0.0	6.40e-04	-0.11	0.0	0.72	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-5.29e-03	0.0	160.0	0.72	-0.05	0.0	-0.03	0.0	0.0
293	39	0.02	0.0	-6.72e-05	-0.11	0.0	0.63	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-4.21e-03	0.0	160.0	0.63	-0.05	0.0	-0.03	0.0	0.0
293	40	0.02	0.0	-4.84e-04	-0.11	0.0	-0.43	0.05	0.0	0.04	0.0	0.0
		0.0	0.0	6.64e-03	0.0	160.0	-0.43	-0.05	0.0	0.04	0.0	0.0
293	41	0.02	0.0	3.28e-04	-0.11	0.0	0.84	0.05	0.0	-0.04	0.0	0.0
		0.0	0.0	-6.46e-03	0.0	160.0	0.84	-0.05	0.0	-0.04	0.0	0.0
293	42	0.02	0.0	-9.02e-05	-0.11	0.0	-0.21	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	4.39e-03	0.0	160.0	-0.21	-0.05	0.0	0.03	0.0	0.0
293	60	0.02	0.0	-6.19e-04	-0.11	0.0	-0.18	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	4.16e-03	0.0	160.0	-0.18	-0.05	0.0	0.03	0.0	0.0
293	61	0.02	0.0	4.62e-04	-0.11	0.0	0.60	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-3.98e-03	0.0	160.0	0.60	-0.05	0.0	-0.02	0.0	0.0
293	71	0.02	0.0	-6.48e-05	-0.11	0.0	0.52	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-3.16e-03	0.0	160.0	0.52	-0.05	0.0	-0.02	0.0	0.0
293	72	0.02	0.0	-3.88e-04	-0.11	0.0	-0.27	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	5.05e-03	0.0	160.0	-0.27	-0.05	0.0	0.03	0.0	0.0
293	73	0.02	0.0	2.32e-04	-0.11	0.0	0.69	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-4.87e-03	0.0	160.0	0.69	-0.05	0.0	-0.03	0.0	0.0
293	74	0.02	0.0	-9.31e-05	-0.11	0.0	-0.11	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	3.34e-03	0.0	160.0	-0.11	-0.05	0.0	0.02	0.0	0.0
293	92	0.02	0.0	-5.58e-04	-0.11	0.0	-0.14	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	3.71e-03	0.0	160.0	-0.14	-0.05	0.0	0.02	0.0	0.0
293	93	0.02	0.0	4.02e-04	-0.11	0.0	0.55	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-3.53e-03	0.0	160.0	0.55	-0.05	0.0	-0.02	0.0	0.0
293	103	0.02	0.0	-6.56e-05	-0.11	0.0	0.49	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-2.80e-03	0.0	160.0	0.49	-0.05	0.0	-0.02	0.0	0.0
293	104	0.02	0.0	-3.54e-04	-0.11	0.0	-0.22	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	4.49e-03	0.0	160.0	-0.22	-0.05	0.0	0.03	0.0	0.0
293	105	0.02	0.0	1.98e-04	-0.11	0.0	0.63	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-4.31e-03	0.0	160.0	0.63	-0.05	0.0	-0.03	0.0	0.0
293	106	0.02	0.0	-9.22e-05	-0.11	0.0	-0.07	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	2.98e-03	0.0	160.0	-0.07	-0.05	0.0	0.02	0.0	0.0
293	124	0.02	0.0	-9.43e-04	-0.11	0.0	-0.42	0.05	0.0	0.04	0.0	0.0
		0.0	0.0	6.56e-03	0.0	160.0	-0.42	-0.05	0.0	0.04	0.0	0.0
293	125	0.02	0.0	7.87e-04	-0.11	0.0	0.83	0.05	0.0	-0.04	0.0	0.0
		0.0	0.0	-6.38e-03	0.0	160.0	0.83	-0.05	0.0	-0.04	0.0	0.0
293	135	0.02	0.0	-6.35e-05	-0.11	0.0	0.71	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-5.11e-03	0.0	160.0	0.71	-0.05	0.0	-0.03	0.0	0.0
293	136	0.02	0.0	-5.68e-04	-0.11	0.0	-0.56	0.05	0.0	0.05	0.0	0.0
		0.0	0.0	7.99e-03	0.0	160.0	-0.56	-0.05	0.0	0.05	0.0	0.0
293	137	0.02	0.0	4.12e-04	-0.11	0.0	0.97	0.05	0.0	-0.05	0.0	0.0
		0.0	0.0	-7.81e-03	0.0	160.0	0.97	-0.05	0.0	-0.05	0.0	0.0
293	138	0.02	0.0	-9.47e-05	-0.11	0.0	-0.30	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	5.29e-03	0.0	160.0	-0.30	-0.05	0.0	0.03	0.0	0.0
294	1	0.03	0.0	3.00e-05	-0.14	0.0	0.18	0.07	0.0	2.29e-04	0.0	0.0
		0.0	0.0	3.47e-05	0.0	160.0	0.18	-0.07	0.0	2.29e-04	0.0	0.0
294	2	0.03	0.0	5.79e-05	-0.14	0.0	0.17	0.07	0.0	1.39e-03	0.0	0.0
		0.0	0.0	1.60e-04	0.0	160.0	0.17	-0.07	0.0	1.39e-03	0.0	0.0
294	3	0.02	0.0	2.64e-05	-0.11	0.0	0.14	0.05	0.0	2.25e-04	0.0	0.0
		0.0	0.0	3.18e-05	0.0	160.0	0.14	-0.05	0.0	2.25e-04	0.0	0.0
294	4	0.02	0.0	5.43e-05	-0.11	0.0	0.13	0.05	0.0	1.39e-03	0.0	0.0
		0.0	0.0	1.57e-04	0.0	160.0	0.13	-0.05	0.0	1.39e-03	0.0	0.0
294	9	0.02	0.0	2.23e-05	-0.11	0.0	0.14	0.05	0.0	1.66e-04	0.0	0.0
		0.0	0.0	2.67e-05	0.0	160.0	0.14	-0.05	0.0	1.66e-04	0.0	0.0
294	10	0.02	0.0	4.09e-05	-0.11	0.0	0.13	0.05	0.0	9.41e-04	0.0	0.0
		0.0	0.0	1.10e-04	0.0	160.0	0.13	-0.05	0.0	9.41e-04	0.0	0.0
294	13	0.02	0.0	-1.72e-05	-0.11	0.0	0.14	0.05	0.0	6.22e-05	0.0	0.0
		0.0	0.0	1.96e-05	0.0	160.0	0.14	-0.05	0.0	6.22e-05	0.0	0.0
294	14	0.02	0.0	2.44e-05	-0.11	0.0	0.14	0.05	0.0	4.50e-04	0.0	0.0
		0.0	0.0	6.14e-05	0.0	160.0	0.14	-0.05	0.0	4.50e-04	0.0	0.0
294	17	0.02	0.0	-1.72e-05	-0.11	0.0	0.14	0.05	0.0	6.22e-05	0.0	0.0
		0.0	0.0	1.96e-05	0.0	160.0	0.14	-0.05	0.0	6.22e-05	0.0	0.0

294	18	0.02	0.0	2.07e-05	-0.11	0.0	0.14	0.05	0.0	2.95e-04	0.0	0.0
		0.0	0.0	4.47e-05	0.0	160.0	0.14	-0.05	0.0	2.95e-04	0.0	0.0
294	19	0.02	0.0	-1.98e-04	-0.11	0.0	-0.44	0.05	0.0	6.05e-03	0.0	0.0
		0.0	0.0	-7.97e-04	0.0	160.0	-0.44	-0.05	0.0	6.05e-03	0.0	0.0
294	22	0.02	0.0	2.39e-04	-0.11	0.0	0.72	0.05	0.0	-5.46e-03	0.0	0.0
		0.0	0.0	8.86e-04	0.0	160.0	0.72	-0.05	0.0	-5.46e-03	0.0	0.0
294	39	0.02	0.0	-6.72e-04	-0.11	0.0	-0.30	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-2.75e-03	0.0	160.0	-0.30	-0.05	0.0	-0.01	0.0	0.0
294	40	0.02	0.0	7.40e-04	-0.11	0.0	0.30	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	3.10e-03	0.0	160.0	0.30	-0.05	0.0	0.02	0.0	0.0
294	47	0.02	0.0	-5.90e-04	-0.11	0.0	-0.29	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-2.51e-03	0.0	160.0	-0.29	-0.05	0.0	-0.01	0.0	0.0
294	50	0.02	0.0	6.32e-04	-0.11	0.0	0.57	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	2.60e-03	0.0	160.0	0.57	-0.05	0.0	0.01	0.0	0.0
294	51	0.02	0.0	-1.39e-04	-0.11	0.0	-0.29	0.05	0.0	4.65e-03	0.0	0.0
		0.0	0.0	-5.83e-04	0.0	160.0	-0.29	-0.05	0.0	4.65e-03	0.0	0.0
294	54	0.02	0.0	1.80e-04	-0.11	0.0	0.57	0.05	0.0	-4.06e-03	0.0	0.0
		0.0	0.0	6.73e-04	0.0	160.0	0.57	-0.05	0.0	-4.06e-03	0.0	0.0
294	71	0.02	0.0	-5.00e-04	-0.11	0.0	-0.19	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-2.04e-03	0.0	160.0	-0.19	-0.05	0.0	-0.01	0.0	0.0
294	72	0.02	0.0	5.62e-04	-0.11	0.0	0.26	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	2.32e-03	0.0	160.0	0.26	-0.05	0.0	0.02	0.0	0.0
294	79	0.02	0.0	-4.40e-04	-0.11	0.0	-0.18	0.05	0.0	-8.51e-03	0.0	0.0
		0.0	0.0	-1.87e-03	0.0	160.0	-0.18	-0.05	0.0	-8.51e-03	0.0	0.0
294	82	0.02	0.0	4.81e-04	-0.11	0.0	0.46	0.05	0.0	9.10e-03	0.0	0.0
		0.0	0.0	1.96e-03	0.0	160.0	0.46	-0.05	0.0	9.10e-03	0.0	0.0
294	83	0.02	0.0	-1.21e-04	-0.11	0.0	-0.24	0.05	0.0	4.17e-03	0.0	0.0
		0.0	0.0	-5.12e-04	0.0	160.0	-0.24	-0.05	0.0	4.17e-03	0.0	0.0
294	86	0.02	0.0	1.62e-04	-0.11	0.0	0.52	0.05	0.0	-3.58e-03	0.0	0.0
		0.0	0.0	6.02e-04	0.0	160.0	0.52	-0.05	0.0	-3.58e-03	0.0	0.0
294	103	0.02	0.0	-4.42e-04	-0.11	0.0	-0.15	0.05	0.0	-9.10e-03	0.0	0.0
		0.0	0.0	-1.81e-03	0.0	160.0	-0.15	-0.05	0.0	-9.10e-03	0.0	0.0
294	104	0.02	0.0	5.01e-04	-0.11	0.0	0.24	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	2.06e-03	0.0	160.0	0.24	-0.05	0.0	0.02	0.0	0.0
294	111	0.02	0.0	-3.88e-04	-0.11	0.0	-0.14	0.05	0.0	-7.53e-03	0.0	0.0
		0.0	0.0	-1.66e-03	0.0	160.0	-0.14	-0.05	0.0	-7.53e-03	0.0	0.0
294	114	0.02	0.0	4.29e-04	-0.11	0.0	0.42	0.05	0.0	8.12e-03	0.0	0.0
		0.0	0.0	1.75e-03	0.0	160.0	0.42	-0.05	0.0	8.12e-03	0.0	0.0
294	115	0.02	0.0	-2.39e-04	-0.11	0.0	-0.55	0.05	0.0	7.22e-03	0.0	0.0
		0.0	0.0	-9.47e-04	0.0	160.0	-0.55	-0.05	0.0	7.22e-03	0.0	0.0
294	118	0.02	0.0	2.80e-04	-0.11	0.0	0.83	0.05	0.0	-6.63e-03	0.0	0.0
		0.0	0.0	1.04e-03	0.0	160.0	0.83	-0.05	0.0	-6.63e-03	0.0	0.0
294	135	0.02	0.0	-8.12e-04	-0.11	0.0	-0.38	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-3.30e-03	0.0	160.0	-0.38	-0.05	0.0	-0.02	0.0	0.0
294	136	0.02	0.0	8.90e-04	-0.11	0.0	0.34	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	3.74e-03	0.0	160.0	0.34	-0.05	0.0	0.03	0.0	0.0
294	143	0.02	0.0	-7.13e-04	-0.11	0.0	-0.37	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-3.01e-03	0.0	160.0	-0.37	-0.05	0.0	-0.01	0.0	0.0
294	146	0.02	0.0	7.55e-04	-0.11	0.0	0.65	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	3.10e-03	0.0	160.0	0.65	-0.05	0.0	0.01	0.0	0.0
295	1	0.0	0.0	9.82e-05	0.14	0.0	0.36	-0.07	0.0	1.78e-03	0.0	0.0
		-0.03	0.0	-1.34e-04	0.0	160.0	0.36	0.07	0.0	1.78e-03	0.0	0.0
295	2	0.0	0.0	9.58e-05	0.14	0.0	0.38	-0.07	0.0	3.28e-03	0.0	0.0
		-0.03	0.0	-3.48e-04	0.0	160.0	0.38	0.07	0.0	3.28e-03	0.0	0.0
295	3	0.0	0.0	5.98e-05	0.11	0.0	0.25	-0.05	0.0	1.53e-03	0.0	0.0
		-0.02	0.0	-1.20e-04	0.0	160.0	0.25	0.05	0.0	1.53e-03	0.0	0.0
295	5	0.0	0.0	9.77e-05	0.14	0.0	0.37	-0.07	0.0	2.14e-03	0.0	0.0
		-0.03	0.0	-1.86e-04	0.0	160.0	0.37	0.07	0.0	2.14e-03	0.0	0.0
295	6	0.0	0.0	9.61e-05	0.14	0.0	0.38	-0.07	0.0	3.19e-03	0.0	0.0
		-0.03	0.0	-3.36e-04	0.0	160.0	0.38	0.07	0.0	3.19e-03	0.0	0.0
295	9	0.0	0.0	6.84e-05	0.11	0.0	0.26	-0.05	0.0	1.33e-03	0.0	0.0
		-0.02	0.0	-9.46e-05	0.0	160.0	0.26	0.05	0.0	1.33e-03	0.0	0.0
295	10	0.0	0.0	6.70e-05	0.11	0.0	0.28	-0.05	0.0	2.33e-03	0.0	0.0
		-0.02	0.0	-2.38e-04	0.0	160.0	0.28	0.05	0.0	2.33e-03	0.0	0.0
295	11	0.0	0.0	6.81e-05	0.11	0.0	0.27	-0.05	0.0	1.57e-03	0.0	0.0
		-0.02	0.0	-1.29e-04	0.0	160.0	0.27	0.05	0.0	1.57e-03	0.0	0.0
295	12	0.0	0.0	6.72e-05	0.11	0.0	0.28	-0.05	0.0	2.27e-03	0.0	0.0
		-0.02	0.0	-2.29e-04	0.0	160.0	0.28	0.05	0.0	2.27e-03	0.0	0.0
295	13	0.0	0.0	6.88e-05	0.11	0.0	0.25	-0.05	0.0	9.61e-04	0.0	0.0
		-0.02	0.0	-4.25e-05	0.0	160.0	0.25	0.05	0.0	9.61e-04	0.0	0.0
295	14	0.0	0.0	6.81e-05	0.11	0.0	0.26	-0.05	0.0	1.46e-03	0.0	0.0
		-0.02	0.0	-1.14e-04	0.0	160.0	0.26	0.05	0.0	1.46e-03	0.0	0.0
295	15	0.0	0.0	6.87e-05	0.11	0.0	0.26	-0.05	0.0	1.08e-03	0.0	0.0
		-0.02	0.0	-5.99e-05	0.0	160.0	0.26	0.05	0.0	1.08e-03	0.0	0.0
295	17	0.0	0.0	6.88e-05	0.11	0.0	0.25	-0.05	0.0	9.61e-04	0.0	0.0

		-0.02	0.0	-4.25e-05	0.0	160.0	0.25	0.05	0.0	9.61e-04	0.0	0.0
295	18	0.0	0.0	6.84e-05	0.11	0.0	0.26	-0.05	0.0	1.26e-03	0.0	0.0
		-0.02	0.0	-8.54e-05	0.0	160.0	0.26	0.05	0.0	1.26e-03	0.0	0.0
295	36	0.0	0.0	5.43e-05	0.11	0.0	0.98	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-6.49e-03	0.0	160.0	0.98	0.05	0.0	0.04	0.0	0.0
295	37	0.0	0.0	8.54e-05	0.11	0.0	-0.47	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	6.32e-03	0.0	160.0	-0.47	0.05	0.0	-0.04	0.0	0.0
295	39	0.0	0.0	4.08e-04	0.11	0.0	-0.19	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	4.18e-03	0.0	160.0	-0.19	0.05	0.0	-0.03	0.0	0.0
295	40	0.0	0.0	4.06e-05	0.11	0.0	0.98	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-6.59e-03	0.0	160.0	0.98	0.05	0.0	0.04	0.0	0.0
295	41	0.0	0.0	1.06e-04	0.11	0.0	-0.46	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	6.42e-03	0.0	160.0	-0.46	0.05	0.0	-0.04	0.0	0.0
295	44	0.0	0.0	1.11e-04	0.11	0.0	0.96	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-5.68e-03	0.0	160.0	0.96	0.05	0.0	0.04	0.0	0.0
295	68	0.0	0.0	5.76e-05	0.11	0.0	0.81	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-4.93e-03	0.0	160.0	0.81	0.05	0.0	0.03	0.0	0.0
295	69	0.0	0.0	8.10e-05	0.11	0.0	-0.29	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	4.75e-03	0.0	160.0	-0.29	0.05	0.0	-0.03	0.0	0.0
295	71	0.0	0.0	3.24e-04	0.11	0.0	-0.08	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	3.14e-03	0.0	160.0	-0.08	0.05	0.0	-0.02	0.0	0.0
295	72	0.0	0.0	4.81e-05	0.11	0.0	0.81	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-5.00e-03	0.0	160.0	0.81	0.05	0.0	0.03	0.0	0.0
295	73	0.0	0.0	9.42e-05	0.11	0.0	-0.29	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	4.83e-03	0.0	160.0	-0.29	0.05	0.0	-0.03	0.0	0.0
295	76	0.0	0.0	1.01e-04	0.11	0.0	0.79	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-4.32e-03	0.0	160.0	0.79	0.05	0.0	0.03	0.0	0.0
295	100	0.0	0.0	5.87e-05	0.11	0.0	0.75	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-4.38e-03	0.0	160.0	0.75	0.05	0.0	0.03	0.0	0.0
295	101	0.0	0.0	7.95e-05	0.11	0.0	-0.23	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	4.21e-03	0.0	160.0	-0.23	0.05	0.0	-0.03	0.0	0.0
295	103	0.0	0.0	2.95e-04	0.11	0.0	-0.04	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	2.78e-03	0.0	160.0	-0.04	0.05	0.0	-0.02	0.0	0.0
295	104	0.0	0.0	5.03e-05	0.11	0.0	0.75	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-4.45e-03	0.0	160.0	0.75	0.05	0.0	0.03	0.0	0.0
295	105	0.0	0.0	9.10e-05	0.11	0.0	-0.23	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	4.28e-03	0.0	160.0	-0.23	0.05	0.0	-0.03	0.0	0.0
295	108	0.0	0.0	9.69e-05	0.11	0.0	0.73	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-3.84e-03	0.0	160.0	0.73	0.05	0.0	0.03	0.0	0.0
295	132	0.0	0.0	5.00e-05	0.11	0.0	1.14	-0.05	0.0	0.05	0.0	0.0
		-0.02	0.0	-7.82e-03	0.0	160.0	1.14	0.05	0.0	0.05	0.0	0.0
295	133	0.0	0.0	9.14e-05	0.11	0.0	-0.62	-0.05	0.0	-0.05	0.0	0.0
		-0.02	0.0	7.64e-03	0.0	160.0	-0.62	0.05	0.0	-0.05	0.0	0.0
295	135	0.0	0.0	4.75e-04	0.11	0.0	-0.28	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	5.07e-03	0.0	160.0	-0.28	0.05	0.0	-0.03	0.0	0.0
295	136	0.0	0.0	3.35e-05	0.11	0.0	1.13	-0.05	0.0	0.05	0.0	0.0
		-0.02	0.0	-7.93e-03	0.0	160.0	1.13	0.05	0.0	0.05	0.0	0.0
295	137	0.0	0.0	1.17e-04	0.11	0.0	-0.61	-0.05	0.0	-0.05	0.0	0.0
		-0.02	0.0	7.75e-03	0.0	160.0	-0.61	0.05	0.0	-0.05	0.0	0.0
295	140	0.0	0.0	1.18e-04	0.11	0.0	1.11	-0.05	0.0	0.05	0.0	0.0
		-0.02	0.0	-6.83e-03	0.0	160.0	1.11	0.05	0.0	0.05	0.0	0.0
297	1	0.03	0.0	-9.29e-05	-0.14	0.0	0.63	0.07	0.0	1.27e-03	0.0	0.0
		0.0	0.0	8.72e-05	0.0	160.0	0.63	-0.07	0.0	1.27e-03	0.0	0.0
297	4	0.02	0.0	-9.06e-05	-0.11	0.0	0.37	0.05	0.0	2.88e-03	0.0	0.0
		0.0	0.0	2.44e-04	0.0	160.0	0.37	-0.05	0.0	2.88e-03	0.0	0.0
297	8	0.02	0.0	-8.42e-05	-0.11	0.0	0.36	0.05	0.0	2.82e-03	0.0	0.0
		0.0	0.0	2.34e-04	0.0	160.0	0.36	-0.05	0.0	2.82e-03	0.0	0.0
297	9	0.02	0.0	-6.53e-05	-0.11	0.0	0.46	0.05	0.0	9.03e-04	0.0	0.0
		0.0	0.0	6.03e-05	0.0	160.0	0.46	-0.05	0.0	9.03e-04	0.0	0.0
297	10	0.02	0.0	-8.62e-05	-0.11	0.0	0.43	0.05	0.0	2.07e-03	0.0	0.0
		0.0	0.0	1.70e-04	0.0	160.0	0.43	-0.05	0.0	2.07e-03	0.0	0.0
297	12	0.02	0.0	-8.19e-05	-0.11	0.0	0.43	0.05	0.0	2.03e-03	0.0	0.0
		0.0	0.0	1.64e-04	0.0	160.0	0.43	-0.05	0.0	2.03e-03	0.0	0.0
297	13	0.02	0.0	-6.22e-05	-0.11	0.0	0.47	0.05	0.0	4.38e-04	0.0	0.0
		0.0	0.0	2.07e-05	0.0	160.0	0.47	-0.05	0.0	4.38e-04	0.0	0.0
297	14	0.02	0.0	-7.16e-05	-0.11	0.0	0.46	0.05	0.0	1.02e-03	0.0	0.0
		0.0	0.0	7.58e-05	0.0	160.0	0.46	-0.05	0.0	1.02e-03	0.0	0.0
297	17	0.02	0.0	-6.22e-05	-0.11	0.0	0.47	0.05	0.0	4.38e-04	0.0	0.0
		0.0	0.0	2.07e-05	0.0	160.0	0.47	-0.05	0.0	4.38e-04	0.0	0.0
297	18	0.02	0.0	-6.77e-05	-0.11	0.0	0.47	0.05	0.0	7.87e-04	0.0	0.0
		0.0	0.0	5.38e-05	0.0	160.0	0.47	-0.05	0.0	7.87e-04	0.0	0.0
297	37	0.02	0.0	2.66e-04	-0.11	0.0	1.71	0.05	0.0	-0.05	0.0	0.0
		0.0	0.0	-4.94e-03	0.0	160.0	1.71	-0.05	0.0	-0.05	0.0	0.0
297	40	0.02	0.0	-4.08e-04	-0.11	0.0	-0.79	0.05	0.0	0.05	0.0	0.0
		0.0	0.0	5.12e-03	0.0	160.0	-0.79	-0.05	0.0	0.05	0.0	0.0

297	41	0.02	0.0	2.74e-04	-0.11	0.0	1.72	0.05	0.0	-0.05	0.0	0.0
		0.0	0.0	-5.01e-03	0.0	160.0	1.72	-0.05	0.0	-0.05	0.0	0.0
297	42	0.02	0.0	-6.85e-05	-0.11	0.0	-0.37	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	3.37e-03	0.0	160.0	-0.37	-0.05	0.0	0.03	0.0	0.0
297	69	0.02	0.0	1.88e-04	-0.11	0.0	1.41	0.05	0.0	-0.04	0.0	0.0
		0.0	0.0	-3.72e-03	0.0	160.0	1.41	-0.05	0.0	-0.04	0.0	0.0
297	72	0.02	0.0	-3.27e-04	-0.11	0.0	-0.48	0.05	0.0	0.04	0.0	0.0
		0.0	0.0	3.88e-03	0.0	160.0	-0.48	-0.05	0.0	0.04	0.0	0.0
297	73	0.02	0.0	1.94e-04	-0.11	0.0	1.41	0.05	0.0	-0.04	0.0	0.0
		0.0	0.0	-3.78e-03	0.0	160.0	1.41	-0.05	0.0	-0.04	0.0	0.0
297	74	0.02	0.0	-7.26e-05	-0.11	0.0	-0.16	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	2.56e-03	0.0	160.0	-0.16	-0.05	0.0	0.03	0.0	0.0
297	101	0.02	0.0	1.60e-04	-0.11	0.0	1.30	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-3.29e-03	0.0	160.0	1.30	-0.05	0.0	-0.03	0.0	0.0
297	104	0.02	0.0	-2.99e-04	-0.11	0.0	-0.38	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	3.46e-03	0.0	160.0	-0.38	-0.05	0.0	0.03	0.0	0.0
297	105	0.02	0.0	1.65e-04	-0.11	0.0	1.31	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-3.35e-03	0.0	160.0	1.31	-0.05	0.0	-0.03	0.0	0.0
297	106	0.02	0.0	-7.26e-05	-0.11	0.0	-0.09	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	2.28e-03	0.0	160.0	-0.09	-0.05	0.0	0.02	0.0	0.0
297	133	0.02	0.0	3.35e-04	-0.11	0.0	1.97	0.05	0.0	-0.06	0.0	0.0
		0.0	0.0	-5.97e-03	0.0	160.0	1.97	-0.05	0.0	-0.06	0.0	0.0
297	136	0.02	0.0	-4.79e-04	-0.11	0.0	-1.05	0.05	0.0	0.06	0.0	0.0
		0.0	0.0	6.16e-03	0.0	160.0	-1.05	-0.05	0.0	0.06	0.0	0.0
297	137	0.02	0.0	3.45e-04	-0.11	0.0	1.98	0.05	0.0	-0.06	0.0	0.0
		0.0	0.0	-6.05e-03	0.0	160.0	1.98	-0.05	0.0	-0.06	0.0	0.0
297	138	0.02	0.0	-7.01e-05	-0.11	0.0	-0.54	0.05	0.0	0.04	0.0	0.0
		0.0	0.0	4.06e-03	0.0	160.0	-0.54	-0.05	0.0	0.04	0.0	0.0
298	1	0.03	0.0	2.86e-05	-0.14	0.0	0.28	0.07	0.0	1.98e-04	0.0	0.0
		0.0	0.0	2.92e-05	0.0	160.0	0.28	-0.07	0.0	1.98e-04	0.0	0.0
298	4	0.02	0.0	5.02e-05	-0.11	0.0	0.15	0.05	0.0	1.28e-03	0.0	0.0
		0.0	0.0	1.21e-04	0.0	160.0	0.15	-0.05	0.0	1.28e-03	0.0	0.0
298	7	0.02	0.0	3.16e-05	-0.11	0.0	0.19	0.05	0.0	2.74e-04	0.0	0.0
		0.0	0.0	3.11e-05	0.0	160.0	0.19	-0.05	0.0	2.74e-04	0.0	0.0
298	9	0.02	0.0	2.12e-05	-0.11	0.0	0.21	0.05	0.0	1.47e-04	0.0	0.0
		0.0	0.0	2.27e-05	0.0	160.0	0.21	-0.05	0.0	1.47e-04	0.0	0.0
298	10	0.02	0.0	3.81e-05	-0.11	0.0	0.18	0.05	0.0	8.70e-04	0.0	0.0
		0.0	0.0	8.57e-05	0.0	160.0	0.18	-0.05	0.0	8.70e-04	0.0	0.0
298	11	0.02	0.0	2.57e-05	-0.11	0.0	0.21	0.05	0.0	1.99e-04	0.0	0.0
		0.0	0.0	2.59e-05	0.0	160.0	0.21	-0.05	0.0	1.99e-04	0.0	0.0
298	13	0.02	0.0	-1.74e-05	-0.11	0.0	0.22	0.05	0.0	6.87e-05	0.0	0.0
		0.0	0.0	1.80e-05	0.0	160.0	0.22	-0.05	0.0	6.87e-05	0.0	0.0
298	14	0.02	0.0	2.30e-05	-0.11	0.0	0.20	0.05	0.0	4.30e-04	0.0	0.0
		0.0	0.0	4.95e-05	0.0	160.0	0.20	-0.05	0.0	4.30e-04	0.0	0.0
298	15	0.02	0.0	1.68e-05	-0.11	0.0	0.21	0.05	0.0	9.49e-05	0.0	0.0
		0.0	0.0	1.95e-05	0.0	160.0	0.21	-0.05	0.0	9.49e-05	0.0	0.0
298	17	0.02	0.0	-1.74e-05	-0.11	0.0	0.22	0.05	0.0	6.87e-05	0.0	0.0
		0.0	0.0	1.80e-05	0.0	160.0	0.22	-0.05	0.0	6.87e-05	0.0	0.0
298	18	0.02	0.0	1.97e-05	-0.11	0.0	0.21	0.05	0.0	2.86e-04	0.0	0.0
		0.0	0.0	3.69e-05	0.0	160.0	0.21	-0.05	0.0	2.86e-04	0.0	0.0
298	20	0.02	0.0	1.99e-04	-0.11	0.0	-1.04	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	6.93e-04	0.0	160.0	-1.04	-0.05	0.0	0.02	0.0	0.0
298	21	0.02	0.0	-1.60e-04	-0.11	0.0	1.45	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-6.20e-04	0.0	160.0	1.45	-0.05	0.0	-0.01	0.0	0.0
298	38	0.02	0.0	6.71e-04	-0.11	0.0	-0.26	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	2.27e-03	0.0	160.0	-0.26	-0.05	0.0	0.01	0.0	0.0
298	43	0.02	0.0	-5.57e-04	-0.11	0.0	0.66	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-2.02e-03	0.0	160.0	0.66	-0.05	0.0	-0.01	0.0	0.0
298	44	0.02	0.0	5.87e-04	-0.11	0.0	-0.85	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	2.09e-03	0.0	160.0	-0.85	-0.05	0.0	0.02	0.0	0.0
298	46	0.02	0.0	5.96e-04	-0.11	0.0	-0.24	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	2.10e-03	0.0	160.0	-0.24	-0.05	0.0	0.01	0.0	0.0
298	52	0.02	0.0	1.59e-04	-0.11	0.0	-0.72	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	5.25e-04	0.0	160.0	-0.72	-0.05	0.0	0.01	0.0	0.0
298	53	0.02	0.0	-1.20e-04	-0.11	0.0	1.13	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-4.51e-04	0.0	160.0	1.13	-0.05	0.0	-0.01	0.0	0.0
298	70	0.02	0.0	5.09e-04	-0.11	0.0	-0.14	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	1.70e-03	0.0	160.0	-0.14	-0.05	0.0	0.01	0.0	0.0
298	75	0.02	0.0	-4.13e-04	-0.11	0.0	0.54	0.05	0.0	-8.43e-03	0.0	0.0
		0.0	0.0	-1.50e-03	0.0	160.0	0.54	-0.05	0.0	-8.43e-03	0.0	0.0
298	76	0.02	0.0	4.48e-04	-0.11	0.0	-0.58	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	1.57e-03	0.0	160.0	-0.58	-0.05	0.0	0.01	0.0	0.0
298	78	0.02	0.0	4.53e-04	-0.11	0.0	-0.13	0.05	0.0	9.00e-03	0.0	0.0
		0.0	0.0	1.58e-03	0.0	160.0	-0.13	-0.05	0.0	9.00e-03	0.0	0.0
298	84	0.02	0.0	1.44e-04	-0.11	0.0	-0.62	0.05	0.0	0.01	0.0	0.0

		0.0	0.0	4.70e-04	0.0	160.0	-0.62	-0.05	0.0	0.01	0.0	0.0
298	85	0.02	0.0	-1.04e-04	-0.11	0.0	1.03	0.05	0.0	-9.96e-03	0.0	0.0
		0.0	0.0	-3.96e-04	0.0	160.0	1.03	-0.05	0.0	-9.96e-03	0.0	0.0
298	102	0.02	0.0	4.54e-04	-0.11	0.0	-0.10	0.05	0.0	9.46e-03	0.0	0.0
		0.0	0.0	1.52e-03	0.0	160.0	-0.10	-0.05	0.0	9.46e-03	0.0	0.0
298	107	0.02	0.0	-3.64e-04	-0.11	0.0	0.51	0.05	0.0	-7.46e-03	0.0	0.0
		0.0	0.0	-1.33e-03	0.0	160.0	0.51	-0.05	0.0	-7.46e-03	0.0	0.0
298	108	0.02	0.0	4.00e-04	-0.11	0.0	-0.49	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	1.40e-03	0.0	160.0	-0.49	-0.05	0.0	0.01	0.0	0.0
298	110	0.02	0.0	4.04e-04	-0.11	0.0	-0.09	0.05	0.0	8.03e-03	0.0	0.0
		0.0	0.0	1.40e-03	0.0	160.0	-0.09	-0.05	0.0	8.03e-03	0.0	0.0
298	116	0.02	0.0	2.39e-04	-0.11	0.0	-1.29	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	8.41e-04	0.0	160.0	-1.29	-0.05	0.0	0.02	0.0	0.0
298	117	0.02	0.0	-2.00e-04	-0.11	0.0	1.70	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-7.67e-04	0.0	160.0	1.70	-0.05	0.0	-0.02	0.0	0.0
298	134	0.02	0.0	8.04e-04	-0.11	0.0	-0.35	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	2.72e-03	0.0	160.0	-0.35	-0.05	0.0	0.02	0.0	0.0
298	139	0.02	0.0	-6.74e-04	-0.11	0.0	0.75	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-2.43e-03	0.0	160.0	0.75	-0.05	0.0	-0.01	0.0	0.0
298	140	0.02	0.0	7.04e-04	-0.11	0.0	-1.07	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	2.50e-03	0.0	160.0	-1.07	-0.05	0.0	0.02	0.0	0.0
298	142	0.02	0.0	7.13e-04	-0.11	0.0	-0.34	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	2.50e-03	0.0	160.0	-0.34	-0.05	0.0	0.01	0.0	0.0
299	1	0.0	0.0	8.29e-05	0.14	0.0	0.74	-0.07	0.0	1.55e-03	0.0	0.0
		-0.03	0.0	-8.50e-05	0.0	160.0	0.74	0.07	0.0	1.55e-03	0.0	0.0
299	2	0.0	0.0	8.11e-05	0.14	0.0	0.76	-0.07	0.0	3.40e-03	0.0	0.0
		-0.03	0.0	-2.51e-04	0.0	160.0	0.76	0.07	0.0	3.40e-03	0.0	0.0
299	3	0.0	0.0	5.19e-05	0.11	0.0	0.51	-0.05	0.0	1.35e-03	0.0	0.0
		-0.02	0.0	-7.75e-05	0.0	160.0	0.51	0.05	0.0	1.35e-03	0.0	0.0
299	4	0.0	0.0	5.04e-05	0.11	0.0	0.53	-0.05	0.0	3.20e-03	0.0	0.0
		-0.02	0.0	-2.43e-04	0.0	160.0	0.53	0.05	0.0	3.20e-03	0.0	0.0
299	5	0.0	0.0	8.25e-05	0.14	0.0	0.76	-0.07	0.0	2.03e-03	0.0	0.0
		-0.03	0.0	-1.25e-04	0.0	160.0	0.76	0.07	0.0	2.03e-03	0.0	0.0
299	6	0.0	0.0	8.13e-05	0.14	0.0	0.77	-0.07	0.0	3.33e-03	0.0	0.0
		-0.03	0.0	-2.41e-04	0.0	160.0	0.77	0.07	0.0	3.33e-03	0.0	0.0
299	9	0.0	0.0	5.85e-05	0.11	0.0	0.54	-0.05	0.0	1.11e-03	0.0	0.0
		-0.02	0.0	-5.86e-05	0.0	160.0	0.54	0.05	0.0	1.11e-03	0.0	0.0
299	10	0.0	0.0	5.74e-05	0.11	0.0	0.56	-0.05	0.0	2.35e-03	0.0	0.0
		-0.02	0.0	-1.69e-04	0.0	160.0	0.56	0.05	0.0	2.35e-03	0.0	0.0
299	11	0.0	0.0	5.83e-05	0.11	0.0	0.55	-0.05	0.0	1.43e-03	0.0	0.0
		-0.02	0.0	-8.50e-05	0.0	160.0	0.55	0.05	0.0	1.43e-03	0.0	0.0
299	12	0.0	0.0	5.75e-05	0.11	0.0	0.56	-0.05	0.0	2.30e-03	0.0	0.0
		-0.02	0.0	-1.62e-04	0.0	160.0	0.56	0.05	0.0	2.30e-03	0.0	0.0
299	13	0.0	0.0	5.89e-05	0.11	0.0	0.53	-0.05	0.0	6.26e-04	0.0	0.0
		-0.02	0.0	-1.89e-05	0.0	160.0	0.53	0.05	0.0	6.26e-04	0.0	0.0
299	14	0.0	0.0	5.83e-05	0.11	0.0	0.54	-0.05	0.0	1.24e-03	0.0	0.0
		-0.02	0.0	-7.43e-05	0.0	160.0	0.54	0.05	0.0	1.24e-03	0.0	0.0
299	16	0.0	0.0	5.84e-05	0.11	0.0	0.54	-0.05	0.0	1.16e-03	0.0	0.0
		-0.02	0.0	-6.53e-05	0.0	160.0	0.54	0.05	0.0	1.16e-03	0.0	0.0
299	17	0.0	0.0	5.89e-05	0.11	0.0	0.53	-0.05	0.0	6.26e-04	0.0	0.0
		-0.02	0.0	-1.89e-05	0.0	160.0	0.53	0.05	0.0	6.26e-04	0.0	0.0
299	18	0.0	0.0	5.85e-05	0.11	0.0	0.54	-0.05	0.0	9.97e-04	0.0	0.0
		-0.02	0.0	-5.21e-05	0.0	160.0	0.54	0.05	0.0	9.97e-04	0.0	0.0
299	20	0.0	0.0	5.11e-04	0.11	0.0	1.20	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-3.98e-03	0.0	160.0	1.20	0.05	0.0	0.04	0.0	0.0
299	21	0.0	0.0	-4.01e-04	0.11	0.0	-0.13	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	3.88e-03	0.0	160.0	-0.13	0.05	0.0	-0.04	0.0	0.0
299	40	0.0	0.0	3.42e-05	0.11	0.0	1.37	-0.05	0.0	0.05	0.0	0.0
		-0.02	0.0	-5.13e-03	0.0	160.0	1.37	0.05	0.0	0.05	0.0	0.0
299	41	0.0	0.0	9.15e-05	0.11	0.0	-0.30	-0.05	0.0	-0.05	0.0	0.0
		-0.02	0.0	5.02e-03	0.0	160.0	-0.30	0.05	0.0	-0.05	0.0	0.0
299	47	0.0	0.0	3.05e-04	0.11	0.0	0.04	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	2.62e-03	0.0	160.0	0.04	0.05	0.0	-0.03	0.0	0.0
299	50	0.0	0.0	-1.95e-04	0.11	0.0	1.03	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-2.72e-03	0.0	160.0	1.03	0.05	0.0	0.03	0.0	0.0
299	52	0.0	0.0	3.96e-04	0.11	0.0	1.04	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-3.02e-03	0.0	160.0	1.04	0.05	0.0	0.03	0.0	0.0
299	53	0.0	0.0	-2.86e-04	0.11	0.0	0.03	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	2.91e-03	0.0	160.0	0.03	0.05	0.0	-0.03	0.0	0.0
299	72	0.0	0.0	4.08e-05	0.11	0.0	1.17	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-3.89e-03	0.0	160.0	1.17	0.05	0.0	0.04	0.0	0.0
299	73	0.0	0.0	8.06e-05	0.11	0.0	-0.09	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	3.79e-03	0.0	160.0	-0.09	0.05	0.0	-0.04	0.0	0.0
299	79	0.0	0.0	2.43e-04	0.11	0.0	0.16	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	1.97e-03	0.0	160.0	0.16	0.05	0.0	-0.02	0.0	0.0

299	82	0.0	0.0	-1.33e-04	0.11	0.0	0.91	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-2.07e-03	0.0	160.0	0.91	0.05	0.0	0.02	0.0	0.0
299	84	0.0	0.0	3.57e-04	0.11	0.0	0.98	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-2.68e-03	0.0	160.0	0.98	0.05	0.0	0.03	0.0	0.0
299	85	0.0	0.0	-2.47e-04	0.11	0.0	0.09	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	2.58e-03	0.0	160.0	0.09	0.05	0.0	-0.03	0.0	0.0
299	104	0.0	0.0	4.27e-05	0.11	0.0	1.09	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-3.46e-03	0.0	160.0	1.09	0.05	0.0	0.04	0.0	0.0
299	105	0.0	0.0	7.76e-05	0.11	0.0	-0.02	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	3.36e-03	0.0	160.0	-0.02	0.05	0.0	-0.03	0.0	0.0
299	111	0.0	0.0	2.22e-04	0.11	0.0	0.20	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	1.74e-03	0.0	160.0	0.20	0.05	0.0	-0.02	0.0	0.0
299	114	0.0	0.0	-1.12e-04	0.11	0.0	0.87	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-1.85e-03	0.0	160.0	0.87	0.05	0.0	0.02	0.0	0.0
299	116	0.0	0.0	5.98e-04	0.11	0.0	1.34	-0.05	0.0	0.05	0.0	0.0
		-0.02	0.0	-4.79e-03	0.0	160.0	1.34	0.05	0.0	0.05	0.0	0.0
299	117	0.0	0.0	-4.88e-04	0.11	0.0	-0.27	-0.05	0.0	-0.05	0.0	0.0
		-0.02	0.0	4.69e-03	0.0	160.0	-0.27	0.05	0.0	-0.05	0.0	0.0
299	136	0.0	0.0	2.81e-05	0.11	0.0	1.54	-0.05	0.0	0.07	0.0	0.0
		-0.02	0.0	-6.17e-03	0.0	160.0	1.54	0.05	0.0	0.07	0.0	0.0
299	137	0.0	0.0	1.02e-04	0.11	0.0	-0.47	-0.05	0.0	-0.06	0.0	0.0
		-0.02	0.0	6.07e-03	0.0	160.0	-0.47	0.05	0.0	-0.06	0.0	0.0
299	143	0.0	0.0	3.53e-04	0.11	0.0	-0.06	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	3.17e-03	0.0	160.0	-0.06	0.05	0.0	-0.03	0.0	0.0
299	146	0.0	0.0	-2.43e-04	0.11	0.0	1.13	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-3.28e-03	0.0	160.0	1.13	0.05	0.0	0.04	0.0	0.0
300	1	0.0	0.0	2.37e-05	0.14	0.0	0.03	-0.07	0.0	2.35e-04	0.0	0.0
		-0.03	0.0	-2.82e-05	0.0	160.0	0.03	0.07	0.0	2.35e-04	0.0	0.0
300	2	0.0	0.0	2.86e-05	0.14	0.0	0.05	-0.07	0.0	1.34e-03	0.0	0.0
		-0.03	0.0	-1.22e-04	0.0	160.0	0.05	0.07	0.0	1.34e-03	0.0	0.0
300	3	0.0	0.0	1.76e-05	0.11	0.0	0.02	-0.05	0.0	2.30e-04	0.0	0.0
		-0.02	0.0	-2.54e-05	0.0	160.0	0.02	0.05	0.0	2.30e-04	0.0	0.0
300	9	0.0	0.0	1.83e-05	0.11	0.0	0.02	-0.05	0.0	1.75e-04	0.0	0.0
		-0.02	0.0	-2.20e-05	0.0	160.0	0.02	0.05	0.0	1.75e-04	0.0	0.0
300	10	0.0	0.0	2.15e-05	0.11	0.0	0.04	-0.05	0.0	9.10e-04	0.0	0.0
		-0.02	0.0	-8.46e-05	0.0	160.0	0.04	0.05	0.0	9.10e-04	0.0	0.0
300	13	0.0	0.0	1.93e-05	0.11	0.0	0.02	-0.05	0.0	8.66e-05	0.0	0.0
		-0.02	0.0	-1.75e-05	0.0	160.0	0.02	0.05	0.0	8.66e-05	0.0	0.0
300	14	0.0	0.0	2.10e-05	0.11	0.0	0.02	-0.05	0.0	4.54e-04	0.0	0.0
		-0.02	0.0	-4.88e-05	0.0	160.0	0.02	0.05	0.0	4.54e-04	0.0	0.0
300	17	0.0	0.0	1.93e-05	0.11	0.0	0.02	-0.05	0.0	8.66e-05	0.0	0.0
		-0.02	0.0	-1.75e-05	0.0	160.0	0.02	0.05	0.0	8.66e-05	0.0	0.0
300	18	0.0	0.0	2.03e-05	0.11	0.0	0.02	-0.05	0.0	3.07e-04	0.0	0.0
		-0.02	0.0	-3.62e-05	0.0	160.0	0.02	0.05	0.0	3.07e-04	0.0	0.0
300	28	0.0	0.0	1.81e-05	0.11	0.0	0.55	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-1.01e-03	0.0	160.0	0.55	0.05	0.0	0.02	0.0	0.0
300	40	0.0	0.0	-2.87e-04	0.11	0.0	0.63	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-2.35e-03	0.0	160.0	0.63	0.05	0.0	0.02	0.0	0.0
300	41	0.0	0.0	2.71e-04	0.11	0.0	-0.59	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	2.28e-03	0.0	160.0	-0.59	0.05	0.0	-0.02	0.0	0.0
300	44	0.0	0.0	-2.98e-04	0.11	0.0	0.55	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-2.08e-03	0.0	160.0	0.55	0.05	0.0	0.02	0.0	0.0
300	45	0.0	0.0	2.82e-04	0.11	0.0	-0.51	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	2.01e-03	0.0	160.0	-0.51	0.05	0.0	-0.02	0.0	0.0
300	60	0.0	0.0	1.69e-05	0.11	0.0	0.42	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-7.46e-04	0.0	160.0	0.42	0.05	0.0	0.01	0.0	0.0
300	72	0.0	0.0	-2.16e-04	0.11	0.0	0.48	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-1.76e-03	0.0	160.0	0.48	0.05	0.0	0.02	0.0	0.0
300	73	0.0	0.0	2.00e-04	0.11	0.0	-0.44	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	1.68e-03	0.0	160.0	-0.44	0.05	0.0	-0.02	0.0	0.0
300	76	0.0	0.0	-2.24e-04	0.11	0.0	0.42	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-1.56e-03	0.0	160.0	0.42	0.05	0.0	0.01	0.0	0.0
300	77	0.0	0.0	2.08e-04	0.11	0.0	-0.38	-0.05	0.0	-0.01	0.0	0.0
		-0.02	0.0	1.49e-03	0.0	160.0	-0.38	0.05	0.0	-0.01	0.0	0.0
300	92	0.0	0.0	1.72e-05	0.11	0.0	0.38	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-6.64e-04	0.0	160.0	0.38	0.05	0.0	0.01	0.0	0.0
300	104	0.0	0.0	-1.93e-04	0.11	0.0	0.43	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-1.56e-03	0.0	160.0	0.43	0.05	0.0	0.01	0.0	0.0
300	105	0.0	0.0	1.76e-04	0.11	0.0	-0.39	-0.05	0.0	-0.01	0.0	0.0
		-0.02	0.0	1.49e-03	0.0	160.0	-0.39	0.05	0.0	-0.01	0.0	0.0
300	108	0.0	0.0	-1.99e-04	0.11	0.0	0.38	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-1.39e-03	0.0	160.0	0.38	0.05	0.0	0.01	0.0	0.0
300	109	0.0	0.0	1.83e-04	0.11	0.0	-0.34	-0.05	0.0	-0.01	0.0	0.0
		-0.02	0.0	1.32e-03	0.0	160.0	-0.34	0.05	0.0	-0.01	0.0	0.0
300	124	0.0	0.0	1.93e-05	0.11	0.0	0.66	-0.05	0.0	0.02	0.0	0.0

		-0.02	0.0	-1.24e-03	0.0	160.0	0.66	0.05	0.0	0.02	0.0	0.0
300	136	0.0	0.0	-3.42e-04	0.11	0.0	0.76	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-2.83e-03	0.0	160.0	0.76	0.05	0.0	0.03	0.0	0.0
300	137	0.0	0.0	3.26e-04	0.11	0.0	-0.72	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	2.76e-03	0.0	160.0	-0.72	0.05	0.0	-0.03	0.0	0.0
300	140	0.0	0.0	-3.56e-04	0.11	0.0	0.66	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-2.49e-03	0.0	160.0	0.66	0.05	0.0	0.02	0.0	0.0
300	141	0.0	0.0	3.40e-04	0.11	0.0	-0.62	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	2.42e-03	0.0	160.0	-0.62	0.05	0.0	-0.02	0.0	0.0
301	1	0.03	0.0	-8.38e-05	-0.14	0.0	0.64	0.07	0.0	1.34e-03	0.0	0.0
		0.0	0.0	4.98e-05	0.0	160.0	0.64	-0.07	0.0	1.34e-03	0.0	0.0
301	4	0.02	0.0	-7.97e-05	-0.11	0.0	0.37	0.05	0.0	3.02e-03	0.0	0.0
		0.0	0.0	1.57e-04	0.0	160.0	0.37	-0.05	0.0	3.02e-03	0.0	0.0
301	7	0.02	0.0	-5.75e-05	-0.11	0.0	0.39	0.05	0.0	1.67e-03	0.0	0.0
		0.0	0.0	7.12e-05	0.0	160.0	0.39	-0.05	0.0	1.67e-03	0.0	0.0
301	8	0.02	0.0	-7.43e-05	-0.11	0.0	0.36	0.05	0.0	2.96e-03	0.0	0.0
		0.0	0.0	1.49e-04	0.0	160.0	0.36	-0.05	0.0	2.96e-03	0.0	0.0
301	9	0.02	0.0	-5.95e-05	-0.11	0.0	0.46	0.05	0.0	9.45e-04	0.0	0.0
		0.0	0.0	3.38e-05	0.0	160.0	0.46	-0.05	0.0	9.45e-04	0.0	0.0
301	10	0.02	0.0	-7.59e-05	-0.11	0.0	0.43	0.05	0.0	2.17e-03	0.0	0.0
		0.0	0.0	1.08e-04	0.0	160.0	0.43	-0.05	0.0	2.17e-03	0.0	0.0
301	11	0.02	0.0	-6.11e-05	-0.11	0.0	0.45	0.05	0.0	1.27e-03	0.0	0.0
		0.0	0.0	5.07e-05	0.0	160.0	0.45	-0.05	0.0	1.27e-03	0.0	0.0
301	12	0.02	0.0	-7.25e-05	-0.11	0.0	0.43	0.05	0.0	2.13e-03	0.0	0.0
		0.0	0.0	1.03e-04	0.0	160.0	0.43	-0.05	0.0	2.13e-03	0.0	0.0
301	13	0.02	0.0	-5.70e-05	-0.11	0.0	0.49	0.05	0.0	4.58e-04	0.0	0.0
		0.0	0.0	8.43e-06	0.0	160.0	0.49	-0.05	0.0	4.58e-04	0.0	0.0
301	14	0.02	0.0	-6.47e-05	-0.11	0.0	0.47	0.05	0.0	1.07e-03	0.0	0.0
		0.0	0.0	4.57e-05	0.0	160.0	0.47	-0.05	0.0	1.07e-03	0.0	0.0
301	15	0.02	0.0	-5.78e-05	-0.11	0.0	0.48	0.05	0.0	6.20e-04	0.0	0.0
		0.0	0.0	1.69e-05	0.0	160.0	0.48	-0.05	0.0	6.20e-04	0.0	0.0
301	16	0.02	0.0	-6.23e-05	-0.11	0.0	0.47	0.05	0.0	9.89e-04	0.0	0.0
		0.0	0.0	3.92e-05	0.0	160.0	0.47	-0.05	0.0	9.89e-04	0.0	0.0
301	17	0.02	0.0	-5.70e-05	-0.11	0.0	0.49	0.05	0.0	4.58e-04	0.0	0.0
		0.0	0.0	8.43e-06	0.0	160.0	0.49	-0.05	0.0	4.58e-04	0.0	0.0
301	18	0.02	0.0	-6.15e-05	-0.11	0.0	0.48	0.05	0.0	8.27e-04	0.0	0.0
		0.0	0.0	3.08e-05	0.0	160.0	0.48	-0.05	0.0	8.27e-04	0.0	0.0
301	31	0.02	0.0	-5.16e-04	-0.11	0.0	-0.07	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	1.33e-03	0.0	160.0	-0.07	-0.05	0.0	0.02	0.0	0.0
301	33	0.02	0.0	4.73e-04	-0.11	0.0	1.75	0.05	0.0	-0.04	0.0	0.0
		0.0	0.0	-2.72e-03	0.0	160.0	1.75	-0.05	0.0	-0.04	0.0	0.0
301	34	0.02	0.0	3.99e-04	-0.11	0.0	1.02	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.26e-03	0.0	160.0	1.02	-0.05	0.0	-0.02	0.0	0.0
301	38	0.02	0.0	-6.07e-05	-0.11	0.0	-0.61	0.05	0.0	0.04	0.0	0.0
		0.0	0.0	2.38e-03	0.0	160.0	-0.61	-0.05	0.0	0.04	0.0	0.0
301	40	0.02	0.0	-3.47e-04	-0.11	0.0	-1.15	0.05	0.0	0.05	0.0	0.0
		0.0	0.0	3.55e-03	0.0	160.0	-1.15	-0.05	0.0	0.05	0.0	0.0
301	41	0.02	0.0	2.30e-04	-0.11	0.0	2.10	0.05	0.0	-0.05	0.0	0.0
		0.0	0.0	-3.49e-03	0.0	160.0	2.10	-0.05	0.0	-0.05	0.0	0.0
301	63	0.02	0.0	-4.01e-04	-0.11	0.0	0.06	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	1.01e-03	0.0	160.0	0.06	-0.05	0.0	0.02	0.0	0.0
301	65	0.02	0.0	3.42e-04	-0.11	0.0	1.44	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-2.06e-03	0.0	160.0	1.44	-0.05	0.0	-0.03	0.0	0.0
301	66	0.02	0.0	2.83e-04	-0.11	0.0	0.89	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-9.51e-04	0.0	160.0	0.89	-0.05	0.0	-0.01	0.0	0.0
301	70	0.02	0.0	-6.44e-05	-0.11	0.0	-0.35	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	1.81e-03	0.0	160.0	-0.35	-0.05	0.0	0.03	0.0	0.0
301	72	0.02	0.0	-2.80e-04	-0.11	0.0	-0.75	0.05	0.0	0.04	0.0	0.0
		0.0	0.0	2.69e-03	0.0	160.0	-0.75	-0.05	0.0	0.04	0.0	0.0
301	73	0.02	0.0	1.62e-04	-0.11	0.0	1.71	0.05	0.0	-0.04	0.0	0.0
		0.0	0.0	-2.63e-03	0.0	160.0	1.71	-0.05	0.0	-0.04	0.0	0.0
301	95	0.02	0.0	-3.62e-04	-0.11	0.0	0.11	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	9.03e-04	0.0	160.0	0.11	-0.05	0.0	0.01	0.0	0.0
301	97	0.02	0.0	2.97e-04	-0.11	0.0	1.33	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-1.82e-03	0.0	160.0	1.33	-0.05	0.0	-0.03	0.0	0.0
301	98	0.02	0.0	2.45e-04	-0.11	0.0	0.84	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-8.41e-04	0.0	160.0	0.84	-0.05	0.0	-0.01	0.0	0.0
301	102	0.02	0.0	-6.45e-05	-0.11	0.0	-0.26	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	1.61e-03	0.0	160.0	-0.26	-0.05	0.0	0.03	0.0	0.0
301	104	0.02	0.0	-2.55e-04	-0.11	0.0	-0.62	0.05	0.0	0.04	0.0	0.0
		0.0	0.0	2.39e-03	0.0	160.0	-0.62	-0.05	0.0	0.04	0.0	0.0
301	105	0.02	0.0	1.38e-04	-0.11	0.0	1.57	0.05	0.0	-0.04	0.0	0.0
		0.0	0.0	-2.33e-03	0.0	160.0	1.57	-0.05	0.0	-0.04	0.0	0.0
301	127	0.02	0.0	-6.09e-04	-0.11	0.0	-0.18	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	1.58e-03	0.0	160.0	-0.18	-0.05	0.0	0.02	0.0	0.0

301	129	0.02	0.0	5.82e-04	-0.11	0.0	2.02	0.05	0.0	-0.05	0.0	0.0
		0.0	0.0	-3.27e-03	0.0	160.0	2.02	-0.05	0.0	-0.05	0.0	0.0
301	130	0.02	0.0	4.92e-04	-0.11	0.0	1.13	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.52e-03	0.0	160.0	1.13	-0.05	0.0	-0.02	0.0	0.0
301	134	0.02	0.0	-6.19e-05	-0.11	0.0	-0.84	0.05	0.0	0.04	0.0	0.0
		0.0	0.0	2.87e-03	0.0	160.0	-0.84	-0.05	0.0	0.04	0.0	0.0
301	136	0.02	0.0	-4.08e-04	-0.11	0.0	-1.49	0.05	0.0	0.07	0.0	0.0
		0.0	0.0	4.27e-03	0.0	160.0	-1.49	-0.05	0.0	0.07	0.0	0.0
301	137	0.02	0.0	2.90e-04	-0.11	0.0	2.44	0.05	0.0	-0.06	0.0	0.0
		0.0	0.0	-4.21e-03	0.0	160.0	2.44	-0.05	0.0	-0.06	0.0	0.0
302	1	0.03	0.0	2.41e-05	-0.14	0.0	0.36	0.07	0.0	2.42e-04	0.0	0.0
		0.0	0.0	1.62e-05	0.0	160.0	0.36	-0.07	0.0	2.42e-04	0.0	0.0
302	2	0.03	0.0	4.14e-05	-0.14	0.0	0.31	0.07	0.0	9.99e-04	0.0	0.0
		0.0	0.0	5.77e-05	0.0	160.0	0.31	-0.07	0.0	9.99e-04	0.0	0.0
302	4	0.02	0.0	3.79e-05	-0.11	0.0	0.21	0.05	0.0	9.74e-04	0.0	0.0
		0.0	0.0	5.56e-05	0.0	160.0	0.21	-0.05	0.0	9.74e-04	0.0	0.0
302	9	0.02	0.0	1.80e-05	-0.11	0.0	0.27	0.05	0.0	1.84e-04	0.0	0.0
		0.0	0.0	1.28e-05	0.0	160.0	0.27	-0.05	0.0	1.84e-04	0.0	0.0
302	10	0.02	0.0	2.95e-05	-0.11	0.0	0.24	0.05	0.0	6.89e-04	0.0	0.0
		0.0	0.0	4.06e-05	0.0	160.0	0.24	-0.05	0.0	6.89e-04	0.0	0.0
302	13	0.02	0.0	-1.80e-05	-0.11	0.0	0.28	0.05	0.0	1.35e-04	0.0	0.0
		0.0	0.0	1.19e-05	0.0	160.0	0.28	-0.05	0.0	1.35e-04	0.0	0.0
302	14	0.02	0.0	1.90e-05	-0.11	0.0	0.26	0.05	0.0	3.87e-04	0.0	0.0
		0.0	0.0	2.58e-05	0.0	160.0	0.26	-0.05	0.0	3.87e-04	0.0	0.0
302	17	0.02	0.0	-1.80e-05	-0.11	0.0	0.28	0.05	0.0	1.35e-04	0.0	0.0
		0.0	0.0	1.19e-05	0.0	160.0	0.28	-0.05	0.0	1.35e-04	0.0	0.0
302	18	0.02	0.0	1.67e-05	-0.11	0.0	0.27	0.05	0.0	2.86e-04	0.0	0.0
		0.0	0.0	2.02e-05	0.0	160.0	0.27	-0.05	0.0	2.86e-04	0.0	0.0
302	19	0.02	0.0	-1.58e-04	-0.11	0.0	-1.43	0.05	0.0	4.00e-03	0.0	0.0
		0.0	0.0	-3.68e-04	0.0	160.0	-1.43	-0.05	0.0	4.00e-03	0.0	0.0
302	22	0.02	0.0	1.92e-04	-0.11	0.0	1.97	0.05	0.0	-3.43e-03	0.0	0.0
		0.0	0.0	4.08e-04	0.0	160.0	1.97	-0.05	0.0	-3.43e-03	0.0	0.0
302	37	0.02	0.0	-4.36e-04	-0.11	0.0	-0.23	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-9.93e-04	0.0	160.0	-0.23	-0.05	0.0	-0.01	0.0	0.0
302	40	0.02	0.0	4.80e-04	-0.11	0.0	0.80	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	1.08e-03	0.0	160.0	0.80	-0.05	0.0	0.02	0.0	0.0
302	41	0.02	0.0	-4.47e-04	-0.11	0.0	-0.26	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-1.04e-03	0.0	160.0	-0.26	-0.05	0.0	-0.01	0.0	0.0
302	42	0.02	0.0	4.81e-04	-0.11	0.0	1.59	0.05	0.0	9.20e-03	0.0	0.0
		0.0	0.0	1.03e-03	0.0	160.0	1.59	-0.05	0.0	9.20e-03	0.0	0.0
302	51	0.02	0.0	-1.12e-04	-0.11	0.0	-1.00	0.05	0.0	3.10e-03	0.0	0.0
		0.0	0.0	-2.71e-04	0.0	160.0	-1.00	-0.05	0.0	3.10e-03	0.0	0.0
302	54	0.02	0.0	1.45e-04	-0.11	0.0	1.54	0.05	0.0	-2.53e-03	0.0	0.0
		0.0	0.0	3.11e-04	0.0	160.0	1.54	-0.05	0.0	-2.53e-03	0.0	0.0
302	69	0.02	0.0	-3.25e-04	-0.11	0.0	-0.09	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-7.34e-04	0.0	160.0	-0.09	-0.05	0.0	-0.01	0.0	0.0
302	72	0.02	0.0	3.66e-04	-0.11	0.0	0.66	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	8.09e-04	0.0	160.0	0.66	-0.05	0.0	0.01	0.0	0.0
302	73	0.02	0.0	-3.32e-04	-0.11	0.0	-0.12	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-7.69e-04	0.0	160.0	-0.12	-0.05	0.0	-0.01	0.0	0.0
302	74	0.02	0.0	3.66e-04	-0.11	0.0	1.25	0.05	0.0	7.06e-03	0.0	0.0
		0.0	0.0	7.75e-04	0.0	160.0	1.25	-0.05	0.0	7.06e-03	0.0	0.0
302	83	0.02	0.0	-9.71e-05	-0.11	0.0	-0.86	0.05	0.0	2.79e-03	0.0	0.0
		0.0	0.0	-2.38e-04	0.0	160.0	-0.86	-0.05	0.0	2.79e-03	0.0	0.0
302	86	0.02	0.0	1.31e-04	-0.11	0.0	1.40	0.05	0.0	-2.22e-03	0.0	0.0
		0.0	0.0	2.79e-04	0.0	160.0	1.40	-0.05	0.0	-2.22e-03	0.0	0.0
302	101	0.02	0.0	-2.87e-04	-0.11	0.0	-0.05	0.05	0.0	-9.14e-03	0.0	0.0
		0.0	0.0	-6.48e-04	0.0	160.0	-0.05	-0.05	0.0	-9.14e-03	0.0	0.0
302	104	0.02	0.0	3.26e-04	-0.11	0.0	0.61	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	7.19e-04	0.0	160.0	0.61	-0.05	0.0	0.01	0.0	0.0
302	105	0.02	0.0	-2.93e-04	-0.11	0.0	-0.07	0.05	0.0	-9.62e-03	0.0	0.0
		0.0	0.0	-6.79e-04	0.0	160.0	-0.07	-0.05	0.0	-9.62e-03	0.0	0.0
302	106	0.02	0.0	3.27e-04	-0.11	0.0	1.14	0.05	0.0	6.30e-03	0.0	0.0
		0.0	0.0	6.89e-04	0.0	160.0	1.14	-0.05	0.0	6.30e-03	0.0	0.0
302	115	0.02	0.0	-1.92e-04	-0.11	0.0	-1.77	0.05	0.0	4.74e-03	0.0	0.0
		0.0	0.0	-4.38e-04	0.0	160.0	-1.77	-0.05	0.0	4.74e-03	0.0	0.0
302	118	0.02	0.0	2.25e-04	-0.11	0.0	2.31	0.05	0.0	-4.17e-03	0.0	0.0
		0.0	0.0	4.79e-04	0.0	160.0	2.31	-0.05	0.0	-4.17e-03	0.0	0.0
302	133	0.02	0.0	-5.30e-04	-0.11	0.0	-0.33	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.20e-03	0.0	160.0	-0.33	-0.05	0.0	-0.02	0.0	0.0
302	136	0.02	0.0	5.77e-04	-0.11	0.0	0.91	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	1.30e-03	0.0	160.0	0.91	-0.05	0.0	0.02	0.0	0.0
302	137	0.02	0.0	-5.43e-04	-0.11	0.0	-0.37	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.26e-03	0.0	160.0	-0.37	-0.05	0.0	-0.02	0.0	0.0
302	138	0.02	0.0	5.75e-04	-0.11	0.0	1.85	0.05	0.0	0.01	0.0	0.0

		0.0	0.0	1.23e-03	0.0	160.0	1.85	-0.05	0.0	0.01	0.0	0.0
303	1	0.0	0.0	7.42e-05	0.14	0.0	0.78	-0.07	0.0	1.37e-03	0.0	0.0
		-0.03	0.0	-4.01e-05	0.0	160.0	0.78	0.07	0.0	1.37e-03	0.0	0.0
303	3	0.0	0.0	4.74e-05	0.11	0.0	0.54	-0.05	0.0	1.21e-03	0.0	0.0
		-0.02	0.0	-3.84e-05	0.0	160.0	0.54	0.05	0.0	1.21e-03	0.0	0.0
303	4	0.0	0.0	4.60e-05	0.11	0.0	0.56	-0.05	0.0	3.10e-03	0.0	0.0
		-0.02	0.0	-1.49e-04	0.0	160.0	0.56	0.05	0.0	3.10e-03	0.0	0.0
303	5	0.0	0.0	7.39e-05	0.14	0.0	0.79	-0.07	0.0	1.86e-03	0.0	0.0
		-0.03	0.0	-6.52e-05	0.0	160.0	0.79	0.07	0.0	1.86e-03	0.0	0.0
303	6	0.0	0.0	7.29e-05	0.14	0.0	0.81	-0.07	0.0	3.18e-03	0.0	0.0
		-0.03	0.0	-1.43e-04	0.0	160.0	0.81	0.07	0.0	3.18e-03	0.0	0.0
303	9	0.0	0.0	5.28e-05	0.11	0.0	0.57	-0.05	0.0	9.67e-04	0.0	0.0
		-0.02	0.0	-2.65e-05	0.0	160.0	0.57	0.05	0.0	9.67e-04	0.0	0.0
303	10	0.0	0.0	5.19e-05	0.11	0.0	0.58	-0.05	0.0	2.23e-03	0.0	0.0
		-0.02	0.0	-1.00e-04	0.0	160.0	0.58	0.05	0.0	2.23e-03	0.0	0.0
303	11	0.0	0.0	5.26e-05	0.11	0.0	0.58	-0.05	0.0	1.30e-03	0.0	0.0
		-0.02	0.0	-4.32e-05	0.0	160.0	0.58	0.05	0.0	1.30e-03	0.0	0.0
303	12	0.0	0.0	5.20e-05	0.11	0.0	0.59	-0.05	0.0	2.18e-03	0.0	0.0
		-0.02	0.0	-9.49e-05	0.0	160.0	0.59	0.05	0.0	2.18e-03	0.0	0.0
303	13	0.0	0.0	5.30e-05	0.11	0.0	0.55	-0.05	0.0	4.71e-04	0.0	0.0
		-0.02	0.0	-1.38e-06	0.0	160.0	0.55	0.05	0.0	4.71e-04	0.0	0.0
303	14	0.0	0.0	5.26e-05	0.11	0.0	0.56	-0.05	0.0	1.10e-03	0.0	0.0
		-0.02	0.0	-3.82e-05	0.0	160.0	0.56	0.05	0.0	1.10e-03	0.0	0.0
303	15	0.0	0.0	5.29e-05	0.11	0.0	0.56	-0.05	0.0	6.36e-04	0.0	0.0
		-0.02	0.0	-9.75e-06	0.0	160.0	0.56	0.05	0.0	6.36e-04	0.0	0.0
303	16	0.0	0.0	5.27e-05	0.11	0.0	0.56	-0.05	0.0	1.01e-03	0.0	0.0
		-0.02	0.0	-3.19e-05	0.0	160.0	0.56	0.05	0.0	1.01e-03	0.0	0.0
303	17	0.0	0.0	5.30e-05	0.11	0.0	0.55	-0.05	0.0	4.71e-04	0.0	0.0
		-0.02	0.0	-1.38e-06	0.0	160.0	0.55	0.05	0.0	4.71e-04	0.0	0.0
303	18	0.0	0.0	5.28e-05	0.11	0.0	0.56	-0.05	0.0	8.48e-04	0.0	0.0
		-0.02	0.0	-2.35e-05	0.0	160.0	0.56	0.05	0.0	8.48e-04	0.0	0.0
303	36	0.0	0.0	4.11e-05	0.11	0.0	1.73	-0.05	0.0	0.06	0.0	0.0
		-0.02	0.0	-3.44e-03	0.0	160.0	1.73	0.05	0.0	0.06	0.0	0.0
303	37	0.0	0.0	6.63e-05	0.11	0.0	-0.61	-0.05	0.0	-0.05	0.0	0.0
		-0.02	0.0	3.39e-03	0.0	160.0	-0.61	0.05	0.0	-0.05	0.0	0.0
303	46	0.0	0.0	-1.93e-04	0.11	0.0	1.23	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-1.87e-03	0.0	160.0	1.23	0.05	0.0	0.03	0.0	0.0
303	47	0.0	0.0	2.72e-04	0.11	0.0	-0.12	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	1.78e-03	0.0	160.0	-0.12	0.05	0.0	-0.03	0.0	0.0
303	68	0.0	0.0	4.38e-05	0.11	0.0	1.44	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-2.60e-03	0.0	160.0	1.44	0.05	0.0	0.04	0.0	0.0
303	69	0.0	0.0	6.27e-05	0.11	0.0	-0.32	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	2.55e-03	0.0	160.0	-0.32	0.05	0.0	-0.04	0.0	0.0
303	78	0.0	0.0	-1.32e-04	0.11	0.0	1.07	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-1.43e-03	0.0	160.0	1.07	0.05	0.0	0.02	0.0	0.0
303	79	0.0	0.0	2.16e-04	0.11	0.0	0.05	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	1.34e-03	0.0	160.0	0.05	0.05	0.0	-0.02	0.0	0.0
303	100	0.0	0.0	4.47e-05	0.11	0.0	1.34	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-2.31e-03	0.0	160.0	1.34	0.05	0.0	0.04	0.0	0.0
303	101	0.0	0.0	6.15e-05	0.11	0.0	-0.22	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	2.27e-03	0.0	160.0	-0.22	0.05	0.0	-0.04	0.0	0.0
303	110	0.0	0.0	-1.12e-04	0.11	0.0	1.01	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-1.27e-03	0.0	160.0	1.01	0.05	0.0	0.02	0.0	0.0
303	111	0.0	0.0	1.97e-04	0.11	0.0	0.10	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	1.19e-03	0.0	160.0	0.10	0.05	0.0	-0.02	0.0	0.0
303	132	0.0	0.0	3.76e-05	0.11	0.0	1.97	-0.05	0.0	0.07	0.0	0.0
		-0.02	0.0	-4.14e-03	0.0	160.0	1.97	0.05	0.0	0.07	0.0	0.0
303	133	0.0	0.0	7.09e-05	0.11	0.0	-0.85	-0.05	0.0	-0.06	0.0	0.0
		-0.02	0.0	4.09e-03	0.0	160.0	-0.85	0.05	0.0	-0.06	0.0	0.0
303	142	0.0	0.0	-2.41e-04	0.11	0.0	1.37	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-2.25e-03	0.0	160.0	1.37	0.05	0.0	0.04	0.0	0.0
303	143	0.0	0.0	3.15e-04	0.11	0.0	-0.26	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	2.15e-03	0.0	160.0	-0.26	0.05	0.0	-0.04	0.0	0.0
305	1	0.03	0.0	-6.34e-05	-0.14	0.0	0.90	0.07	0.0	2.34e-04	0.0	0.0
		0.0	0.0	2.12e-05	0.0	160.0	0.90	-0.07	0.0	2.34e-04	0.0	0.0
305	2	0.03	0.0	-7.58e-05	-0.14	0.0	0.78	0.07	0.0	1.18e-03	0.0	0.0
		0.0	0.0	8.22e-05	0.0	160.0	0.78	-0.07	0.0	1.18e-03	0.0	0.0
305	4	0.02	0.0	-5.55e-05	-0.11	0.0	0.47	0.05	0.0	1.18e-03	0.0	0.0
		0.0	0.0	8.11e-05	0.0	160.0	0.47	-0.05	0.0	1.18e-03	0.0	0.0
305	9	0.02	0.0	-4.61e-05	-0.11	0.0	0.65	0.05	0.0	1.42e-04	0.0	0.0
		0.0	0.0	1.40e-05	0.0	160.0	0.65	-0.05	0.0	1.42e-04	0.0	0.0
305	10	0.02	0.0	-5.41e-05	-0.11	0.0	0.58	0.05	0.0	7.69e-04	0.0	0.0
		0.0	0.0	5.47e-05	0.0	160.0	0.58	-0.05	0.0	7.69e-04	0.0	0.0
305	13	0.02	0.0	-4.49e-05	-0.11	0.0	0.69	0.05	0.0	-6.36e-05	0.0	0.0
		0.0	0.0	1.06e-06	0.0	160.0	0.69	-0.05	0.0	-6.36e-05	0.0	0.0

305	14	0.02	0.0	-4.89e-05	-0.11	0.0	0.65	0.05	0.0	2.50e-04	0.0	0.0
		0.0	0.0	2.14e-05	0.0	160.0	0.65	-0.05	0.0	2.50e-04	0.0	0.0
305	17	0.02	0.0	-4.49e-05	-0.11	0.0	0.69	0.05	0.0	-6.36e-05	0.0	0.0
		0.0	0.0	1.06e-06	0.0	160.0	0.69	-0.05	0.0	-6.36e-05	0.0	0.0
305	18	0.02	0.0	-4.73e-05	-0.11	0.0	0.66	0.05	0.0	1.25e-04	0.0	0.0
		0.0	0.0	1.33e-05	0.0	160.0	0.66	-0.05	0.0	1.25e-04	0.0	0.0
305	22	0.02	0.0	2.24e-04	-0.11	0.0	1.58	0.05	0.0	-8.20e-03	0.0	0.0
		0.0	0.0	-5.47e-04	0.0	160.0	1.58	-0.05	0.0	-8.20e-03	0.0	0.0
305	34	0.02	0.0	2.41e-04	-0.11	0.0	1.79	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-7.28e-04	0.0	160.0	1.79	-0.05	0.0	-0.01	0.0	0.0
305	39	0.02	0.0	-7.33e-05	-0.11	0.0	2.59	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.29e-03	0.0	160.0	2.59	-0.05	0.0	-0.02	0.0	0.0
305	40	0.02	0.0	-1.82e-04	-0.11	0.0	-2.34	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	2.01e-03	0.0	160.0	-2.34	-0.05	0.0	0.03	0.0	0.0
305	41	0.02	0.0	1.04e-04	-0.11	0.0	3.67	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-1.98e-03	0.0	160.0	3.67	-0.05	0.0	-0.03	0.0	0.0
305	42	0.02	0.0	-2.71e-05	-0.11	0.0	-1.26	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	1.32e-03	0.0	160.0	-1.26	-0.05	0.0	0.02	0.0	0.0
305	54	0.02	0.0	1.57e-04	-0.11	0.0	1.36	0.05	0.0	-6.10e-03	0.0	0.0
		0.0	0.0	-4.05e-04	0.0	160.0	1.36	-0.05	0.0	-6.10e-03	0.0	0.0
305	66	0.02	0.0	1.71e-04	-0.11	0.0	1.52	0.05	0.0	-8.31e-03	0.0	0.0
		0.0	0.0	-5.48e-04	0.0	160.0	1.52	-0.05	0.0	-8.31e-03	0.0	0.0
305	71	0.02	0.0	-6.42e-05	-0.11	0.0	2.12	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-9.71e-04	0.0	160.0	2.12	-0.05	0.0	-0.01	0.0	0.0
305	72	0.02	0.0	-1.49e-04	-0.11	0.0	-1.61	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	1.52e-03	0.0	160.0	-1.61	-0.05	0.0	0.02	0.0	0.0
305	73	0.02	0.0	7.04e-05	-0.11	0.0	2.94	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.49e-03	0.0	160.0	2.94	-0.05	0.0	-0.02	0.0	0.0
305	74	0.02	0.0	-3.31e-05	-0.11	0.0	-0.79	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	9.98e-04	0.0	160.0	-0.79	-0.05	0.0	0.02	0.0	0.0
305	86	0.02	0.0	1.35e-04	-0.11	0.0	1.29	0.05	0.0	-5.40e-03	0.0	0.0
		0.0	0.0	-3.58e-04	0.0	160.0	1.29	-0.05	0.0	-5.40e-03	0.0	0.0
305	98	0.02	0.0	1.47e-04	-0.11	0.0	1.42	0.05	0.0	-7.36e-03	0.0	0.0
		0.0	0.0	-4.85e-04	0.0	160.0	1.42	-0.05	0.0	-7.36e-03	0.0	0.0
305	103	0.02	0.0	-6.18e-05	-0.11	0.0	1.96	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-8.61e-04	0.0	160.0	1.96	-0.05	0.0	-0.01	0.0	0.0
305	104	0.02	0.0	-1.37e-04	-0.11	0.0	-1.36	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	1.35e-03	0.0	160.0	-1.36	-0.05	0.0	0.02	0.0	0.0
305	105	0.02	0.0	5.83e-05	-0.11	0.0	2.69	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.33e-03	0.0	160.0	2.69	-0.05	0.0	-0.02	0.0	0.0
305	106	0.02	0.0	-3.47e-05	-0.11	0.0	-0.63	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	8.88e-04	0.0	160.0	-0.63	-0.05	0.0	0.01	0.0	0.0
305	118	0.02	0.0	2.76e-04	-0.11	0.0	1.77	0.05	0.0	-9.87e-03	0.0	0.0
		0.0	0.0	-6.60e-04	0.0	160.0	1.77	-0.05	0.0	-9.87e-03	0.0	0.0
305	130	0.02	0.0	2.98e-04	-0.11	0.0	2.02	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-8.71e-04	0.0	160.0	2.02	-0.05	0.0	-0.01	0.0	0.0
305	135	0.02	0.0	-7.90e-05	-0.11	0.0	2.99	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.56e-03	0.0	160.0	2.99	-0.05	0.0	-0.02	0.0	0.0
305	136	0.02	0.0	-2.12e-04	-0.11	0.0	-2.97	0.05	0.0	0.04	0.0	0.0
		0.0	0.0	2.41e-03	0.0	160.0	-2.97	-0.05	0.0	0.04	0.0	0.0
305	137	0.02	0.0	1.33e-04	-0.11	0.0	4.29	0.05	0.0	-0.04	0.0	0.0
		0.0	0.0	-2.39e-03	0.0	160.0	4.29	-0.05	0.0	-0.04	0.0	0.0
305	138	0.02	0.0	-2.41e-05	-0.11	0.0	-1.66	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	1.59e-03	0.0	160.0	-1.66	-0.05	0.0	0.02	0.0	0.0
306	1	0.03	0.0	-2.17e-05	-0.14	0.0	0.42	0.07	0.0	1.89e-04	0.0	0.0
		0.0	0.0	1.05e-05	0.0	160.0	0.42	-0.07	0.0	1.89e-04	0.0	0.0
306	2	0.03	0.0	3.32e-05	-0.14	0.0	0.29	0.07	0.0	7.83e-04	0.0	0.0
		0.0	0.0	3.32e-05	0.0	160.0	0.29	-0.07	0.0	7.83e-04	0.0	0.0
306	4	0.02	0.0	2.97e-05	-0.11	0.0	0.17	0.05	0.0	7.58e-04	0.0	0.0
		0.0	0.0	3.16e-05	0.0	160.0	0.17	-0.05	0.0	7.58e-04	0.0	0.0
306	9	0.02	0.0	-1.69e-05	-0.11	0.0	0.32	0.05	0.0	1.48e-04	0.0	0.0
		0.0	0.0	8.42e-06	0.0	160.0	0.32	-0.05	0.0	1.48e-04	0.0	0.0
306	10	0.02	0.0	2.39e-05	-0.11	0.0	0.23	0.05	0.0	5.43e-04	0.0	0.0
		0.0	0.0	2.36e-05	0.0	160.0	0.23	-0.05	0.0	5.43e-04	0.0	0.0
306	13	0.02	0.0	-1.84e-05	-0.11	0.0	0.35	0.05	0.0	1.27e-04	0.0	0.0
		0.0	0.0	8.38e-06	0.0	160.0	0.35	-0.05	0.0	1.27e-04	0.0	0.0
306	14	0.02	0.0	-1.66e-05	-0.11	0.0	0.30	0.05	0.0	3.25e-04	0.0	0.0
		0.0	0.0	1.59e-05	0.0	160.0	0.30	-0.05	0.0	3.25e-04	0.0	0.0
306	17	0.02	0.0	-1.84e-05	-0.11	0.0	0.35	0.05	0.0	1.27e-04	0.0	0.0
		0.0	0.0	8.38e-06	0.0	160.0	0.35	-0.05	0.0	1.27e-04	0.0	0.0
306	18	0.02	0.0	-1.73e-05	-0.11	0.0	0.32	0.05	0.0	2.46e-04	0.0	0.0
		0.0	0.0	1.29e-05	0.0	160.0	0.32	-0.05	0.0	2.46e-04	0.0	0.0
306	20	0.02	0.0	6.76e-05	-0.11	0.0	-2.63	0.05	0.0	8.47e-03	0.0	0.0
		0.0	0.0	1.13e-04	0.0	160.0	-2.63	-0.05	0.0	8.47e-03	0.0	0.0
306	26	0.02	0.0	1.53e-04	-0.11	0.0	1.92	0.05	0.0	-3.01e-03	0.0	0.0

		0.0	0.0	2.55e-04	0.0	160.0	1.92	-0.05	0.0	-3.01e-03	0.0	0.0
306	39	0.02	0.0	-3.31e-04	-0.11	0.0	1.95	0.05	0.0	-6.37e-03	0.0	0.0
		0.0	0.0	-5.71e-04	0.0	160.0	1.95	-0.05	0.0	-6.37e-03	0.0	0.0
306	40	0.02	0.0	3.46e-04	-0.11	0.0	-2.67	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	6.11e-04	0.0	160.0	-2.67	-0.05	0.0	0.01	0.0	0.0
306	41	0.02	0.0	-3.17e-04	-0.11	0.0	3.31	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-5.86e-04	0.0	160.0	3.31	-0.05	0.0	-0.01	0.0	0.0
306	42	0.02	0.0	3.60e-04	-0.11	0.0	-1.30	0.05	0.0	6.86e-03	0.0	0.0
		0.0	0.0	5.97e-04	0.0	160.0	-1.30	-0.05	0.0	6.86e-03	0.0	0.0
306	52	0.02	0.0	5.68e-05	-0.11	0.0	-1.91	0.05	0.0	6.49e-03	0.0	0.0
		0.0	0.0	8.57e-05	0.0	160.0	-1.91	-0.05	0.0	6.49e-03	0.0	0.0
306	58	0.02	0.0	1.16e-04	-0.11	0.0	1.53	0.05	0.0	-2.23e-03	0.0	0.0
		0.0	0.0	1.95e-04	0.0	160.0	1.53	-0.05	0.0	-2.23e-03	0.0	0.0
306	71	0.02	0.0	-2.45e-04	-0.11	0.0	1.55	0.05	0.0	-4.77e-03	0.0	0.0
		0.0	0.0	-4.23e-04	0.0	160.0	1.55	-0.05	0.0	-4.77e-03	0.0	0.0
306	72	0.02	0.0	2.64e-04	-0.11	0.0	-1.94	0.05	0.0	8.68e-03	0.0	0.0
		0.0	0.0	4.57e-04	0.0	160.0	-1.94	-0.05	0.0	8.68e-03	0.0	0.0
306	73	0.02	0.0	-2.34e-04	-0.11	0.0	2.58	0.05	0.0	-8.19e-03	0.0	0.0
		0.0	0.0	-4.31e-04	0.0	160.0	2.58	-0.05	0.0	-8.19e-03	0.0	0.0
306	74	0.02	0.0	2.75e-04	-0.11	0.0	-0.91	0.05	0.0	5.27e-03	0.0	0.0
		0.0	0.0	4.49e-04	0.0	160.0	-0.91	-0.05	0.0	5.27e-03	0.0	0.0
306	84	0.02	0.0	5.24e-05	-0.11	0.0	-1.66	0.05	0.0	5.79e-03	0.0	0.0
		0.0	0.0	7.73e-05	0.0	160.0	-1.66	-0.05	0.0	5.79e-03	0.0	0.0
306	90	0.02	0.0	1.05e-04	-0.11	0.0	1.39	0.05	0.0	-1.96e-03	0.0	0.0
		0.0	0.0	1.75e-04	0.0	160.0	1.39	-0.05	0.0	-1.96e-03	0.0	0.0
306	103	0.02	0.0	-2.16e-04	-0.11	0.0	1.41	0.05	0.0	-4.22e-03	0.0	0.0
		0.0	0.0	-3.74e-04	0.0	160.0	1.41	-0.05	0.0	-4.22e-03	0.0	0.0
306	104	0.02	0.0	2.36e-04	-0.11	0.0	-1.69	0.05	0.0	7.74e-03	0.0	0.0
		0.0	0.0	4.06e-04	0.0	160.0	-1.69	-0.05	0.0	7.74e-03	0.0	0.0
306	105	0.02	0.0	-2.06e-04	-0.11	0.0	2.33	0.05	0.0	-7.24e-03	0.0	0.0
		0.0	0.0	-3.80e-04	0.0	160.0	2.33	-0.05	0.0	-7.24e-03	0.0	0.0
306	106	0.02	0.0	2.46e-04	-0.11	0.0	-0.77	0.05	0.0	4.71e-03	0.0	0.0
		0.0	0.0	4.00e-04	0.0	160.0	-0.77	-0.05	0.0	4.71e-03	0.0	0.0
306	116	0.02	0.0	8.03e-05	-0.11	0.0	-3.23	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	1.38e-04	0.0	160.0	-3.23	-0.05	0.0	0.01	0.0	0.0
306	122	0.02	0.0	1.79e-04	-0.11	0.0	2.23	0.05	0.0	-3.66e-03	0.0	0.0
		0.0	0.0	2.99e-04	0.0	160.0	2.23	-0.05	0.0	-3.66e-03	0.0	0.0
306	135	0.02	0.0	-4.00e-04	-0.11	0.0	2.29	0.05	0.0	-7.75e-03	0.0	0.0
		0.0	0.0	-6.85e-04	0.0	160.0	2.29	-0.05	0.0	-7.75e-03	0.0	0.0
306	136	0.02	0.0	4.15e-04	-0.11	0.0	-3.29	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	7.35e-04	0.0	160.0	-3.29	-0.05	0.0	0.01	0.0	0.0
306	137	0.02	0.0	-3.86e-04	-0.11	0.0	3.93	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-7.09e-04	0.0	160.0	3.93	-0.05	0.0	-0.01	0.0	0.0
306	138	0.02	0.0	4.30e-04	-0.11	0.0	-1.65	0.05	0.0	8.24e-03	0.0	0.0
		0.0	0.0	7.11e-04	0.0	160.0	-1.65	-0.05	0.0	8.24e-03	0.0	0.0
307	1	0.0	0.0	5.53e-05	0.14	0.0	1.08	-0.07	0.0	4.25e-04	0.0	0.0
		-0.03	0.0	-1.77e-05	0.0	160.0	1.08	0.07	0.0	4.25e-04	0.0	0.0
307	2	0.0	0.0	5.45e-05	0.14	0.0	1.11	-0.07	0.0	1.38e-03	0.0	0.0
		-0.03	0.0	-8.01e-05	0.0	160.0	1.11	0.07	0.0	1.38e-03	0.0	0.0
307	3	0.0	0.0	3.73e-05	0.11	0.0	0.74	-0.05	0.0	3.86e-04	0.0	0.0
		-0.02	0.0	-1.76e-05	0.0	160.0	0.74	0.05	0.0	3.86e-04	0.0	0.0
307	4	0.0	0.0	3.65e-05	0.11	0.0	0.78	-0.05	0.0	1.34e-03	0.0	0.0
		-0.02	0.0	-8.00e-05	0.0	160.0	0.78	0.05	0.0	1.34e-03	0.0	0.0
307	6	0.0	0.0	5.46e-05	0.14	0.0	1.13	-0.07	0.0	1.30e-03	0.0	0.0
		-0.03	0.0	-7.46e-05	0.0	160.0	1.13	0.07	0.0	1.30e-03	0.0	0.0
307	9	0.0	0.0	4.03e-05	0.11	0.0	0.78	-0.05	0.0	2.89e-04	0.0	0.0
		-0.02	0.0	-1.13e-05	0.0	160.0	0.78	0.05	0.0	2.89e-04	0.0	0.0
307	10	0.0	0.0	3.98e-05	0.11	0.0	0.81	-0.05	0.0	9.28e-04	0.0	0.0
		-0.02	0.0	-5.29e-05	0.0	160.0	0.81	0.05	0.0	9.28e-04	0.0	0.0
307	12	0.0	0.0	3.98e-05	0.11	0.0	0.82	-0.05	0.0	8.75e-04	0.0	0.0
		-0.02	0.0	-4.93e-05	0.0	160.0	0.82	0.05	0.0	8.75e-04	0.0	0.0
307	13	0.0	0.0	4.04e-05	0.11	0.0	0.76	-0.05	0.0	8.10e-05	0.0	0.0
		-0.02	0.0	1.91e-06	0.0	160.0	0.76	0.05	0.0	8.10e-05	0.0	0.0
307	14	0.0	0.0	4.02e-05	0.11	0.0	0.77	-0.05	0.0	4.00e-04	0.0	0.0
		-0.02	0.0	-1.89e-05	0.0	160.0	0.77	0.05	0.0	4.00e-04	0.0	0.0
307	16	0.0	0.0	4.02e-05	0.11	0.0	0.78	-0.05	0.0	3.42e-04	0.0	0.0
		-0.02	0.0	-1.50e-05	0.0	160.0	0.78	0.05	0.0	3.42e-04	0.0	0.0
307	17	0.0	0.0	4.04e-05	0.11	0.0	0.76	-0.05	0.0	8.10e-05	0.0	0.0
		-0.02	0.0	1.91e-06	0.0	160.0	0.76	0.05	0.0	8.10e-05	0.0	0.0
307	18	0.0	0.0	4.03e-05	0.11	0.0	0.77	-0.05	0.0	2.72e-04	0.0	0.0
		-0.02	0.0	-1.06e-05	0.0	160.0	0.77	0.05	0.0	2.72e-04	0.0	0.0
307	23	0.0	0.0	3.53e-04	0.11	0.0	1.30	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-6.60e-04	0.0	160.0	1.30	0.05	0.0	0.01	0.0	0.0
307	27	0.0	0.0	3.28e-04	0.11	0.0	1.27	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-6.71e-04	0.0	160.0	1.27	0.05	0.0	0.01	0.0	0.0

307	36	0.0	0.0	3.27e-05	0.11	0.0	2.43	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-2.00e-03	0.0	160.0	2.43	0.05	0.0	0.03	0.0	0.0
307	37	0.0	0.0	4.86e-05	0.11	0.0	-0.89	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	1.98e-03	0.0	160.0	-0.89	0.05	0.0	-0.03	0.0	0.0
307	40	0.0	0.0	2.68e-05	0.11	0.0	2.43	-0.05	0.0	0.03	0.0	0.0
		-0.02	0.0	-2.03e-03	0.0	160.0	2.43	0.05	0.0	0.03	0.0	0.0
307	41	0.0	0.0	5.63e-05	0.11	0.0	-0.89	-0.05	0.0	-0.03	0.0	0.0
		-0.02	0.0	2.01e-03	0.0	160.0	-0.89	0.05	0.0	-0.03	0.0	0.0
307	55	0.0	0.0	2.72e-04	0.11	0.0	1.17	-0.05	0.0	7.81e-03	0.0	0.0
		-0.02	0.0	-4.96e-04	0.0	160.0	1.17	0.05	0.0	7.81e-03	0.0	0.0
307	59	0.0	0.0	2.56e-04	0.11	0.0	1.15	-0.05	0.0	8.03e-03	0.0	0.0
		-0.02	0.0	-5.12e-04	0.0	160.0	1.15	0.05	0.0	8.03e-03	0.0	0.0
307	68	0.0	0.0	3.45e-05	0.11	0.0	2.02	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-1.51e-03	0.0	160.0	2.02	0.05	0.0	0.02	0.0	0.0
307	69	0.0	0.0	4.64e-05	0.11	0.0	-0.49	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	1.49e-03	0.0	160.0	-0.49	0.05	0.0	-0.02	0.0	0.0
307	72	0.0	0.0	3.06e-05	0.11	0.0	2.02	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-1.54e-03	0.0	160.0	2.02	0.05	0.0	0.02	0.0	0.0
307	73	0.0	0.0	5.12e-05	0.11	0.0	-0.49	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	1.52e-03	0.0	160.0	-0.49	0.05	0.0	-0.02	0.0	0.0
307	87	0.0	0.0	2.44e-04	0.11	0.0	1.13	-0.05	0.0	6.96e-03	0.0	0.0
		-0.02	0.0	-4.41e-04	0.0	160.0	1.13	0.05	0.0	6.96e-03	0.0	0.0
307	91	0.0	0.0	2.31e-04	0.11	0.0	1.10	-0.05	0.0	7.16e-03	0.0	0.0
		-0.02	0.0	-4.56e-04	0.0	160.0	1.10	0.05	0.0	7.16e-03	0.0	0.0
307	100	0.0	0.0	3.51e-05	0.11	0.0	1.88	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-1.34e-03	0.0	160.0	1.88	0.05	0.0	0.02	0.0	0.0
307	101	0.0	0.0	4.57e-05	0.11	0.0	-0.35	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	1.32e-03	0.0	160.0	-0.35	0.05	0.0	-0.02	0.0	0.0
307	104	0.0	0.0	3.17e-05	0.11	0.0	1.88	-0.05	0.0	0.02	0.0	0.0
		-0.02	0.0	-1.37e-03	0.0	160.0	1.88	0.05	0.0	0.02	0.0	0.0
307	105	0.0	0.0	4.98e-05	0.11	0.0	-0.35	-0.05	0.0	-0.02	0.0	0.0
		-0.02	0.0	1.34e-03	0.0	160.0	-0.35	0.05	0.0	-0.02	0.0	0.0
307	119	0.0	0.0	4.16e-04	0.11	0.0	1.41	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-7.91e-04	0.0	160.0	1.41	0.05	0.0	0.01	0.0	0.0
307	123	0.0	0.0	3.83e-04	0.11	0.0	1.37	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-7.97e-04	0.0	160.0	1.37	0.05	0.0	0.01	0.0	0.0
307	132	0.0	0.0	3.05e-05	0.11	0.0	2.77	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-2.41e-03	0.0	160.0	2.77	0.05	0.0	0.04	0.0	0.0
307	133	0.0	0.0	5.13e-05	0.11	0.0	-1.23	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	2.39e-03	0.0	160.0	-1.23	0.05	0.0	-0.04	0.0	0.0
307	136	0.0	0.0	2.34e-05	0.11	0.0	2.77	-0.05	0.0	0.04	0.0	0.0
		-0.02	0.0	-2.44e-03	0.0	160.0	2.77	0.05	0.0	0.04	0.0	0.0
307	137	0.0	0.0	6.14e-05	0.11	0.0	-1.24	-0.05	0.0	-0.04	0.0	0.0
		-0.02	0.0	2.42e-03	0.0	160.0	-1.24	0.05	0.0	-0.04	0.0	0.0
308	1	0.0	0.0	2.71e-05	0.14	0.0	0.02	-0.07	0.0	2.39e-04	0.0	0.0
		-0.03	0.0	-8.93e-06	0.0	160.0	0.02	0.07	0.0	2.39e-04	0.0	0.0
308	2	0.0	0.0	3.03e-05	0.14	0.0	0.05	-0.07	0.0	8.73e-04	0.0	0.0
		-0.03	0.0	-3.03e-05	0.0	160.0	0.05	0.07	0.0	8.73e-04	0.0	0.0
308	3	0.0	0.0	2.06e-05	0.11	0.0	0.02	-0.05	0.0	2.09e-04	0.0	0.0
		-0.02	0.0	-7.53e-06	0.0	160.0	0.02	0.05	0.0	2.09e-04	0.0	0.0
308	4	0.0	0.0	2.37e-05	0.11	0.0	0.04	-0.05	0.0	8.43e-04	0.0	0.0
		-0.02	0.0	-2.89e-05	0.0	160.0	0.04	0.05	0.0	8.43e-04	0.0	0.0
308	5	0.0	0.0	2.65e-05	0.14	0.0	0.03	-0.07	0.0	2.71e-04	0.0	0.0
		-0.03	0.0	-8.49e-06	0.0	160.0	0.03	0.07	0.0	2.71e-04	0.0	0.0
308	9	0.0	0.0	2.09e-05	0.11	0.0	0.02	-0.05	0.0	1.85e-04	0.0	0.0
		-0.02	0.0	-7.29e-06	0.0	160.0	0.02	0.05	0.0	1.85e-04	0.0	0.0
308	10	0.0	0.0	2.30e-05	0.11	0.0	0.03	-0.05	0.0	6.08e-04	0.0	0.0
		-0.02	0.0	-2.15e-05	0.0	160.0	0.03	0.05	0.0	6.08e-04	0.0	0.0
308	11	0.0	0.0	2.05e-05	0.11	0.0	0.02	-0.05	0.0	2.06e-04	0.0	0.0
		-0.02	0.0	-7.00e-06	0.0	160.0	0.02	0.05	0.0	2.06e-04	0.0	0.0
308	13	0.0	0.0	2.16e-05	0.11	0.0	0.01	-0.05	0.0	1.54e-04	0.0	0.0
		-0.02	0.0	-7.72e-06	0.0	160.0	0.01	0.05	0.0	1.54e-04	0.0	0.0
308	14	0.0	0.0	2.27e-05	0.11	0.0	0.02	-0.05	0.0	3.65e-04	0.0	0.0
		-0.02	0.0	-1.48e-05	0.0	160.0	0.02	0.05	0.0	3.65e-04	0.0	0.0
308	15	0.0	0.0	2.14e-05	0.11	0.0	0.01	-0.05	0.0	1.64e-04	0.0	0.0
		-0.02	0.0	-7.58e-06	0.0	160.0	0.01	0.05	0.0	1.64e-04	0.0	0.0
308	17	0.0	0.0	2.16e-05	0.11	0.0	0.01	-0.05	0.0	1.54e-04	0.0	0.0
		-0.02	0.0	-7.72e-06	0.0	160.0	0.01	0.05	0.0	1.54e-04	0.0	0.0
308	18	0.0	0.0	2.23e-05	0.11	0.0	0.02	-0.05	0.0	2.80e-04	0.0	0.0
		-0.02	0.0	-1.20e-05	0.0	160.0	0.02	0.05	0.0	2.80e-04	0.0	0.0
308	25	0.0	0.0	3.84e-05	0.11	0.0	-0.48	-0.05	0.0	-8.27e-03	0.0	0.0
		-0.02	0.0	6.24e-05	0.0	160.0	-0.48	0.05	0.0	-8.27e-03	0.0	0.0
308	28	0.0	0.0	2.02e-05	0.11	0.0	0.60	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-1.97e-04	0.0	160.0	0.60	0.05	0.0	0.01	0.0	0.0
308	29	0.0	0.0	2.44e-05	0.11	0.0	-0.56	-0.05	0.0	-0.01	0.0	0.0

		-0.02	0.0	1.73e-04	0.0	160.0	-0.56	0.05	0.0	-0.01	0.0	0.0
308	34	0.0	0.0	-1.08e-04	0.11	0.0	-0.26	-0.05	0.0	-5.29e-03	0.0	0.0
		-0.02	0.0	-1.57e-04	0.0	160.0	-0.26	0.05	0.0	-5.29e-03	0.0	0.0
308	40	0.0	0.0	-1.69e-04	0.11	0.0	0.69	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-5.85e-04	0.0	160.0	0.69	0.05	0.0	0.01	0.0	0.0
308	41	0.0	0.0	1.61e-04	0.11	0.0	-0.66	-0.05	0.0	-0.01	0.0	0.0
		-0.02	0.0	5.61e-04	0.0	160.0	-0.66	0.05	0.0	-0.01	0.0	0.0
308	57	0.0	0.0	3.49e-05	0.11	0.0	-0.36	-0.05	0.0	-6.21e-03	0.0	0.0
		-0.02	0.0	4.13e-05	0.0	160.0	-0.36	0.05	0.0	-6.21e-03	0.0	0.0
308	60	0.0	0.0	1.97e-05	0.11	0.0	0.46	-0.05	0.0	8.61e-03	0.0	0.0
		-0.02	0.0	-1.44e-04	0.0	160.0	0.46	0.05	0.0	8.61e-03	0.0	0.0
308	61	0.0	0.0	2.50e-05	0.11	0.0	-0.42	-0.05	0.0	-8.05e-03	0.0	0.0
		-0.02	0.0	1.20e-04	0.0	160.0	-0.42	0.05	0.0	-8.05e-03	0.0	0.0
308	66	0.0	0.0	-7.86e-05	0.11	0.0	-0.19	-0.05	0.0	-3.91e-03	0.0	0.0
		-0.02	0.0	-1.26e-04	0.0	160.0	-0.19	0.05	0.0	-3.91e-03	0.0	0.0
308	72	0.0	0.0	-1.27e-04	0.11	0.0	0.53	-0.05	0.0	9.50e-03	0.0	0.0
		-0.02	0.0	-4.37e-04	0.0	160.0	0.53	0.05	0.0	9.50e-03	0.0	0.0
308	73	0.0	0.0	1.19e-04	0.11	0.0	-0.49	-0.05	0.0	-8.94e-03	0.0	0.0
		-0.02	0.0	4.13e-04	0.0	160.0	-0.49	0.05	0.0	-8.94e-03	0.0	0.0
308	89	0.0	0.0	3.35e-05	0.11	0.0	-0.32	-0.05	0.0	-5.49e-03	0.0	0.0
		-0.02	0.0	3.50e-05	0.0	160.0	-0.32	0.05	0.0	-5.49e-03	0.0	0.0
308	92	0.0	0.0	1.98e-05	0.11	0.0	0.41	-0.05	0.0	7.67e-03	0.0	0.0
		-0.02	0.0	-1.28e-04	0.0	160.0	0.41	0.05	0.0	7.67e-03	0.0	0.0
308	93	0.0	0.0	2.48e-05	0.11	0.0	-0.37	-0.05	0.0	-7.11e-03	0.0	0.0
		-0.02	0.0	1.04e-04	0.0	160.0	-0.37	0.05	0.0	-7.11e-03	0.0	0.0
308	98	0.0	0.0	-6.99e-05	0.11	0.0	-0.17	-0.05	0.0	-3.44e-03	0.0	0.0
		-0.02	0.0	-1.14e-04	0.0	160.0	-0.17	0.05	0.0	-3.44e-03	0.0	0.0
308	104	0.0	0.0	-1.13e-04	0.11	0.0	0.47	-0.05	0.0	8.47e-03	0.0	0.0
		-0.02	0.0	-3.88e-04	0.0	160.0	0.47	0.05	0.0	8.47e-03	0.0	0.0
308	105	0.0	0.0	1.05e-04	0.11	0.0	-0.44	-0.05	0.0	-7.91e-03	0.0	0.0
		-0.02	0.0	3.64e-04	0.0	160.0	-0.44	0.05	0.0	-7.91e-03	0.0	0.0
308	121	0.0	0.0	4.17e-05	0.11	0.0	-0.58	-0.05	0.0	-0.01	0.0	0.0
		-0.02	0.0	8.14e-05	0.0	160.0	-0.58	0.05	0.0	-0.01	0.0	0.0
308	124	0.0	0.0	2.08e-05	0.11	0.0	0.71	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-2.44e-04	0.0	160.0	0.71	0.05	0.0	0.01	0.0	0.0
308	125	0.0	0.0	2.38e-05	0.11	0.0	-0.68	-0.05	0.0	-0.01	0.0	0.0
		-0.02	0.0	2.20e-04	0.0	160.0	-0.68	0.05	0.0	-0.01	0.0	0.0
308	130	0.0	0.0	-1.30e-04	0.11	0.0	-0.31	-0.05	0.0	-6.41e-03	0.0	0.0
		-0.02	0.0	-1.76e-04	0.0	160.0	-0.31	0.05	0.0	-6.41e-03	0.0	0.0
308	136	0.0	0.0	-2.01e-04	0.11	0.0	0.83	-0.05	0.0	0.01	0.0	0.0
		-0.02	0.0	-7.03e-04	0.0	160.0	0.83	0.05	0.0	0.01	0.0	0.0
308	137	0.0	0.0	1.93e-04	0.11	0.0	-0.79	-0.05	0.0	-0.01	0.0	0.0
		-0.02	0.0	6.79e-04	0.0	160.0	-0.79	0.05	0.0	-0.01	0.0	0.0
309	1	0.03	0.0	-5.26e-05	-0.14	0.0	1.07	0.07	0.0	1.28e-04	0.0	0.0
		0.0	0.0	1.53e-05	0.0	160.0	1.07	-0.07	0.0	1.28e-04	0.0	0.0
309	2	0.03	0.0	-5.85e-05	-0.14	0.0	1.11	0.07	0.0	1.11e-03	0.0	0.0
		0.0	0.0	4.74e-05	0.0	160.0	1.11	-0.07	0.0	1.11e-03	0.0	0.0
309	7	0.02	0.0	-3.78e-05	-0.11	0.0	0.66	0.05	0.0	3.33e-04	0.0	0.0
		0.0	0.0	2.10e-05	0.0	160.0	0.66	-0.05	0.0	3.33e-04	0.0	0.0
309	9	0.02	0.0	-3.90e-05	-0.11	0.0	0.78	0.05	0.0	7.03e-05	0.0	0.0
		0.0	0.0	1.06e-05	0.0	160.0	0.78	-0.05	0.0	7.03e-05	0.0	0.0
309	10	0.02	0.0	-4.28e-05	-0.11	0.0	0.80	0.05	0.0	7.27e-04	0.0	0.0
		0.0	0.0	3.20e-05	0.0	160.0	0.80	-0.05	0.0	7.27e-04	0.0	0.0
309	11	0.02	0.0	-3.93e-05	-0.11	0.0	0.76	0.05	0.0	1.88e-04	0.0	0.0
		0.0	0.0	1.53e-05	0.0	160.0	0.76	-0.05	0.0	1.88e-04	0.0	0.0
309	13	0.02	0.0	-3.85e-05	-0.11	0.0	0.81	0.05	0.0	-1.06e-04	0.0	0.0
		0.0	0.0	3.56e-06	0.0	160.0	0.81	-0.05	0.0	-1.06e-04	0.0	0.0
309	14	0.02	0.0	-4.04e-05	-0.11	0.0	0.82	0.05	0.0	2.23e-04	0.0	0.0
		0.0	0.0	1.43e-05	0.0	160.0	0.82	-0.05	0.0	2.23e-04	0.0	0.0
309	15	0.02	0.0	-3.87e-05	-0.11	0.0	0.80	0.05	0.0	-4.70e-05	0.0	0.0
		0.0	0.0	5.90e-06	0.0	160.0	0.80	-0.05	0.0	-4.70e-05	0.0	0.0
309	17	0.02	0.0	-3.85e-05	-0.11	0.0	0.81	0.05	0.0	-1.06e-04	0.0	0.0
		0.0	0.0	3.56e-06	0.0	160.0	0.81	-0.05	0.0	-1.06e-04	0.0	0.0
309	18	0.02	0.0	-3.97e-05	-0.11	0.0	0.81	0.05	0.0	9.13e-05	0.0	0.0
		0.0	0.0	9.98e-06	0.0	160.0	0.81	-0.05	0.0	9.13e-05	0.0	0.0
309	19	0.02	0.0	-1.83e-04	-0.11	0.0	3.65	0.05	0.0	8.62e-03	0.0	0.0
		0.0	0.0	3.18e-04	0.0	160.0	3.65	-0.05	0.0	8.62e-03	0.0	0.0
309	22	0.02	0.0	1.28e-04	-0.11	0.0	-2.02	0.05	0.0	-8.44e-03	0.0	0.0
		0.0	0.0	-2.98e-04	0.0	160.0	-2.02	-0.05	0.0	-8.44e-03	0.0	0.0
309	27	0.02	0.0	-1.91e-04	-0.11	0.0	3.59	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	3.65e-04	0.0	160.0	3.59	-0.05	0.0	0.01	0.0	0.0
309	42	0.02	0.0	2.27e-05	-0.11	0.0	-1.77	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	7.14e-04	0.0	160.0	-1.77	-0.05	0.0	0.02	0.0	0.0
309	48	0.02	0.0	-7.28e-05	-0.11	0.0	-0.23	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	9.30e-04	0.0	160.0	-0.23	-0.05	0.0	0.03	0.0	0.0

309	49	0.02	0.0	1.74e-05	-0.11	0.0	1.86	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-9.10e-04	0.0	160.0	1.86	-0.05	0.0	-0.03	0.0	0.0
309	51	0.02	0.0	-1.44e-04	-0.11	0.0	2.91	0.05	0.0	6.47e-03	0.0	0.0
		0.0	0.0	2.40e-04	0.0	160.0	2.91	-0.05	0.0	6.47e-03	0.0	0.0
309	54	0.02	0.0	8.86e-05	-0.11	0.0	-1.28	0.05	0.0	-6.29e-03	0.0	0.0
		0.0	0.0	-2.20e-04	0.0	160.0	-1.28	-0.05	0.0	-6.29e-03	0.0	0.0
309	59	0.02	0.0	-1.50e-04	-0.11	0.0	2.88	0.05	0.0	7.93e-03	0.0	0.0
		0.0	0.0	2.80e-04	0.0	160.0	2.88	-0.05	0.0	7.93e-03	0.0	0.0
309	74	0.02	0.0	-1.99e-05	-0.11	0.0	-1.10	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	5.41e-04	0.0	160.0	-1.10	-0.05	0.0	0.02	0.0	0.0
309	80	0.02	0.0	-6.45e-05	-0.11	0.0	0.05	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	7.07e-04	0.0	160.0	0.05	-0.05	0.0	0.02	0.0	0.0
309	81	0.02	0.0	-2.05e-05	-0.11	0.0	1.58	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-6.87e-04	0.0	160.0	1.58	-0.05	0.0	-0.02	0.0	0.0
309	83	0.02	0.0	-1.30e-04	-0.11	0.0	2.67	0.05	0.0	5.75e-03	0.0	0.0
		0.0	0.0	2.14e-04	0.0	160.0	2.67	-0.05	0.0	5.75e-03	0.0	0.0
309	86	0.02	0.0	7.53e-05	-0.11	0.0	-1.04	0.05	0.0	-5.57e-03	0.0	0.0
		0.0	0.0	-1.94e-04	0.0	160.0	-1.04	-0.05	0.0	-5.57e-03	0.0	0.0
309	91	0.02	0.0	-1.36e-04	-0.11	0.0	2.64	0.05	0.0	7.06e-03	0.0	0.0
		0.0	0.0	2.50e-04	0.0	160.0	2.64	-0.05	0.0	7.06e-03	0.0	0.0
309	106	0.02	0.0	-2.20e-05	-0.11	0.0	-0.88	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	4.82e-04	0.0	160.0	-0.88	-0.05	0.0	0.01	0.0	0.0
309	112	0.02	0.0	-6.14e-05	-0.11	0.0	0.14	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	6.29e-04	0.0	160.0	0.14	-0.05	0.0	0.02	0.0	0.0
309	113	0.02	0.0	-2.24e-05	-0.11	0.0	1.49	0.05	0.0	-0.02	0.0	0.0
		0.0	0.0	-6.09e-04	0.0	160.0	1.49	-0.05	0.0	-0.02	0.0	0.0
309	115	0.02	0.0	-2.14e-04	-0.11	0.0	4.21	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	3.80e-04	0.0	160.0	4.21	-0.05	0.0	0.01	0.0	0.0
309	118	0.02	0.0	1.59e-04	-0.11	0.0	-2.58	0.05	0.0	-0.01	0.0	0.0
		0.0	0.0	-3.60e-04	0.0	160.0	-2.58	-0.05	0.0	-0.01	0.0	0.0
309	123	0.02	0.0	-2.24e-04	-0.11	0.0	4.13	0.05	0.0	0.01	0.0	0.0
		0.0	0.0	4.33e-04	0.0	160.0	4.13	-0.05	0.0	0.01	0.0	0.0
309	138	0.02	0.0	3.25e-05	-0.11	0.0	-2.29	0.05	0.0	0.02	0.0	0.0
		0.0	0.0	8.60e-04	0.0	160.0	-2.29	-0.05	0.0	0.02	0.0	0.0
309	144	0.02	0.0	-8.15e-05	-0.11	0.0	-0.45	0.05	0.0	0.03	0.0	0.0
		0.0	0.0	1.12e-03	0.0	160.0	-0.45	-0.05	0.0	0.03	0.0	0.0
309	145	0.02	0.0	2.65e-05	-0.11	0.0	2.08	0.05	0.0	-0.03	0.0	0.0
		0.0	0.0	-1.10e-03	0.0	160.0	2.08	-0.05	0.0	-0.03	0.0	0.0
339	2	0.0	0.02	4.07e-04	-7.54	0.0	-0.47	9.24	-0.01	-0.02	0.02	-8.75
		-8.75	0.0	-1.86e-04	0.0	160.0	-0.47	1.70	-0.01	-0.02	0.0	0.0
339	3	0.0	2.38e-03	6.45e-05	-1.37	0.0	-1.38	1.70	-1.49e-03	-2.10e-03	2.38e-03	-1.63
		-1.63	0.0	3.53e-05	0.0	160.0	-1.38	0.33	-1.49e-03	-2.10e-03	0.0	0.0
339	7	0.0	1.21e-03	6.22e-05	-1.37	0.0	-2.45	1.71	-7.58e-04	-1.22e-03	1.21e-03	-1.64
		-1.64	0.0	4.29e-05	0.0	160.0	-2.45	0.34	-7.58e-04	-1.22e-03	0.0	0.0
339	9	0.0	3.02e-03	6.57e-05	-1.37	0.0	-0.87	1.70	-1.89e-03	-2.55e-03	3.02e-03	-1.62
		-1.62	0.0	3.25e-05	0.0	160.0	-0.87	0.33	-1.89e-03	-2.55e-03	0.0	0.0
339	10	0.0	0.01	2.80e-04	-5.21	0.0	-0.28	6.39	-8.06e-03	-0.01	0.01	-6.05
		-6.05	0.0	-1.29e-04	0.0	160.0	-0.28	1.17	-8.06e-03	-0.01	0.0	0.0
339	11	0.0	2.24e-03	6.41e-05	-1.37	0.0	-1.58	1.70	-1.40e-03	-1.97e-03	2.24e-03	-1.63
		-1.63	0.0	3.76e-05	0.0	160.0	-1.58	0.33	-1.40e-03	-1.97e-03	0.0	0.0
339	13	0.0	4.18e-03	6.80e-05	-1.37	0.0	0.20	1.69	-2.62e-03	-3.43e-03	4.18e-03	-1.60
		-1.60	0.0	-4.30e-05	0.0	160.0	0.20	0.32	-2.62e-03	-3.43e-03	0.0	0.0
339	14	0.0	9.12e-03	1.75e-04	-3.29	0.0	0.50	4.03	-5.70e-03	-8.22e-03	9.12e-03	-3.82
		-3.82	0.0	-9.49e-05	0.0	160.0	0.50	0.74	-5.70e-03	-8.22e-03	0.0	0.0
339	15	0.0	3.80e-03	6.72e-05	-1.37	0.0	-0.15	1.69	-2.37e-03	-3.14e-03	3.80e-03	-1.61
		-1.61	0.0	-3.72e-05	0.0	160.0	-0.15	0.32	-2.37e-03	-3.14e-03	0.0	0.0
339	17	0.0	4.18e-03	6.80e-05	-1.37	0.0	0.20	1.69	-2.62e-03	-3.43e-03	4.18e-03	-1.60
		-1.60	0.0	-4.30e-05	0.0	160.0	0.20	0.32	-2.62e-03	-3.43e-03	0.0	0.0
339	18	0.0	7.15e-03	1.32e-04	-2.52	0.0	0.38	3.09	-4.47e-03	-6.31e-03	7.15e-03	-2.93
		-2.93	0.0	-7.41e-05	0.0	160.0	0.38	0.57	-4.47e-03	-6.31e-03	0.0	0.0
339	19	0.0	0.13	1.24e-04	-2.52	0.0	5.51	3.11	-0.08	-3.47e-03	0.13	-2.95
		-2.95	0.0	-1.32e-03	0.0	160.0	5.51	0.58	-0.08	-3.47e-03	0.0	0.0
339	22	0.0	0.0	1.41e-04	-2.52	0.0	-4.75	3.08	0.07	-9.14e-03	-0.12	-2.91
		-2.91	-0.12	1.18e-03	0.0	160.0	-4.75	0.56	0.07	-9.14e-03	0.0	0.0
339	33	0.0	0.0	1.57e-04	-2.52	0.0	0.05	3.05	0.03	-0.01	-0.05	-2.86
		-2.86	-0.05	-2.63e-03	0.0	160.0	0.05	0.52	0.03	-0.01	0.0	0.0
339	43	0.0	0.10	1.56e-04	-2.52	0.0	11.08	3.03	-0.06	-0.01	0.10	-2.83
		-2.83	0.0	-3.26e-03	0.0	160.0	11.08	0.51	-0.06	-0.01	0.0	0.0
339	46	0.0	0.0	1.13e-04	-2.52	0.0	-10.32	3.16	0.05	4.30e-04	-0.08	-3.03
		-3.03	-0.08	3.34e-03	0.0	160.0	-10.32	0.63	0.05	4.30e-04	0.0	0.0
339	48	0.0	0.0	1.05e-04	-2.52	0.0	-8.37	3.17	0.02	3.28e-03	-0.03	-3.05
		-3.05	-0.03	4.40e-03	0.0	160.0	-8.37	0.65	0.02	3.28e-03	0.0	0.0
339	51	0.0	0.10	1.26e-04	-2.52	0.0	4.28	3.10	-0.06	-4.23e-03	0.10	-2.95
		-2.95	0.0	-1.15e-03	0.0	160.0	4.28	0.58	-0.06	-4.23e-03	0.0	0.0
339	54	0.0	0.0	1.39e-04	-2.52	0.0	-3.52	3.09	0.05	-8.39e-03	-0.09	-2.92

		-2.92	-0.09	1.00e-03	0.0	160.0	-3.52	0.56	0.05	-8.39e-03	0.0	0.0
339	65	0.0	0.0	1.50e-04	-2.52	0.0	0.31	3.06	0.02	-0.01	-0.04	-2.88
		-2.88	-0.04	-1.84e-03	0.0	160.0	0.31	0.54	0.02	-0.01	0.0	0.0
339	75	0.0	0.07	1.50e-04	-2.52	0.0	8.96	3.05	-0.05	-0.01	0.07	-2.85
		-2.85	0.0	-2.50e-03	0.0	160.0	8.96	0.52	-0.05	-0.01	0.0	0.0
339	78	0.0	0.0	1.17e-04	-2.52	0.0	-8.21	3.14	0.04	-1.12e-03	-0.06	-3.01
		-3.01	-0.06	2.58e-03	0.0	160.0	-8.21	0.62	0.04	-1.12e-03	0.0	0.0
339	80	0.0	0.0	1.11e-04	-2.52	0.0	-6.74	3.16	0.01	9.92e-04	-0.02	-3.03
		-3.03	-0.02	3.23e-03	0.0	160.0	-6.74	0.63	0.01	9.92e-04	0.0	0.0
339	83	0.0	0.09	1.27e-04	-2.52	0.0	3.85	3.10	-0.06	-4.47e-03	0.09	-2.94
		-2.94	0.0	-1.05e-03	0.0	160.0	3.85	0.58	-0.06	-4.47e-03	0.0	0.0
339	86	0.0	0.0	1.38e-04	-2.52	0.0	-3.09	3.09	0.05	-8.15e-03	-0.08	-2.92
		-2.92	-0.08	9.01e-04	0.0	160.0	-3.09	0.56	0.05	-8.15e-03	0.0	0.0
339	97	0.0	0.0	1.48e-04	-2.52	0.0	0.32	3.06	0.02	-0.01	-0.03	-2.88
		-2.88	-0.03	-1.62e-03	0.0	160.0	0.32	0.54	0.02	-0.01	0.0	0.0
339	107	0.0	0.06	1.48e-04	-2.52	0.0	8.02	3.05	-0.04	-0.01	0.06	-2.86
		-2.86	0.0	-2.22e-03	0.0	160.0	8.02	0.53	-0.04	-0.01	0.0	0.0
339	110	0.0	0.0	1.19e-04	-2.52	0.0	-7.26	3.14	0.03	-1.70e-03	-0.05	-3.00
		-3.00	-0.05	2.30e-03	0.0	160.0	-7.26	0.62	0.03	-1.70e-03	0.0	0.0
339	112	0.0	0.0	1.14e-04	-2.52	0.0	-5.96	3.15	8.96e-03	1.69e-04	-0.01	-3.02
		-3.02	-0.01	2.86e-03	0.0	160.0	-5.96	0.62	8.96e-03	1.69e-04	0.0	0.0
339	115	0.0	0.16	1.23e-04	-2.52	0.0	6.53	3.11	-0.10	-2.87e-03	0.16	-2.96
		-2.96	0.0	-1.49e-03	0.0	160.0	6.53	0.59	-0.10	-2.87e-03	0.0	0.0
339	118	0.0	0.0	1.43e-04	-2.52	0.0	-5.77	3.08	0.09	-9.74e-03	-0.14	-2.91
		-2.91	-0.14	1.34e-03	0.0	160.0	-5.77	0.56	0.09	-9.74e-03	0.0	0.0
339	129	0.0	0.0	1.62e-04	-2.52	0.0	-0.21	3.04	0.04	-0.02	-0.06	-2.84
		-2.84	-0.06	-3.29e-03	0.0	160.0	-0.21	0.52	0.04	-0.02	0.0	0.0
339	139	0.0	0.11	1.61e-04	-2.52	0.0	12.65	3.02	-0.07	-0.01	0.11	-2.82
		-2.82	0.0	-3.88e-03	0.0	160.0	12.65	0.50	-0.07	-0.01	0.0	0.0
339	142	0.0	0.0	1.09e-04	-2.52	0.0	-11.90	3.17	0.06	1.68e-03	-0.10	-3.05
		-3.05	-0.10	3.96e-03	0.0	160.0	-11.90	0.64	0.06	1.68e-03	0.0	0.0
339	144	0.0	0.0	1.01e-04	-2.52	0.0	-9.54	3.18	0.02	5.13e-03	-0.03	-3.07
		-3.07	-0.03	5.33e-03	0.0	160.0	-9.54	0.66	0.02	5.13e-03	0.0	0.0
340	2	8.33	4.19e-05	-7.19e-03	-19.80	0.0	-19.40	8.25	8.62e-06	0.0	0.0	0.0
		-8.04	0.0	5.99e-06	0.0	486.5	-7.83	-11.55	8.62e-06	0.0	4.19e-05	-8.04
340	3	1.47	6.27e-04	-1.20e-03	-3.60	0.0	-8.83	1.48	1.29e-04	0.0	0.0	0.0
		-1.56	0.0	-7.33e-05	0.0	486.5	-6.72	-2.12	1.29e-04	0.0	6.27e-04	-1.56
340	6	6.38	7.17e-04	-5.41e-03	-15.27	0.0	-20.64	6.34	1.47e-04	0.0	0.0	0.0
		-6.30	0.0	-8.20e-05	0.0	486.5	-11.72	-8.93	1.47e-04	0.0	7.17e-04	-6.30
340	7	1.44	1.14e-03	-1.10e-03	-3.60	0.0	-13.04	1.46	2.35e-04	0.0	0.0	0.0
		-1.64	0.0	-1.34e-04	0.0	486.5	-10.94	-2.14	2.35e-04	0.0	1.14e-03	-1.64
340	9	1.49	3.67e-04	-1.25e-03	-3.60	0.0	-6.68	1.49	7.54e-05	0.0	0.0	0.0
		-1.52	0.0	-4.26e-05	0.0	486.5	-4.57	-2.11	7.54e-05	0.0	3.67e-04	-1.52
340	10	5.76	1.01e-05	-4.97e-03	-13.68	0.0	-13.29	5.70	2.07e-06	0.0	0.0	0.0
		-5.56	0.0	4.19e-06	0.0	486.5	-5.29	-7.98	2.07e-06	0.0	1.01e-05	-5.56
340	11	1.47	7.10e-04	-1.18e-03	-3.60	0.0	-9.49	1.48	1.46e-04	0.0	0.0	0.0
		-1.57	0.0	-8.31e-05	0.0	486.5	-7.38	-2.12	1.46e-04	0.0	7.10e-04	-1.57
340	12	4.46	4.60e-04	-3.79e-03	-10.66	0.0	-14.12	4.42	9.46e-05	0.0	0.0	0.0
		-4.40	0.0	-5.25e-05	0.0	486.5	-7.89	-6.23	9.46e-05	0.0	4.60e-04	-4.40
340	13	1.52	0.0	-1.36e-03	-3.60	0.0	-2.46	1.50	-3.04e-05	0.0	0.0	0.0
		-1.44	-1.48e-04	1.82e-05	0.0	486.5	-0.36	-2.10	-3.04e-05	0.0	-1.48e-04	-1.44
340	14	3.66	0.0	-3.22e-03	-8.64	0.0	-5.77	3.61	-6.71e-05	0.0	0.0	0.0
		-3.46	-3.26e-04	4.01e-05	0.0	486.5	-0.72	-5.03	-6.71e-05	0.0	-3.26e-04	-3.46
340	15	1.51	2.36e-05	-1.32e-03	-3.60	0.0	-3.87	1.50	4.84e-06	0.0	0.0	0.0
		-1.47	0.0	-2.05e-06	0.0	486.5	-1.76	-2.10	4.84e-06	0.0	2.36e-05	-1.47
340	16	2.79	0.0	-2.44e-03	-6.63	0.0	-5.85	2.76	-1.71e-05	0.0	0.0	0.0
		-2.68	-8.34e-05	1.11e-05	0.0	486.5	-1.98	-3.86	-1.71e-05	0.0	-8.34e-05	-2.68
340	17	1.52	0.0	-1.36e-03	-3.60	0.0	-2.46	1.50	-3.04e-05	0.0	0.0	0.0
		-1.44	-1.48e-04	1.82e-05	0.0	486.5	-0.36	-2.10	-3.04e-05	0.0	-1.48e-04	-1.44
340	18	2.80	0.0	-2.47e-03	-6.63	0.0	-4.45	2.77	-5.24e-05	0.0	0.0	0.0
		-2.65	-2.55e-04	3.13e-05	0.0	486.5	-0.57	-3.86	-5.24e-05	0.0	-2.55e-04	-2.65
340	23	2.72	0.0	-2.23e-03	-6.63	0.0	-15.32	2.73	-2.18e-03	0.0	0.0	0.0
		-2.86	-0.01	4.10e-03	0.0	486.5	-11.44	-3.90	-2.18e-03	0.0	-0.01	-2.86
340	26	2.89	0.01	-2.72e-03	-6.63	0.0	6.42	2.81	2.08e-03	0.0	0.0	0.0
		-2.45	0.0	-4.06e-03	0.0	486.5	10.29	-3.82	2.08e-03	0.0	0.01	-2.45
340	48	2.46	5.09e-03	-1.43e-03	-6.63	0.0	-51.89	2.59	1.05e-03	0.0	0.0	0.0
		-3.52	0.0	7.50e-04	0.0	486.5	-48.02	-4.04	1.05e-03	0.0	5.09e-03	-3.52
340	49	3.18	0.0	-3.64e-03	-6.63	0.0	42.99	2.95	-1.15e-03	0.0	0.0	0.0
		-1.79	-5.60e-03	-7.45e-04	0.0	486.5	46.87	-3.68	-1.15e-03	0.0	-5.60e-03	-1.79
340	55	2.74	0.0	-2.30e-03	-6.63	0.0	-12.25	2.74	-1.71e-03	0.0	0.0	0.0
		-2.80	-8.32e-03	3.30e-03	0.0	486.5	-8.38	-3.89	-1.71e-03	0.0	-8.32e-03	-2.80
340	58	2.87	7.81e-03	-2.65e-03	-6.63	0.0	3.36	2.80	1.61e-03	0.0	0.0	0.0
		-2.51	0.0	-3.27e-03	0.0	486.5	7.23	-3.83	1.61e-03	0.0	7.81e-03	-2.51
340	80	2.53	3.76e-03	-1.67e-03	-6.63	0.0	-40.51	2.63	7.74e-04	0.0	0.0	0.0
		-3.31	0.0	5.71e-04	0.0	486.5	-36.64	-3.99	7.74e-04	0.0	3.76e-03	-3.31

340	81	3.09	0.0	-3.35e-03	-6.63	0.0	31.62	2.90	-8.78e-04	0.0	0.0	0.0
		-1.99	-4.27e-03	-5.65e-04	0.0	486.5	35.49	-3.72	-8.78e-04	0.0	-4.27e-03	-1.99
340	87	2.75	0.0	-2.32e-03	-6.63	0.0	-11.35	2.74	-1.53e-03	0.0	0.0	0.0
		-2.78	-7.46e-03	2.97e-03	0.0	486.5	-7.47	-3.88	-1.53e-03	0.0	-7.46e-03	-2.78
340	90	2.86	6.95e-03	-2.63e-03	-6.63	0.0	2.45	2.79	1.43e-03	0.0	0.0	0.0
		-2.53	0.0	-2.93e-03	0.0	486.5	6.32	-3.83	1.43e-03	0.0	6.95e-03	-2.53
340	112	2.56	3.31e-03	-1.75e-03	-6.63	0.0	-36.45	2.65	6.80e-04	0.0	0.0	0.0
		-3.24	0.0	5.07e-04	0.0	486.5	-32.57	-3.98	6.80e-04	0.0	3.31e-03	-3.24
340	113	3.06	0.0	-3.24e-03	-6.63	0.0	27.55	2.89	-7.85e-04	0.0	0.0	0.0
		-2.07	-3.82e-03	-5.02e-04	0.0	486.5	31.43	-3.74	-7.85e-04	0.0	-3.82e-03	-2.07
340	119	2.70	0.0	-2.17e-03	-6.63	0.0	-17.77	2.72	-2.57e-03	0.0	0.0	0.0
		-2.90	-0.01	4.75e-03	0.0	486.5	-13.90	-3.91	-2.57e-03	0.0	-0.01	-2.90
340	122	2.91	0.01	-2.77e-03	-6.63	0.0	8.88	2.82	2.47e-03	0.0	0.0	0.0
		-2.41	0.0	-4.71e-03	0.0	486.5	12.75	-3.81	2.47e-03	0.0	0.01	-2.41
340	144	2.39	6.23e-03	-1.26e-03	-6.63	0.0	-61.06	2.55	1.28e-03	0.0	0.0	0.0
		-3.69	0.0	8.76e-04	0.0	486.5	-57.19	-4.07	1.28e-03	0.0	6.23e-03	-3.69
340	145	3.26	0.0	-3.87e-03	-6.63	0.0	52.17	2.98	-1.39e-03	0.0	0.0	0.0
		-1.62	-6.74e-03	-8.70e-04	0.0	486.5	56.04	-3.65	-1.39e-03	0.0	-6.74e-03	-1.62
341	2	0.0	4.35e-03	1.25e-03	-8.71	0.0	-4.11	9.27	-2.72e-03	-1.86e-03	4.35e-03	-7.86
		-7.86	0.0	1.23e-04	0.0	160.0	-4.11	0.56	-2.72e-03	-1.86e-03	0.0	0.0
341	3	0.0	0.0	1.27e-04	-1.53	0.0	-1.62	1.76	8.11e-04	-2.03e-04	-1.30e-03	-1.59
		-1.59	-1.30e-03	3.65e-05	0.0	160.0	-1.62	0.23	8.11e-04	-2.03e-04	0.0	0.0
341	7	0.0	0.0	9.55e-05	-1.53	0.0	-2.29	1.83	1.96e-03	-1.32e-04	-3.13e-03	-1.71
		-1.71	-3.13e-03	6.04e-05	0.0	160.0	-2.29	0.30	1.96e-03	-1.32e-04	0.0	0.0
341	9	0.0	0.0	1.57e-04	-1.53	0.0	-1.28	1.72	2.21e-04	-2.30e-04	-3.54e-04	-1.52
		-1.52	-3.54e-04	3.25e-05	0.0	160.0	-1.28	0.19	2.21e-04	-2.30e-04	0.0	0.0
341	10	0.0	3.08e-03	8.60e-04	-6.01	0.0	-2.82	6.40	-1.92e-03	-1.29e-03	3.08e-03	-5.43
		-5.43	0.0	8.48e-05	0.0	160.0	-2.82	0.39	-1.92e-03	-1.29e-03	0.0	0.0
341	11	0.0	0.0	1.21e-04	-1.53	0.0	-1.73	1.77	9.84e-04	-1.83e-04	-1.57e-03	-1.61
		-1.61	-1.57e-03	4.04e-05	0.0	160.0	-1.73	0.24	9.84e-04	-1.83e-04	0.0	0.0
341	13	0.0	1.48e-03	2.24e-04	-1.53	0.0	-0.62	1.64	-9.23e-04	-3.01e-04	1.48e-03	-1.40
		-1.40	0.0	2.49e-05	0.0	160.0	-0.62	0.11	-9.23e-04	-3.01e-04	0.0	0.0
341	14	0.0	3.19e-03	5.75e-04	-3.77	0.0	-1.39	3.98	-2.00e-03	-8.28e-04	3.19e-03	-3.35
		-3.35	0.0	5.11e-05	0.0	160.0	-1.39	0.21	-2.00e-03	-8.28e-04	0.0	0.0
341	15	0.0	8.66e-04	2.02e-04	-1.53	0.0	-0.84	1.67	-5.41e-04	-2.77e-04	8.66e-04	-1.44
		-1.44	0.0	2.75e-05	0.0	160.0	-0.84	0.14	-5.41e-04	-2.77e-04	0.0	0.0
341	17	0.0	1.48e-03	2.24e-04	-1.53	0.0	-0.62	1.64	-9.23e-04	-3.01e-04	1.48e-03	-1.40
		-1.40	0.0	2.49e-05	0.0	160.0	-0.62	0.11	-9.23e-04	-3.01e-04	0.0	0.0
341	18	0.0	2.51e-03	4.35e-04	-2.88	0.0	-1.08	3.05	-1.57e-03	-6.17e-04	2.51e-03	-2.57
		-2.57	0.0	4.06e-05	0.0	160.0	-1.08	0.17	-1.57e-03	-6.17e-04	0.0	0.0
341	19	0.0	0.13	2.21e-04	-2.88	0.0	-4.45	3.26	-0.08	-2.42e-04	0.13	-2.91
		-2.91	0.0	-1.32e-03	0.0	160.0	-4.45	0.38	-0.08	-2.42e-04	0.0	0.0
341	22	0.0	0.0	6.61e-04	-2.88	0.0	2.29	2.83	0.08	-9.93e-04	-0.13	-2.23
		-2.23	-0.13	1.29e-03	0.0	160.0	2.29	-0.04	0.08	-9.93e-04	0.0	0.0
341	48	0.0	0.0	-3.03e-04	-2.88	0.0	-11.25	3.83	0.02	4.88e-04	-0.03	-3.82
		-3.82	-0.03	4.40e-03	0.0	160.0	-11.25	0.95	0.02	4.88e-04	0.0	0.0
341	49	0.10	0.04	1.17e-03	-2.88	0.0	9.09	2.27	-0.02	-1.72e-03	0.04	-1.33
		-1.33	0.0	-4.32e-03	0.0	160.0	9.09	-0.61	-0.02	-1.72e-03	0.0	0.0
341	51	0.0	0.10	2.69e-04	-2.88	0.0	-3.57	3.20	-0.06	-3.40e-04	0.10	-2.82
		-2.82	0.0	-1.13e-03	0.0	160.0	-3.57	0.33	-0.06	-3.40e-04	0.0	0.0
341	54	0.0	0.0	6.01e-04	-2.88	0.0	1.41	2.89	0.06	-8.95e-04	-0.09	-2.32
		-2.32	-0.09	1.09e-03	0.0	160.0	1.41	0.01	0.06	-8.95e-04	0.0	0.0
341	80	0.0	0.0	-1.25e-04	-2.88	0.0	-8.71	3.64	0.01	2.10e-04	-0.02	-3.53
		-3.53	-0.02	3.23e-03	0.0	160.0	-8.71	0.77	0.01	2.10e-04	0.0	0.0
341	81	0.05	0.03	9.95e-04	-2.88	0.0	6.55	2.45	-0.02	-1.44e-03	0.03	-1.62
		-1.62	0.0	-3.15e-03	0.0	160.0	6.55	-0.43	-0.02	-1.44e-03	0.0	0.0
341	83	0.0	0.09	2.88e-04	-2.88	0.0	-3.28	3.18	-0.05	-3.72e-04	0.09	-2.79
		-2.79	0.0	-1.02e-03	0.0	160.0	-3.28	0.31	-0.05	-3.72e-04	0.0	0.0
341	86	0.0	0.0	5.82e-04	-2.88	0.0	1.13	2.91	0.05	-8.63e-04	-0.08	-2.35
		-2.35	-0.08	9.91e-04	0.0	160.0	1.13	0.03	0.05	-8.63e-04	0.0	0.0
341	112	0.0	0.0	1.23e-04	-2.88	0.0	-7.85	3.58	0.01	1.17e-04	-0.02	-3.42
		-3.42	-0.02	2.86e-03	0.0	160.0	-7.85	0.70	0.01	1.17e-04	0.0	0.0
341	113	0.04	0.03	9.32e-04	-2.88	0.0	5.69	2.52	-0.02	-1.35e-03	0.03	-1.72
		-1.72	0.0	-2.78e-03	0.0	160.0	5.69	-0.36	-0.02	-1.35e-03	0.0	0.0
341	115	0.0	0.16	1.95e-04	-2.88	0.0	-5.15	3.30	-0.10	-1.64e-04	0.16	-2.98
		-2.98	0.0	-1.50e-03	0.0	160.0	-5.15	0.43	-0.10	-1.64e-04	0.0	0.0
341	118	0.0	0.0	7.09e-04	-2.88	0.0	2.99	2.79	0.09	-1.07e-03	-0.15	-2.16
		-2.16	-0.15	1.47e-03	0.0	160.0	2.99	-0.09	0.09	-1.07e-03	0.0	0.0
341	144	0.0	0.0	-4.47e-04	-2.88	0.0	-13.33	3.97	0.03	7.17e-04	-0.04	-4.05
		-4.05	-0.04	5.33e-03	0.0	160.0	-13.33	1.09	0.03	7.17e-04	0.0	0.0
341	145	0.16	0.05	1.32e-03	-2.88	0.0	11.17	2.12	-0.03	-1.95e-03	0.05	-1.09
		-1.09	0.0	-5.25e-03	0.0	160.0	11.17	-0.75	-0.03	-1.95e-03	0.0	0.0
342	2	0.24	2.36e-04	1.24e-03	-8.71	0.0	-0.49	7.09	-1.48e-04	2.53e-03	2.36e-04	-4.38
		-4.38	0.0	1.23e-04	0.0	160.0	-0.49	-1.62	-1.48e-04	2.53e-03	0.0	0.0
342	6	9.34e-03	0.0	8.59e-04	-6.70	0.0	0.75	6.39	1.31e-03	1.78e-03	-2.10e-03	-4.87

		-4.87	-2.10e-03	1.07e-04	0.0	160.0	0.75	-0.30	1.31e-03	1.78e-03	0.0	0.0
342	7	0.0	0.0	1.88e-04	-1.53	0.0	1.78	2.82	2.34e-03	1.88e-04	-3.74e-03	-3.29
		-3.29	-3.74e-03	6.76e-05	0.0	160.0	1.78	1.29	2.34e-03	1.88e-04	0.0	0.0
342	10	0.17	2.24e-04	8.56e-04	-6.01	0.0	-0.37	4.88	-1.40e-04	1.75e-03	2.24e-04	-2.99
		-2.99	0.0	8.48e-05	0.0	160.0	-0.37	-1.14	-1.40e-04	1.75e-03	0.0	0.0
342	11	0.0	0.0	1.62e-04	-1.53	0.0	1.05	2.26	1.43e-03	3.28e-04	-2.29e-03	-2.38
		-2.38	-2.29e-03	4.77e-05	0.0	160.0	1.05	0.72	1.43e-03	3.28e-04	0.0	0.0
342	12	0.01	0.0	6.02e-04	-4.67	0.0	0.46	4.41	8.34e-04	1.26e-03	-1.33e-03	-3.32
		-3.32	-1.33e-03	7.42e-05	0.0	160.0	0.46	-0.26	8.34e-04	1.26e-03	0.0	0.0
342	14	0.26	1.27e-03	5.72e-04	-3.77	0.0	-0.81	2.66	-7.94e-04	1.24e-03	1.27e-03	-1.23
		-1.23	0.0	5.11e-05	0.0	160.0	-0.81	-1.12	-7.94e-04	1.24e-03	0.0	0.0
342	15	0.02	1.48e-05	2.00e-04	-1.53	0.0	-0.10	1.35	-9.25e-06	5.28e-04	1.48e-05	-0.93
		-0.93	0.0	2.75e-05	0.0	160.0	-0.10	-0.19	-9.25e-06	5.28e-04	0.0	0.0
342	16	0.10	4.23e-04	4.10e-04	-2.88	0.0	-0.36	2.27	-2.64e-04	9.26e-04	4.23e-04	-1.33
		-1.33	0.0	4.31e-05	0.0	160.0	-0.36	-0.61	-2.64e-04	9.26e-04	0.0	0.0
342	17	0.09	5.90e-04	2.22e-04	-1.53	0.0	-0.39	1.12	-3.69e-04	5.78e-04	5.90e-04	-0.56
		-0.56	0.0	2.49e-05	0.0	160.0	-0.39	-0.41	-3.69e-04	5.78e-04	0.0	0.0
342	18	0.19	9.98e-04	4.32e-04	-2.88	0.0	-0.64	2.04	-6.24e-04	9.76e-04	9.98e-04	-0.96
		-0.96	0.0	4.06e-05	0.0	160.0	-0.64	-0.84	-6.24e-04	9.76e-04	0.0	0.0
342	19	0.0	0.13	2.18e-04	-2.88	0.0	-0.31	3.25	-0.08	6.22e-04	0.13	-2.90
		-2.90	0.0	-1.32e-03	0.0	160.0	-0.31	0.38	-0.08	6.22e-04	0.0	0.0
342	22	1.16	0.0	6.59e-04	-2.88	0.0	-0.98	0.83	0.08	1.33e-03	-0.13	0.97
		0.0	-0.13	1.32e-03	0.0	160.0	-0.98	-2.05	0.08	1.33e-03	0.0	0.0
342	48	0.0	0.0	4.52e-04	-2.88	0.0	6.03	8.08	0.02	-4.56e-04	-0.04	-10.63
		-10.63	-0.04	4.40e-03	0.0	160.0	6.03	5.21	0.02	-4.56e-04	0.0	0.0
342	49	8.70	0.04	1.16e-03	-2.88	0.0	-7.32	-4.00	-0.02	2.41e-03	0.04	8.70
		0.0	0.0	-4.32e-03	0.0	160.0	-7.32	-6.88	-0.02	2.41e-03	0.0	0.0
342	51	0.0	0.10	2.65e-04	-2.88	0.0	-0.45	2.91	-0.06	7.21e-04	0.10	-2.35
		-2.35	0.0	-1.12e-03	0.0	160.0	-0.45	0.03	-0.06	7.21e-04	0.0	0.0
342	54	0.81	0.0	5.98e-04	-2.88	0.0	-0.84	1.17	0.06	1.23e-03	-0.10	0.42
		0.0	-0.10	1.12e-03	0.0	160.0	-0.84	-1.70	0.06	1.23e-03	0.0	0.0
342	80	0.0	0.0	3.96e-04	-2.88	0.0	4.72	6.77	0.02	-1.32e-04	-0.03	-8.52
		-8.52	-0.03	3.23e-03	0.0	160.0	4.72	3.89	0.02	-1.32e-04	0.0	0.0
342	81	6.60	0.03	9.88e-04	-2.88	0.0	-6.01	-2.68	-0.02	2.08e-03	0.03	6.60
		0.0	0.0	-3.15e-03	0.0	160.0	-6.01	-5.56	-0.02	2.08e-03	0.0	0.0
342	83	0.0	0.09	2.84e-04	-2.88	0.0	-0.48	2.80	-0.05	7.51e-04	0.09	-2.19
		-2.19	0.0	-1.01e-03	0.0	160.0	-0.48	-0.07	-0.05	7.51e-04	0.0	0.0
342	86	0.71	0.0	5.79e-04	-2.88	0.0	-0.81	1.28	0.05	1.20e-03	-0.08	0.26
		0.0	-0.08	1.02e-03	0.0	160.0	-0.81	-1.60	0.05	1.20e-03	0.0	0.0
342	112	0.0	0.0	3.70e-04	-2.88	0.0	4.13	6.24	0.01	-7.69e-06	-0.02	-7.68
		-7.68	-0.02	2.86e-03	0.0	160.0	4.13	3.36	0.01	-7.69e-06	0.0	0.0
342	113	5.75	0.02	9.25e-04	-2.88	0.0	-5.42	-2.16	-0.02	1.96e-03	0.02	5.75
		0.0	0.0	-2.78e-03	0.0	160.0	-5.42	-5.03	-0.02	1.96e-03	0.0	0.0
342	115	0.0	0.16	2.12e-04	-2.88	0.0	-0.21	3.52	-0.10	5.45e-04	0.16	-3.33
		-3.33	0.0	-1.50e-03	0.0	160.0	-0.21	0.64	-0.10	5.45e-04	0.0	0.0
342	118	1.49	0.0	7.06e-04	-2.88	0.0	-1.08	0.56	0.10	1.41e-03	-0.15	1.40
		0.0	-0.15	1.50e-03	0.0	160.0	-1.08	-2.31	0.10	1.41e-03	0.0	0.0
342	144	0.0	0.0	4.92e-04	-2.88	0.0	6.96	9.09	0.03	-7.11e-04	-0.04	-12.24
		-12.24	-0.04	5.33e-03	0.0	160.0	6.96	6.21	0.03	-7.11e-04	0.0	0.0
342	145	10.32	0.05	1.31e-03	-2.88	0.0	-8.25	-5.01	-0.03	2.66e-03	0.05	10.32
		0.0	0.0	-5.25e-03	0.0	160.0	-8.25	-7.89	-0.03	2.66e-03	0.0	0.0
343	2	0.20	0.0	1.01e-04	-7.54	0.0	-6.71	6.17	6.47e-03	0.02	-0.01	-3.83
		-3.83	-0.01	1.89e-04	0.0	160.0	-6.71	-1.38	6.47e-03	0.02	0.0	0.0
343	3	0.01	0.0	-3.58e-05	-1.37	0.0	-0.90	1.22	1.64e-03	2.34e-03	-2.63e-03	-0.86
		-0.86	-2.63e-03	5.04e-05	0.0	160.0	-0.90	-0.15	1.64e-03	2.34e-03	0.0	0.0
343	7	5.76e-03	0.0	-4.55e-05	-1.37	0.0	-0.53	1.27	1.90e-03	1.55e-03	-3.04e-03	-0.94
		-0.94	-3.04e-03	5.94e-05	0.0	160.0	-0.53	-0.10	1.90e-03	1.55e-03	0.0	0.0
343	9	0.02	0.0	-3.34e-05	-1.37	0.0	-1.12	1.20	1.53e-03	2.77e-03	-2.45e-03	-0.82
		-0.82	-2.45e-03	4.67e-05	0.0	160.0	-1.12	-0.17	1.53e-03	2.77e-03	0.0	0.0
343	10	0.14	0.0	6.90e-05	-5.21	0.0	-4.65	4.26	4.47e-03	0.01	-7.15e-03	-2.65
		-2.65	-7.15e-03	1.31e-04	0.0	160.0	-4.65	-0.95	4.47e-03	0.01	0.0	0.0
343	11	0.01	0.0	-3.98e-05	-1.37	0.0	-0.87	1.23	1.70e-03	2.25e-03	-2.72e-03	-0.87
		-0.87	-2.72e-03	5.28e-05	0.0	160.0	-0.87	-0.14	1.70e-03	2.25e-03	0.0	0.0
343	13	0.03	0.0	-2.37e-05	-1.37	0.0	-1.50	1.15	1.27e-03	3.56e-03	-2.04e-03	-0.74
		-0.74	-2.04e-03	3.77e-05	0.0	160.0	-1.50	-0.22	1.27e-03	3.56e-03	0.0	0.0
343	14	0.09	0.0	3.92e-05	-3.29	0.0	-3.26	2.68	2.74e-03	8.25e-03	-4.39e-03	-1.65
		-1.65	-4.39e-03	7.97e-05	0.0	160.0	-3.26	-0.61	2.74e-03	8.25e-03	0.0	0.0
343	15	0.02	0.0	-2.69e-05	-1.37	0.0	-1.38	1.17	1.36e-03	3.30e-03	-2.17e-03	-0.77
		-0.77	-2.17e-03	4.07e-05	0.0	160.0	-1.38	-0.21	1.36e-03	3.30e-03	0.0	0.0
343	17	0.03	0.0	-2.37e-05	-1.37	0.0	-1.50	1.15	1.27e-03	3.56e-03	-2.04e-03	-0.74
		-0.74	-2.04e-03	3.77e-05	0.0	160.0	-1.50	-0.22	1.27e-03	3.56e-03	0.0	0.0
343	18	0.07	0.0	2.78e-05	-2.52	0.0	-2.56	2.07	2.15e-03	6.37e-03	-3.45e-03	-1.29
		-1.29	-3.45e-03	6.29e-05	0.0	160.0	-2.56	-0.46	2.15e-03	6.37e-03	0.0	0.0
343	23	0.0	0.13	7.05e-05	-2.52	0.0	-0.38	2.68	-0.08	4.49e-03	0.13	-2.27
		-2.27	0.0	-1.26e-03	0.0	160.0	-0.38	0.15	-0.08	4.49e-03	0.0	0.0

343	26	0.36	0.0	3.12e-05	-2.52	0.0	-4.74	1.46	0.08	8.26e-03	-0.13	-0.31
		-0.31	-0.13	1.38e-03	0.0	160.0	-4.74	-1.07	0.08	8.26e-03	0.0	0.0
343	48	0.0	0.0	-1.80e-04	-2.52	0.0	5.13	4.07	0.03	-2.14e-03	-0.04	-4.49
		-4.49	-0.04	4.40e-03	0.0	160.0	5.13	1.54	0.03	-2.14e-03	0.0	0.0
343	49	1.91	0.04	1.69e-04	-2.52	0.0	-10.24	0.07	-0.02	0.01	0.04	1.91
		0.0	0.0	-4.32e-03	0.0	160.0	-10.24	-2.45	-0.02	0.01	0.0	0.0
343	55	0.0	0.09	5.99e-05	-2.52	0.0	-0.94	2.52	-0.06	5.03e-03	0.09	-2.01
		-2.01	0.0	-1.06e-03	0.0	160.0	-0.94	-3.95e-03	-0.06	5.03e-03	0.0	0.0
343	58	0.26	0.0	2.05e-05	-2.52	0.0	-4.18	1.61	0.06	7.72e-03	-0.10	-0.56
		-0.56	-0.10	1.18e-03	0.0	160.0	-4.18	-0.91	0.06	7.72e-03	0.0	0.0
343	80	0.0	0.0	-1.39e-04	-2.52	0.0	3.21	3.57	0.02	-1.16e-04	-0.03	-3.69
		-3.69	-0.03	3.23e-03	0.0	160.0	3.21	1.04	0.02	-1.16e-04	0.0	0.0
343	81	1.21	0.03	1.29e-04	-2.52	0.0	-8.33	0.57	-0.02	0.01	0.03	1.11
		0.0	0.0	-3.15e-03	0.0	160.0	-8.33	-1.95	-0.02	0.01	0.0	0.0
343	87	0.0	0.08	5.62e-05	-2.52	0.0	-1.13	2.47	-0.05	5.19e-03	0.08	-1.93
		-1.93	0.0	-9.54e-04	0.0	160.0	-1.13	-0.06	-0.05	5.19e-03	0.0	0.0
343	90	0.23	0.0	1.75e-05	-2.52	0.0	-3.99	1.67	0.06	7.56e-03	-0.09	-0.65
		-0.65	-0.09	1.07e-03	0.0	160.0	-3.99	-0.86	0.06	7.56e-03	0.0	0.0
343	112	0.0	0.0	-1.24e-04	-2.52	0.0	2.56	3.40	0.02	6.15e-04	-0.03	-3.42
		-3.42	-0.03	2.86e-03	0.0	160.0	2.56	0.87	0.02	6.15e-04	0.0	0.0
343	113	1.01	0.02	1.14e-04	-2.52	0.0	-7.68	0.74	-0.01	0.01	0.02	0.84
		0.0	0.0	-2.78e-03	0.0	160.0	-7.68	-1.79	-0.01	0.01	0.0	0.0
343	119	0.0	0.15	7.90e-05	-2.52	0.0	0.08	2.80	-0.10	4.06e-03	0.15	-2.47
		-2.47	0.0	-1.44e-03	0.0	160.0	0.08	0.28	-0.10	4.06e-03	0.0	0.0
343	122	0.45	0.0	3.99e-05	-2.52	0.0	-5.19	1.33	0.10	8.69e-03	-0.16	-0.11
		-0.11	-0.16	1.55e-03	0.0	160.0	-5.19	-1.19	0.10	8.69e-03	0.0	0.0
343	144	0.0	0.0	-2.12e-04	-2.52	0.0	6.72	4.48	0.03	-3.77e-03	-0.05	-5.15
		-5.15	-0.05	5.33e-03	0.0	160.0	6.72	1.96	0.03	-3.77e-03	0.0	0.0
343	145	2.58	0.04	2.02e-04	-2.52	0.0	-11.84	-0.35	-0.03	0.02	0.04	2.58
		0.0	0.0	-5.25e-03	0.0	160.0	-11.84	-2.87	-0.03	0.02	0.0	0.0
344	2	5.74	2.13e-03	2.32e-03	-8.49	0.0	2.19	-0.44	6.27e-04	3.94e-04	7.90e-04	5.74
		-4.25	7.90e-04	6.15e-05	0.0	213.3	-3.21	-8.93	6.27e-04	3.94e-04	2.13e-03	-4.25
344	3	2.78	1.45e-03	1.20e-03	-1.54	0.0	5.07	-1.58	4.97e-04	6.93e-04	3.85e-04	2.78
		-2.24	3.85e-04	-2.99e-05	0.0	213.3	4.09	-3.13	4.97e-04	6.93e-04	1.45e-03	-2.24
344	6	6.38	2.77e-03	2.61e-03	-6.54	0.0	6.88	-1.99	9.00e-04	1.00e-03	8.54e-04	6.38
		-4.84	8.54e-04	5.92e-05	0.0	213.3	2.71	-8.53	9.00e-04	1.00e-03	2.77e-03	-4.84
344	7	4.28	2.27e-03	1.79e-03	-1.54	0.0	9.02	-2.82	8.03e-04	1.21e-03	5.61e-04	4.28
		-3.38	5.61e-04	-4.70e-05	0.0	213.3	8.03	-4.36	8.03e-04	1.21e-03	2.27e-03	-3.38
344	9	2.00	1.04e-03	9.24e-04	-1.54	0.0	3.04	-0.95	3.48e-04	4.47e-04	2.93e-04	2.00
		-1.67	2.93e-04	-2.15e-05	0.0	213.3	2.06	-2.49	3.48e-04	4.47e-04	1.04e-03	-1.67
344	10	3.92	1.44e-03	1.58e-03	-5.86	0.0	1.38	-0.27	4.21e-04	2.44e-04	5.44e-04	3.92
		-2.90	5.44e-04	4.19e-05	0.0	213.3	-2.35	-6.13	4.21e-04	2.44e-04	1.44e-03	-2.90
344	11	3.00	1.59e-03	1.32e-03	-1.54	0.0	5.67	-1.78	5.52e-04	7.93e-04	4.11e-04	3.00
		-2.43	4.11e-04	-3.29e-05	0.0	213.3	4.68	-3.32	5.52e-04	7.93e-04	1.59e-03	-2.43
344	12	4.34	1.87e-03	1.78e-03	-4.57	0.0	4.51	-1.30	6.03e-04	6.51e-04	5.87e-04	4.34
		-3.30	5.87e-04	4.04e-05	0.0	213.3	1.60	-5.86	6.03e-04	6.51e-04	1.87e-03	-3.30
344	13	0.56	2.08e-04	3.35e-04	-1.54	0.0	-0.90	0.29	4.28e-05	-7.18e-05	1.17e-04	0.50
		-0.53	1.17e-04	5.63e-06	0.0	213.3	-1.88	-1.26	4.28e-05	-7.18e-05	2.08e-04	-0.53
344	14	1.58	4.11e-04	6.64e-04	-3.70	0.0	-1.73	0.63	7.94e-05	-1.73e-04	2.42e-04	1.46
		-1.14	2.42e-04	1.90e-05	0.0	213.3	-4.09	-3.07	7.94e-05	-1.73e-04	4.11e-04	-1.14
344	15	1.00	4.84e-04	5.31e-04	-1.54	0.0	0.41	-0.12	1.45e-04	1.01e-04	1.76e-04	1.00
		-0.91	1.76e-04	-1.01e-05	0.0	213.3	-0.57	-1.67	1.45e-04	1.01e-04	4.84e-04	-0.91
344	16	1.58	6.06e-04	7.28e-04	-2.84	0.0	-0.08	0.08	1.67e-04	4.03e-05	2.51e-04	1.58
		-1.28	2.51e-04	1.68e-05	0.0	213.3	-1.89	-2.76	1.67e-04	4.03e-05	6.06e-04	-1.28
344	17	0.56	2.08e-04	3.35e-04	-1.54	0.0	-0.90	0.29	4.28e-05	-7.18e-05	1.17e-04	0.50
		-0.53	1.17e-04	5.63e-06	0.0	213.3	-1.88	-1.26	4.28e-05	-7.18e-05	2.08e-04	-0.53
344	18	1.17	3.30e-04	5.32e-04	-2.84	0.0	-1.40	0.49	6.48e-05	-1.33e-04	1.92e-04	1.08
		-0.90	1.92e-04	1.36e-05	0.0	213.3	-3.20	-2.35	6.48e-05	-1.33e-04	3.30e-04	-0.90
344	24	8.77	0.58	3.73e-03	-2.84	0.0	18.75	-6.07	0.53	-0.13	-0.54	8.77
		-7.21	-0.54	-0.03	0.0	213.3	16.94	-8.91	0.53	-0.13	0.58	-7.21
344	25	5.42	0.54	-2.66e-03	-2.84	0.0	-21.55	7.06	-0.53	0.13	0.54	-6.61
		-6.61	-0.58	0.03	0.0	213.3	-23.35	4.22	-0.53	0.13	-0.58	5.42
344	48	13.95	0.19	5.70e-03	-2.84	0.0	31.78	-10.27	0.17	-0.03	-0.14	13.95
		-11.00	-0.14	-9.44e-03	0.0	213.3	29.97	-13.11	0.17	-0.03	0.19	-11.00
344	49	9.21	0.14	-4.64e-03	-2.84	0.0	-34.57	11.26	-0.17	0.03	0.14	-11.79
		-11.79	-0.19	9.46e-03	0.0	213.3	-36.38	8.42	-0.17	0.03	-0.19	9.21
344	64	7.34	0.37	3.11e-03	-2.84	0.0	14.96	-4.83	0.34	-0.08	-0.35	7.34
		-5.99	-0.35	-0.02	0.0	213.3	13.15	-7.67	0.34	-0.08	0.37	-5.99
344	65	4.19	0.35	-2.05e-03	-2.84	0.0	-17.75	5.82	-0.34	0.08	0.35	-5.19
		-5.19	-0.37	0.02	0.0	213.3	-19.56	2.98	-0.34	0.08	-0.37	4.19
344	80	11.21	0.12	4.58e-03	-2.84	0.0	24.65	-7.95	0.11	-0.02	-0.09	11.21
		-8.80	-0.09	-6.03e-03	0.0	213.3	22.85	-10.79	0.11	-0.02	0.12	-8.80
344	81	7.01	0.09	-3.52e-03	-2.84	0.0	-27.45	8.94	-0.11	0.02	0.09	-9.05
		-9.05	-0.12	6.05e-03	0.0	213.3	-29.26	6.10	-0.11	0.02	-0.12	7.01
344	96	6.63	0.32	2.82e-03	-2.84	0.0	13.10	-4.22	0.30	-0.07	-0.30	6.63

		-5.41	-0.30	-0.02	0.0	213.3	11.29	-7.06	0.30	-0.07	0.32	-5.41
344	97	3.62	0.30	-1.76e-03	-2.84	0.0	-15.90	5.21	-0.30	0.07	0.30	-4.48
		-4.48	-0.32	0.02	0.0	213.3	-17.70	2.37	-0.30	0.07	-0.32	3.62
344	112	10.08	0.11	4.13e-03	-2.84	0.0	21.75	-7.01	0.10	-0.01	-0.08	10.08
		-7.92	-0.08	-5.23e-03	0.0	213.3	19.94	-9.85	0.10	-0.01	0.11	-7.92
344	113	6.13	0.08	-3.06e-03	-2.84	0.0	-24.54	8.00	-0.10	0.01	0.08	-7.92
		-7.92	-0.11	5.25e-03	0.0	213.3	-26.35	5.16	-0.10	0.01	-0.11	6.13
344	120	10.18	0.74	4.32e-03	-2.84	0.0	22.47	-7.29	0.67	-0.16	-0.69	10.18
		-8.40	-0.69	-0.04	0.0	213.3	20.67	-10.13	0.67	-0.16	0.74	-8.40
344	121	6.60	0.69	-3.26e-03	-2.84	0.0	-25.27	8.27	-0.67	0.16	0.69	-8.02
		-8.02	-0.74	0.04	0.0	213.3	-27.08	5.43	-0.67	0.16	-0.74	6.60
344	144	16.02	0.23	6.55e-03	-2.84	0.0	37.18	-12.03	0.21	-0.03	-0.17	16.02
		-12.69	-0.17	-0.01	0.0	213.3	35.38	-14.87	0.21	-0.03	0.23	-12.69
344	145	10.89	0.17	-5.49e-03	-2.84	0.0	-39.98	13.02	-0.21	0.03	0.17	-13.86
		-13.86	-0.23	0.01	0.0	213.3	-41.79	10.18	-0.21	0.03	-0.23	10.89
345	1	2.87	7.24e-04	-6.72e-04	-1.56	0.0	4.73	2.83	5.17e-04	3.67e-04	0.0	0.0
		0.0	0.0	-1.39e-04	0.0	140.0	4.73	1.27	5.17e-04	3.67e-04	7.24e-04	2.87
345	2	5.74	8.78e-04	-2.24e-03	-6.60	0.0	2.09	7.40	6.27e-04	-9.12e-05	0.0	0.0
		0.0	0.0	-2.66e-04	0.0	140.0	2.09	0.80	6.27e-04	-9.12e-05	8.78e-04	5.74
345	5	4.37	1.15e-03	-9.80e-04	-1.56	0.0	8.72	3.90	8.23e-04	7.10e-04	0.0	0.0
		0.0	0.0	-1.96e-04	0.0	140.0	8.72	2.34	8.23e-04	7.10e-04	1.15e-03	4.37
345	6	6.38	1.26e-03	-2.08e-03	-5.09	0.0	6.87	7.10	9.00e-04	3.89e-04	0.0	0.0
		0.0	0.0	-2.84e-04	0.0	140.0	6.87	2.01	9.00e-04	3.89e-04	1.26e-03	6.38
345	7	4.28	1.12e-03	-9.85e-04	-1.20	0.0	9.12	3.66	8.03e-04	7.21e-04	0.0	0.0
		0.0	0.0	-1.80e-04	0.0	140.0	9.12	2.46	8.03e-04	7.21e-04	1.12e-03	4.28
345	9	2.00	4.88e-04	-4.92e-04	-1.20	0.0	3.07	2.03	3.48e-04	2.20e-04	0.0	0.0
		0.0	0.0	-9.72e-05	0.0	140.0	3.07	0.83	3.48e-04	2.20e-04	4.88e-04	2.00
345	10	3.92	5.90e-04	-1.54e-03	-4.56	0.0	1.31	5.08	4.21e-04	-8.58e-05	0.0	0.0
		0.0	0.0	-1.81e-04	0.0	140.0	1.31	0.52	4.21e-04	-8.58e-05	5.90e-04	3.92
345	11	3.00	7.73e-04	-6.98e-04	-1.20	0.0	5.73	2.74	5.52e-04	4.48e-04	0.0	0.0
		0.0	0.0	-1.35e-04	0.0	140.0	5.73	1.54	5.52e-04	4.48e-04	7.73e-04	3.00
345	12	4.34	8.44e-04	-1.43e-03	-3.55	0.0	4.50	4.88	6.03e-04	2.34e-04	0.0	0.0
		0.0	0.0	-1.94e-04	0.0	140.0	4.50	1.33	6.03e-04	2.34e-04	8.44e-04	4.34
345	13	0.54	5.99e-05	-1.84e-04	-1.20	0.0	-0.92	0.96	4.28e-05	-1.23e-04	0.0	0.0
		0.0	0.0	-4.06e-05	0.0	140.0	-0.92	-0.24	4.28e-05	-1.23e-04	5.99e-05	0.50
345	14	1.50	1.11e-04	-7.07e-04	-2.88	0.0	-1.80	2.48	7.94e-05	-2.76e-04	0.0	0.0
		0.0	0.0	-8.27e-05	0.0	140.0	-1.80	-0.40	7.94e-05	-2.76e-04	1.11e-04	1.46
345	15	1.00	2.02e-04	-2.87e-04	-1.20	0.0	0.41	1.32	1.45e-04	-8.94e-06	0.0	0.0
		0.0	0.0	-5.94e-05	0.0	140.0	0.41	0.12	1.45e-04	-8.94e-06	2.02e-04	1.00
345	16	1.58	2.33e-04	-6.01e-04	-2.21	0.0	-0.12	2.23	1.67e-04	-1.01e-04	0.0	0.0
		0.0	0.0	-8.47e-05	0.0	140.0	-0.12	0.02	1.67e-04	-1.01e-04	2.33e-04	1.58
345	17	0.54	5.99e-05	-1.84e-04	-1.20	0.0	-0.92	0.96	4.28e-05	-1.23e-04	0.0	0.0
		0.0	0.0	-4.06e-05	0.0	140.0	-0.92	-0.24	4.28e-05	-1.23e-04	5.99e-05	0.50
345	18	1.11	9.07e-05	-4.98e-04	-2.21	0.0	-1.45	1.87	6.48e-05	-2.15e-04	0.0	0.0
		0.0	0.0	-6.59e-05	0.0	140.0	-1.45	-0.33	6.48e-05	-2.15e-04	9.07e-05	1.08
345	23	1.92	0.0	-5.28e-04	-2.21	0.0	1.19	2.48	-0.39	0.18	0.0	0.0
		0.0	-0.54	0.03	0.0	140.0	1.19	0.27	-0.39	0.18	-0.54	1.92
345	26	0.51	0.54	-4.67e-04	-2.21	0.0	-4.08	1.27	0.39	-0.18	0.0	0.0
		0.0	0.0	-0.03	0.0	140.0	-4.08	-0.94	0.39	-0.18	0.54	0.24
345	48	13.95	0.0	-3.02e-03	-2.21	0.0	31.73	11.07	-0.10	0.06	0.0	0.0
		0.0	-0.13	6.84e-03	0.0	140.0	31.73	8.86	-0.10	0.06	-0.13	13.95
345	49	0.0	0.13	2.04e-03	-2.21	0.0	-34.62	-7.32	0.10	-0.06	0.0	0.0
		-11.79	0.0	-6.97e-03	0.0	140.0	-34.62	-9.53	0.10	-0.06	0.13	-11.79
345	63	1.91	0.0	-5.63e-04	-2.21	0.0	1.04	2.47	-0.25	0.12	0.0	0.0
		0.0	-0.35	0.02	0.0	140.0	1.04	0.26	-0.25	0.12	-0.35	1.91
345	66	0.52	0.35	-4.33e-04	-2.21	0.0	-3.93	1.28	0.25	-0.12	0.0	0.0
		0.0	0.0	-0.02	0.0	140.0	-3.93	-0.93	0.25	-0.12	0.35	0.25
345	80	11.21	0.0	-2.50e-03	-2.21	0.0	24.59	9.11	-0.06	0.04	0.0	0.0
		0.0	-0.08	4.05e-03	0.0	140.0	24.59	6.90	-0.06	0.04	-0.08	11.21
345	81	0.0	0.08	1.52e-03	-2.21	0.0	-27.48	-5.36	0.06	-0.04	0.0	0.0
		-9.05	0.0	-4.18e-03	0.0	140.0	-27.48	-7.57	0.06	-0.04	0.08	-9.05
345	95	1.80	0.0	-5.53e-04	-2.21	0.0	0.73	2.39	-0.22	0.10	0.0	0.0
		0.0	-0.30	0.02	0.0	140.0	0.73	0.18	-0.22	0.10	-0.30	1.80
345	98	0.59	0.30	-4.43e-04	-2.21	0.0	-3.62	1.36	0.22	-0.10	0.0	0.0
		0.0	0.0	-0.02	0.0	140.0	-3.62	-0.85	0.22	-0.10	0.30	0.36
345	112	10.08	0.0	-2.28e-03	-2.21	0.0	21.68	8.30	-0.05	0.03	0.0	0.0
		0.0	-0.07	3.47e-03	0.0	140.0	21.68	6.09	-0.05	0.03	-0.07	10.08
345	113	0.0	0.07	1.30e-03	-2.21	0.0	-24.57	-4.55	0.05	-0.03	0.0	0.0
		-7.92	0.0	-3.60e-03	0.0	140.0	-24.57	-6.76	0.05	-0.03	0.07	-7.92
345	119	2.27	0.0	-5.76e-04	-2.21	0.0	2.17	2.72	-0.49	0.23	0.0	0.0
		0.0	-0.69	0.04	0.0	140.0	2.17	0.52	-0.49	0.23	-0.69	2.27
345	122	0.33	0.69	-4.20e-04	-2.21	0.0	-5.06	1.02	0.49	-0.23	0.0	0.0
		-0.11	0.0	-0.04	0.0	140.0	-5.06	-1.18	0.49	-0.23	0.69	-0.11
345	144	16.02	0.0	-3.40e-03	-2.21	0.0	37.15	12.55	-0.12	0.07	0.0	0.0
		0.0	-0.16	8.53e-03	0.0	140.0	37.15	10.34	-0.12	0.07	-0.16	16.02

345	145	0.0	0.16	2.43e-03	-2.21	0.0	-40.04	-8.80	0.12	-0.07	0.0	0.0
		-13.86	0.0	-8.66e-03	0.0	140.0	-40.04	-11.00	0.12	-0.07	0.16	-13.86
346	2	2.73	0.01	1.34e-03	-8.49	0.0	-4.50	1.13	3.49e-03	2.50e-03	4.21e-03	2.57
		-4.07	4.21e-03	1.09e-03	0.0	213.3	-9.90	-7.36	3.49e-03	2.50e-03	0.01	-4.07
346	7	0.53	2.07e-03	3.46e-04	-1.54	0.0	-0.59	0.10	1.08e-03	3.19e-03	-2.32e-04	0.52
		-0.90	-2.32e-04	1.59e-04	0.0	213.3	-1.57	-1.44	1.08e-03	3.19e-03	2.07e-03	-0.90
346	10	1.88	8.09e-03	9.27e-04	-5.86	0.0	-3.11	0.78	2.41e-03	1.66e-03	2.95e-03	1.77
		-2.81	2.95e-03	7.54e-04	0.0	213.3	-6.84	-5.08	2.41e-03	1.66e-03	8.09e-03	-2.81
346	11	0.48	2.18e-03	3.23e-04	-1.54	0.0	-0.73	0.15	1.01e-03	2.59e-03	2.52e-05	0.46
		-0.87	2.52e-05	1.99e-04	0.0	213.3	-1.71	-1.40	1.01e-03	2.59e-03	2.18e-03	-0.87
346	14	1.13	5.29e-03	5.82e-04	-3.70	0.0	-2.11	0.53	1.54e-03	8.43e-04	2.01e-03	1.05
		-1.78	2.01e-03	5.26e-04	0.0	213.3	-4.47	-3.18	1.54e-03	8.43e-04	5.29e-03	-1.78
346	15	0.43	2.34e-03	2.81e-04	-1.54	0.0	-0.92	0.21	8.36e-04	1.31e-03	5.53e-04	0.40
		-0.81	5.53e-04	2.49e-04	0.0	213.3	-1.90	-1.33	8.36e-04	1.31e-03	2.34e-03	-0.81
346	17	0.41	2.38e-03	2.70e-04	-1.54	0.0	-0.97	0.22	7.92e-04	9.90e-04	6.85e-04	0.38
		-0.79	6.85e-04	2.62e-04	0.0	213.3	-1.95	-1.32	7.92e-04	9.90e-04	2.38e-03	-0.79
346	18	0.84	4.12e-03	4.58e-04	-2.84	0.0	-1.65	0.41	1.24e-03	9.02e-04	1.48e-03	0.78
		-1.38	1.48e-03	4.20e-04	0.0	213.3	-3.46	-2.43	1.24e-03	9.02e-04	4.12e-03	-1.38
346	24	4.16	0.58	1.68e-03	-2.84	0.0	6.84	-2.22	0.53	-0.12	-0.55	4.16
		-3.60	-0.55	-0.03	0.0	213.3	5.03	-5.06	0.53	-0.12	0.58	-3.60
346	25	0.83	0.55	-7.66e-04	-2.84	0.0	-10.15	3.03	-0.53	0.13	0.55	-2.60
		-2.60	-0.57	0.03	0.0	213.3	-11.95	0.19	-0.53	0.13	-0.57	0.83
346	48	5.03	0.19	1.99e-03	-2.84	0.0	8.99	-2.88	0.17	-0.02	-0.18	5.03
		-4.15	-0.18	-9.76e-03	0.0	213.3	7.19	-5.72	0.17	-0.02	0.19	-4.15
346	49	1.38	0.18	-1.08e-03	-2.84	0.0	-12.30	3.69	-0.17	0.02	0.18	-3.47
		-3.47	-0.18	0.01	0.0	213.3	-14.11	0.85	-0.17	0.02	-0.18	1.38
346	64	3.33	0.37	1.38e-03	-2.84	0.0	4.74	-1.57	0.34	-0.08	-0.35	3.33
		-3.05	-0.35	-0.02	0.0	213.3	2.93	-4.41	0.34	-0.08	0.37	-3.05
346	65	0.36	0.36	-4.64e-04	-2.84	0.0	-8.05	2.38	-0.34	0.08	0.36	-1.77
		-1.77	-0.37	0.02	0.0	213.3	-9.85	-0.46	-0.34	0.08	-0.37	0.28
346	80	3.98	0.13	1.61e-03	-2.84	0.0	6.36	-2.07	0.11	-0.01	-0.12	3.98
		-3.46	-0.12	-6.16e-03	0.0	213.3	4.55	-4.91	0.11	-0.01	0.13	-3.46
346	81	0.69	0.12	-6.97e-04	-2.84	0.0	-9.67	2.88	-0.11	0.01	0.12	-2.42
		-2.42	-0.12	6.97e-03	0.0	213.3	-11.47	0.04	-0.11	0.01	-0.12	0.69
346	96	3.04	0.33	1.27e-03	-2.84	0.0	4.01	-1.34	0.30	-0.07	-0.31	3.04
		-2.86	-0.31	-0.02	0.0	213.3	2.21	-4.18	0.30	-0.07	0.33	-2.86
346	97	0.27	0.31	-3.60e-04	-2.84	0.0	-7.32	2.16	-0.29	0.07	0.31	-1.48
		-1.48	-0.32	0.02	0.0	213.3	-9.13	-0.68	-0.29	0.07	-0.32	0.09
346	112	3.62	0.11	1.48e-03	-2.84	0.0	5.45	-1.79	0.10	-9.57e-03	-0.10	3.62
		-3.22	-0.10	-5.31e-03	0.0	213.3	3.65	-4.63	0.10	-9.57e-03	0.11	-3.22
346	113	0.48	0.11	-5.67e-04	-2.84	0.0	-8.76	2.60	-0.10	0.01	0.11	-2.06
		-2.06	-0.10	6.11e-03	0.0	213.3	-10.57	-0.24	-0.10	0.01	-0.10	0.46
346	120	4.86	0.74	1.93e-03	-2.84	0.0	8.60	-2.76	0.68	-0.16	-0.70	4.86
		-4.05	-0.70	-0.04	0.0	213.3	6.79	-5.60	0.68	-0.16	0.74	-4.05
346	121	1.29	0.71	-1.02e-03	-2.84	0.0	-11.90	3.57	-0.67	0.16	0.71	-3.30
		-3.30	-0.73	0.04	0.0	213.3	-13.71	0.73	-0.67	0.16	-0.73	1.29
346	144	5.90	0.23	2.31e-03	-2.84	0.0	11.19	-3.56	0.21	-0.03	-0.22	5.90
		-4.72	-0.22	-0.01	0.0	213.3	9.38	-6.40	0.21	-0.03	0.23	-4.72
346	145	1.95	0.23	-1.39e-03	-2.84	0.0	-14.50	4.37	-0.21	0.03	0.23	-4.34
		-4.34	-0.23	0.01	0.0	213.3	-16.30	1.53	-0.21	0.03	-0.23	1.95
347	2	2.80	4.89e-03	-1.02e-03	-6.60	0.0	-4.40	5.14	3.49e-03	-1.51e-04	0.0	0.0
		0.0	0.0	-1.29e-03	0.0	140.0	-4.40	-1.46	3.49e-03	-1.51e-04	4.89e-03	2.57
347	7	0.55	1.51e-03	-1.25e-04	-1.20	0.0	-0.55	0.97	1.08e-03	2.81e-03	0.0	0.0
		0.0	0.0	-3.09e-04	0.0	140.0	-0.55	-0.23	1.08e-03	2.81e-03	1.51e-03	0.52
347	10	1.93	3.38e-03	-7.02e-04	-4.56	0.0	-3.05	3.55	2.41e-03	-1.82e-04	0.0	0.0
		0.0	0.0	-8.93e-04	0.0	140.0	-3.05	-1.01	2.41e-03	-1.82e-04	3.38e-03	1.77
347	11	0.51	1.41e-03	-1.13e-04	-1.20	0.0	-0.70	0.93	1.01e-03	2.17e-03	0.0	0.0
		0.0	0.0	-3.12e-04	0.0	140.0	-0.70	-0.27	1.01e-03	2.17e-03	1.41e-03	0.46
347	14	1.17	2.15e-03	-4.03e-04	-2.88	0.0	-2.06	2.19	1.54e-03	-3.69e-04	0.0	0.0
		0.0	0.0	-5.90e-04	0.0	140.0	-2.06	-0.69	1.54e-03	-3.69e-04	2.15e-03	1.05
347	15	0.45	1.17e-03	-1.09e-04	-1.20	0.0	-0.89	0.88	8.36e-04	8.09e-04	0.0	0.0
		0.0	0.0	-3.00e-04	0.0	140.0	-0.89	-0.32	8.36e-04	8.09e-04	1.17e-03	0.40
347	17	0.44	1.11e-03	-1.08e-04	-1.20	0.0	-0.94	0.87	7.92e-04	4.67e-04	0.0	0.0
		0.0	0.0	-2.97e-04	0.0	140.0	-0.94	-0.33	7.92e-04	4.67e-04	1.11e-03	0.38
347	18	0.88	1.73e-03	-2.84e-04	-2.21	0.0	-1.61	1.66	1.24e-03	-3.45e-05	0.0	0.0
		0.0	0.0	-4.73e-04	0.0	140.0	-1.61	-0.55	1.24e-03	-3.45e-05	1.73e-03	0.78
347	23	2.04	0.0	-7.55e-04	-2.21	0.0	1.49	2.56	-0.38	0.18	0.0	0.0
		0.0	-0.54	0.03	0.0	140.0	1.49	0.35	-0.38	0.18	-0.54	2.04
347	26	0.18	0.54	1.86e-04	-2.21	0.0	-4.72	0.77	0.39	-0.18	0.0	0.0
		-0.47	0.0	-0.03	0.0	140.0	-4.72	-1.44	0.39	-0.18	0.54	-0.47
347	48	5.03	0.0	-1.35e-03	-2.21	0.0	8.83	4.70	-0.09	0.06	0.0	0.0
		0.0	-0.13	7.31e-03	0.0	140.0	8.83	2.49	-0.09	0.06	-0.13	5.03
347	49	0.0	0.13	7.84e-04	-2.21	0.0	-12.05	-1.37	0.10	-0.06	0.0	0.0
		-3.47	0.0	-8.26e-03	0.0	140.0	-12.05	-3.58	0.10	-0.06	0.13	-3.47
347	63	1.72	0.0	-6.34e-04	-2.21	0.0	0.71	2.33	-0.25	0.12	0.0	0.0

		0.0	-0.34	0.02	0.0	140.0	0.71	0.13	-0.25	0.12	-0.34	1.72
347	66	0.31	0.35	6.57e-05	-2.21	0.0	-3.94	0.99	0.25	-0.12	0.0	0.0
		-0.16	0.0	-0.02	0.0	140.0	-3.94	-1.22	0.25	-0.12	0.35	-0.16
347	80	3.98	0.0	-1.09e-03	-2.21	0.0	6.25	3.95	-0.06	0.04	0.0	0.0
		0.0	-0.08	4.28e-03	0.0	140.0	6.25	1.74	-0.06	0.04	-0.08	3.98
347	81	0.0	0.08	5.18e-04	-2.21	0.0	-9.47	-0.62	0.06	-0.04	0.0	0.0
		-2.42	0.0	-5.23e-03	0.0	140.0	-9.47	-2.83	0.06	-0.04	0.08	-2.42
347	95	1.61	0.0	-5.94e-04	-2.21	0.0	0.44	2.26	-0.21	0.10	0.0	0.0
		0.0	-0.30	0.02	0.0	140.0	0.44	0.05	-0.21	0.10	-0.30	1.61
347	98	0.36	0.30	2.54e-05	-2.21	0.0	-3.67	1.07	0.22	-0.10	0.0	0.0
		-0.05	0.0	-0.02	0.0	140.0	-3.67	-1.14	0.22	-0.10	0.30	-0.05
347	112	3.62	0.0	-9.95e-04	-2.21	0.0	5.36	3.69	-0.05	0.04	0.0	0.0
		0.0	-0.07	3.63e-03	0.0	140.0	5.36	1.48	-0.05	0.04	-0.07	3.62
347	113	0.0	0.07	4.27e-04	-2.21	0.0	-8.59	-0.37	0.05	-0.04	0.0	0.0
		-2.06	0.0	-4.57e-03	0.0	140.0	-8.59	-2.57	0.05	-0.04	0.07	-2.06
347	119	2.30	0.0	-8.52e-04	-2.21	0.0	2.15	2.75	-0.49	0.23	0.0	0.0
		0.0	-0.68	0.04	0.0	140.0	2.15	0.54	-0.49	0.23	-0.68	2.30
347	122	0.11	0.69	2.84e-04	-2.21	0.0	-5.37	0.58	0.49	-0.23	0.0	0.0
		-0.74	0.0	-0.04	0.0	140.0	-5.37	-1.63	0.49	-0.23	0.69	-0.74
347	144	5.90	0.0	-1.57e-03	-2.21	0.0	10.98	5.32	-0.12	0.08	0.0	0.0
		0.0	-0.16	9.19e-03	0.0	140.0	10.98	3.11	-0.12	0.08	-0.16	5.90
347	145	0.0	0.16	1.01e-03	-2.21	0.0	-14.21	-2.00	0.12	-0.08	0.0	0.0
		-4.34	0.0	-0.01	0.0	140.0	-14.21	-4.21	0.12	-0.08	0.16	-4.34
349	2	0.42	1.37e-03	2.11e-03	-8.49	0.0	-18.20	2.94	-7.74e-04	-6.48e-03	1.37e-03	-0.66
		-3.44	-2.81e-04	1.08e-03	0.0	213.3	-23.60	-5.55	-7.74e-04	-6.48e-03	-2.81e-04	-3.44
349	4	0.42	1.51e-03	2.00e-03	-8.02	0.0	-17.13	2.75	-7.37e-04	-6.50e-03	1.51e-03	-0.58
		-3.27	-6.25e-05	9.97e-04	0.0	213.3	-22.24	-5.28	-7.37e-04	-6.50e-03	-6.25e-05	-3.27
349	5	0.23	-1.92e-03	7.65e-04	-2.01	0.0	-3.50	0.31	-9.44e-04	-2.26e-03	-1.92e-03	0.18
		-1.29	-3.93e-03	-2.17e-04	0.0	213.3	-4.78	-1.69	-9.44e-04	-2.26e-03	-3.93e-03	-1.29
349	7	0.27	-1.78e-03	6.59e-04	-1.54	0.0	-2.43	0.12	-9.07e-04	-2.27e-03	-1.78e-03	0.26
		-1.12	-3.72e-03	-3.02e-04	0.0	213.3	-3.41	-1.42	-9.07e-04	-2.27e-03	-3.72e-03	-1.12
349	10	0.29	1.00e-03	1.45e-03	-5.86	0.0	-12.60	2.04	-5.18e-04	-4.47e-03	1.00e-03	-0.47
		-2.37	-1.02e-04	7.59e-04	0.0	213.3	-16.33	-3.82	-5.18e-04	-4.47e-03	-1.02e-04	-2.37
349	11	0.15	-1.19e-03	5.56e-04	-1.54	0.0	-2.80	0.29	-6.32e-04	-1.66e-03	-1.19e-03	0.09
		-0.93	-2.54e-03	-1.08e-04	0.0	213.3	-3.78	-1.25	-6.32e-04	-1.66e-03	-2.54e-03	-0.93
349	14	0.14	1.01e-03	8.39e-04	-3.70	0.0	-8.28	1.43	-1.19e-04	-2.25e-03	1.01e-03	-0.45
		-1.34	7.53e-04	6.36e-04	0.0	213.3	-10.63	-2.27	-1.19e-04	-2.25e-03	7.53e-04	-1.34
349	15	0.05	-8.92e-05	3.91e-04	-1.54	0.0	-3.38	0.56	-1.76e-04	-8.44e-04	-8.92e-05	-0.17
		-0.62	-4.65e-04	2.03e-04	0.0	213.3	-4.36	-0.99	-1.76e-04	-8.44e-04	-4.65e-04	-0.62
349	17	0.04	1.86e-04	3.50e-04	-1.54	0.0	-3.52	0.62	-6.22e-05	-6.40e-04	1.86e-04	-0.23
		-0.55	5.33e-05	2.81e-04	0.0	213.3	-4.50	-0.92	-6.22e-05	-6.40e-04	5.33e-05	-0.55
349	18	0.10	6.79e-04	6.43e-04	-2.84	0.0	-6.37	1.11	-9.66e-05	-1.61e-03	6.79e-04	-0.36
		-1.02	4.73e-04	4.94e-04	0.0	213.3	-8.18	-1.73	-9.66e-05	-1.61e-03	4.73e-04	-1.02
349	24	3.11	0.85	2.79e-03	-2.84	0.0	1.06	-2.48	0.64	-0.12	-0.47	3.11
		-5.22	-0.47	-0.05	0.0	213.3	-0.74	-5.32	0.64	-0.12	0.85	-5.22
349	25	3.18	0.47	-1.50e-03	-2.84	0.0	-13.81	4.70	-0.64	0.11	0.47	-3.83
		-3.83	-0.85	0.05	0.0	213.3	-15.62	1.86	-0.64	0.11	-0.85	3.18
349	48	4.00	0.36	3.38e-03	-2.84	0.0	2.96	-3.38	0.26	-0.02	-0.07	4.00
		-6.25	-0.07	-9.99e-03	0.0	213.3	1.15	-6.22	0.26	-0.02	0.36	-6.25
349	49	4.21	0.07	-2.09e-03	-2.84	0.0	-15.71	5.60	-0.26	0.01	0.07	-4.72
		-4.72	-0.36	0.01	0.0	213.3	-17.52	2.76	-0.26	0.01	-0.36	4.21
349	56	2.24	0.54	2.25e-03	-2.84	0.0	-0.80	-1.58	0.40	-0.07	-0.29	2.24
		-4.16	-0.29	-0.03	0.0	213.3	-2.61	-4.42	0.40	-0.07	0.54	-4.16
349	57	2.11	0.29	-9.68e-04	-2.84	0.0	-11.94	3.79	-0.40	0.07	0.29	-2.96
		-2.96	-0.54	0.03	0.0	213.3	-13.75	0.96	-0.40	0.07	-0.54	2.11
349	80	2.91	0.24	2.70e-03	-2.84	0.0	0.62	-2.26	0.18	-8.28e-03	-0.03	2.91
		-4.93	-0.03	-5.74e-03	0.0	213.3	-1.19	-5.10	0.18	-8.28e-03	0.24	-4.93
349	81	2.89	0.03	-1.41e-03	-2.84	0.0	-13.37	4.47	-0.18	5.07e-03	0.03	-3.63
		-3.63	-0.24	6.31e-03	0.0	213.3	-15.18	1.63	-0.18	5.07e-03	-0.24	2.89
349	88	1.95	0.47	2.07e-03	-2.84	0.0	-1.43	-1.27	0.35	-0.06	-0.25	1.95
		-3.80	-0.25	-0.02	0.0	213.3	-3.24	-4.11	0.35	-0.06	0.47	-3.80
349	89	1.76	0.25	-7.86e-04	-2.84	0.0	-11.31	3.49	-0.35	0.06	0.25	-2.67
		-2.67	-0.47	0.02	0.0	213.3	-13.12	0.65	-0.35	0.06	-0.47	1.76
349	112	2.54	0.21	2.46e-03	-2.84	0.0	-0.17	-1.88	0.16	-7.18e-03	-0.03	2.54
		-4.49	-0.03	-4.92e-03	0.0	213.3	-1.98	-4.72	0.16	-7.18e-03	0.21	-4.49
349	113	2.45	0.03	-1.18e-03	-2.84	0.0	-12.58	4.09	-0.16	3.96e-03	0.03	-3.26
		-3.26	-0.21	5.49e-03	0.0	213.3	-14.39	1.25	-0.16	3.96e-03	-0.21	2.45
349	116	3.64	1.07	3.12e-03	-2.84	0.0	2.20	-3.03	0.81	-0.15	-0.59	3.64
		-5.86	-0.59	-0.06	0.0	213.3	0.39	-5.87	0.81	-0.15	1.07	-5.86
349	117	3.81	0.59	-1.84e-03	-2.84	0.0	-14.95	5.24	-0.81	0.14	0.59	-4.36
		-4.36	-1.07	0.06	0.0	213.3	-16.75	2.41	-0.81	0.14	-1.07	3.81
349	144	4.92	0.45	3.95e-03	-2.84	0.0	4.92	-4.33	0.33	-0.02	-0.09	4.92
		-7.35	-0.09	-0.01	0.0	213.3	3.11	-7.17	0.33	-0.02	0.45	-7.35
349	145	5.30	0.09	-2.66e-03	-2.84	0.0	-17.67	6.54	-0.33	0.02	0.09	-5.64
		-5.64	-0.45	0.01	0.0	213.3	-19.47	3.70	-0.33	0.02	-0.45	5.30

351	2	4.92	-3.71e-03	5.67e-03	-8.49	0.0	-8.76	-0.87	-1.92e-03	-4.88e-03	-3.71e-03	4.92
		-5.97	-7.79e-03	-8.44e-04	0.0	213.3	-14.16	-9.35	-1.92e-03	-4.88e-03	-7.79e-03	-5.97
351	3	1.02	-1.99e-03	1.18e-03	-1.54	0.0	-1.25	-0.33	-9.41e-04	-2.13e-03	-1.99e-03	1.02
		-1.32	-4.00e-03	-5.24e-04	0.0	213.3	-2.23	-1.87	-9.41e-04	-2.13e-03	-4.00e-03	-1.32
351	6	3.95	-4.29e-03	4.52e-03	-6.54	0.0	-6.35	-0.86	-2.12e-03	-5.08e-03	-4.29e-03	3.95
		-4.87	-8.81e-03	-1.04e-03	0.0	213.3	-10.51	-7.41	-2.12e-03	-5.08e-03	-8.81e-03	-4.87
351	7	1.16	-3.03e-03	1.28e-03	-1.54	0.0	-0.92	-0.48	-1.40e-03	-3.07e-03	-3.03e-03	1.16
		-1.51	-6.03e-03	-8.04e-04	0.0	213.3	-1.90	-2.02	-1.40e-03	-3.07e-03	-6.03e-03	-1.51
351	9	0.93	-1.50e-03	1.14e-03	-1.54	0.0	-1.44	-0.24	-7.22e-04	-1.67e-03	-1.50e-03	0.93
		-1.22	-3.04e-03	-3.91e-04	0.0	213.3	-2.42	-1.78	-7.22e-04	-1.67e-03	-3.04e-03	-1.22
351	10	3.40	-2.51e-03	3.91e-03	-5.86	0.0	-6.06	-0.59	-1.30e-03	-3.34e-03	-2.51e-03	3.40
		-4.12	-5.29e-03	-5.73e-04	0.0	213.3	-9.79	-6.46	-1.30e-03	-3.34e-03	-5.29e-03	-4.12
351	11	1.03	-2.20e-03	1.20e-03	-1.54	0.0	-1.22	-0.34	-1.03e-03	-2.30e-03	-2.20e-03	1.03
		-1.35	-4.39e-03	-5.78e-04	0.0	213.3	-2.20	-1.89	-1.03e-03	-2.30e-03	-4.39e-03	-1.35
351	12	2.75	-2.90e-03	3.15e-03	-4.57	0.0	-4.45	-0.59	-1.44e-03	-3.47e-03	-2.90e-03	2.75
		-3.38	-5.97e-03	-7.05e-04	0.0	213.3	-7.36	-5.16	-1.44e-03	-3.47e-03	-5.97e-03	-3.38
351	13	0.79	-4.60e-04	1.04e-03	-1.54	0.0	-1.77	-0.08	-2.60e-04	-7.30e-04	-4.60e-04	0.79
		-1.03	-1.02e-03	-1.10e-04	0.0	213.3	-2.76	-1.63	-2.60e-04	-7.30e-04	-1.02e-03	-1.03
351	14	2.03	-9.65e-04	2.43e-03	-3.70	0.0	-4.08	-0.26	-5.51e-04	-1.56e-03	-9.65e-04	2.03
		-2.48	-2.14e-03	-2.01e-04	0.0	213.3	-6.44	-3.96	-5.51e-04	-1.56e-03	-2.14e-03	-2.48
351	15	0.84	-8.08e-04	1.07e-03	-1.54	0.0	-1.66	-0.13	-4.14e-04	-1.04e-03	-8.08e-04	0.84
		-1.09	-1.69e-03	-2.04e-04	0.0	213.3	-2.64	-1.68	-4.14e-04	-1.04e-03	-1.69e-03	-1.09
351	16	1.58	-1.11e-03	1.90e-03	-2.84	0.0	-3.05	-0.24	-5.89e-04	-1.54e-03	-1.11e-03	1.58
		-1.96	-2.37e-03	-2.58e-04	0.0	213.3	-4.85	-3.08	-5.89e-04	-1.54e-03	-2.37e-03	-1.96
351	17	0.79	-4.60e-04	1.04e-03	-1.54	0.0	-1.77	-0.08	-2.60e-04	-7.30e-04	-4.60e-04	0.79
		-1.03	-1.02e-03	-1.10e-04	0.0	213.3	-2.76	-1.63	-2.60e-04	-7.30e-04	-1.02e-03	-1.03
351	18	1.53	-7.63e-04	1.87e-03	-2.84	0.0	-3.16	-0.19	-4.35e-04	-1.23e-03	-7.63e-04	1.53
		-1.90	-1.69e-03	-1.65e-04	0.0	213.3	-4.97	-3.03	-4.35e-04	-1.23e-03	-1.69e-03	-1.90
351	24	5.58	0.85	4.54e-03	-2.84	0.0	5.18	-4.24	0.64	-0.12	-0.47	5.58
		-6.50	-0.47	-0.05	0.0	213.3	3.38	-7.08	0.64	-0.12	0.85	-6.50
351	25	2.70	0.47	-8.19e-04	-2.84	0.0	-11.50	3.86	-0.64	0.11	0.47	-2.51
		-2.51	-0.85	0.05	0.0	213.3	-13.31	1.02	-0.64	0.11	-0.85	2.70
351	48	7.45	0.36	5.80e-03	-2.84	0.0	8.71	-6.00	0.26	-0.02	-0.07	7.45
		-8.39	-0.07	-0.01	0.0	213.3	6.90	-8.84	0.26	-0.02	0.36	-8.39
351	49	4.59	0.07	-2.06e-03	-2.84	0.0	-15.03	5.62	-0.27	0.01	0.07	-4.38
		-4.38	-0.36	0.01	0.0	213.3	-16.83	2.78	-0.27	0.01	-0.36	4.59
351	56	4.58	0.54	3.89e-03	-2.84	0.0	3.11	-3.24	0.40	-0.07	-0.29	4.58
		-5.35	-0.29	-0.03	0.0	213.3	1.30	-6.08	0.40	-0.07	0.54	-5.35
351	57	1.55	0.29	-2.45e-04	-2.84	0.0	-9.43	2.86	-0.40	0.07	0.29	-1.52
		-1.52	-0.54	0.03	0.0	213.3	-11.23	0.02	-0.40	0.07	-0.54	1.55
351	80	6.08	0.24	4.90e-03	-2.84	0.0	5.90	-4.64	0.18	-8.27e-03	-0.03	6.08
		-6.85	-0.03	-6.06e-03	0.0	213.3	4.10	-7.48	0.18	-8.27e-03	0.24	-6.85
351	81	3.05	0.03	-1.15e-03	-2.84	0.0	-12.22	4.26	-0.18	5.81e-03	0.03	-3.01
		-3.01	-0.25	5.96e-03	0.0	213.3	-14.03	1.42	-0.18	5.81e-03	-0.25	3.05
351	88	4.24	0.47	3.66e-03	-2.84	0.0	2.40	-2.89	0.35	-0.06	-0.25	4.24
		-4.96	-0.25	-0.02	0.0	213.3	0.59	-5.73	0.35	-0.06	0.47	-4.96
351	89	1.20	0.25	-9.00e-05	-2.84	0.0	-8.71	2.51	-0.35	0.06	0.25	-1.17
		-1.17	-0.47	0.02	0.0	213.3	-10.52	-0.33	-0.35	0.06	-0.47	1.16
351	112	5.57	0.21	4.56e-03	-2.84	0.0	4.88	-4.14	0.16	-7.13e-03	-0.03	5.57
		-6.29	-0.03	-5.25e-03	0.0	213.3	3.08	-6.98	0.16	-7.13e-03	0.21	-6.29
351	113	2.49	0.03	-8.23e-04	-2.84	0.0	-11.20	3.76	-0.16	4.67e-03	0.03	-2.50
		-2.50	-0.22	5.14e-03	0.0	213.3	-13.01	0.92	-0.16	4.67e-03	-0.22	2.49
351	116	5.77	1.07	4.66e-03	-2.84	0.0	5.63	-4.47	0.81	-0.15	-0.59	5.77
		-6.79	-0.59	-0.06	0.0	213.3	3.82	-7.31	0.81	-0.15	1.07	-6.79
351	117	2.99	0.59	-9.34e-04	-2.84	0.0	-11.95	4.09	-0.81	0.14	0.59	-2.70
		-2.70	-1.08	0.06	0.0	213.3	-13.75	1.25	-0.81	0.14	-1.08	2.99
351	144	8.53	0.45	6.52e-03	-2.84	0.0	10.94	-7.08	0.33	-0.02	-0.09	8.53
		-9.61	-0.09	-0.01	0.0	213.3	9.13	-9.92	0.33	-0.02	0.45	-9.61
351	145	5.81	0.09	-2.78e-03	-2.84	0.0	-17.26	6.70	-0.33	0.02	0.09	-5.47
		-5.47	-0.45	0.01	0.0	213.3	-19.06	3.86	-0.33	0.02	-0.45	5.81
352	2	0.27	0.02	3.47e-04	-7.54	0.0	-7.60	5.93	-0.01	0.03	0.02	-3.45
		-3.45	0.0	-2.57e-04	0.0	160.0	-7.60	-1.61	-0.01	0.03	0.0	0.0
352	3	6.61e-03	0.01	3.40e-05	-1.37	0.0	-1.13	1.26	-7.19e-03	5.39e-03	0.01	-0.92
		-0.92	0.0	-1.49e-04	0.0	160.0	-1.13	-0.11	-7.19e-03	5.39e-03	0.0	0.0
352	6	0.15	0.03	2.10e-04	-5.82	0.0	-5.57	4.78	-0.02	0.02	0.03	-3.00
		-3.00	0.0	-3.05e-04	0.0	160.0	-5.57	-1.03	-0.02	0.02	0.0	0.0
352	7	0.0	0.02	3.38e-05	-1.37	0.0	-0.91	1.42	-0.01	5.37e-03	0.02	-1.18
		-1.18	0.0	-2.24e-04	0.0	160.0	-0.91	0.05	-0.01	5.37e-03	0.0	0.0
352	9	0.02	9.00e-03	3.49e-05	-1.37	0.0	-1.23	1.19	-5.62e-03	5.44e-03	9.00e-03	-0.80
		-0.80	0.0	-1.14e-04	0.0	160.0	-1.23	-0.19	-5.62e-03	5.44e-03	0.0	0.0
352	10	0.19	0.02	2.44e-04	-5.21	0.0	-5.26	4.09	-9.54e-03	0.02	0.02	-2.37
		-2.37	0.0	-1.75e-04	0.0	160.0	-5.26	-1.12	-9.54e-03	0.02	0.0	0.0
352	11	3.68e-03	0.01	3.28e-05	-1.37	0.0	-1.09	1.29	-7.94e-03	5.43e-03	0.01	-0.97
		-0.97	0.0	-1.64e-04	0.0	160.0	-1.09	-0.08	-7.94e-03	5.43e-03	0.0	0.0
352	12	0.11	0.02	1.52e-04	-4.06	0.0	-3.91	3.32	-0.01	0.02	0.02	-2.07

		-2.07	0.0	-2.06e-04	0.0	160.0	-3.91	-0.74	-0.01	0.02	0.0	0.0
352	13	0.07	3.43e-03	7.52e-05	-1.37	0.0	-1.45	1.03	-2.15e-03	5.46e-03	3.43e-03	-0.54
		-0.54	0.0	-3.88e-05	0.0	160.0	-1.45	-0.35	-2.15e-03	5.46e-03	0.0	0.0
352	14	0.16	6.56e-03	1.81e-04	-3.29	0.0	-3.47	2.48	-4.10e-03	0.01	6.56e-03	-1.33
		-1.33	0.0	-6.97e-05	0.0	160.0	-3.47	-0.81	-4.10e-03	0.01	0.0	0.0
352	15	0.05	5.29e-03	6.10e-05	-1.37	0.0	-1.38	1.08	-3.31e-03	5.45e-03	5.29e-03	-0.63
		-0.63	0.0	-6.37e-05	0.0	160.0	-1.38	-0.29	-3.31e-03	5.45e-03	0.0	0.0
352	16	0.10	7.17e-03	1.24e-04	-2.52	0.0	-2.59	1.95	-4.48e-03	9.86e-03	7.17e-03	-1.10
		-1.10	0.0	-8.21e-05	0.0	160.0	-2.59	-0.57	-4.48e-03	9.86e-03	0.0	0.0
352	17	0.07	3.43e-03	7.52e-05	-1.37	0.0	-1.45	1.03	-2.15e-03	5.46e-03	3.43e-03	-0.54
		-0.54	0.0	-3.88e-05	0.0	160.0	-1.45	-0.35	-2.15e-03	5.46e-03	0.0	0.0
352	18	0.12	5.31e-03	1.38e-04	-2.52	0.0	-2.66	1.90	-3.32e-03	9.86e-03	5.31e-03	-1.02
		-1.02	0.0	-5.74e-05	0.0	160.0	-2.66	-0.63	-3.32e-03	9.86e-03	0.0	0.0
352	44	0.0	0.0	-5.25e-04	-2.52	0.0	4.81	5.59	0.07	0.01	-0.11	-6.93
		-6.93	-0.11	-3.46e-03	0.0	160.0	4.81	3.07	0.07	0.01	0.0	0.0
352	45	4.90	0.12	8.02e-04	-2.52	0.0	-10.13	-1.80	-0.08	6.44e-03	0.12	4.90
		0.0	0.0	3.51e-03	0.0	160.0	-10.13	-4.32	-0.08	6.44e-03	0.0	0.0
352	48	0.0	0.0	-5.43e-04	-2.52	0.0	4.84	5.61	0.07	0.01	-0.11	-6.96
		-6.96	-0.11	-2.74e-03	0.0	160.0	4.84	3.09	0.07	0.01	0.0	0.0
352	49	4.93	0.12	8.20e-04	-2.52	0.0	-10.16	-1.82	-0.07	6.54e-03	0.12	4.93
		0.0	0.0	2.78e-03	0.0	160.0	-10.16	-4.34	-0.07	6.54e-03	0.0	0.0
352	76	0.0	0.0	-3.55e-04	-2.52	0.0	2.93	4.66	0.05	0.01	-0.09	-5.44
		-5.44	-0.09	-2.55e-03	0.0	160.0	2.93	2.14	0.05	0.01	0.0	0.0
352	77	3.41	0.10	6.32e-04	-2.52	0.0	-8.26	-0.87	-0.06	7.31e-03	0.10	3.41
		0.0	0.0	2.59e-03	0.0	160.0	-8.26	-3.39	-0.06	7.31e-03	0.0	0.0
352	80	0.0	0.0	-3.70e-04	-2.52	0.0	2.95	4.67	0.05	0.01	-0.08	-5.46
		-5.46	-0.08	-2.03e-03	0.0	160.0	2.95	2.15	0.05	0.01	0.0	0.0
352	81	3.43	0.09	6.47e-04	-2.52	0.0	-8.27	-0.88	-0.06	7.38e-03	0.09	3.43
		0.0	0.0	2.07e-03	0.0	160.0	-8.27	-3.40	-0.06	7.38e-03	0.0	0.0
352	108	0.0	0.0	-2.99e-04	-2.52	0.0	2.30	4.35	0.05	0.01	-0.08	-4.94
		-4.94	-0.08	-2.25e-03	0.0	160.0	2.30	1.83	0.05	0.01	0.0	0.0
352	109	2.91	0.09	5.76e-04	-2.52	0.0	-7.62	-0.56	-0.05	7.60e-03	0.09	2.91
		0.0	0.0	2.30e-03	0.0	160.0	-7.62	-3.08	-0.05	7.60e-03	0.0	0.0
352	112	0.0	0.0	-3.12e-04	-2.52	0.0	2.31	4.36	0.04	0.01	-0.07	-4.95
		-4.95	-0.07	-1.79e-03	0.0	160.0	2.31	1.83	0.04	0.01	0.0	0.0
352	113	2.92	0.08	5.89e-04	-2.52	0.0	-7.64	-0.57	-0.05	7.66e-03	0.08	2.92
		0.0	0.0	1.84e-03	0.0	160.0	-7.64	-3.09	-0.05	7.66e-03	0.0	0.0
352	140	0.0	0.0	-6.66e-04	-2.52	0.0	6.37	6.37	0.08	0.01	-0.13	-8.17
		-8.17	-0.13	-4.17e-03	0.0	160.0	6.37	3.84	0.08	0.01	0.0	0.0
352	141	6.14	0.14	9.43e-04	-2.52	0.0	-11.69	-2.57	-0.09	5.72e-03	0.14	6.14
		0.0	0.0	4.22e-03	0.0	160.0	-11.69	-5.10	-0.09	5.72e-03	0.0	0.0
352	144	0.0	0.0	-6.86e-04	-2.52	0.0	6.41	6.39	0.08	0.01	-0.13	-8.20
		-8.20	-0.13	-3.29e-03	0.0	160.0	6.41	3.86	0.08	0.01	0.0	0.0
352	145	6.17	0.14	9.63e-04	-2.52	0.0	-11.73	-2.60	-0.09	5.85e-03	0.14	6.17
		0.0	0.0	3.34e-03	0.0	160.0	-11.73	-5.12	-0.09	5.85e-03	0.0	0.0
353	2	0.03	0.03	2.35e-03	-8.71	0.0	-2.38	8.16	-0.02	4.54e-03	0.03	-6.08
		-6.08	0.0	-3.79e-04	0.0	160.0	-2.38	-0.56	-0.02	4.54e-03	0.0	0.0
353	3	0.0	0.02	3.92e-04	-1.53	0.0	-0.71	1.61	-9.66e-03	1.04e-03	0.02	-1.35
		-1.35	0.0	-1.99e-04	0.0	160.0	-0.71	0.08	-9.66e-03	1.04e-03	0.0	0.0
353	6	4.11e-03	0.04	1.77e-03	-6.70	0.0	-2.14	6.45	-0.02	3.70e-03	0.04	-4.96
		-4.96	0.0	-4.30e-04	0.0	160.0	-2.14	-0.25	-0.02	3.70e-03	0.0	0.0
353	9	0.0	0.01	4.13e-04	-1.53	0.0	-0.59	1.55	-7.44e-03	9.96e-04	0.01	-1.25
		-1.25	0.0	-1.51e-04	0.0	160.0	-0.59	0.01	-7.44e-03	9.96e-04	0.0	0.0
353	10	0.02	0.02	1.63e-03	-6.01	0.0	-1.64	5.63	-0.01	3.13e-03	0.02	-4.19
		-4.19	0.0	-2.58e-04	0.0	160.0	-1.64	-0.39	-0.01	3.13e-03	0.0	0.0
353	12	3.64e-03	0.02	1.24e-03	-4.67	0.0	-1.48	4.49	-0.01	2.57e-03	0.02	-3.44
		-3.44	0.0	-2.92e-04	0.0	160.0	-1.48	-0.18	-0.01	2.57e-03	0.0	0.0
353	13	6.46e-03	4.39e-03	4.52e-04	-1.53	0.0	-0.35	1.42	-2.75e-03	8.77e-04	4.39e-03	-1.05
		-1.05	0.0	-5.09e-05	0.0	160.0	-0.35	-0.11	-2.75e-03	8.77e-04	0.0	0.0
353	14	0.02	9.40e-03	1.06e-03	-3.77	0.0	-0.88	3.46	-5.87e-03	1.94e-03	9.40e-03	-2.52
		-2.52	0.0	-1.05e-04	0.0	160.0	-0.88	-0.31	-5.87e-03	1.94e-03	0.0	0.0
353	16	0.01	9.90e-03	8.04e-04	-2.88	0.0	-0.75	2.69	-6.19e-03	1.56e-03	9.90e-03	-2.00
		-2.00	0.0	-1.16e-04	0.0	160.0	-0.75	-0.19	-6.19e-03	1.56e-03	0.0	0.0
353	17	6.46e-03	4.39e-03	4.52e-04	-1.53	0.0	-0.35	1.42	-2.75e-03	8.77e-04	4.39e-03	-1.05
		-1.05	0.0	-5.09e-05	0.0	160.0	-0.35	-0.11	-2.75e-03	8.77e-04	0.0	0.0
353	18	0.01	7.40e-03	8.17e-04	-2.88	0.0	-0.67	2.64	-4.62e-03	1.52e-03	7.40e-03	-1.93
		-1.93	0.0	-8.35e-05	0.0	160.0	-0.67	-0.23	-4.62e-03	1.52e-03	0.0	0.0
353	44	0.0	0.0	5.72e-04	-2.88	0.0	0.51	6.56	0.07	4.45e-03	-0.11	-8.20
		-8.20	-0.11	-3.47e-03	0.0	160.0	0.51	3.69	0.07	4.45e-03	0.0	0.0
353	45	4.34	0.12	1.32e-03	-2.88	0.0	-1.84	-1.28	-0.08	-1.41e-03	0.12	4.34
		0.0	0.0	3.51e-03	0.0	160.0	-1.84	-4.15	-0.08	-1.41e-03	0.0	0.0
353	47	2.50	0.08	1.45e-03	-2.88	0.0	-2.19	-0.13	-0.05	-3.23e-03	0.08	2.50
		0.0	0.0	1.69e-03	0.0	160.0	-2.19	-3.00	-0.05	-3.23e-03	0.0	0.0
353	48	0.0	0.0	5.80e-04	-2.88	0.0	0.46	6.62	0.06	4.37e-03	-0.10	-8.30
		-8.30	-0.10	-2.74e-03	0.0	160.0	0.46	3.75	0.06	4.37e-03	0.0	0.0

353	49	4.44	0.11	1.31e-03	-2.88	0.0	-1.80	-1.34	-0.07	-1.34e-03	0.11	4.44
		0.0	0.0	2.79e-03	0.0	160.0	-1.80	-4.21	-0.07	-1.34e-03	0.0	0.0
353	50	0.0	0.0	4.01e-04	-2.88	0.0	0.86	5.41	0.04	6.27e-03	-0.07	-6.36
		-6.36	-0.07	-1.64e-03	0.0	160.0	0.86	2.54	0.04	6.27e-03	0.0	0.0
353	76	0.0	0.0	5.53e-04	-2.88	0.0	0.27	5.64	0.05	3.70e-03	-0.08	-6.72
		-6.72	-0.08	-2.55e-03	0.0	160.0	0.27	2.76	0.05	3.70e-03	0.0	0.0
353	77	2.86	0.10	1.20e-03	-2.88	0.0	-1.61	-0.35	-0.06	-6.64e-04	0.10	2.86
		0.0	0.0	2.60e-03	0.0	160.0	-1.61	-3.23	-0.06	-6.64e-04	0.0	0.0
353	79	1.58	0.07	1.29e-03	-2.88	0.0	-1.86	0.49	-0.04	-1.99e-03	0.07	1.51
		0.0	0.0	1.27e-03	0.0	160.0	-1.86	-2.38	-0.04	-1.99e-03	0.0	0.0
353	80	0.0	0.0	5.58e-04	-2.88	0.0	0.24	5.68	0.05	3.65e-03	-0.08	-6.79
		-6.79	-0.08	-2.03e-03	0.0	160.0	0.24	2.80	0.05	3.65e-03	0.0	0.0
353	81	2.93	0.09	1.19e-03	-2.88	0.0	-1.58	-0.39	-0.06	-6.14e-04	0.09	2.93
		0.0	0.0	2.08e-03	0.0	160.0	-1.58	-3.27	-0.06	-6.14e-04	0.0	0.0
353	82	0.0	0.0	4.26e-04	-2.88	0.0	0.53	4.79	0.03	5.03e-03	-0.05	-5.37
		-5.37	-0.05	-1.22e-03	0.0	160.0	0.53	1.92	0.03	5.03e-03	0.0	0.0
353	108	0.0	0.0	5.51e-04	-2.88	0.0	0.17	5.30	0.04	3.45e-03	-0.07	-6.18
		-6.18	-0.07	-2.25e-03	0.0	160.0	0.17	2.43	0.04	3.45e-03	0.0	0.0
353	109	2.33	0.09	1.15e-03	-2.88	0.0	-1.51	-0.02	-0.05	-4.15e-04	0.09	2.33
		0.0	0.0	2.30e-03	0.0	160.0	-1.51	-2.89	-0.05	-4.15e-04	0.0	0.0
353	111	1.27	0.06	1.24e-03	-2.88	0.0	-1.73	0.74	-0.04	-1.59e-03	0.06	1.12
		0.0	0.0	1.13e-03	0.0	160.0	-1.73	-2.14	-0.04	-1.59e-03	0.0	0.0
353	112	0.0	0.0	5.56e-04	-2.88	0.0	0.14	5.34	0.04	3.41e-03	-0.07	-6.24
		-6.24	-0.07	-1.79e-03	0.0	160.0	0.14	2.46	0.04	3.41e-03	0.0	0.0
353	113	2.38	0.08	1.15e-03	-2.88	0.0	-1.48	-0.05	-0.05	-3.72e-04	0.08	2.38
		0.0	0.0	1.84e-03	0.0	160.0	-1.48	-2.93	-0.05	-3.72e-04	0.0	0.0
353	114	0.0	0.0	4.39e-04	-2.88	0.0	0.39	4.55	0.03	4.62e-03	-0.05	-4.98
		-4.98	-0.05	-1.08e-03	0.0	160.0	0.39	1.68	0.03	4.62e-03	0.0	0.0
353	140	0.0	0.0	5.92e-04	-2.88	0.0	0.68	7.30	0.08	5.07e-03	-0.13	-9.38
		-9.38	-0.13	-4.18e-03	0.0	160.0	0.68	4.43	0.08	5.07e-03	0.0	0.0
353	141	5.52	0.14	1.41e-03	-2.88	0.0	-2.02	-2.01	-0.09	-2.03e-03	0.14	5.52
		0.0	0.0	4.22e-03	0.0	160.0	-2.02	-4.89	-0.09	-2.03e-03	0.0	0.0
353	143	3.30	0.10	1.57e-03	-2.88	0.0	-2.44	-0.62	-0.06	-4.23e-03	0.10	3.30
		0.0	0.0	2.03e-03	0.0	160.0	-2.44	-3.50	-0.06	-4.23e-03	0.0	0.0
353	144	0.0	0.0	6.02e-04	-2.88	0.0	0.63	7.37	0.07	4.97e-03	-0.12	-9.50
		-9.50	-0.12	-3.29e-03	0.0	160.0	0.63	4.50	0.07	4.97e-03	0.0	0.0
353	145	5.64	0.13	1.40e-03	-2.88	0.0	-1.96	-2.09	-0.08	-1.94e-03	0.13	5.64
		0.0	0.0	3.34e-03	0.0	160.0	-1.96	-4.96	-0.08	-1.94e-03	0.0	0.0
353	146	0.0	0.0	3.93e-04	-2.88	0.0	1.11	5.91	0.05	7.26e-03	-0.08	-7.16
		-7.16	-0.08	-1.98e-03	0.0	160.0	1.11	3.04	0.05	7.26e-03	0.0	0.0
354	1	0.0	0.02	5.37e-04	-1.99	0.0	-0.07	2.66	-0.01	-3.66e-04	0.02	-2.66
		-2.66	0.0	-2.31e-04	0.0	160.0	-0.07	0.67	-0.01	-3.66e-04	0.0	0.0
354	2	0.0	0.03	2.37e-03	-8.71	0.0	1.07	10.46	-0.02	-2.78e-03	0.03	-9.77
		-9.77	0.0	-3.99e-04	0.0	160.0	1.07	1.75	-0.02	-2.78e-03	0.0	0.0
354	6	0.0	0.04	1.78e-03	-6.70	0.0	0.26	8.34	-0.02	-1.88e-03	0.04	-7.98
		-7.98	0.0	-4.58e-04	0.0	160.0	0.26	1.64	-0.02	-1.88e-03	0.0	0.0
354	7	0.0	0.02	3.62e-04	-1.53	0.0	-0.75	2.34	-0.02	-7.15e-05	0.02	-2.52
		-2.52	0.0	-3.22e-04	0.0	160.0	-0.75	0.81	-0.02	-7.15e-05	0.0	0.0
354	9	0.0	0.01	4.18e-04	-1.53	0.0	-0.01	2.01	-7.89e-03	-3.18e-04	0.01	-1.99
		-1.99	0.0	-1.60e-04	0.0	160.0	-0.01	0.48	-7.89e-03	-3.18e-04	0.0	0.0
354	10	0.0	0.02	1.64e-03	-6.01	0.0	0.75	7.22	-0.01	-1.93e-03	0.02	-6.74
		-6.74	0.0	-2.72e-04	0.0	160.0	0.75	1.20	-0.01	-1.93e-03	0.0	0.0
354	11	0.0	0.02	3.93e-04	-1.53	0.0	-0.33	2.16	-0.01	-2.03e-04	0.02	-2.22
		-2.22	0.0	-2.33e-04	0.0	160.0	-0.33	0.62	-0.01	-2.03e-04	0.0	0.0
354	12	0.0	0.03	1.25e-03	-4.67	0.0	0.21	5.80	-0.02	-1.33e-03	0.03	-5.54
		-5.54	0.0	-3.11e-04	0.0	160.0	0.21	1.13	-0.02	-1.33e-03	0.0	0.0
354	13	0.0	4.37e-03	4.56e-04	-1.53	0.0	0.46	1.80	-2.73e-03	-4.91e-04	4.37e-03	-1.65
		-1.65	0.0	-5.06e-05	0.0	160.0	0.46	0.27	-2.73e-03	-4.91e-04	0.0	0.0
354	14	0.0	9.57e-03	1.07e-03	-3.77	0.0	0.84	4.40	-5.98e-03	-1.29e-03	9.57e-03	-4.02
		-4.02	0.0	-1.07e-04	0.0	160.0	0.84	0.63	-5.98e-03	-1.29e-03	0.0	0.0
354	15	0.0	7.12e-03	4.43e-04	-1.53	0.0	0.30	1.87	-4.45e-03	-4.33e-04	7.12e-03	-1.76
		-1.76	0.0	-8.69e-05	0.0	160.0	0.30	0.34	-4.45e-03	-4.33e-04	0.0	0.0
354	16	0.0	0.01	8.09e-04	-2.88	0.0	0.53	3.43	-6.40e-03	-9.16e-04	0.01	-3.19
		-3.19	0.0	-1.21e-04	0.0	160.0	0.53	0.55	-6.40e-03	-9.16e-04	0.0	0.0
354	17	0.0	4.37e-03	4.56e-04	-1.53	0.0	0.46	1.80	-2.73e-03	-4.91e-04	4.37e-03	-1.65
		-1.65	0.0	-5.06e-05	0.0	160.0	0.46	0.27	-2.73e-03	-4.91e-04	0.0	0.0
354	18	0.0	7.49e-03	8.22e-04	-2.88	0.0	0.69	3.36	-4.68e-03	-9.73e-04	7.49e-03	-3.07
		-3.07	0.0	-8.47e-05	0.0	160.0	0.69	0.48	-4.68e-03	-9.73e-04	0.0	0.0
354	44	0.0	0.0	5.32e-04	-2.88	0.0	-5.74	5.87	0.07	1.96e-03	-0.10	-7.09
		-7.09	-0.10	-3.47e-03	0.0	160.0	-5.74	3.00	0.07	1.96e-03	0.0	0.0
354	45	1.15	0.12	1.28e-03	-2.88	0.0	7.12	0.84	-0.07	-3.90e-03	0.12	0.95
		0.0	0.0	3.51e-03	0.0	160.0	7.12	-2.03	-0.07	-3.90e-03	0.0	0.0
354	48	0.0	0.0	5.37e-04	-2.88	0.0	-5.79	5.90	0.06	1.89e-03	-0.10	-7.13
		-7.13	-0.10	-2.74e-03	0.0	160.0	-5.79	3.02	0.06	1.89e-03	0.0	0.0
354	49	1.17	0.11	1.27e-03	-2.88	0.0	7.17	0.82	-0.07	-3.83e-03	0.11	0.99

		0.0	0.0	2.79e-03	0.0	160.0	7.17	-2.06	-0.07	-3.83e-03	0.0	0.0
354	76	0.0	0.0	5.44e-04	-2.88	0.0	-4.19	5.27	0.05	1.21e-03	-0.08	-6.13
		-6.13	-0.08	-2.55e-03	0.0	160.0	-4.19	2.39	0.05	1.21e-03	0.0	0.0
354	77	0.57	0.09	1.17e-03	-2.88	0.0	5.56	1.45	-0.06	-3.15e-03	0.09	-0.01
		-0.01	0.0	2.60e-03	0.0	160.0	5.56	-1.43	-0.06	-3.15e-03	0.0	0.0
354	80	0.0	0.0	5.47e-04	-2.88	0.0	-4.22	5.29	0.05	1.16e-03	-0.07	-6.16
		-6.16	-0.07	-2.03e-03	0.0	160.0	-4.22	2.41	0.05	1.16e-03	0.0	0.0
354	81	0.58	0.09	1.17e-03	-2.88	0.0	5.59	1.43	-0.06	-3.11e-03	0.09	0.01
		0.0	0.0	2.08e-03	0.0	160.0	5.59	-1.45	-0.06	-3.11e-03	0.0	0.0
354	108	0.0	0.0	5.53e-04	-2.88	0.0	-3.64	5.05	0.04	9.61e-04	-0.07	-5.79
		-5.79	-0.07	-2.25e-03	0.0	160.0	-3.64	2.18	0.04	9.61e-04	0.0	0.0
354	109	0.41	0.08	1.13e-03	-2.88	0.0	5.02	1.66	-0.05	-2.91e-03	0.08	-0.36
		-0.36	0.0	2.30e-03	0.0	160.0	5.02	-1.21	-0.05	-2.91e-03	0.0	0.0
354	112	0.0	0.0	5.56e-04	-2.88	0.0	-3.67	5.07	0.04	9.21e-04	-0.06	-5.81
		-5.81	-0.06	-1.79e-03	0.0	160.0	-3.67	2.19	0.04	9.21e-04	0.0	0.0
354	113	0.42	0.08	1.13e-03	-2.88	0.0	5.04	1.65	-0.05	-2.87e-03	0.08	-0.33
		-0.33	0.0	1.84e-03	0.0	160.0	5.04	-1.23	-0.05	-2.87e-03	0.0	0.0
354	140	0.0	0.0	5.33e-04	-2.88	0.0	-7.02	6.36	0.08	2.57e-03	-0.13	-7.87
		-7.87	-0.13	-4.18e-03	0.0	160.0	-7.02	3.48	0.08	2.57e-03	0.0	0.0
354	141	1.76	0.14	1.37e-03	-2.88	0.0	8.39	0.36	-0.09	-4.52e-03	0.14	1.72
		0.0	0.0	4.22e-03	0.0	160.0	8.39	-2.52	-0.09	-4.52e-03	0.0	0.0
354	144	0.0	0.0	5.38e-04	-2.88	0.0	-7.07	6.39	0.07	2.49e-03	-0.12	-7.92
		-7.92	-0.12	-3.29e-03	0.0	160.0	-7.07	3.51	0.07	2.49e-03	0.0	0.0
354	145	1.80	0.13	1.36e-03	-2.88	0.0	8.45	0.33	-0.08	-4.43e-03	0.13	1.77
		0.0	0.0	3.34e-03	0.0	160.0	8.45	-2.55	-0.08	-4.43e-03	0.0	0.0
355	2	10.15	2.27e-03	-5.63e-03	-19.80	0.0	-3.63	6.33	-9.98e-04	5.07e-03	2.27e-03	5.23
		-12.14	-2.59e-03	7.19e-04	0.0	486.5	7.95	-13.47	-9.98e-04	5.07e-03	-2.59e-03	-12.14
355	4	9.60	2.36e-03	-5.33e-03	-18.72	0.0	-3.46	5.98	-1.06e-03	5.31e-03	2.36e-03	4.95
		-11.48	-2.81e-03	6.47e-04	0.0	486.5	7.49	-12.74	-1.06e-03	5.31e-03	-2.81e-03	-11.48
355	6	8.12	1.57e-03	-4.44e-03	-15.27	0.0	-4.84	4.72	-1.54e-03	4.52e-03	1.57e-03	4.57
		-9.60	-5.92e-03	8.11e-04	0.0	486.5	4.08	-10.54	-1.54e-03	4.52e-03	-5.92e-03	-9.60
355	7	2.38	1.29e-04	-1.20e-03	-3.60	0.0	-4.05	0.89	-1.45e-03	1.94e-03	1.29e-04	1.84
		-2.59	-6.93e-03	7.54e-04	0.0	486.5	-1.95	-2.71	-1.45e-03	1.94e-03	-6.93e-03	-2.59
355	10	7.00	1.58e-03	-3.89e-03	-13.68	0.0	-2.45	4.38	-6.66e-04	3.49e-03	1.58e-03	3.60
		-8.38	-1.66e-03	5.00e-04	0.0	486.5	5.55	-9.30	-6.66e-04	3.49e-03	-1.66e-03	-8.38
355	11	2.17	8.71e-05	-1.13e-03	-3.60	0.0	-2.85	0.98	-9.24e-04	1.25e-03	8.71e-05	1.53
		-2.45	-4.41e-03	5.22e-04	0.0	486.5	-0.74	-2.62	-9.24e-04	1.25e-03	-4.41e-03	-2.45
355	12	5.65	1.11e-03	-3.10e-03	-10.66	0.0	-3.26	3.31	-1.03e-03	3.13e-03	1.11e-03	3.16
		-6.68	-3.88e-03	5.43e-04	0.0	486.5	2.97	-7.35	-1.03e-03	3.13e-03	-3.88e-03	-6.68
355	14	4.30	9.53e-04	-2.41e-03	-8.64	0.0	-0.67	2.83	1.56e-05	1.48e-03	8.77e-04	2.04
		-5.19	8.77e-04	4.12e-04	0.0	486.5	4.38	-5.81	1.56e-05	1.48e-03	9.53e-04	-5.19
355	15	1.88	1.32e-04	-1.03e-03	-3.60	0.0	-0.87	1.14	-1.13e-04	3.61e-04	1.32e-04	1.01
		-2.23	-4.19e-04	1.77e-04	0.0	486.5	1.24	-2.46	-1.13e-04	3.61e-04	-4.19e-04	-2.23
355	16	3.37	5.72e-04	-1.87e-03	-6.63	0.0	-1.05	2.13	-1.58e-04	1.17e-03	5.72e-04	1.70
		-4.04	-1.94e-04	2.96e-04	0.0	486.5	2.83	-4.49	-1.58e-04	1.17e-03	-1.94e-04	-4.04
355	17	1.81	5.78e-04	-1.01e-03	-3.60	0.0	-0.37	1.17	8.93e-05	1.39e-04	1.43e-04	0.88
		-2.17	1.43e-04	2.13e-04	0.0	486.5	1.73	-2.43	8.93e-05	1.39e-04	5.78e-04	-2.17
355	18	3.30	8.03e-04	-1.85e-03	-6.63	0.0	-0.55	2.17	4.51e-05	9.45e-04	5.84e-04	1.58
		-3.98	5.84e-04	3.33e-04	0.0	486.5	3.32	-4.45	4.51e-05	9.45e-04	8.03e-04	-3.98
355	28	3.17	0.36	-1.72e-03	-6.63	0.0	0.28	2.24	0.20	0.12	-0.59	1.33
		-3.85	-0.59	0.03	0.0	486.5	4.15	-4.38	0.20	0.12	0.36	-3.85
355	29	3.43	0.59	-1.98e-03	-6.63	0.0	-1.38	2.10	-0.20	-0.12	0.59	1.82
		-4.11	-0.36	-0.03	0.0	486.5	2.49	-4.53	-0.20	-0.12	-0.36	-4.11
355	48	3.05	0.05	-1.65e-03	-6.63	0.0	1.45	2.36	0.08	0.02	-0.24	1.01
		-3.63	-0.24	0.02	0.0	486.5	5.33	-4.27	0.08	0.02	0.05	-3.63
355	49	3.58	0.25	-2.05e-03	-6.63	0.0	-2.56	1.98	-0.08	-0.02	0.25	2.14
		-4.34	-0.05	-0.02	0.0	486.5	1.32	-4.64	-0.08	-0.02	-0.05	-4.34
355	52	3.31	0.23	-1.82e-03	-6.63	0.0	-0.64	2.17	0.12	0.07	-0.37	1.59
		-4.00	-0.37	0.02	0.0	486.5	3.23	-4.46	0.12	0.07	0.23	-4.00
355	53	3.30	0.37	-1.88e-03	-6.63	0.0	-0.46	2.17	-0.12	-0.07	0.37	1.56
		-3.96	-0.23	-0.02	0.0	486.5	3.41	-4.45	-0.12	-0.07	-0.23	-3.96
355	80	3.09	0.02	-1.69e-03	-6.63	0.0	1.07	2.32	0.05	9.99e-03	-0.16	1.11
		-3.69	-0.16	0.02	0.0	486.5	4.94	-4.30	0.05	9.99e-03	0.02	-3.69
355	81	3.53	0.16	-2.01e-03	-6.63	0.0	-2.17	2.02	-0.05	-8.10e-03	0.16	2.04
		-4.27	-0.02	-0.02	0.0	486.5	1.70	-4.61	-0.05	-8.10e-03	-0.02	-4.27
355	84	3.31	0.20	-1.82e-03	-6.63	0.0	-0.63	2.17	0.11	0.06	-0.32	1.59
		-4.00	-0.32	0.02	0.0	486.5	3.24	-4.46	0.11	0.06	0.20	-4.00
355	85	3.30	0.32	-1.88e-03	-6.63	0.0	-0.47	2.17	-0.11	-0.06	0.32	1.56
		-3.97	-0.20	-0.02	0.0	486.5	3.40	-4.45	-0.11	-0.06	-0.20	-3.97
355	112	3.11	0.02	-1.70e-03	-6.63	0.0	0.89	2.30	0.05	8.52e-03	-0.14	1.16
		-3.73	-0.14	0.02	0.0	486.5	4.77	-4.32	0.05	8.52e-03	0.02	-3.73
355	113	3.50	0.14	-2.00e-03	-6.63	0.0	-2.00	2.04	-0.05	-6.63e-03	0.14	1.99
		-4.24	-0.02	-0.02	0.0	486.5	1.88	-4.59	-0.05	-6.63e-03	-0.02	-4.24
355	124	3.14	0.46	-1.69e-03	-6.63	0.0	0.45	2.26	0.25	0.15	-0.76	1.28
		-3.82	-0.76	0.04	0.0	486.5	4.32	-4.37	0.25	0.15	0.46	-3.82

355	125	3.46	0.76	-2.01e-03	-6.63	0.0	-1.55	2.09	-0.25	-0.15	0.76	1.87
		-4.14	-0.46	-0.04	0.0	486.5	2.32	-4.54	-0.25	-0.15	-0.46	-4.14
355	144	3.02	0.07	-1.61e-03	-6.63	0.0	1.73	2.38	0.10	0.03	-0.31	0.93
		-3.58	-0.31	0.03	0.0	486.5	5.60	-4.24	0.10	0.03	0.07	-3.58
355	145	3.62	0.31	-2.09e-03	-6.63	0.0	-2.83	1.96	-0.10	-0.03	0.31	2.22
		-4.39	-0.07	-0.03	0.0	486.5	1.04	-4.67	-0.10	-0.03	-0.07	-4.39
357	2	4.11	0.03	-1.59e-04	-0.08	0.0	6.23e-03	41.09	0.34	0.66	0.0	0.0
		0.0	0.0	-6.85e-05	0.0	10.0	6.23e-03	41.01	0.34	0.66	0.03	4.11
357	7	0.42	4.96e-03	-9.42e-06	-0.06	0.0	-1.63e-03	4.24	0.05	0.11	0.0	0.0
		0.0	0.0	-2.30e-06	0.0	10.0	-1.63e-03	4.18	0.05	0.11	4.96e-03	0.42
357	10	2.85	0.02	-1.10e-04	-0.06	0.0	4.36e-03	28.54	0.24	0.46	0.0	0.0
		0.0	0.0	-4.76e-05	0.0	10.0	4.36e-03	28.48	0.24	0.46	0.02	2.85
357	11	0.57	5.43e-03	-1.82e-05	-0.06	0.0	-4.77e-04	5.73	0.05	0.11	0.0	0.0
		0.0	0.0	-6.84e-06	0.0	10.0	-4.77e-04	5.67	0.05	0.11	5.43e-03	0.57
357	14	1.95	0.02	-7.81e-05	-0.06	0.0	3.73e-03	19.49	0.15	0.29	0.0	0.0
		0.0	0.0	-3.43e-05	0.0	10.0	3.73e-03	19.43	0.15	0.29	0.02	1.95
357	15	0.81	6.19e-03	-3.20e-05	-0.06	0.0	1.31e-03	8.09	0.06	0.12	0.0	0.0
		0.0	0.0	-1.39e-05	0.0	10.0	1.31e-03	8.03	0.06	0.12	6.19e-03	0.81
357	17	0.86	6.38e-03	-3.55e-05	-0.06	0.0	1.76e-03	8.68	0.06	0.12	0.0	0.0
		0.0	0.0	-1.56e-05	0.0	10.0	1.76e-03	8.62	0.06	0.12	6.38e-03	0.86
357	18	1.51	0.01	-6.10e-05	-0.06	0.0	2.94e-03	15.17	0.12	0.22	0.0	0.0
		0.0	0.0	-2.68e-05	0.0	10.0	2.94e-03	15.11	0.12	0.22	0.01	1.51
357	19	1.39	9.77e-03	-3.16e-05	-0.06	0.0	3.67	13.97	0.10	0.22	0.0	0.0
		0.0	0.0	5.35e-05	0.0	10.0	3.67	13.91	0.10	0.22	9.77e-03	1.39
357	22	1.63	0.01	-9.05e-05	-0.06	0.0	-3.66	16.37	0.14	0.22	0.0	0.0
		0.0	0.0	-1.07e-04	0.0	10.0	-3.66	16.31	0.14	0.22	0.01	1.63
357	44	0.18	0.03	4.04e-05	-0.06	0.0	1.00	1.85	0.31	0.19	0.0	0.0
		0.0	0.0	8.32e-06	0.0	10.0	1.00	1.79	0.31	0.19	0.03	0.18
357	45	2.85	0.0	-1.62e-04	-0.06	0.0	-1.00	28.48	-0.07	0.25	0.0	0.0
		0.0	-7.39e-03	-6.19e-05	0.0	10.0	-1.00	28.42	-0.07	0.25	-7.39e-03	2.85
357	49	2.86	0.0	-1.63e-04	-0.06	0.0	-0.69	28.65	-0.07	0.25	0.0	0.0
		0.0	-7.38e-03	-6.20e-05	0.0	10.0	-0.69	28.59	-0.07	0.25	-7.38e-03	2.86
357	55	1.58	8.85e-03	-4.59e-05	-0.06	0.0	2.97	15.81	0.09	0.23	0.0	0.0
		0.0	0.0	2.88e-05	0.0	10.0	2.97	15.74	0.09	0.23	8.85e-03	1.58
357	58	1.45	0.01	-7.62e-05	-0.06	0.0	-2.97	14.53	0.15	0.22	0.0	0.0
		0.0	0.0	-8.24e-05	0.0	10.0	-2.97	14.47	0.15	0.22	0.01	1.45
357	76	0.45	0.03	1.68e-05	-0.06	0.0	0.82	4.50	0.27	0.20	0.0	0.0
		0.0	0.0	2.38e-06	0.0	10.0	0.82	4.43	0.27	0.20	0.03	0.45
357	77	2.58	0.0	-1.39e-04	-0.06	0.0	-0.81	25.84	-0.03	0.24	0.0	0.0
		0.0	-3.00e-03	-5.60e-05	0.0	10.0	-0.81	25.78	-0.03	0.24	-3.00e-03	2.58
357	81	2.59	0.0	-1.40e-04	-0.06	0.0	-0.52	25.96	-0.03	0.24	0.0	0.0
		0.0	-2.99e-03	-5.60e-05	0.0	10.0	-0.52	25.90	-0.03	0.24	-2.99e-03	2.59
357	87	1.57	9.16e-03	-4.77e-05	-0.06	0.0	2.67	15.75	0.09	0.22	0.0	0.0
		0.0	0.0	2.25e-05	0.0	10.0	2.67	15.69	0.09	0.22	9.16e-03	1.57
357	90	1.46	0.01	-7.44e-05	-0.06	0.0	-2.67	14.59	0.14	0.22	0.0	0.0
		0.0	0.0	-7.62e-05	0.0	10.0	-2.67	14.53	0.14	0.22	0.01	1.46
357	108	0.56	0.02	8.05e-06	-0.06	0.0	0.74	5.68	0.25	0.20	0.0	0.0
		0.0	0.0	0.0	0.0	10.0	0.74	5.62	0.25	0.20	0.02	0.56
357	109	2.46	0.0	-1.30e-04	-0.06	0.0	-0.73	24.66	-0.01	0.24	0.0	0.0
		0.0	-1.38e-03	-5.28e-05	0.0	10.0	-0.73	24.60	-0.01	0.24	-1.38e-03	2.46
357	113	2.47	0.0	-1.31e-04	-0.06	0.0	-0.46	24.77	-0.01	0.24	0.0	0.0
		0.0	-1.38e-03	-5.28e-05	0.0	10.0	-0.46	24.71	-0.01	0.24	-1.38e-03	2.47
357	115	1.36	9.41e-03	-2.54e-05	-0.06	0.0	4.24	13.65	0.09	0.22	0.0	0.0
		0.0	0.0	7.05e-05	0.0	10.0	4.24	13.59	0.09	0.22	9.41e-03	1.36
357	118	1.67	0.01	-9.67e-05	-0.06	0.0	-4.24	16.68	0.14	0.22	0.0	0.0
		0.0	0.0	-1.24e-04	0.0	10.0	-4.24	16.62	0.14	0.22	0.01	1.67
357	140	0.0	0.03	5.93e-05	-0.06	0.0	1.15	-0.07	0.35	0.19	0.0	0.0
		-9.66e-03	0.0	1.20e-05	0.0	10.0	1.15	-0.13	0.35	0.19	0.03	-9.66e-03
357	141	3.04	0.0	-1.81e-04	-0.06	0.0	-1.15	30.40	-0.11	0.25	0.0	0.0
		0.0	-0.01	-6.56e-05	0.0	10.0	-1.15	30.34	-0.11	0.25	-0.01	3.04
357	144	0.0	0.03	6.06e-05	-0.06	0.0	0.81	-0.27	0.35	0.19	0.0	0.0
		-0.03	0.0	1.21e-05	0.0	10.0	0.81	-0.33	0.35	0.19	0.03	-0.03
357	145	3.06	0.0	-1.83e-04	-0.06	0.0	-0.81	30.61	-0.11	0.25	0.0	0.0
		0.0	-0.01	-6.57e-05	0.0	10.0	-0.81	30.55	-0.11	0.25	-0.01	3.06
358	2	23.40	4.07	-1.25e-03	-0.95	0.0	-5.69e-03	16.57	3.38	0.02	0.02	4.09
		4.09	0.02	-5.87e-04	0.0	120.0	-5.69e-03	15.62	3.38	0.02	4.07	23.40
358	3	2.65	1.06	-1.54e-04	-0.73	0.0	-1.84e-03	2.07	0.88	2.84e-03	3.38e-03	0.60
		0.60	3.38e-03	-4.27e-05	0.0	120.0	-1.84e-03	1.34	0.88	2.84e-03	1.06	2.65
358	7	0.97	1.25	-7.10e-05	-0.73	0.0	-2.44e-03	0.82	1.03	2.22e-03	3.93e-03	0.42
		0.42	3.93e-03	4.39e-05	0.0	120.0	-2.44e-03	0.09	1.03	2.22e-03	1.25	0.97
358	9	3.52	0.97	-1.97e-04	-0.73	0.0	-1.53e-03	2.72	0.80	3.16e-03	3.04e-03	0.69
		0.69	3.04e-03	-7.14e-05	0.0	120.0	-1.53e-03	1.99	0.80	3.16e-03	0.97	3.52
358	10	16.27	2.81	-8.70e-04	-0.73	0.0	-3.92e-03	11.56	2.33	0.01	0.01	2.84
		2.84	0.01	-4.10e-04	0.0	120.0	-3.92e-03	10.83	2.33	0.01	2.81	16.27
358	11	2.40	1.09	-1.42e-04	-0.73	0.0	-1.93e-03	1.89	0.91	2.74e-03	3.41e-03	0.57

		0.57	3.41e-03	-3.59e-05	0.0	120.0	-1.93e-03	1.16	0.91	2.74e-03	1.09	2.40
358	13	5.19	0.78	-2.79e-04	-0.73	0.0	-9.30e-04	3.98	0.65	3.78e-03	2.49e-03	0.86
		0.86	2.49e-03	-1.43e-04	0.0	120.0	-9.30e-04	3.25	0.65	3.78e-03	0.78	5.19
358	14	11.57	1.70	-6.16e-04	-0.73	0.0	-2.13e-03	8.39	1.41	9.15e-03	6.93e-03	1.94
		1.94	6.93e-03	-3.13e-04	0.0	120.0	-2.13e-03	7.66	1.41	9.15e-03	1.70	11.57
358	15	4.63	0.84	-2.52e-04	-0.73	0.0	-1.13e-03	3.56	0.70	3.57e-03	2.67e-03	0.80
		0.80	2.67e-03	-1.18e-04	0.0	120.0	-1.13e-03	2.83	0.70	3.57e-03	0.84	4.63
358	17	5.19	0.78	-2.79e-04	-0.73	0.0	-9.30e-04	3.98	0.65	3.78e-03	2.49e-03	0.86
		0.86	2.49e-03	-1.43e-04	0.0	120.0	-9.30e-04	3.25	0.65	3.78e-03	0.78	5.19
358	18	9.02	1.33	-4.81e-04	-0.73	0.0	-1.65e-03	6.63	1.10	7.00e-03	5.16e-03	1.51
		1.51	5.16e-03	-2.45e-04	0.0	120.0	-1.65e-03	5.90	1.10	7.00e-03	1.33	9.02
358	23	5.37	3.25	-3.04e-04	-0.73	0.0	1.49	3.59	2.68	4.92e-03	-0.12	1.56
		1.56	-0.12	-8.68e-05	0.0	120.0	1.49	2.86	2.68	4.92e-03	3.25	5.37
358	26	12.67	0.13	-6.59e-04	-0.73	0.0	-1.50	9.67	-0.47	9.08e-03	0.13	1.45
		1.45	-0.59	-4.61e-04	0.0	120.0	-1.50	8.94	-0.47	9.08e-03	-0.59	12.67
358	48	0.17	7.61	3.80e-04	-0.73	0.0	0.29	-7.11	6.33	-8.41e-04	0.04	0.17
		-8.58	0.04	5.74e-04	0.0	120.0	0.29	-7.84	6.33	-8.41e-04	7.61	-8.58
358	49	26.62	-0.03	-1.34e-03	-0.73	0.0	-0.29	20.36	-4.12	0.01	-0.03	2.85
		2.85	-4.95	-1.06e-03	0.0	120.0	-0.29	19.63	-4.12	0.01	-4.95	26.62
358	55	6.44	2.75	-3.56e-04	-0.73	0.0	1.18	4.46	2.28	5.49e-03	-0.09	1.57
		1.57	-0.09	-1.17e-04	0.0	120.0	1.18	3.73	2.28	5.49e-03	2.75	6.44
358	58	11.60	0.10	-6.07e-04	-0.73	0.0	-1.18	8.80	-0.07	8.51e-03	0.10	1.44
		1.44	-0.09	-4.01e-04	0.0	120.0	-1.18	8.07	-0.07	8.51e-03	-0.09	11.60
358	80	0.43	6.04	1.77e-04	-0.73	0.0	0.21	-3.84	5.02	1.09e-03	0.03	0.43
		-4.43	0.03	3.74e-04	0.0	120.0	0.21	-4.57	5.02	1.09e-03	6.04	-4.43
358	81	22.48	-0.02	-1.14e-03	-0.73	0.0	-0.22	17.09	-2.81	0.01	-0.02	2.58
		2.58	-3.38	-8.64e-04	0.0	120.0	-0.22	16.36	-2.81	0.01	-3.38	22.48
358	87	6.74	2.59	-3.71e-04	-0.73	0.0	1.06	4.71	2.14	5.66e-03	-0.07	1.57
		1.57	-0.07	-1.28e-04	0.0	120.0	1.06	3.98	2.14	5.66e-03	2.59	6.74
358	90	11.30	0.09	-5.92e-04	-0.73	0.0	-1.06	8.54	0.07	8.33e-03	0.09	1.45
		1.45	0.07	-3.83e-04	0.0	120.0	-1.06	7.81	0.07	8.33e-03	0.07	11.30
358	112	0.55	5.51	1.03e-04	-0.73	0.0	0.19	-2.66	4.58	1.75e-03	0.03	0.55
		-2.92	0.03	3.04e-04	0.0	120.0	0.19	-3.39	4.58	1.75e-03	5.51	-2.92
358	113	20.96	-0.02	-1.07e-03	-0.73	0.0	-0.19	15.91	-2.37	0.01	-0.02	2.46
		2.46	-2.84	-7.94e-04	0.0	120.0	-0.19	15.18	-2.37	0.01	-2.84	20.96
358	119	4.52	3.64	-2.62e-04	-0.73	0.0	1.75	2.89	3.01	4.48e-03	-0.14	1.55
		1.55	-0.14	-6.73e-05	0.0	120.0	1.75	2.16	3.01	4.48e-03	3.64	4.52
358	122	13.53	0.15	-7.00e-04	-0.73	0.0	-1.75	10.37	-0.80	9.52e-03	0.15	1.47
		1.47	-0.98	-5.08e-04	0.0	120.0	-1.75	9.63	-0.80	9.52e-03	-0.98	13.53
358	144	-0.03	8.92	5.42e-04	-0.73	0.0	0.34	-9.74	7.42	-2.42e-03	0.05	-0.03
		-11.89	0.05	7.37e-04	0.0	120.0	0.34	-10.47	7.42	-2.42e-03	8.92	-11.89
358	145	29.94	-0.04	-1.50e-03	-0.73	0.0	-0.35	23.00	-5.21	0.02	-0.04	3.04
		3.04	-6.26	-1.23e-03	0.0	120.0	-0.35	22.26	-5.21	0.02	-6.26	29.94
359	2	23.45	4.06	-8.88e-06	-0.16	0.0	-8.42e-03	0.33	-5.11	-0.16	4.06	23.40
		23.40	3.04	-5.61e-06	0.0	20.0	-8.42e-03	0.17	-5.11	-0.16	3.04	23.45
359	7	1.34	1.25	-1.44e-06	-0.12	0.0	-7.18e-04	1.93	-7.20	0.07	1.25	0.97
		0.97	-0.19	3.47e-05	0.0	20.0	-7.18e-04	1.81	-7.20	0.07	-0.19	1.34
359	10	16.30	2.81	-6.17e-06	-0.12	0.0	-5.85e-03	0.21	-3.44	-0.11	2.81	16.27
		16.27	2.12	-4.22e-06	0.0	20.0	-5.85e-03	0.09	-3.44	-0.11	2.12	16.30
359	11	2.64	1.10	-1.48e-06	-0.12	0.0	-1.09e-03	1.28	-4.81	0.04	1.10	2.40
		2.40	0.13	2.13e-05	0.0	20.0	-1.09e-03	1.16	-4.81	0.04	0.13	2.64
359	14	11.57	1.70	-4.20e-06	-0.12	0.0	-4.06e-03	-0.30	-0.36	-0.10	1.70	11.57
		11.50	1.62	-1.19e-05	0.0	20.0	-4.06e-03	-0.42	-0.36	-0.10	1.62	11.50
359	15	4.67	0.84	-1.84e-06	-0.12	0.0	-1.68e-03	0.24	-1.05	-0.02	0.84	4.63
		4.63	0.63	0.0	0.0	20.0	-1.68e-03	0.11	-1.05	-0.02	0.63	4.67
359	17	5.19	0.78	-1.94e-06	-0.12	0.0	-1.82e-03	-0.03	-0.10	-0.04	0.78	5.19
		5.18	0.75	-5.35e-06	0.0	20.0	-1.82e-03	-0.15	-0.10	-0.04	0.75	5.18
359	18	9.02	1.33	-3.30e-06	-0.12	0.0	-3.16e-03	-0.19	-0.26	-0.08	1.33	9.02
		8.97	1.28	-9.26e-06	0.0	20.0	-3.16e-03	-0.31	-0.26	-0.08	1.28	8.97
359	20	-1.07	6.19	-2.44e-06	-0.12	0.0	-1.06	6.30	-16.46	0.12	6.19	-2.31
		-2.31	0.73	2.06e-04	0.0	20.0	-1.06	6.18	-16.46	0.12	0.73	-1.07
359	21	20.35	1.82	-6.23e-06	-0.12	0.0	1.06	-6.68	15.94	-0.27	-3.53	20.35
		19.01	-3.53	-2.24e-04	0.0	20.0	1.06	-6.80	15.94	-0.27	1.82	19.01
359	48	-6.75	7.65	-5.30e-06	-0.12	0.0	-0.27	9.32	-27.24	0.32	7.65	-8.58
		-8.58	-2.30	2.63e-04	0.0	20.0	-0.27	9.19	-27.24	0.32	-2.30	-6.75
359	49	26.62	4.85	-7.44e-06	-0.12	0.0	0.27	-9.70	26.72	-0.47	-4.99	26.62
		24.69	-4.99	-2.81e-04	0.0	20.0	0.27	-9.82	26.72	-0.47	4.85	24.69
359	52	1.48	4.95	-1.60e-06	-0.12	0.0	-0.82	4.65	-12.35	0.07	4.95	0.57
		0.57	0.89	1.51e-04	0.0	20.0	-0.82	4.53	-12.35	0.07	0.89	1.48
359	53	17.48	1.66	-5.48e-06	-0.12	0.0	0.81	-5.03	11.84	-0.22	-2.30	17.48
		16.46	-2.30	-1.69e-04	0.0	20.0	0.81	-5.15	11.84	-0.22	1.66	16.46
359	80	-3.06	6.06	-3.94e-06	-0.12	0.0	-0.20	7.02	-21.06	0.23	6.06	-4.43
		-4.43	-1.64	1.92e-04	0.0	20.0	-0.20	6.90	-21.06	0.23	-1.64	-3.06
359	81	22.48	4.19	-6.42e-06	-0.12	0.0	0.19	-7.40	20.54	-0.38	-3.41	22.48
		21.00	-3.41	-2.11e-04	0.0	20.0	0.19	-7.52	20.54	-0.38	4.19	21.00

359	84	2.33	4.54	-1.60e-06	-0.12	0.0	-0.73	4.10	-10.98	0.06	4.54	1.52
		1.52	0.94	1.33e-04	0.0	20.0	-0.73	3.98	-10.98	0.06	0.94	2.33
359	85	16.52	1.61	-5.24e-06	-0.12	0.0	0.73	-4.48	10.47	-0.21	-1.89	16.52
		15.61	-1.89	-1.51e-04	0.0	20.0	0.73	-4.60	10.47	-0.21	1.61	15.61
359	112	-1.70	5.53	-3.40e-06	-0.12	0.0	-0.18	6.21	-18.73	0.20	5.53	-2.92
		-2.92	-1.32	1.70e-04	0.0	20.0	-0.18	6.08	-18.73	0.20	-1.32	-1.70
359	113	20.96	3.87	-6.06e-06	-0.12	0.0	0.17	-6.59	18.21	-0.35	-2.87	20.96
		19.65	-2.87	-1.88e-04	0.0	20.0	0.17	-6.71	18.21	-0.35	3.87	19.65
359	116	-3.13	7.20	-3.12e-06	-0.12	0.0	-1.26	7.64	-19.76	0.16	7.20	-4.63
		-4.63	0.60	2.51e-04	0.0	20.0	-1.26	7.51	-19.76	0.16	0.60	-3.13
359	117	22.68	1.95	-6.83e-06	-0.12	0.0	1.25	-8.02	19.24	-0.31	-4.54	22.68
		21.07	-4.54	-2.69e-04	0.0	20.0	1.25	-8.14	19.24	-0.31	1.95	21.07
359	144	-9.69	8.97	-6.34e-06	-0.12	0.0	-0.33	11.18	-32.09	0.38	8.97	-11.90
		-11.90	-2.77	3.22e-04	0.0	20.0	-0.33	11.06	-32.09	0.38	-2.77	-9.69
359	145	29.94	5.32	-8.28e-06	-0.12	0.0	0.32	-11.56	31.58	-0.53	-6.31	29.94
		27.64	-6.31	-3.40e-04	0.0	20.0	0.32	-11.68	31.58	-0.53	5.32	27.64
360	2	10.25	7.44e-04	-6.52e-03	-19.80	0.0	0.41	6.96	-1.90e-03	3.53e-03	7.44e-04	4.33
		-9.97	-8.49e-03	9.35e-04	0.0	486.5	11.99	-12.84	-1.90e-03	3.53e-03	-8.49e-03	-9.97
360	6	8.27	7.11e-04	-5.06e-03	-15.27	0.0	-2.73	5.11	-2.14e-03	3.76e-03	7.11e-04	4.13
		-8.15	-9.68e-03	1.00e-03	0.0	486.5	6.20	-10.16	-2.14e-03	3.76e-03	-9.68e-03	-8.15
360	7	2.58	3.59e-04	1.31e-03	-3.60	0.0	-4.99	0.84	-1.45e-03	2.34e-03	3.59e-04	2.10
		-2.57	-6.71e-03	6.36e-04	0.0	486.5	-2.89	-2.76	-1.45e-03	2.34e-03	-6.71e-03	-2.57
360	10	7.08	5.09e-04	-4.51e-03	-13.68	0.0	0.36	4.82	-1.29e-03	2.41e-03	5.09e-04	2.97
		-6.88	-5.77e-03	6.38e-04	0.0	486.5	8.35	-8.87	-1.29e-03	2.41e-03	-5.77e-03	-6.88
360	11	2.23	2.58e-04	-1.18e-03	-3.60	0.0	-2.85	1.02	-1.05e-03	1.69e-03	2.58e-04	1.54
		-2.27	-4.83e-03	4.73e-04	0.0	486.5	-0.75	-2.58	-1.05e-03	1.69e-03	-4.83e-03	-2.27
360	12	5.75	4.87e-04	-3.54e-03	-10.66	0.0	-1.74	3.58	-1.45e-03	2.56e-03	4.87e-04	2.84
		-5.66	-6.56e-03	6.83e-04	0.0	486.5	4.49	-7.08	-1.45e-03	2.56e-03	-6.56e-03	-5.66
360	14	4.27	2.31e-04	-2.78e-03	-8.64	0.0	1.99	3.19	-5.08e-04	9.99e-04	2.31e-04	1.42
		-4.10	-2.24e-03	2.91e-04	0.0	486.5	7.04	-5.46	-5.08e-04	9.99e-04	-2.24e-03	-4.10
360	15	1.82	1.05e-04	-1.10e-03	-3.60	0.0	0.38	1.29	-3.86e-04	6.39e-04	1.05e-04	0.70
		-1.80	-1.77e-03	2.04e-04	0.0	486.5	2.49	-2.32	-3.86e-04	6.39e-04	-1.77e-03	-1.80
360	16	3.34	2.04e-04	-2.11e-03	-6.63	0.0	0.86	2.39	-5.58e-04	1.01e-03	2.04e-04	1.26
		-3.25	-2.51e-03	2.95e-04	0.0	486.5	4.73	-4.24	-5.58e-04	1.01e-03	-2.51e-03	-3.25
360	17	1.73	6.73e-05	-1.08e-03	-3.60	0.0	1.19	1.35	-2.21e-04	3.78e-04	6.73e-05	0.49
		-1.68	-1.01e-03	1.39e-04	0.0	486.5	3.30	-2.25	-2.21e-04	3.78e-04	-1.01e-03	-1.68
360	18	3.26	1.65e-04	-2.10e-03	-6.63	0.0	1.67	2.45	-3.93e-04	7.51e-04	1.65e-04	1.05
		-3.14	-1.75e-03	2.30e-04	0.0	486.5	5.54	-4.17	-3.93e-04	7.51e-04	-1.75e-03	-3.14
360	28	6.32	0.36	3.14e-03	-6.63	0.0	-17.13	0.85	0.20	0.12	-0.59	6.06
		-5.94	-0.59	0.03	0.0	486.5	-13.26	-5.78	0.20	0.12	0.36	-5.94
360	29	2.09	0.59	-2.17e-03	-6.63	0.0	20.47	4.06	-0.20	-0.12	0.59	-3.96
		-3.96	-0.37	-0.03	0.0	486.5	24.35	-2.57	-0.20	-0.12	-0.37	-0.33
360	48	8.35	0.16	4.25e-03	-6.63	0.0	-25.61	0.13	0.08	0.02	-0.24	8.35
		-7.12	-0.24	0.01	0.0	486.5	-21.73	-6.49	0.08	0.02	0.16	-7.12
360	49	2.09	0.24	-2.75e-03	-6.63	0.0	28.94	4.77	-0.08	-0.02	0.24	-6.26
		-6.26	-0.16	-0.01	0.0	486.5	32.82	-1.85	-0.08	-0.02	-0.16	0.85
360	52	5.25	0.23	-2.51e-03	-6.63	0.0	-11.75	1.31	0.12	0.07	-0.37	4.62
		-5.14	-0.37	0.02	0.0	486.5	-7.88	-5.32	0.12	0.07	0.23	-5.14
360	53	2.22	0.37	-2.02e-03	-6.63	0.0	15.09	3.60	-0.12	-0.07	0.37	-2.52
		-2.52	-0.23	-0.02	0.0	486.5	18.96	-3.03	-0.12	-0.07	-0.23	-1.14
360	80	6.78	0.10	3.46e-03	-6.63	0.0	-19.11	0.69	0.05	0.01	-0.16	6.62
		-6.16	-0.16	9.37e-03	0.0	486.5	-15.23	-5.94	0.05	0.01	0.10	-6.16
360	81	2.01	0.16	-2.28e-03	-6.63	0.0	22.44	4.22	-0.05	-8.59e-03	0.16	-4.52
		-4.52	-0.11	-9.06e-03	0.0	486.5	26.32	-2.41	-0.05	-8.59e-03	-0.11	-0.11
360	84	4.96	0.20	-2.45e-03	-6.63	0.0	-10.23	1.44	0.11	0.06	-0.32	4.21
		-4.91	-0.32	0.02	0.0	486.5	-6.36	-5.19	0.11	0.06	0.20	-4.91
360	85	2.29	0.32	-2.00e-03	-6.63	0.0	13.57	3.47	-0.11	-0.06	0.32	-2.12
		-2.12	-0.20	-0.02	0.0	486.5	17.44	-3.16	-0.11	-0.06	-0.20	-1.36
360	112	6.28	0.09	3.17e-03	-6.63	0.0	-16.76	0.88	0.05	8.58e-03	-0.14	5.99
		-5.82	-0.14	8.24e-03	0.0	486.5	-12.89	-5.74	0.05	8.58e-03	0.09	-5.82
360	113	2.03	0.14	-2.15e-03	-6.63	0.0	20.10	4.02	-0.05	-7.08e-03	0.14	-3.90
		-3.90	-0.09	-7.93e-03	0.0	486.5	23.98	-2.61	-0.05	-7.08e-03	-0.09	-0.45
360	124	7.18	0.46	3.61e-03	-6.63	0.0	-21.03	0.51	0.25	0.15	-0.76	7.09
		-6.53	-0.76	0.04	0.0	486.5	-17.16	-6.11	0.25	0.15	0.46	-6.53
360	125	2.08	0.76	-2.38e-03	-6.63	0.0	24.37	4.39	-0.25	-0.15	0.76	-4.99
		-4.99	-0.46	-0.04	0.0	486.5	28.24	-2.23	-0.25	-0.15	-0.46	0.25
360	144	9.75	0.20	4.89e-03	-6.63	0.0	-30.84	-0.31	0.10	0.03	-0.31	9.75
		-7.89	-0.31	0.02	0.0	486.5	-26.97	-6.94	0.10	0.03	0.20	-7.89
360	145	2.34	0.31	-3.25e-03	-6.63	0.0	34.18	5.22	-0.10	-0.03	0.31	-7.65
		-7.65	-0.20	-0.02	0.0	486.5	38.05	-1.41	-0.10	-0.03	-0.20	1.62
361	2	0.0	0.04	7.57e-04	-7.54	0.0	-3.36	10.96	-0.02	-0.03	0.04	-11.49
		-11.49	0.0	-4.35e-04	0.0	160.0	-3.36	3.41	-0.02	-0.03	0.0	0.0
361	4	0.0	0.04	7.13e-04	-7.13	0.0	-3.35	10.36	-0.02	-0.03	0.04	-10.87
		-10.87	0.0	-4.21e-04	0.0	160.0	-3.35	3.23	-0.02	-0.03	0.0	0.0
361	5	0.0	0.03	2.14e-04	-1.78	0.0	-6.79	2.94	-0.02	-5.87e-03	0.03	-3.27

		-3.27	0.0	-4.04e-04	0.0	160.0	-6.79	1.15	-0.02	-5.87e-03	0.0	0.0
361	6	0.0	0.04	6.02e-04	-5.82	0.0	-6.31	8.66	-0.03	-0.02	0.04	-9.20
		-9.20	0.0	-5.23e-04	0.0	160.0	-6.31	2.85	-0.03	-0.02	0.0	0.0
361	10	0.0	0.02	5.23e-04	-5.21	0.0	-2.22	7.56	-0.02	-0.02	0.02	-7.93
		-7.93	0.0	-2.95e-04	0.0	160.0	-2.22	2.35	-0.02	-0.02	0.0	0.0
361	11	0.0	0.02	1.62e-04	-1.37	0.0	-4.51	2.22	-0.01	-4.61e-03	0.02	-2.45
		-2.45	0.0	-2.75e-04	0.0	160.0	-4.51	0.84	-0.01	-4.61e-03	0.0	0.0
361	12	0.0	0.03	4.20e-04	-4.06	0.0	-4.19	6.03	-0.02	-0.01	0.03	-6.40
		-6.40	0.0	-3.54e-04	0.0	160.0	-4.19	1.97	-0.02	-0.01	0.0	0.0
361	14	0.0	9.05e-03	3.27e-04	-3.29	0.0	0.30	4.68	-5.65e-03	-0.01	9.05e-03	-4.85
		-4.85	0.0	-1.01e-04	0.0	160.0	0.30	1.39	-5.65e-03	-0.01	0.0	0.0
361	15	0.0	7.35e-03	1.47e-04	-1.37	0.0	-0.84	2.01	-4.59e-03	-5.13e-03	7.35e-03	-2.11
		-2.11	0.0	-8.98e-05	0.0	160.0	-0.84	0.63	-4.59e-03	-5.13e-03	0.0	0.0
361	16	0.0	0.01	2.57e-04	-2.52	0.0	-0.70	3.64	-6.55e-03	-9.53e-03	0.01	-3.81
		-3.81	0.0	-1.24e-04	0.0	160.0	-0.70	1.12	-6.55e-03	-9.53e-03	0.0	0.0
361	17	0.0	3.82e-03	1.44e-04	-1.37	0.0	0.07	1.95	-2.39e-03	-5.26e-03	3.82e-03	-2.03
		-2.03	0.0	-4.36e-05	0.0	160.0	0.07	0.58	-2.39e-03	-5.26e-03	0.0	0.0
361	18	0.0	6.95e-03	2.54e-04	-2.52	0.0	0.21	3.59	-4.35e-03	-9.66e-03	6.95e-03	-3.72
		-3.72	0.0	-7.79e-05	0.0	160.0	0.21	1.07	-4.35e-03	-9.66e-03	0.0	0.0
361	28	0.0	0.0	2.77e-04	-2.52	0.0	0.45	3.97	0.04	-5.40e-03	-0.06	-4.33
		-4.33	-0.06	-2.49e-03	0.0	160.0	0.45	1.44	0.04	-5.40e-03	0.0	0.0
361	39	0.0	0.06	2.57e-04	-2.52	0.0	0.81	3.40	-0.04	-0.01	0.06	-3.42
		-3.42	0.0	1.77e-03	0.0	160.0	0.81	0.87	-0.04	-0.01	0.0	0.0
361	42	0.0	0.0	2.53e-04	-2.52	0.0	-0.38	3.78	0.03	-7.21e-03	-0.05	-4.03
		-4.03	-0.05	-1.72e-03	0.0	160.0	-0.38	1.26	0.03	-7.21e-03	0.0	0.0
361	44	0.0	0.0	2.84e-04	-2.52	0.0	-0.17	4.03	0.06	-4.68e-03	-0.10	-4.43
		-4.43	-0.10	-3.47e-03	0.0	160.0	-0.17	1.51	0.06	-4.68e-03	0.0	0.0
361	45	0.0	0.11	2.27e-04	-2.52	0.0	0.59	3.15	-0.07	-0.01	0.11	-3.01
		-3.01	0.0	3.51e-03	0.0	160.0	0.59	0.62	-0.07	-0.01	0.0	0.0
361	48	0.0	0.0	2.86e-04	-2.52	0.0	-0.14	4.05	0.06	-4.63e-03	-0.09	-4.46
		-4.46	-0.09	-2.74e-03	0.0	160.0	-0.14	1.52	0.06	-4.63e-03	0.0	0.0
361	60	0.0	0.0	2.70e-04	-2.52	0.0	0.38	3.87	0.03	-6.54e-03	-0.04	-4.17
		-4.17	-0.04	-1.83e-03	0.0	160.0	0.38	1.34	0.03	-6.54e-03	0.0	0.0
361	71	0.0	0.05	2.57e-04	-2.52	0.0	0.67	3.44	-0.03	-0.01	0.05	-3.49
		-3.49	0.0	1.31e-03	0.0	160.0	0.67	0.92	-0.03	-0.01	0.0	0.0
361	74	0.0	0.0	2.53e-04	-2.52	0.0	-0.25	3.74	0.02	-7.80e-03	-0.03	-3.96
		-3.96	-0.03	-1.27e-03	0.0	160.0	-0.25	1.21	0.02	-7.80e-03	0.0	0.0
361	76	0.0	0.0	2.77e-04	-2.52	0.0	-0.09	3.92	0.05	-5.96e-03	-0.07	-4.25
		-4.25	-0.07	-2.55e-03	0.0	160.0	-0.09	1.40	0.05	-5.96e-03	0.0	0.0
361	77	0.0	0.09	2.33e-04	-2.52	0.0	0.52	3.26	-0.06	-0.01	0.09	-3.19
		-3.19	0.0	2.60e-03	0.0	160.0	0.52	0.73	-0.06	-0.01	0.0	0.0
361	80	0.0	0.0	2.78e-04	-2.52	0.0	-0.07	3.93	0.04	-5.93e-03	-0.07	-4.27
		-4.27	-0.07	-2.03e-03	0.0	160.0	-0.07	1.41	0.04	-5.93e-03	0.0	0.0
361	92	0.0	0.0	2.68e-04	-2.52	0.0	0.36	3.83	0.02	-6.90e-03	-0.04	-4.12
		-4.12	-0.04	-1.62e-03	0.0	160.0	0.36	1.31	0.02	-6.90e-03	0.0	0.0
361	103	0.0	0.04	2.56e-04	-2.52	0.0	0.62	3.46	-0.03	-0.01	0.04	-3.52
		-3.52	0.0	1.17e-03	0.0	160.0	0.62	0.94	-0.03	-0.01	0.0	0.0
361	106	0.0	0.0	2.53e-04	-2.52	0.0	-0.20	3.72	0.02	-8.01e-03	-0.03	-3.93
		-3.93	-0.03	-1.12e-03	0.0	160.0	-0.20	1.20	0.02	-8.01e-03	0.0	0.0
361	108	0.0	0.0	2.74e-04	-2.52	0.0	-0.06	3.88	0.04	-6.38e-03	-0.07	-4.19
		-4.19	-0.07	-2.25e-03	0.0	160.0	-0.06	1.36	0.04	-6.38e-03	0.0	0.0
361	109	0.0	0.08	2.35e-04	-2.52	0.0	0.49	3.30	-0.05	-0.01	0.08	-3.25
		-3.25	0.0	2.30e-03	0.0	160.0	0.49	0.77	-0.05	-0.01	0.0	0.0
361	112	0.0	0.0	2.75e-04	-2.52	0.0	-0.04	3.89	0.04	-6.36e-03	-0.06	-4.21
		-4.21	-0.06	-1.79e-03	0.0	160.0	-0.04	1.37	0.04	-6.36e-03	0.0	0.0
361	124	0.0	0.0	2.82e-04	-2.52	0.0	0.50	4.05	0.04	-4.51e-03	-0.07	-4.46
		-4.46	-0.07	-2.99e-03	0.0	160.0	0.50	1.52	0.04	-4.51e-03	0.0	0.0
361	135	0.0	0.07	2.58e-04	-2.52	0.0	0.92	3.36	-0.04	-0.01	0.07	-3.36
		-3.36	0.0	2.12e-03	0.0	160.0	0.92	0.84	-0.04	-0.01	0.0	0.0
361	138	0.0	0.0	2.53e-04	-2.52	0.0	-0.50	3.82	0.04	-6.71e-03	-0.06	-4.09
		-4.09	-0.06	-2.08e-03	0.0	160.0	-0.50	1.29	0.04	-6.71e-03	0.0	0.0
361	140	0.0	0.0	2.90e-04	-2.52	0.0	-0.23	4.12	0.07	-3.65e-03	-0.12	-4.58
		-4.58	-0.12	-4.18e-03	0.0	160.0	-0.23	1.60	0.07	-3.65e-03	0.0	0.0
361	141	0.0	0.13	2.23e-04	-2.52	0.0	0.65	3.06	-0.08	-0.02	0.13	-2.87
		-2.87	0.0	4.22e-03	0.0	160.0	0.65	0.53	-0.08	-0.02	0.0	0.0
361	144	0.0	0.0	2.92e-04	-2.52	0.0	-0.19	4.14	0.07	-3.58e-03	-0.11	-4.61
		-4.61	-0.11	-3.29e-03	0.0	160.0	-0.19	1.62	0.07	-3.58e-03	0.0	0.0
362	2	36.73	1.07	-1.97e-03	-0.95	0.0	8.19e-03	26.67	1.12	0.03	-0.27	5.30
		5.30	-0.27	-1.73e-03	0.0	120.0	8.19e-03	25.72	1.12	0.03	1.07	36.73
362	6	27.80	1.79	-1.50e-03	-0.95	0.0	3.81e-03	20.31	1.76	0.02	-0.33	4.00
		4.00	-0.33	-2.00e-03	0.0	120.0	3.81e-03	19.36	1.76	0.02	1.79	27.80
362	7	5.96	1.80	-3.46e-04	-0.73	0.0	-2.30e-03	4.64	1.70	5.44e-03	-0.24	0.83
		0.83	-0.24	-1.43e-03	0.0	120.0	-2.30e-03	3.91	1.70	5.44e-03	1.80	5.96
362	8	25.51	1.89	-1.37e-03	-0.73	0.0	2.40e-03	18.56	1.84	0.02	-0.31	3.67
		3.67	-0.31	-1.94e-03	0.0	120.0	2.40e-03	17.83	1.84	0.02	1.89	25.51

362	10	25.45	0.72	-1.36e-03	-0.73	0.0	5.86e-03	18.51	0.75	0.02	-0.18	3.67
		3.67	-0.18	-1.17e-03	0.0	120.0	5.86e-03	17.78	0.75	0.02	0.72	25.45
362	11	6.46	1.14	-3.70e-04	-0.73	0.0	-1.83e-04	4.99	1.09	5.40e-03	-0.17	0.91
		0.91	-0.17	-1.02e-03	0.0	120.0	-1.83e-04	4.26	1.09	5.40e-03	1.14	6.46
362	12	19.49	1.20	-1.05e-03	-0.73	0.0	2.95e-03	14.27	1.18	0.02	-0.22	2.80
		2.80	-0.22	-1.36e-03	0.0	120.0	2.95e-03	13.54	1.18	0.02	1.20	19.49
362	13	7.39	-0.03	-4.10e-04	-0.73	0.0	3.75e-03	5.64	-0.08	5.50e-03	-0.03	1.05
		1.05	-0.13	-1.91e-04	0.0	120.0	3.75e-03	4.91	-0.08	5.50e-03	-0.13	7.39
362	14	16.69	-0.07	-8.98e-04	-0.73	0.0	5.99e-03	12.27	-0.02	0.01	-0.07	2.41
		2.41	-0.09	-4.33e-04	0.0	120.0	5.99e-03	11.54	-0.02	0.01	-0.09	16.69
362	15	7.20	0.12	-4.02e-04	-0.73	0.0	2.97e-03	5.51	0.15	5.48e-03	-0.06	1.03
		1.03	-0.06	-3.56e-04	0.0	120.0	2.97e-03	4.78	0.15	5.48e-03	0.12	7.20
362	16	12.79	0.15	-6.95e-04	-0.73	0.0	4.31e-03	9.49	0.19	0.01	-0.08	1.84
		1.84	-0.08	-5.02e-04	0.0	120.0	4.31e-03	8.76	0.19	0.01	0.15	12.79
362	17	7.39	-0.03	-4.10e-04	-0.73	0.0	3.75e-03	5.64	-0.08	5.50e-03	-0.03	1.05
		1.05	-0.13	-1.91e-04	0.0	120.0	3.75e-03	4.91	-0.08	5.50e-03	-0.13	7.39
362	18	12.97	-0.05	-7.03e-04	-0.73	0.0	5.09e-03	9.62	-0.04	0.01	-0.05	1.87
		1.87	-0.10	-3.36e-04	0.0	120.0	5.09e-03	8.89	-0.04	0.01	-0.10	12.97
362	19	11.51	1.15	-6.58e-04	-0.73	0.0	2.13	8.49	-2.26	0.01	0.14	1.61
		1.61	0.14	1.02e-03	0.0	120.0	2.13	7.76	-2.26	0.01	1.15	11.51
362	22	14.44	-0.25	-7.48e-04	-0.73	0.0	-2.12	10.76	2.17	7.79e-03	-0.25	2.12
		2.12	-1.35	-1.69e-03	0.0	120.0	-2.12	10.02	2.17	7.79e-03	-1.35	14.44
362	32	9.24	2.98	-5.80e-04	-0.73	0.0	1.17	6.71	-0.87	0.02	0.09	1.47
		1.47	0.09	-5.73e-05	0.0	120.0	1.17	5.98	-0.87	0.02	2.98	9.24
362	48	8.09	3.78	-5.32e-04	-0.73	0.0	-0.68	5.79	2.11	0.03	-0.49	1.53
		1.53	-0.49	-2.04e-03	0.0	120.0	-0.68	5.06	2.11	0.03	3.78	8.09
362	49	17.85	0.38	-8.74e-04	-0.73	0.0	0.69	13.46	-2.19	-6.55e-03	0.38	2.20
		2.20	-3.98	1.37e-03	0.0	120.0	0.69	12.72	-2.19	-6.55e-03	-3.98	17.85
362	51	11.91	0.82	-6.71e-04	-0.73	0.0	1.55	8.80	-1.70	0.01	0.07	1.70
		1.70	0.07	7.09e-04	0.0	120.0	1.55	8.07	-1.70	0.01	0.82	11.91
362	54	14.03	-0.17	-7.35e-04	-0.73	0.0	-1.54	10.44	1.61	8.49e-03	-0.17	2.03
		2.03	-1.03	-1.38e-03	0.0	120.0	-1.54	9.71	1.61	8.49e-03	-1.03	14.03
362	56	10.26	2.17	-6.13e-04	-0.73	0.0	1.03	7.50	-0.62	0.02	0.02	1.60
		1.60	0.02	5.05e-05	0.0	120.0	1.03	6.77	-0.62	0.02	2.17	10.26
362	80	9.26	2.82	-5.71e-04	-0.73	0.0	-0.50	6.70	1.61	0.02	-0.41	1.62
		1.62	-0.41	-1.91e-03	0.0	120.0	-0.50	5.97	1.61	0.02	2.82	9.26
362	81	16.69	0.31	-8.35e-04	-0.73	0.0	0.51	12.54	-1.69	-3.02e-03	0.31	2.11
		2.11	-3.03	1.24e-03	0.0	120.0	0.51	11.81	-1.69	-3.02e-03	-3.03	16.69
362	83	12.03	0.72	-6.75e-04	-0.73	0.0	1.37	8.89	-1.51	0.01	0.05	1.72
		1.72	0.05	5.96e-04	0.0	120.0	1.37	8.16	-1.51	0.01	0.72	12.03
362	86	13.91	-0.16	-7.31e-04	-0.73	0.0	-1.36	10.35	1.42	8.72e-03	-0.16	2.01
		2.01	-0.92	-1.27e-03	0.0	120.0	-1.36	9.62	1.42	8.72e-03	-0.92	13.91
362	88	10.57	1.92	-6.23e-04	-0.73	0.0	0.91	7.74	-0.55	0.02	0.01	1.64
		1.64	0.01	-4.08e-05	0.0	120.0	0.91	7.01	-0.55	0.02	1.92	10.57
362	112	9.67	2.49	-5.86e-04	-0.73	0.0	-0.44	7.03	1.42	0.02	-0.37	1.65
		1.65	-0.37	-1.75e-03	0.0	120.0	-0.44	6.30	1.42	0.02	2.49	9.67
362	113	16.27	0.27	-8.20e-04	-0.73	0.0	0.45	12.21	-1.51	-1.53e-03	0.27	2.08
		2.08	-2.70	1.08e-03	0.0	120.0	0.45	11.48	-1.51	-1.53e-03	-2.70	16.27
362	115	11.19	1.41	-6.47e-04	-0.73	0.0	2.58	8.24	-2.72	0.01	0.20	1.54
		1.54	0.20	1.27e-03	0.0	120.0	2.58	7.51	-2.72	0.01	1.41	11.19
362	118	14.75	-0.30	-7.58e-04	-0.73	0.0	-2.57	11.00	2.63	7.19e-03	-0.30	2.19
		2.19	-1.61	-1.95e-03	0.0	120.0	-2.57	10.27	2.63	7.19e-03	-1.61	14.75
362	128	8.48	3.62	-5.55e-04	-0.73	0.0	1.43	6.11	-1.06	0.02	0.15	1.38
		1.38	0.15	2.17e-04	0.0	120.0	1.43	5.38	-1.06	0.02	3.62	8.48
362	144	7.14	4.57	-5.01e-04	-0.73	0.0	-0.82	5.05	2.52	0.03	-0.54	1.45
		1.45	-0.54	-2.04e-03	0.0	120.0	-0.82	4.32	2.52	0.03	4.57	7.14
362	145	18.80	0.43	-9.05e-04	-0.73	0.0	0.83	14.19	-2.60	-9.27e-03	0.43	2.28
		2.28	-4.78	1.36e-03	0.0	120.0	0.83	13.46	-2.60	-9.27e-03	-4.78	18.80
365	1	8.81	0.92	-6.42e-06	-0.16	0.0	-8.87e-03	9.68e-03	0.04	-0.05	0.92	8.81
		8.80	0.92	-1.46e-04	0.0	20.0	-8.87e-03	-0.15	0.04	-0.05	0.92	8.80
365	2	36.73	1.81	-1.64e-05	-0.16	0.0	-0.01	-1.88	3.92	-0.17	1.03	36.73
		36.34	1.03	-2.64e-04	0.0	20.0	-0.01	-2.04	3.92	-0.17	1.81	36.34
365	7	6.08	1.77	-5.08e-06	-0.12	0.0	-0.02	0.64	-1.43	-0.05	1.77	5.96
		5.96	1.48	-1.98e-04	0.0	20.0	-0.02	0.52	-1.43	-0.05	1.48	6.08
365	8	25.51	2.10	-1.19e-05	-0.12	0.0	-0.02	-0.68	1.29	-0.13	1.84	25.51
		25.36	1.84	-2.81e-04	0.0	20.0	-0.02	-0.80	1.29	-0.13	2.10	25.36
365	9	6.83	0.64	-4.70e-06	-0.12	0.0	-5.78e-03	-0.05	0.15	-0.04	0.61	6.83
		6.81	0.61	-1.01e-04	0.0	20.0	-5.78e-03	-0.17	0.15	-0.04	0.64	6.81
365	10	25.45	1.23	-1.14e-05	-0.12	0.0	-7.24e-03	-1.30	2.74	-0.12	0.69	25.45
		25.17	0.69	-1.79e-04	0.0	20.0	-7.24e-03	-1.42	2.74	-0.12	1.23	25.17
365	11	6.50	1.11	-4.97e-06	-0.12	0.0	-0.01	0.25	-0.53	-0.04	1.11	6.46
		6.46	1.01	-1.45e-04	0.0	20.0	-0.01	0.13	-0.53	-0.04	1.01	6.50
365	12	19.49	1.42	-9.49e-06	-0.12	0.0	-0.01	-0.63	1.28	-0.10	1.16	19.49
		19.36	1.16	-2.00e-04	0.0	20.0	-0.01	-0.75	1.28	-0.10	1.42	19.36
365	13	7.39	0.10	-4.34e-06	-0.12	0.0	1.24e-03	-0.49	1.17	-0.03	-0.13	7.39

		7.28	-0.13	-3.48e-05	0.0	20.0	1.24e-03	-0.61	1.17	-0.03	0.10	7.28
365	14	16.69	0.40	-7.69e-06	-0.12	0.0	5.13e-04	-1.12	2.47	-0.07	-0.10	16.69
		16.46	-0.10	-7.41e-05	0.0	20.0	5.13e-04	-1.24	2.47	-0.07	0.40	16.46
365	15	7.20	0.28	-4.46e-06	-0.12	0.0	-1.10e-03	-0.34	0.83	-0.03	0.12	7.20
		7.12	0.12	-5.68e-05	0.0	20.0	-1.10e-03	-0.46	0.83	-0.03	0.28	7.12
365	16	12.79	0.46	-6.44e-06	-0.12	0.0	-1.54e-03	-0.72	1.61	-0.06	0.14	12.79
		12.63	0.14	-8.04e-05	0.0	20.0	-1.54e-03	-0.84	1.61	-0.06	0.46	12.63
365	17	7.39	0.10	-4.34e-06	-0.12	0.0	1.24e-03	-0.49	1.17	-0.03	-0.13	7.39
		7.28	-0.13	-3.48e-05	0.0	20.0	1.24e-03	-0.61	1.17	-0.03	0.10	7.28
365	18	12.97	0.28	-6.34e-06	-0.12	0.0	8.03e-04	-0.87	1.95	-0.05	-0.11	12.97
		12.79	-0.11	-5.84e-05	0.0	20.0	8.03e-04	-0.99	1.95	-0.05	0.28	12.79
365	24	9.88	2.98	-1.25e-05	-0.12	0.0	-2.08	3.11	-8.13	0.01	2.98	9.32
		9.32	-0.24	2.12e-04	0.0	20.0	-2.08	2.99	-8.13	0.01	-0.24	9.88
365	25	16.62	0.80	8.57e-06	-0.12	0.0	2.09	-4.85	12.02	-0.12	-3.21	16.62
		15.69	-3.21	-3.29e-04	0.0	20.0	2.09	-4.97	12.02	-0.12	0.80	15.69
365	48	8.98	3.82	-1.38e-05	-0.12	0.0	-0.59	4.62	-11.78	0.02	3.82	8.10
		8.10	1.29	-3.50e-05	0.0	20.0	-0.59	4.50	-11.78	0.02	1.29	8.98
365	49	17.85	-0.73	1.01e-05	-0.12	0.0	0.60	-6.35	15.67	-0.13	-4.05	17.85
		16.59	-4.05	-8.18e-05	0.0	20.0	0.60	-6.48	15.67	-0.13	-0.73	16.59
365	56	10.63	2.21	-1.05e-05	-0.12	0.0	-1.53	2.12	-5.60	-4.72e-03	2.21	10.25
		10.25	-0.10	1.31e-04	0.0	20.0	-1.53	2.00	-5.60	-4.72e-03	-0.10	10.63
365	57	15.70	0.65	5.89e-06	-0.12	0.0	1.53	-3.85	9.50	-0.10	-2.43	15.70
		14.94	-2.43	-2.47e-04	0.0	20.0	1.53	-3.98	9.50	-0.10	0.65	14.94
365	80	9.89	2.85	-1.11e-05	-0.12	0.0	-0.46	3.32	-8.48	6.30e-03	2.85	9.26
		9.26	1.06	-8.96e-05	0.0	20.0	-0.46	3.19	-8.48	6.30e-03	1.06	9.89
365	81	16.68	-0.50	6.90e-06	-0.12	0.0	0.47	-5.05	12.37	-0.11	-3.07	16.68
		15.68	-3.07	-2.72e-05	0.0	20.0	0.47	-5.17	12.37	-0.11	-0.50	15.68
365	88	10.88	1.94	-9.89e-06	-0.12	0.0	-1.35	1.78	-4.74	-0.01	1.94	10.56
		10.56	-0.05	1.09e-04	0.0	20.0	-1.35	1.66	-4.74	-0.01	-0.05	10.88
365	89	15.39	0.61	5.00e-06	-0.12	0.0	1.35	-3.51	8.64	-0.10	-2.17	15.39
		14.70	-2.17	-2.25e-04	0.0	20.0	1.35	-3.64	8.64	-0.10	0.61	14.70
365	112	10.22	2.51	-1.03e-05	-0.12	0.0	-0.41	2.84	-7.30	-3.02e-04	2.51	9.68
		9.68	0.97	-8.79e-05	0.0	20.0	-0.41	2.72	-7.30	-3.02e-04	0.97	10.22
365	113	16.26	-0.42	5.90e-06	-0.12	0.0	0.41	-4.58	11.20	-0.11	-2.74	16.26
		15.35	-2.74	-2.89e-05	0.0	20.0	0.41	-4.70	11.20	-0.11	-0.42	15.35
365	120	9.28	3.63	-1.45e-05	-0.12	0.0	-2.51	3.91	-10.16	0.02	3.63	8.57
		8.57	-0.36	2.87e-04	0.0	20.0	-2.51	3.79	-10.16	0.02	-0.36	9.28
365	121	17.37	0.92	1.08e-05	-0.12	0.0	2.51	-5.65	14.06	-0.13	-3.85	17.37
		16.29	-3.85	-4.04e-04	0.0	20.0	2.51	-5.77	14.06	-0.13	0.92	16.29
365	144	8.24	4.63	-1.65e-05	-0.12	0.0	-0.70	5.67	-14.43	0.03	4.63	7.15
		7.15	1.49	2.99e-05	0.0	20.0	-0.70	5.54	-14.43	0.03	1.49	8.24
365	145	18.79	-0.93	1.28e-05	-0.12	0.0	0.70	-7.40	18.33	-0.14	-4.86	18.79
		17.33	-4.86	-1.47e-04	0.0	20.0	0.70	-7.52	18.33	-0.14	-0.93	17.33
366	2	1.58	3.49	-3.83e-06	-0.16	0.0	0.01	1.20	-1.46	-1.47e-03	3.49	1.35
		1.35	3.20	-1.13e-05	0.0	20.0	0.01	1.04	-1.46	-1.47e-03	3.20	1.58
366	3	0.06	0.69	-1.71e-06	-0.12	0.0	2.66e-03	-0.10	-1.20	-3.82e-03	0.69	0.06
		0.03	0.45	1.28e-05	0.0	20.0	2.66e-03	-0.22	-1.20	-3.82e-03	0.45	0.03
366	7	-0.41	0.67	-1.73e-06	-0.12	0.0	3.29e-03	-0.38	-1.96	-6.75e-03	0.67	-0.41
		-0.49	0.28	2.53e-05	0.0	20.0	3.29e-03	-0.50	-1.96	-6.75e-03	0.28	-0.49
366	9	0.30	0.71	-1.89e-06	-0.12	0.0	2.27e-03	0.04	-0.81	-2.39e-03	0.71	0.30
		0.29	0.55	6.59e-06	0.0	20.0	2.27e-03	-0.08	-0.81	-2.39e-03	0.55	0.29
366	10	1.16	2.42	-2.67e-06	-0.12	0.0	9.29e-03	0.84	-0.98	-8.84e-04	2.42	1.00
		1.00	2.22	-8.26e-06	0.0	20.0	9.29e-03	0.72	-0.98	-8.84e-04	2.22	1.16
366	11	-0.02	0.70	-1.91e-06	-0.12	0.0	2.70e-03	-0.15	-1.31	-4.34e-03	0.70	-0.02
		-0.06	0.43	1.49e-05	0.0	20.0	2.70e-03	-0.27	-1.31	-4.34e-03	0.43	-0.06
366	13	0.82	0.73	-1.87e-06	-0.12	0.0	1.64e-03	0.32	-0.04	5.36e-04	0.73	0.76
		0.76	0.72	-5.87e-06	0.0	20.0	1.64e-03	0.20	-0.04	5.36e-04	0.72	0.82
366	14	1.25	1.58	-2.26e-06	-0.12	0.0	5.15e-03	0.73	-0.13	1.29e-03	1.58	1.12
		1.12	1.55	-1.32e-05	0.0	20.0	5.15e-03	0.60	-0.13	1.29e-03	1.55	1.25
366	15	0.64	0.72	-1.88e-06	-0.12	0.0	1.85e-03	0.23	-0.30	-4.40e-04	0.72	0.61
		0.61	0.66	-1.90e-06	0.0	20.0	1.85e-03	0.11	-0.30	-4.40e-04	0.66	0.64
366	17	0.82	0.73	-1.87e-06	-0.12	0.0	1.64e-03	0.32	-0.04	5.36e-04	0.73	0.76
		0.76	0.72	-5.87e-06	0.0	20.0	1.64e-03	0.20	-0.04	5.36e-04	0.72	0.82
366	18	1.08	1.24	-2.11e-06	-0.12	0.0	3.75e-03	0.56	-0.10	9.89e-04	1.24	0.98
		0.98	1.22	-1.03e-05	0.0	20.0	3.75e-03	0.44	-0.10	9.89e-04	1.22	1.08
366	23	0.52	2.63	-3.93e-06	-0.12	0.0	0.35	0.33	-1.32	0.02	2.63	0.47
		0.47	2.12	7.42e-05	0.0	20.0	0.35	0.21	-1.32	0.02	2.12	0.52
366	26	1.63	0.32	0.0	-0.12	0.0	-0.35	0.80	1.12	-0.02	-0.15	1.49
		1.49	-0.15	-9.47e-05	0.0	20.0	-0.35	0.68	1.12	-0.02	0.32	1.63
366	48	-3.30	6.25	-3.45e-06	-0.12	0.0	-7.21e-03	-1.93	-7.42	-0.02	6.25	-3.30
		-3.70	5.64	2.28e-04	0.0	20.0	-7.21e-03	-2.05	-7.42	-0.02	5.64	-3.70
366	49	5.86	-3.20	-2.72e-06	-0.12	0.0	0.01	3.06	7.23	0.03	-3.77	5.26
		5.26	-3.77	-2.49e-04	0.0	20.0	0.01	2.94	7.23	0.03	-3.20	5.86
366	55	0.72	2.26	-3.51e-06	-0.12	0.0	0.29	0.42	-0.94	0.02	2.26	0.65
		0.65	1.85	5.30e-05	0.0	20.0	0.29	0.30	-0.94	0.02	1.85	0.72

366	58	1.43	0.59	0.0	-0.12	0.0	-0.29	0.71	0.74	-0.01	0.22	1.30
		1.30	0.22	-7.35e-05	0.0	20.0	-0.29	0.58	0.74	-0.01	0.59	1.43
366	80	-2.36	5.04	-2.92e-06	-0.12	0.0	-3.00e-03	-1.39	-5.75	-0.02	5.04	-2.36
		-2.65	4.65	1.65e-04	0.0	20.0	-3.00e-03	-1.51	-5.75	-0.02	4.65	-2.65
366	81	4.80	-2.21	-2.61e-06	-0.12	0.0	0.01	2.52	5.55	0.02	-2.56	4.31
		4.31	-2.56	-1.86e-04	0.0	20.0	0.01	2.40	5.55	0.02	-2.21	4.80
366	87	0.77	2.14	-3.35e-06	-0.12	0.0	0.27	0.44	-0.84	0.01	2.14	0.69
		0.69	1.78	4.58e-05	0.0	20.0	0.27	0.32	-0.84	0.01	1.78	0.77
366	90	1.39	0.66	-1.07e-06	-0.12	0.0	-0.26	0.69	0.64	-0.01	0.34	1.26
		1.26	0.34	-6.63e-05	0.0	20.0	-0.26	0.57	0.64	-0.01	0.66	1.39
366	112	-1.98	4.61	-2.82e-06	-0.12	0.0	-1.42e-03	-1.17	-5.11	-0.02	4.61	-1.98
		-2.23	4.27	1.45e-04	0.0	20.0	-1.42e-03	-1.29	-5.11	-0.02	4.27	-2.23
366	113	4.39	-1.83	-2.52e-06	-0.12	0.0	8.91e-03	2.30	4.92	0.02	-2.13	3.94
		3.94	-2.13	-1.66e-04	0.0	20.0	8.91e-03	2.18	4.92	0.02	-1.83	4.39
366	119	0.36	2.93	-4.24e-06	-0.12	0.0	0.41	0.25	-1.63	0.02	2.93	0.32
		0.32	2.35	9.08e-05	0.0	20.0	0.41	0.13	-1.63	0.02	2.35	0.36
366	122	1.80	0.09	0.0	-0.12	0.0	-0.40	0.88	1.44	-0.02	-0.46	1.64
		1.64	-0.46	-1.11e-04	0.0	20.0	-0.40	0.76	1.44	-0.02	0.09	1.80
366	144	-4.03	7.24	-3.97e-06	-0.12	0.0	-9.02e-03	-2.34	-8.75	-0.03	7.24	-4.03
		-4.51	6.42	2.81e-04	0.0	20.0	-9.02e-03	-2.47	-8.75	-0.03	6.42	-4.51
366	145	6.67	-3.98	-2.77e-06	-0.12	0.0	0.02	3.47	8.55	0.03	-4.76	5.99
		5.99	-4.76	-3.01e-04	0.0	20.0	0.02	3.35	8.55	0.03	-3.98	6.67
367	2	1.35	3.49	-9.75e-05	-0.95	0.0	0.01	1.59	2.65	-1.47e-03	0.31	0.01
		0.01	0.31	-5.79e-04	0.0	120.0	0.01	0.64	2.65	-1.47e-03	3.49	1.35
367	3	0.15	0.69	-1.80e-05	-0.73	0.0	3.47e-03	0.41	0.43	-3.82e-03	0.18	0.01
		0.01	0.18	-3.76e-05	0.0	120.0	3.47e-03	-0.32	0.43	-3.82e-03	0.69	0.06
367	7	-0.02	0.67	6.79e-06	-0.73	0.0	5.24e-03	0.05	0.33	-6.75e-03	0.28	-0.02
		-0.41	0.28	4.35e-05	0.0	120.0	5.24e-03	-0.68	0.33	-6.75e-03	0.67	-0.41
367	9	0.31	0.71	-3.12e-05	-0.73	0.0	2.50e-03	0.59	0.48	-2.39e-03	0.13	0.03
		0.03	0.13	-6.85e-05	0.0	120.0	2.50e-03	-0.15	0.48	-2.39e-03	0.71	0.30
367	10	1.00	2.42	-7.17e-05	-0.73	0.0	7.37e-03	1.19	1.84	-8.84e-04	0.21	0.02
		0.02	0.21	-4.04e-04	0.0	120.0	7.37e-03	0.46	1.84	-8.84e-04	2.42	1.00
367	11	0.10	0.70	-1.50e-05	-0.73	0.0	3.68e-03	0.35	0.41	-4.34e-03	0.20	6.47e-03
		-0.02	0.20	-3.06e-05	0.0	120.0	3.68e-03	-0.39	0.41	-4.34e-03	0.70	-0.02
367	13	0.76	0.73	-5.56e-05	-0.73	0.0	7.20e-04	0.94	0.57	5.36e-04	0.04	0.07
		0.07	0.04	-1.41e-04	0.0	120.0	7.20e-04	0.21	0.57	5.36e-04	0.73	0.76
367	14	1.12	1.58	-7.58e-05	-0.73	0.0	3.15e-03	1.25	1.25	1.29e-03	0.08	0.06
		0.06	0.08	-3.09e-04	0.0	120.0	3.15e-03	0.52	1.25	1.29e-03	1.58	1.12
367	16	0.82	1.23	-5.96e-05	-0.73	0.0	2.77e-03	1.01	0.95	1.27e-05	0.09	0.05
		0.05	0.09	-2.17e-04	0.0	120.0	2.77e-03	0.27	0.95	1.27e-05	1.23	0.82
367	17	0.76	0.73	-5.56e-05	-0.73	0.0	7.20e-04	0.94	0.57	5.36e-04	0.04	0.07
		0.07	0.04	-1.41e-04	0.0	120.0	7.20e-04	0.21	0.57	5.36e-04	0.73	0.76
367	18	0.98	1.24	-6.77e-05	-0.73	0.0	2.18e-03	1.13	0.98	9.89e-04	0.06	0.06
		0.06	0.06	-2.42e-04	0.0	120.0	2.18e-03	0.39	0.98	9.89e-04	1.24	0.98
367	19	0.14	2.84	-2.92e-05	-0.73	0.0	0.61	0.42	2.33	6.12e-03	-0.16	-9.75e-03
		-9.75e-03	-0.16	1.05e-04	0.0	120.0	0.61	-0.31	2.33	6.12e-03	2.84	0.06
367	22	1.90	0.28	-1.06e-04	-0.73	0.0	-0.60	1.83	-0.37	-4.14e-03	0.28	0.14
		0.14	-0.36	-5.88e-04	0.0	120.0	-0.60	1.10	-0.37	-4.14e-03	-0.36	1.90
367	48	-0.28	6.25	1.46e-04	-0.73	0.0	-0.05	-2.15	5.51	-0.02	0.71	-0.28
		-3.30	0.71	5.98e-04	0.0	120.0	-0.05	-2.88	5.51	-0.02	6.25	-3.30
367	49	5.26	-0.59	-2.82e-04	-0.73	0.0	0.05	4.40	-3.54	0.03	-0.59	0.41
		0.41	-3.77	-1.08e-03	0.0	120.0	0.05	3.67	-3.54	0.03	-3.77	5.26
367	51	0.32	2.42	-4.03e-05	-0.73	0.0	0.51	0.62	1.98	4.72e-03	-0.11	0.01
		0.01	-0.11	-4.28e-05	0.0	120.0	0.51	-0.11	1.98	4.72e-03	2.42	0.31
367	54	1.64	0.23	-9.52e-05	-0.73	0.0	-0.50	1.63	-0.02	-2.74e-03	0.23	0.12
		0.12	0.06	-4.98e-04	0.0	120.0	-0.50	0.90	-0.02	-2.74e-03	0.06	1.64
367	80	-0.20	5.04	1.01e-04	-0.73	0.0	-0.02	-1.43	4.45	-0.02	0.59	-0.20
		-2.36	0.59	3.91e-04	0.0	120.0	-0.02	-2.16	4.45	-0.02	5.04	-2.36
367	81	4.31	-0.47	-2.36e-04	-0.73	0.0	0.03	3.68	-2.48	0.02	-0.47	0.33
		0.33	-2.56	-8.74e-04	0.0	120.0	0.03	2.95	-2.48	0.02	-2.56	4.31
367	83	0.39	2.29	-4.36e-05	-0.73	0.0	0.46	0.68	1.87	4.28e-03	-0.09	0.02
		0.02	-0.09	-5.73e-05	0.0	120.0	0.46	-0.05	1.87	4.28e-03	2.29	0.39
367	86	1.56	0.21	-9.18e-05	-0.73	0.0	-0.46	1.57	0.10	-2.30e-03	0.21	0.11
		0.11	0.19	-4.68e-04	0.0	120.0	-0.46	0.84	0.10	-2.30e-03	0.19	1.56
367	112	-0.17	4.61	8.19e-05	-0.73	0.0	-0.02	-1.14	4.06	-0.02	0.53	-0.17
		-1.98	0.53	3.19e-04	0.0	120.0	-0.02	-1.87	4.06	-0.02	4.61	-1.98
367	113	3.94	-0.41	-2.17e-04	-0.73	0.0	0.02	3.39	-2.09	0.02	-0.41	0.30
		0.30	-2.13	-8.03e-04	0.0	120.0	0.02	2.66	-2.09	0.02	-2.13	3.94
367	115	0.03	3.17	-2.05e-05	-0.73	0.0	0.71	0.27	2.62	7.29e-03	-0.20	-0.03
		-0.15	-0.20	1.77e-04	0.0	120.0	0.71	-0.47	2.62	7.29e-03	3.17	-0.15
367	118	2.10	0.32	-1.15e-04	-0.73	0.0	-0.70	1.99	-0.65	-5.31e-03	0.32	0.16
		0.16	-0.69	-6.60e-04	0.0	120.0	-0.70	1.25	-0.65	-5.31e-03	-0.69	2.10
367	144	-0.34	7.24	1.81e-04	-0.73	0.0	-0.06	-2.71	6.37	-0.03	0.79	-0.34
		-4.03	0.79	7.67e-04	0.0	120.0	-0.06	-3.44	6.37	-0.03	7.24	-4.03
367	145	5.98	-0.67	-3.17e-04	-0.73	0.0	0.06	4.96	-4.40	0.03	-0.67	0.47

		0.47	-4.76	-1.25e-03	0.0	120.0	0.06	4.23	-4.40	0.03	-4.76	5.98
368	1	0.03	0.20	-4.14e-06	-0.08	0.0	1.18e-03	0.34	1.96	-3.73e-03	0.0	0.0
		0.0	0.0	-1.27e-05	0.0	10.0	1.18e-03	0.26	1.96	-3.73e-03	0.20	0.03
368	2	0.0	0.31	-1.09e-05	-0.08	0.0	-7.73e-04	-0.03	3.12	-1.47e-03	0.0	0.0
		-6.71e-03	0.0	-6.80e-05	0.0	10.0	-7.73e-04	-0.11	3.12	-1.47e-03	0.31	-6.71e-03
368	6	0.0	0.37	-5.92e-06	-0.08	0.0	2.32e-03	-0.28	3.74	-5.08e-03	0.0	0.0
		-0.03	0.0	-4.62e-05	0.0	10.0	2.32e-03	-0.36	3.74	-5.08e-03	0.37	-0.03
368	7	0.0	0.28	0.0	-0.06	0.0	4.49e-03	-0.23	2.78	-6.75e-03	0.0	0.0
		-0.03	0.0	-2.44e-06	0.0	10.0	4.49e-03	-0.29	2.78	-6.75e-03	0.28	-0.03
368	8	0.0	0.36	-3.79e-06	-0.06	0.0	3.12e-03	-0.49	3.59	-5.17e-03	0.0	0.0
		-0.05	0.0	-4.12e-05	0.0	10.0	3.12e-03	-0.55	3.59	-5.17e-03	0.36	-0.05
368	9	0.03	0.13	-3.58e-06	-0.06	0.0	6.10e-04	0.32	1.34	-2.39e-03	0.0	0.0
		0.0	0.0	-1.04e-05	0.0	10.0	6.10e-04	0.26	1.34	-2.39e-03	0.13	0.03
368	10	4.39e-03	0.21	-8.07e-06	-0.06	0.0	-6.91e-04	0.07	2.12	-8.84e-04	0.0	0.0
		0.0	0.0	-4.73e-05	0.0	10.0	-6.91e-04	0.01	2.12	-8.84e-04	0.21	4.39e-03
368	11	4.50e-03	0.20	-1.61e-06	-0.06	0.0	2.28e-03	0.08	1.99	-4.34e-03	0.0	0.0
		0.0	0.0	-6.94e-06	0.0	10.0	2.28e-03	0.01	1.99	-4.34e-03	0.20	4.50e-03
368	12	0.0	0.25	-4.76e-06	-0.06	0.0	1.37e-03	-0.10	2.53	-3.29e-03	0.0	0.0
		-0.01	0.0	-3.28e-05	0.0	10.0	1.37e-03	-0.16	2.53	-3.29e-03	0.25	-0.01
368	13	0.07	0.04	-6.53e-06	-0.06	0.0	-1.90e-03	0.69	0.37	5.36e-04	0.0	0.0
		0.0	0.0	-1.56e-05	0.0	10.0	-1.90e-03	0.63	0.37	5.36e-04	0.04	0.07
368	14	0.05	0.08	-8.78e-06	-0.06	0.0	-2.55e-03	0.57	0.76	1.29e-03	0.0	0.0
		0.0	0.0	-3.40e-05	0.0	10.0	-2.55e-03	0.51	0.76	1.29e-03	0.08	0.05
368	15	0.05	0.07	-5.54e-06	-0.06	0.0	-1.06e-03	0.57	0.70	-4.40e-04	0.0	0.0
		0.0	0.0	-1.39e-05	0.0	10.0	-1.06e-03	0.51	0.70	-4.40e-04	0.07	0.05
368	16	0.05	0.09	-6.89e-06	-0.06	0.0	-1.45e-03	0.49	0.93	1.27e-05	0.0	0.0
		0.0	0.0	-2.49e-05	0.0	10.0	-1.45e-03	0.43	0.93	1.27e-05	0.09	0.05
368	17	0.07	0.04	-6.53e-06	-0.06	0.0	-1.90e-03	0.69	0.37	5.36e-04	0.0	0.0
		0.0	0.0	-1.56e-05	0.0	10.0	-1.90e-03	0.63	0.37	5.36e-04	0.04	0.07
368	18	0.06	0.06	-7.88e-06	-0.06	0.0	-2.29e-03	0.62	0.60	9.89e-04	0.0	0.0
		0.0	0.0	-2.67e-05	0.0	10.0	-2.29e-03	0.55	0.60	9.89e-04	0.06	0.06
368	19	0.0	0.0	-2.84e-06	-0.06	0.0	0.99	-0.10	-1.58	6.12e-03	0.0	0.0
		-0.01	-0.16	-5.92e-05	0.0	10.0	0.99	-0.16	-1.58	6.12e-03	-0.16	-0.01
368	22	0.13	0.28	-1.29e-05	-0.06	0.0	-0.99	1.33	2.79	-4.14e-03	0.0	0.0
		0.0	0.0	5.85e-06	0.0	10.0	-0.99	1.27	2.79	-4.14e-03	0.28	0.13
368	47	0.31	0.0	-2.76e-05	-0.06	0.0	-0.17	3.13	-6.52	0.03	0.0	0.0
		0.0	-0.65	-2.20e-05	0.0	10.0	-0.17	3.07	-6.52	0.03	-0.65	0.31
368	48	0.0	0.71	1.80e-05	-0.06	0.0	0.57	-2.74	7.07	-0.02	0.0	0.0
		-0.28	0.0	-1.52e-05	0.0	10.0	0.57	-2.80	7.07	-0.02	0.71	-0.28
368	49	0.39	0.0	-3.38e-05	-0.06	0.0	-0.58	3.97	-5.86	0.03	0.0	0.0
		0.0	-0.59	-3.81e-05	0.0	10.0	-0.58	3.91	-5.86	0.03	-0.59	0.39
368	50	0.0	0.77	1.18e-05	-0.06	0.0	0.16	-1.90	7.73	-0.03	0.0	0.0
		-0.19	0.0	-3.13e-05	0.0	10.0	0.16	-1.96	7.73	-0.03	0.77	-0.19
368	51	6.91e-03	0.0	-4.26e-06	-0.06	0.0	0.80	0.10	-1.09	4.72e-03	0.0	0.0
		0.0	-0.11	-5.28e-05	0.0	10.0	0.80	0.04	-1.09	4.72e-03	-0.11	6.91e-03
368	54	0.11	0.23	-1.15e-05	-0.06	0.0	-0.81	1.13	2.30	-2.74e-03	0.0	0.0
		0.0	0.0	0.0	0.0	10.0	-0.81	1.07	2.30	-2.74e-03	0.23	0.11
368	79	0.26	0.0	-2.36e-05	-0.06	0.0	-0.11	2.61	-5.21	0.03	0.0	0.0
		0.0	-0.52	-2.60e-05	0.0	10.0	-0.11	2.55	-5.21	0.03	-0.52	0.26
368	80	0.0	0.59	1.24e-05	-0.06	0.0	0.45	-2.00	5.92	-0.02	0.0	0.0
		-0.20	0.0	-1.54e-05	0.0	10.0	0.45	-2.06	5.92	-0.02	0.59	-0.20
368	81	0.32	0.0	-2.82e-05	-0.06	0.0	-0.45	3.23	-4.71	0.02	0.0	0.0
		0.0	-0.47	-3.79e-05	0.0	10.0	-0.45	3.17	-4.71	0.02	-0.47	0.32
368	82	0.0	0.64	7.88e-06	-0.06	0.0	0.11	-1.38	6.42	-0.02	0.0	0.0
		-0.14	0.0	-2.73e-05	0.0	10.0	0.11	-1.44	6.42	-0.02	0.64	-0.14
368	83	0.01	0.0	-4.69e-06	-0.06	0.0	0.72	0.16	-0.91	4.28e-03	0.0	0.0
		0.0	-0.09	-5.01e-05	0.0	10.0	0.72	0.10	-0.91	4.28e-03	-0.09	0.01
368	86	0.10	0.21	-1.11e-05	-0.06	0.0	-0.73	1.07	2.12	-2.30e-03	0.0	0.0
		0.0	0.0	-3.17e-06	0.0	10.0	-0.73	1.01	2.12	-2.30e-03	0.21	0.10
368	111	0.24	0.0	-2.19e-05	-0.06	0.0	-0.10	2.39	-4.57	0.02	0.0	0.0
		0.0	-0.46	-2.62e-05	0.0	10.0	-0.10	2.33	-4.57	0.02	-0.46	0.24
368	112	0.0	0.53	1.01e-05	-0.06	0.0	0.40	-1.71	5.34	-0.02	0.0	0.0
		-0.17	0.0	-1.66e-05	0.0	10.0	0.40	-1.77	5.34	-0.02	0.53	-0.17
368	113	0.29	0.0	-2.59e-05	-0.06	0.0	-0.40	2.94	-4.13	0.02	0.0	0.0
		0.0	-0.41	-3.67e-05	0.0	10.0	-0.40	2.88	-4.13	0.02	-0.41	0.29
368	114	0.0	0.58	6.13e-06	-0.06	0.0	0.09	-1.16	5.78	-0.02	0.0	0.0
		-0.12	0.0	-2.71e-05	0.0	10.0	0.09	-1.22	5.78	-0.02	0.58	-0.12
368	115	0.0	0.0	-1.72e-06	-0.06	0.0	1.16	-0.26	-1.98	7.29e-03	0.0	0.0
		-0.03	-0.20	-6.44e-05	0.0	10.0	1.16	-0.32	-1.98	7.29e-03	-0.20	-0.03
368	118	0.15	0.32	-1.40e-05	-0.06	0.0	-1.16	1.49	3.19	-5.31e-03	0.0	0.0
		0.0	0.0	1.11e-05	0.0	10.0	-1.16	1.43	3.19	-5.31e-03	0.32	0.15
368	143	0.35	0.0	-3.06e-05	-0.06	0.0	-0.20	3.52	-7.45	0.04	0.0	0.0
		0.0	-0.74	-1.73e-05	0.0	10.0	-0.20	3.46	-7.45	0.04	-0.74	0.35
368	144	0.0	0.79	2.23e-05	-0.06	0.0	0.68	-3.31	7.86	-0.03	0.0	0.0
		-0.33	0.0	-1.64e-05	0.0	10.0	0.68	-3.37	7.86	-0.03	0.79	-0.33

368	145	0.45	0.0	-3.80e-05	-0.06	0.0	-0.69	4.54	-6.66	0.03	0.0	0.0
		0.0	-0.67	-3.69e-05	0.0	10.0	-0.69	4.48	-6.66	0.03	-0.67	0.45
368	146	0.0	0.87	1.48e-05	-0.06	0.0	0.20	-2.29	8.66	-0.04	0.0	0.0
		-0.23	0.0	-3.60e-05	0.0	10.0	0.20	-2.35	8.66	-0.04	0.87	-0.23
370	2	5.33	0.0	-2.45e-04	-0.08	0.0	0.03	53.35	-2.30	0.68	0.0	0.0
		0.0	-0.23	-1.46e-04	0.0	10.0	0.03	53.27	-2.30	0.68	-0.23	5.33
370	3	0.93	0.0	-4.54e-05	-0.06	0.0	0.01	9.28	-1.32	0.02	0.0	0.0
		0.0	-0.13	-8.11e-05	0.0	10.0	0.01	9.22	-1.32	0.02	-0.13	0.93
370	6	4.02	0.0	-1.87e-04	-0.08	0.0	0.03	40.22	-2.75	0.42	0.0	0.0
		0.0	-0.28	-1.72e-04	0.0	10.0	0.03	40.14	-2.75	0.42	-0.28	4.02
370	9	0.97	0.0	-4.75e-05	-0.06	0.0	9.88e-03	9.75	-0.99	0.06	0.0	0.0
		0.0	-0.10	-5.91e-05	0.0	10.0	9.88e-03	9.68	-0.99	0.06	-0.10	0.97
370	10	3.69	0.0	-1.70e-04	-0.06	0.0	0.02	36.97	-1.56	0.48	0.0	0.0
		0.0	-0.16	-9.93e-05	0.0	10.0	0.02	36.91	-1.56	0.48	-0.16	3.69
370	12	2.82	0.0	-1.31e-04	-0.06	0.0	0.02	28.21	-1.86	0.30	0.0	0.0
		0.0	-0.19	-1.17e-04	0.0	10.0	0.02	28.15	-1.86	0.30	-0.19	2.82
370	13	1.06	0.0	-5.07e-05	-0.06	0.0	6.23e-03	10.63	-0.28	0.14	0.0	0.0
		0.0	-0.03	-1.50e-05	0.0	10.0	6.23e-03	10.57	-0.28	0.14	-0.03	1.06
370	14	2.42	0.0	-1.12e-04	-0.06	0.0	0.01	24.24	-0.57	0.35	0.0	0.0
		0.0	-0.06	-3.50e-05	0.0	10.0	0.01	24.18	-0.57	0.35	-0.06	2.42
370	16	1.85	0.0	-8.63e-05	-0.06	0.0	0.01	18.50	-0.69	0.24	0.0	0.0
		0.0	-0.07	-4.17e-05	0.0	10.0	0.01	18.44	-0.69	0.24	-0.07	1.85
370	17	1.06	0.0	-5.07e-05	-0.06	0.0	6.23e-03	10.63	-0.28	0.14	0.0	0.0
		0.0	-0.03	-1.50e-05	0.0	10.0	6.23e-03	10.57	-0.28	0.14	-0.03	1.06
370	18	1.88	0.0	-8.74e-05	-0.06	0.0	9.48e-03	18.79	-0.45	0.27	0.0	0.0
		0.0	-0.05	-2.70e-05	0.0	10.0	9.48e-03	18.73	-0.45	0.27	-0.05	1.88
370	19	1.77	0.03	-8.08e-05	-0.06	0.0	5.81	17.77	0.26	-4.93e-03	0.0	0.0
		0.0	0.0	6.75e-05	0.0	10.0	5.81	17.70	0.26	-4.93e-03	0.03	1.77
370	22	1.98	0.0	-9.40e-05	-0.06	0.0	-5.80	19.82	-1.16	0.54	0.0	0.0
		0.0	-0.12	-1.22e-04	0.0	10.0	-5.80	19.76	-1.16	0.54	-0.12	1.98
370	40	1.62	0.28	-6.97e-05	-0.06	0.0	-2.15	16.21	2.78	-0.42	0.0	0.0
		0.0	0.0	-1.35e-04	0.0	10.0	-2.15	16.15	2.78	-0.42	0.28	1.62
370	47	2.08	0.43	-1.04e-04	-0.06	0.0	3.91	20.85	4.34	0.90	0.0	0.0
		0.0	0.0	2.19e-04	0.0	10.0	3.91	20.79	4.34	0.90	0.43	2.08
370	49	2.19	0.34	-1.11e-04	-0.06	0.0	1.99	21.90	3.41	1.21	0.0	0.0
		0.0	0.0	2.00e-04	0.0	10.0	1.99	21.84	3.41	1.21	0.34	2.19
370	50	1.67	0.0	-7.09e-05	-0.06	0.0	-3.89	16.74	-5.24	-0.37	0.0	0.0
		0.0	-0.52	-2.73e-04	0.0	10.0	-3.89	16.68	-5.24	-0.37	-0.52	1.67
370	51	1.80	6.80e-03	-8.27e-05	-0.06	0.0	4.22	18.05	0.07	0.07	0.0	0.0
		0.0	0.0	4.44e-05	0.0	10.0	4.22	17.99	0.07	0.07	6.80e-03	1.80
370	54	1.95	0.0	-9.21e-05	-0.06	0.0	-4.20	19.53	-0.97	0.47	0.0	0.0
		0.0	-0.10	-9.84e-05	0.0	10.0	-4.20	19.47	-0.97	0.47	-0.10	1.95
370	72	1.68	0.20	-7.39e-05	-0.06	0.0	-1.58	16.84	2.03	-0.25	0.0	0.0
		0.0	0.0	-1.17e-04	0.0	10.0	-1.58	16.78	2.03	-0.25	0.20	1.68
370	75	2.04	0.34	-1.00e-04	-0.06	0.0	3.24	20.38	3.38	0.77	0.0	0.0
		0.0	0.0	1.85e-04	0.0	10.0	3.24	20.32	3.38	0.77	0.34	2.04
370	78	1.72	0.0	-7.44e-05	-0.06	0.0	-3.22	17.20	-4.28	-0.24	0.0	0.0
		0.0	-0.43	-2.39e-04	0.0	10.0	-3.22	17.14	-4.28	-0.24	-0.43	1.72
370	81	2.11	0.27	-1.05e-04	-0.06	0.0	1.48	21.13	2.69	0.98	0.0	0.0
		0.0	0.0	1.66e-04	0.0	10.0	1.48	21.07	2.69	0.98	0.27	2.11
370	83	1.81	6.50e-04	-8.33e-05	-0.06	0.0	3.73	18.14	6.50e-03	0.09	0.0	0.0
		0.0	0.0	3.65e-05	0.0	10.0	3.73	18.08	6.50e-03	0.09	6.50e-04	1.81
370	86	1.94	0.0	-9.15e-05	-0.06	0.0	-3.71	19.44	-0.91	0.44	0.0	0.0
		0.0	-0.09	-9.05e-05	0.0	10.0	-3.71	19.38	-0.91	0.44	-0.09	1.94
370	104	1.70	0.18	-7.54e-05	-0.06	0.0	-1.39	17.06	1.76	-0.19	0.0	0.0
		0.0	0.0	-1.08e-04	0.0	10.0	-1.39	17.00	1.76	-0.19	0.18	1.70
370	107	2.02	0.30	-9.90e-05	-0.06	0.0	2.86	20.21	2.96	0.72	0.0	0.0
		0.0	0.0	1.62e-04	0.0	10.0	2.86	20.15	2.96	0.72	0.30	2.02
370	110	1.73	0.0	-7.58e-05	-0.06	0.0	-2.84	17.38	-3.86	-0.18	0.0	0.0
		0.0	-0.39	-2.16e-04	0.0	10.0	-2.84	17.32	-3.86	-0.18	-0.39	1.73
370	113	2.08	0.23	-1.03e-04	-0.06	0.0	1.31	20.87	2.34	0.90	0.0	0.0
		0.0	0.0	1.45e-04	0.0	10.0	1.31	20.81	2.34	0.90	0.23	2.08
370	115	1.75	0.04	-7.94e-05	-0.06	0.0	7.01	17.54	0.43	-0.06	0.0	0.0
		0.0	0.0	8.62e-05	0.0	10.0	7.01	17.48	0.43	-0.06	0.04	1.75
370	118	2.00	0.0	-9.54e-05	-0.06	0.0	-6.99	20.05	-1.33	0.60	0.0	0.0
		0.0	-0.13	-1.40e-04	0.0	10.0	-6.99	19.99	-1.33	0.60	-0.13	2.00
370	136	1.57	0.34	-6.62e-05	-0.06	0.0	-2.58	15.68	3.39	-0.56	0.0	0.0
		0.0	0.0	-1.49e-04	0.0	10.0	-2.58	15.62	3.39	-0.56	0.34	1.57
370	143	2.12	0.51	-1.07e-04	-0.06	0.0	4.70	21.26	5.06	1.02	0.0	0.0
		0.0	0.0	2.44e-04	0.0	10.0	4.70	21.20	5.06	1.02	0.51	2.12
370	145	2.25	0.39	-1.15e-04	-0.06	0.0	2.38	22.53	3.93	1.38	0.0	0.0
		0.0	0.0	2.20e-04	0.0	10.0	2.38	22.47	3.93	1.38	0.39	2.25
370	146	1.63	0.0	-6.79e-05	-0.06	0.0	-4.69	16.33	-5.96	-0.48	0.0	0.0
		0.0	-0.60	-2.98e-04	0.0	10.0	-4.69	16.27	-5.96	-0.48	-0.60	1.63
371	2	1.57	3.20	6.73e-05	-0.95	0.0	0.01	-0.58	-1.94	-1.47e-03	3.20	1.57

		0.31	0.87	4.43e-04	0.0	120.0	0.01	-1.53	-1.94	-1.47e-03	0.87	0.31
371	7	9.17e-03	0.28	-3.03e-05	-0.73	0.0	9.50e-04	0.79	-0.18	-6.75e-03	0.28	-0.50
		-0.50	0.07	2.00e-04	0.0	120.0	9.50e-04	0.05	-0.18	-6.75e-03	0.07	9.17e-03
371	10	1.16	2.22	5.05e-05	-0.73	0.0	9.43e-03	-0.41	-1.35	-8.84e-04	2.22	1.16
		0.22	0.60	3.05e-04	0.0	120.0	9.43e-03	-1.14	-1.35	-8.84e-04	0.60	0.22
371	11	0.11	0.43	-8.90e-06	-0.73	0.0	1.27e-03	0.45	-0.27	-4.34e-03	0.43	-0.06
		-0.06	0.11	1.60e-04	0.0	120.0	1.27e-03	-0.28	-0.27	-4.34e-03	0.11	0.05
371	14	1.25	1.55	5.71e-05	-0.73	0.0	5.94e-03	-0.51	-0.94	1.29e-03	1.55	1.25
		0.20	0.42	1.67e-04	0.0	120.0	5.94e-03	-1.24	-0.94	1.29e-03	0.42	0.20
371	15	0.64	0.66	2.74e-05	-0.73	0.0	1.86e-03	-0.08	-0.40	-4.40e-04	0.66	0.64
		0.11	0.18	9.47e-05	0.0	120.0	1.86e-03	-0.81	-0.40	-4.40e-04	0.18	0.11
371	17	0.82	0.72	3.64e-05	-0.73	0.0	2.01e-03	-0.21	-0.44	5.36e-04	0.72	0.82
		0.12	0.19	7.83e-05	0.0	120.0	2.01e-03	-0.94	-0.44	5.36e-04	0.19	0.12
371	18	1.08	1.22	4.88e-05	-0.73	0.0	4.37e-03	-0.39	-0.74	9.89e-04	1.22	1.08
		0.17	0.33	1.31e-04	0.0	120.0	4.37e-03	-1.12	-0.74	9.89e-04	0.33	0.17
371	24	-0.21	4.40	-1.38e-04	-0.73	0.0	-0.59	1.85	-3.61	3.32e-03	4.40	-1.98
		-1.98	-0.04	1.75e-03	0.0	120.0	-0.59	1.12	-3.61	3.32e-03	-0.04	-0.21
371	25	4.14	0.70	2.36e-04	-0.73	0.0	0.60	-2.64	2.13	-1.35e-03	-1.96	4.14
		0.54	-1.96	-1.48e-03	0.0	120.0	0.60	-3.37	2.13	-1.35e-03	0.70	0.54
371	44	-0.34	5.64	-2.46e-04	-0.73	0.0	-0.43	3.13	-4.58	-0.02	5.64	-3.64
		-3.64	-0.21	2.06e-03	0.0	120.0	-0.43	2.40	-4.58	-0.02	-0.21	-0.34
371	45	5.80	0.87	3.44e-04	-0.73	0.0	0.44	-3.92	3.10	0.03	-3.20	5.80
		0.68	-3.20	-1.79e-03	0.0	120.0	0.44	-4.65	3.10	0.03	0.87	0.68
371	48	-0.35	5.64	-2.50e-04	-0.73	0.0	-0.35	3.18	-4.58	-0.02	5.64	-3.70
		-3.70	-0.22	2.06e-03	0.0	120.0	-0.35	2.45	-4.58	-0.02	-0.22	-0.35
371	49	5.85	0.88	3.47e-04	-0.73	0.0	0.36	-3.96	3.10	0.03	-3.20	5.85
		0.68	-3.20	-1.80e-03	0.0	120.0	0.36	-4.69	3.10	0.03	0.88	0.68
371	56	-0.11	3.64	-9.36e-05	-0.73	0.0	-0.44	1.31	-2.91	2.29e-03	3.64	-1.25
		-1.25	0.05	1.33e-03	0.0	120.0	-0.44	0.58	-2.91	2.29e-03	0.05	-0.11
371	57	3.40	0.61	1.91e-04	-0.73	0.0	0.45	-2.10	1.43	-3.14e-04	-1.20	3.40
		0.45	-1.20	-1.07e-03	0.0	120.0	0.45	-2.83	1.43	-3.14e-04	0.61	0.45
371	76	-0.22	4.65	-1.83e-04	-0.73	0.0	-0.32	2.37	-3.70	-0.02	4.65	-2.61
		-2.61	-0.09	1.56e-03	0.0	120.0	-0.32	1.64	-3.70	-0.02	-0.09	-0.22
371	77	4.76	0.75	2.81e-04	-0.73	0.0	0.33	-3.15	2.22	0.02	-2.21	4.76
		0.56	-2.21	-1.30e-03	0.0	120.0	0.33	-3.89	2.22	0.02	0.75	0.56
371	80	-0.22	4.65	-1.85e-04	-0.73	0.0	-0.27	2.40	-3.70	-0.02	4.65	-2.65
		-2.65	-0.09	1.56e-03	0.0	120.0	-0.27	1.67	-3.70	-0.02	-0.09	-0.22
371	81	4.80	0.75	2.83e-04	-0.73	0.0	0.28	-3.18	2.21	0.02	-2.21	4.80
		0.56	-2.21	-1.30e-03	0.0	120.0	0.28	-3.92	2.21	0.02	0.75	0.56
371	88	-0.08	3.37	-7.75e-05	-0.73	0.0	-0.39	1.12	-2.67	2.13e-03	3.37	-0.98
		-0.98	0.08	1.20e-03	0.0	120.0	-0.39	0.39	-2.67	2.13e-03	0.08	-0.08
371	89	3.14	0.58	1.75e-04	-0.73	0.0	0.40	-1.91	1.19	-1.50e-04	-0.93	3.14
		0.42	-0.93	-9.33e-04	0.0	120.0	0.40	-2.64	1.19	-1.50e-04	0.58	0.42
371	108	-0.18	4.27	-1.57e-04	-0.73	0.0	-0.29	2.06	-3.37	-0.02	4.27	-2.20
		-2.20	-0.04	1.40e-03	0.0	120.0	-0.29	1.33	-3.37	-0.02	-0.04	-0.18
371	109	4.35	0.70	2.55e-04	-0.73	0.0	0.30	-2.85	1.89	0.02	-1.83	4.35
		0.51	-1.83	-1.14e-03	0.0	120.0	0.30	-3.58	1.89	0.02	0.70	0.51
371	112	-0.18	4.27	-1.59e-04	-0.73	0.0	-0.24	2.09	-3.37	-0.02	4.27	-2.23
		-2.23	-0.04	1.40e-03	0.0	120.0	-0.24	1.36	-3.37	-0.02	-0.04	-0.18
371	113	4.38	0.71	2.57e-04	-0.73	0.0	0.25	-2.87	1.88	0.02	-1.83	4.38
		0.51	-1.83	-1.14e-03	0.0	120.0	0.25	-3.60	1.88	0.02	0.71	0.51
371	120	-0.28	5.02	-1.73e-04	-0.73	0.0	-0.71	2.27	-4.19	4.32e-03	5.02	-2.56
		-2.56	-0.12	2.09e-03	0.0	120.0	-0.71	1.54	-4.19	4.32e-03	-0.12	-0.28
371	121	4.72	0.78	2.70e-04	-0.73	0.0	0.72	-3.06	2.70	-2.34e-03	-2.58	4.72
		0.62	-2.58	-1.82e-03	0.0	120.0	0.72	-3.79	2.70	-2.34e-03	0.78	0.62
371	140	-0.44	6.42	-2.95e-04	-0.73	0.0	-0.51	3.72	-5.30	-0.03	6.42	-4.44
		-4.44	-0.31	2.48e-03	0.0	120.0	-0.51	2.99	-5.30	-0.03	-0.31	-0.44
371	141	6.60	0.97	3.92e-04	-0.73	0.0	0.51	-4.51	3.82	0.03	-3.98	6.60
		0.77	-3.98	-2.21e-03	0.0	120.0	0.51	-5.24	3.82	0.03	0.97	0.77
371	144	-0.44	6.42	-2.99e-04	-0.73	0.0	-0.41	3.78	-5.30	-0.03	6.42	-4.51
		-4.51	-0.32	2.48e-03	0.0	120.0	-0.41	3.04	-5.30	-0.03	-0.32	-0.44
371	145	6.67	0.98	3.96e-04	-0.73	0.0	0.42	-4.56	3.82	0.03	-3.98	6.67
		0.78	-3.98	-2.22e-03	0.0	120.0	0.42	-5.29	3.82	0.03	0.98	0.78
372	2	0.29	0.87	9.84e-06	-0.08	0.0	7.22e-03	-2.90	-8.65	-1.47e-03	0.87	0.29
		0.0	0.0	6.10e-05	0.0	10.0	7.22e-03	-2.98	-8.65	-1.47e-03	0.0	0.0
372	7	7.62e-03	0.07	-2.95e-06	-0.06	0.0	-9.49e-04	-0.05	-0.70	-6.75e-03	0.07	7.62e-03
		0.0	0.0	1.87e-05	0.0	10.0	-9.49e-04	-0.11	-0.70	-6.75e-03	0.0	0.0
372	10	0.21	0.60	7.33e-06	-0.06	0.0	4.96e-03	-2.09	-6.00	-8.84e-04	0.60	0.21
		0.0	0.0	4.21e-05	0.0	10.0	4.96e-03	-2.16	-6.00	-8.84e-04	0.0	0.0
372	11	0.04	0.11	0.0	-0.06	0.0	-4.35e-04	-0.42	-1.14	-4.34e-03	0.11	0.04
		0.0	0.0	1.66e-05	0.0	10.0	-4.35e-04	-0.48	-1.14	-4.34e-03	0.0	0.0
372	14	0.19	0.42	7.93e-06	-0.06	0.0	3.20e-03	-1.86	-4.21	1.29e-03	0.42	0.19
		0.0	0.0	2.56e-05	0.0	10.0	3.20e-03	-1.92	-4.21	1.29e-03	0.0	0.0
372	15	0.10	0.18	4.11e-06	-0.06	0.0	5.04e-04	-1.02	-1.78	-4.40e-04	0.18	0.10
		0.0	0.0	1.29e-05	0.0	10.0	5.04e-04	-1.08	-1.78	-4.40e-04	0.0	0.0

372	17	0.12	0.19	5.21e-06	-0.06	0.0	7.38e-04	-1.17	-1.94	5.36e-04	0.19	0.12
		0.0	0.0	1.19e-05	0.0	10.0	7.38e-04	-1.23	-1.94	5.36e-04	0.0	0.0
372	18	0.16	0.33	6.84e-06	-0.06	0.0	2.22e-03	-1.58	-3.30	9.89e-04	0.33	0.16
		0.0	0.0	2.02e-05	0.0	10.0	2.22e-03	-1.64	-3.30	9.89e-04	0.0	0.0
372	24	0.0	0.0	-8.96e-06	-0.06	0.0	-0.97	2.10	0.43	3.32e-03	-0.04	-0.21
		-0.21	-0.04	1.67e-04	0.0	10.0	-0.97	2.04	0.43	3.32e-03	0.0	0.0
372	25	0.53	0.70	2.26e-05	-0.06	0.0	0.97	-5.26	-7.03	-1.35e-03	0.70	0.53
		0.0	0.0	-1.26e-04	0.0	10.0	0.97	-5.32	-7.03	-1.35e-03	0.0	0.0
372	48	0.0	0.0	-7.69e-06	-0.06	0.0	-0.58	3.46	2.17	-0.02	-0.22	-0.34
		-0.34	-0.22	1.99e-04	0.0	10.0	-0.58	3.40	2.17	-0.02	0.0	0.0
372	49	0.67	0.88	2.14e-05	-0.06	0.0	0.58	-6.63	-8.77	0.03	0.88	0.67
		0.0	0.0	-1.59e-04	0.0	10.0	0.58	-6.69	-8.77	0.03	0.0	0.0
372	56	0.0	0.05	-4.49e-06	-0.06	0.0	-0.72	1.19	-0.48	2.29e-03	0.05	-0.12
		-0.12	0.0	1.30e-04	0.0	10.0	-0.72	1.12	-0.48	2.29e-03	0.0	0.0
372	57	0.44	0.61	1.82e-05	-0.06	0.0	0.72	-4.35	-6.13	-3.14e-04	0.61	0.44
		0.0	0.0	-8.92e-05	0.0	10.0	0.72	-4.41	-6.13	-3.14e-04	0.0	0.0
372	80	0.0	0.0	-2.71e-06	-0.06	0.0	-0.44	2.26	0.92	-0.02	-0.09	-0.22
		-0.22	-0.09	1.54e-04	0.0	10.0	-0.44	2.20	0.92	-0.02	0.0	0.0
372	81	0.55	0.75	1.64e-05	-0.06	0.0	0.45	-5.42	-7.52	0.02	0.75	0.55
		0.0	0.0	-1.13e-04	0.0	10.0	0.45	-5.49	-7.52	0.02	0.0	0.0
372	88	0.0	0.08	-3.18e-06	-0.06	0.0	-0.64	0.87	-0.79	2.13e-03	0.08	-0.08
		-0.08	0.0	1.17e-04	0.0	10.0	-0.64	0.81	-0.79	2.13e-03	0.0	0.0
372	89	0.41	0.58	1.69e-05	-0.06	0.0	0.64	-4.03	-5.81	-1.50e-04	0.58	0.41
		0.0	0.0	-7.68e-05	0.0	10.0	0.64	-4.09	-5.81	-1.50e-04	0.0	0.0
372	112	0.0	0.0	-1.56e-06	-0.06	0.0	-0.39	1.83	0.45	-0.02	-0.04	-0.18
		-0.18	-0.04	1.39e-04	0.0	10.0	-0.39	1.77	0.45	-0.02	0.0	0.0
372	113	0.50	0.71	1.52e-05	-0.06	0.0	0.40	-4.99	-7.05	0.02	0.71	0.50
		0.0	0.0	-9.83e-05	0.0	10.0	0.40	-5.05	-7.05	0.02	0.0	0.0
372	120	0.0	0.0	-1.27e-05	-0.06	0.0	-1.16	2.84	1.16	4.32e-03	-0.12	-0.28
		-0.28	-0.12	1.97e-04	0.0	10.0	-1.16	2.78	1.16	4.32e-03	0.0	0.0
372	121	0.60	0.78	2.64e-05	-0.06	0.0	1.17	-6.00	-7.76	-2.34e-03	0.78	0.60
		0.0	0.0	-1.57e-04	0.0	10.0	1.17	-6.06	-7.76	-2.34e-03	0.0	0.0
372	144	0.0	0.0	-1.21e-05	-0.06	0.0	-0.68	4.43	3.16	-0.03	-0.32	-0.44
		-0.44	-0.32	2.37e-04	0.0	10.0	-0.68	4.37	3.16	-0.03	0.0	0.0
372	145	0.76	0.98	2.58e-05	-0.06	0.0	0.69	-7.59	-9.77	0.03	0.98	0.76
		0.0	0.0	-1.97e-04	0.0	10.0	0.69	-7.65	-9.77	0.03	0.0	0.0
373	2	23.45	3.04	1.26e-03	-0.95	0.0	-9.19e-03	-16.18	-2.54	-0.03	3.04	23.45
		3.46	1.37e-03	4.28e-04	0.0	120.0	-9.19e-03	-17.13	-2.54	-0.03	1.37e-03	3.46
373	7	1.34	-0.02	7.11e-05	-0.73	0.0	8.18e-04	-0.38	0.14	-0.02	-0.18	1.34
		0.45	-0.18	1.94e-04	0.0	120.0	8.18e-04	-1.11	0.14	-0.02	-0.02	0.45
373	10	16.30	2.12	8.78e-04	-0.73	0.0	-6.41e-03	-11.22	-1.77	-0.02	2.12	16.30
		2.41	1.25e-03	2.95e-04	0.0	120.0	-6.41e-03	-11.95	-1.77	-0.02	1.25e-03	2.41
373	11	2.64	0.14	1.42e-04	-0.73	0.0	-2.14e-04	-1.38	-0.12	-0.02	0.14	2.64
		0.55	-0.01	1.56e-04	0.0	120.0	-2.14e-04	-2.11	-0.12	-0.02	-0.01	0.55
373	14	11.50	1.62	6.22e-04	-0.73	0.0	-4.93e-03	-7.86	-1.35	-0.01	1.62	11.50
		1.63	5.40e-03	1.61e-04	0.0	120.0	-4.93e-03	-8.59	-1.35	-0.01	5.40e-03	1.63
373	15	4.67	0.63	2.54e-04	-0.73	0.0	-1.83e-03	-2.94	-0.53	-6.64e-03	0.63	4.67
		0.70	-8.99e-04	9.18e-05	0.0	120.0	-1.83e-03	-3.68	-0.53	-6.64e-03	-8.99e-04	0.70
373	17	5.18	0.75	2.82e-04	-0.73	0.0	-2.23e-03	-3.34	-0.63	-4.51e-03	0.75	5.18
		0.74	1.71e-03	7.58e-05	0.0	120.0	-2.23e-03	-4.07	-0.63	-4.51e-03	1.71e-03	0.74
373	18	8.97	1.28	4.86e-04	-0.73	0.0	-3.85e-03	-6.05	-1.06	-7.85e-03	1.28	8.97
		1.27	3.92e-03	1.27e-04	0.0	120.0	-3.85e-03	-6.78	-1.06	-7.85e-03	3.92e-03	1.27
373	19	4.61	1.85	2.49e-04	-0.73	0.0	-2.32	-2.73	-1.70	-8.10e-03	1.85	4.61
		0.78	-0.40	8.48e-04	0.0	120.0	-2.32	-3.46	-1.70	-8.10e-03	-0.40	0.78
373	22	13.33	0.70	7.22e-04	-0.73	0.0	2.31	-9.38	-0.41	-7.61e-03	0.70	13.33
		1.76	0.41	-5.94e-04	0.0	120.0	2.31	-10.11	-0.41	-7.61e-03	0.41	1.76
373	43	20.22	5.66	1.10e-03	-0.73	0.0	-0.75	-14.69	-4.84	0.04	5.66	20.22
		2.11	0.04	-1.12e-03	0.0	120.0	-0.75	-15.42	-4.84	0.04	0.04	2.11
373	46	0.43	-0.03	-1.28e-04	-0.73	0.0	0.74	2.59	2.72	-0.05	-3.11	-2.27
		-2.27	-3.11	1.37e-03	0.0	120.0	0.74	1.86	2.72	-0.05	-0.03	0.43
373	48	-0.01	-0.30	-3.71e-04	-0.73	0.0	-0.44	6.00	1.94	-0.06	-2.30	-6.74
		-6.74	-2.30	2.06e-03	0.0	120.0	-0.44	5.27	1.94	-0.06	-0.30	-0.01
373	49	24.68	4.85	1.34e-03	-0.73	0.0	0.43	-18.11	-4.05	0.04	4.85	24.68
		2.55	0.31	-1.81e-03	0.0	120.0	0.43	-18.84	-4.05	0.04	0.31	2.55
373	51	5.78	1.68	3.13e-04	-0.73	0.0	-1.89	-3.62	-1.50	-7.61e-03	1.68	5.78
		0.94	-0.24	6.63e-04	0.0	120.0	-1.89	-4.35	-1.50	-7.61e-03	-0.24	0.94
373	54	12.16	0.87	6.59e-04	-0.73	0.0	1.88	-8.48	-0.62	-8.10e-03	0.87	12.16
		1.60	0.25	-4.09e-04	0.0	120.0	1.88	-9.22	-0.62	-8.10e-03	0.25	1.60
373	75	17.69	4.80	9.63e-04	-0.73	0.0	-0.61	-12.76	-4.08	0.03	4.80	17.69
		1.93	0.05	-7.93e-04	0.0	120.0	-0.61	-13.49	-4.08	0.03	0.05	1.93
373	78	0.62	-0.04	8.74e-06	-0.73	0.0	0.60	0.65	1.96	-0.04	-2.25	0.25
		0.25	-2.25	1.05e-03	0.0	120.0	0.60	-0.08	1.96	-0.04	-0.04	0.61
373	80	0.30	-0.21	-1.70e-04	-0.73	0.0	-0.34	3.18	1.39	-0.05	-1.64	-3.05
		-3.05	-1.64	1.56e-03	0.0	120.0	-0.34	2.45	1.39	-0.05	-0.21	0.30
373	81	21.00	4.19	1.14e-03	-0.73	0.0	0.33	-15.28	-3.51	0.03	4.19	21.00

		2.24	0.22	-1.31e-03	0.0	120.0	0.33	-16.01	-3.51	0.03	0.22	2.24
373	83	6.16	1.63	3.33e-04	-0.73	0.0	-1.70	-3.90	-1.45	-7.57e-03	1.63	6.16
		0.98	-0.21	6.02e-04	0.0	120.0	-1.70	-4.63	-1.45	-7.57e-03	-0.21	0.98
373	86	11.79	0.92	6.38e-04	-0.73	0.0	1.69	-8.20	-0.67	-8.14e-03	0.92	11.79
		1.56	0.22	-3.48e-04	0.0	120.0	1.69	-8.93	-0.67	-8.14e-03	0.22	1.56
373	107	16.72	4.41	9.09e-04	-0.73	0.0	-0.55	-12.01	-3.75	0.02	4.41	16.72
		1.86	0.04	-6.89e-04	0.0	120.0	-0.55	-12.74	-3.75	0.02	0.04	1.86
373	110	1.22	-0.04	6.20e-05	-0.73	0.0	0.54	-0.09	1.63	-0.04	-1.86	1.22
		0.69	-1.86	9.43e-04	0.0	120.0	0.54	-0.83	1.63	-0.04	-0.04	0.69
373	112	0.41	-0.18	-9.67e-05	-0.73	0.0	-0.30	2.14	1.12	-0.04	-1.32	-1.70
		-1.70	-1.32	1.40e-03	0.0	120.0	-0.30	1.41	1.12	-0.04	-0.18	0.41
373	113	19.64	3.87	1.07e-03	-0.73	0.0	0.29	-14.24	-3.24	0.03	3.87	19.64
		2.13	0.19	-1.15e-03	0.0	120.0	0.29	-14.97	-3.24	0.03	0.19	2.13
373	115	3.69	1.98	1.99e-04	-0.73	0.0	-2.68	-2.02	-1.86	-8.42e-03	1.98	3.69
		0.66	-0.51	9.96e-04	0.0	120.0	-2.68	-2.75	-1.86	-8.42e-03	-0.51	0.66
373	118	14.25	0.57	7.73e-04	-0.73	0.0	2.67	-10.08	-0.25	-7.29e-03	0.57	14.25
		1.88	0.52	-7.42e-04	0.0	120.0	2.67	-10.82	-0.25	-7.29e-03	0.52	1.88
373	139	22.23	6.30	1.21e-03	-0.73	0.0	-0.87	-16.24	-5.40	0.04	6.30	22.23
		2.26	0.04	-1.39e-03	0.0	120.0	-0.87	-16.97	-5.40	0.04	0.04	2.26
373	142	0.28	-0.03	-2.38e-04	-0.73	0.0	0.86	4.13	3.29	-0.06	-3.75	-4.29
		-4.29	-3.75	1.65e-03	0.0	120.0	0.86	3.40	3.29	-0.06	-0.03	0.28
373	144	-0.26	-0.36	-5.31e-04	-0.73	0.0	-0.51	8.26	2.33	-0.07	-2.78	-9.68
		-9.68	-2.78	2.49e-03	0.0	120.0	-0.51	7.53	2.33	-0.07	-0.36	-0.26
373	145	27.63	5.33	1.50e-03	-0.73	0.0	0.51	-20.36	-4.45	0.05	5.33	27.63
		2.80	0.37	-2.23e-03	0.0	120.0	0.51	-21.09	-4.45	0.05	0.37	2.80
374	2	3.49	0.02	1.57e-04	-0.08	0.0	-6.22e-03	-34.82	-0.23	-0.27	0.02	3.49
		0.0	0.0	5.02e-05	0.0	10.0	-6.22e-03	-34.90	-0.23	-0.27	0.0	0.0
374	7	0.45	0.0	1.02e-05	-0.06	0.0	1.64e-03	-4.44	0.11	0.01	-0.01	0.45
		0.0	-0.01	1.51e-05	0.0	10.0	1.64e-03	-4.50	0.11	0.01	0.0	0.0
374	10	2.42	0.02	1.10e-04	-0.06	0.0	-4.35e-03	-24.17	-0.16	-0.19	0.02	2.42
		0.0	0.0	3.47e-05	0.0	10.0	-4.35e-03	-24.23	-0.16	-0.19	0.0	0.0
374	11	0.55	0.0	1.86e-05	-0.06	0.0	4.79e-04	-5.44	0.05	-8.41e-03	-5.39e-03	0.55
		0.0	-5.39e-03	1.35e-05	0.0	10.0	4.79e-04	-5.50	0.05	-8.41e-03	0.0	0.0
374	14	1.64	0.01	7.73e-05	-0.06	0.0	-3.72e-03	-16.35	-0.15	-0.13	0.01	1.64
		0.0	0.0	2.12e-05	0.0	10.0	-3.72e-03	-16.41	-0.15	-0.13	0.0	0.0
374	15	0.70	3.95e-03	3.19e-05	-0.06	0.0	-1.31e-03	-6.99	-0.04	-0.05	3.95e-03	0.70
		0.0	0.0	1.06e-05	0.0	10.0	-1.31e-03	-7.05	-0.04	-0.05	0.0	0.0
374	17	0.74	6.29e-03	3.52e-05	-0.06	0.0	-1.75e-03	-7.37	-0.06	-0.05	6.29e-03	0.74
		0.0	0.0	9.92e-06	0.0	10.0	-1.75e-03	-7.44	-0.06	-0.05	0.0	0.0
374	18	1.28	0.01	6.05e-05	-0.06	0.0	-2.94e-03	-12.76	-0.11	-0.10	0.01	1.28
		0.0	0.0	1.67e-05	0.0	10.0	-2.94e-03	-12.82	-0.11	-0.10	0.0	0.0
374	19	0.91	0.0	3.21e-05	-0.06	0.0	-3.67	-9.12	0.35	0.05	-0.03	0.91
		0.0	-0.03	7.88e-05	0.0	10.0	-3.67	-9.18	0.35	0.05	0.0	0.0
374	22	1.64	0.06	8.88e-05	-0.06	0.0	3.66	-16.41	-0.57	-0.26	0.06	1.64
		0.0	0.0	-4.54e-05	0.0	10.0	3.66	-16.47	-0.57	-0.26	0.0	0.0
374	38	0.68	0.0	1.33e-05	-0.06	0.0	1.18	-6.77	0.60	0.13	-0.06	0.68
		0.0	-0.06	1.14e-04	0.0	10.0	1.18	-6.83	0.60	0.13	0.0	0.0
374	48	0.01	0.0	-4.17e-05	-0.06	0.0	-0.70	-0.10	1.23	0.35	-0.12	0.01
		0.0	-0.12	1.92e-04	0.0	10.0	-0.70	-0.16	1.23	0.35	0.0	0.0
374	49	2.55	0.15	1.63e-04	-0.06	0.0	0.69	-25.42	-1.45	-0.56	0.15	2.55
		0.0	0.0	-1.59e-04	0.0	10.0	0.69	-25.48	-1.45	-0.56	0.0	0.0
374	55	1.08	0.0	4.59e-05	-0.06	0.0	-2.97	-10.79	0.19	-3.68e-03	-0.02	1.08
		0.0	-0.02	5.90e-05	0.0	10.0	-2.97	-10.85	0.19	-3.68e-03	0.0	0.0
374	58	1.48	0.04	7.50e-05	-0.06	0.0	2.97	-14.73	-0.41	-0.20	0.04	1.48
		0.0	0.0	-2.56e-05	0.0	10.0	2.97	-14.79	-0.41	-0.20	0.0	0.0
374	70	0.82	0.0	2.44e-05	-0.06	0.0	0.95	-8.20	0.42	0.07	-0.04	0.82
		0.0	-0.04	8.99e-05	0.0	10.0	0.95	-8.26	0.42	0.07	0.0	0.0
374	80	0.31	0.0	-1.77e-05	-0.06	0.0	-0.53	-3.11	0.89	0.24	-0.09	0.31
		0.0	-0.09	1.48e-04	0.0	10.0	-0.53	-3.17	0.89	0.24	0.0	0.0
374	81	2.24	0.11	1.39e-04	-0.06	0.0	0.52	-22.41	-1.12	-0.44	0.11	2.24
		0.0	0.0	-1.14e-04	0.0	10.0	0.52	-22.47	-1.12	-0.44	0.0	0.0
374	87	1.11	0.0	4.76e-05	-0.06	0.0	-2.67	-11.02	0.15	-0.02	-0.02	1.11
		0.0	-0.02	5.42e-05	0.0	10.0	-2.67	-11.08	0.15	-0.02	0.0	0.0
374	90	1.45	0.04	7.33e-05	-0.06	0.0	2.67	-14.50	-0.38	-0.19	0.04	1.45
		0.0	0.0	-2.08e-05	0.0	10.0	2.67	-14.56	-0.38	-0.19	0.0	0.0
374	102	0.87	0.0	2.84e-05	-0.06	0.0	0.85	-8.71	0.36	0.05	-0.04	0.87
		0.0	-0.04	8.16e-05	0.0	10.0	0.85	-8.77	0.36	0.05	0.0	0.0
374	112	0.42	0.0	-8.95e-06	-0.06	0.0	-0.47	-4.20	0.78	0.20	-0.08	0.42
		0.0	-0.08	1.33e-04	0.0	10.0	-0.47	-4.26	0.78	0.20	0.0	0.0
374	113	2.14	0.10	1.30e-04	-0.06	0.0	0.46	-21.33	-1.00	-0.40	0.10	2.14
		0.0	0.0	-9.96e-05	0.0	10.0	0.46	-21.39	-1.00	-0.40	0.0	0.0
374	115	0.84	0.0	2.61e-05	-0.06	0.0	-4.24	-8.35	0.44	0.08	-0.04	0.84
		0.0	-0.04	9.17e-05	0.0	10.0	-4.24	-8.41	0.44	0.08	0.0	0.0
374	118	1.72	0.07	9.48e-05	-0.06	0.0	4.24	-17.18	-0.67	-0.29	0.07	1.72
		0.0	0.0	-5.83e-05	0.0	10.0	4.24	-17.24	-0.67	-0.29	0.0	0.0

374	144	0.0	0.0	-6.08e-05	-0.06	0.0	-0.81	2.32	1.51	0.44	-0.15	-0.23
		-0.23	-0.15	2.29e-04	0.0	10.0	-0.81	2.26	1.51	0.44	0.0	0.0
374	145	2.79	0.17	1.82e-04	-0.06	0.0	0.81	-27.85	-1.73	-0.65	0.17	2.79
		0.0	0.0	-1.96e-04	0.0	10.0	0.81	-27.91	-1.73	-0.65	0.0	0.0
377	1	1.24	0.26	5.66e-05	-0.08	0.0	-0.03	-12.41	-2.56	0.02	0.26	1.24
		0.0	0.0	-5.37e-05	0.0	10.0	-0.03	-12.49	-2.56	0.02	0.0	0.0
377	2	4.99	1.00	2.39e-04	-0.08	0.0	-0.04	-49.91	-9.96	-0.06	1.00	4.99
		0.0	0.0	-8.75e-05	0.0	10.0	-0.04	-49.99	-9.96	-0.06	0.0	0.0
377	3	0.94	0.20	4.23e-05	-0.06	0.0	-0.02	-9.39	-2.04	0.02	0.20	0.94
		0.0	0.0	-4.76e-05	0.0	10.0	-0.02	-9.46	-2.04	0.02	0.0	0.0
377	5	1.22	0.27	5.33e-05	-0.08	0.0	-0.04	-12.14	-2.73	0.04	0.27	1.22
		0.0	0.0	-7.73e-05	0.0	10.0	-0.04	-12.22	-2.73	0.04	0.0	0.0
377	6	3.84	0.79	1.81e-04	-0.08	0.0	-0.05	-38.39	-7.91	-9.63e-03	0.79	3.84
		0.0	0.0	-1.01e-04	0.0	10.0	-0.05	-38.47	-7.91	-9.63e-03	0.0	0.0
377	9	0.96	0.20	4.40e-05	-0.06	0.0	-0.02	-9.56	-1.95	9.71e-03	0.20	0.96
		0.0	0.0	-3.68e-05	0.0	10.0	-0.02	-9.62	-1.95	9.71e-03	0.0	0.0
377	10	3.46	0.69	1.66e-04	-0.06	0.0	-0.03	-34.56	-6.88	-0.04	0.69	3.46
		0.0	0.0	-5.94e-05	0.0	10.0	-0.03	-34.62	-6.88	-0.04	0.0	0.0
377	11	0.94	0.21	4.18e-05	-0.06	0.0	-0.03	-9.38	-2.07	0.03	0.21	0.94
		0.0	0.0	-5.26e-05	0.0	10.0	-0.03	-9.44	-2.07	0.03	0.0	0.0
377	12	2.69	0.55	1.27e-04	-0.06	0.0	-0.03	-26.88	-5.52	-9.42e-03	0.55	2.69
		0.0	0.0	-6.84e-05	0.0	10.0	-0.03	-26.94	-5.52	-9.42e-03	0.0	0.0
377	13	0.99	0.18	4.74e-05	-0.06	0.0	-3.33e-03	-9.83	-1.78	-0.02	0.18	0.99
		0.0	0.0	-1.33e-05	0.0	10.0	-3.33e-03	-9.89	-1.78	-0.02	0.0	0.0
377	14	2.24	0.42	1.08e-04	-0.06	0.0	-8.79e-03	-22.33	-4.25	-0.04	0.42	2.24
		0.0	0.0	-2.45e-05	0.0	10.0	-8.79e-03	-22.39	-4.25	-0.04	0.0	0.0
377	15	0.98	0.18	4.63e-05	-0.06	0.0	-8.13e-03	-9.74	-1.84	-7.34e-03	0.18	0.98
		0.0	0.0	-2.11e-05	0.0	10.0	-8.13e-03	-9.80	-1.84	-7.34e-03	0.0	0.0
377	16	1.73	0.33	8.27e-05	-0.06	0.0	-0.01	-17.24	-3.32	-0.02	0.33	1.73
		0.0	0.0	-2.79e-05	0.0	10.0	-0.01	-17.30	-3.32	-0.02	0.0	0.0
377	17	0.99	0.18	4.74e-05	-0.06	0.0	-3.33e-03	-9.83	-1.78	-0.02	0.18	0.99
		0.0	0.0	-1.33e-05	0.0	10.0	-3.33e-03	-9.89	-1.78	-0.02	0.0	0.0
377	18	1.74	0.33	8.38e-05	-0.06	0.0	-6.61e-03	-17.33	-3.26	-0.03	0.33	1.74
		0.0	0.0	-2.00e-05	0.0	10.0	-6.61e-03	-17.39	-3.26	-0.03	0.0	0.0
377	20	1.76	0.39	6.41e-05	-0.06	0.0	-6.43	-17.57	-3.94	0.51	0.39	1.76
		0.0	0.0	2.12e-04	0.0	10.0	-6.43	-17.63	-3.94	0.51	0.0	0.0
377	21	1.71	0.26	1.04e-04	-0.06	0.0	6.41	-17.09	-2.58	-0.58	0.26	1.71
		0.0	0.0	-2.52e-04	0.0	10.0	6.41	-17.15	-2.58	-0.58	0.0	0.0
377	43	1.88	0.55	9.94e-05	-0.06	0.0	1.27	-18.74	-5.51	-0.49	0.55	1.88
		0.0	0.0	-2.03e-04	0.0	10.0	1.27	-18.80	-5.51	-0.49	0.0	0.0
377	45	1.85	0.49	1.08e-04	-0.06	0.0	4.58	-18.46	-4.86	-0.73	0.49	1.85
		0.0	0.0	-3.01e-04	0.0	10.0	4.58	-18.52	-4.86	-0.73	0.0	0.0
377	47	1.88	0.55	6.37e-05	-0.06	0.0	2.12	-18.74	-5.53	-0.49	0.55	1.88
		0.0	0.0	-2.05e-04	0.0	10.0	2.12	-18.80	-5.53	-0.49	0.0	0.0
377	48	1.62	0.17	2.38e-05	-0.06	0.0	-3.74	-16.20	-1.68	0.67	0.17	1.62
		0.0	0.0	2.59e-04	0.0	10.0	-3.74	-16.26	-1.68	0.67	0.0	0.0
377	52	1.75	0.38	6.92e-05	-0.06	0.0	-4.67	-17.46	-3.75	0.38	0.38	1.75
		0.0	0.0	1.54e-04	0.0	10.0	-4.67	-17.52	-3.75	0.38	0.0	0.0
377	53	1.72	0.28	9.85e-05	-0.06	0.0	4.66	-17.21	-2.77	-0.44	0.28	1.72
		0.0	0.0	-1.95e-04	0.0	10.0	4.66	-17.27	-2.77	-0.44	0.0	0.0
377	75	1.85	0.50	9.51e-05	-0.06	0.0	0.99	-18.47	-4.98	-0.38	0.50	1.85
		0.0	0.0	-1.58e-04	0.0	10.0	0.99	-18.53	-4.98	-0.38	0.0	0.0
377	77	1.83	0.45	1.02e-04	-0.06	0.0	3.39	-18.27	-4.50	-0.56	0.45	1.83
		0.0	0.0	-2.32e-04	0.0	10.0	3.39	-18.34	-4.50	-0.56	0.0	0.0
377	79	1.85	0.50	6.89e-05	-0.06	0.0	1.60	-18.46	-5.00	-0.38	0.50	1.85
		0.0	0.0	-1.60e-04	0.0	10.0	1.60	-18.52	-5.00	-0.38	0.0	0.0
377	80	1.64	0.20	3.98e-05	-0.06	0.0	-2.79	-16.39	-2.04	0.50	0.20	1.64
		0.0	0.0	1.91e-04	0.0	10.0	-2.79	-16.45	-2.04	0.50	0.0	0.0
377	84	1.75	0.37	7.08e-05	-0.06	0.0	-4.13	-17.44	-3.70	0.33	0.37	1.75
		0.0	0.0	1.35e-04	0.0	10.0	-4.13	-17.50	-3.70	0.33	0.0	0.0
377	85	1.73	0.28	9.68e-05	-0.06	0.0	4.11	-17.23	-2.82	-0.39	0.28	1.73
		0.0	0.0	-1.75e-04	0.0	10.0	4.11	-17.29	-2.82	-0.39	0.0	0.0
377	107	1.84	0.48	9.38e-05	-0.06	0.0	0.88	-18.34	-4.79	-0.34	0.48	1.84
		0.0	0.0	-1.43e-04	0.0	10.0	0.88	-18.40	-4.79	-0.34	0.0	0.0
377	109	1.82	0.44	9.96e-05	-0.06	0.0	3.00	-18.17	-4.36	-0.50	0.44	1.82
		0.0	0.0	-2.08e-04	0.0	10.0	3.00	-18.23	-4.36	-0.50	0.0	0.0
377	111	1.84	0.48	7.06e-05	-0.06	0.0	1.42	-18.34	-4.80	-0.34	0.48	1.84
		0.0	0.0	-1.44e-04	0.0	10.0	1.42	-18.40	-4.80	-0.34	0.0	0.0
377	112	1.65	0.22	4.49e-05	-0.06	0.0	-2.47	-16.49	-2.17	0.44	0.22	1.65
		0.0	0.0	1.67e-04	0.0	10.0	-2.47	-16.55	-2.17	0.44	0.0	0.0
377	116	1.77	0.41	6.00e-05	-0.06	0.0	-7.75	-17.65	-4.09	0.63	0.41	1.77
		0.0	0.0	2.60e-04	0.0	10.0	-7.75	-17.71	-4.09	0.63	0.0	0.0
377	117	1.70	0.24	1.08e-04	-0.06	0.0	7.73	-17.01	-2.43	-0.69	0.24	1.70
		0.0	0.0	-3.00e-04	0.0	10.0	7.73	-17.08	-2.43	-0.69	0.0	0.0
377	139	1.90	0.60	1.03e-04	-0.06	0.0	1.49	-18.94	-5.96	-0.59	0.60	1.90

		0.0	0.0	-2.41e-04	0.0	10.0	1.49	-19.00	-5.96	-0.59	0.0	0.0
377	141	1.86	0.52	1.14e-04	-0.06	0.0	5.49	-18.59	-5.16	-0.88	0.52	1.86
		0.0	0.0	-3.60e-04	0.0	10.0	5.49	-18.65	-5.16	-0.88	0.0	0.0
377	143	1.90	0.60	5.98e-05	-0.06	0.0	2.52	-18.94	-5.98	-0.59	0.60	1.90
		0.0	0.0	-2.43e-04	0.0	10.0	2.52	-19.00	-5.98	-0.59	0.0	0.0
377	144	1.61	0.14	1.08e-05	-0.06	0.0	-4.47	-16.07	-1.38	0.82	0.14	1.61
		0.0	0.0	3.17e-04	0.0	10.0	-4.47	-16.13	-1.38	0.82	0.0	0.0
378	2	36.35	1.77	1.92e-03	-0.95	0.0	-0.03	-25.68	-0.62	-0.07	1.77	36.35
		4.96	1.02	-1.28e-03	0.0	120.0	-0.03	-26.63	-0.62	-0.07	1.02	4.96
378	3	6.54	0.92	3.31e-04	-0.73	0.0	-0.02	-4.31	-0.58	-0.01	0.92	6.54
		0.94	0.22	-6.50e-04	0.0	120.0	-0.02	-5.04	-0.58	-0.01	0.22	0.94
378	6	27.62	2.04	1.44e-03	-0.95	0.0	-0.04	-19.36	-1.02	-0.05	2.04	27.62
		3.82	0.82	-1.43e-03	0.0	120.0	-0.04	-20.31	-1.02	-0.05	0.82	3.82
378	7	6.08	1.45	3.02e-04	-0.73	0.0	-0.03	-3.94	-1.01	-0.01	1.45	6.08
		0.91	0.24	-9.66e-04	0.0	120.0	-0.03	-4.67	-1.01	-0.01	0.24	0.91
378	8	25.36	2.06	1.33e-03	-0.73	0.0	-0.04	-17.84	-1.08	-0.05	2.06	25.36
		3.52	0.77	-1.35e-03	0.0	120.0	-0.04	-18.57	-1.08	-0.05	0.77	3.52
378	9	6.81	0.63	3.46e-04	-0.73	0.0	-0.01	-4.52	-0.35	-0.01	0.63	6.81
		0.95	0.21	-5.03e-04	0.0	120.0	-0.01	-5.25	-0.35	-0.01	0.21	0.95
378	10	25.18	1.21	1.33e-03	-0.73	0.0	-0.02	-17.75	-0.42	-0.05	1.21	25.18
		3.44	0.71	-8.69e-04	0.0	120.0	-0.02	-18.48	-0.42	-0.05	0.71	3.44
378	11	6.50	0.98	3.26e-04	-0.73	0.0	-0.02	-4.27	-0.63	-0.01	0.98	6.50
		0.94	0.22	-7.14e-04	0.0	120.0	-0.02	-5.00	-0.63	-0.01	0.22	0.94
378	12	19.36	1.39	1.01e-03	-0.73	0.0	-0.02	-13.54	-0.68	-0.04	1.39	19.36
		2.67	0.57	-9.70e-04	0.0	120.0	-0.02	-14.27	-0.68	-0.04	0.57	2.67
378	13	7.28	0.18	3.75e-04	-0.73	0.0	-1.25e-03	-4.88	0.07	-0.01	0.09	7.28
		0.98	0.09	-1.87e-04	0.0	120.0	-1.25e-03	-5.61	0.07	-0.01	0.18	0.98
378	14	16.46	0.43	8.66e-04	-0.73	0.0	-4.81e-03	-11.50	0.04	-0.03	0.38	16.46
		2.22	0.38	-3.70e-04	0.0	120.0	-4.81e-03	-12.23	0.04	-0.03	0.43	2.22
378	15	7.12	0.27	3.66e-04	-0.73	0.0	-5.00e-03	-4.76	-0.07	-0.01	0.27	7.12
		0.97	0.19	-2.92e-04	0.0	120.0	-5.00e-03	-5.49	-0.07	-0.01	0.19	0.97
378	16	12.63	0.45	6.60e-04	-0.73	0.0	-7.14e-03	-8.73	-0.09	-0.02	0.45	12.63
		1.72	0.34	-4.02e-04	0.0	120.0	-7.14e-03	-9.46	-0.09	-0.02	0.34	1.72
378	17	7.28	0.18	3.75e-04	-0.73	0.0	-1.25e-03	-4.88	0.07	-0.01	0.09	7.28
		0.98	0.09	-1.87e-04	0.0	120.0	-1.25e-03	-5.61	0.07	-0.01	0.18	0.98
378	18	12.79	0.33	6.70e-04	-0.73	0.0	-3.38e-03	-8.85	0.05	-0.02	0.27	12.79
		1.72	0.27	-2.97e-04	0.0	120.0	-3.38e-03	-9.58	0.05	-0.02	0.33	1.72
378	20	10.25	1.59	4.67e-04	-0.73	0.0	-4.26	-6.75	-1.45	-0.02	1.59	10.25
		1.20	-0.34	2.27e-03	0.0	120.0	-4.26	-7.48	-1.45	-0.02	-0.34	1.20
378	21	15.32	1.00	8.73e-04	-0.73	0.0	4.25	-10.96	1.55	-0.03	-1.06	15.32
		2.25	-1.06	-2.87e-03	0.0	120.0	4.25	-11.69	1.55	-0.03	1.00	2.25
378	24	10.01	1.62	4.47e-04	-0.73	0.0	-4.26	-6.56	-1.48	-0.02	1.62	10.01
		1.19	-0.35	2.06e-03	0.0	120.0	-4.26	-7.29	-1.48	-0.02	-0.35	1.19
378	44	9.03	1.92	3.69e-04	-0.73	0.0	-3.02	-5.77	-1.61	-0.05	1.92	9.03
		1.45	-0.11	1.79e-03	0.0	120.0	-3.02	-6.51	-1.61	-0.05	-0.11	1.45
378	45	16.55	0.77	9.71e-04	-0.73	0.0	3.01	-11.93	1.72	-1.34e-03	-1.38	16.55
		2.00	-1.38	-2.39e-03	0.0	120.0	3.01	-12.66	1.72	-1.34e-03	0.77	2.00
378	49	16.57	0.76	9.37e-04	-0.73	0.0	2.40	-11.95	1.71	-2.36e-03	-1.38	16.57
		1.99	-1.38	-2.35e-03	0.0	120.0	2.40	-12.68	1.71	-2.36e-03	0.76	1.99
378	56	10.70	1.28	5.03e-04	-0.73	0.0	-3.11	-7.13	-1.04	-0.02	1.28	10.70
		1.38	-0.11	1.43e-03	0.0	120.0	-3.11	-7.86	-1.04	-0.02	-0.11	1.38
378	57	14.87	0.77	8.37e-04	-0.73	0.0	3.10	-10.57	1.15	-0.02	-0.74	14.87
		2.07	-0.74	-2.03e-03	0.0	120.0	3.10	-11.30	1.15	-0.02	0.77	2.07
378	76	9.92	1.52	4.39e-04	-0.73	0.0	-2.25	-6.51	-1.20	-0.04	1.52	9.92
		1.54	0.02	1.13e-03	0.0	120.0	-2.25	-7.24	-1.20	-0.04	0.02	1.54
378	77	15.66	0.64	9.01e-04	-0.73	0.0	2.24	-11.20	1.30	-5.48e-03	-0.99	15.66
		1.91	-0.99	-1.72e-03	0.0	120.0	2.24	-11.93	1.30	-5.48e-03	0.64	1.91
378	81	15.67	0.63	8.76e-04	-0.73	0.0	1.81	-11.21	1.30	-6.22e-03	-0.98	15.67
		1.91	-0.98	-1.70e-03	0.0	120.0	1.81	-11.94	1.30	-6.22e-03	0.63	1.91
378	88	10.94	1.16	5.22e-04	-0.73	0.0	-2.75	-7.33	-0.92	-0.02	1.16	10.94
		1.43	-0.06	1.24e-03	0.0	120.0	-2.75	-8.06	-0.92	-0.02	-0.06	1.43
378	89	14.64	0.72	8.18e-04	-0.73	0.0	2.74	-10.38	1.02	-0.02	-0.63	14.64
		2.02	-0.63	-1.83e-03	0.0	120.0	2.74	-11.11	1.02	-0.02	0.72	2.02
378	108	10.24	1.38	4.65e-04	-0.73	0.0	-1.99	-6.77	-1.06	-0.04	1.38	10.24
		1.56	0.06	9.65e-04	0.0	120.0	-1.99	-7.50	-1.06	-0.04	0.06	1.56
378	109	15.34	0.60	8.75e-04	-0.73	0.0	1.98	-10.94	1.16	-7.45e-03	-0.85	15.34
		1.89	-0.85	-1.56e-03	0.0	120.0	1.98	-11.67	1.16	-7.45e-03	0.60	1.89
378	113	15.35	0.60	8.53e-04	-0.73	0.0	1.60	-10.95	1.16	-8.11e-03	-0.84	15.35
		1.89	-0.84	-1.54e-03	0.0	120.0	1.60	-11.68	1.16	-8.11e-03	0.60	1.89
378	116	9.73	1.88	4.24e-04	-0.73	0.0	-5.13	-6.31	-1.79	-0.02	1.88	9.73
		1.06	-0.51	2.82e-03	0.0	120.0	-5.13	-7.04	-1.79	-0.02	-0.51	1.06
378	117	15.85	1.17	9.15e-04	-0.73	0.0	5.12	-11.40	1.89	-0.03	-1.34	15.85
		2.39	-1.34	-3.41e-03	0.0	120.0	5.12	-12.13	1.89	-0.03	1.17	2.39
378	120	9.45	1.90	4.02e-04	-0.73	0.0	-5.12	-6.09	-1.82	-0.02	1.90	9.45
		1.05	-0.53	2.61e-03	0.0	120.0	-5.12	-6.82	-1.82	-0.02	-0.53	1.05

378	140	8.30	2.25	3.12e-04	-0.73	0.0	-3.61	-5.18	-1.96	-0.05	2.25	8.30
		1.39	-0.21	2.41e-03	0.0	120.0	-3.61	-5.91	-1.96	-0.05	-0.21	1.39
378	141	17.27	0.87	1.03e-03	-0.73	0.0	3.60	-12.53	2.06	1.62e-03	-1.71	17.27
		2.05	-1.71	-3.00e-03	0.0	120.0	3.60	-13.26	2.06	1.62e-03	0.87	2.05
378	145	17.30	0.86	9.87e-04	-0.73	0.0	2.87	-12.55	2.05	3.84e-04	-1.71	17.30
		2.04	-1.71	-2.96e-03	0.0	120.0	2.87	-13.28	2.05	3.84e-04	0.86	2.04
380	1	0.29	0.83	-9.52e-05	-0.95	0.0	0.04	0.70	0.32	3.88e-03	0.44	-0.02
		-0.02	0.44	-1.01e-03	0.0	120.0	0.04	-0.25	0.32	3.88e-03	0.83	0.25
380	2	-0.08	1.23	-9.49e-05	-0.95	0.0	0.08	0.53	0.69	7.94e-03	0.40	-0.26
		-0.26	0.40	-1.74e-03	0.0	120.0	0.08	-0.42	0.69	7.94e-03	1.23	-0.19
380	3	0.16	0.89	-6.90e-05	-0.73	0.0	0.04	0.47	0.38	3.61e-03	0.44	-0.03
		-0.03	0.44	-9.41e-04	0.0	120.0	0.04	-0.26	0.38	3.61e-03	0.89	0.10
380	6	-0.11	1.71	-1.02e-04	-0.95	0.0	0.08	0.41	0.83	8.53e-03	0.71	-0.22
		-0.30	0.71	-2.02e-03	0.0	120.0	0.08	-0.54	0.83	8.53e-03	1.71	-0.30
380	8	-0.20	1.78	-7.58e-05	-0.73	0.0	0.08	0.18	0.88	8.26e-03	0.72	-0.23
		-0.44	0.72	-1.95e-03	0.0	120.0	0.08	-0.55	0.88	8.26e-03	1.78	-0.44
380	9	0.25	0.56	-6.93e-05	-0.73	0.0	0.03	0.56	0.23	2.71e-03	0.29	-9.91e-03
		-9.91e-03	0.29	-6.94e-04	0.0	120.0	0.03	-0.17	0.23	2.71e-03	0.56	0.23
380	10	-5.70e-04	0.83	-6.90e-05	-0.73	0.0	0.06	0.45	0.47	5.42e-03	0.27	-0.17
		-0.17	0.27	-1.18e-03	0.0	120.0	0.06	-0.28	0.47	5.42e-03	0.83	-0.06
380	12	-0.03	1.15	-7.38e-05	-0.73	0.0	0.06	0.37	0.57	5.81e-03	0.48	-0.14
		-0.14	0.48	-1.37e-03	0.0	120.0	0.06	-0.36	0.57	5.81e-03	1.15	-0.14
380	13	0.47	-0.01	-6.22e-05	-0.73	0.0	0.01	0.74	-0.03	9.02e-04	-0.01	0.02
		0.02	-0.04	-1.92e-04	0.0	120.0	0.01	4.42e-03	-0.03	9.02e-04	-0.04	0.47
380	14	0.32	0.09	-6.21e-05	-0.73	0.0	0.03	0.68	0.09	2.26e-03	-0.02	-0.06
		-0.06	-0.02	-4.34e-04	0.0	120.0	0.03	-0.05	0.09	2.26e-03	0.09	0.32
380	16	0.31	0.24	-6.45e-05	-0.73	0.0	0.03	0.64	0.13	2.32e-03	0.08	-0.03
		-0.03	0.08	-5.05e-04	0.0	120.0	0.03	-0.09	0.13	2.32e-03	0.24	0.30
380	17	0.47	-0.01	-6.22e-05	-0.73	0.0	0.01	0.74	-0.03	9.02e-04	-0.01	0.02
		0.02	-0.04	-1.92e-04	0.0	120.0	0.01	4.42e-03	-0.03	9.02e-04	-0.04	0.47
380	18	0.38	0.04	-6.22e-05	-0.73	0.0	0.02	0.70	0.04	1.71e-03	-0.02	-0.02
		-0.02	-0.02	-3.37e-04	0.0	120.0	0.02	-0.03	0.04	1.71e-03	0.04	0.38
380	19	-0.14	1.02	2.45e-04	-0.73	0.0	2.47	-0.26	0.81	8.13e-03	0.05	-0.14
		-0.88	0.05	1.02e-03	0.0	120.0	2.47	-0.99	0.81	8.13e-03	1.02	-0.88
380	22	1.64	-0.08	-3.69e-04	-0.73	0.0	-2.42	1.66	-0.72	-4.70e-03	-0.08	0.09
		0.09	-0.95	-1.70e-03	0.0	120.0	-2.42	0.93	-0.72	-4.70e-03	-0.95	1.64
380	48	-0.40	3.01	-3.24e-04	-0.73	0.0	-0.77	-2.58	2.36	-3.23e-03	0.18	-0.40
		-3.94	0.18	-2.03e-03	0.0	120.0	-0.77	-3.31	2.36	-3.23e-03	3.01	-3.94
380	49	4.70	-0.22	2.00e-04	-0.73	0.0	0.81	3.99	-2.27	6.66e-03	-0.22	0.35
		0.35	-2.93	1.36e-03	0.0	120.0	0.81	3.26	-2.27	6.66e-03	-2.93	4.70
380	51	-0.11	0.77	1.63e-04	-0.73	0.0	1.79	5.51e-05	0.61	6.37e-03	0.03	-0.11
		-0.55	0.03	7.12e-04	0.0	120.0	1.79	-0.73	0.61	6.37e-03	0.77	-0.55
380	54	1.31	-0.07	-2.88e-04	-0.73	0.0	-1.75	1.40	-0.52	-2.94e-03	-0.07	0.06
		0.06	-0.70	-1.39e-03	0.0	120.0	-1.75	0.67	-0.52	-2.94e-03	-0.70	1.31
380	80	-0.31	2.27	-2.63e-04	-0.73	0.0	-0.56	-1.80	1.79	-2.02e-03	0.13	-0.31
		-2.90	0.13	-1.91e-03	0.0	120.0	-0.56	-2.53	1.79	-2.02e-03	2.27	-2.90
380	81	3.66	-0.17	1.38e-04	-0.73	0.0	0.60	3.20	-1.70	5.45e-03	-0.17	0.26
		0.26	-2.19	1.23e-03	0.0	120.0	0.60	2.47	-1.70	5.45e-03	-2.19	3.66
380	83	-0.09	0.69	1.37e-04	-0.73	0.0	1.58	0.08	0.55	5.83e-03	0.03	-0.10
		-0.44	0.03	5.98e-04	0.0	120.0	1.58	-0.65	0.55	5.83e-03	0.69	-0.44
380	86	1.20	-0.06	-2.62e-04	-0.73	0.0	-1.54	1.32	-0.46	-2.40e-03	-0.06	0.05
		0.05	-0.61	-1.27e-03	0.0	120.0	-1.54	0.59	-0.46	-2.40e-03	-0.61	1.20
380	112	-0.28	2.02	-2.40e-04	-0.73	0.0	-0.49	-1.52	1.59	-1.60e-03	0.12	-0.28
		-2.53	0.12	-1.74e-03	0.0	120.0	-0.49	-2.25	1.59	-1.60e-03	2.02	-2.53
380	113	3.29	-0.15	1.16e-04	-0.73	0.0	0.54	2.92	-1.50	5.03e-03	-0.15	0.23
		0.23	-1.94	1.07e-03	0.0	120.0	0.54	2.19	-1.50	5.03e-03	-1.94	3.29
380	115	-0.16	1.23	3.08e-04	-0.73	0.0	2.97	-0.46	0.97	9.44e-03	0.06	-0.16
		-1.15	0.06	1.28e-03	0.0	120.0	2.97	-1.19	0.97	9.44e-03	1.23	-1.15
380	118	1.91	-0.10	-4.32e-04	-0.73	0.0	-2.93	1.86	-0.88	-6.01e-03	-0.10	0.11
		0.11	-1.15	-1.95e-03	0.0	120.0	-2.93	1.13	-0.88	-6.01e-03	-1.15	1.91
380	144	-0.47	3.62	-3.73e-04	-0.73	0.0	-0.92	-3.21	2.84	-4.14e-03	0.22	-0.47
		-4.76	0.22	-2.02e-03	0.0	120.0	-0.92	-3.94	2.84	-4.14e-03	3.62	-4.76
380	145	5.52	-0.26	2.49e-04	-0.73	0.0	0.97	4.61	-2.76	7.57e-03	-0.26	0.43
		0.43	-3.55	1.35e-03	0.0	120.0	0.97	3.88	-2.76	7.57e-03	-3.55	5.52
387	1	0.21	0.02	7.81e-05	-0.67	0.0	17.65	-0.20	7.03e-03	-5.68e-03	0.01	0.21
		-0.65	0.01	-1.22e-04	0.0	160.0	17.65	-0.87	7.03e-03	-5.68e-03	0.02	-0.65
387	3	0.18	0.06	6.75e-05	-0.51	0.0	13.62	-0.15	0.02	-5.91e-03	0.03	0.18
		-0.46	0.03	-1.72e-04	0.0	160.0	13.62	-0.66	0.02	-5.91e-03	0.06	-0.46
387	4	0.37	0.30	1.17e-04	-0.51	0.0	14.06	-0.03	0.09	-0.01	0.15	0.37
		-0.08	0.15	-3.88e-04	0.0	160.0	14.06	-0.54	0.09	-0.01	0.30	-0.08
387	6	0.43	0.24	1.32e-04	-0.67	0.0	18.13	-0.07	0.07	-0.01	0.12	0.43
		-0.21	0.12	-4.00e-04	0.0	160.0	18.13	-0.73	0.07	-0.01	0.24	-0.21
387	9	0.14	0.02	5.74e-05	-0.51	0.0	13.54	-0.17	7.23e-03	-3.87e-03	0.01	0.14
		-0.54	0.01	-8.95e-05	0.0	160.0	13.54	-0.68	7.23e-03	-3.87e-03	0.02	-0.54
387	10	0.27	0.18	9.06e-05	-0.51	0.0	13.83	-0.09	0.06	-8.97e-03	0.09	0.27

		-0.28	0.09	-2.34e-04	0.0	160.0	13.83	-0.60	0.06	-8.97e-03	0.18	-0.28
387	12	0.29	0.17	9.36e-05	-0.51	0.0	13.86	-0.08	0.05	-0.01	0.08	0.29
		-0.25	0.08	-2.74e-04	0.0	160.0	13.86	-0.59	0.05	-0.01	0.17	-0.25
387	13	0.06	-0.01	3.80e-05	-0.51	0.0	13.36	-0.22	-7.66e-03	-1.87e-05	-0.01	0.06
		-0.70	-0.02	3.63e-05	0.0	160.0	13.36	-0.73	-7.66e-03	-1.87e-05	-0.02	-0.70
387	14	0.12	0.05	5.46e-05	-0.51	0.0	13.51	-0.18	0.02	-2.57e-03	0.03	0.12
		-0.57	0.03	-3.60e-05	0.0	160.0	13.51	-0.69	0.02	-2.57e-03	0.05	-0.57
387	16	0.12	0.04	5.44e-05	-0.51	0.0	13.51	-0.18	0.01	-2.83e-03	0.02	0.12
		-0.57	0.02	-4.90e-05	0.0	160.0	13.51	-0.69	0.01	-2.83e-03	0.04	-0.57
387	17	0.06	-0.01	3.80e-05	-0.51	0.0	13.36	-0.22	-7.66e-03	-1.87e-05	-0.01	0.06
		-0.70	-0.02	3.63e-05	0.0	160.0	13.36	-0.73	-7.66e-03	-1.87e-05	-0.02	-0.70
387	18	0.10	0.02	4.80e-05	-0.51	0.0	13.45	-0.20	7.09e-03	-1.55e-03	0.01	0.10
		-0.63	0.01	-7.82e-06	0.0	160.0	13.45	-0.71	7.09e-03	-1.55e-03	0.02	-0.63
387	36	8.90	5.36	1.06e-03	-0.51	0.0	23.60	2.77	1.73	-0.13	2.60	4.87
		4.87	2.60	-9.34e-03	0.0	160.0	23.60	2.26	1.73	-0.13	5.36	8.90
387	37	-4.68	-2.58	-9.63e-04	-0.51	0.0	3.30	-3.16	-1.71	0.13	-2.58	-4.68
		-10.15	-5.31	9.33e-03	0.0	160.0	3.30	-3.68	-1.71	0.13	-5.31	-10.15
387	40	8.84	5.32	1.09e-03	-0.51	0.0	23.92	2.75	1.71	-0.13	2.59	4.84
		4.84	2.59	-9.07e-03	0.0	160.0	23.92	2.24	1.71	-0.13	5.32	8.84
387	41	-4.65	-2.57	-9.93e-04	-0.51	0.0	2.99	-3.15	-1.69	0.13	-2.57	-4.65
		-10.09	-5.27	9.05e-03	0.0	160.0	2.99	-3.66	-1.69	0.13	-5.27	-10.09
387	68	6.55	4.03	8.16e-04	-0.51	0.0	21.15	2.04	1.30	-0.10	1.96	3.69
		3.69	1.96	-6.92e-03	0.0	160.0	21.15	1.53	1.30	-0.10	4.03	6.55
387	69	-3.50	-1.94	-7.20e-04	-0.51	0.0	5.75	-2.43	-1.28	0.10	-1.94	-3.50
		-7.80	-3.99	6.91e-03	0.0	160.0	5.75	-2.94	-1.28	0.10	-3.99	-7.80
387	72	6.53	4.01	8.38e-04	-0.51	0.0	21.39	2.03	1.29	-0.10	1.95	3.68
		3.68	1.95	-6.73e-03	0.0	160.0	21.39	1.52	1.29	-0.10	4.01	6.53
387	73	-3.49	-1.93	-7.42e-04	-0.51	0.0	5.51	-2.43	-1.27	0.10	-1.93	-3.49
		-7.78	-3.96	6.72e-03	0.0	160.0	5.51	-2.94	-1.27	0.10	-3.96	-7.78
387	100	5.74	3.58	7.31e-04	-0.51	0.0	20.30	1.79	1.15	-0.09	1.74	3.29
		3.29	1.74	-6.13e-03	0.0	160.0	20.30	1.28	1.15	-0.09	3.58	5.74
387	101	-3.10	-1.72	-6.35e-04	-0.51	0.0	6.61	-2.18	-1.14	0.09	-1.72	-3.10
		-7.00	-3.53	6.12e-03	0.0	160.0	6.61	-2.69	-1.14	0.09	-3.53	-7.00
387	104	5.73	3.56	7.50e-04	-0.51	0.0	20.50	1.79	1.14	-0.09	1.73	3.28
		3.28	1.73	-5.96e-03	0.0	160.0	20.50	1.27	1.14	-0.09	3.56	5.73
387	105	-3.09	-1.71	-6.54e-04	-0.51	0.0	6.40	-2.18	-1.13	0.09	-1.71	-3.09
		-6.98	-3.51	5.95e-03	0.0	160.0	6.40	-2.69	-1.13	0.09	-3.51	-6.98
387	132	10.84	6.46	1.27e-03	-0.51	0.0	25.70	3.38	2.08	-0.16	3.14	5.84
		5.84	3.14	-0.01	0.0	160.0	25.70	2.87	2.08	-0.16	6.46	10.84
387	133	-5.65	-3.11	-1.18e-03	-0.51	0.0	1.20	-3.77	-2.07	0.16	-3.11	-5.65
		-12.09	-6.42	0.01	0.0	160.0	1.20	-4.28	-2.07	0.16	-6.42	-12.09
387	136	10.76	6.42	1.31e-03	-0.51	0.0	26.09	3.35	2.06	-0.16	3.13	5.80
		5.80	3.13	-0.01	0.0	160.0	26.09	2.84	2.06	-0.16	6.42	10.76
387	137	-5.61	-3.11	-1.21e-03	-0.51	0.0	0.81	-3.74	-2.05	0.15	-3.11	-5.61
		-12.01	-6.37	0.01	0.0	160.0	0.81	-4.26	-2.05	0.15	-6.37	-12.01
388	1	0.25	9.55e-03	-2.90e-05	-0.67	0.0	17.75	0.21	-5.97e-03	4.93e-03	9.55e-03	0.20
		0.0	0.0	-5.88e-05	0.0	160.0	17.75	-0.46	-5.97e-03	4.93e-03	0.0	0.0
388	3	0.20	4.96e-03	-2.80e-05	-0.51	0.0	13.70	0.15	-3.10e-03	3.88e-03	4.96e-03	0.16
		0.0	0.0	-7.93e-05	0.0	160.0	13.70	-0.36	-3.10e-03	3.88e-03	0.0	0.0
388	4	0.33	0.0	-3.85e-05	-0.51	0.0	14.12	0.05	7.06e-03	0.01	-0.01	0.33
		0.0	-0.01	-9.12e-05	0.0	160.0	14.12	-0.46	7.06e-03	0.01	0.0	0.0
388	6	0.40	0.0	-3.80e-05	-0.67	0.0	18.25	0.09	1.82e-03	0.01	-2.92e-03	0.39
		0.0	-2.92e-03	-1.44e-04	0.0	160.0	18.25	-0.58	1.82e-03	0.01	0.0	0.0
388	9	0.18	6.64e-03	-2.41e-05	-0.51	0.0	13.61	0.17	-4.15e-03	3.33e-03	6.64e-03	0.13
		0.0	0.0	-3.65e-05	0.0	160.0	13.61	-0.34	-4.15e-03	3.33e-03	0.0	0.0
388	10	0.26	0.0	-3.11e-05	-0.51	0.0	13.89	0.10	2.63e-03	7.78e-03	-4.21e-03	0.24
		0.0	-4.21e-03	-4.44e-05	0.0	160.0	13.89	-0.41	2.63e-03	7.78e-03	0.0	0.0
388	12	0.28	0.0	-3.02e-05	-0.51	0.0	13.94	0.09	1.05e-03	7.53e-03	-1.67e-03	0.26
		0.0	-1.67e-03	-9.36e-05	0.0	160.0	13.94	-0.42	1.05e-03	7.53e-03	0.0	0.0
388	13	0.13	7.72e-03	-2.23e-05	-0.51	0.0	13.40	0.22	-4.82e-03	1.70e-03	7.72e-03	0.05
		0.0	0.0	4.09e-05	0.0	160.0	13.40	-0.29	-4.82e-03	1.70e-03	0.0	0.0
388	15	0.15	7.36e-03	-2.29e-05	-0.51	0.0	13.47	0.21	-4.60e-03	2.24e-03	7.36e-03	0.08
		0.0	0.0	1.51e-05	0.0	160.0	13.47	-0.31	-4.60e-03	2.24e-03	0.0	0.0
388	16	0.17	4.10e-03	-2.50e-05	-0.51	0.0	13.56	0.19	-2.57e-03	3.58e-03	4.10e-03	0.11
		0.0	0.0	1.27e-05	0.0	160.0	13.56	-0.33	-2.57e-03	3.58e-03	0.0	0.0
388	17	0.13	7.72e-03	-2.23e-05	-0.51	0.0	13.40	0.22	-4.82e-03	1.70e-03	7.72e-03	0.05
		0.0	0.0	4.09e-05	0.0	160.0	13.40	-0.29	-4.82e-03	1.70e-03	0.0	0.0
388	18	0.15	4.46e-03	-2.44e-05	-0.51	0.0	13.49	0.20	-2.79e-03	3.03e-03	4.46e-03	0.09
		0.0	0.0	3.85e-05	0.0	160.0	13.49	-0.31	-2.79e-03	3.03e-03	0.0	0.0
388	24	4.44	0.0	-2.36e-04	-0.51	0.0	22.42	-2.52	0.74	-0.07	-1.18	4.44
		0.0	-1.18	-4.24e-03	0.0	160.0	22.42	-3.03	0.74	-0.07	0.0	0.0
388	25	0.0	1.19	1.87e-04	-0.51	0.0	4.55	2.92	-0.74	0.07	1.19	-4.27
		-4.27	0.0	4.32e-03	0.0	160.0	4.55	2.41	-0.74	0.07	0.0	0.0
388	40	0.0	0.0	-4.22e-04	-0.51	0.0	22.19	1.22	0.94	0.16	-1.50	-1.54
		-1.54	-1.50	-4.70e-03	0.0	160.0	22.19	0.71	0.94	0.16	0.0	0.0

388	41	1.71	1.51	3.74e-04	-0.51	0.0	4.78	-0.81	-0.94	-0.15	1.51	1.71
		0.0	0.0	4.78e-03	0.0	160.0	4.78	-1.33	-0.94	-0.15	0.0	0.0
388	44	4.07	0.0	-3.44e-04	-0.51	0.0	23.62	-2.29	0.86	0.09	-1.37	4.07
		0.0	-1.37	-5.19e-03	0.0	160.0	23.62	-2.80	0.86	0.09	0.0	0.0
388	45	0.0	1.38	2.96e-04	-0.51	0.0	3.36	2.70	-0.86	-0.09	1.38	-3.90
		-3.90	0.0	5.27e-03	0.0	160.0	3.36	2.18	-0.86	-0.09	0.0	0.0
388	56	3.33	0.0	-1.88e-04	-0.51	0.0	20.23	-1.83	0.56	-0.05	-0.89	3.33
		0.0	-0.89	-3.19e-03	0.0	160.0	20.23	-2.34	0.56	-0.05	0.0	0.0
388	57	0.0	0.90	1.40e-04	-0.51	0.0	6.75	2.23	-0.56	0.06	0.90	-3.16
		-3.16	0.0	3.27e-03	0.0	160.0	6.75	1.72	-0.56	0.06	0.0	0.0
388	72	0.0	0.0	-3.28e-04	-0.51	0.0	20.08	0.96	0.71	0.12	-1.13	-1.12
		-1.12	-1.13	-3.53e-03	0.0	160.0	20.08	0.45	0.71	0.12	0.0	0.0
388	73	1.30	1.14	2.79e-04	-0.51	0.0	6.90	-0.55	-0.71	-0.12	1.14	1.30
		0.0	0.0	3.61e-03	0.0	160.0	6.90	-1.07	-0.71	-0.12	0.0	0.0
388	76	3.09	0.0	-2.68e-04	-0.51	0.0	21.16	-1.67	0.65	0.07	-1.04	3.09
		0.0	-1.04	-3.90e-03	0.0	160.0	21.16	-2.19	0.65	0.07	0.0	0.0
388	77	0.0	1.05	2.19e-04	-0.51	0.0	5.81	2.08	-0.65	-0.07	1.05	-2.92
		-2.92	0.0	3.98e-03	0.0	160.0	5.81	1.57	-0.65	-0.07	0.0	0.0
388	88	2.96	0.0	-1.71e-04	-0.51	0.0	19.47	-1.59	0.49	-0.04	-0.79	2.96
		0.0	-0.79	-2.83e-03	0.0	160.0	19.47	-2.11	0.49	-0.04	0.0	0.0
388	89	0.0	0.80	1.22e-04	-0.51	0.0	7.50	2.00	-0.50	0.05	0.80	-2.79
		-2.79	0.0	2.91e-03	0.0	160.0	7.50	1.49	-0.50	0.05	0.0	0.0
388	104	0.0	0.0	-2.94e-04	-0.51	0.0	19.34	0.87	0.63	0.11	-1.01	-0.99
		-0.99	-1.01	-3.13e-03	0.0	160.0	19.34	0.36	0.63	0.11	0.0	0.0
388	105	1.16	1.02	2.45e-04	-0.51	0.0	7.63	-0.47	-0.63	-0.10	1.02	1.16
		0.0	0.0	3.21e-03	0.0	160.0	7.63	-0.98	-0.63	-0.10	0.0	0.0
388	108	2.75	0.0	-2.41e-04	-0.51	0.0	20.30	-1.46	0.58	0.07	-0.92	2.75
		0.0	-0.92	-3.46e-03	0.0	160.0	20.30	-1.97	0.58	0.07	0.0	0.0
388	109	0.0	0.93	1.92e-04	-0.51	0.0	6.67	1.87	-0.58	-0.06	0.93	-2.58
		-2.58	0.0	3.54e-03	0.0	160.0	6.67	1.36	-0.58	-0.06	0.0	0.0
388	120	5.31	0.0	-2.83e-04	-0.51	0.0	24.25	-3.06	0.88	-0.08	-1.41	5.31
		0.0	-1.41	-5.13e-03	0.0	160.0	24.25	-3.57	0.88	-0.08	0.0	0.0
388	121	0.0	1.42	2.35e-04	-0.51	0.0	2.72	3.47	-0.89	0.09	1.42	-5.14
		-5.14	0.0	5.20e-03	0.0	160.0	2.72	2.95	-0.89	0.09	0.0	0.0
388	136	0.0	0.0	-5.08e-04	-0.51	0.0	23.97	1.43	1.12	0.19	-1.80	-1.88
		-1.88	-1.80	-5.68e-03	0.0	160.0	23.97	0.92	1.12	0.19	0.0	0.0
388	137	2.05	1.81	4.59e-04	-0.51	0.0	3.00	-1.03	-1.13	-0.18	1.81	2.05
		0.0	0.0	5.76e-03	0.0	160.0	3.00	-1.54	-1.13	-0.18	0.0	0.0
388	140	4.87	0.0	-4.13e-04	-0.51	0.0	25.70	-2.79	1.03	0.11	-1.65	4.87
		0.0	-1.65	-6.29e-03	0.0	160.0	25.70	-3.30	1.03	0.11	0.0	0.0
388	141	0.0	1.66	3.65e-04	-0.51	0.0	1.27	3.19	-1.03	-0.10	1.66	-4.70
		-4.70	0.0	6.37e-03	0.0	160.0	1.27	2.68	-1.03	-0.10	0.0	0.0
389	1	6.21e-03	0.02	1.36e-04	-0.67	0.0	16.81	-0.66	3.88e-03	9.12e-04	0.01	6.21e-03
		-1.59	0.01	-9.79e-05	0.0	160.0	16.81	-1.33	3.88e-03	9.12e-04	0.02	-1.59
389	4	-0.30	-0.02	6.65e-05	-0.51	0.0	12.51	-0.61	-4.98e-03	9.15e-03	-0.02	-0.30
		-1.69	-0.02	-4.36e-05	0.0	160.0	12.51	-1.12	-4.98e-03	9.15e-03	-0.02	-1.69
389	6	-0.30	-4.80e-03	9.34e-05	-0.67	0.0	16.37	-0.76	-1.50e-03	8.38e-03	-4.80e-03	-0.30
		-2.05	-7.21e-03	-1.31e-04	0.0	160.0	16.37	-1.43	-1.50e-03	8.38e-03	-7.21e-03	-2.05
389	8	-0.33	-0.01	6.01e-05	-0.51	0.0	12.47	-0.62	-3.38e-03	8.32e-03	-0.01	-0.33
		-1.73	-0.02	-1.33e-04	0.0	160.0	12.47	-1.13	-3.38e-03	8.32e-03	-0.02	-1.73
389	9	0.03	0.01	1.08e-04	-0.51	0.0	12.97	-0.50	2.70e-03	2.62e-04	8.65e-03	0.03
		-1.19	8.65e-03	-6.37e-05	0.0	160.0	12.97	-1.02	2.70e-03	2.62e-04	0.01	-1.19
389	10	-0.16	-6.24e-03	8.35e-05	-0.51	0.0	12.70	-0.56	-1.95e-03	5.79e-03	-6.24e-03	-0.16
		-1.47	-9.35e-03	-2.64e-05	0.0	160.0	12.70	-1.07	-1.95e-03	5.79e-03	-9.35e-03	-1.47
389	12	-0.18	-2.82e-03	7.80e-05	-0.51	0.0	12.68	-0.57	-8.81e-04	5.24e-03	-2.82e-03	-0.18
		-1.50	-4.23e-03	-8.61e-05	0.0	160.0	12.68	-1.08	-8.81e-04	5.24e-03	-4.23e-03	-1.50
389	13	0.14	0.02	1.28e-04	-0.51	0.0	13.13	-0.47	3.20e-03	-1.40e-03	0.01	0.14
		-1.02	0.01	9.05e-06	0.0	160.0	13.13	-0.98	3.20e-03	-1.40e-03	0.02	-1.02
389	14	0.04	4.17e-03	1.16e-04	-0.51	0.0	13.00	-0.50	8.69e-04	1.37e-03	2.78e-03	0.04
		-1.16	2.78e-03	2.77e-05	0.0	160.0	13.00	-1.01	8.69e-04	1.37e-03	4.17e-03	-1.16
389	17	0.14	0.02	1.28e-04	-0.51	0.0	13.13	-0.47	3.20e-03	-1.40e-03	0.01	0.14
		-1.02	0.01	9.05e-06	0.0	160.0	13.13	-0.98	3.20e-03	-1.40e-03	0.02	-1.02
389	18	0.08	8.64e-03	1.21e-04	-0.51	0.0	13.05	-0.49	1.80e-03	2.63e-04	5.76e-03	0.08
		-1.11	5.76e-03	2.03e-05	0.0	160.0	13.05	-1.00	1.80e-03	2.63e-04	8.64e-03	-1.11
389	19	-3.15	-0.73	-5.12e-04	-0.51	0.0	2.84	-1.48	-0.10	0.07	-0.73	-3.15
		-5.92	-0.79	-1.93e-04	0.0	160.0	2.84	-1.99	-0.10	0.07	-0.79	-5.92
389	22	3.71	0.80	7.53e-04	-0.51	0.0	23.26	0.50	0.10	-0.07	0.74	3.31
		3.31	0.74	2.33e-04	0.0	160.0	23.26	-9.29e-03	0.10	-0.07	0.80	3.71
389	24	-5.59	-1.81	-9.81e-04	-0.51	0.0	6.38	-2.23	-0.21	0.03	-1.81	-5.59
		-9.56	-1.95	2.43e-04	0.0	160.0	6.38	-2.74	-0.21	0.03	-1.95	-9.56
389	25	7.35	1.97	1.22e-03	-0.51	0.0	19.72	1.25	0.22	-0.03	1.82	5.75
		5.75	1.82	2.77e-04	0.0	160.0	19.72	0.74	0.22	-0.03	1.97	7.35
389	40	-4.96	-2.23	-8.56e-04	-0.51	0.0	16.67	-2.04	-0.24	-0.04	-2.23	-4.96
		-8.62	-2.43	6.65e-04	0.0	160.0	16.67	-2.55	-0.24	-0.04	-2.43	-8.62
389	41	6.41	2.45	1.10e-03	-0.51	0.0	9.43	1.06	0.24	0.04	2.24	5.12

		5.12	2.24	-6.43e-04	0.0	160.0	9.43	0.55	0.24	0.04	2.45	6.41
389	55	-2.20	-0.57	-3.26e-04	-0.51	0.0	5.52	-1.18	-0.07	0.05	-0.57	-2.20
		-4.50	-0.63	1.39e-04	0.0	160.0	5.52	-1.69	-0.07	0.05	-0.63	-4.50
389	58	2.43	0.64	5.67e-04	-0.51	0.0	20.58	0.21	0.07	-0.05	0.58	2.36
		2.29	0.58	-1.20e-04	0.0	160.0	20.58	-0.30	0.07	-0.05	0.64	2.29
389	72	-3.71	-1.69	-6.14e-04	-0.51	0.0	15.72	-1.65	-0.19	-0.03	-1.69	-3.71
		-6.76	-1.84	5.23e-04	0.0	160.0	15.72	-2.16	-0.19	-0.03	-1.84	-6.76
389	73	4.55	1.86	8.55e-04	-0.51	0.0	10.38	0.68	0.19	0.03	1.70	3.87
		3.87	1.70	-5.00e-04	0.0	160.0	10.38	0.17	0.19	0.03	1.86	4.55
389	76	-4.16	-1.62	-6.97e-04	-0.51	0.0	15.60	-1.79	-0.18	-0.04	-1.62	-4.16
		-7.44	-1.73	-3.48e-04	0.0	160.0	15.60	-2.30	-0.18	-0.04	-1.73	-7.44
389	77	5.22	1.74	9.38e-04	-0.51	0.0	10.50	0.82	0.19	0.04	1.63	4.32
		4.32	1.63	3.89e-04	0.0	160.0	10.50	0.31	0.19	0.04	1.74	5.22
389	87	-1.94	-0.50	-2.74e-04	-0.51	0.0	6.39	-1.10	-0.06	0.05	-0.50	-1.94
		-4.11	-0.56	1.25e-04	0.0	160.0	6.39	-1.62	-0.06	0.05	-0.56	-4.11
389	90	2.13	0.57	5.16e-04	-0.51	0.0	19.71	0.13	0.07	-0.05	0.52	2.10
		1.90	0.52	-1.06e-04	0.0	160.0	19.71	-0.38	0.07	-0.05	0.57	1.90
389	104	-3.28	-1.50	-5.31e-04	-0.51	0.0	15.41	-1.52	-0.17	-0.03	-1.50	-3.28
		-6.12	-1.64	4.67e-04	0.0	160.0	15.41	-2.03	-0.17	-0.03	-1.64	-6.12
389	105	3.91	1.65	7.72e-04	-0.51	0.0	10.69	0.55	0.17	0.03	1.51	3.44
		3.44	1.51	-4.44e-04	0.0	160.0	10.69	0.03	0.17	0.03	1.65	3.91
389	108	-3.68	-1.44	-6.05e-04	-0.51	0.0	15.31	-1.64	-0.17	-0.04	-1.44	-3.68
		-6.72	-1.53	-3.04e-04	0.0	160.0	15.31	-2.16	-0.17	-0.04	-1.53	-6.72
389	109	4.51	1.55	8.46e-04	-0.51	0.0	10.79	0.67	0.17	0.04	1.45	3.85
		3.85	1.45	3.45e-04	0.0	160.0	10.79	0.16	0.17	0.04	1.55	4.51
389	115	-3.80	-0.87	-6.39e-04	-0.51	0.0	0.81	-1.68	-0.12	0.08	-0.87	-3.80
		-6.89	-0.94	-2.45e-04	0.0	160.0	0.81	-2.19	-0.12	0.08	-0.94	-6.89
389	118	4.68	0.96	8.80e-04	-0.51	0.0	25.29	0.70	0.12	-0.08	0.88	3.97
		3.97	0.88	2.85e-04	0.0	160.0	25.29	0.19	0.12	-0.08	0.96	4.68
389	120	-6.74	-2.17	-1.20e-03	-0.51	0.0	5.06	-2.58	-0.25	0.03	-2.17	-6.74
		-11.27	-2.34	-3.03e-04	0.0	160.0	5.06	-3.09	-0.25	0.03	-2.34	-11.27
389	121	9.06	2.36	1.45e-03	-0.51	0.0	21.04	1.61	0.26	-0.03	2.18	6.90
		6.90	2.18	3.43e-04	0.0	160.0	21.04	1.09	0.26	-0.03	2.36	9.06
389	136	-5.97	-2.67	-1.05e-03	-0.51	0.0	17.40	-2.35	-0.28	-0.05	-2.67	-5.97
		-10.14	-2.93	7.90e-04	0.0	160.0	17.40	-2.86	-0.28	-0.05	-2.93	-10.14
389	137	7.93	2.94	1.30e-03	-0.51	0.0	8.70	1.38	0.29	0.05	2.69	6.14
		6.14	2.69	-7.68e-04	0.0	160.0	8.70	0.86	0.29	0.05	2.94	7.93
391	2	0.47	0.0	2.20e-04	-0.67	0.0	17.30	0.04	6.38e-03	-0.02	-0.01	0.47
		0.0	-0.01	-8.59e-05	0.0	160.0	17.30	-0.62	6.38e-03	-0.02	0.0	0.0
391	3	0.16	3.00e-03	5.26e-05	-0.51	0.0	13.09	0.20	-1.88e-03	-9.69e-03	3.00e-03	0.10
		0.0	0.0	-8.92e-05	0.0	160.0	13.09	-0.32	-1.88e-03	-9.69e-03	0.0	0.0
391	7	0.16	0.01	6.95e-05	-0.51	0.0	12.96	0.19	-6.72e-03	-0.01	0.01	0.10
		0.0	0.0	-1.32e-04	0.0	160.0	12.96	-0.32	-6.72e-03	-0.01	0.0	0.0
391	9	0.15	0.0	4.33e-05	-0.51	0.0	13.16	0.20	7.64e-04	-7.95e-03	-1.22e-03	0.09
		0.0	-1.22e-03	-6.92e-05	0.0	160.0	13.16	-0.31	7.64e-04	-7.95e-03	0.0	0.0
391	10	0.33	0.0	1.51e-04	-0.51	0.0	13.31	0.05	4.86e-03	-0.02	-7.77e-03	0.32
		0.0	-7.77e-03	-5.97e-05	0.0	160.0	13.31	-0.46	4.86e-03	-0.02	0.0	0.0
391	11	0.16	3.95e-03	5.46e-05	-0.51	0.0	13.07	0.20	-2.47e-03	-0.01	3.95e-03	0.10
		0.0	0.0	-9.79e-05	0.0	160.0	13.07	-0.32	-2.47e-03	-0.01	0.0	0.0
391	13	0.15	0.0	2.64e-05	-0.51	0.0	13.29	0.20	5.61e-03	-3.65e-03	-8.98e-03	0.09
		0.0	-8.98e-03	-2.60e-05	0.0	160.0	13.29	-0.31	5.61e-03	-3.65e-03	0.0	0.0
391	14	0.23	0.0	8.01e-05	-0.51	0.0	13.36	0.13	7.66e-03	-7.67e-03	-0.01	0.20
		0.0	-0.01	-2.13e-05	0.0	160.0	13.36	-0.38	7.66e-03	-7.67e-03	0.0	0.0
391	15	0.15	0.0	3.20e-05	-0.51	0.0	13.24	0.20	4.00e-03	-5.08e-03	-6.39e-03	0.09
		0.0	-6.39e-03	-4.04e-05	0.0	160.0	13.24	-0.31	4.00e-03	-5.08e-03	0.0	0.0
391	17	0.15	0.0	2.64e-05	-0.51	0.0	13.29	0.20	5.61e-03	-3.65e-03	-8.98e-03	0.09
		0.0	-8.98e-03	-2.60e-05	0.0	160.0	13.29	-0.31	5.61e-03	-3.65e-03	0.0	0.0
391	18	0.20	0.0	5.87e-05	-0.51	0.0	13.33	0.16	6.84e-03	-6.06e-03	-0.01	0.16
		0.0	-0.01	-2.32e-05	0.0	160.0	13.33	-0.36	6.84e-03	-6.06e-03	0.0	0.0
391	27	3.64	0.0	3.02e-04	-0.51	0.0	11.31	-2.02	0.42	0.22	-0.68	3.64
		0.0	-0.68	7.72e-05	0.0	160.0	11.31	-2.53	0.42	0.22	0.0	0.0
391	30	0.0	0.66	-1.85e-04	-0.51	0.0	15.35	2.33	-0.41	-0.23	0.66	-3.32
		-3.32	0.0	-9.94e-05	0.0	160.0	15.35	1.82	-0.41	-0.23	0.0	0.0
391	44	0.0	0.26	5.30e-04	-0.51	0.0	6.41	1.60	-0.16	-0.09	0.26	-2.15
		-2.15	0.0	-6.79e-04	0.0	160.0	6.41	1.09	-0.16	-0.09	0.0	0.0
391	45	2.47	0.0	-4.12e-04	-0.51	0.0	20.25	-1.28	0.18	0.08	-0.29	2.47
		0.0	-0.29	6.33e-04	0.0	160.0	20.25	-1.80	0.18	0.08	0.0	0.0
391	47	3.95	0.0	-2.13e-04	-0.51	0.0	17.87	-2.21	0.35	0.21	-0.56	3.95
		0.0	-0.56	4.38e-04	0.0	160.0	17.87	-2.72	0.35	0.21	0.0	0.0
391	50	0.0	0.54	3.30e-04	-0.51	0.0	8.80	2.53	-0.34	-0.22	0.54	-3.63
		-3.63	0.0	-4.85e-04	0.0	160.0	8.80	2.01	-0.34	-0.22	0.0	0.0
391	59	2.71	0.0	2.43e-04	-0.51	0.0	11.81	-1.44	0.32	0.16	-0.50	2.71
		0.0	-0.50	4.74e-05	0.0	160.0	11.81	-1.95	0.32	0.16	0.0	0.0
391	62	0.0	0.48	-1.26e-04	-0.51	0.0	14.86	1.75	-0.30	-0.17	0.48	-2.39
		-2.39	0.0	-6.73e-05	0.0	160.0	14.86	1.24	-0.30	-0.17	0.0	0.0

391	76	0.0	0.20	4.16e-04	-0.51	0.0	8.08	1.23	-0.12	-0.07	0.20	-1.56
		-1.56	0.0	-5.40e-04	0.0	160.0	8.08	0.72	-0.12	-0.07	0.0	0.0
391	77	1.88	0.0	-2.99e-04	-0.51	0.0	18.58	-0.92	0.14	0.06	-0.22	1.88
		0.0	-0.22	4.94e-04	0.0	160.0	18.58	-1.43	0.14	0.06	0.0	0.0
391	79	2.97	0.0	-1.48e-04	-0.51	0.0	16.78	-1.60	0.26	0.15	-0.42	2.97
		0.0	-0.42	3.42e-04	0.0	160.0	16.78	-2.11	0.26	0.15	0.0	0.0
391	82	0.0	0.40	2.65e-04	-0.51	0.0	9.88	1.91	-0.25	-0.16	0.40	-2.65
		-2.65	0.0	-3.89e-04	0.0	160.0	9.88	1.40	-0.25	-0.16	0.0	0.0
391	91	2.41	0.0	2.22e-04	-0.51	0.0	11.98	-1.25	0.28	0.14	-0.45	2.41
		0.0	-0.45	4.02e-05	0.0	160.0	11.98	-1.76	0.28	0.14	0.0	0.0
391	94	0.0	0.43	-1.05e-04	-0.51	0.0	14.68	1.57	-0.27	-0.15	0.43	-2.09
		-2.09	0.0	-6.01e-05	0.0	160.0	14.68	1.05	-0.27	-0.15	0.0	0.0
391	108	0.0	0.17	3.76e-04	-0.51	0.0	8.66	1.11	-0.11	-0.06	0.17	-1.37
		-1.37	0.0	-4.84e-04	0.0	160.0	8.66	0.60	-0.11	-0.06	0.0	0.0
391	109	1.69	0.0	-2.59e-04	-0.51	0.0	18.00	-0.80	0.12	0.05	-0.19	1.69
		0.0	-0.19	4.38e-04	0.0	160.0	18.00	-1.31	0.12	0.05	0.0	0.0
391	111	2.65	0.0	-1.25e-04	-0.51	0.0	16.39	-1.40	0.23	0.13	-0.37	2.65
		0.0	-0.37	3.03e-04	0.0	160.0	16.39	-1.91	0.23	0.13	0.0	0.0
391	114	0.0	0.35	2.42e-04	-0.51	0.0	10.27	1.71	-0.22	-0.14	0.35	-2.33
		-2.33	0.0	-3.50e-04	0.0	160.0	10.27	1.20	-0.22	-0.14	0.0	0.0
391	123	4.36	0.0	3.53e-04	-0.51	0.0	10.89	-2.47	0.51	0.27	-0.81	4.36
		0.0	-0.81	9.99e-05	0.0	160.0	10.89	-2.98	0.51	0.27	0.0	0.0
391	126	0.0	0.79	-2.36e-04	-0.51	0.0	15.77	2.78	-0.49	-0.28	0.79	-4.04
		-4.04	0.0	-1.23e-04	0.0	160.0	15.77	2.27	-0.49	-0.28	0.0	0.0
391	140	0.0	0.32	6.29e-04	-0.51	0.0	4.99	1.90	-0.20	-0.11	0.32	-2.63
		-2.63	0.0	-8.09e-04	0.0	160.0	4.99	1.39	-0.20	-0.11	0.0	0.0
391	141	2.95	0.0	-5.11e-04	-0.51	0.0	21.67	-1.59	0.21	0.10	-0.34	2.95
		0.0	-0.34	7.63e-04	0.0	160.0	21.67	-2.10	0.21	0.10	0.0	0.0
391	143	4.74	0.0	-2.70e-04	-0.51	0.0	18.80	-2.70	0.42	0.25	-0.67	4.74
		0.0	-0.67	5.33e-04	0.0	160.0	18.80	-3.22	0.42	0.25	0.0	0.0
391	146	0.0	0.65	3.87e-04	-0.51	0.0	7.86	3.02	-0.40	-0.26	0.65	-4.42
		-4.42	0.0	-5.80e-04	0.0	160.0	7.86	2.51	-0.40	-0.26	0.0	0.0
394	1	0.37	0.87	-5.42e-05	-0.95	0.0	0.06	0.30	-0.55	3.88e-03	0.87	0.31
		0.10	0.21	-7.27e-04	0.0	120.0	0.06	-0.65	-0.55	3.88e-03	0.21	0.10
394	3	0.22	0.91	-4.64e-05	-0.73	0.0	0.06	0.29	-0.61	3.61e-03	0.91	0.16
		0.06	0.17	-6.49e-04	0.0	120.0	0.06	-0.44	-0.61	3.61e-03	0.17	0.06
394	6	0.20	1.93	-1.12e-04	-0.95	0.0	0.13	0.69	-1.06	8.53e-03	1.93	-0.10
		-0.10	0.66	-1.42e-03	0.0	120.0	0.13	-0.26	-1.06	8.53e-03	0.66	0.16
394	8	0.12	1.97	-1.04e-04	-0.73	0.0	0.12	0.68	-1.12	8.26e-03	1.97	-0.25
		-0.25	0.63	-1.34e-03	0.0	120.0	0.12	-0.05	-1.12	8.26e-03	0.63	0.12
394	9	0.31	0.61	-3.39e-05	-0.73	0.0	0.04	0.20	-0.37	2.71e-03	0.61	0.27
		0.08	0.16	-5.02e-04	0.0	120.0	0.04	-0.53	-0.37	2.71e-03	0.16	0.08
394	12	0.18	1.31	-7.23e-05	-0.73	0.0	0.09	0.46	-0.71	5.81e-03	1.31	9.60e-04
		9.60e-04	0.46	-9.64e-04	0.0	120.0	0.09	-0.27	-0.71	5.81e-03	0.46	0.12
394	13	0.51	0.14	-6.87e-06	-0.73	0.0	0.02	0.04	0.08	9.02e-04	0.04	0.51
		0.11	0.04	-1.85e-04	0.0	120.0	0.02	-0.70	0.08	9.02e-04	0.14	0.11
394	15	0.44	0.23	-1.30e-05	-0.73	0.0	0.03	0.09	-0.07	1.50e-03	0.23	0.43
		0.10	0.15	-2.90e-04	0.0	120.0	0.03	-0.64	-0.07	1.50e-03	0.15	0.10
394	16	0.40	0.37	-1.97e-05	-0.73	0.0	0.04	0.16	-0.09	2.32e-03	0.37	0.38
		0.13	0.27	-3.98e-04	0.0	120.0	0.04	-0.58	-0.09	2.32e-03	0.27	0.13
394	17	0.51	0.14	-6.87e-06	-0.73	0.0	0.02	0.04	0.08	9.02e-04	0.04	0.51
		0.11	0.04	-1.85e-04	0.0	120.0	0.02	-0.70	0.08	9.02e-04	0.14	0.11
394	18	0.47	0.26	-1.09e-05	-0.73	0.0	0.03	0.10	0.06	1.71e-03	0.18	0.46
		0.14	0.18	-2.92e-04	0.0	120.0	0.03	-0.63	0.06	1.71e-03	0.26	0.14
394	19	-0.08	0.94	5.82e-04	-0.73	0.0	1.14	1.01	-0.72	8.13e-03	0.94	-0.85
		-0.85	0.07	9.42e-04	0.0	120.0	1.14	0.28	-0.72	8.13e-03	0.07	-0.08
394	22	1.77	0.45	-6.00e-04	-0.73	0.0	-1.08	-0.81	0.85	-4.70e-03	-0.57	1.77
		0.36	-0.57	-1.53e-03	0.0	120.0	-1.08	-1.54	0.85	-4.70e-03	0.45	0.36
394	48	-0.52	2.46	-4.65e-04	-0.73	0.0	-0.36	3.30	-2.28	-3.23e-03	2.46	-4.02
		-4.02	-0.10	1.75e-03	0.0	120.0	-0.36	2.57	-2.28	-3.23e-03	-0.10	-0.52
394	49	4.94	0.62	4.47e-04	-0.73	0.0	0.43	-3.10	2.41	6.66e-03	-2.09	4.94
		0.80	-2.09	-2.33e-03	0.0	120.0	0.43	-3.83	2.41	6.66e-03	0.62	0.80
394	51	-0.02	0.75	4.27e-04	-0.73	0.0	0.89	0.76	-0.52	6.37e-03	0.75	-0.50
		-0.50	0.12	6.48e-04	0.0	120.0	0.89	0.03	-0.52	6.37e-03	0.12	-0.02
394	54	1.42	0.40	-4.45e-04	-0.73	0.0	-0.82	-0.57	0.65	-2.94e-03	-0.38	1.42
		0.30	-0.38	-1.23e-03	0.0	120.0	-0.82	-1.30	0.65	-2.94e-03	0.40	0.30
394	76	-0.35	1.90	-3.53e-04	-0.73	0.0	-0.21	2.51	-1.70	-2.78e-03	1.90	-2.91
		-2.91	-0.15	1.12e-03	0.0	120.0	-0.21	1.78	-1.70	-2.78e-03	-0.15	-0.35
394	77	3.83	0.67	3.36e-04	-0.73	0.0	0.27	-2.31	1.83	6.21e-03	-1.53	3.83
		0.63	-1.53	-1.71e-03	0.0	120.0	0.27	-3.05	1.83	6.21e-03	0.67	0.63
394	80	-0.35	1.90	-3.47e-04	-0.73	0.0	-0.28	2.54	-1.70	-2.02e-03	1.90	-2.95
		-2.95	-0.01	1.10e-03	0.0	120.0	-0.28	1.81	-1.70	-2.02e-03	-0.01	-0.35
394	81	3.86	0.53	3.29e-04	-0.73	0.0	0.34	-2.34	1.83	5.45e-03	-1.53	3.86
		0.63	-1.53	-1.68e-03	0.0	120.0	0.34	-3.07	1.83	5.45e-03	0.53	0.63
394	83	-1.27e-03	0.68	3.77e-04	-0.73	0.0	0.79	0.69	-0.46	5.83e-03	0.68	-0.39

		-0.39	0.13	5.44e-04	0.0	120.0	0.79	-0.04	-0.46	5.83e-03	0.13	-2.80e-03
394	86	1.31	0.39	-3.95e-04	-0.73	0.0	-0.73	-0.49	0.58	-2.40e-03	-0.32	1.31
		0.28	-0.32	-1.13e-03	0.0	120.0	-0.73	-1.22	0.58	-2.40e-03	0.39	0.28
394	108	-0.30	1.71	-3.14e-04	-0.73	0.0	-0.18	2.24	-1.50	-2.27e-03	1.71	-2.53
		-2.53	-0.11	9.60e-04	0.0	120.0	-0.18	1.51	-1.50	-2.27e-03	-0.11	-0.30
394	109	3.45	0.63	2.96e-04	-0.73	0.0	0.25	-2.04	1.63	5.70e-03	-1.34	3.45
		0.57	-1.34	-1.54e-03	0.0	120.0	0.25	-2.77	1.63	5.70e-03	0.63	0.57
394	112	-0.30	1.71	-3.08e-04	-0.73	0.0	-0.24	2.27	-1.50	-1.60e-03	1.71	-2.56
		-2.56	0.02	9.37e-04	0.0	120.0	-0.24	1.54	-1.50	-1.60e-03	0.02	-0.30
394	113	3.48	0.50	2.90e-04	-0.73	0.0	0.31	-2.07	1.63	5.03e-03	-1.34	3.48
		0.58	-1.34	-1.52e-03	0.0	120.0	0.31	-2.80	1.63	5.03e-03	0.50	0.58
394	115	-0.12	1.10	7.04e-04	-0.73	0.0	1.35	1.20	-0.89	9.44e-03	1.10	-1.13
		-1.13	0.03	1.19e-03	0.0	120.0	1.35	0.47	-0.89	9.44e-03	0.03	-0.12
394	118	2.04	0.49	-7.22e-04	-0.73	0.0	-1.29	-1.00	1.01	-6.01e-03	-0.73	2.04
		0.40	-0.73	-1.77e-03	0.0	120.0	-1.29	-1.73	1.01	-6.01e-03	0.49	0.40
394	144	-0.65	2.94	-5.64e-04	-0.73	0.0	-0.43	3.90	-2.78	-4.14e-03	2.94	-4.88
		-4.88	-0.18	2.36e-03	0.0	120.0	-0.43	3.17	-2.78	-4.14e-03	-0.18	-0.65
394	145	5.79	0.70	5.46e-04	-0.73	0.0	0.50	-3.71	2.90	7.57e-03	-2.57	5.79
		0.93	-2.57	-2.94e-03	0.0	120.0	0.50	-4.44	2.90	7.57e-03	0.70	0.93
395	2	0.20	0.82	-6.14e-06	-0.08	0.0	0.14	-1.95	-8.23	7.94e-03	0.82	0.20
		0.0	0.0	-8.95e-05	0.0	10.0	0.14	-2.03	-8.23	7.94e-03	0.0	0.0
395	3	0.06	0.17	-3.01e-06	-0.06	0.0	0.06	-0.55	-1.74	3.61e-03	0.17	0.06
		0.0	0.0	-4.79e-05	0.0	10.0	0.06	-0.61	-1.74	3.61e-03	0.0	0.0
395	6	0.13	0.66	-8.45e-06	-0.08	0.0	0.14	-1.29	-6.62	8.53e-03	0.66	0.13
		0.0	0.0	-1.02e-04	0.0	10.0	0.14	-1.37	-6.62	8.53e-03	0.0	0.0
395	8	0.10	0.63	-8.29e-06	-0.06	0.0	0.14	-0.98	-6.26	8.26e-03	0.63	0.10
		0.0	0.0	-9.61e-05	0.0	10.0	0.14	-1.05	-6.26	8.26e-03	0.0	0.0
395	9	0.07	0.16	-1.71e-06	-0.06	0.0	0.05	-0.71	-1.60	2.71e-03	0.16	0.07
		0.0	0.0	-3.73e-05	0.0	10.0	0.05	-0.78	-1.60	2.71e-03	0.0	0.0
395	10	0.15	0.57	-3.69e-06	-0.06	0.0	0.09	-1.44	-5.68	5.42e-03	0.57	0.15
		0.0	0.0	-6.07e-05	0.0	10.0	0.09	-1.50	-5.68	5.42e-03	0.0	0.0
395	12	0.10	0.46	-5.23e-06	-0.06	0.0	0.10	-1.00	-4.61	5.81e-03	0.46	0.10
		0.0	0.0	-6.94e-05	0.0	10.0	0.10	-1.06	-4.61	5.81e-03	0.0	0.0
395	13	0.11	0.14	1.49e-06	-0.06	0.0	0.02	-1.04	-1.37	9.02e-04	0.14	0.11
		0.0	0.0	-1.38e-05	0.0	10.0	0.02	-1.10	-1.37	9.02e-04	0.0	0.0
395	14	0.14	0.34	0.0	-0.06	0.0	0.04	-1.40	-3.41	2.26e-03	0.34	0.14
		0.0	0.0	-2.55e-05	0.0	10.0	0.04	-1.46	-3.41	2.26e-03	0.0	0.0
395	16	0.12	0.27	0.0	-0.06	0.0	0.04	-1.15	-2.67	2.32e-03	0.27	0.12
		0.0	0.0	-2.86e-05	0.0	10.0	0.04	-1.21	-2.67	2.32e-03	0.0	0.0
395	17	0.11	0.14	1.49e-06	-0.06	0.0	0.02	-1.04	-1.37	9.02e-04	0.14	0.11
		0.0	0.0	-1.38e-05	0.0	10.0	0.02	-1.10	-1.37	9.02e-04	0.0	0.0
395	18	0.13	0.26	0.0	-0.06	0.0	0.04	-1.26	-2.60	1.71e-03	0.26	0.13
		0.0	0.0	-2.08e-05	0.0	10.0	0.04	-1.32	-2.60	1.71e-03	0.0	0.0
395	20	0.0	0.0	2.85e-05	-0.06	0.0	-1.20	3.53	1.63	5.40e-03	-0.16	-0.35
		-0.35	-0.16	2.11e-04	0.0	10.0	-1.20	3.47	1.63	5.40e-03	0.0	0.0
395	21	0.61	0.68	-2.68e-05	-0.06	0.0	1.27	-6.05	-6.83	-1.97e-03	0.68	0.61
		0.0	0.0	-2.52e-04	0.0	10.0	1.27	-6.11	-6.83	-1.97e-03	0.0	0.0
395	47	0.57	0.81	7.31e-05	-0.06	0.0	0.54	-5.68	-8.14	0.01	0.81	0.57
		0.0	0.0	-2.05e-04	0.0	10.0	0.54	-5.74	-8.14	0.01	0.0	0.0
395	48	0.0	0.0	-4.43e-05	-0.06	0.0	-0.86	5.37	1.04	-3.23e-03	-0.10	-0.53
		-0.53	-0.10	2.58e-04	0.0	10.0	-0.86	5.31	1.04	-3.23e-03	0.0	0.0
395	49	0.79	0.62	4.60e-05	-0.06	0.0	0.93	-7.89	-6.23	6.66e-03	0.62	0.79
		0.0	0.0	-2.99e-04	0.0	10.0	0.93	-7.95	-6.23	6.66e-03	0.0	0.0
395	50	0.0	0.0	-7.13e-05	-0.06	0.0	-0.47	3.16	2.95	-8.37e-03	-0.29	-0.31
		-0.31	-0.29	1.63e-04	0.0	10.0	-0.47	3.10	2.95	-8.37e-03	0.0	0.0
395	52	0.0	0.0	2.12e-05	-0.06	0.0	-0.94	2.31	0.56	4.39e-03	-0.06	-0.23
		-0.23	-0.06	1.53e-04	0.0	10.0	-0.94	2.25	0.56	4.39e-03	0.0	0.0
395	53	0.49	0.58	-1.94e-05	-0.06	0.0	1.01	-4.83	-5.76	-9.59e-04	0.58	0.49
		0.0	0.0	-1.95e-04	0.0	10.0	1.01	-4.89	-5.76	-9.59e-04	0.0	0.0
395	79	0.46	0.67	5.43e-05	-0.06	0.0	0.42	-4.61	-6.74	9.17e-03	0.67	0.46
		0.0	0.0	-1.60e-04	0.0	10.0	0.42	-4.67	-6.74	9.17e-03	0.0	0.0
395	80	0.0	0.0	-3.28e-05	-0.06	0.0	-0.67	3.72	0.14	-2.02e-03	-0.01	-0.37
		-0.37	-0.01	1.89e-04	0.0	10.0	-0.67	3.66	0.14	-2.02e-03	0.0	0.0
395	81	0.63	0.53	3.46e-05	-0.06	0.0	0.74	-6.24	-5.33	5.45e-03	0.53	0.63
		0.0	0.0	-2.31e-04	0.0	10.0	0.74	-6.30	-5.33	5.45e-03	0.0	0.0
395	82	0.0	0.0	-5.25e-05	-0.06	0.0	-0.35	2.09	1.55	-5.74e-03	-0.15	-0.21
		-0.21	-0.15	1.19e-04	0.0	10.0	-0.35	2.03	1.55	-5.74e-03	0.0	0.0
395	84	0.0	0.0	1.88e-05	-0.06	0.0	-0.84	1.91	0.20	4.08e-03	-0.02	-0.19
		-0.19	-0.02	1.34e-04	0.0	10.0	-0.84	1.85	0.20	4.08e-03	0.0	0.0
395	85	0.45	0.54	-1.70e-05	-0.06	0.0	0.91	-4.43	-5.40	-6.46e-04	0.54	0.45
		0.0	0.0	-1.75e-04	0.0	10.0	0.91	-4.49	-5.40	-6.46e-04	0.0	0.0
395	111	0.43	0.63	4.82e-05	-0.06	0.0	0.38	-4.23	-6.28	8.31e-03	0.63	0.43
		0.0	0.0	-1.45e-04	0.0	10.0	0.38	-4.29	-6.28	8.31e-03	0.0	0.0
395	112	0.0	0.02	-2.90e-05	-0.06	0.0	-0.59	3.15	-0.17	-1.60e-03	0.02	-0.31
		-0.31	0.0	1.66e-04	0.0	10.0	-0.59	3.09	-0.17	-1.60e-03	0.0	0.0

395	113	0.57	0.50	3.08e-05	-0.06	0.0	0.66	-5.67	-5.03	5.03e-03	0.50	0.57
		0.0	0.0	-2.07e-04	0.0	10.0	0.66	-5.73	-5.03	5.03e-03	0.0	0.0
395	114	0.0	0.0	-4.64e-05	-0.06	0.0	-0.31	1.72	1.08	-4.88e-03	-0.11	-0.17
		-0.17	-0.11	1.03e-04	0.0	10.0	-0.31	1.65	1.08	-4.88e-03	0.0	0.0
395	116	0.0	0.0	3.42e-05	-0.06	0.0	-1.42	4.52	2.51	6.15e-03	-0.25	-0.45
		-0.45	-0.25	2.59e-04	0.0	10.0	-1.42	4.46	2.51	6.15e-03	0.0	0.0
395	117	0.71	0.77	-3.24e-05	-0.06	0.0	1.49	-7.04	-7.70	-2.72e-03	0.77	0.71
		0.0	0.0	-3.00e-04	0.0	10.0	1.49	-7.10	-7.70	-2.72e-03	0.0	0.0
395	143	0.66	0.93	8.83e-05	-0.06	0.0	0.63	-6.57	-9.30	0.01	0.93	0.66
		0.0	0.0	-2.43e-04	0.0	10.0	0.63	-6.64	-9.30	0.01	0.0	0.0
395	144	0.0	0.0	-5.38e-05	-0.06	0.0	-1.03	6.72	1.80	-4.14e-03	-0.18	-0.67
		-0.67	-0.18	3.16e-04	0.0	10.0	-1.03	6.66	1.80	-4.14e-03	0.0	0.0
395	145	0.93	0.70	5.56e-05	-0.06	0.0	1.10	-9.24	-6.99	7.57e-03	0.70	0.93
		0.0	0.0	-3.58e-04	0.0	10.0	1.10	-9.30	-6.99	7.57e-03	0.0	0.0
395	146	0.0	0.0	-8.65e-05	-0.06	0.0	-0.56	4.06	4.11	-0.01	-0.41	-0.40
		-0.40	-0.41	2.02e-04	0.0	10.0	-0.56	4.00	4.11	-0.01	0.0	0.0
400	1	0.0	0.44	-8.75e-06	-0.08	0.0	0.03	-0.22	4.37	3.88e-03	0.0	0.0
		-0.03	0.0	-9.23e-05	0.0	10.0	0.03	-0.30	4.37	3.88e-03	0.44	-0.03
400	2	0.0	0.40	-7.13e-06	-0.08	0.0	0.06	-2.80	4.04	7.94e-03	0.0	0.0
		-0.28	0.0	-1.55e-04	0.0	10.0	0.06	-2.88	4.04	7.94e-03	0.40	-0.28
400	3	0.0	0.44	-6.20e-06	-0.06	0.0	0.02	-0.28	4.41	3.61e-03	0.0	0.0
		-0.03	0.0	-8.72e-05	0.0	10.0	0.02	-0.34	4.41	3.61e-03	0.44	-0.03
400	4	0.0	0.41	-4.57e-06	-0.06	0.0	0.05	-2.86	4.08	7.67e-03	0.0	0.0
		-0.29	0.0	-1.50e-04	0.0	10.0	0.05	-2.92	4.08	7.67e-03	0.41	-0.29
400	7	0.0	0.74	-6.26e-06	-0.06	0.0	0.03	-0.61	7.41	5.41e-03	0.0	0.0
		-0.06	0.0	-1.35e-04	0.0	10.0	0.03	-0.67	7.41	5.41e-03	0.74	-0.06
400	9	0.0	0.29	-6.48e-06	-0.06	0.0	0.02	-0.12	2.90	2.71e-03	0.0	0.0
		-0.01	0.0	-6.35e-05	0.0	10.0	0.02	-0.18	2.90	2.71e-03	0.29	-0.01
400	10	0.0	0.27	-5.40e-06	-0.06	0.0	0.04	-1.84	2.69	5.42e-03	0.0	0.0
		-0.19	0.0	-1.05e-04	0.0	10.0	0.04	-1.90	2.69	5.42e-03	0.27	-0.19
400	11	0.0	0.49	-6.52e-06	-0.06	0.0	0.03	-0.34	4.90	3.91e-03	0.0	0.0
		-0.04	0.0	-9.54e-05	0.0	10.0	0.03	-0.40	4.90	3.91e-03	0.49	-0.04
400	13	0.02	0.0	-6.42e-06	-0.06	0.0	0.01	0.21	-0.10	9.02e-04	0.0	0.0
		0.0	-0.01	-1.57e-05	0.0	10.0	0.01	0.15	-0.10	9.02e-04	-0.01	0.02
400	14	0.0	0.0	-5.88e-06	-0.06	0.0	0.02	-0.65	-0.21	2.26e-03	0.0	0.0
		-0.07	-0.02	-3.64e-05	0.0	10.0	0.02	-0.71	-0.21	2.26e-03	-0.02	-0.07
400	15	7.31e-03	0.09	-6.44e-06	-0.06	0.0	0.01	0.10	0.90	1.50e-03	0.0	0.0
		0.0	0.0	-3.16e-05	0.0	10.0	0.01	0.04	0.90	1.50e-03	0.09	7.31e-03
400	17	0.02	0.0	-6.42e-06	-0.06	0.0	0.01	0.21	-0.10	9.02e-04	0.0	0.0
		0.0	-0.01	-1.57e-05	0.0	10.0	0.01	0.15	-0.10	9.02e-04	-0.01	0.02
400	18	0.0	0.0	-6.09e-06	-0.06	0.0	0.02	-0.30	-0.17	1.71e-03	0.0	0.0
		-0.03	-0.02	-2.81e-05	0.0	10.0	0.02	-0.36	-0.17	1.71e-03	-0.02	-0.03
400	19	0.0	0.05	2.26e-06	-0.06	0.0	3.26	-1.42	0.51	8.13e-03	0.0	0.0
		-0.14	0.0	6.87e-05	0.0	10.0	3.26	-1.48	0.51	8.13e-03	0.05	-0.14
400	22	0.08	0.0	-1.44e-05	-0.06	0.0	-3.22	0.81	-0.84	-4.70e-03	0.0	0.0
		0.0	-0.08	-1.25e-04	0.0	10.0	-3.22	0.75	-0.84	-4.70e-03	-0.08	0.08
400	48	0.0	0.18	1.20e-06	-0.06	0.0	-1.04	-4.02	1.83	-3.23e-03	0.0	0.0
		-0.40	0.0	-2.55e-04	0.0	10.0	-1.04	-4.08	1.83	-3.23e-03	0.18	-0.40
400	49	0.34	0.0	-1.34e-05	-0.06	0.0	1.08	3.41	-2.16	6.66e-03	0.0	0.0
		0.0	-0.22	1.99e-04	0.0	10.0	1.08	3.35	-2.16	6.66e-03	-0.22	0.34
400	51	0.0	0.03	0.0	-0.06	0.0	2.36	-1.12	0.33	6.37e-03	0.0	0.0
		-0.11	0.0	4.49e-05	0.0	10.0	2.36	-1.18	0.33	6.37e-03	0.03	-0.11
400	54	0.05	0.0	-1.23e-05	-0.06	0.0	-2.33	0.51	-0.67	-2.94e-03	0.0	0.0
		0.0	-0.07	-1.01e-04	0.0	10.0	-2.33	0.45	-0.67	-2.94e-03	-0.07	0.05
400	80	0.0	0.13	0.0	-0.06	0.0	-0.76	-3.12	1.33	-2.02e-03	0.0	0.0
		-0.32	0.0	-2.21e-04	0.0	10.0	-0.76	-3.18	1.33	-2.02e-03	0.13	-0.32
400	81	0.25	0.0	-1.26e-05	-0.06	0.0	0.80	2.52	-1.66	5.45e-03	0.0	0.0
		0.0	-0.17	1.65e-04	0.0	10.0	0.80	2.46	-1.66	5.45e-03	-0.17	0.25
400	83	0.0	0.03	0.0	-0.06	0.0	2.09	-1.02	0.28	5.83e-03	0.0	0.0
		-0.11	0.0	3.68e-05	0.0	10.0	2.09	-1.09	0.28	5.83e-03	0.03	-0.11
400	86	0.04	0.0	-1.16e-05	-0.06	0.0	-2.05	0.42	-0.61	-2.40e-03	0.0	0.0
		0.0	-0.06	-9.30e-05	0.0	10.0	-2.05	0.36	-0.61	-2.40e-03	-0.06	0.04
400	112	0.0	0.12	0.0	-0.06	0.0	-0.67	-2.80	1.16	-1.60e-03	0.0	0.0
		-0.28	0.0	-2.00e-04	0.0	10.0	-0.67	-2.86	1.16	-1.60e-03	0.12	-0.28
400	113	0.22	0.0	-1.19e-05	-0.06	0.0	0.71	2.20	-1.50	5.03e-03	0.0	0.0
		0.0	-0.15	1.44e-04	0.0	10.0	0.71	2.14	-1.50	5.03e-03	-0.15	0.22
400	115	0.0	0.06	3.80e-06	-0.06	0.0	3.93	-1.65	0.65	9.44e-03	0.0	0.0
		-0.17	0.0	8.78e-05	0.0	10.0	3.93	-1.71	0.65	9.44e-03	0.06	-0.17
400	118	0.10	0.0	-1.60e-05	-0.06	0.0	-3.89	1.05	-0.98	-6.01e-03	0.0	0.0
		0.0	-0.10	-1.44e-04	0.0	10.0	-3.89	0.99	-0.98	-6.01e-03	-0.10	0.10
400	144	0.0	0.22	1.43e-06	-0.06	0.0	-1.26	-4.74	2.24	-4.14e-03	0.0	0.0
		-0.48	0.0	-2.75e-04	0.0	10.0	-1.26	-4.80	2.24	-4.14e-03	0.22	-0.48
400	145	0.41	0.0	-1.36e-05	-0.06	0.0	1.29	4.13	-2.57	7.57e-03	0.0	0.0
		0.0	-0.26	2.18e-04	0.0	10.0	1.29	4.07	-2.57	7.57e-03	-0.26	0.41
401	1	0.25	-0.02	-4.06e-06	-0.67	0.0	17.49	-0.18	-0.01	9.72e-03	-0.02	0.25

		-0.56	-0.04	-5.52e-05	0.0	160.0	17.49	-0.84	-0.01	9.72e-03	-0.04	-0.56
401	2	0.58	-4.74e-03	-8.71e-05	-0.67	0.0	17.67	0.03	-2.96e-03	0.02	-4.74e-03	0.58
		0.10	-9.48e-03	-3.47e-05	0.0	160.0	17.67	-0.63	-2.96e-03	0.02	-9.48e-03	0.10
401	3	0.23	-0.01	-5.53e-06	-0.51	0.0	13.50	-0.11	-9.18e-03	7.83e-03	-0.01	0.23
		-0.36	-0.03	-6.51e-05	0.0	160.0	13.50	-0.62	-9.18e-03	7.83e-03	-0.03	-0.36
401	4	0.57	-1.84e-03	-8.89e-05	-0.51	0.0	13.68	0.09	-1.15e-03	0.02	-1.84e-03	0.56
		0.30	-3.67e-03	-4.46e-05	0.0	160.0	13.68	-0.42	-1.15e-03	0.02	-3.67e-03	0.30
401	5	0.35	-0.02	-9.15e-06	-0.67	0.0	17.64	-0.11	-0.02	0.01	-0.02	0.35
		-0.36	-0.05	-1.13e-04	0.0	160.0	17.64	-0.78	-0.02	0.01	-0.05	-0.36
401	6	0.58	-0.02	-6.37e-05	-0.67	0.0	17.76	0.03	-9.61e-03	0.02	-0.02	0.58
		0.10	-0.03	-9.91e-05	0.0	160.0	17.76	-0.63	-9.61e-03	0.02	-0.03	0.10
401	9	0.18	-0.01	-2.67e-06	-0.51	0.0	13.43	-0.14	-7.48e-03	6.66e-03	-0.01	0.18
		-0.46	-0.02	-3.46e-05	0.0	160.0	13.43	-0.66	-7.48e-03	6.66e-03	-0.02	-0.46
401	10	0.40	-3.40e-03	-5.86e-05	-0.51	0.0	13.55	-6.31e-03	-2.13e-03	0.01	-3.40e-03	0.40
		-0.02	-6.81e-03	-2.09e-05	0.0	160.0	13.55	-0.52	-2.13e-03	0.01	-6.81e-03	-0.02
401	11	0.24	-0.02	-6.00e-06	-0.51	0.0	13.53	-0.10	-0.01	8.79e-03	-0.02	0.24
		-0.33	-0.03	-7.34e-05	0.0	160.0	13.53	-0.61	-0.01	8.79e-03	-0.03	-0.33
401	12	0.40	-0.01	-4.31e-05	-0.51	0.0	13.61	-6.47e-03	-6.56e-03	0.01	-0.01	0.40
		-0.02	-0.02	-6.38e-05	0.0	160.0	13.61	-0.52	-6.56e-03	0.01	-0.02	-0.02
401	13	0.08	-5.19e-03	4.14e-06	-0.51	0.0	13.28	-0.21	-3.24e-03	3.45e-03	-5.19e-03	0.08
		-0.66	-0.01	2.37e-05	0.0	160.0	13.28	-0.72	-3.24e-03	3.45e-03	-0.01	-0.66
401	14	0.19	-9.04e-04	-2.81e-05	-0.51	0.0	13.34	-0.14	-5.65e-04	7.41e-03	-9.04e-04	0.19
		-0.44	-1.81e-03	3.05e-05	0.0	160.0	13.34	-0.65	-5.65e-04	7.41e-03	-1.81e-03	-0.44
401	15	0.11	-7.45e-03	2.32e-06	-0.51	0.0	13.33	-0.19	-4.66e-03	4.52e-03	-7.45e-03	0.11
		-0.59	-0.01	4.87e-06	0.0	160.0	13.33	-0.70	-4.66e-03	4.52e-03	-0.01	-0.59
401	16	0.18	-4.88e-03	-1.75e-05	-0.51	0.0	13.36	-0.14	-3.05e-03	6.89e-03	-4.88e-03	0.18
		-0.46	-9.76e-03	8.38e-06	0.0	160.0	13.36	-0.66	-3.05e-03	6.89e-03	-9.76e-03	-0.46
401	17	0.08	-5.19e-03	4.14e-06	-0.51	0.0	13.28	-0.21	-3.24e-03	3.45e-03	-5.19e-03	0.08
		-0.66	-0.01	2.37e-05	0.0	160.0	13.28	-0.72	-3.24e-03	3.45e-03	-0.01	-0.66
401	18	0.15	-2.62e-03	-1.68e-05	-0.51	0.0	13.31	-0.16	-1.64e-03	5.83e-03	-2.62e-03	0.15
		-0.53	-5.24e-03	2.78e-05	0.0	160.0	13.31	-0.68	-1.64e-03	5.83e-03	-5.24e-03	-0.53
401	20	-2.71	1.09	-1.11e-03	-0.51	0.0	5.80	-1.94	0.35	0.19	0.60	-2.71
		-6.23	0.60	-2.59e-04	0.0	160.0	5.80	-2.46	0.35	0.19	1.09	-6.23
401	21	5.18	-0.61	1.07e-03	-0.51	0.0	20.83	1.61	-0.35	-0.18	-0.61	3.01
		3.01	-1.10	2.98e-04	0.0	160.0	20.83	1.10	-0.35	-0.18	-1.10	5.18
401	23	-4.30	0.81	-6.04e-04	-0.51	0.0	9.23	-2.93	0.22	0.33	0.59	-4.30
		-9.41	0.59	1.60e-04	0.0	160.0	9.23	-3.45	0.22	0.33	0.81	-9.41
401	26	8.35	-0.59	5.70e-04	-0.51	0.0	17.39	2.60	-0.23	-0.32	-0.59	4.60
		4.60	-0.82	-1.05e-04	0.0	160.0	17.39	2.09	-0.23	-0.32	-0.82	8.35
401	40	2.60	0.89	-1.14e-03	-0.51	0.0	5.48	0.81	0.34	-0.19	0.43	1.71
		1.71	0.43	-3.47e-04	0.0	160.0	5.48	0.30	0.34	-0.19	0.89	2.60
401	41	-1.42	-0.44	1.10e-03	-0.51	0.0	21.15	-1.14	-0.34	0.20	-0.44	-1.42
		-3.65	-0.90	3.95e-04	0.0	160.0	21.15	-1.65	-0.34	0.20	-0.90	-3.65
401	51	-3.09	0.52	-4.35e-04	-0.51	0.0	10.48	-2.18	0.14	0.27	0.32	-3.09
		-6.99	0.32	-7.25e-05	0.0	160.0	10.48	-2.69	0.14	0.27	0.52	-6.99
401	52	-1.93	0.83	-8.27e-04	-0.51	0.0	7.71	-1.46	0.26	0.14	0.46	-1.93
		-4.68	0.46	-1.76e-04	0.0	160.0	7.71	-1.97	0.26	0.14	0.83	-4.68
401	53	3.62	-0.47	7.93e-04	-0.51	0.0	18.92	1.13	-0.27	-0.13	-0.47	2.23
		2.23	-0.84	2.13e-04	0.0	160.0	18.92	0.62	-0.27	-0.13	-0.84	3.62
401	54	5.94	-0.32	4.02e-04	-0.51	0.0	16.15	1.85	-0.14	-0.25	-0.32	3.39
		3.39	-0.53	1.04e-04	0.0	160.0	16.15	1.34	-0.14	-0.25	-0.53	5.94
401	72	1.78	0.67	-8.58e-04	-0.51	0.0	7.42	0.55	0.25	-0.14	0.33	1.30
		1.30	0.33	-2.24e-04	0.0	160.0	7.42	0.04	0.25	-0.14	0.67	1.78
401	73	-1.01	-0.34	8.24e-04	-0.51	0.0	19.21	-0.88	-0.26	0.15	-0.34	-1.01
		-2.83	-0.68	2.69e-04	0.0	160.0	19.21	-1.39	-0.26	0.15	-0.68	-2.83
401	83	-2.72	0.46	-3.87e-04	-0.51	0.0	10.81	-1.94	0.12	0.24	0.28	-2.72
		-6.24	0.28	-6.21e-05	0.0	160.0	10.81	-2.46	0.12	0.24	0.46	-6.24
401	84	-1.69	0.74	-7.35e-04	-0.51	0.0	8.35	-1.31	0.23	0.13	0.41	-1.69
		-4.19	0.41	-1.52e-04	0.0	160.0	8.35	-1.82	0.23	0.13	0.74	-4.19
401	85	3.14	-0.42	7.01e-04	-0.51	0.0	18.28	0.98	-0.24	-0.12	-0.42	1.98
		1.98	-0.75	1.89e-04	0.0	160.0	18.28	0.47	-0.24	-0.12	-0.75	3.14
401	86	5.18	-0.29	3.54e-04	-0.51	0.0	15.82	1.62	-0.13	-0.22	-0.29	3.01
		3.01	-0.48	9.35e-05	0.0	160.0	15.82	1.10	-0.13	-0.22	-0.48	5.18
401	104	1.52	0.59	-7.63e-04	-0.51	0.0	8.08	0.47	0.22	-0.12	0.30	1.17
		1.17	0.30	-1.93e-04	0.0	160.0	8.08	-0.04	0.22	-0.12	0.59	1.51
401	105	-0.88	-0.30	7.29e-04	-0.51	0.0	18.55	-0.80	-0.23	0.13	-0.30	-0.88
		-2.57	-0.60	2.38e-04	0.0	160.0	18.55	-1.31	-0.23	0.13	-0.60	-2.57
401	116	-3.29	1.28	-1.33e-03	-0.51	0.0	4.25	-2.30	0.41	0.23	0.70	-3.29
		-7.39	0.70	-3.41e-04	0.0	160.0	4.25	-2.82	0.41	0.23	1.28	-7.39
401	117	6.33	-0.71	1.30e-03	-0.51	0.0	22.38	1.97	-0.42	-0.22	-0.71	3.58
		3.58	-1.29	3.80e-04	0.0	160.0	22.38	1.46	-0.42	-0.22	-1.29	6.33
401	119	-5.21	0.94	-7.24e-04	-0.51	0.0	8.39	-3.50	0.26	0.40	0.69	-5.21
		-11.22	0.69	1.51e-04	0.0	160.0	8.39	-4.01	0.26	0.40	0.94	-11.22
401	122	10.17	-0.69	6.91e-04	-0.51	0.0	18.23	3.17	-0.26	-0.39	-0.69	5.50
		5.50	-0.95	1.09e-04	0.0	160.0	18.23	2.66	-0.26	-0.39	-0.95	10.17

401	136	3.23	1.06	-1.37e-03	-0.51	0.0	3.85	1.01	0.41	-0.23	0.51	2.03
		2.03	0.51	-4.46e-04	0.0	160.0	3.85	0.49	0.41	-0.23	1.06	3.23
401	137	-1.74	-0.51	1.34e-03	-0.51	0.0	22.78	-1.34	-0.41	0.24	-0.51	-1.74
		-4.28	-1.07	4.96e-04	0.0	160.0	22.78	-1.85	-0.41	0.24	-1.07	-4.28
402	1	0.55	0.01	-1.20e-04	-1.33	0.0	16.91	0.65	-4.17e-03	-3.54e-03	0.01	0.04
		0.0	0.0	-1.39e-04	0.0	320.0	16.91	-0.68	-4.17e-03	-3.54e-03	0.0	0.0
402	4	0.28	0.20	-1.53e-04	-1.02	0.0	12.67	0.60	-0.06	-7.83e-03	0.20	-0.28
		-0.28	0.0	7.47e-04	0.0	320.0	12.67	-0.43	-0.06	-7.83e-03	0.0	0.0
402	5	0.51	0.04	-1.27e-04	-1.33	0.0	16.78	0.68	-0.01	-6.45e-03	0.04	-0.05
		-0.05	0.0	-1.50e-04	0.0	320.0	16.78	-0.65	-0.01	-6.45e-03	0.0	0.0
402	8	0.28	0.18	-1.44e-04	-1.02	0.0	12.64	0.60	-0.06	-9.26e-03	0.18	-0.29
		-0.29	0.0	5.04e-04	0.0	320.0	12.64	-0.42	-0.06	-9.26e-03	0.0	0.0
402	9	0.44	0.01	-8.96e-05	-1.02	0.0	13.04	0.49	-4.46e-03	-1.92e-03	0.01	0.06
		0.0	0.0	-6.68e-05	0.0	320.0	13.04	-0.53	-4.46e-03	-1.92e-03	0.0	0.0
402	10	0.34	0.12	-1.23e-04	-1.02	0.0	12.82	0.56	-0.04	-5.20e-03	0.12	-0.14
		-0.14	0.0	4.47e-04	0.0	320.0	12.82	-0.47	-0.04	-5.20e-03	0.0	0.0
402	11	0.40	0.03	-9.34e-05	-1.02	0.0	12.95	0.52	-0.01	-3.86e-03	0.03	-0.01
		-0.01	0.0	-7.46e-05	0.0	320.0	12.95	-0.51	-0.01	-3.86e-03	0.0	0.0
402	12	0.34	0.11	-1.18e-04	-1.02	0.0	12.80	0.56	-0.03	-6.16e-03	0.11	-0.15
		-0.15	0.0	2.85e-04	0.0	320.0	12.80	-0.47	-0.03	-6.16e-03	0.0	0.0
402	13	0.49	0.0	-8.48e-05	-1.02	0.0	13.16	0.46	5.20e-03	9.81e-04	-0.02	0.15
		0.0	-0.02	-5.51e-05	0.0	320.0	13.16	-0.56	5.20e-03	9.81e-04	0.0	0.0
402	14	0.44	0.04	-9.74e-05	-1.02	0.0	13.05	0.49	-0.01	-6.60e-04	0.04	0.06
		0.0	0.0	2.02e-04	0.0	320.0	13.05	-0.53	-0.01	-6.60e-04	0.0	0.0
402	15	0.47	0.0	-8.62e-05	-1.02	0.0	13.12	0.47	1.98e-03	1.35e-05	-6.34e-03	0.12
		0.0	-6.34e-03	-5.90e-05	0.0	320.0	13.12	-0.55	1.98e-03	1.35e-05	0.0	0.0
402	17	0.49	0.0	-8.48e-05	-1.02	0.0	13.16	0.46	5.20e-03	9.81e-04	-0.02	0.15
		0.0	-0.02	-5.51e-05	0.0	320.0	13.16	-0.56	5.20e-03	9.81e-04	0.0	0.0
402	18	0.46	0.01	-9.20e-05	-1.02	0.0	13.10	0.48	-4.55e-03	-3.61e-06	0.01	0.10
		0.0	0.0	9.90e-05	0.0	320.0	13.10	-0.54	-4.55e-03	-3.61e-06	0.0	0.0
402	19	0.0	1.86	9.22e-04	-1.02	0.0	21.48	1.13	-0.58	0.08	1.86	-1.97
		-1.97	0.0	4.80e-03	0.0	320.0	21.48	0.10	-0.58	0.08	0.0	0.0
402	22	2.17	0.0	-1.04e-03	-1.02	0.0	4.71	-0.16	0.57	-0.08	-1.83	2.17
		0.0	-1.83	-4.60e-03	0.0	320.0	4.71	-1.19	0.57	-0.08	0.0	0.0
402	36	0.0	3.49	-7.60e-04	-1.02	0.0	9.50	2.34	-1.09	0.12	3.49	-5.84
		-5.84	0.0	0.02	0.0	320.0	9.50	1.31	-1.09	0.12	0.0	0.0
402	37	6.03	0.0	6.37e-04	-1.02	0.0	16.69	-1.37	1.08	-0.12	-3.46	6.03
		0.0	-3.46	-0.02	0.0	320.0	16.69	-2.40	1.08	-0.12	0.0	0.0
402	40	0.0	3.47	-7.64e-04	-1.02	0.0	9.09	2.35	-1.08	0.12	3.47	-5.88
		-5.88	0.0	0.02	0.0	320.0	9.09	1.32	-1.08	0.12	0.0	0.0
402	41	6.07	0.0	6.42e-04	-1.02	0.0	17.10	-1.38	1.07	-0.12	-3.44	6.07
		0.0	-3.44	-0.02	0.0	320.0	17.10	-2.41	1.07	-0.12	0.0	0.0
402	51	5.78e-03	1.39	6.76e-04	-1.02	0.0	19.26	0.96	-0.43	0.06	1.39	-1.44
		-1.44	0.0	3.48e-03	0.0	320.0	19.26	-0.06	-0.43	0.06	0.0	0.0
402	54	1.64	0.0	-7.99e-04	-1.02	0.0	6.93	5.09e-04	0.42	-0.06	-1.36	1.64
		0.0	-1.36	-3.28e-03	0.0	320.0	6.93	-1.02	0.42	-0.06	0.0	0.0
402	68	0.0	2.63	-5.92e-04	-1.02	0.0	10.39	1.88	-0.82	0.09	2.63	-4.38
		-4.38	0.0	0.02	0.0	320.0	10.39	0.86	-0.82	0.09	0.0	0.0
402	69	4.58	0.0	4.69e-04	-1.02	0.0	15.80	-0.92	0.81	-0.09	-2.60	4.58
		0.0	-2.60	-0.02	0.0	320.0	15.80	-1.94	0.81	-0.09	0.0	0.0
402	72	0.0	2.61	-5.92e-04	-1.02	0.0	10.11	1.89	-0.82	0.09	2.61	-4.42
		-4.42	0.0	0.02	0.0	320.0	10.11	0.87	-0.82	0.09	0.0	0.0
402	73	4.62	0.0	4.70e-04	-1.02	0.0	16.08	-0.93	0.81	-0.09	-2.59	4.62
		0.0	-2.59	-0.02	0.0	320.0	16.08	-1.95	0.81	-0.09	0.0	0.0
402	83	0.02	1.23	5.93e-04	-1.02	0.0	18.55	0.91	-0.38	0.05	1.23	-1.27
		-1.27	0.0	3.08e-03	0.0	320.0	18.55	-0.12	-0.38	0.05	0.0	0.0
402	86	1.47	0.0	-7.16e-04	-1.02	0.0	7.64	0.06	0.38	-0.05	-1.20	1.46
		0.0	-1.20	-2.88e-03	0.0	320.0	7.64	-0.97	0.38	-0.05	0.0	0.0
402	100	0.0	2.34	-5.33e-04	-1.02	0.0	10.70	1.73	-0.73	0.08	2.34	-3.88
		-3.88	0.0	0.01	0.0	320.0	10.70	0.70	-0.73	0.08	0.0	0.0
402	101	4.08	0.0	4.10e-04	-1.02	0.0	15.50	-0.76	0.72	-0.08	-2.31	4.08
		0.0	-2.31	-0.01	0.0	320.0	15.50	-1.79	0.72	-0.08	0.0	0.0
402	104	0.0	2.32	-5.33e-04	-1.02	0.0	10.45	1.74	-0.73	0.08	2.32	-3.92
		-3.92	0.0	0.01	0.0	320.0	10.45	0.71	-0.73	0.08	0.0	0.0
402	105	4.11	0.0	4.10e-04	-1.02	0.0	15.74	-0.77	0.72	-0.08	-2.29	4.11
		0.0	-2.29	-0.01	0.0	320.0	15.74	-1.80	0.72	-0.08	0.0	0.0
402	115	0.0	2.23	1.12e-03	-1.02	0.0	23.14	1.26	-0.70	0.10	2.23	-2.38
		-2.38	0.0	5.81e-03	0.0	320.0	23.14	0.23	-0.70	0.10	0.0	0.0
402	118	2.58	0.0	-1.24e-03	-1.02	0.0	3.05	-0.29	0.69	-0.10	-2.20	2.58
		0.0	-2.20	-5.61e-03	0.0	320.0	3.05	-1.32	0.69	-0.10	0.0	0.0
402	132	0.0	4.21	-9.04e-04	-1.02	0.0	8.78	2.72	-1.32	0.14	4.21	-7.05
		-7.05	0.0	0.03	0.0	320.0	8.78	1.69	-1.32	0.14	0.0	0.0
402	133	7.25	0.0	7.82e-04	-1.02	0.0	17.41	-1.75	1.31	-0.14	-4.18	7.25
		0.0	-4.18	-0.03	0.0	320.0	17.41	-2.78	1.31	-0.14	0.0	0.0
402	136	0.0	4.18	-9.11e-04	-1.02	0.0	8.26	2.73	-1.31	0.15	4.18	-7.10

		-7.10	0.0	0.03	0.0	320.0	8.26	1.71	-1.31	0.15	0.0	0.0
402	137	7.29	0.0	7.88e-04	-1.02	0.0	17.93	-1.77	1.30	-0.15	-4.15	7.29
		0.0	-4.15	-0.03	0.0	320.0	17.93	-2.79	1.30	-0.15	0.0	0.0
404	1	0.17	0.26	-7.60e-06	-0.08	0.0	3.48e-03	1.69	2.63	-1.21e-03	0.0	0.0
		0.0	0.0	-1.88e-05	0.0	10.0	3.48e-03	1.62	2.63	-1.21e-03	0.26	0.17
404	2	0.41	0.97	-1.89e-05	-0.08	0.0	0.01	4.15	9.69	-3.89e-03	0.0	0.0
		0.0	0.0	-6.95e-05	0.0	10.0	0.01	4.07	9.69	-3.89e-03	0.97	0.41
404	3	0.13	0.20	-6.09e-06	-0.06	0.0	2.92e-03	1.32	1.96	-9.23e-04	0.0	0.0
		0.0	0.0	-1.41e-05	0.0	10.0	2.92e-03	1.26	1.96	-9.23e-04	0.20	0.13
404	9	0.13	0.20	-5.93e-06	-0.06	0.0	2.58e-03	1.31	2.00	-9.15e-04	0.0	0.0
		0.0	0.0	-1.43e-05	0.0	10.0	2.58e-03	1.25	2.00	-9.15e-04	0.20	0.13
404	10	0.29	0.67	-1.34e-05	-0.06	0.0	8.44e-03	2.94	6.70	-2.70e-03	0.0	0.0
		0.0	0.0	-4.81e-05	0.0	10.0	8.44e-03	2.88	6.70	-2.70e-03	0.67	0.29
404	13	0.13	0.20	-5.85e-06	-0.06	0.0	1.89e-03	1.30	2.00	-8.75e-04	0.0	0.0
		0.0	0.0	-1.44e-05	0.0	10.0	1.89e-03	1.24	2.00	-8.75e-04	0.20	0.13
404	14	0.21	0.44	-9.61e-06	-0.06	0.0	4.82e-03	2.12	4.35	-1.77e-03	0.0	0.0
		0.0	0.0	-3.13e-05	0.0	10.0	4.82e-03	2.06	4.35	-1.77e-03	0.44	0.21
404	17	0.13	0.20	-5.85e-06	-0.06	0.0	1.89e-03	1.30	2.00	-8.75e-04	0.0	0.0
		0.0	0.0	-1.44e-05	0.0	10.0	1.89e-03	1.24	2.00	-8.75e-04	0.20	0.13
404	18	0.18	0.34	-8.11e-06	-0.06	0.0	3.65e-03	1.79	3.41	-1.41e-03	0.0	0.0
		0.0	0.0	-2.45e-05	0.0	10.0	3.65e-03	1.73	3.41	-1.41e-03	0.34	0.18
404	28	0.0	0.0	1.25e-05	-0.06	0.0	-1.96	-2.11	-1.12	4.64e-03	0.0	0.0
		-0.21	-0.11	-1.86e-04	0.0	10.0	-1.96	-2.17	-1.12	4.64e-03	-0.11	-0.21
404	29	0.57	0.79	-2.87e-05	-0.06	0.0	1.97	5.69	7.95	-7.46e-03	0.0	0.0
		0.0	0.0	1.37e-04	0.0	10.0	1.97	5.63	7.95	-7.46e-03	0.79	0.57
404	36	0.0	0.0	8.51e-06	-0.06	0.0	-2.34	-1.35	-0.31	-8.69e-03	0.0	0.0
		-0.14	-0.03	-1.66e-04	0.0	10.0	-2.34	-1.41	-0.31	-8.69e-03	-0.03	-0.14
404	37	0.49	0.71	-2.47e-05	-0.06	0.0	2.35	4.94	7.14	5.87e-03	0.0	0.0
		0.0	0.0	1.17e-04	0.0	10.0	2.35	4.87	7.14	5.87e-03	0.71	0.49
404	60	0.0	4.37e-03	6.83e-06	-0.06	0.0	-1.47	-1.09	0.04	3.30e-03	0.0	0.0
		-0.11	0.0	-1.43e-04	0.0	10.0	-1.47	-1.15	0.04	3.30e-03	4.37e-03	-0.11
404	61	0.46	0.68	-2.30e-05	-0.06	0.0	1.47	4.67	6.78	-6.12e-03	0.0	0.0
		0.0	0.0	9.43e-05	0.0	10.0	1.47	4.61	6.78	-6.12e-03	0.68	0.46
404	68	0.0	0.06	4.15e-06	-0.06	0.0	-1.78	-0.54	0.63	-6.95e-03	0.0	0.0
		-0.06	0.0	-1.30e-04	0.0	10.0	-1.78	-0.60	0.63	-6.95e-03	0.06	-0.06
404	69	0.41	0.62	-2.04e-05	-0.06	0.0	1.79	4.13	6.19	4.13e-03	0.0	0.0
		0.0	0.0	8.09e-05	0.0	10.0	1.79	4.06	6.19	4.13e-03	0.62	0.41
404	82	0.08	0.22	-2.75e-06	-0.06	0.0	-0.51	0.79	2.25	-7.22e-03	0.0	0.0
		0.0	0.0	-7.29e-05	0.0	10.0	-0.51	0.73	2.25	-7.22e-03	0.22	0.08
404	92	0.0	0.04	5.09e-06	-0.06	0.0	-1.30	-0.76	0.43	2.79e-03	0.0	0.0
		-0.08	0.0	-1.30e-04	0.0	10.0	-1.30	-0.82	0.43	2.79e-03	0.04	-0.08
404	93	0.43	0.64	-2.13e-05	-0.06	0.0	1.31	4.34	6.40	-5.61e-03	0.0	0.0
		0.0	0.0	8.07e-05	0.0	10.0	1.31	4.28	6.40	-5.61e-03	0.64	0.43
404	100	0.0	0.09	2.74e-06	-0.06	0.0	-1.58	-0.28	0.95	-6.33e-03	0.0	0.0
		-0.03	0.0	-1.18e-04	0.0	10.0	-1.58	-0.34	0.95	-6.33e-03	0.09	-0.03
404	101	0.38	0.59	-1.90e-05	-0.06	0.0	1.59	3.86	5.88	3.51e-03	0.0	0.0
		0.0	0.0	6.89e-05	0.0	10.0	1.59	3.80	5.88	3.51e-03	0.59	0.38
404	114	0.09	0.24	-3.36e-06	-0.06	0.0	-0.46	0.91	2.38	-6.57e-03	0.0	0.0
		0.0	0.0	-6.74e-05	0.0	10.0	-0.46	0.85	2.38	-6.57e-03	0.24	0.09
404	124	0.0	0.0	1.69e-05	-0.06	0.0	-2.33	-2.92	-2.06	5.65e-03	0.0	0.0
		-0.30	-0.21	-2.19e-04	0.0	10.0	-2.33	-2.99	-2.06	5.65e-03	-0.21	-0.30
404	125	0.65	0.89	-3.32e-05	-0.06	0.0	2.34	6.51	8.89	-8.47e-03	0.0	0.0
		0.0	0.0	1.70e-04	0.0	10.0	2.34	6.45	8.89	-8.47e-03	0.89	0.65
404	132	0.0	0.0	1.20e-05	-0.06	0.0	-2.78	-2.01	-1.08	-0.01	0.0	0.0
		-0.20	-0.11	-1.96e-04	0.0	10.0	-2.78	-2.07	-1.08	-0.01	-0.11	-0.20
404	133	0.56	0.79	-2.82e-05	-0.06	0.0	2.79	5.59	7.91	7.33e-03	0.0	0.0
		0.0	0.0	1.47e-04	0.0	10.0	2.79	5.53	7.91	7.33e-03	0.79	0.56
405	1	0.98	7.72e-03	-4.78e-05	-0.08	0.0	-7.59e-03	9.84	0.08	0.07	0.0	0.0
		0.0	0.0	-1.64e-05	0.0	10.0	-7.59e-03	9.77	0.08	0.07	7.72e-03	0.98
405	2	3.72	0.03	-1.81e-04	-0.08	0.0	-0.02	37.21	0.32	0.31	0.0	0.0
		0.0	0.0	-6.08e-05	0.0	10.0	-0.02	37.13	0.32	0.31	0.03	3.72
405	3	0.75	6.08e-03	-3.66e-05	-0.06	0.0	-6.23e-03	7.52	0.06	0.05	0.0	0.0
		0.0	0.0	-1.23e-05	0.0	10.0	-6.23e-03	7.46	0.06	0.05	6.08e-03	0.75
405	5	0.98	7.86e-03	-4.80e-05	-0.08	0.0	-9.05e-03	9.86	0.08	0.07	0.0	0.0
		0.0	0.0	-1.64e-05	0.0	10.0	-9.05e-03	9.78	0.08	0.07	7.86e-03	0.98
405	9	0.75	5.95e-03	-3.67e-05	-0.06	0.0	-5.56e-03	7.55	0.06	0.05	0.0	0.0
		0.0	0.0	-1.25e-05	0.0	10.0	-5.56e-03	7.48	0.06	0.05	5.95e-03	0.75
405	10	2.58	0.02	-1.25e-04	-0.06	0.0	-0.02	25.79	0.22	0.21	0.0	0.0
		0.0	0.0	-4.21e-05	0.0	10.0	-0.02	25.73	0.22	0.21	0.02	2.58
405	11	0.75	6.05e-03	-3.68e-05	-0.06	0.0	-6.54e-03	7.56	0.06	0.05	0.0	0.0
		0.0	0.0	-1.25e-05	0.0	10.0	-6.54e-03	7.50	0.06	0.05	6.05e-03	0.75
405	13	0.75	5.81e-03	-3.65e-05	-0.06	0.0	-4.10e-03	7.53	0.06	0.05	0.0	0.0
		0.0	0.0	-1.25e-05	0.0	10.0	-4.10e-03	7.47	0.06	0.05	5.81e-03	0.75
405	14	1.66	0.01	-8.08e-05	-0.06	0.0	-8.95e-03	16.65	0.14	0.13	0.0	0.0
		0.0	0.0	-2.73e-05	0.0	10.0	-8.95e-03	16.59	0.14	0.13	0.01	1.66

405	15	0.75	5.86e-03	-3.65e-05	-0.06	0.0	-4.59e-03	7.53	0.06	0.05	0.0	0.0
		0.0	0.0	-1.25e-05	0.0	10.0	-4.59e-03	7.47	0.06	0.05	5.86e-03	0.75
405	17	0.75	5.81e-03	-3.65e-05	-0.06	0.0	-4.10e-03	7.53	0.06	0.05	0.0	0.0
		0.0	0.0	-1.25e-05	0.0	10.0	-4.10e-03	7.47	0.06	0.05	5.81e-03	0.75
405	18	1.30	0.01	-6.31e-05	-0.06	0.0	-7.01e-03	13.00	0.11	0.10	0.0	0.0
		0.0	0.0	-2.14e-05	0.0	10.0	-7.01e-03	12.94	0.11	0.10	0.01	1.30
405	19	0.81	0.0	-2.73e-05	-0.06	0.0	2.65	8.11	-0.45	-0.09	0.0	0.0
		0.0	-0.05	-9.88e-05	0.0	10.0	2.65	8.05	-0.45	-0.09	-0.05	0.81
405	28	0.21	0.0	1.82e-05	-0.06	0.0	-1.78	2.11	-1.08	-0.31	0.0	0.0
		0.0	-0.11	-1.80e-04	0.0	10.0	-1.78	2.05	-1.08	-0.31	-0.11	0.21
405	29	2.39	0.13	-1.44e-04	-0.06	0.0	1.77	23.89	1.30	0.51	0.0	0.0
		0.0	0.0	1.38e-04	0.0	10.0	1.77	23.83	1.30	0.51	0.13	2.39
405	35	1.76	0.07	-9.74e-05	-0.06	0.0	7.49	17.62	0.65	0.28	0.0	0.0
		0.0	0.0	5.27e-05	0.0	10.0	7.49	17.56	0.65	0.28	0.07	1.76
405	38	0.84	0.0	-2.88e-05	-0.06	0.0	-7.50	8.38	-0.44	-0.08	0.0	0.0
		0.0	-0.04	-9.56e-05	0.0	10.0	-7.50	8.32	-0.44	-0.08	-0.04	0.84
405	51	0.94	0.0	-3.68e-05	-0.06	0.0	2.12	9.41	-0.30	-0.04	0.0	0.0
		0.0	-0.03	-7.79e-05	0.0	10.0	2.12	9.35	-0.30	-0.04	-0.03	0.94
405	60	0.49	0.0	-3.09e-06	-0.06	0.0	-1.48	4.97	-0.77	-0.20	0.0	0.0
		0.0	-0.08	-1.39e-04	0.0	10.0	-1.48	4.91	-0.77	-0.20	-0.08	0.49
405	61	2.10	0.10	-1.23e-04	-0.06	0.0	1.46	21.03	0.98	0.41	0.0	0.0
		0.0	0.0	9.59e-05	0.0	10.0	1.46	20.97	0.98	0.41	0.10	2.10
405	67	1.64	0.05	-8.88e-05	-0.06	0.0	6.07	16.45	0.52	0.24	0.0	0.0
		0.0	0.0	3.43e-05	0.0	10.0	6.07	16.39	0.52	0.24	0.05	1.64
405	70	0.95	0.0	-3.74e-05	-0.06	0.0	-6.09	9.55	-0.30	-0.04	0.0	0.0
		0.0	-0.03	-7.72e-05	0.0	10.0	-6.09	9.49	-0.30	-0.04	-0.03	0.95
405	83	0.98	0.0	-3.99e-05	-0.06	0.0	1.89	9.83	-0.25	-0.02	0.0	0.0
		0.0	-0.03	-7.14e-05	0.0	10.0	1.89	9.77	-0.25	-0.02	-0.03	0.98
405	92	0.59	0.0	-9.96e-06	-0.06	0.0	-1.32	5.89	-0.67	-0.17	0.0	0.0
		0.0	-0.07	-1.25e-04	0.0	10.0	-1.32	5.83	-0.67	-0.17	-0.07	0.59
405	93	2.01	0.09	-1.16e-04	-0.06	0.0	1.30	20.11	0.88	0.37	0.0	0.0
		0.0	0.0	8.25e-05	0.0	10.0	1.30	20.05	0.88	0.37	0.09	2.01
405	99	1.60	0.05	-8.59e-05	-0.06	0.0	5.40	16.06	0.47	0.22	0.0	0.0
		0.0	0.0	2.81e-05	0.0	10.0	5.40	16.00	0.47	0.22	0.05	1.60
405	102	0.99	0.0	-4.03e-05	-0.06	0.0	-5.42	9.94	-0.26	-0.02	0.0	0.0
		0.0	-0.03	-7.09e-05	0.0	10.0	-5.42	9.88	-0.26	-0.02	-0.03	0.99
405	124	0.0	0.0	3.50e-05	-0.06	0.0	-1.98	-0.16	-1.33	-0.40	0.0	0.0
		-0.02	-0.13	-2.14e-04	0.0	10.0	-1.98	-0.22	-1.33	-0.40	-0.13	-0.02
405	125	2.61	0.15	-1.61e-04	-0.06	0.0	1.97	26.16	1.54	0.60	0.0	0.0
		0.0	0.0	1.71e-04	0.0	10.0	1.97	26.10	1.54	0.60	0.15	2.61
405	131	1.86	0.08	-1.05e-04	-0.06	0.0	8.45	18.59	0.77	0.32	0.0	0.0
		0.0	0.0	6.83e-05	0.0	10.0	8.45	18.53	0.77	0.32	0.08	1.86
405	134	0.74	0.0	-2.16e-05	-0.06	0.0	-8.47	7.41	-0.55	-0.12	0.0	0.0
		0.0	-0.06	-1.11e-04	0.0	10.0	-8.47	7.35	-0.55	-0.12	-0.06	0.74
406	1	0.31	0.87	-1.29e-05	-0.16	0.0	0.05	0.41	0.25	3.88e-03	0.83	0.25
		0.25	0.83	-1.44e-04	0.0	20.0	0.05	0.25	0.25	3.88e-03	0.87	0.31
406	3	0.16	0.91	-9.97e-06	-0.12	0.0	0.05	0.33	0.09	3.61e-03	0.89	0.10
		0.10	0.89	-1.31e-04	0.0	20.0	0.05	0.21	0.09	3.61e-03	0.91	0.16
406	6	-0.10	1.93	-1.92e-05	-0.16	0.0	0.11	1.10	1.09	8.53e-03	1.71	-0.30
		-0.30	1.71	-2.89e-04	0.0	20.0	0.11	0.94	1.09	8.53e-03	1.93	-0.10
406	8	-0.25	1.97	-1.63e-05	-0.12	0.0	0.10	1.02	0.93	8.26e-03	1.78	-0.44
		-0.44	1.78	-2.76e-04	0.0	20.0	0.10	0.90	0.93	8.26e-03	1.97	-0.25
406	9	0.28	0.61	-8.93e-06	-0.12	0.0	0.04	0.31	0.21	2.71e-03	0.56	0.23
		0.23	0.56	-9.95e-05	0.0	20.0	0.04	0.19	0.21	2.71e-03	0.61	0.28
406	12	3.53e-03	1.31	-1.31e-05	-0.12	0.0	0.07	0.77	0.77	5.81e-03	1.15	-0.14
		-0.14	1.15	-1.96e-04	0.0	20.0	0.07	0.65	0.77	5.81e-03	1.31	3.53e-03
406	13	0.51	0.04	-5.62e-06	-0.12	0.0	0.02	0.27	0.43	9.02e-04	-0.04	0.47
		0.47	-0.04	-3.29e-05	0.0	20.0	0.02	0.15	0.43	9.02e-04	0.04	0.51
406	16	0.38	0.37	-7.58e-06	-0.12	0.0	0.03	0.47	0.66	2.32e-03	0.24	0.30
		0.30	0.24	-7.75e-05	0.0	20.0	0.03	0.35	0.66	2.32e-03	0.37	0.38
406	17	0.51	0.04	-5.62e-06	-0.12	0.0	0.02	0.27	0.43	9.02e-04	-0.04	0.47
		0.47	-0.04	-3.29e-05	0.0	20.0	0.02	0.15	0.43	9.02e-04	0.04	0.51
406	18	0.46	0.18	-6.48e-06	-0.12	0.0	0.03	0.45	0.73	1.71e-03	0.04	0.38
		0.38	0.04	-5.53e-05	0.0	20.0	0.03	0.33	0.73	1.71e-03	0.18	0.46
406	19	-0.85	1.02	6.70e-05	-0.12	0.0	1.66	0.25	3.29	8.13e-03	1.02	-0.88
		-0.88	0.94	1.68e-04	0.0	20.0	1.66	0.13	3.29	8.13e-03	0.94	-0.85
406	22	1.77	-0.57	-8.00e-05	-0.12	0.0	-1.61	0.66	-1.83	-4.70e-03	-0.95	1.65
		1.65	-0.95	-2.78e-04	0.0	20.0	-1.61	0.54	-1.83	-4.70e-03	-0.57	1.77
406	48	-3.94	3.01	-5.86e-05	-0.12	0.0	-0.50	-0.10	-1.90	-3.23e-03	3.01	-3.94
		-4.01	2.46	-4.91e-05	0.0	20.0	-0.50	-0.22	-1.90	-3.23e-03	2.46	-4.01
406	49	4.93	-2.09	4.57e-05	-0.12	0.0	0.55	1.00	3.37	6.66e-03	-2.93	4.70
		4.70	-2.93	-6.15e-05	0.0	20.0	0.55	0.88	3.37	6.66e-03	-2.09	4.93
406	51	-0.50	0.77	4.76e-05	-0.12	0.0	1.22	0.31	2.64	6.37e-03	0.77	-0.55
		-0.55	0.75	1.17e-04	0.0	20.0	1.22	0.18	2.64	6.37e-03	0.75	-0.50
406	54	1.42	-0.38	-6.05e-05	-0.12	0.0	-1.17	0.60	-1.18	-2.94e-03	-0.70	1.31

		1.31	-0.70	-2.28e-04	0.0	20.0	-1.17	0.48	-1.18	-2.94e-03	-0.38	1.42
406	80	-2.91	2.27	-4.48e-05	-0.12	0.0	-0.37	0.02	-1.29	-2.02e-03	2.27	-2.91
		-2.94	1.90	-9.95e-05	0.0	20.0	-0.37	-0.10	-1.29	-2.02e-03	1.90	-2.94
406	81	3.86	-1.53	3.19e-05	-0.12	0.0	0.42	0.88	2.76	5.45e-03	-2.19	3.67
		3.67	-2.19	-1.11e-05	0.0	20.0	0.42	0.76	2.76	5.45e-03	-1.53	3.86
406	83	-0.39	0.69	4.14e-05	-0.12	0.0	1.09	0.32	2.42	5.83e-03	0.69	-0.44
		-0.44	0.68	9.86e-05	0.0	20.0	1.09	0.20	2.42	5.83e-03	0.68	-0.39
406	86	1.31	-0.32	-5.43e-05	-0.12	0.0	-1.03	0.58	-0.96	-2.40e-03	-0.61	1.20
		1.20	-0.61	-2.09e-04	0.0	20.0	-1.03	0.46	-0.96	-2.40e-03	-0.32	1.31
406	112	-2.53	2.02	-4.04e-05	-0.12	0.0	-0.32	0.07	-1.07	-1.60e-03	2.02	-2.53
		-2.56	1.71	-9.63e-05	0.0	20.0	-0.32	-0.05	-1.07	-1.60e-03	1.71	-2.56
406	113	3.48	-1.34	2.75e-05	-0.12	0.0	0.38	0.83	2.53	5.03e-03	-1.94	3.30
		3.30	-1.94	-1.42e-05	0.0	20.0	0.38	0.71	2.53	5.03e-03	-1.34	3.48
406	115	-1.12	1.23	8.22e-05	-0.12	0.0	1.99	0.20	3.82	9.44e-03	1.23	-1.15
		-1.15	1.10	2.09e-04	0.0	20.0	1.99	0.08	3.82	9.44e-03	1.10	-1.12
406	118	2.04	-0.73	-9.52e-05	-0.12	0.0	-1.94	0.70	-2.36	-6.01e-03	-1.15	1.91
		1.91	-1.15	-3.20e-04	0.0	20.0	-1.94	0.58	-2.36	-6.01e-03	-0.73	2.04
406	144	-4.77	3.62	-7.02e-05	-0.12	0.0	-0.60	-0.19	-2.40	-4.14e-03	3.62	-4.77
		-4.87	2.94	1.25e-05	0.0	20.0	-0.60	-0.31	-2.40	-4.14e-03	2.94	-4.87
406	145	5.79	-2.57	5.73e-05	-0.12	0.0	0.65	1.10	3.87	7.57e-03	-3.55	5.53
		5.53	-3.55	-1.23e-04	0.0	20.0	0.65	0.98	3.87	7.57e-03	-2.57	5.79
409	2	8.05	0.0	-6.87e-03	-14.14	0.0	-6.92	8.71	-1.92e-03	-2.13e-03	0.0	0.0
		0.0	-5.75e-03	7.92e-04	0.0	300.0	-6.92	-5.43	-1.92e-03	-2.13e-03	-5.75e-03	4.92
409	4	7.65	0.0	-6.61e-03	-13.37	0.0	-6.44	8.26	-1.81e-03	-2.03e-03	0.0	0.0
		0.0	-5.44e-03	7.47e-04	0.0	300.0	-6.44	-5.11	-1.81e-03	-2.03e-03	-5.44e-03	4.72
409	6	6.30	0.0	-5.31e-03	-10.90	0.0	-4.89	6.77	-2.12e-03	-1.98e-03	0.0	0.0
		0.0	-6.35e-03	8.74e-04	0.0	300.0	-4.89	-4.13	-2.12e-03	-1.98e-03	-6.35e-03	3.95
409	7	1.63	0.0	-1.28e-03	-2.57	0.0	-0.52	1.67	-1.40e-03	-9.67e-04	0.0	0.0
		0.0	-4.21e-03	5.74e-04	0.0	300.0	-0.52	-0.90	-1.40e-03	-9.67e-04	-4.21e-03	1.16
409	8	5.91	0.0	-5.05e-03	-10.13	0.0	-4.41	6.32	-2.01e-03	-1.88e-03	0.0	0.0
		0.0	-6.04e-03	8.29e-04	0.0	300.0	-4.41	-3.82	-2.01e-03	-1.88e-03	-6.04e-03	3.75
409	10	5.56	0.0	-4.75e-03	-9.77	0.0	-4.79	6.02	-1.30e-03	-1.47e-03	0.0	0.0
		0.0	-3.91e-03	5.37e-04	0.0	300.0	-4.79	-3.75	-1.30e-03	-1.47e-03	-3.91e-03	3.40
409	11	1.55	0.0	-1.20e-03	-2.57	0.0	-0.84	1.63	-1.03e-03	-7.65e-04	0.0	0.0
		0.0	-3.09e-03	4.22e-04	0.0	300.0	-0.84	-0.94	-1.03e-03	-7.65e-04	-3.09e-03	1.03
409	12	4.40	0.0	-3.71e-03	-7.61	0.0	-3.44	4.72	-1.44e-03	-1.37e-03	0.0	0.0
		0.0	-4.31e-03	5.92e-04	0.0	300.0	-3.44	-2.89	-1.44e-03	-1.37e-03	-4.31e-03	2.75
409	14	3.44	0.0	-2.89e-03	-6.17	0.0	-3.31	3.76	-5.51e-04	-8.01e-04	0.0	0.0
		0.0	-1.65e-03	2.25e-04	0.0	300.0	-3.31	-2.41	-5.51e-04	-8.01e-04	-1.65e-03	2.03
409	15	1.43	0.0	-1.12e-03	-2.57	0.0	-1.33	1.57	-4.14e-04	-4.48e-04	0.0	0.0
		0.0	-1.24e-03	1.67e-04	0.0	300.0	-1.33	-1.01	-4.14e-04	-4.48e-04	-1.24e-03	0.84
409	16	2.65	0.0	-2.19e-03	-4.73	0.0	-2.44	2.89	-5.89e-04	-7.07e-04	0.0	0.0
		0.0	-1.77e-03	2.40e-04	0.0	300.0	-2.44	-1.84	-5.89e-04	-7.07e-04	-1.77e-03	1.58
409	17	1.40	0.0	-1.10e-03	-2.57	0.0	-1.45	1.55	-2.60e-04	-3.69e-04	0.0	0.0
		0.0	-7.80e-04	1.04e-04	0.0	300.0	-1.45	-1.02	-2.60e-04	-3.69e-04	-7.80e-04	0.79
409	18	2.62	0.0	-2.17e-03	-4.73	0.0	-2.56	2.88	-4.35e-04	-6.28e-04	0.0	0.0
		0.0	-1.30e-03	1.77e-04	0.0	300.0	-2.56	-1.86	-4.35e-04	-6.28e-04	-1.30e-03	1.53
409	19	3.63	0.0	-3.11e-03	-4.73	0.0	0.86	3.39	-0.17	0.15	0.0	0.0
		0.0	-0.50	0.06	0.0	300.0	0.86	-1.34	-0.17	0.15	-0.50	3.07
409	22	1.77	0.50	-1.24e-03	-4.73	0.0	-5.99	2.37	0.17	-0.15	0.0	0.0
		-3.05e-04	0.0	-0.06	0.0	300.0	-5.99	-2.37	0.17	-0.15	0.50	-3.05e-04
409	48	7.45	0.0	-5.49e-03	-4.73	0.0	9.05	4.85	-0.02	0.07	0.0	0.0
		0.0	-0.07	0.01	0.0	300.0	9.05	0.12	-0.02	0.07	-0.07	7.45
409	49	0.26	0.06	1.16e-03	-4.73	0.0	-14.17	0.91	0.02	-0.07	0.0	0.0
		-4.38	0.0	-0.01	0.0	300.0	-14.17	-3.83	0.02	-0.07	0.06	-4.38
409	51	3.35	0.0	-2.86e-03	-4.73	0.0	-0.04	3.25	-0.11	0.10	0.0	0.0
		0.0	-0.32	0.04	0.0	300.0	-0.04	-1.48	-0.11	0.10	-0.32	2.65
409	54	1.98	0.31	-1.49e-03	-4.73	0.0	-5.08	2.51	0.10	-0.10	0.0	0.0
		0.0	0.0	-0.04	0.0	300.0	-5.08	-2.23	0.10	-0.10	0.31	0.42
409	80	6.11	0.0	-4.72e-03	-4.73	0.0	6.26	4.39	-0.01	0.05	0.0	0.0
		0.0	-0.03	6.57e-03	0.0	300.0	6.26	-0.34	-0.01	0.05	-0.03	6.08
409	81	0.58	0.03	4.03e-04	-4.73	0.0	-11.38	1.36	0.01	-0.05	0.0	0.0
		-3.01	0.0	-6.23e-03	0.0	300.0	-11.38	-3.37	0.01	-0.05	0.03	-3.01
409	83	3.26	0.0	-2.78e-03	-4.73	0.0	-0.34	3.21	-0.09	0.08	0.0	0.0
		0.0	-0.28	0.03	0.0	300.0	-0.34	-1.53	-0.09	0.08	-0.28	2.52
409	86	2.06	0.27	-1.57e-03	-4.73	0.0	-4.79	2.55	0.09	-0.08	0.0	0.0
		0.0	0.0	-0.03	0.0	300.0	-4.79	-2.18	0.09	-0.08	0.27	0.55
409	112	5.65	0.0	-4.43e-03	-4.73	0.0	5.26	4.22	-9.96e-03	0.04	0.0	0.0
		0.0	-0.03	5.65e-03	0.0	300.0	5.26	-0.51	-9.96e-03	0.04	-0.03	5.57
409	113	0.74	0.03	1.19e-04	-4.73	0.0	-10.39	1.53	9.09e-03	-0.04	0.0	0.0
		-2.50	0.0	-5.30e-03	0.0	300.0	-10.39	-3.20	9.09e-03	-0.04	0.03	-2.50
409	115	3.88	0.0	-3.32e-03	-4.73	0.0	1.58	3.50	-0.21	0.19	0.0	0.0
		0.0	-0.63	0.08	0.0	300.0	1.58	-1.23	-0.21	0.19	-0.63	3.39
409	118	1.61	0.63	-1.05e-03	-4.73	0.0	-6.71	2.26	0.21	-0.20	0.0	0.0
		-0.33	0.0	-0.08	0.0	300.0	-6.71	-2.48	0.21	-0.20	0.63	-0.33

409	144	8.53	0.0	-6.10e-03	-4.73	0.0	11.28	5.21	-0.03	0.09	0.0	0.0
		0.0	-0.09	0.02	0.0	300.0	11.28	0.48	-0.03	0.09	-0.09	8.53
409	145	0.09	0.09	1.77e-03	-4.73	0.0	-16.41	0.54	0.03	-0.09	0.0	0.0
		-5.47	0.0	-0.02	0.0	300.0	-16.41	-4.19	0.03	-0.09	0.09	-5.47
410	2	4.97	0.0	-2.74e-03	-14.14	0.0	-16.94	6.85	-7.74e-04	-6.20e-03	0.0	0.0
		-0.66	-2.32e-03	-1.18e-03	0.0	300.0	-16.94	-7.29	-7.74e-04	-6.20e-03	-2.32e-03	-0.66
410	6	3.95	0.0	-2.22e-03	-10.90	0.0	-12.46	5.36	-1.06e-03	-4.65e-03	0.0	0.0
		-0.27	-3.19e-03	-7.45e-04	0.0	300.0	-12.46	-5.54	-1.06e-03	-4.65e-03	-3.19e-03	-0.27
410	7	1.10	0.0	-6.58e-04	-2.57	0.0	-2.12	1.37	-9.07e-04	-9.63e-04	0.0	0.0
		0.0	-2.72e-03	1.44e-04	0.0	300.0	-2.12	-1.20	-9.07e-04	-9.63e-04	-2.72e-03	0.26
410	10	3.43	0.0	-1.89e-03	-9.77	0.0	-11.73	4.73	-5.18e-04	-4.31e-03	0.0	0.0
		-0.47	-1.55e-03	-8.24e-04	0.0	300.0	-11.73	-5.04	-5.18e-04	-4.31e-03	-1.55e-03	-0.47
410	11	1.01	0.0	-5.64e-04	-2.57	0.0	-2.52	1.32	-6.32e-04	-7.61e-04	0.0	0.0
		0.0	-1.89e-03	-7.19e-05	0.0	300.0	-2.52	-1.26	-6.32e-04	-7.61e-04	-1.89e-03	0.09
410	12	2.75	0.0	-1.54e-03	-7.61	0.0	-8.74	3.74	-7.12e-04	-3.28e-03	0.0	0.0
		-0.21	-2.14e-03	-5.36e-04	0.0	300.0	-8.74	-3.88	-7.12e-04	-3.28e-03	-2.14e-03	-0.21
410	14	2.09	0.0	-1.09e-03	-6.17	0.0	-7.75	2.94	-1.19e-04	-2.44e-03	0.0	0.0
		-0.45	-3.58e-04	-6.25e-04	0.0	300.0	-7.75	-3.23	-1.19e-04	-2.44e-03	-3.58e-04	-0.45
410	15	0.88	0.0	-4.31e-04	-2.57	0.0	-3.15	1.23	-1.76e-04	-6.64e-04	0.0	0.0
		-0.17	-5.28e-04	-2.50e-04	0.0	300.0	-3.15	-1.34	-1.76e-04	-6.64e-04	-5.28e-04	-0.17
410	16	1.63	0.0	-8.46e-04	-4.73	0.0	-5.82	2.27	-2.10e-04	-1.74e-03	0.0	0.0
		-0.29	-6.31e-04	-4.48e-04	0.0	300.0	-5.82	-2.46	-2.10e-04	-1.74e-03	-6.31e-04	-0.29
410	17	0.85	0.0	-3.99e-04	-2.57	0.0	-3.31	1.21	-6.22e-05	-6.40e-04	0.0	0.0
		-0.23	-1.87e-04	-2.94e-04	0.0	300.0	-3.31	-1.36	-6.22e-05	-6.40e-04	-1.87e-04	-0.23
410	18	1.59	0.0	-8.13e-04	-4.73	0.0	-5.97	2.25	-9.66e-05	-1.72e-03	0.0	0.0
		-0.36	-2.90e-04	-4.93e-04	0.0	300.0	-5.97	-2.49	-9.66e-05	-1.72e-03	-2.90e-04	-0.36
410	19	2.35	0.0	-1.68e-03	-4.73	0.0	-2.93	2.73	-0.17	0.15	0.0	0.0
		0.0	-0.50	0.06	0.0	300.0	-2.93	-2.01	-0.17	0.15	-0.50	1.08
410	22	0.99	0.50	3.44e-04	-4.73	0.0	-9.02	1.77	0.17	-0.16	0.0	0.0
		-1.80	0.0	-0.06	0.0	300.0	-9.02	-2.97	0.17	-0.16	0.50	-1.80
410	48	4.33	0.0	-3.27e-03	-4.73	0.0	3.19	3.70	-0.02	0.07	0.0	0.0
		0.0	-0.07	0.01	0.0	300.0	3.19	-1.03	-0.02	0.07	-0.07	4.00
410	49	0.20	0.07	1.85e-03	-4.73	0.0	-15.14	0.79	0.02	-0.07	0.0	0.0
		-4.72	0.0	-0.01	0.0	300.0	-15.14	-3.94	0.02	-0.07	0.07	-4.72
410	51	2.15	0.0	-1.45e-03	-4.73	0.0	-3.70	2.60	-0.11	0.09	0.0	0.0
		0.0	-0.32	0.04	0.0	300.0	-3.70	-2.13	-0.11	0.09	-0.32	0.72
410	54	1.13	0.31	-2.63e-04	-4.73	0.0	-8.25	1.89	0.10	-0.10	0.0	0.0
		-1.43	0.0	-0.04	0.0	300.0	-8.25	-2.84	0.10	-0.10	0.31	-1.43
410	80	3.53	0.0	-2.64e-03	-4.73	0.0	0.90	3.34	-0.01	0.05	0.0	0.0
		0.0	-0.03	5.96e-03	0.0	300.0	0.90	-1.39	-0.01	0.05	-0.03	2.91
410	81	0.42	0.03	1.23e-03	-4.73	0.0	-12.85	1.15	0.01	-0.05	0.0	0.0
		-3.63	0.0	-6.87e-03	0.0	300.0	-12.85	-3.58	0.01	-0.05	0.03	-3.63
410	83	2.08	0.0	-1.38e-03	-4.73	0.0	-3.96	2.56	-0.09	0.08	0.0	0.0
		0.0	-0.27	0.03	0.0	300.0	-3.96	-2.17	-0.09	0.08	-0.27	0.59
410	86	1.17	0.27	-3.18e-04	-4.73	0.0	-7.99	1.93	0.09	-0.09	0.0	0.0
		-1.31	0.0	-0.03	0.0	300.0	-7.99	-2.80	0.09	-0.09	0.27	-1.31
410	112	3.27	0.0	-2.43e-03	-4.73	0.0	0.13	3.21	-9.60e-03	0.04	0.0	0.0
		0.0	-0.03	5.03e-03	0.0	300.0	0.13	-1.52	-9.60e-03	0.04	-0.03	2.54
410	113	0.51	0.03	1.03e-03	-4.73	0.0	-12.08	1.28	9.41e-03	-0.04	0.0	0.0
		-3.26	0.0	-5.95e-03	0.0	300.0	-12.08	-3.45	9.41e-03	-0.04	0.03	-3.26
410	115	2.53	0.0	-1.86e-03	-4.73	0.0	-2.30	2.83	-0.21	0.19	0.0	0.0
		0.0	-0.63	0.08	0.0	300.0	-2.30	-1.91	-0.21	0.19	-0.63	1.38
410	118	0.88	0.63	5.26e-04	-4.73	0.0	-9.65	1.67	0.21	-0.20	0.0	0.0
		-2.10	0.0	-0.08	0.0	300.0	-9.65	-3.07	0.21	-0.20	0.63	-2.10
410	144	5.08	0.0	-3.79e-03	-4.73	0.0	5.11	4.01	-0.03	0.09	0.0	0.0
		0.0	-0.09	0.01	0.0	300.0	5.11	-0.73	-0.03	0.09	-0.09	4.92
410	145	0.07	0.09	2.37e-03	-4.73	0.0	-17.06	0.49	0.03	-0.09	0.0	0.0
		-5.64	0.0	-0.02	0.0	300.0	-17.06	-4.25	0.03	-0.09	0.09	-5.64
411	2	2.51	0.29	-1.19e-04	-0.53	0.0	0.07	25.41	2.95	-0.02	0.0	0.0
		0.0	0.0	-1.19e-04	0.0	10.0	0.07	24.88	2.95	-0.02	0.29	2.51
411	3	0.93	0.0	-4.93e-05	-0.30	0.0	0.04	9.48	-0.20	-7.45e-03	0.0	0.0
		0.0	-0.02	-8.90e-05	0.0	10.0	0.04	9.18	-0.20	-7.45e-03	-0.02	0.93
411	4	2.13	0.27	-9.78e-05	-0.30	0.0	0.07	21.46	2.72	-0.02	0.0	0.0
		0.0	0.0	-1.13e-04	0.0	10.0	0.07	21.16	2.72	-0.02	0.27	2.13
411	6	2.32	0.15	-1.13e-04	-0.53	0.0	0.08	23.50	1.46	-0.02	0.0	0.0
		0.0	0.0	-1.64e-04	0.0	10.0	0.08	22.97	1.46	-0.02	0.15	2.32
411	7	1.10	0.0	-5.83e-05	-0.30	0.0	0.05	11.17	-0.81	-0.01	0.0	0.0
		0.0	-0.08	-1.41e-04	0.0	10.0	0.05	10.87	-0.81	-0.01	-0.08	1.10
411	9	0.93	0.01	-4.92e-05	-0.36	0.0	0.03	9.45	0.11	-6.17e-03	0.0	0.0
		0.0	0.0	-6.40e-05	0.0	10.0	0.03	9.09	0.11	-6.17e-03	0.01	0.93
411	10	1.73	0.21	-8.15e-05	-0.36	0.0	0.05	17.43	2.06	-0.01	0.0	0.0
		0.0	0.0	-8.03e-05	0.0	10.0	0.05	17.07	2.06	-0.01	0.21	1.73
411	11	1.04	0.0	-5.53e-05	-0.36	0.0	0.04	10.57	-0.30	-8.03e-03	0.0	0.0
		0.0	-0.03	-9.88e-05	0.0	10.0	0.04	10.21	-0.30	-8.03e-03	-0.03	1.04
411	12	1.60	0.11	-7.79e-05	-0.36	0.0	0.06	16.16	1.07	-0.01	0.0	0.0

		0.0	0.0	-1.10e-04	0.0	10.0	0.06	15.80	1.07	-0.01	0.11	1.60
411	13	0.76	0.07	-4.01e-05	-0.36	0.0	0.01	7.76	0.72	-3.38e-03	0.0	0.0
		0.0	0.0	-1.18e-05	0.0	10.0	0.01	7.40	0.72	-3.38e-03	0.07	0.76
411	14	1.16	0.17	-5.63e-05	-0.36	0.0	0.02	11.76	1.69	-7.38e-03	0.0	0.0
		0.0	0.0	-2.00e-05	0.0	10.0	0.02	11.40	1.69	-7.38e-03	0.17	1.16
411	16	1.05	0.11	-5.29e-05	-0.36	0.0	0.02	10.72	1.10	-6.71e-03	0.0	0.0
		0.0	0.0	-3.41e-05	0.0	10.0	0.02	10.36	1.10	-6.71e-03	0.11	1.05
411	17	0.76	0.07	-4.01e-05	-0.36	0.0	0.01	7.76	0.72	-3.38e-03	0.0	0.0
		0.0	0.0	-1.18e-05	0.0	10.0	0.01	7.40	0.72	-3.38e-03	0.07	0.76
411	18	1.00	0.13	-4.98e-05	-0.36	0.0	0.02	10.16	1.30	-5.78e-03	0.0	0.0
		0.0	0.0	-1.67e-05	0.0	10.0	0.02	9.80	1.30	-5.78e-03	0.13	1.00
411	24	1.72	0.0	-1.10e-04	-0.36	0.0	1.10	17.40	-0.64	-7.24e-03	0.0	0.0
		0.0	-0.06	-1.05e-04	0.0	10.0	1.10	17.04	-0.64	-7.24e-03	-0.06	1.72
411	25	0.27	0.33	1.05e-05	-0.36	0.0	-1.06	2.92	3.25	-4.31e-03	0.0	0.0
		0.0	0.0	7.14e-05	0.0	10.0	-1.06	2.56	3.25	-4.31e-03	0.33	0.27
411	48	2.03	0.0	-1.38e-04	-0.36	0.0	0.87	20.52	-1.37	-0.04	0.0	0.0
		0.0	-0.14	-3.75e-04	0.0	10.0	0.87	20.16	-1.37	-0.04	-0.14	2.03
411	49	0.0	0.40	3.82e-05	-0.36	0.0	-0.83	-0.20	3.98	0.03	0.0	0.0
		-0.04	0.0	3.42e-04	0.0	10.0	-0.83	-0.57	3.98	0.03	0.40	-0.04
411	56	1.54	0.0	-9.54e-05	-0.36	0.0	0.81	15.61	-0.17	-7.54e-03	0.0	0.0
		0.0	-0.02	-9.25e-05	0.0	10.0	0.81	15.25	-0.17	-7.54e-03	-0.02	1.54
411	57	0.45	0.28	-4.25e-06	-0.36	0.0	-0.77	4.71	2.78	-4.01e-03	0.0	0.0
		0.0	0.0	5.91e-05	0.0	10.0	-0.77	4.35	2.78	-4.01e-03	0.28	0.45
411	67	0.63	0.23	-1.90e-05	-0.36	0.0	0.65	6.48	2.33	-0.02	0.0	0.0
		0.0	0.0	1.31e-04	0.0	10.0	0.65	6.12	2.33	-0.02	0.23	0.63
411	80	1.79	0.0	-1.18e-04	-0.36	0.0	0.66	18.11	-0.75	-0.04	0.0	0.0
		0.0	-0.08	-3.14e-04	0.0	10.0	0.66	17.75	-0.75	-0.04	-0.08	1.79
411	81	0.20	0.34	1.80e-05	-0.36	0.0	-0.62	2.21	3.36	0.02	0.0	0.0
		0.0	0.0	2.80e-04	0.0	10.0	-0.62	1.85	3.36	0.02	0.34	0.20
411	88	1.48	0.0	-9.02e-05	-0.36	0.0	0.72	14.99	-4.93e-03	-7.36e-03	0.0	0.0
		0.0	-4.93e-04	-8.44e-05	0.0	10.0	0.72	14.63	-4.93e-03	-7.36e-03	-4.93e-04	1.48
411	89	0.51	0.26	-9.42e-06	-0.36	0.0	-0.68	5.33	2.61	-4.19e-03	0.0	0.0
		0.0	0.0	5.10e-05	0.0	10.0	-0.68	4.97	2.61	-4.19e-03	0.26	0.51
411	99	0.67	0.22	-2.24e-05	-0.36	0.0	0.58	6.88	2.22	-0.02	0.0	0.0
		0.0	0.0	1.16e-04	0.0	10.0	0.58	6.52	2.22	-0.02	0.22	0.67
411	112	1.70	0.0	-1.10e-04	-0.36	0.0	0.59	17.22	-0.52	-0.03	0.0	0.0
		0.0	-0.05	-2.81e-04	0.0	10.0	0.59	16.85	-0.52	-0.03	-0.05	1.70
411	113	0.29	0.31	1.04e-05	-0.36	0.0	-0.55	3.10	3.13	0.02	0.0	0.0
		0.0	0.0	2.48e-04	0.0	10.0	-0.55	2.74	3.13	0.02	0.31	0.29
411	120	1.86	0.0	-1.22e-04	-0.36	0.0	1.31	18.83	-1.03	-6.68e-03	0.0	0.0
		0.0	-0.10	-1.12e-04	0.0	10.0	1.31	18.47	-1.03	-6.68e-03	-0.10	1.86
411	121	0.13	0.36	2.23e-05	-0.36	0.0	-1.27	1.49	3.64	-4.87e-03	0.0	0.0
		0.0	0.0	7.82e-05	0.0	10.0	-1.27	1.13	3.64	-4.87e-03	0.36	0.13
411	144	2.23	0.0	-1.54e-04	-0.36	0.0	1.04	22.43	-1.86	-0.05	0.0	0.0
		0.0	-0.19	-4.15e-04	0.0	10.0	1.04	22.07	-1.86	-0.05	-0.19	2.23
411	145	0.0	0.45	5.41e-05	-0.36	0.0	-1.00	-2.11	4.47	0.04	0.0	0.0
		-0.23	0.0	3.82e-04	0.0	10.0	-1.00	-2.48	4.47	0.04	0.45	-0.23
412	2	16.42	3.75	-9.48e-04	-6.35	0.0	0.07	14.76	2.88	-0.02	0.29	2.52
		2.52	0.29	-1.18e-03	0.0	120.0	0.07	8.41	2.88	-0.02	3.75	16.42
412	3	6.57	1.80	-3.97e-04	-3.61	0.0	0.04	6.50	1.51	-7.45e-03	-0.02	0.93
		0.93	-0.02	-9.68e-04	0.0	120.0	0.04	2.89	1.51	-7.45e-03	1.80	6.57
412	6	15.65	4.05	-9.06e-04	-6.35	0.0	0.08	14.27	3.26	-0.02	0.15	2.33
		2.33	0.15	-1.72e-03	0.0	120.0	0.08	7.92	3.26	-0.02	4.05	15.65
412	7	7.98	2.61	-4.70e-04	-3.61	0.0	0.05	7.54	2.24	-0.01	-0.08	1.10
		1.10	-0.08	-1.56e-03	0.0	120.0	0.05	3.93	2.24	-0.01	2.61	7.98
412	9	6.40	1.42	-3.96e-04	-4.33	0.0	0.03	6.72	1.18	-6.17e-03	0.01	0.93
		0.93	0.01	-6.86e-04	0.0	120.0	0.03	2.39	1.18	-6.17e-03	1.42	6.40
412	10	11.26	2.56	-6.51e-04	-4.33	0.0	0.05	10.10	1.96	-0.01	0.21	1.73
		1.73	0.21	-7.92e-04	0.0	120.0	0.05	5.77	1.96	-0.01	2.56	11.26
412	11	7.34	1.97	-4.45e-04	-4.33	0.0	0.04	7.41	1.66	-8.03e-03	-0.03	1.04
		1.04	-0.03	-1.08e-03	0.0	120.0	0.04	3.08	1.66	-8.03e-03	1.97	7.34
412	12	10.74	2.76	-6.23e-04	-4.33	0.0	0.05	9.78	2.21	-0.01	0.11	1.60
		1.60	0.11	-1.15e-03	0.0	120.0	0.05	5.45	2.21	-0.01	2.76	10.74
412	13	4.98	0.61	-3.23e-04	-4.33	0.0	0.01	5.69	0.45	-3.38e-03	0.07	0.76
		0.76	0.07	-9.81e-05	0.0	120.0	0.01	1.35	0.45	-3.38e-03	0.61	4.98
412	14	7.41	1.18	-4.50e-04	-4.33	0.0	0.02	7.38	0.84	-7.38e-03	0.17	1.16
		1.16	0.17	-1.51e-04	0.0	120.0	0.02	3.05	0.84	-7.38e-03	1.18	7.41
412	15	5.45	0.88	-3.47e-04	-4.33	0.0	0.02	6.03	0.69	-4.31e-03	0.05	0.81
		0.81	0.05	-2.94e-04	0.0	120.0	0.02	1.70	0.69	-4.31e-03	0.88	5.45
412	16	6.91	1.22	-4.24e-04	-4.33	0.0	0.02	7.05	0.93	-6.71e-03	0.11	1.06
		1.06	0.11	-3.26e-04	0.0	120.0	0.02	2.71	0.93	-6.71e-03	1.22	6.91
412	17	4.98	0.61	-3.23e-04	-4.33	0.0	0.01	5.69	0.45	-3.38e-03	0.07	0.76
		0.76	0.07	-9.81e-05	0.0	120.0	0.01	1.35	0.45	-3.38e-03	0.61	4.98
412	18	6.44	0.95	-3.99e-04	-4.33	0.0	0.02	6.70	0.68	-5.78e-03	0.13	1.00
		1.00	0.13	-1.30e-04	0.0	120.0	0.02	2.37	0.68	-5.78e-03	0.95	6.44

412	23	8.74	0.07	-5.24e-04	-4.33	0.0	-1.28	8.47	-1.78	0.02	0.07	0.26
		0.26	-2.18	1.37e-03	0.0	120.0	-1.28	4.13	-1.78	0.02	-2.18	8.74
412	26	4.15	4.08	-2.74e-04	-4.33	0.0	1.32	4.93	3.15	-0.03	0.19	1.74
		1.74	0.19	-1.63e-03	0.0	120.0	1.32	0.60	3.15	-0.03	4.08	4.15
412	47	-0.05	0.32	1.29e-04	-4.33	0.0	-0.87	-1.13	-3.87	0.04	0.32	-0.05
		-3.70	-4.72	3.48e-03	0.0	120.0	-0.87	-5.46	-3.87	0.04	-4.72	-3.70
412	48	20.43	5.67	-1.13e-03	-4.33	0.0	0.29	17.50	4.49	-0.04	-0.14	1.73
		1.73	-0.14	-3.68e-03	0.0	120.0	0.29	13.17	4.49	-0.04	5.67	20.43
412	49	0.27	0.40	3.32e-04	-4.33	0.0	-0.25	-4.10	-3.12	0.03	0.40	0.27
		-7.55	-3.77	3.42e-03	0.0	120.0	-0.25	-8.43	-3.12	0.03	-3.77	-7.55
412	50	16.58	6.62	-9.27e-04	-4.33	0.0	0.91	14.53	5.23	-0.05	-0.06	2.05
		2.05	-0.06	-3.74e-03	0.0	120.0	0.91	10.20	5.23	-0.05	6.62	16.58
412	55	8.02	0.09	-4.85e-04	-4.33	0.0	-0.89	7.91	-1.25	0.01	0.09	0.45
		0.45	-1.50	1.09e-03	0.0	120.0	-0.89	3.58	-1.25	0.01	-1.50	8.02
412	58	4.86	3.41	-3.13e-04	-4.33	0.0	0.93	5.49	2.62	-0.02	0.17	1.55
		1.55	0.17	-1.35e-03	0.0	120.0	0.93	1.16	2.62	-0.02	3.41	4.86
412	79	0.27	0.28	1.58e-05	-4.33	0.0	-0.63	0.55	-2.99	0.03	0.28	0.20
		-1.52	-3.62	2.91e-03	0.0	120.0	-0.63	-3.78	-2.99	0.03	-3.62	-1.52
412	80	17.24	4.80	-9.63e-04	-4.33	0.0	0.25	15.03	3.79	-0.04	-0.08	1.57
		1.57	-0.08	-3.12e-03	0.0	120.0	0.25	10.70	3.79	-0.04	4.80	17.24
412	81	0.42	0.34	1.64e-04	-4.33	0.0	-0.21	-1.63	-2.42	0.02	0.34	0.42
		-4.36	-2.90	2.86e-03	0.0	120.0	-0.21	-5.96	-2.42	0.02	-2.90	-4.36
412	82	14.40	5.52	-8.14e-04	-4.33	0.0	0.67	12.85	4.36	-0.04	-0.02	1.80
		1.80	-0.02	-3.17e-03	0.0	120.0	0.67	8.52	4.36	-0.04	5.52	14.40
412	87	7.83	0.09	-4.75e-04	-4.33	0.0	-0.79	7.77	-1.04	9.99e-03	0.09	0.51
		0.51	-1.23	9.54e-04	0.0	120.0	-0.79	3.44	-1.04	9.99e-03	-1.23	7.83
412	90	5.05	3.14	-3.24e-04	-4.33	0.0	0.83	5.63	2.41	-0.02	0.17	1.49
		1.49	0.17	-1.21e-03	0.0	120.0	0.83	1.30	2.41	-0.02	3.14	5.05
412	111	0.56	0.26	-3.11e-05	-4.33	0.0	-0.55	1.23	-2.58	0.03	0.26	0.29
		-0.63	-3.12	2.58e-03	0.0	120.0	-0.55	-3.10	-2.58	0.03	-3.12	-0.63
412	112	16.03	4.38	-9.00e-04	-4.33	0.0	0.23	14.10	3.45	-0.03	-0.05	1.51
		1.51	-0.05	-2.80e-03	0.0	120.0	0.23	9.77	3.45	-0.03	4.38	16.03
412	113	0.49	0.31	1.01e-04	-4.33	0.0	-0.19	-0.70	-2.08	0.02	0.31	0.49
		-3.14	-2.48	2.54e-03	0.0	120.0	-0.19	-5.03	-2.08	0.02	-2.48	-3.14
412	114	13.51	5.02	-7.67e-04	-4.33	0.0	0.59	12.17	3.95	-0.04	1.86e-04	1.71
		1.71	1.86e-04	-2.84e-03	0.0	120.0	0.59	7.84	3.95	-0.04	5.02	13.51
412	119	9.33	0.06	-5.56e-04	-4.33	0.0	-1.59	8.92	-2.21	0.02	0.06	0.11
		0.11	-2.72	1.57e-03	0.0	120.0	-1.59	4.59	-2.21	0.02	-2.72	9.33
412	122	3.64	4.62	-2.42e-04	-4.33	0.0	1.63	4.48	3.57	-0.03	0.20	1.89
		1.89	0.20	-1.83e-03	0.0	120.0	1.63	0.15	3.57	-0.03	4.62	3.56
412	143	-0.24	0.35	2.18e-04	-4.33	0.0	-1.06	-2.45	-4.51	0.04	0.35	-0.24
		-5.41	-5.54	3.84e-03	0.0	120.0	-1.06	-6.78	-4.51	0.04	-5.54	-5.41
412	144	22.95	6.29	-1.26e-03	-4.33	0.0	0.33	19.44	4.99	-0.05	-0.19	1.86
		1.86	-0.19	-4.02e-03	0.0	120.0	0.33	15.11	4.99	-0.05	6.29	22.95
412	145	0.14	0.45	4.63e-04	-4.33	0.0	-0.29	-6.04	-3.62	0.04	0.45	0.14
		-10.07	-4.39	3.76e-03	0.0	120.0	-0.29	-10.37	-3.62	0.04	-4.39	-10.07
412	146	18.29	7.44	-1.02e-03	-4.33	0.0	1.10	15.85	5.88	-0.05	-0.09	2.24
		2.24	-0.09	-4.10e-03	0.0	120.0	1.10	11.52	5.88	-0.05	7.44	18.29
413	2	16.42	3.75	-1.01e-05	-1.06	0.0	0.07	-0.22	-0.99	-0.02	3.75	16.42
		16.27	3.55	-1.05e-04	0.0	20.0	0.07	-1.28	-0.99	-0.02	3.55	16.27
413	3	6.58	2.44	-5.46e-06	-0.60	0.0	0.04	0.18	3.20	-7.45e-03	1.80	6.57
		6.55	1.80	-1.18e-04	0.0	20.0	0.04	-0.42	3.20	-7.45e-03	2.44	6.55
413	6	15.65	4.66	-9.89e-06	-1.06	0.0	0.08	-0.05	3.03	-0.02	4.05	15.65
		15.53	4.05	-1.88e-04	0.0	20.0	0.08	-1.10	3.03	-0.02	4.66	15.53
413	9	6.41	1.76	-5.78e-06	-0.72	0.0	0.03	0.26	1.66	-6.17e-03	1.42	6.40
		6.38	1.42	-7.98e-05	0.0	20.0	0.03	-0.46	1.66	-6.17e-03	1.76	6.38
413	10	11.26	2.56	-7.12e-06	-0.72	0.0	0.05	-0.16	-0.77	-0.01	2.56	11.26
		11.15	2.41	-6.94e-05	0.0	20.0	0.05	-0.88	-0.77	-0.01	2.41	11.15
413	12	10.74	3.14	-6.97e-06	-0.72	0.0	0.05	-0.04	1.91	-0.01	2.76	10.74
		10.66	2.76	-1.25e-04	0.0	20.0	0.05	-0.76	1.91	-0.01	3.14	10.66
413	13	4.99	0.61	-5.51e-06	-0.72	0.0	0.01	0.27	-1.26	-3.38e-03	0.61	4.98
		4.97	0.36	-1.58e-06	0.0	20.0	0.01	-0.45	-1.26	-3.38e-03	0.36	4.97
413	14	7.41	1.18	-6.01e-06	-0.72	0.0	0.02	0.06	-2.48	-7.38e-03	1.18	7.41
		7.35	0.68	3.64e-06	0.0	20.0	0.02	-0.66	-2.48	-7.38e-03	0.68	7.35
413	16	6.92	1.22	-5.89e-06	-0.72	0.0	0.02	0.14	-1.02	-6.71e-03	1.22	6.91
		6.87	1.02	-2.45e-05	0.0	20.0	0.02	-0.58	-1.02	-6.71e-03	1.02	6.87
413	17	4.99	0.61	-5.51e-06	-0.72	0.0	0.01	0.27	-1.26	-3.38e-03	0.61	4.98
		4.97	0.36	-1.58e-06	0.0	20.0	0.01	-0.45	-1.26	-3.38e-03	0.36	4.97
413	18	6.44	0.95	-5.78e-06	-0.72	0.0	0.02	0.15	-1.99	-5.78e-03	0.95	6.44
		6.40	0.55	1.57e-06	0.0	20.0	0.02	-0.57	-1.99	-5.78e-03	0.55	6.40
413	23	8.72	-0.71	-7.38e-06	-0.72	0.0	-2.06	-0.50	1.92	0.02	-2.18	8.72
		8.51	-2.18	1.85e-04	0.0	20.0	-2.06	-1.22	1.92	0.02	-0.71	8.51
413	26	4.29	4.08	-4.19e-06	-0.72	0.0	2.10	0.79	-5.91	-0.03	4.08	4.16
		4.16	1.81	-1.81e-04	0.0	20.0	2.10	0.07	-5.91	-0.03	1.81	4.29
413	48	20.44	9.22	-1.21e-05	-0.72	0.0	7.46e-03	-2.12	25.21	-0.04	5.67	20.44

		20.13	5.67	-3.63e-04	0.0	20.0	7.46e-03	-2.85	25.21	-0.04	9.22	20.13
413	49	-7.33	-3.77	-3.45e-06	-0.72	0.0	0.03	2.42	-29.20	0.03	-3.77	-7.56
		-7.56	-8.11	3.66e-04	0.0	20.0	0.03	1.70	-29.20	0.03	-8.11	-7.33
413	55	8.01	-0.57	-6.87e-06	-0.72	0.0	-1.37	-0.33	0.63	0.01	-1.50	8.01
		7.83	-1.50	1.53e-04	0.0	20.0	-1.37	-1.05	0.63	0.01	-0.57	7.83
413	58	4.97	3.41	-4.69e-06	-0.72	0.0	1.41	0.62	-4.62	-0.02	3.41	4.87
		4.87	1.67	-1.50e-04	0.0	20.0	1.41	-0.10	-4.62	-0.02	1.67	4.97
413	80	17.24	7.58	-1.06e-05	-0.72	0.0	0.09	-1.57	19.08	-0.04	4.80	17.24
		17.02	4.80	-3.17e-04	0.0	20.0	0.09	-2.29	19.08	-0.04	7.58	17.02
413	81	-4.22	-2.90	-3.89e-06	-0.72	0.0	-0.06	1.87	-23.07	0.02	-2.90	-4.36
		-4.36	-6.47	3.20e-04	0.0	20.0	-0.06	1.15	-23.07	0.02	-6.47	-4.22
413	87	7.83	-0.45	-6.74e-06	-0.72	0.0	-1.21	-0.27	0.32	9.99e-03	-1.23	7.83
		7.66	-1.23	1.37e-04	0.0	20.0	-1.21	-0.99	0.32	9.99e-03	-0.45	7.66
413	90	5.14	3.14	-4.82e-06	-0.72	0.0	1.24	0.57	-4.31	-0.02	3.14	5.06
		5.06	1.55	-1.34e-04	0.0	20.0	1.24	-0.15	-4.31	-0.02	1.55	5.14
413	112	16.03	6.81	-1.00e-05	-0.72	0.0	0.09	-1.38	16.72	-0.03	4.38	16.03
		15.83	4.38	-2.83e-04	0.0	20.0	0.09	-2.10	16.72	-0.03	6.81	15.83
413	113	-3.03	-2.48	-4.02e-06	-0.72	0.0	-0.06	1.67	-20.71	0.02	-2.48	-3.15
		-3.15	-5.70	2.86e-04	0.0	20.0	-0.06	0.95	-20.71	0.02	-5.70	-3.03
413	119	9.31	-0.79	-7.75e-06	-0.72	0.0	-2.59	-0.64	2.98	0.02	-2.72	9.31
		9.06	-2.72	2.06e-04	0.0	20.0	-2.59	-1.36	2.98	0.02	-0.79	9.06
413	122	3.73	4.62	-3.83e-06	-0.72	0.0	2.62	0.93	-6.97	-0.03	4.62	3.57
		3.57	1.89	-2.03e-04	0.0	20.0	2.62	0.21	-6.97	-0.03	1.89	3.73
413	144	22.96	10.36	-1.32e-05	-0.72	0.0	-0.03	-2.58	29.99	-0.05	6.29	22.96
		22.57	6.29	-3.82e-04	0.0	20.0	-0.03	-3.31	29.99	-0.05	10.36	22.57
413	145	-9.78	-4.39	-3.14e-06	-0.72	0.0	0.07	2.88	-33.98	0.04	-4.39	-10.07
		-10.07	-9.26	3.85e-04	0.0	20.0	0.07	2.16	-33.98	0.04	-9.26	-9.78
414	2	16.27	3.55	8.61e-04	-6.35	0.0	0.07	-8.68	-3.07	-0.02	3.55	16.27
		2.04	-0.13	-1.43e-04	0.0	120.0	0.07	-15.03	-3.07	-0.02	-0.13	2.04
414	3	6.55	2.44	3.39e-04	-3.61	0.0	0.04	-3.01	-1.93	-7.45e-03	2.44	6.55
		0.77	0.12	-3.58e-04	0.0	120.0	0.04	-6.62	-1.93	-7.45e-03	0.12	0.77
414	6	15.54	4.66	8.19e-04	-6.35	0.0	0.08	-8.21	-3.84	-0.02	4.66	15.54
		1.88	0.06	-4.65e-04	0.0	120.0	0.08	-14.56	-3.84	-0.02	0.06	1.88
414	9	6.38	1.76	3.32e-04	-4.33	0.0	0.03	-2.49	-1.41	-6.17e-03	1.76	6.38
		0.79	0.06	-2.28e-04	0.0	120.0	0.03	-6.82	-1.41	-6.17e-03	0.06	0.79
414	10	11.15	2.41	5.88e-04	-4.33	0.0	0.05	-5.96	-2.08	-0.01	2.41	11.15
		1.40	-0.10	-9.06e-05	0.0	120.0	0.05	-10.29	-2.08	-0.01	-0.10	1.40
414	12	10.66	3.14	5.61e-04	-4.33	0.0	0.05	-5.64	-2.59	-0.01	3.14	10.66
		1.29	0.03	-3.02e-04	0.0	120.0	0.05	-9.97	-2.59	-0.01	0.03	1.29
414	13	4.97	0.36	2.58e-04	-4.33	0.0	0.01	-1.41	-0.35	-3.38e-03	0.36	4.97
		0.68	-0.06	4.10e-05	0.0	120.0	0.01	-5.74	-0.35	-3.38e-03	-0.06	0.68
414	14	7.35	0.68	3.86e-04	-4.33	0.0	0.02	-3.14	-0.68	-7.38e-03	0.68	7.35
		0.98	-0.14	1.16e-04	0.0	120.0	0.02	-7.47	-0.68	-7.38e-03	-0.14	0.98
414	16	6.87	1.02	3.59e-04	-4.33	0.0	0.02	-2.81	-0.90	-6.71e-03	1.02	6.87
		0.90	-0.07	-2.26e-05	0.0	120.0	0.02	-7.14	-0.90	-6.71e-03	-0.07	0.90
414	17	4.97	0.36	2.58e-04	-4.33	0.0	0.01	-1.41	-0.35	-3.38e-03	0.36	4.97
		0.68	-0.06	4.10e-05	0.0	120.0	0.01	-5.74	-0.35	-3.38e-03	-0.06	0.68
414	18	6.40	0.55	3.34e-04	-4.33	0.0	0.02	-2.45	-0.55	-5.78e-03	0.55	6.40
		0.86	-0.11	8.61e-05	0.0	120.0	0.02	-6.78	-0.55	-5.78e-03	-0.11	0.86
414	20	14.45	2.98	9.06e-04	-4.33	0.0	-2.29	-8.49	-2.28	0.01	2.98	14.45
		0.49	0.68	8.28e-04	0.0	120.0	-2.29	-12.82	-2.28	0.01	0.68	0.49
414	21	1.23	-0.89	-2.37e-04	-4.33	0.0	2.32	3.59	1.18	-0.02	-1.87	-1.66
		-1.66	-1.87	-6.56e-04	0.0	120.0	2.32	-0.74	1.18	-0.02	-0.89	1.23
414	48	20.14	9.22	1.09e-03	-4.33	0.0	-0.10	-12.88	-6.53	-0.04	9.22	20.14
		1.73	1.04	-2.17e-04	0.0	120.0	-0.10	-17.21	-6.53	-0.04	1.04	1.73
414	49	-4.24e-03	-1.25	-4.17e-04	-4.33	0.0	0.13	7.98	5.43	0.03	-8.11	-7.34
		-7.34	-8.11	2.81e-04	0.0	120.0	0.13	3.65	5.43	0.03	-1.25	-4.24e-03
414	52	12.43	2.41	7.60e-04	-4.33	0.0	-1.57	-6.97	-1.90	7.90e-03	2.41	12.43
		0.60	0.48	6.35e-04	0.0	120.0	-1.57	-11.30	-1.90	7.90e-03	0.48	0.60
414	53	1.45	-0.69	-9.11e-05	-4.33	0.0	1.61	2.08	0.80	-0.02	-1.31	0.37
		0.37	-1.31	-4.63e-04	0.0	120.0	1.61	-2.25	0.80	-0.02	-0.69	1.13
414	80	17.02	7.58	9.14e-04	-4.33	0.0	0.04	-10.52	-5.47	-0.04	7.58	17.02
		1.53	0.76	-2.20e-04	0.0	120.0	0.04	-14.85	-5.47	-0.04	0.76	1.53
414	81	0.19	-0.97	-2.45e-04	-4.33	0.0	-2.13e-03	5.63	4.37	0.02	-6.47	-4.22
		-4.22	-6.47	3.00e-04	0.0	120.0	-2.13e-03	1.30	4.37	0.02	-0.97	0.19
414	84	11.75	2.21	7.12e-04	-4.33	0.0	-1.39	-6.46	-1.75	6.40e-03	2.21	11.75
		0.63	0.41	5.72e-04	0.0	120.0	-1.39	-10.79	-1.75	6.40e-03	0.41	0.63
414	85	1.72	-0.63	-5.00e-05	-4.33	0.0	1.43	1.57	0.65	-0.02	-1.10	1.05
		1.05	-1.10	-4.00e-04	0.0	120.0	1.43	-2.77	0.65	-0.02	-0.63	1.10
414	112	15.83	6.81	8.49e-04	-4.33	0.0	0.05	-9.62	-4.93	-0.03	6.81	15.83
		1.46	0.66	-1.94e-04	0.0	120.0	0.05	-13.95	-4.93	-0.03	0.66	1.46
414	113	0.27	-0.88	-1.80e-04	-4.33	0.0	-0.01	4.72	3.83	0.02	-5.70	-3.03
		-3.03	-5.70	2.75e-04	0.0	120.0	-0.01	0.39	3.83	0.02	-0.88	0.27
414	116	16.09	3.41	1.02e-03	-4.33	0.0	-2.85	-9.72	-2.59	0.02	3.41	16.09
		0.41	0.84	9.95e-04	0.0	120.0	-2.85	-14.05	-2.59	0.02	0.84	0.41

414	117	1.31	-1.05	-3.54e-04	-4.33	0.0	2.89	4.82	1.49	-0.03	-2.30	-3.29
		-3.29	-2.30	-8.22e-04	0.0	120.0	2.89	0.49	1.49	-0.03	-1.05	1.31
414	144	22.58	10.36	1.22e-03	-4.33	0.0	-0.17	-14.72	-7.26	-0.05	10.36	22.58
		1.89	1.26	-1.95e-04	0.0	120.0	-0.17	-19.05	-7.26	-0.05	1.26	1.89
414	145	-0.16	-1.47	-5.53e-04	-4.33	0.0	0.21	9.82	6.16	0.04	-9.26	-9.78
		-9.78	-9.26	2.46e-04	0.0	120.0	0.21	5.49	6.16	0.04	-1.47	-0.16
415	2	2.04	0.0	1.10e-04	-0.53	0.0	0.08	-20.17	1.33	-0.02	-0.13	2.04
		0.0	-0.13	4.82e-06	0.0	10.0	0.08	-20.70	1.33	-0.02	0.0	0.0
415	3	0.77	0.12	4.38e-05	-0.30	0.0	0.04	-7.56	-1.23	-7.45e-03	0.12	0.77
		0.0	0.0	-1.70e-05	0.0	10.0	0.04	-7.86	-1.23	-7.45e-03	0.0	0.0
415	5	1.24	0.23	7.11e-05	-0.53	0.0	0.06	-12.13	-2.25	-0.01	0.23	1.24
		0.0	0.0	-3.06e-05	0.0	10.0	0.06	-12.66	-2.25	-0.01	0.0	0.0
415	6	1.88	0.06	1.04e-04	-0.53	0.0	0.08	-18.54	-0.59	-0.02	0.06	1.88
		0.0	0.0	-1.60e-05	0.0	10.0	0.08	-19.07	-0.59	-0.02	0.0	0.0
415	7	0.88	0.24	5.27e-05	-0.30	0.0	0.05	-8.68	-2.44	-0.01	0.24	0.88
		0.0	0.0	-3.15e-05	0.0	10.0	0.05	-8.98	-2.44	-0.01	0.0	0.0
415	9	0.79	0.06	4.33e-05	-0.36	0.0	0.03	-7.73	-0.62	-6.17e-03	0.06	0.79
		0.0	0.0	-9.98e-06	0.0	10.0	0.03	-8.09	-0.62	-6.17e-03	0.0	0.0
415	10	1.40	0.0	7.49e-05	-0.36	0.0	0.05	-13.84	0.96	-0.01	-0.10	1.40
		0.0	-0.10	3.98e-06	0.0	10.0	0.05	-14.20	0.96	-0.01	0.0	0.0
415	11	0.87	0.14	4.93e-05	-0.36	0.0	0.04	-8.48	-1.43	-8.03e-03	0.14	0.87
		0.0	0.0	-1.96e-05	0.0	10.0	0.04	-8.84	-1.43	-8.03e-03	0.0	0.0
415	12	1.29	0.03	7.14e-05	-0.36	0.0	0.06	-12.75	-0.32	-0.01	0.03	1.29
		0.0	0.0	-9.87e-06	0.0	10.0	0.06	-13.11	-0.32	-0.01	0.0	0.0
415	13	0.68	0.0	3.44e-05	-0.36	0.0	0.01	-6.61	0.59	-3.38e-03	-0.06	0.68
		0.0	-0.06	4.52e-06	0.0	10.0	0.01	-6.97	0.59	-3.38e-03	0.0	0.0
415	14	0.98	0.0	5.02e-05	-0.36	0.0	0.02	-9.66	1.38	-7.38e-03	-0.14	0.98
		0.0	-0.14	1.15e-05	0.0	10.0	0.02	-10.02	1.38	-7.38e-03	0.0	0.0
415	15	0.72	0.0	3.74e-05	-0.36	0.0	0.02	-6.98	0.19	-4.31e-03	-0.02	0.72
		0.0	-0.02	0.0	0.0	10.0	0.02	-7.34	0.19	-4.31e-03	0.0	0.0
415	16	0.90	0.0	4.68e-05	-0.36	0.0	0.03	-8.81	0.66	-6.71e-03	-0.07	0.90
		0.0	-0.07	3.87e-06	0.0	10.0	0.03	-9.18	0.66	-6.71e-03	0.0	0.0
415	17	0.68	0.0	3.44e-05	-0.36	0.0	0.01	-6.61	0.59	-3.38e-03	-0.06	0.68
		0.0	-0.06	4.52e-06	0.0	10.0	0.01	-6.97	0.59	-3.38e-03	0.0	0.0
415	18	0.86	0.0	4.39e-05	-0.36	0.0	0.02	-8.44	1.06	-5.78e-03	-0.11	0.86
		0.0	-0.11	8.71e-06	0.0	10.0	0.02	-8.80	1.06	-5.78e-03	0.0	0.0
415	20	1.68	0.68	2.67e-05	-0.36	0.0	-2.69	-16.66	-6.80	0.01	0.68	1.68
		0.0	0.0	9.43e-05	0.0	10.0	-2.69	-17.02	-6.80	0.01	0.0	0.0
415	21	0.04	0.0	6.11e-05	-0.36	0.0	2.73	-0.23	8.93	-0.02	-0.89	0.04
		0.0	-0.89	-7.69e-05	0.0	10.0	2.73	-0.59	8.93	-0.02	0.0	0.0
415	48	2.12	1.04	1.04e-04	-0.36	0.0	-0.09	-20.99	-10.37	-0.04	1.04	2.12
		0.0	0.0	1.07e-04	0.0	10.0	-0.09	-21.35	-10.37	-0.04	0.0	0.0
415	49	0.0	0.0	-1.65e-05	-0.36	0.0	0.13	4.11	12.50	0.03	-1.25	-0.39
		-0.39	-1.25	-8.96e-05	0.0	10.0	0.13	3.75	12.50	0.03	0.0	0.0
415	52	1.48	0.48	3.15e-05	-0.36	0.0	-1.90	-14.58	-4.81	7.90e-03	0.48	1.48
		0.0	0.0	7.31e-05	0.0	10.0	-1.90	-14.94	-4.81	7.90e-03	0.0	0.0
415	53	0.25	0.0	5.63e-05	-0.36	0.0	1.94	-2.30	6.94	-0.02	-0.69	0.25
		0.0	-0.69	-5.56e-05	0.0	10.0	1.94	-2.66	6.94	-0.02	0.0	0.0
415	80	1.82	0.76	9.14e-05	-0.36	0.0	0.06	-18.02	-7.62	-0.04	0.76	1.82
		0.0	0.0	8.32e-05	0.0	10.0	0.06	-18.38	-7.62	-0.04	0.0	0.0
415	81	0.0	0.0	-3.65e-06	-0.36	0.0	-0.02	1.13	9.75	0.02	-0.97	-0.10
		-0.10	-0.97	-6.58e-05	0.0	10.0	-0.02	0.77	9.75	0.02	0.0	0.0
415	83	1.09	0.12	1.43e-05	-0.36	0.0	-1.39	-10.76	-1.18	-3.78e-03	0.12	1.09
		0.0	0.0	3.19e-05	0.0	10.0	-1.39	-11.12	-1.18	-3.78e-03	0.0	0.0
415	84	1.41	0.41	3.30e-05	-0.36	0.0	-1.69	-13.89	-4.14	6.40e-03	0.41	1.41
		0.0	0.0	6.58e-05	0.0	10.0	-1.69	-14.25	-4.14	6.40e-03	0.0	0.0
415	85	0.32	0.0	5.48e-05	-0.36	0.0	1.73	-3.00	6.27	-0.02	-0.63	0.32
		0.0	-0.63	-4.84e-05	0.0	10.0	1.73	-3.36	6.27	-0.02	0.0	0.0
415	112	1.71	0.66	8.61e-05	-0.36	0.0	0.07	-16.94	-6.64	-0.03	0.66	1.71
		0.0	0.0	7.49e-05	0.0	10.0	0.07	-17.30	-6.64	-0.03	0.0	0.0
415	113	0.01	0.0	1.63e-06	-0.36	0.0	-0.03	0.06	8.77	0.02	-0.88	0.01
		0.0	-0.88	-5.75e-05	0.0	10.0	-0.03	-0.31	8.77	0.02	0.0	0.0
415	116	1.85	0.84	2.29e-05	-0.36	0.0	-3.33	-18.35	-8.42	0.02	0.84	1.85
		0.0	0.0	1.12e-04	0.0	10.0	-3.33	-18.71	-8.42	0.02	0.0	0.0
415	117	0.0	0.0	6.48e-05	-0.36	0.0	3.37	1.46	10.55	-0.03	-1.05	-0.13
		-0.13	-1.05	-9.47e-05	0.0	10.0	3.37	1.10	10.55	-0.03	0.0	0.0
415	144	2.36	1.26	1.14e-04	-0.36	0.0	-0.18	-23.38	-12.60	-0.05	1.26	2.36
		0.0	0.0	1.27e-04	0.0	10.0	-0.18	-23.75	-12.60	-0.05	0.0	0.0
415	145	0.0	0.0	-2.67e-05	-0.36	0.0	0.22	6.50	14.73	0.04	-1.47	-0.63
		-0.63	-1.47	-1.10e-04	0.0	10.0	0.22	6.14	14.73	0.04	0.0	0.0
416	1	0.99	0.0	4.39e-05	-0.53	0.0	-0.05	-9.60	4.20	3.30e-03	-0.42	0.99
		0.0	-0.42	-1.10e-04	0.0	10.0	-0.05	-10.13	4.20	3.30e-03	0.0	0.0
416	2	1.84	0.0	7.50e-05	-0.53	0.0	-0.07	-18.15	20.04	-5.23e-05	-2.00	1.84
		0.0	-2.00	-3.19e-04	0.0	10.0	-0.07	-18.68	20.04	-5.23e-05	0.0	0.0
416	3	0.62	0.0	2.64e-05	-0.30	0.0	-0.04	-6.04	2.97	3.40e-03	-0.30	0.62

		0.0	-0.30	-9.07e-05	0.0	10.0	-0.04	-6.35	2.97	3.40e-03	0.0	0.0
416	4	1.47	0.0	5.75e-05	-0.30	0.0	-0.07	-14.60	18.81	4.83e-05	-1.88	1.47
		0.0	-1.88	-3.00e-04	0.0	10.0	-0.07	-14.90	18.81	4.83e-05	0.0	0.0
416	6	1.59	0.0	6.60e-05	-0.53	0.0	-0.08	-15.67	14.63	3.72e-03	-1.46	1.59
		0.0	-1.46	-2.80e-04	0.0	10.0	-0.08	-16.20	14.63	3.72e-03	0.0	0.0
416	9	0.70	0.0	3.04e-05	-0.36	0.0	-0.04	-6.78	3.31	2.07e-03	-0.33	0.70
		0.0	-0.33	-8.04e-05	0.0	10.0	-0.04	-7.14	3.31	2.07e-03	0.0	0.0
416	10	1.27	0.0	5.12e-05	-0.36	0.0	-0.05	-12.48	13.88	-1.64e-04	-1.39	1.27
		0.0	-1.39	-2.20e-04	0.0	10.0	-0.05	-12.84	13.88	-1.64e-04	0.0	0.0
416	12	1.10	0.0	4.52e-05	-0.36	0.0	-0.06	-10.82	10.27	2.35e-03	-1.03	1.10
		0.0	-1.03	-1.93e-04	0.0	10.0	-0.06	-11.19	10.27	2.35e-03	0.0	0.0
416	13	0.69	0.0	3.02e-05	-0.36	0.0	-0.02	-6.69	3.97	-6.97e-04	-0.40	0.69
		0.0	-0.40	-5.72e-05	0.0	10.0	-0.02	-7.05	3.97	-6.97e-04	0.0	0.0
416	14	0.97	0.0	4.06e-05	-0.36	0.0	-0.03	-9.54	9.25	-1.81e-03	-0.92	0.97
		0.0	-0.92	-1.27e-04	0.0	10.0	-0.03	-9.90	9.25	-1.81e-03	0.0	0.0
416	16	0.86	0.0	3.65e-05	-0.36	0.0	-0.03	-8.43	6.92	-4.45e-04	-0.69	0.86
		0.0	-0.69	-1.07e-04	0.0	10.0	-0.03	-8.79	6.92	-4.45e-04	0.0	0.0
416	17	0.69	0.0	3.02e-05	-0.36	0.0	-0.02	-6.69	3.97	-6.97e-04	-0.40	0.69
		0.0	-0.40	-5.72e-05	0.0	10.0	-0.02	-7.05	3.97	-6.97e-04	0.0	0.0
416	18	0.86	0.0	3.64e-05	-0.36	0.0	-0.03	-8.40	7.13	-1.37e-03	-0.71	0.86
		0.0	-0.71	-9.89e-05	0.0	10.0	-0.03	-8.76	7.13	-1.37e-03	0.0	0.0
416	24	1.04	0.27	3.73e-05	-0.36	0.0	-5.78	-10.23	-2.68	0.02	0.27	1.04
		0.0	0.0	1.53e-04	0.0	10.0	-5.78	-10.59	-2.68	0.02	0.0	0.0
416	25	0.67	0.0	3.56e-05	-0.36	0.0	5.72	-6.57	16.95	-0.02	-1.69	0.67
		0.0	-1.69	-3.51e-04	0.0	10.0	5.72	-6.93	16.95	-0.02	0.0	0.0
416	28	1.03	0.25	3.57e-05	-0.36	0.0	-2.28	-10.16	-2.47	6.77e-03	0.25	1.03
		0.0	0.0	1.46e-04	0.0	10.0	-2.28	-10.52	-2.47	6.77e-03	0.0	0.0
416	48	1.10	0.52	4.13e-05	-0.36	0.0	-4.10	-10.77	-5.22	0.03	0.52	1.10
		0.0	0.0	2.00e-04	0.0	10.0	-4.10	-11.14	-5.22	0.03	0.0	0.0
416	49	0.62	0.0	3.15e-05	-0.36	0.0	4.04	-6.02	19.49	-0.03	-1.95	0.62
		0.0	-1.95	-3.98e-04	0.0	10.0	4.04	-6.38	19.49	-0.03	0.0	0.0
416	56	0.99	0.02	3.71e-05	-0.36	0.0	-4.33	-9.77	-0.22	0.01	0.02	0.99
		0.0	0.0	9.18e-05	0.0	10.0	-4.33	-10.13	-0.22	0.01	0.0	0.0
416	57	0.72	0.0	3.57e-05	-0.36	0.0	4.27	-7.03	14.49	-0.01	-1.45	0.72
		0.0	-1.45	-2.90e-04	0.0	10.0	4.27	-7.39	14.49	-0.01	0.0	0.0
416	60	0.99	1.62e-03	3.60e-05	-0.36	0.0	-1.74	-9.70	-0.02	4.33e-03	1.62e-03	0.99
		0.0	0.0	8.58e-05	0.0	10.0	-1.74	-10.06	-0.02	4.33e-03	0.0	0.0
416	80	1.04	0.21	4.03e-05	-0.36	0.0	-3.13	-10.19	-2.15	0.02	0.21	1.04
		0.0	0.0	1.27e-04	0.0	10.0	-3.13	-10.55	-2.15	0.02	0.0	0.0
416	81	0.68	0.0	3.25e-05	-0.36	0.0	3.07	-6.61	16.42	-0.02	-1.64	0.68
		0.0	-1.64	-3.25e-04	0.0	10.0	3.07	-6.97	16.42	-0.02	0.0	0.0
416	88	0.98	0.0	3.70e-05	-0.36	0.0	-3.84	-9.61	0.61	0.01	-0.06	0.98
		0.0	-0.06	7.04e-05	0.0	10.0	-3.84	-9.97	0.61	0.01	0.0	0.0
416	89	0.74	0.0	3.58e-05	-0.36	0.0	3.79	-7.18	13.66	-0.01	-1.37	0.74
		0.0	-1.37	-2.68e-04	0.0	10.0	3.79	-7.54	13.66	-0.01	0.0	0.0
416	92	0.97	0.0	3.60e-05	-0.36	0.0	-1.55	-9.55	0.80	3.64e-03	-0.08	0.97
		0.0	-0.08	6.51e-05	0.0	10.0	-1.55	-9.92	0.80	3.64e-03	0.0	0.0
416	112	1.02	0.11	3.99e-05	-0.36	0.0	-2.79	-9.98	-1.10	0.02	0.11	1.02
		0.0	0.0	1.02e-04	0.0	10.0	-2.79	-10.35	-1.10	0.02	0.0	0.0
416	113	0.70	0.0	3.30e-05	-0.36	0.0	2.73	-6.81	15.37	-0.02	-1.54	0.70
		0.0	-1.54	-3.00e-04	0.0	10.0	2.73	-7.17	15.37	-0.02	0.0	0.0
416	120	1.08	0.47	3.74e-05	-0.36	0.0	-6.90	-10.61	-4.72	0.02	0.47	1.08
		0.0	0.0	2.06e-04	0.0	10.0	-6.90	-10.97	-4.72	0.02	0.0	0.0
416	121	0.64	0.0	3.55e-05	-0.36	0.0	6.85	-6.19	18.98	-0.02	-1.90	0.64
		0.0	-1.90	-4.04e-04	0.0	10.0	6.85	-6.55	18.98	-0.02	0.0	0.0
416	124	1.07	0.45	3.55e-05	-0.36	0.0	-2.66	-10.52	-4.48	8.60e-03	0.45	1.07
		0.0	0.0	1.97e-04	0.0	10.0	-2.66	-10.88	-4.48	8.60e-03	0.0	0.0
416	144	1.14	0.78	4.22e-05	-0.36	0.0	-4.86	-11.26	-7.79	0.03	0.78	1.14
		0.0	0.0	2.62e-04	0.0	10.0	-4.86	-11.62	-7.79	0.03	0.0	0.0
416	145	0.57	0.0	3.07e-05	-0.36	0.0	4.80	-5.54	22.05	-0.03	-2.21	0.57
		0.0	-2.21	-4.60e-04	0.0	10.0	4.80	-5.90	22.05	-0.03	0.0	0.0
417	2	11.60	-2.00	5.49e-04	-6.35	0.0	-0.07	-4.95	3.10	-5.23e-05	-5.73	11.60
		1.85	-5.73	-3.26e-03	0.0	120.0	-0.07	-11.30	3.10	-5.23e-05	-2.00	1.85
417	3	4.14	-0.30	1.85e-04	-3.61	0.0	-0.04	-1.12	0.38	3.40e-03	-0.75	4.14
		0.62	-0.75	-1.01e-03	0.0	120.0	-0.04	-4.74	0.38	3.40e-03	-0.30	0.62
417	6	10.16	-1.46	4.80e-04	-6.35	0.0	-0.08	-3.96	2.18	3.72e-03	-4.07	10.16
		1.60	-4.07	-2.94e-03	0.0	120.0	-0.08	-10.31	2.18	3.72e-03	-1.46	1.60
417	7	4.17	-0.23	1.87e-04	-3.61	0.0	-0.05	-1.15	0.20	6.17e-03	-0.47	4.17
		0.63	-0.47	-1.31e-03	0.0	120.0	-0.05	-4.76	0.20	6.17e-03	-0.23	0.63
417	9	4.70	-0.33	2.15e-04	-4.33	0.0	-0.04	-1.17	0.48	2.07e-03	-0.91	4.70
		0.70	-0.91	-8.72e-04	0.0	120.0	-0.04	-5.50	0.48	2.07e-03	-0.33	0.70
417	10	7.97	-1.39	3.74e-04	-4.33	0.0	-0.05	-3.41	2.15	-1.64e-04	-3.97	7.97
		1.27	-3.97	-2.24e-03	0.0	120.0	-0.05	-7.75	2.15	-1.64e-04	-1.39	1.27
417	11	4.72	-0.29	2.16e-04	-4.33	0.0	-0.04	-1.19	0.36	3.92e-03	-0.72	4.72
		0.70	-0.72	-1.07e-03	0.0	120.0	-0.04	-5.52	0.36	3.92e-03	-0.29	0.70

417	12	7.01	-1.03	3.27e-04	-4.33	0.0	-0.05	-2.76	1.53	2.35e-03	-2.86	7.01
		1.10	-2.86	-2.03e-03	0.0	120.0	-0.05	-7.09	1.53	2.35e-03	-1.03	1.10
417	13	4.66	-0.40	2.13e-04	-4.33	0.0	-0.02	-1.15	0.66	-6.97e-04	-1.19	4.66
		0.69	-1.19	-5.69e-04	0.0	120.0	-0.02	-5.48	0.66	-6.97e-04	-0.40	0.69
417	14	6.30	-0.92	2.92e-04	-4.33	0.0	-0.03	-2.27	1.49	-1.81e-03	-2.72	6.30
		0.97	-2.72	-1.25e-03	0.0	120.0	-0.03	-6.60	1.49	-1.81e-03	-0.92	0.97
417	15	4.68	-0.37	2.13e-04	-4.33	0.0	-0.03	-1.16	0.60	2.26e-04	-1.10	4.68
		0.69	-1.10	-6.70e-04	0.0	120.0	-0.03	-5.49	0.60	2.26e-04	-0.37	0.69
417	16	5.66	-0.69	2.61e-04	-4.33	0.0	-0.03	-1.83	1.10	-4.45e-04	-2.01	5.66
		0.86	-2.01	-1.08e-03	0.0	120.0	-0.03	-6.16	1.10	-4.45e-04	-0.69	0.86
417	17	4.66	-0.40	2.13e-04	-4.33	0.0	-0.02	-1.15	0.66	-6.97e-04	-1.19	4.66
		0.69	-1.19	-5.69e-04	0.0	120.0	-0.02	-5.48	0.66	-6.97e-04	-0.40	0.69
417	18	5.64	-0.71	2.60e-04	-4.33	0.0	-0.03	-1.82	1.16	-1.37e-03	-2.11	5.64
		0.86	-2.11	-9.79e-04	0.0	120.0	-0.03	-6.15	1.16	-1.37e-03	-0.71	0.86
417	24	6.66	3.09	2.71e-04	-4.33	0.0	-4.25	-2.54	-2.36	0.02	3.09	6.66
		0.73	0.27	1.10e-03	0.0	120.0	-4.25	-6.88	-2.36	0.02	0.27	0.73
417	25	4.63	-1.69	2.49e-04	-4.33	0.0	4.19	-1.10	4.68	-0.02	-7.30	4.63
		0.99	-7.30	-3.06e-03	0.0	120.0	4.19	-5.43	4.68	-0.02	-1.69	0.99
417	43	4.58	-1.54	2.19e-04	-4.33	0.0	1.24	-1.07	4.30	-0.02	-6.68	4.58
		0.60	-6.68	-1.36e-03	0.0	120.0	1.24	-5.40	4.30	-0.02	-1.54	0.60
417	48	7.11	4.66	2.99e-04	-4.33	0.0	-3.04	-2.86	-3.47	0.03	4.66	7.11
		1.01	0.52	4.17e-04	0.0	120.0	-3.04	-7.19	-3.47	0.03	0.52	1.01
417	49	4.18	-1.95	2.22e-04	-4.33	0.0	2.98	-0.78	5.79	-0.03	-8.88	4.18
		0.71	-8.88	-2.38e-03	0.0	120.0	2.98	-5.11	5.79	-0.03	-1.95	0.71
417	56	6.41	1.78	2.69e-04	-4.33	0.0	-3.19	-2.36	-1.47	0.01	1.78	6.41
		0.78	0.02	5.35e-04	0.0	120.0	-3.19	-6.69	-1.47	0.01	0.02	0.78
417	57	4.88	-1.45	2.52e-04	-4.33	0.0	3.13	-1.28	3.79	-0.01	-5.99	4.88
		0.94	-5.99	-2.49e-03	0.0	120.0	3.13	-5.61	3.79	-0.01	-1.45	0.94
417	75	4.82	-1.34	2.27e-04	-4.33	0.0	0.95	-1.24	3.54	-0.02	-5.57	4.82
		0.67	-5.57	-1.08e-03	0.0	120.0	0.95	-5.57	3.54	-0.02	-1.34	0.67
417	80	6.77	2.98	2.91e-04	-4.33	0.0	-2.32	-2.62	-2.32	0.02	2.98	6.77
		0.98	0.21	-1.29e-04	0.0	120.0	-2.32	-6.95	-2.32	0.02	0.21	0.98
417	81	4.52	-1.64	2.30e-04	-4.33	0.0	2.26	-1.02	4.65	-0.02	-7.19	4.52
		0.74	-7.19	-1.85e-03	0.0	120.0	2.26	-5.35	4.65	-0.02	-1.64	0.74
417	88	6.32	1.34	2.68e-04	-4.33	0.0	-2.83	-2.30	-1.17	0.01	1.34	6.32
		0.79	-0.06	3.64e-04	0.0	120.0	-2.83	-6.63	-1.17	0.01	-0.06	0.79
417	89	4.97	-1.37	2.53e-04	-4.33	0.0	2.77	-1.34	3.50	-0.01	-5.55	4.97
		0.93	-5.55	-2.32e-03	0.0	120.0	2.77	-5.67	3.50	-0.01	-1.37	0.93
417	107	4.91	-1.27	2.31e-04	-4.33	0.0	0.84	-1.30	3.27	-0.02	-5.18	4.91
		0.69	-5.18	-1.06e-03	0.0	120.0	0.84	-5.63	3.27	-0.02	-1.27	0.69
417	112	6.64	2.41	2.88e-04	-4.33	0.0	-2.07	-2.53	-1.93	0.02	2.41	6.64
		0.96	0.11	-2.14e-04	0.0	120.0	-2.07	-6.86	-1.93	0.02	0.11	0.96
417	113	4.65	-1.54	2.33e-04	-4.33	0.0	2.01	-1.11	4.25	-0.02	-6.62	4.65
		0.76	-6.62	-1.74e-03	0.0	120.0	2.01	-5.44	4.25	-0.02	-1.54	0.76
417	120	6.86	4.16	2.73e-04	-4.33	0.0	-5.08	-2.69	-3.09	0.02	4.16	6.86
		0.70	0.47	1.60e-03	0.0	120.0	-5.08	-7.02	-3.09	0.02	0.47	0.70
417	121	4.43	-1.90	2.48e-04	-4.33	0.0	5.02	-0.95	5.41	-0.02	-8.37	4.43
		1.02	-8.37	-3.56e-03	0.0	120.0	5.02	-5.29	5.41	-0.02	-1.90	1.02
417	139	4.40	-1.71	2.12e-04	-4.33	0.0	1.47	-0.94	4.92	-0.03	-7.60	4.40
		0.55	-7.60	-1.67e-03	0.0	120.0	1.47	-5.27	4.92	-0.03	-1.71	0.55
417	144	7.38	6.04	3.05e-04	-4.33	0.0	-3.61	-3.05	-4.41	0.03	6.04	7.38
		1.03	0.78	9.49e-04	0.0	120.0	-3.61	-7.38	-4.41	0.03	0.78	1.03
417	145	3.91	-2.21	2.16e-04	-4.33	0.0	3.55	-0.59	6.73	-0.03	-10.25	3.91
		0.69	-10.25	-2.91e-03	0.0	120.0	3.55	-4.92	6.73	-0.03	-2.21	0.69
418	2	11.60	0.0	-8.10e-04	-7.94	0.0	-0.07	11.70	-3.82	-5.23e-05	0.0	0.0
		0.0	-5.73	-2.09e-03	0.0	150.0	-0.07	3.76	-3.82	-5.23e-05	-5.73	11.60
418	3	4.14	0.0	-3.32e-04	-4.51	0.0	-0.04	5.02	-0.50	3.40e-03	0.0	0.0
		0.0	-0.75	-9.98e-04	0.0	150.0	-0.04	0.50	-0.50	3.40e-03	-0.75	4.14
418	5	6.73	0.0	-5.35e-04	-7.94	0.0	-0.06	8.46	-0.58	6.07e-03	0.0	0.0
		0.0	-0.86	-1.59e-03	0.0	150.0	-0.06	0.52	-0.58	6.07e-03	-0.86	6.73
418	6	10.17	0.0	-7.29e-04	-7.94	0.0	-0.07	10.75	-2.72	3.72e-03	0.0	0.0
		0.0	-4.07	-2.27e-03	0.0	150.0	-0.07	2.81	-2.72	3.72e-03	-4.07	10.17
418	7	4.17	0.0	-3.34e-04	-4.51	0.0	-0.05	5.04	-0.32	6.17e-03	0.0	0.0
		0.0	-0.47	-1.47e-03	0.0	150.0	-0.05	0.53	-0.32	6.17e-03	-0.47	4.17
418	9	4.70	0.0	-3.76e-04	-5.41	0.0	-0.04	5.84	-0.61	2.07e-03	0.0	0.0
		0.0	-0.91	-7.74e-04	0.0	150.0	-0.04	0.43	-0.61	2.07e-03	-0.91	4.70
418	10	7.97	0.0	-5.60e-04	-5.41	0.0	-0.05	8.02	-2.64	-1.64e-04	0.0	0.0
		0.0	-3.97	-1.42e-03	0.0	150.0	-0.05	2.60	-2.64	-1.64e-04	-3.97	7.97
418	11	4.72	0.0	-3.77e-04	-5.41	0.0	-0.04	5.86	-0.48	3.92e-03	0.0	0.0
		0.0	-0.72	-1.09e-03	0.0	150.0	-0.04	0.44	-0.48	3.92e-03	-0.72	4.72
418	12	7.01	0.0	-5.06e-04	-5.41	0.0	-0.05	7.38	-1.91	2.35e-03	0.0	0.0
		0.0	-2.86	-1.54e-03	0.0	150.0	-0.05	1.97	-1.91	2.35e-03	-2.86	7.01
418	13	4.66	0.0	-3.74e-04	-5.41	0.0	-0.02	5.82	-0.79	-6.97e-04	0.0	0.0
		0.0	-1.19	-3.02e-04	0.0	150.0	-0.02	0.40	-0.79	-6.97e-04	-1.19	4.66
418	14	6.30	0.0	-4.66e-04	-5.41	0.0	-0.03	6.91	-1.81	-1.81e-03	0.0	0.0

		0.0	-2.72	-6.27e-04	0.0	150.0	-0.03	1.49	-1.81	-1.81e-03	-2.72	6.30
418	15	4.68	0.0	-3.75e-04	-5.41	0.0	-0.03	5.82	-0.73	2.26e-04	0.0	0.0
		0.0	-1.10	-4.59e-04	0.0	150.0	-0.03	0.41	-0.73	2.26e-04	-1.10	4.68
418	16	5.66	0.0	-4.30e-04	-5.41	0.0	-0.03	6.48	-1.34	-4.45e-04	0.0	0.0
		0.0	-2.01	-6.54e-04	0.0	150.0	-0.03	1.06	-1.34	-4.45e-04	-2.01	5.66
418	17	4.66	0.0	-3.74e-04	-5.41	0.0	-0.02	5.82	-0.79	-6.97e-04	0.0	0.0
		0.0	-1.19	-3.02e-04	0.0	150.0	-0.02	0.40	-0.79	-6.97e-04	-1.19	4.66
418	18	5.64	0.0	-4.29e-04	-5.41	0.0	-0.03	6.47	-1.40	-1.37e-03	0.0	0.0
		0.0	-2.11	-4.97e-04	0.0	150.0	-0.03	1.06	-1.40	-1.37e-03	-2.11	5.64
418	24	5.37	3.09	-3.65e-04	-5.41	0.0	-1.90	6.29	2.06	0.02	0.0	0.0
		0.0	0.0	-9.63e-04	0.0	150.0	-1.90	0.87	2.06	0.02	3.09	5.37
418	25	5.92	0.0	-4.94e-04	-5.41	0.0	1.84	6.65	-4.87	-0.02	0.0	0.0
		0.0	-7.30	2.33e-04	0.0	150.0	1.84	1.24	-4.87	-0.02	-7.30	5.92
418	43	4.19	0.0	-3.14e-04	-5.41	0.0	0.57	5.50	-4.45	-0.02	0.0	0.0
		0.0	-6.68	3.94e-03	0.0	150.0	0.57	0.09	-4.45	-0.02	-6.68	4.19
418	48	6.69	4.66	-4.90e-04	-5.41	0.0	-1.41	7.16	3.11	0.03	0.0	0.0
		0.0	0.0	-4.66e-03	0.0	150.0	-1.41	1.75	3.11	0.03	4.66	6.69
418	49	4.60	0.0	-3.69e-04	-5.41	0.0	1.35	5.78	-5.92	-0.03	0.0	0.0
		0.0	-8.88	3.66e-03	0.0	150.0	1.35	0.36	-5.92	-0.03	-8.88	4.60
418	50	7.11	2.37	-5.46e-04	-5.41	0.0	-0.77	7.45	1.58	0.02	0.0	0.0
		0.0	0.0	-4.74e-03	0.0	150.0	-0.77	2.04	1.58	0.02	2.37	7.11
418	56	5.46	1.78	-3.83e-04	-5.41	0.0	-1.42	6.35	1.19	0.01	0.0	0.0
		0.0	0.0	-9.72e-04	0.0	150.0	-1.42	0.93	1.19	0.01	1.78	5.46
418	57	5.83	0.0	-4.76e-04	-5.41	0.0	1.37	6.59	-3.99	-0.01	0.0	0.0
		0.0	-5.99	1.93e-04	0.0	150.0	1.37	1.18	-3.99	-0.01	-5.99	5.83
418	75	4.53	0.0	-3.42e-04	-5.41	0.0	0.43	5.73	-3.71	-0.02	0.0	0.0
		0.0	-5.57	3.31e-03	0.0	150.0	0.43	0.31	-3.71	-0.02	-5.57	4.53
418	80	6.46	2.98	-4.76e-04	-5.41	0.0	-1.08	7.01	1.99	0.02	0.0	0.0
		0.0	0.0	-4.08e-03	0.0	150.0	-1.08	1.60	1.99	0.02	2.98	6.46
418	81	4.83	0.0	-3.83e-04	-5.41	0.0	1.02	5.93	-4.80	-0.02	0.0	0.0
		0.0	-7.19	3.09e-03	0.0	150.0	1.02	0.51	-4.80	-0.02	-7.19	4.83
418	82	6.77	1.30	-5.17e-04	-5.41	0.0	-0.59	7.22	0.86	0.02	0.0	0.0
		0.0	0.0	-4.15e-03	0.0	150.0	-0.59	1.81	0.86	0.02	1.30	6.77
418	88	5.48	1.34	-3.88e-04	-5.41	0.0	-1.27	6.36	0.89	0.01	0.0	0.0
		0.0	0.0	-9.22e-04	0.0	150.0	-1.27	0.95	0.89	0.01	1.34	5.48
418	89	5.81	0.0	-4.71e-04	-5.41	0.0	1.21	6.58	-3.70	-0.01	0.0	0.0
		0.0	-5.55	1.50e-04	0.0	150.0	1.21	1.17	-3.70	-0.01	-5.55	5.81
418	107	4.66	0.0	-3.52e-04	-5.41	0.0	0.38	5.81	-3.45	-0.02	0.0	0.0
		0.0	-5.18	2.90e-03	0.0	150.0	0.38	0.40	-3.45	-0.02	-5.18	4.66
418	112	6.37	2.41	-4.71e-04	-5.41	0.0	-0.96	6.95	1.61	0.02	0.0	0.0
		0.0	0.0	-3.69e-03	0.0	150.0	-0.96	1.54	1.61	0.02	2.41	6.37
418	113	4.92	0.0	-3.88e-04	-5.41	0.0	0.90	5.99	-4.41	-0.02	0.0	0.0
		0.0	-6.62	2.70e-03	0.0	150.0	0.90	0.57	-4.41	-0.02	-6.62	4.92
418	114	6.65	0.92	-5.07e-04	-5.41	0.0	-0.53	7.14	0.61	0.01	0.0	0.0
		0.0	0.0	-3.76e-03	0.0	150.0	-0.53	1.72	0.61	0.01	0.92	6.65
418	120	5.30	4.16	-3.52e-04	-5.41	0.0	-2.27	6.24	2.77	0.02	0.0	0.0
		0.0	0.0	-8.75e-04	0.0	150.0	-2.27	0.83	2.77	0.02	4.16	5.30
418	121	5.98	0.0	-5.08e-04	-5.41	0.0	2.21	6.70	-5.58	-0.02	0.0	0.0
		0.0	-8.37	2.20e-04	0.0	150.0	2.21	1.28	-5.58	-0.02	-8.37	5.98
418	139	3.93	0.0	-2.91e-04	-5.41	0.0	0.68	5.32	-5.06	-0.03	0.0	0.0
		0.0	-7.60	4.29e-03	0.0	150.0	0.68	-0.09	-5.06	-0.03	-7.60	3.93
418	144	6.87	6.04	-5.00e-04	-5.41	0.0	-1.67	7.28	4.03	0.03	0.0	0.0
		0.0	0.0	-4.94e-03	0.0	150.0	-1.67	1.87	4.03	0.03	6.04	6.87
418	145	4.42	0.0	-3.58e-04	-5.41	0.0	1.62	5.66	-6.83	-0.03	0.0	0.0
		0.0	-10.25	3.94e-03	0.0	150.0	1.62	0.24	-6.83	-0.03	-10.25	4.42
418	146	7.39	3.27	-5.69e-04	-5.41	0.0	-0.92	7.63	2.18	0.02	0.0	0.0
		0.0	0.0	-5.05e-03	0.0	150.0	-0.92	2.22	2.18	0.02	3.27	7.39
419	1	2.28	0.0	-4.50e-04	-3.80	0.0	-0.32	1.90	0.0	-5.23e-04	0.0	0.0
		0.0	0.0	-2.93e-04	0.0	480.0	-0.32	-1.90	0.0	-5.23e-04	0.0	0.0
419	2	2.28	0.0	-5.10e-04	-3.80	0.0	0.25	1.90	0.0	-2.68e-04	0.0	0.0
		0.0	0.0	-3.54e-05	0.0	480.0	0.25	-1.90	0.0	-2.68e-04	0.0	0.0
419	4	1.75	0.0	-4.12e-04	-2.92	0.0	0.20	1.46	0.0	-2.52e-04	0.0	0.0
		0.0	0.0	-3.95e-05	0.0	480.0	0.20	-1.46	0.0	-2.52e-04	0.0	0.0
419	7	1.75	0.0	-3.45e-04	-2.92	0.0	-0.71	1.46	0.0	-7.65e-04	0.0	0.0
		0.0	0.0	-4.82e-04	0.0	480.0	-0.71	-1.46	0.0	-7.65e-04	0.0	0.0
419	9	1.75	0.0	-3.49e-04	-2.92	0.0	-0.20	1.46	0.0	-3.69e-04	0.0	0.0
		0.0	0.0	-2.01e-04	0.0	480.0	-0.20	-1.46	0.0	-3.69e-04	0.0	0.0
419	10	1.75	0.0	-3.89e-04	-2.92	0.0	0.18	1.46	0.0	-1.99e-04	0.0	0.0
		0.0	0.0	-2.88e-05	0.0	480.0	0.18	-1.46	0.0	-1.99e-04	0.0	0.0
419	11	1.75	0.0	-3.46e-04	-2.92	0.0	-0.42	1.46	0.0	-5.41e-04	0.0	0.0
		0.0	0.0	-3.24e-04	0.0	480.0	-0.42	-1.46	0.0	-5.41e-04	0.0	0.0
419	13	1.75	0.0	-3.53e-04	-2.92	0.0	0.14	1.46	0.0	-1.11e-04	0.0	0.0
		0.0	0.0	-1.63e-05	0.0	480.0	0.14	-1.46	0.0	-1.11e-04	0.0	0.0
419	14	1.75	0.0	-3.74e-04	-2.92	0.0	0.33	1.46	0.0	-2.60e-05	0.0	0.0
		0.0	0.0	6.97e-05	0.0	480.0	0.33	-1.46	0.0	-2.60e-05	0.0	0.0

419	15	1.75	0.0	-3.52e-04	-2.92	0.0	0.03	1.46	0.0	-1.97e-04	0.0	0.0
		0.0	0.0	-7.77e-05	0.0	480.0	0.03	-1.46	0.0	-1.97e-04	0.0	0.0
419	17	1.75	0.0	-3.53e-04	-2.92	0.0	0.14	1.46	0.0	-1.11e-04	0.0	0.0
		0.0	0.0	-1.63e-05	0.0	480.0	0.14	-1.46	0.0	-1.11e-04	0.0	0.0
419	18	1.75	0.0	-3.66e-04	-2.92	0.0	0.25	1.46	0.0	-6.00e-05	0.0	0.0
		0.0	0.0	3.53e-05	0.0	480.0	0.25	-1.46	0.0	-6.00e-05	0.0	0.0
419	19	1.75	0.0	-3.58e-04	-2.92	0.0	-4.58	1.46	0.0	-0.02	0.0	0.0
		0.0	0.0	3.30e-03	0.0	480.0	-4.58	-1.46	0.0	-0.02	0.0	0.0
419	20	1.75	0.0	-3.49e-04	-2.92	0.0	-7.37	1.46	0.0	-0.02	0.0	0.0
		0.0	0.0	5.73e-03	0.0	480.0	-7.37	-1.46	0.0	-0.02	0.0	0.0
419	21	1.75	0.0	-3.82e-04	-2.92	0.0	7.87	1.46	0.0	0.02	0.0	0.0
		0.0	0.0	-5.66e-03	0.0	480.0	7.87	-1.46	0.0	0.02	0.0	0.0
419	22	1.75	0.0	-3.73e-04	-2.92	0.0	5.09	1.46	0.0	0.02	0.0	0.0
		0.0	0.0	-3.23e-03	0.0	480.0	5.09	-1.46	0.0	0.02	0.0	0.0
419	26	1.75	0.0	-3.71e-04	-2.92	0.0	5.15	1.46	0.0	0.02	0.0	0.0
		0.0	0.0	-3.60e-03	0.0	480.0	5.15	-1.46	0.0	0.02	0.0	0.0
419	34	1.75	0.0	-3.72e-04	-2.92	0.0	4.07	1.46	0.0	5.06e-03	0.0	0.0
		0.0	0.0	-5.18e-03	0.0	480.0	4.07	-1.46	0.0	5.06e-03	0.0	0.0
419	51	1.75	0.0	-3.60e-04	-2.92	0.0	-3.26	1.46	0.0	-0.02	0.0	0.0
		0.0	0.0	2.34e-03	0.0	480.0	-3.26	-1.46	0.0	-0.02	0.0	0.0
419	52	1.75	0.0	-3.53e-04	-2.92	0.0	-5.31	1.46	0.0	-0.01	0.0	0.0
		0.0	0.0	4.10e-03	0.0	480.0	-5.31	-1.46	0.0	-0.01	0.0	0.0
419	53	1.75	0.0	-3.78e-04	-2.92	0.0	5.82	1.46	0.0	0.01	0.0	0.0
		0.0	0.0	-4.03e-03	0.0	480.0	5.82	-1.46	0.0	0.01	0.0	0.0
419	54	1.75	0.0	-3.71e-04	-2.92	0.0	3.76	1.46	0.0	0.02	0.0	0.0
		0.0	0.0	-2.27e-03	0.0	480.0	3.76	-1.46	0.0	0.02	0.0	0.0
419	58	1.75	0.0	-3.69e-04	-2.92	0.0	3.81	1.46	0.0	0.01	0.0	0.0
		0.0	0.0	-2.57e-03	0.0	480.0	3.81	-1.46	0.0	0.01	0.0	0.0
419	66	1.75	0.0	-3.70e-04	-2.92	0.0	3.05	1.46	0.0	3.71e-03	0.0	0.0
		0.0	0.0	-3.70e-03	0.0	480.0	3.05	-1.46	0.0	3.71e-03	0.0	0.0
419	83	1.75	0.0	-3.61e-04	-2.92	0.0	-2.85	1.46	0.0	-0.01	0.0	0.0
		0.0	0.0	2.07e-03	0.0	480.0	-2.85	-1.46	0.0	-0.01	0.0	0.0
419	84	1.75	0.0	-3.55e-04	-2.92	0.0	-4.66	1.46	0.0	-9.76e-03	0.0	0.0
		0.0	0.0	3.62e-03	0.0	480.0	-4.66	-1.46	0.0	-9.76e-03	0.0	0.0
419	85	1.75	0.0	-3.77e-04	-2.92	0.0	5.17	1.46	0.0	9.64e-03	0.0	0.0
		0.0	0.0	-3.55e-03	0.0	480.0	5.17	-1.46	0.0	9.64e-03	0.0	0.0
419	86	1.75	0.0	-3.70e-04	-2.92	0.0	3.35	1.46	0.0	0.01	0.0	0.0
		0.0	0.0	-2.00e-03	0.0	480.0	3.35	-1.46	0.0	0.01	0.0	0.0
419	98	1.75	0.0	-3.69e-04	-2.92	0.0	2.72	1.46	0.0	3.28e-03	0.0	0.0
		0.0	0.0	-3.26e-03	0.0	480.0	2.72	-1.46	0.0	3.28e-03	0.0	0.0
419	115	1.75	0.0	-3.57e-04	-2.92	0.0	-5.58	1.46	0.0	-0.03	0.0	0.0
		0.0	0.0	4.00e-03	0.0	480.0	-5.58	-1.46	0.0	-0.03	0.0	0.0
419	116	1.75	0.0	-3.46e-04	-2.92	0.0	-8.94	1.46	0.0	-0.02	0.0	0.0
		0.0	0.0	6.94e-03	0.0	480.0	-8.94	-1.46	0.0	-0.02	0.0	0.0
419	117	1.75	0.0	-3.86e-04	-2.92	0.0	9.45	1.46	0.0	0.02	0.0	0.0
		0.0	0.0	-6.87e-03	0.0	480.0	9.45	-1.46	0.0	0.02	0.0	0.0
419	118	1.75	0.0	-3.74e-04	-2.92	0.0	6.09	1.46	0.0	0.03	0.0	0.0
		0.0	0.0	-3.93e-03	0.0	480.0	6.09	-1.46	0.0	0.03	0.0	0.0
419	122	1.75	0.0	-3.72e-04	-2.92	0.0	6.16	1.46	0.0	0.02	0.0	0.0
		0.0	0.0	-4.36e-03	0.0	480.0	6.16	-1.46	0.0	0.02	0.0	0.0
419	130	1.75	0.0	-3.73e-04	-2.92	0.0	4.87	1.46	0.0	6.02e-03	0.0	0.0
		0.0	0.0	-6.37e-03	0.0	480.0	4.87	-1.46	0.0	6.02e-03	0.0	0.0
420	1	0.04	1.77	-1.04e-04	0.0	0.0	0.63	0.01	-3.15	-1.78e-04	0.04	0.02
		0.02	-0.90	-2.70e-04	8.47	160.0	0.63	0.01	5.32	-1.78e-04	1.77	0.04
420	2	0.12	2.01	-3.26e-05	0.0	0.0	0.62	5.39e-03	-2.92	-1.75e-04	-0.09	0.11
		0.11	-0.89	-3.21e-04	8.47	160.0	0.62	5.39e-03	5.55	-1.75e-04	2.01	0.12
420	3	0.03	1.23	-1.03e-04	0.0	0.0	0.56	0.01	-1.64	-2.30e-04	0.01	2.28e-03
		2.28e-03	-0.43	-1.93e-04	4.81	160.0	0.56	0.01	3.17	-2.30e-04	1.23	0.03
420	4	0.11	1.47	-3.19e-05	0.0	0.0	0.55	5.85e-03	-1.41	-2.28e-04	-0.11	0.10
		0.10	-0.44	-2.44e-04	4.81	160.0	0.55	5.85e-03	3.40	-2.28e-04	1.47	0.11
420	5	0.06	1.79	-1.69e-04	0.0	0.0	0.71	0.02	-3.18	-5.15e-04	0.10	0.03
		0.03	-0.86	-2.76e-04	8.47	160.0	0.71	0.02	5.29	-5.15e-04	1.79	0.06
420	9	0.02	1.30	-7.06e-05	0.0	0.0	0.49	0.01	-2.08	-7.47e-05	4.18e-03	2.56e-03
		2.56e-03	-0.59	-2.00e-04	5.77	160.0	0.49	0.01	3.70	-7.47e-05	1.30	0.02
420	10	0.08	1.46	-2.28e-05	0.0	0.0	0.49	6.27e-03	-1.92	-7.30e-05	-0.08	0.07
		0.07	-0.59	-2.33e-04	5.77	160.0	0.49	6.27e-03	3.85	-7.30e-05	1.46	0.08
420	11	0.04	1.31	-1.14e-04	0.0	0.0	0.54	0.01	-2.10	-3.00e-04	0.04	0.01
		0.01	-0.56	-2.03e-04	5.77	160.0	0.54	0.01	3.68	-3.00e-04	1.31	0.04
420	13	3.14e-03	1.29	-5.77e-06	0.0	0.0	0.41	0.01	-2.05	2.63e-04	-0.05	-0.01
		-0.01	-0.63	-1.94e-04	5.77	160.0	0.41	0.01	3.73	2.63e-04	1.29	3.14e-03
420	14	0.03	1.37	1.81e-05	0.0	0.0	0.41	7.77e-03	-1.97	2.64e-04	-0.10	0.02
		0.02	-0.63	-2.11e-04	5.77	160.0	0.41	7.77e-03	3.80	2.64e-04	1.37	0.03
420	15	9.53e-03	1.29	-2.74e-05	0.0	0.0	0.44	0.01	-2.06	1.50e-04	-0.04	-8.58e-03
		-8.58e-03	-0.62	-1.96e-04	5.77	160.0	0.44	0.01	3.72	1.50e-04	1.29	9.53e-03
420	17	3.14e-03	1.29	-5.77e-06	0.0	0.0	0.41	0.01	-2.05	2.63e-04	-0.05	-0.01

		-0.01	-0.63	-1.94e-04	5.77	160.0	0.41	0.01	3.73	2.63e-04	1.29	3.14e-03
420	18	0.02	1.34	8.54e-06	0.0	0.0	0.41	8.98e-03	-2.00	2.63e-04	-0.08	5.60e-03
		5.60e-03	-0.63	-2.04e-04	5.77	160.0	0.41	8.98e-03	3.77	2.63e-04	1.34	0.02
420	35	8.19	0.85	-1.34e-03	0.0	0.0	-9.96	-3.13	-0.56	-0.02	-2.68	8.19
		3.76	-2.74	1.16e-04	5.77	160.0	-9.96	-3.13	5.22	-0.02	0.85	3.76
420	38	-3.72	2.52	1.35e-03	0.0	0.0	10.79	3.15	-3.45	0.02	2.52	-8.18
		-8.18	0.99	-3.38e-04	5.77	160.0	10.79	3.15	2.33	0.02	1.83	-3.72
420	44	-4.33	4.40	1.90e-03	0.0	0.0	19.62	0.96	-4.48	-0.02	4.40	-4.33
		-6.05	1.47	-3.47e-04	5.77	160.0	19.62	0.96	1.29	-0.02	1.67	-6.05
420	45	6.09	1.01	-1.88e-03	0.0	0.0	-18.80	-0.95	0.48	0.02	-4.56	4.34
		4.34	-4.56	1.77e-04	5.77	160.0	-18.80	-0.95	6.26	0.02	1.01	6.09
420	48	-4.34	4.42	1.94e-03	0.0	0.0	19.43	1.21	-4.49	-0.01	4.42	-4.34
		-5.88	1.48	-3.49e-04	5.77	160.0	19.43	1.21	1.28	-0.01	1.66	-5.88
420	49	5.92	1.01	-1.92e-03	0.0	0.0	-18.61	-1.19	0.49	0.01	-4.58	4.35
		4.35	-4.58	1.78e-04	5.77	160.0	-18.61	-1.19	6.27	0.01	1.01	5.92
420	67	6.11	0.97	-9.98e-04	0.0	0.0	-7.44	-2.28	-0.91	-0.01	-2.04	6.11
		2.86	-2.18	-1.07e-04	5.77	160.0	-7.44	-2.28	4.86	-0.01	0.97	2.86
420	70	-2.82	1.88	1.02e-03	0.0	0.0	8.26	2.30	-3.09	0.01	1.88	-6.10
		-6.10	0.63	-3.02e-04	5.77	160.0	8.26	2.30	2.68	0.01	1.70	-2.82
420	76	-3.25	3.28	1.38e-03	0.0	0.0	14.91	0.70	-3.87	-0.01	3.28	-3.25
		-4.58	1.12	-2.99e-04	5.77	160.0	14.91	0.70	1.91	-0.01	1.58	-4.58
420	77	4.62	1.09	-1.36e-03	0.0	0.0	-14.09	-0.68	-0.13	0.01	-3.44	3.26
		3.26	-3.44	1.20e-04	5.77	160.0	-14.09	-0.68	5.64	0.01	1.09	4.62
420	80	-3.25	3.29	1.40e-03	0.0	0.0	14.75	0.87	-3.87	-9.67e-03	3.29	-3.25
		-4.45	1.12	-3.00e-04	5.77	160.0	14.75	0.87	1.90	-9.67e-03	1.58	-4.45
420	81	4.49	1.09	-1.38e-03	0.0	0.0	-13.92	-0.86	-0.13	0.01	-3.45	3.26
		3.26	-3.45	1.21e-04	5.77	160.0	-13.92	-0.86	5.64	0.01	1.09	4.49
420	99	5.42	1.01	-8.84e-04	0.0	0.0	-6.56	-2.01	-1.03	-0.01	-1.82	5.42
		2.54	-1.99	-1.18e-04	5.77	160.0	-6.56	-2.01	4.74	-0.01	1.01	2.54
420	102	-2.50	1.66	9.01e-04	0.0	0.0	7.39	2.03	-2.97	0.01	1.66	-5.40
		-5.40	0.50	-2.90e-04	5.77	160.0	7.39	2.03	2.81	0.01	1.66	-2.50
420	108	-2.88	2.91	1.22e-03	0.0	0.0	13.29	0.62	-3.66	-0.01	2.91	-2.88
		-4.07	0.98	-2.85e-04	5.77	160.0	13.29	0.62	2.12	-0.01	1.55	-4.07
420	109	4.11	1.12	-1.20e-03	0.0	0.0	-12.47	-0.60	-0.34	0.01	-3.07	2.89
		2.89	-3.07	-1.29e-04	5.77	160.0	-12.47	-0.60	5.43	0.01	1.12	4.11
420	112	-2.88	2.91	1.24e-03	0.0	0.0	13.14	0.77	-3.66	-8.54e-03	2.91	-2.88
		-3.95	0.98	-2.86e-04	5.77	160.0	13.14	0.77	2.11	-8.54e-03	1.55	-3.95
420	113	3.99	1.12	-1.22e-03	0.0	0.0	-12.31	-0.75	-0.34	9.07e-03	-3.07	2.90
		2.90	-3.08	-1.28e-04	5.77	160.0	-12.31	-0.75	5.43	9.07e-03	1.12	3.99
420	131	9.85	0.74	-1.62e-03	0.0	0.0	-12.12	-3.77	-0.26	-0.02	-3.22	9.85
		4.54	-3.24	1.51e-04	5.77	160.0	-12.12	-3.77	5.52	-0.02	0.74	4.54
420	134	-4.50	3.06	1.64e-03	0.0	0.0	12.94	3.78	-3.75	0.02	3.06	-9.83
		-9.83	1.27	-3.68e-04	5.77	160.0	12.94	3.78	2.03	0.02	1.93	-4.50
420	140	-5.24	5.34	2.32e-03	0.0	0.0	23.60	1.16	-5.00	-0.02	5.34	-5.24
		-7.31	1.68	-3.90e-04	5.77	160.0	23.60	1.16	0.77	-0.02	1.73	-7.31
420	141	7.35	0.94	-2.31e-03	0.0	0.0	-22.78	-1.14	1.00	0.02	-5.49	5.25
		5.25	-5.49	2.24e-04	5.77	160.0	-22.78	-1.14	6.77	0.02	0.94	7.35
420	144	-5.25	5.37	2.38e-03	0.0	0.0	23.39	1.46	-5.01	-0.02	5.37	-5.25
		-7.10	1.68	-3.93e-04	5.77	160.0	23.39	1.46	0.76	-0.02	1.73	-7.10
420	145	7.14	0.94	-2.36e-03	0.0	0.0	-22.57	-1.44	1.01	0.02	-5.53	5.26
		5.26	-5.53	2.26e-04	5.77	160.0	-22.57	-1.44	6.79	0.02	0.94	7.14
426	1	0.25	0.0	9.52e-05	-1.27	0.0	-1.05	0.63	0.0	-3.55e-04	0.0	0.0
		0.0	0.0	-4.89e-05	0.0	160.0	-1.05	-0.63	0.0	-3.55e-04	0.0	0.0
426	2	0.25	0.0	2.76e-04	-1.27	0.0	-0.94	0.63	0.0	-7.73e-05	0.0	0.0
		0.0	0.0	6.57e-05	0.0	160.0	-0.94	-0.63	0.0	-7.73e-05	0.0	0.0
426	4	0.19	0.0	2.53e-04	-0.97	0.0	-0.95	0.49	0.0	-7.77e-05	0.0	0.0
		0.0	0.0	6.01e-05	0.0	160.0	-0.95	-0.49	0.0	-7.77e-05	0.0	0.0
426	7	0.19	0.0	6.89e-05	-0.97	0.0	-1.77	0.49	0.0	-5.44e-04	0.0	0.0
		0.0	0.0	-9.27e-05	0.0	160.0	-1.77	-0.49	0.0	-5.44e-04	0.0	0.0
426	9	0.19	0.0	7.36e-05	-0.97	0.0	-0.70	0.49	0.0	-2.51e-04	0.0	0.0
		0.0	0.0	-3.33e-05	0.0	160.0	-0.70	-0.49	0.0	-2.51e-04	0.0	0.0
426	10	0.19	0.0	1.94e-04	-0.97	0.0	-0.63	0.49	0.0	-6.62e-05	0.0	0.0
		0.0	0.0	4.31e-05	0.0	160.0	-0.63	-0.49	0.0	-6.62e-05	0.0	0.0
426	11	0.19	0.0	7.16e-05	-0.97	0.0	-1.18	0.49	0.0	-3.77e-04	0.0	0.0
		0.0	0.0	-5.88e-05	0.0	160.0	-1.18	-0.49	0.0	-3.77e-04	0.0	0.0
426	13	0.19	0.0	7.66e-05	-0.97	0.0	0.02	0.49	0.0	-6.22e-05	0.0	0.0
		0.0	0.0	4.94e-06	0.0	160.0	0.02	-0.49	0.0	-6.22e-05	0.0	0.0
426	14	0.19	0.0	1.37e-04	-0.97	0.0	0.05	0.49	0.0	3.02e-05	0.0	0.0
		0.0	0.0	4.31e-05	0.0	160.0	0.05	-0.49	0.0	3.02e-05	0.0	0.0
426	15	0.19	0.0	7.56e-05	-0.97	0.0	-0.22	0.49	0.0	-1.25e-04	0.0	0.0
		0.0	0.0	-7.81e-06	0.0	160.0	-0.22	-0.49	0.0	-1.25e-04	0.0	0.0
426	17	0.19	0.0	7.66e-05	-0.97	0.0	0.02	0.49	0.0	-6.22e-05	0.0	0.0
		0.0	0.0	4.94e-06	0.0	160.0	0.02	-0.49	0.0	-6.22e-05	0.0	0.0
426	18	0.19	0.0	1.13e-04	-0.97	0.0	0.04	0.49	0.0	-6.76e-06	0.0	0.0
		0.0	0.0	2.79e-05	0.0	160.0	0.04	-0.49	0.0	-6.76e-06	0.0	0.0

426	20	0.19	0.0	1.10e-04	-0.97	0.0	-7.37	0.49	0.0	0.04	0.0	0.0
		0.0	0.0	-1.13e-03	0.0	160.0	-7.37	-0.49	0.0	0.04	0.0	0.0
426	21	0.19	0.0	1.15e-04	-0.97	0.0	7.45	0.49	0.0	-0.04	0.0	0.0
		0.0	0.0	1.18e-03	0.0	160.0	7.45	-0.49	0.0	-0.04	0.0	0.0
426	26	0.19	0.0	1.14e-04	-0.97	0.0	4.77	0.49	0.0	-0.03	0.0	0.0
		0.0	0.0	9.48e-04	0.0	160.0	4.77	-0.49	0.0	-0.03	0.0	0.0
426	28	0.19	0.0	1.10e-04	-0.97	0.0	-6.19	0.49	0.0	0.02	0.0	0.0
		0.0	0.0	6.60e-05	0.0	160.0	-6.19	-0.49	0.0	0.02	0.0	0.0
426	29	0.19	0.0	1.15e-04	-0.97	0.0	6.27	0.49	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.02e-05	0.0	160.0	6.27	-0.49	0.0	-0.02	0.0	0.0
426	52	0.19	0.0	1.11e-04	-0.97	0.0	-5.38	0.49	0.0	0.03	0.0	0.0
		0.0	0.0	-8.26e-04	0.0	160.0	-5.38	-0.49	0.0	0.03	0.0	0.0
426	53	0.19	0.0	1.15e-04	-0.97	0.0	5.45	0.49	0.0	-0.03	0.0	0.0
		0.0	0.0	8.82e-04	0.0	160.0	5.45	-0.49	0.0	-0.03	0.0	0.0
426	58	0.19	0.0	1.13e-04	-0.97	0.0	3.47	0.49	0.0	-0.02	0.0	0.0
		0.0	0.0	6.99e-04	0.0	160.0	3.47	-0.49	0.0	-0.02	0.0	0.0
426	60	0.19	0.0	1.11e-04	-0.97	0.0	-4.54	0.49	0.0	0.02	0.0	0.0
		0.0	0.0	3.30e-05	0.0	160.0	-4.54	-0.49	0.0	0.02	0.0	0.0
426	61	0.19	0.0	1.15e-04	-0.97	0.0	4.62	0.49	0.0	-0.02	0.0	0.0
		0.0	0.0	2.27e-05	0.0	160.0	4.62	-0.49	0.0	-0.02	0.0	0.0
426	84	0.19	0.0	1.11e-04	-0.97	0.0	-4.75	0.49	0.0	0.02	0.0	0.0
		0.0	0.0	-7.29e-04	0.0	160.0	-4.75	-0.49	0.0	0.02	0.0	0.0
426	85	0.19	0.0	1.15e-04	-0.97	0.0	4.83	0.49	0.0	-0.02	0.0	0.0
		0.0	0.0	7.84e-04	0.0	160.0	4.83	-0.49	0.0	-0.02	0.0	0.0
426	90	0.19	0.0	1.13e-04	-0.97	0.0	3.07	0.49	0.0	-0.02	0.0	0.0
		0.0	0.0	6.21e-04	0.0	160.0	3.07	-0.49	0.0	-0.02	0.0	0.0
426	92	0.19	0.0	1.11e-04	-0.97	0.0	-4.02	0.49	0.0	0.02	0.0	0.0
		0.0	0.0	3.02e-05	0.0	160.0	-4.02	-0.49	0.0	0.02	0.0	0.0
426	93	0.19	0.0	1.15e-04	-0.97	0.0	4.09	0.49	0.0	-0.02	0.0	0.0
		0.0	0.0	2.55e-05	0.0	160.0	4.09	-0.49	0.0	-0.02	0.0	0.0
426	116	0.19	0.0	1.09e-04	-0.97	0.0	-8.90	0.49	0.0	0.05	0.0	0.0
		0.0	0.0	-1.36e-03	0.0	160.0	-8.90	-0.49	0.0	0.05	0.0	0.0
426	117	0.19	0.0	1.16e-04	-0.97	0.0	8.97	0.49	0.0	-0.05	0.0	0.0
		0.0	0.0	1.42e-03	0.0	160.0	8.97	-0.49	0.0	-0.05	0.0	0.0
426	122	0.19	0.0	1.14e-04	-0.97	0.0	5.75	0.49	0.0	-0.03	0.0	0.0
		0.0	0.0	1.13e-03	0.0	160.0	5.75	-0.49	0.0	-0.03	0.0	0.0
426	124	0.19	0.0	1.10e-04	-0.97	0.0	-7.49	0.49	0.0	0.03	0.0	0.0
		0.0	0.0	9.34e-05	0.0	160.0	-7.49	-0.49	0.0	0.03	0.0	0.0
426	125	0.19	0.0	1.16e-04	-0.97	0.0	7.56	0.49	0.0	-0.03	0.0	0.0
		0.0	0.0	-3.77e-05	0.0	160.0	7.56	-0.49	0.0	-0.03	0.0	0.0
427	1	1.69	0.0	-2.40e-04	-4.84	0.0	0.69	2.42	0.0	0.01	0.0	0.0
		0.0	0.0	-3.06e-04	0.0	280.0	0.69	-2.42	0.0	0.01	0.0	0.0
427	2	1.69	0.0	-2.71e-04	-4.84	0.0	1.14	2.42	0.0	0.02	0.0	0.0
		0.0	0.0	-2.47e-04	0.0	280.0	1.14	-2.42	0.0	0.02	0.0	0.0
427	3	1.30	0.0	-1.83e-04	-3.72	0.0	0.64	1.86	0.0	0.01	0.0	0.0
		0.0	0.0	-3.00e-04	0.0	280.0	0.64	-1.86	0.0	0.01	0.0	0.0
427	6	1.69	0.0	-3.02e-04	-4.84	0.0	1.34	2.42	0.0	0.03	0.0	0.0
		0.0	0.0	-4.40e-04	0.0	280.0	1.34	-2.42	0.0	0.03	0.0	0.0
427	9	1.30	0.0	-1.73e-04	-3.72	0.0	0.47	1.86	0.0	9.08e-03	0.0	0.0
		0.0	0.0	-2.10e-04	0.0	280.0	0.47	-1.86	0.0	9.08e-03	0.0	0.0
427	10	1.30	0.0	-1.93e-04	-3.72	0.0	0.78	1.86	0.0	0.01	0.0	0.0
		0.0	0.0	-1.71e-04	0.0	280.0	0.78	-1.86	0.0	0.01	0.0	0.0
427	12	1.30	0.0	-2.12e-04	-3.72	0.0	0.91	1.86	0.0	0.02	0.0	0.0
		0.0	0.0	-2.99e-04	0.0	280.0	0.91	-1.86	0.0	0.02	0.0	0.0
427	13	1.30	0.0	-1.39e-04	-3.72	0.0	0.14	1.86	0.0	1.74e-03	0.0	0.0
		0.0	0.0	-3.48e-05	0.0	280.0	0.14	-1.86	0.0	1.74e-03	0.0	0.0
427	14	1.30	0.0	-1.48e-04	-3.72	0.0	0.29	1.86	0.0	3.78e-03	0.0	0.0
		0.0	0.0	-1.53e-05	0.0	280.0	0.29	-1.86	0.0	3.78e-03	0.0	0.0
427	16	1.30	0.0	-1.55e-04	-3.72	0.0	0.34	1.86	0.0	5.41e-03	0.0	0.0
		0.0	0.0	-8.15e-05	0.0	280.0	0.34	-1.86	0.0	5.41e-03	0.0	0.0
427	17	1.30	0.0	-1.39e-04	-3.72	0.0	0.14	1.86	0.0	1.74e-03	0.0	0.0
		0.0	0.0	-3.48e-05	0.0	280.0	0.14	-1.86	0.0	1.74e-03	0.0	0.0
427	18	1.30	0.0	-1.44e-04	-3.72	0.0	0.23	1.86	0.0	2.97e-03	0.0	0.0
		0.0	0.0	-2.31e-05	0.0	280.0	0.23	-1.86	0.0	2.97e-03	0.0	0.0
427	19	1.30	0.0	1.15e-03	-3.72	0.0	-17.85	1.86	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.16e-03	0.0	280.0	-17.85	-1.86	0.0	-0.02	0.0	0.0
427	20	1.30	0.0	5.22e-04	-3.72	0.0	-11.50	1.86	0.0	-0.05	0.0	0.0
		0.0	0.0	-1.31e-03	0.0	280.0	-11.50	-1.86	0.0	-0.05	0.0	0.0
427	22	1.30	0.0	-1.35e-03	-3.72	0.0	18.30	1.86	0.0	0.03	0.0	0.0
		0.0	0.0	1.11e-03	0.0	280.0	18.30	-1.86	0.0	0.03	0.0	0.0
427	26	1.30	0.0	-1.42e-03	-3.72	0.0	18.29	1.86	0.0	0.02	0.0	0.0
		0.0	0.0	6.69e-04	0.0	280.0	18.29	-1.86	0.0	0.02	0.0	0.0
427	35	1.30	0.0	1.23e-03	-3.72	0.0	-14.82	1.86	0.0	0.04	0.0	0.0
		0.0	0.0	-1.35e-04	0.0	280.0	-14.82	-1.86	0.0	0.04	0.0	0.0
427	38	1.30	0.0	-1.43e-03	-3.72	0.0	15.27	1.86	0.0	-0.03	0.0	0.0

		0.0	0.0	8.85e-05	0.0	280.0	15.27	-1.86	0.0	-0.03	0.0	0.0
427	51	1.30	0.0	8.20e-04	-3.72	0.0	-12.89	1.86	0.0	-0.01	0.0	0.0
		0.0	0.0	-8.25e-04	0.0	280.0	-12.89	-1.86	0.0	-0.01	0.0	0.0
427	52	1.30	0.0	3.55e-04	-3.72	0.0	-8.26	1.86	0.0	-0.04	0.0	0.0
		0.0	0.0	-8.97e-04	0.0	280.0	-8.26	-1.86	0.0	-0.04	0.0	0.0
427	53	1.30	0.0	-5.55e-04	-3.72	0.0	8.71	1.86	0.0	0.04	0.0	0.0
		0.0	0.0	8.51e-04	0.0	280.0	8.71	-1.86	0.0	0.04	0.0	0.0
427	54	1.30	0.0	-1.02e-03	-3.72	0.0	13.34	1.86	0.0	0.02	0.0	0.0
		0.0	0.0	7.79e-04	0.0	280.0	13.34	-1.86	0.0	0.02	0.0	0.0
427	67	1.30	0.0	8.82e-04	-3.72	0.0	-10.73	1.86	0.0	0.03	0.0	0.0
		0.0	0.0	-1.53e-04	0.0	280.0	-10.73	-1.86	0.0	0.03	0.0	0.0
427	70	1.30	0.0	-1.08e-03	-3.72	0.0	11.18	1.86	0.0	-0.03	0.0	0.0
		0.0	0.0	1.07e-04	0.0	280.0	11.18	-1.86	0.0	-0.03	0.0	0.0
427	83	1.30	0.0	7.14e-04	-3.72	0.0	-11.35	1.86	0.0	-0.01	0.0	0.0
		0.0	0.0	-7.28e-04	0.0	280.0	-11.35	-1.86	0.0	-0.01	0.0	0.0
427	84	1.30	0.0	3.02e-04	-3.72	0.0	-7.26	1.86	0.0	-0.03	0.0	0.0
		0.0	0.0	-7.88e-04	0.0	280.0	-7.26	-1.86	0.0	-0.03	0.0	0.0
427	85	1.30	0.0	-5.02e-04	-3.72	0.0	7.72	1.86	0.0	0.04	0.0	0.0
		0.0	0.0	7.42e-04	0.0	280.0	7.72	-1.86	0.0	0.04	0.0	0.0
427	86	1.30	0.0	-9.14e-04	-3.72	0.0	11.81	1.86	0.0	0.02	0.0	0.0
		0.0	0.0	6.82e-04	0.0	280.0	11.81	-1.86	0.0	0.02	0.0	0.0
427	99	1.30	0.0	7.70e-04	-3.72	0.0	-9.45	1.86	0.0	0.03	0.0	0.0
		0.0	0.0	-1.44e-04	0.0	280.0	-9.45	-1.86	0.0	0.03	0.0	0.0
427	102	1.30	0.0	-9.70e-04	-3.72	0.0	9.90	1.86	0.0	-0.02	0.0	0.0
		0.0	0.0	9.81e-05	0.0	280.0	9.90	-1.86	0.0	-0.02	0.0	0.0
427	115	1.30	0.0	1.41e-03	-3.72	0.0	-21.57	1.86	0.0	-0.03	0.0	0.0
		0.0	0.0	-1.39e-03	0.0	280.0	-21.57	-1.86	0.0	-0.03	0.0	0.0
427	116	1.30	0.0	6.49e-04	-3.72	0.0	-13.91	1.86	0.0	-0.06	0.0	0.0
		0.0	0.0	-1.57e-03	0.0	280.0	-13.91	-1.86	0.0	-0.06	0.0	0.0
427	118	1.30	0.0	-1.61e-03	-3.72	0.0	22.03	1.86	0.0	0.03	0.0	0.0
		0.0	0.0	1.34e-03	0.0	280.0	22.03	-1.86	0.0	0.03	0.0	0.0
427	122	1.30	0.0	-1.69e-03	-3.72	0.0	22.02	1.86	0.0	0.02	0.0	0.0
		0.0	0.0	8.08e-04	0.0	280.0	22.02	-1.86	0.0	0.02	0.0	0.0
427	131	1.30	0.0	1.50e-03	-3.72	0.0	-17.93	1.86	0.0	0.05	0.0	0.0
		0.0	0.0	-1.53e-04	0.0	280.0	-17.93	-1.86	0.0	0.05	0.0	0.0
427	134	1.30	0.0	-1.70e-03	-3.72	0.0	18.38	1.86	0.0	-0.04	0.0	0.0
		0.0	0.0	1.07e-04	0.0	280.0	18.38	-1.86	0.0	-0.04	0.0	0.0
428	2	1.34	1.30	6.83e-05	0.0	0.0	1.97	0.83	-3.46	-3.11e-04	0.06	0.02
		0.02	-1.06	-1.02e-04	8.47	160.0	1.97	0.83	5.01	-3.11e-04	1.30	1.34
428	3	0.86	0.36	-5.32e-05	0.0	0.0	1.41	0.53	-2.36	-4.69e-04	0.28	0.01
		0.01	-0.64	5.12e-05	4.81	160.0	1.41	0.53	2.45	-4.69e-04	0.36	0.86
428	6	1.67	0.74	-2.54e-05	0.0	0.0	2.34	1.03	-3.97	-6.28e-04	0.32	0.02
		0.02	-1.17	5.91e-05	8.47	160.0	2.34	1.03	4.49	-6.28e-04	0.74	1.67
428	9	0.63	0.75	-3.28e-05	0.0	0.0	1.12	0.39	-2.56	-3.23e-04	0.23	9.99e-03
		9.99e-03	-0.68	4.01e-05	5.77	160.0	1.12	0.39	3.22	-3.23e-04	0.75	0.63
428	10	0.91	0.93	4.48e-05	0.0	0.0	1.43	0.56	-2.33	-2.22e-04	0.03	0.01
		0.01	-0.71	-7.63e-05	5.77	160.0	1.43	0.56	3.45	-2.22e-04	0.93	0.91
428	12	1.13	0.55	-1.76e-05	0.0	0.0	1.67	0.70	-2.67	-4.33e-04	0.20	0.01
		0.01	-0.78	3.54e-05	5.77	160.0	1.67	0.70	3.11	-4.33e-04	0.55	1.13
428	13	0.17	1.24	5.26e-06	0.0	0.0	0.61	0.10	-2.15	-5.13e-05	0.06	4.91e-03
		4.91e-03	-0.58	-3.86e-05	5.77	160.0	0.61	0.10	3.62	-5.13e-05	1.24	0.17
428	14	0.31	1.32	4.38e-05	0.0	0.0	0.77	0.19	-2.03	0.0	-0.04	5.68e-03
		5.68e-03	-0.61	-8.13e-05	5.77	160.0	0.77	0.19	3.74	0.0	1.32	0.31
428	16	0.41	1.13	1.59e-05	0.0	0.0	0.87	0.25	-2.22	-1.11e-04	0.06	7.06e-03
		7.06e-03	-0.63	-4.83e-05	5.77	160.0	0.87	0.25	3.56	-1.11e-04	1.13	0.41
428	17	0.17	1.24	5.26e-06	0.0	0.0	0.61	0.10	-2.15	-5.13e-05	0.06	4.91e-03
		4.91e-03	-0.58	-3.86e-05	5.77	160.0	0.61	0.10	3.62	-5.13e-05	1.24	0.17
428	18	0.25	1.29	2.84e-05	0.0	0.0	0.71	0.15	-2.08	-2.09e-05	-8.15e-04	5.37e-03
		5.37e-03	-0.60	-6.43e-05	5.77	160.0	0.71	0.15	3.69	-2.09e-05	1.29	0.25
428	19	-2.31	3.00	-9.40e-04	0.0	0.0	14.63	-18.64	-7.44	0.02	3.00	-2.31
		-32.07	-4.29	-1.38e-03	5.77	160.0	14.63	-18.64	-1.66	0.02	-4.29	-32.07
428	22	32.58	6.87	9.96e-04	0.0	0.0	-13.22	18.95	3.27	-0.02	-3.00	2.32
		2.32	-3.00	1.25e-03	5.77	160.0	-13.22	18.95	9.05	-0.02	6.87	32.58
428	48	11.89	8.48	-4.37e-04	0.0	0.0	39.44	6.95	-17.50	0.02	8.48	0.80
		0.80	-14.92	8.81e-04	5.77	160.0	39.44	6.95	-11.73	0.02	-14.92	11.89
428	49	-0.79	17.50	4.78e-04	0.0	0.0	-38.03	-6.65	13.34	-0.02	-8.48	-0.79
		-11.39	-8.48	-9.76e-04	5.77	160.0	-38.03	-6.65	19.11	-0.02	17.50	-11.39
428	51	-1.68	2.23	-6.84e-04	0.0	0.0	11.16	-13.45	-6.06	0.02	2.23	-1.68
		-23.14	-2.86	-1.03e-03	5.77	160.0	11.16	-13.45	-0.29	0.02	-2.86	-23.14
428	54	23.64	5.44	7.41e-04	0.0	0.0	-9.75	13.76	1.90	-0.02	-2.23	1.69
		1.69	-2.23	9.06e-04	5.77	160.0	-9.75	13.76	7.67	-0.02	5.44	23.64
428	80	8.62	6.33	-3.39e-04	0.0	0.0	29.66	5.05	-13.60	0.02	6.33	0.58
		0.58	-10.84	6.48e-04	5.77	160.0	29.66	5.05	-7.83	0.02	-10.84	8.62
428	81	-0.56	13.42	3.81e-04	0.0	0.0	-28.25	-4.74	9.44	-0.02	-6.33	-0.56
		-8.12	-6.33	-7.42e-04	5.77	160.0	-28.25	-4.74	15.22	-0.02	13.42	-8.12

428	83	-1.48	1.97	-6.02e-04	0.0	0.0	9.98	-11.85	-5.61	0.01	1.97	-1.48
		-20.39	-2.38	-9.23e-04	5.77	160.0	9.98	-11.85	0.17	0.01	-2.38	-20.39
428	86	20.90	4.96	6.59e-04	0.0	0.0	-8.56	12.16	1.45	-0.01	-1.97	1.49
		1.49	-1.97	7.95e-04	5.77	160.0	-8.56	12.16	7.22	-0.01	4.96	20.90
428	112	7.63	5.61	-3.00e-04	0.0	0.0	26.39	4.47	-12.30	0.01	5.61	0.51
		0.51	-9.46	5.70e-04	5.77	160.0	26.39	4.47	-6.52	0.01	-9.46	7.63
428	113	-0.50	12.04	3.43e-04	0.0	0.0	-24.97	-4.16	8.14	-0.01	-5.61	-0.50
		-7.13	-5.61	-6.63e-04	5.77	160.0	-24.97	-4.16	13.91	-0.01	12.04	-7.13
428	115	-2.79	3.61	-1.14e-03	0.0	0.0	17.40	-22.53	-8.54	0.03	3.61	-2.79
		-38.75	-5.44	-1.65e-03	5.77	160.0	17.40	-22.53	-2.77	0.03	-5.44	-38.75
428	118	39.25	8.02	1.19e-03	0.0	0.0	-15.99	22.83	4.38	-0.03	-3.61	2.80
		2.80	-3.61	1.52e-03	5.77	160.0	-15.99	22.83	10.15	-0.03	8.02	39.25
428	144	14.33	10.26	-5.25e-04	0.0	0.0	47.55	8.38	-20.74	0.03	10.26	0.96
		0.96	-18.33	1.08e-03	5.77	160.0	47.55	8.38	-14.96	0.03	-18.33	14.33
428	145	-0.95	20.90	5.66e-04	0.0	0.0	-46.13	-8.07	16.57	-0.03	-10.26	-0.95
		-13.83	-10.26	-1.17e-03	5.77	160.0	-46.13	-8.07	22.35	-0.03	20.90	-13.83
430	1	3.53	0.0	-3.71e-04	-10.08	0.0	-0.34	5.04	0.0	0.01	0.0	0.0
		0.0	0.0	-3.01e-04	0.0	280.0	-0.34	-5.04	0.0	0.01	0.0	0.0
430	3	2.71	0.0	-2.73e-04	-7.75	0.0	-0.32	3.88	0.0	0.01	0.0	0.0
		0.0	0.0	-2.95e-04	0.0	280.0	-0.32	-3.88	0.0	0.01	0.0	0.0
430	5	3.53	0.0	-3.70e-04	-10.08	0.0	-0.51	5.04	0.0	0.02	0.0	0.0
		0.0	0.0	-4.73e-04	0.0	280.0	-0.51	-5.04	0.0	0.02	0.0	0.0
430	6	3.53	0.0	-3.72e-04	-10.08	0.0	-0.69	5.04	0.0	0.03	0.0	0.0
		0.0	0.0	-4.33e-04	0.0	280.0	-0.69	-5.04	0.0	0.03	0.0	0.0
430	9	2.71	0.0	-2.80e-04	-7.75	0.0	-0.23	3.88	0.0	9.76e-03	0.0	0.0
		0.0	0.0	-2.06e-04	0.0	280.0	-0.23	-3.88	0.0	9.76e-03	0.0	0.0
430	11	2.71	0.0	-2.80e-04	-7.75	0.0	-0.35	3.88	0.0	0.01	0.0	0.0
		0.0	0.0	-3.21e-04	0.0	280.0	-0.35	-3.88	0.0	0.01	0.0	0.0
430	12	2.71	0.0	-2.81e-04	-7.75	0.0	-0.46	3.88	0.0	0.02	0.0	0.0
		0.0	0.0	-2.95e-04	0.0	280.0	-0.46	-3.88	0.0	0.02	0.0	0.0
430	13	2.71	0.0	-2.81e-04	-7.75	0.0	-0.05	3.88	0.0	7.19e-03	0.0	0.0
		0.0	0.0	-3.33e-05	0.0	280.0	-0.05	-3.88	0.0	7.19e-03	0.0	0.0
430	14	2.71	0.0	-2.82e-04	-7.75	0.0	-0.14	3.88	0.0	0.02	0.0	0.0
		0.0	0.0	-1.43e-05	0.0	280.0	-0.14	-3.88	0.0	0.02	0.0	0.0
430	15	2.71	0.0	-2.80e-04	-7.75	0.0	-0.11	3.88	0.0	8.05e-03	0.0	0.0
		0.0	0.0	-9.09e-05	0.0	280.0	-0.11	-3.88	0.0	8.05e-03	0.0	0.0
430	16	2.71	0.0	-2.81e-04	-7.75	0.0	-0.16	3.88	0.0	0.01	0.0	0.0
		0.0	0.0	-7.95e-05	0.0	280.0	-0.16	-3.88	0.0	0.01	0.0	0.0
430	17	2.71	0.0	-2.81e-04	-7.75	0.0	-0.05	3.88	0.0	7.19e-03	0.0	0.0
		0.0	0.0	-3.33e-05	0.0	280.0	-0.05	-3.88	0.0	7.19e-03	0.0	0.0
430	18	2.71	0.0	-2.81e-04	-7.75	0.0	-0.10	3.88	0.0	0.01	0.0	0.0
		0.0	0.0	-2.19e-05	0.0	280.0	-0.10	-3.88	0.0	0.01	0.0	0.0
430	24	2.71	0.0	-2.33e-04	-7.75	0.0	-6.98	3.88	0.0	-0.04	0.0	0.0
		0.0	0.0	-1.68e-03	0.0	280.0	-6.98	-3.88	0.0	-0.04	0.0	0.0
430	25	2.71	0.0	-3.34e-04	-7.75	0.0	6.77	3.88	0.0	0.06	0.0	0.0
		0.0	0.0	1.63e-03	0.0	280.0	6.77	-3.88	0.0	0.06	0.0	0.0
430	30	2.71	0.0	-3.51e-04	-7.75	0.0	2.66	3.88	0.0	0.02	0.0	0.0
		0.0	0.0	2.18e-03	0.0	280.0	2.66	-3.88	0.0	0.02	0.0	0.0
430	40	2.71	0.0	-2.96e-04	-7.75	0.0	-5.19	3.88	0.0	-0.04	0.0	0.0
		0.0	0.0	-8.83e-04	0.0	280.0	-5.19	-3.88	0.0	-0.04	0.0	0.0
430	41	2.71	0.0	-2.67e-04	-7.75	0.0	4.98	3.88	0.0	0.06	0.0	0.0
		0.0	0.0	8.39e-04	0.0	280.0	4.98	-3.88	0.0	0.06	0.0	0.0
430	48	2.71	0.0	-2.93e-04	-7.75	0.0	-5.19	3.88	0.0	-0.07	0.0	0.0
		0.0	0.0	-2.34e-03	0.0	280.0	-5.19	-3.88	0.0	-0.07	0.0	0.0
430	56	2.71	0.0	-2.46e-04	-7.75	0.0	-5.17	3.88	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.17e-03	0.0	280.0	-5.17	-3.88	0.0	-0.02	0.0	0.0
430	57	2.71	0.0	-3.20e-04	-7.75	0.0	4.97	3.88	0.0	0.05	0.0	0.0
		0.0	0.0	1.13e-03	0.0	280.0	4.97	-3.88	0.0	0.05	0.0	0.0
430	62	2.71	0.0	-3.31e-04	-7.75	0.0	1.96	3.88	0.0	0.02	0.0	0.0
		0.0	0.0	1.51e-03	0.0	280.0	1.96	-3.88	0.0	0.02	0.0	0.0
430	72	2.71	0.0	-2.92e-04	-7.75	0.0	-3.87	3.88	0.0	-0.03	0.0	0.0
		0.0	0.0	-5.58e-04	0.0	280.0	-3.87	-3.88	0.0	-0.03	0.0	0.0
430	73	2.71	0.0	-2.71e-04	-7.75	0.0	3.66	3.88	0.0	0.05	0.0	0.0
		0.0	0.0	5.14e-04	0.0	280.0	3.66	-3.88	0.0	0.05	0.0	0.0
430	80	2.71	0.0	-2.89e-04	-7.75	0.0	-3.92	3.88	0.0	-0.05	0.0	0.0
		0.0	0.0	-1.64e-03	0.0	280.0	-3.92	-3.88	0.0	-0.05	0.0	0.0
430	88	2.71	0.0	-2.50e-04	-7.75	0.0	-4.59	3.88	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.03e-03	0.0	280.0	-4.59	-3.88	0.0	-0.02	0.0	0.0
430	89	2.71	0.0	-3.15e-04	-7.75	0.0	4.38	3.88	0.0	0.04	0.0	0.0
		0.0	0.0	9.87e-04	0.0	280.0	4.38	-3.88	0.0	0.04	0.0	0.0
430	94	2.71	0.0	-3.25e-04	-7.75	0.0	1.72	3.88	0.0	0.02	0.0	0.0
		0.0	0.0	1.32e-03	0.0	280.0	1.72	-3.88	0.0	0.02	0.0	0.0
430	104	2.71	0.0	-2.91e-04	-7.75	0.0	-3.44	3.88	0.0	-0.02	0.0	0.0
		0.0	0.0	-4.84e-04	0.0	280.0	-3.44	-3.88	0.0	-0.02	0.0	0.0
430	105	2.71	0.0	-2.72e-04	-7.75	0.0	3.23	3.88	0.0	0.05	0.0	0.0

		0.0	0.0	4.41e-04	0.0	280.0	3.23	-3.88	0.0	0.05	0.0	0.0
430	112	2.71	0.0	-2.88e-04	-7.75	0.0	-3.49	3.88	0.0	-0.05	0.0	0.0
		0.0	0.0	-1.45e-03	0.0	280.0	-3.49	-3.88	0.0	-0.05	0.0	0.0
430	116	2.71	0.0	-2.25e-04	-7.75	0.0	-8.38	3.88	0.0	-0.03	0.0	0.0
		0.0	0.0	-1.49e-03	0.0	280.0	-8.38	-3.88	0.0	-0.03	0.0	0.0
430	117	2.71	0.0	-3.44e-04	-7.75	0.0	8.18	3.88	0.0	0.06	0.0	0.0
		0.0	0.0	1.45e-03	0.0	280.0	8.18	-3.88	0.0	0.06	0.0	0.0
430	126	2.71	0.0	-3.66e-04	-7.75	0.0	3.20	3.88	0.0	0.03	0.0	0.0
		0.0	0.0	2.63e-03	0.0	280.0	3.20	-3.88	0.0	0.03	0.0	0.0
430	136	2.71	0.0	-2.99e-04	-7.75	0.0	-6.22	3.88	0.0	-0.05	0.0	0.0
		0.0	0.0	-1.07e-03	0.0	280.0	-6.22	-3.88	0.0	-0.05	0.0	0.0
430	137	2.71	0.0	-2.64e-04	-7.75	0.0	6.02	3.88	0.0	0.07	0.0	0.0
		0.0	0.0	1.02e-03	0.0	280.0	6.02	-3.88	0.0	0.07	0.0	0.0
430	144	2.71	0.0	-2.96e-04	-7.75	0.0	-6.21	3.88	0.0	-0.08	0.0	0.0
		0.0	0.0	-2.82e-03	0.0	280.0	-6.21	-3.88	0.0	-0.08	0.0	0.0
431	2	5.23	0.0	-3.68e-03	-2.83	0.0	0.06	10.12	-9.98e-04	5.52e-03	0.0	0.0
		0.0	-5.99e-04	-4.51e-04	0.0	60.0	0.06	7.29	-9.98e-04	5.52e-03	-5.99e-04	5.23
431	3	1.45	0.0	-8.06e-04	-0.51	0.0	-1.71	2.68	-8.42e-04	1.19e-03	0.0	0.0
		0.0	-5.05e-04	-1.83e-05	0.0	60.0	-1.71	2.16	-8.42e-04	1.19e-03	-5.05e-04	1.45
431	7	1.84	0.0	-9.12e-04	-0.51	0.0	-3.05	3.33	-1.45e-03	1.74e-03	0.0	0.0
		0.0	-8.70e-04	6.42e-05	0.0	60.0	-3.05	2.81	-1.45e-03	1.74e-03	-8.70e-04	1.84
431	8	4.29	0.0	-2.79e-03	-2.03	0.0	-1.83	8.16	-1.60e-03	4.96e-03	0.0	0.0
		0.0	-9.63e-04	-1.97e-04	0.0	60.0	-1.83	6.14	-1.60e-03	4.96e-03	-9.63e-04	4.29
431	9	1.27	0.0	-7.54e-04	-0.51	0.0	-1.07	2.37	-5.19e-04	7.50e-04	0.0	0.0
		0.0	-3.11e-04	-6.72e-05	0.0	60.0	-1.07	1.85	-5.19e-04	7.50e-04	-3.11e-04	1.27
431	10	3.60	0.0	-2.54e-03	-1.95	0.0	0.10	6.97	-6.66e-04	3.81e-03	0.0	0.0
		0.0	-4.00e-04	-3.16e-04	0.0	60.0	0.10	5.02	-6.66e-04	3.81e-03	-4.00e-04	3.60
431	11	1.53	0.0	-8.24e-04	-0.51	0.0	-1.96	2.80	-9.24e-04	1.12e-03	0.0	0.0
		0.0	-5.54e-04	-1.22e-05	0.0	60.0	-1.96	2.29	-9.24e-04	1.12e-03	-5.54e-04	1.53
431	12	3.16	0.0	-2.07e-03	-1.52	0.0	-1.15	6.02	-1.03e-03	3.26e-03	0.0	0.0
		0.0	-6.16e-04	-1.86e-04	0.0	60.0	-1.15	4.50	-1.03e-03	3.26e-03	-6.16e-04	3.16
431	13	0.88	5.36e-05	-6.48e-04	-0.51	0.0	0.27	1.72	8.93e-05	1.92e-04	0.0	0.0
		0.0	0.0	-1.50e-04	0.0	60.0	0.27	1.20	8.93e-05	1.92e-04	5.36e-05	0.88
431	14	2.04	9.34e-06	-1.54e-03	-1.23	0.0	0.85	4.02	1.56e-05	1.72e-03	0.0	0.0
		0.0	0.0	-2.74e-04	0.0	60.0	0.85	2.78	1.56e-05	1.72e-03	9.34e-06	2.04
431	15	1.01	0.0	-6.83e-04	-0.51	0.0	-0.18	1.93	-1.13e-04	3.78e-04	0.0	0.0
		0.0	-6.80e-05	-1.22e-04	0.0	60.0	-0.18	1.42	-1.13e-04	3.78e-04	-6.80e-05	1.01
431	16	1.70	0.0	-1.22e-03	-0.95	0.0	0.17	3.31	-1.58e-04	1.30e-03	0.0	0.0
		0.0	-9.46e-05	-1.97e-04	0.0	60.0	0.17	2.37	-1.58e-04	1.30e-03	-9.46e-05	1.70
431	17	0.88	5.36e-05	-6.48e-04	-0.51	0.0	0.27	1.72	8.93e-05	1.92e-04	0.0	0.0
		0.0	0.0	-1.50e-04	0.0	60.0	0.27	1.20	8.93e-05	1.92e-04	5.36e-05	0.88
431	18	1.58	2.70e-05	-1.18e-03	-0.95	0.0	0.62	3.10	4.51e-05	1.11e-03	0.0	0.0
		0.0	0.0	-2.24e-04	0.0	60.0	0.62	2.15	4.51e-05	1.11e-03	2.70e-05	1.58
431	27	1.48	0.0	-1.21e-03	-0.95	0.0	1.68	2.93	-0.96	-0.17	0.0	0.0
		0.0	-0.58	0.03	0.0	60.0	1.68	1.99	-0.96	-0.17	-0.58	1.48
431	30	1.67	0.58	-1.15e-03	-0.95	0.0	-0.44	3.26	0.96	0.18	0.0	0.0
		0.0	0.0	-0.03	0.0	60.0	-0.44	2.32	0.96	0.18	0.58	1.67
431	38	1.29	0.24	-1.19e-03	-0.95	0.0	-0.22	2.63	0.39	0.03	0.0	0.0
		0.0	0.0	-0.01	0.0	60.0	-0.22	1.68	0.39	0.03	0.24	1.29
431	47	2.04	0.0	-1.18e-03	-0.95	0.0	2.04	3.87	-0.40	-0.03	0.0	0.0
		0.0	-0.24	0.01	0.0	60.0	2.04	2.92	-0.40	-0.03	-0.24	2.04
431	49	2.14	0.10	-1.16e-03	-0.95	0.0	1.58	4.04	0.16	0.08	0.0	0.0
		0.0	0.0	-9.61e-03	0.0	60.0	1.58	3.10	0.16	0.08	0.10	2.14
431	50	1.11	0.24	-1.19e-03	-0.95	0.0	-0.80	2.33	0.40	0.03	0.0	0.0
		0.0	0.0	-0.01	0.0	60.0	-0.80	1.38	0.40	0.03	0.24	1.11
431	51	1.71	0.0	-1.19e-03	-0.95	0.0	0.53	3.33	-0.60	-0.11	0.0	0.0
		0.0	-0.36	0.02	0.0	60.0	0.53	2.38	-0.60	-0.11	-0.36	1.71
431	54	1.44	0.36	-1.18e-03	-0.95	0.0	0.71	2.87	0.60	0.11	0.0	0.0
		0.0	0.0	-0.02	0.0	60.0	0.71	1.92	0.60	0.11	0.36	1.44
431	70	1.35	0.16	-1.19e-03	-0.95	0.0	-0.07	2.72	0.26	0.02	0.0	0.0
		0.0	0.0	-6.88e-03	0.0	60.0	-0.07	1.77	0.26	0.02	0.16	1.35
431	79	1.96	0.0	-1.18e-03	-0.95	0.0	1.74	3.74	-0.25	-0.01	0.0	0.0
		0.0	-0.15	6.56e-03	0.0	60.0	1.74	2.79	-0.25	-0.01	-0.15	1.96
431	81	2.04	0.05	-1.16e-03	-0.95	0.0	1.41	3.87	0.08	0.05	0.0	0.0
		0.0	0.0	-5.54e-03	0.0	60.0	1.41	2.92	0.08	0.05	0.05	2.04
431	82	1.19	0.15	-1.19e-03	-0.95	0.0	-0.50	2.46	0.25	0.02	0.0	0.0
		0.0	0.0	-7.00e-03	0.0	60.0	-0.50	1.51	0.25	0.02	0.15	1.19
431	83	1.70	0.0	-1.19e-03	-0.95	0.0	0.55	3.30	-0.52	-0.09	0.0	0.0
		0.0	-0.31	0.02	0.0	60.0	0.55	2.36	-0.52	-0.09	-0.31	1.70
431	86	1.45	0.31	-1.18e-03	-0.95	0.0	0.69	2.89	0.52	0.09	0.0	0.0
		0.0	0.0	-0.02	0.0	60.0	0.69	1.95	0.52	0.09	0.31	1.45
431	102	1.37	0.14	-1.19e-03	-0.95	0.0	1.36e-03	2.76	0.23	0.01	0.0	0.0
		0.0	0.0	-6.03e-03	0.0	60.0	1.36e-03	1.81	0.23	0.01	0.14	1.37
431	111	1.92	0.0	-1.18e-03	-0.95	0.0	1.62	3.67	-0.22	-0.01	0.0	0.0
		0.0	-0.13	5.66e-03	0.0	60.0	1.62	2.72	-0.22	-0.01	-0.13	1.92

431	113	1.99	0.04	-1.16e-03	-0.95	0.0	1.32	3.78	0.07	0.05	0.0	0.0
		0.0	0.0	-4.80e-03	0.0	60.0	1.32	2.84	0.07	0.05	0.04	1.99
431	114	1.23	0.13	-1.19e-03	-0.95	0.0	-0.38	2.53	0.22	0.01	0.0	0.0
		0.0	0.0	-6.11e-03	0.0	60.0	-0.38	1.58	0.22	0.01	0.13	1.23
431	123	1.45	0.0	-1.22e-03	-0.95	0.0	1.88	2.89	-1.22	-0.22	0.0	0.0
		0.0	-0.73	0.04	0.0	60.0	1.88	1.95	-1.22	-0.22	-0.73	1.45
431	126	1.70	0.73	-1.15e-03	-0.95	0.0	-0.64	3.30	1.22	0.22	0.0	0.0
		0.0	0.0	-0.04	0.0	60.0	-0.64	2.36	1.22	0.22	0.73	1.70
431	134	1.24	0.30	-1.19e-03	-0.95	0.0	-0.36	2.55	0.50	0.04	0.0	0.0
		0.0	0.0	-0.01	0.0	60.0	-0.36	1.60	0.50	0.04	0.30	1.24
431	143	2.10	0.0	-1.18e-03	-0.95	0.0	2.26	3.97	-0.50	-0.04	0.0	0.0
		0.0	-0.30	0.01	0.0	60.0	2.26	3.02	-0.50	-0.04	-0.30	2.10
431	145	2.22	0.13	-1.15e-03	-0.95	0.0	1.71	4.18	0.21	0.10	0.0	0.0
		0.0	0.0	-0.01	0.0	60.0	1.71	3.23	0.21	0.10	0.13	2.22
431	146	1.05	0.30	-1.19e-03	-0.95	0.0	-1.02	2.23	0.50	0.04	0.0	0.0
		0.0	0.0	-0.01	0.0	60.0	-1.02	1.28	0.50	0.04	0.30	1.05
432	2	4.33	0.0	-3.83e-03	-2.83	0.0	3.87	8.63	-1.90e-03	3.42e-03	0.0	0.0
		0.0	-1.14e-03	2.24e-04	0.0	60.0	3.87	5.80	-1.90e-03	3.42e-03	-1.14e-03	4.33
432	3	1.47	0.0	-8.40e-04	-0.51	0.0	-1.69	2.71	-9.58e-04	1.47e-03	0.0	0.0
		0.0	-5.75e-04	1.18e-04	0.0	60.0	-1.69	2.19	-9.58e-04	1.47e-03	-5.75e-04	1.47
432	5	2.18	0.0	-1.14e-03	-0.67	0.0	-3.16	3.98	-1.53e-03	2.30e-03	0.0	0.0
		0.0	-9.19e-04	1.91e-04	0.0	60.0	-3.16	3.31	-1.53e-03	2.30e-03	-9.19e-04	2.18
432	6	4.13	0.0	-3.12e-03	-2.18	0.0	0.22	7.97	-2.14e-03	3.60e-03	0.0	0.0
		0.0	-1.28e-03	2.61e-04	0.0	60.0	0.22	5.79	-2.14e-03	3.60e-03	-1.28e-03	4.13
432	7	2.10	0.0	-9.89e-04	-0.51	0.0	-3.88	3.76	-1.45e-03	2.20e-03	0.0	0.0
		0.0	-8.72e-04	1.85e-04	0.0	60.0	-3.88	3.24	-1.45e-03	2.20e-03	-8.72e-04	2.10
432	9	1.12	0.0	-7.50e-04	-0.51	0.0	-0.48	2.13	-7.16e-04	1.10e-03	0.0	0.0
		0.0	-4.30e-04	8.48e-05	0.0	60.0	-0.48	1.62	-7.16e-04	1.10e-03	-4.30e-04	1.12
432	10	2.97	0.0	-2.64e-03	-1.95	0.0	2.74	5.93	-1.29e-03	2.33e-03	0.0	0.0
		0.0	-7.75e-04	1.52e-04	0.0	60.0	2.74	3.98	-1.29e-03	2.33e-03	-7.75e-04	2.97
432	11	1.54	0.0	-8.49e-04	-0.51	0.0	-1.95	2.83	-1.05e-03	1.59e-03	0.0	0.0
		0.0	-6.28e-04	1.29e-04	0.0	60.0	-1.95	2.32	-1.05e-03	1.59e-03	-6.28e-04	1.54
432	12	2.84	0.0	-2.17e-03	-1.52	0.0	0.31	5.49	-1.45e-03	2.45e-03	0.0	0.0
		0.0	-8.69e-04	1.76e-04	0.0	60.0	0.31	3.97	-1.45e-03	2.45e-03	-8.69e-04	2.84
432	13	0.49	0.0	-6.01e-04	-0.51	0.0	1.71	1.08	-2.21e-04	3.60e-04	0.0	0.0
		0.0	-1.33e-04	1.79e-05	0.0	60.0	1.71	0.57	-2.21e-04	3.60e-04	-1.33e-04	0.49
432	14	1.42	0.0	-1.55e-03	-1.23	0.0	3.32	2.98	-5.08e-04	9.79e-04	0.0	0.0
		0.0	-3.05e-04	5.13e-05	0.0	60.0	3.32	1.75	-5.08e-04	9.79e-04	-3.05e-04	1.42
432	15	0.70	0.0	-6.50e-04	-0.51	0.0	0.98	1.43	-3.86e-04	6.05e-04	0.0	0.0
		0.0	-2.32e-04	4.02e-05	0.0	60.0	0.98	0.92	-3.86e-04	6.05e-04	-2.32e-04	0.70
432	16	1.26	0.0	-1.22e-03	-0.95	0.0	1.95	2.57	-5.58e-04	9.77e-04	0.0	0.0
		0.0	-3.35e-04	6.03e-05	0.0	60.0	1.95	1.62	-5.58e-04	9.77e-04	-3.35e-04	1.26
432	17	0.49	0.0	-6.01e-04	-0.51	0.0	1.71	1.08	-2.21e-04	3.60e-04	0.0	0.0
		0.0	-1.33e-04	1.79e-05	0.0	60.0	1.71	0.57	-2.21e-04	3.60e-04	-1.33e-04	0.49
432	18	1.05	0.0	-1.17e-03	-0.95	0.0	2.68	2.22	-3.93e-04	7.32e-04	0.0	0.0
		0.0	-2.36e-04	3.80e-05	0.0	60.0	2.68	1.27	-3.93e-04	7.32e-04	-2.36e-04	1.05
432	27	3.35	0.0	-1.72e-03	-0.95	0.0	-5.34	6.06	-0.96	-0.17	0.0	0.0
		0.0	-0.58	0.03	0.0	60.0	-5.34	5.11	-0.96	-0.17	-0.58	3.35
432	30	0.0	0.58	-6.12e-04	-0.95	0.0	10.69	-1.62	0.96	0.18	0.0	0.0
		-1.25	0.0	-0.03	0.0	60.0	10.69	-2.56	0.96	0.18	0.58	-1.25
432	48	8.35	0.0	-2.95e-03	-0.95	0.0	-22.93	14.39	-0.16	-0.08	0.0	0.0
		0.0	-0.10	9.37e-03	0.0	60.0	-22.93	13.45	-0.16	-0.08	-0.10	8.35
432	49	0.0	0.10	6.10e-04	-0.95	0.0	28.29	-9.95	0.16	0.08	0.0	0.0
		-6.26	0.0	-9.29e-03	0.0	60.0	28.29	-10.90	0.16	0.08	0.10	-6.26
432	51	2.57	0.0	-1.54e-03	-0.95	0.0	-2.62	4.76	-0.60	-0.11	0.0	0.0
		0.0	-0.36	0.02	0.0	60.0	-2.62	3.81	-0.60	-0.11	-0.36	2.57
432	54	0.0	0.36	-8.00e-04	-0.95	0.0	7.98	-0.32	0.60	0.11	0.0	0.0
		-0.47	0.0	-0.02	0.0	60.0	7.98	-1.26	0.60	0.11	0.36	-0.47
432	80	6.62	0.0	-2.53e-03	-0.95	0.0	-16.87	11.51	-0.08	-0.05	0.0	0.0
		0.0	-0.05	5.31e-03	0.0	60.0	-16.87	10.56	-0.08	-0.05	-0.05	6.62
432	81	0.0	0.05	1.89e-04	-0.95	0.0	22.23	-7.06	0.08	0.05	0.0	0.0
		-4.52	0.0	-5.24e-03	0.0	60.0	22.23	-8.01	0.08	0.05	0.05	-4.52
432	83	2.40	0.0	-1.49e-03	-0.95	0.0	-2.00	4.46	-0.52	-0.09	0.0	0.0
		0.0	-0.31	0.02	0.0	60.0	-2.00	3.52	-0.52	-0.09	-0.31	2.40
432	86	0.0	0.31	-8.43e-04	-0.95	0.0	7.36	-0.02	0.52	0.09	0.0	0.0
		-0.30	0.0	-0.02	0.0	60.0	7.36	-0.97	0.52	0.09	0.31	-0.30
432	112	5.99	0.0	-2.37e-03	-0.95	0.0	-14.67	10.46	-0.07	-0.04	0.0	0.0
		0.0	-0.04	4.58e-03	0.0	60.0	-14.67	9.51	-0.07	-0.04	-0.04	5.99
432	113	0.0	0.04	5.40e-05	-0.95	0.0	20.03	-6.02	0.07	0.05	0.0	0.0
		-3.90	0.0	-4.50e-03	0.0	60.0	20.03	-6.97	0.07	0.05	0.04	-3.90
432	123	3.84	0.0	-1.84e-03	-0.95	0.0	-7.05	6.88	-1.22	-0.22	0.0	0.0
		0.0	-0.73	0.04	0.0	60.0	-7.05	5.93	-1.22	-0.22	-0.73	3.84
432	126	0.0	0.73	-4.93e-04	-0.95	0.0	12.41	-2.44	1.22	0.22	0.0	0.0
		-1.75	0.0	-0.04	0.0	60.0	12.41	-3.38	1.22	0.22	0.73	-1.75
432	144	9.75	0.0	-3.29e-03	-0.95	0.0	-27.79	16.72	-0.21	-0.10	0.0	0.0

		0.0	-0.13	0.01	0.0	60.0	-27.79	15.77	-0.21	-0.10	-0.13	9.75
432	145	0.0	0.13	9.49e-04	-0.95	0.0	33.15	-12.27	0.21	0.10	0.0	0.0
		-7.65	0.0	-0.01	0.0	60.0	33.15	-13.22	0.21	0.10	0.13	-7.65

Trave	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-38.75	-21.27	-0.08	-21.47	-167.46	-56.51	-33.98	-1.53
	40.73	21.73	0.08	8.47	151.32	53.35	31.58	1.38

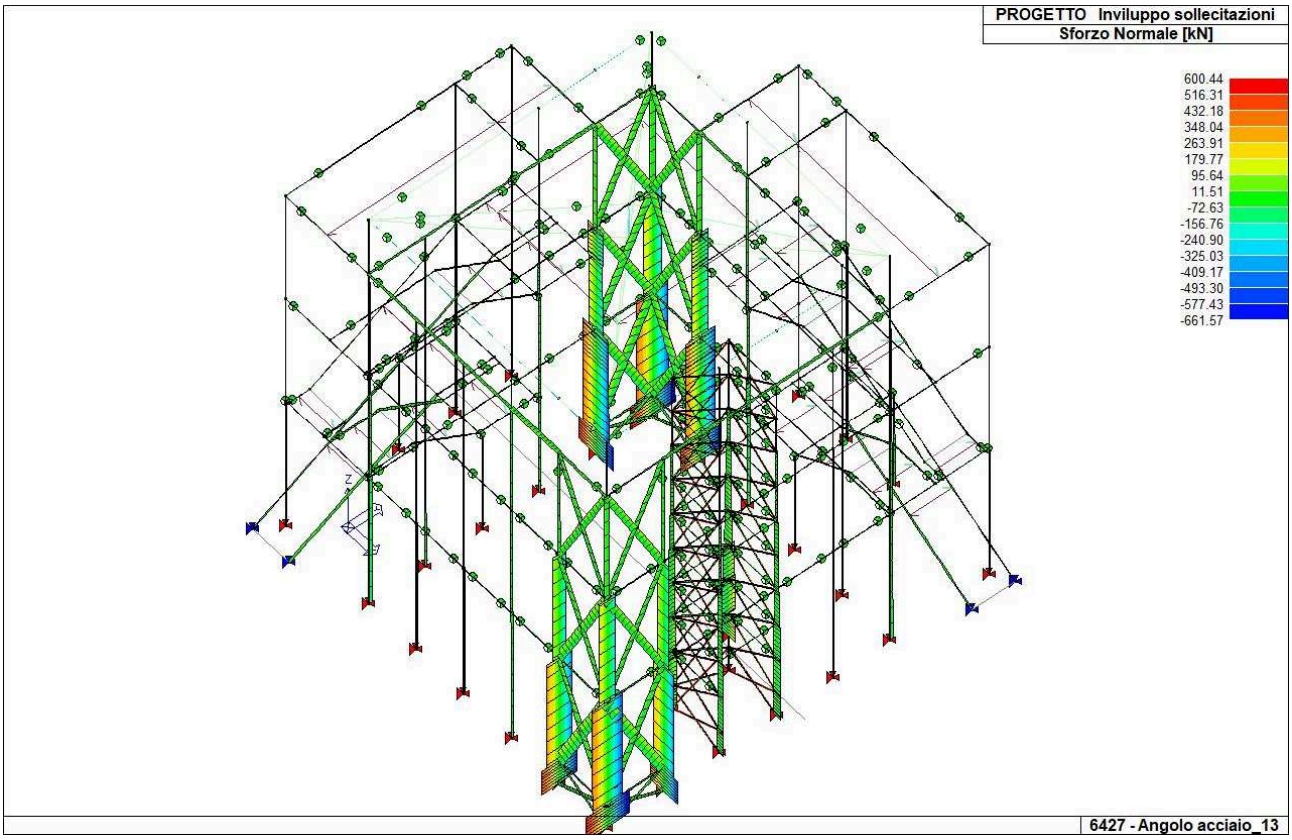


Figura 13: Inviluppo sforzo normale

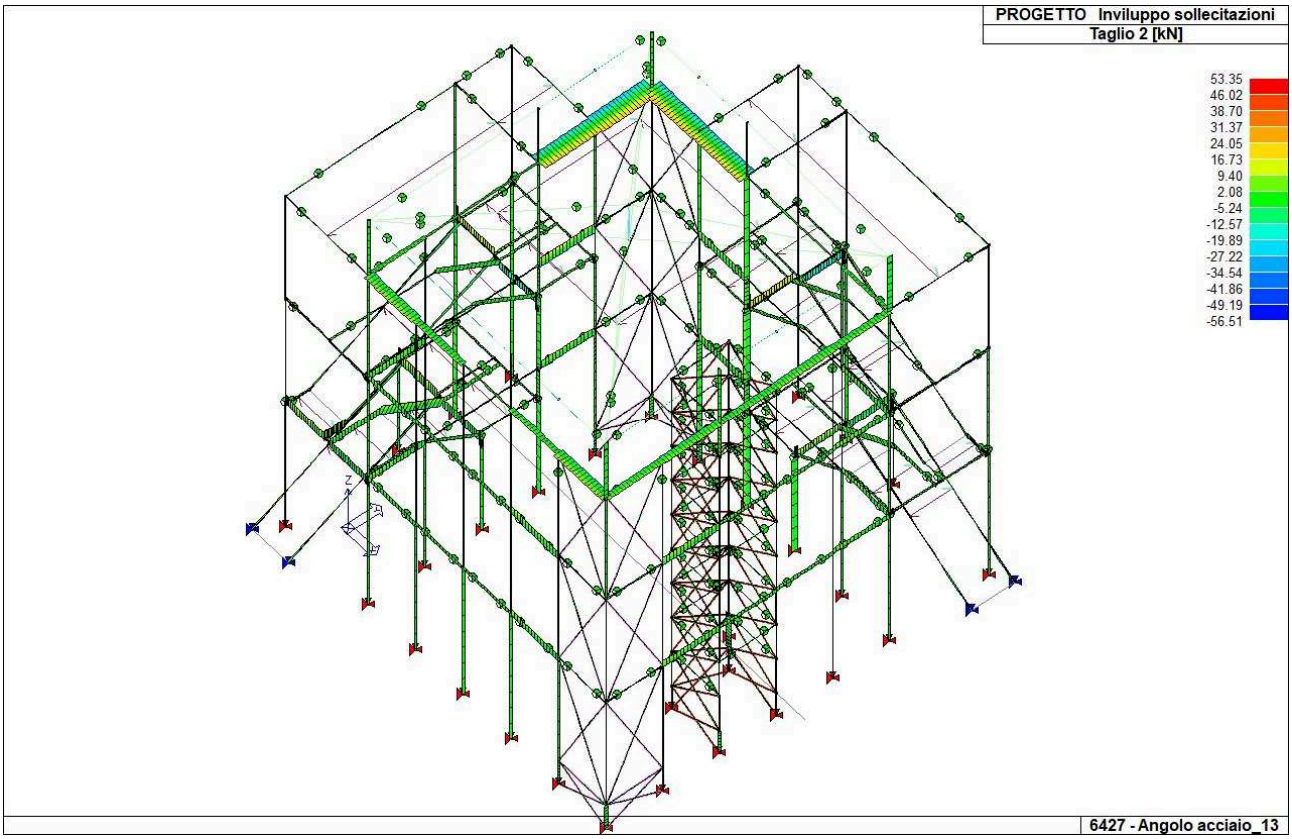


Figura 14: Inviluppo sforzo di taglio

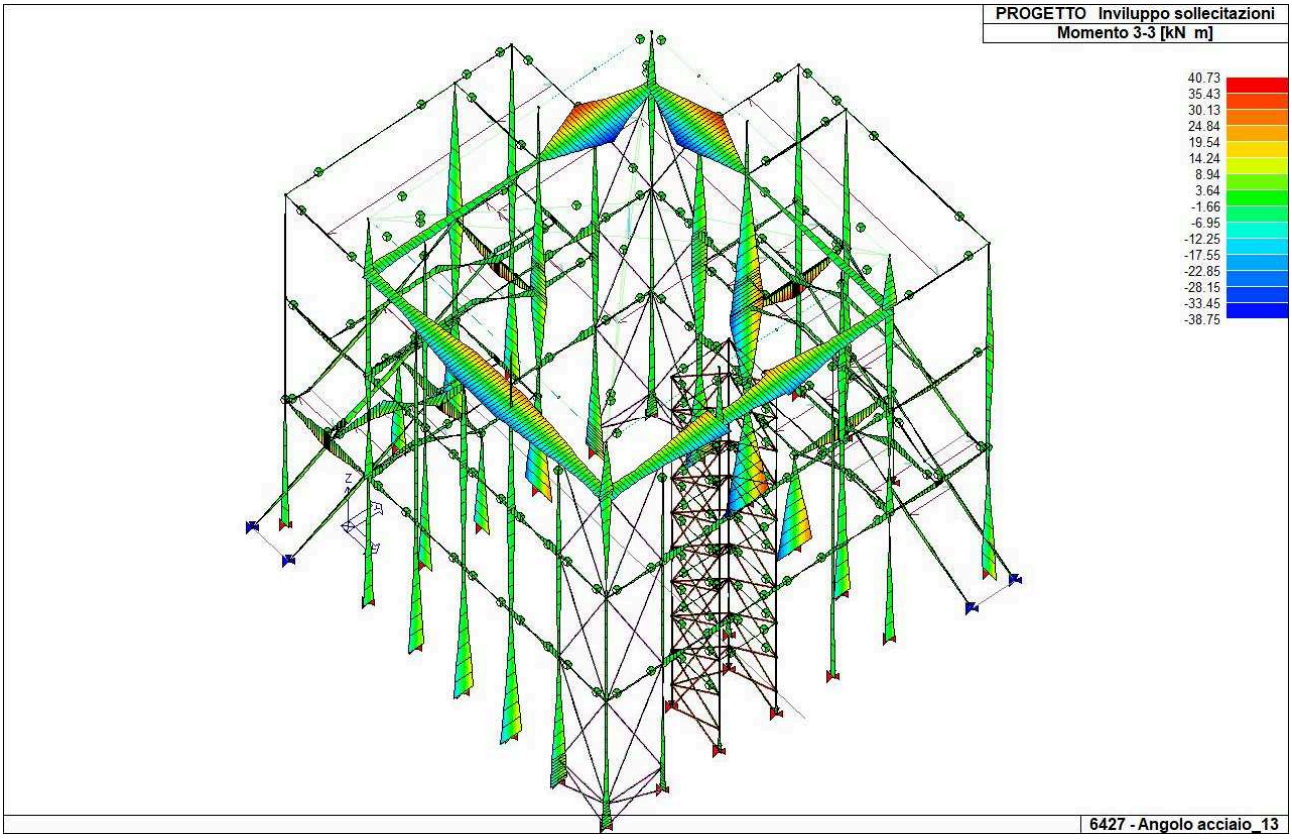


Figura 15: Inviluppo momento flettente

16 VERIFICHE PER ELEMENTI IN ACCIAIO

16.1 LEGENDA TABELLA VERIFICHE PER ELEMENTI IN ACCIAIO

Il programma consente la verifica dei seguenti tipi di elementi:

1. **aste** 2. **travi** 3. **pilastri**

L'esito delle verifiche è espresso con un codice come di seguito indicato

Ok: verifica con esito positivo

NV: verifica con esito negativo

Nr: verifica non richiesta.

Per comodità gli elementi vengono raggruppati in tabelle in relazione al tipo.

Ai fini delle verifiche (come da D.M. 17 Gennaio 2018 e circolare del 21 gennaio 2019) i tipi elementi differiscono per i seguenti aspetti:

Verifica		Aste	Travi	Pilastri
4.2.3.1	Classificazione	X	X	X
4.2.4.1.2.1	Trazione	X	X	X
4.2.4.1.2.2	Compressione	X	X	X
4.2.4.1.2.4	Taglio		X	X
4.2.4.1.2.5	Torsione		X	X
	Flessione, taglio e forza assiale		X	X
4.2.4.1.3.1	Aste compresse	X	X	X
4.2.4.1.3.2	Instabilità flesso-torsionale		X	X
4.2.4.1.3.3	Membrature inflesse e compresse		X	X

Ai fini delle verifiche per strutture dissipative (come da D.M. 17 Gennaio 2018 e circolare del 21 gennaio 2019) per strutture intelaiate e a controventi concentrici) si considerano le verifiche del capitolo 4 con azioni amplificate e le verifiche del capitolo 7:

Verifica		Travi	Pilastri
4.2.4.1.2.1	Trazione	X	X
4.2.4.1.2.2	Compressione	X	X
4.2.4.1.2.4	Taglio	X	X
4.2.4.1.2.5	Torsione	X	X
	Flessione, taglio e forza assiale	X	X
4.2.4.1.3.1	Aste compresse	X	X
4.2.4.1.3.2	Instabilità flesso-torsionale		X
7.5.3	Sfruttamento per momento	X	
7.5.4	Sfruttamento per sforzo normale	X	
7.5.5	Sfruttamento per taglio da capacità flessionale	X	
7.5.9	Sfruttamento per taglio amplificato		X

Viene inoltre riportata la verifica della "Gerarchia delle resistenze trave-colonna" per ogni colonna, considerando piede e testa in entrambe le direzioni globali X e Y.

L' insieme delle verifiche sopra riportate è condotto sugli elementi purché dotati di sezione idonea come da tabella seguente:

Azione		SEZIONI GENERICHE	PROFILI SEMPLICI	PROFILI ACCOPPIATI
4.2.3.1	Classificazione automatica	L, doppio T, C, rettangolare cava, circolare cava	Tutti	Da profilo semplice
4.2.3.1	Classificazione di default 2	Circolare		
4.2.3.1	Classificazione di default 3	restanti		
4.2.4.1.2.1	Trazione	si	si	si

4.2.4.1.2.2	Compressione	si	si	si
4.2.4.1.2.4	Taglio	si	si	si
4.2.4.1.2.5	Torsione	si	si	si
	Flessione, taglio e forza assiale	si	si	si
4.2.4.1.3.1	Aste compresse	si	si	per elementi ravvicinati e a croce o coppie calastrellate
4.2.4.1.3.2	Travi inflesse	doppio T simmetrica	doppio T	no

Le verifiche sono riportate in tabelle con il significato sotto indicato; le verifiche sono espresse dal rapporto tra l' azione di progetto e la capacità ultima, pertanto la verifica ha esito positivo per rapporti non superiori all' unità.

Asta **Trave** **Pilastro**	numero dell'elemento
Stato	codice di verifica per resistenza, stabilità, svergolamento
Note	sezione e materiali adottati per l'elemento
V N	(ASTE) verifica come da par. 4.2.4.1.2 per punto (4.2.6) e (4.2.10)
V V/T	(TRAVI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni taglio-torsione (4.2.16 e 4.2.28)
V N/M	(TRAVI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni composte (4.2.33) con riduzione per taglio (4.2.40) ove richiesto
N M3 M2 V2 V3 T	sollecitazioni di interesse per la verifica
V stab	(ASTE) verifica come da par. 4.2.4.1.3.1 per punto (4.2.41)
V stab	(TRAVI E PILASTRI) verifica come da par. 4.2.4.1.3 per punti (C4.2.32) o (C4.2.36) (membrature inflesse e compresse senza/con presenza di instabilità flesso-torsionale)
BetaxL B22xL B33xL	lunghezze libere di inflessione (se indicato riferiti al piano di normale 22 o 33 rispettivamente)
Snellezza	snellezza massima
Classe	classe del profilo
Chi mn	coefficiente di riduzione (della capacità) per la modalità di instabilità pertinente
Rif. cmb	combinazioni in cui si sono rispettivamente attinti i valori di verifica più elevati
V flst	(TRAVI E PILASTRI) verifica di stabilità come da par. 4.2.4.1.3.2 per punto (4.2.48)
B1-1 x L	Beta1-1 x L: interasse tra i ritegni torsionali
Chi LT	coefficiente di riduzione (della capacità) per la modalità di instabilità flesso-torsionale
Snell adim	Valore della snellezza adimensionale, utilizzato per il controllo previsto al par. 7.5.5
v.Omeg	Valore del rapporto capacità/domanda per l' azione di interesse (momento per travi e azione assiale per aste) utilizzato per l' amplificazione delle azioni
f.Om. N	Fattore di amplificazione delle azioni assiali per travi e colonne (prodotto di 1.1 x Omega x gamma rd materiale); utilizzato come specificato al par. 7.5.5
f.Om. T	Fattore di amplificazione delle azioni (assiali, flettenti e taglianti) per colonne (prodotto di 1.1 x Omega x gamma rd materiale); utilizzato come specificato al par. 7.5.4
V.7.5.4 M Ed	Verifica come prevista al punto 7.5.4 e valore dell' azione flettente
V.7.5.5 N Ed	Verifica come prevista al punto 7.5.5 e valore dell' azione assiale
V.7.5.6 V Ed,G V Ed,M	Verifica come prevista al punto 7.5.6 e valore dei tagli dovuti ai carichi e alla capacità
V.7.5.10 V Ed	Verifica come prevista al punto 7.5.10 e valore dell' azione di taglio
sovr. Xi (Xf, Yi, Yf)	Valore della sovraresistenza come prevista al par. 7.5.4.2 (i valori non sono normalizzati pertanto saranno maggiori uguali a gamma rd in base alla classe di duttilità)

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

Test N°	Titolo
56	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
57	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
58	LUCE LIBERA DI COLONNE IN ACCIAIO
59	SVERGOLAMENTO DI TRAVI IN ACCIAIO
61	ACCIAIO D.M. 2008
63	GERARCHIA RESISTENZE STRUTTURE IN ACCIAIO
64	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	VALUTAZIONE EFFETTO P-¤ SU PILASTRATA
74	VALUTAZIONE EFFETTO P-¤ SU TELAIO 3D

Asta	Stato	Note	V N	N	V stab	N	Cl.	Beta x L	Snell.	LambDaS	Chi mn	v.Omeg	Rif. cmb
				kN		kN		cm					
2	ok	s=7,m=12	0.11	-95.4	0.44	-95.4	1	315.2	147.0	1.69	0.26	0.0	120,120

3	ok s=7,m=12	0.14	-114.3	0.52	-114.3	1	315.2	147.0	1.69	0.26	0.0	118,118
4	ok s=7,m=12	0.10	-83.5	0.38	-83.5	1	315.2	147.0	1.69	0.26	0.0	120,120
5	ok s=7,m=12	0.10	-83.5	0.38	-83.5	1	315.2	147.0	1.69	0.26	0.0	122,122
6	ok s=7,m=12	0.10	-84.6	0.39	-84.6	1	315.2	147.0	1.69	0.26	0.0	134,134
7	ok s=7,m=12	0.10	-85.8	0.39	-85.8	1	315.2	147.0	1.69	0.26	0.0	131,131
8	ok s=7,m=12	0.10	-85.7	0.39	-85.7	1	315.2	147.0	1.69	0.26	0.0	136,136
9	ok s=7,m=12	0.11	-96.6	0.44	-96.6	1	315.2	147.0	1.69	0.26	0.0	131,131
10	ok s=7,m=12	0.11	-95.6	0.44	-95.6	1	315.2	147.0	1.69	0.26	0.0	125,125
11	ok s=7,m=12	0.17	-145.4	0.66	-145.4	1	315.2	147.0	1.69	0.26	0.0	127,127
12	ok s=7,m=12	0.12	-98.6	0.45	-98.6	1	315.2	147.0	1.69	0.26	0.0	125,125
13	ok s=7,m=12	0.13	-111.7	0.51	-111.7	1	315.2	147.0	1.69	0.26	0.0	127,127
14	ok s=7,m=12	0.13	-105.6	0.48	-105.6	1	315.2	147.0	1.69	0.26	0.0	143,143
15	ok s=7,m=12	0.14	-114.1	0.52	-114.1	1	315.2	147.0	1.69	0.26	0.0	146,146
16	ok s=7,m=12	0.16	-136.7	0.62	-136.7	1	315.2	147.0	1.69	0.26	0.0	146,146
17	ok s=7,m=12	0.14	-114.2	0.52	-114.2	1	315.2	147.0	1.69	0.26	0.0	120,120
18	ok s=7,m=12	0.18	-149.7	0.68	-149.7	1	315.2	147.0	1.69	0.26	0.0	118,118
19	ok s=7,m=12	0.15	-129.8	0.59	-129.8	1	315.2	147.0	1.69	0.26	0.0	115,115
20	ok s=7,m=12	0.13	-110.7	0.51	-110.7	1	315.2	147.0	1.69	0.26	0.0	136,136
21	ok s=7,m=12	0.06	-47.2			1	143.1	66.8	0.77	0.68	0.0	131,0
22	ok s=7,m=12	0.06	-47.1			1	143.1	66.8	0.77	0.68	0.0	136,0
23	ok s=7,m=12	0.06	-51.8			1	143.1	66.8	0.77	0.68	0.0	120,0
24	ok s=7,m=12	0.07	-54.8			1	143.1	66.8	0.77	0.68	0.0	122,0
25	ok s=7,m=12	0.12	-99.8	0.46	-99.8	1	315.2	147.0	1.69	0.26	0.0	125,125
26	ok s=7,m=12	0.19	-163.9	0.75	-163.9	1	315.2	147.0	1.69	0.26	0.0	130,130
27	ok s=7,m=12	0.14	-116.3	0.53	-116.3	1	315.2	147.0	1.69	0.26	0.0	145,145
28	ok s=7,m=12	0.20	-167.0	0.76	-167.0	1	315.2	147.0	1.69	0.26	0.0	127,127
29	ok s=7,m=12	0.06	-47.4			1	143.1	66.8	0.77	0.68	0.0	125,0
30	ok s=7,m=12	0.06	-53.6			1	143.1	66.8	0.77	0.68	0.0	145,0
31	ok s=7,m=12	0.07	-58.6			1	143.1	66.8	0.77	0.68	0.0	146,0
32	ok s=7,m=12	0.07	-57.5			1	143.1	66.8	0.77	0.68	0.0	127,0
33	ok s=7,m=12	0.04	37.3			1	128.0	59.7	0.69	0.73	0.0	143,0
34	ok s=7,m=12	0.04	36.7			1	128.0	59.7	0.69	0.73	0.0	130,0
35	ok s=7,m=12	0.03	29.2			1	128.0	59.7	0.69	0.73	0.0	134,0
36	ok s=7,m=12	0.04	32.2			1	128.0	59.7	0.69	0.73	0.0	119,0
37	ok s=9,m=12	0.03	-9.8	0.07	-9.8	1	160.0	109.0	1.26	0.41	0.0	120,120
38	ok s=9,m=12	0.02	-8.8			1	160.0	109.0	1.26	0.41	0.0	121,0
39	ok s=9,m=12	0.03	-11.4	0.08	-11.4	1	160.0	109.0	1.26	0.41	0.0	126,126
40	ok s=9,m=12	0.03	-10.6	0.07	-10.6	1	160.0	109.0	1.26	0.41	0.0	115,115
41	ok s=9,m=12	0.04	-12.5	0.09	-12.5	1	160.0	109.0	1.26	0.41	0.0	132,132
42	ok s=9,m=12	0.04	12.6	0.09	-12.4	1	160.0	109.0	1.26	0.41	0.0	136,137
43	ok s=7,m=12	0.12	-101.0	0.46	-101.0	1	315.2	147.0	1.69	0.26	0.0	145,145
44	ok s=9,m=12	0.02	-7.0			1	160.0	109.0	1.26	0.41	0.0	120,0
45	ok s=9,m=12	0.02	-5.4			1	160.0	109.0	1.26	0.41	0.0	121,0
46	ok s=9,m=12	0.03	-11.4	0.08	-11.4	1	160.0	109.0	1.26	0.41	0.0	126,126
47	ok s=9,m=12	0.03	-11.5	0.08	-11.5	1	160.0	109.0	1.26	0.41	0.0	115,115
48	ok s=9,m=12	0.04	-13.2	0.09	-13.2	1	160.0	109.0	1.26	0.41	0.0	136,136
49	ok s=9,m=12	0.04	13.2	0.09	-12.8	1	160.0	109.0	1.26	0.41	0.0	136,137
50	ok s=9,m=12	0.02	-6.9			1	160.0	109.0	1.26	0.41	0.0	120,0
51	ok s=9,m=12	0.02	-7.2			1	160.0	109.0	1.26	0.41	0.0	121,0
52	ok s=9,m=12	0.03	-11.9	0.08	-11.9	1	160.0	109.0	1.26	0.41	0.0	126,126
53	ok s=9,m=12	0.03	-11.4	0.08	-11.4	1	160.0	109.0	1.26	0.41	0.0	115,115
54	ok s=9,m=12	0.04	-13.4	0.09	-13.4	1	160.0	109.0	1.26	0.41	0.0	132,132
55	ok s=9,m=12	0.04	13.7	0.09	-13.4	1	160.0	109.0	1.26	0.41	0.0	136,137
56	ok s=9,m=12	0.03	-9.8	0.07	-9.8	1	160.0	109.0	1.26	0.41	0.0	120,120
57	ok s=9,m=12	0.03	-9.5	0.07	-9.5	1	160.0	109.0	1.26	0.41	0.0	121,121
58	ok s=9,m=12	0.04	-13.4	0.09	-13.4	1	160.0	109.0	1.26	0.41	0.0	125,125
59	ok s=9,m=12	0.04	-12.7	0.09	-12.7	1	160.0	109.0	1.26	0.41	0.0	123,123
60	ok s=9,m=12	0.05	-16.4	0.11	-16.4	1	160.0	109.0	1.26	0.41	0.0	132,132
61	ok s=9,m=12	0.05	17.0	0.12	-16.9	1	160.0	109.0	1.26	0.41	0.0	136,137
62	ok s=9,m=12	0.03	-10.3	0.07	-10.3	1	160.0	109.0	1.26	0.41	0.0	120,120
63	ok s=9,m=12	0.03	-9.9	0.07	-9.9	1	160.0	109.0	1.26	0.41	0.0	121,121
64	ok s=9,m=12	0.04	-13.7	0.09	-13.7	1	160.0	109.0	1.26	0.41	0.0	125,125
65	ok s=9,m=12	0.04	-13.3	0.09	-13.3	1	160.0	109.0	1.26	0.41	0.0	123,123
66	ok s=9,m=12	0.05	-17.0	0.12	-17.0	1	160.0	109.0	1.26	0.41	0.0	136,136
67	ok s=9,m=12	0.05	17.1	0.12	-16.7	1	160.0	109.0	1.26	0.41	0.0	136,137
68	ok s=9,m=12	0.03	-10.9	0.08	-10.9	1	160.0	109.0	1.26	0.41	0.0	120,120
69	ok s=9,m=12	0.03	-10.2	0.07	-10.2	1	160.0	109.0	1.26	0.41	0.0	121,121
70	ok s=9,m=12	0.04	-14.3	0.10	-14.3	1	160.0	109.0	1.26	0.41	0.0	125,125
71	ok s=9,m=12	0.04	-13.3	0.09	-13.3	1	160.0	109.0	1.26	0.41	0.0	123,123
72	ok s=9,m=12	0.05	-16.9	0.12	-16.9	1	160.0	109.0	1.26	0.41	0.0	132,132
73	ok s=9,m=12	0.05	17.5	0.12	-17.2	1	160.0	109.0	1.26	0.41	0.0	136,137
74	ok s=9,m=12	0.03	-12.0	0.08	-12.0	1	160.0	109.0	1.26	0.41	0.0	120,120
75	ok s=9,m=12	0.03	-11.4	0.08	-11.4	1	160.0	109.0	1.26	0.41	0.0	121,121
76	ok s=9,m=12	0.04	-14.3	0.10	-14.3	1	160.0	109.0	1.26	0.41	0.0	125,125
77	ok s=9,m=12	0.04	-14.2	0.10	-14.2	1	160.0	109.0	1.26	0.41	0.0	123,123

78	ok	s=9,m=12	0.05	-18.4	0.13	-18.4	1	160.0	109.0	1.26	0.41	0.0	132,132
79	ok	s=9,m=12	0.05	-18.1	0.13	-18.1	1	160.0	109.0	1.26	0.41	0.0	137,137
80	ok	s=9,m=12	0.03	-12.0	0.08	-12.0	1	160.0	109.0	1.26	0.41	0.0	120,120
81	ok	s=9,m=12	0.03	-11.5	0.08	-11.5	1	160.0	109.0	1.26	0.41	0.0	121,121
82	ok	s=9,m=12	0.05	-16.9	0.12	-16.9	1	160.0	109.0	1.26	0.41	0.0	125,125
83	ok	s=9,m=12	0.04	-14.3	0.10	-14.3	1	160.0	109.0	1.26	0.41	0.0	123,123
84	ok	s=9,m=12	0.05	-17.6	0.12	-17.6	1	160.0	109.0	1.26	0.41	0.0	136,136
85	ok	s=9,m=12	0.06	21.8	0.15	-21.5	1	160.0	109.0	1.26	0.41	0.0	136,137
86	ok	s=9,m=12	0.04	-12.7	0.09	-12.7	1	160.0	109.0	1.26	0.41	0.0	120,120
87	ok	s=9,m=12	0.03	-11.5	0.08	-11.5	1	160.0	109.0	1.26	0.41	0.0	121,121
88	ok	s=9,m=12	0.04	-13.4	0.09	-13.4	1	160.0	109.0	1.26	0.41	0.0	125,125
89	ok	s=9,m=12	0.02	-7.5			1	160.0	109.0	1.26	0.41	0.0	124,0
90	ok	s=9,m=12	0.03	-8.8			1	160.0	109.0	1.26	0.41	0.0	136,0
91	ok	s=9,m=12	0.05	17.9	0.12	-17.5	1	160.0	109.0	1.26	0.41	0.0	136,137
92	ok	s=9,m=12	7.32e-03	2.6			1	143.1	97.5	1.12	0.47	0.0	137,0
93	ok	s=9,m=12	9.41e-03	-3.3			1	143.1	97.5	1.12	0.47	0.0	125,0
94	ok	s=9,m=12	0.02	-7.0			1	143.1	97.5	1.12	0.47	0.0	121,0
95	ok	s=9,m=12	0.02	-7.6			1	143.1	97.5	1.12	0.47	0.0	120,0
96	ok	s=9,m=12	8.50e-03	3.0			1	143.1	97.5	1.12	0.47	0.0	137,0
97	ok	s=9,m=12	0.02	5.9			1	143.1	97.5	1.12	0.47	0.0	136,0

Asta		V N	N	V stab	N	Beta x L	Snell.	LambDaS	Chi mn	v.Omeg	
			-167.01		-167.01			0.69	0.26	0.0	
		0.20	37.33	0.76		315.16	147.01	1.69		0.0	

Trave	Stato	Note	V V/T	V N/M	V stab	Cl.	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT	Rif. cmb
130	ok	s=2,m=12	0.24	0.04		1					0.03	7.32e-03	1.00	125,2,0,2
131	ok	s=2,m=12	4.37e-03	0.10		1					0.03	2.05e-02	1.00	2,124,0,125
133	ok	s=2,m=12	0.02	0.03		1					0.03	0.3	1.00	2,1,0,1
136	ok	s=2,m=12	0.02	0.03		1					0.03	0.3	1.00	6,6,0,1
139	ok	s=2,m=12	8.80e-03	0.06		1					0.03	0.4	1.00	144,115,0,144
140	ok	s=2,m=12	0.01	0.08		1					0.03	0.2	1.00	125,124,0,125
142	ok	s=2,m=12	7.67e-03	0.04		1					0.02	0.4	1.00	144,115,0,144
143	ok	s=2,m=12	0.01	0.10		1					0.03	0.2	1.00	125,124,0,125
148	ok	s=2,m=12	6.50e-03	0.07		1					0.04	0.2	1.00	137,140,0,133
149	ok	s=2,m=12	0.03	0.06		1					0.05	0.2	1.00	120,120,0,120
150	ok	s=2,m=12	0.02	0.05		1					0.03	0.2	1.00	120,120,0,120
151	ok	s=2,m=12	0.02	0.05		1					0.03	0.2	1.00	120,121,0,121
152	ok	s=2,m=12	0.04	0.07		1					0.06	0.2	1.00	120,116,0,120
153	ok	s=2,m=12	0.01	0.03		1					0.01	0.2	1.00	2,115,0,122
154	ok	s=2,m=12	0.01	0.03		1					0.01	0.2	1.00	6,135,0,131
155	ok	s=2,m=12	0.04	0.07		1					0.06	0.2	1.00	136,133,0,136
156	ok	s=2,m=12	0.02	0.05		1					0.03	0.2	1.00	136,137,0,137
157	ok	s=2,m=12	0.02	0.04		1					0.03	0.2	1.00	136,137,0,136
158	ok	s=2,m=12	0.03	0.06		1					0.05	0.2	1.00	136,136,0,136
159	ok	s=2,m=12	0.03	0.07		1					0.05	0.2	1.00	125,124,0,124
160	ok	s=2,m=12	0.03	0.26		1					0.06	0.2	1.00	2,124,0,2
161	ok	s=2,m=12	0.02	0.28		1					0.06	2.14e-02	1.00	125,124,0,124
162	ok	s=2,m=12	0.04	0.09		1					0.07	0.2	1.00	124,115,0,125
163	ok	s=2,m=12	0.01	0.06	0.10	1	1.8	0.2	158.0	0.23	0.02	0.2	1.00	115,125,130,127
164	ok	s=2,m=12	0.03	0.06		1					0.05	0.2	1.00	145,144,0,144
167	ok	s=2,m=12	0.04	0.07		1					0.07	0.2	1.00	144,145,0,145
168	ok	s=2,m=12	0.01	0.04	0.10	1	1.8	0.2	158.0	0.23	0.02	0.2	1.00	2,133,127,146
169	ok	s=2,m=12	0.03	0.08		1					0.05	0.2	1.00	120,120,0,120
170	ok	s=2,m=12	0.03	0.07		1					0.03	0.2	1.00	120,140,0,120
171	ok	s=2,m=12	0.03	0.07		1					0.03	0.2	1.00	120,132,0,120
172	ok	s=2,m=12	0.04	0.09		1					0.07	0.2	1.00	120,116,0,120
173	ok	s=2,m=12	0.01	0.05		1					0.02	0.2	1.00	140,115,0,120
174	ok	s=2,m=12	0.01	0.04		1					0.02	0.2	1.00	136,134,0,136
175	ok	s=2,m=12	0.04	0.13		1					0.07	0.2	1.00	136,132,0,136
176	ok	s=2,m=12	0.02	0.06		1					0.03	0.2	1.00	136,137,0,137
177	ok	s=2,m=12	0.03	0.06		1					0.03	0.2	1.00	132,137,0,131
178	ok	s=2,m=12	0.03	0.08		1					0.05	0.2	1.00	136,136,0,136
179	ok	s=2,m=12	0.03	0.10		1					0.05	0.2	1.00	125,137,0,125
180	ok	s=2,m=12	0.03	0.28		1					0.06	0.2	1.00	2,124,0,124
181	ok	s=2,m=12	0.21	0.04		1					9.48e-03	7.32e-03	1.00	124,124,0,2
182	ok	s=2,m=12	0.04	0.11		1					0.07	0.2	1.00	124,115,0,124
183	ok	s=2,m=12	0.01	0.08		1					0.03	0.2	1.00	125,133,0,125
184	ok	s=2,m=12	0.04	0.08		1					0.06	0.2	1.00	145,121,0,145
186	ok	s=2,m=12	0.05	0.02		1					0.01	7.32e-03	1.00	2,2,0,2
187	ok	s=2,m=12	0.05	0.10		1					0.08	0.2	1.00	144,140,0,144
188	ok	s=2,m=12	0.01	0.05		1					0.02	0.2	1.00	2,133,0,145
189	ok	s=2,m=12	0.03	0.10		1					0.07	0.1	1.00	140,140,0,140

190	ok	s=2,m=12	0.02	0.18	1	0.14	9.58e-02	1.00	137,141,0,137
191	ok	s=2,m=12	0.01	0.27	1	0.15	0.1	1.00	120,140,0,136
192	ok	s=2,m=12	0.03	0.40	1	0.15	0.1	1.00	120,121,0,136
193	ok	s=2,m=12	0.03	0.28	1	0.10	0.1	1.00	135,120,0,136
194	ok	s=2,m=12	0.02	0.25	1	0.07	0.1	1.00	132,136,0,136
195	ok	s=2,m=12	0.03	0.26	1	0.14	0.1	1.00	116,136,0,132
196	ok	s=2,m=12	0.02	0.15	1	0.12	0.1	1.00	118,136,0,118
197	ok	s=2,m=12	0.03	0.17	1	0.15	0.1	1.00	118,118,0,118
198	ok	s=2,m=12	0.02	0.13	1	0.06	0.1	1.00	118,136,0,118
199	ok	s=2,m=12	0.01	0.11	1	0.05	9.56e-02	1.00	133,125,0,145
200	ok	s=2,m=12	0.26	0.04	1	0.01	7.32e-03	1.00	124,2,0,2
201	ok	s=2,m=12	0.03	0.18	1	0.07	0.2	1.00	2,2,0,2
202	ok	s=2,m=12	0.06	0.37	1	0.23	0.1	1.00	115,126,0,115
203	ok	s=2,m=12	0.07	0.29	1	0.23	9.61e-02	1.00	135,126,0,115
206	ok	s=2,m=12	8.47e-03	0.05	1	0.04	0.2	1.00	115,115,0,115
208	ok	s=2,m=12	0.07	0.29	1	0.23	9.65e-02	1.00	118,118,0,118
211	ok	s=2,m=12	0.05	0.22	1	0.16	9.11e-02	1.00	2,2,0,2
213	ok	s=2,m=12	0.01	0.10	1	0.03	0.2	1.00	125,124,0,125
214	ok	s=2,m=12	0.01	6.86e-03	1	2.82e-03	7.32e-03	1.00	124,125,0,124
216	ok	s=2,m=12	0.14	0.04	1	0.03	7.32e-03	1.00	2,2,0,2
219	ok	s=2,m=12	0.01	4.10e-03	1	1.51e-03	0.2	1.00	133,115,0,2
220	ok	s=2,m=12	0.03	0.18	1	0.07	0.2	1.00	2,2,0,2
221	ok	s=2,m=12	8.11e-03	0.01	1	0.01	0.5	0.99	118,1,0,1
222	ok	s=2,m=12	0.08	0.24	1	0.24	9.09e-02	1.00	2,2,0,2
224	ok	s=2,m=12	0.02	0.02	1	4.76e-03	7.32e-03	1.00	125,125,0,125
225	ok	s=2,m=12	7.72e-03	0.09	1	0.02	0.4	1.00	124,134,0,124
226	ok	s=2,m=12	8.14e-03	0.07	1	0.02	0.4	1.00	118,134,0,124
240	ok	s=2,m=12	9.80e-03	0.01	1	0.01	0.3	1.00	125,123,0,1
241	ok	s=2,m=12	0.01	0.02	1	0.02	0.3	1.00	2,1,0,1
250	ok	s=2,m=12	0.01	0.17	1	9.10e-03	0.2	1.00	136,136,0,116
251	ok	s=2,m=12	0.01	0.12	1	2.00e-03	0.2	1.00	132,132,0,115
252	ok	s=2,m=12	7.47e-03	0.07	1	2.76e-03	0.2	1.00	132,132,0,136
253	ok	s=2,m=12	3.73e-03	0.07	1	2.23e-03	0.2	1.00	136,136,0,120
255	ok	s=2,m=12	2.86e-03	0.05	1	3.18e-03	0.2	1.00	126,134,0,123
256	ok	s=2,m=12	2.67e-03	0.03	1	2.80e-03	0.2	1.00	120,132,0,120
257	ok	s=6,m=12	0.01	0.02	1	3.85e-03	0.2	1.00	136,132,0,1
258	ok	s=2,m=12	3.04e-03	0.02	1	3.60e-03	0.2	1.00	126,131,0,123
276	ok	s=2,m=12	0.12	0.03	1	0.03	7.32e-03	1.00	2,2,0,2
277	ok	s=2,m=12	0.05	0.23	1	0.16	9.18e-02	1.00	125,125,0,2
278	ok	s=2,m=12	0.06	0.23	1	0.16	2.14e-02	1.00	125,125,0,2
279	ok	s=2,m=12	0.08	0.28	1	0.24	9.11e-02	1.00	2,2,0,2
280	ok	s=2,m=12	0.04	0.28	1	0.24	2.11e-02	1.00	2,2,0,2
281	ok	s=2,m=12	7.25e-03	0.10	1	0.03	2.06e-02	1.00	125,124,0,125
282	ok	s=2,m=12	0.01	0.10	1	0.03	0.2	1.00	125,124,0,125
283	ok	s=2,m=12	0.01	0.02	1	2.03e-03	7.32e-03	1.00	128,128,0,125
289	ok	s=6,m=12	0.02	6.19e-03	1	3.85e-03	0.2	1.00	136,137,0,1
290	ok	s=6,m=12	7.15e-03	5.09e-03	1	3.85e-03	0.2	1.00	136,117,0,1
291	ok	s=6,m=12	0.02	0.01	1	3.85e-03	0.2	1.00	136,117,0,1
292	ok	s=6,m=12	7.54e-03	0.01	1	3.85e-03	0.2	1.00	136,119,0,1
293	ok	s=6,m=12	0.01	7.26e-03	1	3.85e-03	0.2	1.00	136,137,0,1
294	ok	s=6,m=12	6.72e-03	6.63e-03	1	3.85e-03	0.2	1.00	136,118,0,1
295	ok	s=6,m=12	0.01	7.98e-03	1	3.85e-03	0.2	1.00	136,132,0,1
297	ok	s=6,m=12	0.01	0.01	1	3.85e-03	0.2	1.00	136,137,0,1
298	ok	s=6,m=12	6.14e-03	0.01	1	3.85e-03	0.2	1.00	136,117,0,1
299	ok	s=6,m=12	0.02	9.77e-03	1	3.85e-03	0.2	1.00	136,136,0,1
300	ok	s=6,m=12	6.35e-03	6.31e-03	1	3.85e-03	0.2	1.00	136,136,0,1
301	ok	s=6,m=12	0.02	0.01	1	3.85e-03	0.2	1.00	136,137,0,1
302	ok	s=6,m=12	4.37e-03	0.01	1	3.85e-03	0.2	1.00	136,118,0,1
303	ok	s=6,m=12	0.02	0.01	1	3.85e-03	0.2	1.00	136,132,0,1
305	ok	s=6,m=12	8.81e-03	0.02	1	3.85e-03	0.2	1.00	136,137,0,1
306	ok	s=6,m=12	3.30e-03	0.02	1	3.85e-03	0.2	1.00	136,137,0,1
307	ok	s=6,m=12	9.12e-03	0.02	1	3.85e-03	0.2	1.00	136,136,0,1
308	ok	s=6,m=12	3.62e-03	6.62e-03	1	3.85e-03	0.2	1.00	136,136,0,1
309	ok	s=6,m=12	9.03e-03	0.02	1	3.85e-03	0.2	1.00	136,115,0,1
357	ok	s=2,m=12	0.11	0.02	1	0.02	7.32e-03	1.00	2,2,0,2
358	ok	s=2,m=12	0.06	0.26	1	0.18	9.33e-02	1.00	145,145,0,145
359	ok	s=2,m=12	0.09	0.26	1	0.18	2.09e-02	1.00	145,145,0,145
362	ok	s=2,m=12	0.07	0.23	1	0.22	9.12e-02	1.00	2,2,0,2
365	ok	s=2,m=12	0.03	0.24	1	0.22	2.14e-02	1.00	143,2,0,2
366	ok	s=2,m=12	9.66e-03	0.11	1	0.04	2.07e-02	1.00	144,144,0,145
367	ok	s=2,m=12	0.01	0.11	1	0.04	0.2	1.00	145,144,0,145
368	ok	s=2,m=12	0.01	0.01	1	2.68e-03	7.32e-03	1.00	145,142,0,145
370	ok	s=2,m=12	0.23	0.03	1	0.03	7.32e-03	1.00	145,2,0,2
371	ok	s=2,m=12	0.01	0.11	1	0.04	0.2	1.00	145,144,0,145
372	ok	s=2,m=12	0.02	0.02	1	4.53e-03	7.32e-03	1.00	145,145,0,145

373	ok	s=2,m=12	0.06	0.23	1				0.16	9.24e-02	1.00	145,145,0,145
374	ok	s=2,m=12	0.11	0.02	1				0.02	7.32e-03	1.00	145,2,0,2
377	ok	s=2,m=12	0.15	0.04	1				0.03	7.32e-03	1.00	145,2,0,2
378	ok	s=2,m=12	0.07	0.24	1				0.22	9.12e-02	1.00	2,2,0,2
380	ok	s=2,m=12	0.01	0.08	1				0.03	0.2	1.00	145,145,0,145
394	ok	s=2,m=12	0.01	0.07	1				0.03	0.2	1.00	145,145,0,145
395	ok	s=2,m=12	0.02	0.02	1				5.51e-03	7.32e-03	1.00	145,141,0,145
400	ok	s=2,m=12	0.01	0.01	1				2.83e-03	7.32e-03	1.00	144,8,0,144
404	ok	s=2,m=12	0.02	0.01	1				3.85e-03	7.32e-03	1.00	125,125,0,125
405	ok	s=2,m=12	0.10	0.02	1				0.02	7.32e-03	1.00	2,2,0,2
406	ok	s=2,m=12	5.86e-03	0.08	1				0.03	1.91e-02	1.00	143,145,0,145
411	ok	s=2,m=12	0.07	0.02	1				0.01	7.32e-03	1.00	2,2,0,2
412	ok	s=2,m=12	0.05	0.21	1				0.14	0.2	1.00	144,144,0,144
413	ok	s=2,m=12	0.04	0.26	1				0.14	2.14e-02	1.00	145,144,0,144
414	ok	s=2,m=12	0.05	0.26	1				0.13	0.2	1.00	144,144,0,144
415	ok	s=2,m=12	0.06	0.03	1				0.01	7.32e-03	1.00	144,144,0,144
416	ok	s=2,m=12	0.05	0.04	1				0.01	7.32e-03	1.00	2,2,0,2
417	ok	s=2,m=12	0.03	0.15	1				0.07	0.2	1.00	2,145,0,2
418	ok	s=2,m=12	0.03	0.15	1				0.07	0.2	1.00	2,145,0,2
419	ok	s=2,m=12	5.06e-03	0.01	1				0.01	0.5	0.99	5,1,0,1
420	ok	s=2,m=12	0.01	0.10	1				0.06	0.1	1.00	118,139,0,131
426	ok	s=2,m=12	7.71e-03	4.39e-03	1				1.51e-03	0.2	1.00	121,117,0,1
427	ok	s=2,m=12	0.02	0.01	1				0.01	0.3	1.00	143,118,0,1
428	ok	s=2,m=12	0.06	0.37	1				0.23	0.1	1.00	118,139,0,118
430	ok	s=2,m=12	0.02	0.02	1				0.02	0.3	1.00	145,1,0,1

Trave	V V/T	V N/M	V stab	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT
							0.23			0.99
	0.26	0.40	0.10	1.82	0.22	157.97		0.24	0.48	

Trave	v.Omeg	f.Om. N	Stato	V N/M	V stab	Rif. cmb	V[7.5.4]	M Ed	V[7.5.5]	N Ed	V[7.5.6]	V Ed,G	V Ed,M
								kN m		kN		kN	kN
130							0.0	0.0	0.0	0.0	0.0	0.0	0.0
131							0.0	0.0	0.0	0.0	0.0	0.0	0.0
133							0.0	0.0	0.0	0.0	0.0	0.0	0.0
136							0.0	0.0	0.0	0.0	0.0	0.0	0.0
139							0.0	0.0	0.0	0.0	0.0	0.0	0.0
140							0.0	0.0	0.0	0.0	0.0	0.0	0.0
142							0.0	0.0	0.0	0.0	0.0	0.0	0.0
143							0.0	0.0	0.0	0.0	0.0	0.0	0.0
148							0.0	0.0	0.0	0.0	0.0	0.0	0.0
149							0.0	0.0	0.0	0.0	0.0	0.0	0.0
150							0.0	0.0	0.0	0.0	0.0	0.0	0.0
151							0.0	0.0	0.0	0.0	0.0	0.0	0.0
152							0.0	0.0	0.0	0.0	0.0	0.0	0.0
153							0.0	0.0	0.0	0.0	0.0	0.0	0.0
154							0.0	0.0	0.0	0.0	0.0	0.0	0.0
155							0.0	0.0	0.0	0.0	0.0	0.0	0.0
156							0.0	0.0	0.0	0.0	0.0	0.0	0.0
157							0.0	0.0	0.0	0.0	0.0	0.0	0.0
158							0.0	0.0	0.0	0.0	0.0	0.0	0.0
159							0.0	0.0	0.0	0.0	0.0	0.0	0.0
160							0.0	0.0	0.0	0.0	0.0	0.0	0.0
161							0.0	0.0	0.0	0.0	0.0	0.0	0.0
162							0.0	0.0	0.0	0.0	0.0	0.0	0.0
163							0.0	0.0	0.0	0.0	0.0	0.0	0.0
164							0.0	0.0	0.0	0.0	0.0	0.0	0.0
167							0.0	0.0	0.0	0.0	0.0	0.0	0.0
168							0.0	0.0	0.0	0.0	0.0	0.0	0.0
169							0.0	0.0	0.0	0.0	0.0	0.0	0.0
170							0.0	0.0	0.0	0.0	0.0	0.0	0.0
171							0.0	0.0	0.0	0.0	0.0	0.0	0.0
172							0.0	0.0	0.0	0.0	0.0	0.0	0.0
173							0.0	0.0	0.0	0.0	0.0	0.0	0.0
174							0.0	0.0	0.0	0.0	0.0	0.0	0.0
175							0.0	0.0	0.0	0.0	0.0	0.0	0.0
176							0.0	0.0	0.0	0.0	0.0	0.0	0.0
177							0.0	0.0	0.0	0.0	0.0	0.0	0.0
178							0.0	0.0	0.0	0.0	0.0	0.0	0.0
179							0.0	0.0	0.0	0.0	0.0	0.0	0.0
180							0.0	0.0	0.0	0.0	0.0	0.0	0.0
181							0.0	0.0	0.0	0.0	0.0	0.0	0.0
182							0.0	0.0	0.0	0.0	0.0	0.0	0.0
183							0.0	0.0	0.0	0.0	0.0	0.0	0.0

184	0.0	0.0	0.0	0.0	0.0	0.0	0.0
186	0.0	0.0	0.0	0.0	0.0	0.0	0.0
187	0.0	0.0	0.0	0.0	0.0	0.0	0.0
188	0.0	0.0	0.0	0.0	0.0	0.0	0.0
189	0.0	0.0	0.0	0.0	0.0	0.0	0.0
190	0.0	0.0	0.0	0.0	0.0	0.0	0.0
191	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192	0.0	0.0	0.0	0.0	0.0	0.0	0.0
193	0.0	0.0	0.0	0.0	0.0	0.0	0.0
194	0.0	0.0	0.0	0.0	0.0	0.0	0.0
195	0.0	0.0	0.0	0.0	0.0	0.0	0.0
196	0.0	0.0	0.0	0.0	0.0	0.0	0.0
197	0.0	0.0	0.0	0.0	0.0	0.0	0.0
198	0.0	0.0	0.0	0.0	0.0	0.0	0.0
199	0.0	0.0	0.0	0.0	0.0	0.0	0.0
200	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202	0.0	0.0	0.0	0.0	0.0	0.0	0.0
203	0.0	0.0	0.0	0.0	0.0	0.0	0.0
206	0.0	0.0	0.0	0.0	0.0	0.0	0.0
208	0.0	0.0	0.0	0.0	0.0	0.0	0.0
211	0.0	0.0	0.0	0.0	0.0	0.0	0.0
213	0.0	0.0	0.0	0.0	0.0	0.0	0.0
214	0.0	0.0	0.0	0.0	0.0	0.0	0.0
216	0.0	0.0	0.0	0.0	0.0	0.0	0.0
219	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220	0.0	0.0	0.0	0.0	0.0	0.0	0.0
221	0.0	0.0	0.0	0.0	0.0	0.0	0.0
222	0.0	0.0	0.0	0.0	0.0	0.0	0.0
224	0.0	0.0	0.0	0.0	0.0	0.0	0.0
225	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250	0.0	0.0	0.0	0.0	0.0	0.0	0.0
251	0.0	0.0	0.0	0.0	0.0	0.0	0.0
252	0.0	0.0	0.0	0.0	0.0	0.0	0.0
253	0.0	0.0	0.0	0.0	0.0	0.0	0.0
255	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256	0.0	0.0	0.0	0.0	0.0	0.0	0.0
257	0.0	0.0	0.0	0.0	0.0	0.0	0.0
258	0.0	0.0	0.0	0.0	0.0	0.0	0.0
276	0.0	0.0	0.0	0.0	0.0	0.0	0.0
277	0.0	0.0	0.0	0.0	0.0	0.0	0.0
278	0.0	0.0	0.0	0.0	0.0	0.0	0.0
279	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280	0.0	0.0	0.0	0.0	0.0	0.0	0.0
281	0.0	0.0	0.0	0.0	0.0	0.0	0.0
282	0.0	0.0	0.0	0.0	0.0	0.0	0.0
283	0.0	0.0	0.0	0.0	0.0	0.0	0.0
289	0.0	0.0	0.0	0.0	0.0	0.0	0.0
290	0.0	0.0	0.0	0.0	0.0	0.0	0.0
291	0.0	0.0	0.0	0.0	0.0	0.0	0.0
292	0.0	0.0	0.0	0.0	0.0	0.0	0.0
293	0.0	0.0	0.0	0.0	0.0	0.0	0.0
294	0.0	0.0	0.0	0.0	0.0	0.0	0.0
295	0.0	0.0	0.0	0.0	0.0	0.0	0.0
297	0.0	0.0	0.0	0.0	0.0	0.0	0.0
298	0.0	0.0	0.0	0.0	0.0	0.0	0.0
299	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300	0.0	0.0	0.0	0.0	0.0	0.0	0.0
301	0.0	0.0	0.0	0.0	0.0	0.0	0.0
302	0.0	0.0	0.0	0.0	0.0	0.0	0.0
303	0.0	0.0	0.0	0.0	0.0	0.0	0.0
305	0.0	0.0	0.0	0.0	0.0	0.0	0.0
306	0.0	0.0	0.0	0.0	0.0	0.0	0.0
307	0.0	0.0	0.0	0.0	0.0	0.0	0.0
308	0.0	0.0	0.0	0.0	0.0	0.0	0.0
309	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357	0.0	0.0	0.0	0.0	0.0	0.0	0.0
358	0.0	0.0	0.0	0.0	0.0	0.0	0.0
359	0.0	0.0	0.0	0.0	0.0	0.0	0.0
362	0.0	0.0	0.0	0.0	0.0	0.0	0.0
365	0.0	0.0	0.0	0.0	0.0	0.0	0.0
366	0.0	0.0	0.0	0.0	0.0	0.0	0.0

367					0.0	0.0	0.0	0.0	0.0	0.0	0.0
368					0.0	0.0	0.0	0.0	0.0	0.0	0.0
370					0.0	0.0	0.0	0.0	0.0	0.0	0.0
371					0.0	0.0	0.0	0.0	0.0	0.0	0.0
372					0.0	0.0	0.0	0.0	0.0	0.0	0.0
373					0.0	0.0	0.0	0.0	0.0	0.0	0.0
374					0.0	0.0	0.0	0.0	0.0	0.0	0.0
377					0.0	0.0	0.0	0.0	0.0	0.0	0.0
378					0.0	0.0	0.0	0.0	0.0	0.0	0.0
380					0.0	0.0	0.0	0.0	0.0	0.0	0.0
394					0.0	0.0	0.0	0.0	0.0	0.0	0.0
395					0.0	0.0	0.0	0.0	0.0	0.0	0.0
400					0.0	0.0	0.0	0.0	0.0	0.0	0.0
404					0.0	0.0	0.0	0.0	0.0	0.0	0.0
405					0.0	0.0	0.0	0.0	0.0	0.0	0.0
406					0.0	0.0	0.0	0.0	0.0	0.0	0.0
411					0.0	0.0	0.0	0.0	0.0	0.0	0.0
412					0.0	0.0	0.0	0.0	0.0	0.0	0.0
413					0.0	0.0	0.0	0.0	0.0	0.0	0.0
414					0.0	0.0	0.0	0.0	0.0	0.0	0.0
415					0.0	0.0	0.0	0.0	0.0	0.0	0.0
416					0.0	0.0	0.0	0.0	0.0	0.0	0.0
417					0.0	0.0	0.0	0.0	0.0	0.0	0.0
418					0.0	0.0	0.0	0.0	0.0	0.0	0.0
419					0.0	0.0	0.0	0.0	0.0	0.0	0.0
420					0.0	0.0	0.0	0.0	0.0	0.0	0.0
426					0.0	0.0	0.0	0.0	0.0	0.0	0.0
427					0.0	0.0	0.0	0.0	0.0	0.0	0.0
428					0.0	0.0	0.0	0.0	0.0	0.0	0.0
430					0.0	0.0	0.0	0.0	0.0	0.0	0.0

Trave	v.Omeg	V N/M	V stab	V[7.5.4]	M Ed	V[7.5.5]	N Ed	V[7.5.6]	V Ed,G	V Ed,M
					0.0		0.0		0.0	0.0
				0.0	0.0	0.0	0.0	0.0	0.0	0.0

Pilas.	Stato	Note	V V/T	V N/M	V stab	Cl.	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT	Rif. cmb
98	ok	s=2,m=12	4.13e-03	0.10	0.39	1	1.6	1.0	142.2	0.27	0.02	0.3	1.00	141,131,137,118
99	ok	s=2,m=12	2.00e-03	0.05	0.14	1	1.6	1.0	142.2	0.27	0.02	0.2	1.00	118,136,131,118
100	ok	s=10,m=12	0.02	0.15	0.15	1	1.1	1.1	96.4	0.59				141,144,144,0
101	ok	s=2,m=12	2.93e-03	0.24		1					0.03	8.24e-02	1.00	115,131,0,115
102	ok	s=2,m=12	2.37e-03	0.07		1					1.45e-03	8.79e-02	1.00	136,136,0,120
103	ok	s=2,m=12	7.21e-03	0.08		1					0.02	6.06e-02	1.00	123,123,0,124
104	ok	s=2,m=12	4.68e-03	0.10		1					6.37e-03	9.03e-02	1.00	136,136,0,124
105	ok	s=2,m=12	1.52e-03	0.06		1					3.62e-03	8.85e-02	1.00	132,136,0,115
106	ok	s=2,m=12	2.31e-03	0.08	0.14	1	2.0	1.2	173.8	0.20	0.03	0.4	1.00	124,136,136,124
107	ok	s=2,m=12	4.23e-03	0.10		1					0.01	0.2	1.00	136,132,0,126
108	ok	s=2,m=12	1.40e-03	0.07		1					0.01	0.2	1.00	136,136,0,124
109	ok	s=10,m=12	0.02	0.13	0.15	1	1.4	1.4	117.8	0.44				123,124,124,0
110	ok	s=10,m=12	0.02	0.11		1								123,124,0,0
111	ok	s=10,m=12	0.01	0.12		1								125,119,0,0
112	ok	s=2,m=12	9.69e-03	0.13	0.17	1	2.0	1.2	173.8	0.20	0.09	0.4	1.00	134,132,137,132
113	ok	s=2,m=12	3.88e-03	0.10		1					0.04	0.3	1.00	124,128,0,115
114	ok	s=2,m=12	4.91e-03	0.07		1					0.04	0.2	1.00	115,137,0,115
115	ok	s=2,m=12	0.02	0.22		1					0.18	0.2	1.00	134,137,0,134
116	ok	s=2,m=12	4.78e-03	0.09		1					0.05	0.3	1.00	125,118,0,125
117	ok	s=2,m=12	5.28e-03	0.17		1					0.06	0.3	1.00	123,115,0,123
118	ok	s=2,m=12	0.03	0.27	0.29	1	1.5	0.9	128.5	0.32	0.22	0.3	1.00	118,118,115,134
119	ok	s=2,m=12	0.02	0.22	0.19	1	1.1	0.7	97.0	0.48	0.17	0.2	1.00	134,118,128,115
120	ok	s=2,m=12	0.02	0.16		1					0.13	0.2	1.00	115,131,0,115
121	ok	s=2,m=12	0.02	0.30		1					0.14	7.96e-02	1.00	118,127,0,134
122	ok	s=2,m=12	9.87e-03	0.13	0.33	1	1.1	0.7	97.0	0.48	0.08	0.2	1.00	132,129,123,118
123	ok	s=2,m=12	0.01	0.15	0.21	1	1.6	1.0	142.2	0.27	0.07	0.2	1.00	117,129,123,118
124	ok	s=10,m=12	0.04	0.41		1								118,145,0,0
125	ok	s=10,m=12	0.03	0.15	0.22	1	1.1	1.1	96.4	0.59				118,145,145,0
126	ok	s=10,m=12	0.02	0.12	0.11	1	1.1	1.1	96.4	0.59				118,143,141,0
127	ok	s=10,m=12	0.01	0.13		1								142,144,0,0
129	ok	s=2,m=12	0.02	0.28		1					0.04	0.1	1.00	132,136,0,116
132	ok	s=10,m=12	0.01	0.17		1								139,119,0,0
134	ok	s=2,m=12	7.21e-03	0.06		1					0.06	0.2	1.00	123,123,0,123
135	ok	s=2,m=12	0.02	0.26		1					0.02	0.1	1.00	117,117,0,133
137	ok	s=10,m=12	0.01	0.13		1								122,130,0,0
138	ok	s=10,m=12	7.20e-03	0.12		1								129,126,0,0
141	ok	s=2,m=12	0.03	0.30		1					8.92e-03	0.1	1.00	120,120,0,118

144	ok	s=2,m=12	0.02	0.24		1					0.02	0.2	1.00	143,143,0,117
145	ok	s=2,m=12	8.23e-03	0.13	0.18	1	2.0	1.2	173.8	0.20	0.08	0.4	1.00	116,120,141,116
146	ok	s=2,m=12	4.15e-03	0.10		1					0.03	0.3	1.00	144,141,0,117
147	ok	s=2,m=12	3.57e-03	0.08		1					0.03	0.2	1.00	117,141,0,117
165	ok	s=2,m=12	0.01	0.06		1					0.06	0.2	1.00	2,123,0,123
204	ok	s=2,m=12	0.01	0.12		1					0.08	0.4	1.00	118,121,0,118
205	ok	s=2,m=12	0.02	0.08		1					0.05	0.1	1.00	118,125,0,115
207	ok	s=2,m=12	0.02	0.15	0.11	1	1.1	0.7	97.0	0.48	0.10	0.2	1.00	116,145,2,118
212	ok	s=2,m=12	4.01e-03	0.09		1					0.05	0.2	1.00	123,118,0,125
215	ok	s=2,m=12	4.72e-03	0.13		1					0.04	0.2	1.00	123,123,0,127
223	ok	s=2,m=12	0.01	0.17	0.15	1	1.6	1.0	142.2	0.27	0.09	0.4	1.00	127,115,121,128
231	ok	s=2,m=12	6.15e-03	0.12	0.32	1	1.1	0.7	97.0	0.48	0.04	0.2	1.00	145,146,146,118
237	ok	s=2,m=12	5.92e-03	0.13	0.22	1	1.6	1.0	142.2	0.27	0.04	0.2	1.00	145,145,146,115
244	ok	s=3,m=12	5.03e-03	0.12		3								136,118,0,0
245	ok	s=3,m=12	8.13e-03	0.05		3								136,118,0,0
246	ok	s=3,m=12	3.00e-03	0.02		3								124,134,0,0
247	ok	s=3,m=12	2.95e-03	0.04		3								136,137,0,0
248	ok	s=3,m=12	7.87e-03	0.08		3								136,137,0,0
249	ok	s=3,m=12	4.72e-03	0.04		3								136,137,0,0
254	ok	s=2,m=12	3.02e-03	0.06	0.11	1	1.6	1.0	142.2	0.27	0.02	0.2	1.00	137,116,122,137
267	ok	s=2,m=12	0.01	0.12	0.16	1	2.0	1.2	173.8	0.20	0.10	0.2	1.00	125,125,124,125
275	ok	s=2,m=12	3.53e-03	0.13	0.07	1	1.5	0.9	128.5	0.32	4.16e-03	0.3	1.00	134,138,2,2
284	ok	s=2,m=12	0.02	0.18	0.13	1	1.5	0.9	128.5	0.32	0.09	0.2	1.00	128,115,2,128
296	ok	s=10,m=12	0.02	0.41		1								132,132,0,0
304	ok	s=10,m=12	0.03	0.15	0.21	1	1.1	1.1	96.4	0.59				140,140,140,0
310	ok	s=2,m=12	1.93e-03	0.06		1					7.73e-03	7.23e-02	1.00	136,120,0,118
311	ok	s=2,m=12	4.88e-03	0.04		1					3.34e-03	9.61e-02	1.00	136,136,0,115
312	ok	s=2,m=12	2.05e-03	0.04		1					4.14e-03	9.04e-02	1.00	121,136,0,117
313	ok	s=2,m=12	2.28e-03	0.07		1					0.01	9.55e-02	1.00	124,123,0,124
314	ok	s=2,m=12	4.50e-03	0.04		1					5.10e-03	0.1	1.00	136,115,0,136
315	ok	s=2,m=12	1.19e-03	0.04		1					1.79e-03	9.47e-02	1.00	132,136,0,136
316	ok	s=3,m=12	5.03e-03	0.09		3								136,134,0,0
317	ok	s=3,m=12	8.13e-03	0.04		3								136,134,0,0
318	ok	s=3,m=12	3.00e-03	0.01		3								124,118,0,0
319	ok	s=3,m=12	2.95e-03	0.02		3								136,137,0,0
320	ok	s=3,m=12	7.87e-03	0.06		3								136,137,0,0
321	ok	s=3,m=12	0.01	0.06		3								136,137,0,0
322	ok	s=2,m=12	1.87e-03	0.05		1					5.53e-03	9.40e-02	1.00	136,120,0,115
323	ok	s=2,m=12	5.43e-03	0.11		1					2.79e-03	0.1	1.00	136,136,0,115
324	ok	s=2,m=12	0.01	0.08		1					0.03	7.29e-02	1.00	117,116,0,117
325	ok	s=2,m=12	2.18e-03	0.06		1					0.01	9.83e-02	1.00	136,123,0,124
326	ok	s=2,m=12	3.93e-03	0.08		1					4.00e-03	0.1	1.00	136,136,0,124
327	ok	s=2,m=12	2.14e-03	0.03		1					1.09e-03	8.68e-02	1.00	142,142,0,115
328	ok	s=3,m=12	5.03e-03	0.08		3								136,134,0,0
329	ok	s=3,m=12	8.13e-03	0.03		3								136,134,0,0
330	ok	s=3,m=12	3.00e-03	0.01		3								124,118,0,0
331	ok	s=3,m=12	2.95e-03	0.01		3								136,137,0,0
332	ok	s=3,m=12	7.87e-03	0.05		3								136,137,0,0
333	ok	s=3,m=12	0.02	0.25		3								134,137,0,0
334	ok	s=2,m=12	2.67e-03	0.05		1					5.38e-03	9.35e-02	1.00	136,137,0,115
335	ok	s=2,m=12	2.36e-03	0.05		1					8.02e-03	9.75e-02	1.00	137,123,0,124
336	ok	s=3,m=12	5.03e-03	0.07		3								136,134,0,0
337	ok	s=3,m=12	6.78e-03	0.12	0.15	3	0.7	0.4	61.3	0.78				136,137,137,0
338	ok	s=3,m=12	6.78e-03	0.10		3								136,137,0,0
348	ok	s=2,m=12	4.41e-03	0.14	0.19	1	2.0	1.2	173.8	0.20	0.05	0.3	1.00	120,141,144,120
350	ok	s=10,m=12	0.02	0.14	0.13	1	1.4	1.4	117.8	0.44				136,140,140,0
356	ok	s=2,m=12	0.01	0.09	0.07	1	1.5	0.9	128.5	0.32	0.09	0.2	1.00	115,119,2,115
363	ok	s=2,m=12	0.01	0.14		1					0.09	0.2	1.00	115,121,0,115
364	ok	s=2,m=12	0.02	0.23	0.25	1	1.5	0.9	128.5	0.32	0.16	0.3	1.00	115,121,120,116
369	ok	s=2,m=12	0.02	0.18	0.19	1	1.5	0.9	128.5	0.32	0.16	0.3	1.00	115,120,141,116
375	ok	s=2,m=12	0.01	0.31		1					0.11	8.00e-02	1.00	115,146,0,115
376	ok	s=2,m=12	0.01	0.08		1					0.03	0.1	1.00	115,145,0,116
379	ok	s=2,m=12	0.02	0.21	0.17	1	1.6	1.0	142.2	0.27	0.10	0.3	1.00	115,142,139,118
381	ok	s=2,m=12	0.01	0.22	0.53	1	1.1	0.7	97.0	0.48	0.09	0.2	1.00	115,146,146,115
382	ok	s=2,m=12	7.80e-03	0.18	0.74	1	1.6	1.0	142.2	0.27	0.07	0.3	1.00	136,121,121,136
383	ok	s=10,m=12	0.02	0.25	0.36	1	1.1	1.1	96.4	0.59				132,132,132,0
384	ok	s=2,m=12	2.93e-03	0.17	0.67	1	1.6	1.0	142.2	0.27	0.03	0.3	1.00	115,131,131,115
385	ok	s=2,m=12	0.02	0.22	0.53	1	1.1	0.7	97.0	0.48	0.11	0.2	1.00	118,123,123,134
386	ok	s=10,m=12	0.04	0.26	0.40	1	1.1	1.1	96.4	0.59				118,145,145,0
390	ok	s=2,m=12	0.01	0.15		1					0.10	0.3	1.00	115,140,0,116
392	ok	s=2,m=12	0.01	0.22	0.30	1	0.5	0.3	45.2	0.83	0.03	0.1	1.00	115,146,146,124
393	ok	s=2,m=12	9.54e-03	0.11		1					0.05	0.2	1.00	115,145,0,118
396	ok	s=2,m=12	0.01	0.07		1					0.02	5.38e-02	1.00	120,132,0,120
397	ok	s=2,m=12	5.07e-03	0.11		1					4.55e-03	8.86e-02	1.00	136,136,0,120
398	ok	s=2,m=12	0.02	0.22		1					0.17	9.94e-02	1.00	133,118,0,115

399	ok	s=2,m=12	0.02	0.22	0.29	1	0.5	0.3	45.2	0.83	0.03	0.1	1.00	118,123,127,115
403	ok	s=2,m=12	9.20e-03	0.13		1					0.08	0.1	1.00	125,129,0,118
407	ok	s=2,m=12	4.04e-03	0.16		1					7.60e-03	0.3	1.00	145,145,0,144
408	ok	s=10,m=12	0.02	0.11		1								137,140,0,0
421	ok	s=2,m=12	6.99e-03	0.13		1					0.05	7.55e-02	1.00	2,146,0,115
422	ok	s=2,m=12	4.91e-03	0.11		1					0.05	0.3	1.00	118,145,0,118
423	ok	s=2,m=12	8.19e-03	0.15		1					0.10	9.31e-02	1.00	121,120,0,118
424	ok	s=2,m=12	9.32e-03	0.21		1					0.10	0.3	1.00	118,142,0,118
425	ok	s=2,m=12	3.80e-03	0.16		1					7.60e-03	0.2	1.00	145,145,0,144
429	ok	s=10,m=12	8.94e-03	0.08		1								126,126,0,0
433	ok	s=2,m=12	6.86e-03	0.13	0.16	1	2.0	1.2	173.8	0.20	0.08	0.3	1.00	140,140,140,140
434	ok	s=2,m=12	4.32e-03	0.10		1					0.02	0.2	1.00	120,120,0,140
435	ok	s=2,m=12	2.15e-03	0.07		1					0.02	0.2	1.00	140,140,0,140
436	ok	s=2,m=12	9.73e-03	0.15	0.17	1	2.0	1.2	173.8	0.20	0.10	0.3	1.00	144,140,141,144
437	ok	s=2,m=12	5.35e-03	0.12		1					0.04	0.3	1.00	144,120,0,145
438	ok	s=2,m=12	4.39e-03	0.09		1					0.04	0.2	1.00	145,140,0,145
439	ok	s=2,m=12	0.01	0.16	0.22	1	2.0	1.2	173.8	0.20	0.11	0.4	1.00	136,132,121,136
440	ok	s=2,m=12	5.62e-03	0.13	0.15	1	1.6	1.0	142.2	0.27	0.04	0.3	1.00	136,120,121,135
441	ok	s=2,m=12	5.22e-03	0.14		1					0.04	0.3	1.00	135,120,0,135
442	ok	s=2,m=12	7.80e-03	0.26		1					0.08	8.18e-02	1.00	136,122,0,136
443	ok	s=2,m=12	4.47e-03	0.09	0.39	1	1.6	1.0	142.2	0.27	0.02	0.3	1.00	140,121,121,137

Pilas.	V V/T	V N/M	V stab	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT
							0.20			1.00
	0.04	0.41	0.74	2.00	1.36	173.77		0.22	0.38	

Pilas.	f.Om. N	f.Om. T	Stato	V V/T	V N/M	V stab	V flst	Rif. cmbV[7.5.10]	V Ed kN	sovr. Xi	sovr. Xf	sovr. Yi	sovr. Yf
98	0.0	0.0	ok	0.0	0.0			0,0,0,0					
99	0.0	0.0	ok	0.0	0.0			0,0,0,0					
100	0.0	0.0	ok	0.0	0.0			0,0,0,0					
101	0.0	0.0	ok	0.0	0.0			0,0,0,0					
102	0.0	0.0	ok	0.0	0.0			0,0,0,0					
103	0.0	0.0	ok	0.0	0.0			0,0,0,0					
104	0.0	0.0	ok	0.0	0.0			0,0,0,0					
105	0.0	0.0	ok	0.0	0.0			0,0,0,0					
106	0.0	0.0	ok	0.0	0.0			0,0,0,0					
107	0.0	0.0	ok	0.0	0.0			0,0,0,0					
108	0.0	0.0	ok	0.0	0.0			0,0,0,0					
109	0.0	0.0	ok	0.0	0.0			0,0,0,0					
110	0.0	0.0	ok	0.0	0.0			0,0,0,0					
111	0.0	0.0	ok	0.0	0.0			0,0,0,0					
112	0.0	0.0	ok	0.0	0.0			0,0,0,0					
113	0.0	0.0	ok	0.0	0.0			0,0,0,0					
114	0.0	0.0	ok	0.0	0.0			0,0,0,0					
115	0.0	0.0	ok	0.0	0.0			0,0,0,0					
116	0.0	0.0	ok	0.0	0.0			0,0,0,0					
117	0.0	0.0	ok	0.0	0.0			0,0,0,0					
118	0.0	0.0	ok	0.0	0.0			0,0,0,0					
119	0.0	0.0	ok	0.0	0.0			0,0,0,0					
120	0.0	0.0	ok	0.0	0.0			0,0,0,0					
121	0.0	0.0	ok	0.0	0.0			0,0,0,0					
122	0.0	0.0	ok	0.0	0.0			0,0,0,0					
123	0.0	0.0	ok	0.0	0.0			0,0,0,0					
124	0.0	0.0	ok	0.0	0.0			0,0,0,0					
125	0.0	0.0	ok	0.0	0.0			0,0,0,0					
126	0.0	0.0	ok	0.0	0.0			0,0,0,0					
127	0.0	0.0	ok	0.0	0.0			0,0,0,0					
129	0.0	0.0	ok	0.0	0.0			0,0,0,0					
132	0.0	0.0	ok	0.0	0.0			0,0,0,0					
134	0.0	0.0	ok	0.0	0.0			0,0,0,0					
135	0.0	0.0	ok	0.0	0.0			0,0,0,0					
137	0.0	0.0	ok	0.0	0.0			0,0,0,0					
138	0.0	0.0	ok	0.0	0.0			0,0,0,0					
141	0.0	0.0	ok	0.0	0.0			0,0,0,0					
144	0.0	0.0	ok	0.0	0.0			0,0,0,0					
145	0.0	0.0	ok	0.0	0.0			0,0,0,0					
146	0.0	0.0	ok	0.0	0.0			0,0,0,0					
147	0.0	0.0	ok	0.0	0.0			0,0,0,0					
165	0.0	0.0	ok	0.0	0.0			0,0,0,0					
204	0.0	0.0	ok	0.0	0.0			0,0,0,0					
205	0.0	0.0	ok	0.0	0.0			0,0,0,0					
207	0.0	0.0	ok	0.0	0.0			0,0,0,0					
212	0.0	0.0	ok	0.0	0.0			0,0,0,0					

215	0.0	0.0	ok	0.0	0.0	0,0,0,0
223	0.0	0.0	ok	0.0	0.0	0,0,0,0
231	0.0	0.0	ok	0.0	0.0	0,0,0,0
237	0.0	0.0	ok	0.0	0.0	0,0,0,0
244	0.0	0.0	ok	0.0	0.0	0,0,0,0
245	0.0	0.0	ok	0.0	0.0	0,0,0,0
246	0.0	0.0	ok	0.0	0.0	0,0,0,0
247	0.0	0.0	ok	0.0	0.0	0,0,0,0
248	0.0	0.0	ok	0.0	0.0	0,0,0,0
249	0.0	0.0	ok	0.0	0.0	0,0,0,0
254	0.0	0.0	ok	0.0	0.0	0,0,0,0
267	0.0	0.0	ok	0.0	0.0	0,0,0,0
275	0.0	0.0	ok	0.0	0.0	0,0,0,0
284	0.0	0.0	ok	0.0	0.0	0,0,0,0
296	0.0	0.0	ok	0.0	0.0	0,0,0,0
304	0.0	0.0	ok	0.0	0.0	0,0,0,0
310	0.0	0.0	ok	0.0	0.0	0,0,0,0
311	0.0	0.0	ok	0.0	0.0	0,0,0,0
312	0.0	0.0	ok	0.0	0.0	0,0,0,0
313	0.0	0.0	ok	0.0	0.0	0,0,0,0
314	0.0	0.0	ok	0.0	0.0	0,0,0,0
315	0.0	0.0	ok	0.0	0.0	0,0,0,0
316	0.0	0.0	ok	0.0	0.0	0,0,0,0
317	0.0	0.0	ok	0.0	0.0	0,0,0,0
318	0.0	0.0	ok	0.0	0.0	0,0,0,0
319	0.0	0.0	ok	0.0	0.0	0,0,0,0
320	0.0	0.0	ok	0.0	0.0	0,0,0,0
321	0.0	0.0	ok	0.0	0.0	0,0,0,0
322	0.0	0.0	ok	0.0	0.0	0,0,0,0
323	0.0	0.0	ok	0.0	0.0	0,0,0,0
324	0.0	0.0	ok	0.0	0.0	0,0,0,0
325	0.0	0.0	ok	0.0	0.0	0,0,0,0
326	0.0	0.0	ok	0.0	0.0	0,0,0,0
327	0.0	0.0	ok	0.0	0.0	0,0,0,0
328	0.0	0.0	ok	0.0	0.0	0,0,0,0
329	0.0	0.0	ok	0.0	0.0	0,0,0,0
330	0.0	0.0	ok	0.0	0.0	0,0,0,0
331	0.0	0.0	ok	0.0	0.0	0,0,0,0
332	0.0	0.0	ok	0.0	0.0	0,0,0,0
333	0.0	0.0	ok	0.0	0.0	0,0,0,0
334	0.0	0.0	ok	0.0	0.0	0,0,0,0
335	0.0	0.0	ok	0.0	0.0	0,0,0,0
336	0.0	0.0	ok	0.0	0.0	0,0,0,0
337	0.0	0.0	ok	0.0	0.0	0,0,0,0
338	0.0	0.0	ok	0.0	0.0	0,0,0,0
348	0.0	0.0	ok	0.0	0.0	0,0,0,0
350	0.0	0.0	ok	0.0	0.0	0,0,0,0
356	0.0	0.0	ok	0.0	0.0	0,0,0,0
363	0.0	0.0	ok	0.0	0.0	0,0,0,0
364	0.0	0.0	ok	0.0	0.0	0,0,0,0
369	0.0	0.0	ok	0.0	0.0	0,0,0,0
375	0.0	0.0	ok	0.0	0.0	0,0,0,0
376	0.0	0.0	ok	0.0	0.0	0,0,0,0
379	0.0	0.0	ok	0.0	0.0	0,0,0,0
381	0.0	0.0	ok	0.0	0.0	0,0,0,0
382	0.0	0.0	ok	0.0	0.0	0,0,0,0
383	0.0	0.0	ok	0.0	0.0	0,0,0,0
384	0.0	0.0	ok	0.0	0.0	0,0,0,0
385	0.0	0.0	ok	0.0	0.0	0,0,0,0
386	0.0	0.0	ok	0.0	0.0	0,0,0,0
390	0.0	0.0	ok	0.0	0.0	0,0,0,0
392	0.0	0.0	ok	0.0	0.0	0,0,0,0
393	0.0	0.0	ok	0.0	0.0	0,0,0,0
396	0.0	0.0	ok	0.0	0.0	0,0,0,0
397	0.0	0.0	ok	0.0	0.0	0,0,0,0
398	0.0	0.0	ok	0.0	0.0	0,0,0,0
399	0.0	0.0	ok	0.0	0.0	0,0,0,0
403	0.0	0.0	ok	0.0	0.0	0,0,0,0
407	0.0	0.0	ok	0.0	0.0	0,0,0,0
408	0.0	0.0	ok	0.0	0.0	0,0,0,0
421	0.0	0.0	ok	0.0	0.0	0,0,0,0
422	0.0	0.0	ok	0.0	0.0	0,0,0,0
423	0.0	0.0	ok	0.0	0.0	0,0,0,0
424	0.0	0.0	ok	0.0	0.0	0,0,0,0
425	0.0	0.0	ok	0.0	0.0	0,0,0,0

429	0.0	0.0	ok	0.0	0.0			0,0,0,0
433	0.0	0.0	ok	0.0	0.0			0,0,0,0
434	0.0	0.0	ok	0.0	0.0			0,0,0,0
435	0.0	0.0	ok	0.0	0.0			0,0,0,0
436	0.0	0.0	ok	0.0	0.0			0,0,0,0
437	0.0	0.0	ok	0.0	0.0			0,0,0,0
438	0.0	0.0	ok	0.0	0.0			0,0,0,0
439	0.0	0.0	ok	0.0	0.0			0,0,0,0
440	0.0	0.0	ok	0.0	0.0			0,0,0,0
441	0.0	0.0	ok	0.0	0.0			0,0,0,0
442	0.0	0.0	ok	0.0	0.0			0,0,0,0
443	0.0	0.0	ok	0.0	0.0			0,0,0,0

Pilas.	V V/T	V N/M	V stab	V flst	V[7.5.10]	V Ed sovr. Xi sovr. Xf sovr. Yi sovr. Yf
	0.0	0.0				

17 STATI LIMITE D' ESERCIZIO ACCIAIO

17.1 LEGENDA TABELLA STATI LIMITE D' ESERCIZIO ACCIAIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.
In particolare vengono riportati, per gli elementi trave, i risultati relativi alle combinazioni considerate (rare o caratteristiche).
I valori di interesse sono i seguenti:

f*1000/L	massima deformazione normalizzata in combinazioni rare

Si precisa che i valori di massima deformazione per travi sono riferiti ai due piani locali (1-2 con momenti flettenti 3-3 e 1-3 con momenti flettenti 2-2). Il valore riportato (massimo) è espresso in 1000/L per rendere agevole il confronto di più valori e in particolare di più range di valori (ad esempio 2 rappresenta L/500, 4 L/250 e cosi via).

Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L
130	1.9	131	0.4	133	8.29e-02	136	0.1	139	5.55e-02	140	0.3	142	3.52e-02
143	0.5	148	6.55e-02	149	6.39e-02	150	3.53e-02	151	2.35e-02	152	1.84e-02	153	5.22e-02
154	4.87e-02	155	2.15e-02	156	2.52e-02	157	3.67e-02	158	5.88e-02	159	6.97e-02	160	0.5
161	0.1	162	4.24e-02	163	7.33e-02	164	7.52e-02	167	2.68e-02	168	9.88e-02	169	0.1
170	7.86e-02	171	5.65e-02	172	5.32e-02	173	8.30e-02	174	0.1	175	5.22e-02	176	6.89e-02
177	0.1	178	0.1	179	0.1	180	0.5	181	0.7	182	9.09e-02	183	0.1
184	0.1	186	0.7	187	4.34e-02	188	0.1	189	0.1	190	8.48e-02	191	8.87e-02
192	9.38e-02	193	0.1	194	0.2	195	0.1	196	0.1	197	0.1	198	0.1
199	0.1	200	1.8	201	1.3	202	9.78e-02	203	0.1	206	8.20e-02	208	0.1
211	0.8	213	0.3	214	0.2	216	1.8	219	0.1	220	0.4	221	7.89e-02
222	1.2	224	0.5	225	6.21e-02	226	3.61e-02	240	6.34e-02	241	6.58e-02	250	0.3
251	0.3	252	0.1	253	0.1	255	0.1	256	4.18e-02	257	1.52e-02	258	4.33e-02
276	1.3	277	0.8	278	0.1	279	1.2	280	0.5	281	0.1	282	0.5
283	0.6	289	0.2	290	0.1	291	0.2	292	0.1	293	0.2	294	6.90e-02
295	0.1	297	0.1	298	5.36e-02	299	0.1	300	5.29e-02	301	6.77e-02	302	2.53e-02
303	6.26e-02	305	3.42e-02	306	1.52e-02	307	3.31e-02	308	1.52e-02	309	2.04e-02	357	1.1
358	0.7	359	0.1	362	1.1	365	1.0	366	7.44e-02	367	0.3	368	0.5
370	1.7	371	0.3	372	0.4	373	0.7	374	1.1	377	1.7	378	1.1
380	1.1	394	0.8	395	0.7	400	1.2	404	0.5	405	1.3	406	1.0
411	1.1	412	1.0	413	0.7	414	0.5	415	0.7	416	2.2	417	1.9
418	1.0	419	7.29e-02	420	0.1	426	0.1	427	0.1	428	4.77e-02	430	0.1

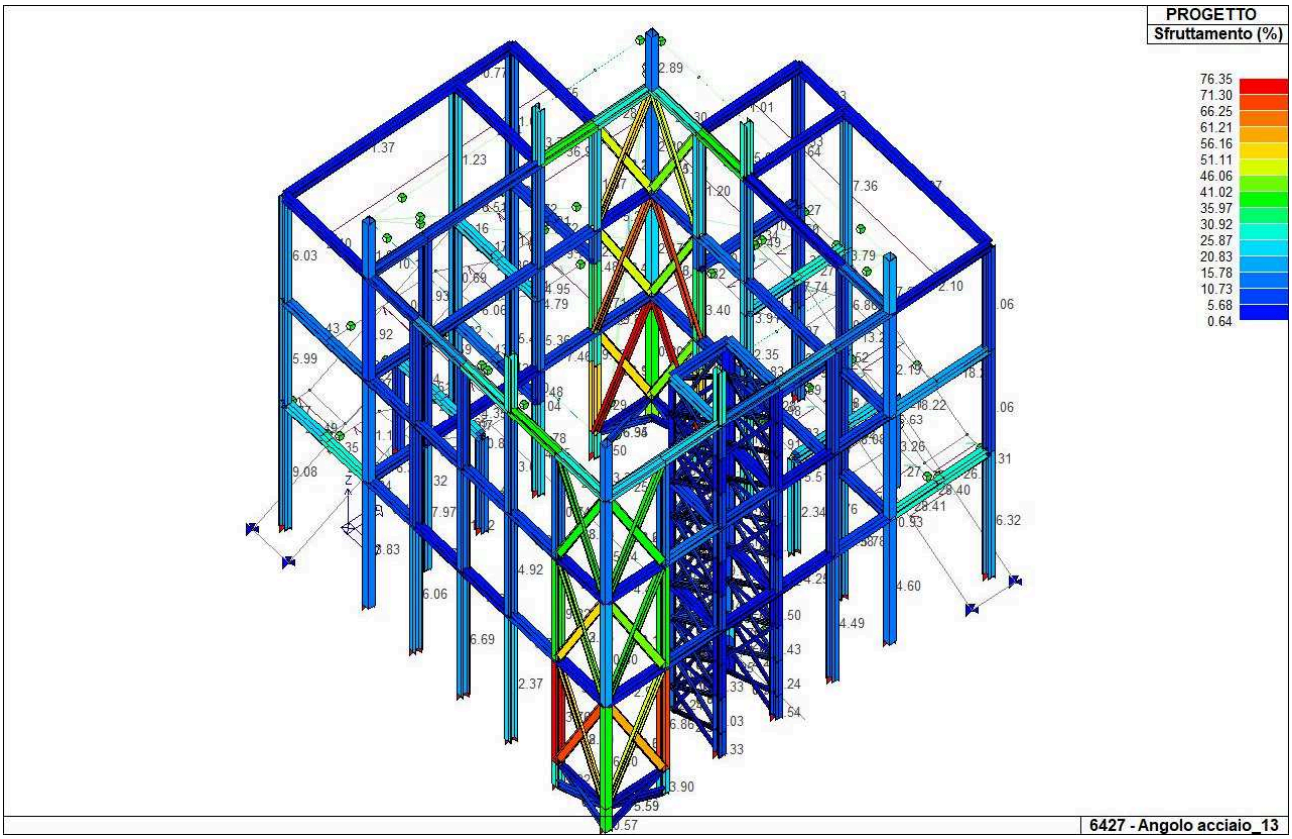


Figura 16: Sfruttamento [%]

18 TABULATO DI CALCOLO STRUTTURALE - PARTE LEGNO

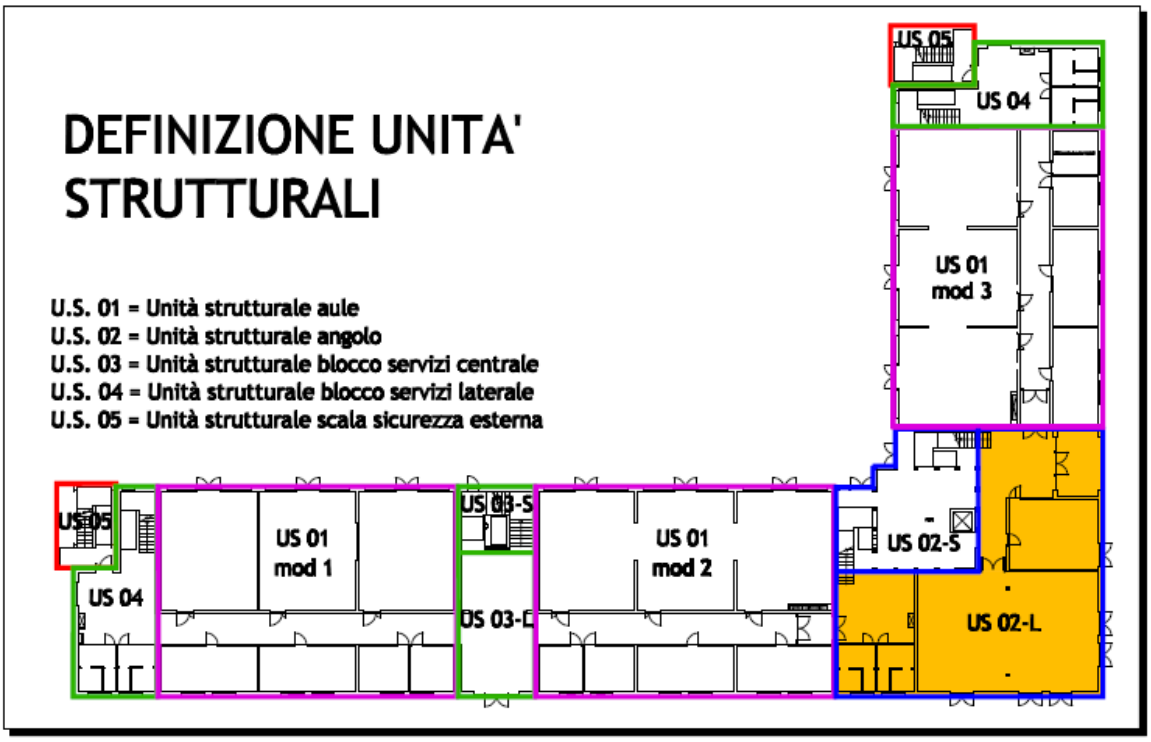


Figura 17: Unità strutturale in legno

18.1 DESCRIZIONE GENERALE DELL'OPERA

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

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

18.2 QUADRO NORMATIVO DI RIFERIMENTO ADOTTATO

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

Nel capitolo "normativa di riferimento" è comunque presente l'elenco completo delle normative disponibili.

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

18.3 AZIONI DI PROGETTO SULLA COSTRUZIONE

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

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

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

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

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

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.
Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.
Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

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

18.4 MODELLO NUMERICO

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

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

delta)	

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

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

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

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

Modellazione della geometria e proprietà meccaniche:	
nodi	3240
elementi D2 (per aste, travi, pilastri…)	228
elementi D3 (per pareti, platee, gusci…)	2888
elementi solaio	26
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	45.18
Xmax =	2105.18
Ymin =	-57.50
Ymax =	2002.50
Zmin =	0.00
Zmax =	1060.00
Strutture verticali:	
Elementi di tipo asta	SI
Pilastri	NO
Pareti	SI
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	SI
Gusci	NO

Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	SI
Solai senza la proprietà piano rigido	NO
Tipo di vincoli:	
Nodi vincolati rigidamente	SI
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	NO
Fondazioni con elementi solidi	NO

18.5 MODELLAZIONE DELLE AZIONI

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

18.6 COMBINAZIONI E/O PERCORSI DI CARICO

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

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

Principali risultati
I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta. 2.8.1. Risultati dell'analisi modale Viene riportato il tipo di analisi modale condotta, restituiti i risultati della stessa e valutate le informazioni desumibili in merito al comportamento della struttura.

2.8.2. Deformate e sollecitazioni per condizioni di carico

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

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

2.8.4. Reazioni vincolari

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

2.8.5. Altri risultati significativi

Nella presente parte vengono riportati tutti gli altri risultati che il progettista ritiene di interesse per la descrizione e la comprensione del/i modello/i e del comportamento della struttura.

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

per i dati in ingresso:

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

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

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

per il progetto-verifica degli elementi:

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

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

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

18.7 VERIFICHE AGLI STATI LIMITE ULTIMI

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

18.8 VERIFICHE AGLI STATI LIMITE DI ESERCIZIO

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

18.9 RELAZIONE SUI MATERIALI

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

19 NORMATIVA DI RIFERIMENTO

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

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

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

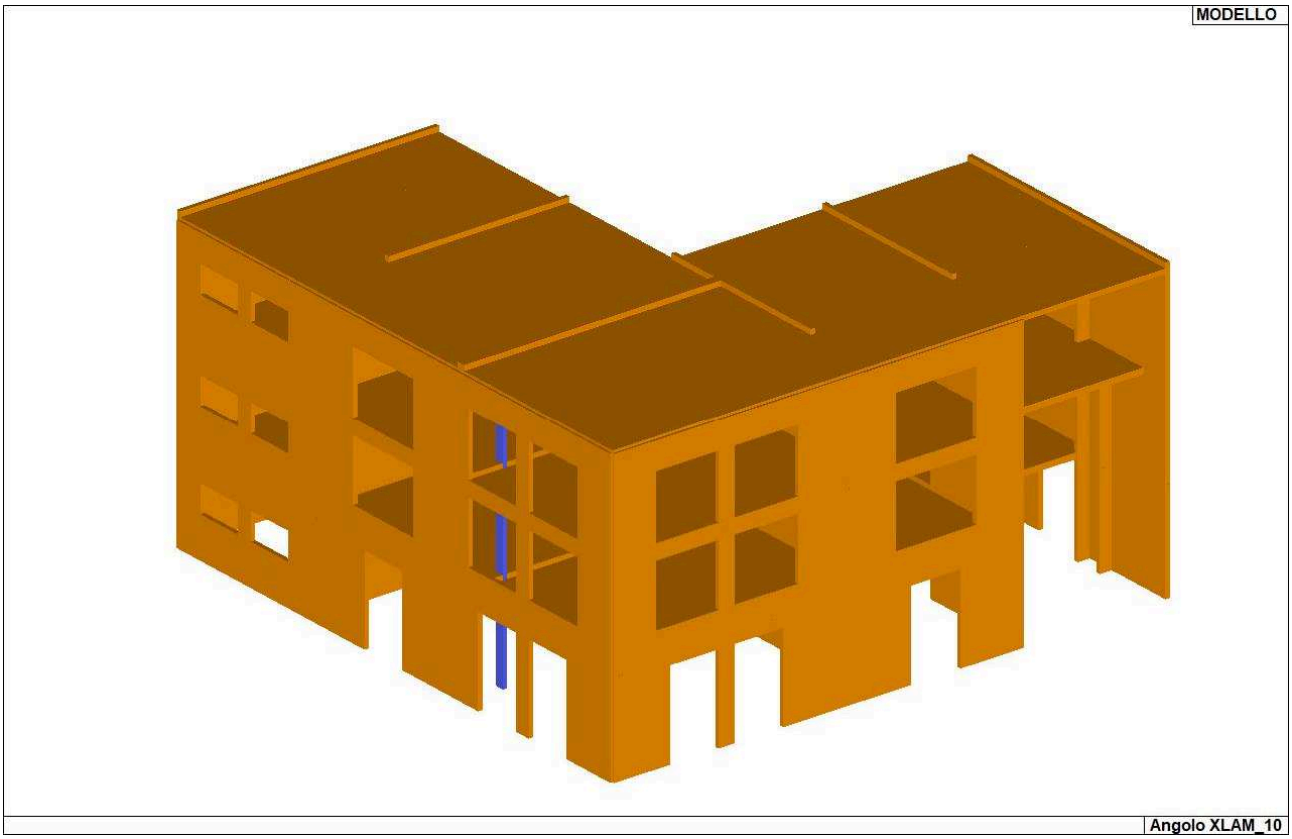


Figura 18: Vista solida

20 CARATTERISTICHE MATERIALI UTILIZZATI

20.1 LEGENDA TABELLA DATI MATERIALI

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

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

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

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

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

1	cemento armato		
		Rck	resistenza caratteristica cubica
		Fctm	resistenza media a trazione semplice
2	acciaio		
		Ft	tensione di rottura a trazione
		Fy	tensione di snervamento

		Fd	resistenza di calcolo
		Fdt	resistenza di calcolo per spess. t>40 mm
		Sadm	tensione ammissibile
		Sadmt	tensione ammissibile per spess. t>40 mm
3	muratura		
		Resist. Fk	resistenza caratteristica a compressione
		Resist. Fvko	resistenza caratteristica a taglio
4	legno		
		Resist. fc0k	Resistenza caratteristica (tensione amm. per REGLES) per compressione
		Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
		Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
		Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
		Modulo E0,05	Modulo elastico parallelo caratteristico
		Lamellare	lamellare o massiccio

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

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

Modellazione di strutture in c.a.

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

Modellazione di strutture in acciaio

Test N°	Titolo
55	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
56	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
57	LUCE LIBERA DI COLONNE IN ACCIAIO
58	SVERGOLAMENTO DI TRAVI IN ACCIAIO
59	FATTORE DI STRUTTURA
60	ACCIAIO D.M.2008
61	ACCIAIO EC3
62	GERARCHIA RESISTENZE STRUTTURE IN ACCIAIO

63	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA IRRIGIDIMENTI TRASVERSALI
74	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI UN PIATTO DI RINFORZO SALDATO ALL'ANIMA DELLA COLONNA
75	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI DUE PIATTI DI RINFORZO SALDATI ALL'ANIMA DELLA COLONNA
76	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A DUE VIE SU ALI COLONNA
77	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A UNA VIA CON DUE COMBINAZIONI DI CARICO
78	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO SU ANIMA SENZA RINFORZI A QUATTRO FILE DI BULLONI DI CUI UNA SU PIASTRA INFERIORE E UNA SU PIASTRA SUPERIORE
79	VERIFICA DELLA PIASTRA NODO TRAVE COLONNA
85	TELAIO ACCIAIO: CONTROVENTI CONCENTRICI

Modellazione di strutture in muratura

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

Modellazione di strutture in legno

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

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
		kN/ m2	kN/ m2		kN/ m2	kN/ m3	
12	Acciaio Fe430 - S275		2.100e+08	0.30	8.077e+07	78.0	1.20e-05
	ft	4.300e+05					
	fy	2.750e+05					
	fd	2.750e+05					
	fdt	2.500e+05					
	sadm	1.900e+05					
	sadmt	1.700e+05					
62	Legno XLAM n. 1 verticali -legno E = 8.250e+04		8.250e+06	0.0	1.725e+05	5.0	0.0
	Modulo E0,05		8.250e+06				
	LamellareMateriale non massiccio e pertanto da considerare come lamellareSi						
	Resist. fc0k	100.0					
	Resist. ft0k	100.0					
	Resist. fmk	100.0					
	Resist. fvk	100.0					
64	Legno XLAM n. 3 verticale-legno E = 8.250e+04		8.250e+06	0.0	1.725e+05	5.0	1.00e-05
	Modulo E0,05		8.250e+06				
	LamellareMateriale non massiccio e pertanto da considerare come lamellareSi						

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
	Resist. fc0k	100.0					
	Resist. ft0k	100.0					
	Resist. fmk	100.0					
	Resist. fvk	100.0					
78	Legno lamellare omogeneo GL32h E = 1.420e+05-legno E = 1.420e+05		1.420e+07	0.0	6.500e+05	4.9	0.0
	Modulo E0,05		1.180e+07				
	LamellareMateriale non massiccio e pertanto da considerare come lamellareSi						
	Resist. fc0k	3.200e+04					
	Resist. ft0k	2.560e+04					
	Resist. fmk	3.200e+04					
	Resist. fvk	3500.0					

Aste acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Beta assegnato	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80			
Verifica come controvento	No	No	No	No	No	No
	No	No	No	No	No	No
	No	No	No			
Usa condizioni I e II	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
	Si	Si	Si			
Coefficiente gamma M0	1.05	1.05	1.05	1.05	1.05	1.05
	1.05	1.05	1.05	1.05	1.05	1.05
	1.05	1.05	1.05			
Coefficiente gamma M1	1.05	1.05	1.05	1.05	1.05	1.05
	1.05	1.05	1.05	1.05	1.05	1.05
	1.05	1.05	1.05			
Coefficiente gamma M2	1.25	1.25	1.25	1.25	1.25	1.25
	1.25	1.25	1.25	1.25	1.25	1.25
	1.25	1.25	1.25			

Pilastri acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
Metodo di calcolo 2-2	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
	Assegnato	Assegnato	Assegnato			
2-2 Beta assegnato	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00			
2-2 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
Metodo di calcolo 3-3	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
	Assegnato	Assegnato	Assegnato			
3-3 Beta assegnato	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00			
3-3 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
1-1 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00			
1-1 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
Generalità						
Coefficiente gamma M0	1.05	1.05	1.05	1.05	1.05	1.05
	1.05	1.05	1.05	1.05	1.05	1.05
	1.05	1.05	1.05			
Coefficiente gamma M1	1.05	1.05	1.05	1.05	1.05	1.05
	1.05	1.05	1.05	1.05	1.05	1.05
	1.05	1.05	1.05			
Coefficiente gamma M2	1.25	1.25	1.25	1.25	1.25	1.25
	1.25	1.25	1.25	1.25	1.25	1.25
	1.25	1.25	1.25			

Pilastri acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Effetti del 2 ordine	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
	Si	Si	Si			
Momenti equivalenti	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
	Si	Si	Si			
Usa condizioni I e II	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
	Si	Si	Si			

Travi acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
3-3 Beta * L automatico	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
	Si	Si	Si			
3-3 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00			
3-3 Beta assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
2-2 Beta * L automatico	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
	Si	Si	Si			
2-2 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00			
2-2 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
1-1 Beta * L automatico	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
	Si	Si	Si			
1-1 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00			
1-1 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
Generalità						
Coefficiente gamma M0	1.05	1.05	1.05	1.05	1.05	1.05
	1.05	1.05	1.05	1.05	1.05	1.05
	1.05	1.05	1.05			
Coefficiente gamma M1	1.05	1.05	1.05	1.05	1.05	1.05
	1.05	1.05	1.05	1.05	1.05	1.05
	1.05	1.05	1.05			
Coefficiente gamma M2	1.25	1.25	1.25	1.25	1.25	1.25
	1.25	1.25	1.25	1.25	1.25	1.25
	1.25	1.25	1.25			
Luce di taglio per GR [cm]	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00			
Usa condizioni I e II	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
	Si	Si	Si			
Momenti equivalenti	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
	Si	Si	Si			

Legno	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
aste						
Beta assegnato	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80			
travi						
3-3 Beta * L automatico	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
	Si	Si	Si			
3-3 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00

Legno	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00			
3-3 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
2-2 Beta * L automatico	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
	Si	Si	Si			
2-2 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00			
2-2 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
1-1 Beta * L automatico	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
	Si	Si	Si			
1-1 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00			
1-1 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
pilastri						
Metodo di calcolo 3-3	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
	Assegnato	Assegnato	Assegnato			
3-3 Beta assegnato	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00			
3-3 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
Metodo di calcolo 2-2	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
	Assegnato	Assegnato	Assegnato			
2-2 Beta assegnato	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00			
2-2 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
1-1 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00			
1-1 Beta * L assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
Generalità						
Gamma non sismico	1.45	1.45	1.45	1.45	1.45	1.45
	1.45	1.45	1.45	1.45	1.45	1.45
	1.45	1.45	1.45			
Gamma sismico	1.45	1.45	1.45	1.45	1.45	1.45
	1.45	1.45	1.45	1.45	1.45	1.45
	1.45	1.45	1.45			
Fattore di confidenza FC	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
Classificazione						
Classe di servizio	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)
	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)
	2 (media umidità)	2 (media umidità)	2 (media umidità)			

Legno	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Per classe di servizio 1						
Kmod permanente	0.60	0.60	0.60	0.60	0.60	0.60
	0.60	0.60	0.60	0.60	0.60	0.60
	0.60	0.60	0.60			
Kmod lunga	0.70	0.70	0.70	0.70	0.70	0.70
	0.70	0.70	0.70	0.70	0.70	0.70
	0.70	0.70	0.70			
Kmod media	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80			
Kmod breve	0.90	0.90	0.90	0.90	0.90	0.90
	0.90	0.90	0.90	0.90	0.90	0.90
	0.90	0.90	0.90			
Kmod istantanea	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00			
Kdef	0.60	0.60	0.60	0.60	0.60	0.60
	0.60	0.60	0.60	0.60	0.60	0.60
	0.60	0.60	0.60			
Per classe di servizio 2						
Kmod permanente	0.60	0.60	0.60	0.60	0.60	0.60
	0.60	0.60	0.60	0.60	0.60	0.60
	0.60	0.60	0.60			
Kmod lunga	0.70	0.70	0.70	0.70	0.70	0.70
	0.70	0.70	0.70	0.70	0.70	0.70
	0.70	0.70	0.70			
Kmod media	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80			
Kmod breve	0.90	0.90	0.90	0.90	0.90	0.90
	0.90	0.90	0.90	0.90	0.90	0.90
	0.90	0.90	0.90			
Kmod istantanea	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00			
Kdef	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80			
Per classe di servizio 3						
Kmod permanente	0.50	0.50	0.50	0.50	0.50	0.50
	0.50	0.50	0.50	0.50	0.50	0.50
	0.50	0.50	0.50			
Kmod lunga	0.55	0.55	0.55	0.55	0.55	0.55
	0.55	0.55	0.55	0.55	0.55	0.55
	0.55	0.55	0.55			
Kmod media	0.65	0.65	0.65	0.65	0.65	0.65
	0.65	0.65	0.65	0.65	0.65	0.65
	0.65	0.65	0.65			
Kmod breve	0.70	0.70	0.70	0.70	0.70	0.70
	0.70	0.70	0.70	0.70	0.70	0.70
	0.70	0.70	0.70			
Kmod istantanea	0.90	0.90	0.90	0.90	0.90	0.90
	0.90	0.90	0.90	0.90	0.90	0.90
	0.90	0.90	0.90			
Kdef	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00			

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

XLAM	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Verifica M da M.5-45	No	No	No	No	No	No
	No	No	No	No	No	No
	No	No	No			
Media valori elementi	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
	Si	Si	Si			
Connessioni pareti						
rvpk [kN/ m]	90.00	90.00	90.00	60.00	90.00	120.00
	120.00	60.00	74.00	37.00	37.00	74.00
	37.00	111.00	74.00			
rvtk [kN/ m]	90.00	90.00	90.00	60.00	90.00	120.00
	120.00	60.00	74.00	37.00	37.00	74.00
	37.00	111.00	74.00			
rvlk [kN/ m]	80.00	80.00	80.00	80.00	80.00	80.00
	80.00	80.00	120.00	120.00	120.00	120.00
	120.00	120.00	120.00			
RHk [kN]	285.00	190.00	95.29	95.29	381.00	381.00
	190.00	190.00	107.00	107.00	53.52	160.00
	160.00	31.00	207.00			
dH [cm]	10.00	10.00	10.00	10.00	10.00	10.00
	10.00	10.00	10.00	10.00	10.00	10.00
	10.00	10.00	10.00			
fcH90k [kN/ m2]	15750.00	15750.00	15750.00	15750.00	15750.00	15750.00
	15750.00	15750.00	15750.00	15750.00	15750.00	15750.00
	15750.00	15750.00	15750.00			
Pannelli solaio						
f ist<L/	500.00	500.00	500.00	500.00	500.00	500.00
	500.00	500.00	500.00	500.00	500.00	500.00
	500.00	500.00	500.00			
f inf<L/	350.00	350.00	350.00	350.00	350.00	350.00
	350.00	350.00	350.00	350.00	350.00	350.00
	350.00	350.00	350.00			
Verifica vibrazioni (EC5 7.3)	No	No	No	No	No	No
	No	No	No	No	No	No
	No	No	No			
E massetto collaborante [kN/ m2]	2.000e+07	2.000e+07	2.000e+07	2.000e+07	2.000e+07	2.000e+07
	2.000e+07	2.000e+07	2.000e+07	2.000e+07	2.000e+07	2.000e+07
	2.000e+07	2.000e+07	2.000e+07			
t massetto collaborante [cm]	4.00	4.00	4.00	4.00	4.00	4.00
	4.00	4.00	4.00	4.00	4.00	4.00
	4.00	4.00	4.00			
Smorzamento percentuale	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
Resistenza al fuoco						
Spessore carbonizzazione [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0			
3- intradosso	No	No	No	No	No	No
	No	No	No	No	No	No
	No	No	No			
3+ estradosso	No	No	No	No	No	No
	No	No	No	No	No	No
	No	No	No			

21 MODELLAZIONE DELLE SEZIONI

21.1 LEGENDA TABELLA DATI SEZIONI

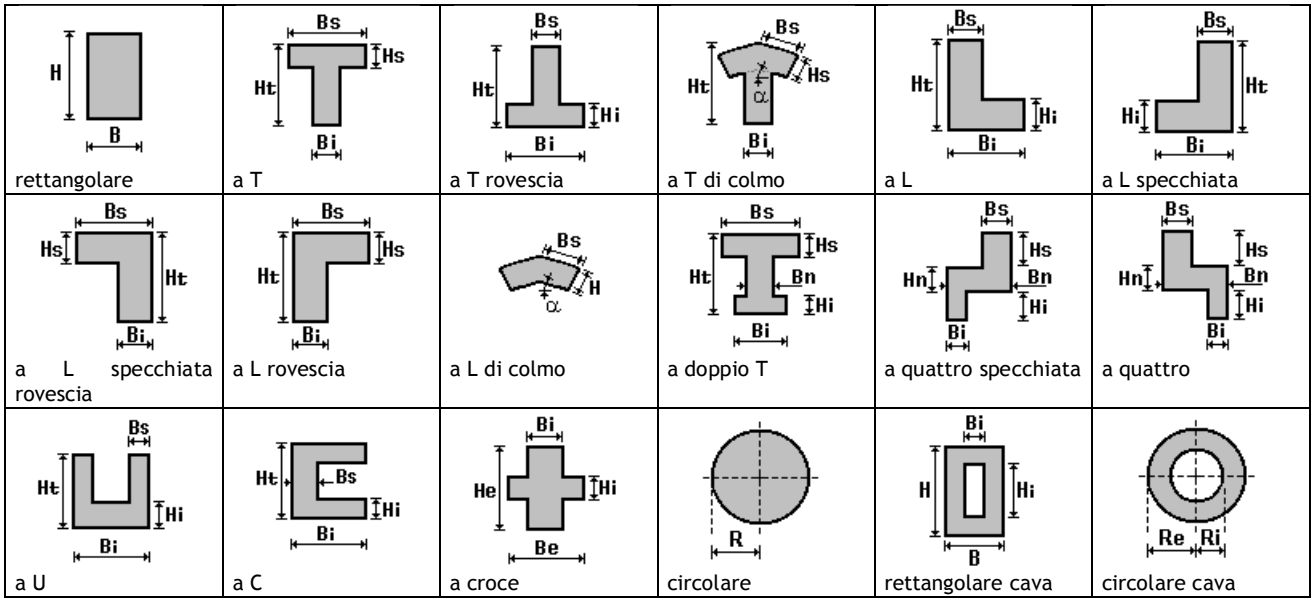
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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

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

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

I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.



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

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

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

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

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

Test N°	Titolo
1	CARATTERISTICHE GEOMETRICHE E INERZIALI
45	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
49	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008

50	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
51	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
104	ANALISI DI RESISTENZA AL FUOCO

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	solaio legno 22 cm-Rettangolare: b=100 h=22	2200.00	1833.33	1833.33	3.057e+05	1.833e+06	8.873e+04	3.667e+04	8066.67	5.500e+04	1.210e+04
2	trave sbalzo-Rettangolare: b=16 h=56	896.00	746.67	746.67	6.270e+04	1.911e+04	2.342e+05	2389.33	8362.67	3584.00	1.254e+04
3	trave sbalzi 16x40-Rettangolare: b=16 h=40	640.00	533.33	533.33	4.085e+04	1.365e+04	8.533e+04	1706.67	4266.67	2560.00	6400.00
4	solaio legno 18 cm-Rettangolare: b=100 h=18	1800.00	1500.00	1500.00	1.724e+05	1.500e+06	4.860e+04	3.000e+04	5400.00	4.500e+04	8100.00
5	trave sala conferenze-Rettangolare: b=32 h=56	1792.00	1493.33	1493.33	3.915e+05	1.529e+05	4.683e+05	9557.33	1.673e+04	1.434e+04	2.509e+04
6	trave 16x36-Rettangolare: b=16 h=36	576.00	480.00	480.00	3.539e+04	1.229e+04	6.221e+04	1536.00	3456.00	2304.00	5184.00
7	HEB 160	54.30	0.0	0.0	31.20	889.00	2492.00	111.20	311.50	170.00	354.00

22 MODELLAZIONE STRUTTURA: NODI

22.1 LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

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

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

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

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

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

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

22.1.1 TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
2	45.2	-57.5	50.0	3	101.2	-57.5	50.0	5	45.2	-57.5	100.0
6	101.2	-57.5	100.0	7	45.2	-57.5	150.0	8	101.2	-57.5	150.0
9	157.2	-57.5	50.0	11	157.2	-57.5	100.0	12	157.2	-57.5	150.0
13	45.2	-57.5	200.0	14	101.2	-57.5	200.0	15	45.2	-57.5	250.0
16	101.2	-57.5	250.0	17	157.2	-57.5	200.0	18	157.2	-57.5	250.0
19	45.2	-57.5	295.0	20	101.2	-57.5	295.0	21	45.2	-57.5	340.0
22	101.2	-57.5	340.0	23	157.2	-57.5	295.0	24	157.2	-57.5	340.0
26	337.2	-57.5	50.0	27	367.2	-57.5	50.0	29	337.2	-57.5	100.0
30	367.2	-57.5	100.0	31	337.2	-57.5	150.0	32	367.2	-57.5	150.0
33	397.2	-57.5	50.0	35	397.2	-57.5	100.0	36	397.2	-57.5	150.0
37	337.2	-57.5	200.0	38	367.2	-57.5	200.0	39	337.2	-57.5	250.0
40	367.2	-57.5	250.0	41	397.2	-57.5	200.0	42	397.2	-57.5	250.0
43	337.2	-57.5	295.0	44	367.2	-57.5	295.0	45	337.2	-57.5	340.0
46	367.2	-57.5	340.0	47	397.2	-57.5	295.0	48	397.2	-57.5	340.0
49	202.2	-57.5	50.0	51	202.2	-57.5	100.0	52	202.2	-57.5	150.0
53	247.2	-57.5	50.0	55	247.2	-57.5	100.0	56	247.2	-57.5	150.0
57	292.2	-57.5	50.0	59	292.2	-57.5	100.0	60	292.2	-57.5	150.0
61	202.2	-57.5	295.0	62	202.2	-57.5	250.0	63	202.2	-57.5	340.0
64	247.2	-57.5	295.0	65	247.2	-57.5	250.0	66	247.2	-57.5	340.0
67	292.2	-57.5	295.0	68	292.2	-57.5	250.0	69	292.2	-57.5	340.0
71	665.2	-57.5	50.0	72	621.2	-57.5	50.0	74	665.2	-57.5	100.0
75	621.2	-57.5	100.0	76	665.2	-57.5	150.0	77	621.2	-57.5	150.0
78	577.2	-57.5	50.0	80	577.2	-57.5	100.0	81	577.2	-57.5	150.0
82	665.2	-57.5	200.0	83	621.2	-57.5	200.0	84	665.2	-57.5	250.0
85	621.2	-57.5	250.0	86	577.2	-57.5	200.0	87	577.2	-57.5	250.0
88	665.2	-57.5	295.0	89	621.2	-57.5	295.0	90	665.2	-57.5	340.0

91	621.2	-57.5	340.0	92	577.2	-57.5	295.0	93	577.2	-57.5	340.0
94	532.2	-57.5	50.0	96	532.2	-57.5	100.0	97	532.2	-57.5	150.0
98	487.2	-57.5	50.0	100	487.2	-57.5	100.0	101	487.2	-57.5	150.0
102	442.2	-57.5	50.0	104	442.2	-57.5	100.0	105	442.2	-57.5	150.0
106	532.2	-57.5	295.0	107	532.2	-57.5	250.0	108	532.2	-57.5	340.0
109	487.2	-57.5	295.0	110	487.2	-57.5	250.0	111	487.2	-57.5	340.0
112	442.2	-57.5	295.0	113	442.2	-57.5	250.0	114	442.2	-57.5	340.0
115	719.6	-57.5	50.0	117	719.6	-57.5	100.0	118	719.6	-57.5	150.0
119	774.0	-57.5	50.0	121	774.0	-57.5	100.0	122	774.0	-57.5	150.0
123	828.4	-57.5	50.0	125	828.4	-57.5	100.0	126	828.4	-57.5	150.0
127	882.8	-57.5	50.0	129	882.8	-57.5	100.0	130	882.8	-57.5	150.0
131	937.2	-57.5	50.0	133	937.2	-57.5	100.0	134	937.2	-57.5	150.0
135	719.6	-57.5	200.0	136	719.6	-57.5	250.0	137	774.0	-57.5	200.0
138	774.0	-57.5	250.0	139	828.4	-57.5	200.0	140	828.4	-57.5	250.0
141	882.8	-57.5	200.0	142	882.8	-57.5	250.0	143	937.2	-57.5	200.0
144	937.2	-57.5	250.0	145	719.6	-57.5	295.0	146	719.6	-57.5	340.0
147	774.0	-57.5	295.0	148	774.0	-57.5	340.0	149	828.4	-57.5	295.0
150	828.4	-57.5	340.0	151	882.8	-57.5	295.0	152	882.8	-57.5	340.0
153	937.2	-57.5	295.0	154	937.2	-57.5	340.0	156	1117.2	-57.5	50.0
157	1170.8	-57.5	50.0	159	1117.2	-57.5	100.0	160	1170.8	-57.5	100.0
161	1117.2	-57.5	150.0	162	1170.8	-57.5	150.0	163	1224.4	-57.5	50.0
165	1224.4	-57.5	100.0	166	1224.4	-57.5	150.0	167	1278.0	-57.5	50.0
169	1278.0	-57.5	100.0	170	1278.0	-57.5	150.0	171	1331.6	-57.5	50.0
173	1331.6	-57.5	100.0	174	1331.6	-57.5	150.0	175	1385.2	-57.5	50.0
177	1385.2	-57.5	100.0	178	1385.2	-57.5	150.0	179	1117.2	-57.5	200.0
180	1170.8	-57.5	200.0	181	1117.2	-57.5	250.0	182	1170.8	-57.5	250.0
183	1224.4	-57.5	200.0	184	1224.4	-57.5	250.0	185	1278.0	-57.5	200.0
186	1278.0	-57.5	250.0	187	1331.6	-57.5	200.0	188	1331.6	-57.5	250.0
189	1385.2	-57.5	200.0	190	1385.2	-57.5	250.0	191	1117.2	-57.5	295.0
192	1170.8	-57.5	295.0	193	1117.2	-57.5	340.0	194	1170.8	-57.5	340.0
195	1224.4	-57.5	295.0	196	1224.4	-57.5	340.0	197	1278.0	-57.5	295.0
198	1278.0	-57.5	340.0	199	1331.6	-57.5	295.0	200	1331.6	-57.5	340.0
201	1385.2	-57.5	295.0	202	1385.2	-57.5	340.0	203	1431.2	-57.5	50.0
205	1431.2	-57.5	100.0	206	1431.2	-57.5	150.0	207	1477.2	-57.5	50.0
209	1477.2	-57.5	100.0	210	1477.2	-57.5	150.0	211	1431.2	-57.5	200.0
212	1431.2	-57.5	250.0	213	1477.2	-57.5	200.0	214	1477.2	-57.5	250.0
215	1431.2	-57.5	295.0	216	1431.2	-57.5	340.0	217	1477.2	-57.5	295.0
218	1477.2	-57.5	340.0	220	1657.2	-57.5	50.0	221	1687.2	-57.5	50.0
223	1657.2	-57.5	100.0	224	1687.2	-57.5	100.0	225	1657.2	-57.5	150.0
226	1687.2	-57.5	150.0	227	1717.2	-57.5	50.0	229	1717.2	-57.5	100.0
230	1717.2	-57.5	150.0	231	1657.2	-57.5	200.0	232	1687.2	-57.5	200.0
233	1657.2	-57.5	250.0	234	1687.2	-57.5	250.0	235	1717.2	-57.5	200.0
236	1717.2	-57.5	250.0	237	1657.2	-57.5	295.0	238	1687.2	-57.5	295.0
239	1657.2	-57.5	340.0	240	1687.2	-57.5	340.0	241	1717.2	-57.5	295.0
242	1717.2	-57.5	340.0	244	1897.2	-57.5	50.0	245	1949.2	-57.5	50.0
247	1897.2	-57.5	100.0	248	1949.2	-57.5	100.0	249	1897.2	-57.5	150.0
250	1949.2	-57.5	150.0	251	2001.2	-57.5	50.0	253	2001.2	-57.5	100.0
254	2001.2	-57.5	150.0	255	2053.2	-57.5	50.0	257	2053.2	-57.5	100.0
258	2053.2	-57.5	150.0	259	2105.2	-57.5	50.0	261	2105.2	-57.5	100.0
262	2105.2	-57.5	150.0	263	1897.2	-57.5	200.0	264	1949.2	-57.5	200.0
265	1897.2	-57.5	250.0	266	1949.2	-57.5	250.0	267	2001.2	-57.5	200.0
268	2001.2	-57.5	250.0	269	2053.2	-57.5	200.0	270	2053.2	-57.5	250.0
271	2105.2	-57.5	200.0	272	2105.2	-57.5	250.0	273	1897.2	-57.5	295.0
274	1949.2	-57.5	295.0	275	1897.2	-57.5	340.0	276	1949.2	-57.5	340.0
277	2001.2	-57.5	295.0	278	2001.2	-57.5	340.0	279	2053.2	-57.5	295.0
280	2053.2	-57.5	340.0	281	2105.2	-57.5	295.0	282	2105.2	-57.5	340.0
283	2105.2	-5.5	50.0	285	2105.2	-5.5	100.0	286	2105.2	-5.5	150.0
287	2105.2	46.5	50.0	289	2105.2	46.5	100.0	290	2105.2	46.5	150.0
291	2105.2	98.5	50.0	293	2105.2	98.5	100.0	294	2105.2	98.5	150.0
295	2105.2	150.5	50.0	297	2105.2	150.5	100.0	298	2105.2	150.5	150.0
299	2105.2	-5.5	200.0	300	2105.2	-5.5	250.0	301	2105.2	46.5	200.0
302	2105.2	46.5	250.0	303	2105.2	98.5	200.0	304	2105.2	98.5	250.0
305	2105.2	150.5	200.0	306	2105.2	150.5	250.0	307	2105.2	-5.5	295.0
308	2105.2	-5.5	340.0	309	2105.2	46.5	295.0	310	2105.2	46.5	340.0
311	2105.2	98.5	295.0	312	2105.2	98.5	340.0	313	2105.2	150.5	295.0
314	2105.2	150.5	340.0	316	2105.2	330.5	50.0	317	2105.2	360.5	50.0
319	2105.2	330.5	100.0	320	2105.2	360.5	100.0	321	2105.2	330.5	150.0
322	2105.2	360.5	150.0	323	2105.2	390.5	50.0	325	2105.2	390.5	100.0
326	2105.2	390.5	150.0	327	2105.2	330.5	200.0	328	2105.2	360.5	200.0
329	2105.2	330.5	250.0	330	2105.2	360.5	250.0	331	2105.2	390.5	200.0
332	2105.2	390.5	250.0	333	2105.2	330.5	295.0	334	2105.2	360.5	295.0
335	2105.2	330.5	340.0	336	2105.2	360.5	340.0	337	2105.2	390.5	295.0
338	2105.2	390.5	340.0	340	2105.2	570.5	50.0	341	2105.2	625.8	50.0
343	2105.2	570.5	100.0	344	2105.2	625.8	100.0	345	2105.2	570.5	150.0
346	2105.2	625.8	150.0	347	2105.2	681.2	50.0	349	2105.2	681.2	100.0

350	2105.2	681.2	150.0	351	2105.2	736.5	50.0	353	2105.2	736.5	100.0
354	2105.2	736.5	150.0	355	2105.2	791.8	50.0	357	2105.2	791.8	100.0
358	2105.2	791.8	150.0	359	2105.2	847.2	50.0	361	2105.2	847.2	100.0
362	2105.2	847.2	150.0	363	2105.2	902.5	50.0	365	2105.2	902.5	100.0
366	2105.2	902.5	150.0	367	2105.2	570.5	200.0	368	2105.2	625.8	200.0
369	2105.2	570.5	250.0	370	2105.2	625.8	250.0	371	2105.2	681.2	200.0
372	2105.2	681.2	250.0	373	2105.2	736.5	200.0	374	2105.2	736.5	250.0
375	2105.2	791.8	200.0	376	2105.2	791.8	250.0	377	2105.2	847.2	200.0
378	2105.2	847.2	250.0	379	2105.2	902.5	200.0	380	2105.2	902.5	250.0
381	2105.2	570.5	295.0	382	2105.2	625.8	295.0	383	2105.2	570.5	340.0
384	2105.2	625.8	340.0	385	2105.2	681.2	295.0	386	2105.2	681.2	340.0
387	2105.2	736.5	295.0	388	2105.2	736.5	340.0	389	2105.2	791.8	295.0
390	2105.2	791.8	340.0	391	2105.2	847.2	295.0	392	2105.2	847.2	340.0
393	2105.2	902.5	295.0	394	2105.2	902.5	340.0	395	2105.2	930.5	50.0
397	2105.2	930.5	100.0	398	2105.2	930.5	150.0	399	2105.2	930.5	200.0
400	2105.2	930.5	250.0	401	2105.2	930.5	295.0	402	2105.2	930.5	340.0
403	1278.0	-57.5	393.3	404	1278.0	-57.5	446.7	405	1331.6	-57.5	393.3
406	1331.6	-57.5	446.7	407	1278.0	-57.5	500.0	408	1331.6	-57.5	500.0
409	1278.0	-57.5	550.0	410	1331.6	-57.5	550.0	411	2105.2	1227.8	50.0
413	2105.2	1227.8	100.0	414	2105.2	1227.8	150.0	415	2105.2	1286.5	50.0
417	2105.2	1286.5	100.0	418	2105.2	1286.5	150.0	419	2105.2	1345.2	50.0
421	2105.2	1345.2	100.0	422	2105.2	1345.2	150.0	423	2105.2	1403.8	50.0
425	2105.2	1403.8	100.0	426	2105.2	1403.8	150.0	427	1737.2	1462.5	50.0
429	1737.2	1462.5	100.0	430	1737.2	1462.5	150.0	431	1278.0	-57.5	600.0
432	1331.6	-57.5	600.0	433	1278.0	-57.5	650.0	434	1331.6	-57.5	650.0
435	2105.2	1227.8	200.0	436	2105.2	1227.8	250.0	437	2105.2	1286.5	200.0
438	2105.2	1286.5	250.0	439	2105.2	1345.2	200.0	440	2105.2	1345.2	250.0
441	2105.2	1403.8	200.0	442	2105.2	1403.8	250.0	443	1737.2	1462.5	200.0
444	1737.2	1462.5	250.0	445	1278.0	-57.5	700.0	446	1331.6	-57.5	700.0
447	2105.2	988.0	650.0	448	2105.2	988.0	700.0	449	2105.2	1227.8	295.0
450	2105.2	1227.8	340.0	451	2105.2	1286.5	295.0	452	2105.2	1286.5	340.0
453	2105.2	1345.2	295.0	454	2105.2	1345.2	340.0	455	2105.2	1403.8	295.0
456	2105.2	1403.8	340.0	457	1737.2	1462.5	295.0	458	1737.2	1462.5	340.0
459	1737.2	1496.5	50.0	461	1737.2	1496.5	100.0	462	1737.2	1496.5	150.0
463	1737.2	1530.5	50.0	465	1737.2	1530.5	100.0	466	1737.2	1530.5	150.0
467	1737.2	1496.5	200.0	468	1737.2	1496.5	250.0	469	1737.2	1530.5	200.0
470	1737.2	1530.5	250.0	471	1737.2	1496.5	295.0	472	1737.2	1496.5	340.0
473	1737.2	1530.5	295.0	474	1737.2	1530.5	340.0	476	1737.2	1950.5	50.0
477	1737.2	2002.5	50.0	479	1737.2	1950.5	100.0	480	1737.2	2002.5	100.0
481	1737.2	1950.5	150.0	482	1737.2	2002.5	150.0	483	1737.2	1950.5	200.0
484	1737.2	2002.5	200.0	485	1737.2	1950.5	250.0	486	1737.2	2002.5	250.0
487	1737.2	1950.5	295.0	488	1737.2	2002.5	295.0	489	1737.2	1950.5	340.0
490	1737.2	2002.5	340.0	491	2052.6	2002.5	50.0	493	2052.6	2002.5	100.0
494	2052.6	2002.5	150.0	495	2000.0	2002.5	50.0	497	2000.0	2002.5	100.0
498	2000.0	2002.5	150.0	499	1947.5	2002.5	50.0	501	1947.5	2002.5	100.0
502	1947.5	2002.5	150.0	503	1894.9	2002.5	50.0	505	1894.9	2002.5	100.0
506	1894.9	2002.5	150.0	507	1842.3	2002.5	50.0	509	1842.3	2002.5	100.0
510	1842.3	2002.5	150.0	511	1789.8	2002.5	50.0	513	1789.8	2002.5	100.0
514	1789.8	2002.5	150.0	515	1842.3	1530.5	295.0	516	1842.3	1530.5	340.0
518	1842.3	1950.5	50.0	519	2052.6	2002.5	200.0	520	2052.6	2002.5	250.0
521	2000.0	2002.5	200.0	522	2000.0	2002.5	250.0	523	1947.5	2002.5	200.0
524	1947.5	2002.5	250.0	525	1894.9	2002.5	200.0	526	1894.9	2002.5	250.0
527	1842.3	2002.5	200.0	528	1842.3	2002.5	250.0	529	1789.8	2002.5	200.0
530	1789.8	2002.5	250.0	531	1842.3	1496.5	700.0	532	2105.2	1462.5	393.3
533	2052.6	2002.5	295.0	534	2052.6	2002.5	340.0	535	2000.0	2002.5	295.0
536	2000.0	2002.5	340.0	537	1947.5	2002.5	295.0	538	1947.5	2002.5	340.0
539	1894.9	2002.5	295.0	540	1894.9	2002.5	340.0	541	1842.3	2002.5	295.0
542	1842.3	2002.5	340.0	543	1789.8	2002.5	295.0	544	1789.8	2002.5	340.0
545	1842.3	1950.5	100.0	546	2105.2	1462.5	446.7	548	1500.9	2002.5	50.0
549	1441.8	2002.5	50.0	551	1500.9	2002.5	100.0	552	1441.8	2002.5	100.0
553	1500.9	2002.5	150.0	554	1441.8	2002.5	150.0	555	1386.5	2002.5	50.0
557	1386.5	2002.5	100.0	558	1386.5	2002.5	150.0	559	1331.2	2002.5	50.0
561	1331.2	2002.5	100.0	562	1331.2	2002.5	150.0	563	1275.8	2002.5	50.0
565	1275.8	2002.5	100.0	566	1275.8	2002.5	150.0	567	1220.5	2002.5	50.0
569	1220.5	2002.5	100.0	570	1220.5	2002.5	150.0	571	1165.2	2002.5	50.0
573	1165.2	2002.5	100.0	574	1165.2	2002.5	150.0	575	1500.9	2002.5	200.0
576	1441.8	2002.5	200.0	577	1500.9	2002.5	250.0	578	1441.8	2002.5	250.0
579	1386.5	2002.5	200.0	580	1386.5	2002.5	250.0	581	1331.2	2002.5	200.0
582	1331.2	2002.5	250.0	583	1275.8	2002.5	200.0	584	1275.8	2002.5	250.0
585	1220.5	2002.5	200.0	586	1220.5	2002.5	250.0	587	1165.2	2002.5	200.0
588	1165.2	2002.5	250.0	589	1500.9	2002.5	295.0	590	1441.8	2002.5	295.0
591	1500.9	2002.5	340.0	592	1441.8	2002.5	340.0	593	1386.5	2002.5	295.0
594	1386.5	2002.5	340.0	595	1331.2	2002.5	295.0	596	1331.2	2002.5	340.0
597	1275.8	2002.5	295.0	598	1275.8	2002.5	340.0	599	1220.5	2002.5	295.0
600	1220.5	2002.5	340.0	601	1165.2	2002.5	295.0	602	1165.2	2002.5	340.0

603	2051.7	1462.5	50.0	605	2051.7	1462.5	100.0	606	2051.7	1462.5	150.0
607	1998.2	1462.5	50.0	609	1998.2	1462.5	100.0	610	1998.2	1462.5	150.0
611	1944.7	1462.5	50.0	613	1944.7	1462.5	100.0	614	1944.7	1462.5	150.0
615	1891.2	1462.5	50.0	617	1891.2	1462.5	100.0	618	1891.2	1462.5	150.0
619	1842.3	1462.5	50.0	621	1842.3	1462.5	100.0	622	1842.3	1462.5	150.0
623	1784.2	1462.5	50.0	625	1784.2	1462.5	100.0	626	1784.2	1462.5	150.0
627	1842.3	1950.5	150.0	628	2105.2	1462.5	500.0	629	1842.3	1950.5	200.0
630	2105.2	1462.5	550.0	631	1677.2	1462.5	50.0	633	1677.2	1462.5	100.0
634	1677.2	1462.5	150.0	635	2051.7	1462.5	200.0	636	2051.7	1462.5	250.0
637	1998.2	1462.5	200.0	638	1998.2	1462.5	250.0	639	1944.7	1462.5	200.0
640	1944.7	1462.5	250.0	641	1891.2	1462.5	200.0	642	1891.2	1462.5	250.0
643	1842.3	1462.5	200.0	644	1842.3	1462.5	250.0	645	1784.2	1462.5	200.0
646	1784.2	1462.5	250.0	647	1842.3	1950.5	250.0	648	2105.2	1462.5	600.0
649	1677.2	1462.5	200.0	650	1677.2	1462.5	250.0	651	2051.7	1462.5	295.0
652	2051.7	1462.5	340.0	653	1998.2	1462.5	295.0	654	1998.2	1462.5	340.0
655	1944.7	1462.5	295.0	656	1944.7	1462.5	340.0	657	1891.2	1462.5	295.0
658	1891.2	1462.5	340.0	659	1842.3	1462.5	295.0	660	1842.3	1462.5	340.0
661	1784.2	1462.5	295.0	662	1784.2	1462.5	340.0	663	1842.3	1950.5	295.0
664	2105.2	1462.5	650.0	665	1677.2	1462.5	295.0	666	1677.2	1462.5	340.0
667	1842.3	1496.5	550.0	668	1842.3	1530.5	600.0	669	1385.2	1462.5	50.0
671	1842.3	1496.5	600.0	672	1385.2	1462.5	100.0	673	1842.3	1530.5	650.0
674	1385.2	1462.5	150.0	675	1842.3	1496.5	650.0	676	1385.2	1462.5	200.0
677	1842.3	1530.5	700.0	678	1385.2	1462.5	250.0	679	1842.3	1496.5	50.0
680	1385.2	1462.5	295.0	681	1437.2	1462.5	340.0	682	1385.2	1462.5	340.0
684	1581.2	1462.5	340.0	685	1842.3	1496.5	100.0	686	1842.3	1496.5	150.0
687	1533.2	1462.5	340.0	688	1842.3	1530.5	50.0	690	1485.2	1462.5	340.0
691	1842.3	1530.5	100.0	692	1842.3	1530.5	150.0	693	1629.2	1462.5	340.0
694	1842.3	1496.5	200.0	695	1385.2	1414.5	50.0	697	1385.2	1414.5	100.0
698	1385.2	1414.5	150.0	699	1385.2	1366.5	50.0	701	1385.2	1366.5	100.0
702	1385.2	1366.5	150.0	703	1385.2	1318.5	50.0	705	1385.2	1318.5	100.0
706	1385.2	1318.5	150.0	707	1385.2	1270.5	50.0	709	1385.2	1270.5	100.0
710	1385.2	1270.5	150.0	711	1385.2	1414.5	200.0	712	1385.2	1414.5	250.0
713	1385.2	1366.5	200.0	714	1385.2	1366.5	250.0	715	1385.2	1318.5	200.0
716	1385.2	1318.5	250.0	717	1385.2	1270.5	200.0	718	1385.2	1270.5	250.0
719	1385.2	1414.5	295.0	720	1385.2	1414.5	340.0	721	1385.2	1366.5	295.0
722	1385.2	1366.5	340.0	723	1385.2	1318.5	295.0	724	1385.2	1318.5	340.0
725	1385.2	1270.5	295.0	726	1385.2	1270.5	340.0	727	1385.2	1067.5	500.0
728	1385.2	1067.5	550.0	729	1385.2	1067.5	806.7	730	1385.2	1067.5	860.0
731	1385.2	1067.5	600.0	732	1385.2	1067.5	1060.0	733	1385.2	1067.5	650.0
734	1385.2	1067.5	960.0	735	1385.2	1067.5	50.0	737	1385.2	1067.5	100.0
738	1385.2	1067.5	150.0	739	1385.2	1001.7	50.0	741	1385.2	1001.7	100.0
742	1385.2	1001.7	150.0	743	1385.2	952.1	50.0	745	1385.2	952.1	100.0
746	1385.2	952.1	150.0	747	1385.2	902.5	50.0	749	1385.2	902.5	100.0
750	1385.2	902.5	150.0	751	1385.2	1067.5	700.0	752	1385.2	1067.5	753.3
753	1385.2	1212.5	806.7	754	1385.2	1067.5	910.0	755	1385.2	1067.5	200.0
756	1385.2	1067.5	250.0	757	1385.2	1001.7	200.0	758	1385.2	1001.7	250.0
759	1385.2	952.1	200.0	760	1385.2	952.1	250.0	761	1385.2	902.5	200.0
762	1385.2	902.5	250.0	763	1385.2	1212.5	860.0	764	1385.2	1067.5	1010.0
765	1629.2	1462.5	600.0	766	1581.2	1462.5	600.0	767	1385.2	1067.5	295.0
768	1385.2	1067.5	340.0	769	1385.2	1001.7	295.0	770	1385.2	1001.7	340.0
771	1385.2	952.1	295.0	772	1385.2	952.1	340.0	773	1385.2	902.5	295.0
774	1385.2	902.5	340.0	775	1533.2	1462.5	600.0	776	1385.2	1212.5	200.0
777	1385.2	1212.5	250.0	778	2049.8	902.5	50.0	780	2049.8	902.5	100.0
781	2049.8	902.5	150.0	782	1994.4	902.5	50.0	784	1994.4	902.5	100.0
785	1994.4	902.5	150.0	786	1939.0	902.5	50.0	788	1939.0	902.5	100.0
789	1939.0	902.5	150.0	790	1883.6	902.5	50.0	792	1883.6	902.5	100.0
793	1883.6	902.5	150.0	794	1828.3	902.5	50.0	796	1828.3	902.5	100.0
797	1828.3	902.5	150.0	798	1772.9	902.5	50.0	800	1772.9	902.5	100.0
801	1772.9	902.5	150.0	802	1717.5	902.5	50.0	804	1717.5	902.5	100.0
805	1717.5	902.5	150.0	806	1662.1	902.5	50.0	808	1662.1	902.5	100.0
809	1662.1	902.5	150.0	810	1606.7	902.5	50.0	812	1606.7	902.5	100.0
813	1606.7	902.5	150.0	814	1551.3	902.5	50.0	816	1551.3	902.5	100.0
817	1551.3	902.5	150.0	818	1496.0	902.5	50.0	820	1496.0	902.5	100.0
821	1496.0	902.5	150.0	822	1440.6	902.5	50.0	824	1440.6	902.5	100.0
825	1440.6	902.5	150.0	826	2049.8	902.5	200.0	827	2049.8	902.5	250.0
828	1994.4	902.5	200.0	829	1994.4	902.5	250.0	830	1939.0	902.5	200.0
831	1939.0	902.5	250.0	832	1883.6	902.5	200.0	833	1883.6	902.5	250.0
834	1828.3	902.5	200.0	835	1828.3	902.5	250.0	836	1772.9	902.5	200.0
837	1772.9	902.5	250.0	838	1717.5	902.5	200.0	839	1717.5	902.5	250.0
840	1662.1	902.5	200.0	841	1662.1	902.5	250.0	842	1606.7	902.5	200.0
843	1606.7	902.5	250.0	844	1551.3	902.5	200.0	845	1551.3	902.5	250.0
846	1496.0	902.5	200.0	847	1496.0	902.5	250.0	848	1440.6	902.5	200.0
849	1440.6	902.5	250.0	850	2049.8	902.5	295.0	851	2049.8	902.5	340.0
852	1994.4	902.5	295.0	853	1994.4	902.5	340.0	854	1939.0	902.5	295.0
855	1939.0	902.5	340.0	856	1883.6	902.5	295.0	857	1883.6	902.5	340.0

858	1828.3	902.5	295.0	859	1828.3	902.5	340.0	860	1772.9	902.5	295.0
861	1772.9	902.5	340.0	862	1717.5	902.5	295.0	863	1717.5	902.5	340.0
864	1662.1	902.5	295.0	865	1662.1	902.5	340.0	866	1606.7	902.5	295.0
867	1606.7	902.5	340.0	868	1551.3	902.5	295.0	869	1551.3	902.5	340.0
870	1496.0	902.5	295.0	871	1496.0	902.5	340.0	872	1440.6	902.5	295.0
873	1440.6	902.5	340.0	874	665.2	9.48e-02	50.0	876	665.2	9.48e-02	100.0
877	665.2	9.48e-02	150.0	878	665.2	57.7	50.0	880	665.2	57.7	100.0
881	665.2	57.7	150.0	882	665.2	115.3	50.0	884	665.2	115.3	100.0
885	665.2	115.3	150.0	886	665.2	172.9	50.0	888	665.2	172.9	100.0
889	665.2	172.9	150.0	890	665.2	230.5	50.0	892	665.2	230.5	100.0
893	665.2	230.5	150.0	894	665.2	288.0	50.0	896	665.2	288.0	100.0
897	665.2	288.0	150.0	898	665.2	345.6	50.0	900	665.2	345.6	100.0
901	665.2	345.6	150.0	902	665.2	403.2	50.0	904	665.2	403.2	100.0
905	665.2	403.2	150.0	906	665.2	460.8	50.0	908	665.2	460.8	100.0
909	665.2	460.8	150.0	910	665.2	518.4	50.0	912	665.2	518.4	100.0
913	665.2	518.4	150.0	914	665.2	576.0	50.0	916	665.2	576.0	100.0
917	665.2	576.0	150.0	918	665.2	9.48e-02	200.0	919	665.2	9.48e-02	250.0
920	665.2	57.7	200.0	921	665.2	57.7	250.0	922	665.2	115.3	200.0
923	665.2	115.3	250.0	924	665.2	172.9	200.0	925	665.2	172.9	250.0
926	665.2	230.5	200.0	927	665.2	230.5	250.0	928	665.2	288.0	200.0
929	665.2	288.0	250.0	930	665.2	345.6	200.0	931	665.2	345.6	250.0
932	665.2	403.2	200.0	933	665.2	403.2	250.0	934	665.2	460.8	200.0
935	665.2	460.8	250.0	936	665.2	518.4	200.0	937	665.2	518.4	250.0
938	665.2	576.0	200.0	939	665.2	576.0	250.0	940	665.2	9.48e-02	295.0
941	665.2	9.48e-02	340.0	942	665.2	57.7	295.0	943	665.2	57.7	340.0
944	665.2	115.3	295.0	945	665.2	115.3	340.0	946	665.2	172.9	295.0
947	665.2	172.9	340.0	948	665.2	230.5	295.0	949	665.2	230.5	340.0
950	665.2	288.0	295.0	951	665.2	288.0	340.0	952	665.2	345.6	295.0
953	665.2	345.6	340.0	954	665.2	403.2	295.0	955	665.2	403.2	340.0
956	665.2	460.8	295.0	957	665.2	460.8	340.0	958	665.2	518.4	295.0
959	665.2	518.4	340.0	960	665.2	576.0	295.0	961	665.2	576.0	340.0
962	665.2	627.1	50.0	964	665.2	627.1	100.0	965	665.2	627.1	150.0
966	665.2	678.2	50.0	968	665.2	678.2	100.0	969	665.2	678.2	150.0
970	665.2	729.3	50.0	972	665.2	729.3	100.0	973	665.2	729.3	150.0
974	665.2	780.3	50.0	976	665.2	780.3	100.0	977	665.2	780.3	150.0
978	665.2	831.4	50.0	980	665.2	831.4	100.0	981	665.2	831.4	150.0
982	665.2	902.5	50.0	984	665.2	902.5	100.0	985	665.2	902.5	150.0
986	665.2	627.1	200.0	987	665.2	627.1	250.0	988	665.2	678.2	200.0
989	665.2	678.2	250.0	990	665.2	729.3	200.0	991	665.2	729.3	250.0
992	665.2	780.3	200.0	993	665.2	780.3	250.0	994	665.2	831.4	200.0
995	665.2	831.4	250.0	996	665.2	902.5	200.0	997	665.2	902.5	250.0
998	665.2	627.1	295.0	999	665.2	627.1	340.0	1000	665.2	678.2	295.0
1001	665.2	678.2	340.0	1002	665.2	729.3	295.0	1003	665.2	729.3	340.0
1004	665.2	780.3	295.0	1005	665.2	780.3	340.0	1006	665.2	831.4	295.0
1007	665.2	831.4	340.0	1008	665.2	902.5	295.0	1009	665.2	902.5	340.0
1010	45.2	-3.1	50.0	1012	45.2	-3.1	100.0	1013	45.2	-3.1	150.0
1014	45.2	51.2	50.0	1016	45.2	51.2	100.0	1017	45.2	51.2	150.0
1018	45.2	105.6	50.0	1020	45.2	105.6	100.0	1021	45.2	105.6	150.0
1022	45.2	159.9	50.0	1024	45.2	159.9	100.0	1025	45.2	159.9	150.0
1026	45.2	214.3	50.0	1028	45.2	214.3	100.0	1029	45.2	214.3	150.0
1030	45.2	268.6	50.0	1032	45.2	268.6	100.0	1033	45.2	268.6	150.0
1034	45.2	323.0	50.0	1036	45.2	323.0	100.0	1037	45.2	323.0	150.0
1038	45.2	-3.1	200.0	1039	45.2	-3.1	250.0	1040	45.2	51.2	200.0
1041	45.2	51.2	250.0	1042	45.2	105.6	200.0	1043	45.2	105.6	250.0
1044	45.2	159.9	200.0	1045	45.2	159.9	250.0	1046	45.2	214.3	200.0
1047	45.2	214.3	250.0	1048	45.2	268.6	200.0	1049	45.2	268.6	250.0
1050	45.2	323.0	200.0	1051	45.2	323.0	250.0	1052	45.2	-3.1	295.0
1053	45.2	-3.1	340.0	1054	45.2	51.2	295.0	1055	45.2	51.2	340.0
1056	45.2	105.6	295.0	1057	45.2	105.6	340.0	1058	45.2	159.9	295.0
1059	45.2	159.9	340.0	1060	45.2	214.3	295.0	1061	45.2	214.3	340.0
1062	45.2	268.6	295.0	1063	45.2	268.6	340.0	1064	45.2	323.0	295.0
1065	45.2	323.0	340.0	1067	45.2	576.0	50.0	1068	45.2	627.1	50.0
1070	45.2	576.0	100.0	1071	45.2	627.1	100.0	1072	45.2	576.0	150.0
1073	45.2	627.1	150.0	1074	45.2	678.2	50.0	1076	45.2	678.2	100.0
1077	45.2	678.2	150.0	1078	45.2	729.3	50.0	1080	45.2	729.3	100.0
1081	45.2	729.3	150.0	1082	45.2	780.3	50.0	1084	45.2	780.3	100.0
1085	45.2	780.3	150.0	1086	45.2	831.4	50.0	1088	45.2	831.4	100.0
1089	45.2	831.4	150.0	1090	45.2	902.5	50.0	1092	45.2	902.5	100.0
1093	45.2	902.5	150.0	1094	45.2	576.0	200.0	1095	45.2	627.1	200.0
1096	45.2	576.0	250.0	1097	45.2	627.1	250.0	1098	45.2	678.2	200.0
1099	45.2	678.2	250.0	1100	45.2	729.3	200.0	1101	45.2	729.3	250.0
1102	45.2	780.3	200.0	1103	45.2	780.3	250.0	1104	45.2	831.4	200.0
1105	45.2	831.4	250.0	1106	45.2	902.5	200.0	1107	45.2	902.5	250.0
1108	45.2	576.0	295.0	1109	45.2	627.1	295.0	1110	45.2	576.0	340.0
1111	45.2	627.1	340.0	1112	45.2	678.2	295.0	1113	45.2	678.2	340.0

1114	45.2	729.3	295.0	1115	45.2	729.3	340.0	1116	45.2	780.3	295.0
1117	45.2	780.3	340.0	1118	45.2	831.4	295.0	1119	45.2	831.4	340.0
1120	45.2	902.5	295.0	1121	45.2	902.5	340.0	1122	92.2	576.0	50.0
1124	92.2	576.0	100.0	1125	92.2	576.0	150.0	1126	139.2	576.0	50.0
1128	139.2	576.0	100.0	1129	139.2	576.0	150.0	1130	186.2	576.0	50.0
1132	186.2	576.0	100.0	1133	186.2	576.0	150.0	1134	233.2	576.0	50.0
1136	233.2	576.0	100.0	1137	233.2	576.0	150.0	1138	92.2	576.0	200.0
1139	92.2	576.0	250.0	1140	139.2	576.0	200.0	1141	139.2	576.0	250.0
1142	186.2	576.0	200.0	1143	186.2	576.0	250.0	1144	233.2	576.0	200.0
1145	233.2	576.0	250.0	1146	92.2	576.0	295.0	1147	92.2	576.0	340.0
1148	139.2	576.0	295.0	1149	139.2	576.0	340.0	1150	186.2	576.0	295.0
1151	186.2	576.0	340.0	1152	233.2	576.0	295.0	1153	233.2	576.0	340.0
1154	618.2	576.0	50.0	1156	618.2	576.0	100.0	1157	618.2	576.0	150.0
1158	571.2	576.0	50.0	1160	571.2	576.0	100.0	1161	571.2	576.0	150.0
1162	524.2	576.0	50.0	1164	524.2	576.0	100.0	1165	524.2	576.0	150.0
1166	477.2	576.0	50.0	1168	477.2	576.0	100.0	1169	477.2	576.0	150.0
1170	618.2	576.0	200.0	1171	618.2	576.0	250.0	1172	571.2	576.0	200.0
1173	571.2	576.0	250.0	1174	524.2	576.0	200.0	1175	524.2	576.0	250.0
1176	477.2	576.0	200.0	1177	477.2	576.0	250.0	1178	618.2	576.0	295.0
1179	618.2	576.0	340.0	1180	571.2	576.0	295.0	1181	571.2	576.0	340.0
1182	524.2	576.0	295.0	1183	524.2	576.0	340.0	1184	477.2	576.0	295.0
1185	477.2	576.0	340.0	1188	1385.2	752.5	340.0	1189	1385.2	92.5	340.0
1190	1165.2	1462.5	340.0	1191	1165.2	902.5	340.0	1192	1737.2	2002.5	393.3
1193	2052.6	2002.5	393.3	1194	1737.2	2002.5	446.7	1195	2052.6	2002.5	446.7
1196	1737.2	2002.5	500.0	1197	2052.6	2002.5	500.0	1198	2000.0	2002.5	393.3
1199	2000.0	2002.5	446.7	1200	2000.0	2002.5	500.0	1201	1947.5	2002.5	393.3
1202	1947.5	2002.5	446.7	1203	1947.5	2002.5	500.0	1204	1894.9	2002.5	393.3
1205	1894.9	2002.5	446.7	1206	1894.9	2002.5	500.0	1207	1842.3	2002.5	393.3
1208	1842.3	2002.5	446.7	1209	1842.3	2002.5	500.0	1210	1789.8	2002.5	393.3
1211	1789.8	2002.5	446.7	1212	1789.8	2002.5	500.0	1213	1842.3	1950.5	340.0
1214	2105.2	1462.5	700.0	1215	2105.2	1462.5	1010.0	1216	1737.2	2002.5	550.0
1217	2052.6	2002.5	550.0	1218	1737.2	2002.5	600.0	1219	2052.6	2002.5	600.0
1220	2000.0	2002.5	550.0	1221	2000.0	2002.5	600.0	1222	1947.5	2002.5	550.0
1223	1947.5	2002.5	600.0	1224	1894.9	2002.5	550.0	1225	1894.9	2002.5	600.0
1226	1842.3	2002.5	550.0	1227	1842.3	2002.5	600.0	1228	1789.8	2002.5	550.0
1229	1789.8	2002.5	600.0	1230	2105.2	2002.5	1060.0	1231	2105.2	1462.5	1060.0
1232	1737.2	2002.5	650.0	1233	2052.6	2002.5	650.0	1234	1737.2	2002.5	700.0
1235	2052.6	2002.5	700.0	1236	2000.0	2002.5	650.0	1237	2000.0	2002.5	700.0
1238	1947.5	2002.5	650.0	1239	1947.5	2002.5	700.0	1240	1894.9	2002.5	650.0
1241	1894.9	2002.5	700.0	1242	1842.3	2002.5	650.0	1243	1842.3	2002.5	700.0
1244	1789.8	2002.5	650.0	1245	1789.8	2002.5	700.0	1246	2105.2	2002.5	753.3
1247	2105.2	2002.5	806.7	1248	1678.1	2002.5	393.3	1249	1678.1	2002.5	340.0
1250	1678.1	2002.5	446.7	1251	1678.1	2002.5	500.0	1252	1619.0	2002.5	393.3
1253	1619.0	2002.5	340.0	1254	1619.0	2002.5	446.7	1255	1619.0	2002.5	500.0
1256	1560.0	2002.5	393.3	1257	1560.0	2002.5	340.0	1258	1560.0	2002.5	446.7
1259	1560.0	2002.5	500.0	1260	1500.9	2002.5	393.3	1261	1165.2	902.5	700.0
1262	1500.9	2002.5	446.7	1263	1500.9	2002.5	500.0	1264	1441.8	2002.5	393.3
1265	1441.8	2002.5	446.7	1266	1441.8	2002.5	500.0	1267	1678.1	2002.5	550.0
1268	1678.1	2002.5	600.0	1269	1619.0	2002.5	550.0	1270	1619.0	2002.5	600.0
1271	1560.0	2002.5	550.0	1272	1560.0	2002.5	600.0	1273	1500.9	2002.5	550.0
1274	1500.9	2002.5	600.0	1275	1441.8	2002.5	550.0	1276	1441.8	2002.5	600.0
1277	1678.1	2002.5	650.0	1278	1678.1	2002.5	700.0	1279	1619.0	2002.5	650.0
1280	1619.0	2002.5	700.0	1281	1560.0	2002.5	650.0	1282	1560.0	2002.5	700.0
1283	1500.9	2002.5	650.0	1284	1500.9	2002.5	700.0	1285	1441.8	2002.5	650.0
1286	1441.8	2002.5	700.0	1287	1737.2	1950.5	393.3	1288	1737.2	1950.5	446.7
1289	1737.2	1950.5	500.0	1290	1737.2	1950.5	550.0	1291	1737.2	1950.5	600.0
1292	1737.2	1950.5	650.0	1293	1737.2	1950.5	700.0	1294	1737.2	1462.5	393.3
1295	2051.7	1462.5	393.3	1296	1737.2	1462.5	446.7	1297	2051.7	1462.5	446.7
1298	1737.2	1462.5	500.0	1299	2051.7	1462.5	500.0	1300	1998.2	1462.5	393.3
1301	1998.2	1462.5	446.7	1302	1998.2	1462.5	500.0	1303	1944.7	1462.5	393.3
1304	1944.7	1462.5	446.7	1305	1944.7	1462.5	500.0	1306	1891.2	1462.5	393.3
1307	1891.2	1462.5	446.7	1308	1891.2	1462.5	500.0	1309	1842.3	1462.5	393.3
1310	1842.3	1462.5	446.7	1311	1842.3	1462.5	500.0	1312	1784.2	1462.5	393.3
1313	1784.2	1462.5	446.7	1314	1784.2	1462.5	500.0	1315	2105.2	2002.5	860.0
1316	2105.2	2002.5	910.0	1317	1842.3	1950.5	393.3	1318	1677.2	1462.5	393.3
1319	1677.2	1462.5	446.7	1320	1677.2	1462.5	500.0	1321	1737.2	1462.5	550.0
1322	2051.7	1462.5	550.0	1323	1737.2	1462.5	600.0	1324	2051.7	1462.5	600.0
1325	1998.2	1462.5	550.0	1326	1998.2	1462.5	600.0	1327	1944.7	1462.5	550.0
1328	1944.7	1462.5	600.0	1329	1891.2	1462.5	550.0	1330	1891.2	1462.5	600.0
1331	1842.3	1462.5	550.0	1332	1842.3	1462.5	600.0	1333	1784.2	1462.5	550.0
1334	1784.2	1462.5	600.0	1335	1842.3	1950.5	446.7	1336	1842.3	1950.5	500.0
1337	1677.2	1462.5	550.0	1338	1677.2	1462.5	600.0	1339	1737.2	1462.5	650.0
1340	2051.7	1462.5	650.0	1341	1737.2	1462.5	700.0	1342	2051.7	1462.5	700.0
1343	1998.2	1462.5	650.0	1344	1998.2	1462.5	700.0	1345	1944.7	1462.5	650.0
1346	1944.7	1462.5	700.0	1347	1891.2	1462.5	650.0	1348	1891.2	1462.5	700.0

1349	1842.3	1462.5	650.0	1350	1842.3	1462.5	700.0	1351	1784.2	1462.5	650.0
1352	1784.2	1462.5	700.0	1353	1842.3	1950.5	550.0	1354	1842.3	1950.5	600.0
1355	1677.2	1462.5	650.0	1356	1677.2	1462.5	700.0	1357	1842.3	1496.5	250.0
1358	1385.2	1462.5	393.3	1359	1842.3	1530.5	200.0	1360	1385.2	1462.5	446.7
1361	1842.3	1530.5	250.0	1362	1385.2	1462.5	500.0	1363	1842.3	1496.5	295.0
1364	1385.2	1462.5	550.0	1365	1842.3	1496.5	340.0	1366	1385.2	1462.5	600.0
1368	1385.2	1462.5	650.0	1369	1437.2	1462.5	700.0	1370	1385.2	1462.5	700.0
1371	2105.2	1462.5	50.0	1372	2105.2	1462.5	100.0	1373	1629.2	1462.5	700.0
1374	2105.2	1462.5	150.0	1375	2105.2	1462.5	200.0	1376	1581.2	1462.5	700.0
1377	2105.2	1462.5	250.0	1378	2105.2	1462.5	295.0	1379	1533.2	1462.5	700.0
1380	2105.2	1462.5	340.0	1381	2105.2	2002.5	50.0	1382	1485.2	1462.5	700.0
1383	1165.2	2002.5	700.0	1384	1737.2	1530.5	393.3	1385	1737.2	1496.5	393.3
1386	1737.2	1530.5	446.7	1387	1737.2	1496.5	446.7	1388	1737.2	1530.5	500.0
1389	1737.2	1496.5	500.0	1390	1737.2	1530.5	550.0	1391	1737.2	1496.5	550.0
1392	1737.2	1530.5	600.0	1393	1737.2	1496.5	600.0	1394	1737.2	1530.5	650.0
1395	1737.2	1496.5	650.0	1396	1737.2	1530.5	700.0	1397	1737.2	1496.5	700.0
1398	2105.2	1403.8	393.3	1399	2105.2	1403.8	446.7	1400	2105.2	1403.8	500.0
1401	2105.2	1345.2	393.3	1402	2105.2	1345.2	446.7	1403	2105.2	1345.2	500.0
1404	2105.2	1286.5	393.3	1405	2105.2	1286.5	446.7	1406	2105.2	1286.5	500.0
1407	1385.2	-57.5	446.7	1408	1385.2	-57.5	500.0	1409	1385.2	-57.5	550.0
1410	1224.4	-57.5	393.3	1411	1224.4	-57.5	446.7	1412	1224.4	-57.5	500.0
1413	2105.2	1403.8	550.0	1414	2105.2	1403.8	600.0	1415	2105.2	1345.2	550.0
1416	2105.2	1345.2	600.0	1417	2105.2	1286.5	550.0	1418	2105.2	1286.5	600.0
1419	1385.2	-57.5	600.0	1420	1385.2	-57.5	650.0	1421	1224.4	-57.5	550.0
1422	1224.4	-57.5	600.0	1423	2105.2	1403.8	650.0	1424	2105.2	1403.8	700.0
1425	2105.2	1345.2	650.0	1426	2105.2	1345.2	700.0	1427	2105.2	1286.5	650.0
1428	2105.2	1286.5	700.0	1429	1385.2	-57.5	700.0	1430	2105.2	988.0	550.0
1431	1224.4	-57.5	650.0	1432	2105.2	988.0	600.0	1433	1224.4	-57.5	700.0
1434	1165.2	1462.5	700.0	1435	2105.2	902.5	393.3	1436	2105.2	847.2	393.3
1437	2105.2	902.5	446.7	1438	2105.2	847.2	446.7	1439	2105.2	902.5	500.0
1440	2105.2	847.2	500.0	1441	2105.2	791.8	393.3	1442	2105.2	791.8	446.7
1443	2105.2	791.8	500.0	1444	2105.2	736.5	393.3	1445	2105.2	736.5	446.7
1446	2105.2	736.5	500.0	1447	2105.2	681.2	393.3	1448	2105.2	681.2	446.7
1449	2105.2	681.2	500.0	1450	2105.2	625.8	393.3	1451	2105.2	625.8	446.7
1452	2105.2	625.8	500.0	1453	2105.2	902.5	550.0	1454	2105.2	847.2	550.0
1455	2105.2	902.5	600.0	1456	2105.2	847.2	600.0	1457	2105.2	791.8	550.0
1458	2105.2	791.8	600.0	1459	2105.2	736.5	550.0	1460	2105.2	736.5	600.0
1461	2105.2	681.2	550.0	1462	2105.2	681.2	600.0	1463	2105.2	625.8	550.0
1464	2105.2	625.8	600.0	1465	2105.2	902.5	650.0	1466	2105.2	847.2	650.0
1467	2105.2	902.5	700.0	1468	2105.2	847.2	700.0	1469	2105.2	791.8	650.0
1470	2105.2	791.8	700.0	1471	2105.2	736.5	650.0	1472	2105.2	736.5	700.0
1473	2105.2	681.2	650.0	1474	2105.2	681.2	700.0	1475	2105.2	625.8	650.0
1476	2105.2	625.8	700.0	1477	2105.2	390.5	393.3	1478	2105.2	360.5	393.3
1479	2105.2	390.5	446.7	1480	2105.2	360.5	446.7	1481	2105.2	390.5	500.0
1482	2105.2	360.5	500.0	1483	2105.2	330.5	393.3	1484	2105.2	330.5	446.7
1485	2105.2	330.5	500.0	1486	2105.2	390.5	550.0	1487	2105.2	360.5	550.0
1488	2105.2	390.5	600.0	1489	2105.2	360.5	600.0	1490	2105.2	330.5	550.0
1491	2105.2	330.5	600.0	1492	2105.2	390.5	650.0	1493	2105.2	360.5	650.0
1494	2105.2	390.5	700.0	1495	2105.2	360.5	700.0	1496	2105.2	330.5	650.0
1497	2105.2	330.5	700.0	1498	2105.2	98.5	393.3	1499	2105.2	46.5	393.3
1500	2105.2	98.5	446.7	1501	2105.2	46.5	446.7	1502	2105.2	98.5	500.0
1503	2105.2	46.5	500.0	1504	2105.2	-5.5	393.3	1505	2105.2	-5.5	446.7
1506	2105.2	-5.5	500.0	1507	2105.2	-57.5	393.3	1508	2105.2	-57.5	446.7
1509	2105.2	-57.5	500.0	1510	2105.2	98.5	550.0	1511	2105.2	46.5	550.0
1512	2105.2	98.5	600.0	1513	2105.2	46.5	600.0	1514	2105.2	-5.5	550.0
1515	2105.2	-5.5	600.0	1516	2105.2	-57.5	550.0	1517	2105.2	-57.5	600.0
1518	2105.2	98.5	650.0	1519	2105.2	46.5	650.0	1520	2105.2	98.5	700.0
1521	2105.2	46.5	700.0	1522	2105.2	-5.5	650.0	1523	2105.2	-5.5	700.0
1524	2105.2	-57.5	650.0	1525	2105.2	-57.5	700.0	1526	2053.2	-57.5	393.3
1527	2053.2	-57.5	446.7	1528	2053.2	-57.5	500.0	1529	2001.2	-57.5	393.3
1530	2001.2	-57.5	446.7	1531	2001.2	-57.5	500.0	1532	1949.2	-57.5	393.3
1533	1949.2	-57.5	446.7	1534	1949.2	-57.5	500.0	1535	2053.2	-57.5	550.0
1536	2053.2	-57.5	600.0	1537	2001.2	-57.5	550.0	1538	2001.2	-57.5	600.0
1539	1949.2	-57.5	550.0	1540	1949.2	-57.5	600.0	1541	2053.2	-57.5	650.0
1542	2053.2	-57.5	700.0	1543	2001.2	-57.5	650.0	1544	2001.2	-57.5	700.0
1545	1949.2	-57.5	650.0	1546	1949.2	-57.5	700.0	1547	1717.2	-57.5	393.3
1548	1687.2	-57.5	393.3	1549	1717.2	-57.5	446.7	1550	1687.2	-57.5	446.7
1551	1717.2	-57.5	500.0	1552	1687.2	-57.5	500.0	1553	1657.2	-57.5	393.3
1554	1657.2	-57.5	446.7	1555	1657.2	-57.5	500.0	1556	1717.2	-57.5	550.0
1557	1687.2	-57.5	550.0	1558	1717.2	-57.5	600.0	1559	1687.2	-57.5	600.0
1560	1657.2	-57.5	550.0	1561	1657.2	-57.5	600.0	1562	1717.2	-57.5	650.0
1563	1687.2	-57.5	650.0	1564	1717.2	-57.5	700.0	1565	1687.2	-57.5	700.0
1566	1657.2	-57.5	650.0	1567	1657.2	-57.5	700.0	1568	1431.2	-57.5	393.3
1569	1772.9	902.5	700.0	1570	1717.5	902.5	650.0	1571	1431.2	-57.5	446.7
1572	1994.4	902.5	650.0	1573	1431.2	-57.5	500.0	1574	1994.4	902.5	700.0

1575	1717.5	902.5	700.0	1576	1662.1	902.5	650.0	1577	1662.1	902.5	700.0
1578	1606.7	902.5	650.0	1579	1551.3	902.5	650.0	1580	1551.3	902.5	700.0
1581	1606.7	902.5	700.0	1582	1939.0	902.5	650.0	1583	1496.0	902.5	700.0
1584	1496.0	902.5	650.0	1585	1440.6	902.5	650.0	1586	1440.6	902.5	700.0
1587	1170.8	-57.5	393.3	1588	1170.8	-57.5	446.7	1589	1170.8	-57.5	500.0
1590	1431.2	-57.5	550.0	1591	1939.0	902.5	700.0	1592	1431.2	-57.5	600.0
1593	1883.6	902.5	650.0	1594	1883.6	902.5	700.0	1595	1828.3	902.5	650.0
1596	1828.3	902.5	700.0	1597	2049.8	902.5	650.0	1598	665.2	902.5	700.0
1599	45.2	902.5	700.0	1600	1170.8	-57.5	550.0	1601	1170.8	-57.5	600.0
1602	1431.2	-57.5	650.0	1603	1772.9	902.5	650.0	1604	1431.2	-57.5	700.0
1605	1496.0	902.5	550.0	1606	2049.8	902.5	700.0	1607	1496.0	902.5	600.0
1608	1440.6	902.5	550.0	1609	1440.6	902.5	600.0	1610	1385.2	752.5	700.0
1611	1385.2	92.5	700.0	1612	1170.8	-57.5	650.0	1613	1170.8	-57.5	700.0
1614	882.8	-57.5	393.3	1615	828.4	-57.5	393.3	1616	882.8	-57.5	446.7
1617	828.4	-57.5	446.7	1618	882.8	-57.5	500.0	1619	828.4	-57.5	500.0
1620	774.0	-57.5	393.3	1621	774.0	-57.5	446.7	1622	774.0	-57.5	500.0
1623	719.6	-57.5	393.3	1624	719.6	-57.5	446.7	1625	719.6	-57.5	500.0
1626	665.2	-57.5	393.3	1627	665.2	-57.5	446.7	1628	665.2	-57.5	500.0
1629	882.8	-57.5	550.0	1630	828.4	-57.5	550.0	1631	882.8	-57.5	600.0
1632	828.4	-57.5	600.0	1633	774.0	-57.5	550.0	1634	774.0	-57.5	600.0
1635	719.6	-57.5	550.0	1636	719.6	-57.5	600.0	1637	665.2	-57.5	550.0
1638	665.2	-57.5	600.0	1639	882.8	-57.5	650.0	1640	828.4	-57.5	650.0
1641	882.8	-57.5	700.0	1642	828.4	-57.5	700.0	1643	774.0	-57.5	650.0
1644	774.0	-57.5	700.0	1645	719.6	-57.5	650.0	1646	719.6	-57.5	700.0
1647	665.2	-57.5	650.0	1648	665.2	-57.5	700.0	1649	621.2	-57.5	393.3
1650	621.2	-57.5	446.7	1651	621.2	-57.5	500.0	1652	577.2	-57.5	393.3
1653	577.2	-57.5	446.7	1654	577.2	-57.5	500.0	1655	621.2	-57.5	550.0
1656	621.2	-57.5	600.0	1657	577.2	-57.5	550.0	1658	577.2	-57.5	600.0
1659	621.2	-57.5	650.0	1660	621.2	-57.5	700.0	1661	577.2	-57.5	650.0
1662	577.2	-57.5	700.0	1663	397.2	-57.5	393.3	1664	367.2	-57.5	393.3
1665	397.2	-57.5	446.7	1666	367.2	-57.5	446.7	1667	397.2	-57.5	500.0
1668	367.2	-57.5	500.0	1669	337.2	-57.5	393.3	1670	337.2	-57.5	446.7
1671	337.2	-57.5	500.0	1672	397.2	-57.5	550.0	1673	367.2	-57.5	550.0
1674	397.2	-57.5	600.0	1675	367.2	-57.5	600.0	1676	337.2	-57.5	550.0
1677	337.2	-57.5	600.0	1678	397.2	-57.5	650.0	1679	367.2	-57.5	650.0
1680	397.2	-57.5	700.0	1681	367.2	-57.5	700.0	1682	337.2	-57.5	650.0
1683	337.2	-57.5	700.0	1684	157.2	-57.5	393.3	1685	101.2	-57.5	393.3
1686	157.2	-57.5	446.7	1687	101.2	-57.5	446.7	1688	157.2	-57.5	500.0
1689	101.2	-57.5	500.0	1690	45.2	-57.5	393.3	1691	45.2	-57.5	446.7
1692	45.2	-57.5	500.0	1693	157.2	-57.5	550.0	1694	101.2	-57.5	550.0
1695	157.2	-57.5	600.0	1696	101.2	-57.5	600.0	1697	45.2	-57.5	550.0
1698	45.2	-57.5	600.0	1699	157.2	-57.5	650.0	1700	101.2	-57.5	650.0
1701	157.2	-57.5	700.0	1702	101.2	-57.5	700.0	1703	45.2	-57.5	650.0
1704	45.2	-57.5	700.0	1705	532.2	-57.5	393.3	1706	532.2	-57.5	446.7
1707	532.2	-57.5	500.0	1708	487.2	-57.5	393.3	1709	487.2	-57.5	446.7
1710	487.2	-57.5	500.0	1711	442.2	-57.5	393.3	1712	442.2	-57.5	446.7
1713	442.2	-57.5	500.0	1714	292.2	-57.5	650.0	1715	532.2	-57.5	600.0
1716	292.2	-57.5	700.0	1717	487.2	-57.5	600.0	1718	247.2	-57.5	650.0
1719	442.2	-57.5	600.0	1720	532.2	-57.5	650.0	1721	532.2	-57.5	700.0
1722	487.2	-57.5	650.0	1723	487.2	-57.5	700.0	1724	442.2	-57.5	650.0
1725	442.2	-57.5	700.0	1726	292.2	-57.5	393.3	1727	292.2	-57.5	446.7
1728	292.2	-57.5	500.0	1729	247.2	-57.5	393.3	1730	247.2	-57.5	446.7
1731	247.2	-57.5	500.0	1732	202.2	-57.5	393.3	1733	202.2	-57.5	446.7
1734	202.2	-57.5	500.0	1735	247.2	-57.5	700.0	1736	292.2	-57.5	600.0
1737	202.2	-57.5	650.0	1738	247.2	-57.5	600.0	1739	202.2	-57.5	700.0
1740	202.2	-57.5	600.0	1741	45.2	-3.1	393.3	1742	45.2	-3.1	446.7
1743	45.2	-3.1	500.0	1744	45.2	51.2	393.3	1745	45.2	51.2	446.7
1746	45.2	51.2	500.0	1747	45.2	105.6	393.3	1748	45.2	105.6	446.7
1749	45.2	105.6	500.0	1750	45.2	159.9	393.3	1751	45.2	159.9	446.7
1752	45.2	159.9	500.0	1753	45.2	214.3	393.3	1754	45.2	214.3	446.7
1755	45.2	214.3	500.0	1756	45.2	268.6	393.3	1757	45.2	268.6	446.7
1758	45.2	268.6	500.0	1759	45.2	323.0	393.3	1760	45.2	323.0	446.7
1761	45.2	323.0	500.0	1762	45.2	-3.1	550.0	1763	45.2	-3.1	600.0
1764	45.2	51.2	550.0	1765	45.2	51.2	600.0	1766	45.2	105.6	550.0
1767	45.2	105.6	600.0	1768	45.2	159.9	550.0	1769	45.2	159.9	600.0
1770	45.2	214.3	550.0	1771	45.2	214.3	600.0	1772	45.2	268.6	550.0
1773	45.2	268.6	600.0	1774	45.2	323.0	550.0	1775	45.2	323.0	600.0
1776	45.2	-3.1	650.0	1777	45.2	-3.1	700.0	1778	45.2	51.2	650.0
1779	45.2	51.2	700.0	1780	45.2	105.6	650.0	1781	45.2	105.6	700.0
1782	45.2	159.9	650.0	1783	45.2	159.9	700.0	1784	45.2	214.3	650.0
1785	45.2	214.3	700.0	1786	45.2	268.6	650.0	1787	45.2	268.6	700.0
1788	45.2	323.0	650.0	1789	45.2	323.0	700.0	1790	45.2	373.6	393.3
1791	45.2	373.6	340.0	1792	45.2	373.6	446.7	1793	45.2	373.6	500.0
1794	45.2	424.2	393.3	1795	45.2	424.2	340.0	1796	45.2	424.2	446.7
1797	45.2	424.2	500.0	1798	45.2	474.8	393.3	1799	45.2	474.8	340.0

1800	45.2	474.8	446.7	1801	45.2	474.8	500.0	1802	45.2	525.4	393.3
1803	45.2	525.4	340.0	1804	45.2	525.4	446.7	1805	45.2	525.4	500.0
1806	45.2	576.0	393.3	1807	45.2	576.0	446.7	1808	45.2	576.0	500.0
1809	45.2	373.6	550.0	1810	45.2	373.6	600.0	1811	45.2	424.2	550.0
1812	45.2	424.2	600.0	1813	45.2	474.8	550.0	1814	45.2	474.8	600.0
1815	45.2	525.4	550.0	1816	45.2	525.4	600.0	1817	45.2	576.0	550.0
1818	45.2	576.0	600.0	1819	45.2	373.6	650.0	1820	45.2	373.6	700.0
1821	45.2	424.2	650.0	1822	45.2	424.2	700.0	1823	45.2	474.8	650.0
1824	45.2	474.8	700.0	1825	45.2	525.4	650.0	1826	45.2	525.4	700.0
1827	45.2	576.0	650.0	1828	45.2	576.0	700.0	1829	92.2	576.0	393.3
1830	92.2	576.0	446.7	1831	92.2	576.0	500.0	1832	139.2	576.0	393.3
1833	139.2	576.0	446.7	1834	139.2	576.0	500.0	1835	186.2	576.0	393.3
1836	186.2	576.0	446.7	1837	186.2	576.0	500.0	1838	233.2	576.0	393.3
1839	233.2	576.0	446.7	1840	233.2	576.0	500.0	1841	92.2	576.0	550.0
1842	92.2	576.0	600.0	1843	139.2	576.0	550.0	1844	139.2	576.0	600.0
1845	186.2	576.0	550.0	1846	186.2	576.0	600.0	1847	233.2	576.0	550.0
1848	233.2	576.0	600.0	1849	92.2	576.0	650.0	1850	92.2	576.0	700.0
1851	139.2	576.0	650.0	1852	139.2	576.0	700.0	1853	186.2	576.0	650.0
1854	186.2	576.0	700.0	1855	233.2	576.0	650.0	1856	233.2	576.0	700.0
1857	477.2	576.0	393.3	1858	524.2	576.0	393.3	1859	477.2	576.0	446.7
1860	524.2	576.0	446.7	1861	477.2	576.0	500.0	1862	524.2	576.0	500.0
1863	571.2	576.0	393.3	1864	571.2	576.0	446.7	1865	571.2	576.0	500.0
1866	618.2	576.0	393.3	1867	618.2	576.0	446.7	1868	618.2	576.0	500.0
1869	665.2	576.0	393.3	1870	665.2	576.0	446.7	1871	665.2	576.0	500.0
1872	477.2	576.0	550.0	1873	524.2	576.0	550.0	1874	477.2	576.0	600.0
1875	524.2	576.0	600.0	1876	571.2	576.0	550.0	1877	571.2	576.0	600.0
1878	618.2	576.0	550.0	1879	618.2	576.0	600.0	1880	665.2	576.0	550.0
1881	665.2	576.0	600.0	1882	477.2	576.0	650.0	1883	524.2	576.0	650.0
1884	477.2	576.0	700.0	1885	524.2	576.0	700.0	1886	571.2	576.0	650.0
1887	571.2	576.0	700.0	1888	618.2	576.0	650.0	1889	618.2	576.0	700.0
1890	665.2	576.0	650.0	1891	665.2	576.0	700.0	1892	665.2	9.48e-02	393.3
1893	665.2	9.48e-02	446.7	1894	665.2	9.48e-02	500.0	1895	665.2	57.7	393.3
1896	665.2	57.7	446.7	1897	665.2	57.7	500.0	1898	665.2	115.3	393.3
1899	665.2	115.3	446.7	1900	665.2	115.3	500.0	1901	665.2	172.9	393.3
1902	665.2	172.9	446.7	1903	665.2	172.9	500.0	1904	665.2	230.5	393.3
1905	665.2	230.5	446.7	1906	665.2	230.5	500.0	1907	665.2	288.0	393.3
1908	665.2	288.0	446.7	1909	665.2	288.0	500.0	1910	665.2	345.6	393.3
1911	665.2	345.6	446.7	1912	665.2	345.6	500.0	1913	665.2	403.2	393.3
1914	665.2	403.2	446.7	1915	665.2	403.2	500.0	1916	665.2	460.8	393.3
1917	665.2	460.8	446.7	1918	665.2	460.8	500.0	1919	665.2	518.4	393.3
1920	665.2	518.4	446.7	1921	665.2	518.4	500.0	1922	665.2	9.48e-02	550.0
1923	665.2	9.48e-02	600.0	1924	665.2	57.7	550.0	1925	665.2	57.7	600.0
1926	665.2	115.3	550.0	1927	665.2	115.3	600.0	1928	665.2	172.9	550.0
1929	665.2	172.9	600.0	1930	665.2	230.5	550.0	1931	665.2	230.5	600.0
1932	665.2	288.0	550.0	1933	665.2	288.0	600.0	1934	665.2	345.6	550.0
1935	665.2	345.6	600.0	1936	665.2	403.2	550.0	1937	665.2	403.2	600.0
1938	665.2	460.8	550.0	1939	665.2	460.8	600.0	1940	665.2	518.4	550.0
1941	665.2	518.4	600.0	1942	665.2	9.48e-02	650.0	1943	665.2	9.48e-02	700.0
1944	665.2	57.7	650.0	1945	665.2	57.7	700.0	1946	665.2	115.3	650.0
1947	665.2	115.3	700.0	1948	665.2	172.9	650.0	1949	665.2	172.9	700.0
1950	665.2	230.5	650.0	1951	665.2	230.5	700.0	1952	665.2	288.0	650.0
1953	665.2	288.0	700.0	1954	665.2	345.6	650.0	1955	665.2	345.6	700.0
1956	665.2	403.2	650.0	1957	665.2	403.2	700.0	1958	665.2	460.8	650.0
1959	665.2	460.8	700.0	1960	665.2	518.4	650.0	1961	665.2	518.4	700.0
1962	665.2	627.1	393.3	1963	665.2	627.1	446.7	1964	665.2	627.1	500.0
1965	665.2	678.2	393.3	1966	665.2	678.2	446.7	1967	665.2	678.2	500.0
1968	665.2	627.1	550.0	1969	665.2	627.1	600.0	1970	665.2	678.2	550.0
1971	665.2	678.2	600.0	1972	665.2	627.1	650.0	1973	665.2	627.1	700.0
1974	665.2	678.2	650.0	1975	665.2	678.2	700.0	1976	1385.2	1414.5	393.3
1977	1385.2	1414.5	446.7	1978	1385.2	1414.5	500.0	1979	1385.2	1366.5	393.3
1980	1385.2	1366.5	446.7	1981	1385.2	1366.5	500.0	1982	1385.2	1318.5	393.3
1983	1385.2	1318.5	446.7	1984	1385.2	1318.5	500.0	1985	1385.2	1270.5	393.3
1986	1385.2	1270.5	446.7	1987	1385.2	1270.5	500.0	1988	1385.2	1414.5	550.0
1989	1385.2	1414.5	600.0	1990	1385.2	1366.5	550.0	1991	1385.2	1366.5	600.0
1992	1385.2	1318.5	550.0	1993	1385.2	1318.5	600.0	1994	1385.2	1270.5	550.0
1995	1385.2	1270.5	600.0	1996	1385.2	1414.5	650.0	1997	1385.2	1414.5	700.0
1998	1385.2	1366.5	650.0	1999	1385.2	1366.5	700.0	2000	1385.2	1318.5	650.0
2001	1385.2	1318.5	700.0	2002	1385.2	1270.5	650.0	2003	1385.2	1270.5	700.0
2004	1385.2	1212.5	600.0	2005	1385.2	1212.5	650.0	2006	1385.2	1212.5	700.0
2007	1385.2	1212.5	753.3	2008	1385.2	1115.8	960.0	2009	1385.2	1115.8	1010.0
2010	1385.2	1067.5	393.3	2011	1385.2	1067.5	446.7	2012	1385.2	1164.2	960.0
2013	1385.2	1001.7	393.3	2014	1385.2	1001.7	446.7	2015	1385.2	1001.7	500.0
2016	1385.2	952.1	393.3	2017	1385.2	952.1	446.7	2018	1385.2	952.1	500.0
2019	1385.2	902.5	393.3	2020	1385.2	902.5	446.7	2021	1385.2	902.5	500.0
2022	1385.2	1164.2	1010.0	2023	1385.2	1115.8	1060.0	2024	1385.2	1212.5	910.0

2025	1385.2	1164.2	1060.0	2026	1385.2	1212.5	295.0	2027	1385.2	1212.5	340.0
2028	1385.2	1001.7	550.0	2029	1385.2	1001.7	600.0	2030	1385.2	952.1	550.0
2031	1385.2	952.1	600.0	2032	1385.2	902.5	550.0	2033	1385.2	902.5	600.0
2034	1385.2	1212.5	960.0	2035	2105.2	1226.8	1010.0	2036	1385.2	-52.5	700.0
2037	1385.2	897.5	700.0	2038	1385.2	1115.8	600.0	2039	1385.2	1115.8	650.0
2040	1385.2	1001.7	650.0	2041	1385.2	1001.7	700.0	2042	1385.2	952.1	650.0
2043	1385.2	952.1	700.0	2044	1385.2	902.5	650.0	2045	1385.2	902.5	700.0
2046	1385.2	-52.5	340.0	2047	1485.2	1462.5	600.0	2048	1385.2	897.5	340.0
2049	2049.8	902.5	393.3	2050	2049.8	902.5	446.7	2051	2049.8	902.5	500.0
2052	1994.4	902.5	393.3	2053	1994.4	902.5	446.7	2054	1994.4	902.5	500.0
2055	1939.0	902.5	393.3	2056	1939.0	902.5	446.7	2057	1939.0	902.5	500.0
2058	1883.6	902.5	393.3	2059	1883.6	902.5	446.7	2060	1883.6	902.5	500.0
2061	1828.3	902.5	393.3	2062	1828.3	902.5	446.7	2063	1828.3	902.5	500.0
2064	1772.9	902.5	393.3	2065	1772.9	902.5	446.7	2066	1772.9	902.5	500.0
2067	1717.5	902.5	393.3	2068	1717.5	902.5	446.7	2069	1717.5	902.5	500.0
2070	1662.1	902.5	393.3	2071	1662.1	902.5	446.7	2072	1662.1	902.5	500.0
2073	1606.7	902.5	393.3	2074	1606.7	902.5	446.7	2075	1606.7	902.5	500.0
2076	1551.3	902.5	393.3	2077	1551.3	902.5	446.7	2078	1551.3	902.5	500.0
2079	1496.0	902.5	393.3	2080	1496.0	902.5	446.7	2081	1496.0	902.5	500.0
2082	1440.6	902.5	393.3	2083	1440.6	902.5	446.7	2084	1440.6	902.5	500.0
2085	2049.8	902.5	550.0	2086	2049.8	902.5	600.0	2087	1994.4	902.5	550.0
2088	1994.4	902.5	600.0	2089	1939.0	902.5	550.0	2090	1939.0	902.5	600.0
2091	1883.6	902.5	550.0	2092	1883.6	902.5	600.0	2093	1828.3	902.5	550.0
2094	1828.3	902.5	600.0	2095	1772.9	902.5	550.0	2096	1772.9	902.5	600.0
2097	1717.5	902.5	550.0	2098	1717.5	902.5	600.0	2099	1662.1	902.5	550.0
2100	1662.1	902.5	600.0	2101	1606.7	902.5	550.0	2102	1606.7	902.5	600.0
2103	1551.3	902.5	550.0	2104	1551.3	902.5	600.0	2105	1385.2	-57.5	393.3
2107	2105.2	988.0	50.0	2109	2105.2	988.0	100.0	2110	2105.2	988.0	150.0
2111	2105.2	1045.5	50.0	2112	2105.2	1045.5	100.0	2113	2105.2	1045.5	150.0
2114	2105.2	988.0	200.0	2115	2105.2	988.0	250.0	2116	2105.2	1045.5	200.0
2117	2105.2	1045.5	250.0	2118	2105.2	988.0	295.0	2119	2105.2	988.0	340.0
2120	2105.2	1045.5	295.0	2121	2105.2	1045.5	340.0	2122	2105.2	930.5	393.3
2123	2105.2	930.5	446.7	2124	2105.2	930.5	500.0	2125	2105.2	930.5	550.0
2126	2105.2	930.5	600.0	2127	2105.2	930.5	650.0	2128	2105.2	930.5	700.0
2129	2105.2	988.0	393.3	2130	2105.2	988.0	446.7	2131	2105.2	988.0	500.0
2132	665.2	345.6	806.7	2133	665.2	345.6	860.0	2134	665.2	403.2	753.3
2135	665.2	403.2	806.7	2136	665.2	403.2	860.0	2137	665.2	460.8	753.3
2138	665.2	460.8	806.7	2139	665.2	460.8	860.0	2140	665.2	518.4	753.3
2141	665.2	518.4	806.7	2142	665.2	518.4	860.0	2143	665.2	9.48e-02	910.0
2144	665.2	9.48e-02	960.0	2145	665.2	57.7	910.0	2146	665.2	57.7	960.0
2147	665.2	115.3	910.0	2148	665.2	115.3	960.0	2149	665.2	172.9	910.0
2150	665.2	172.9	960.0	2151	665.2	230.5	910.0	2152	665.2	230.5	960.0
2153	665.2	288.0	910.0	2154	665.2	288.0	960.0	2155	665.2	345.6	910.0
2156	45.2	424.2	860.0	2157	45.2	474.8	753.3	2158	45.2	474.8	806.7
2159	45.2	474.8	860.0	2160	45.2	525.4	753.3	2161	45.2	525.4	806.7
2162	45.2	525.4	860.0	2163	45.2	576.0	753.3	2164	45.2	576.0	806.7
2165	45.2	576.0	860.0	2166	45.2	373.6	910.0	2167	45.2	373.6	960.0
2168	45.2	424.2	910.0	2169	45.2	424.2	960.0	2170	45.2	474.8	910.0
2171	45.2	474.8	960.0	2172	45.2	525.4	910.0	2173	45.2	525.4	960.0
2174	45.2	576.0	910.0	2175	45.2	576.0	960.0	2176	45.2	373.6	1010.0
2177	45.2	373.6	1060.0	2178	45.2	424.2	1010.0	2179	45.2	424.2	1060.0
2180	532.2	-57.5	960.0	2181	292.2	-57.5	1060.0	2182	487.2	-57.5	960.0
2183	247.2	-57.5	1010.0	2184	442.2	-57.5	960.0	2185	532.2	-57.5	1010.0
2186	532.2	-57.5	1060.0	2187	487.2	-57.5	1010.0	2188	487.2	-57.5	1060.0
2189	442.2	-57.5	1010.0	2190	442.2	-57.5	1060.0	2191	292.2	-57.5	753.3
2192	292.2	-57.5	806.7	2193	292.2	-57.5	860.0	2194	247.2	-57.5	753.3
2195	247.2	-57.5	806.7	2196	247.2	-57.5	860.0	2197	202.2	-57.5	753.3
2198	202.2	-57.5	806.7	2199	202.2	-57.5	860.0	2200	247.2	-57.5	1060.0
2201	292.2	-57.5	960.0	2202	202.2	-57.5	1010.0	2203	247.2	-57.5	960.0
2204	337.2	-57.5	753.3	2205	337.2	-57.5	806.7	2206	337.2	-57.5	860.0
2207	397.2	-57.5	910.0	2208	367.2	-57.5	910.0	2209	397.2	-57.5	960.0
2210	367.2	-57.5	960.0	2211	337.2	-57.5	910.0	2212	337.2	-57.5	960.0
2213	397.2	-57.5	1010.0	2214	367.2	-57.5	1010.0	2215	397.2	-57.5	1060.0
2216	157.2	-57.5	1060.0	2217	101.2	-57.5	1060.0	2218	45.2	-57.5	1010.0
2219	45.2	-57.5	1060.0	2220	532.2	-57.5	753.3	2221	532.2	-57.5	806.7
2222	532.2	-57.5	860.0	2223	202.2	-57.5	1060.0	2224	202.2	-57.5	960.0
2225	45.2	-3.1	753.3	2226	45.2	-3.1	806.7	2227	45.2	-3.1	860.0
2228	45.2	51.2	753.3	2229	45.2	51.2	806.7	2230	45.2	51.2	860.0
2231	45.2	105.6	753.3	2232	101.2	-57.5	806.7	2233	157.2	-57.5	860.0
2234	101.2	-57.5	860.0	2235	45.2	105.6	806.7	2236	45.2	105.6	860.0
2237	45.2	159.9	753.3	2238	45.2	159.9	806.7	2239	45.2	159.9	860.0
2240	45.2	214.3	753.3	2241	45.2	-57.5	753.3	2242	45.2	-57.5	806.7
2243	45.2	214.3	806.7	2244	45.2	214.3	860.0	2245	45.2	268.6	753.3
2246	45.2	268.6	806.7	2247	45.2	268.6	860.0	2248	45.2	323.0	753.3
2249	45.2	-57.5	860.0	2250	157.2	-57.5	910.0	2251	45.2	105.6	1060.0

2252	45.2	159.9	1010.0	2253	45.2	159.9	1060.0	2254	45.2	214.3	1010.0
2255	45.2	214.3	1060.0	2256	45.2	268.6	1010.0	2257	45.2	268.6	1060.0
2258	45.2	474.8	1010.0	2259	45.2	474.8	1060.0	2260	45.2	525.4	1010.0
2261	45.2	525.4	1060.0	2262	45.2	576.0	1010.0	2263	45.2	576.0	1060.0
2264	92.2	576.0	753.3	2265	92.2	576.0	806.7	2266	92.2	576.0	860.0
2267	139.2	576.0	753.3	2268	139.2	576.0	806.7	2269	139.2	576.0	860.0
2270	186.2	576.0	753.3	2271	186.2	576.0	806.7	2272	186.2	576.0	860.0
2273	233.2	576.0	753.3	2274	233.2	576.0	806.7	2275	233.2	576.0	860.0
2276	92.2	576.0	910.0	2277	92.2	576.0	960.0	2278	139.2	576.0	910.0
2279	665.2	345.6	960.0	2280	665.2	403.2	910.0	2281	665.2	403.2	960.0
2282	665.2	460.8	910.0	2283	665.2	460.8	960.0	2284	665.2	518.4	910.0
2285	665.2	518.4	960.0	2286	665.2	9.48e-02	1010.0	2287	665.2	9.48e-02	1060.0
2288	571.2	576.0	860.0	2289	618.2	576.0	753.3	2290	618.2	576.0	806.7
2291	618.2	576.0	960.0	2292	665.2	576.0	910.0	2293	665.2	576.0	960.0
2294	477.2	576.0	1010.0	2295	665.2	57.7	1010.0	2296	524.2	576.0	1010.0
2297	618.2	576.0	860.0	2298	665.2	576.0	753.3	2299	477.2	576.0	1060.0
2300	524.2	576.0	1060.0	2301	571.2	576.0	1010.0	2302	571.2	576.0	1060.0
2303	618.2	576.0	1010.0	2304	618.2	576.0	1060.0	2305	665.2	576.0	806.7
2306	665.2	576.0	860.0	2307	665.2	460.8	1060.0	2308	665.2	518.4	1010.0
2309	665.2	576.0	1010.0	2310	665.2	576.0	1060.0	2311	665.2	9.48e-02	753.3
2312	665.2	518.4	1060.0	2313	665.2	627.1	753.3	2314	665.2	627.1	806.7
2315	665.2	627.1	860.0	2316	665.2	678.2	753.3	2317	665.2	57.7	1060.0
2318	665.2	115.3	1010.0	2319	665.2	115.3	1060.0	2320	665.2	678.2	806.7
2321	665.2	678.2	860.0	2322	665.2	627.1	910.0	2323	665.2	627.1	960.0
2324	665.2	9.48e-02	806.7	2325	477.2	576.0	910.0	2326	665.2	678.2	910.0
2327	665.2	678.2	960.0	2328	665.2	172.9	1010.0	2329	665.2	172.9	1060.0
2330	665.2	627.1	1010.0	2331	524.2	576.0	910.0	2332	665.2	9.48e-02	860.0
2333	665.2	57.7	753.3	2334	665.2	57.7	806.7	2335	665.2	627.1	1060.0
2336	665.2	678.2	1010.0	2337	665.2	678.2	1060.0	2338	1385.2	1414.5	753.3
2339	1385.2	1414.5	806.7	2340	665.2	230.5	1010.0	2341	665.2	230.5	1060.0
2342	665.2	57.7	860.0	2343	665.2	115.3	753.3	2344	1385.2	-57.5	753.3
2345	2105.2	930.5	753.3	2346	2105.2	930.5	806.7	2347	665.2	115.3	806.7
2348	477.2	576.0	960.0	2349	2105.2	930.5	860.0	2350	2105.2	930.5	910.0
2351	2105.2	930.5	960.0	2352	2105.2	930.5	1010.0	2353	367.2	-57.5	1060.0
2354	337.2	-57.5	1010.0	2355	337.2	-57.5	1060.0	2356	487.2	-57.5	753.3
2357	487.2	-57.5	806.7	2358	487.2	-57.5	860.0	2359	101.2	-57.5	910.0
2360	157.2	-57.5	960.0	2361	524.2	576.0	960.0	2362	1385.2	1001.7	1010.0
2363	2105.2	930.5	1060.0	2364	2105.2	988.0	753.3	2365	2105.2	988.0	806.7
2366	2105.2	988.0	860.0	2367	157.2	-57.5	753.3	2368	101.2	-57.5	753.3
2369	157.2	-57.5	806.7	2370	442.2	-57.5	753.3	2371	139.2	576.0	960.0
2372	442.2	-57.5	806.7	2373	442.2	-57.5	860.0	2374	186.2	576.0	910.0
2375	186.2	576.0	960.0	2376	292.2	-57.5	1010.0	2377	45.2	323.0	806.7
2378	233.2	576.0	910.0	2379	233.2	576.0	960.0	2380	45.2	323.0	860.0
2381	45.2	-3.1	910.0	2382	45.2	-3.1	960.0	2383	45.2	51.2	910.0
2384	45.2	51.2	960.0	2385	45.2	105.6	910.0	2386	45.2	105.6	960.0
2387	45.2	159.9	910.0	2388	45.2	159.9	960.0	2389	45.2	214.3	910.0
2390	101.2	-57.5	960.0	2391	45.2	-57.5	910.0	2392	45.2	323.0	1010.0
2393	45.2	214.3	960.0	2394	45.2	268.6	910.0	2395	45.2	268.6	960.0
2396	45.2	323.0	910.0	2397	45.2	323.0	1060.0	2398	45.2	373.6	753.3
2399	45.2	373.6	806.7	2400	45.2	373.6	860.0	2401	1385.2	1164.2	600.0
2402	1385.2	1164.2	650.0	2403	1385.2	1001.7	910.0	2404	1385.2	1001.7	960.0
2405	1385.2	952.1	910.0	2406	1385.2	952.1	960.0	2407	1385.2	902.5	910.0
2408	1385.2	1001.7	1060.0	2409	1385.2	952.1	1010.0	2410	1385.2	952.1	1060.0
2411	1385.2	902.5	1010.0	2412	1385.2	902.5	1060.0	2413	1581.2	1462.5	650.0
2414	1533.2	1462.5	650.0	2415	1485.2	1462.5	650.0	2416	2049.8	902.5	753.3
2417	2049.8	902.5	806.7	2418	2049.8	902.5	860.0	2419	1994.4	902.5	753.3
2420	1994.4	902.5	806.7	2421	1994.4	902.5	860.0	2422	1939.0	902.5	753.3
2423	1939.0	902.5	806.7	2424	1939.0	902.5	860.0	2425	1883.6	902.5	753.3
2426	1883.6	902.5	806.7	2427	1883.6	902.5	860.0	2428	1828.3	902.5	753.3
2429	1828.3	902.5	806.7	2430	1828.3	902.5	860.0	2431	1772.9	902.5	753.3
2432	1385.2	1414.5	860.0	2433	1385.2	1366.5	753.3	2434	1385.2	1366.5	806.7
2435	1385.2	1366.5	860.0	2436	1385.2	1318.5	753.3	2437	1385.2	1318.5	806.7
2438	1385.2	1318.5	860.0	2439	1385.2	1270.5	753.3	2440	1385.2	1270.5	806.7
2441	1385.2	1270.5	860.0	2442	1385.2	1414.5	910.0	2443	1385.2	1414.5	960.0
2444	665.2	288.0	1010.0	2445	665.2	288.0	1060.0	2446	665.2	345.6	1010.0
2447	1385.2	1366.5	910.0	2448	1385.2	1366.5	960.0	2449	1385.2	1318.5	910.0
2450	1385.2	1318.5	960.0	2451	1385.2	1270.5	910.0	2452	1385.2	1270.5	960.0
2453	665.2	345.6	1060.0	2454	665.2	403.2	1010.0	2455	1385.2	1414.5	1010.0
2456	1385.2	1414.5	1060.0	2457	1385.2	1366.5	1010.0	2458	1385.2	1366.5	1060.0
2459	1385.2	1318.5	1010.0	2460	1385.2	1318.5	1060.0	2461	665.2	403.2	1060.0
2462	665.2	460.8	1010.0	2463	45.2	424.2	753.3	2464	45.2	424.2	806.7
2465	92.2	576.0	1010.0	2466	92.2	576.0	1060.0	2467	45.2	-57.5	960.0
2468	157.2	-57.5	1010.0	2469	101.2	-57.5	1010.0	2470	45.2	323.0	960.0
2471	139.2	576.0	1010.0	2472	1772.9	902.5	806.7	2473	139.2	576.0	1060.0
2474	186.2	576.0	1010.0	2475	1772.9	902.5	860.0	2476	1717.5	902.5	753.3

2477	186.2	576.0	1060.0	2478	45.2	-3.1	1010.0	2479	1385.2	1270.5	1010.0
2480	1385.2	1270.5	1060.0	2481	45.2	-3.1	1060.0	2482	45.2	51.2	1010.0
2483	1717.5	902.5	806.7	2484	1717.5	902.5	860.0	2485	1662.1	902.5	753.3
2486	45.2	51.2	1060.0	2487	1662.1	902.5	806.7	2488	1662.1	902.5	860.0
2489	1606.7	902.5	753.3	2490	1606.7	902.5	806.7	2491	233.2	576.0	1010.0
2492	45.2	105.6	1010.0	2493	233.2	576.0	1060.0	2494	477.2	576.0	753.3
2495	1385.2	902.5	960.0	2496	1385.2	1212.5	1010.0	2497	2105.2	1047.7	1010.0
2498	1437.2	1462.5	650.0	2499	1437.2	1462.5	600.0	2500	1385.2	1115.8	700.0
2501	1385.2	1164.2	700.0	2502	1606.7	902.5	860.0	2503	1551.3	902.5	753.3
2504	1551.3	902.5	806.7	2505	1551.3	902.5	860.0	2506	1496.0	902.5	753.3
2507	1496.0	902.5	806.7	2508	1496.0	902.5	860.0	2509	1440.6	902.5	753.3
2510	1440.6	902.5	806.7	2511	1440.6	902.5	860.0	2512	665.2	115.3	860.0
2513	665.2	172.9	753.3	2514	665.2	172.9	806.7	2515	665.2	172.9	860.0
2516	665.2	230.5	753.3	2517	665.2	230.5	806.7	2518	665.2	230.5	860.0
2519	665.2	288.0	753.3	2520	524.2	576.0	753.3	2521	477.2	576.0	806.7
2522	524.2	576.0	806.7	2523	477.2	576.0	860.0	2524	665.2	288.0	806.7
2525	571.2	576.0	910.0	2526	571.2	576.0	960.0	2527	618.2	576.0	910.0
2528	524.2	576.0	860.0	2529	571.2	576.0	753.3	2530	665.2	288.0	860.0
2531	665.2	345.6	753.3	2532	571.2	576.0	806.7	2533	2049.8	902.5	910.0
2534	2049.8	902.5	960.0	2535	1994.4	902.5	910.0	2536	1994.4	902.5	960.0
2537	1939.0	902.5	910.0	2538	1939.0	902.5	960.0	2539	1883.6	902.5	910.0
2540	1883.6	902.5	960.0	2541	1828.3	902.5	910.0	2542	2105.2	1107.4	960.0
2543	1828.3	902.5	960.0	2544	1772.9	902.5	910.0	2545	1772.9	902.5	960.0
2546	1717.5	902.5	910.0	2547	1717.5	902.5	960.0	2548	1662.1	902.5	910.0
2549	1662.1	902.5	960.0	2550	1606.7	902.5	910.0	2551	1606.7	902.5	960.0
2552	1551.3	902.5	910.0	2553	1551.3	902.5	960.0	2554	2105.2	1107.4	1010.0
2555	2105.2	1047.7	1060.0	2556	2105.2	1167.1	960.0	2557	2105.2	1107.4	1060.0
2558	1385.2	1212.5	393.3	2559	1385.2	1212.5	500.0	2560	1385.2	1212.5	550.0
2561	1385.2	1001.7	753.3	2562	1385.2	1001.7	806.7	2563	1385.2	1001.7	860.0
2564	1385.2	952.1	753.3	2565	1385.2	952.1	806.7	2566	1385.2	952.1	860.0
2567	1385.2	902.5	753.3	2568	1385.2	902.5	806.7	2569	1385.2	902.5	860.0
2570	2105.2	1167.1	1010.0	2571	2105.2	1167.1	1060.0	2572	2105.2	1226.8	960.0
2573	1385.2	1212.5	446.7	2574	1385.2	1212.5	1060.0	2575	1278.0	-57.5	753.3
2576	1278.0	-57.5	806.7	2577	1331.6	-57.5	753.3	2578	1331.6	-57.5	806.7
2579	1278.0	-57.5	860.0	2580	1331.6	-57.5	860.0	2581	1278.0	-57.5	910.0
2582	1331.6	-57.5	910.0	2583	1278.0	-57.5	960.0	2584	1331.6	-57.5	960.0
2585	1278.0	-57.5	1010.0	2586	1331.6	-57.5	1010.0	2587	1278.0	-57.5	1060.0
2588	1331.6	-57.5	1060.0	2589	2105.2	988.0	1010.0	2590	2105.2	988.0	1060.0
2591	1737.2	2002.5	753.3	2592	2052.6	2002.5	753.3	2593	1737.2	2002.5	806.7
2594	2052.6	2002.5	806.7	2595	1737.2	2002.5	860.0	2596	2052.6	2002.5	860.0
2597	2000.0	2002.5	753.3	2598	2000.0	2002.5	806.7	2599	2000.0	2002.5	860.0
2600	1947.5	2002.5	753.3	2601	1947.5	2002.5	806.7	2602	1947.5	2002.5	860.0
2603	1894.9	2002.5	753.3	2604	1894.9	2002.5	806.7	2605	1894.9	2002.5	860.0
2606	1842.3	2002.5	753.3	2607	1842.3	2002.5	806.7	2608	1842.3	2002.5	860.0
2609	1789.8	2002.5	753.3	2610	1789.8	2002.5	806.7	2611	1789.8	2002.5	860.0
2612	1842.3	1950.5	650.0	2613	1842.3	1950.5	700.0	2614	2105.2	2002.5	960.0
2615	1737.2	2002.5	910.0	2616	2052.6	2002.5	910.0	2617	1737.2	2002.5	960.0
2618	2052.6	2002.5	960.0	2619	2000.0	2002.5	910.0	2620	2000.0	2002.5	960.0
2621	1947.5	2002.5	910.0	2622	1947.5	2002.5	960.0	2623	1894.9	2002.5	910.0
2624	1894.9	2002.5	960.0	2625	1842.3	2002.5	910.0	2626	1842.3	2002.5	960.0
2627	1789.8	2002.5	910.0	2628	1789.8	2002.5	960.0	2629	2105.2	2002.5	1010.0
2630	2105.2	1462.5	753.3	2631	1737.2	2002.5	1010.0	2632	2052.6	2002.5	1010.0
2633	1737.2	2002.5	1060.0	2634	2052.6	2002.5	1060.0	2635	2000.0	2002.5	1010.0
2636	2000.0	2002.5	1060.0	2637	1947.5	2002.5	1010.0	2638	1947.5	2002.5	1060.0
2639	1894.9	2002.5	1010.0	2640	1894.9	2002.5	1060.0	2641	1842.3	2002.5	1010.0
2642	1842.3	2002.5	1060.0	2643	1789.8	2002.5	1010.0	2644	1789.8	2002.5	1060.0
2645	2105.2	1462.5	806.7	2646	2105.2	1462.5	860.0	2647	1678.1	2002.5	753.3
2648	1678.1	2002.5	806.7	2649	1678.1	2002.5	860.0	2650	1619.0	2002.5	753.3
2651	1619.0	2002.5	806.7	2652	1619.0	2002.5	860.0	2653	1560.0	2002.5	753.3
2654	1560.0	2002.5	806.7	2655	1560.0	2002.5	860.0	2656	1500.9	2002.5	753.3
2657	1165.2	902.5	1060.0	2658	1500.9	2002.5	806.7	2659	1500.9	2002.5	860.0
2660	1441.8	2002.5	753.3	2661	1441.8	2002.5	806.7	2662	1441.8	2002.5	860.0
2663	1678.1	2002.5	910.0	2664	1678.1	2002.5	960.0	2665	1619.0	2002.5	910.0
2666	1619.0	2002.5	960.0	2667	1560.0	2002.5	910.0	2668	1560.0	2002.5	960.0
2669	1500.9	2002.5	910.0	2670	1500.9	2002.5	960.0	2671	1441.8	2002.5	910.0
2672	1441.8	2002.5	960.0	2673	1678.1	2002.5	1010.0	2674	1678.1	2002.5	1060.0
2675	1619.0	2002.5	1010.0	2676	1619.0	2002.5	1060.0	2677	1560.0	2002.5	1010.0
2678	1560.0	2002.5	1060.0	2679	1500.9	2002.5	1010.0	2680	1500.9	2002.5	1060.0
2681	1441.8	2002.5	1010.0	2682	1441.8	2002.5	1060.0	2683	1737.2	1950.5	753.3
2684	1737.2	1950.5	806.7	2685	1737.2	1950.5	860.0	2686	1737.2	1950.5	910.0
2687	1737.2	1950.5	960.0	2688	1737.2	1950.5	1010.0	2689	1737.2	1950.5	1060.0
2690	1737.2	1462.5	753.3	2691	2051.7	1462.5	753.3	2692	1737.2	1462.5	806.7
2693	2051.7	1462.5	806.7	2694	1737.2	1462.5	860.0	2695	2051.7	1462.5	860.0
2696	1998.2	1462.5	753.3	2697	1998.2	1462.5	806.7	2698	1998.2	1462.5	860.0
2699	1944.7	1462.5	753.3	2700	1944.7	1462.5	806.7	2701	1944.7	1462.5	860.0

2702	1891.2	1462.5	753.3	2703	1891.2	1462.5	806.7	2704	1891.2	1462.5	860.0
2705	1842.3	1462.5	753.3	2706	1842.3	1462.5	806.7	2707	1842.3	1462.5	860.0
2708	1784.2	1462.5	753.3	2709	1784.2	1462.5	806.7	2710	1784.2	1462.5	860.0
2711	2105.2	1462.5	910.0	2712	2105.2	1462.5	960.0	2713	1842.3	1530.5	393.3
2714	1677.2	1462.5	753.3	2715	1677.2	1462.5	806.7	2716	1677.2	1462.5	860.0
2717	1737.2	1462.5	910.0	2718	2051.7	1462.5	910.0	2719	1737.2	1462.5	960.0
2720	2051.7	1462.5	960.0	2721	1998.2	1462.5	910.0	2722	1998.2	1462.5	960.0
2723	1944.7	1462.5	910.0	2724	1944.7	1462.5	960.0	2725	1891.2	1462.5	910.0
2726	1891.2	1462.5	960.0	2727	1842.3	1462.5	910.0	2728	1842.3	1462.5	960.0
2729	1784.2	1462.5	910.0	2730	1784.2	1462.5	960.0	2731	1842.3	1496.5	393.3
2732	1842.3	1530.5	446.7	2733	1677.2	1462.5	910.0	2734	1677.2	1462.5	960.0
2735	1737.2	1462.5	1010.0	2736	2051.7	1462.5	1010.0	2737	1737.2	1462.5	1060.0
2738	2051.7	1462.5	1060.0	2739	1998.2	1462.5	1010.0	2740	1998.2	1462.5	1060.0
2741	1944.7	1462.5	1010.0	2742	1944.7	1462.5	1060.0	2743	1891.2	1462.5	1010.0
2744	1891.2	1462.5	1060.0	2745	1842.3	1462.5	1010.0	2746	1842.3	1462.5	1060.0
2747	1784.2	1462.5	1010.0	2748	1784.2	1462.5	1060.0	2749	1842.3	1496.5	446.7
2750	1842.3	1530.5	500.0	2751	1677.2	1462.5	1010.0	2752	1677.2	1462.5	1060.0
2754	1385.2	1462.5	753.3	2755	2105.2	2002.5	100.0	2756	1385.2	1462.5	806.7
2757	2105.2	2002.5	150.0	2758	1385.2	1462.5	860.0	2759	2105.2	2002.5	200.0
2760	1385.2	1462.5	910.0	2761	2105.2	2002.5	250.0	2762	1385.2	1462.5	960.0
2763	2105.2	2002.5	295.0	2764	1385.2	1462.5	1010.0	2765	1437.2	1462.5	1060.0
2766	1385.2	1462.5	1060.0	2767	2105.2	2002.5	340.0	2768	2105.2	2002.5	393.3
2769	1629.2	1462.5	1060.0	2770	2105.2	2002.5	446.7	2771	2105.2	2002.5	500.0
2772	1581.2	1462.5	1060.0	2773	2105.2	2002.5	550.0	2774	2105.2	2002.5	600.0
2775	1533.2	1462.5	1060.0	2776	2105.2	2002.5	650.0	2777	2105.2	2002.5	700.0
2778	1485.2	1462.5	1060.0	2779	1165.2	2002.5	1060.0	2780	1737.2	1530.5	753.3
2781	1737.2	1496.5	753.3	2782	1737.2	1530.5	806.7	2783	1737.2	1496.5	806.7
2784	1737.2	1530.5	860.0	2785	1737.2	1496.5	860.0	2786	1737.2	1530.5	910.0
2787	1737.2	1496.5	910.0	2788	1737.2	1530.5	960.0	2789	1737.2	1496.5	960.0
2790	1737.2	1530.5	1010.0	2791	1737.2	1496.5	1010.0	2792	1737.2	1530.5	1060.0
2793	1737.2	1496.5	1060.0	2794	2105.2	1403.8	753.3	2795	2105.2	1403.8	806.7
2796	2105.2	1403.8	860.0	2797	2105.2	1345.2	753.3	2798	2105.2	1345.2	806.7
2799	2105.2	1345.2	860.0	2800	2105.2	1286.5	753.3	2801	2105.2	1286.5	806.7
2802	2105.2	1286.5	860.0	2803	1385.2	-57.5	806.7	2804	1385.2	-57.5	860.0
2805	1385.2	-57.5	910.0	2806	1224.4	-57.5	753.3	2807	1224.4	-57.5	806.7
2808	1224.4	-57.5	860.0	2809	2105.2	1403.8	910.0	2810	2105.2	1403.8	960.0
2811	2105.2	1345.2	910.0	2812	2105.2	1345.2	960.0	2813	2105.2	1286.5	910.0
2814	2105.2	1286.5	960.0	2815	1385.2	-57.5	960.0	2816	1385.2	-57.5	1010.0
2817	1224.4	-57.5	910.0	2818	1224.4	-57.5	960.0	2819	2105.2	1403.8	1010.0
2820	2105.2	1403.8	1060.0	2821	2105.2	1345.2	1010.0	2822	2105.2	1345.2	1060.0
2823	2105.2	1286.5	1010.0	2824	2105.2	1286.5	1060.0	2825	1385.2	-57.5	1060.0
2826	2105.2	988.0	910.0	2827	1224.4	-57.5	1010.0	2828	2105.2	988.0	960.0
2829	1224.4	-57.5	1060.0	2830	1165.2	1462.5	1060.0	2831	2105.2	902.5	753.3
2832	2105.2	847.2	753.3	2833	2105.2	902.5	806.7	2834	2105.2	847.2	806.7
2835	2105.2	902.5	860.0	2836	2105.2	847.2	860.0	2837	2105.2	791.8	753.3
2838	2105.2	791.8	806.7	2839	2105.2	791.8	860.0	2840	2105.2	736.5	753.3
2841	2105.2	736.5	806.7	2842	2105.2	736.5	860.0	2843	2105.2	681.2	753.3
2844	2105.2	681.2	806.7	2845	2105.2	681.2	860.0	2846	2105.2	625.8	753.3
2847	2105.2	625.8	806.7	2848	2105.2	625.8	860.0	2849	2105.2	902.5	910.0
2850	2105.2	847.2	910.0	2851	2105.2	902.5	960.0	2852	2105.2	847.2	960.0
2853	2105.2	791.8	910.0	2854	2105.2	791.8	960.0	2855	2105.2	736.5	910.0
2856	2105.2	736.5	960.0	2857	2105.2	681.2	910.0	2858	2105.2	681.2	960.0
2859	2105.2	625.8	910.0	2860	2105.2	625.8	960.0	2861	2105.2	902.5	1010.0
2862	2105.2	847.2	1010.0	2863	2105.2	902.5	1060.0	2864	2105.2	847.2	1060.0
2865	2105.2	791.8	1010.0	2866	2105.2	791.8	1060.0	2867	2105.2	736.5	1010.0
2868	2105.2	736.5	1060.0	2869	2105.2	681.2	1010.0	2870	2105.2	681.2	1060.0
2871	2105.2	625.8	1010.0	2872	2105.2	625.8	1060.0	2873	2105.2	390.5	753.3
2874	2105.2	360.5	753.3	2875	2105.2	390.5	806.7	2876	2105.2	360.5	806.7
2877	2105.2	390.5	860.0	2878	2105.2	360.5	860.0	2879	2105.2	330.5	753.3
2880	2105.2	330.5	806.7	2881	2105.2	330.5	860.0	2882	2105.2	390.5	910.0
2883	2105.2	360.5	910.0	2884	2105.2	390.5	960.0	2885	2105.2	360.5	960.0
2886	2105.2	330.5	910.0	2887	2105.2	330.5	960.0	2888	2105.2	390.5	1010.0
2889	2105.2	360.5	1010.0	2890	2105.2	390.5	1060.0	2891	2105.2	360.5	1060.0
2892	2105.2	330.5	1010.0	2893	2105.2	330.5	1060.0	2894	2105.2	98.5	753.3
2895	2105.2	46.5	753.3	2896	2105.2	98.5	806.7	2897	2105.2	46.5	806.7
2898	2105.2	98.5	860.0	2899	2105.2	46.5	860.0	2900	2105.2	-5.5	753.3
2901	2105.2	-5.5	806.7	2902	2105.2	-5.5	860.0	2903	2105.2	-57.5	753.3
2904	2105.2	-57.5	806.7	2905	2105.2	-57.5	860.0	2906	2105.2	98.5	910.0
2907	2105.2	46.5	910.0	2908	2105.2	98.5	960.0	2909	2105.2	46.5	960.0
2910	2105.2	-5.5	910.0	2911	2105.2	-5.5	960.0	2912	2105.2	-57.5	910.0
2913	2105.2	-57.5	960.0	2914	2105.2	98.5	1010.0	2915	2105.2	46.5	1010.0
2916	2105.2	98.5	1060.0	2917	2105.2	46.5	1060.0	2918	2105.2	-5.5	1010.0
2919	2105.2	-5.5	1060.0	2920	2105.2	-57.5	1010.0	2921	2105.2	-57.5	1060.0
2922	2053.2	-57.5	753.3	2923	2053.2	-57.5	806.7	2924	2053.2	-57.5	860.0
2925	2001.2	-57.5	753.3	2926	2001.2	-57.5	806.7	2927	2001.2	-57.5	860.0

2928	1949.2	-57.5	753.3	2929	1949.2	-57.5	806.7	2930	1949.2	-57.5	860.0
2931	2053.2	-57.5	910.0	2932	2053.2	-57.5	960.0	2933	2001.2	-57.5	910.0
2934	2001.2	-57.5	960.0	2935	1949.2	-57.5	910.0	2936	1949.2	-57.5	960.0
2937	2053.2	-57.5	1010.0	2938	2053.2	-57.5	1060.0	2939	2001.2	-57.5	1010.0
2940	2001.2	-57.5	1060.0	2941	1949.2	-57.5	1010.0	2942	1949.2	-57.5	1060.0
2943	1717.2	-57.5	753.3	2944	1687.2	-57.5	753.3	2945	1717.2	-57.5	806.7
2946	1687.2	-57.5	806.7	2947	1717.2	-57.5	860.0	2948	1687.2	-57.5	860.0
2949	1657.2	-57.5	753.3	2950	1657.2	-57.5	806.7	2951	1657.2	-57.5	860.0
2952	1717.2	-57.5	910.0	2953	1687.2	-57.5	910.0	2954	1717.2	-57.5	960.0
2955	1687.2	-57.5	960.0	2956	1657.2	-57.5	910.0	2957	1657.2	-57.5	960.0
2958	1717.2	-57.5	1010.0	2959	1687.2	-57.5	1010.0	2960	1717.2	-57.5	1060.0
2961	1687.2	-57.5	1060.0	2962	1657.2	-57.5	1010.0	2963	1657.2	-57.5	1060.0
2964	1431.2	-57.5	753.3	2965	1772.9	902.5	1060.0	2966	1717.5	902.5	1010.0
2967	1431.2	-57.5	806.7	2968	1994.4	902.5	1010.0	2969	1431.2	-57.5	860.0
2970	1994.4	902.5	1060.0	2971	1717.5	902.5	1060.0	2972	1662.1	902.5	1010.0
2973	1662.1	902.5	1060.0	2974	1606.7	902.5	1010.0	2975	1551.3	902.5	1010.0
2976	1551.3	902.5	1060.0	2977	1606.7	902.5	1060.0	2978	1939.0	902.5	1010.0
2979	1496.0	902.5	1060.0	2980	1496.0	902.5	1010.0	2981	1440.6	902.5	1010.0
2982	1440.6	902.5	1060.0	2983	1170.8	-57.5	753.3	2984	1170.8	-57.5	806.7
2985	1170.8	-57.5	860.0	2986	1431.2	-57.5	910.0	2987	1939.0	902.5	1060.0
2988	1431.2	-57.5	960.0	2989	1883.6	902.5	1010.0	2990	1883.6	902.5	1060.0
2991	1828.3	902.5	1010.0	2992	1828.3	902.5	1060.0	2993	2049.8	902.5	1010.0
2994	665.2	902.5	1060.0	2995	45.2	902.5	1060.0	2996	1170.8	-57.5	910.0
2997	1170.8	-57.5	960.0	2998	1431.2	-57.5	1010.0	2999	1772.9	902.5	1010.0
3000	1431.2	-57.5	1060.0	3001	1496.0	902.5	910.0	3002	2049.8	902.5	1060.0
3003	1496.0	902.5	960.0	3004	1440.6	902.5	910.0	3005	1440.6	902.5	960.0
3006	1385.2	752.5	1060.0	3007	1385.2	92.5	1060.0	3008	1170.8	-57.5	1010.0
3009	1170.8	-57.5	1060.0	3010	882.8	-57.5	753.3	3011	828.4	-57.5	753.3
3012	882.8	-57.5	806.7	3013	828.4	-57.5	806.7	3014	882.8	-57.5	860.0
3015	828.4	-57.5	860.0	3016	774.0	-57.5	753.3	3017	774.0	-57.5	806.7
3018	774.0	-57.5	860.0	3019	719.6	-57.5	753.3	3020	719.6	-57.5	806.7
3021	719.6	-57.5	860.0	3022	665.2	-57.5	753.3	3023	665.2	-57.5	806.7
3024	665.2	-57.5	860.0	3025	882.8	-57.5	910.0	3026	828.4	-57.5	910.0
3027	882.8	-57.5	960.0	3028	828.4	-57.5	960.0	3029	774.0	-57.5	910.0
3030	774.0	-57.5	960.0	3031	719.6	-57.5	910.0	3032	719.6	-57.5	960.0
3033	665.2	-57.5	910.0	3034	665.2	-57.5	960.0	3035	882.8	-57.5	1010.0
3036	828.4	-57.5	1010.0	3037	882.8	-57.5	1060.0	3038	828.4	-57.5	1060.0
3039	774.0	-57.5	1010.0	3040	774.0	-57.5	1060.0	3041	719.6	-57.5	1010.0
3042	719.6	-57.5	1060.0	3043	665.2	-57.5	1010.0	3044	665.2	-57.5	1060.0
3045	621.2	-57.5	753.3	3046	621.2	-57.5	806.7	3047	621.2	-57.5	860.0
3048	577.2	-57.5	753.3	3049	577.2	-57.5	806.7	3050	577.2	-57.5	860.0
3051	621.2	-57.5	910.0	3052	621.2	-57.5	960.0	3053	577.2	-57.5	910.0
3054	577.2	-57.5	960.0	3055	621.2	-57.5	1010.0	3056	621.2	-57.5	1060.0
3057	577.2	-57.5	1010.0	3058	577.2	-57.5	1060.0	3059	397.2	-57.5	753.3
3060	367.2	-57.5	753.3	3061	397.2	-57.5	806.7	3062	367.2	-57.5	806.7
3063	397.2	-57.5	860.0	3064	367.2	-57.5	860.0	3065	1842.3	1496.5	500.0
3066	1842.3	1530.5	550.0	3067	1629.2	1462.5	753.3	3068	1629.2	1462.5	806.7
3069	1629.2	1462.5	860.0	3070	1629.2	1462.5	910.0	3071	1629.2	1462.5	960.0
3072	1629.2	1462.5	1010.0	3073	1581.2	1462.5	753.3	3074	1581.2	1462.5	806.7
3075	1581.2	1462.5	860.0	3076	1581.2	1462.5	910.0	3077	1581.2	1462.5	960.0
3078	1581.2	1462.5	1010.0	3079	1533.2	1462.5	753.3	3080	1533.2	1462.5	806.7
3081	1533.2	1462.5	860.0	3082	1533.2	1462.5	910.0	3083	1533.2	1462.5	960.0
3084	1533.2	1462.5	1010.0	3085	1485.2	1462.5	753.3	3086	1485.2	1462.5	806.7
3087	1485.2	1462.5	860.0	3088	1485.2	1462.5	910.0	3089	1485.2	1462.5	960.0
3090	1485.2	1462.5	1010.0	3091	1437.2	1462.5	753.3	3092	1437.2	1462.5	806.7
3093	1437.2	1462.5	860.0	3094	1437.2	1462.5	910.0	3095	1437.2	1462.5	960.0
3096	1437.2	1462.5	1010.0	3098	2105.2	1226.8	1060.0	3099	1117.2	-57.5	393.3
3100	1117.2	-57.5	446.7	3101	937.2	-57.5	393.3	3102	937.2	-57.5	446.7
3103	982.2	-57.5	340.0	3104	982.2	-57.5	393.3	3105	1027.2	-57.5	340.0
3106	1027.2	-57.5	393.3	3107	1072.2	-57.5	340.0	3108	1072.2	-57.5	393.3
3109	982.2	-57.5	446.7	3110	1027.2	-57.5	446.7	3111	1072.2	-57.5	446.7
3112	930.8	-57.5	960.0	3113	930.8	-57.5	1010.0	3114	978.8	-57.5	960.0
3115	978.8	-57.5	1010.0	3116	1026.8	-57.5	960.0	3117	1026.8	-57.5	1010.0
3118	1074.8	-57.5	960.0	3119	1074.8	-57.5	1010.0	3120	1122.8	-57.5	960.0
3121	1122.8	-57.5	1010.0	3122	930.8	-57.5	1060.0	3123	978.8	-57.5	1060.0
3124	1026.8	-57.5	1060.0	3125	1074.8	-57.5	1060.0	3126	1122.8	-57.5	1060.0
3127	1476.4	-57.5	960.0	3128	1476.4	-57.5	1010.0	3129	1521.6	-57.5	960.0
3130	1521.6	-57.5	1010.0	3131	1566.8	-57.5	960.0	3132	1566.8	-57.5	1010.0
3133	1612.0	-57.5	960.0	3134	1612.0	-57.5	1010.0	3135	1476.4	-57.5	1060.0
3136	1521.6	-57.5	1060.0	3137	1566.8	-57.5	1060.0	3138	1612.0	-57.5	1060.0
3139	1477.2	-57.5	393.3	3140	1477.2	-57.5	446.7	3141	1522.2	-57.5	340.0
3142	1522.2	-57.5	393.3	3143	1567.2	-57.5	340.0	3144	1567.2	-57.5	393.3
3145	1612.2	-57.5	340.0	3146	1612.2	-57.5	393.3	3147	1522.2	-57.5	446.7
3148	1567.2	-57.5	446.7	3149	1612.2	-57.5	446.7	3150	1897.2	-57.5	393.3
3151	1897.2	-57.5	446.7	3152	1762.2	-57.5	340.0	3153	1762.2	-57.5	393.3

3154	1807.2	-57.5	340.0	3155	1807.2	-57.5	393.3	3156	1852.2	-57.5	340.0
3157	1852.2	-57.5	393.3	3158	1762.2	-57.5	446.7	3159	1807.2	-57.5	446.7
3160	1852.2	-57.5	446.7	3161	1763.6	-57.5	960.0	3162	1763.6	-57.5	1010.0
3163	1810.0	-57.5	960.0	3164	1810.0	-57.5	1010.0	3165	1856.4	-57.5	960.0
3166	1856.4	-57.5	1010.0	3167	1902.8	-57.5	960.0	3168	1902.8	-57.5	1010.0
3169	1763.6	-57.5	1060.0	3170	1810.0	-57.5	1060.0	3171	1856.4	-57.5	1060.0
3172	1902.8	-57.5	1060.0	3173	2105.2	150.5	393.3	3174	2105.2	150.5	446.7
3175	2105.2	210.5	340.0	3176	2105.2	210.5	393.3	3177	2105.2	270.5	340.0
3178	2105.2	270.5	393.3	3179	2105.2	210.5	446.7	3180	2105.2	270.5	446.7
3181	2105.2	156.5	960.0	3182	2105.2	156.5	1010.0	3183	2105.2	214.5	960.0
3184	2105.2	214.5	1010.0	3185	2105.2	272.5	960.0	3186	2105.2	272.5	1010.0
3187	2105.2	156.5	1060.0	3188	2105.2	214.5	1060.0	3189	2105.2	272.5	1060.0
3190	2105.2	449.3	960.0	3191	2105.2	449.3	1010.0	3192	2105.2	508.2	960.0
3193	2105.2	508.2	1010.0	3194	2105.2	567.0	960.0	3195	2105.2	567.0	1010.0
3196	2105.2	449.3	1060.0	3197	2105.2	508.2	1060.0	3198	2105.2	567.0	1060.0
3199	2105.2	570.5	393.3	3200	2105.2	570.5	446.7	3201	2105.2	1227.8	393.3
3202	2105.2	1227.8	446.7	3203	2105.2	1045.5	393.3	3204	2105.2	1045.5	446.7
3205	2105.2	450.5	340.0	3206	2105.2	450.5	393.3	3207	2105.2	510.5	340.0
3208	2105.2	510.5	393.3	3209	2105.2	450.5	446.7	3210	2105.2	510.5	446.7
3211	2105.2	1106.3	340.0	3212	2105.2	1106.3	393.3	3213	2105.2	1167.1	340.0
3214	2105.2	1167.1	393.3	3215	2105.2	1106.3	446.7	3216	2105.2	1167.1	446.7
3217	2105.2	1047.7	960.0	3218	1385.2	1212.5	50.0	3220	1385.2	1212.5	100.0
3221	1385.2	1212.5	150.0	3222	1385.2	1115.8	250.0	3223	1385.2	1115.8	295.0
3224	1385.2	1164.2	250.0	3225	1385.2	1164.2	295.0	3226	1385.2	1115.8	340.0
3227	1385.2	1164.2	340.0	3228	1629.2	1462.5	295.0	3229	1581.2	1462.5	295.0
3230	1533.2	1462.5	295.0	3231	1485.2	1462.5	295.0	3232	1437.2	1462.5	295.0
3233	1437.2	1462.5	250.0	3234	1485.2	1462.5	250.0	3235	1533.2	1462.5	250.0
3236	1581.2	1462.5	250.0	3237	1629.2	1462.5	250.0	3238	1629.2	1462.5	650.0
3239	1385.2	897.5	1060.0	3240	1385.2	-52.5	1060.0				

Nodo	**X**	**Y**	**Z**	**Note**	**Rig. TX**	**Rig. TY**	**Rig. TZ**	**Rig. RX**	**Rig. RY**	**Rig. RZ**
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
1	45.2	-57.5	0.0	v=111000						
4	101.2	-57.5	0.0	v=111000						
10	157.2	-57.5	0.0	v=111000						
25	337.2	-57.5	0.0	v=111000						
28	367.2	-57.5	0.0	v=111000						
34	397.2	-57.5	0.0	v=111000						
50	202.2	-57.5	0.0	v=111000						
54	247.2	-57.5	0.0	v=111000						
58	292.2	-57.5	0.0	v=111000						
70	665.2	-57.5	0.0	v=111000						
73	621.2	-57.5	0.0	v=111000						
79	577.2	-57.5	0.0	v=111000						
95	532.2	-57.5	0.0	v=111000						
99	487.2	-57.5	0.0	v=111000						
103	442.2	-57.5	0.0	v=111000						
116	719.6	-57.5	0.0	v=111000						
120	774.0	-57.5	0.0	v=111000						
124	828.4	-57.5	0.0	v=111000						
128	882.8	-57.5	0.0	v=111000						
132	937.2	-57.5	0.0	v=111000						
155	1117.2	-57.5	0.0	v=111000						
158	1170.8	-57.5	0.0	v=111000						
164	1224.4	-57.5	0.0	v=111000						
168	1278.0	-57.5	0.0	v=111000						
172	1331.6	-57.5	0.0	v=111000						
176	1385.2	-57.5	0.0	v=111000						
204	1431.2	-57.5	0.0	v=111000						
208	1477.2	-57.5	0.0	v=111000						
219	1657.2	-57.5	0.0	v=111000						
222	1687.2	-57.5	0.0	v=111000						
228	1717.2	-57.5	0.0	v=111000						
243	1897.2	-57.5	0.0	v=111000						
246	1949.2	-57.5	0.0	v=111000						
252	2001.2	-57.5	0.0	v=111000						
256	2053.2	-57.5	0.0	v=111000						
260	2105.2	-57.5	0.0	v=111000						
284	2105.2	-5.5	0.0	v=111000						
288	2105.2	46.5	0.0	v=111000						
292	2105.2	98.5	0.0	v=111000						
296	2105.2	150.5	0.0	v=111000						
315	2105.2	330.5	0.0	v=111000						
318	2105.2	360.5	0.0	v=111000						

324	2105.2	390.5	0.0	v=111000
339	2105.2	570.5	0.0	v=111000
342	2105.2	625.8	0.0	v=111000
348	2105.2	681.2	0.0	v=111000
352	2105.2	736.5	0.0	v=111000
356	2105.2	791.8	0.0	v=111000
360	2105.2	847.2	0.0	v=111000
364	2105.2	902.5	0.0	v=111000
396	2105.2	930.5	0.0	v=111000
412	2105.2	1227.8	0.0	v=111000
416	2105.2	1286.5	0.0	v=111000
420	2105.2	1345.2	0.0	v=111000
424	2105.2	1403.8	0.0	v=111000
428	1737.2	1462.5	0.0	v=111000
460	1737.2	1496.5	0.0	v=111000
464	1737.2	1530.5	0.0	v=111000
475	1737.2	1950.5	0.0	v=111000
478	1737.2	2002.5	0.0	v=111000
492	2052.6	2002.5	0.0	v=111000
496	2000.0	2002.5	0.0	v=111000
500	1947.5	2002.5	0.0	v=111000
504	1894.9	2002.5	0.0	v=111000
508	1842.3	2002.5	0.0	v=111000
512	1789.8	2002.5	0.0	v=111000
517	1842.3	1950.5	0.0	v=111000
547	1500.9	2002.5	0.0	v=111000
550	1441.8	2002.5	0.0	v=111000
556	1386.5	2002.5	0.0	v=111000
560	1331.2	2002.5	0.0	v=111000
564	1275.8	2002.5	0.0	v=111000
568	1220.5	2002.5	0.0	v=111000
572	1165.2	2002.5	0.0	v=111000
604	2051.7	1462.5	0.0	v=111000
608	1998.2	1462.5	0.0	v=111000
612	1944.7	1462.5	0.0	v=111000
616	1891.2	1462.5	0.0	v=111000
620	1842.3	1462.5	0.0	v=111000
624	1784.2	1462.5	0.0	v=111000
632	1677.2	1462.5	0.0	v=111000
670	1385.2	1462.5	0.0	v=111000
683	1842.3	1496.5	0.0	v=111000
689	1842.3	1530.5	0.0	v=111000
696	1385.2	1414.5	0.0	v=111000
700	1385.2	1366.5	0.0	v=111000
704	1385.2	1318.5	0.0	v=111000
708	1385.2	1270.5	0.0	v=111000
736	1385.2	1067.5	0.0	v=111000
740	1385.2	1001.7	0.0	v=111000
744	1385.2	952.1	0.0	v=111000
748	1385.2	902.5	0.0	v=111000
779	2049.8	902.5	0.0	v=111000
783	1994.4	902.5	0.0	v=111000
787	1939.0	902.5	0.0	v=111000
791	1883.6	902.5	0.0	v=111000
795	1828.3	902.5	0.0	v=111000
799	1772.9	902.5	0.0	v=111000
803	1717.5	902.5	0.0	v=111000
807	1662.1	902.5	0.0	v=111000
811	1606.7	902.5	0.0	v=111000
815	1551.3	902.5	0.0	v=111000
819	1496.0	902.5	0.0	v=111000
823	1440.6	902.5	0.0	v=111000
875	665.2	9.48e-02	0.0	v=111000
879	665.2	57.7	0.0	v=111000
883	665.2	115.3	0.0	v=111000
887	665.2	172.9	0.0	v=111000
891	665.2	230.5	0.0	v=111000
895	665.2	288.0	0.0	v=111000
899	665.2	345.6	0.0	v=111000
903	665.2	403.2	0.0	v=111000
907	665.2	460.8	0.0	v=111000
911	665.2	518.4	0.0	v=111000
915	665.2	576.0	0.0	v=111000
963	665.2	627.1	0.0	v=111000
967	665.2	678.2	0.0	v=111000

971	665.2	729.3	0.0	v=111000
975	665.2	780.3	0.0	v=111000
979	665.2	831.4	0.0	v=111000
983	665.2	902.5	0.0	v=111000
1011	45.2	-3.1	0.0	v=111000
1015	45.2	51.2	0.0	v=111000
1019	45.2	105.6	0.0	v=111000
1023	45.2	159.9	0.0	v=111000
1027	45.2	214.3	0.0	v=111000
1031	45.2	268.6	0.0	v=111000
1035	45.2	323.0	0.0	v=111000
1066	45.2	576.0	0.0	v=111000
1069	45.2	627.1	0.0	v=111000
1075	45.2	678.2	0.0	v=111000
1079	45.2	729.3	0.0	v=111000
1083	45.2	780.3	0.0	v=111000
1087	45.2	831.4	0.0	v=111000
1091	45.2	902.5	0.0	v=111000
1123	92.2	576.0	0.0	v=111000
1127	139.2	576.0	0.0	v=111000
1131	186.2	576.0	0.0	v=111000
1135	233.2	576.0	0.0	v=111000
1155	618.2	576.0	0.0	v=111000
1159	571.2	576.0	0.0	v=111000
1163	524.2	576.0	0.0	v=111000
1167	477.2	576.0	0.0	v=111000
1186	1385.2	752.5	0.0	v=111000
1187	1385.2	92.5	0.0	v=111000
1367	2105.2	1462.5	0.0	v=111000
2106	2105.2	1045.5	0.0	v=111000
2108	2105.2	988.0	0.0	v=111000
2753	2105.2	2002.5	0.0	v=111000
3097	1165.2	902.5	0.0	v=111000
3219	1385.2	1212.5	0.0	v=111000

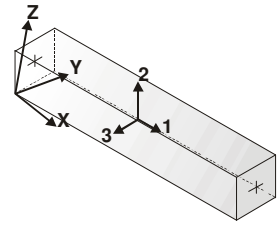
23 MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

23.1 TABELLA DATI TRAVI

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

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

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



orientamento elementi 2D non verticali

orientamento elementi 2D verticali

In particolare per ogni elemento viene indicato in tabella:

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

Svincolo I (J)	codici di svincolo per le azioni interne; i primi sei codici si riferiscono al nodo iniziale, i restanti sei al nodo finale (il valore 1 indica che la relativa azione interna non è attiva)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

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

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

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Asta	1186	1188	12	6					
2	Asta	1187	1189	12	6					

3	Asta	1188	1610	12	6		
4	Asta	1189	1611	12	6		
5	Asta	1610	3006	12	6		
6	Asta	1611	3007	12	6		
7	Asta	3097	1191	12	7		
8	Trave	1065	1791	78	2	000100	
9	Trave	1610	2037	78	5		000001
10	Trave	1611	1610	78	5		
11	Trave	2036	1611	78	5		
12	Trave	1190	682	78	2		
13	Trave	1191	774	78	6		
14	Trave	1803	1110	78	2		
15	Trave	1383	1286	78	2		
16	Trave	1434	1370	78	2		
17	Trave	1261	2045	78	2		000100
18	Trave	1828	1599	78	2		
19	Trave	1975	1598	78	2		
20	Trave	1791	1795	78	2		
21	Trave	1795	1799	78	2		
22	Trave	1799	1803	78	2		
23	Trave	3006	3239	78	5		
24	Trave	3007	3006	78	5		
25	Trave	3240	3007	78	5		
26	Trave	1188	2048	78	5		000001
27	Trave	1189	1188	78	5		
28	Trave	2779	2682	78	2		
29	Trave	2830	2766	78	2		
30	Trave	2657	2412	78	2		000100
31	Trave	2263	2995	78	2		
32	Trave	2337	2994	78	2		
33	Trave	682	681	78	2	000100	
34	Trave	681	690	78	2		
35	Trave	690	687	78	2		
36	Trave	687	684	78	2		
37	Trave	684	693	78	2		
38	Trave	693	666	78	2		
39	Trave	666	458	78	2		
40	Trave	458	662	78	2		
41	Trave	1370	1369	78	2	000100	
42	Trave	1369	1382	78	2		
43	Trave	1382	1379	78	2		
44	Trave	1379	1376	78	2		
45	Trave	1376	1373	78	2		
46	Trave	1373	1356	78	2		
47	Trave	1356	1341	78	2		
48	Trave	1341	1352	78	2		
49	Trave	2766	2765	78	2		
50	Trave	2765	2778	78	2		
51	Trave	2778	2775	78	2		
52	Trave	2775	2772	78	2		
53	Trave	2772	2769	78	2		
54	Trave	2769	2752	78	2		
55	Trave	2752	2737	78	2		
56	Trave	2737	2748	78	2		
57	Trave	2046	1189	78	5		
58	Trave	774	873	78	2		
59	Trave	873	871	78	2		
60	Trave	871	869	78	2		
61	Trave	869	867	78	2		
62	Trave	1826	1828	78	2		000100
63	Trave	1824	1826	78	2		
64	Trave	1822	1824	78	2		
65	Trave	1820	1822	78	2		
66	Trave	1789	1820	78	2		
67	Trave	1961	1891	78	2		
68	Trave	1959	1961	78	2		
69	Trave	1891	1973	78	2		
70	Trave	1973	1975	78	2		000100
71	Trave	1957	1959	78	2		
72	Trave	2045	1586	78	2	000100	
73	Trave	1586	1583	78	2		
74	Trave	1583	1580	78	2		
75	Trave	1580	1581	78	2		
76	Trave	1286	1284	78	2	000100	
77	Trave	1284	1282	78	2		

78	Trave	1282	1280	78	2		
79	Trave	1280	1278	78	2		
80	Trave	2261	2263	78	2		000100
81	Trave	2259	2261	78	2		
82	Trave	2179	2259	78	2		
83	Trave	2177	2179	78	2		
84	Trave	2397	2177	78	2		
85	Trave	2335	2337	78	2		000100
86	Trave	2310	2335	78	2		
87	Trave	2312	2310	78	2		
88	Trave	2307	2312	78	2		
89	Trave	2412	2982	78	2	000100	
90	Trave	2982	2979	78	2		
91	Trave	2979	2976	78	2		
92	Trave	2976	2977	78	2		
93	Trave	2682	2680	78	2		
94	Trave	2680	2678	78	2		
95	Trave	2678	2676	78	2		
96	Trave	2676	2674	78	2		
97	Trave	1063	1065	78	2		
98	Trave	1061	1063	78	2		
99	Trave	1110	1111	78	2		
100	Trave	1111	1113	78	2		
101	Trave	594	592	78	2		
102	Trave	592	591	78	2		
103	Trave	591	1257	78	2		
104	Trave	1257	1253	78	2		
105	Trave	1253	1249	78	2		
106	Trave	1249	490	78	2	000100	
107	Trave	490	544	78	2		
108	Trave	544	542	78	2		
109	Trave	1239	1237	78	2		
110	Trave	2257	2397	78	2		
111	Trave	2255	2257	78	2		
112	Trave	2253	2255	78	2		
113	Trave	2251	2253	78	2		
114	Trave	2486	2251	78	2		
115	Trave	2481	2486	78	2		
116	Trave	2219	2481	78	2		
117	Trave	1787	1789	78	2		
118	Trave	1785	1787	78	2		
119	Trave	1783	1785	78	2		
120	Trave	1781	1783	78	2		
121	Trave	1779	1781	78	2		
122	Trave	1777	1779	78	2		
123	Trave	1704	1777	78	2		
124	Trave	1113	1115	78	2		
125	Trave	1115	1117	78	2		
126	Trave	1117	1119	78	2		
127	Trave	1119	1121	78	2		
128	Trave	1059	1061	78	2		
129	Trave	1057	1059	78	2		
130	Trave	1055	1057	78	2		
131	Trave	1053	1055	78	2		
132	Trave	21	1053	78	2		
133	Trave	2461	2307	78	2		
134	Trave	2453	2461	78	2		
135	Trave	2445	2453	78	2		
136	Trave	2341	2445	78	2		
137	Trave	1237	1235	78	2		
138	Trave	1235	2777	78	2		
139	Trave	2674	2633	78	2		
140	Trave	2633	2644	78	2		
141	Trave	2644	2642	78	2		
142	Trave	1955	1957	78	2		
143	Trave	1953	1955	78	2		
144	Trave	1951	1953	78	2		
145	Trave	2642	2640	78	2		
146	Trave	2640	2638	78	2		
147	Trave	2638	2636	78	2		
148	Trave	2636	2634	78	2		
149	Trave	2634	1230	78	2		
150	Trave	2977	2973	78	2		
151	Trave	2973	2971	78	2		
152	Trave	2971	2965	78	2		

153	Trave	2965	2992	78	2		
154	Trave	1581	1577	78	2		
155	Trave	1577	1575	78	2		
156	Trave	1575	1569	78	2		
157	Trave	1569	1596	78	2		
158	Trave	867	865	78	2		
159	Trave	865	863	78	2		
160	Trave	863	861	78	2		
161	Trave	861	859	78	2		
162	Trave	662	660	78	2		
163	Trave	660	658	78	2		
164	Trave	658	656	78	2		
165	Trave	656	654	78	2		
166	Trave	654	652	78	2		
167	Trave	652	1380	78	2		
168	Trave	1352	1350	78	2		
169	Trave	1350	1348	78	2		
170	Trave	1348	1346	78	2		
171	Trave	1346	1344	78	2		
172	Trave	1344	1342	78	2		
173	Trave	1342	1214	78	2		
174	Trave	602	600	78	2		
175	Trave	600	598	78	2		
176	Trave	598	596	78	2		
177	Trave	596	594	78	2		
178	Trave	542	540	78	2		
179	Trave	540	538	78	2		
180	Trave	538	536	78	2		
181	Trave	536	534	78	2		
182	Trave	534	2767	78	2		000100
183	Trave	1278	1234	78	2		
184	Trave	1234	1245	78	2		
185	Trave	1245	1243	78	2		
186	Trave	1243	1241	78	2		
187	Trave	1241	1239	78	2		
188	Trave	2037	2045	78	5		
189	Trave	154	3103	78	3	000101	
190	Trave	3103	3105	78	3		
191	Trave	3105	3107	78	3		
192	Trave	3107	193	78	3		000101
193	Trave	218	3141	78	3	000101	
194	Trave	3141	3143	78	3		
195	Trave	3143	3145	78	3		
196	Trave	3145	239	78	3		
197	Trave	242	3152	78	3		
198	Trave	3152	3154	78	3		
199	Trave	3154	3156	78	3		
200	Trave	3156	275	78	3		000101
201	Trave	314	3175	78	3	000101	
202	Trave	3175	3177	78	3		
203	Trave	3177	335	78	3		
204	Trave	338	3205	78	3		
205	Trave	3205	3207	78	3		
206	Trave	3207	383	78	3		000101
207	Trave	2121	3211	78	3	000101	
208	Trave	3211	3213	78	3		
209	Trave	3213	450	78	3		000101
210	Trave	1641	1613	78	2	000101	000001
211	Trave	1604	1567	78	2	000101	
212	Trave	1564	1546	78	2		000101
213	Trave	1520	1497	78	2	000101	
214	Trave	1494	1476	78	2		000101
215	Trave	448	1428	78	2	000101	000001
216	Trave	2048	774	78	5		
217	Trave	202	2046	78	5	000101	
218	Trave	1429	2036	78	5	000101	
219	Trave	3239	2412	78	5		
220	Trave	2825	3240	78	5	000101	
221	Trave	239	240	78	3		
222	Trave	240	242	78	3		
223	Trave	1567	1565	78	2		
224	Trave	1565	1564	78	2		
225	Trave	1497	1495	78	2		
226	Trave	1495	1494	78	2		
227	Trave	335	336	78	3		

228	Trave	336	338	78	3

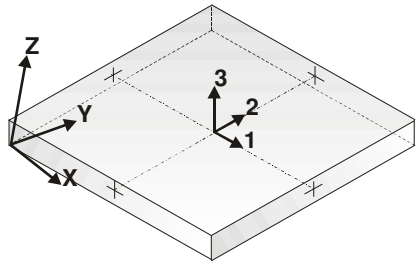
24 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

24.1 LEGENDA TABELLA DATI SHELL

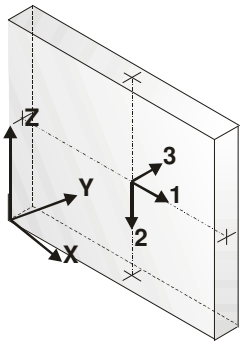
Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.

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

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



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

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

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

Test N°	Titolo
8	MENSOLE CON ELEMENTI PLATE E MATERIALE ORTOTROPO
10	PIASTRA CON ELEMENTI PLATE E MATERIALE ORTOTROPO
21	DRILLING
25	TENSIONI DI ELEMENTI PLATE
31	REALIZZAZIONE DI MESH PIANA SU GEOMETRIA CON PUNTI FISSI IMPORTATA DA FILE .DXF
32	REALIZZAZIONE DI MESH PIANA SU GEOMETRIA CON SEGMENTI E FORI

	INTERNI IMPORTATA DA FILE .DXF
33	REALIZZAZIONE DI MESH PIANE SU GEOMETRIE COSTRUITE IN PRO_SAP
34	ANALISI DI BUCKLING DI PIASTRA ISOTROPA
35	ANALISI DI BUCKLING DI UN CILINDRO COMPRESSO INCASTRATO ALLA BASE
36	ANALISI DI PARETI FORATE
37	BIMETALLIC STRIP (NAFEMS EXERCISE 6)
38	ANALISI ELASTICA DI PIASTRA CON INTAGLIO CIRCOLARE (FLAT BAR WITH EDGE NOTCHES-NAFEMS EXERCISE 9)
39	PLATEA NERVATA
45	VERIFICA A PUNZONAMENTO ALLO SLU DI PIASTRE IN C.A.
117	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
118	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI

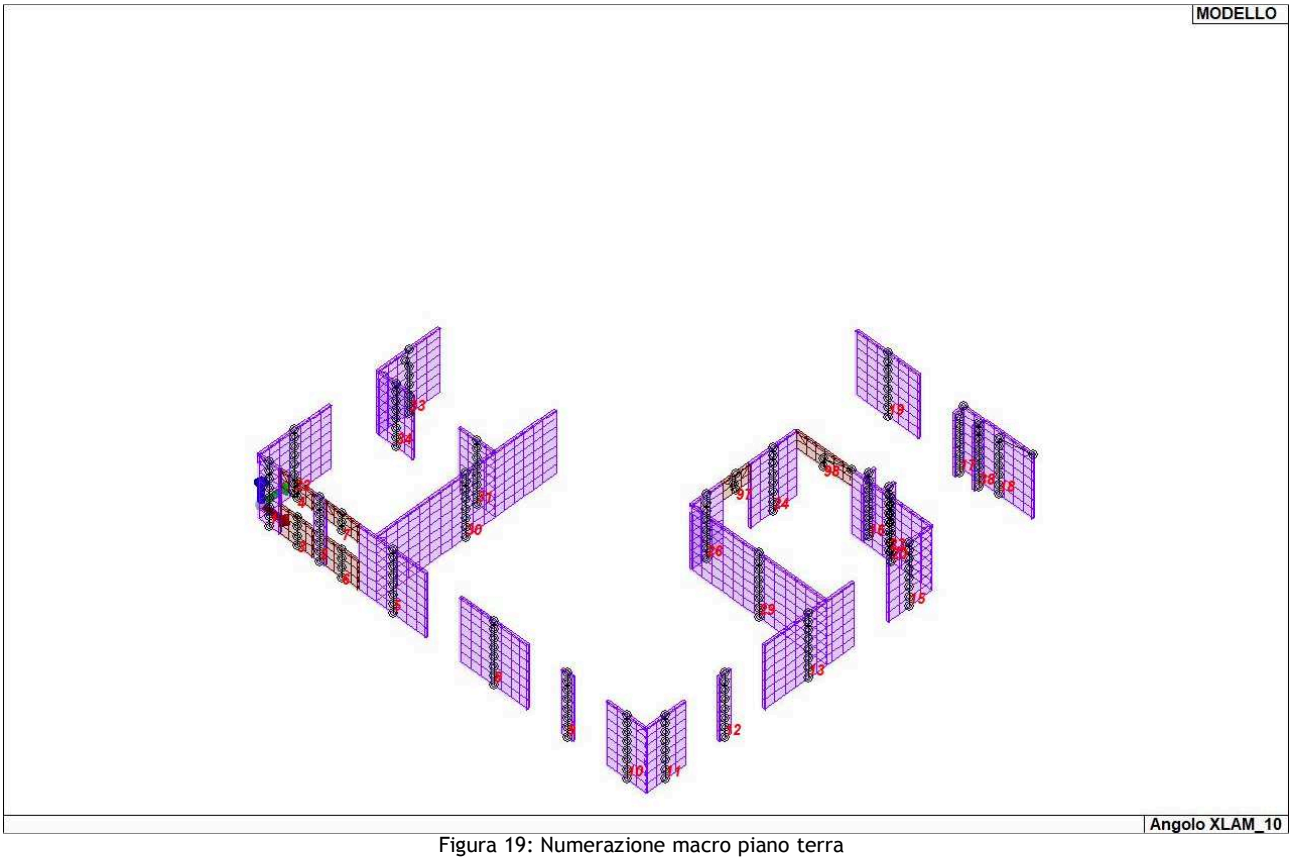


Figura 19: Numerazione macro piano terra

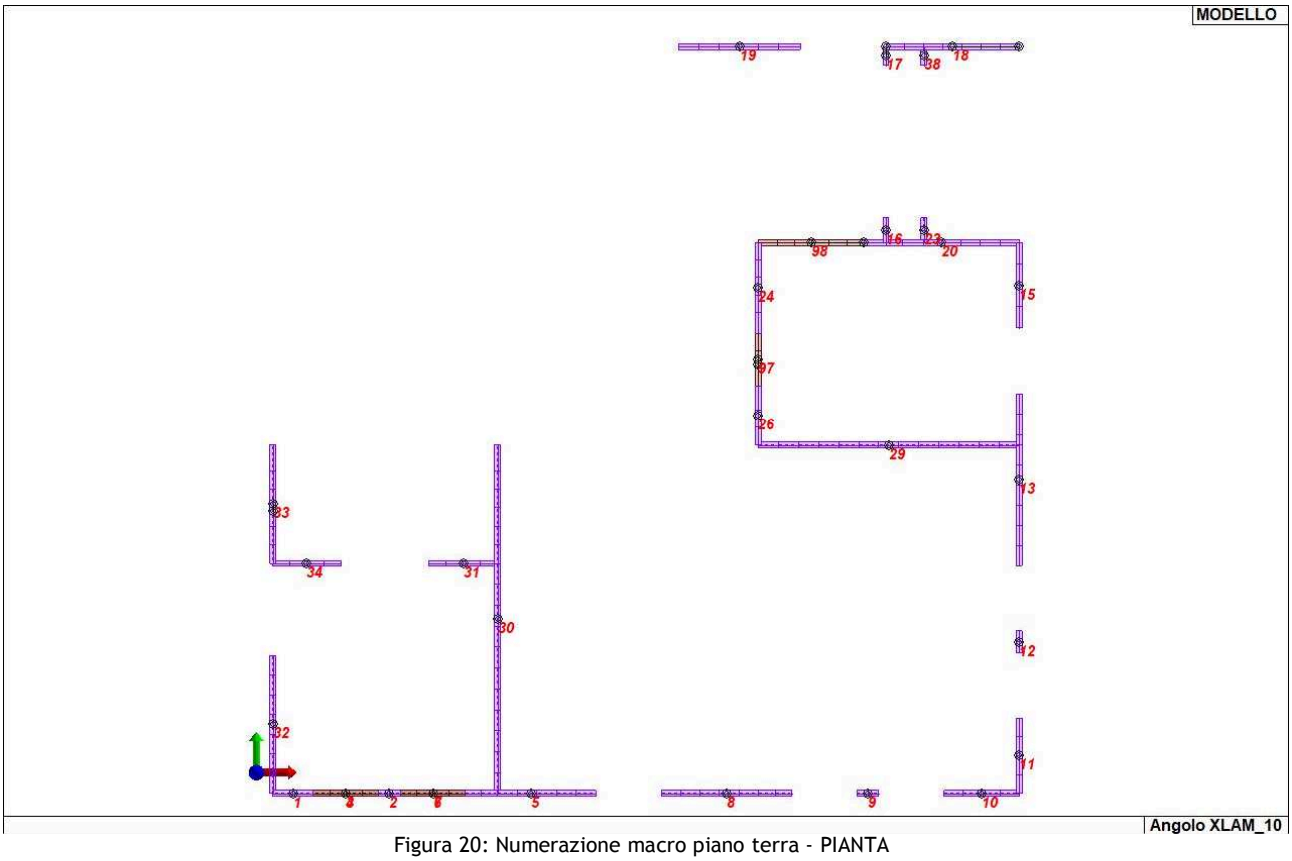


Figura 20: Numerazione macro piano terra - PIANTA

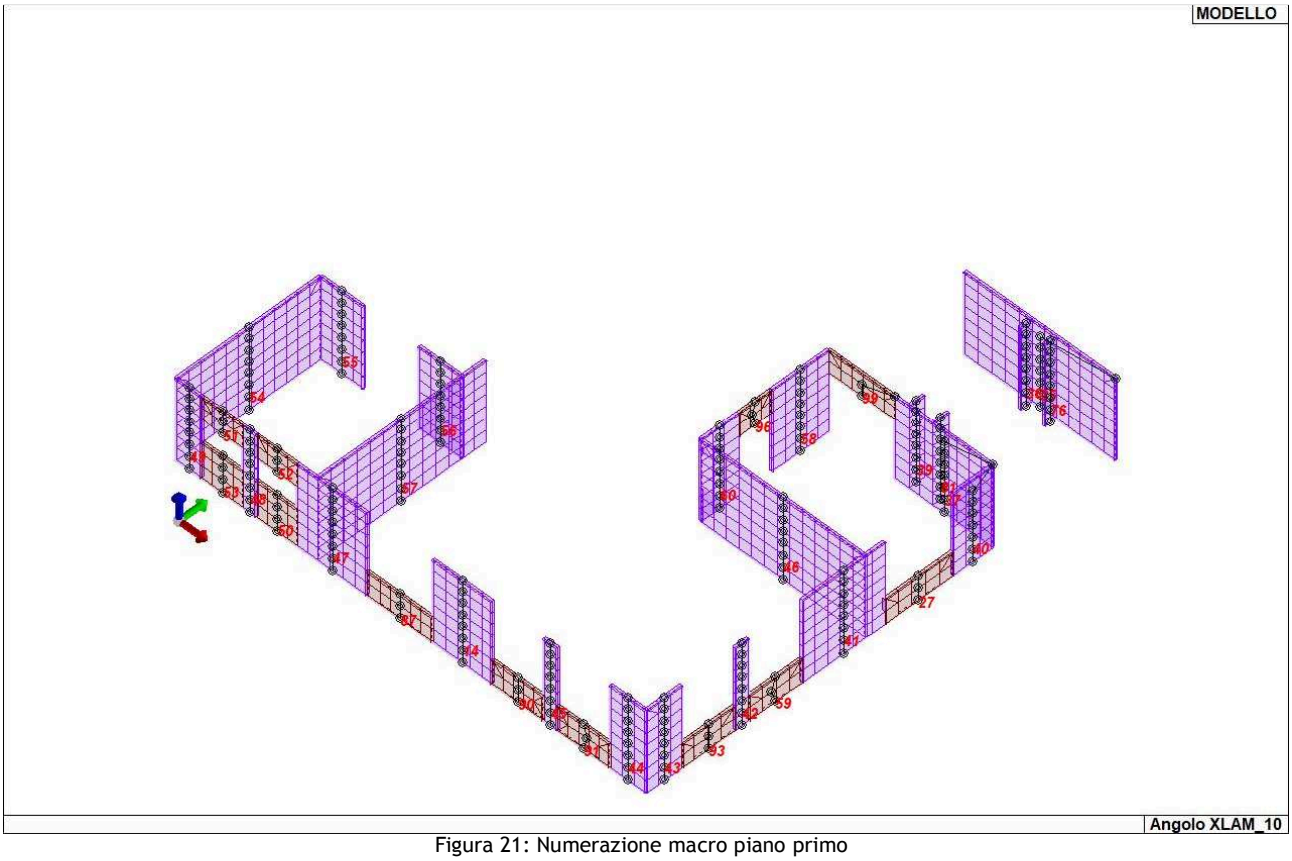


Figura 21: Numerazione macro piano primo

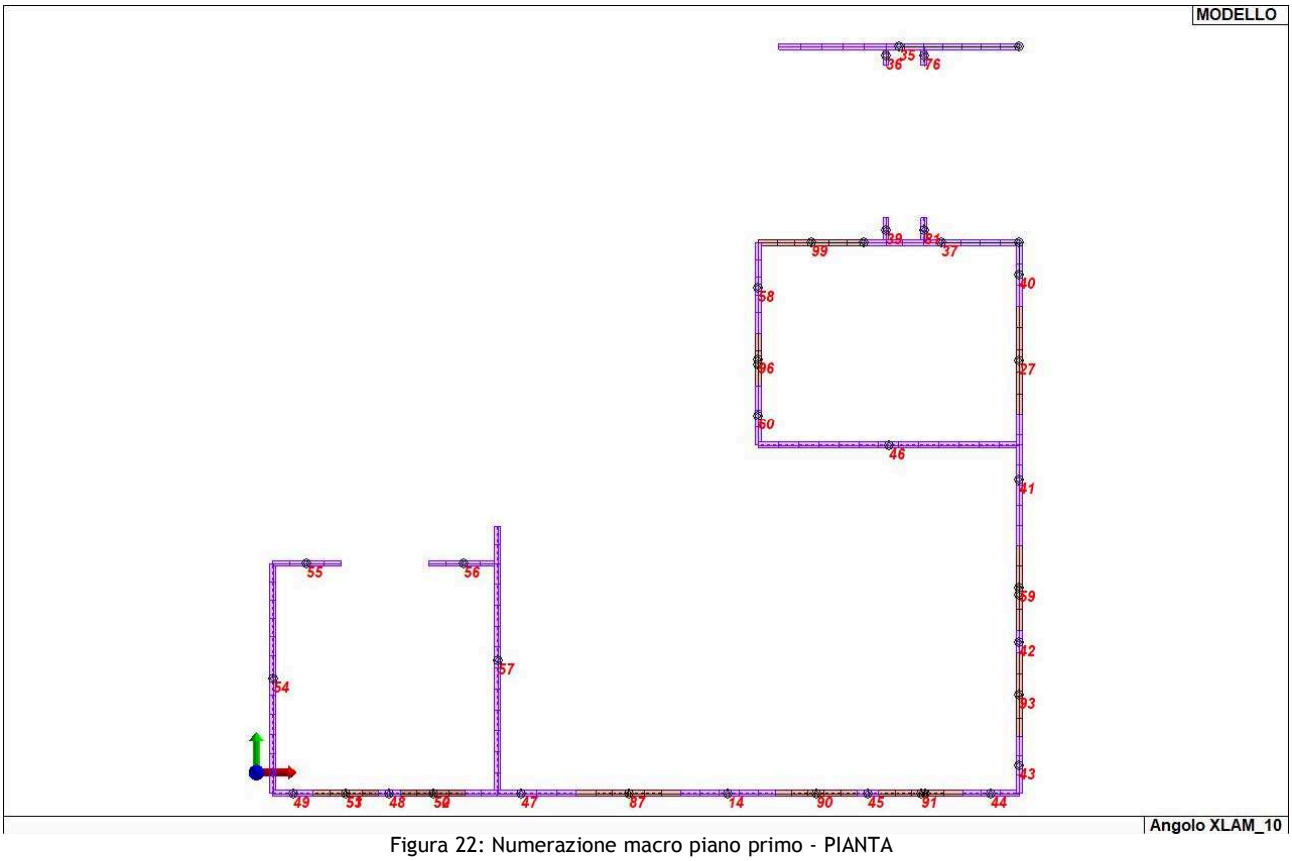


Figura 22: Numerazione macro piano primo - PIANTA

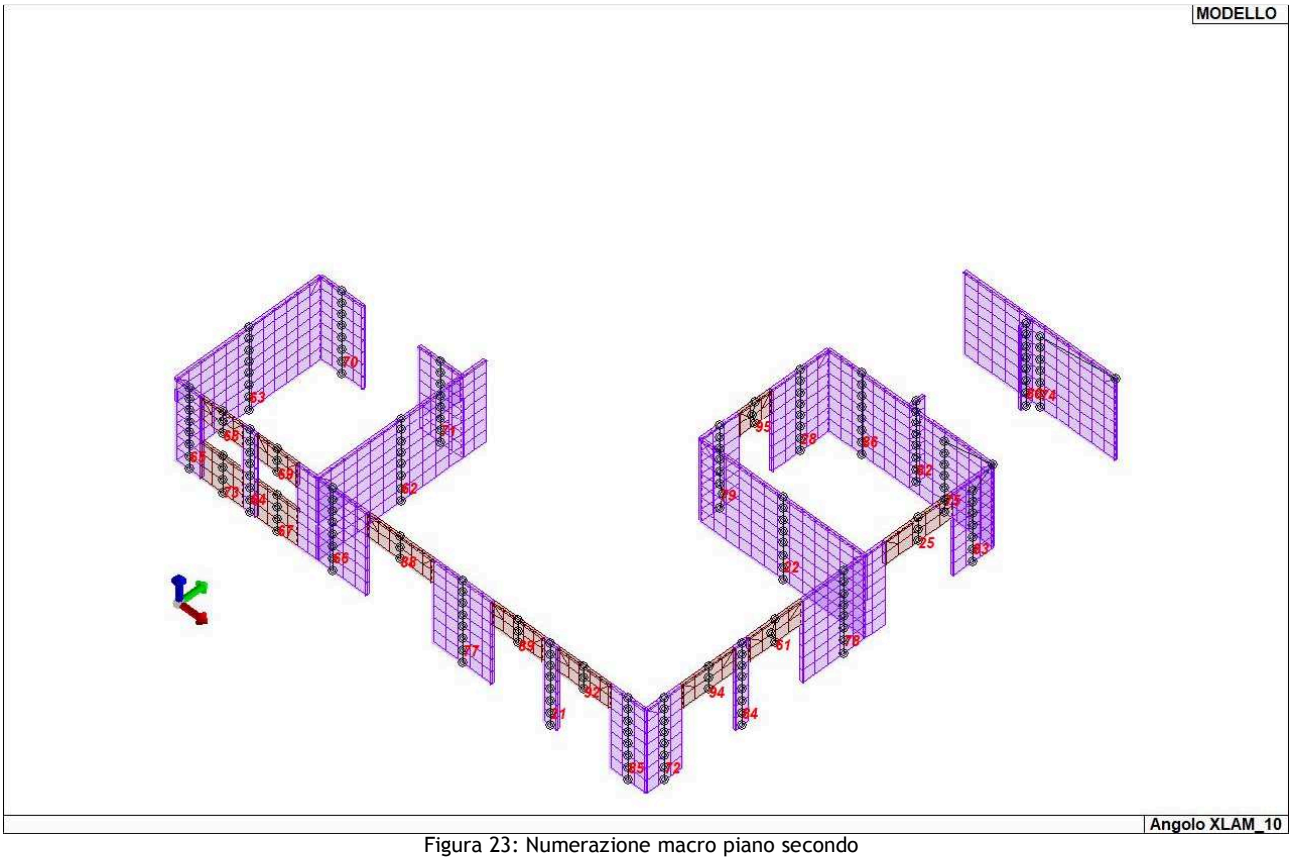


Figura 23: Numerazione macro piano secondo

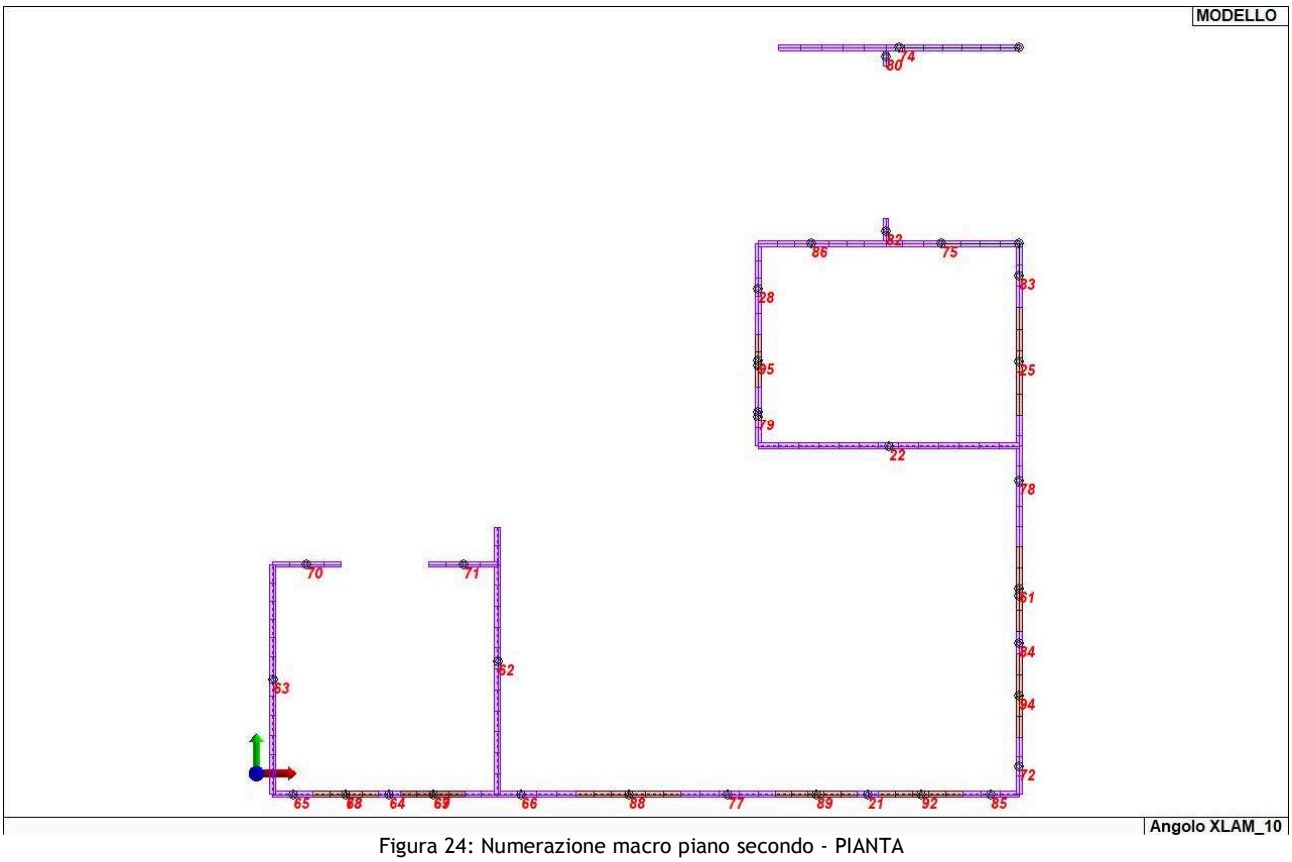


Figura 24: Numerazione macro piano secondo - PIANTA

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore cm	Wink V daN/cm3	Wink O daN/cm3
1	Setto	2	3	4	1	62	16.0		
2	Setto	5	6	3	2	62	16.0		
3	Setto	7	8	6	5	62	16.0		
4	Setto	3	9	10	4	62	16.0		
5	Setto	6	11	9	3	62	16.0		
6	Setto	8	12	11	6	62	16.0		
7	Setto	13	14	8	7	62	16.0		
8	Setto	15	16	14	13	62	16.0		
9	Setto	14	17	12	8	62	16.0		
10	Setto	16	18	17	14	62	16.0		
11	Setto	19	20	16	15	62	16.0		
12	Setto	21	22	20		62	16.0		
13	Setto	20	23	18	16	62	16.0		
14	Setto	22	24	23	20	62	16.0		
15	Setto	26	27	28	25	62	16.0		
16	Setto	29	30	27	26	62	16.0		
17	Setto	31	32	30	29	62	16.0		
18	Setto	27	33	34	28	62	16.0		
19	Setto	30	35	33	27	62	16.0		
20	Setto	32	36	35	30	62	16.0		
21	Setto	37	38	32	31	62	16.0		
22	Setto	39	40	38	37	62	16.0		
23	Setto	38	41	36	32	62	16.0		
24	Setto	40	42	41	38	62	16.0		
25	Setto	43	44	40	39	62	16.0		
26	Setto	45	46	44	43	62	16.0		
27	Setto	44	47	42	40	62	16.0		
28	Setto	46	48	47	44	62	16.0		
29	Setto	9	49	50	10	64	16.0		
30	Setto	11	51	49	9	64	16.0		
31	Setto	12	52	51	11	64	16.0		
32	Setto	49	53	54	50	64	16.0		
33	Setto	51	55	53	49	64	16.0		
34	Setto	52	56	55	51	64	16.0		
35	Setto	53	57	58	54	64	16.0		
36	Setto	55	59	57	53	64	16.0		

37	Setto	56	60	59	55	64	16.0
38	Setto	57	26	25	58	64	16.0
39	Setto	59	29	26	57	64	16.0
40	Setto	60	31	29	59	64	16.0
41	Setto	23	61	62	18	64	16.0
42	Setto	24	63	61		64	16.0
43	Setto	61	64	65	62	64	16.0
44	Setto	63	66	64	61	64	16.0
45	Setto	64	67	68	65	64	16.0
46	Setto	66	69	67	64	64	16.0
47	Setto	67	43	39	68	64	16.0
48	Setto	67	45	43		64	16.0
49	Setto	72	71	70	73	62	16.0
50	Setto	75	74	71	72	62	16.0
51	Setto	77	76	74	75	62	16.0
52	Setto	78	72	73	79	62	16.0
53	Setto	80	75	72	78	62	16.0
54	Setto	81	77	75	80	62	16.0
55	Setto	83	82	76	77	62	16.0
56	Setto	85	84	82	83	62	16.0
57	Setto	86	83	77	81	62	16.0
58	Setto	87	85	83	86	62	16.0
59	Setto	89	88	84	85	62	16.0
60	Setto	91	90	88	89	62	16.0
61	Setto	92	89	85	87	62	16.0
62	Setto	93	91	89	92	62	16.0
63	Setto	94	78	79	95	64	16.0
64	Setto	96	80	78	94	64	16.0
65	Setto	97	81	80	96	64	16.0
66	Setto	98	94	95	99	64	16.0
67	Setto	100	96	94	98	64	16.0
68	Setto	101	97	96	100	64	16.0
69	Setto	102	98	99	103	64	16.0
70	Setto	104	100	98	102	64	16.0
71	Setto	105	101	100	104	64	16.0
72	Setto	33	102	103	34	64	16.0
73	Setto	35	104	102	33	64	16.0
74	Setto	36	105	104	35	64	16.0
75	Setto	106	92	87	107	64	16.0
76	Setto	106	93	92		64	16.0
77	Setto	109	106	107	110	64	16.0
78	Setto	111	108	106	109	64	16.0
79	Setto	112	109	110	113	64	16.0
80	Setto	114	111	109	112	64	16.0
81	Setto	47	112	113	42	64	16.0
82	Setto	48	114	112		64	16.0
83	Setto	71	115	116	70	62	16.0
84	Setto	74	117	115	71	62	16.0
85	Setto	76	118	117	74	62	16.0
86	Setto	115	119	120	116	62	16.0
87	Setto	117	121	119	115	62	16.0
88	Setto	118	122	121	117	62	16.0
89	Setto	119	123	124	120	62	16.0
90	Setto	121	125	123	119	62	16.0
91	Setto	122	126	125	121	62	16.0
92	Setto	123	127	128	124	62	16.0
93	Setto	125	129	127	123	62	16.0
94	Setto	126	130	129	125	62	16.0
95	Setto	127	131	132	128	62	16.0
96	Setto	129	133	131	127	62	16.0
97	Setto	130	134	133	129	62	16.0
98	Setto	82	135	118	76	62	16.0
99	Setto	84	136	135	82	62	16.0
100	Setto	135	137	122	118	62	16.0
101	Setto	136	138	137	135	62	16.0
102	Setto	137	139	126	122	62	16.0
103	Setto	138	140	139	137	62	16.0
104	Setto	139	141	130	126	62	16.0
105	Setto	140	142	141	139	62	16.0
106	Setto	141	143	134	130	62	16.0
107	Setto	142	144	143	141	62	16.0
108	Setto	88	145	136	84	62	16.0
109	Setto	90	146	145	88	62	16.0
110	Setto	145	147	138	136	62	16.0
111	Setto	146	148	147	145	62	16.0

112	Setto	147	149	140	138	62	16.0
113	Setto	148	150	149	147	62	16.0
114	Setto	149	151	142	140	62	16.0
115	Setto	150	152	151	149	62	16.0
116	Setto	151	153	144	142	62	16.0
117	Setto	152	154	153	151	62	16.0
118	Setto	156	157	158	155	62	16.0
119	Setto	159	160	157	156	62	16.0
120	Setto	161	162	160	159	62	16.0
121	Setto	157	163	164	158	62	16.0
122	Setto	160	165	163	157	62	16.0
123	Setto	162	166	165	160	62	16.0
124	Setto	163	167	168	164	62	16.0
125	Setto	165	169	167	163	62	16.0
126	Setto	166	170	169	165	62	16.0
127	Setto	167	171	172	168	62	16.0
128	Setto	169	173	171	167	62	16.0
129	Setto	170	174	173	169	62	16.0
130	Setto	171	175	176	172	62	16.0
131	Setto	173	177	175	171	62	16.0
132	Setto	174	178	177	173	62	16.0
133	Setto	179	180	162	161	62	16.0
134	Setto	181	182	180	179	62	16.0
135	Setto	180	183	166	162	62	16.0
136	Setto	182	184	183	180	62	16.0
137	Setto	183	185	170	166	62	16.0
138	Setto	184	186	185	183	62	16.0
139	Setto	185	187	174	170	62	16.0
140	Setto	186	188	187	185	62	16.0
141	Setto	187	189	178	174	62	16.0
142	Setto	188	190	189	187	62	16.0
143	Setto	191	192	182	181	62	16.0
144	Setto	193	194	192	191	62	16.0
145	Setto	192	195	184	182	62	16.0
146	Setto	194	196	195	192	62	16.0
147	Setto	195	197	186	184	62	16.0
148	Setto	196	198	197	195	62	16.0
149	Setto	197	199	188	186	62	16.0
150	Setto	198	200	199	197	62	16.0
151	Setto	199	201	190	188	62	16.0
152	Setto	200	202	201	199	62	16.0
153	Setto	175	203	204	176	62	16.0
154	Setto	177	205	203	175	62	16.0
155	Setto	178	206	205	177	62	16.0
156	Setto	203	207	208	204	62	16.0
157	Setto	205	209	207	203	62	16.0
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160	Setto	190	212	211	189	62	16.0
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162	Setto	212	214	213	211	62	16.0
163	Setto	201	215	212	190	62	16.0
164	Setto	202	216	215	201	62	16.0
165	Setto	215	217	214	212	62	16.0
166	Setto	216	218	217	215	62	16.0
167	Setto	220	221	222	219	62	16.0
168	Setto	223	224	221	220	62	16.0
169	Setto	225	226	224	223	62	16.0
170	Setto	221	227	228	222	62	16.0
171	Setto	224	229	227	221	62	16.0
172	Setto	226	230	229	224	62	16.0
173	Setto	231	232	226	225	62	16.0
174	Setto	233	234	232	231	62	16.0
175	Setto	232	235	230	226	62	16.0
176	Setto	234	236	235	232	62	16.0
177	Setto	237	238	234	233	62	16.0
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574	Setto	742	738	755	757	62	16.0
575	Setto	757	755	756	758	62	16.0
576	Setto	746	742	757	759	62	16.0
577	Setto	759	757	758	760	62	16.0
578	Setto	750	746	759	761	62	16.0
579	Setto	761	759	760	762	62	16.0
580	Setto	3212	3214	3216	3215	64	16.0
581	Setto	3214	3201	3202	3216	64	16.0
582	Setto	2129	3203	2130		64	16.0
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584	Setto	758	756	767	769	62	16.0
585	Setto	769	767	768	770	62	16.0
586	Setto	760	758	769	771	62	16.0
587	Setto	771	769	770	772	62	16.0
588	Setto	762	760	771	773	62	16.0
589	Setto	774	771	772		62	16.0
590	Setto	776	717	718	777	62	16.0
591	Setto	777	718	725	2026	62	16.0
592	Setto	2026	725	726	2027	62	16.0
593	Setto	2496	2479	2480	2574	62	16.0
594	Setto	778	363	364	779	62	16.0
595	Setto	780	365	363	778	62	16.0
596	Setto	781	366	365	780	62	16.0
597	Setto	782	778	779	783	62	16.0
598	Setto	784	780	778	782	62	16.0
599	Setto	785	781	780	784	62	16.0
600	Setto	786	782	783	787	62	16.0
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602	Setto	789	785	784	788	62	16.0
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626	Setto	821	817	816	820	62	16.0
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632	Setto	750	825	824	749	62	16.0
633	Setto	826	379	366	781	62	16.0
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649	Setto	842	840	809	813	62	16.0
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653	Setto	846	844	817	821	62	16.0
654	Setto	847	845	844	846	62	16.0
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657	Setto	761	848	825	750	62	16.0
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659	Setto	850	393	380	827	62	16.0
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661	Setto	852	850	827	829	62	16.0
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675	Setto	866	864	841	843	62	16.0
676	Setto	867	865	864	866	62	16.0
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678	Setto	869	867	866	868	62	16.0
679	Setto	870	868	845	847	62	16.0
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701	Setto	890	894	896	892	62	16.0
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703	Setto	895	899	898	894	62	16.0
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706	Setto	899	903	902	898	62	16.0
707	Setto	898	902	904	900	62	16.0
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714	Setto	908	912	913	909	62	16.0
715	Setto	911	915	914	910	62	16.0
716	Setto	910	914	916	912	62	16.0
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718	Setto	76	877	918	82	62	16.0
719	Setto	82	918	919	84	62	16.0
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721	Setto	918	920	921	919	62	16.0
722	Setto	881	885	922	920	62	16.0
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724	Setto	885	889	924	922	62	16.0
725	Setto	922	924	925	923	62	16.0
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731	Setto	928	930	931	929	62	16.0
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733	Setto	930	932	933	931	62	16.0
734	Setto	905	909	934	932	62	16.0
735	Setto	932	934	935	933	62	16.0
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737	Setto	934	936	937	935	62	16.0
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746	Setto	923	925	946	944	62	16.0
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752	Setto	929	931	952	950	62	16.0
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754	Setto	931	933	954	952	62	16.0
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771	Setto	971	975	974	970	62	16.0
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774	Setto	975	979	978	974	62	16.0
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783	Setto	986	988	989	987	62	16.0
784	Setto	969	973	990	988	62	16.0
785	Setto	988	990	991	989	62	16.0
786	Setto	973	977	992	990	62	16.0

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788	Setto	977	981	994	992	62	16.0
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792	Setto	939	987	998	960	62	16.0
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796	Setto	989	991	1002	1000	62	16.0
797	Setto	1000	1002	1003	1001	62	16.0
798	Setto	991	993	1004	1002	62	16.0
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803	Setto	1185	1183	1182	1184	62	16.0
804	Setto	1	1011	1010	2	62	16.0
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806	Setto	5	1012	1013	7	62	16.0
807	Setto	1011	1015	1014	1010	62	16.0
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809	Setto	1012	1016	1017	1013	62	16.0
810	Setto	1015	1019	1018	1014	62	16.0
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813	Setto	1019	1023	1022	1018	62	16.0
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816	Setto	1023	1027	1026	1022	62	16.0
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828	Setto	1038	1040	1041	1039	62	16.0
829	Setto	1017	1021	1042	1040	62	16.0
830	Setto	1040	1042	1043	1041	62	16.0
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846	Setto	1056	1058	1059	1057	62	16.0
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877	Setto	1081	1085	1102	1100	62	16.0
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893	Setto	1105	1107	1120	1118	62	16.0
894	Setto	1118	1120	1121	1119	62	16.0
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896	Setto	1070	1124	1122	1067	62	16.0
897	Setto	1072	1125	1124	1070	62	16.0
898	Setto	1122	1126	1127	1123	62	16.0
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934	Setto	1169	1165	1164	1168	62	16.0
935	Setto	1170	938	917	1157	62	16.0
936	Setto	1171	939	938	1170	62	16.0

937	Setto	1172	1170	1157	1161	62	16.0
938	Setto	1173	1171	1170	1172	62	16.0
939	Setto	1174	1172	1161	1165	62	16.0
940	Setto	1175	1173	1172	1174	62	16.0
941	Setto	1176	1174	1165	1169	62	16.0
942	Setto	1177	1175	1174	1176	62	16.0
943	Setto	1178	960	939	1171	62	16.0
944	Setto	1178	961	960		62	16.0
945	Setto	1180	1178	1171	1173	62	16.0
946	Setto	1181	1179	1178	1180	62	16.0
947	Setto	1182	1180	1173	1175	62	16.0
948	Setto	1183	1181	1180	1182	62	16.0
949	Setto	1184	1182	1175	1177	62	16.0
950	Setto	1006	1008	1009	1007	62	16.0
951	Setto	1193	2768	2767	534	62	16.0
952	Setto	1195	2770	2768	1193	62	16.0
953	Setto	1197	2771	2770	1195	62	16.0
954	Setto	1198	1193	534	536	62	16.0
955	Setto	1199	1195	1193	1198	62	16.0
956	Setto	1200	1197	1195	1199	62	16.0
957	Setto	1201	1198	536	538	62	16.0
958	Setto	1202	1199	1198	1201	62	16.0
959	Setto	1203	1200	1199	1202	62	16.0
960	Setto	1204	1201	538	540	62	16.0
961	Setto	1205	1202	1201	1204	62	16.0
962	Setto	1206	1203	1202	1205	62	16.0
963	Setto	1207	1204	540	542	62	16.0
964	Setto	1208	1205	1204	1207	62	16.0
965	Setto	1209	1206	1205	1208	62	16.0
966	Setto	1210	1207	542	544	62	16.0
967	Setto	1211	1208	1207	1210	62	16.0
968	Setto	1212	1209	1208	1211	62	16.0
969	Setto	1192	1210	544	490	62	16.0
970	Setto	1194	1211	1210	1192	62	16.0
971	Setto	1196	1212	1211	1194	62	16.0
972	Setto	1217	2773	2771	1197	62	16.0
973	Setto	1219	2774	2773	1217	62	16.0
974	Setto	1220	1217	1197	1200	62	16.0
975	Setto	1221	1219	1217	1220	62	16.0
976	Setto	1222	1220	1200	1203	62	16.0
977	Setto	1223	1221	1220	1222	62	16.0
978	Setto	1224	1222	1203	1206	62	16.0
979	Setto	1225	1223	1222	1224	62	16.0
980	Setto	1226	1224	1206	1209	62	16.0
981	Setto	1227	1225	1224	1226	62	16.0
982	Setto	1228	1226	1209	1212	62	16.0
983	Setto	1229	1227	1226	1228	62	16.0
984	Setto	1216	1228	1212	1196	62	16.0
985	Setto	1218	1229	1228	1216	62	16.0
986	Setto	1233	2776	2774	1219	62	16.0
987	Setto	1233	2777	2776		62	16.0
988	Setto	1236	1233	1219	1221	62	16.0
989	Setto	1237	1235	1233	1236	62	16.0
990	Setto	1238	1236	1221	1223	62	16.0
991	Setto	1239	1237	1236	1238	62	16.0
992	Setto	1240	1238	1223	1225	62	16.0
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994	Setto	1242	1240	1225	1227	62	16.0
995	Setto	1243	1241	1240	1242	62	16.0
996	Setto	1244	1242	1227	1229	62	16.0
997	Setto	1245	1243	1242	1244	62	16.0
998	Setto	1232	1244	1229	1218	62	16.0
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1000	Setto	1248	1192	490	1249	62	16.0
1001	Setto	1250	1194	1192	1248	62	16.0
1002	Setto	1251	1196	1194	1250	62	16.0
1003	Setto	1252	1248	1249	1253	62	16.0
1004	Setto	1254	1250	1248	1252	62	16.0
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1009	Setto	1260	1256	1257	591	62	16.0
1010	Setto	1262	1258	1256	1260	62	16.0
1011	Setto	1263	1259	1258	1262	62	16.0

1012	Setto	1264	1260	591	592	62	16.0
1013	Setto	1265	1262	1260	1264	62	16.0
1014	Setto	1266	1263	1262	1265	62	16.0
1015	Setto	1267	1216	1196	1251	62	16.0
1016	Setto	1268	1218	1216	1267	62	16.0
1017	Setto	1269	1267	1251	1255	62	16.0
1018	Setto	1270	1268	1267	1269	62	16.0
1019	Setto	1271	1269	1255	1259	62	16.0
1020	Setto	1272	1270	1269	1271	62	16.0
1021	Setto	1273	1271	1259	1263	62	16.0
1022	Setto	1274	1272	1271	1273	62	16.0
1023	Setto	1275	1273	1263	1266	62	16.0
1024	Setto	1276	1274	1273	1275	62	16.0
1025	Setto	1277	1232	1218	1268	62	16.0
1026	Setto	1278	1234	1232	1277	62	16.0
1027	Setto	1279	1277	1268	1270	62	16.0
1028	Setto	1280	1278	1277	1279	62	16.0
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1034	Setto	1286	1284	1283	1285	62	16.0
1035	Setto	489	490	1192	1287	62	16.0
1036	Setto	1287	1192	1194	1288	62	16.0
1037	Setto	1288	1194	1196	1289	62	16.0
1038	Setto	1289	1196	1216	1290	62	16.0
1039	Setto	1290	1216	1218	1291	62	16.0
1040	Setto	1291	1218	1232	1292	62	16.0
1041	Setto	1292	1232	1234	1293	62	16.0
1042	Setto	1295	532	1380	652	62	16.0
1043	Setto	1297	546	532	1295	62	16.0
1044	Setto	1299	628	546	1297	62	16.0
1045	Setto	1300	1295	652	654	62	16.0
1046	Setto	1301	1297	1295	1300	62	16.0
1047	Setto	1302	1299	1297	1301	62	16.0
1048	Setto	1303	1300	654	656	62	16.0
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1050	Setto	1305	1302	1301	1304	62	16.0
1051	Setto	1306	1303	656	658	62	16.0
1052	Setto	1307	1304	1303	1306	62	16.0
1053	Setto	1308	1305	1304	1307	62	16.0
1054	Setto	1309	1306	658	660	62	16.0
1055	Setto	1310	1307	1306	1309	62	16.0
1056	Setto	1311	1308	1307	1310	62	16.0
1057	Setto	1312	1309	660	662	62	16.0
1058	Setto	1313	1310	1309	1312	62	16.0
1059	Setto	1314	1311	1310	1313	62	16.0
1060	Setto	1294	1312	662	458	62	16.0
1061	Setto	1296	1313	1312	1294	62	16.0
1062	Setto	1298	1314	1313	1296	62	16.0
1063	Setto	1318	1294	458	666	62	16.0
1064	Setto	1319	1296	1294	1318	62	16.0
1065	Setto	1320	1298	1296	1319	62	16.0
1066	Setto	1322	630	628	1299	62	16.0
1067	Setto	1324	648	630	1322	62	16.0
1068	Setto	1325	1322	1299	1302	62	16.0
1069	Setto	1326	1324	1322	1325	62	16.0
1070	Setto	1327	1325	1302	1305	62	16.0
1071	Setto	1328	1326	1325	1327	62	16.0
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1079	Setto	1323	1334	1333	1321	62	16.0
1080	Setto	1337	1321	1298	1320	62	16.0
1081	Setto	1338	1323	1321	1337	62	16.0
1082	Setto	1340	664	648	1324	62	16.0
1083	Setto	1340	1214	664		62	16.0
1084	Setto	1343	1340	1324	1326	62	16.0
1085	Setto	1344	1342	1340	1343	62	16.0
1086	Setto	1345	1343	1326	1328	62	16.0

1087	Setto	1346	1344	1343	1345	62	16.0
1088	Setto	1347	1345	1328	1330	62	16.0
1089	Setto	1348	1346	1345	1347	62	16.0
1090	Setto	1349	1347	1330	1332	62	16.0
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1092	Setto	1351	1349	1332	1334	62	16.0
1093	Setto	1352	1350	1349	1351	62	16.0
1094	Setto	1339	1351	1334	1323	62	16.0
1095	Setto	1341	1352	1351	1339	62	16.0
1096	Setto	1355	1339	1323	1338	62	16.0
1097	Setto	1356	1341	1339	1355	62	16.0
1098	Setto	621	685	686	622	62	16.0
1099	Setto	683	689	688	679	62	16.0
1100	Setto	679	688	691	685	62	16.0
1101	Setto	685	691	692	686	62	16.0
1102	Setto	622	686	694	643	62	16.0
1103	Setto	643	694	1357	644	62	16.0
1104	Setto	686	692	1359	694	62	16.0
1105	Setto	694	1359	1361	1357	62	16.0
1106	Setto	644	1357	1363	659	62	16.0
1107	Setto	659	1363	1365	660	62	16.0
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1109	Setto	1363	515	516	1365	62	16.0
1110	Setto	517	508	507	518	62	16.0
1111	Setto	518	507	509	545	62	16.0
1112	Setto	545	509	510	627	62	16.0
1113	Setto	627	510	527	629	62	16.0
1114	Setto	629	527	528	647	62	16.0
1115	Setto	472	474	1384	1385	62	16.0
1116	Setto	1385	1384	1386	1387	62	16.0
1117	Setto	1387	1386	1388	1389	62	16.0
1118	Setto	458	472	1385	1294	62	16.0
1119	Setto	1294	1385	1387	1296	62	16.0
1120	Setto	1296	1387	1389	1298	62	16.0
1121	Setto	1389	1388	1390	1391	62	16.0
1122	Setto	1391	1390	1392	1393	62	16.0
1123	Setto	1298	1389	1391	1321	62	16.0
1124	Setto	1321	1391	1393	1323	62	16.0
1125	Setto	1393	1392	1394	1395	62	16.0
1126	Setto	1395	1394	1396	1397	62	16.0
1127	Setto	1323	1393	1395	1339	62	16.0
1128	Setto	1339	1395	1397	1341	62	16.0
1129	Setto	456	1380	532	1398	62	16.0
1130	Setto	1398	532	546	1399	62	16.0
1131	Setto	1399	546	628	1400	62	16.0
1132	Setto	454	456	1398	1401	62	16.0
1133	Setto	1401	1398	1399	1402	62	16.0
1134	Setto	1402	1399	1400	1403	62	16.0
1135	Setto	452	454	1401	1404	62	16.0
1136	Setto	1404	1401	1402	1405	62	16.0
1137	Setto	1405	1402	1403	1406	62	16.0
1138	Setto	405	2105	202	200	62	16.0
1139	Setto	406	1407	2105	405	62	16.0
1140	Setto	408	1408	1407	406	62	16.0
1141	Setto	1587	1410	196	194	62	16.0
1142	Setto	1588	1411	1410	1587	62	16.0
1143	Setto	1589	1412	1411	1588	62	16.0
1144	Setto	1400	628	630	1413	62	16.0
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1149	Setto	1417	1415	1416	1418	62	16.0
1150	Setto	410	1409	1408	408	62	16.0
1151	Setto	432	1419	1409	410	62	16.0
1152	Setto	1600	1421	1412	1589	62	16.0
1153	Setto	1601	1422	1421	1600	62	16.0
1154	Setto	1414	648	664	1423	62	16.0
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1159	Setto	1427	1425	1426	1428	62	16.0
1160	Setto	434	1420	1419	432	62	16.0
1161	Setto	446	1429	1420	434	62	16.0

1162	Setto	1612	1431	1422	1601	62	16.0
1163	Setto	1613	1433	1431	1612	62	16.0
1164	Setto	392	394	1435	1436	62	16.0
1165	Setto	1436	1435	1437	1438	62	16.0
1166	Setto	1438	1437	1439	1440	62	16.0
1167	Setto	390	392	1436	1441	62	16.0
1168	Setto	1441	1436	1438	1442	62	16.0
1169	Setto	1442	1438	1440	1443	62	16.0
1170	Setto	388	390	1441	1444	62	16.0
1171	Setto	1444	1441	1442	1445	62	16.0
1172	Setto	1445	1442	1443	1446	62	16.0
1173	Setto	386	388	1444	1447	62	16.0
1174	Setto	1447	1444	1445	1448	62	16.0
1175	Setto	1448	1445	1446	1449	62	16.0
1176	Setto	384	386	1447	1450	62	16.0
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1191	Setto	1458	1456	1466	1469	62	16.0
1192	Setto	1469	1466	1468	1470	62	16.0
1193	Setto	1460	1458	1469	1471	62	16.0
1194	Setto	1471	1469	1470	1472	62	16.0
1195	Setto	1462	1460	1471	1473	62	16.0
1196	Setto	1473	1471	1472	1474	62	16.0
1197	Setto	1464	1462	1473	1475	62	16.0
1198	Setto	1475	1473	1474	1476	62	16.0
1199	Setto	336	338	1477	1478	62	16.0
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1219	Setto	282	308	1504	1507	62	16.0
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1233	Setto	1525	1522	1523		62	16.0
1234	Setto	1526	1507	282	280	62	16.0
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1236	Setto	1528	1509	1508	1527	62	16.0

1237	Setto	1529	1526	280	278	62	16.0
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1240	Setto	1532	1529	278	276	62	16.0
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1257	Setto	1552	1551	1549	1550	62	16.0
1258	Setto	1553	1548	240	239	62	16.0
1259	Setto	1554	1550	1548	1553	62	16.0
1260	Setto	1555	1552	1550	1554	62	16.0
1261	Setto	1557	1556	1551	1552	62	16.0
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1266	Setto	1565	1564	1562	1563	62	16.0
1267	Setto	1566	1563	1559	1561	62	16.0
1268	Setto	1567	1565	1563	1566	62	16.0
1269	Setto	1574	1606	1597	1572	62	16.0
1270	Setto	1572	1597	2086	2088	62	16.0
1271	Setto	2103	2101	2075	2078	62	16.0
1272	Setto	1582	1572	2088	2090	62	16.0
1273	Setto	1591	1574	1572	1582	62	16.0
1274	Setto	1593	1582	2090	2092	62	16.0
1275	Setto	1603	1595	2094	2096	62	16.0
1276	Setto	1569	1596	1595	1603	62	16.0
1277	Setto	1594	1591	1582	1593	62	16.0
1278	Setto	1570	1603	2096	2098	62	16.0
1279	Setto	1575	1569	1603	1570	62	16.0
1280	Setto	1576	1570	2098	2100	62	16.0
1281	Setto	1577	1575	1570	1576	62	16.0
1282	Setto	1578	1576	2100	2102	62	16.0
1283	Setto	1581	1577	1576	1578	62	16.0
1284	Setto	2104	2102	2101	2103	62	16.0
1285	Setto	1605	2103	2078	2081	62	16.0
1286	Setto	1595	1593	2092	2094	62	16.0
1287	Setto	1607	2104	2103	1605	62	16.0
1288	Setto	1596	1594	1593	1595	62	16.0
1289	Setto	1608	1605	2081	2084	62	16.0
1290	Setto	1579	1578	2102	2104	62	16.0
1291	Setto	1580	1581	1578	1579	62	16.0
1292	Setto	1584	1579	2104	1607	62	16.0
1293	Setto	1583	1580	1579	1584	62	16.0
1294	Setto	1609	1607	1605	1608	62	16.0
1295	Setto	2032	1608	2084	2021	62	16.0
1296	Setto	2033	1609	1608	2032	62	16.0
1297	Setto	1597	1465	1455	2086	62	16.0
1298	Setto	1597	1467	1465		62	16.0
1299	Setto	2102	2100	2099	2101	62	16.0
1300	Setto	1585	1584	1607	1609	62	16.0
1301	Setto	1586	1583	1584	1585	62	16.0
1302	Setto	2044	1585	1609	2033	62	16.0
1303	Setto	2045	1586	1585		62	16.0
1304	Setto	1615	1614	152	150	62	16.0
1305	Setto	1617	1616	1614	1615	62	16.0
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1307	Setto	1620	1615	150	148	62	16.0
1308	Setto	1621	1617	1615	1620	62	16.0
1309	Setto	1622	1619	1617	1621	62	16.0
1310	Setto	1623	1620	148	146	62	16.0
1311	Setto	1624	1621	1620	1623	62	16.0

1312	Setto	1625	1622	1621	1624	62	16.0
1313	Setto	1626	1623	146	90	62	16.0
1314	Setto	1627	1624	1623	1626	62	16.0
1315	Setto	1628	1625	1624	1627	62	16.0
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1332	Setto	1649	1626	90	91	62	16.0
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1334	Setto	1651	1628	1627	1650	62	16.0
1335	Setto	1652	1649	91	93	62	16.0
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1362	Setto	1689	1688	1686	1687	62	16.0
1363	Setto	1690	1685	22	21	62	16.0
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1365	Setto	1692	1689	1687	1691	62	16.0
1366	Setto	1694	1693	1688	1689	62	16.0
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1370	Setto	1700	1699	1695	1696	62	16.0
1371	Setto	1702	1701	1699	1700	62	16.0
1372	Setto	1703	1700	1696	1698	62	16.0
1373	Setto	1704	1702	1700	1703	62	16.0
1374	Setto	1705	1652	93	108	64	16.0
1375	Setto	1706	1653	1652	1705	64	16.0
1376	Setto	1707	1654	1653	1706	64	16.0
1377	Setto	1708	1705	108	111	64	16.0
1378	Setto	1709	1706	1705	1708	64	16.0
1379	Setto	1710	1707	1706	1709	64	16.0
1380	Setto	1711	1708	111	114	64	16.0
1381	Setto	1712	1709	1708	1711	64	16.0
1382	Setto	1713	1710	1709	1712	64	16.0
1383	Setto	1663	1711	114	48	64	16.0
1384	Setto	1665	1712	1711	1663	64	16.0
1385	Setto	1667	1713	1712	1665	64	16.0
1386	Setto	1714	1682	1677	1736	64	16.0

1387	Setto	1714	1683	1682		64	16.0
1388	Setto	1718	1714	1736	1738	64	16.0
1389	Setto	1735	1716	1714	1718	64	16.0
1390	Setto	1737	1718	1738	1740	64	16.0
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1407	Setto	1731	1728	1727	1730	64	16.0
1408	Setto	1732	1729	66	63	64	16.0
1409	Setto	1733	1730	1729	1732	64	16.0
1410	Setto	1734	1731	1730	1733	64	16.0
1411	Setto	1684	1732	63	24	64	16.0
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1413	Setto	1688	1734	1733	1686	64	16.0
1414	Setto	21	1053	1741	1690	62	16.0
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1416	Setto	1691	1742	1743	1692	62	16.0
1417	Setto	1053	1055	1744	1741	62	16.0
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1437	Setto	1743	1746	1764	1762	62	16.0
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1470	Setto	1794	1798	1800	1796	62	16.0
1471	Setto	1796	1800	1801	1797	62	16.0
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1473	Setto	1798	1802	1804	1800	62	16.0
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1489	Setto	1788	1819	1820	1789	62	16.0
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1497	Setto	1825	1827	1828		62	16.0
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1499	Setto	1807	1830	1829	1806	62	16.0
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1533	Setto	1864	1867	1866	1863	62	16.0
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1536	Setto	1867	1870	1869	1866	62	16.0

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1565	Setto	1899	1902	1903	1900	62	16.0
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1569	Setto	949	951	1907	1904	62	16.0
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1571	Setto	1905	1908	1909	1906	62	16.0
1572	Setto	951	953	1910	1907	62	16.0
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1574	Setto	1908	1911	1912	1909	62	16.0
1575	Setto	953	955	1913	1910	62	16.0
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1577	Setto	1911	1914	1915	1912	62	16.0
1578	Setto	955	957	1916	1913	62	16.0
1579	Setto	1913	1916	1917	1914	62	16.0
1580	Setto	1914	1917	1918	1915	62	16.0
1581	Setto	957	959	1919	1916	62	16.0
1582	Setto	1916	1919	1920	1917	62	16.0
1583	Setto	1917	1920	1921	1918	62	16.0
1584	Setto	959	961	1869	1919	62	16.0
1585	Setto	1919	1869	1870	1920	62	16.0
1586	Setto	1920	1870	1871	1921	62	16.0
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1598	Setto	1930	1932	1933	1931	62	16.0
1599	Setto	1909	1912	1934	1932	62	16.0
1600	Setto	1932	1934	1935	1933	62	16.0
1601	Setto	1912	1915	1936	1934	62	16.0
1602	Setto	1934	1936	1937	1935	62	16.0
1603	Setto	1915	1918	1938	1936	62	16.0
1604	Setto	1936	1938	1939	1937	62	16.0
1605	Setto	1918	1921	1940	1938	62	16.0
1606	Setto	1938	1940	1941	1939	62	16.0
1607	Setto	1921	1871	1880	1940	62	16.0
1608	Setto	1940	1880	1881	1941	62	16.0
1609	Setto	1638	1923	1942	1647	62	16.0
1610	Setto	1648	1942	1943		62	16.0
1611	Setto	1923	1925	1944	1942	62	16.0

1612	Setto	1942	1944	1945	1943	62	16.0
1613	Setto	1925	1927	1946	1944	62	16.0
1614	Setto	1944	1946	1947	1945	62	16.0
1615	Setto	1927	1929	1948	1946	62	16.0
1616	Setto	1946	1948	1949	1947	62	16.0
1617	Setto	1929	1931	1950	1948	62	16.0
1618	Setto	1948	1950	1951	1949	62	16.0
1619	Setto	1931	1933	1952	1950	62	16.0
1620	Setto	1950	1952	1953	1951	62	16.0
1621	Setto	1933	1935	1954	1952	62	16.0
1622	Setto	1952	1954	1955	1953	62	16.0
1623	Setto	1935	1937	1956	1954	62	16.0
1624	Setto	1954	1956	1957	1955	62	16.0
1625	Setto	1937	1939	1958	1956	62	16.0
1626	Setto	1956	1958	1959	1957	62	16.0
1627	Setto	1939	1941	1960	1958	62	16.0
1628	Setto	1958	1960	1961	1959	62	16.0
1629	Setto	1941	1881	1890	1960	62	16.0
1630	Setto	1960	1890	1891	1961	62	16.0
1631	Setto	961	999	1962	1869	62	16.0
1632	Setto	1869	1962	1963	1870	62	16.0
1633	Setto	1870	1963	1964	1871	62	16.0
1634	Setto	999	1001	1965	1962	62	16.0
1635	Setto	1962	1965	1966	1963	62	16.0
1636	Setto	1963	1966	1967	1964	62	16.0
1637	Setto	1871	1964	1968	1880	62	16.0
1638	Setto	1880	1968	1969	1881	62	16.0
1639	Setto	1964	1967	1970	1968	62	16.0
1640	Setto	1968	1970	1971	1969	62	16.0
1641	Setto	1881	1969	1972	1890	62	16.0
1642	Setto	1890	1972	1973	1891	62	16.0
1643	Setto	1969	1971	1974	1972	62	16.0
1644	Setto	1972	1974	1975	1973	62	16.0
1645	Setto	720	682	1358	1976	62	16.0
1646	Setto	1976	1358	1360	1977	62	16.0
1647	Setto	1977	1360	1362	1978	62	16.0
1648	Setto	722	720	1976	1979	62	16.0
1649	Setto	1979	1976	1977	1980	62	16.0
1650	Setto	1980	1977	1978	1981	62	16.0
1651	Setto	724	722	1979	1982	62	16.0
1652	Setto	1982	1979	1980	1983	62	16.0
1653	Setto	1983	1980	1981	1984	62	16.0
1654	Setto	726	724	1982	1985	62	16.0
1655	Setto	1985	1982	1983	1986	62	16.0
1656	Setto	1986	1983	1984	1987	62	16.0
1657	Setto	1978	1362	1364	1988	62	16.0
1658	Setto	1988	1364	1366	1989	62	16.0
1659	Setto	1981	1978	1988	1990	62	16.0
1660	Setto	1990	1988	1989	1991	62	16.0
1661	Setto	1984	1981	1990	1992	62	16.0
1662	Setto	1992	1990	1991	1993	62	16.0
1663	Setto	1987	1984	1992	1994	62	16.0
1664	Setto	1994	1992	1993	1995	62	16.0
1665	Setto	1989	1366	1368	1996	62	16.0
1666	Setto	1996	1368	1370	1997	62	16.0
1667	Setto	1991	1989	1996	1998	62	16.0
1668	Setto	1998	1996	1997	1999	62	16.0
1669	Setto	1993	1991	1998	2000	62	16.0
1670	Setto	2000	1998	1999	2001	62	16.0
1671	Setto	1995	1993	2000	2002	62	16.0
1672	Setto	2002	2000	2001	2003	62	16.0
1673	Setto	2828	3217	2497	2589	64	16.0
1674	Setto	3207	383	3199	3208	64	16.0
1675	Setto	1479	3206	3209		64	16.0
1676	Setto	3217	2542	2554	2497	64	16.0
1677	Setto	3206	3208	3210	3209	64	16.0
1678	Setto	3208	3199	3200	3210	64	16.0
1679	Setto	770	768	2010	2013	62	16.0
1680	Setto	2013	2010	2011	2014	62	16.0
1681	Setto	2014	2011	727	2015	62	16.0
1682	Setto	772	770	2013	2016	62	16.0
1683	Setto	2016	2013	2014	2017	62	16.0
1684	Setto	2017	2014	2015	2018	62	16.0
1685	Setto	774	772	2016	2019	62	16.0
1686	Setto	2019	2016	2017	2020	62	16.0

1687	Setto	2020	2017	2018	2021	62	16.0
1688	Setto	1477	3206	1479		64	16.0
1689	Setto	3200	3199	1451		64	16.0
1690	Setto	2121	3211	3212	3203	64	16.0
1691	Setto	3211	3213	3214	3212	64	16.0
1692	Setto	2015	727	728	2028	62	16.0
1693	Setto	2028	728	731	2029	62	16.0
1694	Setto	2018	2015	2028	2030	62	16.0
1695	Setto	2030	2028	2029	2031	62	16.0
1696	Setto	2021	2018	2030	2032	62	16.0
1697	Setto	2032	2030	2031	2033	62	16.0
1698	Setto	3213	450	3201	3214	64	16.0
1699	Setto	3193	3195	3198	3197	64	16.0
1700	Setto	3203	3212	3215	3204	64	16.0
1701	Setto	3195	2871	2872		64	16.0
1702	Setto	2029	731	733	2040	62	16.0
1703	Setto	2040	733	751	2041	62	16.0
1704	Setto	2031	2029	2040	2042	62	16.0
1705	Setto	2042	2040	2041	2043	62	16.0
1706	Setto	2033	2031	2042	2044	62	16.0
1707	Setto	2044	2042	2043	2045	62	16.0
1708	Setto	2558	1985	1986	2573	62	16.0
1709	Setto	2573	1986	1987	2559	62	16.0
1710	Setto	2559	1987	1994	2560	62	16.0
1711	Setto	2560	1994	1995	2004	62	16.0
1712	Setto	2049	1435	394	851	62	16.0
1713	Setto	2050	1437	1435	2049	62	16.0
1714	Setto	2051	1439	1437	2050	62	16.0
1715	Setto	2052	2049	851	853	62	16.0
1716	Setto	2053	2050	2049	2052	62	16.0
1717	Setto	2054	2051	2050	2053	62	16.0
1718	Setto	2055	2052	853	855	62	16.0
1719	Setto	2056	2053	2052	2055	62	16.0
1720	Setto	2057	2054	2053	2056	62	16.0
1721	Setto	2058	2055	855	857	62	16.0
1722	Setto	2059	2056	2055	2058	62	16.0
1723	Setto	2060	2057	2056	2059	62	16.0
1724	Setto	2061	2058	857	859	62	16.0
1725	Setto	2062	2059	2058	2061	62	16.0
1726	Setto	2063	2060	2059	2062	62	16.0
1727	Setto	2064	2061	859	861	62	16.0
1728	Setto	2065	2062	2061	2064	62	16.0
1729	Setto	2066	2063	2062	2065	62	16.0
1730	Setto	2067	2064	861	863	62	16.0
1731	Setto	2068	2065	2064	2067	62	16.0
1732	Setto	2069	2066	2065	2068	62	16.0
1733	Setto	2070	2067	863	865	62	16.0
1734	Setto	2071	2068	2067	2070	62	16.0
1735	Setto	2072	2069	2068	2071	62	16.0
1736	Setto	2073	2070	865	867	62	16.0
1737	Setto	2074	2071	2070	2073	62	16.0
1738	Setto	2075	2072	2071	2074	62	16.0
1739	Setto	2076	2073	867	869	62	16.0
1740	Setto	2077	2074	2073	2076	62	16.0
1741	Setto	2078	2075	2074	2077	62	16.0
1742	Setto	2079	2076	869	871	62	16.0
1743	Setto	2080	2077	2076	2079	62	16.0
1744	Setto	2081	2078	2077	2080	62	16.0
1745	Setto	2082	2079	871	873	62	16.0
1746	Setto	2083	2080	2079	2082	62	16.0
1747	Setto	2084	2081	2080	2083	62	16.0
1748	Setto	2019	2082	873	774	62	16.0
1749	Setto	2020	2083	2082	2019	62	16.0
1750	Setto	2021	2084	2083	2020	62	16.0
1751	Setto	2085	1453	1439	2051	62	16.0
1752	Setto	2086	1455	1453	2085	62	16.0
1753	Setto	2087	2085	2051	2054	62	16.0
1754	Setto	2088	2086	2085	2087	62	16.0
1755	Setto	2089	2087	2054	2057	62	16.0
1756	Setto	2090	2088	2087	2089	62	16.0
1757	Setto	2091	2089	2057	2060	62	16.0
1758	Setto	2092	2090	2089	2091	62	16.0
1759	Setto	2093	2091	2060	2063	62	16.0
1760	Setto	2094	2092	2091	2093	62	16.0
1761	Setto	2095	2093	2063	2066	62	16.0

1762	Setto	2096	2094	2093	2095	62	16.0
1763	Setto	2097	2095	2066	2069	62	16.0
1764	Setto	2098	2096	2095	2097	62	16.0
1765	Setto	2099	2097	2069	2072	62	16.0
1766	Setto	2100	2098	2097	2099	62	16.0
1767	Setto	2101	2099	2072	2075	62	16.0
1768	Setto	2105	1568	216	202	62	16.0
1769	Setto	1407	1571	1568	2105	62	16.0
1770	Setto	1408	1573	1571	1407	62	16.0
1771	Setto	1409	1590	1573	1408	62	16.0
1772	Setto	1419	1592	1590	1409	62	16.0
1773	Setto	1420	1602	1592	1419	62	16.0
1774	Setto	1429	1604	1602	1420	62	16.0
1775	Setto	396	2108	2107	395	62	16.0
1776	Setto	395	2107	2109	397	62	16.0
1777	Setto	397	2109	2110	398	62	16.0
1778	Setto	2108	2106	2111	2107	62	16.0
1779	Setto	2107	2111	2112	2109	62	16.0
1780	Setto	2109	2112	2113	2110	62	16.0
1781	Setto	398	2110	2114	399	62	16.0
1782	Setto	399	2114	2115	400	62	16.0
1783	Setto	2110	2113	2116	2114	62	16.0
1784	Setto	2114	2116	2117	2115	62	16.0
1785	Setto	400	2115	2118	401	62	16.0
1786	Setto	401	2118	2119	402	62	16.0
1787	Setto	2115	2117	2120	2118	62	16.0
1788	Setto	2118	2120	2121	2119	62	16.0
1789	Setto	394	402	2122	1435	62	16.0
1790	Setto	1435	2122	2123	1437	62	16.0
1791	Setto	1437	2123	2124	1439	62	16.0
1792	Setto	1439	2124	2125	1453	62	16.0
1793	Setto	1453	2125	2126	1455	62	16.0
1794	Setto	1455	2126	2127	1465	62	16.0
1795	Setto	1465	2127	2128	1467	62	16.0
1796	Setto	402	2119	2129	2122	62	16.0
1797	Setto	2122	2129	2130	2123	62	16.0
1798	Setto	2123	2130	2131	2124	62	16.0
1799	Setto	2124	2131	1430	2125	62	16.0
1800	Setto	2125	1430	1432	2126	62	16.0
1801	Setto	2126	1432	447	2127	62	16.0
1802	Setto	2127	447	448	2128	62	16.0
1803	Setto	2135	2138	2139	2136	62	16.0
1804	Setto	1959	1961	2140	2137	62	16.0
1805	Setto	2137	2140	2141	2138	62	16.0
1806	Setto	2138	2141	2142	2139	62	16.0
1807	Setto	1961	1891	2298	2140	62	16.0
1808	Setto	2140	2298	2305	2141	62	16.0
1809	Setto	2141	2305	2306	2142	62	16.0
1810	Setto	3024	2332	2143	3033	62	16.0
1811	Setto	3033	2143	2144	3034	62	16.0
1812	Setto	2332	2342	2145	2143	62	16.0
1813	Setto	2143	2145	2146	2144	62	16.0
1814	Setto	2342	2512	2147	2145	62	16.0
1815	Setto	2145	2147	2148	2146	62	16.0
1816	Setto	2512	2515	2149	2147	62	16.0
1817	Setto	2147	2149	2150	2148	62	16.0
1818	Setto	2515	2518	2151	2149	62	16.0
1819	Setto	2149	2151	2152	2150	62	16.0
1820	Setto	2518	2530	2153	2151	62	16.0
1821	Setto	2151	2153	2154	2152	62	16.0
1822	Setto	2530	2133	2155	2153	62	16.0
1823	Setto	2153	2155	2279	2154	62	16.0
1824	Setto	2133	2136	2280	2155	62	16.0
1825	Setto	2155	2280	2281	2279	62	16.0
1826	Setto	2136	2139	2282	2280	62	16.0
1827	Setto	2280	2282	2283	2281	62	16.0
1828	Setto	2139	2142	2284	2282	62	16.0
1829	Setto	2282	2284	2285	2283	62	16.0
1830	Setto	2142	2306	2292	2284	62	16.0
1831	Setto	2387	2389	2393	2388	62	16.0
1832	Setto	2244	2247	2394	2389	62	16.0
1833	Setto	2389	2394	2395	2393	62	16.0
1834	Setto	2247	2380	2396	2394	62	16.0
1835	Setto	2394	2396	2470	2395	62	16.0
1836	Setto	2467	2382	2478	2218	62	16.0

1837	Setto	2219	2478	2481		62	16.0
1838	Setto	2382	2384	2482	2478	62	16.0
1839	Setto	2478	2482	2486	2481	62	16.0
1840	Setto	2384	2386	2492	2482	62	16.0
1841	Setto	2482	2492	2251	2486	62	16.0
1842	Setto	2386	2388	2252	2492	62	16.0
1843	Setto	2492	2252	2253	2251	62	16.0
1844	Setto	2388	2393	2254	2252	62	16.0
1845	Setto	2252	2254	2255	2253	62	16.0
1846	Setto	2393	2395	2256	2254	62	16.0
1847	Setto	2254	2256	2257	2255	62	16.0
1848	Setto	2395	2470	2392	2256	62	16.0
1849	Setto	2256	2392	2397	2257	62	16.0
1850	Setto	1789	1820	2398	2248	62	16.0
1851	Setto	2248	2398	2399	2377	62	16.0
1852	Setto	2377	2399	2400	2380	62	16.0
1853	Setto	1820	1822	2463	2398	62	16.0
1854	Setto	2398	2463	2464	2399	62	16.0
1855	Setto	2399	2464	2156	2400	62	16.0
1856	Setto	1822	1824	2157	2463	62	16.0
1857	Setto	2463	2157	2158	2464	62	16.0
1858	Setto	2464	2158	2159	2156	62	16.0
1859	Setto	3060	3059	1680	1681	62	16.0
1860	Setto	3062	3061	3059	3060	62	16.0
1861	Setto	3064	3063	3061	3062	62	16.0
1862	Setto	2204	3060	1681	1683	62	16.0
1863	Setto	2205	3062	3060	2204	62	16.0
1864	Setto	2206	3064	3062	2205	62	16.0
1865	Setto	2208	2207	3063	3064	62	16.0
1866	Setto	2210	2209	2207	2208	62	16.0
1867	Setto	2211	2208	3064	2206	62	16.0
1868	Setto	2212	2210	2208	2211	62	16.0
1869	Setto	2214	2213	2209	2210	62	16.0
1870	Setto	2353	2215	2213	2214	62	16.0
1871	Setto	2354	2214	2210	2212	62	16.0
1872	Setto	2355	2353	2214	2354	62	16.0
1873	Setto	2368	2367	1701	1702	62	16.0
1874	Setto	2232	2369	2367	2368	62	16.0
1875	Setto	2234	2233	2369	2232	62	16.0
1876	Setto	2241	2368	1702	1704	62	16.0
1877	Setto	2242	2232	2368	2241	62	16.0
1878	Setto	2249	2234	2232	2242	62	16.0
1879	Setto	2359	2250	2233	2234	62	16.0
1880	Setto	2390	2360	2250	2359	62	16.0
1881	Setto	2391	2359	2234	2249	62	16.0
1882	Setto	2467	2390	2359	2391	62	16.0
1883	Setto	2469	2468	2360	2390	62	16.0
1884	Setto	2217	2216	2468	2469	62	16.0
1885	Setto	2218	2469	2390	2467	62	16.0
1886	Setto	2219	2217	2469	2218	62	16.0
1887	Setto	2968	2993	2534	2536	62	16.0
1888	Setto	2552	2550	2502	2505	62	16.0
1889	Setto	2978	2968	2536	2538	62	16.0
1890	Setto	2987	2970	2968	2978	62	16.0
1891	Setto	2989	2978	2538	2540	62	16.0
1892	Setto	2999	2991	2543	2545	62	16.0
1893	Setto	2965	2992	2991	2999	62	16.0
1894	Setto	2990	2987	2978	2989	62	16.0
1895	Setto	2966	2999	2545	2547	62	16.0
1896	Setto	2971	2965	2999	2966	62	16.0
1897	Setto	2972	2966	2547	2549	62	16.0
1898	Setto	2973	2971	2966	2972	62	16.0
1899	Setto	2974	2972	2549	2551	62	16.0
1900	Setto	2977	2973	2972	2974	62	16.0
1901	Setto	2553	2551	2550	2552	62	16.0
1902	Setto	3001	2552	2505	2508	62	16.0
1903	Setto	3192	3194	3195	3193	64	16.0
1904	Setto	2991	2989	2540	2543	62	16.0
1905	Setto	3003	2553	2552	3001	62	16.0
1906	Setto	2992	2990	2989	2991	62	16.0
1907	Setto	3004	3001	2508	2511	62	16.0
1908	Setto	2975	2974	2551	2553	62	16.0
1909	Setto	2976	2977	2974	2975	62	16.0
1910	Setto	2980	2975	2553	3003	62	16.0
1911	Setto	2979	2976	2975	2980	62	16.0

1912	Setto	3005	3003	3001	3004	62	16.0
1913	Setto	2407	3004	2511	2569	62	16.0
1914	Setto	2495	3005	3004	2407	62	16.0
1915	Setto	2993	2861	2851	2534	62	16.0
1916	Setto	2993	2863	2861		62	16.0
1917	Setto	2551	2549	2548	2550	62	16.0
1918	Setto	2981	2980	3003	3005	62	16.0
1919	Setto	2982	2979	2980	2981	62	16.0
1920	Setto	3194	2860	2871	3195	64	16.0
1921	Setto	3045	3022	1648	1660	62	16.0
1922	Setto	3046	3023	3022	3045	62	16.0
1923	Setto	3047	3024	3023	3046	62	16.0
1924	Setto	3048	3045	1660	1662	62	16.0
1925	Setto	3049	3046	3045	3048	62	16.0
1926	Setto	3050	3047	3046	3049	62	16.0
1927	Setto	3051	3033	3024	3047	62	16.0
1928	Setto	2220	3048	1662	1721	64	16.0
1929	Setto	2221	3049	3048	2220	64	16.0
1930	Setto	2222	3050	3049	2221	64	16.0
1931	Setto	2356	2220	1721	1723	64	16.0
1932	Setto	2357	2221	2220	2356	64	16.0
1933	Setto	2358	2222	2221	2357	64	16.0
1934	Setto	2370	2356	1723	1725	64	16.0
1935	Setto	2372	2357	2356	2370	64	16.0
1936	Setto	2373	2358	2357	2372	64	16.0
1937	Setto	3059	2370	1725	1680	64	16.0
1938	Setto	3061	2372	2370	3059	64	16.0
1939	Setto	3063	2373	2372	3061	64	16.0
1940	Setto	2376	2354	2212	2201	64	16.0
1941	Setto	2376	2355	2354		64	16.0
1942	Setto	2183	2376	2201	2203	64	16.0
1943	Setto	2200	2181	2376	2183	64	16.0
1944	Setto	2202	2183	2203	2224	64	16.0
1945	Setto	2223	2200	2183	2202	64	16.0
1946	Setto	2468	2202	2224	2360	64	16.0
1947	Setto	2216	2223	2202		64	16.0
1948	Setto	2185	3057	3054	2180	64	16.0
1949	Setto	2185	3058	3057		64	16.0
1950	Setto	2187	2185	2180	2182	64	16.0
1951	Setto	2188	2186	2185	2187	64	16.0
1952	Setto	2189	2187	2182	2184	64	16.0
1953	Setto	2190	2188	2187	2189	64	16.0
1954	Setto	2213	2189	2184	2209	64	16.0
1955	Setto	2215	2190	2189		64	16.0
1956	Setto	3029	3026	3015	3018	62	16.0
1957	Setto	3030	3028	3026	3029	62	16.0
1958	Setto	3031	3029	3018	3021	62	16.0
1959	Setto	3032	3030	3029	3031	62	16.0
1960	Setto	3033	3031	3021	3024	62	16.0
1961	Setto	3034	3032	3031	3033	62	16.0
1962	Setto	3036	3035	3027	3028	62	16.0
1963	Setto	2240	2245	2246	2243	62	16.0
1964	Setto	2243	2246	2247	2244	62	16.0
1965	Setto	1787	1789	2248	2245	62	16.0
1966	Setto	2245	2248	2377	2246	62	16.0
1967	Setto	2246	2377	2380	2247	62	16.0
1968	Setto	2249	2227	2381	2391	62	16.0
1969	Setto	2391	2381	2382	2467	62	16.0
1970	Setto	1824	1826	2160	2157	62	16.0
1971	Setto	2157	2160	2161	2158	62	16.0
1972	Setto	2158	2161	2162	2159	62	16.0
1973	Setto	1826	1828	2163	2160	62	16.0
1974	Setto	2160	2163	2164	2161	62	16.0
1975	Setto	2161	2164	2165	2162	62	16.0
1976	Setto	2380	2400	2166	2396	62	16.0
1977	Setto	2396	2166	2167	2470	62	16.0
1978	Setto	2400	2156	2168	2166	62	16.0
1979	Setto	2166	2168	2169	2167	62	16.0
1980	Setto	2156	2159	2170	2168	62	16.0
1981	Setto	2168	2170	2171	2169	62	16.0
1982	Setto	2159	2162	2172	2170	62	16.0
1983	Setto	2170	2172	2173	2171	62	16.0
1984	Setto	2162	2165	2174	2172	62	16.0
1985	Setto	2172	2174	2175	2173	62	16.0
1986	Setto	2470	2167	2176	2392	62	16.0

1987	Setto	2392	2176	2177	2397	62	16.0
1988	Setto	2167	2169	2178	2176	62	16.0
1989	Setto	2176	2178	2179	2177	62	16.0
1990	Setto	2169	2171	2258	2178	62	16.0
1991	Setto	2178	2258	2259	2179	62	16.0
1992	Setto	2171	2173	2260	2258	62	16.0
1993	Setto	2258	2260	2261	2259	62	16.0
1994	Setto	2173	2175	2262	2260	62	16.0
1995	Setto	2260	2262	2263		62	16.0
1996	Setto	2163	2264	1850	1828	62	16.0
1997	Setto	2164	2265	2264	2163	62	16.0
1998	Setto	2284	2292	2293	2285	62	16.0
1999	Setto	3034	2144	2286	3043	62	16.0
2000	Setto	3044	2286	2287		62	16.0
2001	Setto	2144	2146	2295	2286	62	16.0
2002	Setto	2286	2295	2317	2287	62	16.0
2003	Setto	2146	2148	2318	2295	62	16.0
2004	Setto	2295	2318	2319	2317	62	16.0
2005	Setto	2148	2150	2328	2318	62	16.0
2006	Setto	2318	2328	2329	2319	62	16.0
2007	Setto	2150	2152	2340	2328	62	16.0
2008	Setto	2328	2340	2341	2329	62	16.0
2009	Setto	2152	2154	2444	2340	62	16.0
2010	Setto	2340	2444	2445	2341	62	16.0
2011	Setto	2525	2527	2297	2288	62	16.0
2012	Setto	2154	2279	2446	2444	62	16.0
2013	Setto	2526	2291	2527	2525	62	16.0
2014	Setto	2444	2446	2453	2445	62	16.0
2015	Setto	2279	2281	2454	2446	62	16.0
2016	Setto	2446	2454	2461	2453	62	16.0
2017	Setto	2281	2283	2462	2454	62	16.0
2018	Setto	2527	2292	2306	2297	62	16.0
2019	Setto	2291	2293	2292	2527	62	16.0
2020	Setto	2294	2296	2361	2348	62	16.0
2021	Setto	2299	2300	2296	2294	62	16.0
2022	Setto	2296	2301	2526	2361	62	16.0
2023	Setto	2300	2302	2301	2296	62	16.0
2024	Setto	2301	2303	2291	2526	62	16.0
2025	Setto	2302	2304	2303	2301	62	16.0
2026	Setto	2523	2528	2522	2521	62	16.0
2027	Setto	2520	2529	1887	1885	62	16.0
2028	Setto	2522	2532	2529	2520	62	16.0
2029	Setto	2528	2288	2532	2522	62	16.0
2030	Setto	2529	2289	1889	1887	62	16.0
2031	Setto	2532	2290	2289	2529	62	16.0
2032	Setto	2288	2297	2290	2532	62	16.0
2033	Setto	647	528	541	663	62	16.0
2034	Setto	2920	2918	2921		62	16.0
2035	Setto	2006	2003	2439	2007	62	16.0
2036	Setto	2007	2439	2440	753	62	16.0
2037	Setto	2411	2412	2981		62	16.0
2038	Setto	2304	2310	2303		62	16.0
2039	Setto	3043	2286	3044		62	16.0
2040	Setto	2261	2260	2263		62	16.0
2041	Setto	2218	2478	2219		62	16.0
2042	Setto	2468	2216	2202		64	16.0
2043	Setto	2181	2355	2376		64	16.0
2044	Setto	2213	2215	2189		64	16.0
2045	Setto	2322	2326	2327	2323	62	16.0
2046	Setto	2293	2323	2330	2309	62	16.0
2047	Setto	2191	2204	1683	1716	64	16.0
2048	Setto	2192	2205	2204	2191	64	16.0
2049	Setto	2193	2206	2205	2192	64	16.0
2050	Setto	2194	2191	1716	1735	64	16.0
2051	Setto	2195	2192	2191	2194	64	16.0
2052	Setto	2196	2193	2192	2195	64	16.0
2053	Setto	2197	2194	1735	1739	64	16.0
2054	Setto	2309	2330	2335	2310	62	16.0
2055	Setto	2323	2327	2336	2330	62	16.0
2056	Setto	2634	1230	2632		62	16.0
2057	Setto	2198	2195	2194	2197	64	16.0
2058	Setto	2199	2196	2195	2198	64	16.0
2059	Setto	2367	2197	1739	1701	64	16.0
2060	Setto	2369	2198	2197	2367	64	16.0
2061	Setto	3038	3037	3035	3036	62	16.0

2062	Setto	3039	3036	3028	3030	62	16.0
2063	Setto	2165	2266	2265	2164	62	16.0
2064	Setto	2264	2267	1852	1850	62	16.0
2065	Setto	2265	2268	2267	2264	62	16.0
2066	Setto	2266	2269	2268	2265	62	16.0
2067	Setto	2267	2270	1854	1852	62	16.0
2068	Setto	2268	2271	2270	2267	62	16.0
2069	Setto	3040	3038	3036	3039	62	16.0
2070	Setto	3041	3039	3030	3032	62	16.0
2071	Setto	2738	1231	2736		62	16.0
2072	Setto	3002	2863	2993		62	16.0
2073	Setto	3042	3040	3039	3041	62	16.0
2074	Setto	3043	3041	3032	3034	62	16.0
2075	Setto	2269	2272	2271	2268	62	16.0
2076	Setto	2270	2273	1856	1854	62	16.0
2077	Setto	2271	2274	2273	2270	62	16.0
2078	Setto	2272	2275	2274	2271	62	16.0
2079	Setto	3044	3042	3041	3043	62	16.0
2080	Setto	2227	2230	2383	2381	62	16.0
2081	Setto	2381	2383	2384	2382	62	16.0
2082	Setto	2230	2236	2385	2383	62	16.0
2083	Setto	2174	2276	2266	2165	62	16.0
2084	Setto	2175	2277	2276	2174	62	16.0
2085	Setto	2276	2278	2269	2266	62	16.0
2086	Setto	2277	2371	2278	2276	62	16.0
2087	Setto	2330	2336	2337	2335	62	16.0
2088	Setto	1997	1370	2754	2338	62	16.0
2089	Setto	2233	2199	2198	2369	64	16.0
2090	Setto	1704	1777	2225	2241	62	16.0
2091	Setto	2241	2225	2226	2242	62	16.0
2092	Setto	2242	2226	2227	2249	62	16.0
2093	Setto	1777	1779	2228	2225	62	16.0
2094	Setto	2225	2228	2229	2226	62	16.0
2095	Setto	2226	2229	2230	2227	62	16.0
2096	Setto	2303	2309	2293	2291	62	16.0
2097	Setto	2383	2385	2386	2384	62	16.0
2098	Setto	2236	2239	2387	2385	62	16.0
2099	Setto	2303	2310	2309		62	16.0
2100	Setto	2289	2298	1891	1889	62	16.0
2101	Setto	2385	2387	2388	2386	62	16.0
2102	Setto	2290	2305	2298	2289	62	16.0
2103	Setto	2297	2306	2305	2290	62	16.0
2104	Setto	2278	2374	2272	2269	62	16.0
2105	Setto	1648	1943	2311	3022	62	16.0
2106	Setto	3022	2311	2324	3023	62	16.0
2107	Setto	2371	2375	2374	2278	62	16.0
2108	Setto	2239	2244	2389	2387	62	16.0
2109	Setto	2374	2378	2275	2272	62	16.0
2110	Setto	2375	2379	2378	2374	62	16.0
2111	Setto	2262	2465	2277	2175	62	16.0
2112	Setto	2263	2466	2465	2262	62	16.0
2113	Setto	2465	2471	2371	2277	62	16.0
2114	Setto	2466	2473	2471	2465	62	16.0
2115	Setto	2471	2474	2375	2371	62	16.0
2116	Setto	2473	2477	2474	2471	62	16.0
2117	Setto	2474	2491	2379	2375	62	16.0
2118	Setto	2477	2493	2491	2474	62	16.0
2119	Setto	2494	2520	1885	1884	62	16.0
2120	Setto	2521	2522	2520	2494	62	16.0
2121	Setto	3023	2324	2332	3024	62	16.0
2122	Setto	1943	1945	2333	2311	62	16.0
2123	Setto	2311	2333	2334	2324	62	16.0
2124	Setto	2324	2334	2342	2332	62	16.0
2125	Setto	1945	1947	2343	2333	62	16.0
2126	Setto	2333	2343	2347	2334	62	16.0
2127	Setto	2334	2347	2512	2342	62	16.0
2128	Setto	1947	1949	2513	2343	62	16.0
2129	Setto	2343	2513	2514	2347	62	16.0
2130	Setto	2347	2514	2515	2512	62	16.0
2131	Setto	2428	2425	1594	1596	62	16.0
2132	Setto	2429	2426	2425	2428	62	16.0
2133	Setto	2430	2427	2426	2429	62	16.0
2134	Setto	2431	2428	1596	1569	62	16.0
2135	Setto	2472	2429	2428	2431	62	16.0
2136	Setto	2475	2430	2429	2472	62	16.0

2137	Setto	2476	2431	1569	1575	62	16.0
2138	Setto	2502	2488	2487	2490	62	16.0
2139	Setto	2503	2489	1581	1580	62	16.0
2140	Setto	2504	2490	2489	2503	62	16.0
2141	Setto	2505	2502	2490	2504	62	16.0
2142	Setto	2506	2503	1580	1583	62	16.0
2143	Setto	2507	2504	2503	2506	62	16.0
2144	Setto	2508	2505	2504	2507	62	16.0
2145	Setto	2509	2506	1583	1586	62	16.0
2146	Setto	2510	2507	2506	2509	62	16.0
2147	Setto	2511	2508	2507	2510	62	16.0
2148	Setto	2567	2509	1586	2045	62	16.0
2149	Setto	2568	2510	2509	2567	62	16.0
2150	Setto	2569	2511	2510	2568	62	16.0
2151	Setto	2533	2849	2835	2418	62	16.0
2152	Setto	2534	2851	2849	2533	62	16.0
2153	Setto	2535	2533	2418	2421	62	16.0
2154	Setto	2536	2534	2533	2535	62	16.0
2155	Setto	2537	2535	2421	2424	62	16.0
2156	Setto	2538	2536	2535	2537	62	16.0
2157	Setto	2539	2537	2424	2427	62	16.0
2158	Setto	2540	2538	2537	2539	62	16.0
2159	Setto	2541	2539	2427	2430	62	16.0
2160	Setto	2543	2540	2539	2541	62	16.0
2161	Setto	2544	2541	2430	2475	62	16.0
2162	Setto	2545	2543	2541	2544	62	16.0
2163	Setto	2546	2544	2475	2484	62	16.0
2164	Setto	2547	2545	2544	2546	62	16.0
2165	Setto	2548	2546	2484	2488	62	16.0
2166	Setto	2338	2754	2756	2339	62	16.0
2167	Setto	2339	2756	2758	2432	62	16.0
2168	Setto	1999	1997	2338	2433	62	16.0
2169	Setto	2433	2338	2339	2434	62	16.0
2170	Setto	2434	2339	2432	2435	62	16.0
2171	Setto	2001	1999	2433	2436	62	16.0
2172	Setto	2436	2433	2434	2437	62	16.0
2173	Setto	2437	2434	2435	2438	62	16.0
2174	Setto	2003	2001	2436	2439	62	16.0
2175	Setto	2439	2436	2437	2440	62	16.0
2176	Setto	2440	2437	2438	2441	62	16.0
2177	Setto	2432	2758	2760	2442	62	16.0
2178	Setto	2442	2760	2762	2443	62	16.0
2179	Setto	2435	2432	2442	2447	62	16.0
2180	Setto	2447	2442	2443	2448	62	16.0
2181	Setto	2438	2435	2447	2449	62	16.0
2182	Setto	2449	2447	2448	2450	62	16.0
2183	Setto	2441	2438	2449	2451	62	16.0
2184	Setto	2451	2449	2450	2452	62	16.0
2185	Setto	2443	2762	2764	2455	62	16.0
2186	Setto	2455	2764	2766		62	16.0
2187	Setto	2448	2443	2455	2457	62	16.0
2188	Setto	2457	2455	2456	2458	62	16.0
2189	Setto	2450	2448	2457	2459	62	16.0
2190	Setto	2459	2457	2458	2460	62	16.0
2191	Setto	2452	2450	2459	2479	62	16.0
2192	Setto	2479	2459	2460	2480	62	16.0
2193	Setto	2888	3191	2890		64	16.0
2194	Setto	2454	2462	2307	2461	62	16.0
2195	Setto	2283	2285	2308	2462	62	16.0
2196	Setto	2462	2308	2312	2307	62	16.0
2197	Setto	2285	2293	2309	2308	62	16.0
2198	Setto	2308	2309	2310	2312	62	16.0
2199	Setto	1891	1973	2313	2298	62	16.0
2200	Setto	2298	2313	2314	2305	62	16.0
2201	Setto	1949	1951	2516	2513	62	16.0
2202	Setto	2513	2516	2517	2514	62	16.0
2203	Setto	2514	2517	2518	2515	62	16.0
2204	Setto	1951	1953	2519	2516	62	16.0
2205	Setto	2516	2519	2524	2517	62	16.0
2206	Setto	2517	2524	2530	2518	62	16.0
2207	Setto	1953	1955	2531	2519	62	16.0
2208	Setto	2483	2472	2431	2476	62	16.0
2209	Setto	2484	2475	2472	2483	62	16.0
2210	Setto	2485	2476	1575	1577	62	16.0
2211	Setto	2487	2483	2476	2485	62	16.0

2212	Setto	2488	2484	2483	2487	62	16.0
2213	Setto	663	541	542	1213	62	16.0
2214	Setto	2489	2485	1577	1581	62	16.0
2215	Setto	2490	2487	2485	2489	62	16.0
2216	Setto	1213	542	1207	1317	62	16.0
2217	Setto	2549	2547	2546	2548	62	16.0
2218	Setto	2550	2548	2488	2502	62	16.0
2219	Setto	3198	3195	2872		64	16.0
2220	Setto	383	384	1450	3199	64	16.0
2221	Setto	2344	2964	1604	1429	62	16.0
2222	Setto	2305	2314	2315	2306	62	16.0
2223	Setto	1973	1975	2316	2313	62	16.0
2224	Setto	2313	2316	2320	2314	62	16.0
2225	Setto	2803	2967	2964	2344	62	16.0
2226	Setto	2804	2969	2967	2803	62	16.0
2227	Setto	2805	2986	2969	2804	62	16.0
2228	Setto	2815	2988	2986	2805	62	16.0
2229	Setto	2816	2998	2988	2815	62	16.0
2230	Setto	2825	3000	2998	2816	62	16.0
2231	Setto	1467	2128	2345	2831	62	16.0
2232	Setto	2831	2345	2346	2833	62	16.0
2233	Setto	2833	2346	2349	2835	62	16.0
2234	Setto	2835	2349	2350	2849	62	16.0
2235	Setto	2849	2350	2351	2851	62	16.0
2236	Setto	2851	2351	2352	2861	62	16.0
2237	Setto	2861	2352	2363	2863	62	16.0
2238	Setto	2128	448	2364	2345	62	16.0
2239	Setto	2314	2320	2321	2315	62	16.0
2240	Setto	2306	2315	2322	2292	62	16.0
2241	Setto	2345	2364	2365	2346	62	16.0
2242	Setto	2346	2365	2366	2349	62	16.0
2243	Setto	2349	2366	2826	2350	62	16.0
2244	Setto	2350	2826	2828	2351	62	16.0
2245	Setto	2351	2828	2589	2352	62	16.0
2246	Setto	2352	2589	2590	2363	62	16.0
2247	Setto	2411	2981	3005	2495	62	16.0
2248	Setto	2412	2982	2981		62	16.0
2249	Setto	3011	3010	1641	1642	62	16.0
2250	Setto	3013	3012	3010	3011	62	16.0
2251	Setto	3015	3014	3012	3013	62	16.0
2252	Setto	3199	1450	1451		64	16.0
2253	Setto	450	452	1404	3201	64	16.0
2254	Setto	3201	1404	1405		64	16.0
2255	Setto	2292	2322	2323	2293	62	16.0
2256	Setto	2315	2321	2326	2322	62	16.0
2257	Setto	2325	2331	2528	2523	62	16.0
2258	Setto	2348	2361	2331	2325	62	16.0
2259	Setto	2331	2525	2288	2528	62	16.0
2260	Setto	2361	2526	2525	2331	62	16.0
2261	Setto	2041	751	752	2561	62	16.0
2262	Setto	2561	752	729	2562	62	16.0
2263	Setto	2562	729	730	2563	62	16.0
2264	Setto	2043	2041	2561	2564	62	16.0
2265	Setto	2564	2561	2562	2565	62	16.0
2266	Setto	2519	2531	2132	2524	62	16.0
2267	Setto	2524	2132	2133	2530	62	16.0
2268	Setto	1955	1957	2134	2531	62	16.0
2269	Setto	2565	2562	2563	2566	62	16.0
2270	Setto	2045	2043	2564	2567	62	16.0
2271	Setto	2567	2564	2565	2568	62	16.0
2272	Setto	2568	2565	2566	2569	62	16.0
2273	Setto	2119	2121	3203	2129	64	16.0
2274	Setto	2130	3203	3204		64	16.0
2275	Setto	2531	2134	2135	2132	62	16.0
2276	Setto	2132	2135	2136	2133	62	16.0
2277	Setto	338	3205	3206	1477	64	16.0
2278	Setto	3205	3207	3208	3206	64	16.0
2279	Setto	2563	730	754	2403	62	16.0
2280	Setto	2403	754	734	2404	62	16.0
2281	Setto	2566	2563	2403	2405	62	16.0
2282	Setto	2405	2403	2404	2406	62	16.0
2283	Setto	1957	1959	2137	2134	62	16.0
2284	Setto	2134	2137	2138	2135	62	16.0
2285	Setto	3016	3011	1642	1644	62	16.0
2286	Setto	3017	3013	3011	3016	62	16.0

2287	Setto	3018	3015	3013	3017	62	16.0
2288	Setto	3019	3016	1644	1646	62	16.0
2289	Setto	3020	3017	3016	3019	62	16.0
2290	Setto	3021	3018	3017	3020	62	16.0
2291	Setto	3022	3019	1646	1648	62	16.0
2292	Setto	3023	3020	3019	3022	62	16.0
2293	Setto	3024	3021	3020	3023	62	16.0
2294	Setto	3026	3025	3014	3015	62	16.0
2295	Setto	3028	3027	3025	3026	62	16.0
2296	Setto	3052	3034	3033	3051	62	16.0
2297	Setto	3053	3051	3047	3050	62	16.0
2298	Setto	3054	3052	3051	3053	62	16.0
2299	Setto	3055	3043	3034	3052	62	16.0
2300	Setto	3056	3044	3043	3055	62	16.0
2301	Setto	3057	3055	3052	3054	62	16.0
2302	Setto	3058	3056	3055	3057	62	16.0
2303	Setto	1779	1781	2231	2228	62	16.0
2304	Setto	2228	2231	2235	2229	62	16.0
2305	Setto	2229	2235	2236	2230	62	16.0
2306	Setto	1781	1783	2237	2231	62	16.0
2307	Setto	2231	2237	2238	2235	62	16.0
2308	Setto	2235	2238	2239	2236	62	16.0
2309	Setto	1783	1785	2240	2237	62	16.0
2310	Setto	2237	2240	2243	2238	62	16.0
2311	Setto	2238	2243	2244	2239	62	16.0
2312	Setto	1785	1787	2245	2240	62	16.0
2313	Setto	2890	3191	3196		64	16.0
2314	Setto	3191	3193	3197	3196	64	16.0
2315	Setto	2404	734	764	2362	62	16.0
2316	Setto	2362	764	732	2408	62	16.0
2317	Setto	2406	2404	2362	2409	62	16.0
2318	Setto	2409	2362	2408	2410	62	16.0
2319	Setto	2495	2406	2409	2411	62	16.0
2320	Setto	2411	2409	2410	2412	62	16.0
2321	Setto	753	2440	2441	763	62	16.0
2322	Setto	763	2441	2451	2024	62	16.0
2323	Setto	2024	2451	2452	2034	62	16.0
2324	Setto	2034	2452	2479	2496	62	16.0
2325	Setto	2416	2831	1467	1606	62	16.0
2326	Setto	2417	2833	2831	2416	62	16.0
2327	Setto	2418	2835	2833	2417	62	16.0
2328	Setto	2419	2416	1606	1574	62	16.0
2329	Setto	2420	2417	2416	2419	62	16.0
2330	Setto	2421	2418	2417	2420	62	16.0
2331	Setto	2422	2419	1574	1591	62	16.0
2332	Setto	2423	2420	2419	2422	62	16.0
2333	Setto	2424	2421	2420	2423	62	16.0
2334	Setto	2569	2566	2405	2407	62	16.0
2335	Setto	2425	2422	1591	1594	62	16.0
2336	Setto	2407	2405	2406	2495	62	16.0
2337	Setto	2426	2423	2422	2425	62	16.0
2338	Setto	2427	2424	2423	2426	62	16.0
2339	Setto	1179	961	1178		62	16.0
2340	Setto	280	282	279		62	16.0
2341	Setto	851	394	850		62	16.0
2342	Setto	652	1380	651		62	16.0
2343	Setto	534	2767	533		62	16.0
2344	Setto	1317	1207	1208	1335	62	16.0
2345	Setto	1335	1208	1209	1336	62	16.0
2346	Setto	2186	3058	2185		64	16.0
2347	Setto	2027	726	1985	2558	62	16.0
2348	Setto	773	771	774		62	16.0
2349	Setto	1235	2777	1233		62	16.0
2350	Setto	1342	1214	1340		62	16.0
2351	Setto	1606	1467	1597		62	16.0
2352	Setto	1336	1209	1226	1353	62	16.0
2353	Setto	1353	1226	1227	1354	62	16.0
2354	Setto	1354	1227	1242	2612	62	16.0
2355	Setto	1524	1522	1525		62	16.0
2356	Setto	2004	1995	2002	2005	62	16.0
2357	Setto	2005	2002	2003	2006	62	16.0
2358	Setto	2044	2045	1585		62	16.0
2359	Setto	1889	1891	1888		62	16.0
2360	Setto	1647	1942	1648		62	16.0
2361	Setto	1826	1825	1828		62	16.0

2362	Setto	1703	1776	1704		62	16.0
2363	Setto	1699	1701	1737		64	16.0
2364	Setto	1716	1683	1714		64	16.0
2365	Setto	1678	1680	1724		64	16.0
2366	Setto	1721	1662	1720		64	16.0
2367	Setto	1108	1109	1110		62	16.0
2368	Setto	19	21	20		62	16.0
2369	Setto	23	24	61		64	16.0
2370	Setto	69	45	67		64	16.0
2371	Setto	47	48	112		64	16.0
2372	Setto	108	93	106		64	16.0
2373	Setto	88	940	90		62	16.0
2374	Setto	2806	2575	445	1433	62	16.0
2375	Setto	2807	2576	2575	2806	62	16.0
2376	Setto	2808	2579	2576	2807	62	16.0
2377	Setto	2575	2577	446	445	62	16.0
2378	Setto	2576	2578	2577	2575	62	16.0
2379	Setto	2579	2580	2578	2576	62	16.0
2380	Setto	2817	2581	2579	2808	62	16.0
2381	Setto	2818	2583	2581	2817	62	16.0
2382	Setto	2581	2582	2580	2579	62	16.0
2383	Setto	2583	2584	2582	2581	62	16.0
2384	Setto	2827	2585	2583	2818	62	16.0
2385	Setto	2829	2587	2585	2827	62	16.0
2386	Setto	2585	2586	2584	2583	62	16.0
2387	Setto	2587	2588	2586	2585	62	16.0
2388	Setto	2592	1246	2777	1235	62	16.0
2389	Setto	2594	1247	1246	2592	62	16.0
2390	Setto	2596	1315	1247	2594	62	16.0
2391	Setto	2597	2592	1235	1237	62	16.0
2392	Setto	2598	2594	2592	2597	62	16.0
2393	Setto	2599	2596	2594	2598	62	16.0
2394	Setto	2600	2597	1237	1239	62	16.0
2395	Setto	2601	2598	2597	2600	62	16.0
2396	Setto	2602	2599	2598	2601	62	16.0
2397	Setto	2603	2600	1239	1241	62	16.0
2398	Setto	2604	2601	2600	2603	62	16.0
2399	Setto	2605	2602	2601	2604	62	16.0
2400	Setto	2606	2603	1241	1243	62	16.0
2401	Setto	2607	2604	2603	2606	62	16.0
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2405	Setto	2611	2608	2607	2610	62	16.0
2406	Setto	2591	2609	1245	1234	62	16.0
2407	Setto	2593	2610	2609	2591	62	16.0
2408	Setto	2595	2611	2610	2593	62	16.0
2409	Setto	2616	1316	1315	2596	62	16.0
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2423	Setto	2632	2629	2614	2618	62	16.0
2424	Setto	2632	1230	2629		62	16.0
2425	Setto	2635	2632	2618	2620	62	16.0
2426	Setto	2636	2634	2632	2635	62	16.0
2427	Setto	2637	2635	2620	2622	62	16.0
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2429	Setto	2639	2637	2622	2624	62	16.0
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2431	Setto	2641	2639	2624	2626	62	16.0
2432	Setto	2642	2640	2639	2641	62	16.0
2433	Setto	2643	2641	2626	2628	62	16.0
2434	Setto	2644	2642	2641	2643	62	16.0
2435	Setto	2631	2643	2628	2617	62	16.0
2436	Setto	2633	2644	2643	2631	62	16.0

2437	Setto	2647	2591	1234	1278	62	16.0
2438	Setto	2648	2593	2591	2647	62	16.0
2439	Setto	2649	2595	2593	2648	62	16.0
2440	Setto	2650	2647	1278	1280	62	16.0
2441	Setto	2651	2648	2647	2650	62	16.0
2442	Setto	2652	2649	2648	2651	62	16.0
2443	Setto	2653	2650	1280	1282	62	16.0
2444	Setto	2654	2651	2650	2653	62	16.0
2445	Setto	2655	2652	2651	2654	62	16.0
2446	Setto	2656	2653	1282	1284	62	16.0
2447	Setto	2658	2654	2653	2656	62	16.0
2448	Setto	2659	2655	2654	2658	62	16.0
2449	Setto	2660	2656	1284	1286	62	16.0
2450	Setto	2661	2658	2656	2660	62	16.0
2451	Setto	2662	2659	2658	2661	62	16.0
2452	Setto	2663	2615	2595	2649	62	16.0
2453	Setto	2664	2617	2615	2663	62	16.0
2454	Setto	2665	2663	2649	2652	62	16.0
2455	Setto	2666	2664	2663	2665	62	16.0
2456	Setto	2667	2665	2652	2655	62	16.0
2457	Setto	2668	2666	2665	2667	62	16.0
2458	Setto	2669	2667	2655	2659	62	16.0
2459	Setto	2670	2668	2667	2669	62	16.0
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2461	Setto	2672	2670	2669	2671	62	16.0
2462	Setto	2673	2631	2617	2664	62	16.0
2463	Setto	2674	2633	2631	2673	62	16.0
2464	Setto	2675	2673	2664	2666	62	16.0
2465	Setto	2676	2674	2673	2675	62	16.0
2466	Setto	2677	2675	2666	2668	62	16.0
2467	Setto	2678	2676	2675	2677	62	16.0
2468	Setto	2679	2677	2668	2670	62	16.0
2469	Setto	2680	2678	2677	2679	62	16.0
2470	Setto	2681	2679	2670	2672	62	16.0
2471	Setto	2682	2680	2679	2681	62	16.0
2472	Setto	1293	1234	2591	2683	62	16.0
2473	Setto	2683	2591	2593	2684	62	16.0
2474	Setto	2684	2593	2595	2685	62	16.0
2475	Setto	2685	2595	2615	2686	62	16.0
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2480	Setto	2693	2645	2630	2691	62	16.0
2481	Setto	2695	2646	2645	2693	62	16.0
2482	Setto	2696	2691	1342	1344	62	16.0
2483	Setto	2697	2693	2691	2696	62	16.0
2484	Setto	2698	2695	2693	2697	62	16.0
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2489	Setto	2703	2700	2699	2702	62	16.0
2490	Setto	2704	2701	2700	2703	62	16.0
2491	Setto	2705	2702	1348	1350	62	16.0
2492	Setto	2706	2703	2702	2705	62	16.0
2493	Setto	2707	2704	2703	2706	62	16.0
2494	Setto	2708	2705	1350	1352	62	16.0
2495	Setto	2709	2706	2705	2708	62	16.0
2496	Setto	2710	2707	2706	2709	62	16.0
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2499	Setto	2694	2710	2709	2692	62	16.0
2500	Setto	2714	2690	1341	1356	62	16.0
2501	Setto	2715	2692	2690	2714	62	16.0
2502	Setto	2716	2694	2692	2715	62	16.0
2503	Setto	2718	2711	2646	2695	62	16.0
2504	Setto	2720	2712	2711	2718	62	16.0
2505	Setto	2721	2718	2695	2698	62	16.0
2506	Setto	2722	2720	2718	2721	62	16.0
2507	Setto	2723	2721	2698	2701	62	16.0
2508	Setto	2724	2722	2721	2723	62	16.0
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2512	Setto	2728	2726	2725	2727	62	16.0
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2514	Setto	2730	2728	2727	2729	62	16.0
2515	Setto	2717	2729	2710	2694	62	16.0
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2521	Setto	2739	2736	2720	2722	62	16.0
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2523	Setto	2741	2739	2722	2724	62	16.0
2524	Setto	2742	2740	2739	2741	62	16.0
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2535	Setto	2612	1242	1243	2613	62	16.0
2536	Setto	1365	516	2713	2731	62	16.0
2537	Setto	2731	2713	2732	2749	62	16.0
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2539	Setto	660	1365	2731	1309	62	16.0
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2541	Setto	1310	2749	3065	1311	62	16.0
2542	Setto	3065	2750	3066	667	62	16.0
2543	Setto	667	3066	668	671	62	16.0
2544	Setto	1311	3065	667	1331	62	16.0
2545	Setto	1331	667	671	1332	62	16.0
2546	Setto	671	668	673	675	62	16.0
2547	Setto	675	673	677	531	62	16.0
2548	Setto	1332	671	675	1349	62	16.0
2549	Setto	1349	675	531	1350	62	16.0
2550	Setto	457	471	458		62	16.0
2551	Setto	489	487	490		62	16.0
2552	Setto	1397	1396	2780	2781	62	16.0
2553	Setto	2781	2780	2782	2783	62	16.0
2554	Setto	2783	2782	2784	2785	62	16.0
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2556	Setto	2690	2781	2783	2692	62	16.0
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2559	Setto	2787	2786	2788	2789	62	16.0
2560	Setto	2694	2785	2787	2717	62	16.0
2561	Setto	2717	2787	2789	2719	62	16.0
2562	Setto	2789	2788	2790	2791	62	16.0
2563	Setto	2791	2790	2792	2793	62	16.0
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2566	Setto	1424	1214	2630	2794	62	16.0
2567	Setto	2794	2630	2645	2795	62	16.0
2568	Setto	2795	2645	2646	2796	62	16.0
2569	Setto	1426	1424	2794	2797	62	16.0
2570	Setto	2797	2794	2795	2798	62	16.0
2571	Setto	2798	2795	2796	2799	62	16.0
2572	Setto	1428	1426	2797	2800	62	16.0
2573	Setto	2800	2797	2798	2801	62	16.0
2574	Setto	2801	2798	2799	2802	62	16.0
2575	Setto	2577	2344	1429	446	62	16.0
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2578	Setto	2983	2806	1433	1613	62	16.0
2579	Setto	2984	2807	2806	2983	62	16.0
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2581	Setto	2796	2646	2711	2809	62	16.0
2582	Setto	2809	2711	2712	2810	62	16.0
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2584	Setto	2811	2809	2810	2812	62	16.0
2585	Setto	2802	2799	2811	2813	62	16.0
2586	Setto	2813	2811	2812	2814	62	16.0

2587	Setto	2582	2805	2804	2580	62	16.0
2588	Setto	2584	2815	2805	2582	62	16.0
2589	Setto	2996	2817	2808	2985	62	16.0
2590	Setto	2997	2818	2817	2996	62	16.0
2591	Setto	2810	2712	1215	2819	62	16.0
2592	Setto	2819	1215	1231	2820	62	16.0
2593	Setto	2812	2810	2819	2821	62	16.0
2594	Setto	2821	2819	2820	2822	62	16.0
2595	Setto	2814	2812	2821	2823	62	16.0
2596	Setto	2823	2821	2822	2824	62	16.0
2597	Setto	2586	2816	2815	2584	62	16.0
2598	Setto	2588	2825	2816	2586	62	16.0
2599	Setto	3008	2827	2818	2997	62	16.0
2600	Setto	3009	2829	2827	3008	62	16.0
2601	Setto	1468	1467	2831	2832	62	16.0
2602	Setto	2832	2831	2833	2834	62	16.0
2603	Setto	2834	2833	2835	2836	62	16.0
2604	Setto	1470	1468	2832	2837	62	16.0
2605	Setto	2837	2832	2834	2838	62	16.0
2606	Setto	2838	2834	2836	2839	62	16.0
2607	Setto	1472	1470	2837	2840	62	16.0
2608	Setto	2840	2837	2838	2841	62	16.0
2609	Setto	2841	2838	2839	2842	62	16.0
2610	Setto	1474	1472	2840	2843	62	16.0
2611	Setto	2843	2840	2841	2844	62	16.0
2612	Setto	2844	2841	2842	2845	62	16.0
2613	Setto	1476	1474	2843	2846	62	16.0
2614	Setto	2846	2843	2844	2847	62	16.0
2615	Setto	2847	2844	2845	2848	62	16.0
2616	Setto	2836	2835	2849	2850	62	16.0
2617	Setto	2850	2849	2851	2852	62	16.0
2618	Setto	2839	2836	2850	2853	62	16.0
2619	Setto	2853	2850	2852	2854	62	16.0
2620	Setto	2842	2839	2853	2855	62	16.0
2621	Setto	2855	2853	2854	2856	62	16.0
2622	Setto	2845	2842	2855	2857	62	16.0
2623	Setto	2857	2855	2856	2858	62	16.0
2624	Setto	2848	2845	2857	2859	62	16.0
2625	Setto	2859	2857	2858	2860	62	16.0
2626	Setto	2852	2851	2861	2862	62	16.0
2627	Setto	2862	2861	2863	2864	62	16.0
2628	Setto	2854	2852	2862	2865	62	16.0
2629	Setto	2865	2862	2864	2866	62	16.0
2630	Setto	2856	2854	2865	2867	62	16.0
2631	Setto	2867	2865	2866	2868	62	16.0
2632	Setto	2858	2856	2867	2869	62	16.0
2633	Setto	2869	2867	2868	2870	62	16.0
2634	Setto	2860	2858	2869	2871	62	16.0
2635	Setto	2871	2869	2870	2872	62	16.0
2636	Setto	1495	1494	2873	2874	62	16.0
2637	Setto	2874	2873	2875	2876	62	16.0
2638	Setto	2876	2875	2877	2878	62	16.0
2639	Setto	1497	1495	2874	2879	62	16.0
2640	Setto	2879	2874	2876	2880	62	16.0
2641	Setto	2880	2876	2878	2881	62	16.0
2642	Setto	2878	2877	2882	2883	62	16.0
2643	Setto	2883	2882	2884	2885	62	16.0
2644	Setto	2881	2878	2883	2886	62	16.0
2645	Setto	2886	2883	2885	2887	62	16.0
2646	Setto	2885	2884	2888	2889	62	16.0
2647	Setto	2889	2888	2890	2891	62	16.0
2648	Setto	2887	2885	2889	2892	62	16.0
2649	Setto	2892	2889	2891	2893	62	16.0
2650	Setto	1521	1520	2894	2895	62	16.0
2651	Setto	2895	2894	2896	2897	62	16.0
2652	Setto	2897	2896	2898	2899	62	16.0
2653	Setto	1523	1521	2895	2900	62	16.0
2654	Setto	2900	2895	2897	2901	62	16.0
2655	Setto	2901	2897	2899	2902	62	16.0
2656	Setto	1525	1523	2900	2903	62	16.0
2657	Setto	2903	2900	2901	2904	62	16.0
2658	Setto	2904	2901	2902	2905	62	16.0
2659	Setto	2899	2898	2906	2907	62	16.0
2660	Setto	2907	2906	2908	2909	62	16.0
2661	Setto	2902	2899	2907	2910	62	16.0

2662	Setto	2910	2907	2909	2911	62	16.0
2663	Setto	2905	2902	2910	2912	62	16.0
2664	Setto	2912	2910	2911	2913	62	16.0
2665	Setto	2909	2908	2914	2915	62	16.0
2666	Setto	2915	2914	2916	2917	62	16.0
2667	Setto	2911	2909	2915	2918	62	16.0
2668	Setto	2918	2915	2917	2919	62	16.0
2669	Setto	2913	2911	2918	2920	62	16.0
2670	Setto	2921	2918	2919		62	16.0
2671	Setto	2922	2903	1525	1542	62	16.0
2672	Setto	2923	2904	2903	2922	62	16.0
2673	Setto	2924	2905	2904	2923	62	16.0
2674	Setto	2925	2922	1542	1544	62	16.0
2675	Setto	2926	2923	2922	2925	62	16.0
2676	Setto	2927	2924	2923	2926	62	16.0
2677	Setto	2928	2925	1544	1546	62	16.0
2678	Setto	2929	2926	2925	2928	62	16.0
2679	Setto	2930	2927	2926	2929	62	16.0
2680	Setto	2931	2912	2905	2924	62	16.0
2681	Setto	2932	2913	2912	2931	62	16.0
2682	Setto	2933	2931	2924	2927	62	16.0
2683	Setto	2934	2932	2931	2933	62	16.0
2684	Setto	2935	2933	2927	2930	62	16.0
2685	Setto	2936	2934	2933	2935	62	16.0
2686	Setto	2937	2920	2913	2932	62	16.0
2687	Setto	2938	2921	2920	2937	62	16.0
2688	Setto	2939	2937	2932	2934	62	16.0
2689	Setto	2940	2938	2937	2939	62	16.0
2690	Setto	2941	2939	2934	2936	62	16.0
2691	Setto	2942	2940	2939	2941	62	16.0
2692	Setto	3067	2714	1356	1373	62	16.0
2693	Setto	3068	2715	2714	3067	62	16.0
2694	Setto	3069	2716	2715	3068	62	16.0
2695	Setto	3070	2733	2716	3069	62	16.0
2696	Setto	3071	2734	2733	3070	62	16.0
2697	Setto	3072	2751	2734	3071	62	16.0
2698	Setto	2769	2752	2751	3072	62	16.0
2699	Setto	3073	3067	1373	1376	62	16.0
2700	Setto	3074	3068	3067	3073	62	16.0
2701	Setto	3075	3069	3068	3074	62	16.0
2702	Setto	3076	3070	3069	3075	62	16.0
2703	Setto	3077	3071	3070	3076	62	16.0
2704	Setto	3078	3072	3071	3077	62	16.0
2705	Setto	2772	2769	3072	3078	62	16.0
2706	Setto	3079	3073	1376	1379	62	16.0
2707	Setto	3080	3074	3073	3079	62	16.0
2708	Setto	3081	3075	3074	3080	62	16.0
2709	Setto	3082	3076	3075	3081	62	16.0
2710	Setto	3083	3077	3076	3082	62	16.0
2711	Setto	3084	3078	3077	3083	62	16.0
2712	Setto	2775	2772	3078	3084	62	16.0
2713	Setto	3085	3079	1379	1382	62	16.0
2714	Setto	3086	3080	3079	3085	62	16.0
2715	Setto	3087	3081	3080	3086	62	16.0
2716	Setto	3088	3082	3081	3087	62	16.0
2717	Setto	3089	3083	3082	3088	62	16.0
2718	Setto	3090	3084	3083	3089	62	16.0
2719	Setto	2778	2775	3084	3090	62	16.0
2720	Setto	3091	3085	1382	1369	62	16.0
2721	Setto	3092	3086	3085	3091	62	16.0
2722	Setto	3093	3087	3086	3092	62	16.0
2723	Setto	3094	3088	3087	3093	62	16.0
2724	Setto	3095	3089	3088	3094	62	16.0
2725	Setto	3096	3090	3089	3095	62	16.0
2726	Setto	2765	2778	3090	3096	62	16.0
2727	Setto	2754	3091	1369	1370	62	16.0
2728	Setto	2756	3092	3091	2754	62	16.0
2729	Setto	2758	3093	3092	2756	62	16.0
2730	Setto	2760	3094	3093	2758	62	16.0
2731	Setto	2762	3095	3094	2760	62	16.0
2732	Setto	2764	3096	3095	2762	62	16.0
2733	Setto	2766	2765	3096	2764	62	16.0
2734	Setto	3099	1587	194	193	64	16.0
2735	Setto	3100	1588	1587	3099	64	16.0
2736	Setto	1614	3101	154	152	64	16.0

2737	Setto	1616	3102	3101	1614	64	16.0
2738	Setto	3101	3104	3103	154	64	16.0
2739	Setto	3104	3106	3105	3103	64	16.0
2740	Setto	3106	3108	3107	3105	64	16.0
2741	Setto	3108	3099	193	3107	64	16.0
2742	Setto	3102	3109	3104	3101	64	16.0
2743	Setto	3109	3110	3106	3104	64	16.0
2744	Setto	3110	3111	3108	3106	64	16.0
2745	Setto	3111	3100	3099	3108	64	16.0
2746	Setto	3035	3113	3112	3027	64	16.0
2747	Setto	3113	3115	3114	3112	64	16.0
2748	Setto	3115	3117	3116	3114	64	16.0
2749	Setto	3117	3119	3118	3116	64	16.0
2750	Setto	3119	3121	3120	3118	64	16.0
2751	Setto	3121	3008	2997	3120	64	16.0
2752	Setto	3037	3122	3113		64	16.0
2753	Setto	3122	3123	3115	3113	64	16.0
2754	Setto	3123	3124	3117	3115	64	16.0
2755	Setto	3124	3125	3119	3117	64	16.0
2756	Setto	3125	3126	3121	3119	64	16.0
2757	Setto	3121	3009	3008		64	16.0
2758	Setto	3035	3037	3113		64	16.0
2759	Setto	3126	3009	3121		64	16.0
2760	Setto	2998	3128	3127	2988	64	16.0
2761	Setto	3137	3138	3134	3132	64	16.0
2762	Setto	3136	3137	3132	3130	64	16.0
2763	Setto	3135	3136	3130	3128	64	16.0
2764	Setto	3134	2962	2957	3133	64	16.0
2765	Setto	3000	3135	3128		64	16.0
2766	Setto	3132	3134	3133	3131	64	16.0
2767	Setto	3128	3130	3129	3127	64	16.0
2768	Setto	3130	3132	3131	3129	64	16.0
2769	Setto	3134	2963	2962		64	16.0
2770	Setto	2998	3000	3128		64	16.0
2771	Setto	3138	2963	3134		64	16.0
2772	Setto	1568	3139	218	216	64	16.0
2773	Setto	1571	3140	3139		64	16.0
2774	Setto	3139	3142	3141	218	64	16.0
2775	Setto	3142	3144	3143	3141	64	16.0
2776	Setto	3144	3146	3145	3143	64	16.0
2777	Setto	3146	1553	239		64	16.0
2778	Setto	3140	3147	3142	3139	64	16.0
2779	Setto	3147	3148	3144	3142	64	16.0
2780	Setto	3148	3149	3146	3144	64	16.0
2781	Setto	3146	1554	1553		64	16.0
2782	Setto	3149	1554	3146		64	16.0
2783	Setto	1568	1571	3139		64	16.0
2784	Setto	3150	1532	276	275	64	16.0
2785	Setto	3150	1533	1532		64	16.0
2786	Setto	242	3153	3152		64	16.0
2787	Setto	3153	3155	3154	3152	64	16.0
2788	Setto	3155	3157	3156	3154	64	16.0
2789	Setto	3157	3150	275	3156	64	16.0
2790	Setto	1549	3158	3153		64	16.0
2791	Setto	3158	3159	3155	3153	64	16.0
2792	Setto	3159	3160	3157	3155	64	16.0
2793	Setto	3160	3151	3150	3157	64	16.0
2794	Setto	1547	1549	3153		64	16.0
2795	Setto	3151	1533	3150		64	16.0
2796	Setto	2958	3162	3161	2954	64	16.0
2797	Setto	3162	3164	3163	3161	64	16.0
2798	Setto	3164	3166	3165	3163	64	16.0
2799	Setto	3166	3168	3167	3165	64	16.0
2800	Setto	3168	2941	2936	3167	64	16.0
2801	Setto	2960	3169	3162		64	16.0
2802	Setto	3169	3170	3164	3162	64	16.0
2803	Setto	3170	3171	3166	3164	64	16.0
2804	Setto	3171	3172	3168	3166	64	16.0
2805	Setto	3168	2942	2941		64	16.0
2806	Setto	2958	2960	3162		64	16.0
2807	Setto	3172	2942	3168		64	16.0
2808	Setto	312	314	3173	1498	64	16.0
2809	Setto	1500	3173	3174		64	16.0
2810	Setto	314	3175	3176	3173	64	16.0
2811	Setto	3175	3177	3178	3176	64	16.0

2812	Setto	3177	335	1483	3178	64	16.0
2813	Setto	3173	3176	3179	3174	64	16.0
2814	Setto	3176	3178	3180	3179	64	16.0
2815	Setto	3178	1483	1484		64	16.0
2816	Setto	1498	3173	1500		64	16.0
2817	Setto	3180	3178	1484		64	16.0
2818	Setto	2908	3181	3182	2914	64	16.0
2819	Setto	3181	3183	3184	3182	64	16.0
2820	Setto	3183	3185	3186	3184	64	16.0
2821	Setto	3185	2887	2892	3186	64	16.0
2822	Setto	2916	3182	3187		64	16.0
2823	Setto	3182	3184	3188	3187	64	16.0
2824	Setto	3184	3186	3189	3188	64	16.0
2825	Setto	3186	2892	2893		64	16.0
2826	Setto	2914	3182	2916		64	16.0
2827	Setto	3189	3186	2893		64	16.0
2828	Setto	2884	3190	3191	2888	64	16.0
2829	Setto	3190	3192	3193	3191	64	16.0
2830	Setto	3219	708	707	3218	62	16.0
2831	Setto	3218	707	709	3220	62	16.0
2832	Setto	3220	709	710	3221	62	16.0
2833	Setto	3221	710	717	776	62	16.0
2834	Setto	734	2008	2009	764	64	16.0
2835	Setto	2008	2012	2022	2009	64	16.0
2836	Setto	2012	2034	2496	2022	64	16.0
2837	Setto	732	2009	2023		64	16.0
2838	Setto	2009	2022	2025	2023	64	16.0
2839	Setto	2022	2496	2574		64	16.0
2840	Setto	2025	2022	2574		64	16.0
2841	Setto	764	2009	732		64	16.0
2842	Setto	731	2038	2039	733	64	16.0
2843	Setto	2038	2401	2402	2039	64	16.0
2844	Setto	2401	2004	2005	2402	64	16.0
2845	Setto	751	2039	2500		64	16.0
2846	Setto	2039	2402	2501	2500	64	16.0
2847	Setto	2402	2005	2006		64	16.0
2848	Setto	2501	2402	2006		64	16.0
2849	Setto	733	2039	751		64	16.0
2850	Setto	756	3222	3223	767	64	16.0
2851	Setto	3222	3224	3225	3223	64	16.0
2852	Setto	3224	777	2026	3225	64	16.0
2853	Setto	768	3223	3226		64	16.0
2854	Setto	3223	3225	3227	3226	64	16.0
2855	Setto	3225	2026	2027		64	16.0
2856	Setto	3227	3225	2027		64	16.0
2857	Setto	767	3223	768		64	16.0
2858	Setto	2456	2455	2766		62	16.0
2859	Setto	3228	666	665		64	16.0
2860	Setto	684	693	3228	3229	64	16.0
2861	Setto	687	684	3229	3230	64	16.0
2862	Setto	690	687	3230	3231	64	16.0
2863	Setto	681	690	3231	3232	64	16.0
2864	Setto	682	681	3232		64	16.0
2865	Setto	680	3232	3233	678	64	16.0
2866	Setto	3232	3231	3234	3233	64	16.0
2867	Setto	3231	3230	3235	3234	64	16.0
2868	Setto	3230	3229	3236	3235	64	16.0
2869	Setto	3229	3228	3237	3236	64	16.0
2870	Setto	3228	665	650	3237	64	16.0
2871	Setto	693	666	3228		64	16.0
2872	Setto	680	682	3232		64	16.0
2873	Setto	3238	1356	1355		64	16.0
2874	Setto	1376	1373	3238	2413	64	16.0
2875	Setto	1379	1376	2413	2414	64	16.0
2876	Setto	1382	1379	2414	2415	64	16.0
2877	Setto	1369	1382	2415	2498	64	16.0
2878	Setto	1370	1369	2498		64	16.0
2879	Setto	1368	2498	2499	1366	64	16.0
2880	Setto	2498	2415	2047	2499	64	16.0
2881	Setto	2415	2414	775	2047	64	16.0
2882	Setto	2414	2413	766	775	64	16.0
2883	Setto	2413	3238	765	766	64	16.0
2884	Setto	1368	1370	2498		64	16.0
2885	Setto	3238	1355	1338	765	64	16.0
2886	Setto	1373	1356	3238		64	16.0

2887	Setto	3145	3146	239	64	16.0
2888	Setto	1547	3153	242	64	16.0

25 MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

25.1 LEGENDA TABELLA DATI SOLAI-PANNELLI

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

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

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

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

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

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

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

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

Nel caso in cui si sia proceduto alla progettazione dei solai con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale); nel caso in cui si sia proceduto alla progettazione con il metodo degli stati

limite vengono riportati il rapporto x/d e le verifiche per sollecitazioni proporzionali nonché le verifiche in esercizio.

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

Elem.	numero identificativo dell'elemento
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m);
Pos.	Ascissa del punto di verifica
F ist, F infi	Frecce instantanee e a tempo infinito
Momento	Momento flettente
Taglio	Sollecitazione di taglio
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup.	Area di armatura longitudinale posta all'estradosso della trave
AfV	Area dell'armatura atta ad assorbire le azioni di taglio
Beff	Base della sezione di cls per l'assorbimento del taglio
	simboli utilizzati con il metodo delle tensioni ammissibili:
sc max	Massima tensione di compressione del calcestruzzo
sf max	Massima tensione nell'acciaio
tau max	Massima tensione tangenziale nel cls
	simboli utilizzati con il metodo degli stati limite:
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
verif.	rapporto Sd/Su con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
Verif.V	rapporto Sd/Su con sollecitazioni taglianti proporzionali valore minore o uguale a 1 per verifica positiva
rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rFfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni frequenti [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni frequenti [normalizzato a 1]
rFyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

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

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

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

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

ricerca sperimentale condotto dall'Università degli Studi di Padova.
Utilizzabile per il materiale [53].

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

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

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

Elem.	Numero identificativo dell'elemento
Stato	Codice di verifica
Ver. c.c.	Verifica nell'ipotesi di trave appoggiata con carico concentrato in mezzeria
Ver. c.d.	Verifica nell'ipotesi di trave appoggiata con carico distribuito
Ver. c.cin.	Verifica nell'ipotesi di cinematismo con formazione di cerniere plastiche in appoggio e mezzeria
Ver. CIS	Rapporto pa/pr (valore minore o uguale a 1 per verifica positiva)
Z	Quota del baricentro dell'elemento
T1	Periodo proprio dell'edificio nella direzione di interesse (ortogonale al pannello)
Ta	Periodo proprio della parete
Sa	Accelerazione massima, adimensionalizzata allo SLV
pa	Pressione sulla parete causata dall'azione sismica
pr	Pressione resistente del meccanismo ad arco
Drift	Spostamento relativo interpiano allo SLV valutato secondo il D.M. 14.01.2018 - § 7.3.3.3
Beta a	Coef. riduttivo per tener conto del danneggiamento del piano dipendente dallo spostamento, ottenuto sperimentalmente

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

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

ID Arch.	Tipo	G1k	G2k	Qk	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
		kN/ m2	kN/ m2	kN/ m2							
1	Variab.	1.10	1.00	3.00		1.00	0.70	0.70	0.60	0.60	1.00
2	Neve	0.90	0.50	1.20		1.00	0.50	0.20	0.0	0.0	1.00
5	Variab.	1.10	2.40	3.00		1.00	0.70	0.70	0.60	0.60	1.00

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k	G2k	Qk	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
						kN/ m2	kN/ m2	kN/ m2					
1	CM	2	m=78	18.0	90.0	0.90	0.50	1.20	2748	2746	2744	2742	2740
									2738	1231	1230	2634	2636
									2638	2640	2642	2644	2633
									2689	2792	2793	2737	
2	CM	2	m=78	18.0	90.0	0.90	0.50	1.20	2765	2778	2775	2772	2769
									2752	2737	2793	2792	2689
									2633	2674	2676	2678	2680
									2682	2766			
3	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	1850	1852	1854	1856	1884
									1885	1887	1889	1891	1973
									1975	1598	1599	1828	
4	CM	1	m=78	22.0	90.0	1.10	1.00	3.00	1586	1583	1580	1581	1577
									1575	1569	1596	1594	1591
									1574	1606	1467	2128	448

									1428	1426	1424	1214	1342
									1344	1346	1348	1350	1352
									1341	1356	1373	1376	1379
									1382	1369	1370	1997	1999
									2001	2003	2006	2501	2500
									751	2041	2043	2045	
5	CM	5	m=78	22.0	0.0	1.10	2.40	3.00	1065	1063	1061	1059	1057
									1055	1053	21	22	24
									63	66	69	45	46
									48	114	111	108	93
									91	90	941	943	945
									947	949	951	953	955
									957	959	961	1179	1181
									1183	1185	1153	1151	1149
									1147	1110			
6	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	1147	1149	1151	1153	1185
									1183	1181	1179	961	999
									1001	1003	1005	1007	1009
									1121	1119	1117	1115	1113
									1111	1110			
7	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	1189	2046	202	216	218
									3141	3143	3145	239	240
									242	3152	3154	3156	275
									276	278	280	282	308
									310	312	314	3175	3177
									335	336	338	3205	3207
									383	384	386	388	390
									392	394	851	853	855
									857	859	861	863	865
									867	869	871	873	774
									2048	1188			
8	CM	1	m=78	22.0	90.0	1.10	1.00	3.00	1434	1370	1369	1382	1284
									1286	1383			
9	CM	1	m=78	22.0	90.0	1.10	1.00	3.00	1190	682	681	690	687
									684	693	666	458	472
									474	489	490	1249	1253
									1257	591	592	594	596
									598	600	602		
10	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	2037	1610	1611	2036	1429
									1604	1567	1565	1564	1546
									1544	1542	1525	1523	1521
									1520	1497	1495	1494	1476
									1474	1472	1470	1468	1467
									1606	1574	1591	1594	1596
									1569	1575	1577	1581	1580
									1583	1586	2045		
11	CM	2	m=78	18.0	90.0	0.90	0.50	1.20	2412	2410	2408	732	2023
									2025	2574	2480	2460	2458
									2456	2766	2830	2657	
12	CM	1	m=78	22.0	90.0	1.10	1.00	3.00	1293	1396	1397	1341	1352
									1350	531	677	2613	1243
									1245	1234			
13	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	1007	1005	1003	1001	999
									961	959	957	955	953
									951	949	947	945	943
									941	90	146	148	150
									152	154	3103	3105	3107
									193	194	196	198	200
									202	2046	1189	1188	2048
									774	1191	1009		
14	CM	5	m=78	22.0	0.0	1.10	2.40	3.00	1702	1701	1739	1735	1716
									1683	1681	1680	1725	1723
									1721	1662	1660	1648	1943
									1945	1947	1949	1951	1953
									1955	1957	1959	1961	1891
									1889	1887	1885	1884	1856
									1854	1852	1850	1828	1826
									1824	1822	1820	1789	1787
									1785	1783	1781	1779	1777
									1704				
15	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	1975	1973	1891	1961	1959
									1957	1955	1953	1951	1949
									1947	1945	1943	1648	1646
									1644	1642	1641	1613	1433
									445	446	1429	2036	1611

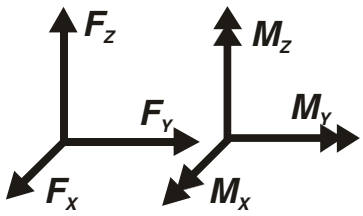
									1610	2037	2045	1261	1598
16	CM	2	m=78	18.0	0.0	0.90	0.50	1.20	2466	2473	2477	2493	2299
									2300	2302	2304	2310	2335
									2337	2994	2995	2263	
17	CM	1	m=78	22.0	90.0	1.10	1.00	3.00	774	772	770	768	3226
									3227	2027	726	724	722
									720	682	1190	1191	
18	CM	2	m=78	18.0	0.0	0.90	0.50	1.20	2261	2259	2179	2177	2397
									2257	2255	2253	2251	2486
									2481	2219	2217	2216	2223
									2200	2181	2355	2353	2215
									2190	2188	2186	3058	3056
									3044	2287	2317	2319	2329
									2341	2445	2453	2461	2307
									2312	2310	2304	2302	2300
									2299	2493	2477	2473	2466
									2263				
19	CM	1	m=78	22.0	90.0	1.10	1.00	3.00	2045	2043	2041	751	2500
									2501	2006	2003	2001	1999
									1997	1370	1434	1261	
20	CM	2	m=78	18.0	90.0	0.90	0.50	1.20	2982	2979	2976	2977	2973
									2971	2965	2992	2990	2987
									2970	3002	2863	2363	2590
									2555	2557	2571	3098	2824
									2822	2820	1231	2738	2740
									2742	2744	2746	2748	2737
									2752	2769	2772	2775	2778
									2765	2766	2456	2458	2460
									2480	2574	2025	2023	732
									2408	2410	2412		
21	CM	2	m=78	18.0	90.0	0.90	0.50	1.20	2766	2682	2779	2830	
22	CM	1	m=78	22.0	90.0	1.10	1.00	3.00	1348	1346	1344	1237	1239
									1241	1243	2613	677	531
									1350				
23	CM	1	m=78	22.0	90.0	1.10	1.00	3.00	1382	1379	1376	1373	1356
									1341	1397	1396	1293	1234
									1278	1280	1282	1284	
24	CM	1	m=78	22.0	90.0	1.10	1.00	3.00	873	871	869	867	865
									863	861	859	857	855
									853	851	394	402	2119
									2121	3211	3213	450	452
									454	456	1380	652	654
									656	658	660	662	458
									666	693	684	687	690
									681	682	720	722	724
									726	2027	3227	3226	768
									770	772	774		
25	CM	2	m=78	18.0	0.0	0.90	0.50	1.20	3006	3007	3240	2825	3000
									3135	3136	3137	3138	2963
									2961	2960	3169	3170	3171
									3172	2942	2940	2938	2921
									2919	2917	2916	3187	3188
									3189	2893	2891	2890	3196
									3197	3198	2872	2870	2868
									2866	2864	2863	3002	2970
									2987	2990	2992	2965	2971
									2973	2977	2976	2979	2982
									2412	3239			
26	CM	2	m=78	18.0	0.0	0.90	0.50	1.20	3042	3040	3038	3037	3122
									3123	3124	3125	3126	3009
									2829	2587	2588	2825	3240
									3007	3006	2412	2994	2337
									2335	2310	2312	2307	2461
									2453	2445	2341	2329	2319
									2317	2287	3044		

26 MODELLAZIONE DELLE AZIONI

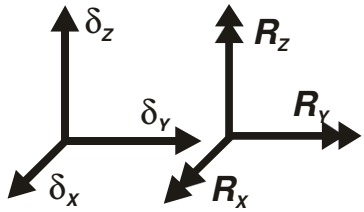
26.1 LEGENDA TABELLA DATI AZIONI

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

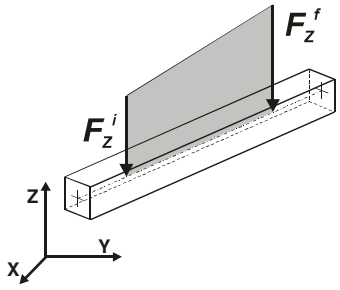
1	**carico concentrato nodale** 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	**spostamento nodale impresso** 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	**carico distribuito globale su elemento tipo trave** 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa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



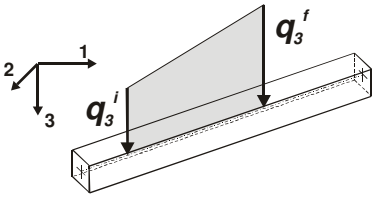
Carico concentrato nodale



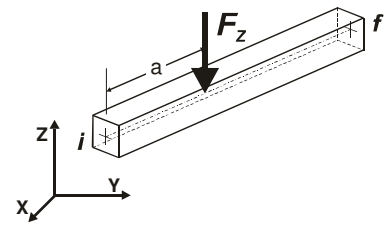
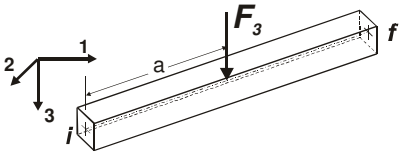
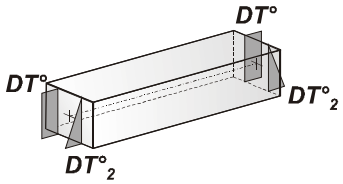
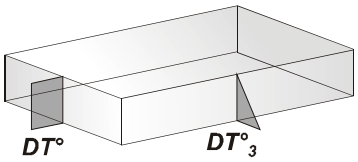
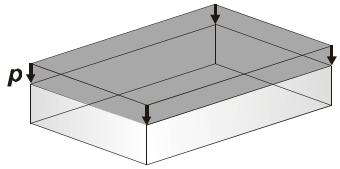
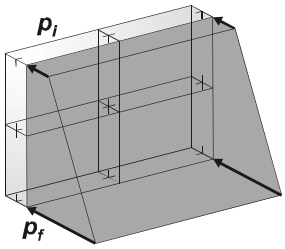
Spostamento impresso



Carico distribuito globale



Carico distribuito locale

 Carico concentrato globale	 Carico concentrato locale
 Carico termico 2D	 Carico termico 3D
 Carico pressione uniforme	 Carico pressione variabile

Tipo	carico di pressione uniforme su piastra

Id	Tipo	pressione
		kN/ m2
7	QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03	0.28
8	QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03	0.28
9	QVK PAN ++ vento*0.4 (pv=1,42)-P3:p= 1.420e-02	1.42
10	QVK PAN -- vento*0.8 (pv=2,84)-P3:p= 2.840e-02	2.84
11	QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03	0.57
12	QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02	1.14
13	QVK PAN ++ vento*0.4 (pv=0,51)-P3:p= 5.100e-03	0.51
14	QVK PAN -- vento*0.8 (pv=1,02)-P3:p= 1.020e-02	1.02
17	QVK PAN ++ vento*0.8 (pv=1,14)-P3:p= 1.140e-02	1.14
18	QVK PAN -- vento*0.4 (pv=0,57)-P3:p= 5.700e-03	0.57
19	QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02	1.02
20	QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03	0.51
21	QVK PAN ++ vento*0.8 (pv=0,70)-P3:p= 7.000e-03	0.70
22	QVK PAN -- vento*0.4 (pv=0,35)-P3:p= 3.500e-03	0.35

27 SCHEMATIZZAZIONE DEI CASI DI CARICO

27.1 LEGENDA TABELLA CASI DI CARICO

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

Sono previsti i seguenti 11 tipi di casi di carico:

	Sigla	*Tipo*	*Descrizione*
1	**Ggk**	A	caso di carico comprensivo del peso proprio struttura
2	**Gk**	NA	caso di carico con azioni permanenti
3	**Qk**	NA	caso di carico con azioni variabili
4	**Gsk**	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	**Qsk**	A	caso di carico comprensivo dei carichi variabili sui solai
6	**Qnk**	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	**Qtk**	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	**Qvk**	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	**Esk**	SA	caso di carico sismico con analisi statica equivalente
10	**Edk**	SA	caso di carico sismico con analisi dinamica

11	**Etk**	NA	caso di carico comprensivo di azioni derivanti dall' incremento di spinta delle terre in condizione sismica
12	**Pk**	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

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

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:
7-Qtk, in quanto richiede solo il valore della variazione termica;
9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

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

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:
Numero Tipo e *Sigla identificativa*, *Valore di riferimento* del caso di carico (se previsto).

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

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

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)	
4	Qsk	CDC=Qsk (variabile solai)	
5	Qnk	CDC=Qnk (carico da neve)	
6	Qvk	CDC=Qvk (carico da vento) dir X +	D3 :da 209 a 236 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 251 a 299 Azione : QVK PAN ++ vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 306 a 317 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 322 a 329 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 334 a 341 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 525 a 526 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 1098 a 1109 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 1110 a 1114 Azione : QVK PAN ++ vento*0.4 (pv=1,42)-P3:p= 1.420e-02
			D3 :da 1129 a 1137 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03

CDC	Tipo	Sigla Id	Note
			D3 :da 1144 a 1149 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 1154 a 1159 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 1164 a 1198 Azione : QVK PAN ++ vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 1213 a 1233 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 1775 a 1802 Azione : QVK PAN ++ vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 : 2033 Azione : QVK PAN ++ vento*0.4 (pv=1,42)-P3:p= 1.420e-02
			D3 : 2034 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 : 2213 Azione : QVK PAN ++ vento*0.4 (pv=1,42)-P3:p= 1.420e-02
			D3 : 2216 Azione : QVK PAN ++ vento*0.4 (pv=1,42)-P3:p= 1.420e-02
			D3 :da 2231 a 2238 Azione : QVK PAN ++ vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 2241 a 2246 Azione : QVK PAN ++ vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 2344 a 2345 Azione : QVK PAN ++ vento*0.4 (pv=1,42)-P3:p= 1.420e-02
			D3 :da 2352 a 2354 Azione : QVK PAN ++ vento*0.4 (pv=1,42)-P3:p= 1.420e-02
			D3 : 2355 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 2472 a 2478 Azione : QVK PAN ++ vento*0.4 (pv=1,42)-P3:p= 1.420e-02
			D3 : 2535 Azione : QVK PAN ++ vento*0.4 (pv=1,42)-P3:p= 1.420e-02
			D3 :da 2536 a 2549 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 2552 a 2574 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 2581 a 2586 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 2591 a 2596 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 2601 a 2635 Azione : QVK PAN ++ vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 2650 a 2670 Azione : QVK PAN ++ vento*0.4 (pv=0,57)-P3:p= 5.700e-03
7	Qvk	CDC=Qvk (carico da vento) dir X -	D3 :da 209 a 236 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 251 a 299 Azione : QVK PAN -- vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 306 a 317 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 322 a 329 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 334 a 341 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 525 a 526 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 1098 a 1109 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 1110 a 1114 Azione : QVK PAN -- vento*0.8 (pv=2,84)-P3:p= 2.840e-02
			D3 :da 1129 a 1137 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 1144 a 1149 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 1154 a 1159 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 1164 a 1198 Azione : QVK PAN -- vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 1213 a 1233 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 1775 a 1802 Azione : QVK PAN -- vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 : 2033 Azione : QVK PAN -- vento*0.8 (pv=2,84)-P3:p= 2.840e-02
			D3 : 2034 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 : 2213 Azione : QVK PAN -- vento*0.8 (pv=2,84)-P3:p= 2.840e-02
			D3 : 2216 Azione : QVK PAN -- vento*0.8 (pv=2,84)-P3:p= 2.840e-02
			D3 :da 2231 a 2238 Azione : QVK PAN -- vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 2241 a 2246 Azione : QVK PAN -- vento*0.8 (pv=1,02)-P3:p= 1.020e-

CDC	Tipo	Sigla Id	Note
			02
			D3 :da 2344 a 2345 Azione : QVK PAN -- vento*0.8 (pv=2,84)-P3:p= 2.840e-02
			D3 :da 2352 a 2354 Azione : QVK PAN -- vento*0.8 (pv=2,84)-P3:p= 2.840e-02
			D3 : 2355 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 2472 a 2478 Azione : QVK PAN -- vento*0.8 (pv=2,84)-P3:p= 2.840e-02
			D3 : 2535 Azione : QVK PAN -- vento*0.8 (pv=2,84)-P3:p= 2.840e-02
			D3 :da 2536 a 2549 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 2552 a 2574 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 2581 a 2586 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 2591 a 2596 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
			D3 :da 2601 a 2635 Azione : QVK PAN -- vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 2650 a 2670 Azione : QVK PAN -- vento*0.8 (pv=1.14)-P3:p= 1.140e-02
8	Qvk	CDC=Qvk (carico da vento) dir Y +	D3 :da 1 a 48 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1 a 48 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 49 a 62 Azione : QVK PAN ++ vento*0.8 (pv=0,70)-P3:p= 7.000e-03
			D3 :da 63 a 82 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 63 a 82 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 83 a 117 Azione : QVK PAN ++ vento*0.8 (pv=0,70)-P3:p= 7.000e-03
			D3 :da 118 a 166 Azione : QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 181 a 208 Azione : QVK PAN ++ vento*0.8 (pv=1,14)-P3:p= 1.140e-02
			D3 :da 300 a 305 Azione : QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 318 a 321 Azione : QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 330 a 333 Azione : QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 1138 a 1143 Azione : QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 1150 a 1153 Azione : QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 1160 a 1163 Azione : QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 1234 a 1254 Azione : QVK PAN ++ vento*0.8 (pv=1,14)-P3:p= 1.140e-02
			D3 :da 1304 a 1345 Azione : QVK PAN ++ vento*0.8 (pv=0,70)-P3:p= 7.000e-03
			D3 :da 1346 a 1413 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1346 a 1413 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1768 a 1774 Azione : QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 1859 a 1886 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1859 a 1886 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1921 a 1927 Azione : QVK PAN ++ vento*0.8 (pv=0,70)-P3:p= 7.000e-03
			D3 :da 1928 a 1955 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1928 a 1955 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1956 a 1962 Azione : QVK PAN ++ vento*0.8 (pv=0,70)-P3:p= 7.000e-03
			D3 :da 2042 a 2044 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2042 a 2044 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03

CDC	Tipo	Sigla Id	Note
			D3 :da 2047 a 2053 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2047 a 2053 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2057 a 2060 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2057 a 2060 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2061 a 2062 Azione : QVK PAN ++ vento*0.8 (pv=0,70)-P3:p= 7.000e-03
			D3 :da 2069 a 2070 Azione : QVK PAN ++ vento*0.8 (pv=0,70)-P3:p= 7.000e-03
			D3 :da 2073 a 2074 Azione : QVK PAN ++ vento*0.8 (pv=0,70)-P3:p= 7.000e-03
			D3 : 2079 Azione : QVK PAN ++ vento*0.8 (pv=0,70)-P3:p= 7.000e-03
			D3 : 2089 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 2089 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 2221 Azione : QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 2225 a 2230 Azione : QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 2249 a 2251 Azione : QVK PAN ++ vento*0.8 (pv=0,70)-P3:p= 7.000e-03
			D3 :da 2285 a 2302 Azione : QVK PAN ++ vento*0.8 (pv=0,70)-P3:p= 7.000e-03
			D3 : 2340 Azione : QVK PAN ++ vento*0.8 (pv=1,14)-P3:p= 1.140e-02
			D3 : 2346 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 2346 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2363 a 2366 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2363 a 2366 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2368 a 2372 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2368 a 2372 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2374 a 2387 Azione : QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 2575 a 2580 Azione : QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 2587 a 2590 Azione : QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 2597 a 2600 Azione : QVK PAN ++ vento*0.8 (pv=1,02)-P3:p= 1.020e-02
			D3 :da 2671 a 2691 Azione : QVK PAN ++ vento*0.8 (pv=1,14)-P3:p= 1.140e-02
9	Qvk	CDC=Qvk (carico da vento) dir Y -	D3 :da 1 a 48 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 49 a 62 Azione : QVK PAN -- vento*0.4 (pv=0,35)-P3:p= 3.500e-03
			D3 :da 63 a 82 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 83 a 117 Azione : QVK PAN -- vento*0.4 (pv=0,35)-P3:p= 3.500e-03
			D3 :da 118 a 166 Azione : QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 181 a 208 Azione : QVK PAN -- vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 :da 300 a 305 Azione : QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 318 a 321 Azione : QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 330 a 333 Azione : QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 1138 a 1143 Azione : QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 1150 a 1153 Azione : QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 1160 a 1163 Azione : QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 1234 a 1254 Azione : QVK PAN -- vento*0.4 (pv=0,57)-P3:p= 5.700e-03

CDC	Tipo	Sigla Id	Note
			D3 :da 1304 a 1345 Azione : QVK PAN -- vento*0.4 (pv=0,35)-P3:p= 3.500e-03
			D3 :da 1346 a 1413 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1768 a 1774 Azione : QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 1859 a 1886 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1921 a 1927 Azione : QVK PAN -- vento*0.4 (pv=0,35)-P3:p= 3.500e-03
			D3 :da 1928 a 1955 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1956 a 1962 Azione : QVK PAN -- vento*0.4 (pv=0,35)-P3:p= 3.500e-03
			D3 :da 2042 a 2044 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2047 a 2053 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2057 a 2060 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2061 a 2062 Azione : QVK PAN -- vento*0.4 (pv=0,35)-P3:p= 3.500e-03
			D3 :da 2069 a 2070 Azione : QVK PAN -- vento*0.4 (pv=0,35)-P3:p= 3.500e-03
			D3 :da 2073 a 2074 Azione : QVK PAN -- vento*0.4 (pv=0,35)-P3:p= 3.500e-03
			D3 : 2079 Azione : QVK PAN -- vento*0.4 (pv=0,35)-P3:p= 3.500e-03
			D3 : 2089 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 2221 Azione : QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 2225 a 2230 Azione : QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 2249 a 2251 Azione : QVK PAN -- vento*0.4 (pv=0,35)-P3:p= 3.500e-03
			D3 :da 2285 a 2302 Azione : QVK PAN -- vento*0.4 (pv=0,35)-P3:p= 3.500e-03
			D3 : 2340 Azione : QVK PAN -- vento*0.4 (pv=0,57)-P3:p= 5.700e-03
			D3 : 2346 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2363 a 2366 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2368 a 2372 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2374 a 2387 Azione : QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 2575 a 2580 Azione : QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 2587 a 2590 Azione : QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 2597 a 2600 Azione : QVK PAN -- vento*0.4 (pv=0,51)-P3:p= 5.100e-03
			D3 :da 2671 a 2691 Azione : QVK PAN -- vento*0.4 (pv=0,57)-P3:p= 5.700e-03
10	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)
			partecipazione:1.00 per 4 CDC=Qsk (variabile solai)
			partecipazione:1.00 per 5 CDC=Qnk (carico da neve)
11	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. -)	come precedente CDC sismico
12	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. +)	come precedente CDC sismico
13	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. -)	come precedente CDC sismico
14	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
15	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
16	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
17	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
18	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	come precedente CDC sismico
19	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
20	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
21	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
22	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. +)	come precedente CDC sismico
23	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. -)	come precedente CDC sismico
24	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. +)	come precedente CDC sismico
25	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. -)	come precedente CDC sismico

28 DEFINIZIONE DELLE COMBINAZIONI

28.1 LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente.
Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

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

Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni:
Combinazione fondamentale SLU
$\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \ldots$
Combinazione caratteristica (rara) SLE
$G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \ldots$
Combinazione frequente SLE
$G1 + G2 + P + \psi 11 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$
Combinazione quasi permanente SLE
$G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$
Combinazione sismica, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E
$E + G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$
Combinazione eccezionale, impiegata per gli stati limite connessi alle azioni eccezionali
$G1 + G2 + Ad + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	***ψ0***	***ψ1***	***ψ2***
Categoria A residenziali	*0,70*	*0,50*	*0,30*
Categoria B uffici	*0,70*	*0,50*	*0,30*
Categoria C ambienti suscettibili di affollamento	*0,70*	*0,70*	*0,60*
Categoria D ambienti ad uso commerciale	*0,70*	*0,70*	*0,60*
Categoria E biblioteche, archivi, magazzini,…	*1,00*	*0,90*	*0,80*
Categoria F Rimesse e parcheggi (autoveicoli <= 30kN)	*0,70*	*0,70*	*0,60*
Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	*0,70*	*0,50*	*0,30*
Categoria H Coperture	*0,00*	*0,00*	*0,00*
Vento	*0,60*	*0,20*	*0,00*
Neve a quota <= 1000 m	*0,50*	*0,20*	*0,00*
Neve a quota > 1000 m	*0,70*	*0,50*	*0,20*
Variazioni Termiche	*0,60*	*0,50*	*0,00*

Nelle verifiche possono essere adottati in alternativa due diversi approcci progettuali:
- per l'approccio 1 si considerano due diverse combinazioni di gruppi di coefficienti di sicurezza parziali per le azioni, per i materiali e per la resistenza globale (combinazione 1 con coefficienti A1 e combinazione 2 con coefficienti A2),

- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2018 Tabella 2.6.I

		Coefficiente γf	***EQU***	***A1***	***A2***
Carichi permanenti	*Favorevoli* *Sfavorevoli*	$\gamma G1$	*0,9* *1,1*	*1,0* *1,3*	*1,0* *1,0*
Carichi permanenti non strutturali (Non compiutamente definiti)	*Favorevoli* *Sfavorevoli*	$\gamma G2$	*0,8* *1,5*	*0,8* *1,5*	*0,8* *1,3*
Carichi variabili	*Favorevoli* *Sfavorevoli*	γQj	*0,0* *1,5*	*0,0* *1,5*	*0,0* *1,3*

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

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

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

Cmb	Tipo	Sigla Id	effetto P-delta
200	SLU	Comb. SLU A1 (SLV sism.) 200	
201	SLU	Comb. SLU A1 (SLV sism.) 201	
202	SLU	Comb. SLU A1 (SLV sism.) 202	
203	SLU	Comb. SLU A1 (SLV sism.) 203	
204	SLU	Comb. SLU A1 (SLV sism.) 204	
205	SLU	Comb. SLU A1 (SLV sism.) 205	
206	SLU	Comb. SLU A1 (SLV sism.) 206	
207	SLU	Comb. SLU A1 (SLV sism.) 207	
208	SLU	Comb. SLU A1 (SLV sism.) 208	
209	SLU	Comb. SLU A1 (SLC sism.) 209	
210	SLU	Comb. SLU A1 (SLC sism.) 210	
211	SLU	Comb. SLU A1 (SLC sism.) 211	
212	SLU	Comb. SLU A1 (SLC sism.) 212	
213	SLU	Comb. SLU A1 (SLC sism.) 213	
214	SLU	Comb. SLU A1 (SLC sism.) 214	
215	SLU	Comb. SLU A1 (SLC sism.) 215	
216	SLU	Comb. SLU A1 (SLC sism.) 216	
217	SLU	Comb. SLU A1 (SLC sism.) 217	
218	SLU	Comb. SLU A1 (SLC sism.) 218	
219	SLU	Comb. SLU A1 (SLC sism.) 219	
220	SLU	Comb. SLU A1 (SLC sism.) 220	
221	SLU	Comb. SLU A1 (SLC sism.) 221	
222	SLU	Comb. SLU A1 (SLC sism.) 222	
223	SLU	Comb. SLU A1 (SLC sism.) 223	
224	SLU	Comb. SLU A1 (SLC sism.) 224	
225	SLU	Comb. SLU A1 (SLC sism.) 225	
226	SLU	Comb. SLU A1 (SLC sism.) 226	
227	SLU	Comb. SLU A1 (SLC sism.) 227	
228	SLU	Comb. SLU A1 (SLC sism.) 228	
229	SLU	Comb. SLU A1 (SLC sism.) 229	
230	SLU	Comb. SLU A1 (SLC sism.) 230	
231	SLU	Comb. SLU A1 (SLC sism.) 231	
232	SLU	Comb. SLU A1 (SLC sism.) 232	
233	SLU	Comb. SLU A1 (SLC sism.) 233	
234	SLU	Comb. SLU A1 (SLC sism.) 234	
235	SLU	Comb. SLU A1 (SLC sism.) 235	
236	SLU	Comb. SLU A1 (SLC sism.) 236	
237	SLU	Comb. SLU A1 (SLC sism.) 237	
238	SLU	Comb. SLU A1 (SLC sism.) 238	
239	SLU	Comb. SLU A1 (SLC sism.) 239	
240	SLU	Comb. SLU A1 (SLC sism.) 240	
241	SLE(r)	Comb. SLE(rara) 241	
242	SLE(r)	Comb. SLE(rara) 242	
243	SLE(r)	Comb. SLE(rara) 243	
244	SLE(r)	Comb. SLE(rara) 244	
245	SLE(r)	Comb. SLE(rara) 245	
246	SLE(r)	Comb. SLE(rara) 246	
247	SLE(r)	Comb. SLE(rara) 247	
248	SLE(r)	Comb. SLE(rara) 248	
249	SLE(r)	Comb. SLE(rara) 249	
250	SLE(r)	Comb. SLE(rara) 250	
251	SLE(r)	Comb. SLE(rara) 251	
252	SLE(r)	Comb. SLE(rara) 252	
253	SLE(r)	Comb. SLE(rara) 253	
254	SLE(r)	Comb. SLE(rara) 254	
255	SLE(r)	Comb. SLE(rara) 255	
256	SLE(r)	Comb. SLE(rara) 256	
257	SLE(r)	Comb. SLE(rara) 257	
258	SLE(r)	Comb. SLE(rara) 258	
259	SLE(r)	Comb. SLE(rara) 259	
260	SLE(r)	Comb. SLE(rara) 260	
261	SLE(r)	Comb. SLE(rara) 261	
262	SLE(r)	Comb. SLE(rara) 262	
263	SLE(r)	Comb. SLE(rara) 263	
264	SLE(r)	Comb. SLE(rara) 264	
265	SLE(r)	Comb. SLE(rara) 265	
266	SLE(r)	Comb. SLE(rara) 266	
267	SLE(r)	Comb. SLE(rara) 267	
268	SLE(r)	Comb. SLE(rara) 268	
269	SLE(r)	Comb. SLE(rara) 269	
270	SLE(r)	Comb. SLE(rara) 270	
271	SLE(r)	Comb. SLE(rara) 271	

Cmb	Tipo	Sigla Id	effetto P-delta
272	SLE(r)	Comb. SLE(rara) 272	
273	SLE(r)	Comb. SLE(rara) 273	
274	SLE(r)	Comb. SLE(rara) 274	
275	SLE(r)	Comb. SLE(rara) 275	
276	SLE(r)	Comb. SLE(rara) 276	
277	SLE(r)	Comb. SLE(rara) 277	
278	SLE(r)	Comb. SLE(rara) 278	
279	SLE(r)	Comb. SLE(rara) 279	
280	SLE(r)	Comb. SLE(rara) 280	
281	SLE(r)	Comb. SLE(rara) 281	
282	SLE(r)	Comb. SLE(rara) 282	
283	SLE(r)	Comb. SLE(rara) 283	
284	SLE(r)	Comb. SLE(rara) 284	
285	SLE(r)	Comb. SLE(rara) 285	
286	SLE(r)	Comb. SLE(rara) 286	
287	SLE(r)	Comb. SLE(rara) 287	
288	SLE(r)	Comb. SLE(rara) 288	
289	SLE(r)	Comb. SLE(rara) 289	
290	SLE(r)	Comb. SLE(rara) 290	
291	SLE(r)	Comb. SLE(rara) 291	
292	SLE(r)	Comb. SLE(rara) 292	
293	SLE(r)	Comb. SLE(rara) 293	
294	SLE(r)	Comb. SLE(rara) 294	
295	SLE(r)	Comb. SLE(rara) 295	
296	SLE(r)	Comb. SLE(rara) 296	
297	SLE(f)	Comb. SLE(freq.) 297	
298	SLE(f)	Comb. SLE(freq.) 298	
299	SLE(f)	Comb. SLE(freq.) 299	
300	SLE(f)	Comb. SLE(freq.) 300	
301	SLE(f)	Comb. SLE(freq.) 301	
302	SLE(f)	Comb. SLE(freq.) 302	
303	SLE(f)	Comb. SLE(freq.) 303	
304	SLE(f)	Comb. SLE(freq.) 304	
305	SLE(f)	Comb. SLE(freq.) 305	
306	SLE(f)	Comb. SLE(freq.) 306	
307	SLE(f)	Comb. SLE(freq.) 307	
308	SLE(f)	Comb. SLE(freq.) 308	
309	SLE(p)	Comb. SLE(perm.) 310	
310	SLE(p)	Comb. SLE(perm.) 311	

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

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

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
51	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
52	1.30	1.30	1.50	1.50	0.75	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
53	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
54	1.00	1.00	0.80	0.0	0.75	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
55	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
56	1.00	1.00	0.80	1.50	0.75	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
57	1.30	1.30	1.50	0.0	1.50	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
58	1.30	1.30	1.50	1.05	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
59	1.30	1.30	1.50	1.05	1.50	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
60	1.00	1.00	0.80	0.0	1.50	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
61	1.00	1.00	0.80	1.05	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
62	1.00	1.00	0.80	1.05	1.50	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
63	1.30	1.30	1.50	1.05	0.75	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
64	1.00	1.00	0.80	1.05	0.75	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
65	1.30	1.30	1.50	0.0	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
66	1.30	1.30	1.50	0.0	0.75	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
67	1.30	1.30	1.50	1.05	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
68	1.30	1.30	1.50	1.05	0.75	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
69	1.00	1.00	0.80	0.0	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
70	1.00	1.00	0.80	0.0	0.75	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
71	1.00	1.00	0.80	1.05	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
72	1.00	1.00	0.80	1.05	0.75	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
73	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
74	1.30	1.30	1.50	0.0	0.75	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
75	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
76	1.30	1.30	1.50	1.50	0.75	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
77	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
78	1.00	1.00	0.80	0.0	0.75	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
79	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
80	1.00	1.00	0.80	1.50	0.75	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
81	1.30	1.30	1.50	0.0	1.50	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
82	1.30	1.30	1.50	1.05	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
83	1.30	1.30	1.50	1.05	1.50	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
84	1.00	1.00	0.80	0.0	1.50	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
85	1.00	1.00	0.80	1.05	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
86	1.00	1.00	0.80	1.05	1.50	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
87	1.30	1.30	1.50	1.05	0.75	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
88	1.00	1.00	0.80	1.05	0.75	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
89	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
90	1.30	1.30	1.50	0.0	0.75	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
91	1.30	1.30	1.50	1.05	0.0	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
92	1.30	1.30	1.50	1.05	0.75	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
93	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
94	1.00	1.00	0.80	0.0	0.75	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
95	1.00	1.00	0.80	1.05	0.0	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
96	1.00	1.00	0.80	1.05	0.75	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
97	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
98	1.30	1.30	1.50	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
99	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
100	1.30	1.30	1.50	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
101	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
102	1.00	1.00	0.80	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
103	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
104	1.00	1.00	0.80	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
105	1.30	1.30	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
106	1.30	1.30	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
107	1.30	1.30	1.50	1.05	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
108	1.00	1.00	0.80	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
109	1.00	1.00	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
110	1.00	1.00	0.80	1.05	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
111	1.30	1.30	1.50	1.05	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
112	1.00	1.00	0.80	1.05	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
113	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
114	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
115	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
116	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
117	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
118	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
119	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
120	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
121	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
122	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
123	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
124	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
125	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
126	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
127	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
128	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
129	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
130	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
131	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
132	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
133	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
134	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
135	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
136	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
137	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
138	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
139	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
140	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
141	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
142	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
143	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
144	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
145	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00
	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
146	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00
	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
147	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
148	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
149	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00
	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
150	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00
	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
151	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
152	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
153	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
154	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
155	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
156	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
157	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
158	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
159	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
160	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
161	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30
	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
162	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30
	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
163	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
164	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
165	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
166	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
167	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
168	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
169	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30
	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
170	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30
	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
171	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
172	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
173	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
174	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
175	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
176	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
177	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0			
178	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0			
179	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0			
180	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0			
181	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0			
182	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0			
183	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0			
184	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0			
185	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0			
186	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0			
187	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0			
188	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0			
189	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0			
190	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0			
191	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0			
192	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0			
193	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0			
194	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0			
195	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0			
196	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0			
197	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0			
198	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0			
199	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0			
200	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0			
201	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0			
202	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0			
203	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0			
204	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0			
205	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0			
206	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0			
207	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0			
208	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0			
209	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0			
210	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0			
211	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0			
212	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0			
213	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30			
214	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30			
215	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30			
216	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30			
217	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0			
218	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0			
219	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0			
220	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0			
221	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30			
222	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30			
223	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30			
224	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30			
225	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0			
226	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0			
227	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0			

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
228	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0			
229	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0			
230	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0			
231	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0			
232	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0			
233	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00			
234	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00			
235	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00			
236	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00			
237	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00			
238	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00			
239	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00			
240	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00			
241	1.00	1.00	1.00	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
242	1.00	1.00	1.00	0.0	0.50	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
243	1.00	1.00	1.00	1.00	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
244	1.00	1.00	1.00	1.00	0.50	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
245	1.00	1.00	1.00	0.0	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
246	1.00	1.00	1.00	0.70	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
247	1.00	1.00	1.00	0.70	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
248	1.00	1.00	1.00	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
249	1.00	1.00	1.00	0.0	0.50	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
250	1.00	1.00	1.00	0.70	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
251	1.00	1.00	1.00	0.70	0.50	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
252	1.00	1.00	1.00	0.70	0.50	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
253	1.00	1.00	1.00	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
254	1.00	1.00	1.00	0.0	0.50	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
255	1.00	1.00	1.00	1.00	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
256	1.00	1.00	1.00	1.00	0.50	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
257	1.00	1.00	1.00	0.0	1.00	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
258	1.00	1.00	1.00	0.70	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
259	1.00	1.00	1.00	0.70	1.00	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
260	1.00	1.00	1.00	0.70	0.50	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
261	1.00	1.00	1.00	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
262	1.00	1.00	1.00	0.0	0.50	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
263	1.00	1.00	1.00	0.70	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
264	1.00	1.00	1.00	0.70	0.50	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
265	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
266	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
267	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
268	1.00	1.00	1.00	1.00	0.50	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
269	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
270	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
271	1.00	1.00	1.00	0.70	1.00	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
272	1.00	1.00	1.00	0.70	0.50	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
273	1.00	1.00	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
274	1.00	1.00	1.00	0.0	0.50	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
275	1.00	1.00	1.00	0.70	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
276	1.00	1.00	1.00	0.70	0.50	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
277	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
278	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
279	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
280	1.00	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
281	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
282	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
283	1.00	1.00	1.00	0.70	1.00	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
284	1.00	1.00	1.00	0.70	0.50	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
285	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
286	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
287	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
288	1.00	1.00	1.00	0.70	0.50	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
289	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
290	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
291	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
292	1.00	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
293	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
294	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
295	1.00	1.00	1.00	0.70	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
296	1.00	1.00	1.00	0.70	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
297	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
298	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
299	1.00	1.00	1.00	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
300	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
301	1.00	1.00	1.00	0.60	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
302	1.00	1.00	1.00	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
303	1.00	1.00	1.00	0.60	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
304	1.00	1.00	1.00	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
305	1.00	1.00	1.00	0.60	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
306	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
307	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
308	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
309	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
310	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

29 AZIONE SISMICA

29.1 VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.
Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito http://esse1.mi.ingv.it/. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

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

ag: accelerazione orizzontale massima del terreno;

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

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

29.1.1 PARAMETRI DELLA STRUTTURA

Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
III	50.0	1.5	75.0	C	T1

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

S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente S = Ss*St (3.2.3)

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

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

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

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

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

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

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

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

30 RISULTATI ANALISI SISMICHE

30.1 LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

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

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

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

Angolo di ingresso	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
Zona sismica	Zona sismica
Accelerazione ag	Accelerazione orizzontale massima sul suolo
Categoria suolo	Categoria di profilo stratigrafico del suolo di fondazione
Fattore q	Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
Fattore di sito S	Fattore dipendente dalla stratigrafia e dal profilo topografico

Classe di duttilità CD	Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	Periodo proprio di vibrazione della struttura
Coefficiente Lambda	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
Ordinata spettro S (Tb-Tc)	Valore dell' ordinata dello spettro in uso nel tratto costante
numero di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

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

c) **analisi sismica statica equivalente**:
- quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
- azione sismica complessiva

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

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità 1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

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

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare 619/2009 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.
Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.
In particolare la tabella, per ogni combinazione di calcolo, riporta:

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

Affinché la verifica sia positiva deve essere:

7) V > 0
8) Sig s < fyk
9) Gam t < 5
10) Gam s < Gam * (caratteristica dell' elastomero)
11) Gam s < 2
12) V < 0.5 Vcr

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

Test N°	Titolo
23	DM 2008: SPETTRO
29	SISMICA 1000/H, SOMMA V, EFFETTO P-¤
30	ANALISI DI UN EDIFICIO CON ISOLATORI SISMICI
70	MASSE SISMICHE
75	PROGETTO DI ISOLATORI ELASTOMERICI
76	VERIFICA DI ISOLATORI ELASTOMERICI
77	VERIFICA DI ISOLATORI FRICTION PENDULUM

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.298 sec.
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	0.0	-1.03	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	0.0	-1.03	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	0.0	-1.03	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	0.0	-1.03	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	0.0	-1.03	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	0.0	-1.03	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	0.0	-1.03	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	0.0	-1.03	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	0.0	-1.03	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	0.0	-1.03	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	0.0	-1.03	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	0.0	-1.03	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	0.0	-1.03	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	0.0	-1.03	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	0.0	-1.03	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	0.0	-1.03	7.97	9.58	0.678	0.616	0.216

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
2.50	26.85	12.38	7.70	0.0	-1.03	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	0.0	-1.03	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	0.0	-1.03	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	0.0	-1.03	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	0.0	-1.03	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.049	0.328	0.338	241.55	6.9	2621.67	74.6	0.41	1.16e-02	0.0	0.0
2	3.355	0.298	0.369	2710.52	77.1	321.79	9.2	0.69	1.97e-02	0.0	0.0
3	4.122	0.243	0.350	7.51	0.2	0.78	2.21e-02	22.60	0.6	0.0	0.0
4	4.541	0.220	0.283	3.55	0.1	0.22	6.16e-03	6.05	0.2	0.0	0.0
5	4.678	0.214	0.274	163.59	4.7	113.61	3.2	0.70	1.99e-02	0.0	0.0
6	5.765	0.173	0.235	0.08	2.18e-03	2.14	6.09e-02	26.25	0.7	0.0	0.0
7	5.930	0.169	0.232	0.13	3.70e-03	12.87	0.4	38.74	1.1	0.0	0.0
8	6.172	0.162	0.228	0.05	1.52e-03	2.79	7.92e-02	0.02	6.64e-04	0.0	0.0
9	6.581	0.152	0.222	4.65	0.1	0.02	5.71e-04	22.36	0.6	0.0	0.0
10	6.915	0.145	0.217	1.39	3.94e-02	6.89	0.2	24.62	0.7	0.0	0.0
11	7.981	0.125	0.201	0.70	2.00e-02	114.43	3.3	3.78	0.1	0.0	0.0
12	8.201	0.122	0.198	5.01	0.1	74.30	2.1	21.66	0.6	0.0	0.0
13	8.320	0.120	0.197	2.52	7.16e-02	133.48	3.8	2.40	6.83e-02	0.0	0.0
14	8.755	0.114	0.206	28.42	0.8	0.23	6.52e-03	5.92	0.2	0.0	0.0
15	8.909	0.112	0.209	256.53	7.3	0.48	1.36e-02	0.63	1.79e-02	0.0	0.0
16	9.469	0.106	0.220	2.06	5.86e-02	4.75	0.1	9.55	0.3	0.0	0.0
17	11.346	0.088	0.207	0.21	5.84e-03	38.92	1.1	4.00e-03	1.14e-04	0.0	0.0
18	12.353	0.081	0.193	11.16	0.3	10.05	0.3	0.02	6.52e-04	0.0	0.0
19	12.718	0.079	0.188	5.96	0.2	0.12	3.40e-03	2.39	6.81e-02	0.0	0.0
20	13.036	0.077	0.184	1.82	5.17e-02	0.05	1.29e-03	4.56	0.1	0.0	0.0
21	13.754	0.073	0.175	4.89	0.1	0.13	3.73e-03	0.07	1.92e-03	0.0	0.0
22	15.021	0.067	0.161	0.03	9.55e-04	0.70	1.98e-02	0.02	5.19e-04	0.0	0.0
23	15.237	0.066	0.159	6.51	0.2	1.65e-06	0.0	0.02	4.54e-04	0.0	0.0
24	17.088	0.059	0.144	0.50	1.42e-02	3.60	0.1	0.54	1.54e-02	0.0	0.0
25	19.733	0.051	0.134	6.58	0.2	3.16	8.98e-02	35.24	1.0	0.0	0.0
26	20.612	0.049	0.131	0.54	1.55e-02	0.16	4.41e-03	197.68	5.6	0.0	0.0
27	21.433	0.047	0.129	0.29	8.20e-03	2.49	7.09e-02	5.93	0.2	0.0	0.0
28	22.675	0.044	0.126	0.15	4.36e-03	0.23	6.59e-03	231.98	6.6	0.0	0.0
29	24.331	0.041	0.122	6.87	0.2	2.75	7.81e-02	3.76e-04	1.07e-05	0.0	0.0
30	24.850	0.040	0.121	2.25	6.39e-02	6.17	0.2	3.94	0.1	0.0	0.0
31	29.058	0.034	0.119	1.51e-04	4.30e-06	0.03	9.63e-04	852.98	24.3	0.0	0.0
32	37.029	0.027	0.118	4.60	0.1	1.39	3.96e-02	7.61	0.2	0.0	0.0
33	39.908	0.025	0.117	1.09	3.09e-02	4.29	0.1	5.50	0.2	0.0	0.0
34	41.630	0.024	0.117	4.22e-03	1.20e-04	0.06	1.71e-03	1365.94	38.8	0.0	0.0
35	74.105	0.013	0.116	0.05	1.51e-03	0.47	1.32e-02	489.96	13.9	0.0	0.0
36	81.401	0.012	0.116	8.95	0.3	18.10	0.5	7.37	0.2	0.0	0.0
37	83.258	0.012	0.116	20.28	0.6	8.00	0.2	0.60	1.72e-02	0.0	0.0
Risulta				3510.99		3511.30		3398.74			
In percentuale				99.85		99.85		96.65			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.291 sec.
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	0.0	1.03	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	0.0	1.03	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	0.0	1.03	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	0.0	1.03	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	0.0	1.03	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	0.0	1.03	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	0.0	1.03	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	0.0	1.03	5.88	12.71	0.929	0.724	0.669

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
6.50	26.87	12.32	7.74	0.0	1.03	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	0.0	1.03	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	0.0	1.03	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	0.0	1.03	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	0.0	1.03	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	0.0	1.03	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	0.0	1.03	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	0.0	1.03	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	0.0	1.03	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	0.0	1.03	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	0.0	1.03	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	0.0	1.03	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	0.0	1.03	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.066	0.326	0.342	2.41	6.84e-02	2883.23	82.0	0.62	1.77e-02	0.0	0.0
2	3.440	0.291	0.361	3125.96	88.9	1.39	3.94e-02	0.42	1.21e-02	0.0	0.0
3	4.118	0.243	0.351	1.67	4.76e-02	0.92	2.61e-02	22.40	0.6	0.0	0.0
4	4.357	0.230	0.313	2.78	7.92e-02	168.31	4.8	0.31	8.92e-03	0.0	0.0
5	4.543	0.220	0.283	0.37	1.05e-02	2.68	7.63e-02	6.59	0.2	0.0	0.0
6	5.765	0.173	0.235	0.05	1.33e-03	2.22	6.32e-02	26.25	0.7	0.0	0.0
7	5.929	0.169	0.232	0.03	9.27e-04	12.31	0.4	38.52	1.1	0.0	0.0
8	6.167	0.162	0.228	1.89e-05	0.0	2.53	7.19e-02	0.01	3.44e-04	0.0	0.0
9	6.571	0.152	0.222	5.30	0.2	1.71e-03	4.85e-05	23.25	0.7	0.0	0.0
10	6.912	0.145	0.217	1.37	3.89e-02	7.31	0.2	24.18	0.7	0.0	0.0
11	7.983	0.125	0.201	0.01	3.92e-04	112.78	3.2	4.11	0.1	0.0	0.0
12	8.209	0.122	0.198	0.56	1.59e-02	81.35	2.3	21.11	0.6	0.0	0.0
13	8.311	0.120	0.197	5.64	0.2	126.08	3.6	2.73	7.75e-02	0.0	0.0
14	8.747	0.114	0.206	9.70	0.3	1.70	4.85e-02	6.49	0.2	0.0	0.0
15	9.333	0.107	0.217	237.32	6.7	5.52	0.2	0.73	2.09e-02	0.0	0.0
16	9.490	0.105	0.220	47.57	1.4	1.74	4.95e-02	8.56	0.2	0.0	0.0
17	11.285	0.089	0.207	0.03	8.90e-04	44.85	1.3	9.03e-03	2.57e-04	0.0	0.0
18	11.789	0.085	0.200	0.42	1.18e-02	1.09	3.10e-02	2.25e-03	6.39e-05	0.0	0.0
19	12.164	0.082	0.195	5.98	0.2	0.03	8.87e-04	8.17e-03	2.32e-04	0.0	0.0
20	12.912	0.077	0.185	1.23	3.51e-02	5.57e-03	1.58e-04	6.82	0.2	0.0	0.0
21	13.569	0.074	0.177	7.68	0.2	0.43	1.22e-02	0.15	4.13e-03	0.0	0.0
22	15.613	0.064	0.155	2.63	7.48e-02	4.38	0.1	0.57	1.62e-02	0.0	0.0
23	16.248	0.062	0.149	5.40	0.2	1.43	4.06e-02	0.44	1.27e-02	0.0	0.0
24	16.672	0.060	0.146	1.82e-03	5.17e-05	3.48	9.91e-02	0.40	1.13e-02	0.0	0.0
25	17.837	0.056	0.141	0.39	1.12e-02	0.33	9.43e-03	3.67	0.1	0.0	0.0
26	19.484	0.051	0.135	1.53	4.35e-02	0.29	8.33e-03	8.08	0.2	0.0	0.0
27	21.062	0.047	0.130	0.24	6.82e-03	1.55e-05	0.0	356.08	10.1	0.0	0.0
28	22.842	0.044	0.125	2.35	6.69e-02	6.01	0.2	15.57	0.4	0.0	0.0
29	23.915	0.042	0.123	5.79	0.2	4.28	0.1	5.28	0.2	0.0	0.0
30	26.310	0.038	0.120	2.87	8.16e-02	1.32	3.76e-02	189.61	5.4	0.0	0.0
31	28.674	0.035	0.119	0.89	2.54e-02	0.58	1.64e-02	650.99	18.5	0.0	0.0
32	35.930	0.028	0.118	0.59	1.69e-02	4.55	0.1	40.76	1.2	0.0	0.0
33	39.241	0.025	0.117	1.37	3.89e-02	0.09	2.59e-03	917.38	26.1	0.0	0.0
34	44.393	0.023	0.117	2.11	6.01e-02	0.87	2.46e-02	492.58	14.0	0.0	0.0
35	70.860	0.014	0.116	1.32	3.76e-02	1.43	4.06e-02	481.69	13.7	0.0	0.0
36	79.579	0.013	0.116	4.62	0.1	22.09	0.6	6.88	0.2	0.0	0.0
37	85.730	0.012	0.116	22.99	0.7	3.22	9.15e-02	27.84	0.8	0.0	0.0
Risulta				3511.19		3510.84		3391.07			
In percentuale				99.85		99.84		96.44			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.336 sec.
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	1.03	0.0	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	1.03	0.0	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	1.03	0.0	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	1.03	0.0	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	1.03	0.0	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	1.03	0.0	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	1.03	0.0	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	1.03	0.0	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	1.03	0.0	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	1.03	0.0	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	1.03	0.0	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	1.03	0.0	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	1.03	0.0	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	1.03	0.0	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	1.03	0.0	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	1.03	0.0	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	1.03	0.0	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	1.03	0.0	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	1.03	0.0	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	2.974	0.336	0.318	59.91	1.7	2743.06	78.0	0.47	1.33e-02	0.0	0.0
2	3.422	0.292	0.363	3026.01	86.1	83.58	2.4	0.59	1.68e-02	0.0	0.0
3	4.121	0.243	0.351	5.65	0.2	3.13e-03	8.91e-05	22.76	0.6	0.0	0.0
4	4.540	0.220	0.283	1.65	4.69e-02	1.59	4.54e-02	6.10	0.2	0.0	0.0
5	4.692	0.213	0.273	36.65	1.0	224.04	6.4	0.38	1.08e-02	0.0	0.0
6	5.688	0.176	0.237	0.03	7.55e-04	3.68	0.1	0.03	9.22e-04	0.0	0.0
7	5.765	0.173	0.235	0.05	1.39e-03	2.30	6.54e-02	26.28	0.7	0.0	0.0
8	5.931	0.169	0.232	0.09	2.66e-03	13.96	0.4	38.92	1.1	0.0	0.0
9	6.577	0.152	0.222	4.95	0.1	2.81e-04	8.00e-06	22.77	0.6	0.0	0.0
10	6.910	0.145	0.217	1.25	3.55e-02	9.87	0.3	23.97	0.7	0.0	0.0
11	7.859	0.127	0.203	0.46	1.32e-02	246.79	7.0	0.35	9.96e-03	0.0	0.0
12	8.131	0.123	0.199	0.14	3.92e-03	54.36	1.5	15.92	0.5	0.0	0.0
13	8.267	0.121	0.197	4.83	0.1	15.22	0.4	11.86	0.3	0.0	0.0
14	8.755	0.114	0.206	10.46	0.3	0.68	1.95e-02	6.48	0.2	0.0	0.0
15	9.156	0.109	0.214	271.74	7.7	0.01	3.66e-04	4.41e-03	1.26e-04	0.0	0.0
16	9.472	0.106	0.220	10.06	0.3	3.46	9.83e-02	9.41	0.3	0.0	0.0
17	11.036	0.091	0.211	0.17	4.70e-03	37.19	1.1	0.02	6.44e-04	0.0	0.0
18	12.610	0.079	0.190	5.93	0.2	15.02	0.4	0.07	2.08e-03	0.0	0.0
19	12.881	0.078	0.186	2.58	7.34e-02	1.73e-03	4.92e-05	6.13	0.2	0.0	0.0
20	13.206	0.076	0.181	10.88	0.3	0.15	4.20e-03	0.70	1.99e-02	0.0	0.0
21	13.553	0.074	0.177	2.36	6.72e-02	0.10	2.93e-03	0.09	2.55e-03	0.0	0.0
22	15.802	0.063	0.153	5.00	0.1	0.10	2.72e-03	0.04	1.11e-03	0.0	0.0
23	17.290	0.058	0.143	0.94	2.67e-02	3.13	8.91e-02	1.92	5.46e-02	0.0	0.0
24	17.950	0.056	0.140	0.36	1.02e-02	4.89	0.1	0.31	8.85e-03	0.0	0.0
25	19.382	0.052	0.135	3.88	0.1	2.87	8.16e-02	3.15	8.96e-02	0.0	0.0
26	20.136	0.050	0.133	8.21e-03	2.34e-04	0.83	2.37e-02	98.78	2.8	0.0	0.0
27	21.350	0.047	0.129	0.10	2.74e-03	1.37	3.89e-02	250.96	7.1	0.0	0.0
28	23.320	0.043	0.124	0.54	1.55e-02	6.54	0.2	73.08	2.1	0.0	0.0
29	24.232	0.041	0.122	9.34	0.3	1.28	3.64e-02	1.65	4.68e-02	0.0	0.0
30	26.145	0.038	0.120	1.29	3.67e-02	3.09	8.80e-02	190.45	5.4	0.0	0.0
31	29.703	0.034	0.119	0.44	1.26e-02	0.54	1.53e-02	721.58	20.5	0.0	0.0
32	38.193	0.026	0.118	1.06	3.01e-02	3.71	0.1	51.27	1.5	0.0	0.0
33	38.869	0.026	0.117	2.40	6.82e-02	0.76	2.15e-02	425.02	12.1	0.0	0.0
34	43.887	0.023	0.117	0.54	1.54e-02	0.87	2.46e-02	945.06	26.9	0.0	0.0
35	76.176	0.013	0.116	1.55	4.41e-02	5.90	0.2	342.19	9.7	0.0	0.0
36	81.794	0.012	0.116	7.68	0.2	16.70	0.5	39.18	1.1	0.0	0.0
37	85.617	0.012	0.116	20.27	0.6	3.41	9.69e-02	69.34	2.0	0.0	0.0
Risulta				3511.25		3511.06		3407.29			
In percentuale				99.85		99.85		96.90			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.

CDC	Tipo	Sigla Id	Note
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.320 sec.
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	-1.03	0.0	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	-1.03	0.0	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	-1.03	0.0	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	-1.03	0.0	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	-1.03	0.0	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	-1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	-1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	-1.03	0.0	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	-1.03	0.0	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	-1.03	0.0	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	-1.03	0.0	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	-1.03	0.0	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	-1.03	0.0	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	-1.03	0.0	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	-1.03	0.0	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	-1.03	0.0	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	-1.03	0.0	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	-1.03	0.0	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	-1.03	0.0	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	-1.03	0.0	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	-1.03	0.0	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.128	0.320	0.357	45.72	1.3	2950.27	83.9	0.60	1.71e-02	0.0	0.0
2	3.409	0.293	0.364	3000.24	85.3	60.77	1.7	0.52	1.47e-02	0.0	0.0
3	4.120	0.243	0.351	10.22	0.3	0.36	1.02e-02	21.93	0.6	0.0	0.0
4	4.321	0.231	0.320	73.64	2.1	48.70	1.4	0.85	2.42e-02	0.0	0.0
5	4.542	0.220	0.283	0.02	4.33e-04	0.99	2.80e-02	6.61	0.2	0.0	0.0
6	5.765	0.173	0.235	0.07	1.86e-03	2.10	5.97e-02	26.13	0.7	0.0	0.0
7	5.928	0.169	0.232	0.05	1.31e-03	11.92	0.3	38.38	1.1	0.0	0.0
8	6.576	0.152	0.222	4.74	0.1	2.30e-03	6.55e-05	22.87	0.7	0.0	0.0
9	6.798	0.147	0.218	0.02	6.24e-04	2.10	5.97e-02	3.13e-03	8.90e-05	0.0	0.0
10	6.916	0.145	0.217	1.42	4.04e-02	5.54	0.2	24.69	0.7	0.0	0.0
11	8.016	0.125	0.201	0.05	1.28e-03	51.88	1.5	6.79	0.2	0.0	0.0
12	8.235	0.121	0.198	3.53	0.1	18.57	0.5	21.02	0.6	0.0	0.0
13	8.458	0.118	0.199	4.65	0.1	260.13	7.4	0.02	7.00e-04	0.0	0.0
14	8.753	0.114	0.206	9.64	0.3	0.76	2.16e-02	6.55	0.2	0.0	0.0
15	9.172	0.109	0.214	272.60	7.8	3.99	0.1	2.37e-03	6.75e-05	0.0	0.0
16	9.472	0.106	0.220	6.72	0.2	4.86	0.1	9.42	0.3	0.0	0.0
17	11.323	0.088	0.207	1.04	2.97e-02	29.49	0.8	1.18e-04	3.35e-06	0.0	0.0
18	11.822	0.085	0.200	0.83	2.37e-02	7.70	0.2	9.36e-03	2.66e-04	0.0	0.0
19	12.286	0.081	0.194	8.48	0.2	0.06	1.67e-03	2.62e-05	0.0	0.0	0.0
20	12.887	0.078	0.186	2.13	6.07e-02	0.05	1.51e-03	6.28	0.2	0.0	0.0
21	13.310	0.075	0.180	7.11	0.2	0.64	1.81e-02	0.72	2.05e-02	0.0	0.0
22	13.832	0.072	0.174	0.08	2.14e-03	0.48	1.37e-02	1.69e-03	4.81e-05	0.0	0.0
23	15.379	0.065	0.157	0.93	2.64e-02	2.68	7.64e-02	0.13	3.66e-03	0.0	0.0
24	15.824	0.063	0.153	6.97	0.2	0.04	1.19e-03	0.13	3.72e-03	0.0	0.0
25	17.200	0.058	0.143	3.44	9.79e-02	3.11	8.86e-02	4.65	0.1	0.0	0.0
26	20.402	0.049	0.132	1.12	3.18e-02	0.35	1.01e-02	85.81	2.4	0.0	0.0
27	21.042	0.048	0.130	1.47	4.17e-02	4.67e-03	1.33e-04	207.66	5.9	0.0	0.0
28	22.165	0.045	0.127	0.65	1.85e-02	2.24	6.37e-02	95.59	2.7	0.0	0.0
29	24.192	0.041	0.122	4.02	0.1	5.26	0.1	18.35	0.5	0.0	0.0
30	25.256	0.040	0.121	5.94	0.2	2.44	6.93e-02	46.58	1.3	0.0	0.0
31	28.419	0.035	0.120	0.15	4.34e-03	0.42	1.19e-02	774.06	22.0	0.0	0.0
32	36.609	0.027	0.118	0.16	4.61e-03	5.00	0.1	180.90	5.1	0.0	0.0
33	39.322	0.025	0.117	3.57	0.1	0.07	1.86e-03	200.50	5.7	0.0	0.0
34	41.576	0.024	0.117	0.42	1.20e-02	0.90	2.55e-02	1040.27	29.6	0.0	0.0
35	70.160	0.014	0.116	0.05	1.49e-03	1.91	5.44e-02	511.11	14.5	0.0	0.0
36	79.885	0.013	0.116	0.62	1.75e-02	24.57	0.7	27.73	0.8	0.0	0.0
37	84.400	0.012	0.116	28.79	0.8	0.44	1.25e-02	2.36	6.71e-02	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
Risulta				3511.28		3510.81		3389.23			
In percentuale				99.85		99.84		96.38			

CDC	Tipo	Sigla Id	Note
14	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.298 sec.
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	0.0	-1.03	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	0.0	-1.03	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	0.0	-1.03	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	0.0	-1.03	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	0.0	-1.03	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	0.0	-1.03	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	0.0	-1.03	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	0.0	-1.03	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	0.0	-1.03	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	0.0	-1.03	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	0.0	-1.03	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	0.0	-1.03	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	0.0	-1.03	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	0.0	-1.03	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	0.0	-1.03	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	0.0	-1.03	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	0.0	-1.03	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	0.0	-1.03	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	0.0	-1.03	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	0.0	-1.03	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	0.0	-1.03	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.049	0.328	0.382	241.55	6.9	2621.67	74.6	0.41	1.16e-02	0.0	0.0
2	3.355	0.298	0.414	2710.52	77.1	321.79	9.2	0.69	1.97e-02	0.0	0.0
3	4.122	0.243	0.392	7.51	0.2	0.78	2.21e-02	22.60	0.6	0.0	0.0
4	4.541	0.220	0.314	3.55	0.1	0.22	6.16e-03	6.05	0.2	0.0	0.0
5	4.678	0.214	0.304	163.59	4.7	113.61	3.2	0.70	1.99e-02	0.0	0.0
6	5.765	0.173	0.265	0.08	2.18e-03	2.14	6.09e-02	26.25	0.7	0.0	0.0
7	5.930	0.169	0.262	0.13	3.70e-03	12.87	0.4	38.74	1.1	0.0	0.0
8	6.172	0.162	0.257	0.05	1.52e-03	2.79	7.92e-02	0.02	6.64e-04	0.0	0.0
9	6.581	0.152	0.249	4.65	0.1	0.02	5.71e-04	22.36	0.6	0.0	0.0
10	6.915	0.145	0.243	1.39	3.94e-02	6.89	0.2	24.62	0.7	0.0	0.0
11	7.981	0.125	0.224	0.70	2.00e-02	114.43	3.3	3.78	0.1	0.0	0.0
12	8.201	0.122	0.220	5.01	0.1	74.30	2.1	21.66	0.6	0.0	0.0
13	8.320	0.120	0.218	2.52	7.16e-02	133.48	3.8	2.40	6.83e-02	0.0	0.0
14	8.755	0.114	0.229	28.42	0.8	0.23	6.52e-03	5.92	0.2	0.0	0.0
15	8.909	0.112	0.232	256.53	7.3	0.48	1.36e-02	0.63	1.79e-02	0.0	0.0
16	9.469	0.106	0.244	2.06	5.86e-02	4.75	0.1	9.55	0.3	0.0	0.0
17	11.346	0.088	0.227	0.21	5.84e-03	38.92	1.1	4.00e-03	1.14e-04	0.0	0.0
18	12.353	0.081	0.211	11.16	0.3	10.05	0.3	0.02	6.52e-04	0.0	0.0
19	12.718	0.079	0.205	5.96	0.2	0.12	3.40e-03	2.39	6.81e-02	0.0	0.0
20	13.036	0.077	0.201	1.82	5.17e-02	0.05	1.29e-03	4.56	0.1	0.0	0.0
21	13.754	0.073	0.192	4.89	0.1	0.13	3.73e-03	0.07	1.92e-03	0.0	0.0
22	15.021	0.067	0.177	0.03	9.55e-04	0.70	1.98e-02	0.02	5.19e-04	0.0	0.0
23	15.237	0.066	0.175	6.51	0.2	1.65e-06	0.0	0.02	4.54e-04	0.0	0.0
24	17.088	0.059	0.160	0.50	1.42e-02	3.60	0.1	0.54	1.54e-02	0.0	0.0
25	19.733	0.051	0.149	6.58	0.2	3.16	8.98e-02	35.24	1.0	0.0	0.0
26	20.612	0.049	0.146	0.54	1.55e-02	0.16	4.41e-03	197.68	5.6	0.0	0.0
27	21.433	0.047	0.144	0.29	8.20e-03	2.49	7.09e-02	5.93	0.2	0.0	0.0
28	22.675	0.044	0.140	0.15	4.36e-03	0.23	6.59e-03	231.98	6.6	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
29	24.331	0.041	0.136	6.87	0.2	2.75	7.81e-02	3.76e-04	1.07e-05	0.0	0.0
30	24.850	0.040	0.135	2.25	6.39e-02	6.17	0.2	3.94	0.1	0.0	0.0
31	29.058	0.034	0.134	1.51e-04	4.30e-06	0.03	9.63e-04	852.98	24.3	0.0	0.0
32	37.029	0.027	0.132	4.60	0.1	1.39	3.96e-02	7.61	0.2	0.0	0.0
33	39.908	0.025	0.132	1.09	3.09e-02	4.29	0.1	5.50	0.2	0.0	0.0
34	41.630	0.024	0.131	4.22e-03	1.20e-04	0.06	1.71e-03	1365.94	38.8	0.0	0.0
35	74.105	0.013	0.131	0.05	1.51e-03	0.47	1.32e-02	489.96	13.9	0.0	0.0
36	81.401	0.012	0.131	8.95	0.3	18.10	0.5	7.37	0.2	0.0	0.0
37	83.258	0.012	0.131	20.28	0.6	8.00	0.2	0.60	1.72e-02	0.0	0.0
Risulta				3510.99		3511.30		3398.74			
In percentuale				99.85		99.85		96.65			

CDC	Tipo	Sigla Id	Note
15	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.291 sec.
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	0.0	1.03	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	0.0	1.03	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	0.0	1.03	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	0.0	1.03	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	0.0	1.03	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	0.0	1.03	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	0.0	1.03	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	0.0	1.03	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	0.0	1.03	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	0.0	1.03	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	0.0	1.03	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	0.0	1.03	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	0.0	1.03	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	0.0	1.03	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	0.0	1.03	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	0.0	1.03	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	0.0	1.03	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	0.0	1.03	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	0.0	1.03	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	0.0	1.03	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	0.0	1.03	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.066	0.326	0.387	2.41	6.84e-02	2883.23	82.0	0.62	1.77e-02	0.0	0.0
2	3.440	0.291	0.406	3125.96	88.9	1.39	3.94e-02	0.42	1.21e-02	0.0	0.0
3	4.118	0.243	0.393	1.67	4.76e-02	0.92	2.61e-02	22.40	0.6	0.0	0.0
4	4.357	0.230	0.349	2.78	7.92e-02	168.31	4.8	0.31	8.92e-03	0.0	0.0
5	4.543	0.220	0.313	0.37	1.05e-02	2.68	7.63e-02	6.59	0.2	0.0	0.0
6	5.765	0.173	0.265	0.05	1.33e-03	2.22	6.32e-02	26.25	0.7	0.0	0.0
7	5.929	0.169	0.262	0.03	9.27e-04	12.31	0.4	38.52	1.1	0.0	0.0
8	6.167	0.162	0.258	1.89e-05	0.0	2.53	7.19e-02	0.01	3.44e-04	0.0	0.0
9	6.571	0.152	0.249	5.30	0.2	1.71e-03	4.85e-05	23.25	0.7	0.0	0.0
10	6.912	0.145	0.243	1.37	3.89e-02	7.31	0.2	24.18	0.7	0.0	0.0
11	7.983	0.125	0.224	0.01	3.92e-04	112.78	3.2	4.11	0.1	0.0	0.0
12	8.209	0.122	0.220	0.56	1.59e-02	81.35	2.3	21.11	0.6	0.0	0.0
13	8.311	0.120	0.219	5.64	0.2	126.08	3.6	2.73	7.75e-02	0.0	0.0
14	8.747	0.114	0.229	9.70	0.3	1.70	4.85e-02	6.49	0.2	0.0	0.0
15	9.333	0.107	0.241	237.32	6.7	5.52	0.2	0.73	2.09e-02	0.0	0.0
16	9.490	0.105	0.245	47.57	1.4	1.74	4.95e-02	8.56	0.2	0.0	0.0
17	11.285	0.089	0.228	0.03	8.90e-04	44.85	1.3	9.03e-03	2.57e-04	0.0	0.0
18	11.789	0.085	0.220	0.42	1.18e-02	1.09	3.10e-02	2.25e-03	6.39e-05	0.0	0.0
19	12.164	0.082	0.214	5.98	0.2	0.03	8.87e-04	8.17e-03	2.32e-04	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
20	12.912	0.077	0.203	1.23	3.51e-02	5.57e-03	1.58e-04	6.82	0.2	0.0	0.0
21	13.569	0.074	0.194	7.68	0.2	0.43	1.22e-02	0.15	4.13e-03	0.0	0.0
22	15.613	0.064	0.171	2.63	7.48e-02	4.38	0.1	0.57	1.62e-02	0.0	0.0
23	16.248	0.062	0.165	5.40	0.2	1.43	4.06e-02	0.44	1.27e-02	0.0	0.0
24	16.672	0.060	0.162	1.82e-03	5.17e-05	3.48	9.91e-02	0.40	1.13e-02	0.0	0.0
25	17.837	0.056	0.156	0.39	1.12e-02	0.33	9.43e-03	3.67	0.1	0.0	0.0
26	19.484	0.051	0.150	1.53	4.35e-02	0.29	8.33e-03	8.08	0.2	0.0	0.0
27	21.062	0.047	0.145	0.24	6.82e-03	1.55e-05	0.0	356.08	10.1	0.0	0.0
28	22.842	0.044	0.140	2.35	6.69e-02	6.01	0.2	15.57	0.4	0.0	0.0
29	23.915	0.042	0.137	5.79	0.2	4.28	0.1	5.28	0.2	0.0	0.0
30	26.310	0.038	0.134	2.87	8.16e-02	1.32	3.76e-02	189.61	5.4	0.0	0.0
31	28.674	0.035	0.134	0.89	2.54e-02	0.58	1.64e-02	650.99	18.5	0.0	0.0
32	35.930	0.028	0.132	0.59	1.69e-02	4.55	0.1	40.76	1.2	0.0	0.0
33	39.241	0.025	0.132	1.37	3.89e-02	0.09	2.59e-03	917.38	26.1	0.0	0.0
34	44.393	0.023	0.131	2.11	6.01e-02	0.87	2.46e-02	492.58	14.0	0.0	0.0
35	70.860	0.014	0.131	1.32	3.76e-02	1.43	4.06e-02	481.69	13.7	0.0	0.0
36	79.579	0.013	0.131	4.62	0.1	22.09	0.6	6.88	0.2	0.0	0.0
37	85.730	0.012	0.131	22.99	0.7	3.22	9.15e-02	27.84	0.8	0.0	0.0
Risulta				3511.19		3510.84		3391.07			
In percentuale				99.85		99.84		96.44			

CDC	Tipo	Sigla Id	Note
16	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.336 sec.
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	1.03	0.0	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	1.03	0.0	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	1.03	0.0	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	1.03	0.0	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	1.03	0.0	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	1.03	0.0	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	1.03	0.0	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	1.03	0.0	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	1.03	0.0	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	1.03	0.0	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	1.03	0.0	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	1.03	0.0	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	1.03	0.0	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	1.03	0.0	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	1.03	0.0	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	1.03	0.0	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	1.03	0.0	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	1.03	0.0	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	1.03	0.0	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	2.974	0.336	0.360	59.91	1.7	2743.06	78.0	0.47	1.33e-02	0.0	0.0
2	3.422	0.292	0.408	3026.01	86.1	83.58	2.4	0.59	1.68e-02	0.0	0.0
3	4.121	0.243	0.393	5.65	0.2	3.13e-03	8.91e-05	22.76	0.6	0.0	0.0
4	4.540	0.220	0.314	1.65	4.69e-02	1.59	4.54e-02	6.10	0.2	0.0	0.0
5	4.692	0.213	0.303	36.65	1.0	224.04	6.4	0.38	1.08e-02	0.0	0.0
6	5.688	0.176	0.267	0.03	7.55e-04	3.68	0.1	0.03	9.22e-04	0.0	0.0
7	5.765	0.173	0.265	0.05	1.39e-03	2.30	6.54e-02	26.28	0.7	0.0	0.0
8	5.931	0.169	0.262	0.09	2.66e-03	13.96	0.4	38.92	1.1	0.0	0.0
9	6.577	0.152	0.249	4.95	0.1	2.81e-04	8.00e-06	22.77	0.6	0.0	0.0
10	6.910	0.145	0.243	1.25	3.55e-02	9.87	0.3	23.97	0.7	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
11	7.859	0.127	0.226	0.46	1.32e-02	246.79	7.0	0.35	9.96e-03	0.0	0.0
12	8.131	0.123	0.221	0.14	3.92e-03	54.36	1.5	15.92	0.5	0.0	0.0
13	8.267	0.121	0.219	4.83	0.1	15.22	0.4	11.86	0.3	0.0	0.0
14	8.755	0.114	0.229	10.46	0.3	0.68	1.95e-02	6.48	0.2	0.0	0.0
15	9.156	0.109	0.238	271.74	7.7	0.01	3.66e-04	4.41e-03	1.26e-04	0.0	0.0
16	9.472	0.106	0.244	10.06	0.3	3.46	9.83e-02	9.41	0.3	0.0	0.0
17	11.036	0.091	0.233	0.17	4.70e-03	37.19	1.1	0.02	6.44e-04	0.0	0.0
18	12.610	0.079	0.207	5.93	0.2	15.02	0.4	0.07	2.08e-03	0.0	0.0
19	12.881	0.078	0.203	2.58	7.34e-02	1.73e-03	4.92e-05	6.13	0.2	0.0	0.0
20	13.206	0.076	0.199	10.88	0.3	0.15	4.20e-03	0.70	1.99e-02	0.0	0.0
21	13.553	0.074	0.194	2.36	6.72e-02	0.10	2.93e-03	0.09	2.55e-03	0.0	0.0
22	15.802	0.063	0.169	5.00	0.1	0.10	2.72e-03	0.04	1.11e-03	0.0	0.0
23	17.290	0.058	0.159	0.94	2.67e-02	3.13	8.91e-02	1.92	5.46e-02	0.0	0.0
24	17.950	0.056	0.156	0.36	1.02e-02	4.89	0.1	0.31	8.85e-03	0.0	0.0
25	19.382	0.052	0.150	3.88	0.1	2.87	8.16e-02	3.15	8.96e-02	0.0	0.0
26	20.136	0.050	0.148	8.21e-03	2.34e-04	0.83	2.37e-02	98.78	2.8	0.0	0.0
27	21.350	0.047	0.144	0.10	2.74e-03	1.37	3.89e-02	250.96	7.1	0.0	0.0
28	23.320	0.043	0.139	0.54	1.55e-02	6.54	0.2	73.08	2.1	0.0	0.0
29	24.232	0.041	0.136	9.34	0.3	1.28	3.64e-02	1.65	4.68e-02	0.0	0.0
30	26.145	0.038	0.134	1.29	3.67e-02	3.09	8.80e-02	190.45	5.4	0.0	0.0
31	29.703	0.034	0.133	0.44	1.26e-02	0.54	1.53e-02	721.58	20.5	0.0	0.0
32	38.193	0.026	0.132	1.06	3.01e-02	3.71	0.1	51.27	1.5	0.0	0.0
33	38.869	0.026	0.132	2.40	6.82e-02	0.76	2.15e-02	425.02	12.1	0.0	0.0
34	43.887	0.023	0.131	0.54	1.54e-02	0.87	2.46e-02	945.06	26.9	0.0	0.0
35	76.176	0.013	0.131	1.55	4.41e-02	5.90	0.2	342.19	9.7	0.0	0.0
36	81.794	0.012	0.131	7.68	0.2	16.70	0.5	39.18	1.1	0.0	0.0
37	85.617	0.012	0.131	20.27	0.6	3.41	9.69e-02	69.34	2.0	0.0	0.0
Risulta				3511.25		3511.06		3407.29			
In percentuale				99.85		99.85		96.90			

CDC	Tipo	Sigla Id	Note
17	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.320 sec.
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	-1.03	0.0	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	-1.03	0.0	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	-1.03	0.0	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	-1.03	0.0	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	-1.03	0.0	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	-1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	-1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	-1.03	0.0	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	-1.03	0.0	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	-1.03	0.0	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	-1.03	0.0	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	-1.03	0.0	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	-1.03	0.0	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	-1.03	0.0	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	-1.03	0.0	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	-1.03	0.0	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	-1.03	0.0	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	-1.03	0.0	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	-1.03	0.0	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	-1.03	0.0	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	-1.03	0.0	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.128	0.320	0.404	45.72	1.3	2950.27	83.9	0.60	1.71e-02	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
2	3.409	0.293	0.409	3000.24	85.3	60.77	1.7	0.52	1.47e-02	0.0	0.0
3	4.120	0.243	0.393	10.22	0.3	0.36	1.02e-02	21.93	0.6	0.0	0.0
4	4.321	0.231	0.356	73.64	2.1	48.70	1.4	0.85	2.42e-02	0.0	0.0
5	4.542	0.220	0.313	0.02	4.33e-04	0.99	2.80e-02	6.61	0.2	0.0	0.0
6	5.765	0.173	0.265	0.07	1.86e-03	2.10	5.97e-02	26.13	0.7	0.0	0.0
7	5.928	0.169	0.262	0.05	1.31e-03	11.92	0.3	38.38	1.1	0.0	0.0
8	6.576	0.152	0.249	4.74	0.1	2.30e-03	6.55e-05	22.87	0.7	0.0	0.0
9	6.798	0.147	0.245	0.02	6.24e-04	2.10	5.97e-02	3.13e-03	8.90e-05	0.0	0.0
10	6.916	0.145	0.243	1.42	4.04e-02	5.54	0.2	24.69	0.7	0.0	0.0
11	8.016	0.125	0.223	0.05	1.28e-03	51.88	1.5	6.79	0.2	0.0	0.0
12	8.235	0.121	0.220	3.53	0.1	18.57	0.5	21.02	0.6	0.0	0.0
13	8.458	0.118	0.221	4.65	0.1	260.13	7.4	0.02	7.00e-04	0.0	0.0
14	8.753	0.114	0.229	9.64	0.3	0.76	2.16e-02	6.55	0.2	0.0	0.0
15	9.172	0.109	0.238	272.60	7.8	3.99	0.1	2.37e-03	6.75e-05	0.0	0.0
16	9.472	0.106	0.244	6.72	0.2	4.86	0.1	9.42	0.3	0.0	0.0
17	11.323	0.088	0.228	1.04	2.97e-02	29.49	0.8	1.18e-04	3.35e-06	0.0	0.0
18	11.822	0.085	0.219	0.83	2.37e-02	7.70	0.2	9.36e-03	2.66e-04	0.0	0.0
19	12.286	0.081	0.212	8.48	0.2	0.06	1.67e-03	2.62e-05	0.0	0.0	0.0
20	12.887	0.078	0.203	2.13	6.07e-02	0.05	1.51e-03	6.28	0.2	0.0	0.0
21	13.310	0.075	0.197	7.11	0.2	0.64	1.81e-02	0.72	2.05e-02	0.0	0.0
22	13.832	0.072	0.191	0.08	2.14e-03	0.48	1.37e-02	1.69e-03	4.81e-05	0.0	0.0
23	15.379	0.065	0.174	0.93	2.64e-02	2.68	7.64e-02	0.13	3.66e-03	0.0	0.0
24	15.824	0.063	0.169	6.97	0.2	0.04	1.19e-03	0.13	3.72e-03	0.0	0.0
25	17.200	0.058	0.159	3.44	9.79e-02	3.11	8.86e-02	4.65	0.1	0.0	0.0
26	20.402	0.049	0.147	1.12	3.18e-02	0.35	1.01e-02	85.81	2.4	0.0	0.0
27	21.042	0.048	0.145	1.47	4.17e-02	4.67e-03	1.33e-04	207.66	5.9	0.0	0.0
28	22.165	0.045	0.142	0.65	1.85e-02	2.24	6.37e-02	95.59	2.7	0.0	0.0
29	24.192	0.041	0.137	4.02	0.1	5.26	0.1	18.35	0.5	0.0	0.0
30	25.256	0.040	0.135	5.94	0.2	2.44	6.93e-02	46.58	1.3	0.0	0.0
31	28.419	0.035	0.134	0.15	4.34e-03	0.42	1.19e-02	774.06	22.0	0.0	0.0
32	36.609	0.027	0.132	0.16	4.61e-03	5.00	0.1	180.90	5.1	0.0	0.0
33	39.322	0.025	0.132	3.57	0.1	0.07	1.86e-03	200.50	5.7	0.0	0.0
34	41.576	0.024	0.131	0.42	1.20e-02	0.90	2.55e-02	1040.27	29.6	0.0	0.0
35	70.160	0.014	0.131	0.05	1.49e-03	1.91	5.44e-02	511.11	14.5	0.0	0.0
36	79.885	0.013	0.131	0.62	1.75e-02	24.57	0.7	27.73	0.8	0.0	0.0
37	84.400	0.012	0.131	28.79	0.8	0.44	1.25e-02	2.36	6.71e-02	0.0	0.0
Risulta				3511.28		3510.81		3389.23			
In percentuale				99.85		99.84		96.38			

CDC	Tipo	Sigla Id	Note
18	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.298 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	0.0	-1.03	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	0.0	-1.03	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	0.0	-1.03	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	0.0	-1.03	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	0.0	-1.03	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	0.0	-1.03	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	0.0	-1.03	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	0.0	-1.03	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	0.0	-1.03	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	0.0	-1.03	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	0.0	-1.03	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	0.0	-1.03	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	0.0	-1.03	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	0.0	-1.03	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	0.0	-1.03	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	0.0	-1.03	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	0.0	-1.03	7.95	9.57	0.656	0.650	0.210

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
2.00	26.75	12.53	7.73	0.0	-1.03	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	0.0	-1.03	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	0.0	-1.03	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	0.0	-1.03	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.049	0.328	0.395	241.55	6.9	2621.67	74.6	0.41	1.16e-02	0.0	0.0
2	3.355	0.298	0.406	2710.52	77.1	321.79	9.2	0.69	1.97e-02	0.0	0.0
3	4.122	0.243	0.348	7.51	0.2	0.78	2.21e-02	22.60	0.6	0.0	0.0
4	4.541	0.220	0.278	3.55	0.1	0.22	6.16e-03	6.05	0.2	0.0	0.0
5	4.678	0.214	0.275	163.59	4.7	113.61	3.2	0.70	1.99e-02	0.0	0.0
6	5.765	0.173	0.259	0.08	2.18e-03	2.14	6.09e-02	26.25	0.7	0.0	0.0
7	5.930	0.169	0.254	0.13	3.70e-03	12.87	0.4	38.74	1.1	0.0	0.0
8	6.172	0.162	0.248	0.05	1.52e-03	2.79	7.92e-02	0.02	6.64e-04	0.0	0.0
9	6.581	0.152	0.236	4.65	0.1	0.02	5.71e-04	22.36	0.6	0.0	0.0
10	6.915	0.145	0.228	1.39	3.94e-02	6.89	0.2	24.62	0.7	0.0	0.0
11	7.981	0.125	0.207	0.70	2.00e-02	114.43	3.3	3.78	0.1	0.0	0.0
12	8.201	0.122	0.203	5.01	0.1	74.30	2.1	21.66	0.6	0.0	0.0
13	8.320	0.120	0.201	2.52	7.16e-02	133.48	3.8	2.40	6.83e-02	0.0	0.0
14	8.755	0.114	0.203	28.42	0.8	0.23	6.52e-03	5.92	0.2	0.0	0.0
15	8.909	0.112	0.204	256.53	7.3	0.48	1.36e-02	0.63	1.79e-02	0.0	0.0
16	9.469	0.106	0.207	2.06	5.86e-02	4.75	0.1	9.55	0.3	0.0	0.0
17	11.346	0.088	0.189	0.21	5.84e-03	38.92	1.1	4.00e-03	1.14e-04	0.0	0.0
18	12.353	0.081	0.178	11.16	0.3	10.05	0.3	0.02	6.52e-04	0.0	0.0
19	12.718	0.079	0.174	5.96	0.2	0.12	3.40e-03	2.39	6.81e-02	0.0	0.0
20	13.036	0.077	0.171	1.82	5.17e-02	0.05	1.29e-03	4.56	0.1	0.0	0.0
21	13.754	0.073	0.165	4.89	0.1	0.13	3.73e-03	0.07	1.92e-03	0.0	0.0
22	15.021	0.067	0.155	0.03	9.55e-04	0.70	1.98e-02	0.02	5.19e-04	0.0	0.0
23	15.237	0.066	0.154	6.51	0.2	1.65e-06	0.0	0.02	4.54e-04	0.0	0.0
24	17.088	0.059	0.144	0.50	1.42e-02	3.60	0.1	0.54	1.54e-02	0.0	0.0
25	19.733	0.051	0.138	6.58	0.2	3.16	8.98e-02	35.24	1.0	0.0	0.0
26	20.612	0.049	0.136	0.54	1.55e-02	0.16	4.41e-03	197.68	5.6	0.0	0.0
27	21.433	0.047	0.135	0.29	8.20e-03	2.49	7.09e-02	5.93	0.2	0.0	0.0
28	22.675	0.044	0.133	0.15	4.36e-03	0.23	6.59e-03	231.98	6.6	0.0	0.0
29	24.331	0.041	0.130	6.87	0.2	2.75	7.81e-02	3.76e-04	1.07e-05	0.0	0.0
30	24.850	0.040	0.130	2.25	6.39e-02	6.17	0.2	3.94	0.1	0.0	0.0
31	29.058	0.034	0.129	1.51e-04	4.30e-06	0.03	9.63e-04	852.98	24.3	0.0	0.0
32	37.029	0.027	0.128	4.60	0.1	1.39	3.96e-02	7.61	0.2	0.0	0.0
33	39.908	0.025	0.128	1.09	3.09e-02	4.29	0.1	5.50	0.2	0.0	0.0
34	41.630	0.024	0.128	4.22e-03	1.20e-04	0.06	1.71e-03	1365.94	38.8	0.0	0.0
35	74.105	0.013	0.127	0.05	1.51e-03	0.47	1.32e-02	489.96	13.9	0.0	0.0
36	81.401	0.012	0.127	8.95	0.3	18.10	0.5	7.37	0.2	0.0	0.0
37	83.258	0.012	0.127	20.28	0.6	8.00	0.2	0.60	1.72e-02	0.0	0.0
Risulta				3510.99		3511.30		3398.74			
In percentuale				99.85		99.85		96.65			

CDC	Tipo	Sigla Id	Note
19	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.291 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	0.0	1.03	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	0.0	1.03	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	0.0	1.03	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	0.0	1.03	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	0.0	1.03	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	0.0	1.03	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	0.0	1.03	5.70	12.56	0.985	0.747	0.609

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
7.00	1300.64	12.19	7.29	0.0	1.03	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	0.0	1.03	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	0.0	1.03	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	0.0	1.03	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	0.0	1.03	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	0.0	1.03	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	0.0	1.03	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	0.0	1.03	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	0.0	1.03	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	0.0	1.03	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	0.0	1.03	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	0.0	1.03	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	0.0	1.03	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	0.0	1.03	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.066	0.326	0.400	2.41	6.84e-02	2883.23	82.0	0.62	1.77e-02	0.0	0.0
2	3.440	0.291	0.400	3125.96	88.9	1.39	3.94e-02	0.42	1.21e-02	0.0	0.0
3	4.118	0.243	0.348	1.67	4.76e-02	0.92	2.61e-02	22.40	0.6	0.0	0.0
4	4.357	0.230	0.307	2.78	7.92e-02	168.31	4.8	0.31	8.92e-03	0.0	0.0
5	4.543	0.220	0.277	0.37	1.05e-02	2.68	7.63e-02	6.59	0.2	0.0	0.0
6	5.765	0.173	0.259	0.05	1.33e-03	2.22	6.32e-02	26.25	0.7	0.0	0.0
7	5.929	0.169	0.254	0.03	9.27e-04	12.31	0.4	38.52	1.1	0.0	0.0
8	6.167	0.162	0.248	1.89e-05	0.0	2.53	7.19e-02	0.01	3.44e-04	0.0	0.0
9	6.571	0.152	0.237	5.30	0.2	1.71e-03	4.85e-05	23.25	0.7	0.0	0.0
10	6.912	0.145	0.228	1.37	3.89e-02	7.31	0.2	24.18	0.7	0.0	0.0
11	7.983	0.125	0.207	0.01	3.92e-04	112.78	3.2	4.11	0.1	0.0	0.0
12	8.209	0.122	0.203	0.56	1.59e-02	81.35	2.3	21.11	0.6	0.0	0.0
13	8.311	0.120	0.202	5.64	0.2	126.08	3.6	2.73	7.75e-02	0.0	0.0
14	8.747	0.114	0.203	9.70	0.3	1.70	4.85e-02	6.49	0.2	0.0	0.0
15	9.333	0.107	0.206	237.32	6.7	5.52	0.2	0.73	2.09e-02	0.0	0.0
16	9.490	0.105	0.207	47.57	1.4	1.74	4.95e-02	8.56	0.2	0.0	0.0
17	11.285	0.089	0.190	0.03	8.90e-04	44.85	1.3	9.03e-03	2.57e-04	0.0	0.0
18	11.789	0.085	0.184	0.42	1.18e-02	1.09	3.10e-02	2.25e-03	6.39e-05	0.0	0.0
19	12.164	0.082	0.180	5.98	0.2	0.03	8.87e-04	8.17e-03	2.32e-04	0.0	0.0
20	12.912	0.077	0.172	1.23	3.51e-02	5.57e-03	1.58e-04	6.82	0.2	0.0	0.0
21	13.569	0.074	0.166	7.68	0.2	0.43	1.22e-02	0.15	4.13e-03	0.0	0.0
22	15.613	0.064	0.151	2.63	7.48e-02	4.38	0.1	0.57	1.62e-02	0.0	0.0
23	16.248	0.062	0.148	5.40	0.2	1.43	4.06e-02	0.44	1.27e-02	0.0	0.0
24	16.672	0.060	0.145	1.82e-03	5.17e-05	3.48	9.91e-02	0.40	1.13e-02	0.0	0.0
25	17.837	0.056	0.142	0.39	1.12e-02	0.33	9.43e-03	3.67	0.1	0.0	0.0
26	19.484	0.051	0.138	1.53	4.35e-02	0.29	8.33e-03	8.08	0.2	0.0	0.0
27	21.062	0.047	0.135	0.24	6.82e-03	1.55e-05	0.0	356.08	10.1	0.0	0.0
28	22.842	0.044	0.133	2.35	6.69e-02	6.01	0.2	15.57	0.4	0.0	0.0
29	23.915	0.042	0.131	5.79	0.2	4.28	0.1	5.28	0.2	0.0	0.0
30	26.310	0.038	0.129	2.87	8.16e-02	1.32	3.76e-02	189.61	5.4	0.0	0.0
31	28.674	0.035	0.129	0.89	2.54e-02	0.58	1.64e-02	650.99	18.5	0.0	0.0
32	35.930	0.028	0.128	0.59	1.69e-02	4.55	0.1	40.76	1.2	0.0	0.0
33	39.241	0.025	0.128	1.37	3.89e-02	0.09	2.59e-03	917.38	26.1	0.0	0.0
34	44.393	0.023	0.128	2.11	6.01e-02	0.87	2.46e-02	492.58	14.0	0.0	0.0
35	70.860	0.014	0.127	1.32	3.76e-02	1.43	4.06e-02	481.69	13.7	0.0	0.0
36	79.579	0.013	0.127	4.62	0.1	22.09	0.6	6.88	0.2	0.0	0.0
37	85.730	0.012	0.127	22.99	0.7	3.22	9.15e-02	27.84	0.8	0.0	0.0
Risulta				3511.19		3510.84		3391.07			
In percentuale				99.85		99.84		96.44			

CDC	Tipo	Sigla Id	Note
20	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.336 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 37

CDC	Tipo	Sigla Id	Note
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	1.03	0.0	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	1.03	0.0	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	1.03	0.0	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	1.03	0.0	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	1.03	0.0	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	1.03	0.0	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	1.03	0.0	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	1.03	0.0	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	1.03	0.0	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	1.03	0.0	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	1.03	0.0	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	1.03	0.0	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	1.03	0.0	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	1.03	0.0	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	1.03	0.0	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	1.03	0.0	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	1.03	0.0	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	1.03	0.0	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	1.03	0.0	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	2.974	0.336	0.375	59.91	1.7	2743.06	78.0	0.47	1.33e-02	0.0	0.0
2	3.422	0.292	0.401	3026.01	86.1	83.58	2.4	0.59	1.68e-02	0.0	0.0
3	4.121	0.243	0.348	5.65	0.2	3.13e-03	8.91e-05	22.76	0.6	0.0	0.0
4	4.540	0.220	0.278	1.65	4.69e-02	1.59	4.54e-02	6.10	0.2	0.0	0.0
5	4.692	0.213	0.274	36.65	1.0	224.04	6.4	0.38	1.08e-02	0.0	0.0
6	5.688	0.176	0.261	0.03	7.55e-04	3.68	0.1	0.03	9.22e-04	0.0	0.0
7	5.765	0.173	0.259	0.05	1.39e-03	2.30	6.54e-02	26.28	0.7	0.0	0.0
8	5.931	0.169	0.254	0.09	2.66e-03	13.96	0.4	38.92	1.1	0.0	0.0
9	6.577	0.152	0.236	4.95	0.1	2.81e-04	8.00e-06	22.77	0.6	0.0	0.0
10	6.910	0.145	0.228	1.25	3.55e-02	9.87	0.3	23.97	0.7	0.0	0.0
11	7.859	0.127	0.209	0.46	1.32e-02	246.79	7.0	0.35	9.96e-03	0.0	0.0
12	8.131	0.123	0.204	0.14	3.92e-03	54.36	1.5	15.92	0.5	0.0	0.0
13	8.267	0.121	0.202	4.83	0.1	15.22	0.4	11.86	0.3	0.0	0.0
14	8.755	0.114	0.203	10.46	0.3	0.68	1.95e-02	6.48	0.2	0.0	0.0
15	9.156	0.109	0.205	271.74	7.7	0.01	3.66e-04	4.41e-03	1.26e-04	0.0	0.0
16	9.472	0.106	0.207	10.06	0.3	3.46	9.83e-02	9.41	0.3	0.0	0.0
17	11.036	0.091	0.193	0.17	4.70e-03	37.19	1.1	0.02	6.44e-04	0.0	0.0
18	12.610	0.079	0.175	5.93	0.2	15.02	0.4	0.07	2.08e-03	0.0	0.0
19	12.881	0.078	0.172	2.58	7.34e-02	1.73e-03	4.92e-05	6.13	0.2	0.0	0.0
20	13.206	0.076	0.169	10.88	0.3	0.15	4.20e-03	0.70	1.99e-02	0.0	0.0
21	13.553	0.074	0.166	2.36	6.72e-02	0.10	2.93e-03	0.09	2.55e-03	0.0	0.0
22	15.802	0.063	0.150	5.00	0.1	0.10	2.72e-03	0.04	1.11e-03	0.0	0.0
23	17.290	0.058	0.144	0.94	2.67e-02	3.13	8.91e-02	1.92	5.46e-02	0.0	0.0
24	17.950	0.056	0.142	0.36	1.02e-02	4.89	0.1	0.31	8.85e-03	0.0	0.0
25	19.382	0.052	0.139	3.88	0.1	2.87	8.16e-02	3.15	8.96e-02	0.0	0.0
26	20.136	0.050	0.137	8.21e-03	2.34e-04	0.83	2.37e-02	98.78	2.8	0.0	0.0
27	21.350	0.047	0.135	0.10	2.74e-03	1.37	3.89e-02	250.96	7.1	0.0	0.0
28	23.320	0.043	0.132	0.54	1.55e-02	6.54	0.2	73.08	2.1	0.0	0.0
29	24.232	0.041	0.131	9.34	0.3	1.28	3.64e-02	1.65	4.68e-02	0.0	0.0
30	26.145	0.038	0.129	1.29	3.67e-02	3.09	8.80e-02	190.45	5.4	0.0	0.0
31	29.703	0.034	0.129	0.44	1.26e-02	0.54	1.53e-02	721.58	20.5	0.0	0.0
32	38.193	0.026	0.128	1.06	3.01e-02	3.71	0.1	51.27	1.5	0.0	0.0
33	38.869	0.026	0.128	2.40	6.82e-02	0.76	2.15e-02	425.02	12.1	0.0	0.0
34	43.887	0.023	0.128	0.54	1.54e-02	0.87	2.46e-02	945.06	26.9	0.0	0.0
35	76.176	0.013	0.127	1.55	4.41e-02	5.90	0.2	342.19	9.7	0.0	0.0
36	81.794	0.012	0.127	7.68	0.2	16.70	0.5	39.18	1.1	0.0	0.0
37	85.617	0.012	0.127	20.27	0.6	3.41	9.69e-02	69.34	2.0	0.0	0.0
Risulta				3511.25		3511.06		3407.29			
In percentuale				99.85		99.85		96.90			

CDC	Tipo	Sigla Id	Note
21	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.320 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	-1.03	0.0	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	-1.03	0.0	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	-1.03	0.0	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	-1.03	0.0	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	-1.03	0.0	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	-1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	-1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	-1.03	0.0	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	-1.03	0.0	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	-1.03	0.0	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	-1.03	0.0	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	-1.03	0.0	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	-1.03	0.0	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	-1.03	0.0	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	-1.03	0.0	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	-1.03	0.0	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	-1.03	0.0	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	-1.03	0.0	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	-1.03	0.0	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	-1.03	0.0	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	-1.03	0.0	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.128	0.320	0.415	45.72	1.3	2950.27	83.9	0.60	1.71e-02	0.0	0.0
2	3.409	0.293	0.402	3000.24	85.3	60.77	1.7	0.52	1.47e-02	0.0	0.0
3	4.120	0.243	0.348	10.22	0.3	0.36	1.02e-02	21.93	0.6	0.0	0.0
4	4.321	0.231	0.313	73.64	2.1	48.70	1.4	0.85	2.42e-02	0.0	0.0
5	4.542	0.220	0.277	0.02	4.33e-04	0.99	2.80e-02	6.61	0.2	0.0	0.0
6	5.765	0.173	0.259	0.07	1.86e-03	2.10	5.97e-02	26.13	0.7	0.0	0.0
7	5.928	0.169	0.255	0.05	1.31e-03	11.92	0.3	38.38	1.1	0.0	0.0
8	6.576	0.152	0.236	4.74	0.1	2.30e-03	6.55e-05	22.87	0.7	0.0	0.0
9	6.798	0.147	0.231	0.02	6.24e-04	2.10	5.97e-02	3.13e-03	8.90e-05	0.0	0.0
10	6.916	0.145	0.228	1.42	4.04e-02	5.54	0.2	24.69	0.7	0.0	0.0
11	8.016	0.125	0.206	0.05	1.28e-03	51.88	1.5	6.79	0.2	0.0	0.0
12	8.235	0.121	0.203	3.53	0.1	18.57	0.5	21.02	0.6	0.0	0.0
13	8.458	0.118	0.202	4.65	0.1	260.13	7.4	0.02	7.00e-04	0.0	0.0
14	8.753	0.114	0.203	9.64	0.3	0.76	2.16e-02	6.55	0.2	0.0	0.0
15	9.172	0.109	0.205	272.60	7.8	3.99	0.1	2.37e-03	6.75e-05	0.0	0.0
16	9.472	0.106	0.207	6.72	0.2	4.86	0.1	9.42	0.3	0.0	0.0
17	11.323	0.088	0.190	1.04	2.97e-02	29.49	0.8	1.18e-04	3.35e-06	0.0	0.0
18	11.822	0.085	0.184	0.83	2.37e-02	7.70	0.2	9.36e-03	2.66e-04	0.0	0.0
19	12.286	0.081	0.178	8.48	0.2	0.06	1.67e-03	2.62e-05	0.0	0.0	0.0
20	12.887	0.078	0.172	2.13	6.07e-02	0.05	1.51e-03	6.28	0.2	0.0	0.0
21	13.310	0.075	0.169	7.11	0.2	0.64	1.81e-02	0.72	2.05e-02	0.0	0.0
22	13.832	0.072	0.164	0.08	2.14e-03	0.48	1.37e-02	1.69e-03	4.81e-05	0.0	0.0
23	15.379	0.065	0.153	0.93	2.64e-02	2.68	7.64e-02	0.13	3.66e-03	0.0	0.0
24	15.824	0.063	0.150	6.97	0.2	0.04	1.19e-03	0.13	3.72e-03	0.0	0.0
25	17.200	0.058	0.144	3.44	9.79e-02	3.11	8.86e-02	4.65	0.1	0.0	0.0
26	20.402	0.049	0.137	1.12	3.18e-02	0.35	1.01e-02	85.81	2.4	0.0	0.0
27	21.042	0.048	0.135	1.47	4.17e-02	4.67e-03	1.33e-04	207.66	5.9	0.0	0.0
28	22.165	0.045	0.134	0.65	1.85e-02	2.24	6.37e-02	95.59	2.7	0.0	0.0
29	24.192	0.041	0.131	4.02	0.1	5.26	0.1	18.35	0.5	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
30	25.256	0.040	0.130	5.94	0.2	2.44	6.93e-02	46.58	1.3	0.0	0.0
31	28.419	0.035	0.129	0.15	4.34e-03	0.42	1.19e-02	774.06	22.0	0.0	0.0
32	36.609	0.027	0.128	0.16	4.61e-03	5.00	0.1	180.90	5.1	0.0	0.0
33	39.322	0.025	0.128	3.57	0.1	0.07	1.86e-03	200.50	5.7	0.0	0.0
34	41.576	0.024	0.128	0.42	1.20e-02	0.90	2.55e-02	1040.27	29.6	0.0	0.0
35	70.160	0.014	0.127	0.05	1.49e-03	1.91	5.44e-02	511.11	14.5	0.0	0.0
36	79.885	0.013	0.127	0.62	1.75e-02	24.57	0.7	27.73	0.8	0.0	0.0
37	84.400	0.012	0.127	28.79	0.8	0.44	1.25e-02	2.36	6.71e-02	0.0	0.0
Risulta				3511.28		3510.81		3389.23			
In percentuale				99.85		99.84		96.38			

CDC	Tipo	Sigla Id	Note
22	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.298 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	0.0	-1.03	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	0.0	-1.03	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	0.0	-1.03	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	0.0	-1.03	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	0.0	-1.03	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	0.0	-1.03	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	0.0	-1.03	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	0.0	-1.03	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	0.0	-1.03	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	0.0	-1.03	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	0.0	-1.03	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	0.0	-1.03	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	0.0	-1.03	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	0.0	-1.03	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	0.0	-1.03	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	0.0	-1.03	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	0.0	-1.03	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	0.0	-1.03	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	0.0	-1.03	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	0.0	-1.03	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	0.0	-1.03	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.049	0.328	0.473	241.55	6.9	2621.67	74.6	0.41	1.16e-02	0.0	0.0
2	3.355	0.298	0.474	2710.52	77.1	321.79	9.2	0.69	1.97e-02	0.0	0.0
3	4.122	0.243	0.386	7.51	0.2	0.78	2.21e-02	22.60	0.6	0.0	0.0
4	4.541	0.220	0.317	3.55	0.1	0.22	6.16e-03	6.05	0.2	0.0	0.0
5	4.678	0.214	0.315	163.59	4.7	113.61	3.2	0.70	1.99e-02	0.0	0.0
6	5.765	0.173	0.303	0.08	2.18e-03	2.14	6.09e-02	26.25	0.7	0.0	0.0
7	5.930	0.169	0.297	0.13	3.70e-03	12.87	0.4	38.74	1.1	0.0	0.0
8	6.172	0.162	0.289	0.05	1.52e-03	2.79	7.92e-02	0.02	6.64e-04	0.0	0.0
9	6.581	0.152	0.276	4.65	0.1	0.02	5.71e-04	22.36	0.6	0.0	0.0
10	6.915	0.145	0.267	1.39	3.94e-02	6.89	0.2	24.62	0.7	0.0	0.0
11	7.981	0.125	0.243	0.70	2.00e-02	114.43	3.3	3.78	0.1	0.0	0.0
12	8.201	0.122	0.239	5.01	0.1	74.30	2.1	21.66	0.6	0.0	0.0
13	8.320	0.120	0.237	2.52	7.16e-02	133.48	3.8	2.40	6.83e-02	0.0	0.0
14	8.755	0.114	0.236	28.42	0.8	0.23	6.52e-03	5.92	0.2	0.0	0.0
15	8.909	0.112	0.235	256.53	7.3	0.48	1.36e-02	0.63	1.79e-02	0.0	0.0
16	9.469	0.106	0.234	2.06	5.86e-02	4.75	0.1	9.55	0.3	0.0	0.0
17	11.346	0.088	0.214	0.21	5.84e-03	38.92	1.1	4.00e-03	1.14e-04	0.0	0.0
18	12.353	0.081	0.202	11.16	0.3	10.05	0.3	0.02	6.52e-04	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
19	12.718	0.079	0.198	5.96	0.2	0.12	3.40e-03	2.39	6.81e-02	0.0	0.0
20	13.036	0.077	0.195	1.82	5.17e-02	0.05	1.29e-03	4.56	0.1	0.0	0.0
21	13.754	0.073	0.189	4.89	0.1	0.13	3.73e-03	0.07	1.92e-03	0.0	0.0
22	15.021	0.067	0.179	0.03	9.55e-04	0.70	1.98e-02	0.02	5.19e-04	0.0	0.0
23	15.237	0.066	0.178	6.51	0.2	1.65e-06	0.0	0.02	4.54e-04	0.0	0.0
24	17.088	0.059	0.168	0.50	1.42e-02	3.60	0.1	0.54	1.54e-02	0.0	0.0
25	19.733	0.051	0.162	6.58	0.2	3.16	8.98e-02	35.24	1.0	0.0	0.0
26	20.612	0.049	0.160	0.54	1.55e-02	0.16	4.41e-03	197.68	5.6	0.0	0.0
27	21.433	0.047	0.159	0.29	8.20e-03	2.49	7.09e-02	5.93	0.2	0.0	0.0
28	22.675	0.044	0.157	0.15	4.36e-03	0.23	6.59e-03	231.98	6.6	0.0	0.0
29	24.331	0.041	0.155	6.87	0.2	2.75	7.81e-02	3.76e-04	1.07e-05	0.0	0.0
30	24.850	0.040	0.154	2.25	6.39e-02	6.17	0.2	3.94	0.1	0.0	0.0
31	29.058	0.034	0.153	1.51e-04	4.30e-06	0.03	9.63e-04	852.98	24.3	0.0	0.0
32	37.029	0.027	0.152	4.60	0.1	1.39	3.96e-02	7.61	0.2	0.0	0.0
33	39.908	0.025	0.152	1.09	3.09e-02	4.29	0.1	5.50	0.2	0.0	0.0
34	41.630	0.024	0.152	4.22e-03	1.20e-04	0.06	1.71e-03	1365.94	38.8	0.0	0.0
35	74.105	0.013	0.152	0.05	1.51e-03	0.47	1.32e-02	489.96	13.9	0.0	0.0
36	81.401	0.012	0.152	8.95	0.3	18.10	0.5	7.37	0.2	0.0	0.0
37	83.258	0.012	0.152	20.28	0.6	8.00	0.2	0.60	1.72e-02	0.0	0.0
Risulta				3510.99		3511.30		3398.74			
In percentuale				99.85		99.85		96.65			

CDC	Tipo	Sigla Id	Note
23	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.291 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	0.0	1.03	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	0.0	1.03	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	0.0	1.03	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	0.0	1.03	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	0.0	1.03	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	0.0	1.03	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	0.0	1.03	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	0.0	1.03	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	0.0	1.03	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	0.0	1.03	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	0.0	1.03	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	0.0	1.03	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	0.0	1.03	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	0.0	1.03	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	0.0	1.03	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	0.0	1.03	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	0.0	1.03	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	0.0	1.03	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	0.0	1.03	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	0.0	1.03	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	0.0	1.03	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.066	0.326	0.478	2.41	6.84e-02	2883.23	82.0	0.62	1.77e-02	0.0	0.0
2	3.440	0.291	0.464	3125.96	88.9	1.39	3.94e-02	0.42	1.21e-02	0.0	0.0
3	4.118	0.243	0.388	1.67	4.76e-02	0.92	2.61e-02	22.40	0.6	0.0	0.0
4	4.357	0.230	0.345	2.78	7.92e-02	168.31	4.8	0.31	8.92e-03	0.0	0.0
5	4.543	0.220	0.316	0.37	1.05e-02	2.68	7.63e-02	6.59	0.2	0.0	0.0
6	5.765	0.173	0.303	0.05	1.33e-03	2.22	6.32e-02	26.25	0.7	0.0	0.0
7	5.929	0.169	0.297	0.03	9.27e-04	12.31	0.4	38.52	1.1	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
8	6.167	0.162	0.289	1.89e-05	0.0	2.53	7.19e-02	0.01	3.44e-04	0.0	0.0
9	6.571	0.152	0.277	5.30	0.2	1.71e-03	4.85e-05	23.25	0.7	0.0	0.0
10	6.912	0.145	0.267	1.37	3.89e-02	7.31	0.2	24.18	0.7	0.0	0.0
11	7.983	0.125	0.243	0.01	3.92e-04	112.78	3.2	4.11	0.1	0.0	0.0
12	8.209	0.122	0.239	0.56	1.59e-02	81.35	2.3	21.11	0.6	0.0	0.0
13	8.311	0.120	0.237	5.64	0.2	126.08	3.6	2.73	7.75e-02	0.0	0.0
14	8.747	0.114	0.236	9.70	0.3	1.70	4.85e-02	6.49	0.2	0.0	0.0
15	9.333	0.107	0.235	237.32	6.7	5.52	0.2	0.73	2.09e-02	0.0	0.0
16	9.490	0.105	0.234	47.57	1.4	1.74	4.95e-02	8.56	0.2	0.0	0.0
17	11.285	0.089	0.215	0.03	8.90e-04	44.85	1.3	9.03e-03	2.57e-04	0.0	0.0
18	11.789	0.085	0.208	0.42	1.18e-02	1.09	3.10e-02	2.25e-03	6.39e-05	0.0	0.0
19	12.164	0.082	0.204	5.98	0.2	0.03	8.87e-04	8.17e-03	2.32e-04	0.0	0.0
20	12.912	0.077	0.196	1.23	3.51e-02	5.57e-03	1.58e-04	6.82	0.2	0.0	0.0
21	13.569	0.074	0.191	7.68	0.2	0.43	1.22e-02	0.15	4.13e-03	0.0	0.0
22	15.613	0.064	0.175	2.63	7.48e-02	4.38	0.1	0.57	1.62e-02	0.0	0.0
23	16.248	0.062	0.172	5.40	0.2	1.43	4.06e-02	0.44	1.27e-02	0.0	0.0
24	16.672	0.060	0.169	1.82e-03	5.17e-05	3.48	9.91e-02	0.40	1.13e-02	0.0	0.0
25	17.837	0.056	0.166	0.39	1.12e-02	0.33	9.43e-03	3.67	0.1	0.0	0.0
26	19.484	0.051	0.163	1.53	4.35e-02	0.29	8.33e-03	8.08	0.2	0.0	0.0
27	21.062	0.047	0.160	0.24	6.82e-03	1.55e-05	0.0	356.08	10.1	0.0	0.0
28	22.842	0.044	0.157	2.35	6.69e-02	6.01	0.2	15.57	0.4	0.0	0.0
29	23.915	0.042	0.155	5.79	0.2	4.28	0.1	5.28	0.2	0.0	0.0
30	26.310	0.038	0.154	2.87	8.16e-02	1.32	3.76e-02	189.61	5.4	0.0	0.0
31	28.674	0.035	0.153	0.89	2.54e-02	0.58	1.64e-02	650.99	18.5	0.0	0.0
32	35.930	0.028	0.153	0.59	1.69e-02	4.55	0.1	40.76	1.2	0.0	0.0
33	39.241	0.025	0.152	1.37	3.89e-02	0.09	2.59e-03	917.38	26.1	0.0	0.0
34	44.393	0.023	0.152	2.11	6.01e-02	0.87	2.46e-02	492.58	14.0	0.0	0.0
35	70.860	0.014	0.152	1.32	3.76e-02	1.43	4.06e-02	481.69	13.7	0.0	0.0
36	79.579	0.013	0.152	4.62	0.1	22.09	0.6	6.88	0.2	0.0	0.0
37	85.730	0.012	0.152	22.99	0.7	3.22	9.15e-02	27.84	0.8	0.0	0.0
Risulta				3511.19		3510.84		3391.07			
In percentuale				99.85		99.84		96.44			

CDC	Tipo	Sigla Id	Note
24	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.336 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	1.03	0.0	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	1.03	0.0	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	1.03	0.0	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	1.03	0.0	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	1.03	0.0	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	1.03	0.0	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	1.03	0.0	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	1.03	0.0	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	1.03	0.0	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	1.03	0.0	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	1.03	0.0	5.70	12.50	1.017	0.813	0.663
3.93	33.24	13.24	6.51	1.03	0.0	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	1.03	0.0	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	1.03	0.0	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	1.03	0.0	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	1.03	0.0	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	1.03	0.0	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	1.03	0.0	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	1.03	0.0	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	2.974	0.336	0.452	59.91	1.7	2743.06	78.0	0.47	1.33e-02	0.0	0.0
2	3.422	0.292	0.466	3026.01	86.1	83.58	2.4	0.59	1.68e-02	0.0	0.0
3	4.121	0.243	0.387	5.65	0.2	3.13e-03	8.91e-05	22.76	0.6	0.0	0.0
4	4.540	0.220	0.317	1.65	4.69e-02	1.59	4.54e-02	6.10	0.2	0.0	0.0
5	4.692	0.213	0.315	36.65	1.0	224.04	6.4	0.38	1.08e-02	0.0	0.0
6	5.688	0.176	0.305	0.03	7.55e-04	3.68	0.1	0.03	9.22e-04	0.0	0.0
7	5.765	0.173	0.303	0.05	1.39e-03	2.30	6.54e-02	26.28	0.7	0.0	0.0
8	5.931	0.169	0.297	0.09	2.66e-03	13.96	0.4	38.92	1.1	0.0	0.0
9	6.577	0.152	0.276	4.95	0.1	2.81e-04	8.00e-06	22.77	0.6	0.0	0.0
10	6.910	0.145	0.267	1.25	3.55e-02	9.87	0.3	23.97	0.7	0.0	0.0
11	7.859	0.127	0.246	0.46	1.32e-02	246.79	7.0	0.35	9.96e-03	0.0	0.0
12	8.131	0.123	0.240	0.14	3.92e-03	54.36	1.5	15.92	0.5	0.0	0.0
13	8.267	0.121	0.238	4.83	0.1	15.22	0.4	11.86	0.3	0.0	0.0
14	8.755	0.114	0.236	10.46	0.3	0.68	1.95e-02	6.48	0.2	0.0	0.0
15	9.156	0.109	0.235	271.74	7.7	0.01	3.66e-04	4.41e-03	1.26e-04	0.0	0.0
16	9.472	0.106	0.234	10.06	0.3	3.46	9.83e-02	9.41	0.3	0.0	0.0
17	11.036	0.091	0.218	0.17	4.70e-03	37.19	1.1	0.02	6.44e-04	0.0	0.0
18	12.610	0.079	0.199	5.93	0.2	15.02	0.4	0.07	2.08e-03	0.0	0.0
19	12.881	0.078	0.197	2.58	7.34e-02	1.73e-03	4.92e-05	6.13	0.2	0.0	0.0
20	13.206	0.076	0.194	10.88	0.3	0.15	4.20e-03	0.70	1.99e-02	0.0	0.0
21	13.553	0.074	0.191	2.36	6.72e-02	0.10	2.93e-03	0.09	2.55e-03	0.0	0.0
22	15.802	0.063	0.174	5.00	0.1	0.10	2.72e-03	0.04	1.11e-03	0.0	0.0
23	17.290	0.058	0.167	0.94	2.67e-02	3.13	8.91e-02	1.92	5.46e-02	0.0	0.0
24	17.950	0.056	0.166	0.36	1.02e-02	4.89	0.1	0.31	8.85e-03	0.0	0.0
25	19.382	0.052	0.163	3.88	0.1	2.87	8.16e-02	3.15	8.96e-02	0.0	0.0
26	20.136	0.050	0.161	8.21e-03	2.34e-04	0.83	2.37e-02	98.78	2.8	0.0	0.0
27	21.350	0.047	0.159	0.10	2.74e-03	1.37	3.89e-02	250.96	7.1	0.0	0.0
28	23.320	0.043	0.156	0.54	1.55e-02	6.54	0.2	73.08	2.1	0.0	0.0
29	24.232	0.041	0.155	9.34	0.3	1.28	3.64e-02	1.65	4.68e-02	0.0	0.0
30	26.145	0.038	0.154	1.29	3.67e-02	3.09	8.80e-02	190.45	5.4	0.0	0.0
31	29.703	0.034	0.153	0.44	1.26e-02	0.54	1.53e-02	721.58	20.5	0.0	0.0
32	38.193	0.026	0.152	1.06	3.01e-02	3.71	0.1	51.27	1.5	0.0	0.0
33	38.869	0.026	0.152	2.40	6.82e-02	0.76	2.15e-02	425.02	12.1	0.0	0.0
34	43.887	0.023	0.152	0.54	1.54e-02	0.87	2.46e-02	945.06	26.9	0.0	0.0
35	76.176	0.013	0.152	1.55	4.41e-02	5.90	0.2	342.19	9.7	0.0	0.0
36	81.794	0.012	0.152	7.68	0.2	16.70	0.5	39.18	1.1	0.0	0.0
37	85.617	0.012	0.152	20.27	0.6	3.41	9.69e-02	69.34	2.0	0.0	0.0
Risulta				3511.25		3511.06		3407.29			
In percentuale				99.85		99.85		96.90			

CDC	Tipo	Sigla Id	Note
25	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.320 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 37
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	479.37	12.67	7.65	-1.03	0.0	6.88	12.00	1.181	0.593	0.475
10.10	32.43	13.24	6.73	-1.03	0.0	6.87	12.02	1.181	0.654	0.578
9.60	28.40	13.00	7.25	-1.03	0.0	5.83	12.92	0.901	0.841	0.709
9.10	24.37	12.68	7.95	-1.03	0.0	5.83	12.92	0.901	0.803	0.622
8.60	25.95	12.41	7.70	-1.03	0.0	5.83	12.73	0.923	0.757	0.622
8.07	27.53	12.18	7.48	-1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.53	27.53	12.18	7.48	-1.03	0.0	5.70	12.56	0.985	0.747	0.609
7.00	1300.64	12.19	7.29	-1.03	0.0	5.88	12.71	0.929	0.724	0.669
6.50	26.87	12.32	7.74	-1.03	0.0	5.87	12.73	0.927	0.742	0.617
6.00	25.27	12.49	7.77	-1.03	0.0	5.84	12.86	0.928	0.780	0.629
5.50	23.68	12.67	7.81	-1.03	0.0	5.84	12.86	0.928	0.801	0.624
5.00	25.24	12.39	7.55	-1.03	0.0	5.84	12.67	0.951	0.755	0.624
4.47	30.02	12.75	6.87	-1.03	0.0	5.70	12.50	1.017	0.813	0.663

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
3.93	33.24	13.24	6.51	-1.03	0.0	5.70	12.50	1.017	0.868	0.706
3.40	1241.51	11.91	6.84	-1.03	0.0	7.97	9.56	0.692	0.568	0.308
2.95	26.94	12.23	7.67	-1.03	0.0	7.97	9.58	0.678	0.616	0.216
2.50	26.85	12.38	7.70	-1.03	0.0	7.95	9.57	0.656	0.650	0.210
2.00	26.75	12.53	7.73	-1.03	0.0	7.95	9.57	0.656	0.671	0.207
1.50	27.47	12.30	7.51	-1.03	0.0	7.95	9.39	0.671	0.630	0.211
1.00	28.19	12.07	7.31	-1.03	0.0	7.95	9.39	0.671	0.598	0.234
0.50	28.19	12.07	7.31	-1.03	0.0	7.95	9.39	0.671	0.598	0.234
Risulta	3516.43									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.128	0.320	0.494	45.72	1.3	2950.27	83.9	0.60	1.71e-02	0.0	0.0
2	3.409	0.293	0.468	3000.24	85.3	60.77	1.7	0.52	1.47e-02	0.0	0.0
3	4.120	0.243	0.387	10.22	0.3	0.36	1.02e-02	21.93	0.6	0.0	0.0
4	4.321	0.231	0.351	73.64	2.1	48.70	1.4	0.85	2.42e-02	0.0	0.0
5	4.542	0.220	0.316	0.02	4.33e-04	0.99	2.80e-02	6.61	0.2	0.0	0.0
6	5.765	0.173	0.303	0.07	1.86e-03	2.10	5.97e-02	26.13	0.7	0.0	0.0
7	5.928	0.169	0.297	0.05	1.31e-03	11.92	0.3	38.38	1.1	0.0	0.0
8	6.576	0.152	0.276	4.74	0.1	2.30e-03	6.55e-05	22.87	0.7	0.0	0.0
9	6.798	0.147	0.270	0.02	6.24e-04	2.10	5.97e-02	3.13e-03	8.90e-05	0.0	0.0
10	6.916	0.145	0.267	1.42	4.04e-02	5.54	0.2	24.69	0.7	0.0	0.0
11	8.016	0.125	0.242	0.05	1.28e-03	51.88	1.5	6.79	0.2	0.0	0.0
12	8.235	0.121	0.238	3.53	0.1	18.57	0.5	21.02	0.6	0.0	0.0
13	8.458	0.118	0.236	4.65	0.1	260.13	7.4	0.02	7.00e-04	0.0	0.0
14	8.753	0.114	0.236	9.64	0.3	0.76	2.16e-02	6.55	0.2	0.0	0.0
15	9.172	0.109	0.235	272.60	7.8	3.99	0.1	2.37e-03	6.75e-05	0.0	0.0
16	9.472	0.106	0.234	6.72	0.2	4.86	0.1	9.42	0.3	0.0	0.0
17	11.323	0.088	0.214	1.04	2.97e-02	29.49	0.8	1.18e-04	3.35e-06	0.0	0.0
18	11.822	0.085	0.208	0.83	2.37e-02	7.70	0.2	9.36e-03	2.66e-04	0.0	0.0
19	12.286	0.081	0.203	8.48	0.2	0.06	1.67e-03	2.62e-05	0.0	0.0	0.0
20	12.887	0.078	0.197	2.13	6.07e-02	0.05	1.51e-03	6.28	0.2	0.0	0.0
21	13.310	0.075	0.193	7.11	0.2	0.64	1.81e-02	0.72	2.05e-02	0.0	0.0
22	13.832	0.072	0.188	0.08	2.14e-03	0.48	1.37e-02	1.69e-03	4.81e-05	0.0	0.0
23	15.379	0.065	0.177	0.93	2.64e-02	2.68	7.64e-02	0.13	3.66e-03	0.0	0.0
24	15.824	0.063	0.174	6.97	0.2	0.04	1.19e-03	0.13	3.72e-03	0.0	0.0
25	17.200	0.058	0.168	3.44	9.79e-02	3.11	8.86e-02	4.65	0.1	0.0	0.0
26	20.402	0.049	0.161	1.12	3.18e-02	0.35	1.01e-02	85.81	2.4	0.0	0.0
27	21.042	0.048	0.160	1.47	4.17e-02	4.67e-03	1.33e-04	207.66	5.9	0.0	0.0
28	22.165	0.045	0.158	0.65	1.85e-02	2.24	6.37e-02	95.59	2.7	0.0	0.0
29	24.192	0.041	0.155	4.02	0.1	5.26	0.1	18.35	0.5	0.0	0.0
30	25.256	0.040	0.154	5.94	0.2	2.44	6.93e-02	46.58	1.3	0.0	0.0
31	28.419	0.035	0.153	0.15	4.34e-03	0.42	1.19e-02	774.06	22.0	0.0	0.0
32	36.609	0.027	0.152	0.16	4.61e-03	5.00	0.1	180.90	5.1	0.0	0.0
33	39.322	0.025	0.152	3.57	0.1	0.07	1.86e-03	200.50	5.7	0.0	0.0
34	41.576	0.024	0.152	0.42	1.20e-02	0.90	2.55e-02	1040.27	29.6	0.0	0.0
35	70.160	0.014	0.152	0.05	1.49e-03	1.91	5.44e-02	511.11	14.5	0.0	0.0
36	79.885	0.013	0.152	0.62	1.75e-02	24.57	0.7	27.73	0.8	0.0	0.0
37	84.400	0.012	0.152	28.79	0.8	0.44	1.25e-02	2.36	6.71e-02	0.0	0.0
Risulta				3511.28		3510.81		3389.23			
In percentuale				99.85		99.84		96.38			

Cmb	Pilas.	1000 etaT/h	etaT mm	inter. h cm	Pilas.	1000 etaT/h	etaT mm	inter. h cm	Pilas.	1000 etaT/h	etaT mm	inter. h cm
113	1	1.40	4.76	340.0	2	1.73	5.89	340.0	3	1.45	5.22	360.0
	4	1.56	5.61	360.0	5	0.64	2.32	360.0	6	0.75	2.69	360.0
	7	1.36	4.62	340.0								
114	1	1.29	4.40	340.0	2	1.28	4.36	340.0	3	0.82	2.94	360.0
	4	1.07	3.85	360.0	5	0.38	1.35	360.0	6	0.44	1.59	360.0
	7	1.25	4.24	340.0								
115	1	1.31	4.47	340.0	2	1.29	4.39	340.0	3	0.90	3.25	360.0
	4	1.14	4.11	360.0	5	0.51	1.83	360.0	6	0.55	2.00	360.0
	7	1.27	4.32	340.0								
116	1	1.40	4.76	340.0	2	1.73	5.87	340.0	3	1.41	5.08	360.0
	4	1.52	5.47	360.0	5	0.58	2.07	360.0	6	0.70	2.51	360.0
	7	1.36	4.64	340.0								
117	1	1.44	4.89	340.0	2	1.70	5.78	340.0	3	1.43	5.16	360.0
	4	1.54	5.54	360.0	5	0.65	2.35	360.0	6	0.74	2.66	360.0
	7	1.41	4.78	340.0								

118	1	1.28	4.34	340.0	2	1.34	4.57	340.0	3	0.86	3.11	360.0
	4	1.12	4.03	360.0	5	0.38	1.36	360.0	6	0.46	1.67	360.0
	7	1.23	4.19	340.0								
119	1	1.30	4.41	340.0	2	1.35	4.60	340.0	3	0.96	3.46	360.0
	4	1.20	4.32	360.0	5	0.52	1.88	360.0	6	0.58	2.10	360.0
	7	1.26	4.27	340.0								
120	1	1.44	4.89	340.0	2	1.69	5.75	340.0	3	1.38	4.98	360.0
	4	1.49	5.36	360.0	5	0.58	2.07	360.0	6	0.68	2.44	360.0
	7	1.41	4.80	340.0								
121	1	1.28	4.35	340.0	2	1.41	4.80	340.0	3	1.30	4.68	360.0
	4	1.23	4.44	360.0	5	0.66	2.38	360.0	6	0.71	2.56	360.0
	7	1.29	4.39	340.0								
122	1	1.43	4.85	340.0	2	1.18	4.03	340.0	3	0.91	3.28	360.0
	4	0.96	3.45	360.0	5	0.39	1.39	360.0	6	0.38	1.38	360.0
	7	1.42	4.84	340.0								
123	1	1.46	4.95	340.0	2	1.20	4.09	340.0	3	1.07	3.87	360.0
	4	1.11	3.99	360.0	5	0.51	1.82	360.0	6	0.48	1.74	360.0
	7	1.45	4.94	340.0								
124	1	1.29	4.39	340.0	2	1.41	4.80	340.0	3	1.32	4.77	360.0
	4	1.24	4.47	360.0	5	0.59	2.11	360.0	6	0.64	2.30	360.0
	7	1.31	4.44	340.0								
125	1	1.31	4.45	340.0	2	1.37	4.65	340.0	3	1.27	4.57	360.0
	4	1.20	4.32	360.0	5	0.67	2.41	360.0	6	0.71	2.55	360.0
	7	1.32	4.49	340.0								
126	1	1.42	4.84	340.0	2	1.25	4.27	340.0	3	0.97	3.51	360.0
	4	1.02	3.68	360.0	5	0.39	1.39	360.0	6	0.40	1.45	360.0
	7	1.42	4.84	340.0								
127	1	1.45	4.94	340.0	2	1.27	4.33	340.0	3	1.14	4.10	360.0
	4	1.17	4.22	360.0	5	0.52	1.87	360.0	6	0.51	1.85	360.0
	7	1.46	4.95	340.0								
128	1	1.32	4.49	340.0	2	1.37	4.65	340.0	3	1.28	4.62	360.0
	4	1.20	4.31	360.0	5	0.59	2.11	360.0	6	0.62	2.24	360.0
	7	1.34	4.55	340.0								
129	1	1.43	4.88	340.0	2	1.67	5.66	340.0	3	1.72	6.21	360.0
	4	1.66	5.97	360.0	5	0.84	3.03	360.0	6	0.89	3.20	360.0
	7	1.33	4.53	340.0								
130	1	1.31	4.45	340.0	2	1.17	3.99	340.0	3	1.11	4.00	360.0
	4	1.06	3.82	360.0	5	0.45	1.62	360.0	6	0.46	1.65	360.0
	7	1.20	4.08	340.0								
131	1	1.34	4.57	340.0	2	1.20	4.09	340.0	3	1.29	4.66	360.0
	4	1.27	4.57	360.0	5	0.74	2.65	360.0	6	0.73	2.61	360.0
	7	1.23	4.19	340.0								
132	1	1.41	4.78	340.0	2	1.64	5.59	340.0	3	1.59	5.74	360.0
	4	1.51	5.43	360.0	5	0.62	2.22	360.0	6	0.70	2.51	360.0
	7	1.31	4.45	340.0								
133	1	1.31	4.45	340.0	2	1.53	5.20	340.0	3	1.63	5.87	360.0
	4	1.53	5.51	360.0	5	0.85	3.05	360.0	6	0.89	3.19	360.0
	7	1.21	4.11	340.0								
134	1	1.43	4.87	340.0	2	1.30	4.43	340.0	3	1.22	4.40	360.0
	4	1.18	4.26	360.0	5	0.45	1.60	360.0	6	0.46	1.65	360.0
	7	1.33	4.53	340.0								
135	1	1.47	5.00	340.0	2	1.33	4.53	340.0	3	1.41	5.07	360.0
	4	1.39	5.00	360.0	5	0.73	2.63	360.0	6	0.72	2.59	360.0
	7	1.36	4.64	340.0								
136	1	1.28	4.36	340.0	2	1.51	5.13	340.0	3	1.51	5.44	360.0
	4	1.38	4.97	360.0	5	0.62	2.24	360.0	6	0.69	2.48	360.0
	7	1.19	4.04	340.0								
137	1	1.58	5.38	340.0	2	1.70	5.79	340.0	3	1.77	6.37	360.0
	4	1.72	6.18	360.0	5	0.90	3.22	360.0	6	0.92	3.30	360.0
	7	1.54	5.22	340.0								
138	1	1.41	4.80	340.0	2	1.33	4.51	340.0	3	1.21	4.34	360.0
	4	1.20	4.32	360.0	5	0.51	1.84	360.0	6	0.51	1.82	360.0
	7	1.36	4.62	340.0								
139	1	1.45	4.92	340.0	2	1.36	4.61	340.0	3	1.41	5.07	360.0
	4	1.42	5.10	360.0	5	0.80	2.87	360.0	6	0.79	2.84	360.0
	7	1.39	4.73	340.0								
140	1	1.55	5.28	340.0	2	1.68	5.71	340.0	3	1.62	5.82	360.0
	4	1.55	5.57	360.0	5	0.66	2.37	360.0	6	0.70	2.51	360.0
	7	1.51	5.14	340.0								
141	1	1.46	4.95	340.0	2	1.56	5.32	340.0	3	1.67	6.00	360.0
	4	1.59	5.72	360.0	5	0.90	3.25	360.0	6	0.92	3.30	360.0
	7	1.41	4.80	340.0								
142	1	1.54	5.23	340.0	2	1.45	4.92	340.0	3	1.32	4.76	360.0
	4	1.32	4.74	360.0	5	0.50	1.81	360.0	6	0.50	1.80	360.0
	7	1.49	5.07	340.0								

143	1	1.57	5.35	340.0	2	1.48	5.02	340.0	3	1.53	5.49	360.0
	4	1.53	5.51	360.0	5	0.79	2.85	360.0	6	0.78	2.81	360.0
	7	1.52	5.18	340.0								
144	1	1.43	4.86	340.0	2	1.54	5.23	340.0	3	1.52	5.47	360.0
	4	1.42	5.10	360.0	5	0.67	2.40	360.0	6	0.69	2.49	360.0
	7	1.39	4.73	340.0								
145	1	1.57	5.35	340.0	2	1.95	6.62	340.0	3	1.63	5.86	360.0
	4	1.75	6.31	360.0	5	0.72	2.58	360.0	6	0.84	3.01	360.0
	7	1.53	5.20	340.0								
146	1	1.45	4.95	340.0	2	1.44	4.90	340.0	3	0.92	3.31	360.0
	4	1.20	4.33	360.0	5	0.42	1.53	360.0	6	0.50	1.79	360.0
	7	1.40	4.77	340.0								
147	1	1.48	5.02	340.0	2	1.45	4.93	340.0	3	1.01	3.63	360.0
	4	1.28	4.60	360.0	5	0.56	2.01	360.0	6	0.61	2.20	360.0
	7	1.43	4.85	340.0								
148	1	1.58	5.36	340.0	2	1.94	6.60	340.0	3	1.59	5.72	360.0
	4	1.71	6.16	360.0	5	0.65	2.33	360.0	6	0.78	2.82	360.0
	7	1.53	5.22	340.0								
149	1	1.62	5.50	340.0	2	1.91	6.50	340.0	3	1.61	5.79	360.0
	4	1.73	6.22	360.0	5	0.73	2.61	360.0	6	0.83	2.97	360.0
	7	1.58	5.38	340.0								
150	1	1.43	4.88	340.0	2	1.51	5.13	340.0	3	0.98	3.51	360.0
	4	1.26	4.54	360.0	5	0.42	1.52	360.0	6	0.52	1.87	360.0
	7	1.38	4.71	340.0								
151	1	1.46	4.95	340.0	2	1.52	5.16	340.0	3	1.07	3.86	360.0
	4	1.34	4.83	360.0	5	0.57	2.07	360.0	6	0.65	2.32	360.0
	7	1.41	4.79	340.0								
152	1	1.62	5.50	340.0	2	1.90	6.47	340.0	3	1.56	5.61	360.0
	4	1.68	6.04	360.0	5	0.65	2.33	360.0	6	0.76	2.74	360.0
	7	1.59	5.39	340.0								
153	1	1.44	4.89	340.0	2	1.59	5.40	340.0	3	1.46	5.27	360.0
	4	1.39	5.00	360.0	5	0.74	2.65	360.0	6	0.80	2.86	360.0
	7	1.45	4.94	340.0								
154	1	1.61	5.46	340.0	2	1.33	4.53	340.0	3	1.03	3.72	360.0
	4	1.09	3.91	360.0	5	0.43	1.56	360.0	6	0.43	1.55	360.0
	7	1.60	5.45	340.0								
155	1	1.64	5.56	340.0	2	1.35	4.59	340.0	3	1.20	4.31	360.0
	4	1.24	4.45	360.0	5	0.56	2.01	360.0	6	0.53	1.92	360.0
	7	1.63	5.55	340.0								
156	1	1.45	4.93	340.0	2	1.59	5.41	340.0	3	1.49	5.35	360.0
	4	1.39	5.02	360.0	5	0.66	2.38	360.0	6	0.72	2.59	360.0
	7	1.47	4.99	340.0								
157	1	1.47	5.01	340.0	2	1.54	5.23	340.0	3	1.43	5.14	360.0
	4	1.35	4.86	360.0	5	0.75	2.68	360.0	6	0.79	2.84	360.0
	7	1.49	5.06	340.0								
158	1	1.60	5.45	340.0	2	1.41	4.80	340.0	3	1.11	3.98	360.0
	4	1.16	4.17	360.0	5	0.44	1.58	360.0	6	0.45	1.64	360.0
	7	1.60	5.46	340.0								
159	1	1.63	5.55	340.0	2	1.43	4.87	340.0	3	1.27	4.58	360.0
	4	1.31	4.72	360.0	5	0.57	2.06	360.0	6	0.57	2.04	360.0
	7	1.64	5.56	340.0								
160	1	1.48	5.04	340.0	2	1.54	5.23	340.0	3	1.44	5.18	360.0
	4	1.35	4.85	360.0	5	0.66	2.38	360.0	6	0.70	2.53	360.0
	7	1.50	5.11	340.0								
161	1	1.62	5.52	340.0	2	1.88	6.40	340.0	3	1.94	6.99	360.0
	4	1.87	6.72	360.0	5	0.94	3.37	360.0	6	0.99	3.57	360.0
	7	1.51	5.12	340.0								
162	1	1.48	5.04	340.0	2	1.33	4.52	340.0	3	1.27	4.58	360.0
	4	1.22	4.38	360.0	5	0.53	1.91	360.0	6	0.54	1.94	360.0
	7	1.36	4.62	340.0								
163	1	1.52	5.17	340.0	2	1.36	4.63	340.0	3	1.45	5.24	360.0
	4	1.43	5.13	360.0	5	0.82	2.93	360.0	6	0.80	2.89	360.0
	7	1.39	4.73	340.0								
164	1	1.59	5.42	340.0	2	1.86	6.33	340.0	3	1.81	6.52	360.0
	4	1.72	6.18	360.0	5	0.71	2.56	360.0	6	0.80	2.88	360.0
	7	1.48	5.05	340.0								
165	1	1.48	5.04	340.0	2	1.73	5.88	340.0	3	1.84	6.61	360.0
	4	1.72	6.20	360.0	5	0.94	3.40	360.0	6	0.99	3.56	360.0
	7	1.37	4.65	340.0								
166	1	1.62	5.52	340.0	2	1.48	5.02	340.0	3	1.40	5.02	360.0
	4	1.36	4.88	360.0	5	0.52	1.88	360.0	6	0.54	1.93	360.0
	7	1.51	5.13	340.0								
167	1	1.66	5.65	340.0	2	1.51	5.12	340.0	3	1.58	5.70	360.0
	4	1.56	5.62	360.0	5	0.81	2.91	360.0	6	0.80	2.87	360.0
	7	1.54	5.24	340.0								

168	1	1.45	4.94	340.0	2	1.71	5.81	340.0	3	1.71	6.17	360.0
	4	1.57	5.66	360.0	5	0.72	2.59	360.0	6	0.79	2.85	360.0
	7	1.35	4.58	340.0								
169	1	1.79	6.07	340.0	2	1.92	6.54	340.0	3	1.99	7.16	360.0
	4	1.93	6.95	360.0	5	1.00	3.59	360.0	6	1.02	3.67	360.0
	7	1.73	5.90	340.0								
170	1	1.60	5.44	340.0	2	1.50	5.11	340.0	3	1.38	4.96	360.0
	4	1.37	4.94	360.0	5	0.60	2.14	360.0	6	0.59	2.12	360.0
	7	1.54	5.23	340.0								
171	1	1.63	5.56	340.0	2	1.53	5.21	340.0	3	1.58	5.69	360.0
	4	1.59	5.72	360.0	5	0.88	3.18	360.0	6	0.87	3.14	360.0
	7	1.57	5.34	340.0								
172	1	1.76	5.98	340.0	2	1.90	6.45	340.0	3	1.84	6.61	360.0
	4	1.76	6.33	360.0	5	0.76	2.73	360.0	6	0.80	2.88	360.0
	7	1.71	5.82	340.0								
173	1	1.65	5.60	340.0	2	1.77	6.01	340.0	3	1.87	6.74	360.0
	4	1.78	6.42	360.0	5	1.00	3.61	360.0	6	1.02	3.68	360.0
	7	1.60	5.43	340.0								
174	1	1.74	5.92	340.0	2	1.64	5.57	340.0	3	1.51	5.44	360.0
	4	1.50	5.41	360.0	5	0.59	2.12	360.0	6	0.58	2.10	360.0
	7	1.69	5.74	340.0								
175	1	1.78	6.05	340.0	2	1.67	5.68	340.0	3	1.71	6.17	360.0
	4	1.72	6.19	360.0	5	0.88	3.16	360.0	6	0.86	3.11	360.0
	7	1.72	5.85	340.0								
176	1	1.62	5.51	340.0	2	1.74	5.92	340.0	3	1.73	6.21	360.0
	4	1.61	5.81	360.0	5	0.77	2.76	360.0	6	0.80	2.87	360.0
	7	1.58	5.36	340.0								

Cmb	1000 etaT/h
	1.99

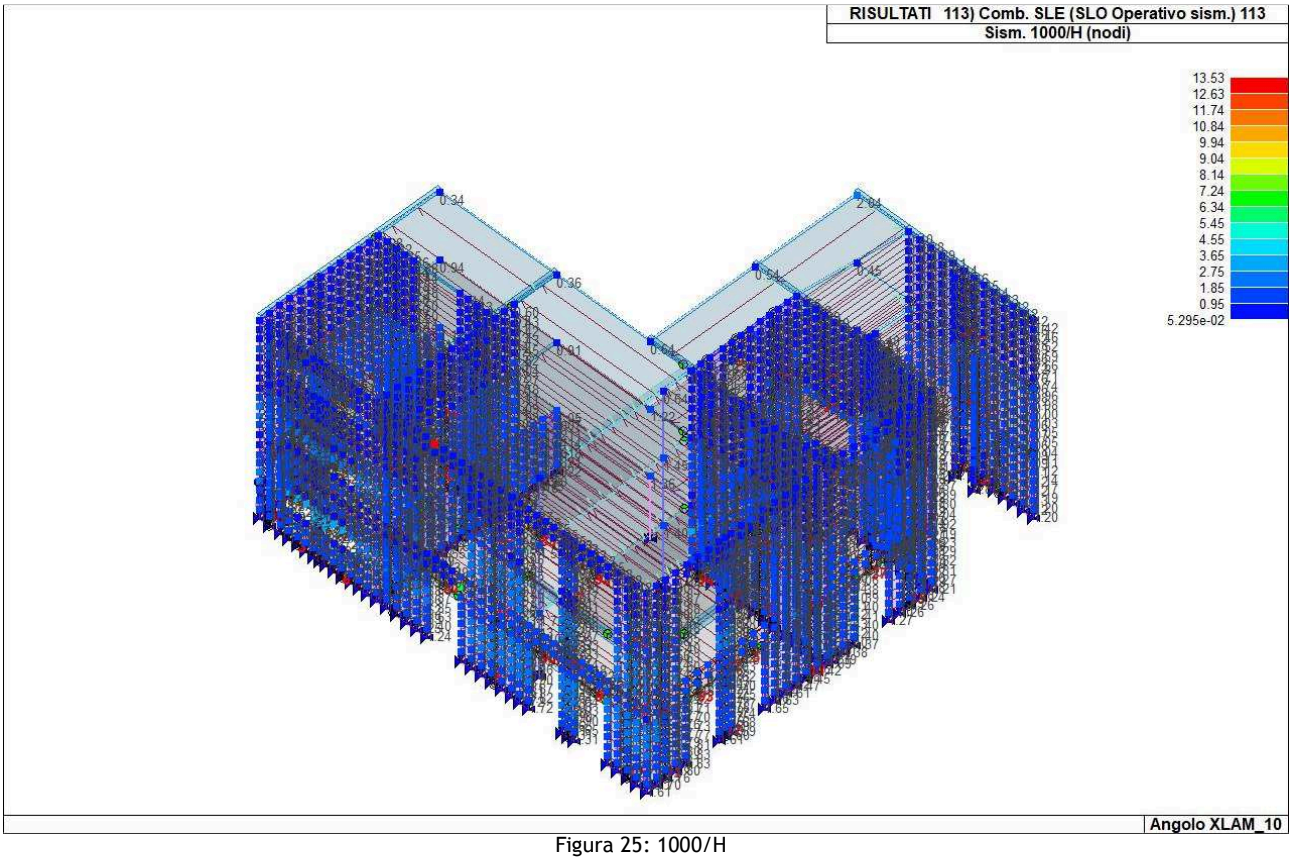


Figura 25: 1000/H

31 RISULTATI NODALI

31.1 LEGENDA RISULTATI NODALI

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

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

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

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

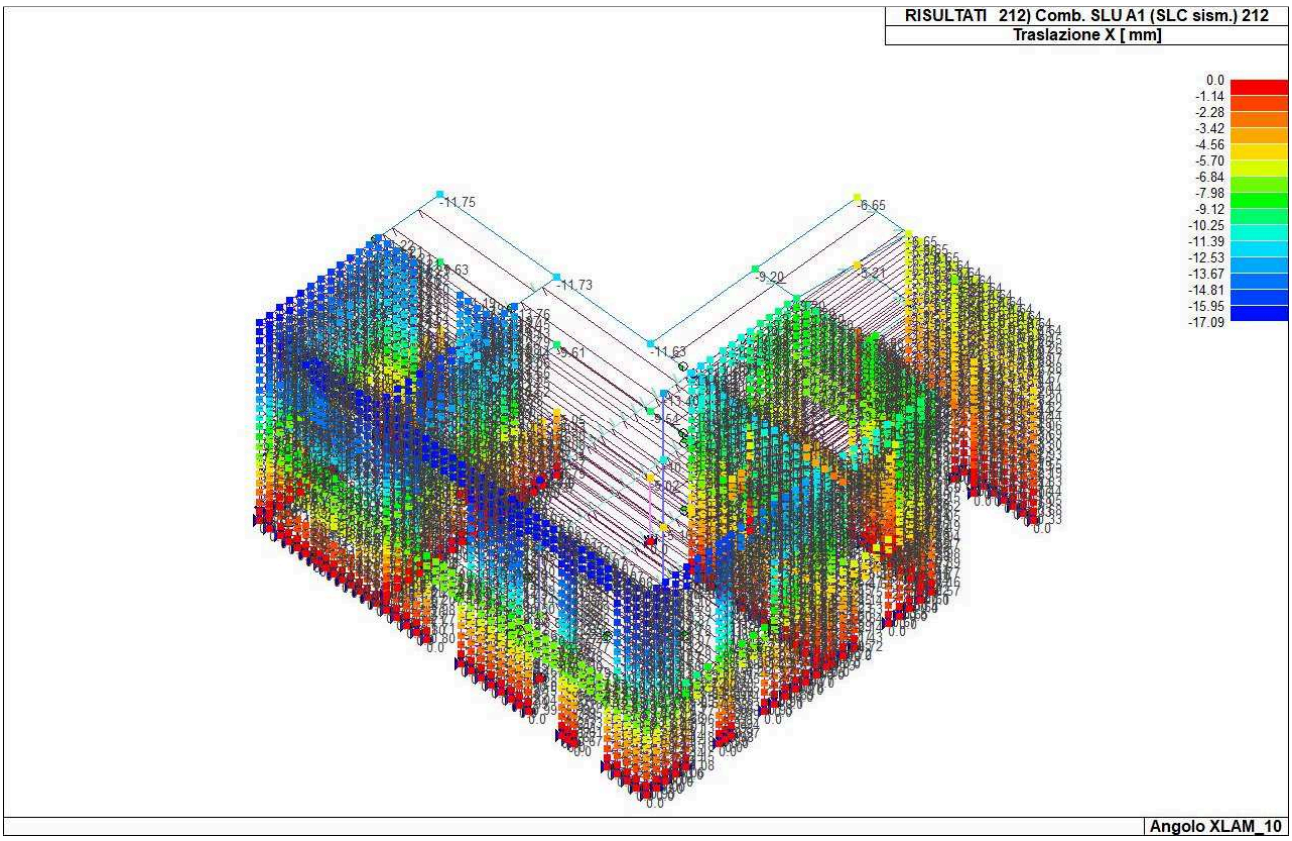


Figura 26: Spostamenti in direzione X

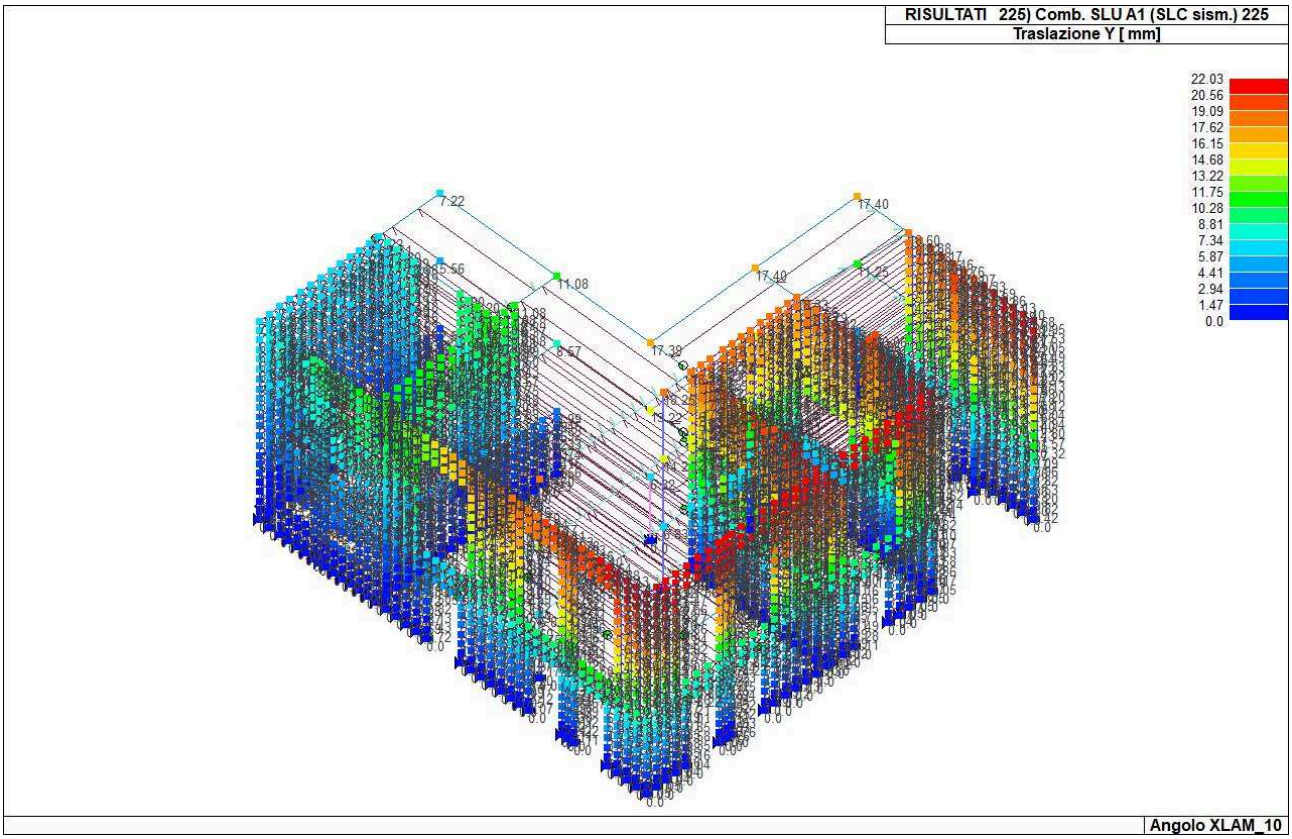


Figura 27: Spostamenti in direzione Y

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		mm	mm	mm			
1	1	0.0	0.0	0.0	1.39e-05	0.0	2.36e-06
1	113	0.0	0.0	0.0	3.90e-04	0.0	8.35e-06
1	145	0.0	0.0	0.0	4.33e-04	0.0	9.13e-06
1	177	0.0	0.0	0.0	4.11e-04	0.0	9.17e-06
1	209	0.0	0.0	0.0	4.66e-04	0.0	1.05e-05
1	241	0.0	0.0	0.0	1.03e-05	0.0	1.68e-06
1	297	0.0	0.0	0.0	1.54e-05	0.0	1.60e-06
1	309	0.0	0.0	0.0	1.54e-05	0.0	1.60e-06
2	44	-0.04	-0.03	-0.04	5.55e-05	0.0	1.67e-05
2	45	-0.04	-0.02	-0.03	3.95e-05	0.0	4.32e-06
2	69	-2.76e-03	0.07	3.09e-03	-2.23e-04	0.0	5.66e-04
2	113	0.56	-0.20	0.06	3.84e-04	0.0	6.77e-05
2	138	0.07	-0.64	-0.10	1.32e-03	0.0	-9.38e-05
2	144	-0.21	-0.57	-0.14	1.17e-03	0.0	-1.12e-04
2	145	0.63	-0.22	0.07	4.26e-04	0.0	7.47e-05
2	170	0.08	-0.73	-0.11	1.49e-03	0.0	-1.07e-04
2	176	-0.23	-0.64	-0.15	1.32e-03	0.0	-1.28e-04
2	177	0.62	-0.21	0.08	4.04e-04	0.0	7.50e-05
2	202	0.08	-0.74	-0.11	1.51e-03	0.0	-1.08e-04
2	208	-0.23	-0.65	-0.16	1.35e-03	0.0	-1.28e-04
2	209	0.73	-0.24	0.09	4.57e-04	0.0	8.71e-05
2	234	0.09	-0.87	-0.13	1.79e-03	0.0	-1.30e-04
2	240	-0.27	-0.77	-0.18	1.60e-03	0.0	-1.53e-04
2	261	-0.03	-0.02	-0.02	3.20e-05	0.0	6.51e-06
2	264	-0.03	-0.02	-0.03	3.81e-05	0.0	1.17e-05
2	273	-1.57e-03	0.04	-3.45e-03	-1.43e-04	0.0	3.81e-04
2	304	-4.97e-03	-0.01	-0.02	1.78e-05	0.0	8.49e-06
2	305	-4.54e-03	-0.01	-0.02	2.17e-05	0.0	1.23e-05
2	308	7.10e-04	-0.01	-0.02	2.99e-05	0.0	-2.82e-05
2	310	9.36e-04	-0.01	-0.02	1.81e-05	0.0	1.28e-05
3	45	-0.04	-0.02	-9.38e-03	3.43e-05	0.0	5.53e-06
3	69	-2.56e-03	0.39	-3.42e-03	-6.33e-04	0.0	5.61e-04
3	92	2.72e-03	-0.21	-0.01	3.34e-04	0.0	-2.57e-04
3	113	0.57	-0.18	2.93e-03	3.59e-04	0.0	6.28e-05
3	138	0.07	-0.70	-0.03	1.39e-03	0.0	-8.64e-05
3	140	-0.24	-0.53	-0.04	1.05e-03	0.0	-1.03e-04
3	145	0.64	-0.20	4.44e-03	4.00e-04	0.0	6.92e-05

3	170	0.08	-0.79	-0.03	1.57e-03	0.0	-9.88e-05
3	172	-0.27	-0.60	-0.04	1.19e-03	0.0	-1.17e-04
3	177	0.63	-0.19	4.49e-03	3.76e-04	0.0	6.94e-05
3	202	0.08	-0.80	-0.04	1.60e-03	0.0	-9.89e-05
3	204	-0.26	-0.61	-0.04	1.22e-03	0.0	-1.17e-04
3	209	0.74	-0.22	7.00e-03	4.26e-04	0.0	8.05e-05
3	234	0.09	-0.95	-0.04	1.89e-03	0.0	-1.19e-04
3	236	-0.31	-0.73	-0.05	1.46e-03	0.0	-1.41e-04
3	261	-0.03	-0.01	-9.18e-03	2.58e-05	0.0	7.17e-06
3	273	-1.50e-03	0.26	-5.20e-03	-4.19e-04	0.0	3.77e-04
3	288	1.76e-03	-0.14	-0.01	2.23e-04	0.0	-1.71e-04
3	304	-5.17e-03	-6.15e-03	-8.19e-03	1.11e-05	0.0	8.36e-06
3	305	-4.79e-03	-7.02e-03	-9.21e-03	1.23e-05	0.0	1.19e-05
3	306	-2.71e-05	0.05	-7.39e-03	-7.78e-05	0.0	8.24e-05
3	310	7.24e-04	-5.24e-03	-8.96e-03	8.64e-06	0.0	1.22e-05
4	1	0.0	0.0	0.0	2.86e-06	0.0	2.59e-06
4	113	0.0	0.0	0.0	3.62e-04	0.0	8.22e-06
4	145	0.0	0.0	0.0	4.03e-04	0.0	8.94e-06
4	177	0.0	0.0	0.0	3.79e-04	0.0	8.97e-06
4	209	0.0	0.0	0.0	4.29e-04	0.0	1.02e-05
4	241	0.0	0.0	0.0	2.53e-06	0.0	1.84e-06
4	297	0.0	0.0	0.0	7.97e-06	0.0	1.76e-06
4	309	0.0	0.0	0.0	7.97e-06	0.0	1.76e-06
5	44	-0.09	-0.06	-0.07	5.05e-05	0.0	3.45e-05
5	45	-0.09	-0.04	-0.05	3.89e-05	0.0	1.21e-05
5	69	-4.08e-03	0.14	4.63e-03	-2.03e-04	0.0	9.99e-04
5	116	-1.12	0.35	-0.18	-3.43e-04	0.0	-6.80e-05
5	138	0.13	-1.31	-0.17	1.34e-03	0.0	-1.57e-04
5	144	-0.43	-1.16	-0.25	1.20e-03	0.0	-1.84e-04
5	148	-1.26	0.39	-0.20	-3.84e-04	0.0	-7.96e-05
5	170	0.15	-1.48	-0.19	1.51e-03	0.0	-1.79e-04
5	176	-0.48	-1.31	-0.28	1.35e-03	0.0	-2.09e-04
5	180	-1.25	0.37	-0.20	-3.62e-04	0.0	-7.97e-05
5	202	0.14	-1.50	-0.20	1.54e-03	0.0	-1.79e-04
5	208	-0.48	-1.34	-0.28	1.38e-03	0.0	-2.08e-04
5	212	-1.46	0.42	-0.23	-4.13e-04	0.0	-9.97e-05
5	234	0.16	-1.77	-0.23	1.82e-03	0.0	-2.16e-04
5	240	-0.56	-1.58	-0.33	1.64e-03	0.0	-2.51e-04
5	261	-0.06	-0.03	-0.04	3.02e-05	0.0	1.48e-05
5	264	-0.06	-0.04	-0.05	3.45e-05	0.0	2.41e-05
5	273	-2.94e-03	0.09	-6.11e-03	-1.31e-04	0.0	6.72e-04
5	304	-0.01	-0.02	-0.03	1.48e-05	0.0	1.64e-05
5	305	-0.01	-0.03	-0.03	1.74e-05	0.0	2.32e-05
5	308	-7.42e-04	-0.03	-0.03	2.52e-05	0.0	-4.87e-05
5	309	-9.42e-04	-0.02	-0.02	1.10e-05	0.0	1.68e-05
5	310	-5.87e-04	-0.02	-0.03	1.36e-05	0.0	2.36e-05
6	41	-0.09	-0.04	-0.02	3.64e-05	0.0	1.96e-05
6	69	-3.86e-03	0.71	-6.52e-03	-4.82e-04	0.0	1.00e-03
6	92	9.16e-04	-0.37	-0.03	2.54e-04	0.0	-4.60e-04
6	116	-1.12	0.34	-0.04	-3.39e-04	0.0	-6.77e-05
6	138	0.13	-1.40	-0.07	1.38e-03	0.0	-1.54e-04
6	144	-0.43	-1.25	-0.07	1.24e-03	0.0	-1.80e-04
6	148	-1.26	0.38	-0.04	-3.78e-04	0.0	-7.89e-05
6	170	0.15	-1.58	-0.07	1.56e-03	0.0	-1.76e-04
6	176	-0.48	-1.41	-0.08	1.40e-03	0.0	-2.05e-04
6	180	-1.25	0.36	-0.04	-3.55e-04	0.0	-7.90e-05
6	202	0.14	-1.60	-0.07	1.59e-03	0.0	-1.75e-04
6	208	-0.48	-1.44	-0.08	1.44e-03	0.0	-2.03e-04
6	212	-1.46	0.41	-0.05	-4.04e-04	0.0	-9.85e-05
6	234	0.16	-1.90	-0.08	1.88e-03	0.0	-2.11e-04
6	240	-0.56	-1.71	-0.09	1.70e-03	0.0	-2.45e-04
6	261	-0.06	-0.03	-0.02	2.48e-05	0.0	1.41e-05
6	273	-2.80e-03	0.47	-9.82e-03	-3.19e-04	0.0	6.75e-04
6	288	3.93e-04	-0.25	-0.02	1.70e-04	0.0	-3.05e-04
6	304	-0.01	-0.01	-0.02	9.74e-06	0.0	1.53e-05
6	305	-0.01	-0.01	-0.02	1.03e-05	0.0	2.17e-05
6	306	-1.33e-03	0.09	-0.01	-5.90e-05	0.0	1.48e-04
6	309	-9.59e-04	-8.15e-03	-0.01	5.98e-06	0.0	1.57e-05
6	310	-6.34e-04	-9.63e-03	-0.02	6.59e-06	0.0	2.20e-05
7	41	-0.15	-0.07	-0.08	3.94e-05	0.0	2.89e-05
7	44	-0.15	-0.09	-0.09	4.21e-05	0.0	4.65e-05
7	69	-5.30e-03	0.21	4.66e-03	-1.75e-04	0.0	1.24e-03
7	116	-1.83	0.52	-0.25	-3.43e-04	0.0	-8.08e-05
7	138	0.21	-1.99	-0.24	1.36e-03	0.0	-1.84e-04
7	144	-0.71	-1.77	-0.35	1.22e-03	0.0	-2.14e-04

7	148	-2.06	0.58	-0.28	-3.83e-04	0.0	-9.48e-05
7	170	0.23	-2.24	-0.26	1.53e-03	0.0	-2.11e-04
7	176	-0.80	-1.99	-0.39	1.38e-03	0.0	-2.45e-04
7	180	-2.04	0.55	-0.28	-3.60e-04	0.0	-9.52e-05
7	202	0.22	-2.28	-0.27	1.56e-03	0.0	-2.10e-04
7	208	-0.79	-2.04	-0.39	1.41e-03	0.0	-2.43e-04
7	212	-2.39	0.63	-0.33	-4.10e-04	0.0	-1.20e-04
7	234	0.25	-2.69	-0.32	1.85e-03	0.0	-2.55e-04
7	240	-0.93	-2.41	-0.46	1.67e-03	0.0	-2.92e-04
7	261	-0.10	-0.05	-0.05	2.68e-05	0.0	2.07e-05
7	264	-0.10	-0.06	-0.06	2.86e-05	0.0	3.24e-05
7	273	-4.67e-03	0.13	-9.19e-03	-1.14e-04	0.0	8.35e-04
7	304	-0.02	-0.03	-0.04	1.04e-05	0.0	2.13e-05
7	305	-0.02	-0.03	-0.04	1.12e-05	0.0	2.99e-05
7	308	-3.42e-03	-0.04	-0.03	1.84e-05	0.0	-5.98e-05
7	309	-3.54e-03	-0.02	-0.03	6.34e-06	0.0	2.15e-05
7	310	-3.49e-03	-0.03	-0.04	7.10e-06	0.0	3.00e-05
8	41	-0.15	-0.06	-0.03	3.42e-05	0.0	2.70e-05
8	69	-5.21e-03	0.92	-9.64e-03	-2.69e-04	0.0	1.27e-03
8	92	-3.89e-03	-0.48	-0.04	1.42e-04	0.0	-5.82e-04
8	116	-1.80	0.51	-0.06	-3.34e-04	0.0	-8.50e-05
8	138	0.20	-2.09	-0.10	1.37e-03	0.0	-1.90e-04
8	144	-0.69	-1.87	-0.11	1.23e-03	0.0	-2.20e-04
8	148	-2.02	0.57	-0.07	-3.73e-04	0.0	-9.93e-05
8	170	0.23	-2.36	-0.11	1.55e-03	0.0	-2.17e-04
8	176	-0.78	-2.12	-0.13	1.39e-03	0.0	-2.51e-04
8	180	-2.00	0.54	-0.07	-3.50e-04	0.0	-9.94e-05
8	202	0.21	-2.40	-0.11	1.57e-03	0.0	-2.16e-04
8	208	-0.78	-2.16	-0.13	1.42e-03	0.0	-2.49e-04
8	212	-2.34	0.61	-0.07	-3.97e-04	0.0	-1.24e-04
8	234	0.24	-2.84	-0.13	1.86e-03	0.0	-2.60e-04
8	240	-0.91	-2.56	-0.15	1.69e-03	0.0	-2.99e-04
8	261	-0.10	-0.04	-0.02	2.32e-05	0.0	1.93e-05
8	273	-4.66e-03	0.61	-0.01	-1.78e-04	0.0	8.55e-04
8	288	-3.12e-03	-0.32	-0.03	9.50e-05	0.0	-3.87e-04
8	304	-0.02	-0.02	-0.02	7.73e-06	0.0	1.98e-05
8	305	-0.02	-0.02	-0.03	7.49e-06	0.0	2.79e-05
8	306	-3.86e-03	0.11	-0.02	-3.24e-05	0.0	1.87e-04
8	309	-3.65e-03	-0.01	-0.02	3.86e-06	0.0	1.99e-05
8	310	-3.64e-03	-0.01	-0.02	3.63e-06	0.0	2.80e-05
9	18	0.02	9.18e-03	-0.01	-1.43e-05	0.0	1.96e-05
9	45	-0.04	-0.01	-2.41e-03	2.92e-05	0.0	5.83e-06
9	67	-1.19e-03	0.70	-8.66e-03	-1.05e-03	0.0	5.73e-04
9	113	0.57	-0.17	-0.05	3.37e-04	0.0	5.81e-05
9	118	0.50	-0.49	-0.06	9.62e-04	0.0	6.92e-06
9	139	-0.07	0.75	0.02	-1.46e-03	0.0	1.02e-04
9	145	0.64	-0.19	-0.06	3.75e-04	0.0	6.39e-05
9	150	0.56	-0.55	-0.07	1.08e-03	0.0	6.26e-06
9	171	-0.08	0.84	0.02	-1.65e-03	0.0	1.14e-04
9	177	0.64	-0.17	-0.06	3.51e-04	0.0	6.39e-05
9	182	0.55	-0.54	-0.07	1.07e-03	0.0	6.03e-06
9	203	-0.07	0.86	0.02	-1.68e-03	0.0	1.14e-04
9	209	0.75	-0.20	-0.07	3.97e-04	0.0	7.40e-05
9	214	0.64	-0.64	-0.08	1.26e-03	0.0	5.07e-06
9	235	-0.09	1.02	0.03	-1.99e-03	0.0	1.32e-04
9	251	0.01	6.08e-03	-9.72e-03	-9.35e-06	0.0	1.36e-05
9	261	-0.03	-9.24e-03	-4.25e-03	1.98e-05	0.0	7.25e-06
9	275	-8.46e-04	0.46	-6.57e-03	-6.99e-04	0.0	3.82e-04
9	303	3.11e-03	2.25e-03	-8.28e-03	-2.08e-06	0.0	1.19e-05
9	304	-5.52e-03	-1.63e-03	-6.74e-03	4.89e-06	0.0	8.14e-06
9	307	7.10e-05	0.09	-7.67e-03	-1.40e-04	0.0	8.58e-05
9	310	3.10e-04	1.30e-03	-7.97e-03	0.0	0.0	1.18e-05
10	1	0.0	0.0	0.0	-7.30e-06	0.0	2.28e-06
10	113	0.0	0.0	0.0	3.37e-04	0.0	7.58e-06
10	145	0.0	0.0	0.0	3.76e-04	0.0	8.25e-06
10	177	0.0	0.0	0.0	3.51e-04	0.0	8.26e-06
10	209	0.0	0.0	0.0	3.98e-04	0.0	9.44e-06
10	241	0.0	0.0	0.0	-4.70e-06	0.0	1.62e-06
10	297	0.0	0.0	0.0	0.0	0.0	1.56e-06
10	309	0.0	0.0	0.0	0.0	0.0	1.56e-06
11	18	0.04	0.02	-0.03	-1.36e-05	0.0	3.48e-05
11	41	-0.09	-0.03	-8.40e-03	2.95e-05	0.0	1.93e-05
11	67	-2.54e-03	1.28	-0.02	-7.83e-04	0.0	1.04e-03
11	116	-1.13	0.34	0.08	-3.33e-04	0.0	-6.66e-05
11	118	0.98	-0.97	-0.13	9.46e-04	0.0	1.21e-05

11	139	-0.13	1.49	0.04	-1.43e-03	0.0	1.92e-04
11	148	-1.27	0.38	0.10	-3.71e-04	0.0	-7.76e-05
11	150	1.10	-1.09	-0.14	1.06e-03	0.0	1.08e-05
11	171	-0.15	1.68	0.05	-1.62e-03	0.0	2.14e-04
11	180	-1.26	0.35	0.09	-3.47e-04	0.0	-7.75e-05
11	182	1.08	-1.08	-0.14	1.06e-03	0.0	1.05e-05
11	203	-0.14	1.70	0.05	-1.65e-03	0.0	2.13e-04
11	212	-1.48	0.40	0.11	-3.93e-04	0.0	-9.66e-05
11	214	1.26	-1.27	-0.16	1.24e-03	0.0	8.71e-06
11	235	-0.16	2.02	0.06	-1.95e-03	0.0	2.48e-04
11	251	0.03	0.01	-0.02	-8.89e-06	0.0	2.42e-05
11	261	-0.06	-0.02	-7.05e-03	1.99e-05	0.0	1.38e-05
11	275	-1.87e-03	0.85	-0.01	-5.22e-04	0.0	6.97e-04
11	303	5.06e-03	4.19e-03	-0.02	-1.73e-06	0.0	2.14e-05
11	304	-0.01	-3.42e-03	-0.01	5.08e-06	0.0	1.48e-05
11	307	-8.66e-04	0.17	-0.01	-1.04e-04	0.0	1.56e-04
11	309	-8.17e-04	3.44e-04	-0.01	1.38e-06	0.0	1.51e-05
11	310	-6.07e-04	2.31e-03	-0.01	0.0	0.0	2.12e-05
12	18	0.06	0.03	-0.04	-1.27e-05	0.0	4.39e-05
12	43	-0.13	-0.04	-0.01	2.78e-05	0.0	4.03e-05
12	67	-5.89e-03	1.69	-0.02	-3.68e-04	0.0	1.41e-03
12	116	-1.70	0.51	0.14	-3.25e-04	0.0	-8.76e-05
12	118	1.45	-1.44	-0.20	9.20e-04	0.0	1.55e-05
12	139	-0.20	2.20	0.06	-1.39e-03	0.0	2.49e-04
12	148	-1.91	0.56	0.16	-3.62e-04	0.0	-1.02e-04
12	150	1.63	-1.62	-0.22	1.03e-03	0.0	1.39e-05
12	171	-0.22	2.49	0.08	-1.57e-03	0.0	2.77e-04
12	180	-1.89	0.53	0.15	-3.39e-04	0.0	-1.02e-04
12	182	1.60	-1.61	-0.22	1.03e-03	0.0	1.37e-05
12	203	-0.21	2.53	0.07	-1.59e-03	0.0	2.75e-04
12	212	-2.21	0.60	0.18	-3.84e-04	0.0	-1.27e-04
12	214	1.87	-1.89	-0.25	1.20e-03	0.0	1.15e-05
12	235	-0.24	3.00	0.09	-1.89e-03	0.0	3.20e-04
12	251	0.04	0.02	-0.03	-8.26e-06	0.0	3.06e-05
12	263	-0.09	-0.02	-0.01	1.88e-05	0.0	2.81e-05
12	275	-4.42e-03	1.13	-0.02	-2.45e-04	0.0	9.41e-04
12	303	4.83e-03	5.66e-03	-0.02	-1.22e-06	0.0	2.74e-05
12	305	-0.02	-2.73e-03	-0.02	4.29e-06	0.0	2.73e-05
12	307	-3.92e-03	0.23	-0.02	-4.85e-05	0.0	2.10e-04
12	310	-3.80e-03	2.86e-03	-0.02	0.0	0.0	2.74e-05
13	44	-0.25	-0.11	-0.11	3.31e-05	0.0	5.03e-05
13	69	-5.83e-03	0.29	2.77e-03	-1.44e-04	0.0	1.22e-03
13	116	-3.04	0.69	-0.31	-3.45e-04	0.0	-8.89e-05
13	138	0.33	-2.67	-0.29	1.37e-03	0.0	-1.81e-04
13	144	-1.19	-2.38	-0.43	1.23e-03	0.0	-2.11e-04
13	148	-3.42	0.77	-0.34	-3.84e-04	0.0	-1.04e-04
13	170	0.37	-3.01	-0.33	1.55e-03	0.0	-2.08e-04
13	176	-1.33	-2.69	-0.47	1.39e-03	0.0	-2.41e-04
13	180	-3.38	0.73	-0.35	-3.61e-04	0.0	-1.06e-04
13	202	0.35	-3.06	-0.34	1.57e-03	0.0	-2.07e-04
13	208	-1.33	-2.75	-0.48	1.43e-03	0.0	-2.39e-04
13	212	-3.96	0.83	-0.40	-4.10e-04	0.0	-1.32e-04
13	234	0.40	-3.62	-0.39	1.86e-03	0.0	-2.50e-04
13	240	-1.56	-3.26	-0.56	1.69e-03	0.0	-2.88e-04
13	264	-0.17	-0.07	-0.08	2.23e-05	0.0	3.50e-05
13	273	-5.90e-03	0.19	-0.01	-9.54e-05	0.0	8.23e-04
13	305	-0.04	-0.04	-0.05	4.86e-06	0.0	3.09e-05
13	308	-6.01e-03	-0.05	-0.04	1.14e-05	0.0	-5.82e-05
13	310	-6.45e-03	-0.03	-0.05	0.0	0.0	3.08e-05
14	44	-0.25	-0.08	-0.05	3.01e-05	0.0	4.74e-05
14	69	-5.96e-03	0.99	-0.01	-3.49e-05	0.0	1.24e-03
14	92	-9.22e-03	-0.52	-0.06	1.87e-05	0.0	-5.65e-04
14	116	-3.04	0.68	-0.08	-3.30e-04	0.0	-8.93e-05
14	138	0.33	-2.77	-0.13	1.35e-03	0.0	-1.85e-04
14	144	-1.19	-2.49	-0.16	1.21e-03	0.0	-2.14e-04
14	148	-3.42	0.76	-0.09	-3.67e-04	0.0	-1.04e-04
14	170	0.37	-3.13	-0.15	1.52e-03	0.0	-2.12e-04
14	176	-1.33	-2.81	-0.17	1.37e-03	0.0	-2.44e-04
14	180	-3.38	0.71	-0.09	-3.45e-04	0.0	-1.06e-04
14	202	0.35	-3.18	-0.15	1.55e-03	0.0	-2.11e-04
14	208	-1.33	-2.87	-0.17	1.40e-03	0.0	-2.42e-04
14	212	-3.96	0.81	-0.10	-3.91e-04	0.0	-1.32e-04
14	234	0.40	-3.77	-0.17	1.84e-03	0.0	-2.54e-04
14	240	-1.56	-3.41	-0.20	1.67e-03	0.0	-2.91e-04
14	264	-0.17	-0.05	-0.04	2.03e-05	0.0	3.29e-05

14	273	-6.08e-03	0.66	-0.02	-2.28e-05	0.0	8.35e-04
14	288	-6.96e-03	-0.35	-0.04	1.27e-05	0.0	-3.75e-04
14	305	-0.04	-0.02	-0.03	4.22e-06	0.0	2.90e-05
14	306	-6.23e-03	0.12	-0.03	-3.38e-06	0.0	1.83e-04
14	310	-6.76e-03	-0.01	-0.03	0.0	0.0	2.88e-05
15	44	-0.36	-0.12	-0.14	2.83e-05	0.0	4.05e-05
15	69	-4.50e-03	0.38	-2.59e-03	-1.12e-04	0.0	9.46e-04
15	116	-4.26	0.86	-0.35	-3.45e-04	0.0	-8.63e-05
15	138	0.45	-3.36	-0.35	1.38e-03	0.0	-1.56e-04
15	144	-1.67	-3.00	-0.49	1.24e-03	0.0	-1.64e-04
15	148	-4.79	0.97	-0.39	-3.84e-04	0.0	-1.00e-04
15	170	0.50	-3.79	-0.39	1.55e-03	0.0	-1.79e-04
15	176	-1.89	-3.39	-0.55	1.40e-03	0.0	-1.87e-04
15	180	-4.74	0.91	-0.39	-3.61e-04	0.0	-1.02e-04
15	202	0.47	-3.85	-0.40	1.58e-03	0.0	-1.78e-04
15	208	-1.88	-3.47	-0.56	1.44e-03	0.0	-1.88e-04
15	212	-5.55	1.04	-0.46	-4.09e-04	0.0	-1.27e-04
15	234	0.54	-4.56	-0.46	1.87e-03	0.0	-2.15e-04
15	240	-2.20	-4.11	-0.65	1.71e-03	0.0	-2.27e-04
15	264	-0.24	-0.08	-0.09	1.90e-05	0.0	2.80e-05
15	273	-5.63e-03	0.24	-0.02	-7.48e-05	0.0	6.37e-04
15	305	-0.05	-0.04	-0.07	1.43e-06	0.0	2.35e-05
15	308	-7.69e-03	-0.05	-0.06	6.82e-06	0.0	-4.62e-05
15	310	-8.75e-03	-0.03	-0.06	-3.03e-06	0.0	2.31e-05
16	44	-0.36	-0.09	-0.07	2.43e-05	0.0	4.49e-05
16	69	-4.85e-03	0.93	-0.02	1.78e-04	0.0	9.88e-04
16	76	-0.02	-0.30	-0.08	-6.10e-05	0.0	-2.46e-04
16	116	-4.31	0.84	-0.11	-3.27e-04	0.0	-9.28e-05
16	138	0.45	-3.44	-0.17	1.33e-03	0.0	-1.51e-04
16	144	-1.69	-3.09	-0.19	1.19e-03	0.0	-1.62e-04
16	148	-4.84	0.94	-0.11	-3.65e-04	0.0	-1.08e-04
16	170	0.51	-3.88	-0.19	1.50e-03	0.0	-1.73e-04
16	176	-1.91	-3.49	-0.21	1.35e-03	0.0	-1.86e-04
16	180	-4.79	0.88	-0.12	-3.42e-04	0.0	-1.10e-04
16	202	0.47	-3.95	-0.19	1.52e-03	0.0	-1.73e-04
16	208	-1.90	-3.57	-0.22	1.38e-03	0.0	-1.86e-04
16	212	-5.61	1.00	-0.13	-3.87e-04	0.0	-1.37e-04
16	234	0.54	-4.68	-0.22	1.81e-03	0.0	-2.09e-04
16	240	-2.23	-4.23	-0.25	1.64e-03	0.0	-2.26e-04
16	264	-0.24	-0.06	-0.05	1.62e-05	0.0	3.11e-05
16	273	-6.06e-03	0.62	-0.03	1.18e-04	0.0	6.66e-04
16	280	-0.01	-0.20	-0.05	-4.06e-05	0.0	-1.63e-04
16	305	-0.06	-0.02	-0.05	0.0	0.0	2.59e-05
16	306	-7.62e-03	0.11	-0.04	2.26e-05	0.0	1.48e-04
16	310	-9.40e-03	-0.01	-0.05	-3.53e-06	0.0	2.53e-05
17	18	0.11	0.03	-0.06	-1.19e-05	0.0	4.44e-05
17	44	-0.26	-0.05	-0.02	2.90e-05	0.0	4.66e-05
17	67	-9.37e-03	1.70	-0.04	8.54e-05	0.0	1.29e-03
17	116	-3.04	0.67	0.18	-3.15e-04	0.0	-9.00e-05
17	118	2.60	-1.89	-0.28	8.89e-04	0.0	1.98e-05
17	139	-0.34	2.88	0.09	-1.33e-03	0.0	2.42e-04
17	148	-3.41	0.74	0.21	-3.51e-04	0.0	-1.05e-04
17	150	2.92	-2.13	-0.31	1.00e-03	0.0	1.88e-05
17	171	-0.38	3.25	0.10	-1.50e-03	0.0	2.69e-04
17	180	-3.38	0.69	0.20	-3.29e-04	0.0	-1.06e-04
17	182	2.87	-2.11	-0.31	9.93e-04	0.0	1.91e-05
17	203	-0.36	3.30	0.10	-1.53e-03	0.0	2.67e-04
17	212	-3.96	0.78	0.24	-3.72e-04	0.0	-1.33e-04
17	214	3.35	-2.48	-0.35	1.16e-03	0.0	1.79e-05
17	235	-0.41	3.92	0.12	-1.82e-03	0.0	3.11e-04
17	251	0.07	0.02	-0.04	-7.71e-06	0.0	3.09e-05
17	264	-0.17	-0.03	-0.02	1.96e-05	0.0	3.24e-05
17	275	-7.11e-03	1.13	-0.03	5.72e-05	0.0	8.60e-04
17	303	9.05e-03	6.07e-03	-0.04	0.0	0.0	2.82e-05
17	305	-0.04	-5.02e-03	-0.03	4.67e-06	0.0	2.85e-05
17	307	-7.28e-03	0.23	-0.03	1.23e-05	0.0	1.94e-04
17	310	-7.35e-03	2.37e-03	-0.03	1.03e-06	0.0	2.83e-05
18	18	0.17	0.04	-0.08	-1.15e-05	0.0	3.85e-05
18	44	-0.39	-0.07	-0.05	2.90e-05	0.0	4.54e-05
18	71	-0.01	1.53	-0.04	4.86e-04	0.0	1.07e-03
18	116	-4.42	0.82	0.17	-3.04e-04	0.0	-9.14e-05
18	118	3.77	-2.33	-0.30	8.60e-04	0.0	2.66e-05
18	139	-0.49	3.53	0.09	-1.28e-03	0.0	2.07e-04
18	148	-4.97	0.91	0.19	-3.39e-04	0.0	-1.06e-04
18	150	4.23	-2.62	-0.33	9.67e-04	0.0	2.68e-05

18	171	-0.54	3.98	0.11	-1.45e-03	0.0	2.30e-04
18	180	-4.92	0.85	0.19	-3.17e-04	0.0	-1.09e-04
18	182	4.17	-2.60	-0.33	9.61e-04	0.0	2.74e-05
18	203	-0.51	4.05	0.11	-1.48e-03	0.0	2.30e-04
18	212	-5.76	0.97	0.23	-3.59e-04	0.0	-1.35e-04
18	214	4.86	-3.05	-0.37	1.13e-03	0.0	2.82e-05
18	235	-0.58	4.80	0.14	-1.75e-03	0.0	2.67e-04
18	251	0.11	0.02	-0.06	-7.45e-06	0.0	2.69e-05
18	264	-0.26	-0.04	-0.04	1.96e-05	0.0	3.15e-05
18	275	-0.01	1.02	-0.04	3.25e-04	0.0	7.24e-04
18	303	0.01	6.15e-03	-0.05	0.0	0.0	2.54e-05
18	305	-0.06	-7.60e-03	-0.05	4.76e-06	0.0	2.63e-05
18	307	-0.01	0.20	-0.05	6.59e-05	0.0	1.65e-04
18	309	-0.01	-2.10e-03	-0.04	2.05e-06	0.0	1.83e-05
18	310	-0.01	1.56e-03	-0.05	1.16e-06	0.0	2.57e-05
19	44	-0.42	-0.13	-0.18	2.73e-05	-1.03e-04	1.89e-05
19	69	-2.28e-03	0.45	-0.01	-5.84e-05	4.17e-05	3.57e-04
19	116	-4.94	1.02	-0.39	-3.45e-04	-1.04e-03	-1.96e-04
19	138	0.51	-3.98	-0.41	1.38e-03	9.41e-05	-5.56e-05
19	144	-1.95	-3.57	-0.56	1.25e-03	-4.27e-04	-1.14e-04
19	148	-5.55	1.14	-0.43	-3.84e-04	-1.17e-03	-2.23e-04
19	170	0.57	-4.50	-0.45	1.56e-03	1.04e-04	-6.45e-05
19	176	-2.20	-4.03	-0.62	1.41e-03	-4.81e-04	-1.30e-04
19	180	-5.50	1.07	-0.44	-3.61e-04	-1.15e-03	-2.23e-04
19	202	0.53	-4.57	-0.46	1.59e-03	9.50e-05	-6.67e-05
19	208	-2.19	-4.12	-0.63	1.44e-03	-4.82e-04	-1.32e-04
19	212	-6.43	1.23	-0.50	-4.09e-04	-1.35e-03	-2.66e-04
19	234	0.61	-5.41	-0.53	1.88e-03	1.06e-04	-8.21e-05
19	240	-2.57	-4.89	-0.73	1.71e-03	-5.66e-04	-1.59e-04
19	264	-0.28	-0.09	-0.12	1.83e-05	-6.77e-05	1.30e-05
19	273	-5.38e-03	0.29	-0.04	-3.96e-05	2.87e-05	2.41e-04
19	305	-0.07	-0.04	-0.10	0.0	-1.16e-05	1.12e-05
19	308	-0.01	-0.05	-0.08	2.68e-06	1.11e-06	-1.58e-05
19	310	-0.01	-0.02	-0.09	-4.14e-06	2.43e-06	1.10e-05
20	44	-0.41	-0.10	-0.10	1.64e-05	0.0	4.01e-05
20	71	-3.24e-03	0.79	-0.04	3.35e-04	0.0	5.65e-04
20	76	-0.01	-0.26	-0.11	-1.20e-04	0.0	-1.26e-04
20	116	-4.93	0.98	-0.13	-3.30e-04	0.0	-1.04e-04
20	138	0.52	-4.03	-0.21	1.31e-03	0.0	-9.12e-05
20	144	-1.94	-3.62	-0.24	1.17e-03	0.0	-1.05e-04
20	148	-5.54	1.10	-0.14	-3.67e-04	0.0	-1.20e-04
20	170	0.58	-4.55	-0.23	1.48e-03	0.0	-1.06e-04
20	176	-2.19	-4.09	-0.26	1.33e-03	0.0	-1.21e-04
20	180	-5.49	1.03	-0.14	-3.45e-04	0.0	-1.21e-04
20	202	0.54	-4.62	-0.23	1.50e-03	0.0	-1.07e-04
20	208	-2.18	-4.18	-0.26	1.36e-03	0.0	-1.23e-04
20	212	-6.43	1.17	-0.16	-3.90e-04	0.0	-1.49e-04
20	234	0.61	-5.48	-0.27	1.79e-03	0.0	-1.30e-04
20	240	-2.56	-4.96	-0.30	1.62e-03	0.0	-1.50e-04
20	264	-0.28	-0.07	-0.07	1.07e-05	0.0	2.78e-05
20	275	-3.96e-03	0.52	-0.05	2.21e-04	0.0	3.82e-04
20	280	-8.35e-03	-0.17	-0.08	-8.01e-05	0.0	-8.29e-05
20	305	-0.06	-0.02	-0.07	-4.51e-06	0.0	2.15e-05
20	307	-5.91e-03	0.10	-0.06	3.76e-05	0.0	9.27e-05
20	309	-4.87e-03	-0.01	-0.06	-4.88e-06	0.0	1.48e-05
20	310	-6.46e-03	-0.01	-0.06	-8.48e-06	0.0	2.05e-05
21	44	-0.47	-0.11	-0.22	-1.03e-04	-1.42e-04	1.50e-05
21	71	-5.73e-03	0.54	-0.06	-1.27e-04	-3.12e-05	8.83e-06
21	116	-5.43	1.19	-0.43	9.58e-05	-1.32e-03	-1.30e-04
21	138	0.56	-4.59	-0.46	1.59e-04	9.06e-05	-4.34e-05
21	144	-2.15	-4.12	-0.61	2.45e-04	-5.56e-04	-5.16e-05
21	148	-6.10	1.33	-0.47	1.18e-04	-1.48e-03	-1.46e-04
21	170	0.62	-5.19	-0.50	1.91e-04	1.04e-04	-4.92e-05
21	176	-2.42	-4.65	-0.68	2.87e-04	-6.23e-04	-5.84e-05
21	180	-6.04	1.25	-0.47	1.22e-04	-1.47e-03	-1.46e-04
21	202	0.58	-5.27	-0.51	1.99e-04	9.31e-05	-4.99e-05
21	208	-2.42	-4.76	-0.69	2.95e-04	-6.23e-04	-5.88e-05
21	212	-7.08	1.43	-0.54	1.61e-04	-1.71e-03	-1.72e-04
21	234	0.66	-6.25	-0.59	2.52e-04	1.09e-04	-5.92e-05
21	240	-2.83	-5.65	-0.79	3.65e-04	-7.25e-04	-7.00e-05
21	264	-0.31	-0.08	-0.15	-7.19e-05	-9.62e-05	9.90e-06
21	275	-7.30e-03	0.36	-0.08	-1.07e-04	-2.94e-05	5.91e-06
21	305	-0.07	-0.02	-0.12	-7.63e-05	-4.42e-05	2.40e-06
21	307	-0.01	0.07	-0.11	-8.41e-05	-3.11e-05	1.63e-06
21	309	-8.78e-03	-8.71e-03	-0.10	-5.53e-05	-2.20e-05	0.0

21	310	-0.01	-6.21e-03	-0.12	-7.93e-05	-3.20e-05	0.0
22	44	-0.47	-0.10	-0.13	-1.21e-04	0.0	2.17e-05
22	71	-5.69e-03	0.55	-0.05	-8.52e-04	0.0	1.68e-04
22	76	-0.02	-0.17	-0.13	6.44e-05	0.0	-3.56e-05
22	116	-5.43	1.14	-0.16	-5.63e-04	0.0	-1.29e-04
22	138	0.56	-4.61	-0.25	1.62e-03	0.0	-6.71e-05
22	144	-2.15	-4.14	-0.28	1.38e-03	0.0	-7.87e-05
22	148	-6.10	1.27	-0.17	-6.18e-04	0.0	-1.46e-04
22	170	0.62	-5.20	-0.27	1.84e-03	0.0	-7.69e-05
22	176	-2.42	-4.68	-0.30	1.58e-03	0.0	-8.99e-05
22	180	-6.04	1.19	-0.17	-5.89e-04	0.0	-1.46e-04
22	202	0.58	-5.29	-0.28	1.88e-03	0.0	-7.90e-05
22	208	-2.42	-4.78	-0.31	1.62e-03	0.0	-9.20e-05
22	212	-7.08	1.35	-0.19	-6.58e-04	0.0	-1.75e-04
22	234	0.66	-6.27	-0.31	2.24e-03	0.0	-9.53e-05
22	240	-2.83	-5.68	-0.35	1.94e-03	0.0	-1.11e-04
22	264	-0.31	-0.07	-0.09	-8.48e-05	0.0	1.48e-05
22	275	-7.19e-03	0.36	-0.06	-5.90e-04	0.0	1.14e-04
22	280	-0.02	-0.11	-0.10	3.89e-05	0.0	-2.34e-05
22	305	-0.07	-0.02	-0.08	-8.32e-05	0.0	8.12e-06
22	307	-0.01	0.07	-0.08	-1.85e-04	0.0	2.80e-05
22	309	-8.54e-03	-6.88e-03	-0.07	-5.54e-05	0.0	4.26e-06
22	310	-0.01	-3.69e-03	-0.08	-8.54e-05	0.0	6.65e-06
23	44	-0.42	-0.08	-0.07	2.90e-05	0.0	3.76e-05
23	71	-5.50e-03	1.10	-0.04	7.60e-04	0.0	5.73e-04
23	76	-0.02	-0.33	-0.10	-2.26e-04	0.0	-1.32e-04
23	116	-4.93	0.95	0.14	-2.96e-04	0.0	-1.01e-04
23	118	4.21	-2.70	-0.30	8.40e-04	0.0	4.73e-05
23	139	-0.53	4.08	0.09	-1.25e-03	0.0	1.32e-04
23	148	-5.55	1.06	0.16	-3.30e-04	0.0	-1.17e-04
23	150	4.73	-3.04	-0.33	9.45e-04	0.0	5.08e-05
23	171	-0.59	4.61	0.11	-1.41e-03	0.0	1.47e-04
23	180	-5.49	0.99	0.16	-3.09e-04	0.0	-1.18e-04
23	182	4.65	-3.02	-0.33	9.39e-04	0.0	5.04e-05
23	203	-0.55	4.69	0.11	-1.44e-03	0.0	1.48e-04
23	212	-6.43	1.12	0.19	-3.49e-04	0.0	-1.45e-04
23	214	5.43	-3.54	-0.37	1.10e-03	0.0	5.61e-05
23	235	-0.63	5.56	0.14	-1.71e-03	0.0	1.72e-04
23	264	-0.28	-0.05	-0.05	1.95e-05	0.0	2.60e-05
23	275	-6.29e-03	0.73	-0.05	5.07e-04	0.0	3.87e-04
23	280	-0.01	-0.22	-0.07	-1.51e-04	0.0	-8.69e-05
23	303	0.02	5.68e-03	-0.06	0.0	0.0	1.83e-05
23	305	-0.06	-0.01	-0.06	4.83e-06	0.0	1.99e-05
23	307	-8.47e-03	0.15	-0.06	1.03e-04	0.0	9.24e-05
23	309	-6.88e-03	-3.51e-03	-0.06	2.09e-06	0.0	1.35e-05
23	310	-9.12e-03	3.21e-04	-0.06	1.25e-06	0.0	1.88e-05
24	44	-0.47	-0.09	-0.10	-1.38e-04	0.0	2.13e-05
24	71	-5.45e-03	0.55	-0.06	-1.41e-03	0.0	3.00e-06
24	76	-0.02	-0.16	-0.12	2.09e-04	0.0	1.38e-05
24	116	-5.43	1.08	0.11	-4.38e-04	0.0	-1.40e-04
24	118	4.63	-3.07	-0.31	8.88e-04	0.0	8.14e-05
24	138	0.56	-4.62	-0.24	1.41e-03	0.0	-3.94e-05
24	148	-6.10	1.20	0.14	-4.77e-04	0.0	-1.58e-04
24	150	5.20	-3.45	-0.34	1.01e-03	0.0	9.05e-05
24	170	0.62	-5.23	-0.26	1.61e-03	0.0	-4.54e-05
24	180	-6.04	1.12	0.13	-4.52e-04	0.0	-1.58e-04
24	182	5.12	-3.43	-0.34	1.00e-03	0.0	8.85e-05
24	202	0.58	-5.32	-0.26	1.64e-03	0.0	-4.61e-05
24	212	-7.08	1.27	0.17	-4.99e-04	0.0	-1.88e-04
24	214	5.97	-4.02	-0.38	1.19e-03	0.0	1.02e-04
24	234	0.66	-6.30	-0.29	1.96e-03	0.0	-5.60e-05
24	264	-0.31	-0.06	-0.07	-9.61e-05	0.0	1.45e-05
24	275	-6.80e-03	0.37	-0.06	-9.62e-04	0.0	3.71e-06
24	280	-0.01	-0.11	-0.09	1.35e-04	0.0	9.53e-06
24	298	-0.01	-7.55e-04	-0.08	-1.00e-04	0.0	7.03e-06
24	305	-0.07	-0.01	-0.08	-9.25e-05	0.0	8.08e-06
24	307	-0.01	0.07	-0.07	-2.67e-04	0.0	5.98e-06
24	309	-7.90e-03	-5.28e-03	-0.07	-6.03e-05	0.0	4.36e-06
24	310	-0.01	-1.40e-03	-0.08	-9.45e-05	0.0	6.65e-06
25	1	0.0	0.0	0.0	-6.64e-06	0.0	0.0
25	113	0.0	0.0	0.0	2.86e-04	0.0	3.84e-06
25	145	0.0	0.0	0.0	3.18e-04	0.0	4.29e-06
25	177	0.0	0.0	0.0	2.94e-04	0.0	4.12e-06
25	209	0.0	0.0	0.0	3.31e-04	0.0	4.83e-06
25	241	0.0	0.0	0.0	-4.36e-06	0.0	0.0

25	297	0.0	0.0	0.0	0.0	0.0	0.0
25	309	0.0	0.0	0.0	0.0	0.0	0.0
26	44	-0.04	-9.42e-03	-0.02	1.81e-05	0.0	2.59e-06
26	45	-0.04	-0.01	-0.01	2.12e-05	0.0	2.42e-06
26	67	-7.80e-04	0.73	-0.01	-1.19e-03	0.0	-6.61e-05
26	113	0.58	-0.15	0.04	2.84e-04	0.0	3.63e-05
26	116	-0.58	0.15	-0.06	-2.88e-04	0.0	-3.57e-05
26	139	-0.07	0.76	-7.92e-03	-1.49e-03	0.0	-5.15e-05
26	145	0.65	-0.16	0.04	3.16e-04	0.0	4.06e-05
26	148	-0.65	0.16	-0.06	-3.20e-04	0.0	-4.00e-05
26	171	-0.08	0.85	-7.64e-03	-1.68e-03	0.0	-5.72e-05
26	177	0.65	-0.15	0.04	2.92e-04	0.0	3.90e-05
26	180	-0.65	0.15	-0.06	-2.96e-04	0.0	-3.84e-05
26	203	-0.07	0.87	-6.99e-03	-1.71e-03	0.0	-5.19e-05
26	209	0.76	-0.17	0.05	3.28e-04	0.0	4.57e-05
26	212	-0.76	0.17	-0.07	-3.32e-04	0.0	-4.51e-05
26	235	-0.08	1.03	-6.23e-03	-2.03e-03	0.0	-6.04e-05
26	261	-0.03	-7.22e-03	-0.01	1.40e-05	0.0	1.71e-06
26	264	-0.03	-6.32e-03	-0.01	1.22e-05	0.0	1.76e-06
26	275	-5.60e-04	0.49	-8.47e-03	-7.91e-04	0.0	-4.41e-05
26	304	-5.73e-03	-1.43e-03	-9.16e-03	2.70e-06	0.0	0.0
26	305	-5.62e-03	-5.10e-04	-9.84e-03	0.0	0.0	0.0
26	307	-7.02e-05	0.10	-9.05e-03	-1.60e-04	0.0	-8.57e-06
26	310	5.66e-05	9.38e-04	-9.23e-03	-1.97e-06	0.0	0.0
27	45	-0.04	-0.01	-9.42e-03	2.04e-05	0.0	2.44e-06
27	67	-2.78e-04	0.72	-0.01	-1.16e-03	0.0	-6.50e-05
27	76	7.11e-04	-0.21	-0.01	3.43e-04	0.0	2.01e-05
27	113	0.59	-0.14	-4.55e-03	2.74e-04	0.0	3.65e-05
27	139	-0.07	0.75	-1.45e-03	-1.49e-03	0.0	-5.18e-05
27	144	-0.22	-0.68	-0.02	1.34e-03	0.0	4.99e-05
27	145	0.66	-0.16	-3.87e-03	3.05e-04	0.0	4.08e-05
27	171	-0.08	0.85	-3.60e-04	-1.68e-03	0.0	-5.75e-05
27	176	-0.25	-0.77	-0.02	1.52e-03	0.0	5.53e-05
27	177	0.65	-0.14	-3.71e-03	2.81e-04	0.0	3.92e-05
27	203	-0.07	0.87	-9.40e-05	-1.71e-03	0.0	-5.22e-05
27	208	-0.25	-0.79	-0.02	1.55e-03	0.0	5.00e-05
27	209	0.76	-0.16	-2.53e-03	3.16e-04	0.0	4.59e-05
27	235	-0.08	1.03	1.74e-03	-2.03e-03	0.0	-6.08e-05
27	240	-0.29	-0.94	-0.02	1.84e-03	0.0	5.82e-05
27	261	-0.03	-6.71e-03	-9.43e-03	1.34e-05	0.0	1.72e-06
27	275	-1.88e-04	0.48	-8.95e-03	-7.75e-04	0.0	-4.33e-05
27	280	4.71e-04	-0.14	-0.01	2.29e-04	0.0	1.34e-05
27	298	2.60e-04	1.18e-03	-9.86e-03	-2.37e-06	0.0	0.0
27	304	-5.59e-03	-1.26e-03	-9.08e-03	2.53e-06	0.0	0.0
27	307	1.57e-04	0.10	-9.55e-03	-1.57e-04	0.0	-8.43e-06
27	310	2.46e-04	1.03e-03	-9.73e-03	-2.06e-06	0.0	0.0
28	1	0.0	0.0	0.0	-6.53e-06	0.0	0.0
28	113	0.0	0.0	0.0	2.76e-04	0.0	3.85e-06
28	145	0.0	0.0	0.0	3.07e-04	0.0	4.30e-06
28	177	0.0	0.0	0.0	2.84e-04	0.0	4.13e-06
28	209	0.0	0.0	0.0	3.18e-04	0.0	4.84e-06
28	241	0.0	0.0	0.0	-4.29e-06	0.0	0.0
28	297	0.0	0.0	0.0	0.0	0.0	0.0
28	309	0.0	0.0	0.0	0.0	0.0	0.0
29	44	-0.08	-0.02	-0.03	1.81e-05	0.0	4.96e-06
29	45	-0.08	-0.02	-0.03	2.11e-05	0.0	4.74e-06
29	67	-1.28e-03	1.36	-0.02	-8.80e-04	0.0	-1.48e-04
29	116	-1.15	0.29	-0.12	-2.81e-04	0.0	-7.12e-05
29	139	-0.13	1.50	-0.02	-1.46e-03	0.0	-9.94e-05
29	148	-1.29	0.33	-0.13	-3.12e-04	0.0	-7.97e-05
29	171	-0.15	1.70	-0.01	-1.65e-03	0.0	-1.10e-04
29	180	-1.28	0.30	-0.13	-2.88e-04	0.0	-7.66e-05
29	203	-0.14	1.73	-0.01	-1.68e-03	0.0	-1.00e-04
29	212	-1.49	0.34	-0.15	-3.24e-04	0.0	-9.00e-05
29	235	-0.16	2.05	-0.01	-1.99e-03	0.0	-1.16e-04
29	261	-0.06	-0.01	-0.02	1.40e-05	0.0	3.32e-06
29	264	-0.06	-0.01	-0.02	1.21e-05	0.0	3.37e-06
29	275	-9.34e-04	0.90	-0.02	-5.87e-04	0.0	-9.87e-05
29	304	-0.01	-2.83e-03	-0.02	2.69e-06	0.0	1.04e-06
29	305	-0.01	-9.86e-04	-0.02	0.0	0.0	1.04e-06
29	307	-3.24e-04	0.18	-0.02	-1.19e-04	0.0	-1.94e-05
29	309	-2.93e-04	6.43e-05	-0.02	0.0	0.0	0.0
29	310	-1.67e-04	1.91e-03	-0.02	-1.99e-06	0.0	0.0
30	45	-0.09	-0.02	-0.02	2.04e-05	0.0	4.74e-06
30	67	-4.89e-04	1.31	-0.02	-8.56e-04	0.0	-1.38e-04

30	76	8.27e-04	-0.39	-0.03	2.51e-04	0.0	4.22e-05
30	113	1.15	-0.28	-8.54e-03	2.68e-04	0.0	7.26e-05
30	139	-0.13	1.50	-2.10e-03	-1.46e-03	0.0	-1.00e-04
30	144	-0.44	-1.35	-0.04	1.32e-03	0.0	9.61e-05
30	145	1.29	-0.31	-7.19e-03	2.98e-04	0.0	8.12e-05
30	171	-0.15	1.69	1.07e-04	-1.65e-03	0.0	-1.11e-04
30	176	-0.50	-1.53	-0.04	1.49e-03	0.0	1.06e-04
30	177	1.28	-0.28	-6.87e-03	2.75e-04	0.0	7.80e-05
30	203	-0.14	1.72	6.41e-04	-1.68e-03	0.0	-1.01e-04
30	208	-0.49	-1.57	-0.04	1.52e-03	0.0	9.61e-05
30	209	1.50	-0.32	-4.50e-03	3.08e-04	0.0	9.15e-05
30	235	-0.16	2.04	4.34e-03	-1.99e-03	0.0	-1.17e-04
30	240	-0.58	-1.86	-0.05	1.81e-03	0.0	1.12e-04
30	261	-0.06	-0.01	-0.02	1.34e-05	0.0	3.32e-06
30	275	-3.46e-04	0.88	-0.02	-5.71e-04	0.0	-9.19e-05
30	280	5.31e-04	-0.26	-0.02	1.68e-04	0.0	2.82e-05
30	298	2.30e-04	2.36e-03	-0.02	-2.38e-06	0.0	0.0
30	304	-0.01	-2.52e-03	-0.02	2.53e-06	0.0	1.03e-06
30	307	9.59e-05	0.18	-0.02	-1.16e-04	0.0	-1.80e-05
30	310	2.11e-04	2.05e-03	-0.02	-2.07e-06	0.0	0.0
31	44	-0.12	-0.03	-0.06	1.79e-05	0.0	7.18e-06
31	45	-0.12	-0.03	-0.04	2.10e-05	0.0	6.93e-06
31	67	-2.77e-04	1.79	-0.03	-4.00e-04	0.0	-2.87e-04
31	113	1.62	-0.43	0.16	2.64e-04	0.0	1.03e-04
31	116	-1.62	0.44	-0.21	-2.68e-04	0.0	-1.02e-04
31	139	-0.18	2.23	-0.03	-1.41e-03	0.0	-1.36e-04
31	145	1.82	-0.48	0.18	2.94e-04	0.0	1.16e-04
31	148	-1.82	0.48	-0.23	-2.98e-04	0.0	-1.14e-04
31	171	-0.20	2.52	-0.02	-1.60e-03	0.0	-1.51e-04
31	177	1.80	-0.44	0.18	2.71e-04	0.0	1.11e-04
31	180	-1.80	0.45	-0.23	-2.75e-04	0.0	-1.10e-04
31	203	-0.19	2.57	-0.02	-1.63e-03	0.0	-1.36e-04
31	209	2.11	-0.50	0.21	3.04e-04	0.0	1.30e-04
31	212	-2.11	0.50	-0.26	-3.08e-04	0.0	-1.29e-04
31	235	-0.22	3.04	-0.02	-1.93e-03	0.0	-1.59e-04
31	261	-0.08	-0.02	-0.04	1.39e-05	0.0	4.83e-06
31	264	-0.08	-0.02	-0.04	1.20e-05	0.0	4.87e-06
31	275	-1.79e-04	1.19	-0.02	-2.66e-04	0.0	-1.91e-04
31	304	-0.02	-4.23e-03	-0.03	2.69e-06	0.0	1.47e-06
31	305	-0.02	-1.44e-03	-0.03	0.0	0.0	1.46e-06
31	307	2.98e-04	0.24	-0.03	-5.48e-05	0.0	-3.77e-05
31	310	4.21e-04	2.90e-03	-0.03	-1.97e-06	0.0	0.0
32	43	-0.12	-0.03	-0.04	1.68e-05	0.0	7.06e-06
32	67	-9.56e-04	1.69	-0.03	-3.90e-04	0.0	-2.06e-04
32	76	-1.17e-04	-0.50	-0.04	1.11e-04	0.0	6.29e-05
32	116	-1.64	0.42	-0.04	-2.62e-04	0.0	-1.01e-04
32	139	-0.19	2.23	-2.29e-03	-1.41e-03	0.0	-1.33e-04
32	144	-0.63	-2.01	-0.06	1.28e-03	0.0	1.26e-04
32	148	-1.85	0.46	-0.05	-2.90e-04	0.0	-1.13e-04
32	171	-0.21	2.51	1.06e-03	-1.60e-03	0.0	-1.47e-04
32	176	-0.71	-2.27	-0.06	1.44e-03	0.0	1.40e-04
32	180	-1.83	0.43	-0.05	-2.68e-04	0.0	-1.08e-04
32	203	-0.20	2.56	1.87e-03	-1.63e-03	0.0	-1.33e-04
32	208	-0.71	-2.32	-0.06	1.48e-03	0.0	1.26e-04
32	212	-2.14	0.48	-0.05	-3.00e-04	0.0	-1.27e-04
32	235	-0.22	3.03	7.49e-03	-1.93e-03	0.0	-1.55e-04
32	240	-0.83	-2.76	-0.07	1.76e-03	0.0	1.46e-04
32	263	-0.08	-0.02	-0.03	1.12e-05	0.0	4.79e-06
32	275	-6.92e-04	1.12	-0.03	-2.60e-04	0.0	-1.37e-04
32	280	-1.32e-04	-0.33	-0.03	7.42e-05	0.0	4.20e-05
32	298	-3.20e-04	3.55e-03	-0.03	-2.40e-06	0.0	0.0
32	305	-0.02	-1.00e-03	-0.03	0.0	0.0	1.46e-06
32	307	-3.92e-04	0.23	-0.03	-5.36e-05	0.0	-2.69e-05
32	310	-3.18e-04	3.09e-03	-0.03	-2.08e-06	0.0	0.0
33	18	0.02	6.50e-03	-0.01	-1.31e-05	0.0	0.0
33	45	-0.04	-9.47e-03	-4.93e-03	1.96e-05	0.0	2.42e-06
33	67	2.11e-04	0.70	-0.01	-1.14e-03	0.0	-6.20e-05
33	113	0.59	-0.13	-0.05	2.65e-04	0.0	3.67e-05
33	139	-0.07	0.75	7.47e-03	-1.48e-03	0.0	-5.21e-05
33	145	0.66	-0.15	-0.05	2.94e-04	0.0	4.10e-05
33	171	-0.08	0.85	9.48e-03	-1.68e-03	0.0	-5.78e-05
33	177	0.66	-0.14	-0.05	2.71e-04	0.0	3.94e-05
33	203	-0.07	0.86	9.05e-03	-1.71e-03	0.0	-5.24e-05
33	209	0.77	-0.15	-0.06	3.04e-04	0.0	4.62e-05
33	235	-0.08	1.03	0.01	-2.02e-03	0.0	-6.11e-05

33	251	0.02	4.31e-03	-0.01	-8.72e-06	0.0	0.0
33	261	-0.03	-6.21e-03	-6.20e-03	1.29e-05	0.0	1.71e-06
33	275	1.76e-04	0.46	-8.34e-03	-7.61e-04	0.0	-4.13e-05
33	303	3.42e-03	1.76e-03	-9.19e-03	-3.46e-06	0.0	0.0
33	304	-5.55e-03	-1.09e-03	-7.93e-03	2.35e-06	0.0	0.0
33	307	3.94e-04	0.09	-8.83e-03	-1.54e-04	0.0	-8.02e-06
33	310	4.50e-04	1.12e-03	-8.98e-03	-2.14e-06	0.0	0.0
34	1	0.0	0.0	0.0	-6.41e-06	0.0	0.0
34	113	0.0	0.0	0.0	2.66e-04	0.0	3.84e-06
34	145	0.0	0.0	0.0	2.96e-04	0.0	4.29e-06
34	177	0.0	0.0	0.0	2.73e-04	0.0	4.13e-06
34	209	0.0	0.0	0.0	3.06e-04	0.0	4.84e-06
34	241	0.0	0.0	0.0	-4.23e-06	0.0	0.0
34	297	0.0	0.0	0.0	0.0	0.0	0.0
34	309	0.0	0.0	0.0	0.0	0.0	0.0
35	18	0.04	0.01	-0.03	-1.32e-05	0.0	-1.46e-06
35	45	-0.09	-0.02	-7.41e-03	1.97e-05	0.0	4.74e-06
35	67	3.48e-04	1.27	-0.02	-8.41e-04	0.0	-1.27e-04
35	113	1.17	-0.26	-0.11	2.60e-04	0.0	7.32e-05
35	139	-0.13	1.49	0.02	-1.46e-03	0.0	-1.01e-04
35	145	1.31	-0.29	-0.12	2.89e-04	0.0	8.18e-05
35	171	-0.15	1.69	0.02	-1.65e-03	0.0	-1.12e-04
35	177	1.30	-0.27	-0.12	2.66e-04	0.0	7.85e-05
35	203	-0.14	1.72	0.02	-1.68e-03	0.0	-1.02e-04
35	209	1.52	-0.30	-0.13	2.98e-04	0.0	9.20e-05
35	235	-0.16	2.04	0.03	-1.99e-03	0.0	-1.18e-04
35	251	0.03	8.58e-03	-0.02	-8.74e-06	0.0	0.0
35	261	-0.06	-0.01	-0.01	1.29e-05	0.0	3.32e-06
35	275	2.74e-04	0.85	-0.02	-5.61e-04	0.0	-8.48e-05
35	303	6.45e-03	3.47e-03	-0.02	-3.47e-06	0.0	0.0
35	304	-0.01	-2.21e-03	-0.01	2.37e-06	0.0	1.04e-06
35	307	5.72e-04	0.17	-0.02	-1.14e-04	0.0	-1.66e-05
35	310	6.51e-04	2.20e-03	-0.02	-2.15e-06	0.0	0.0
36	18	0.06	0.02	-0.04	-1.34e-05	0.0	-2.29e-06
36	43	-0.12	-0.02	-0.02	1.61e-05	0.0	7.08e-06
36	67	-1.30e-03	1.66	-0.03	-3.81e-04	0.0	-1.30e-04
36	113	1.63	-0.39	-0.19	2.51e-04	0.0	1.00e-04
36	116	-1.63	0.40	0.14	-2.55e-04	0.0	-9.89e-05
36	139	-0.19	2.22	0.04	-1.41e-03	0.0	-1.29e-04
36	145	1.84	-0.44	-0.20	2.79e-04	0.0	1.12e-04
36	148	-1.84	0.44	0.16	-2.84e-04	0.0	-1.11e-04
36	171	-0.21	2.51	0.05	-1.60e-03	0.0	-1.43e-04
36	177	1.82	-0.40	-0.20	2.57e-04	0.0	1.08e-04
36	180	-1.82	0.41	0.15	-2.61e-04	0.0	-1.07e-04
36	203	-0.20	2.56	0.04	-1.63e-03	0.0	-1.30e-04
36	209	2.13	-0.45	-0.23	2.88e-04	0.0	1.27e-04
36	212	-2.13	0.45	0.18	-2.92e-04	0.0	-1.25e-04
36	235	-0.22	3.03	0.06	-1.93e-03	0.0	-1.51e-04
36	251	0.04	0.01	-0.03	-8.85e-06	0.0	-1.44e-06
36	263	-0.08	-0.02	-0.01	1.08e-05	0.0	4.80e-06
36	275	-9.72e-04	1.11	-0.02	-2.54e-04	0.0	-8.66e-05
36	303	7.41e-03	5.18e-03	-0.03	-3.53e-06	0.0	0.0
36	305	-0.02	-5.71e-04	-0.02	0.0	0.0	1.45e-06
36	307	-7.90e-04	0.22	-0.02	-5.25e-05	0.0	-1.68e-05
36	310	-7.45e-04	3.27e-03	-0.02	-2.20e-06	0.0	0.0
37	44	-0.26	-0.04	-0.09	1.79e-05	0.0	8.56e-06
37	67	-4.93e-03	1.80	-0.05	1.31e-04	0.0	-2.17e-04
37	116	-3.06	0.57	-0.30	-2.53e-04	0.0	-1.08e-04
37	139	-0.33	2.92	-0.04	-1.36e-03	0.0	-1.27e-04
37	148	-3.44	0.63	-0.33	-2.81e-04	0.0	-1.21e-04
37	171	-0.37	3.30	-0.03	-1.53e-03	0.0	-1.41e-04
37	180	-3.40	0.58	-0.33	-2.59e-04	0.0	-1.18e-04
37	203	-0.35	3.36	-0.03	-1.56e-03	0.0	-1.28e-04
37	212	-3.98	0.65	-0.38	-2.90e-04	0.0	-1.38e-04
37	235	-0.40	3.99	-0.03	-1.85e-03	0.0	-1.48e-04
37	264	-0.17	-0.02	-0.06	1.20e-05	0.0	5.81e-06
37	275	-3.50e-03	1.20	-0.04	8.76e-05	0.0	-1.45e-04
37	305	-0.04	-1.89e-03	-0.04	0.0	0.0	1.91e-06
37	307	-4.07e-03	0.24	-0.04	1.60e-05	0.0	-2.81e-05
37	310	-4.27e-03	3.85e-03	-0.04	-1.92e-06	0.0	0.0
38	44	-0.26	-0.03	-0.05	1.72e-05	0.0	8.57e-06
38	67	-5.31e-03	1.74	-0.05	1.25e-04	0.0	-2.05e-04
38	76	-8.63e-03	-0.51	-0.06	-4.33e-05	0.0	6.35e-05
38	116	-3.06	0.54	-0.06	-2.48e-04	0.0	-1.09e-04
38	139	-0.34	2.92	-4.76e-03	-1.36e-03	0.0	-1.27e-04

38	144	-1.20	-2.64	-0.08	1.23e-03	0.0	1.20e-04
38	148	-3.44	0.60	-0.06	-2.76e-04	0.0	-1.22e-04
38	171	-0.37	3.30	-4.89e-04	-1.54e-03	0.0	-1.41e-04
38	176	-1.35	-2.98	-0.08	1.39e-03	0.0	1.33e-04
38	180	-3.40	0.56	-0.06	-2.54e-04	0.0	-1.18e-04
38	203	-0.35	3.36	5.40e-04	-1.57e-03	0.0	-1.28e-04
38	208	-1.35	-3.05	-0.08	1.42e-03	0.0	1.20e-04
38	212	-3.98	0.63	-0.06	-2.84e-04	0.0	-1.39e-04
38	235	-0.40	3.98	7.70e-03	-1.86e-03	0.0	-1.49e-04
38	240	-1.58	-3.62	-0.09	1.69e-03	0.0	1.39e-04
38	264	-0.17	-0.02	-0.04	1.15e-05	0.0	5.82e-06
38	275	-3.78e-03	1.16	-0.03	8.34e-05	0.0	-1.37e-04
38	280	-5.99e-03	-0.34	-0.04	-2.88e-05	0.0	4.24e-05
38	298	-4.87e-03	4.76e-03	-0.04	-2.43e-06	0.0	0.0
38	305	-0.04	-1.32e-03	-0.04	0.0	0.0	1.91e-06
38	307	-4.42e-03	0.24	-0.04	1.51e-05	0.0	-2.66e-05
38	310	-4.64e-03	4.14e-03	-0.04	-2.11e-06	0.0	0.0
39	44	-0.39	-0.05	-0.10	1.81e-05	0.0	1.01e-05
39	67	-7.25e-03	1.59	-0.07	5.94e-04	0.0	-2.30e-04
39	116	-4.51	0.69	-0.28	-2.40e-04	0.0	-1.15e-04
39	139	-0.49	3.59	-0.03	-1.30e-03	0.0	-1.10e-04
39	148	-5.07	0.77	-0.31	-2.67e-04	0.0	-1.29e-04
39	171	-0.54	4.05	-0.03	-1.47e-03	0.0	-1.23e-04
39	180	-5.02	0.71	-0.30	-2.46e-04	0.0	-1.26e-04
39	203	-0.51	4.13	-0.03	-1.50e-03	0.0	-1.12e-04
39	212	-5.88	0.79	-0.35	-2.75e-04	0.0	-1.48e-04
39	235	-0.58	4.89	-0.02	-1.78e-03	0.0	-1.30e-04
39	264	-0.26	-0.03	-0.07	1.22e-05	0.0	6.88e-06
39	275	-5.13e-03	1.06	-0.05	3.96e-04	0.0	-1.53e-04
39	305	-0.06	-2.36e-03	-0.06	0.0	0.0	2.50e-06
39	307	-6.51e-03	0.22	-0.05	7.78e-05	0.0	-2.95e-05
39	310	-6.96e-03	4.77e-03	-0.06	-1.81e-06	0.0	1.44e-06
40	44	-0.39	-0.04	-0.07	1.72e-05	0.0	1.02e-05
40	67	-9.24e-03	1.51	-0.06	5.74e-04	0.0	-1.80e-04
40	76	-0.02	-0.44	-0.07	-1.78e-04	0.0	5.72e-05
40	116	-4.49	0.66	-0.07	-2.36e-04	0.0	-1.14e-04
40	139	-0.49	3.58	-7.94e-03	-1.31e-03	0.0	-1.09e-04
40	144	-1.77	-3.23	-0.10	1.18e-03	0.0	1.01e-04
40	148	-5.05	0.74	-0.07	-2.62e-04	0.0	-1.28e-04
40	171	-0.54	4.05	-2.81e-03	-1.48e-03	0.0	-1.21e-04
40	176	-2.00	-3.65	-0.10	1.34e-03	0.0	1.12e-04
40	180	-5.00	0.68	-0.07	-2.41e-04	0.0	-1.25e-04
40	203	-0.51	4.12	-1.57e-03	-1.51e-03	0.0	-1.11e-04
40	208	-1.99	-3.74	-0.10	1.37e-03	0.0	1.02e-04
40	212	-5.85	0.76	-0.08	-2.69e-04	0.0	-1.47e-04
40	235	-0.57	4.89	7.04e-03	-1.79e-03	0.0	-1.29e-04
40	240	-2.33	-4.45	-0.11	1.63e-03	0.0	1.18e-04
40	264	-0.26	-0.03	-0.05	1.15e-05	0.0	6.93e-06
40	275	-6.58e-03	1.01	-0.04	3.83e-04	0.0	-1.20e-04
40	280	-0.01	-0.29	-0.05	-1.19e-04	0.0	3.82e-05
40	298	-9.27e-03	5.98e-03	-0.05	-2.45e-06	0.0	1.51e-06
40	305	-0.06	-1.62e-03	-0.05	0.0	0.0	2.53e-06
40	307	-8.27e-03	0.21	-0.05	7.49e-05	0.0	-2.29e-05
40	310	-8.81e-03	5.19e-03	-0.05	-2.12e-06	0.0	1.47e-06
41	18	0.12	0.03	-0.07	-1.36e-05	0.0	-2.16e-06
41	44	-0.26	-0.03	-0.03	1.65e-05	0.0	8.56e-06
41	67	-5.70e-03	1.68	-0.05	1.22e-04	0.0	-1.94e-04
41	113	3.05	-0.51	-0.26	2.40e-04	0.0	1.11e-04
41	116	-3.06	0.52	0.19	-2.44e-04	0.0	-1.09e-04
41	139	-0.34	2.91	0.05	-1.36e-03	0.0	-1.28e-04
41	145	3.42	-0.57	-0.29	2.66e-04	0.0	1.24e-04
41	148	-3.43	0.58	0.21	-2.71e-04	0.0	-1.22e-04
41	171	-0.37	3.29	0.06	-1.54e-03	0.0	-1.42e-04
41	177	3.39	-0.53	-0.29	2.45e-04	0.0	1.20e-04
41	180	-3.40	0.53	0.21	-2.49e-04	0.0	-1.18e-04
41	203	-0.35	3.35	0.06	-1.57e-03	0.0	-1.29e-04
41	209	3.97	-0.59	-0.33	2.74e-04	0.0	1.41e-04
41	212	-3.98	0.60	0.25	-2.79e-04	0.0	-1.39e-04
41	235	-0.40	3.98	0.08	-1.86e-03	0.0	-1.50e-04
41	251	0.08	0.02	-0.05	-9.00e-06	0.0	-1.34e-06
41	264	-0.17	-0.02	-0.02	1.11e-05	0.0	5.81e-06
41	275	-4.07e-03	1.12	-0.04	8.13e-05	0.0	-1.30e-04
41	303	0.01	7.00e-03	-0.04	-3.63e-06	0.0	0.0
41	305	-0.04	-7.51e-04	-0.04	0.0	0.0	1.91e-06
41	307	-4.76e-03	0.23	-0.04	1.45e-05	0.0	-2.51e-05

41	310	-5.00e-03	4.42e-03	-0.04	-2.29e-06	0.0	0.0
42	4	0.09	0.03	-0.08	-1.14e-05	0.0	0.0
42	44	-0.40	-0.04	-0.06	1.63e-05	0.0	1.01e-05
42	67	-0.01	1.48	-0.07	5.56e-04	0.0	-1.36e-04
42	114	3.64	-1.92	-0.23	7.13e-04	0.0	4.34e-05
42	116	-4.51	0.64	0.10	-2.31e-04	0.0	-1.12e-04
42	139	-0.49	3.58	0.03	-1.32e-03	0.0	-1.08e-04
42	146	4.09	-2.17	-0.26	8.03e-04	0.0	4.82e-05
42	148	-5.07	0.71	0.12	-2.56e-04	0.0	-1.26e-04
42	171	-0.54	4.05	0.04	-1.49e-03	0.0	-1.20e-04
42	178	4.01	-2.15	-0.25	7.99e-04	0.0	4.50e-05
42	180	-5.02	0.66	0.12	-2.36e-04	0.0	-1.24e-04
42	203	-0.51	4.12	0.04	-1.52e-03	0.0	-1.10e-04
42	210	4.67	-2.54	-0.29	9.41e-04	0.0	5.12e-05
42	212	-5.87	0.73	0.15	-2.63e-04	0.0	-1.46e-04
42	235	-0.58	4.89	0.05	-1.80e-03	0.0	-1.28e-04
42	244	0.06	0.02	-0.06	-7.53e-06	0.0	0.0
42	264	-0.27	-0.03	-0.05	1.09e-05	0.0	6.87e-06
42	275	-8.26e-03	0.99	-0.05	3.70e-04	0.0	-9.05e-05
42	303	0.01	8.86e-03	-0.06	-3.77e-06	0.0	0.0
42	305	-0.06	-8.94e-04	-0.05	0.0	0.0	2.49e-06
42	307	-0.01	0.20	-0.05	7.22e-05	0.0	-1.70e-05
42	310	-0.01	5.61e-03	-0.05	-2.43e-06	0.0	1.43e-06
43	44	-0.43	-0.05	-0.11	1.83e-05	0.0	1.34e-05
43	67	-9.11e-03	1.13	-0.08	8.85e-04	0.0	-9.32e-05
43	116	-4.93	0.79	-0.24	-2.32e-04	0.0	-1.25e-04
43	139	-0.53	4.15	-0.03	-1.27e-03	0.0	-8.84e-05
43	148	-5.54	0.88	-0.27	-2.58e-04	0.0	-1.41e-04
43	171	-0.59	4.68	-0.03	-1.43e-03	0.0	-9.93e-05
43	180	-5.49	0.81	-0.27	-2.38e-04	0.0	-1.39e-04
43	203	-0.55	4.77	-0.02	-1.46e-03	0.0	-9.44e-05
43	212	-6.42	0.91	-0.30	-2.66e-04	0.0	-1.65e-04
43	235	-0.63	5.66	-0.01	-1.73e-03	0.0	-1.11e-04
43	264	-0.28	-0.04	-0.08	1.23e-05	0.0	9.14e-06
43	275	-6.59e-03	0.75	-0.06	5.90e-04	0.0	-6.20e-05
43	305	-0.06	-3.06e-03	-0.07	1.08e-06	0.0	3.89e-06
43	307	-8.82e-03	0.15	-0.06	1.17e-04	0.0	-1.03e-05
43	310	-9.49e-03	5.36e-03	-0.07	-1.71e-06	0.0	2.66e-06
44	44	-0.43	-0.05	-0.08	1.71e-05	0.0	1.34e-05
44	67	-8.66e-03	1.10	-0.07	8.55e-04	0.0	-9.43e-05
44	76	-0.02	-0.31	-0.08	-2.62e-04	0.0	3.42e-05
44	116	-4.93	0.77	-0.09	-2.27e-04	0.0	-1.25e-04
44	139	-0.53	4.15	-0.01	-1.28e-03	0.0	-8.86e-05
44	144	-1.95	-3.74	-0.11	1.15e-03	0.0	8.05e-05
44	148	-5.54	0.85	-0.09	-2.52e-04	0.0	-1.41e-04
44	171	-0.59	4.69	-4.57e-03	-1.44e-03	0.0	-9.94e-05
44	176	-2.19	-4.24	-0.12	1.30e-03	0.0	8.96e-05
44	180	-5.49	0.79	-0.09	-2.32e-04	0.0	-1.39e-04
44	203	-0.55	4.78	-3.10e-03	-1.47e-03	0.0	-9.45e-05
44	208	-2.19	-4.34	-0.12	1.33e-03	0.0	8.50e-05
44	212	-6.42	0.88	-0.10	-2.59e-04	0.0	-1.65e-04
44	235	-0.63	5.67	7.09e-03	-1.74e-03	0.0	-1.11e-04
44	240	-2.56	-5.15	-0.14	1.59e-03	0.0	9.87e-05
44	264	-0.28	-0.03	-0.06	1.15e-05	0.0	9.12e-06
44	275	-6.20e-03	0.74	-0.05	5.70e-04	0.0	-6.27e-05
44	280	-0.01	-0.21	-0.06	-1.75e-04	0.0	2.30e-05
44	298	-9.62e-03	7.09e-03	-0.06	-2.47e-06	0.0	2.78e-06
44	305	-0.06	-1.89e-03	-0.06	0.0	0.0	3.88e-06
44	307	-8.49e-03	0.15	-0.06	1.12e-04	0.0	-1.04e-05
44	310	-9.17e-03	6.16e-03	-0.06	-2.14e-06	0.0	2.65e-06
45	44	-0.47	-0.06	-0.13	-1.38e-04	0.0	1.63e-05
45	67	-9.62e-03	0.56	-0.10	-1.60e-03	0.0	4.71e-05
45	116	-5.43	0.89	-0.24	-4.40e-04	0.0	-1.44e-04
45	139	-0.58	4.69	-0.04	-1.82e-03	0.0	4.46e-05
45	148	-6.11	0.99	-0.26	-4.80e-04	0.0	-1.63e-04
45	171	-0.64	5.30	-0.03	-2.05e-03	0.0	5.00e-05
45	180	-6.05	0.92	-0.26	-4.51e-04	0.0	-1.62e-04
45	203	-0.60	5.40	-0.03	-2.08e-03	0.0	5.02e-05
45	212	-7.08	1.03	-0.29	-4.97e-04	0.0	-1.92e-04
45	235	-0.68	6.41	-0.02	-2.45e-03	0.0	5.89e-05
45	264	-0.31	-0.04	-0.09	-9.63e-05	0.0	1.10e-05
45	275	-6.91e-03	0.38	-0.07	-1.07e-03	0.0	3.16e-05
45	305	-0.07	-3.78e-03	-0.08	-9.13e-05	0.0	4.84e-06
45	307	-9.92e-03	0.08	-0.08	-2.88e-04	0.0	9.00e-06
45	310	-0.01	5.92e-03	-0.08	-9.30e-05	0.0	3.39e-06

46	44	-0.47	-0.06	-0.11	-1.36e-04	0.0	1.61e-05
46	67	-9.49e-03	0.57	-0.09	-1.58e-03	0.0	-9.97e-06
46	76	-0.02	-0.15	-0.11	2.57e-04	0.0	1.05e-05
46	116	-5.44	0.86	-0.11	-4.25e-04	0.0	-1.45e-04
46	139	-0.58	4.71	-0.02	-1.81e-03	0.0	4.45e-05
46	144	-2.15	-4.24	-0.14	1.46e-03	0.0	-5.45e-05
46	148	-6.11	0.96	-0.11	-4.62e-04	0.0	-1.63e-04
46	171	-0.64	5.32	-0.02	-2.04e-03	0.0	4.99e-05
46	176	-2.42	-4.80	-0.15	1.66e-03	0.0	-6.19e-05
46	180	-6.05	0.89	-0.11	-4.34e-04	0.0	-1.62e-04
46	203	-0.60	5.42	-0.01	-2.07e-03	0.0	5.01e-05
46	208	-2.42	-4.92	-0.15	1.71e-03	0.0	-6.17e-05
46	212	-7.08	0.99	-0.12	-4.77e-04	0.0	-1.93e-04
46	235	-0.68	6.43	-2.34e-03	-2.44e-03	0.0	5.87e-05
46	240	-2.83	-5.84	-0.17	2.04e-03	0.0	-7.36e-05
46	264	-0.31	-0.04	-0.08	-9.51e-05	0.0	1.10e-05
46	275	-6.81e-03	0.38	-0.07	-1.06e-03	0.0	-6.44e-06
46	280	-0.01	-0.10	-0.08	1.67e-04	0.0	7.19e-06
46	298	-0.01	8.21e-03	-0.08	-9.74e-05	0.0	3.48e-06
46	305	-0.07	-2.15e-03	-0.08	-9.01e-05	0.0	4.77e-06
46	307	-9.78e-03	0.08	-0.07	-2.83e-04	0.0	1.33e-06
46	310	-0.01	7.13e-03	-0.08	-9.18e-05	0.0	3.32e-06
47	44	-0.42	-0.05	-0.08	1.60e-05	0.0	1.34e-05
47	67	-8.05e-03	1.08	-0.08	8.26e-04	0.0	-9.38e-05
47	76	-0.02	-0.30	-0.10	-2.55e-04	0.0	3.41e-05
47	116	-4.91	0.74	0.05	-2.22e-04	0.0	-1.25e-04
47	118	4.19	-2.59	-0.20	8.00e-04	0.0	1.09e-04
47	139	-0.53	4.16	0.01	-1.28e-03	0.0	-8.88e-05
47	148	-5.52	0.82	0.07	-2.46e-04	0.0	-1.41e-04
47	150	4.71	-2.92	-0.22	9.01e-04	0.0	1.22e-04
47	171	-0.59	4.70	0.02	-1.45e-03	0.0	-9.96e-05
47	180	-5.47	0.76	0.06	-2.26e-04	0.0	-1.39e-04
47	182	4.63	-2.91	-0.22	8.98e-04	0.0	1.18e-04
47	203	-0.55	4.79	0.02	-1.48e-03	0.0	-9.45e-05
47	212	-6.40	0.84	0.09	-2.51e-04	0.0	-1.65e-04
47	214	5.41	-3.42	-0.24	1.06e-03	0.0	1.37e-04
47	235	-0.62	5.68	0.04	-1.75e-03	0.0	-1.11e-04
47	264	-0.28	-0.03	-0.06	1.07e-05	0.0	9.14e-06
47	275	-5.70e-03	0.72	-0.06	5.51e-04	0.0	-6.24e-05
47	280	-0.01	-0.20	-0.07	-1.70e-04	0.0	2.29e-05
47	298	-9.19e-03	7.94e-03	-0.07	-2.91e-06	0.0	2.79e-06
47	305	-0.06	-7.13e-04	-0.06	0.0	0.0	3.90e-06
47	307	-8.03e-03	0.15	-0.06	1.08e-04	0.0	-1.04e-05
47	310	-8.73e-03	6.96e-03	-0.07	-2.55e-06	0.0	2.67e-06
48	43	-0.46	-0.05	-0.11	-1.26e-04	0.0	1.60e-05
48	67	-8.99e-03	0.57	-0.10	-1.54e-03	0.0	-6.15e-05
48	76	-0.02	-0.15	-0.12	2.49e-04	0.0	2.63e-05
48	116	-5.44	0.83	0.02	-4.09e-04	0.0	-1.45e-04
48	118	4.64	-2.94	-0.20	9.83e-04	0.0	8.09e-05
48	139	-0.58	4.72	-1.51e-03	-1.81e-03	0.0	4.46e-05
48	148	-6.11	0.93	0.03	-4.45e-04	0.0	-1.63e-04
48	150	5.21	-3.31	-0.22	1.12e-03	0.0	9.03e-05
48	171	-0.64	5.33	8.56e-03	-2.03e-03	0.0	5.00e-05
48	180	-6.05	0.85	0.03	-4.17e-04	0.0	-1.63e-04
48	182	5.12	-3.30	-0.21	1.11e-03	0.0	8.82e-05
48	203	-0.60	5.44	8.58e-03	-2.07e-03	0.0	5.02e-05
48	212	-7.08	0.95	0.04	-4.57e-04	0.0	-1.93e-04
48	214	5.98	-3.88	-0.24	1.32e-03	0.0	1.03e-04
48	235	-0.68	6.45	0.02	-2.43e-03	0.0	5.88e-05
48	263	-0.31	-0.03	-0.08	-8.81e-05	0.0	1.08e-05
48	275	-6.42e-03	0.38	-0.07	-1.03e-03	0.0	-4.08e-05
48	280	-0.01	-0.10	-0.09	1.62e-04	0.0	1.77e-05
48	298	-0.01	9.46e-03	-0.08	-9.61e-05	0.0	3.64e-06
48	305	-0.07	-5.42e-04	-0.08	-8.90e-05	0.0	4.90e-06
48	307	-9.29e-03	0.08	-0.08	-2.77e-04	0.0	-5.43e-06
48	310	-0.01	8.31e-03	-0.08	-9.06e-05	0.0	3.46e-06
49	18	0.02	8.45e-03	-6.83e-03	-1.66e-05	0.0	-1.37e-06
49	45	-0.04	-0.01	-2.13e-03	2.65e-05	0.0	1.83e-06
49	67	-1.07e-03	0.70	-5.06e-03	-1.31e-03	0.0	1.21e-05
49	113	0.57	-0.16	-0.01	3.24e-04	0.0	1.74e-05
49	114	0.47	-0.41	-0.02	8.16e-04	0.0	5.13e-06
49	139	-0.07	0.75	9.42e-04	-1.49e-03	0.0	6.93e-06
49	145	0.65	-0.18	-0.02	3.61e-04	0.0	1.96e-05
49	146	0.53	-0.46	-0.02	9.17e-04	0.0	5.72e-06
49	171	-0.08	0.84	1.59e-03	-1.68e-03	0.0	7.73e-06

49	177	0.64	-0.17	-0.02	3.37e-04	0.0	1.92e-05
49	178	0.52	-0.45	-0.02	9.06e-04	0.0	5.16e-06
49	203	-0.07	0.86	1.46e-03	-1.71e-03	0.0	7.00e-06
49	209	0.75	-0.19	-0.02	3.81e-04	0.0	2.27e-05
49	210	0.60	-0.53	-0.02	1.06e-03	0.0	5.86e-06
49	235	-0.09	1.02	2.41e-03	-2.02e-03	0.0	8.18e-06
49	251	0.01	5.59e-03	-5.04e-03	-1.10e-05	0.0	0.0
49	261	-0.03	-8.74e-03	-2.86e-03	1.75e-05	0.0	1.14e-06
49	275	-7.63e-04	0.46	-3.86e-03	-8.72e-04	0.0	8.07e-06
49	303	2.99e-03	2.03e-03	-4.47e-03	-3.89e-06	0.0	0.0
49	304	-5.61e-03	-1.62e-03	-3.87e-03	3.33e-06	0.0	0.0
49	307	-1.46e-05	0.09	-4.24e-03	-1.76e-04	0.0	1.43e-06
49	310	1.80e-04	1.14e-03	-4.34e-03	-2.12e-06	0.0	0.0
50	1	0.0	0.0	0.0	-8.56e-06	0.0	0.0
50	113	0.0	0.0	0.0	3.25e-04	0.0	2.09e-06
50	145	0.0	0.0	0.0	3.62e-04	0.0	2.36e-06
50	177	0.0	0.0	0.0	3.37e-04	0.0	2.31e-06
50	209	0.0	0.0	0.0	3.81e-04	0.0	2.73e-06
50	241	0.0	0.0	0.0	-5.62e-06	0.0	0.0
50	297	0.0	0.0	0.0	0.0	0.0	0.0
50	309	0.0	0.0	0.0	0.0	0.0	0.0
51	18	0.04	0.02	-9.54e-03	-1.62e-05	0.0	-2.23e-06
51	41	-0.08	-0.03	-4.65e-03	2.61e-05	0.0	3.34e-06
51	67	-2.15e-03	1.32	-6.97e-03	-1.21e-03	0.0	5.94e-05
51	114	0.94	-0.82	-0.03	8.12e-04	0.0	9.62e-06
51	116	-1.15	0.33	0.01	-3.27e-04	0.0	-3.79e-05
51	139	-0.14	1.49	2.30e-03	-1.48e-03	0.0	1.95e-05
51	146	1.05	-0.92	-0.03	9.13e-04	0.0	1.07e-05
51	148	-1.29	0.37	0.01	-3.64e-04	0.0	-4.26e-05
51	171	-0.15	1.68	3.32e-03	-1.67e-03	0.0	2.17e-05
51	178	1.03	-0.91	-0.03	9.02e-04	0.0	9.63e-06
51	180	-1.27	0.34	0.01	-3.40e-04	0.0	-4.19e-05
51	203	-0.14	1.71	3.11e-03	-1.70e-03	0.0	2.03e-05
51	210	1.20	-1.06	-0.03	1.06e-03	0.0	1.09e-05
51	212	-1.49	0.38	0.02	-3.84e-04	0.0	-4.95e-05
51	235	-0.16	2.02	4.59e-03	-2.01e-03	0.0	2.38e-05
51	251	0.03	0.01	-7.03e-03	-1.07e-05	0.0	-1.48e-06
51	261	-0.06	-0.02	-3.77e-03	1.75e-05	0.0	2.23e-06
51	275	-1.58e-03	0.88	-5.32e-03	-8.05e-04	0.0	3.96e-05
51	303	5.04e-03	3.91e-03	-6.17e-03	-3.66e-06	0.0	0.0
51	304	-0.01	-3.32e-03	-5.30e-03	3.45e-06	0.0	0.0
51	307	-7.24e-04	0.18	-5.84e-03	-1.62e-04	0.0	7.73e-06
51	309	-6.76e-04	2.23e-04	-5.69e-03	0.0	0.0	0.0
51	310	-5.05e-04	2.14e-03	-5.98e-03	-1.91e-06	0.0	0.0
52	18	0.06	0.02	-0.01	-1.60e-05	0.0	-2.37e-06
52	43	-0.12	-0.03	-5.56e-03	2.30e-05	0.0	4.84e-06
52	67	-4.41e-03	1.90	-8.10e-03	-1.18e-03	0.0	1.85e-04
52	113	1.63	-0.49	-0.02	3.23e-04	0.0	5.45e-05
52	116	-1.63	0.49	5.52e-03	-3.27e-04	0.0	-5.44e-05
52	139	-0.19	2.23	-2.02e-03	-1.47e-03	0.0	4.23e-05
52	145	1.83	-0.54	-0.02	3.60e-04	0.0	6.13e-05
52	148	-1.83	0.55	7.07e-03	-3.64e-04	0.0	-6.12e-05
52	171	-0.21	2.51	-1.41e-03	-1.66e-03	0.0	4.72e-05
52	177	1.81	-0.50	-0.02	3.36e-04	0.0	6.06e-05
52	180	-1.81	0.51	6.88e-03	-3.39e-04	0.0	-6.05e-05
52	203	-0.20	2.56	-1.54e-03	-1.69e-03	0.0	4.49e-05
52	209	2.12	-0.57	-0.02	3.80e-04	0.0	7.19e-05
52	212	-2.12	0.58	9.23e-03	-3.83e-04	0.0	-7.18e-05
52	235	-0.23	3.03	-6.51e-04	-2.00e-03	0.0	5.27e-05
52	251	0.04	0.02	-8.40e-03	-1.06e-05	0.0	-1.56e-06
52	263	-0.08	-0.02	-4.48e-03	1.54e-05	0.0	3.25e-06
52	275	-3.30e-03	1.27	-6.18e-03	-7.89e-04	0.0	1.24e-04
52	303	5.20e-03	5.68e-03	-7.26e-03	-3.58e-06	0.0	0.0
52	305	-0.02	-2.26e-03	-6.48e-03	1.68e-06	0.0	0.0
52	307	-2.85e-03	0.26	-6.82e-03	-1.59e-04	0.0	2.47e-05
52	310	-2.74e-03	3.04e-03	-7.00e-03	-1.83e-06	0.0	0.0
53	45	-0.04	-0.01	-2.19e-03	2.50e-05	0.0	1.81e-06
53	67	-1.04e-03	0.70	-3.01e-03	-1.34e-03	0.0	2.14e-05
53	76	7.56e-04	-0.21	-3.27e-03	3.96e-04	0.0	-6.84e-06
53	113	0.58	-0.16	-3.81e-03	3.13e-04	0.0	1.75e-05
53	139	-0.07	0.75	-2.26e-03	-1.49e-03	0.0	8.83e-06
53	145	0.65	-0.17	-3.99e-03	3.48e-04	0.0	1.97e-05
53	171	-0.08	0.85	-2.24e-03	-1.69e-03	0.0	9.86e-06
53	177	0.64	-0.16	-3.97e-03	3.24e-04	0.0	1.94e-05
53	203	-0.07	0.86	-2.25e-03	-1.71e-03	0.0	9.15e-06

53	209	0.75	-0.18	-4.24e-03	3.66e-04	0.0	2.29e-05
53	235	-0.08	1.02	-2.23e-03	-2.03e-03	0.0	1.07e-05
53	261	-0.03	-8.24e-03	-2.25e-03	1.65e-05	0.0	1.15e-06
53	275	-7.49e-04	0.47	-2.30e-03	-8.94e-04	0.0	1.43e-05
53	280	4.49e-04	-0.14	-2.48e-03	2.64e-04	0.0	-4.56e-06
53	298	9.07e-05	1.20e-03	-2.41e-03	-2.36e-06	0.0	0.0
53	304	-5.71e-03	-1.57e-03	-2.32e-03	3.17e-06	0.0	0.0
53	307	-1.02e-04	0.09	-2.38e-03	-1.80e-04	0.0	2.71e-06
53	309	-8.11e-05	9.44e-05	-2.34e-03	0.0	0.0	0.0
53	310	6.62e-05	1.04e-03	-2.40e-03	-2.05e-06	0.0	0.0
54	1	0.0	0.0	0.0	-7.90e-06	0.0	0.0
54	113	0.0	0.0	0.0	3.13e-04	0.0	2.15e-06
54	145	0.0	0.0	0.0	3.49e-04	0.0	2.42e-06
54	177	0.0	0.0	0.0	3.24e-04	0.0	2.38e-06
54	209	0.0	0.0	0.0	3.66e-04	0.0	2.82e-06
54	241	0.0	0.0	0.0	-5.18e-06	0.0	0.0
54	297	0.0	0.0	0.0	0.0	0.0	0.0
54	309	0.0	0.0	0.0	0.0	0.0	0.0
55	4	0.02	0.01	-4.83e-03	-1.20e-05	0.0	-1.45e-06
55	41	-0.08	-0.02	-4.23e-03	2.46e-05	0.0	3.36e-06
55	67	-1.93e-03	1.35	-4.41e-03	-1.27e-03	0.0	4.09e-05
55	113	1.15	-0.31	-6.39e-03	3.12e-04	0.0	3.75e-05
55	116	-1.15	0.32	-6.63e-04	-3.16e-04	0.0	-3.79e-05
55	139	-0.13	1.49	-3.20e-03	-1.49e-03	0.0	1.84e-05
55	145	1.29	-0.35	-6.74e-03	3.48e-04	0.0	4.22e-05
55	148	-1.29	0.35	-3.08e-04	-3.52e-04	0.0	-4.26e-05
55	171	-0.15	1.69	-3.17e-03	-1.68e-03	0.0	2.05e-05
55	177	1.28	-0.32	-6.71e-03	3.23e-04	0.0	4.16e-05
55	180	-1.28	0.33	-3.40e-04	-3.27e-04	0.0	-4.20e-05
55	203	-0.14	1.71	-3.19e-03	-1.71e-03	0.0	1.93e-05
55	209	1.50	-0.37	-7.26e-03	3.65e-04	0.0	4.92e-05
55	212	-1.50	0.37	2.04e-04	-3.69e-04	0.0	-4.96e-05
55	235	-0.16	2.03	-3.14e-03	-2.03e-03	0.0	2.27e-05
55	244	0.02	7.98e-03	-3.66e-03	-7.89e-06	0.0	0.0
55	261	-0.06	-0.02	-3.25e-03	1.65e-05	0.0	2.25e-06
55	275	-1.42e-03	0.90	-3.37e-03	-8.46e-04	0.0	2.73e-05
55	303	5.07e-03	3.71e-03	-3.54e-03	-3.65e-06	0.0	0.0
55	304	-0.01	-3.17e-03	-3.40e-03	3.21e-06	0.0	0.0
55	307	-6.50e-04	0.18	-3.49e-03	-1.71e-04	0.0	5.30e-06
55	309	-6.02e-04	1.60e-04	-3.44e-03	0.0	0.0	0.0
55	310	-4.51e-04	2.05e-03	-3.53e-03	-1.99e-06	0.0	0.0
56	4	0.03	0.02	-5.51e-03	-1.19e-05	0.0	-1.61e-06
56	41	-0.12	-0.04	-4.76e-03	2.46e-05	0.0	4.78e-06
56	67	-2.70e-03	1.97	-4.99e-03	-1.26e-03	0.0	5.41e-05
56	116	-1.60	0.47	-1.24e-03	-3.16e-04	0.0	-5.41e-05
56	118	1.37	-1.44	-7.15e-03	9.57e-04	0.0	2.33e-05
56	139	-0.18	2.24	-2.43e-03	-1.49e-03	0.0	2.58e-05
56	148	-1.80	0.53	-9.06e-04	-3.51e-04	0.0	-6.08e-05
56	150	1.54	-1.62	-7.53e-03	1.08e-03	0.0	2.61e-05
56	171	-0.20	2.53	-2.24e-03	-1.68e-03	0.0	2.89e-05
56	180	-1.78	0.49	-9.56e-04	-3.27e-04	0.0	-6.01e-05
56	182	1.52	-1.61	-7.48e-03	1.07e-03	0.0	2.56e-05
56	203	-0.19	2.57	-2.26e-03	-1.71e-03	0.0	2.76e-05
56	212	-2.08	0.55	-4.51e-04	-3.69e-04	0.0	-7.11e-05
56	214	1.77	-1.89	-8.05e-03	1.26e-03	0.0	2.99e-05
56	235	-0.22	3.05	-1.97e-03	-2.03e-03	0.0	3.24e-05
56	244	0.02	0.01	-4.17e-03	-7.86e-06	0.0	-1.05e-06
56	261	-0.08	-0.02	-3.66e-03	1.65e-05	0.0	3.21e-06
56	275	-2.01e-03	1.32	-3.82e-03	-8.42e-04	0.0	3.61e-05
56	303	6.30e-03	5.52e-03	-4.03e-03	-3.63e-06	0.0	0.0
56	304	-0.02	-4.78e-03	-3.85e-03	3.22e-06	0.0	0.0
56	307	-1.50e-03	0.27	-3.96e-03	-1.70e-04	0.0	7.17e-06
56	309	-1.41e-03	2.10e-04	-3.89e-03	0.0	0.0	0.0
56	310	-1.37e-03	3.03e-03	-4.00e-03	-1.97e-06	0.0	0.0
57	44	-0.04	-0.01	-8.12e-03	2.03e-05	0.0	1.63e-06
57	45	-0.04	-0.01	-6.11e-03	2.34e-05	0.0	1.79e-06
57	67	-9.88e-04	0.72	-5.91e-03	-1.34e-03	0.0	3.06e-05
57	113	0.58	-0.15	5.36e-03	3.01e-04	0.0	1.76e-05
57	116	-0.58	0.15	-0.01	-3.05e-04	0.0	-1.79e-05
57	139	-0.07	0.75	-4.76e-03	-1.50e-03	0.0	1.10e-05
57	145	0.65	-0.17	6.62e-03	3.35e-04	0.0	1.98e-05
57	148	-0.65	0.17	-0.02	-3.39e-04	0.0	-2.01e-05
57	171	-0.08	0.85	-4.73e-03	-1.69e-03	0.0	1.23e-05
57	177	0.64	-0.16	6.54e-03	3.11e-04	0.0	1.95e-05
57	180	-0.64	0.16	-0.02	-3.15e-04	0.0	-1.98e-05

57	203	-0.07	0.86	-4.60e-03	-1.72e-03	0.0	1.15e-05
57	209	0.75	-0.18	8.50e-03	3.50e-04	0.0	2.31e-05
57	212	-0.75	0.18	-0.02	-3.54e-04	0.0	-2.34e-05
57	235	-0.08	1.02	-4.50e-03	-2.04e-03	0.0	1.36e-05
57	261	-0.03	-7.73e-03	-5.63e-03	1.55e-05	0.0	1.15e-06
57	264	-0.03	-6.80e-03	-5.96e-03	1.36e-05	0.0	1.09e-06
57	275	-7.13e-04	0.48	-4.49e-03	-8.96e-04	0.0	2.04e-05
57	304	-5.77e-03	-1.50e-03	-4.74e-03	3.00e-06	0.0	0.0
57	305	-5.65e-03	-5.70e-04	-4.98e-03	1.14e-06	0.0	0.0
57	307	-1.43e-04	0.10	-4.70e-03	-1.81e-04	0.0	3.96e-06
57	309	-1.19e-04	5.34e-05	-4.52e-03	0.0	0.0	0.0
57	310	4.71e-06	9.86e-04	-4.76e-03	-1.98e-06	0.0	0.0
58	1	0.0	0.0	0.0	-7.29e-06	0.0	0.0
58	113	0.0	0.0	0.0	3.02e-04	0.0	2.12e-06
58	145	0.0	0.0	0.0	3.36e-04	0.0	2.39e-06
58	177	0.0	0.0	0.0	3.12e-04	0.0	2.35e-06
58	209	0.0	0.0	0.0	3.52e-04	0.0	2.78e-06
58	241	0.0	0.0	0.0	-4.78e-06	0.0	0.0
58	297	0.0	0.0	0.0	0.0	0.0	0.0
58	309	0.0	0.0	0.0	0.0	0.0	0.0
59	41	-0.08	-0.02	-0.01	2.31e-05	0.0	3.37e-06
59	44	-0.08	-0.02	-0.01	2.03e-05	0.0	3.26e-06
59	67	-1.70e-03	1.36	-8.15e-03	-1.24e-03	0.0	2.31e-05
59	116	-1.15	0.31	-0.02	-3.03e-04	0.0	-3.78e-05
59	139	-0.13	1.50	-6.59e-03	-1.49e-03	0.0	1.73e-05
59	148	-1.29	0.34	-0.02	-3.37e-04	0.0	-4.25e-05
59	171	-0.15	1.69	-6.56e-03	-1.68e-03	0.0	1.94e-05
59	180	-1.28	0.32	-0.02	-3.13e-04	0.0	-4.19e-05
59	203	-0.14	1.72	-6.37e-03	-1.71e-03	0.0	1.83e-05
59	212	-1.50	0.35	-0.03	-3.52e-04	0.0	-4.95e-05
59	235	-0.16	2.04	-6.23e-03	-2.03e-03	0.0	2.16e-05
59	261	-0.06	-0.02	-7.80e-03	1.55e-05	0.0	2.25e-06
59	264	-0.06	-0.01	-8.26e-03	1.36e-05	0.0	2.18e-06
59	275	-1.24e-03	0.91	-6.19e-03	-8.27e-04	0.0	1.54e-05
59	304	-0.01	-3.00e-03	-6.55e-03	3.00e-06	0.0	0.0
59	305	-0.01	-1.13e-03	-6.89e-03	1.13e-06	0.0	0.0
59	307	-5.45e-04	0.18	-6.49e-03	-1.67e-04	0.0	2.95e-06
59	309	-5.03e-04	1.10e-04	-6.24e-03	0.0	0.0	0.0
59	310	-3.64e-04	1.98e-03	-6.57e-03	-1.99e-06	0.0	0.0
60	44	-0.11	-0.03	-0.01	2.03e-05	0.0	4.71e-06
60	45	-0.12	-0.04	-0.01	2.34e-05	0.0	4.89e-06
60	67	-1.12e-03	1.95	-9.56e-03	-1.22e-03	0.0	-7.77e-05
60	116	-1.59	0.46	-0.01	-3.02e-04	0.0	-5.56e-05
60	139	-0.18	2.24	-7.72e-03	-1.49e-03	0.0	-3.61e-05
60	148	-1.79	0.51	-0.01	-3.36e-04	0.0	-6.24e-05
60	171	-0.20	2.53	-7.71e-03	-1.68e-03	0.0	-4.04e-05
60	180	-1.77	0.47	-0.01	-3.12e-04	0.0	-6.15e-05
60	203	-0.19	2.57	-7.66e-03	-1.71e-03	0.0	-3.85e-05
60	212	-2.08	0.53	-0.01	-3.51e-04	0.0	-7.25e-05
60	235	-0.22	3.05	-7.62e-03	-2.02e-03	0.0	-4.48e-05
60	261	-0.08	-0.02	-9.58e-03	1.55e-05	0.0	3.21e-06
60	264	-0.08	-0.02	-0.01	1.36e-05	0.0	3.16e-06
60	275	-8.19e-04	1.30	-7.26e-03	-8.10e-04	0.0	-5.18e-05
60	304	-0.02	-4.50e-03	-7.77e-03	3.00e-06	0.0	0.0
60	305	-0.02	-1.70e-03	-8.20e-03	1.13e-06	0.0	0.0
60	307	-2.67e-04	0.26	-7.63e-03	-1.64e-04	0.0	-1.04e-05
60	309	-2.34e-04	1.68e-04	-7.32e-03	0.0	0.0	0.0
60	310	-1.24e-04	2.97e-03	-7.74e-03	-1.99e-06	0.0	0.0
61	44	-0.43	-0.07	-0.12	2.85e-05	0.0	1.40e-05
61	71	-5.87e-03	1.12	-0.07	1.22e-03	0.0	3.23e-05
61	76	-0.02	-0.33	-0.14	-3.63e-04	0.0	-3.69e-06
61	116	-4.93	0.91	0.04	-2.69e-04	0.0	-1.19e-04
61	118	4.20	-2.68	-0.26	8.08e-04	0.0	6.25e-05
61	139	-0.53	4.10	0.05	-1.21e-03	0.0	4.47e-05
61	148	-5.54	1.02	0.06	-2.99e-04	0.0	-1.35e-04
61	150	4.72	-3.02	-0.29	9.08e-04	0.0	6.98e-05
61	171	-0.59	4.63	0.07	-1.37e-03	0.0	5.02e-05
61	180	-5.48	0.95	0.05	-2.79e-04	0.0	-1.34e-04
61	182	4.64	-3.00	-0.28	9.03e-04	0.0	6.80e-05
61	203	-0.55	4.71	0.07	-1.40e-03	0.0	5.05e-05
61	212	-6.42	1.07	0.08	-3.15e-04	0.0	-1.59e-04
61	214	5.42	-3.52	-0.31	1.06e-03	0.0	7.91e-05
61	235	-0.63	5.59	0.09	-1.66e-03	0.0	5.94e-05
61	264	-0.28	-0.05	-0.09	1.93e-05	0.0	9.47e-06
61	275	-6.62e-03	0.75	-0.08	8.16e-04	0.0	2.22e-05

61	280	-0.01	-0.22	-0.10	-2.42e-04	0.0	-2.30e-06
61	298	-9.84e-03	2.18e-03	-0.09	2.13e-06	0.0	2.91e-06
61	305	-0.06	-8.67e-03	-0.09	5.54e-06	0.0	4.04e-06
61	307	-8.80e-03	0.15	-0.09	1.65e-04	0.0	6.63e-06
61	309	-7.06e-03	-2.71e-03	-0.08	2.80e-06	0.0	1.91e-06
61	310	-9.45e-03	1.48e-03	-0.09	2.23e-06	0.0	2.76e-06
62	44	-0.40	-0.06	-0.11	2.85e-05	0.0	1.20e-05
62	67	-0.01	1.66	-0.10	1.22e-03	0.0	1.15e-04
62	76	-0.02	-0.49	-0.13	-3.62e-04	0.0	-2.98e-05
62	116	-4.50	0.79	0.04	-2.69e-04	0.0	-1.01e-04
62	118	3.83	-2.32	-0.26	8.09e-04	0.0	4.56e-05
62	139	-0.49	3.56	0.05	-1.22e-03	0.0	5.29e-05
62	148	-5.06	0.88	0.06	-3.00e-04	0.0	-1.14e-04
62	150	4.31	-2.61	-0.28	9.10e-04	0.0	5.09e-05
62	171	-0.55	4.02	0.07	-1.38e-03	0.0	5.94e-05
62	180	-5.01	0.82	0.05	-2.80e-04	0.0	-1.14e-04
62	182	4.24	-2.59	-0.28	9.04e-04	0.0	4.97e-05
62	203	-0.52	4.09	0.07	-1.40e-03	0.0	5.96e-05
62	212	-5.86	0.93	0.08	-3.16e-04	0.0	-1.36e-04
62	214	4.95	-3.04	-0.31	1.06e-03	0.0	5.78e-05
62	235	-0.58	4.85	0.10	-1.66e-03	0.0	7.02e-05
62	264	-0.27	-0.04	-0.09	1.93e-05	0.0	8.13e-06
62	275	-0.01	1.11	-0.07	8.14e-04	0.0	7.66e-05
62	280	-0.01	-0.33	-0.10	-2.41e-04	0.0	-1.97e-05
62	298	-0.01	3.13e-03	-0.09	2.10e-06	0.0	2.18e-06
62	305	-0.06	-6.19e-03	-0.09	5.51e-06	0.0	3.24e-06
62	307	-0.01	0.22	-0.09	1.65e-04	0.0	1.70e-05
62	310	-0.01	2.47e-03	-0.09	2.20e-06	0.0	2.08e-06
63	44	-0.47	-0.09	-0.12	-1.40e-04	0.0	1.70e-05
63	71	-5.53e-03	0.55	-0.07	-1.65e-03	0.0	1.34e-05
63	76	-0.02	-0.16	-0.14	2.80e-04	0.0	4.47e-06
63	116	-5.43	1.03	0.04	-4.90e-04	0.0	-1.42e-04
63	118	4.63	-3.04	-0.27	1.01e-03	0.0	7.84e-05
63	139	-0.58	4.64	0.05	-1.79e-03	0.0	4.76e-05
63	148	-6.10	1.15	0.05	-5.35e-04	0.0	-1.60e-04
63	150	5.20	-3.42	-0.29	1.15e-03	0.0	8.74e-05
63	171	-0.64	5.24	0.07	-2.01e-03	0.0	5.34e-05
63	180	-6.04	1.07	0.05	-5.06e-04	0.0	-1.59e-04
63	182	5.12	-3.40	-0.28	1.14e-03	0.0	8.53e-05
63	203	-0.60	5.34	0.07	-2.04e-03	0.0	5.39e-05
63	212	-7.08	1.21	0.07	-5.61e-04	0.0	-1.89e-04
63	214	5.97	-3.99	-0.32	1.36e-03	0.0	9.91e-05
63	235	-0.68	6.33	0.09	-2.40e-03	0.0	6.31e-05
63	264	-0.31	-0.06	-0.09	-9.79e-05	0.0	1.16e-05
63	275	-6.84e-03	0.37	-0.08	-1.13e-03	0.0	9.96e-06
63	280	-0.01	-0.11	-0.10	1.82e-04	0.0	3.20e-06
63	298	-0.01	1.17e-03	-0.09	-1.01e-04	0.0	4.12e-06
63	305	-0.07	-0.01	-0.09	-9.36e-05	0.0	5.37e-06
63	307	-9.99e-03	0.07	-0.09	-3.00e-04	0.0	5.09e-06
63	309	-7.87e-03	-4.01e-03	-0.09	-6.07e-05	0.0	2.72e-06
63	310	-0.01	4.27e-04	-0.09	-9.56e-05	0.0	3.92e-06
64	44	-0.43	-0.07	-0.14	2.57e-05	0.0	1.41e-05
64	71	-5.98e-03	1.14	-0.08	1.27e-03	0.0	1.86e-05
64	76	-0.02	-0.33	-0.15	-3.80e-04	0.0	0.0
64	116	-4.92	0.87	-0.06	-2.52e-04	0.0	-1.20e-04
64	138	0.51	-4.11	-0.21	1.22e-03	0.0	-3.61e-05
64	139	-0.53	4.12	0.01	-1.21e-03	0.0	4.18e-05
64	148	-5.53	0.97	-0.06	-2.81e-04	0.0	-1.36e-04
64	170	0.57	-4.65	-0.22	1.37e-03	0.0	-4.12e-05
64	171	-0.59	4.65	0.03	-1.37e-03	0.0	4.68e-05
64	180	-5.48	0.90	-0.06	-2.61e-04	0.0	-1.35e-04
64	202	0.53	-4.73	-0.22	1.40e-03	0.0	-4.14e-05
64	203	-0.55	4.73	0.03	-1.40e-03	0.0	4.71e-05
64	212	-6.41	1.02	-0.05	-2.93e-04	0.0	-1.60e-04
64	234	0.61	-5.61	-0.25	1.66e-03	0.0	-4.96e-05
64	235	-0.63	5.61	0.05	-1.65e-03	0.0	5.52e-05
64	264	-0.29	-0.05	-0.10	1.73e-05	0.0	9.55e-06
64	275	-6.71e-03	0.76	-0.08	8.47e-04	0.0	1.31e-05
64	280	-0.01	-0.22	-0.11	-2.53e-04	0.0	0.0
64	298	-9.95e-03	3.52e-03	-0.10	0.0	0.0	2.98e-06
64	305	-0.06	-6.81e-03	-0.10	4.28e-06	0.0	4.11e-06
64	307	-8.89e-03	0.15	-0.09	1.70e-04	0.0	4.86e-06
64	310	-9.54e-03	2.76e-03	-0.10	1.11e-06	0.0	2.83e-06
65	44	-0.40	-0.06	-0.14	2.57e-05	0.0	1.19e-05
65	67	-0.01	1.71	-0.11	1.28e-03	0.0	3.25e-05

65	76	-0.02	-0.50	-0.14	-3.82e-04	0.0	-5.22e-06
65	116	-4.54	0.76	-0.06	-2.52e-04	0.0	-1.04e-04
65	138	0.48	-3.57	-0.20	1.22e-03	0.0	-3.55e-05
65	139	-0.50	3.58	0.01	-1.21e-03	0.0	3.96e-05
65	148	-5.10	0.84	-0.06	-2.81e-04	0.0	-1.17e-04
65	170	0.53	-4.03	-0.22	1.37e-03	0.0	-4.03e-05
65	171	-0.55	4.04	0.03	-1.37e-03	0.0	4.44e-05
65	180	-5.05	0.79	-0.06	-2.61e-04	0.0	-1.17e-04
65	202	0.50	-4.11	-0.22	1.40e-03	0.0	-4.03e-05
65	203	-0.52	4.11	0.03	-1.40e-03	0.0	4.43e-05
65	212	-5.91	0.89	-0.05	-2.94e-04	0.0	-1.39e-04
65	234	0.57	-4.87	-0.24	1.66e-03	0.0	-4.80e-05
65	235	-0.59	4.87	0.05	-1.66e-03	0.0	5.21e-05
65	264	-0.27	-0.04	-0.10	1.73e-05	0.0	8.08e-06
65	275	-8.23e-03	1.14	-0.08	8.52e-04	0.0	2.18e-05
65	280	-0.01	-0.34	-0.11	-2.54e-04	0.0	-3.35e-06
65	298	-0.01	3.96e-03	-0.10	0.0	0.0	2.13e-06
65	305	-0.06	-4.89e-03	-0.10	4.28e-06	0.0	3.19e-06
65	307	-9.59e-03	0.23	-0.09	1.71e-04	0.0	5.97e-06
65	310	-0.01	3.26e-03	-0.10	1.11e-06	0.0	2.03e-06
66	44	-0.47	-0.08	-0.14	-1.40e-04	0.0	1.71e-05
66	71	-5.57e-03	0.56	-0.08	-1.67e-03	0.0	1.17e-05
66	76	-0.02	-0.16	-0.15	2.86e-04	0.0	4.97e-06
66	116	-5.43	0.99	-0.06	-4.76e-04	0.0	-1.42e-04
66	138	0.56	-4.65	-0.21	1.61e-03	0.0	-4.02e-05
66	139	-0.58	4.66	9.36e-03	-1.80e-03	0.0	4.81e-05
66	148	-6.10	1.10	-0.06	-5.19e-04	0.0	-1.60e-04
66	170	0.62	-5.26	-0.22	1.84e-03	0.0	-4.60e-05
66	171	-0.64	5.26	0.02	-2.03e-03	0.0	5.39e-05
66	180	-6.04	1.02	-0.06	-4.91e-04	0.0	-1.59e-04
66	202	0.58	-5.35	-0.22	1.87e-03	0.0	-4.66e-05
66	203	-0.60	5.36	0.03	-2.06e-03	0.0	5.44e-05
66	212	-7.08	1.15	-0.06	-5.43e-04	0.0	-1.89e-04
66	234	0.66	-6.35	-0.25	2.23e-03	0.0	-5.59e-05
66	235	-0.68	6.35	0.05	-2.42e-03	0.0	6.38e-05
66	264	-0.31	-0.05	-0.10	-9.77e-05	0.0	1.16e-05
66	275	-6.88e-03	0.37	-0.09	-1.14e-03	0.0	8.86e-06
66	280	-0.01	-0.11	-0.11	1.86e-04	0.0	3.54e-06
66	298	-0.01	3.09e-03	-0.10	-1.01e-04	0.0	4.12e-06
66	305	-0.07	-8.74e-03	-0.10	-9.31e-05	0.0	5.37e-06
66	307	-0.01	0.08	-0.10	-3.02e-04	0.0	4.86e-06
66	309	-7.88e-03	-2.73e-03	-0.09	-6.03e-05	0.0	2.71e-06
66	310	-0.01	2.26e-03	-0.10	-9.50e-05	0.0	3.92e-06
67	28	-0.26	-0.03	-0.14	1.27e-05	0.0	1.10e-05
67	44	-0.43	-0.06	-0.14	2.27e-05	0.0	1.41e-05
67	67	-9.18e-03	1.14	-0.11	1.25e-03	0.0	4.32e-06
67	116	-4.92	0.83	-0.17	-2.39e-04	0.0	-1.21e-04
67	139	-0.53	4.13	-0.02	-1.22e-03	0.0	3.89e-05
67	144	-1.94	-3.72	-0.20	1.11e-03	0.0	-4.58e-05
67	148	-5.53	0.93	-0.18	-2.66e-04	0.0	-1.37e-04
67	171	-0.59	4.67	-0.01	-1.38e-03	0.0	4.36e-05
67	176	-2.19	-4.21	-0.22	1.25e-03	0.0	-5.20e-05
67	180	-5.48	0.86	-0.19	-2.46e-04	0.0	-1.36e-04
67	203	-0.55	4.75	-7.48e-03	-1.41e-03	0.0	4.37e-05
67	208	-2.18	-4.31	-0.22	1.28e-03	0.0	-5.17e-05
67	212	-6.42	0.97	-0.20	-2.76e-04	0.0	-1.61e-04
67	235	-0.63	5.64	8.95e-03	-1.67e-03	0.0	5.11e-05
67	240	-2.56	-5.12	-0.24	1.52e-03	0.0	-6.17e-05
67	256	-0.18	-0.02	-0.10	8.64e-06	0.0	7.47e-06
67	264	-0.29	-0.04	-0.10	1.53e-05	0.0	9.59e-06
67	275	-6.67e-03	0.76	-0.08	8.34e-04	0.0	3.05e-06
67	305	-0.06	-4.94e-03	-0.09	2.98e-06	0.0	4.15e-06
67	307	-8.86e-03	0.15	-0.09	1.67e-04	0.0	2.87e-06
67	310	-9.51e-03	4.06e-03	-0.09	0.0	0.0	2.86e-06
68	28	-0.24	-0.02	-0.14	1.27e-05	0.0	8.82e-06
68	44	-0.40	-0.05	-0.14	2.27e-05	0.0	1.19e-05
68	67	-8.23e-03	1.69	-0.11	1.25e-03	0.0	-4.80e-05
68	116	-4.54	0.73	-0.16	-2.40e-04	0.0	-1.07e-04
68	139	-0.49	3.59	-0.02	-1.23e-03	0.0	2.81e-05
68	144	-1.79	-3.23	-0.20	1.11e-03	0.0	-3.47e-05
68	148	-5.10	0.81	-0.17	-2.67e-04	0.0	-1.21e-04
68	171	-0.55	4.05	-5.55e-03	-1.39e-03	0.0	3.15e-05
68	176	-2.01	-3.66	-0.21	1.25e-03	0.0	-3.93e-05
68	180	-5.05	0.75	-0.17	-2.47e-04	0.0	-1.20e-04
68	203	-0.52	4.12	-2.70e-03	-1.41e-03	0.0	3.08e-05

68	208	-2.01	-3.74	-0.22	1.28e-03	0.0	-3.82e-05
68	212	-5.92	0.84	-0.19	-2.77e-04	0.0	-1.42e-04
68	235	-0.58	4.89	0.01	-1.67e-03	0.0	3.58e-05
68	240	-2.35	-4.44	-0.24	1.52e-03	0.0	-4.53e-05
68	256	-0.16	-0.02	-0.10	8.63e-06	0.0	6.01e-06
68	264	-0.27	-0.03	-0.10	1.53e-05	0.0	8.03e-06
68	275	-5.93e-03	1.13	-0.08	8.33e-04	0.0	-3.19e-05
68	305	-0.06	-3.61e-03	-0.09	2.98e-06	0.0	3.16e-06
68	307	-7.18e-03	0.23	-0.09	1.67e-04	0.0	-4.80e-06
68	310	-7.59e-03	4.03e-03	-0.09	0.0	0.0	1.99e-06
69	28	-0.29	-0.04	-0.14	-1.71e-04	0.0	1.37e-05
69	44	-0.47	-0.07	-0.14	-1.39e-04	0.0	1.71e-05
69	67	-9.64e-03	0.56	-0.11	-1.72e-03	0.0	1.11e-05
69	116	-5.43	0.94	-0.18	-4.65e-04	0.0	-1.41e-04
69	139	-0.58	4.68	-0.02	-1.83e-03	0.0	4.84e-05
69	144	-2.15	-4.21	-0.21	1.47e-03	0.0	-5.64e-05
69	148	-6.11	1.05	-0.19	-5.07e-04	0.0	-1.60e-04
69	171	-0.64	5.28	-0.01	-2.06e-03	0.0	5.43e-05
69	176	-2.42	-4.77	-0.22	1.67e-03	0.0	-6.42e-05
69	180	-6.05	0.97	-0.19	-4.78e-04	0.0	-1.59e-04
69	203	-0.60	5.38	-8.46e-03	-2.09e-03	0.0	5.48e-05
69	208	-2.42	-4.88	-0.22	1.71e-03	0.0	-6.44e-05
69	212	-7.08	1.09	-0.20	-5.28e-04	0.0	-1.89e-04
69	235	-0.68	6.38	8.31e-03	-2.46e-03	0.0	6.43e-05
69	240	-2.83	-5.80	-0.25	2.05e-03	0.0	-7.71e-05
69	256	-0.19	-0.02	-0.11	-1.18e-04	0.0	9.33e-06
69	264	-0.31	-0.05	-0.10	-9.73e-05	0.0	1.16e-05
69	275	-6.94e-03	0.37	-0.08	-1.15e-03	0.0	7.65e-06
69	305	-0.07	-6.27e-03	-0.10	-9.26e-05	0.0	5.37e-06
69	307	-0.01	0.08	-0.09	-3.05e-04	0.0	4.63e-06
69	310	-0.01	4.09e-03	-0.10	-9.44e-05	0.0	3.92e-06
70	1	0.0	0.0	0.0	-4.10e-06	0.0	0.0
70	113	0.0	0.0	0.0	1.63e-04	0.0	3.28e-06
70	145	0.0	0.0	0.0	1.80e-04	0.0	3.66e-06
70	177	0.0	0.0	0.0	1.60e-04	0.0	3.65e-06
70	209	0.0	0.0	0.0	1.75e-04	0.0	4.27e-06
70	241	0.0	0.0	0.0	-2.80e-06	0.0	0.0
70	297	0.0	0.0	0.0	0.0	0.0	0.0
70	309	0.0	0.0	0.0	0.0	0.0	0.0
71	45	-0.05	-4.97e-03	-0.01	9.64e-06	0.0	1.87e-06
71	71	1.44e-03	0.10	-0.01	-2.12e-04	0.0	-1.71e-05
71	76	2.66e-03	-0.03	-0.04	5.85e-05	0.0	7.74e-06
71	113	0.61	-0.08	0.01	1.63e-04	0.0	2.61e-05
71	139	-0.07	0.69	0.04	-1.40e-03	0.0	-1.87e-05
71	140	-0.26	-0.56	-0.09	1.12e-03	0.0	1.11e-05
71	145	0.69	-0.09	0.02	1.80e-04	0.0	2.92e-05
71	171	-0.08	0.78	0.05	-1.58e-03	0.0	-2.11e-05
71	172	-0.29	-0.63	-0.10	1.27e-03	0.0	1.24e-05
71	177	0.68	-0.08	0.02	1.60e-04	0.0	2.91e-05
71	203	-0.07	0.80	0.05	-1.61e-03	0.0	-2.08e-05
71	204	-0.29	-0.65	-0.10	1.31e-03	0.0	1.23e-05
71	209	0.79	-0.09	0.03	1.75e-04	0.0	3.42e-05
71	235	-0.08	0.94	0.06	-1.91e-03	0.0	-2.47e-05
71	236	-0.34	-0.77	-0.12	1.56e-03	0.0	1.43e-05
71	261	-0.03	-3.30e-03	-0.02	6.05e-06	0.0	1.50e-06
71	275	1.44e-03	0.06	-0.01	-1.42e-04	0.0	-1.11e-05
71	280	1.91e-03	-0.02	-0.03	3.89e-05	0.0	5.20e-06
71	298	1.62e-03	3.61e-04	-0.02	-2.50e-06	0.0	1.19e-06
71	304	-5.45e-03	-5.80e-04	-0.01	0.0	0.0	0.0
71	307	1.54e-03	0.01	-0.02	-3.02e-05	0.0	-1.36e-06
71	310	1.58e-03	3.23e-04	-0.02	-2.28e-06	0.0	1.11e-06
72	28	-0.03	-2.98e-03	-0.02	3.69e-06	0.0	1.39e-06
72	45	-0.05	-5.71e-03	-0.01	1.11e-05	0.0	1.65e-06
72	71	1.14e-03	0.17	-9.70e-03	-2.90e-04	0.0	-1.45e-04
72	113	0.60	-0.09	0.01	1.80e-04	0.0	1.40e-05
72	139	-0.07	0.69	0.01	-1.40e-03	0.0	-2.03e-05
72	144	-0.23	-0.63	-0.05	1.27e-03	0.0	1.67e-05
72	145	0.68	-0.10	0.02	1.99e-04	0.0	1.56e-05
72	171	-0.08	0.78	0.01	-1.58e-03	0.0	-2.27e-05
72	176	-0.26	-0.71	-0.05	1.43e-03	0.0	1.86e-05
72	177	0.67	-0.09	0.02	1.79e-04	0.0	1.50e-05
72	203	-0.07	0.80	0.01	-1.61e-03	0.0	-2.12e-05
72	208	-0.26	-0.73	-0.05	1.47e-03	0.0	1.73e-05
72	209	0.79	-0.10	0.02	1.96e-04	0.0	1.72e-05
72	235	-0.08	0.95	0.02	-1.91e-03	0.0	-2.47e-05

72	240	-0.30	-0.87	-0.06	1.75e-03	0.0	2.01e-05
72	256	-0.02	-1.97e-03	-0.01	2.40e-06	0.0	0.0
72	261	-0.03	-3.80e-03	-0.01	7.11e-06	0.0	1.17e-06
72	275	1.13e-03	0.11	-0.01	-1.93e-04	0.0	-9.66e-05
72	298	1.22e-03	3.70e-04	-0.01	-2.01e-06	0.0	0.0
72	304	-5.61e-03	-7.17e-04	-0.01	0.0	0.0	0.0
72	307	1.18e-03	0.02	-0.01	-4.01e-05	0.0	-1.91e-05
72	310	1.20e-03	3.25e-04	-0.01	-1.82e-06	0.0	0.0
73	1	0.0	0.0	0.0	-4.12e-06	0.0	0.0
73	113	0.0	0.0	0.0	1.80e-04	0.0	1.59e-06
73	145	0.0	0.0	0.0	2.00e-04	0.0	1.76e-06
73	177	0.0	0.0	0.0	1.79e-04	0.0	1.69e-06
73	209	0.0	0.0	0.0	1.97e-04	0.0	1.93e-06
73	241	0.0	0.0	0.0	-2.79e-06	0.0	0.0
73	297	0.0	0.0	0.0	0.0	0.0	0.0
73	309	0.0	0.0	0.0	0.0	0.0	0.0
74	45	-0.10	-0.01	-0.03	9.21e-06	0.0	3.66e-06
74	67	3.49e-03	0.19	-0.03	-1.99e-04	0.0	-2.83e-05
74	76	4.52e-03	-0.05	-0.06	5.08e-05	0.0	1.37e-05
74	113	1.24	-0.16	0.03	1.62e-04	0.0	5.30e-05
74	139	-0.14	1.39	0.08	-1.41e-03	0.0	-3.76e-05
74	140	-0.53	-1.12	-0.16	1.13e-03	0.0	2.19e-05
74	145	1.39	-0.18	0.04	1.79e-04	0.0	5.94e-05
74	171	-0.15	1.57	0.09	-1.60e-03	0.0	-4.26e-05
74	172	-0.60	-1.27	-0.18	1.29e-03	0.0	2.44e-05
74	177	1.38	-0.16	0.04	1.59e-04	0.0	5.92e-05
74	203	-0.15	1.61	0.09	-1.63e-03	0.0	-4.20e-05
74	204	-0.59	-1.31	-0.18	1.32e-03	0.0	2.43e-05
74	209	1.61	-0.18	0.05	1.74e-04	0.0	6.97e-05
74	235	-0.17	1.91	0.12	-1.93e-03	0.0	-4.99e-05
74	236	-0.70	-1.56	-0.21	1.58e-03	0.0	2.84e-05
74	261	-0.07	-6.52e-03	-0.03	5.45e-06	0.0	2.92e-06
74	275	2.58e-03	0.13	-0.02	-1.33e-04	0.0	-1.88e-05
74	280	3.26e-03	-0.04	-0.04	3.37e-05	0.0	9.21e-06
74	298	2.79e-03	1.46e-03	-0.03	-4.04e-06	0.0	2.29e-06
74	304	-0.01	-9.64e-04	-0.03	0.0	0.0	1.55e-06
74	307	2.68e-03	0.03	-0.03	-2.94e-05	0.0	-2.08e-06
74	310	2.73e-03	1.31e-03	-0.03	-3.71e-06	0.0	2.14e-06
75	28	-0.06	-4.88e-03	-0.04	1.20e-06	0.0	3.31e-06
75	45	-0.10	-0.01	-0.02	1.07e-05	0.0	3.22e-06
75	67	2.94e-03	0.32	-0.03	-2.46e-04	0.0	-2.52e-04
75	113	1.21	-0.18	0.03	1.78e-04	0.0	2.57e-05
75	139	-0.13	1.39	0.02	-1.41e-03	0.0	-3.74e-05
75	144	-0.46	-1.27	-0.09	1.28e-03	0.0	3.09e-05
75	145	1.36	-0.20	0.03	1.97e-04	0.0	2.86e-05
75	171	-0.15	1.58	0.03	-1.59e-03	0.0	-4.17e-05
75	176	-0.52	-1.43	-0.10	1.44e-03	0.0	3.44e-05
75	177	1.35	-0.18	0.03	1.76e-04	0.0	2.73e-05
75	203	-0.14	1.61	0.03	-1.62e-03	0.0	-3.87e-05
75	208	-0.52	-1.47	-0.10	1.48e-03	0.0	3.15e-05
75	209	1.58	-0.20	0.04	1.94e-04	0.0	3.12e-05
75	235	-0.16	1.91	0.04	-1.93e-03	0.0	-4.50e-05
75	240	-0.61	-1.74	-0.12	1.76e-03	0.0	3.64e-05
75	256	-0.04	-3.22e-03	-0.03	0.0	0.0	2.25e-06
75	261	-0.07	-7.38e-03	-0.02	6.58e-06	0.0	2.33e-06
75	275	2.18e-03	0.21	-0.02	-1.64e-04	0.0	-1.68e-04
75	298	2.33e-03	1.34e-03	-0.02	-3.39e-06	0.0	0.0
75	304	-0.01	-1.17e-03	-0.02	0.0	0.0	0.0
75	307	2.25e-03	0.04	-0.02	-3.53e-05	0.0	-3.29e-05
75	310	2.28e-03	1.20e-03	-0.02	-3.10e-06	0.0	0.0
76	45	-0.16	-0.01	-0.04	8.54e-06	0.0	5.46e-06
76	67	5.14e-03	0.28	-0.04	-1.82e-04	0.0	-3.09e-05
76	76	6.01e-03	-0.08	-0.08	4.10e-05	0.0	1.67e-05
76	113	1.98	-0.24	0.04	1.59e-04	0.0	7.74e-05
76	139	-0.22	2.10	0.10	-1.42e-03	0.0	-5.35e-05
76	140	-0.85	-1.69	-0.22	1.14e-03	0.0	3.04e-05
76	145	2.22	-0.27	0.05	1.77e-04	0.0	8.67e-05
76	171	-0.24	2.37	0.12	-1.61e-03	0.0	-6.06e-05
76	172	-0.96	-1.92	-0.25	1.29e-03	0.0	3.38e-05
76	177	2.20	-0.24	0.05	1.57e-04	0.0	8.65e-05
76	203	-0.23	2.42	0.13	-1.64e-03	0.0	-6.00e-05
76	204	-0.95	-1.97	-0.25	1.33e-03	0.0	3.38e-05
76	209	2.58	-0.26	0.07	1.71e-04	0.0	1.02e-04
76	235	-0.26	2.88	0.16	-1.95e-03	0.0	-7.13e-05
76	236	-1.12	-2.35	-0.29	1.59e-03	0.0	3.95e-05

76	261	-0.11	-9.08e-03	-0.04	4.58e-06	0.0	4.34e-06
76	275	3.81e-03	0.19	-0.03	-1.21e-04	0.0	-2.05e-05
76	280	4.39e-03	-0.05	-0.06	2.72e-05	0.0	1.12e-05
76	298	3.86e-03	3.90e-03	-0.05	-6.05e-06	0.0	3.27e-06
76	304	-0.02	-6.29e-04	-0.04	-1.26e-06	0.0	2.26e-06
76	307	3.77e-03	0.04	-0.04	-2.86e-05	0.0	-1.69e-06
76	310	3.78e-03	3.55e-03	-0.05	-5.57e-06	0.0	3.05e-06
77	28	-0.09	-4.86e-03	-0.06	-2.14e-06	0.0	6.13e-06
77	45	-0.16	-0.02	-0.03	1.02e-05	0.0	5.08e-06
77	67	5.31e-03	0.43	-0.04	-1.93e-04	0.0	-3.03e-04
77	113	1.89	-0.27	0.03	1.74e-04	0.0	3.54e-05
77	139	-0.21	2.10	0.04	-1.42e-03	0.0	-5.05e-05
77	144	-0.73	-1.91	-0.13	1.28e-03	0.0	4.26e-05
77	145	2.13	-0.30	0.04	1.93e-04	0.0	3.93e-05
77	171	-0.23	2.37	0.05	-1.60e-03	0.0	-5.66e-05
77	176	-0.82	-2.16	-0.15	1.45e-03	0.0	4.72e-05
77	177	2.11	-0.27	0.04	1.73e-04	0.0	3.74e-05
77	203	-0.22	2.42	0.05	-1.64e-03	0.0	-5.26e-05
77	208	-0.82	-2.21	-0.15	1.49e-03	0.0	4.36e-05
77	209	2.47	-0.29	0.05	1.90e-04	0.0	4.26e-05
77	235	-0.25	2.88	0.07	-1.94e-03	0.0	-6.14e-05
77	240	-0.96	-2.63	-0.17	1.77e-03	0.0	5.02e-05
77	256	-0.06	-3.15e-03	-0.04	-1.55e-06	0.0	4.16e-06
77	261	-0.10	-0.01	-0.03	5.87e-06	0.0	3.81e-06
77	275	3.94e-03	0.28	-0.03	-1.29e-04	0.0	-2.02e-04
77	298	4.07e-03	3.39e-03	-0.03	-5.27e-06	0.0	1.99e-06
77	304	-0.02	-1.11e-03	-0.03	0.0	0.0	1.61e-06
77	307	3.96e-03	0.06	-0.03	-2.95e-05	0.0	-3.89e-05
77	310	3.99e-03	3.08e-03	-0.03	-4.84e-06	0.0	1.86e-06
78	44	-0.05	-6.07e-03	-0.02	1.06e-05	0.0	1.55e-06
78	45	-0.05	-6.37e-03	-0.01	1.22e-05	0.0	1.56e-06
78	67	8.16e-04	0.26	-0.01	-3.87e-04	0.0	-1.94e-04
78	113	0.60	-0.10	0.05	1.94e-04	0.0	1.46e-05
78	116	-0.60	0.10	-0.07	-1.97e-04	0.0	-1.45e-05
78	139	-0.07	0.70	-6.65e-04	-1.40e-03	0.0	-2.32e-05
78	145	0.67	-0.11	0.06	2.15e-04	0.0	1.64e-05
78	148	-0.67	0.11	-0.08	-2.18e-04	0.0	-1.63e-05
78	171	-0.08	0.79	7.69e-04	-1.59e-03	0.0	-2.60e-05
78	177	0.67	-0.10	0.06	1.94e-04	0.0	1.58e-05
78	180	-0.67	0.10	-0.08	-1.97e-04	0.0	-1.57e-05
78	203	-0.07	0.81	1.87e-03	-1.62e-03	0.0	-2.45e-05
78	209	0.78	-0.11	0.07	2.14e-04	0.0	1.82e-05
78	212	-0.78	0.11	-0.09	-2.17e-04	0.0	-1.81e-05
78	235	-0.08	0.96	4.65e-03	-1.92e-03	0.0	-2.86e-05
78	261	-0.03	-4.23e-03	-0.01	7.89e-06	0.0	1.05e-06
78	264	-0.03	-4.04e-03	-0.02	7.00e-06	0.0	1.05e-06
78	275	6.18e-04	0.17	-9.30e-03	-2.58e-04	0.0	-1.29e-04
78	304	-5.69e-03	-7.98e-04	-9.70e-03	1.14e-06	0.0	0.0
78	305	-5.63e-03	-4.89e-04	-0.01	0.0	0.0	0.0
78	307	6.92e-04	0.03	-0.01	-5.28e-05	0.0	-2.58e-05
78	310	7.13e-04	3.68e-04	-0.01	-1.59e-06	0.0	0.0
79	1	0.0	0.0	0.0	-4.29e-06	0.0	0.0
79	113	0.0	0.0	0.0	1.95e-04	0.0	1.64e-06
79	145	0.0	0.0	0.0	2.16e-04	0.0	1.82e-06
79	177	0.0	0.0	0.0	1.95e-04	0.0	1.75e-06
79	209	0.0	0.0	0.0	2.15e-04	0.0	2.01e-06
79	241	0.0	0.0	0.0	-2.89e-06	0.0	0.0
79	297	0.0	0.0	0.0	0.0	0.0	0.0
79	309	0.0	0.0	0.0	0.0	0.0	0.0
80	44	-0.09	-0.01	-0.04	9.00e-06	0.0	3.71e-06
80	45	-0.09	-0.01	-0.03	1.19e-05	0.0	3.16e-06
80	67	1.91e-03	0.48	-0.02	-3.09e-04	0.0	-3.43e-04
80	113	1.19	-0.20	0.11	1.91e-04	0.0	2.78e-05
80	116	-1.19	0.20	-0.15	-1.96e-04	0.0	-2.68e-05
80	139	-0.13	1.40	-8.05e-04	-1.41e-03	0.0	-4.25e-05
80	145	1.34	-0.22	0.13	2.12e-04	0.0	3.11e-05
80	148	-1.33	0.22	-0.17	-2.17e-04	0.0	-3.00e-05
80	171	-0.15	1.59	1.97e-03	-1.59e-03	0.0	-4.75e-05
80	177	1.32	-0.20	0.13	1.91e-04	0.0	2.97e-05
80	180	-1.32	0.20	-0.17	-1.96e-04	0.0	-2.87e-05
80	203	-0.14	1.62	4.23e-03	-1.62e-03	0.0	-4.42e-05
80	209	1.55	-0.22	0.15	2.11e-04	0.0	3.42e-05
80	212	-1.54	0.22	-0.19	-2.16e-04	0.0	-3.31e-05
80	235	-0.16	1.92	9.67e-03	-1.93e-03	0.0	-5.15e-05
80	261	-0.06	-8.32e-03	-0.02	7.49e-06	0.0	2.22e-06

80	264	-0.06	-7.74e-03	-0.03	5.94e-06	0.0	2.50e-06
80	275	1.42e-03	0.32	-0.02	-2.06e-04	0.0	-2.29e-04
80	304	-0.01	-1.43e-03	-0.02	0.0	0.0	0.0
80	305	-0.01	-6.45e-04	-0.02	0.0	0.0	0.0
80	307	1.56e-03	0.06	-0.02	-4.33e-05	0.0	-4.54e-05
80	310	1.60e-03	1.08e-03	-0.02	-2.62e-06	0.0	0.0
81	44	-0.13	-0.02	-0.06	6.66e-06	0.0	7.27e-06
81	45	-0.14	-0.02	-0.04	1.15e-05	0.0	5.20e-06
81	67	5.67e-03	0.63	-0.04	-2.03e-04	0.0	-4.27e-04
81	113	1.78	-0.29	0.18	1.86e-04	0.0	3.85e-05
81	116	-1.77	0.30	-0.24	-1.94e-04	0.0	-3.48e-05
81	139	-0.20	2.11	-2.76e-03	-1.41e-03	0.0	-5.52e-05
81	145	2.00	-0.33	0.21	2.06e-04	0.0	4.28e-05
81	148	-1.99	0.33	-0.27	-2.15e-04	0.0	-3.91e-05
81	171	-0.22	2.38	1.32e-03	-1.60e-03	0.0	-6.18e-05
81	177	1.98	-0.30	0.21	1.86e-04	0.0	4.08e-05
81	180	-1.97	0.30	-0.27	-1.94e-04	0.0	-3.71e-05
81	203	-0.21	2.43	4.93e-03	-1.63e-03	0.0	-5.71e-05
81	209	2.31	-0.33	0.25	2.05e-04	0.0	4.65e-05
81	212	-2.30	0.33	-0.31	-2.13e-04	0.0	-4.29e-05
81	235	-0.24	2.88	0.01	-1.94e-03	0.0	-6.66e-05
81	261	-0.09	-0.01	-0.04	6.93e-06	0.0	3.89e-06
81	264	-0.09	-0.01	-0.05	4.35e-06	0.0	4.92e-06
81	275	4.19e-03	0.42	-0.03	-1.35e-04	0.0	-2.85e-04
81	304	-0.01	-1.79e-03	-0.03	0.0	0.0	1.63e-06
81	305	-0.01	-2.49e-04	-0.03	-2.44e-06	0.0	2.40e-06
81	307	4.43e-03	0.09	-0.03	-3.04e-05	0.0	-5.55e-05
81	310	4.52e-03	2.35e-03	-0.03	-4.19e-06	0.0	1.84e-06
82	47	-0.25	-0.01	-0.07	1.64e-06	0.0	9.90e-06
82	67	4.54e-03	0.37	-0.06	-1.63e-04	0.0	-2.10e-05
82	76	3.49e-03	-0.09	-0.11	3.12e-05	0.0	1.52e-05
82	113	3.05	-0.32	0.04	1.57e-04	0.0	9.96e-05
82	139	-0.33	2.82	0.13	-1.43e-03	0.0	3.60e-05
82	140	-1.32	-2.26	-0.28	1.15e-03	0.0	-6.66e-05
82	145	3.43	-0.36	0.06	1.75e-04	0.0	1.12e-04
82	171	-0.37	3.18	0.15	-1.62e-03	0.0	4.02e-05
82	172	-1.49	-2.57	-0.31	1.30e-03	0.0	-7.55e-05
82	177	3.40	-0.32	0.06	1.54e-04	0.0	1.11e-04
82	203	-0.35	3.25	0.16	-1.65e-03	0.0	4.04e-05
82	204	-1.49	-2.64	-0.31	1.34e-03	0.0	-7.49e-05
82	209	3.98	-0.35	0.08	1.69e-04	0.0	1.31e-04
82	235	-0.39	3.86	0.20	-1.96e-03	0.0	4.72e-05
82	236	-1.75	-3.15	-0.36	1.60e-03	0.0	-8.90e-05
82	263	-0.16	-6.56e-03	-0.06	0.0	0.0	7.46e-06
82	275	3.43e-03	0.25	-0.04	-1.09e-04	0.0	-1.39e-05
82	280	2.73e-03	-0.06	-0.07	2.06e-05	0.0	1.03e-05
82	298	2.69e-03	7.68e-03	-0.06	-7.84e-06	0.0	3.94e-06
82	305	-0.03	4.21e-03	-0.06	-5.74e-06	0.0	4.39e-06
82	307	2.85e-03	0.05	-0.05	-2.74e-05	0.0	0.0
82	309	2.75e-03	3.29e-03	-0.04	-3.57e-06	0.0	2.15e-06
82	310	2.70e-03	7.06e-03	-0.06	-7.23e-06	0.0	3.69e-06
83	28	-0.15	-2.61e-03	-0.08	-5.29e-06	0.0	8.79e-06
83	47	-0.25	-0.02	-0.06	3.86e-06	0.0	9.03e-06
83	67	4.77e-03	0.51	-0.05	-1.41e-04	0.0	-2.61e-04
83	113	3.05	-0.35	0.03	1.70e-04	0.0	1.02e-04
83	139	-0.33	2.81	0.05	-1.43e-03	0.0	-5.69e-05
83	144	-1.19	-2.55	-0.17	1.29e-03	0.0	4.84e-05
83	145	3.43	-0.39	0.04	1.89e-04	0.0	1.14e-04
83	171	-0.37	3.18	0.06	-1.61e-03	0.0	-6.39e-05
83	176	-1.34	-2.88	-0.19	1.46e-03	0.0	5.37e-05
83	177	3.40	-0.35	0.04	1.68e-04	0.0	1.12e-04
83	203	-0.35	3.25	0.07	-1.65e-03	0.0	-6.02e-05
83	208	-1.34	-2.96	-0.19	1.49e-03	0.0	5.03e-05
83	209	3.98	-0.39	0.06	1.85e-04	0.0	1.32e-04
83	235	-0.39	3.85	0.09	-1.95e-03	0.0	-7.04e-05
83	240	-1.57	-3.52	-0.22	1.78e-03	0.0	5.79e-05
83	256	-0.10	-1.57e-03	-0.06	-3.68e-06	0.0	5.99e-06
83	263	-0.16	-9.16e-03	-0.05	1.32e-06	0.0	6.72e-06
83	275	3.61e-03	0.34	-0.04	-9.43e-05	0.0	-1.74e-04
83	298	2.85e-03	6.69e-03	-0.05	-7.03e-06	0.0	3.05e-06
83	305	-0.03	2.95e-03	-0.05	-4.79e-06	0.0	3.60e-06
83	307	3.02e-03	0.07	-0.04	-2.39e-05	0.0	-3.25e-05
83	309	2.94e-03	2.72e-03	-0.04	-3.01e-06	0.0	1.77e-06
83	310	2.86e-03	6.13e-03	-0.04	-6.46e-06	0.0	2.87e-06
84	43	-0.34	-8.22e-03	-0.11	-1.06e-06	0.0	1.30e-05

84	67	1.40e-03	0.45	-0.08	-1.45e-04	0.0	-1.98e-05
84	76	-2.71e-03	-0.11	-0.13	2.39e-05	0.0	1.57e-05
84	116	-4.14	0.42	-0.19	-1.72e-04	0.0	-1.12e-04
84	139	-0.44	3.54	0.14	-1.44e-03	0.0	4.02e-05
84	140	-1.81	-2.84	-0.33	1.15e-03	0.0	-7.80e-05
84	148	-4.65	0.47	-0.21	-1.89e-04	0.0	-1.26e-04
84	171	-0.49	4.00	0.17	-1.63e-03	0.0	4.49e-05
84	172	-2.04	-3.22	-0.36	1.31e-03	0.0	-8.84e-05
84	180	-4.60	0.42	-0.21	-1.68e-04	0.0	-1.26e-04
84	203	-0.46	4.08	0.18	-1.66e-03	0.0	4.53e-05
84	204	-2.03	-3.31	-0.37	1.35e-03	0.0	-8.79e-05
84	212	-5.39	0.45	-0.23	-1.83e-04	0.0	-1.50e-04
84	235	-0.53	4.84	0.23	-1.97e-03	0.0	5.30e-05
84	236	-2.39	-3.95	-0.42	1.61e-03	0.0	-1.04e-04
84	263	-0.22	-5.11e-03	-0.08	0.0	0.0	8.86e-06
84	275	1.22e-03	0.30	-0.06	-9.65e-05	0.0	-1.30e-05
84	280	-1.53e-03	-0.07	-0.09	1.58e-05	0.0	1.06e-05
84	298	-6.66e-04	0.01	-0.08	-8.54e-06	0.0	4.35e-06
84	305	-0.05	8.27e-03	-0.07	-6.31e-06	0.0	4.98e-06
84	307	-1.18e-04	0.07	-0.07	-2.54e-05	0.0	0.0
84	309	5.31e-04	5.85e-03	-0.06	-3.66e-06	0.0	2.47e-06
84	310	-4.95e-04	0.01	-0.07	-7.84e-06	0.0	4.08e-06
85	28	-0.21	1.37e-03	-0.10	-7.09e-06	0.0	1.19e-05
85	43	-0.34	-0.01	-0.09	1.11e-06	0.0	1.33e-05
85	67	1.57e-03	0.56	-0.07	-9.33e-05	0.0	-2.36e-04
85	116	-4.22	0.46	-0.16	-1.81e-04	0.0	-1.12e-04
85	139	-0.45	3.53	0.06	-1.43e-03	0.0	-6.27e-05
85	144	-1.66	-3.20	-0.22	1.29e-03	0.0	5.47e-05
85	148	-4.75	0.51	-0.17	-2.00e-04	0.0	-1.27e-04
85	171	-0.50	3.99	0.07	-1.62e-03	0.0	-7.08e-05
85	176	-1.87	-3.62	-0.24	1.46e-03	0.0	6.08e-05
85	180	-4.70	0.45	-0.17	-1.79e-04	0.0	-1.25e-04
85	203	-0.47	4.07	0.08	-1.65e-03	0.0	-6.71e-05
85	208	-1.87	-3.71	-0.24	1.50e-03	0.0	5.75e-05
85	212	-5.50	0.50	-0.20	-1.96e-04	0.0	-1.49e-04
85	235	-0.53	4.83	0.10	-1.96e-03	0.0	-7.86e-05
85	240	-2.19	-4.41	-0.27	1.78e-03	0.0	6.60e-05
85	256	-0.14	1.18e-03	-0.07	-4.87e-06	0.0	8.14e-06
85	263	-0.23	-9.13e-03	-0.07	0.0	0.0	9.09e-06
85	275	1.39e-03	0.38	-0.05	-6.23e-05	0.0	-1.57e-04
85	298	-6.32e-04	0.01	-0.06	-8.03e-06	0.0	4.37e-06
85	305	-0.05	6.04e-03	-0.06	-5.63e-06	0.0	5.08e-06
85	307	-2.06e-05	0.08	-0.06	-1.82e-05	0.0	-2.81e-05
85	309	8.17e-04	4.61e-03	-0.05	-3.27e-06	0.0	2.75e-06
85	310	-4.25e-04	0.01	-0.06	-7.35e-06	0.0	4.13e-06
86	44	-0.25	-0.02	-0.10	4.37e-06	0.0	1.01e-05
86	47	-0.25	-0.02	-0.08	5.65e-06	0.0	8.99e-06
86	67	5.02e-03	0.66	-0.06	-1.14e-04	0.0	-3.22e-04
86	113	3.05	-0.39	0.25	1.80e-04	0.0	4.50e-05
86	116	-3.04	0.40	-0.34	-1.92e-04	0.0	-3.94e-05
86	139	-0.33	2.82	-3.46e-03	-1.42e-03	0.0	-5.73e-05
86	145	3.43	-0.43	0.29	2.00e-04	0.0	5.00e-05
86	148	-3.42	0.44	-0.38	-2.12e-04	0.0	-4.43e-05
86	171	-0.37	3.18	2.84e-03	-1.61e-03	0.0	-6.43e-05
86	177	3.39	-0.39	0.29	1.79e-04	0.0	4.74e-05
86	180	-3.39	0.40	-0.38	-1.91e-04	0.0	-4.18e-05
86	203	-0.34	3.25	8.01e-03	-1.64e-03	0.0	-5.98e-05
86	209	3.97	-0.43	0.35	1.98e-04	0.0	5.39e-05
86	212	-3.97	0.44	-0.44	-2.09e-04	0.0	-4.83e-05
86	235	-0.39	3.85	0.02	-1.94e-03	0.0	-6.97e-05
86	263	-0.16	-0.01	-0.07	2.70e-06	0.0	6.68e-06
86	264	-0.16	-0.01	-0.07	2.80e-06	0.0	6.87e-06
86	275	3.81e-03	0.44	-0.04	-7.64e-05	0.0	-2.14e-04
86	305	-0.03	1.44e-03	-0.05	-3.98e-06	0.0	3.55e-06
86	307	3.23e-03	0.09	-0.04	-1.98e-05	0.0	-4.06e-05
86	309	3.18e-03	1.96e-03	-0.04	-2.53e-06	0.0	1.77e-06
86	310	3.08e-03	4.94e-03	-0.05	-5.79e-06	0.0	2.82e-06
87	43	-0.36	-0.02	-0.12	2.88e-06	0.0	1.32e-05
87	44	-0.36	-0.02	-0.12	2.95e-06	0.0	1.35e-05
87	67	1.62e-03	0.72	-0.08	-3.33e-05	0.0	-3.39e-04
87	116	-4.35	0.49	-0.37	-1.89e-04	0.0	-1.13e-04
87	139	-0.46	3.53	1.50e-03	-1.42e-03	0.0	-6.18e-05
87	148	-4.89	0.55	-0.41	-2.08e-04	0.0	-1.27e-04
87	171	-0.51	3.99	0.01	-1.61e-03	0.0	-6.95e-05
87	180	-4.84	0.49	-0.41	-1.88e-04	0.0	-1.26e-04

87	203	-0.48	4.07	0.02	-1.64e-03	0.0	-6.45e-05
87	212	-5.66	0.54	-0.47	-2.05e-04	0.0	-1.49e-04
87	235	-0.55	4.83	0.03	-1.94e-03	0.0	-7.52e-05
87	263	-0.24	-0.01	-0.09	1.81e-06	0.0	9.00e-06
87	264	-0.24	-0.01	-0.09	1.86e-06	0.0	9.25e-06
87	275	1.53e-03	0.48	-0.06	-2.23e-05	0.0	-2.26e-04
87	305	-0.05	3.82e-03	-0.07	-5.05e-06	0.0	5.02e-06
87	307	-4.51e-05	0.10	-0.06	-9.87e-06	0.0	-4.20e-05
87	309	1.19e-03	3.37e-03	-0.05	-2.94e-06	0.0	2.75e-06
87	310	-5.10e-04	8.25e-03	-0.06	-6.93e-06	0.0	4.08e-06
88	43	-0.40	-5.38e-03	-0.14	1.11e-06	0.0	1.47e-05
88	67	-3.39e-03	0.52	-0.11	-1.33e-04	0.0	-9.17e-06
88	76	-0.01	-0.12	-0.17	2.31e-05	0.0	1.28e-05
88	116	-4.84	0.50	-0.22	-1.69e-04	0.0	-1.29e-04
88	139	-0.52	4.19	0.14	-1.45e-03	0.0	4.51e-05
88	140	-2.12	-3.36	-0.38	1.16e-03	0.0	-8.96e-05
88	148	-5.44	0.55	-0.24	-1.86e-04	0.0	-1.46e-04
88	171	-0.57	4.74	0.18	-1.63e-03	0.0	5.05e-05
88	172	-2.39	-3.81	-0.41	1.32e-03	0.0	-1.01e-04
88	180	-5.38	0.49	-0.24	-1.66e-04	0.0	-1.45e-04
88	203	-0.54	4.83	0.18	-1.67e-03	0.0	5.12e-05
88	204	-2.38	-3.92	-0.42	1.36e-03	0.0	-1.01e-04
88	212	-6.30	0.54	-0.27	-1.80e-04	0.0	-1.73e-04
88	235	-0.61	5.74	0.24	-1.98e-03	0.0	6.00e-05
88	236	-2.80	-4.68	-0.48	1.62e-03	0.0	-1.20e-04
88	263	-0.27	-3.06e-03	-0.10	0.0	0.0	1.00e-05
88	275	-2.31e-03	0.35	-0.08	-8.89e-05	0.0	-5.91e-06
88	280	-6.78e-03	-0.08	-0.12	1.54e-05	0.0	8.77e-06
88	298	-5.17e-03	0.02	-0.10	-7.16e-06	0.0	4.56e-06
88	305	-0.06	0.01	-0.10	-4.91e-06	0.0	5.39e-06
88	307	-4.30e-03	0.08	-0.09	-2.28e-05	0.0	2.20e-06
88	310	-4.88e-03	0.02	-0.10	-6.48e-06	0.0	4.29e-06
89	28	-0.25	5.16e-03	-0.13	-7.30e-06	0.0	1.40e-05
89	43	-0.41	-0.01	-0.12	1.26e-06	0.0	1.60e-05
89	67	-4.11e-03	0.59	-0.09	-5.54e-05	0.0	-1.39e-04
89	116	-4.87	0.54	-0.20	-1.79e-04	0.0	-1.26e-04
89	139	-0.52	4.18	0.06	-1.43e-03	0.0	-7.55e-05
89	144	-1.92	-3.78	-0.26	1.29e-03	0.0	6.85e-05
89	148	-5.47	0.60	-0.22	-1.98e-04	0.0	-1.43e-04
89	171	-0.58	4.72	0.08	-1.62e-03	0.0	-8.54e-05
89	176	-2.16	-4.28	-0.28	1.46e-03	0.0	7.65e-05
89	180	-5.42	0.53	-0.22	-1.77e-04	0.0	-1.42e-04
89	203	-0.54	4.82	0.08	-1.65e-03	0.0	-8.34e-05
89	208	-2.16	-4.38	-0.29	1.50e-03	0.0	7.49e-05
89	212	-6.34	0.58	-0.25	-1.93e-04	0.0	-1.68e-04
89	235	-0.61	5.72	0.11	-1.96e-03	0.0	-9.86e-05
89	240	-2.53	-5.21	-0.33	1.78e-03	0.0	8.68e-05
89	256	-0.17	3.77e-03	-0.09	-4.97e-06	0.0	9.61e-06
89	263	-0.27	-9.15e-03	-0.08	0.0	0.0	1.09e-05
89	275	-2.81e-03	0.39	-0.06	-3.70e-05	0.0	-9.25e-05
89	298	-5.84e-03	0.01	-0.08	-8.12e-06	0.0	5.08e-06
89	305	-0.06	8.86e-03	-0.07	-5.62e-06	0.0	6.00e-06
89	307	-4.89e-03	0.09	-0.07	-1.32e-05	0.0	-1.47e-05
89	310	-5.50e-03	0.01	-0.07	-7.40e-06	0.0	4.83e-06
90	43	-0.46	-0.01	-0.19	-8.64e-05	0.0	1.80e-05
90	67	-8.17e-03	0.59	-0.14	-2.88e-04	0.0	1.62e-05
90	76	-0.02	-0.13	-0.22	-5.93e-05	0.0	7.68e-06
90	116	-5.43	0.58	-0.26	-2.13e-04	0.0	-1.47e-04
90	139	-0.58	4.84	0.13	-1.45e-03	0.0	5.37e-05
90	140	-2.39	-3.89	-0.43	1.06e-03	0.0	-1.04e-04
90	148	-6.11	0.64	-0.28	-2.28e-04	0.0	-1.67e-04
90	171	-0.64	5.47	0.17	-1.63e-03	0.0	6.01e-05
90	172	-2.69	-4.40	-0.47	1.21e-03	0.0	-1.17e-04
90	180	-6.05	0.57	-0.28	-2.09e-04	0.0	-1.66e-04
90	203	-0.60	5.59	0.18	-1.67e-03	0.0	6.10e-05
90	204	-2.68	-4.54	-0.47	1.25e-03	0.0	-1.17e-04
90	212	-7.08	0.62	-0.31	-2.21e-04	0.0	-1.98e-04
90	235	-0.68	6.63	0.23	-1.97e-03	0.0	7.15e-05
90	236	-3.15	-5.41	-0.54	1.50e-03	0.0	-1.39e-04
90	263	-0.31	-6.33e-03	-0.13	-6.07e-05	0.0	1.23e-05
90	275	-5.83e-03	0.39	-0.10	-1.95e-04	0.0	1.11e-05
90	280	-0.01	-0.09	-0.16	-4.27e-05	0.0	5.40e-06
90	298	-9.78e-03	0.02	-0.13	-6.62e-05	0.0	5.70e-06
90	305	-0.07	0.01	-0.13	-6.15e-05	0.0	6.69e-06
90	307	-8.56e-03	0.09	-0.12	-8.83e-05	0.0	6.45e-06

90	310	-9.35e-03	0.02	-0.12	-6.26e-05	0.0	5.38e-06
91	28	-0.29	8.33e-03	-0.17	-1.02e-04	0.0	1.28e-05
91	43	-0.46	-0.02	-0.16	-7.81e-05	0.0	1.57e-05
91	67	-8.61e-03	0.59	-0.12	-3.57e-04	0.0	-1.30e-05
91	116	-5.43	0.62	-0.25	-2.31e-04	0.0	-1.45e-04
91	139	-0.58	4.82	0.05	-1.46e-03	0.0	4.80e-05
91	144	-2.15	-4.36	-0.31	1.22e-03	0.0	-5.84e-05
91	148	-6.11	0.68	-0.27	-2.50e-04	0.0	-1.64e-04
91	171	-0.64	5.45	0.07	-1.65e-03	0.0	5.39e-05
91	176	-2.42	-4.93	-0.34	1.39e-03	0.0	-6.64e-05
91	180	-6.05	0.61	-0.27	-2.30e-04	0.0	-1.63e-04
91	203	-0.60	5.56	0.08	-1.68e-03	0.0	5.45e-05
91	208	-2.42	-5.06	-0.35	1.43e-03	0.0	-6.66e-05
91	212	-7.08	0.67	-0.30	-2.46e-04	0.0	-1.94e-04
91	235	-0.68	6.60	0.11	-1.98e-03	0.0	6.40e-05
91	240	-2.83	-6.02	-0.39	1.71e-03	0.0	-7.96e-05
91	256	-0.19	5.90e-03	-0.12	-7.11e-05	0.0	8.74e-06
91	263	-0.31	-9.74e-03	-0.11	-5.49e-05	0.0	1.07e-05
91	275	-6.14e-03	0.39	-0.09	-2.41e-04	0.0	-8.49e-06
91	298	-0.01	0.02	-0.10	-6.05e-05	0.0	3.71e-06
91	305	-0.07	0.01	-0.10	-5.61e-05	0.0	4.91e-06
91	307	-8.92e-03	0.09	-0.10	-9.33e-05	0.0	1.07e-06
91	310	-9.73e-03	0.02	-0.10	-5.72e-05	0.0	3.51e-06
92	43	-0.42	-0.02	-0.14	2.32e-06	0.0	1.55e-05
92	44	-0.42	-0.02	-0.14	2.35e-06	0.0	1.59e-05
92	67	-6.04e-03	0.68	-0.10	4.43e-05	0.0	-1.92e-04
92	116	-4.90	0.58	-0.37	-1.86e-04	0.0	-1.26e-04
92	139	-0.52	4.17	3.33e-03	-1.41e-03	0.0	-7.31e-05
92	148	-5.50	0.64	-0.41	-2.05e-04	0.0	-1.43e-04
92	171	-0.58	4.71	0.01	-1.60e-03	0.0	-8.26e-05
92	180	-5.45	0.58	-0.41	-1.84e-04	0.0	-1.41e-04
92	203	-0.54	4.81	0.02	-1.63e-03	0.0	-8.01e-05
92	212	-6.38	0.63	-0.46	-2.02e-04	0.0	-1.68e-04
92	235	-0.62	5.70	0.04	-1.93e-03	0.0	-9.44e-05
92	263	-0.28	-0.01	-0.10	1.44e-06	0.0	1.06e-05
92	264	-0.28	-0.01	-0.10	1.46e-06	0.0	1.09e-05
92	275	-4.20e-03	0.45	-0.07	2.94e-05	0.0	-1.28e-04
92	305	-0.06	6.37e-03	-0.08	-5.58e-06	0.0	5.64e-06
92	307	-6.46e-03	0.10	-0.08	0.0	0.0	-2.21e-05
92	310	-7.13e-03	0.01	-0.08	-7.51e-06	0.0	4.45e-06
93	28	-0.29	2.85e-03	-0.18	-9.99e-05	0.0	7.32e-06
93	43	-0.46	-0.02	-0.17	-7.60e-05	0.0	1.16e-05
93	67	-9.07e-03	0.58	-0.12	-4.56e-04	0.0	0.0
93	116	-5.43	0.66	-0.39	-2.52e-04	0.0	-1.47e-04
93	139	-0.58	4.80	-6.44e-03	-1.49e-03	0.0	4.31e-05
93	148	-6.11	0.73	-0.43	-2.73e-04	0.0	-1.66e-04
93	171	-0.64	5.42	6.78e-03	-1.67e-03	0.0	4.86e-05
93	180	-6.05	0.66	-0.43	-2.51e-04	0.0	-1.65e-04
93	203	-0.60	5.53	0.01	-1.71e-03	0.0	4.91e-05
93	212	-7.08	0.72	-0.48	-2.72e-04	0.0	-1.96e-04
93	235	-0.68	6.56	0.04	-2.02e-03	0.0	5.81e-05
93	256	-0.19	2.15e-03	-0.13	-6.94e-05	0.0	4.97e-06
93	263	-0.31	-0.01	-0.12	-5.34e-05	0.0	7.79e-06
93	275	-6.47e-03	0.39	-0.09	-3.06e-04	0.0	0.0
93	305	-0.07	9.17e-03	-0.11	-5.48e-05	0.0	2.05e-06
93	307	-9.30e-03	0.09	-0.10	-1.05e-04	0.0	0.0
93	310	-0.01	0.02	-0.10	-5.59e-05	0.0	0.0
94	44	-0.05	-6.40e-03	-9.93e-03	1.26e-05	0.0	0.0
94	45	-0.05	-7.12e-03	-7.08e-03	1.42e-05	0.0	1.74e-06
94	67	5.54e-04	0.38	-6.41e-03	-7.11e-04	0.0	-2.45e-04
94	113	0.60	-0.11	9.66e-03	2.14e-04	0.0	1.45e-05
94	116	-0.60	0.11	-0.02	-2.16e-04	0.0	-1.54e-05
94	139	-0.07	0.71	-4.26e-03	-1.43e-03	0.0	-3.71e-05
94	145	0.67	-0.12	0.01	2.37e-04	0.0	1.63e-05
94	148	-0.67	0.12	-0.02	-2.40e-04	0.0	-1.73e-05
94	171	-0.08	0.81	-4.10e-03	-1.61e-03	0.0	-4.15e-05
94	177	0.66	-0.11	0.01	2.15e-04	0.0	1.59e-05
94	180	-0.66	0.11	-0.02	-2.18e-04	0.0	-1.68e-05
94	203	-0.07	0.82	-3.87e-03	-1.64e-03	0.0	-3.94e-05
94	209	0.78	-0.12	0.01	2.39e-04	0.0	1.85e-05
94	212	-0.78	0.12	-0.02	-2.42e-04	0.0	-1.94e-05
94	235	-0.08	0.97	-3.51e-03	-1.95e-03	0.0	-4.60e-05
94	261	-0.03	-4.69e-03	-6.36e-03	9.33e-06	0.0	1.10e-06
94	264	-0.03	-4.26e-03	-7.14e-03	8.36e-06	0.0	0.0
94	275	4.28e-04	0.25	-4.80e-03	-4.74e-04	0.0	-1.64e-04

94	304	-5.68e-03	-8.29e-04	-4.99e-03	1.57e-06	0.0	0.0
94	305	-5.64e-03	-3.22e-04	-5.56e-03	0.0	0.0	0.0
94	307	5.26e-04	0.05	-5.12e-03	-9.59e-05	0.0	-3.31e-05
94	310	5.52e-04	6.42e-04	-5.22e-03	-1.48e-06	0.0	0.0
95	1	0.0	0.0	0.0	-4.77e-06	0.0	0.0
95	113	0.0	0.0	0.0	2.14e-04	0.0	1.72e-06
95	145	0.0	0.0	0.0	2.37e-04	0.0	1.94e-06
95	177	0.0	0.0	0.0	2.16e-04	0.0	1.89e-06
95	209	0.0	0.0	0.0	2.39e-04	0.0	2.20e-06
95	241	0.0	0.0	0.0	-3.19e-06	0.0	0.0
95	297	0.0	0.0	0.0	0.0	0.0	0.0
95	309	0.0	0.0	0.0	0.0	0.0	0.0
96	44	-0.09	-0.01	-0.01	1.22e-05	0.0	2.25e-06
96	45	-0.09	-0.01	-0.01	1.42e-05	0.0	3.47e-06
96	67	1.38e-03	0.72	-8.85e-03	-6.63e-04	0.0	-4.64e-04
96	113	1.19	-0.21	0.02	2.13e-04	0.0	3.02e-05
96	116	-1.19	0.22	-0.03	-2.16e-04	0.0	-3.15e-05
96	139	-0.13	1.43	-6.01e-03	-1.43e-03	0.0	-7.32e-05
96	145	1.34	-0.24	0.02	2.36e-04	0.0	3.39e-05
96	148	-1.34	0.24	-0.03	-2.40e-04	0.0	-3.52e-05
96	171	-0.15	1.61	-5.80e-03	-1.61e-03	0.0	-8.17e-05
96	177	1.33	-0.22	0.02	2.15e-04	0.0	3.29e-05
96	180	-1.32	0.22	-0.03	-2.18e-04	0.0	-3.42e-05
96	203	-0.14	1.64	-5.45e-03	-1.65e-03	0.0	-7.74e-05
96	209	1.55	-0.24	0.02	2.38e-04	0.0	3.83e-05
96	212	-1.55	0.24	-0.04	-2.42e-04	0.0	-3.96e-05
96	235	-0.16	1.95	-4.95e-03	-1.95e-03	0.0	-9.03e-05
96	261	-0.06	-9.32e-03	-8.96e-03	9.24e-06	0.0	2.26e-06
96	264	-0.06	-8.36e-03	-0.01	8.10e-06	0.0	1.53e-06
96	275	1.03e-03	0.48	-6.62e-03	-4.42e-04	0.0	-3.09e-04
96	304	-0.01	-1.58e-03	-6.92e-03	1.45e-06	0.0	0.0
96	305	-0.01	-4.87e-04	-7.72e-03	0.0	0.0	0.0
96	307	1.21e-03	0.10	-7.07e-03	-8.97e-05	0.0	-6.23e-05
96	310	1.25e-03	1.45e-03	-7.21e-03	-1.73e-06	0.0	0.0
97	44	-0.12	-0.02	-0.02	1.20e-05	0.0	3.86e-06
97	45	-0.13	-0.02	-0.01	1.41e-05	0.0	5.00e-06
97	67	4.13e-03	1.03	-0.01	-6.58e-04	0.0	-6.58e-04
97	113	1.70	-0.32	6.43e-03	2.13e-04	0.0	4.28e-05
97	116	-1.69	0.33	-0.02	-2.16e-04	0.0	-4.37e-05
97	139	-0.19	2.14	-8.73e-03	-1.43e-03	0.0	-9.90e-05
97	145	1.91	-0.36	8.29e-03	2.36e-04	0.0	4.80e-05
97	148	-1.90	0.36	-0.03	-2.40e-04	0.0	-4.89e-05
97	171	-0.21	2.42	-8.71e-03	-1.61e-03	0.0	-1.11e-04
97	177	1.89	-0.32	8.17e-03	2.14e-04	0.0	4.66e-05
97	180	-1.88	0.33	-0.03	-2.18e-04	0.0	-4.74e-05
97	203	-0.20	2.47	-8.53e-03	-1.65e-03	0.0	-1.04e-04
97	209	2.21	-0.36	0.01	2.38e-04	0.0	5.40e-05
97	212	-2.20	0.36	-0.03	-2.42e-04	0.0	-5.49e-05
97	235	-0.23	2.93	-8.42e-03	-1.95e-03	0.0	-1.22e-04
97	261	-0.08	-0.01	-0.01	9.20e-06	0.0	3.36e-06
97	264	-0.08	-0.01	-0.01	8.00e-06	0.0	2.64e-06
97	275	3.05e-03	0.69	-7.81e-03	-4.38e-04	0.0	-4.39e-04
97	304	-0.01	-2.27e-03	-8.22e-03	1.41e-06	0.0	0.0
97	305	-0.01	-5.26e-04	-9.22e-03	0.0	0.0	0.0
97	307	3.33e-03	0.14	-8.37e-03	-8.91e-05	0.0	-8.81e-05
97	310	3.43e-03	2.38e-03	-8.55e-03	-1.83e-06	0.0	0.0
98	44	-0.05	-6.85e-03	-3.71e-03	1.36e-05	0.0	1.06e-06
98	45	-0.05	-7.90e-03	-2.74e-03	1.58e-05	0.0	1.76e-06
98	67	4.78e-04	0.48	-3.16e-03	-9.14e-04	0.0	-2.41e-04
98	113	0.59	-0.12	-1.33e-04	2.31e-04	0.0	1.46e-05
98	116	-0.59	0.12	-4.84e-03	-2.34e-04	0.0	-1.54e-05
98	139	-0.07	0.73	-2.77e-03	-1.45e-03	0.0	-3.74e-05
98	145	0.67	-0.13	1.60e-04	2.56e-04	0.0	1.64e-05
98	148	-0.67	0.13	-5.14e-03	-2.59e-04	0.0	-1.72e-05
98	171	-0.08	0.82	-2.80e-03	-1.64e-03	0.0	-4.17e-05
98	177	0.66	-0.12	1.32e-04	2.34e-04	0.0	1.59e-05
98	180	-0.66	0.12	-5.11e-03	-2.37e-04	0.0	-1.67e-05
98	203	-0.07	0.84	-2.79e-03	-1.67e-03	0.0	-3.95e-05
98	209	0.77	-0.13	5.79e-04	2.60e-04	0.0	1.85e-05
98	212	-0.77	0.13	-5.56e-03	-2.64e-04	0.0	-1.93e-05
98	235	-0.08	0.99	-2.83e-03	-1.98e-03	0.0	-4.62e-05
98	261	-0.03	-5.18e-03	-2.64e-03	1.03e-05	0.0	1.13e-06
98	264	-0.03	-4.57e-03	-2.77e-03	9.08e-06	0.0	0.0
98	275	3.73e-04	0.32	-2.41e-03	-6.09e-04	0.0	-1.61e-04
98	304	-5.63e-03	-9.04e-04	-2.44e-03	1.78e-06	0.0	0.0

98	305	-5.59e-03	-2.38e-04	-2.54e-03	0.0	0.0	0.0
98	307	4.98e-04	0.07	-2.47e-03	-1.23e-04	0.0	-3.24e-05
98	310	5.30e-04	8.32e-04	-2.49e-03	-1.72e-06	0.0	0.0
99	1	0.0	0.0	0.0	-5.33e-06	0.0	0.0
99	113	0.0	0.0	0.0	2.31e-04	0.0	1.77e-06
99	145	0.0	0.0	0.0	2.56e-04	0.0	1.99e-06
99	177	0.0	0.0	0.0	2.34e-04	0.0	1.93e-06
99	209	0.0	0.0	0.0	2.61e-04	0.0	2.25e-06
99	241	0.0	0.0	0.0	-3.55e-06	0.0	0.0
99	297	0.0	0.0	0.0	0.0	0.0	0.0
99	309	0.0	0.0	0.0	0.0	0.0	0.0
100	44	-0.09	-0.01	-5.60e-03	1.35e-05	0.0	2.34e-06
100	45	-0.09	-0.02	-4.16e-03	1.58e-05	0.0	3.48e-06
100	67	1.10e-03	0.92	-4.65e-03	-8.58e-04	0.0	-4.32e-04
100	113	1.19	-0.23	8.34e-04	2.30e-04	0.0	2.97e-05
100	116	-1.19	0.23	-8.17e-03	-2.34e-04	0.0	-3.08e-05
100	139	-0.13	1.45	-4.16e-03	-1.45e-03	0.0	-7.08e-05
100	145	1.33	-0.26	1.39e-03	2.56e-04	0.0	3.33e-05
100	148	-1.33	0.26	-8.73e-03	-2.59e-04	0.0	-3.45e-05
100	171	-0.15	1.64	-4.22e-03	-1.64e-03	0.0	-7.90e-05
100	177	1.32	-0.23	1.34e-03	2.33e-04	0.0	3.23e-05
100	180	-1.32	0.24	-8.68e-03	-2.37e-04	0.0	-3.35e-05
100	203	-0.14	1.67	-4.19e-03	-1.67e-03	0.0	-7.47e-05
100	209	1.55	-0.26	2.20e-03	2.60e-04	0.0	3.75e-05
100	212	-1.54	0.26	-9.54e-03	-2.63e-04	0.0	-3.87e-05
100	235	-0.16	1.98	-4.26e-03	-1.98e-03	0.0	-8.71e-05
100	261	-0.06	-0.01	-3.98e-03	1.03e-05	0.0	2.28e-06
100	264	-0.06	-9.09e-03	-4.18e-03	9.01e-06	0.0	1.60e-06
100	275	8.27e-04	0.62	-3.54e-03	-5.72e-04	0.0	-2.88e-04
100	304	-0.01	-1.78e-03	-3.61e-03	1.75e-06	0.0	0.0
100	305	-0.01	-4.28e-04	-3.76e-03	0.0	0.0	0.0
100	307	1.02e-03	0.12	-3.64e-03	-1.16e-04	0.0	-5.80e-05
100	310	1.08e-03	1.71e-03	-3.67e-03	-1.79e-06	0.0	0.0
101	44	-0.12	-0.02	-6.48e-03	1.35e-05	0.0	3.67e-06
101	45	-0.12	-0.02	-4.81e-03	1.58e-05	0.0	4.96e-06
101	67	2.05e-03	1.34	-5.28e-03	-8.56e-04	0.0	-5.52e-04
101	113	1.65	-0.35	1.63e-03	2.30e-04	0.0	4.07e-05
101	116	-1.64	0.35	-9.98e-03	-2.34e-04	0.0	-4.18e-05
101	139	-0.19	2.17	-3.98e-03	-1.45e-03	0.0	-9.03e-05
101	145	1.85	-0.38	2.35e-03	2.55e-04	0.0	4.56e-05
101	148	-1.85	0.39	-0.01	-2.59e-04	0.0	-4.68e-05
101	171	-0.21	2.46	-3.94e-03	-1.64e-03	0.0	-1.01e-04
101	177	1.83	-0.35	2.31e-03	2.33e-04	0.0	4.42e-05
101	180	-1.83	0.36	-0.01	-2.37e-04	0.0	-4.53e-05
101	203	-0.20	2.50	-3.85e-03	-1.67e-03	0.0	-9.50e-05
101	209	2.15	-0.39	3.44e-03	2.60e-04	0.0	5.12e-05
101	212	-2.14	0.40	-0.01	-2.63e-04	0.0	-5.23e-05
101	235	-0.22	2.97	-3.75e-03	-1.98e-03	0.0	-1.11e-04
101	261	-0.08	-0.02	-4.57e-03	1.03e-05	0.0	3.30e-06
101	264	-0.08	-0.01	-4.82e-03	8.99e-06	0.0	2.50e-06
101	275	1.50e-03	0.90	-4.02e-03	-5.71e-04	0.0	-3.68e-04
101	304	-0.01	-2.65e-03	-4.11e-03	1.74e-06	0.0	0.0
101	305	-0.01	-5.89e-04	-4.29e-03	0.0	0.0	0.0
101	307	1.74e-03	0.18	-4.14e-03	-1.16e-04	0.0	-7.40e-05
101	310	1.81e-03	2.62e-03	-4.18e-03	-1.82e-06	0.0	0.0
102	18	0.02	5.86e-03	-6.83e-03	-1.17e-05	0.0	-1.53e-06
102	45	-0.04	-8.68e-03	-3.31e-03	1.73e-05	0.0	1.77e-06
102	67	4.16e-04	0.59	-5.83e-03	-1.08e-03	0.0	-2.41e-04
102	113	0.59	-0.12	-0.01	2.47e-04	0.0	1.47e-05
102	139	-0.07	0.74	-1.43e-03	-1.47e-03	0.0	-3.82e-05
102	145	0.66	-0.14	-0.01	2.75e-04	0.0	1.66e-05
102	171	-0.08	0.83	-1.03e-03	-1.66e-03	0.0	-4.27e-05
102	177	0.66	-0.13	-0.01	2.52e-04	0.0	1.61e-05
102	203	-0.07	0.85	-1.11e-03	-1.69e-03	0.0	-4.04e-05
102	209	0.77	-0.14	-0.02	2.82e-04	0.0	1.87e-05
102	235	-0.08	1.01	-5.32e-04	-2.01e-03	0.0	-4.72e-05
102	251	0.02	3.90e-03	-5.10e-03	-7.76e-06	0.0	-1.00e-06
102	261	-0.03	-5.69e-03	-3.73e-03	1.14e-05	0.0	1.15e-06
102	275	3.28e-04	0.39	-4.44e-03	-7.23e-04	0.0	-1.61e-04
102	303	3.56e-03	1.57e-03	-4.73e-03	-3.12e-06	0.0	0.0
102	304	-5.57e-03	-9.96e-04	-4.30e-03	1.99e-06	0.0	0.0
102	307	4.89e-04	0.08	-4.61e-03	-1.46e-04	0.0	-3.24e-05
102	310	5.31e-04	9.83e-04	-4.66e-03	-1.95e-06	0.0	0.0
103	1	0.0	0.0	0.0	-5.85e-06	0.0	0.0
103	113	0.0	0.0	0.0	2.48e-04	0.0	1.74e-06

103	145	0.0	0.0	0.0	2.76e-04	0.0	1.96e-06
103	177	0.0	0.0	0.0	2.53e-04	0.0	1.91e-06
103	209	0.0	0.0	0.0	2.83e-04	0.0	2.22e-06
103	241	0.0	0.0	0.0	-3.87e-06	0.0	0.0
103	297	0.0	0.0	0.0	0.0	0.0	0.0
103	309	0.0	0.0	0.0	0.0	0.0	0.0
104	18	0.05	0.01	-9.42e-03	-1.17e-05	0.0	-2.75e-06
104	45	-0.09	-0.02	-4.56e-03	1.73e-05	0.0	3.49e-06
104	67	8.28e-04	1.10	-8.04e-03	-9.81e-04	0.0	-4.07e-04
104	113	1.18	-0.25	-0.02	2.46e-04	0.0	2.93e-05
104	139	-0.13	1.47	-1.85e-03	-1.46e-03	0.0	-6.95e-05
104	145	1.33	-0.27	-0.02	2.73e-04	0.0	3.29e-05
104	171	-0.15	1.66	-1.29e-03	-1.65e-03	0.0	-7.75e-05
104	177	1.31	-0.25	-0.02	2.50e-04	0.0	3.19e-05
104	203	-0.14	1.69	-1.41e-03	-1.69e-03	0.0	-7.33e-05
104	209	1.54	-0.28	-0.02	2.80e-04	0.0	3.71e-05
104	235	-0.16	2.01	-5.89e-04	-2.00e-03	0.0	-8.55e-05
104	251	0.03	7.78e-03	-7.03e-03	-7.76e-06	0.0	-1.80e-06
104	261	-0.06	-0.01	-5.14e-03	1.14e-05	0.0	2.29e-06
104	275	6.29e-04	0.74	-6.12e-03	-6.54e-04	0.0	-2.71e-04
104	303	6.79e-03	3.13e-03	-6.52e-03	-3.12e-06	0.0	0.0
104	304	-0.01	-2.00e-03	-5.93e-03	2.00e-06	0.0	0.0
104	307	8.63e-04	0.15	-6.35e-03	-1.32e-04	0.0	-5.47e-05
104	310	9.27e-04	1.96e-03	-6.42e-03	-1.95e-06	0.0	0.0
105	18	0.06	0.02	-0.01	-1.17e-05	0.0	-3.63e-06
105	45	-0.12	-0.03	-4.71e-03	1.74e-05	0.0	4.96e-06
105	67	6.85e-05	1.57	-9.41e-03	-9.58e-04	0.0	-4.35e-04
105	113	1.63	-0.37	-8.95e-03	2.45e-04	0.0	3.82e-05
105	114	1.33	-1.17	-9.15e-03	7.79e-04	0.0	7.15e-05
105	139	-0.18	2.20	-6.78e-03	-1.46e-03	0.0	-7.95e-05
105	145	1.83	-0.41	-9.12e-03	2.72e-04	0.0	4.29e-05
105	146	1.49	-1.32	-9.35e-03	8.77e-04	0.0	8.00e-05
105	171	-0.20	2.49	-6.69e-03	-1.65e-03	0.0	-8.87e-05
105	177	1.81	-0.38	-9.10e-03	2.49e-04	0.0	4.14e-05
105	178	1.46	-1.31	-9.32e-03	8.72e-04	0.0	7.66e-05
105	203	-0.19	2.53	-6.70e-03	-1.68e-03	0.0	-8.37e-05
105	209	2.12	-0.42	-9.36e-03	2.79e-04	0.0	4.80e-05
105	210	1.70	-1.55	-9.62e-03	1.03e-03	0.0	8.94e-05
105	235	-0.22	3.01	-6.57e-03	-1.99e-03	0.0	-9.75e-05
105	251	0.04	0.01	-8.45e-03	-7.77e-06	0.0	-2.36e-06
105	261	-0.08	-0.02	-5.61e-03	1.14e-05	0.0	3.29e-06
105	275	3.50e-05	1.05	-7.15e-03	-6.38e-04	0.0	-2.90e-04
105	303	8.29e-03	4.69e-03	-7.68e-03	-3.12e-06	0.0	0.0
105	304	-0.02	-3.00e-03	-6.85e-03	2.00e-06	0.0	0.0
105	307	2.10e-04	0.21	-7.44e-03	-1.29e-04	0.0	-5.85e-05
105	310	2.59e-04	2.93e-03	-7.53e-03	-1.95e-06	0.0	0.0
106	28	-0.26	-5.28e-03	-0.18	-4.23e-06	0.0	1.03e-05
106	44	-0.42	-0.03	-0.18	5.46e-06	0.0	1.38e-05
106	67	-6.92e-03	0.81	-0.13	4.88e-04	0.0	-2.40e-04
106	116	-4.89	0.62	-0.34	-1.90e-04	0.0	-1.27e-04
106	139	-0.52	4.17	-0.02	-1.36e-03	0.0	-7.12e-05
106	148	-5.50	0.68	-0.36	-2.09e-04	0.0	-1.43e-04
106	171	-0.58	4.71	-4.89e-03	-1.53e-03	0.0	-8.00e-05
106	180	-5.44	0.62	-0.36	-1.89e-04	0.0	-1.41e-04
106	203	-0.55	4.81	5.84e-04	-1.57e-03	0.0	-7.51e-05
106	212	-6.38	0.69	-0.41	-2.07e-04	0.0	-1.67e-04
106	235	-0.62	5.70	0.02	-1.86e-03	0.0	-8.74e-05
106	256	-0.17	-3.40e-03	-0.13	-2.89e-06	0.0	7.08e-06
106	264	-0.28	-0.02	-0.13	3.57e-06	0.0	9.38e-06
106	275	-4.83e-03	0.54	-0.10	3.25e-04	0.0	-1.60e-04
106	305	-0.06	4.66e-03	-0.11	-4.57e-06	0.0	3.91e-06
106	307	-7.16e-03	0.12	-0.11	5.98e-05	0.0	-3.00e-05
106	310	-7.86e-03	0.01	-0.11	-6.77e-06	0.0	2.61e-06
107	28	-0.23	-7.21e-03	-0.18	-4.24e-06	0.0	8.16e-06
107	44	-0.38	-0.03	-0.18	5.44e-06	0.0	1.16e-05
107	67	-2.08e-03	1.02	-0.13	4.89e-04	0.0	-4.46e-04
107	116	-4.44	0.53	-0.33	-1.90e-04	0.0	-5.60e-05
107	139	-0.47	3.56	-0.01	-1.36e-03	0.0	-8.08e-05
107	148	-4.99	0.59	-0.36	-2.10e-04	0.0	-6.28e-05
107	171	-0.53	4.02	1.01e-03	-1.54e-03	0.0	-9.02e-05
107	180	-4.94	0.54	-0.36	-1.89e-04	0.0	-5.96e-05
107	203	-0.49	4.10	6.54e-03	-1.57e-03	0.0	-8.24e-05
107	212	-5.79	0.59	-0.41	-2.08e-04	0.0	-6.87e-05
107	235	-0.56	4.86	0.03	-1.86e-03	0.0	-9.52e-05
107	256	-0.16	-4.71e-03	-0.13	-2.89e-06	0.0	5.61e-06

107	264	-0.25	-0.02	-0.13	3.56e-06	0.0	7.87e-06
107	275	-1.13e-03	0.68	-0.10	3.26e-04	0.0	-2.97e-04
107	305	-0.05	2.59e-03	-0.11	-4.58e-06	0.0	2.97e-06
107	307	-3.03e-03	0.14	-0.10	5.99e-05	0.0	-5.80e-05
107	310	-3.61e-03	7.53e-03	-0.11	-6.77e-06	0.0	1.79e-06
108	28	-0.29	-3.33e-03	-0.19	-1.13e-04	0.0	9.40e-06
108	43	-0.46	-0.03	-0.18	-8.58e-05	0.0	1.33e-05
108	67	-9.07e-03	0.58	-0.14	-8.37e-04	0.0	-6.18e-05
108	116	-5.44	0.70	-0.34	-2.93e-04	0.0	-1.46e-04
108	139	-0.58	4.78	-0.02	-1.58e-03	0.0	3.69e-05
108	148	-6.11	0.78	-0.37	-3.18e-04	0.0	-1.64e-04
108	171	-0.64	5.40	-5.64e-03	-1.78e-03	0.0	4.14e-05
108	180	-6.05	0.71	-0.37	-2.95e-04	0.0	-1.63e-04
108	203	-0.60	5.51	-1.06e-04	-1.81e-03	0.0	4.13e-05
108	212	-7.08	0.78	-0.41	-3.21e-04	0.0	-1.93e-04
108	235	-0.68	6.53	0.02	-2.14e-03	0.0	4.84e-05
108	256	-0.19	-2.07e-03	-0.14	-7.82e-05	0.0	6.39e-06
108	263	-0.31	-0.02	-0.13	-6.03e-05	0.0	9.00e-06
108	275	-6.47e-03	0.39	-0.10	-5.61e-04	0.0	-4.11e-05
108	305	-0.07	6.73e-03	-0.12	-6.16e-05	0.0	3.12e-06
108	307	-9.31e-03	0.09	-0.11	-1.62e-04	0.0	-6.90e-06
108	310	-0.01	0.01	-0.11	-6.29e-05	0.0	1.67e-06
109	28	-0.26	-9.96e-03	-0.18	-1.30e-06	0.0	1.04e-05
109	44	-0.42	-0.03	-0.17	8.37e-06	0.0	1.38e-05
109	67	-7.51e-03	0.91	-0.14	7.28e-04	0.0	-2.16e-04
109	116	-4.90	0.66	-0.23	-1.95e-04	0.0	-1.26e-04
109	139	-0.53	4.17	-0.02	-1.32e-03	0.0	-7.18e-05
109	144	-1.93	-3.76	-0.25	1.19e-03	0.0	6.23e-05
109	148	-5.50	0.73	-0.25	-2.16e-04	0.0	-1.42e-04
109	171	-0.58	4.71	-9.90e-03	-1.49e-03	0.0	-8.07e-05
109	176	-2.18	-4.26	-0.27	1.34e-03	0.0	6.94e-05
109	180	-5.45	0.67	-0.25	-1.96e-04	0.0	-1.40e-04
109	203	-0.55	4.80	-6.02e-03	-1.52e-03	0.0	-7.65e-05
109	208	-2.17	-4.36	-0.28	1.38e-03	0.0	6.57e-05
109	212	-6.38	0.74	-0.28	-2.16e-04	0.0	-1.66e-04
109	235	-0.62	5.70	0.01	-1.80e-03	0.0	-8.93e-05
109	240	-2.55	-5.19	-0.31	1.64e-03	0.0	7.56e-05
109	256	-0.17	-6.60e-03	-0.13	0.0	0.0	7.13e-06
109	264	-0.28	-0.02	-0.13	5.54e-06	0.0	9.42e-06
109	275	-5.27e-03	0.61	-0.10	4.85e-04	0.0	-1.44e-04
109	298	-8.80e-03	0.01	-0.11	-6.22e-06	0.0	2.76e-06
109	305	-0.06	2.88e-03	-0.11	-3.30e-06	0.0	3.95e-06
109	307	-7.64e-03	0.13	-0.11	9.27e-05	0.0	-2.67e-05
109	310	-8.34e-03	9.40e-03	-0.11	-5.63e-06	0.0	2.66e-06
110	28	-0.24	-0.01	-0.17	-1.30e-06	0.0	8.13e-06
110	44	-0.40	-0.03	-0.17	8.37e-06	0.0	1.15e-05
110	67	-6.96e-03	1.24	-0.13	7.35e-04	0.0	-3.71e-04
110	116	-4.50	0.57	-0.23	-1.96e-04	0.0	-5.15e-05
110	139	-0.48	3.58	-0.02	-1.32e-03	0.0	-7.32e-05
110	144	-1.78	-3.23	-0.25	1.19e-03	0.0	6.27e-05
110	148	-5.06	0.63	-0.25	-2.16e-04	0.0	-5.77e-05
110	171	-0.54	4.04	-0.01	-1.49e-03	0.0	-8.17e-05
110	176	-2.00	-3.65	-0.27	1.35e-03	0.0	6.95e-05
110	180	-5.01	0.58	-0.25	-1.96e-04	0.0	-5.45e-05
110	203	-0.50	4.12	-6.43e-03	-1.52e-03	0.0	-7.44e-05
110	208	-2.00	-3.74	-0.27	1.38e-03	0.0	6.28e-05
110	212	-5.86	0.64	-0.27	-2.16e-04	0.0	-6.29e-05
110	235	-0.57	4.89	0.01	-1.80e-03	0.0	-8.59e-05
110	240	-2.34	-4.45	-0.30	1.64e-03	0.0	7.17e-05
110	256	-0.16	-7.01e-03	-0.13	0.0	0.0	5.58e-06
110	264	-0.26	-0.02	-0.12	5.55e-06	0.0	7.86e-06
110	275	-4.74e-03	0.83	-0.10	4.90e-04	0.0	-2.47e-04
110	298	-8.06e-03	7.66e-03	-0.11	-6.22e-06	0.0	1.79e-06
110	305	-0.06	1.40e-03	-0.11	-3.30e-06	0.0	2.95e-06
110	307	-6.88e-03	0.17	-0.11	9.36e-05	0.0	-4.81e-05
110	310	-7.55e-03	6.86e-03	-0.11	-5.62e-06	0.0	1.76e-06
111	28	-0.29	-9.37e-03	-0.18	-1.30e-04	0.0	9.31e-06
111	43	-0.46	-0.04	-0.17	-9.93e-05	0.0	1.32e-05
111	67	-9.07e-03	0.58	-0.14	-1.11e-03	0.0	-6.16e-05
111	116	-5.43	0.75	-0.23	-3.32e-04	0.0	-1.46e-04
111	139	-0.58	4.76	-0.02	-1.66e-03	0.0	3.67e-05
111	144	-2.15	-4.30	-0.26	1.37e-03	0.0	-5.03e-05
111	148	-6.11	0.83	-0.25	-3.61e-04	0.0	-1.64e-04
111	171	-0.64	5.38	-0.01	-1.87e-03	0.0	4.13e-05
111	176	-2.42	-4.86	-0.27	1.56e-03	0.0	-5.69e-05

111	180	-6.05	0.75	-0.25	-3.36e-04	0.0	-1.63e-04
111	203	-0.60	5.48	-8.86e-03	-1.91e-03	0.0	4.11e-05
111	208	-2.42	-4.98	-0.28	1.60e-03	0.0	-5.63e-05
111	212	-7.08	0.84	-0.28	-3.67e-04	0.0	-1.93e-04
111	235	-0.68	6.50	0.01	-2.25e-03	0.0	4.82e-05
111	240	-2.83	-5.92	-0.31	1.91e-03	0.0	-6.67e-05
111	256	-0.19	-6.19e-03	-0.13	-9.02e-05	0.0	6.33e-06
111	263	-0.31	-0.02	-0.12	-6.97e-05	0.0	8.95e-06
111	275	-6.47e-03	0.38	-0.10	-7.46e-04	0.0	-4.09e-05
111	298	-0.01	0.01	-0.11	-7.65e-05	0.0	1.67e-06
111	305	-0.07	4.37e-03	-0.11	-7.08e-05	0.0	3.07e-06
111	307	-9.33e-03	0.09	-0.11	-2.06e-04	0.0	-6.90e-06
111	310	-0.01	0.01	-0.11	-7.22e-05	0.0	1.62e-06
112	44	-0.42	-0.04	-0.14	1.13e-05	0.0	1.39e-05
112	67	-7.86e-03	1.00	-0.12	9.07e-04	0.0	-1.97e-04
112	76	-0.02	-0.28	-0.15	-2.84e-04	0.0	6.48e-05
112	116	-4.90	0.70	-0.09	-2.04e-04	0.0	-1.25e-04
112	138	0.51	-4.15	-0.19	1.28e-03	0.0	7.81e-05
112	139	-0.53	4.16	-0.01	-1.29e-03	0.0	-7.27e-05
112	148	-5.51	0.78	-0.09	-2.26e-04	0.0	-1.41e-04
112	170	0.57	-4.69	-0.20	1.45e-03	0.0	8.71e-05
112	171	-0.59	4.70	1.80e-04	-1.46e-03	0.0	-8.18e-05
112	180	-5.46	0.71	-0.09	-2.06e-04	0.0	-1.40e-04
112	202	0.53	-4.78	-0.20	1.48e-03	0.0	8.34e-05
112	203	-0.55	4.79	2.26e-03	-1.48e-03	0.0	-7.80e-05
112	212	-6.39	0.79	-0.09	-2.28e-04	0.0	-1.65e-04
112	234	0.60	-5.67	-0.22	1.75e-03	0.0	9.66e-05
112	235	-0.62	5.69	0.02	-1.76e-03	0.0	-9.12e-05
112	264	-0.28	-0.03	-0.11	7.56e-06	0.0	9.44e-06
112	275	-5.54e-03	0.67	-0.09	6.05e-04	0.0	-1.31e-04
112	280	-0.01	-0.19	-0.11	-1.89e-04	0.0	4.34e-05
112	298	-9.08e-03	9.21e-03	-0.10	-4.94e-06	0.0	2.79e-06
112	305	-0.06	1.09e-03	-0.10	-1.98e-06	0.0	3.98e-06
112	307	-7.91e-03	0.14	-0.10	1.18e-04	0.0	-2.41e-05
112	310	-8.62e-03	8.19e-03	-0.10	-4.44e-06	0.0	2.68e-06
113	44	-0.40	-0.04	-0.14	1.14e-05	0.0	1.15e-05
113	67	-0.01	1.40	-0.12	9.07e-04	0.0	-2.96e-04
113	76	-0.02	-0.40	-0.15	-2.84e-04	0.0	9.23e-05
113	116	-4.52	0.61	-0.14	-2.05e-04	0.0	-4.67e-05
113	139	-0.49	3.58	-0.02	-1.29e-03	0.0	-6.76e-05
113	140	-1.99	-2.82	-0.18	1.01e-03	0.0	2.23e-05
113	148	-5.08	0.67	-0.14	-2.26e-04	0.0	-5.24e-05
113	171	-0.54	4.05	-0.01	-1.46e-03	0.0	-7.55e-05
113	172	-2.24	-3.19	-0.20	1.15e-03	0.0	2.43e-05
113	180	-5.03	0.62	-0.14	-2.06e-04	0.0	-4.92e-05
113	203	-0.51	4.13	-9.21e-03	-1.49e-03	0.0	-6.93e-05
113	204	-2.23	-3.29	-0.20	1.18e-03	0.0	1.97e-05
113	212	-5.89	0.69	-0.15	-2.29e-04	0.0	-5.66e-05
113	235	-0.58	4.89	7.42e-03	-1.76e-03	0.0	-8.02e-05
113	236	-2.62	-3.92	-0.22	1.41e-03	0.0	2.17e-05
113	264	-0.27	-0.02	-0.10	7.60e-06	0.0	7.82e-06
113	275	-7.62e-03	0.93	-0.09	6.05e-04	0.0	-1.97e-04
113	280	-0.01	-0.27	-0.11	-1.89e-04	0.0	6.17e-05
113	298	-0.01	7.01e-03	-0.10	-4.91e-06	0.0	1.75e-06
113	305	-0.06	2.27e-04	-0.10	-1.95e-06	0.0	2.91e-06
113	307	-9.85e-03	0.19	-0.09	1.18e-04	0.0	-3.81e-05
113	310	-0.01	6.21e-03	-0.10	-4.41e-06	0.0	1.73e-06
114	43	-0.46	-0.04	-0.14	-1.12e-04	0.0	1.35e-05
114	67	-9.05e-03	0.57	-0.12	-1.38e-03	0.0	-5.67e-05
114	76	-0.02	-0.14	-0.15	2.25e-04	0.0	2.08e-05
114	116	-5.43	0.79	-0.09	-3.73e-04	0.0	-1.46e-04
114	138	0.56	-4.72	-0.19	1.59e-03	0.0	-3.30e-05
114	139	-0.58	4.74	-0.01	-1.75e-03	0.0	3.66e-05
114	148	-6.11	0.88	-0.09	-4.05e-04	0.0	-1.64e-04
114	170	0.62	-5.33	-0.20	1.81e-03	0.0	-3.76e-05
114	171	-0.64	5.35	-1.45e-03	-1.97e-03	0.0	4.11e-05
114	180	-6.05	0.80	-0.09	-3.79e-04	0.0	-1.63e-04
114	202	0.58	-5.44	-0.20	1.85e-03	0.0	-3.74e-05
114	203	-0.60	5.46	7.14e-04	-2.01e-03	0.0	4.09e-05
114	212	-7.08	0.89	-0.09	-4.14e-04	0.0	-1.93e-04
114	234	0.66	-6.45	-0.22	2.20e-03	0.0	-4.44e-05
114	235	-0.68	6.47	0.02	-2.37e-03	0.0	4.80e-05
114	263	-0.31	-0.03	-0.11	-7.85e-05	0.0	9.13e-06
114	275	-6.46e-03	0.38	-0.09	-9.26e-04	0.0	-3.77e-05
114	280	-0.01	-0.10	-0.11	1.46e-04	0.0	1.40e-05

114	298	-0.01	0.01	-0.10	-8.58e-05	0.0	1.84e-06
114	305	-0.07	2.00e-03	-0.10	-7.95e-05	0.0	3.24e-06
114	307	-9.33e-03	0.08	-0.10	-2.49e-04	0.0	-6.13e-06
114	310	-0.01	0.01	-0.10	-8.09e-05	0.0	1.78e-06
115	45	-0.05	-3.87e-03	-6.99e-03	7.46e-06	0.0	2.08e-06
115	67	2.26e-03	0.18	-0.01	-2.97e-04	0.0	1.32e-04
115	76	3.28e-03	-0.05	-0.02	7.95e-05	0.0	-3.47e-05
115	113	0.62	-0.07	-0.01	1.45e-04	0.0	2.71e-05
115	138	0.07	-0.70	-0.03	1.41e-03	0.0	-2.55e-05
115	139	-0.07	0.71	9.69e-03	-1.42e-03	0.0	2.94e-05
115	145	0.69	-0.08	-0.01	1.60e-04	0.0	3.04e-05
115	170	0.08	-0.80	-0.03	1.60e-03	0.0	-2.91e-05
115	171	-0.08	0.80	0.01	-1.60e-03	0.0	3.30e-05
115	177	0.68	-0.07	-0.01	1.41e-04	0.0	3.10e-05
115	202	0.08	-0.81	-0.03	1.63e-03	0.0	-2.99e-05
115	203	-0.07	0.82	0.01	-1.64e-03	0.0	3.37e-05
115	209	0.80	-0.08	-0.01	1.53e-04	0.0	3.67e-05
115	234	0.09	-0.96	-0.03	1.94e-03	0.0	-3.59e-05
115	235	-0.09	0.97	0.02	-1.94e-03	0.0	3.98e-05
115	261	-0.03	-2.30e-03	-7.43e-03	4.21e-06	0.0	1.82e-06
115	275	1.66e-03	0.12	-7.66e-03	-1.98e-04	0.0	8.78e-05
115	280	2.34e-03	-0.03	-0.01	5.29e-05	0.0	-2.31e-05
115	298	1.95e-03	1.65e-03	-9.43e-03	-4.32e-06	0.0	2.07e-06
115	303	5.33e-03	1.82e-03	-9.17e-03	-4.59e-06	0.0	1.85e-06
115	307	1.84e-03	0.02	-8.81e-03	-4.27e-05	0.0	1.91e-05
115	310	1.89e-03	1.52e-03	-9.16e-03	-3.97e-06	0.0	1.93e-06
116	1	0.0	0.0	0.0	-5.15e-06	0.0	0.0
116	113	0.0	0.0	0.0	1.45e-04	0.0	3.40e-06
116	145	0.0	0.0	0.0	1.61e-04	0.0	3.79e-06
116	177	0.0	0.0	0.0	1.41e-04	0.0	3.86e-06
116	209	0.0	0.0	0.0	1.53e-04	0.0	4.53e-06
116	241	0.0	0.0	0.0	-3.56e-06	0.0	0.0
116	297	0.0	0.0	0.0	-1.73e-06	0.0	0.0
116	309	0.0	0.0	0.0	-1.73e-06	0.0	0.0
117	45	-0.10	-7.61e-03	-0.01	7.15e-06	0.0	4.07e-06
117	67	3.86e-03	0.32	-0.02	-2.53e-04	0.0	2.27e-04
117	76	5.13e-03	-0.09	-0.03	6.40e-05	0.0	-5.96e-05
117	113	1.27	-0.15	-0.03	1.44e-04	0.0	5.32e-05
117	138	0.15	-1.41	-0.06	1.42e-03	0.0	-4.27e-05
117	139	-0.14	1.42	0.02	-1.43e-03	0.0	4.96e-05
117	145	1.42	-0.16	-0.03	1.60e-04	0.0	5.96e-05
117	170	0.16	-1.59	-0.06	1.60e-03	0.0	-4.87e-05
117	171	-0.16	1.60	0.03	-1.61e-03	0.0	5.56e-05
117	177	1.41	-0.14	-0.03	1.40e-04	0.0	6.06e-05
117	202	0.16	-1.63	-0.06	1.64e-03	0.0	-5.00e-05
117	203	-0.15	1.64	0.03	-1.65e-03	0.0	5.69e-05
117	209	1.65	-0.15	-0.03	1.51e-04	0.0	7.16e-05
117	234	0.18	-1.93	-0.07	1.94e-03	0.0	-6.01e-05
117	235	-0.17	1.94	0.04	-1.95e-03	0.0	6.70e-05
117	261	-0.07	-4.41e-03	-0.01	3.78e-06	0.0	3.50e-06
117	275	2.84e-03	0.21	-0.01	-1.69e-04	0.0	1.51e-04
117	280	3.69e-03	-0.06	-0.02	4.25e-05	0.0	-3.96e-05
117	298	3.13e-03	3.81e-03	-0.02	-5.39e-06	0.0	3.70e-06
117	304	-0.01	4.55e-04	-0.01	-1.20e-06	0.0	2.24e-06
117	307	2.99e-03	0.05	-0.02	-3.77e-05	0.0	3.29e-05
117	310	3.05e-03	3.50e-03	-0.02	-4.97e-06	0.0	3.45e-06
118	45	-0.17	-0.01	-0.02	6.75e-06	0.0	5.82e-06
118	67	5.03e-03	0.43	-0.03	-2.00e-04	0.0	2.77e-04
118	76	5.88e-03	-0.12	-0.04	4.48e-05	0.0	-7.24e-05
118	113	2.04	-0.22	-0.04	1.43e-04	0.0	7.68e-05
118	138	0.23	-2.12	-0.09	1.42e-03	0.0	-5.34e-05
118	139	-0.23	2.13	0.04	-1.43e-03	0.0	6.21e-05
118	145	2.30	-0.24	-0.04	1.58e-04	0.0	8.61e-05
118	170	0.26	-2.40	-0.09	1.61e-03	0.0	-6.09e-05
118	171	-0.25	2.41	0.04	-1.62e-03	0.0	6.97e-05
118	177	2.27	-0.21	-0.04	1.38e-04	0.0	8.71e-05
118	202	0.24	-2.45	-0.10	1.64e-03	0.0	-6.25e-05
118	203	-0.24	2.46	0.05	-1.66e-03	0.0	7.12e-05
118	209	2.66	-0.23	-0.04	1.50e-04	0.0	1.03e-04
118	234	0.28	-2.91	-0.11	1.95e-03	0.0	-7.52e-05
118	235	-0.27	2.92	0.06	-1.96e-03	0.0	8.39e-05
118	261	-0.11	-6.17e-03	-0.02	3.23e-06	0.0	4.87e-06
118	275	3.73e-03	0.29	-0.02	-1.33e-04	0.0	1.85e-04
118	280	4.29e-03	-0.08	-0.03	2.97e-05	0.0	-4.81e-05
118	298	3.76e-03	6.81e-03	-0.03	-6.78e-06	0.0	4.69e-06

118	304	-0.02	1.21e-03	-0.02	-1.85e-06	0.0	2.93e-06
118	307	3.67e-03	0.06	-0.02	-3.16e-05	0.0	4.04e-05
118	310	3.68e-03	6.27e-03	-0.03	-6.26e-06	0.0	4.37e-06
119	45	-0.05	-2.73e-03	-4.46e-03	5.33e-06	0.0	2.04e-06
119	67	2.36e-03	0.27	-7.77e-03	-4.38e-04	0.0	1.64e-04
119	76	3.41e-03	-0.07	-0.01	1.18e-04	0.0	-4.46e-05
119	113	0.62	-0.06	-0.02	1.28e-04	0.0	2.63e-05
119	118	0.54	-0.41	-0.03	8.25e-04	0.0	5.20e-06
119	139	-0.07	0.73	6.81e-03	-1.45e-03	0.0	2.98e-05
119	145	0.70	-0.07	-0.02	1.42e-04	0.0	2.95e-05
119	150	0.60	-0.47	-0.03	9.31e-04	0.0	5.62e-06
119	171	-0.08	0.82	8.49e-03	-1.64e-03	0.0	3.35e-05
119	177	0.69	-0.06	-0.02	1.23e-04	0.0	3.01e-05
119	182	0.59	-0.47	-0.03	9.34e-04	0.0	5.58e-06
119	203	-0.07	0.84	8.52e-03	-1.67e-03	0.0	3.41e-05
119	209	0.81	-0.07	-0.03	1.32e-04	0.0	3.57e-05
119	214	0.69	-0.55	-0.03	1.10e-03	0.0	6.28e-06
119	235	-0.09	0.99	0.01	-1.99e-03	0.0	4.02e-05
119	261	-0.03	-1.29e-03	-4.99e-03	2.39e-06	0.0	1.77e-06
119	275	1.73e-03	0.18	-5.79e-03	-2.92e-04	0.0	1.09e-04
119	280	2.43e-03	-0.05	-7.35e-03	7.82e-05	0.0	-2.97e-05
119	298	2.02e-03	2.85e-03	-6.56e-03	-6.21e-06	0.0	1.99e-06
119	303	5.42e-03	2.89e-03	-6.49e-03	-6.26e-06	0.0	1.77e-06
119	307	1.90e-03	0.04	-6.27e-03	-6.29e-05	0.0	2.33e-05
119	310	1.96e-03	2.63e-03	-6.43e-03	-5.73e-06	0.0	1.85e-06
120	1	0.0	0.0	0.0	-6.28e-06	0.0	0.0
120	113	0.0	0.0	0.0	1.29e-04	0.0	3.35e-06
120	145	0.0	0.0	0.0	1.42e-04	0.0	3.74e-06
120	177	0.0	0.0	0.0	1.23e-04	0.0	3.81e-06
120	209	0.0	0.0	0.0	1.32e-04	0.0	4.48e-06
120	241	0.0	0.0	0.0	-4.37e-06	0.0	0.0
120	297	0.0	0.0	0.0	-2.79e-06	0.0	0.0
120	309	0.0	0.0	0.0	-2.79e-06	0.0	0.0
121	45	-0.11	-5.39e-03	-8.42e-03	5.19e-06	0.0	3.91e-06
121	67	3.97e-03	0.49	-0.01	-3.48e-04	0.0	2.88e-04
121	76	5.25e-03	-0.13	-0.02	8.93e-05	0.0	-7.82e-05
121	113	1.29	-0.13	-0.04	1.27e-04	0.0	5.27e-05
121	118	1.11	-0.83	-0.05	8.24e-04	0.0	1.20e-05
121	139	-0.14	1.45	0.01	-1.45e-03	0.0	5.55e-05
121	145	1.45	-0.14	-0.05	1.41e-04	0.0	5.92e-05
121	150	1.25	-0.93	-0.05	9.29e-04	0.0	1.31e-05
121	171	-0.16	1.64	0.02	-1.64e-03	0.0	6.23e-05
121	177	1.44	-0.12	-0.05	1.22e-04	0.0	6.02e-05
121	182	1.23	-0.94	-0.05	9.33e-04	0.0	1.29e-05
121	203	-0.15	1.67	0.02	-1.67e-03	0.0	6.35e-05
121	209	1.68	-0.13	-0.05	1.31e-04	0.0	7.14e-05
121	214	1.43	-1.10	-0.06	1.10e-03	0.0	1.47e-05
121	235	-0.17	1.99	0.02	-1.99e-03	0.0	7.49e-05
121	261	-0.07	-2.48e-03	-9.48e-03	2.19e-06	0.0	3.34e-06
121	275	2.92e-03	0.32	-0.01	-2.32e-04	0.0	1.92e-04
121	280	3.77e-03	-0.09	-0.01	5.93e-05	0.0	-5.20e-05
121	298	3.20e-03	5.96e-03	-0.01	-6.77e-06	0.0	3.55e-06
121	304	-0.01	1.73e-03	-0.01	-2.08e-06	0.0	2.12e-06
121	307	3.06e-03	0.07	-0.01	-5.13e-05	0.0	4.10e-05
121	310	3.12e-03	5.50e-03	-0.01	-6.25e-06	0.0	3.30e-06
122	45	-0.17	-7.93e-03	-0.01	5.04e-06	0.0	5.59e-06
122	67	4.87e-03	0.64	-0.02	-2.31e-04	0.0	3.54e-04
122	76	5.60e-03	-0.17	-0.03	5.26e-05	0.0	-9.60e-05
122	113	2.09	-0.19	-0.06	1.26e-04	0.0	7.65e-05
122	118	1.79	-1.24	-0.07	8.21e-04	0.0	2.12e-05
122	139	-0.23	2.17	0.02	-1.45e-03	0.0	7.10e-05
122	145	2.34	-0.21	-0.07	1.39e-04	0.0	8.58e-05
122	150	2.01	-1.40	-0.08	9.26e-04	0.0	2.33e-05
122	171	-0.26	2.46	0.03	-1.64e-03	0.0	7.97e-05
122	177	2.32	-0.18	-0.07	1.20e-04	0.0	8.72e-05
122	182	1.98	-1.40	-0.08	9.30e-04	0.0	2.29e-05
122	203	-0.24	2.51	0.03	-1.67e-03	0.0	8.14e-05
122	209	2.72	-0.20	-0.08	1.29e-04	0.0	1.03e-04
122	214	2.31	-1.65	-0.09	1.10e-03	0.0	2.62e-05
122	235	-0.28	2.98	0.03	-1.98e-03	0.0	9.60e-05
122	261	-0.11	-3.51e-03	-0.01	1.95e-06	0.0	4.66e-06
122	275	3.61e-03	0.43	-0.02	-1.54e-04	0.0	2.36e-04
122	280	4.09e-03	-0.11	-0.02	3.48e-05	0.0	-6.38e-05
122	298	3.59e-03	9.49e-03	-0.02	-7.51e-06	0.0	4.53e-06
122	304	-0.02	2.84e-03	-0.02	-2.40e-06	0.0	2.78e-06

122	307	3.52e-03	0.09	-0.02	-3.63e-05	0.0	5.06e-05
122	310	3.52e-03	8.77e-03	-0.02	-6.93e-06	0.0	4.21e-06
123	18	0.03	7.25e-03	-7.91e-03	-1.48e-05	0.0	2.01e-06
123	45	-0.05	-1.67e-03	-2.52e-03	3.32e-06	0.0	1.92e-06
123	68	2.57e-03	0.36	-6.28e-03	-5.76e-04	0.0	1.56e-04
123	113	0.62	-0.06	-0.04	1.13e-04	0.0	2.57e-05
123	139	-0.07	0.74	8.40e-03	-1.48e-03	0.0	2.77e-05
123	145	0.70	-0.06	-0.04	1.25e-04	0.0	2.88e-05
123	171	-0.08	0.84	0.01	-1.67e-03	0.0	3.10e-05
123	177	0.69	-0.05	-0.04	1.05e-04	0.0	2.93e-05
123	203	-0.07	0.86	9.70e-03	-1.71e-03	0.0	3.15e-05
123	209	0.81	-0.06	-0.05	1.12e-04	0.0	3.47e-05
123	235	-0.09	1.02	0.01	-2.03e-03	0.0	3.72e-05
123	251	0.02	4.95e-03	-5.82e-03	-1.01e-05	0.0	1.39e-06
123	261	-0.03	-3.81e-04	-3.29e-03	0.0	0.0	1.63e-06
123	276	1.87e-03	0.24	-4.73e-03	-3.84e-04	0.0	1.04e-04
123	303	5.42e-03	3.77e-03	-5.13e-03	-7.71e-06	0.0	1.49e-06
123	307	1.90e-03	0.05	-4.92e-03	-8.26e-05	0.0	2.20e-05
123	310	1.95e-03	3.55e-03	-5.00e-03	-7.26e-06	0.0	1.57e-06
124	1	0.0	0.0	0.0	-7.18e-06	0.0	0.0
124	113	0.0	0.0	0.0	1.13e-04	0.0	3.28e-06
124	145	0.0	0.0	0.0	1.25e-04	0.0	3.66e-06
124	177	0.0	0.0	0.0	1.06e-04	0.0	3.73e-06
124	209	0.0	0.0	0.0	1.12e-04	0.0	4.39e-06
124	241	0.0	0.0	0.0	-5.02e-06	0.0	0.0
124	297	0.0	0.0	0.0	-3.69e-06	0.0	0.0
124	309	0.0	0.0	0.0	-3.69e-06	0.0	0.0
125	18	0.06	0.01	-0.02	-1.51e-05	0.0	3.57e-06
125	45	-0.11	-3.33e-03	-4.61e-03	3.30e-06	0.0	3.69e-06
125	68	4.33e-03	0.65	-0.01	-4.42e-04	0.0	2.75e-04
125	113	1.31	-0.11	-0.08	1.12e-04	0.0	5.19e-05
125	139	-0.15	1.48	0.02	-1.47e-03	0.0	5.25e-05
125	145	1.47	-0.13	-0.08	1.23e-04	0.0	5.83e-05
125	171	-0.16	1.67	0.02	-1.66e-03	0.0	5.90e-05
125	177	1.45	-0.11	-0.08	1.04e-04	0.0	5.92e-05
125	203	-0.15	1.71	0.02	-1.70e-03	0.0	6.00e-05
125	209	1.70	-0.11	-0.10	1.11e-04	0.0	7.01e-05
125	235	-0.18	2.03	0.02	-2.02e-03	0.0	7.08e-05
125	251	0.04	1.00e-02	-0.01	-1.03e-05	0.0	2.47e-06
125	261	-0.07	-7.34e-04	-6.16e-03	0.0	0.0	3.09e-06
125	276	3.16e-03	0.43	-9.03e-03	-2.95e-04	0.0	1.83e-04
125	303	0.01	7.62e-03	-9.83e-03	-7.90e-06	0.0	2.71e-06
125	304	-0.01	2.81e-03	-8.28e-03	-2.92e-06	0.0	1.86e-06
125	307	3.06e-03	0.09	-9.39e-03	-6.49e-05	0.0	3.88e-05
125	310	3.11e-03	7.18e-03	-9.56e-03	-7.45e-06	0.0	2.86e-06
126	18	0.09	0.02	-0.02	-1.56e-05	0.0	4.50e-06
126	45	-0.17	-4.97e-03	-6.49e-03	3.27e-06	0.0	5.37e-06
126	68	5.16e-03	0.84	-0.02	-2.63e-04	0.0	3.40e-04
126	113	2.11	-0.17	-0.11	1.10e-04	0.0	7.59e-05
126	139	-0.23	2.22	0.03	-1.46e-03	0.0	6.86e-05
126	145	2.37	-0.19	-0.13	1.21e-04	0.0	8.52e-05
126	171	-0.26	2.50	0.03	-1.65e-03	0.0	7.70e-05
126	177	2.35	-0.16	-0.12	1.02e-04	0.0	8.64e-05
126	203	-0.24	2.56	0.03	-1.69e-03	0.0	7.84e-05
126	209	2.75	-0.17	-0.14	1.08e-04	0.0	1.02e-04
126	235	-0.28	3.04	0.04	-2.00e-03	0.0	9.26e-05
126	251	0.06	0.02	-0.02	-1.07e-05	0.0	3.12e-06
126	261	-0.11	-1.05e-03	-8.83e-03	0.0	0.0	4.42e-06
126	276	3.79e-03	0.56	-0.01	-1.76e-04	0.0	2.27e-04
126	303	0.02	0.01	-0.01	-8.18e-06	0.0	3.56e-06
126	304	-0.02	4.28e-03	-0.01	-3.03e-06	0.0	2.54e-06
126	307	3.39e-03	0.12	-0.01	-4.12e-05	0.0	4.83e-05
126	310	3.38e-03	0.01	-0.01	-7.72e-06	0.0	3.79e-06
127	18	0.03	8.21e-03	-7.17e-03	-1.64e-05	0.0	1.73e-06
127	45	-0.05	-6.77e-04	4.38e-04	1.42e-06	0.0	1.85e-06
127	68	2.54e-03	0.44	-4.80e-03	-6.99e-04	0.0	1.48e-04
127	113	0.62	-0.05	-0.04	9.69e-05	0.0	2.56e-05
127	139	-0.07	0.76	0.01	-1.51e-03	0.0	2.62e-05
127	145	0.70	-0.05	-0.05	1.07e-04	0.0	2.87e-05
127	171	-0.08	0.86	0.01	-1.70e-03	0.0	2.94e-05
127	177	0.69	-0.04	-0.05	8.82e-05	0.0	2.91e-05
127	203	-0.07	0.87	0.01	-1.74e-03	0.0	2.97e-05
127	209	0.81	-0.05	-0.05	9.20e-05	0.0	3.45e-05
127	235	-0.09	1.04	0.02	-2.06e-03	0.0	3.51e-05
127	251	0.02	5.61e-03	-5.25e-03	-1.12e-05	0.0	1.19e-06

127	261	-0.03	4.52e-04	-9.74e-04	0.0	0.0	1.54e-06
127	276	1.84e-03	0.29	-3.67e-03	-4.66e-04	0.0	9.90e-05
127	303	5.37e-03	4.50e-03	-4.10e-03	-8.95e-06	0.0	1.32e-06
127	307	1.86e-03	0.06	-3.78e-03	-1.00e-04	0.0	2.09e-05
127	310	1.91e-03	4.32e-03	-3.82e-03	-8.59e-06	0.0	1.40e-06
128	1	0.0	0.0	0.0	-7.88e-06	0.0	0.0
128	113	0.0	0.0	0.0	9.74e-05	0.0	3.17e-06
128	145	0.0	0.0	0.0	1.08e-04	0.0	3.54e-06
128	177	0.0	0.0	0.0	8.87e-05	0.0	3.59e-06
128	209	0.0	0.0	0.0	9.25e-05	0.0	4.22e-06
128	241	0.0	0.0	0.0	-5.54e-06	0.0	0.0
128	297	0.0	0.0	0.0	-4.46e-06	0.0	0.0
128	309	0.0	0.0	0.0	-4.46e-06	0.0	0.0
129	18	0.06	0.02	-0.01	-1.63e-05	0.0	3.11e-06
129	45	-0.11	-1.37e-03	9.53e-04	1.45e-06	0.0	3.58e-06
129	68	4.31e-03	0.79	-8.97e-03	-5.26e-04	0.0	2.59e-04
129	113	1.31	-0.10	-0.09	9.55e-05	0.0	5.17e-05
129	139	-0.15	1.51	0.03	-1.49e-03	0.0	4.96e-05
129	145	1.48	-0.11	-0.10	1.05e-04	0.0	5.80e-05
129	171	-0.16	1.71	0.03	-1.69e-03	0.0	5.57e-05
129	177	1.46	-0.09	-0.10	8.68e-05	0.0	5.88e-05
129	203	-0.15	1.74	0.03	-1.72e-03	0.0	5.65e-05
129	209	1.71	-0.09	-0.12	9.04e-05	0.0	6.96e-05
129	235	-0.18	2.07	0.04	-2.05e-03	0.0	6.67e-05
129	251	0.04	0.01	-9.86e-03	-1.12e-05	0.0	2.16e-06
129	261	-0.07	8.89e-04	-1.73e-03	0.0	0.0	2.96e-06
129	276	3.14e-03	0.53	-6.85e-03	-3.51e-04	0.0	1.73e-04
129	303	0.01	8.98e-03	-7.68e-03	-8.93e-06	0.0	2.43e-06
129	304	-0.01	3.76e-03	-5.90e-03	-3.71e-06	0.0	1.71e-06
129	307	3.03e-03	0.11	-7.07e-03	-7.69e-05	0.0	3.65e-05
129	310	3.08e-03	8.63e-03	-7.16e-03	-8.57e-06	0.0	2.59e-06
130	18	0.09	0.02	-0.02	-1.63e-05	0.0	4.04e-06
130	45	-0.17	-2.09e-03	1.64e-03	1.48e-06	0.0	5.27e-06
130	68	5.05e-03	1.01	-0.01	-2.92e-04	0.0	3.19e-04
130	113	2.12	-0.15	-0.14	9.34e-05	0.0	7.57e-05
130	139	-0.23	2.25	0.04	-1.47e-03	0.0	6.50e-05
130	145	2.39	-0.16	-0.16	1.03e-04	0.0	8.49e-05
130	171	-0.26	2.55	0.05	-1.67e-03	0.0	7.30e-05
130	177	2.36	-0.13	-0.16	8.46e-05	0.0	8.60e-05
130	203	-0.25	2.60	0.05	-1.70e-03	0.0	7.42e-05
130	209	2.77	-0.14	-0.18	8.80e-05	0.0	1.02e-04
130	235	-0.28	3.09	0.06	-2.02e-03	0.0	8.76e-05
130	251	0.06	0.02	-0.01	-1.12e-05	0.0	2.81e-06
130	261	-0.11	1.30e-03	-2.31e-03	0.0	0.0	4.30e-06
130	276	3.71e-03	0.68	-9.79e-03	-1.95e-04	0.0	2.13e-04
130	303	0.01	0.01	-0.01	-8.92e-06	0.0	3.29e-06
130	304	-0.02	5.61e-03	-8.42e-03	-3.69e-06	0.0	2.40e-06
130	307	3.29e-03	0.15	-0.01	-4.56e-05	0.0	4.53e-05
130	310	3.27e-03	0.01	-0.01	-8.55e-06	0.0	3.52e-06
131	45	-0.05	3.03e-04	0.01	0.0	0.0	1.83e-06
131	47	-0.05	4.53e-03	0.01	-8.27e-06	0.0	2.93e-06
131	68	2.50e-03	0.52	-4.47e-03	-8.00e-04	0.0	1.67e-04
131	113	0.62	-0.04	-0.18	8.37e-05	0.0	2.56e-05
131	139	-0.07	0.77	0.02	-1.53e-03	0.0	2.57e-05
131	145	0.70	-0.05	-0.20	9.24e-05	0.0	2.87e-05
131	171	-0.08	0.87	0.02	-1.73e-03	0.0	2.89e-05
131	177	0.69	-0.04	-0.20	7.39e-05	0.0	2.91e-05
131	203	-0.07	0.89	0.02	-1.76e-03	0.0	2.92e-05
131	209	0.81	-0.04	-0.23	7.55e-05	0.0	3.45e-05
131	235	-0.08	1.06	0.02	-2.09e-03	0.0	3.45e-05
131	249	0.02	3.41e-03	-9.26e-03	-6.65e-06	0.0	0.0
131	261	-0.03	1.27e-03	8.01e-03	-2.15e-06	0.0	1.52e-06
131	276	1.82e-03	0.35	-3.44e-03	-5.34e-04	0.0	1.11e-04
131	302	4.96e-03	2.77e-03	-4.64e-03	-5.33e-06	0.0	0.0
131	304	-5.36e-03	2.36e-03	-1.19e-03	-4.46e-06	0.0	0.0
131	307	1.83e-03	0.07	-3.47e-03	-1.14e-04	0.0	2.33e-05
131	309	1.52e-03	2.63e-03	-3.49e-03	-5.04e-06	0.0	0.0
131	310	1.88e-03	5.05e-03	-3.48e-03	-9.66e-06	0.0	1.36e-06
132	1	0.0	0.0	0.0	-8.44e-06	0.0	0.0
132	113	0.0	0.0	0.0	8.42e-05	0.0	3.02e-06
132	145	0.0	0.0	0.0	9.29e-05	0.0	3.38e-06
132	177	0.0	0.0	0.0	7.44e-05	0.0	3.43e-06
132	209	0.0	0.0	0.0	7.60e-05	0.0	4.04e-06
132	241	0.0	0.0	0.0	-5.95e-06	0.0	0.0
132	297	0.0	0.0	0.0	-5.08e-06	0.0	0.0

132	309	0.0	0.0	0.0	-5.08e-06	0.0	0.0
133	45	-0.11	5.62e-04	0.02	0.0	0.0	3.56e-06
133	47	-0.11	8.93e-03	0.02	-8.03e-06	0.0	5.58e-06
133	68	4.28e-03	0.93	-8.05e-03	-5.94e-04	0.0	2.76e-04
133	113	1.32	-0.08	-0.32	8.22e-05	0.0	5.16e-05
133	139	-0.15	1.54	0.03	-1.51e-03	0.0	4.87e-05
133	145	1.48	-0.09	-0.36	9.07e-05	0.0	5.79e-05
133	171	-0.16	1.74	0.03	-1.71e-03	0.0	5.46e-05
133	177	1.46	-0.07	-0.36	7.24e-05	0.0	5.87e-05
133	203	-0.15	1.78	0.03	-1.75e-03	0.0	5.53e-05
133	209	1.71	-0.07	-0.42	7.38e-05	0.0	6.95e-05
133	235	-0.18	2.11	0.03	-2.07e-03	0.0	6.53e-05
133	249	0.04	6.76e-03	-0.02	-6.55e-06	0.0	0.0
133	261	-0.07	2.48e-03	0.01	-2.06e-06	0.0	2.93e-06
133	276	3.12e-03	0.62	-6.21e-03	-3.96e-04	0.0	1.84e-04
133	302	9.86e-03	5.49e-03	-8.33e-03	-5.24e-06	0.0	1.22e-06
133	304	-0.01	4.67e-03	-2.37e-03	-4.37e-06	0.0	1.68e-06
133	307	3.00e-03	0.13	-6.27e-03	-8.67e-05	0.0	3.88e-05
133	309	2.55e-03	5.21e-03	-6.34e-03	-4.95e-06	0.0	1.37e-06
133	310	3.05e-03	9.99e-03	-6.29e-03	-9.48e-06	0.0	2.53e-06
134	16	0.09	0.01	-0.03	-9.16e-06	0.0	1.20e-06
134	45	-0.17	7.67e-04	0.03	0.0	0.0	5.26e-06
134	68	4.99e-03	1.18	-0.01	-3.14e-04	0.0	3.35e-04
134	113	2.13	-0.12	-0.43	7.98e-05	0.0	7.57e-05
134	139	-0.23	2.29	0.04	-1.49e-03	0.0	6.38e-05
134	145	2.39	-0.14	-0.48	8.80e-05	0.0	8.49e-05
134	171	-0.26	2.59	0.04	-1.68e-03	0.0	7.16e-05
134	177	2.37	-0.11	-0.48	7.01e-05	0.0	8.59e-05
134	203	-0.25	2.65	0.04	-1.72e-03	0.0	7.27e-05
134	209	2.77	-0.11	-0.56	7.12e-05	0.0	1.02e-04
134	235	-0.28	3.14	0.05	-2.04e-03	0.0	8.58e-05
134	249	0.06	0.01	-0.02	-6.42e-06	0.0	0.0
134	261	-0.11	3.62e-03	0.02	-1.96e-06	0.0	4.27e-06
134	276	3.67e-03	0.79	-8.63e-03	-2.10e-04	0.0	2.23e-04
134	302	0.01	8.13e-03	-0.01	-5.12e-06	0.0	1.66e-06
134	304	-0.02	6.90e-03	-3.67e-03	-4.26e-06	0.0	2.38e-06
134	307	3.24e-03	0.17	-8.72e-03	-4.92e-05	0.0	4.74e-05
134	309	2.84e-03	7.72e-03	-8.87e-03	-4.83e-06	0.0	1.90e-06
134	310	3.22e-03	0.01	-8.75e-03	-9.25e-06	0.0	3.46e-06
135	47	-0.25	-5.52e-03	-0.04	0.0	0.0	1.08e-05
135	67	4.31e-03	0.52	-0.04	-1.44e-04	0.0	2.75e-04
135	76	3.32e-03	-0.13	-0.06	2.51e-05	0.0	-7.14e-05
135	113	3.05	-0.29	-0.06	1.41e-04	0.0	9.92e-05
135	138	0.34	-2.83	-0.12	1.43e-03	0.0	-5.93e-05
135	139	-0.33	2.85	0.05	-1.44e-03	0.0	6.85e-05
135	145	3.43	-0.32	-0.06	1.56e-04	0.0	1.11e-04
135	170	0.37	-3.20	-0.13	1.61e-03	0.0	-6.77e-05
135	171	-0.37	3.22	0.06	-1.63e-03	0.0	7.69e-05
135	177	3.40	-0.28	-0.06	1.36e-04	0.0	1.12e-04
135	202	0.35	-3.27	-0.13	1.65e-03	0.0	-6.95e-05
135	203	-0.35	3.29	0.06	-1.66e-03	0.0	7.87e-05
135	209	3.98	-0.30	-0.06	1.48e-04	0.0	1.33e-04
135	234	0.40	-3.89	-0.15	1.96e-03	0.0	-8.37e-05
135	235	-0.40	3.91	0.08	-1.97e-03	0.0	9.28e-05
135	263	-0.16	-1.71e-03	-0.03	-1.52e-06	0.0	8.22e-06
135	275	3.25e-03	0.35	-0.03	-9.60e-05	0.0	1.84e-04
135	280	2.60e-03	-0.09	-0.04	1.65e-05	0.0	-4.75e-05
135	298	2.53e-03	0.01	-0.03	-8.00e-06	0.0	4.92e-06
135	305	-0.03	7.39e-03	-0.03	-6.08e-06	0.0	5.24e-06
135	307	2.68e-03	0.08	-0.03	-2.50e-05	0.0	4.04e-05
135	309	2.56e-03	4.89e-03	-0.03	-3.65e-06	0.0	2.53e-06
135	310	2.53e-03	9.88e-03	-0.03	-7.38e-06	0.0	4.58e-06
136	43	-0.33	-1.33e-03	-0.06	-2.69e-06	0.0	1.28e-05
136	67	1.22e-03	0.58	-0.05	-9.07e-05	0.0	2.22e-04
136	76	-2.58e-03	-0.14	-0.07	7.63e-06	0.0	-5.62e-05
136	116	-4.07	0.39	-0.02	-1.55e-04	0.0	-1.12e-04
136	138	0.44	-3.55	-0.15	1.43e-03	0.0	-6.01e-05
136	139	-0.44	3.57	0.06	-1.44e-03	0.0	6.85e-05
136	148	-4.58	0.42	-0.01	-1.70e-04	0.0	-1.27e-04
136	170	0.49	-4.01	-0.16	1.61e-03	0.0	-6.86e-05
136	171	-0.49	4.04	0.07	-1.63e-03	0.0	7.70e-05
136	180	-4.53	0.38	-0.02	-1.51e-04	0.0	-1.28e-04
136	202	0.46	-4.10	-0.16	1.65e-03	0.0	-7.05e-05
136	203	-0.46	4.13	0.07	-1.66e-03	0.0	7.89e-05
136	212	-5.31	0.40	-0.01	-1.62e-04	0.0	-1.52e-04

136	234	0.52	-4.87	-0.18	1.96e-03	0.0	-8.48e-05
136	235	-0.52	4.89	0.10	-1.98e-03	0.0	9.31e-05
136	263	-0.22	-4.52e-04	-0.04	-1.99e-06	0.0	8.70e-06
136	275	1.05e-03	0.38	-0.04	-6.07e-05	0.0	1.48e-04
136	280	-1.49e-03	-0.09	-0.05	4.89e-06	0.0	-3.74e-05
136	298	-7.44e-04	0.02	-0.04	-8.63e-06	0.0	4.51e-06
136	305	-0.04	0.01	-0.04	-6.61e-06	0.0	5.02e-06
136	307	-2.39e-04	0.09	-0.04	-1.84e-05	0.0	3.29e-05
136	310	-5.98e-04	0.01	-0.04	-7.94e-06	0.0	4.19e-06
137	47	-0.25	4.12e-04	-0.02	-1.72e-06	0.0	1.06e-05
137	67	4.01e-03	0.72	-0.03	-1.07e-04	0.0	3.51e-04
137	76	2.98e-03	-0.19	-0.04	1.38e-05	0.0	-9.42e-05
137	113	3.05	-0.26	-0.08	1.24e-04	0.0	9.92e-05
137	118	2.62	-1.65	-0.10	8.18e-04	0.0	3.33e-05
137	139	-0.33	2.90	0.03	-1.44e-03	0.0	7.75e-05
137	145	3.43	-0.28	-0.09	1.37e-04	0.0	1.11e-04
137	150	2.94	-1.86	-0.11	9.22e-04	0.0	3.68e-05
137	171	-0.37	3.28	0.03	-1.63e-03	0.0	8.70e-05
137	177	3.40	-0.24	-0.09	1.18e-04	0.0	1.13e-04
137	182	2.90	-1.87	-0.11	9.26e-04	0.0	3.61e-05
137	203	-0.35	3.35	0.03	-1.67e-03	0.0	8.90e-05
137	209	3.98	-0.26	-0.10	1.27e-04	0.0	1.33e-04
137	214	3.38	-2.20	-0.12	1.09e-03	0.0	4.15e-05
137	235	-0.40	3.97	0.04	-1.98e-03	0.0	1.05e-04
137	263	-0.16	2.81e-03	-0.02	-2.69e-06	0.0	8.10e-06
137	275	3.03e-03	0.48	-0.02	-7.19e-05	0.0	2.34e-04
137	280	2.34e-03	-0.12	-0.03	8.95e-06	0.0	-6.26e-05
137	298	2.28e-03	0.01	-0.02	-8.22e-06	0.0	4.89e-06
137	305	-0.03	0.01	-0.02	-6.48e-06	0.0	5.19e-06
137	307	2.44e-03	0.11	-0.02	-2.03e-05	0.0	5.04e-05
137	309	2.32e-03	6.29e-03	-0.02	-3.77e-06	0.0	2.48e-06
137	310	2.29e-03	0.01	-0.02	-7.58e-06	0.0	4.55e-06
138	43	-0.33	5.76e-03	-0.04	-4.35e-06	0.0	1.32e-05
138	67	9.13e-04	0.74	-0.04	6.71e-06	0.0	2.80e-04
138	76	-2.79e-03	-0.18	-0.05	-2.18e-05	0.0	-7.28e-05
138	116	-4.03	0.35	0.04	-1.38e-04	0.0	-1.12e-04
138	118	3.45	-2.06	-0.12	8.13e-04	0.0	4.85e-05
138	139	-0.43	3.62	0.03	-1.44e-03	0.0	7.51e-05
138	148	-4.53	0.38	0.05	-1.51e-04	0.0	-1.27e-04
138	150	3.88	-2.32	-0.13	9.17e-04	0.0	5.38e-05
138	171	-0.48	4.09	0.04	-1.62e-03	0.0	8.44e-05
138	180	-4.48	0.33	0.05	-1.32e-04	0.0	-1.28e-04
138	182	3.82	-2.33	-0.13	9.21e-04	0.0	5.27e-05
138	203	-0.45	4.18	0.04	-1.66e-03	0.0	8.64e-05
138	212	-5.25	0.36	0.06	-1.40e-04	0.0	-1.53e-04
138	214	4.45	-2.75	-0.15	1.09e-03	0.0	6.09e-05
138	235	-0.51	4.96	0.05	-1.97e-03	0.0	1.02e-04
138	263	-0.22	4.35e-03	-0.03	-3.12e-06	0.0	8.97e-06
138	275	8.02e-04	0.49	-0.03	4.25e-06	0.0	1.87e-04
138	280	-1.67e-03	-0.12	-0.04	-1.48e-05	0.0	-4.84e-05
138	298	-9.63e-04	0.02	-0.03	-8.76e-06	0.0	4.87e-06
138	305	-0.04	0.01	-0.03	-6.94e-06	0.0	5.35e-06
138	307	-4.71e-04	0.11	-0.03	-5.47e-06	0.0	4.09e-05
138	310	-8.24e-04	0.02	-0.03	-8.07e-06	0.0	4.53e-06
139	18	0.13	0.03	-0.03	-1.62e-05	0.0	4.74e-06
139	47	-0.25	6.13e-03	-0.01	-3.68e-06	0.0	1.03e-05
139	68	4.21e-03	0.92	-0.02	-7.12e-05	0.0	3.37e-04
139	113	3.05	-0.22	-0.15	1.07e-04	0.0	9.90e-05
139	139	-0.33	2.94	0.03	-1.45e-03	0.0	7.53e-05
139	145	3.43	-0.25	-0.17	1.19e-04	0.0	1.11e-04
139	171	-0.37	3.33	0.04	-1.64e-03	0.0	8.46e-05
139	177	3.40	-0.21	-0.16	1.00e-04	0.0	1.12e-04
139	203	-0.35	3.40	0.04	-1.67e-03	0.0	8.63e-05
139	209	3.98	-0.22	-0.19	1.06e-04	0.0	1.33e-04
139	235	-0.40	4.03	0.05	-1.98e-03	0.0	1.02e-04
139	251	0.09	0.02	-0.02	-1.10e-05	0.0	3.31e-06
139	263	-0.17	7.16e-03	-0.01	-4.10e-06	0.0	7.86e-06
139	276	3.13e-03	0.61	-0.02	-4.77e-05	0.0	2.25e-04
139	303	0.02	0.02	-0.02	-8.47e-06	0.0	4.01e-06
139	305	-0.03	0.01	-0.02	-7.10e-06	0.0	4.97e-06
139	307	2.23e-03	0.13	-0.02	-1.58e-05	0.0	4.83e-05
139	309	2.13e-03	7.61e-03	-0.02	-4.06e-06	0.0	2.39e-06
139	310	2.08e-03	0.01	-0.02	-8.02e-06	0.0	4.33e-06
140	18	0.16	0.04	-0.04	-1.67e-05	0.0	4.46e-06
140	43	-0.33	0.01	-0.02	-6.14e-06	0.0	1.32e-05

140	68	1.01e-03	0.89	-0.03	1.04e-04	0.0	2.67e-04
140	113	4.00	-0.28	-0.19	1.05e-04	0.0	1.21e-04
140	116	-4.00	0.31	0.14	-1.22e-04	0.0	-1.12e-04
140	139	-0.43	3.66	0.04	-1.43e-03	0.0	7.32e-05
140	145	4.50	-0.31	-0.21	1.16e-04	0.0	1.36e-04
140	148	-4.50	0.34	0.16	-1.33e-04	0.0	-1.27e-04
140	171	-0.48	4.14	0.05	-1.62e-03	0.0	8.22e-05
140	177	4.45	-0.26	-0.21	9.76e-05	0.0	1.37e-04
140	180	-4.46	0.30	0.16	-1.14e-04	0.0	-1.28e-04
140	203	-0.45	4.23	0.05	-1.66e-03	0.0	8.41e-05
140	209	5.22	-0.27	-0.24	1.03e-04	0.0	1.62e-04
140	212	-5.22	0.31	0.19	-1.20e-04	0.0	-1.52e-04
140	235	-0.51	5.02	0.06	-1.97e-03	0.0	9.92e-05
140	251	0.11	0.03	-0.03	-1.14e-05	0.0	3.14e-06
140	263	-0.22	9.29e-03	-0.02	-4.35e-06	0.0	9.01e-06
140	276	8.37e-04	0.60	-0.02	6.89e-05	0.0	1.78e-04
140	303	0.02	0.02	-0.02	-8.75e-06	0.0	4.17e-06
140	305	-0.04	0.02	-0.02	-7.36e-06	0.0	5.40e-06
140	307	-6.76e-04	0.13	-0.02	7.30e-06	0.0	3.92e-05
140	310	-1.03e-03	0.02	-0.02	-8.29e-06	0.0	4.58e-06
141	18	0.13	0.03	-0.03	-1.63e-05	0.0	4.42e-06
141	47	-0.25	0.01	1.71e-03	-5.73e-06	0.0	1.01e-05
141	68	4.01e-03	1.09	-0.02	-3.89e-05	0.0	3.16e-04
141	113	3.05	-0.19	-0.19	9.07e-05	0.0	9.88e-05
141	139	-0.33	2.99	0.06	-1.45e-03	0.0	7.18e-05
141	145	3.43	-0.21	-0.22	1.00e-04	0.0	1.11e-04
141	171	-0.37	3.38	0.07	-1.64e-03	0.0	8.07e-05
141	177	3.40	-0.17	-0.22	8.20e-05	0.0	1.12e-04
141	203	-0.35	3.45	0.07	-1.68e-03	0.0	8.22e-05
141	209	3.98	-0.18	-0.25	8.51e-05	0.0	1.32e-04
141	235	-0.40	4.09	0.08	-1.99e-03	0.0	9.70e-05
141	251	0.09	0.02	-0.02	-1.12e-05	0.0	3.10e-06
141	263	-0.17	0.01	-3.28e-03	-5.60e-06	0.0	7.68e-06
141	276	2.99e-03	0.73	-0.01	-2.62e-05	0.0	2.11e-04
141	303	0.02	0.02	-0.01	-8.92e-06	0.0	3.83e-06
141	305	-0.03	0.02	-0.01	-7.82e-06	0.0	4.79e-06
141	307	2.08e-03	0.16	-0.01	-1.19e-05	0.0	4.54e-05
141	309	1.99e-03	8.89e-03	-0.01	-4.42e-06	0.0	2.32e-06
141	310	1.92e-03	0.02	-0.01	-8.55e-06	0.0	4.15e-06
142	18	0.16	0.04	-0.03	-1.64e-05	0.0	4.28e-06
142	43	-0.33	0.02	-3.05e-03	-7.99e-06	0.0	1.31e-05
142	68	7.70e-04	1.03	-0.02	1.90e-04	0.0	2.51e-04
142	113	3.99	-0.24	-0.25	8.81e-05	0.0	1.21e-04
142	116	-3.99	0.28	0.22	-1.05e-04	0.0	-1.12e-04
142	139	-0.43	3.71	0.08	-1.43e-03	0.0	7.06e-05
142	145	4.49	-0.26	-0.28	9.73e-05	0.0	1.36e-04
142	148	-4.49	0.30	0.25	-1.14e-04	0.0	-1.27e-04
142	171	-0.48	4.19	0.09	-1.62e-03	0.0	7.92e-05
142	177	4.44	-0.21	-0.28	7.94e-05	0.0	1.37e-04
142	180	-4.44	0.26	0.24	-9.65e-05	0.0	-1.28e-04
142	203	-0.45	4.28	0.09	-1.65e-03	0.0	8.09e-05
142	209	5.20	-0.22	-0.32	8.21e-05	0.0	1.61e-04
142	212	-5.20	0.27	0.29	-9.93e-05	0.0	-1.52e-04
142	235	-0.51	5.08	0.11	-1.96e-03	0.0	9.56e-05
142	251	0.11	0.03	-0.02	-1.12e-05	0.0	3.03e-06
142	263	-0.22	0.01	-4.06e-03	-5.61e-06	0.0	8.92e-06
142	276	6.51e-04	0.69	-0.02	1.26e-04	0.0	1.67e-04
142	303	0.02	0.02	-0.02	-8.94e-06	0.0	4.08e-06
142	305	-0.04	0.02	-0.01	-7.84e-06	0.0	5.31e-06
142	307	-8.64e-04	0.15	-0.02	1.85e-05	0.0	3.69e-05
142	310	-1.22e-03	0.02	-0.02	-8.57e-06	0.0	4.49e-06
143	16	0.13	0.02	-0.04	-8.98e-06	0.0	1.18e-06
143	47	-0.25	0.02	0.03	-7.46e-06	0.0	1.01e-05
143	68	3.92e-03	1.26	-0.01	-1.24e-05	0.0	3.32e-04
143	113	3.05	-0.16	-0.50	7.70e-05	0.0	9.87e-05
143	139	-0.33	3.03	0.04	-1.46e-03	0.0	7.06e-05
143	145	3.43	-0.18	-0.56	8.48e-05	0.0	1.11e-04
143	171	-0.37	3.42	0.05	-1.65e-03	0.0	7.92e-05
143	177	3.40	-0.14	-0.56	6.72e-05	0.0	1.12e-04
143	203	-0.35	3.50	0.05	-1.69e-03	0.0	8.07e-05
143	209	3.98	-0.14	-0.65	6.80e-05	0.0	1.32e-04
143	235	-0.40	4.15	0.05	-2.00e-03	0.0	9.52e-05
143	249	0.09	0.01	-0.03	-6.29e-06	0.0	0.0
143	263	-0.17	0.02	0.02	-6.87e-06	0.0	7.62e-06
143	276	2.92e-03	0.84	-0.01	-8.56e-06	0.0	2.21e-04

143	302	0.02	0.01	-0.01	-5.01e-06	0.0	1.98e-06
143	305	-0.03	0.02	-5.16e-03	-8.45e-06	0.0	4.74e-06
143	307	2.00e-03	0.18	-0.01	-8.76e-06	0.0	4.75e-05
143	309	1.91e-03	0.01	-0.01	-4.73e-06	0.0	2.30e-06
143	310	1.84e-03	0.02	-0.01	-9.02e-06	0.0	4.10e-06
144	16	0.16	0.02	-0.04	-8.83e-06	0.0	0.0
144	43	-0.33	0.03	0.03	-9.56e-06	0.0	1.31e-05
144	68	5.99e-04	1.17	-0.02	2.60e-04	0.0	2.67e-04
144	113	3.99	-0.20	-0.54	7.42e-05	0.0	1.21e-04
144	116	-3.99	0.25	0.51	-9.18e-05	0.0	-1.12e-04
144	139	-0.43	3.75	0.04	-1.43e-03	0.0	6.96e-05
144	145	4.48	-0.22	-0.60	8.17e-05	0.0	1.36e-04
144	148	-4.49	0.27	0.57	-9.94e-05	0.0	-1.27e-04
144	171	-0.48	4.24	0.05	-1.62e-03	0.0	7.81e-05
144	177	4.44	-0.17	-0.60	6.44e-05	0.0	1.36e-04
144	180	-4.44	0.22	0.57	-8.20e-05	0.0	-1.28e-04
144	203	-0.45	4.33	0.05	-1.66e-03	0.0	7.98e-05
144	209	5.20	-0.18	-0.70	6.49e-05	0.0	1.61e-04
144	212	-5.20	0.22	0.67	-8.25e-05	0.0	-1.52e-04
144	235	-0.51	5.14	0.05	-1.96e-03	0.0	9.42e-05
144	249	0.11	0.02	-0.03	-6.19e-06	0.0	0.0
144	263	-0.22	0.02	0.02	-6.68e-06	0.0	8.88e-06
144	276	5.20e-04	0.78	-0.01	1.73e-04	0.0	1.78e-04
144	302	0.02	0.01	-0.02	-4.93e-06	0.0	2.16e-06
144	305	-0.04	0.02	-7.71e-03	-8.26e-06	0.0	5.28e-06
144	307	-9.99e-04	0.17	-0.01	2.77e-05	0.0	3.91e-05
144	309	-5.40e-04	0.01	-0.01	-4.64e-06	0.0	2.57e-06
144	310	-1.35e-03	0.02	-0.01	-8.83e-06	0.0	4.45e-06
145	43	-0.40	1.39e-04	-0.08	-2.60e-06	0.0	1.38e-05
145	67	-3.11e-03	0.60	-0.07	-5.10e-05	0.0	1.38e-04
145	76	-9.44e-03	-0.14	-0.10	-4.58e-06	0.0	-3.14e-05
145	116	-4.80	0.46	-0.03	-1.54e-04	0.0	-1.32e-04
145	138	0.50	-4.19	-0.18	1.43e-03	0.0	-5.46e-05
145	139	-0.51	4.23	0.06	-1.44e-03	0.0	6.27e-05
145	148	-5.40	0.50	-0.02	-1.69e-04	0.0	-1.49e-04
145	170	0.56	-4.74	-0.19	1.61e-03	0.0	-6.24e-05
145	171	-0.57	4.77	0.08	-1.63e-03	0.0	7.05e-05
145	180	-5.35	0.44	-0.03	-1.49e-04	0.0	-1.50e-04
145	202	0.53	-4.84	-0.19	1.65e-03	0.0	-6.41e-05
145	203	-0.54	4.88	0.08	-1.67e-03	0.0	7.22e-05
145	212	-6.26	0.48	-0.02	-1.61e-04	0.0	-1.78e-04
145	234	0.60	-5.75	-0.22	1.96e-03	0.0	-7.71e-05
145	235	-0.61	5.79	0.11	-1.98e-03	0.0	8.52e-05
145	263	-0.27	6.15e-04	-0.06	-1.90e-06	0.0	9.38e-06
145	275	-2.13e-03	0.40	-0.05	-3.42e-05	0.0	9.20e-05
145	280	-6.35e-03	-0.09	-0.07	-3.22e-06	0.0	-2.08e-05
145	298	-4.88e-03	0.02	-0.06	-8.68e-06	0.0	4.34e-06
145	305	-0.06	0.01	-0.06	-6.60e-06	0.0	5.05e-06
145	307	-4.06e-03	0.09	-0.06	-1.31e-05	0.0	2.16e-05
145	310	-4.61e-03	0.02	-0.06	-7.95e-06	0.0	4.04e-06
146	43	-0.46	1.04e-03	-0.11	-9.74e-05	0.0	2.12e-05
146	67	-7.71e-03	0.59	-0.09	-4.16e-04	0.0	6.01e-05
146	76	-0.02	-0.13	-0.14	-3.71e-05	0.0	0.0
146	116	-5.43	0.52	-0.05	-2.04e-04	0.0	-1.49e-04
146	138	0.56	-4.83	-0.22	1.36e-03	0.0	-4.56e-05
146	139	-0.58	4.87	0.06	-1.50e-03	0.0	6.14e-05
146	148	-6.11	0.58	-0.04	-2.18e-04	0.0	-1.69e-04
146	170	0.63	-5.46	-0.23	1.55e-03	0.0	-5.27e-05
146	171	-0.64	5.51	0.07	-1.69e-03	0.0	6.85e-05
146	180	-6.05	0.51	-0.04	-1.99e-04	0.0	-1.69e-04
146	202	0.58	-5.58	-0.24	1.58e-03	0.0	-5.40e-05
146	203	-0.60	5.62	0.08	-1.72e-03	0.0	6.98e-05
146	212	-7.08	0.55	-0.04	-2.08e-04	0.0	-2.02e-04
146	234	0.66	-6.63	-0.27	1.89e-03	0.0	-6.58e-05
146	235	-0.68	6.67	0.10	-2.03e-03	0.0	8.16e-05
146	263	-0.31	1.26e-03	-0.08	-6.83e-05	0.0	1.45e-05
146	275	-5.50e-03	0.40	-0.07	-2.81e-04	0.0	4.04e-05
146	280	-0.01	-0.08	-0.10	-2.82e-05	0.0	0.0
146	298	-9.31e-03	0.02	-0.08	-7.33e-05	0.0	8.42e-06
146	305	-0.07	0.02	-0.08	-6.82e-05	0.0	9.15e-06
146	307	-8.15e-03	0.10	-0.08	-1.11e-04	0.0	1.43e-05
146	310	-8.91e-03	0.02	-0.08	-6.92e-05	0.0	7.93e-06
147	43	-0.40	7.91e-03	-0.05	-4.73e-06	0.0	1.45e-05
147	67	-3.33e-03	0.70	-0.05	8.81e-05	0.0	1.70e-04
147	76	-9.60e-03	-0.16	-0.07	-4.70e-05	0.0	-3.99e-05

147	116	-4.78	0.41	0.04	-1.37e-04	0.0	-1.32e-04
147	118	4.09	-2.42	-0.15	8.09e-04	0.0	6.58e-05
147	139	-0.51	4.26	0.03	-1.43e-03	0.0	6.62e-05
147	148	-5.37	0.45	0.05	-1.50e-04	0.0	-1.49e-04
147	150	4.59	-2.73	-0.16	9.13e-04	0.0	7.32e-05
147	171	-0.57	4.82	0.04	-1.62e-03	0.0	7.44e-05
147	180	-5.32	0.39	0.05	-1.31e-04	0.0	-1.50e-04
147	182	4.52	-2.74	-0.16	9.17e-04	0.0	7.16e-05
147	203	-0.53	4.92	0.04	-1.65e-03	0.0	7.62e-05
147	212	-6.23	0.42	0.07	-1.39e-04	0.0	-1.79e-04
147	214	5.27	-3.23	-0.18	1.08e-03	0.0	8.30e-05
147	235	-0.61	5.84	0.05	-1.96e-03	0.0	8.99e-05
147	263	-0.27	5.89e-03	-0.04	-3.38e-06	0.0	9.85e-06
147	275	-2.30e-03	0.47	-0.04	5.85e-05	0.0	1.13e-04
147	280	-6.48e-03	-0.11	-0.05	-3.16e-05	0.0	-2.64e-05
147	298	-5.02e-03	0.02	-0.04	-9.08e-06	0.0	4.91e-06
147	305	-0.06	0.02	-0.04	-7.22e-06	0.0	5.58e-06
147	307	-4.21e-03	0.11	-0.04	5.16e-06	0.0	2.63e-05
147	310	-4.76e-03	0.02	-0.04	-8.37e-06	0.0	4.59e-06
148	43	-0.46	0.01	-0.07	-1.15e-04	0.0	2.13e-05
148	68	-7.60e-03	0.60	-0.07	-6.34e-04	0.0	7.46e-05
148	76	-0.02	-0.12	-0.10	0.0	0.0	-3.00e-06
148	116	-5.44	0.47	0.04	-2.05e-04	0.0	-1.50e-04
148	118	4.64	-2.78	-0.18	7.71e-04	0.0	8.49e-05
148	139	-0.58	4.91	0.02	-1.58e-03	0.0	6.63e-05
148	148	-6.11	0.52	0.05	-2.17e-04	0.0	-1.70e-04
148	150	5.21	-3.14	-0.19	8.80e-04	0.0	9.42e-05
148	171	-0.64	5.54	0.03	-1.78e-03	0.0	7.40e-05
148	180	-6.05	0.45	0.05	-1.98e-04	0.0	-1.70e-04
148	182	5.13	-3.15	-0.19	8.85e-04	0.0	9.22e-05
148	203	-0.60	5.66	0.03	-1.81e-03	0.0	7.56e-05
148	212	-7.09	0.48	0.06	-2.05e-04	0.0	-2.03e-04
148	214	5.99	-3.72	-0.21	1.06e-03	0.0	1.07e-04
148	235	-0.68	6.72	0.05	-2.14e-03	0.0	8.85e-05
148	263	-0.31	7.56e-03	-0.05	-8.03e-05	0.0	1.46e-05
148	276	-5.42e-03	0.40	-0.05	-4.27e-04	0.0	5.01e-05
148	280	-0.01	-0.08	-0.07	-3.90e-06	0.0	-1.62e-06
148	298	-9.20e-03	0.03	-0.06	-8.49e-05	0.0	8.62e-06
148	305	-0.07	0.02	-0.06	-7.91e-05	0.0	9.29e-06
148	307	-8.07e-03	0.10	-0.06	-1.47e-04	0.0	1.63e-05
148	310	-8.80e-03	0.02	-0.06	-8.01e-05	0.0	8.10e-06
149	18	0.19	0.05	-0.05	-1.70e-05	0.0	3.93e-06
149	43	-0.40	0.02	-0.03	-6.40e-06	0.0	1.46e-05
149	68	-3.30e-03	0.79	-0.04	2.25e-04	0.0	1.62e-04
149	113	4.76	-0.32	-0.22	1.03e-04	0.0	1.41e-04
149	116	-4.77	0.37	0.16	-1.20e-04	0.0	-1.32e-04
149	139	-0.51	4.31	0.05	-1.42e-03	0.0	6.57e-05
149	145	5.35	-0.36	-0.25	1.14e-04	0.0	1.59e-04
149	148	-5.36	0.40	0.18	-1.31e-04	0.0	-1.49e-04
149	171	-0.57	4.86	0.05	-1.61e-03	0.0	7.37e-05
149	177	5.29	-0.30	-0.24	9.59e-05	0.0	1.59e-04
149	180	-5.30	0.35	0.18	-1.13e-04	0.0	-1.50e-04
149	203	-0.53	4.97	0.05	-1.64e-03	0.0	7.55e-05
149	209	6.20	-0.32	-0.28	1.01e-04	0.0	1.88e-04
149	212	-6.21	0.36	0.22	-1.18e-04	0.0	-1.78e-04
149	235	-0.60	5.90	0.07	-1.95e-03	0.0	8.90e-05
149	251	0.13	0.03	-0.04	-1.16e-05	0.0	2.82e-06
149	263	-0.27	0.01	-0.02	-4.52e-06	0.0	9.92e-06
149	276	-2.30e-03	0.53	-0.03	1.50e-04	0.0	1.08e-04
149	303	0.02	0.02	-0.03	-8.95e-06	0.0	4.17e-06
149	305	-0.06	0.02	-0.03	-7.55e-06	0.0	5.65e-06
149	307	-4.38e-03	0.12	-0.03	2.33e-05	0.0	2.52e-05
149	310	-4.92e-03	0.02	-0.03	-8.48e-06	0.0	4.66e-06
150	18	0.21	0.05	-0.07	-1.51e-04	0.0	8.30e-06
150	43	-0.46	0.02	-0.04	-1.33e-04	0.0	2.09e-05
150	68	-7.63e-03	0.60	-0.06	-8.51e-04	0.0	6.05e-05
150	113	5.43	-0.37	-0.27	2.50e-05	0.0	1.66e-04
150	116	-5.45	0.42	0.18	-2.08e-04	0.0	-1.50e-04
150	139	-0.58	4.94	0.04	-1.67e-03	0.0	6.84e-05
150	145	6.11	-0.41	-0.29	3.63e-05	0.0	1.86e-04
150	148	-6.12	0.46	0.20	-2.19e-04	0.0	-1.70e-04
150	171	-0.65	5.58	0.05	-1.88e-03	0.0	7.64e-05
150	177	6.05	-0.34	-0.29	1.63e-05	0.0	1.87e-04
150	180	-6.06	0.40	0.20	-1.99e-04	0.0	-1.71e-04
150	203	-0.60	5.71	0.05	-1.92e-03	0.0	7.82e-05

150	209	7.08	-0.36	-0.33	2.13e-05	0.0	2.19e-04
150	212	-7.10	0.42	0.24	-2.04e-04	0.0	-2.04e-04
150	235	-0.68	6.77	0.07	-2.27e-03	0.0	9.16e-05
150	251	0.14	0.04	-0.05	-1.05e-04	0.0	5.91e-06
150	263	-0.31	0.01	-0.03	-9.28e-05	0.0	1.43e-05
150	276	-5.44e-03	0.40	-0.04	-5.72e-04	0.0	4.07e-05
150	303	0.02	0.03	-0.05	-9.18e-05	0.0	7.28e-06
150	305	-0.07	0.02	-0.04	-9.05e-05	0.0	9.06e-06
150	307	-7.99e-03	0.10	-0.04	-1.85e-04	0.0	1.42e-05
150	310	-8.70e-03	0.03	-0.04	-9.14e-05	0.0	7.87e-06
151	18	0.19	0.05	-0.04	-1.64e-05	0.0	3.81e-06
151	43	-0.40	0.02	-4.33e-03	-8.02e-06	0.0	1.45e-05
151	68	-3.61e-03	0.87	-0.03	3.45e-04	0.0	1.51e-04
151	113	4.75	-0.28	-0.31	8.63e-05	0.0	1.41e-04
151	116	-4.76	0.33	0.26	-1.04e-04	0.0	-1.32e-04
151	139	-0.51	4.35	0.10	-1.42e-03	0.0	6.45e-05
151	145	5.34	-0.30	-0.34	9.53e-05	0.0	1.59e-04
151	148	-5.35	0.36	0.30	-1.12e-04	0.0	-1.49e-04
151	171	-0.57	4.91	0.11	-1.60e-03	0.0	7.25e-05
151	177	5.29	-0.25	-0.34	7.75e-05	0.0	1.59e-04
151	180	-5.30	0.30	0.30	-9.47e-05	0.0	-1.50e-04
151	203	-0.53	5.02	0.11	-1.64e-03	0.0	7.42e-05
151	209	6.19	-0.26	-0.39	8.01e-05	0.0	1.88e-04
151	212	-6.20	0.31	0.35	-9.73e-05	0.0	-1.79e-04
151	235	-0.60	5.96	0.13	-1.94e-03	0.0	8.75e-05
151	251	0.12	0.03	-0.03	-1.12e-05	0.0	2.74e-06
151	263	-0.27	0.02	-5.46e-03	-5.63e-06	0.0	9.84e-06
151	276	-2.54e-03	0.58	-0.02	2.30e-04	0.0	1.01e-04
151	303	0.02	0.03	-0.02	-8.96e-06	0.0	4.10e-06
151	305	-0.06	0.02	-0.02	-7.86e-06	0.0	5.58e-06
151	307	-4.60e-03	0.14	-0.02	3.92e-05	0.0	2.38e-05
151	310	-5.14e-03	0.03	-0.02	-8.60e-06	0.0	4.60e-06
152	18	0.21	0.06	-0.06	-1.66e-04	0.0	6.99e-06
152	43	-0.47	0.03	-8.19e-03	-1.48e-04	0.0	1.95e-05
152	68	-7.65e-03	0.61	-0.04	-1.02e-03	0.0	-4.46e-05
152	113	5.44	-0.31	-0.37	9.43e-06	0.0	1.65e-04
152	116	-5.46	0.37	0.31	-2.11e-04	0.0	-1.51e-04
152	139	-0.58	4.98	0.01	-1.76e-03	0.0	6.82e-05
152	145	6.12	-0.35	-0.41	1.99e-05	0.0	1.86e-04
152	148	-6.13	0.40	0.35	-2.22e-04	0.0	-1.71e-04
152	171	-0.65	5.62	0.02	-1.98e-03	0.0	7.63e-05
152	177	6.06	-0.28	-0.41	0.0	0.0	1.86e-04
152	180	-6.07	0.34	0.35	-2.02e-04	0.0	-1.72e-04
152	203	-0.61	5.75	0.02	-2.03e-03	0.0	7.80e-05
152	209	7.09	-0.30	-0.47	3.00e-06	0.0	2.19e-04
152	212	-7.11	0.35	0.42	-2.05e-04	0.0	-2.05e-04
152	235	-0.69	6.82	0.02	-2.39e-03	0.0	9.16e-05
152	251	0.14	0.04	-0.04	-1.16e-04	0.0	5.00e-06
152	263	-0.31	0.02	-9.03e-03	-1.03e-04	0.0	1.34e-05
152	276	-5.44e-03	0.41	-0.03	-6.85e-04	0.0	-2.94e-05
152	303	0.02	0.03	-0.03	-1.01e-04	0.0	6.45e-06
152	305	-0.07	0.03	-0.03	-1.00e-04	0.0	8.21e-06
152	307	-7.89e-03	0.10	-0.03	-2.15e-04	0.0	0.0
152	310	-8.58e-03	0.03	-0.03	-1.01e-04	0.0	7.04e-06
153	16	0.19	0.03	-0.05	-8.74e-06	0.0	0.0
153	43	-0.40	0.03	0.02	-9.39e-06	0.0	1.44e-05
153	68	-3.92e-03	0.95	-0.02	4.43e-04	0.0	1.63e-04
153	113	4.75	-0.23	-0.54	7.22e-05	0.0	1.41e-04
153	116	-4.76	0.29	0.50	-8.96e-05	0.0	-1.32e-04
153	139	-0.51	4.38	0.04	-1.41e-03	0.0	6.41e-05
153	145	5.34	-0.25	-0.60	7.95e-05	0.0	1.59e-04
153	148	-5.35	0.31	0.57	-9.69e-05	0.0	-1.49e-04
153	171	-0.57	4.95	0.05	-1.60e-03	0.0	7.20e-05
153	177	5.28	-0.20	-0.60	6.24e-05	0.0	1.59e-04
153	180	-5.30	0.26	0.56	-7.98e-05	0.0	-1.50e-04
153	203	-0.53	5.07	0.04	-1.63e-03	0.0	7.37e-05
153	209	6.19	-0.20	-0.70	6.27e-05	0.0	1.88e-04
153	212	-6.20	0.26	0.66	-8.01e-05	0.0	-1.79e-04
153	235	-0.60	6.01	0.05	-1.94e-03	0.0	8.69e-05
153	249	0.13	0.02	-0.03	-6.13e-06	0.0	0.0
153	263	-0.27	0.02	0.01	-6.57e-06	0.0	9.81e-06
153	276	-2.77e-03	0.64	-0.02	2.95e-04	0.0	1.09e-04
153	302	0.02	0.02	-0.02	-4.88e-06	0.0	2.23e-06
153	305	-0.06	0.03	-0.01	-8.14e-06	0.0	5.55e-06
153	307	-4.84e-03	0.15	-0.02	5.22e-05	0.0	2.53e-05

153	309	-3.80e-03	0.01	-0.02	-4.59e-06	0.0	2.72e-06
153	310	-5.38e-03	0.03	-0.02	-8.71e-06	0.0	4.57e-06
154	16	0.22	0.03	-0.06	-1.02e-04	0.0	0.0
154	43	-0.47	0.04	0.01	-1.51e-04	0.0	1.55e-05
154	68	-7.74e-03	0.61	-0.03	-1.18e-03	3.90e-06	8.72e-06
154	113	5.45	-0.26	-0.51	0.0	0.0	1.62e-04
154	116	-5.46	0.32	0.46	-2.06e-04	0.0	-1.53e-04
154	139	-0.58	5.01	0.03	-1.85e-03	1.15e-05	5.72e-05
154	145	6.13	-0.29	-0.57	9.62e-06	0.0	1.82e-04
154	148	-6.14	0.35	0.52	-2.15e-04	0.0	-1.73e-04
154	171	-0.65	5.66	0.03	-2.08e-03	1.30e-05	6.42e-05
154	177	6.06	-0.23	-0.57	-1.10e-05	0.0	1.82e-04
154	180	-6.08	0.29	0.51	-1.95e-04	0.0	-1.73e-04
154	203	-0.61	5.79	0.03	-2.12e-03	1.32e-05	6.56e-05
154	209	7.10	-0.23	-0.66	-9.43e-06	0.0	2.15e-04
154	212	-7.12	0.29	0.61	-1.96e-04	0.0	-2.06e-04
154	235	-0.69	6.87	0.04	-2.50e-03	1.56e-05	7.72e-05
154	249	0.14	0.02	-0.04	-7.27e-05	0.0	0.0
154	263	-0.31	0.03	4.85e-03	-1.06e-04	0.0	1.06e-05
154	276	-5.49e-03	0.41	-0.02	-7.91e-04	2.60e-06	6.04e-06
154	302	0.02	0.02	-0.03	-6.48e-05	0.0	2.22e-06
154	305	-0.07	0.03	-0.02	-1.02e-04	0.0	5.65e-06
154	307	-7.86e-03	0.11	-0.03	-2.38e-04	0.0	4.69e-06
154	309	-6.30e-03	0.02	-0.03	-6.45e-05	0.0	2.79e-06
154	310	-8.52e-03	0.03	-0.03	-1.03e-04	0.0	4.50e-06
155	1	0.0	0.0	0.0	-8.83e-06	0.0	0.0
155	113	0.0	0.0	0.0	2.99e-05	0.0	2.86e-06
155	145	0.0	0.0	0.0	3.25e-05	0.0	3.21e-06
155	177	0.0	0.0	0.0	1.63e-05	0.0	3.20e-06
155	209	0.0	0.0	0.0	9.31e-06	0.0	3.77e-06
155	241	0.0	0.0	0.0	-6.33e-06	0.0	0.0
155	297	0.0	0.0	0.0	-6.48e-06	0.0	0.0
155	309	0.0	0.0	0.0	-6.48e-06	0.0	0.0
156	41	-0.06	4.73e-03	-0.02	-9.82e-06	0.0	1.79e-06
156	45	-0.06	3.15e-03	-0.02	-6.62e-06	0.0	1.62e-06
156	68	3.68e-03	0.64	-2.15e-03	-9.93e-04	0.0	-5.15e-05
156	113	0.76	-0.02	0.17	2.96e-05	0.0	2.46e-05
156	116	-0.76	0.03	-0.18	-5.33e-05	0.0	-2.33e-05
156	139	-0.08	0.78	-0.02	-1.56e-03	0.0	7.39e-06
156	145	0.86	-0.02	0.20	3.21e-05	0.0	2.76e-05
156	148	-0.85	0.03	-0.20	-5.58e-05	0.0	-2.64e-05
156	171	-0.09	0.88	-0.02	-1.76e-03	0.0	8.28e-06
156	177	0.85	-9.15e-03	0.19	1.60e-05	0.0	2.76e-05
156	180	-0.84	0.02	-0.20	-3.98e-05	0.0	-2.63e-05
156	203	-0.08	0.90	-0.02	-1.80e-03	0.0	8.43e-06
156	209	0.99	-5.76e-03	0.23	8.95e-06	0.0	3.25e-05
156	212	-0.99	0.02	-0.23	-3.27e-05	0.0	-3.12e-05
156	235	-0.10	1.07	-0.02	-2.14e-03	0.0	9.91e-06
156	261	-0.04	3.37e-03	-0.01	-6.99e-06	0.0	1.23e-06
156	276	2.55e-03	0.42	-1.82e-03	-6.63e-04	0.0	-3.43e-05
156	304	-7.22e-03	3.24e-03	-5.09e-03	-6.59e-06	0.0	0.0
156	307	2.08e-03	0.09	-2.18e-03	-1.42e-04	0.0	-6.37e-06
156	309	1.06e-03	3.21e-03	-2.69e-03	-6.48e-06	0.0	0.0
156	310	2.02e-03	5.88e-03	-2.21e-03	-1.19e-05	0.0	0.0
157	41	-0.06	5.68e-03	-6.85e-03	-1.14e-05	0.0	1.79e-06
157	45	-0.06	4.00e-03	-6.35e-03	-8.03e-06	0.0	1.62e-06
157	68	3.69e-03	0.62	-1.18e-03	-9.81e-04	0.0	-1.81e-05
157	113	0.77	0.39	0.03	-7.78e-04	0.0	2.45e-05
157	116	-0.76	-0.38	-0.04	7.53e-04	0.0	-2.33e-05
157	137	0.34	0.79	0.01	-1.56e-03	0.0	1.70e-05
157	145	0.86	0.44	0.04	-8.77e-04	0.0	2.75e-05
157	148	-0.86	-0.43	-0.04	8.52e-04	0.0	-2.63e-05
157	169	0.38	0.89	0.02	-1.77e-03	0.0	1.91e-05
157	177	0.85	0.45	0.04	-8.93e-04	0.0	2.75e-05
157	180	-0.85	-0.44	-0.04	8.68e-04	0.0	-2.62e-05
157	201	0.38	0.91	0.02	-1.81e-03	0.0	1.90e-05
157	209	1.00	0.53	0.04	-1.06e-03	0.0	3.24e-05
157	212	-0.99	-0.52	-0.05	1.04e-03	0.0	-3.11e-05
157	233	0.44	1.08	0.02	-2.15e-03	0.0	2.24e-05
157	261	-0.04	4.02e-03	-4.93e-03	-8.06e-06	0.0	1.23e-06
157	276	2.56e-03	0.42	-1.14e-03	-6.54e-04	0.0	-1.20e-05
157	304	-7.26e-03	3.53e-03	-2.79e-03	-7.07e-06	0.0	0.0
157	307	2.08e-03	0.09	-1.54e-03	-1.41e-04	0.0	-1.92e-06
157	309	1.06e-03	3.41e-03	-2.25e-03	-6.83e-06	0.0	0.0
157	310	2.03e-03	6.21e-03	-1.57e-03	-1.24e-05	0.0	0.0

158	1	0.0	0.0	0.0	-8.97e-06	0.0	0.0
158	113	0.0	0.0	0.0	-7.80e-04	0.0	2.98e-06
158	145	0.0	0.0	0.0	-8.80e-04	0.0	3.34e-06
158	177	0.0	0.0	0.0	-8.95e-04	0.0	3.34e-06
158	209	0.0	0.0	0.0	-1.06e-03	0.0	3.92e-06
158	241	0.0	0.0	0.0	-6.46e-06	0.0	0.0
158	297	0.0	0.0	0.0	-6.83e-06	0.0	0.0
158	309	0.0	0.0	0.0	-6.83e-06	0.0	0.0
159	41	-0.13	9.47e-03	-0.04	-9.81e-06	0.0	3.53e-06
159	45	-0.13	6.30e-03	-0.04	-6.61e-06	0.0	3.18e-06
159	68	5.54e-03	1.13	-4.12e-03	-7.24e-04	0.0	-6.35e-05
159	113	1.58	-0.03	0.31	2.87e-05	0.0	5.01e-05
159	116	-1.57	0.05	-0.32	-5.24e-05	0.0	-4.76e-05
159	139	-0.17	1.56	-0.04	-1.54e-03	0.0	1.53e-05
159	145	1.77	-0.03	0.35	3.11e-05	0.0	5.63e-05
159	148	-1.77	0.06	-0.35	-5.48e-05	0.0	-5.38e-05
159	171	-0.19	1.76	-0.04	-1.74e-03	0.0	1.72e-05
159	177	1.75	-0.02	0.34	1.52e-05	0.0	5.62e-05
159	180	-1.75	0.04	-0.35	-3.89e-05	0.0	-5.37e-05
159	203	-0.17	1.80	-0.04	-1.78e-03	0.0	1.75e-05
159	209	2.05	-0.01	0.40	8.07e-06	0.0	6.62e-05
159	212	-2.05	0.03	-0.41	-3.18e-05	0.0	-6.37e-05
159	235	-0.20	2.14	-0.04	-2.12e-03	0.0	2.06e-05
159	261	-0.08	6.75e-03	-0.03	-6.98e-06	0.0	2.42e-06
159	276	3.84e-03	0.75	-3.47e-03	-4.83e-04	0.0	-4.23e-05
159	304	-0.02	6.48e-03	-9.06e-03	-6.58e-06	0.0	1.10e-06
159	307	2.98e-03	0.16	-4.14e-03	-1.06e-04	0.0	-7.49e-06
159	309	1.39e-03	6.41e-03	-5.05e-03	-6.48e-06	0.0	0.0
159	310	2.87e-03	0.01	-4.21e-03	-1.19e-05	0.0	1.24e-06
160	41	-0.13	0.01	-0.01	-1.14e-05	0.0	3.53e-06
160	45	-0.13	8.00e-03	-0.01	-8.02e-06	0.0	3.18e-06
160	68	5.54e-03	1.11	-1.79e-03	-7.18e-04	0.0	-2.74e-05
160	113	1.58	0.78	0.08	-7.72e-04	0.0	5.01e-05
160	116	-1.57	-0.76	-0.08	7.47e-04	0.0	-4.76e-05
160	137	0.69	1.57	0.03	-1.55e-03	0.0	3.50e-05
160	145	1.77	0.88	0.09	-8.70e-04	0.0	5.63e-05
160	148	-1.77	-0.86	-0.09	8.45e-04	0.0	-5.38e-05
160	169	0.78	1.77	0.04	-1.75e-03	0.0	3.93e-05
160	177	1.76	0.90	0.08	-8.86e-04	0.0	5.62e-05
160	180	-1.75	-0.87	-0.09	8.61e-04	0.0	-5.37e-05
160	201	0.78	1.82	0.04	-1.80e-03	0.0	3.92e-05
160	209	2.06	1.06	0.10	-1.05e-03	0.0	6.62e-05
160	212	-2.05	-1.04	-0.10	1.03e-03	0.0	-6.37e-05
160	233	0.91	2.16	0.05	-2.13e-03	0.0	4.61e-05
160	261	-0.08	8.05e-03	-9.06e-03	-8.06e-06	0.0	2.41e-06
160	276	3.83e-03	0.74	-1.85e-03	-4.79e-04	0.0	-1.82e-05
160	304	-0.02	7.07e-03	-5.06e-03	-7.07e-06	0.0	1.09e-06
160	307	2.98e-03	0.16	-2.65e-03	-1.05e-04	0.0	-2.67e-06
160	309	1.38e-03	6.82e-03	-4.06e-03	-6.82e-06	0.0	0.0
160	310	2.87e-03	0.01	-2.70e-03	-1.24e-05	0.0	1.24e-06
161	41	-0.20	0.01	-0.05	-9.78e-06	0.0	5.32e-06
161	45	-0.20	9.44e-03	-0.05	-6.59e-06	0.0	4.79e-06
161	68	5.79e-03	1.43	-6.08e-03	-3.60e-04	0.0	-6.74e-05
161	113	2.42	-0.05	0.40	2.74e-05	0.0	7.44e-05
161	116	-2.42	0.08	-0.41	-5.11e-05	0.0	-7.07e-05
161	139	-0.26	2.33	-0.05	-1.52e-03	0.0	2.35e-05
161	145	2.72	-0.05	0.45	2.97e-05	0.0	8.36e-05
161	148	-2.72	0.09	-0.47	-5.34e-05	0.0	-7.98e-05
161	171	-0.29	2.63	-0.05	-1.72e-03	0.0	2.63e-05
161	177	2.69	-0.03	0.45	1.40e-05	0.0	8.35e-05
161	180	-2.69	0.06	-0.46	-3.77e-05	0.0	-7.97e-05
161	203	-0.27	2.69	-0.05	-1.76e-03	0.0	2.68e-05
161	209	3.15	-0.02	0.53	6.83e-06	0.0	9.84e-05
161	212	-3.15	0.05	-0.54	-3.05e-05	0.0	-9.47e-05
161	235	-0.30	3.20	-0.05	-2.09e-03	0.0	3.16e-05
161	261	-0.13	0.01	-0.03	-6.96e-06	0.0	3.64e-06
161	276	4.01e-03	0.96	-5.09e-03	-2.40e-04	0.0	-4.48e-05
161	304	-0.03	9.71e-03	-0.01	-6.56e-06	0.0	1.65e-06
161	307	2.86e-03	0.21	-6.04e-03	-5.73e-05	0.0	-7.51e-06
161	309	1.12e-03	9.61e-03	-7.28e-03	-6.46e-06	0.0	1.16e-06
161	310	2.69e-03	0.02	-6.13e-03	-1.18e-05	0.0	1.88e-06
162	41	-0.20	0.02	-0.02	-1.14e-05	0.0	5.31e-06
162	45	-0.20	0.01	-0.02	-8.01e-06	0.0	4.78e-06
162	68	5.78e-03	1.41	-2.09e-03	-3.59e-04	0.0	-3.08e-05
162	113	2.42	1.17	0.12	-7.63e-04	0.0	7.44e-05

162	116	-2.42	-1.13	-0.13	7.38e-04	0.0	-7.07e-05
162	137	1.06	2.34	0.05	-1.53e-03	0.0	5.26e-05
162	145	2.72	1.31	0.14	-8.60e-04	0.0	8.36e-05
162	148	-2.72	-1.28	-0.14	8.35e-04	0.0	-7.98e-05
162	169	1.19	2.65	0.06	-1.73e-03	0.0	5.90e-05
162	177	2.69	1.34	0.14	-8.75e-04	0.0	8.35e-05
162	180	-2.69	-1.30	-0.14	8.50e-04	0.0	-7.97e-05
162	201	1.19	2.71	0.06	-1.77e-03	0.0	5.90e-05
162	209	3.15	1.59	0.16	-1.04e-03	0.0	9.84e-05
162	212	-3.15	-1.55	-0.17	1.02e-03	0.0	-9.47e-05
162	233	1.40	3.22	0.07	-2.11e-03	0.0	6.93e-05
162	261	-0.13	0.01	-0.01	-8.05e-06	0.0	3.63e-06
162	276	4.00e-03	0.94	-2.32e-03	-2.40e-04	0.0	-2.04e-05
162	304	-0.03	0.01	-7.09e-03	-7.06e-06	0.0	1.65e-06
162	307	2.85e-03	0.20	-3.53e-03	-5.76e-05	0.0	-2.64e-06
162	309	1.11e-03	0.01	-5.64e-03	-6.81e-06	0.0	1.15e-06
162	310	2.68e-03	0.02	-3.61e-03	-1.24e-05	0.0	1.88e-06
163	41	-0.06	6.62e-03	-3.60e-03	-1.33e-05	0.0	1.78e-06
163	45	-0.06	4.85e-03	-3.49e-03	-9.71e-06	0.0	1.60e-06
163	68	3.71e-03	0.62	1.02e-03	-9.73e-04	0.0	-7.15e-06
163	113	0.77	0.39	0.03	-7.82e-04	0.0	2.44e-05
163	116	-0.77	-0.38	-0.03	7.56e-04	0.0	-2.32e-05
163	137	0.34	0.79	0.01	-1.58e-03	0.0	1.67e-05
163	145	0.87	0.44	0.03	-8.82e-04	0.0	2.74e-05
163	148	-0.86	-0.43	-0.04	8.56e-04	0.0	-2.62e-05
163	169	0.38	0.90	0.02	-1.78e-03	0.0	1.88e-05
163	177	0.86	0.45	0.03	-8.99e-04	0.0	2.74e-05
163	180	-0.85	-0.44	-0.04	8.73e-04	0.0	-2.61e-05
163	201	0.38	0.92	0.02	-1.82e-03	0.0	1.87e-05
163	209	1.00	0.54	0.04	-1.07e-03	0.0	3.23e-05
163	212	-1.00	-0.52	-0.04	1.04e-03	0.0	-3.10e-05
163	233	0.44	1.09	0.02	-2.16e-03	0.0	2.20e-05
163	261	-0.04	4.67e-03	-2.71e-03	-9.34e-06	0.0	1.22e-06
163	276	2.57e-03	0.41	3.61e-04	-6.49e-04	0.0	-4.73e-06
163	304	-7.31e-03	3.82e-03	-1.75e-03	-7.65e-06	0.0	0.0
163	307	2.09e-03	0.09	-2.29e-04	-1.40e-04	0.0	0.0
163	309	1.06e-03	3.61e-03	-1.51e-03	-7.23e-06	0.0	0.0
163	310	2.04e-03	6.54e-03	-2.49e-04	-1.31e-05	0.0	0.0
164	1	0.0	0.0	0.0	-9.14e-06	0.0	0.0
164	113	0.0	0.0	0.0	-7.84e-04	0.0	3.06e-06
164	145	0.0	0.0	0.0	-8.84e-04	0.0	3.43e-06
164	177	0.0	0.0	0.0	-9.01e-04	0.0	3.43e-06
164	209	0.0	0.0	0.0	-1.07e-03	0.0	4.03e-06
164	241	0.0	0.0	0.0	-6.60e-06	0.0	0.0
164	297	0.0	0.0	0.0	-7.23e-06	0.0	0.0
164	309	0.0	0.0	0.0	-7.23e-06	0.0	0.0
165	41	-0.13	0.01	-6.57e-03	-1.33e-05	0.0	3.51e-06
165	45	-0.13	9.70e-03	-6.50e-03	-9.71e-06	0.0	3.16e-06
165	68	5.53e-03	1.10	2.64e-03	-7.13e-04	0.0	-1.21e-05
165	113	1.58	0.78	0.06	-7.76e-04	0.0	5.01e-05
165	116	-1.57	-0.76	-0.06	7.50e-04	0.0	-4.76e-05
165	137	0.69	1.58	0.03	-1.56e-03	0.0	3.45e-05
165	145	1.77	0.88	0.07	-8.75e-04	0.0	5.62e-05
165	148	-1.77	-0.86	-0.07	8.49e-04	0.0	-5.38e-05
165	169	0.78	1.79	0.03	-1.77e-03	0.0	3.88e-05
165	177	1.76	0.90	0.07	-8.92e-04	0.0	5.62e-05
165	180	-1.75	-0.88	-0.07	8.66e-04	0.0	-5.37e-05
165	201	0.78	1.83	0.03	-1.81e-03	0.0	3.87e-05
165	209	2.06	1.07	0.08	-1.06e-03	0.0	6.62e-05
165	212	-2.05	-1.05	-0.08	1.03e-03	0.0	-6.37e-05
165	233	0.91	2.17	0.04	-2.15e-03	0.0	4.54e-05
165	261	-0.08	9.34e-03	-4.96e-03	-9.34e-06	0.0	2.40e-06
165	276	3.83e-03	0.74	1.18e-03	-4.76e-04	0.0	-8.01e-06
165	304	-0.02	7.65e-03	-3.04e-03	-7.65e-06	0.0	1.08e-06
165	307	2.98e-03	0.16	-4.77e-06	-1.05e-04	0.0	0.0
165	309	1.38e-03	7.23e-03	-2.56e-03	-7.23e-06	0.0	0.0
165	310	2.87e-03	0.01	-4.56e-05	-1.31e-05	0.0	1.23e-06
166	45	-0.20	0.01	-9.36e-03	-9.71e-06	0.0	4.75e-06
166	68	5.76e-03	1.40	4.61e-03	-3.58e-04	0.0	-1.42e-05
166	113	2.42	1.17	0.09	-7.67e-04	0.0	7.44e-05
166	137	1.06	2.36	0.04	-1.54e-03	0.0	5.19e-05
166	145	2.72	1.32	0.10	-8.65e-04	0.0	8.36e-05
166	169	1.19	2.67	0.05	-1.75e-03	0.0	5.83e-05
166	177	2.69	1.35	0.10	-8.82e-04	0.0	8.35e-05
166	201	1.19	2.73	0.05	-1.79e-03	0.0	5.82e-05

166	209	3.15	1.60	0.12	-1.05e-03	0.0	9.84e-05
166	233	1.40	3.24	0.06	-2.12e-03	0.0	6.84e-05
166	261	-0.13	0.01	-7.02e-03	-9.35e-06	0.0	3.61e-06
166	276	3.99e-03	0.94	2.27e-03	-2.39e-04	0.0	-9.36e-06
166	304	-0.03	0.01	-4.13e-03	-7.66e-06	0.0	1.63e-06
166	307	2.84e-03	0.20	4.65e-04	-5.81e-05	0.0	0.0
166	309	1.09e-03	0.01	-3.41e-03	-7.23e-06	0.0	1.14e-06
166	310	2.67e-03	0.02	4.02e-04	-1.31e-05	0.0	1.85e-06
167	4	0.02	0.01	6.65e-03	-2.53e-05	0.0	0.0
167	45	-0.06	5.69e-03	-1.12e-03	-1.14e-05	0.0	1.59e-06
167	68	3.66e-03	0.62	4.84e-03	-9.71e-04	0.0	-1.32e-06
167	113	0.77	0.40	0.01	-7.87e-04	0.0	2.44e-05
167	137	0.34	0.80	8.04e-03	-1.59e-03	0.0	1.65e-05
167	145	0.87	0.45	0.02	-8.87e-04	0.0	2.74e-05
167	169	0.38	0.90	8.78e-03	-1.79e-03	0.0	1.85e-05
167	177	0.86	0.46	0.02	-9.05e-04	0.0	2.74e-05
167	201	0.38	0.92	8.80e-03	-1.84e-03	0.0	1.84e-05
167	209	1.00	0.54	0.02	-1.08e-03	0.0	3.22e-05
167	233	0.44	1.10	9.98e-03	-2.18e-03	0.0	2.16e-05
167	244	0.02	8.68e-03	4.22e-03	-1.74e-05	0.0	0.0
167	261	-0.04	5.31e-03	-5.53e-04	-1.06e-05	0.0	1.21e-06
167	276	2.54e-03	0.41	3.02e-03	-6.48e-04	0.0	0.0
167	298	2.18e-03	7.38e-03	2.55e-03	-1.48e-05	0.0	0.0
167	304	-7.35e-03	4.11e-03	-1.35e-04	-8.23e-06	0.0	0.0
167	307	2.07e-03	0.09	2.19e-03	-1.40e-04	0.0	0.0
167	310	2.02e-03	6.87e-03	2.18e-03	-1.37e-05	0.0	0.0
168	1	0.0	0.0	0.0	-9.29e-06	0.0	0.0
168	113	0.0	0.0	0.0	-7.89e-04	0.0	3.04e-06
168	145	0.0	0.0	0.0	-8.89e-04	0.0	3.41e-06
168	177	0.0	0.0	0.0	-9.08e-04	0.0	3.40e-06
168	209	0.0	0.0	0.0	-1.08e-03	0.0	3.99e-06
168	241	0.0	0.0	0.0	-6.73e-06	0.0	0.0
168	297	0.0	0.0	0.0	-7.63e-06	0.0	0.0
168	309	0.0	0.0	0.0	-7.63e-06	0.0	0.0
169	4	0.04	0.03	0.01	-2.53e-05	0.0	1.57e-06
169	45	-0.13	0.01	-1.79e-03	-1.14e-05	0.0	3.14e-06
169	68	5.45e-03	1.10	0.01	-7.11e-04	0.0	-2.25e-06
169	113	1.58	0.79	0.03	-7.81e-04	0.0	5.01e-05
169	137	0.69	1.59	0.02	-1.57e-03	0.0	3.39e-05
169	145	1.78	0.89	0.03	-8.81e-04	0.0	5.62e-05
169	169	0.78	1.80	0.02	-1.78e-03	0.0	3.80e-05
169	177	1.76	0.91	0.03	-8.99e-04	0.0	5.61e-05
169	201	0.78	1.84	0.02	-1.82e-03	0.0	3.79e-05
169	209	2.06	1.08	0.04	-1.07e-03	0.0	6.61e-05
169	233	0.91	2.19	0.02	-2.16e-03	0.0	4.45e-05
169	244	0.03	0.02	8.88e-03	-1.74e-05	0.0	1.10e-06
169	261	-0.09	0.01	-6.56e-04	-1.06e-05	0.0	2.38e-06
169	276	3.77e-03	0.73	6.48e-03	-4.75e-04	0.0	-1.44e-06
169	298	3.07e-03	0.01	5.53e-03	-1.48e-05	0.0	1.29e-06
169	304	-0.02	8.23e-03	1.75e-04	-8.24e-06	0.0	1.07e-06
169	307	2.93e-03	0.16	4.82e-03	-1.06e-04	0.0	0.0
169	310	2.82e-03	0.01	4.79e-03	-1.38e-05	0.0	1.21e-06
170	4	0.07	0.04	0.02	-2.53e-05	0.0	2.36e-06
170	45	-0.20	0.02	-2.24e-03	-1.14e-05	0.0	4.71e-06
170	68	5.67e-03	1.40	0.02	-3.59e-04	0.0	-2.54e-06
170	113	2.42	1.18	0.04	-7.72e-04	0.0	7.44e-05
170	137	1.06	2.38	0.03	-1.56e-03	0.0	5.08e-05
170	145	2.72	1.33	0.05	-8.71e-04	0.0	8.35e-05
170	169	1.19	2.68	0.03	-1.76e-03	0.0	5.70e-05
170	177	2.69	1.36	0.05	-8.89e-04	0.0	8.34e-05
170	201	1.19	2.75	0.03	-1.80e-03	0.0	5.69e-05
170	209	3.15	1.61	0.06	-1.06e-03	0.0	9.83e-05
170	233	1.40	3.27	0.03	-2.14e-03	0.0	6.68e-05
170	244	0.04	0.03	0.01	-1.74e-05	0.0	1.66e-06
170	261	-0.13	0.02	-5.35e-04	-1.07e-05	0.0	3.57e-06
170	276	3.92e-03	0.93	0.01	-2.40e-04	0.0	-1.60e-06
170	298	2.88e-03	0.02	8.75e-03	-1.48e-05	0.0	1.93e-06
170	304	-0.03	0.01	7.10e-04	-8.25e-06	0.0	1.61e-06
170	307	2.79e-03	0.20	7.68e-03	-5.87e-05	0.0	1.09e-06
170	310	2.61e-03	0.02	7.64e-03	-1.38e-05	0.0	1.82e-06
171	45	-0.06	6.53e-03	1.92e-03	-1.31e-05	0.0	1.59e-06
171	52	3.93e-03	0.38	0.01	-5.97e-04	0.0	2.78e-06
171	68	3.39e-03	0.62	0.01	-9.71e-04	0.0	3.69e-06
171	113	0.77	0.40	7.14e-03	-7.92e-04	0.0	2.44e-05
171	114	0.63	4.37e-03	7.33e-03	-8.65e-06	0.0	9.40e-06

171	137	0.34	0.80	6.75e-03	-1.60e-03	0.0	1.64e-05
171	145	0.86	0.45	7.22e-03	-8.93e-04	0.0	2.74e-05
171	146	0.70	2.89e-03	7.44e-03	-5.68e-06	0.0	1.04e-05
171	169	0.38	0.91	6.79e-03	-1.80e-03	0.0	1.83e-05
171	177	0.86	0.46	7.13e-03	-9.12e-04	0.0	2.74e-05
171	178	0.69	-3.83e-03	7.34e-03	7.68e-06	0.0	9.90e-06
171	201	0.38	0.93	6.76e-03	-1.85e-03	0.0	1.83e-05
171	209	1.00	0.55	7.24e-03	-1.09e-03	0.0	3.22e-05
171	210	0.80	-0.01	7.50e-03	2.20e-05	0.0	1.12e-05
171	233	0.44	1.10	6.82e-03	-2.19e-03	0.0	2.14e-05
171	261	-0.04	5.94e-03	2.45e-03	-1.19e-05	0.0	1.20e-06
171	268	2.71e-03	0.25	9.53e-03	-3.98e-04	0.0	1.88e-06
171	276	2.34e-03	0.41	7.57e-03	-6.48e-04	0.0	2.49e-06
171	298	2.00e-03	7.72e-03	7.03e-03	-1.54e-05	0.0	0.0
171	304	-7.45e-03	4.39e-03	2.45e-03	-8.80e-06	0.0	0.0
171	307	1.90e-03	0.09	6.38e-03	-1.41e-04	0.0	0.0
171	310	1.85e-03	7.19e-03	6.38e-03	-1.44e-05	0.0	0.0
172	1	0.0	0.0	0.0	-9.44e-06	0.0	0.0
172	113	0.0	0.0	0.0	-7.94e-04	0.0	3.04e-06
172	145	0.0	0.0	0.0	-8.95e-04	0.0	3.41e-06
172	177	0.0	0.0	0.0	-9.15e-04	0.0	3.40e-06
172	209	0.0	0.0	0.0	-1.09e-03	0.0	3.99e-06
172	241	0.0	0.0	0.0	-6.86e-06	0.0	0.0
172	297	0.0	0.0	0.0	-8.02e-06	0.0	0.0
172	309	0.0	0.0	0.0	-8.02e-06	0.0	0.0
173	45	-0.13	0.01	4.37e-03	-1.31e-05	0.0	3.12e-06
173	52	5.83e-03	0.67	0.03	-4.41e-04	0.0	5.07e-06
173	68	5.11e-03	1.10	0.02	-7.12e-04	0.0	6.59e-06
173	113	1.58	0.79	0.01	-7.86e-04	0.0	5.01e-05
173	114	1.29	8.70e-03	0.02	-8.55e-06	0.0	1.93e-05
173	137	0.69	1.60	0.01	-1.58e-03	0.0	3.35e-05
173	145	1.77	0.90	0.02	-8.86e-04	0.0	5.62e-05
173	146	1.44	5.74e-03	0.02	-5.58e-06	0.0	2.14e-05
173	169	0.78	1.81	0.01	-1.79e-03	0.0	3.76e-05
173	177	1.76	0.92	0.01	-9.06e-04	0.0	5.61e-05
173	178	1.41	-7.66e-03	0.02	7.70e-06	0.0	2.03e-05
173	201	0.78	1.85	0.01	-1.83e-03	0.0	3.75e-05
173	209	2.06	1.09	0.02	-1.08e-03	0.0	6.61e-05
173	210	1.64	-0.02	0.02	2.20e-05	0.0	2.31e-05
173	233	0.91	2.20	0.01	-2.18e-03	0.0	4.40e-05
173	261	-0.09	0.01	5.45e-03	-1.19e-05	0.0	2.36e-06
173	268	4.02e-03	0.45	0.02	-2.95e-04	0.0	3.44e-06
173	276	3.53e-03	0.73	0.02	-4.75e-04	0.0	4.45e-06
173	298	2.85e-03	0.02	0.01	-1.55e-05	0.0	1.27e-06
173	304	-0.02	8.79e-03	5.47e-03	-8.81e-06	0.0	1.05e-06
173	307	2.72e-03	0.16	0.01	-1.06e-04	0.0	1.81e-06
173	310	2.61e-03	0.01	0.01	-1.44e-05	0.0	1.19e-06
174	4	0.06	0.04	0.05	-2.62e-05	0.0	2.30e-06
174	45	-0.20	0.02	7.26e-03	-1.31e-05	0.0	4.67e-06
174	68	5.29e-03	1.40	0.04	-3.59e-04	0.0	8.12e-06
174	113	2.42	1.19	0.02	-7.78e-04	0.0	7.44e-05
174	137	1.06	2.39	0.02	-1.57e-03	0.0	4.98e-05
174	145	2.72	1.34	0.02	-8.77e-04	0.0	8.35e-05
174	169	1.19	2.70	0.02	-1.77e-03	0.0	5.59e-05
174	177	2.69	1.37	0.02	-8.96e-04	0.0	8.34e-05
174	201	1.19	2.77	0.02	-1.81e-03	0.0	5.58e-05
174	209	3.15	1.63	0.02	-1.07e-03	0.0	9.82e-05
174	233	1.40	3.29	0.02	-2.15e-03	0.0	6.54e-05
174	244	0.04	0.03	0.03	-1.80e-05	0.0	1.62e-06
174	261	-0.13	0.02	8.94e-03	-1.19e-05	0.0	3.53e-06
174	276	3.66e-03	0.93	0.02	-2.40e-04	0.0	5.50e-06
174	298	2.63e-03	0.02	0.02	-1.55e-05	0.0	1.89e-06
174	304	-0.03	0.01	9.02e-03	-8.83e-06	0.0	1.58e-06
174	307	2.55e-03	0.20	0.02	-5.92e-05	0.0	2.48e-06
174	310	2.38e-03	0.02	0.02	-1.44e-05	0.0	1.78e-06
175	28	-0.03	0.02	0.02	-3.33e-05	0.0	1.90e-06
175	45	-0.06	7.37e-03	4.83e-03	-1.47e-05	0.0	1.59e-06
175	68	2.91e-03	0.62	0.01	-9.77e-04	0.0	1.14e-05
175	113	0.77	0.40	-0.02	-7.97e-04	0.0	2.44e-05
175	116	-0.76	-0.39	0.04	7.67e-04	0.0	-2.32e-05
175	137	0.34	0.81	-6.55e-03	-1.61e-03	0.0	1.64e-05
175	145	0.86	0.45	-0.03	-8.99e-04	0.0	2.74e-05
175	148	-0.86	-0.44	0.04	8.69e-04	0.0	-2.62e-05
175	169	0.38	0.91	-8.41e-03	-1.81e-03	0.0	1.84e-05
175	177	0.85	0.46	-0.03	-9.20e-04	0.0	2.74e-05

175	180	-0.85	-0.45	0.04	8.90e-04	0.0	-2.62e-05
175	201	0.38	0.94	-8.41e-03	-1.86e-03	0.0	1.83e-05
175	209	1.00	0.55	-0.03	-1.10e-03	0.0	3.23e-05
175	212	-0.99	-0.54	0.05	1.07e-03	0.0	-3.10e-05
175	233	0.44	1.11	-0.01	-2.21e-03	0.0	2.15e-05
175	256	-0.02	0.01	0.01	-2.28e-05	0.0	1.30e-06
175	261	-0.04	6.57e-03	4.80e-03	-1.31e-05	0.0	1.20e-06
175	276	2.01e-03	0.41	9.43e-03	-6.52e-04	0.0	7.62e-06
175	298	1.68e-03	8.06e-03	8.94e-03	-1.61e-05	0.0	0.0
175	304	-7.60e-03	4.68e-03	3.78e-03	-9.36e-06	0.0	0.0
175	307	1.60e-03	0.09	8.16e-03	-1.42e-04	0.0	1.99e-06
175	310	1.55e-03	7.51e-03	8.16e-03	-1.50e-05	0.0	0.0
176	1	0.0	0.0	0.0	-9.58e-06	0.0	0.0
176	113	0.0	0.0	0.0	-7.99e-04	0.0	3.06e-06
176	145	0.0	0.0	0.0	-9.01e-04	0.0	3.42e-06
176	177	0.0	0.0	0.0	-9.22e-04	0.0	3.42e-06
176	209	0.0	0.0	0.0	-1.10e-03	0.0	4.01e-06
176	241	0.0	0.0	0.0	-6.99e-06	0.0	0.0
176	297	0.0	0.0	0.0	-8.41e-06	0.0	0.0
176	309	0.0	0.0	0.0	-8.41e-06	0.0	0.0
177	28	-0.07	0.03	0.04	-3.33e-05	0.0	3.73e-06
177	45	-0.13	0.01	0.01	-1.47e-05	0.0	3.11e-06
177	68	4.56e-03	1.11	0.03	-7.16e-04	0.0	1.83e-05
177	113	1.58	0.80	-0.05	-7.91e-04	0.0	5.01e-05
177	116	-1.57	-0.77	0.08	7.61e-04	0.0	-4.77e-05
177	137	0.69	1.61	-0.01	-1.59e-03	0.0	3.35e-05
177	145	1.77	0.90	-0.06	-8.92e-04	0.0	5.62e-05
177	148	-1.77	-0.87	0.09	8.62e-04	0.0	-5.39e-05
177	169	0.78	1.82	-0.02	-1.80e-03	0.0	3.76e-05
177	177	1.75	0.92	-0.05	-9.13e-04	0.0	5.61e-05
177	180	-1.75	-0.89	0.09	8.83e-04	0.0	-5.37e-05
177	201	0.77	1.87	-0.02	-1.85e-03	0.0	3.74e-05
177	209	2.05	1.10	-0.07	-1.09e-03	0.0	6.61e-05
177	212	-2.05	-1.07	0.10	1.06e-03	0.0	-6.37e-05
177	233	0.91	2.22	-0.02	-2.19e-03	0.0	4.39e-05
177	256	-0.05	0.02	0.03	-2.28e-05	0.0	2.54e-06
177	261	-0.09	0.01	0.01	-1.32e-05	0.0	2.35e-06
177	276	3.15e-03	0.74	0.02	-4.78e-04	0.0	1.23e-05
177	298	2.48e-03	0.02	0.02	-1.61e-05	0.0	1.26e-06
177	304	-0.02	9.36e-03	8.07e-03	-9.36e-06	0.0	1.05e-06
177	307	2.37e-03	0.16	0.02	-1.07e-04	0.0	3.37e-06
177	310	2.27e-03	0.02	0.02	-1.50e-05	0.0	1.18e-06
178	28	-0.11	0.05	0.06	-3.33e-05	0.0	5.54e-06
178	45	-0.20	0.02	0.02	-1.48e-05	0.0	4.64e-06
178	68	4.71e-03	1.41	0.04	-3.60e-04	0.0	2.15e-05
178	113	2.42	1.19	-0.07	-7.83e-04	0.0	7.44e-05
178	116	-2.41	-1.15	0.12	7.53e-04	0.0	-7.09e-05
178	137	1.06	2.41	-0.02	-1.58e-03	0.0	4.94e-05
178	145	2.72	1.35	-0.08	-8.83e-04	0.0	8.35e-05
178	148	-2.71	-1.30	0.13	8.53e-04	0.0	-8.00e-05
178	169	1.19	2.72	-0.02	-1.78e-03	0.0	5.55e-05
178	177	2.69	1.38	-0.08	-9.04e-04	0.0	8.34e-05
178	180	-2.69	-1.33	0.13	8.74e-04	0.0	-7.99e-05
178	201	1.19	2.79	-0.02	-1.83e-03	0.0	5.53e-05
178	209	3.15	1.64	-0.10	-1.08e-03	0.0	9.82e-05
178	212	-3.15	-1.60	0.15	1.05e-03	0.0	-9.47e-05
178	233	1.39	3.31	-0.03	-2.17e-03	0.0	6.48e-05
178	256	-0.08	0.03	0.04	-2.28e-05	0.0	3.78e-06
178	261	-0.13	0.02	0.02	-1.32e-05	0.0	3.51e-06
178	276	3.25e-03	0.94	0.03	-2.41e-04	0.0	1.44e-05
178	298	2.24e-03	0.02	0.03	-1.61e-05	0.0	1.87e-06
178	304	-0.03	0.01	0.01	-9.37e-06	0.0	1.56e-06
178	307	2.19e-03	0.21	0.03	-5.98e-05	0.0	4.24e-06
178	310	2.01e-03	0.02	0.03	-1.50e-05	0.0	1.75e-06
179	41	-0.27	0.02	-0.06	-9.73e-06	0.0	7.13e-06
179	68	4.41e-03	1.51	-8.12e-03	3.26e-05	0.0	-6.48e-05
179	113	3.29	-0.06	0.46	2.59e-05	0.0	9.85e-05
179	116	-3.28	0.11	-0.48	-4.95e-05	0.0	-9.34e-05
179	139	-0.35	3.08	-0.05	-1.50e-03	0.0	3.20e-05
179	145	3.69	-0.07	0.52	2.80e-05	0.0	1.11e-04
179	148	-3.69	0.11	-0.54	-5.17e-05	0.0	-1.06e-04
179	171	-0.39	3.48	-0.06	-1.70e-03	0.0	3.60e-05
179	177	3.66	-0.03	0.51	1.26e-05	0.0	1.11e-04
179	180	-3.65	0.08	-0.53	-3.62e-05	0.0	-1.05e-04
179	203	-0.37	3.57	-0.06	-1.74e-03	0.0	3.67e-05

179	209	4.28	-0.02	0.60	5.35e-06	0.0	1.30e-04
179	212	-4.28	0.07	-0.62	-2.90e-05	0.0	-1.25e-04
179	235	-0.42	4.23	-0.06	-2.06e-03	0.0	4.32e-05
179	261	-0.18	0.01	-0.04	-6.93e-06	0.0	4.88e-06
179	276	3.06e-03	1.01	-6.78e-03	2.13e-05	0.0	-4.31e-05
179	304	-0.04	0.01	-0.02	-6.53e-06	0.0	2.23e-06
179	307	1.71e-03	0.22	-7.99e-03	-4.95e-06	0.0	-6.65e-06
179	309	2.72e-04	0.01	-9.55e-03	-6.44e-06	0.0	1.56e-06
179	310	1.46e-03	0.02	-8.11e-03	-1.18e-05	0.0	2.54e-06
180	41	-0.27	0.02	-0.02	-1.13e-05	0.0	7.12e-06
180	68	4.40e-03	1.49	-2.16e-03	2.80e-05	0.0	-2.85e-05
180	113	3.28	1.55	0.17	-7.52e-04	0.0	9.85e-05
180	116	-3.28	-1.50	-0.18	7.27e-04	0.0	-9.35e-05
180	137	1.44	3.11	0.08	-1.51e-03	0.0	7.05e-05
180	145	3.69	1.74	0.19	-8.47e-04	0.0	1.11e-04
180	148	-3.69	-1.69	-0.20	8.23e-04	0.0	-1.06e-04
180	169	1.62	3.51	0.09	-1.71e-03	0.0	7.92e-05
180	177	3.65	1.77	0.19	-8.63e-04	0.0	1.11e-04
180	180	-3.65	-1.72	-0.20	8.38e-04	0.0	-1.05e-04
180	201	1.61	3.59	0.09	-1.75e-03	0.0	7.93e-05
180	209	4.28	2.11	0.22	-1.03e-03	0.0	1.30e-04
180	212	-4.28	-2.06	-0.23	1.00e-03	0.0	-1.25e-04
180	233	1.89	4.27	0.10	-2.07e-03	0.0	9.31e-05
180	261	-0.18	0.02	-0.02	-8.03e-06	0.0	4.87e-06
180	276	3.05e-03	1.00	-2.63e-03	1.82e-05	0.0	-1.89e-05
180	304	-0.04	0.01	-9.05e-03	-7.04e-06	0.0	2.22e-06
180	307	1.69e-03	0.22	-4.28e-03	-6.01e-06	0.0	-1.81e-06
180	309	2.46e-04	0.01	-7.14e-03	-6.80e-06	0.0	1.56e-06
180	310	1.45e-03	0.02	-4.38e-03	-1.24e-05	0.0	2.53e-06
181	41	-0.34	0.02	-0.06	-9.67e-06	0.0	8.96e-06
181	68	7.95e-04	1.37	-0.01	3.86e-04	0.0	-5.46e-05
181	116	-4.15	0.13	-0.50	-4.80e-05	0.0	-1.15e-04
181	139	-0.44	3.83	-0.06	-1.48e-03	0.0	4.07e-05
181	148	-4.66	0.14	-0.57	-5.00e-05	0.0	-1.30e-04
181	171	-0.49	4.32	-0.06	-1.67e-03	0.0	4.57e-05
181	180	-4.61	0.10	-0.56	-3.47e-05	0.0	-1.30e-04
181	203	-0.46	4.43	-0.06	-1.71e-03	0.0	4.67e-05
181	212	-5.40	0.08	-0.65	-2.74e-05	0.0	-1.55e-04
181	235	-0.53	5.25	-0.07	-2.03e-03	0.0	5.50e-05
181	261	-0.23	0.02	-0.04	-6.89e-06	0.0	6.13e-06
181	276	5.78e-04	0.91	-8.65e-03	2.57e-04	0.0	-3.62e-05
181	304	-0.05	0.02	-0.02	-6.51e-06	0.0	2.81e-06
181	307	-8.46e-04	0.21	-0.01	4.23e-05	0.0	-4.76e-06
181	309	-1.34e-03	0.02	-0.01	-6.41e-06	0.0	1.98e-06
181	310	-1.17e-03	0.03	-0.01	-1.18e-05	0.0	3.21e-06
182	41	-0.34	0.03	-0.03	-1.13e-05	0.0	8.95e-06
182	68	8.01e-04	1.35	-1.96e-03	3.77e-04	0.0	-2.04e-05
182	116	-4.15	-1.86	-0.23	7.16e-04	0.0	-1.15e-04
182	137	1.81	3.85	0.10	-1.49e-03	0.0	8.83e-05
182	148	-4.66	-2.10	-0.26	8.11e-04	0.0	-1.30e-04
182	169	2.04	4.35	0.11	-1.68e-03	0.0	9.91e-05
182	180	-4.62	-2.14	-0.26	8.26e-04	0.0	-1.30e-04
182	201	2.03	4.46	0.11	-1.72e-03	0.0	9.93e-05
182	212	-5.40	-2.55	-0.30	9.86e-04	0.0	-1.55e-04
182	233	2.39	5.29	0.13	-2.04e-03	0.0	1.17e-04
182	261	-0.23	0.02	-0.02	-8.01e-06	0.0	6.13e-06
182	276	5.73e-04	0.90	-2.78e-03	2.51e-04	0.0	-1.35e-05
182	304	-0.05	0.02	-0.01	-7.03e-06	0.0	2.81e-06
182	307	-8.61e-04	0.20	-4.98e-03	4.06e-05	0.0	0.0
182	309	-1.39e-03	0.02	-8.74e-03	-6.78e-06	0.0	1.98e-06
182	310	-1.18e-03	0.03	-5.12e-03	-1.24e-05	0.0	3.21e-06
183	4	0.08	0.05	0.01	-2.44e-05	0.0	3.29e-06
183	41	-0.27	0.03	-0.01	-1.33e-05	0.0	7.07e-06
183	68	4.42e-03	1.48	6.98e-03	2.41e-05	0.0	-1.27e-05
183	113	3.28	1.55	0.12	-7.57e-04	0.0	9.86e-05
183	137	1.44	3.13	0.06	-1.52e-03	0.0	6.99e-05
183	145	3.69	1.75	0.14	-8.53e-04	0.0	1.11e-04
183	169	1.62	3.53	0.06	-1.72e-03	0.0	7.84e-05
183	177	3.65	1.78	0.13	-8.70e-04	0.0	1.11e-04
183	201	1.61	3.62	0.06	-1.76e-03	0.0	7.85e-05
183	209	4.28	2.12	0.16	-1.03e-03	0.0	1.30e-04
183	233	1.89	4.30	0.08	-2.09e-03	0.0	9.22e-05
183	261	-0.18	0.02	-9.09e-03	-9.34e-06	0.0	4.84e-06
183	276	3.06e-03	0.99	3.62e-03	1.56e-05	0.0	-8.32e-06
183	304	-0.04	0.02	-5.13e-03	-7.66e-06	0.0	2.20e-06

183	307	1.70e-03	0.22	1.14e-03	-7.09e-06	0.0	0.0
183	309	2.30e-04	0.01	-4.14e-03	-7.23e-06	0.0	1.54e-06
183	310	1.46e-03	0.03	1.05e-03	-1.31e-05	0.0	2.50e-06
184	4	0.10	0.06	0.02	-2.44e-05	0.0	4.19e-06
184	41	-0.34	0.03	-0.02	-1.32e-05	0.0	8.90e-06
184	68	9.88e-04	1.35	0.01	3.70e-04	0.0	-7.74e-06
184	113	4.15	1.93	0.15	-7.46e-04	0.0	1.22e-04
184	116	-4.15	-1.86	-0.15	7.20e-04	0.0	-1.16e-04
184	137	1.81	3.88	0.07	-1.50e-03	0.0	8.80e-05
184	145	4.66	2.17	0.17	-8.41e-04	0.0	1.37e-04
184	148	-4.67	-2.11	-0.17	8.15e-04	0.0	-1.31e-04
184	169	2.04	4.39	0.08	-1.70e-03	0.0	9.88e-05
184	177	4.62	2.22	0.17	-8.58e-04	0.0	1.37e-04
184	180	-4.62	-2.15	-0.16	8.32e-04	0.0	-1.31e-04
184	201	2.04	4.49	0.08	-1.74e-03	0.0	9.89e-05
184	209	5.41	2.64	0.20	-1.02e-03	0.0	1.61e-04
184	212	-5.41	-2.57	-0.19	9.94e-04	0.0	-1.55e-04
184	233	2.39	5.33	0.10	-2.06e-03	0.0	1.16e-04
184	261	-0.23	0.02	-0.01	-9.34e-06	0.0	6.09e-06
184	276	6.92e-04	0.90	5.49e-03	2.46e-04	0.0	-5.00e-06
184	304	-0.05	0.02	-6.19e-03	-7.65e-06	0.0	2.78e-06
184	307	-7.54e-04	0.21	2.16e-03	3.90e-05	0.0	1.45e-06
184	309	-1.38e-03	0.02	-4.87e-03	-7.23e-06	0.0	1.95e-06
184	310	-1.08e-03	0.03	2.04e-03	-1.31e-05	0.0	3.17e-06
185	4	0.08	0.05	0.03	-2.54e-05	0.0	3.18e-06
185	41	-0.27	0.03	5.17e-04	-1.52e-05	0.0	6.99e-06
185	68	4.41e-03	1.48	0.02	2.17e-05	0.0	-1.92e-06
185	113	3.28	1.56	0.06	-7.62e-04	0.0	9.86e-05
185	137	1.44	3.15	0.03	-1.53e-03	0.0	6.83e-05
185	145	3.69	1.76	0.06	-8.59e-04	0.0	1.11e-04
185	169	1.62	3.56	0.04	-1.73e-03	0.0	7.66e-05
185	177	3.65	1.80	0.06	-8.77e-04	0.0	1.11e-04
185	201	1.61	3.65	0.04	-1.78e-03	0.0	7.66e-05
185	209	4.28	2.14	0.07	-1.04e-03	0.0	1.30e-04
185	233	1.89	4.33	0.04	-2.11e-03	0.0	8.99e-05
185	244	0.06	0.03	0.02	-1.74e-05	0.0	2.24e-06
185	261	-0.18	0.02	-2.49e-04	-1.07e-05	0.0	4.78e-06
185	276	3.05e-03	0.99	0.01	1.39e-05	0.0	-1.16e-06
185	298	1.66e-03	0.03	0.01	-1.48e-05	0.0	2.60e-06
185	304	-0.04	0.02	1.43e-03	-8.27e-06	0.0	2.15e-06
185	307	1.70e-03	0.22	0.01	-7.97e-06	0.0	1.66e-06
185	310	1.45e-03	0.03	0.01	-1.38e-05	0.0	2.44e-06
186	4	0.10	0.06	0.04	-2.54e-05	0.0	4.03e-06
186	41	-0.34	0.04	1.52e-03	-1.52e-05	0.0	8.78e-06
186	68	1.38e-03	1.35	0.03	3.65e-04	0.0	0.0
186	113	4.16	1.94	0.07	-7.52e-04	0.0	1.22e-04
186	116	-4.16	-1.87	-0.04	7.24e-04	0.0	-1.16e-04
186	137	1.82	3.91	0.04	-1.51e-03	0.0	8.63e-05
186	145	4.67	2.19	0.08	-8.48e-04	0.0	1.37e-04
186	148	-4.68	-2.12	-0.05	8.20e-04	0.0	-1.31e-04
186	169	2.05	4.42	0.05	-1.71e-03	0.0	9.69e-05
186	177	4.63	2.23	0.08	-8.66e-04	0.0	1.37e-04
186	180	-4.63	-2.16	-0.05	8.38e-04	0.0	-1.31e-04
186	201	2.04	4.53	0.05	-1.75e-03	0.0	9.70e-05
186	209	5.42	2.66	0.09	-1.03e-03	0.0	1.61e-04
186	212	-5.42	-2.59	-0.06	1.00e-03	0.0	-1.55e-04
186	233	2.40	5.37	0.05	-2.08e-03	0.0	1.14e-04
186	244	0.07	0.04	0.03	-1.75e-05	0.0	2.84e-06
186	261	-0.23	0.03	3.11e-04	-1.07e-05	0.0	6.01e-06
186	276	9.52e-04	0.90	0.02	2.43e-04	0.0	0.0
186	298	-7.59e-04	0.04	0.02	-1.49e-05	0.0	3.28e-06
186	304	-0.05	0.02	2.52e-03	-8.30e-06	0.0	2.71e-06
186	307	-5.15e-04	0.21	0.01	3.78e-05	0.0	2.39e-06
186	309	-1.29e-03	0.02	3.07e-03	-7.69e-06	0.0	1.89e-06
186	310	-8.35e-04	0.03	0.01	-1.38e-05	0.0	3.08e-06
187	4	0.08	0.05	0.07	-2.62e-05	0.0	3.04e-06
187	41	-0.27	0.03	0.02	-1.71e-05	0.0	6.88e-06
187	68	3.99e-03	1.48	0.05	2.14e-05	0.0	7.85e-06
187	113	3.28	1.57	0.04	-7.68e-04	0.0	9.86e-05
187	137	1.44	3.17	0.03	-1.55e-03	0.0	6.62e-05
187	145	3.69	1.77	0.04	-8.66e-04	0.0	1.11e-04
187	169	1.62	3.58	0.03	-1.75e-03	0.0	7.43e-05
187	177	3.65	1.81	0.04	-8.85e-04	0.0	1.10e-04
187	201	1.61	3.67	0.03	-1.79e-03	0.0	7.41e-05
187	209	4.28	2.16	0.04	-1.05e-03	0.0	1.30e-04

187	233	1.89	4.36	0.03	-2.13e-03	0.0	8.70e-05
187	244	0.06	0.04	0.04	-1.80e-05	0.0	2.15e-06
187	261	-0.18	0.02	0.01	-1.20e-05	0.0	4.70e-06
187	276	2.75e-03	0.99	0.04	1.37e-05	0.0	5.35e-06
187	298	1.39e-03	0.03	0.03	-1.55e-05	0.0	2.52e-06
187	304	-0.04	0.02	0.01	-8.85e-06	0.0	2.09e-06
187	307	1.44e-03	0.22	0.03	-8.52e-06	0.0	2.90e-06
187	310	1.19e-03	0.03	0.03	-1.45e-05	0.0	2.36e-06
188	4	0.10	0.07	0.09	-2.63e-05	0.0	3.79e-06
188	41	-0.35	0.04	0.03	-1.71e-05	0.0	8.59e-06
188	68	6.43e-04	1.35	0.07	3.65e-04	0.0	5.84e-06
188	113	4.16	1.95	0.05	-7.58e-04	0.0	1.22e-04
188	116	-4.17	-1.88	0.03	7.29e-04	0.0	-1.16e-04
188	137	1.82	3.94	0.05	-1.53e-03	0.0	8.28e-05
188	145	4.68	2.20	0.05	-8.55e-04	0.0	1.37e-04
188	148	-4.68	-2.13	0.03	8.26e-04	0.0	-1.31e-04
188	169	2.05	4.45	0.05	-1.72e-03	0.0	9.29e-05
188	177	4.63	2.25	0.05	-8.74e-04	0.0	1.37e-04
188	180	-4.64	-2.18	0.03	8.46e-04	0.0	-1.31e-04
188	201	2.04	4.56	0.05	-1.77e-03	0.0	9.28e-05
188	209	5.43	2.68	0.06	-1.04e-03	0.0	1.61e-04
188	212	-5.43	-2.61	0.03	1.01e-03	0.0	-1.55e-04
188	233	2.40	5.41	0.05	-2.10e-03	0.0	1.09e-04
188	244	0.07	0.04	0.06	-1.81e-05	0.0	2.67e-06
188	261	-0.23	0.03	0.02	-1.20e-05	0.0	5.87e-06
188	276	4.37e-04	0.90	0.05	2.43e-04	0.0	4.04e-06
188	298	-1.23e-03	0.04	0.05	-1.56e-05	0.0	3.13e-06
188	304	-0.05	0.02	0.02	-8.87e-06	0.0	2.61e-06
188	307	-9.66e-04	0.21	0.04	3.72e-05	0.0	3.09e-06
188	309	-1.58e-03	0.02	0.02	-8.09e-06	0.0	1.80e-06
188	310	-1.28e-03	0.04	0.04	-1.45e-05	0.0	2.94e-06
189	28	-0.16	0.07	0.08	-3.34e-05	0.0	7.30e-06
189	41	-0.27	0.04	0.03	-1.89e-05	0.0	6.78e-06
189	68	3.55e-03	1.49	0.06	2.36e-05	0.0	2.03e-05
189	113	3.29	1.58	-0.09	-7.73e-04	0.0	9.85e-05
189	116	-3.29	-1.52	0.16	7.43e-04	0.0	-9.39e-05
189	137	1.44	3.19	-0.02	-1.56e-03	0.0	6.47e-05
189	145	3.69	1.79	-0.11	-8.72e-04	0.0	1.11e-04
189	148	-3.69	-1.73	0.18	8.42e-04	0.0	-1.06e-04
189	169	1.62	3.60	-0.03	-1.76e-03	0.0	7.26e-05
189	177	3.66	1.83	-0.10	-8.92e-04	0.0	1.10e-04
189	180	-3.66	-1.77	0.18	8.62e-04	0.0	-1.06e-04
189	201	1.61	3.69	-0.03	-1.80e-03	0.0	7.24e-05
189	209	4.28	2.18	-0.13	-1.06e-03	0.0	1.30e-04
189	212	-4.28	-2.12	0.20	1.03e-03	0.0	-1.25e-04
189	233	1.90	4.39	-0.04	-2.14e-03	0.0	8.49e-05
189	256	-0.11	0.05	0.06	-2.29e-05	0.0	4.98e-06
189	261	-0.18	0.03	0.02	-1.32e-05	0.0	4.63e-06
189	276	2.44e-03	0.99	0.04	1.51e-05	0.0	1.37e-05
189	298	1.08e-03	0.03	0.04	-1.62e-05	0.0	2.45e-06
189	304	-0.04	0.02	0.02	-9.39e-06	0.0	2.05e-06
189	307	1.15e-03	0.22	0.04	-8.69e-06	0.0	4.51e-06
189	310	9.03e-04	0.03	0.04	-1.51e-05	0.0	2.30e-06
190	28	-0.21	0.08	0.11	-3.35e-05	0.0	8.97e-06
190	41	-0.35	0.05	0.05	-1.89e-05	0.0	8.38e-06
190	68	1.74e-03	1.35	0.09	3.69e-04	0.0	1.48e-05
190	116	-4.16	-1.89	0.21	7.34e-04	0.0	-1.16e-04
190	137	1.82	3.96	-0.02	-1.54e-03	0.0	7.89e-05
190	148	-4.67	-2.14	0.23	8.32e-04	0.0	-1.31e-04
190	169	2.05	4.48	-0.03	-1.74e-03	0.0	8.85e-05
190	180	-4.63	-2.19	0.23	8.52e-04	0.0	-1.31e-04
190	201	2.04	4.59	-0.03	-1.78e-03	0.0	8.81e-05
190	212	-5.42	-2.63	0.26	1.02e-03	0.0	-1.55e-04
190	233	2.40	5.45	-0.04	-2.12e-03	0.0	1.03e-04
190	256	-0.14	0.06	0.08	-2.29e-05	0.0	6.12e-06
190	261	-0.23	0.03	0.03	-1.32e-05	0.0	5.72e-06
190	276	1.17e-03	0.90	0.06	2.46e-04	0.0	9.99e-06
190	298	-5.17e-04	0.04	0.06	-1.62e-05	0.0	2.99e-06
190	304	-0.05	0.02	0.03	-9.42e-06	0.0	2.51e-06
190	307	-3.14e-04	0.21	0.05	3.74e-05	0.0	4.17e-06
190	309	-1.31e-03	0.02	0.02	-8.46e-06	0.0	1.70e-06
190	310	-6.30e-04	0.04	0.05	-1.51e-05	0.0	2.81e-06
191	41	-0.41	0.03	-0.06	-9.62e-06	0.0	1.06e-05
191	43	-0.41	0.06	-0.06	-1.90e-05	0.0	1.32e-05
191	68	-4.27e-03	1.08	-0.01	6.24e-04	0.0	-3.29e-05

191	116	-4.87	0.15	-0.50	-4.69e-05	0.0	-1.35e-04
191	139	-0.52	4.48	-0.06	-1.46e-03	0.0	4.89e-05
191	148	-5.47	0.16	-0.56	-4.88e-05	0.0	-1.53e-04
191	171	-0.58	5.07	-0.07	-1.65e-03	0.0	5.48e-05
191	180	-5.42	0.11	-0.55	-3.37e-05	0.0	-1.53e-04
191	203	-0.55	5.19	-0.06	-1.69e-03	0.0	5.60e-05
191	212	-6.34	0.09	-0.65	-2.64e-05	0.0	-1.82e-04
191	235	-0.62	6.16	-0.07	-2.01e-03	0.0	6.60e-05
191	261	-0.27	0.02	-0.04	-6.85e-06	0.0	7.26e-06
191	263	-0.27	0.04	-0.04	-1.31e-05	0.0	8.97e-06
191	276	-2.92e-03	0.72	-0.01	4.15e-04	0.0	-2.18e-05
191	304	-0.06	0.02	-0.02	-6.48e-06	0.0	3.34e-06
191	305	-0.06	0.03	-0.02	-1.18e-05	0.0	4.80e-06
191	307	-4.38e-03	0.17	-0.01	7.39e-05	0.0	-1.40e-06
191	309	-3.53e-03	0.02	-0.02	-6.39e-06	0.0	2.36e-06
191	310	-4.79e-03	0.03	-0.01	-1.17e-05	0.0	3.82e-06
192	41	-0.41	0.03	-0.04	-1.13e-05	0.0	1.06e-05
192	43	-0.41	0.06	-0.03	-2.11e-05	0.0	1.31e-05
192	68	-4.50e-03	1.07	-1.28e-03	6.13e-04	0.0	-8.63e-06
192	116	-4.87	-2.17	-0.28	7.09e-04	0.0	-1.36e-04
192	137	2.12	4.52	0.12	-1.47e-03	0.0	1.05e-04
192	148	-5.47	-2.46	-0.32	8.02e-04	0.0	-1.53e-04
192	169	2.39	5.10	0.14	-1.66e-03	0.0	1.18e-04
192	180	-5.42	-2.51	-0.31	8.17e-04	0.0	-1.53e-04
192	201	2.38	5.23	0.14	-1.70e-03	0.0	1.18e-04
192	212	-6.34	-2.99	-0.37	9.76e-04	0.0	-1.82e-04
192	233	2.80	6.20	0.16	-2.02e-03	0.0	1.39e-04
192	261	-0.27	0.02	-0.03	-7.99e-06	0.0	7.25e-06
192	263	-0.27	0.04	-0.02	-1.45e-05	0.0	8.96e-06
192	276	-3.09e-03	0.72	-2.69e-03	4.08e-04	0.0	-5.57e-06
192	304	-0.06	0.02	-0.01	-7.02e-06	0.0	3.34e-06
192	305	-0.06	0.04	-8.83e-03	-1.26e-05	0.0	4.79e-06
192	307	-4.55e-03	0.17	-5.64e-03	7.20e-05	0.0	1.84e-06
192	309	-3.70e-03	0.02	-0.01	-6.77e-06	0.0	2.36e-06
192	310	-4.96e-03	0.04	-5.83e-03	-1.24e-05	0.0	3.82e-06
193	41	-0.46	0.03	-0.07	-8.68e-05	0.0	1.24e-05
193	43	-0.47	0.06	-0.06	-1.54e-04	0.0	1.54e-05
193	68	-7.84e-03	0.63	-0.02	-1.42e-03	9.04e-06	1.08e-05
193	116	-5.48	0.18	-0.46	7.64e-04	-3.08e-06	-1.54e-04
193	139	-0.59	5.13	-0.06	-1.60e-03	-6.30e-06	5.60e-05
193	148	-6.16	0.18	-0.52	8.75e-04	-3.45e-06	-1.74e-04
193	171	-0.65	5.80	-0.06	-1.80e-03	-7.07e-06	6.29e-05
193	180	-6.10	0.13	-0.51	8.92e-04	-3.38e-06	-1.74e-04
193	203	-0.61	5.94	-0.06	-1.85e-03	-6.89e-06	6.42e-05
193	212	-7.14	0.11	-0.60	1.08e-03	-3.92e-06	-2.07e-04
193	235	-0.70	7.05	-0.07	-2.18e-03	-8.10e-06	7.56e-05
193	261	-0.31	0.02	-0.05	-6.28e-05	0.0	8.49e-06
193	263	-0.31	0.04	-0.04	-1.07e-04	0.0	1.05e-05
193	276	-5.53e-03	0.42	-0.01	-9.50e-04	6.03e-06	7.42e-06
193	304	-0.07	0.02	-0.03	-6.41e-05	0.0	3.93e-06
193	305	-0.07	0.04	-0.02	-1.02e-04	0.0	5.64e-06
193	307	-7.54e-03	0.12	-0.02	-2.70e-04	1.19e-06	4.97e-06
193	309	-6.07e-03	0.02	-0.02	-6.44e-05	0.0	2.79e-06
193	310	-8.10e-03	0.04	-0.02	-1.03e-04	0.0	4.50e-06
194	41	-0.46	0.04	-0.05	-8.76e-05	0.0	1.25e-05
194	43	-0.47	0.07	-0.03	-1.55e-04	0.0	1.55e-05
194	68	-7.90e-03	0.64	6.52e-04	-1.38e-03	0.0	1.65e-04
194	116	-5.48	-2.49	-0.34	7.35e-04	0.0	-1.57e-04
194	137	2.39	5.17	0.14	-1.82e-03	0.0	1.20e-04
194	148	-6.16	-2.82	-0.38	8.43e-04	0.0	-1.78e-04
194	169	2.69	5.84	0.16	-2.04e-03	0.0	1.35e-04
194	180	-6.10	-2.87	-0.37	8.61e-04	0.0	-1.78e-04
194	201	2.68	5.98	0.16	-2.09e-03	0.0	1.35e-04
194	212	-7.14	-3.43	-0.44	1.04e-03	0.0	-2.11e-04
194	233	3.15	7.11	0.19	-2.47e-03	0.0	1.58e-04
194	261	-0.31	0.03	-0.03	-6.34e-05	0.0	8.55e-06
194	263	-0.31	0.05	-0.03	-1.08e-04	0.0	1.06e-05
194	276	-5.57e-03	0.43	-2.03e-03	-9.23e-04	0.0	1.10e-04
194	304	-0.07	0.02	-0.02	-6.43e-05	0.0	3.96e-06
194	305	-0.07	0.04	-0.01	-1.02e-04	0.0	5.70e-06
194	307	-7.53e-03	0.12	-6.40e-03	-2.64e-04	0.0	2.56e-05
194	309	-6.06e-03	0.02	-0.01	-6.45e-05	0.0	2.81e-06
194	310	-8.08e-03	0.04	-6.69e-03	-1.03e-04	0.0	4.55e-06
195	4	0.11	0.07	0.02	-2.44e-05	0.0	5.03e-06
195	43	-0.41	0.07	-2.83e-03	-2.35e-05	0.0	1.31e-05

195	68	-5.19e-03	1.07	0.01	6.04e-04	0.0	-1.27e-06
195	113	4.87	2.26	0.18	-7.39e-04	0.0	1.44e-04
195	116	-4.88	-2.18	-0.17	7.13e-04	0.0	-1.36e-04
195	137	2.13	4.55	0.09	-1.49e-03	0.0	1.05e-04
195	145	5.48	2.55	0.20	-8.33e-04	0.0	1.61e-04
195	148	-5.49	-2.47	-0.19	8.07e-04	0.0	-1.54e-04
195	169	2.40	5.14	0.10	-1.68e-03	0.0	1.18e-04
195	177	5.42	2.60	0.20	-8.49e-04	0.0	1.61e-04
195	180	-5.43	-2.52	-0.19	8.23e-04	0.0	-1.54e-04
195	201	2.39	5.27	0.10	-1.72e-03	0.0	1.18e-04
195	209	6.35	3.09	0.23	-1.01e-03	0.0	1.90e-04
195	212	-6.36	-3.01	-0.23	9.84e-04	0.0	-1.82e-04
195	233	2.81	6.25	0.11	-2.04e-03	0.0	1.39e-04
195	244	0.07	0.05	0.01	-1.67e-05	0.0	3.54e-06
195	263	-0.27	0.05	-3.49e-03	-1.61e-05	0.0	8.92e-06
195	276	-3.58e-03	0.72	8.37e-03	4.02e-04	0.0	0.0
195	304	-0.06	0.02	-7.33e-03	-7.63e-06	0.0	3.32e-06
195	305	-0.06	0.04	1.95e-03	-1.35e-05	0.0	4.76e-06
195	307	-4.98e-03	0.17	3.86e-03	7.02e-05	0.0	2.80e-06
195	309	-3.99e-03	0.02	-5.58e-03	-7.21e-06	0.0	2.34e-06
195	310	-5.38e-03	0.04	3.69e-03	-1.31e-05	0.0	3.79e-06
196	4	0.12	0.08	0.04	-1.96e-04	0.0	6.13e-06
196	43	-0.47	0.08	-1.44e-03	-1.56e-04	0.0	1.56e-05
196	68	-7.99e-03	0.64	0.02	-1.40e-03	0.0	3.03e-05
196	113	5.46	2.59	0.21	-9.31e-04	0.0	1.67e-04
196	116	-5.48	-2.50	-0.20	7.25e-04	0.0	-1.57e-04
196	137	2.39	5.21	0.10	-1.80e-03	0.0	1.20e-04
196	145	6.14	2.92	0.24	-1.04e-03	0.0	1.87e-04
196	148	-6.16	-2.83	-0.22	8.32e-04	0.0	-1.78e-04
196	169	2.69	5.89	0.11	-2.02e-03	0.0	1.35e-04
196	177	6.08	2.98	0.23	-1.06e-03	0.0	1.87e-04
196	180	-6.10	-2.89	-0.22	8.51e-04	0.0	-1.78e-04
196	201	2.68	6.03	0.12	-2.07e-03	0.0	1.35e-04
196	209	7.12	3.54	0.27	-1.24e-03	0.0	2.20e-04
196	212	-7.14	-3.45	-0.26	1.03e-03	0.0	-2.11e-04
196	233	3.15	7.16	0.13	-2.44e-03	0.0	1.59e-04
196	244	0.08	0.06	0.02	-1.36e-04	0.0	4.32e-06
196	263	-0.31	0.05	-3.11e-03	-1.09e-04	0.0	1.06e-05
196	276	-5.63e-03	0.43	0.01	-9.36e-04	0.0	2.05e-05
196	298	-8.40e-03	0.05	9.46e-03	-1.10e-04	0.0	4.86e-06
196	305	-0.07	0.05	4.66e-03	-1.03e-04	0.0	5.72e-06
196	307	-7.53e-03	0.12	7.42e-03	-2.67e-04	0.0	7.63e-06
196	310	-8.07e-03	0.04	7.18e-03	-1.03e-04	0.0	4.57e-06
197	4	0.11	0.07	0.05	-2.55e-05	0.0	4.81e-06
197	44	-0.42	0.08	0.04	-2.68e-05	0.0	1.32e-05
197	68	-7.39e-03	1.07	0.04	5.97e-04	0.0	2.43e-06
197	113	4.91	2.28	0.08	-7.45e-04	0.0	1.44e-04
197	116	-4.92	-2.19	-0.04	7.17e-04	0.0	-1.37e-04
197	137	2.14	4.58	0.05	-1.50e-03	0.0	1.04e-04
197	145	5.52	2.57	0.09	-8.40e-04	0.0	1.62e-04
197	148	-5.53	-2.48	-0.05	8.12e-04	0.0	-1.54e-04
197	169	2.41	5.18	0.06	-1.69e-03	0.0	1.17e-04
197	177	5.46	2.62	0.09	-8.58e-04	0.0	1.62e-04
197	180	-5.47	-2.54	-0.05	8.30e-04	0.0	-1.54e-04
197	201	2.41	5.31	0.06	-1.73e-03	0.0	1.17e-04
197	209	6.40	3.12	0.10	-1.02e-03	0.0	1.90e-04
197	212	-6.41	-3.04	-0.06	9.93e-04	0.0	-1.83e-04
197	233	2.83	6.30	0.06	-2.06e-03	0.0	1.38e-04
197	244	0.07	0.05	0.04	-1.75e-05	0.0	3.39e-06
197	264	-0.28	0.05	0.02	-1.84e-05	0.0	9.00e-06
197	276	-5.09e-03	0.72	0.03	3.97e-04	0.0	1.80e-06
197	298	-7.00e-03	0.04	0.02	-1.49e-05	0.0	3.90e-06
197	305	-0.06	0.04	0.02	-1.45e-05	0.0	4.64e-06
197	307	-6.27e-03	0.17	0.02	6.87e-05	0.0	3.20e-06
197	310	-6.67e-03	0.04	0.02	-1.39e-05	0.0	3.67e-06
198	4	0.12	0.09	0.08	-1.97e-04	0.0	5.86e-06
198	43	-0.47	0.09	0.05	-1.57e-04	0.0	1.53e-05
198	68	-7.93e-03	0.65	0.06	-1.39e-03	0.0	5.26e-06
198	113	5.46	2.61	0.10	-9.26e-04	0.0	1.68e-04
198	116	-5.48	-2.51	-0.04	7.19e-04	0.0	-1.59e-04
198	137	2.39	5.25	0.06	-1.79e-03	0.0	1.21e-04
198	145	6.14	2.94	0.11	-1.03e-03	0.0	1.88e-04
198	148	-6.16	-2.85	-0.04	8.25e-04	0.0	-1.79e-04
198	169	2.69	5.93	0.07	-2.01e-03	0.0	1.36e-04
198	177	6.08	3.00	0.11	-1.05e-03	0.0	1.88e-04

198	180	-6.09	-2.91	-0.04	8.46e-04	0.0	-1.79e-04
198	201	2.68	6.08	0.07	-2.06e-03	0.0	1.36e-04
198	209	7.12	3.57	0.12	-1.24e-03	0.0	2.22e-04
198	212	-7.14	-3.48	-0.06	1.03e-03	0.0	-2.13e-04
198	233	3.15	7.22	0.07	-2.43e-03	0.0	1.60e-04
198	244	0.08	0.06	0.05	-1.36e-04	0.0	4.12e-06
198	263	-0.31	0.06	0.03	-1.10e-04	0.0	1.04e-05
198	276	-5.58e-03	0.43	0.04	-9.29e-04	0.0	3.73e-06
198	298	-8.25e-03	0.05	0.04	-1.10e-04	0.0	4.70e-06
198	305	-0.07	0.05	0.03	-1.04e-04	0.0	5.56e-06
198	307	-7.41e-03	0.12	0.03	-2.66e-04	0.0	4.16e-06
198	310	-7.92e-03	0.05	0.03	-1.04e-04	0.0	4.42e-06
199	4	0.10	0.08	0.13	-2.63e-05	0.0	4.45e-06
199	44	-0.43	0.09	0.10	-2.91e-05	0.0	1.28e-05
199	68	-0.02	1.07	0.10	5.96e-04	0.0	3.13e-06
199	113	4.97	2.29	0.08	-7.51e-04	0.0	1.44e-04
199	116	-4.99	-2.21	0.04	7.22e-04	0.0	-1.37e-04
199	137	2.16	4.62	0.07	-1.51e-03	0.0	9.97e-05
199	145	5.58	2.58	0.08	-8.47e-04	0.0	1.61e-04
199	148	-5.61	-2.50	0.04	8.18e-04	0.0	-1.55e-04
199	169	2.44	5.22	0.07	-1.71e-03	0.0	1.12e-04
199	177	5.53	2.64	0.08	-8.67e-04	0.0	1.61e-04
199	180	-5.55	-2.56	0.04	8.38e-04	0.0	-1.54e-04
199	201	2.43	5.35	0.07	-1.75e-03	0.0	1.12e-04
199	209	6.48	3.15	0.08	-1.03e-03	0.0	1.90e-04
199	212	-6.50	-3.06	0.04	1.00e-03	0.0	-1.83e-04
199	233	2.86	6.35	0.07	-2.08e-03	0.0	1.32e-04
199	244	0.07	0.05	0.09	-1.81e-05	0.0	3.14e-06
199	264	-0.29	0.06	0.07	-2.00e-05	0.0	8.70e-06
199	276	-0.01	0.72	0.07	3.97e-04	0.0	2.26e-06
199	298	-0.01	0.05	0.07	-1.56e-05	0.0	3.69e-06
199	305	-0.07	0.04	0.06	-1.53e-05	0.0	4.42e-06
199	307	-0.01	0.18	0.06	6.81e-05	0.0	3.13e-06
199	310	-0.01	0.04	0.06	-1.45e-05	0.0	3.46e-06
200	4	0.12	0.09	0.18	-1.98e-04	0.0	5.24e-06
200	43	-0.47	0.10	0.13	-1.59e-04	0.0	1.55e-05
200	68	-7.76e-03	0.65	0.15	-1.37e-03	0.0	-7.03e-06
200	113	5.45	2.63	0.12	-9.30e-04	0.0	1.68e-04
200	116	-5.47	-2.53	0.05	7.21e-04	0.0	-1.60e-04
200	137	2.38	5.29	0.10	-1.80e-03	0.0	1.22e-04
200	145	6.13	2.96	0.12	-1.04e-03	0.0	1.89e-04
200	148	-6.15	-2.86	0.05	8.28e-04	0.0	-1.80e-04
200	169	2.68	5.98	0.10	-2.02e-03	0.0	1.37e-04
200	177	6.07	3.03	0.12	-1.06e-03	0.0	1.89e-04
200	180	-6.09	-2.93	0.05	8.51e-04	0.0	-1.80e-04
200	201	2.68	6.13	0.10	-2.07e-03	0.0	1.37e-04
200	209	7.11	3.61	0.13	-1.25e-03	0.0	2.23e-04
200	212	-7.13	-3.51	0.05	1.04e-03	0.0	-2.14e-04
200	233	3.15	7.28	0.10	-2.44e-03	0.0	1.61e-04
200	244	0.08	0.06	0.12	-1.37e-04	0.0	3.71e-06
200	263	-0.31	0.07	0.09	-1.11e-04	0.0	1.05e-05
200	276	-5.45e-03	0.44	0.10	-9.18e-04	0.0	-4.48e-06
200	298	-7.91e-03	0.05	0.09	-1.11e-04	0.0	4.46e-06
200	305	-0.07	0.05	0.09	-1.05e-04	0.0	5.40e-06
200	307	-7.13e-03	0.13	0.09	-2.65e-04	0.0	2.35e-06
200	310	-7.61e-03	0.05	0.09	-1.05e-04	0.0	4.19e-06
201	28	-0.26	0.10	0.15	-3.36e-05	0.0	1.04e-05
201	42	-0.43	0.06	0.07	-1.99e-05	0.0	1.00e-05
201	68	-3.57e-04	1.07	0.12	6.01e-04	0.0	6.13e-06
201	116	-5.09	-2.22	0.26	7.29e-04	0.0	-1.37e-04
201	137	2.22	4.65	-0.01	-1.53e-03	0.0	9.11e-05
201	148	-5.72	-2.51	0.28	8.26e-04	0.0	-1.55e-04
201	169	2.50	5.25	-0.02	-1.73e-03	0.0	1.02e-04
201	180	-5.66	-2.57	0.28	8.47e-04	0.0	-1.54e-04
201	201	2.49	5.38	-0.02	-1.77e-03	0.0	1.02e-04
201	212	-6.63	-3.09	0.31	1.02e-03	0.0	-1.83e-04
201	233	2.93	6.39	-0.04	-2.10e-03	0.0	1.19e-04
201	256	-0.17	0.07	0.10	-2.30e-05	0.0	7.09e-06
201	262	-0.28	0.04	0.05	-1.38e-05	0.0	6.85e-06
201	276	-2.60e-04	0.72	0.08	4.00e-04	0.0	4.25e-06
201	298	-2.14e-03	0.05	0.08	-1.63e-05	0.0	3.44e-06
201	304	-0.06	0.03	0.04	-9.46e-06	0.0	2.89e-06
201	307	-1.80e-03	0.18	0.07	6.82e-05	0.0	3.35e-06
201	309	-2.39e-03	0.02	0.03	-8.50e-06	0.0	1.95e-06
201	310	-2.18e-03	0.04	0.07	-1.51e-05	0.0	3.22e-06

202	28	-0.29	0.11	0.23	-2.01e-04	-3.96e-05	1.68e-05
202	43	-0.47	0.10	0.19	-1.61e-04	-5.56e-05	2.15e-05
202	68	-8.14e-03	0.65	0.18	-1.34e-03	-9.85e-06	5.54e-06
202	116	-5.46	-2.54	0.32	7.28e-04	-5.27e-04	-1.12e-04
202	137	2.38	5.33	8.71e-03	-1.81e-03	2.25e-04	8.76e-05
202	148	-6.13	-2.88	0.35	8.37e-04	-5.92e-04	-1.26e-04
202	169	2.68	6.02	-3.51e-03	-2.03e-03	2.54e-04	9.82e-05
202	180	-6.07	-2.95	0.35	8.61e-04	-5.87e-04	-1.25e-04
202	201	2.67	6.17	-3.48e-03	-2.08e-03	2.54e-04	9.73e-05
202	212	-7.11	-3.54	0.39	1.05e-03	-6.86e-04	-1.48e-04
202	233	3.14	7.33	-0.02	-2.46e-03	3.01e-04	1.14e-04
202	256	-0.19	0.08	0.15	-1.39e-04	-2.68e-05	1.14e-05
202	263	-0.31	0.07	0.13	-1.13e-04	-3.75e-05	1.45e-05
202	276	-5.71e-03	0.44	0.12	-8.96e-04	-7.02e-06	3.91e-06
202	298	-8.08e-03	0.06	0.11	-1.12e-04	-8.70e-06	4.35e-06
202	305	-0.07	0.05	0.11	-1.05e-04	-1.40e-05	6.13e-06
202	307	-7.31e-03	0.13	0.11	-2.61e-04	-8.02e-06	3.96e-06
202	310	-7.77e-03	0.05	0.11	-1.05e-04	-8.25e-06	4.09e-06
203	28	-0.03	0.02	0.02	-3.50e-05	0.0	1.91e-06
203	45	-0.06	8.08e-03	7.56e-03	-1.61e-05	0.0	1.59e-06
203	68	2.51e-03	0.62	0.01	-9.85e-04	0.0	1.84e-05
203	113	0.76	0.40	-0.04	-8.02e-04	0.0	2.45e-05
203	116	-0.76	-0.39	0.06	7.71e-04	0.0	-2.33e-05
203	137	0.33	0.81	-0.01	-1.62e-03	0.0	1.65e-05
203	145	0.86	0.46	-0.05	-9.05e-04	0.0	2.75e-05
203	148	-0.85	-0.44	0.06	8.74e-04	0.0	-2.63e-05
203	169	0.37	0.92	-0.02	-1.82e-03	0.0	1.85e-05
203	177	0.85	0.47	-0.05	-9.28e-04	0.0	2.75e-05
203	180	-0.84	-0.45	0.06	8.97e-04	0.0	-2.63e-05
203	201	0.37	0.94	-0.02	-1.87e-03	0.0	1.85e-05
203	209	0.99	0.56	-0.06	-1.11e-03	0.0	3.24e-05
203	212	-0.99	-0.54	0.07	1.08e-03	0.0	-3.12e-05
203	233	0.44	1.12	-0.02	-2.22e-03	0.0	2.17e-05
203	256	-0.02	0.01	0.01	-2.39e-05	0.0	1.30e-06
203	261	-0.04	7.12e-03	6.53e-03	-1.42e-05	0.0	1.21e-06
203	276	1.73e-03	0.42	8.89e-03	-6.57e-04	0.0	1.23e-05
203	298	1.41e-03	8.35e-03	8.46e-03	-1.67e-05	0.0	0.0
203	304	-7.71e-03	4.92e-03	3.92e-03	-9.83e-06	0.0	0.0
203	307	1.35e-03	0.09	7.71e-03	-1.43e-04	0.0	2.93e-06
203	310	1.30e-03	7.78e-03	7.72e-03	-1.55e-05	0.0	0.0
204	1	0.0	0.0	0.0	-9.70e-06	0.0	0.0
204	113	0.0	0.0	0.0	-8.05e-04	0.0	2.96e-06
204	145	0.0	0.0	0.0	-9.08e-04	0.0	3.31e-06
204	177	0.0	0.0	0.0	-9.30e-04	0.0	3.30e-06
204	209	0.0	0.0	0.0	-1.11e-03	0.0	3.88e-06
204	241	0.0	0.0	0.0	-7.09e-06	0.0	0.0
204	297	0.0	0.0	0.0	-8.73e-06	0.0	0.0
204	309	0.0	0.0	0.0	-8.73e-06	0.0	0.0
205	28	-0.07	0.04	0.04	-3.49e-05	0.0	3.73e-06
205	45	-0.13	0.02	0.02	-1.61e-05	0.0	3.11e-06
205	68	4.10e-03	1.12	0.03	-7.21e-04	0.0	2.80e-05
205	113	1.57	0.81	-0.09	-7.96e-04	0.0	5.01e-05
205	116	-1.57	-0.77	0.12	7.65e-04	0.0	-4.77e-05
205	137	0.69	1.62	-0.03	-1.60e-03	0.0	3.36e-05
205	145	1.77	0.91	-0.10	-8.98e-04	0.0	5.62e-05
205	148	-1.76	-0.88	0.14	8.67e-04	0.0	-5.39e-05
205	169	0.77	1.83	-0.04	-1.81e-03	0.0	3.77e-05
205	177	1.75	0.93	-0.10	-9.20e-04	0.0	5.61e-05
205	180	-1.75	-0.90	0.14	8.89e-04	0.0	-5.38e-05
205	201	0.77	1.88	-0.04	-1.86e-03	0.0	3.76e-05
205	209	2.05	1.11	-0.12	-1.10e-03	0.0	6.61e-05
205	212	-2.05	-1.08	0.16	1.07e-03	0.0	-6.38e-05
205	233	0.91	2.23	-0.05	-2.20e-03	0.0	4.41e-05
205	256	-0.05	0.02	0.03	-2.39e-05	0.0	2.54e-06
205	261	-0.09	0.01	0.01	-1.42e-05	0.0	2.35e-06
205	276	2.83e-03	0.74	0.02	-4.81e-04	0.0	1.87e-05
205	298	2.17e-03	0.02	0.02	-1.67e-05	0.0	1.26e-06
205	304	-0.02	9.84e-03	8.32e-03	-9.82e-06	0.0	1.05e-06
205	307	2.09e-03	0.16	0.02	-1.08e-04	0.0	4.66e-06
205	310	1.98e-03	0.02	0.02	-1.55e-05	0.0	1.18e-06
206	28	-0.12	0.05	0.06	-3.49e-05	0.0	5.52e-06
206	45	-0.20	0.02	0.02	-1.61e-05	0.0	4.63e-06
206	68	4.21e-03	1.42	0.04	-3.61e-04	0.0	3.19e-05
206	113	2.42	1.20	-0.14	-7.87e-04	0.0	7.44e-05
206	116	-2.41	-1.16	0.19	7.56e-04	0.0	-7.09e-05

206	137	1.06	2.42	-0.05	-1.58e-03	0.0	4.94e-05
206	145	2.72	1.36	-0.16	-8.88e-04	0.0	8.35e-05
206	148	-2.71	-1.31	0.21	8.56e-04	0.0	-8.00e-05
206	169	1.19	2.73	-0.06	-1.79e-03	0.0	5.54e-05
206	177	2.69	1.39	-0.16	-9.10e-04	0.0	8.34e-05
206	180	-2.69	-1.34	0.21	8.79e-04	0.0	-7.99e-05
206	201	1.19	2.80	-0.06	-1.83e-03	0.0	5.53e-05
206	209	3.15	1.66	-0.19	-1.08e-03	0.0	9.82e-05
206	212	-3.15	-1.61	0.24	1.05e-03	0.0	-9.47e-05
206	233	1.39	3.33	-0.07	-2.18e-03	0.0	6.48e-05
206	256	-0.08	0.04	0.04	-2.39e-05	0.0	3.76e-06
206	261	-0.13	0.02	0.02	-1.42e-05	0.0	3.50e-06
206	276	2.90e-03	0.95	0.03	-2.41e-04	0.0	2.14e-05
206	298	1.90e-03	0.03	0.03	-1.67e-05	0.0	1.86e-06
206	304	-0.03	0.01	0.01	-9.81e-06	0.0	1.55e-06
206	307	1.87e-03	0.21	0.03	-6.03e-05	0.0	5.63e-06
206	310	1.70e-03	0.02	0.03	-1.55e-05	0.0	1.74e-06
207	44	-0.06	0.02	0.03	-3.47e-05	0.0	2.23e-06
207	45	-0.06	8.81e-03	0.02	-1.72e-05	0.0	1.59e-06
207	68	2.36e-03	0.63	8.88e-03	-9.94e-04	0.0	4.28e-05
207	113	0.76	0.41	-0.19	-8.07e-04	0.0	2.46e-05
207	116	-0.76	-0.39	0.20	7.75e-04	0.0	-2.34e-05
207	137	0.33	0.82	-0.08	-1.62e-03	0.0	1.66e-05
207	145	0.85	0.46	-0.22	-9.11e-04	0.0	2.76e-05
207	148	-0.85	-0.44	0.23	8.79e-04	0.0	-2.64e-05
207	169	0.37	0.92	-0.09	-1.83e-03	0.0	1.86e-05
207	177	0.84	0.47	-0.21	-9.34e-04	0.0	2.76e-05
207	180	-0.84	-0.45	0.22	9.02e-04	0.0	-2.63e-05
207	201	0.37	0.95	-0.09	-1.88e-03	0.0	1.85e-05
207	209	0.99	0.56	-0.25	-1.11e-03	0.0	3.25e-05
207	212	-0.99	-0.55	0.26	1.08e-03	0.0	-3.13e-05
207	233	0.44	1.12	-0.11	-2.23e-03	0.0	2.18e-05
207	261	-0.04	7.66e-03	0.01	-1.50e-05	0.0	1.20e-06
207	264	-0.04	0.01	0.02	-2.38e-05	0.0	1.51e-06
207	276	1.63e-03	0.42	5.83e-03	-6.63e-04	0.0	2.86e-05
207	304	-7.73e-03	5.16e-03	4.19e-03	-1.02e-05	0.0	0.0
207	305	-7.06e-03	8.68e-03	7.55e-03	-1.72e-05	0.0	0.0
207	307	1.25e-03	0.09	4.99e-03	-1.45e-04	0.0	6.19e-06
207	310	1.20e-03	8.06e-03	5.01e-03	-1.60e-05	0.0	0.0
208	1	0.0	0.0	0.0	-9.79e-06	0.0	0.0
208	113	0.0	0.0	0.0	-8.10e-04	0.0	2.82e-06
208	145	0.0	0.0	0.0	-9.14e-04	0.0	3.16e-06
208	177	0.0	0.0	0.0	-9.37e-04	0.0	3.16e-06
208	209	0.0	0.0	0.0	-1.12e-03	0.0	3.71e-06
208	241	0.0	0.0	0.0	-7.18e-06	0.0	0.0
208	297	0.0	0.0	0.0	-9.00e-06	0.0	0.0
208	309	0.0	0.0	0.0	-9.00e-06	0.0	0.0
209	44	-0.13	0.04	0.05	-3.46e-05	0.0	4.36e-06
209	45	-0.13	0.02	0.03	-1.72e-05	0.0	3.11e-06
209	68	3.93e-03	1.13	0.02	-7.26e-04	0.0	5.44e-05
209	113	1.57	0.81	-0.34	-8.01e-04	0.0	5.01e-05
209	116	-1.57	-0.78	0.36	7.69e-04	0.0	-4.77e-05
209	137	0.69	1.63	-0.14	-1.61e-03	0.0	3.36e-05
209	145	1.77	0.92	-0.38	-9.03e-04	0.0	5.62e-05
209	148	-1.76	-0.88	0.40	8.71e-04	0.0	-5.39e-05
209	169	0.77	1.84	-0.16	-1.82e-03	0.0	3.77e-05
209	177	1.75	0.94	-0.37	-9.27e-04	0.0	5.61e-05
209	180	-1.75	-0.91	0.40	8.95e-04	0.0	-5.38e-05
209	201	0.77	1.89	-0.16	-1.86e-03	0.0	3.76e-05
209	209	2.05	1.12	-0.44	-1.11e-03	0.0	6.61e-05
209	212	-2.04	-1.09	0.46	1.07e-03	0.0	-6.38e-05
209	233	0.91	2.24	-0.19	-2.21e-03	0.0	4.41e-05
209	261	-0.09	0.02	0.02	-1.50e-05	0.0	2.35e-06
209	264	-0.08	0.02	0.03	-2.37e-05	0.0	2.96e-06
209	276	2.71e-03	0.75	0.01	-4.85e-04	0.0	3.63e-05
209	304	-0.02	0.01	7.89e-03	-1.02e-05	0.0	1.05e-06
209	305	-0.02	0.02	0.01	-1.71e-05	0.0	1.51e-06
209	307	1.97e-03	0.16	0.01	-1.09e-04	0.0	8.18e-06
209	310	1.87e-03	0.02	0.01	-1.59e-05	0.0	1.18e-06
210	44	-0.20	0.05	0.07	-3.45e-05	0.0	6.46e-06
210	45	-0.20	0.03	0.04	-1.71e-05	0.0	4.63e-06
210	68	3.98e-03	1.43	0.03	-3.62e-04	0.0	5.85e-05
210	113	2.42	1.21	-0.44	-7.90e-04	0.0	7.44e-05
210	116	-2.41	-1.16	0.47	7.59e-04	0.0	-7.09e-05
210	137	1.06	2.43	-0.18	-1.59e-03	0.0	4.94e-05

210	145	2.72	1.37	-0.49	-8.92e-04	0.0	8.35e-05
210	148	-2.71	-1.32	0.53	8.60e-04	0.0	-8.00e-05
210	169	1.19	2.75	-0.21	-1.80e-03	0.0	5.54e-05
210	177	2.69	1.40	-0.49	-9.15e-04	0.0	8.33e-05
210	180	-2.69	-1.35	0.52	8.83e-04	0.0	-7.99e-05
210	201	1.19	2.82	-0.21	-1.84e-03	0.0	5.53e-05
210	209	3.15	1.67	-0.58	-1.09e-03	0.0	9.82e-05
210	212	-3.15	-1.62	0.61	1.06e-03	0.0	-9.47e-05
210	233	1.39	3.35	-0.25	-2.19e-03	0.0	6.48e-05
210	261	-0.13	0.02	0.03	-1.50e-05	0.0	3.49e-06
210	264	-0.13	0.04	0.05	-2.37e-05	0.0	4.39e-06
210	276	2.74e-03	0.96	0.02	-2.42e-04	0.0	3.91e-05
210	304	-0.03	0.02	0.01	-1.01e-05	0.0	1.55e-06
210	305	-0.02	0.03	0.02	-1.71e-05	0.0	2.23e-06
210	307	1.72e-03	0.21	0.02	-6.07e-05	0.0	9.17e-06
210	310	1.55e-03	0.02	0.02	-1.59e-05	0.0	1.74e-06
211	28	-0.16	0.07	0.09	-3.49e-05	0.0	7.23e-06
211	41	-0.27	0.04	0.04	-2.03e-05	0.0	6.74e-06
211	68	3.17e-03	1.50	0.06	2.69e-05	0.0	3.01e-05
211	113	3.28	1.59	-0.20	-7.76e-04	0.0	9.85e-05
211	116	-3.28	-1.53	0.27	7.45e-04	0.0	-9.39e-05
211	137	1.44	3.21	-0.07	-1.56e-03	0.0	6.42e-05
211	145	3.69	1.80	-0.22	-8.75e-04	0.0	1.11e-04
211	148	-3.69	-1.73	0.30	8.44e-04	0.0	-1.06e-04
211	169	1.62	3.62	-0.08	-1.76e-03	0.0	7.20e-05
211	177	3.65	1.84	-0.22	-8.97e-04	0.0	1.10e-04
211	180	-3.65	-1.78	0.29	8.66e-04	0.0	-1.06e-04
211	201	1.61	3.71	-0.08	-1.81e-03	0.0	7.17e-05
211	209	4.28	2.20	-0.27	-1.07e-03	0.0	1.30e-04
211	212	-4.28	-2.13	0.34	1.04e-03	0.0	-1.25e-04
211	233	1.89	4.41	-0.10	-2.15e-03	0.0	8.41e-05
211	256	-0.11	0.05	0.06	-2.39e-05	0.0	4.93e-06
211	261	-0.18	0.03	0.03	-1.42e-05	0.0	4.60e-06
211	276	2.17e-03	1.00	0.04	1.73e-05	0.0	2.02e-05
211	298	8.19e-04	0.03	0.04	-1.66e-05	0.0	2.42e-06
211	304	-0.04	0.02	0.02	-9.79e-06	0.0	2.02e-06
211	307	8.95e-04	0.22	0.04	-8.59e-06	0.0	5.79e-06
211	310	6.52e-04	0.03	0.04	-1.55e-05	0.0	2.27e-06
212	28	-0.21	0.09	0.12	-3.48e-05	0.0	8.81e-06
212	41	-0.35	0.05	0.06	-2.03e-05	0.0	8.26e-06
212	68	2.99e-03	1.36	0.08	3.76e-04	0.0	2.23e-05
212	113	4.18	1.98	-0.25	-7.65e-04	0.0	1.22e-04
212	116	-4.18	-1.90	0.35	7.34e-04	0.0	-1.16e-04
212	137	1.83	3.98	-0.08	-1.54e-03	0.0	7.67e-05
212	145	4.70	2.23	-0.28	-8.63e-04	0.0	1.37e-04
212	148	-4.70	-2.15	0.38	8.32e-04	0.0	-1.31e-04
212	169	2.06	4.50	-0.10	-1.74e-03	0.0	8.60e-05
212	177	4.65	2.29	-0.28	-8.84e-04	0.0	1.36e-04
212	180	-4.65	-2.21	0.38	8.53e-04	0.0	-1.31e-04
212	201	2.05	4.61	-0.10	-1.78e-03	0.0	8.55e-05
212	209	5.45	2.73	-0.34	-1.05e-03	0.0	1.60e-04
212	212	-5.45	-2.65	0.44	1.02e-03	0.0	-1.55e-04
212	233	2.41	5.48	-0.13	-2.12e-03	0.0	1.00e-04
212	256	-0.14	0.06	0.08	-2.38e-05	0.0	6.01e-06
212	261	-0.23	0.04	0.04	-1.41e-05	0.0	5.64e-06
212	276	2.01e-03	0.91	0.06	2.50e-04	0.0	1.50e-05
212	298	2.84e-04	0.04	0.05	-1.66e-05	0.0	2.91e-06
212	304	-0.05	0.02	0.03	-9.78e-06	0.0	2.45e-06
212	307	4.17e-04	0.21	0.05	3.79e-05	0.0	5.12e-06
212	309	-9.89e-04	0.02	0.02	-8.69e-06	0.0	1.65e-06
212	310	1.02e-04	0.04	0.05	-1.55e-05	0.0	2.73e-06
213	41	-0.27	0.04	0.06	-2.14e-05	0.0	6.73e-06
213	44	-0.27	0.07	0.08	-3.44e-05	0.0	8.48e-06
213	68	2.75e-03	1.51	0.04	2.98e-05	0.0	5.65e-05
213	113	3.28	1.60	-0.50	-7.78e-04	0.0	9.85e-05
213	116	-3.28	-1.54	0.54	7.46e-04	0.0	-9.39e-05
213	137	1.44	3.22	-0.21	-1.57e-03	0.0	6.40e-05
213	145	3.69	1.81	-0.57	-8.78e-04	0.0	1.11e-04
213	148	-3.69	-1.75	0.61	8.46e-04	0.0	-1.06e-04
213	169	1.62	3.64	-0.24	-1.77e-03	0.0	7.18e-05
213	177	3.65	1.86	-0.56	-9.00e-04	0.0	1.10e-04
213	180	-3.65	-1.79	0.60	8.69e-04	0.0	-1.06e-04
213	201	1.61	3.73	-0.24	-1.81e-03	0.0	7.15e-05
213	209	4.28	2.21	-0.66	-1.07e-03	0.0	1.30e-04
213	212	-4.28	-2.15	0.70	1.04e-03	0.0	-1.25e-04

213	233	1.89	4.44	-0.28	-2.15e-03	0.0	8.39e-05
213	261	-0.18	0.03	0.04	-1.49e-05	0.0	4.60e-06
213	264	-0.18	0.05	0.05	-2.36e-05	0.0	5.77e-06
213	276	1.88e-03	1.01	0.02	1.93e-05	0.0	3.78e-05
213	304	-0.04	0.02	0.01	-1.01e-05	0.0	2.02e-06
213	305	-0.04	0.03	0.03	-1.70e-05	0.0	2.91e-06
213	307	6.29e-04	0.23	0.02	-8.47e-06	0.0	9.31e-06
213	309	-5.14e-04	0.02	7.10e-03	-8.90e-06	0.0	1.37e-06
213	310	3.86e-04	0.03	0.02	-1.58e-05	0.0	2.26e-06
214	41	-0.35	0.05	0.06	-2.13e-05	0.0	8.24e-06
214	44	-0.35	0.09	0.09	-3.42e-05	0.0	1.04e-05
214	68	1.69e-03	1.37	0.04	3.81e-04	0.0	4.72e-05
214	116	-4.19	-1.91	0.58	7.33e-04	0.0	-1.16e-04
214	137	1.83	4.00	-0.22	-1.54e-03	0.0	7.59e-05
214	148	-4.71	-2.16	0.64	8.31e-04	0.0	-1.31e-04
214	169	2.06	4.52	-0.25	-1.74e-03	0.0	8.51e-05
214	180	-4.66	-2.22	0.64	8.54e-04	0.0	-1.31e-04
214	201	2.06	4.63	-0.25	-1.78e-03	0.0	8.45e-05
214	212	-5.46	-2.67	0.74	1.03e-03	0.0	-1.55e-04
214	233	2.41	5.50	-0.30	-2.12e-03	0.0	9.90e-05
214	261	-0.23	0.04	0.04	-1.48e-05	0.0	5.62e-06
214	264	-0.23	0.06	0.06	-2.34e-05	0.0	7.03e-06
214	276	1.11e-03	0.92	0.03	2.54e-04	0.0	3.16e-05
214	304	-0.05	0.03	0.01	-1.00e-05	0.0	2.44e-06
214	305	-0.05	0.04	0.03	-1.70e-05	0.0	3.51e-06
214	307	-4.01e-04	0.21	0.02	3.85e-05	0.0	8.43e-06
214	309	-1.47e-03	0.02	8.16e-03	-8.84e-06	0.0	1.64e-06
214	310	-7.17e-04	0.04	0.02	-1.58e-05	0.0	2.72e-06
215	28	-0.23	0.10	0.16	-3.48e-05	0.0	1.00e-05
215	45	-0.41	0.05	0.06	-1.61e-05	0.0	8.65e-06
215	68	0.02	1.08	0.12	6.07e-04	0.0	1.10e-05
215	113	5.03	2.32	-0.29	-7.57e-04	0.0	1.43e-04
215	116	-5.01	-2.23	0.43	7.26e-04	0.0	-1.37e-04
215	137	2.20	4.67	-0.09	-1.52e-03	0.0	8.48e-05
215	145	5.65	2.62	-0.34	-8.54e-04	0.0	1.61e-04
215	148	-5.63	-2.52	0.48	8.23e-04	0.0	-1.55e-04
215	169	2.48	5.27	-0.11	-1.72e-03	0.0	9.51e-05
215	177	5.60	2.68	-0.34	-8.76e-04	0.0	1.60e-04
215	180	-5.58	-2.59	0.47	8.45e-04	0.0	-1.54e-04
215	201	2.47	5.41	-0.11	-1.77e-03	0.0	9.40e-05
215	209	6.55	3.20	-0.40	-1.04e-03	0.0	1.88e-04
215	212	-6.53	-3.10	0.54	1.01e-03	0.0	-1.82e-04
215	233	2.90	6.42	-0.15	-2.10e-03	0.0	1.10e-04
215	256	-0.15	0.07	0.11	-2.38e-05	0.0	6.84e-06
215	261	-0.27	0.04	0.05	-1.41e-05	0.0	6.48e-06
215	276	0.01	0.72	0.08	4.04e-04	0.0	7.47e-06
215	298	0.01	0.05	0.08	-1.66e-05	0.0	3.27e-06
215	304	-0.05	0.03	0.04	-9.77e-06	0.0	2.77e-06
215	307	9.68e-03	0.18	0.07	6.88e-05	0.0	3.87e-06
215	310	9.31e-03	0.05	0.07	-1.55e-05	0.0	3.07e-06
216	28	-0.29	0.12	0.22	-2.03e-04	0.0	1.28e-05
216	43	-0.47	0.11	0.19	-1.63e-04	0.0	1.53e-05
216	68	-9.03e-03	0.65	0.16	-1.28e-03	0.0	-1.17e-04
216	116	-5.48	-2.55	0.54	7.47e-04	0.0	-1.52e-04
216	137	2.38	5.34	-0.10	-1.85e-03	0.0	-1.53e-05
216	148	-6.15	-2.89	0.59	8.59e-04	0.0	-1.72e-04
216	169	2.68	6.04	-0.12	-2.07e-03	0.0	-1.77e-05
216	180	-6.09	-2.96	0.59	8.85e-04	0.0	-1.71e-04
216	201	2.68	6.19	-0.12	-2.13e-03	0.0	-1.73e-05
216	212	-7.13	-3.55	0.67	1.08e-03	0.0	-2.02e-04
216	233	3.15	7.35	-0.16	-2.51e-03	0.0	-2.10e-05
216	256	-0.19	0.08	0.15	-1.40e-04	0.0	8.71e-06
216	263	-0.31	0.08	0.13	-1.14e-04	0.0	1.04e-05
216	276	-6.33e-03	0.44	0.11	-8.62e-04	0.0	-7.77e-05
216	298	-8.61e-03	0.06	0.11	-1.13e-04	0.0	3.87e-06
216	305	-0.07	0.06	0.10	-1.06e-04	0.0	4.94e-06
216	307	-7.82e-03	0.13	0.10	-2.54e-04	0.0	-1.27e-05
216	310	-8.27e-03	0.05	0.10	-1.06e-04	0.0	3.63e-06
217	44	-0.40	0.10	0.10	-3.40e-05	0.0	1.18e-05
217	45	-0.41	0.05	0.05	-1.69e-05	0.0	8.59e-06
217	68	0.01	1.08	0.05	6.12e-04	0.0	2.85e-05
217	113	5.01	2.33	-0.51	-7.55e-04	0.0	1.43e-04
217	116	-5.00	-2.23	0.57	7.24e-04	0.0	-1.37e-04
217	137	2.19	4.68	-0.21	-1.52e-03	0.0	8.26e-05
217	145	5.63	2.63	-0.57	-8.52e-04	0.0	1.61e-04

217	148	-5.62	-2.53	0.63	8.20e-04	0.0	-1.55e-04
217	169	2.47	5.29	-0.24	-1.72e-03	0.0	9.26e-05
217	177	5.57	2.70	-0.57	-8.74e-04	0.0	1.60e-04
217	180	-5.56	-2.60	0.63	8.43e-04	0.0	-1.54e-04
217	201	2.46	5.43	-0.24	-1.76e-03	0.0	9.13e-05
217	209	6.53	3.22	-0.67	-1.04e-03	0.0	1.88e-04
217	212	-6.52	-3.12	0.73	1.01e-03	0.0	-1.82e-04
217	233	2.89	6.45	-0.28	-2.10e-03	0.0	1.07e-04
217	261	-0.27	0.04	0.04	-1.47e-05	0.0	6.43e-06
217	264	-0.27	0.07	0.07	-2.33e-05	0.0	8.01e-06
217	276	7.84e-03	0.72	0.03	4.07e-04	0.0	1.92e-05
217	304	-0.05	0.03	0.02	-9.98e-06	0.0	2.74e-06
217	305	-0.05	0.05	0.04	-1.69e-05	0.0	3.95e-06
217	307	5.29e-03	0.18	0.03	6.93e-05	0.0	6.19e-06
217	310	4.91e-03	0.05	0.03	-1.57e-05	0.0	3.03e-06
218	28	-0.29	0.12	0.12	-2.04e-04	0.0	9.60e-06
218	43	-0.47	0.12	0.11	-1.64e-04	0.0	1.13e-05
218	68	-9.20e-03	0.65	0.07	-1.22e-03	-1.50e-05	-3.33e-06
218	116	-5.48	-2.56	0.53	7.74e-04	8.68e-06	-1.68e-04
218	137	2.39	5.36	-0.18	-1.90e-03	2.73e-06	-7.69e-06
218	148	-6.16	-2.90	0.59	8.90e-04	9.65e-06	-1.89e-04
218	169	2.69	6.05	-0.20	-2.14e-03	3.07e-06	-9.08e-06
218	180	-6.10	-2.98	0.58	9.18e-04	9.15e-06	-1.88e-04
218	201	2.68	6.21	-0.20	-2.19e-03	3.24e-06	-8.41e-06
218	212	-7.15	-3.57	0.68	1.12e-03	1.04e-05	-2.21e-04
218	233	3.15	7.38	-0.25	-2.59e-03	3.86e-06	-1.04e-05
218	256	-0.19	0.08	0.08	-1.41e-04	0.0	6.53e-06
218	263	-0.31	0.08	0.07	-1.15e-04	0.0	7.69e-06
218	276	-6.45e-03	0.44	0.05	-8.18e-04	-1.00e-05	-2.09e-06
218	305	-0.07	0.06	0.05	-1.07e-04	0.0	3.75e-06
218	307	-7.98e-03	0.13	0.04	-2.46e-04	-1.79e-06	1.77e-06
218	310	-8.43e-03	0.05	0.04	-1.07e-04	0.0	2.82e-06
219	1	0.0	0.0	0.0	-1.11e-05	0.0	0.0
219	113	0.0	0.0	0.0	-8.18e-04	0.0	3.37e-06
219	145	0.0	0.0	0.0	-9.23e-04	0.0	3.76e-06
219	177	0.0	0.0	0.0	-9.52e-04	0.0	3.70e-06
219	209	0.0	0.0	0.0	-1.14e-03	0.0	4.28e-06
219	241	0.0	0.0	0.0	-8.17e-06	0.0	0.0
219	297	0.0	0.0	0.0	-1.06e-05	0.0	0.0
219	309	0.0	0.0	0.0	-1.06e-05	0.0	0.0
220	41	-0.04	0.01	-0.02	-2.67e-05	0.0	0.0
220	44	-0.04	0.02	-0.02	-4.21e-05	0.0	1.37e-06
220	68	-2.27e-03	0.10	-6.04e-03	-2.00e-04	0.0	5.95e-06
220	116	-0.51	-0.39	-0.15	7.78e-04	0.0	-2.93e-05
220	137	0.22	0.82	0.06	-1.62e-03	0.0	-1.85e-06
220	148	-0.58	-0.44	-0.17	8.83e-04	0.0	-3.30e-05
220	169	0.25	0.92	0.07	-1.83e-03	0.0	-2.17e-06
220	180	-0.57	-0.46	-0.17	9.12e-04	0.0	-3.24e-05
220	201	0.25	0.95	0.07	-1.88e-03	0.0	-1.88e-06
220	212	-0.67	-0.55	-0.19	1.10e-03	0.0	-3.78e-05
220	233	0.29	1.12	0.08	-2.23e-03	0.0	-2.42e-06
220	261	-0.03	9.25e-03	-0.01	-1.86e-05	0.0	0.0
220	264	-0.03	0.01	-0.01	-2.88e-05	0.0	0.0
220	276	-1.58e-03	0.07	-4.79e-03	-1.34e-04	0.0	4.00e-06
220	304	-6.54e-03	6.03e-03	-7.37e-03	-1.22e-05	0.0	0.0
220	305	-7.08e-03	0.01	-7.02e-03	-2.03e-05	0.0	0.0
220	307	-1.50e-03	0.02	-5.13e-03	-4.14e-05	0.0	1.54e-06
220	309	-9.81e-04	5.23e-03	-5.51e-03	-1.06e-05	0.0	0.0
220	310	-1.52e-03	9.24e-03	-5.16e-03	-1.87e-05	0.0	0.0
221	44	-0.04	0.02	-5.64e-03	-4.26e-05	0.0	1.38e-06
221	68	-2.28e-03	0.10	-5.56e-03	-2.02e-04	0.0	5.97e-06
221	89	-1.44e-03	-0.04	-6.87e-03	7.07e-05	0.0	-1.43e-06
221	116	-0.51	-0.39	-4.36e-03	7.78e-04	0.0	-2.93e-05
221	137	0.22	0.81	-4.01e-03	-1.62e-03	0.0	-1.84e-06
221	138	0.05	-0.68	-6.06e-03	1.36e-03	0.0	2.45e-05
221	148	-0.58	-0.44	-4.31e-03	8.83e-04	0.0	-3.30e-05
221	169	0.25	0.92	-3.90e-03	-1.83e-03	0.0	-2.17e-06
221	170	0.06	-0.77	-6.22e-03	1.54e-03	0.0	2.74e-05
221	180	-0.57	-0.46	-4.34e-03	9.12e-04	0.0	-3.24e-05
221	201	0.25	0.94	-3.86e-03	-1.88e-03	0.0	-1.87e-06
221	202	0.06	-0.80	-6.24e-03	1.58e-03	0.0	2.66e-05
221	212	-0.67	-0.55	-4.27e-03	1.10e-03	0.0	-3.78e-05
221	233	0.29	1.12	-3.68e-03	-2.23e-03	0.0	-2.42e-06
221	234	0.06	-0.95	-6.50e-03	1.89e-03	0.0	3.10e-05
221	264	-0.03	0.01	-4.51e-03	-2.92e-05	0.0	0.0

221	276	-1.58e-03	0.07	-4.46e-03	-1.36e-04	0.0	4.01e-06
221	285	-1.02e-03	-0.02	-5.33e-03	4.64e-05	0.0	0.0
221	305	-7.08e-03	0.01	-4.80e-03	-2.06e-05	0.0	0.0
221	307	-1.50e-03	0.02	-4.79e-03	-4.19e-05	0.0	1.54e-06
221	308	-9.89e-04	-3.31e-04	-5.28e-03	0.0	0.0	0.0
221	309	-9.81e-04	5.38e-03	-5.27e-03	-1.08e-05	0.0	0.0
221	310	-1.52e-03	9.52e-03	-4.81e-03	-1.90e-05	0.0	0.0
222	1	0.0	0.0	0.0	-1.14e-05	0.0	0.0
222	113	0.0	0.0	0.0	-8.18e-04	0.0	3.39e-06
222	145	0.0	0.0	0.0	-9.23e-04	0.0	3.78e-06
222	177	0.0	0.0	0.0	-9.53e-04	0.0	3.72e-06
222	209	0.0	0.0	0.0	-1.14e-03	0.0	4.29e-06
222	241	0.0	0.0	0.0	-8.38e-06	0.0	0.0
222	297	0.0	0.0	0.0	-1.08e-05	0.0	0.0
222	309	0.0	0.0	0.0	-1.08e-05	0.0	0.0
223	41	-0.11	0.03	-0.04	-2.67e-05	0.0	0.0
223	44	-0.11	0.04	-0.03	-4.21e-05	0.0	2.66e-06
223	68	-5.08e-03	0.20	-0.01	-2.00e-04	0.0	1.15e-05
223	116	-1.23	-0.78	-0.26	7.72e-04	0.0	-5.93e-05
223	137	0.53	1.63	0.10	-1.61e-03	0.0	-3.74e-06
223	148	-1.39	-0.89	-0.29	8.76e-04	0.0	-6.68e-05
223	169	0.60	1.84	0.11	-1.82e-03	0.0	-4.40e-06
223	180	-1.37	-0.92	-0.29	9.05e-04	0.0	-6.56e-05
223	201	0.60	1.89	0.11	-1.87e-03	0.0	-3.80e-06
223	212	-1.61	-1.10	-0.34	1.09e-03	0.0	-7.66e-05
223	233	0.71	2.24	0.14	-2.22e-03	0.0	-4.89e-06
223	261	-0.07	0.02	-0.03	-1.86e-05	0.0	0.0
223	264	-0.07	0.03	-0.02	-2.89e-05	0.0	1.84e-06
223	276	-3.52e-03	0.13	-9.04e-03	-1.34e-04	0.0	7.76e-06
223	304	-0.02	0.01	-0.01	-1.22e-05	0.0	0.0
223	305	-0.02	0.02	-0.01	-2.03e-05	0.0	1.80e-06
223	307	-3.39e-03	0.04	-9.72e-03	-4.14e-05	0.0	2.98e-06
223	309	-2.25e-03	0.01	-0.01	-1.06e-05	0.0	1.02e-06
223	310	-3.43e-03	0.02	-9.78e-03	-1.87e-05	0.0	1.86e-06
224	44	-0.11	0.04	-0.01	-4.26e-05	0.0	2.67e-06
224	68	-5.08e-03	0.20	-0.01	-2.02e-04	0.0	1.15e-05
224	89	-3.32e-03	-0.07	-0.01	7.07e-05	0.0	-2.77e-06
224	116	-1.23	-0.78	-8.36e-03	7.71e-04	0.0	-5.93e-05
224	137	0.53	1.62	-7.66e-03	-1.61e-03	0.0	-3.74e-06
224	138	0.13	-1.36	-0.01	1.35e-03	0.0	4.94e-05
224	148	-1.39	-0.89	-8.26e-03	8.76e-04	0.0	-6.68e-05
224	169	0.60	1.83	-7.45e-03	-1.81e-03	0.0	-4.40e-06
224	170	0.14	-1.55	-0.01	1.53e-03	0.0	5.52e-05
224	180	-1.37	-0.92	-8.32e-03	9.05e-04	0.0	-6.56e-05
224	201	0.60	1.88	-7.38e-03	-1.86e-03	0.0	-3.80e-06
224	202	0.13	-1.59	-0.01	1.57e-03	0.0	5.37e-05
224	212	-1.61	-1.10	-8.19e-03	1.09e-03	0.0	-7.66e-05
224	233	0.71	2.24	-7.01e-03	-2.21e-03	0.0	-4.89e-06
224	234	0.15	-1.89	-0.01	1.87e-03	0.0	6.24e-05
224	264	-0.07	0.03	-8.67e-03	-2.92e-05	0.0	1.84e-06
224	276	-3.52e-03	0.14	-8.56e-03	-1.36e-04	0.0	7.76e-06
224	285	-2.35e-03	-0.05	-0.01	4.64e-05	0.0	-1.78e-06
224	305	-0.02	0.02	-9.24e-03	-2.06e-05	0.0	1.80e-06
224	307	-3.39e-03	0.04	-9.22e-03	-4.19e-05	0.0	2.99e-06
224	308	-2.27e-03	-6.63e-04	-0.01	0.0	0.0	0.0
224	309	-2.25e-03	0.01	-0.01	-1.08e-05	0.0	1.03e-06
224	310	-3.43e-03	0.02	-9.28e-03	-1.90e-05	0.0	1.86e-06
225	41	-0.18	0.04	-0.05	-2.67e-05	0.0	1.45e-06
225	44	-0.18	0.06	-0.05	-4.21e-05	0.0	3.96e-06
225	68	-7.98e-03	0.30	-0.02	-2.00e-04	0.0	1.71e-05
225	116	-2.10	-1.17	-0.33	7.63e-04	0.0	-8.80e-05
225	137	0.91	2.43	0.13	-1.59e-03	0.0	-5.40e-06
225	148	-2.36	-1.32	-0.37	8.66e-04	0.0	-9.92e-05
225	169	1.02	2.75	0.14	-1.80e-03	0.0	-6.35e-06
225	180	-2.33	-1.37	-0.36	8.95e-04	0.0	-9.74e-05
225	201	1.02	2.82	0.14	-1.85e-03	0.0	-5.49e-06
225	212	-2.73	-1.65	-0.42	1.08e-03	0.0	-1.14e-04
225	233	1.20	3.35	0.17	-2.19e-03	0.0	-7.07e-06
225	261	-0.12	0.03	-0.03	-1.86e-05	0.0	1.07e-06
225	264	-0.12	0.04	-0.03	-2.89e-05	0.0	2.74e-06
225	276	-5.53e-03	0.20	-0.01	-1.34e-04	0.0	1.15e-05
225	304	-0.03	0.02	-0.02	-1.22e-05	0.0	1.43e-06
225	305	-0.03	0.03	-0.02	-2.03e-05	0.0	2.68e-06
225	307	-5.39e-03	0.06	-0.01	-4.14e-05	0.0	4.43e-06
225	309	-3.62e-03	0.02	-0.02	-1.06e-05	0.0	1.52e-06

225	310	-5.46e-03	0.03	-0.01	-1.87e-05	0.0	2.77e-06
226	44	-0.18	0.06	-0.02	-4.26e-05	0.0	3.96e-06
226	68	-7.98e-03	0.30	-0.02	-2.02e-04	0.0	1.71e-05
226	89	-5.39e-03	-0.11	-0.02	7.07e-05	0.0	-4.11e-06
226	116	-2.10	-1.16	-0.01	7.62e-04	0.0	-8.80e-05
226	137	0.91	2.42	-0.01	-1.59e-03	0.0	-5.40e-06
226	138	0.22	-2.04	-0.02	1.33e-03	0.0	7.32e-05
226	148	-2.36	-1.32	-0.01	8.65e-04	0.0	-9.92e-05
226	169	1.02	2.74	-0.01	-1.79e-03	0.0	-6.35e-06
226	170	0.24	-2.31	-0.02	1.51e-03	0.0	8.18e-05
226	180	-2.33	-1.37	-0.01	8.95e-04	0.0	-9.74e-05
226	201	1.02	2.81	-0.01	-1.84e-03	0.0	-5.49e-06
226	202	0.23	-2.37	-0.02	1.55e-03	0.0	7.96e-05
226	212	-2.73	-1.65	-0.01	1.08e-03	0.0	-1.14e-04
226	233	1.20	3.34	-0.01	-2.19e-03	0.0	-7.07e-06
226	234	0.26	-2.83	-0.02	1.85e-03	0.0	9.25e-05
226	264	-0.12	0.04	-0.01	-2.92e-05	0.0	2.74e-06
226	276	-5.53e-03	0.20	-0.01	-1.36e-04	0.0	1.15e-05
226	285	-3.80e-03	-0.07	-0.02	4.64e-05	0.0	-2.64e-06
226	305	-0.03	0.03	-0.01	-2.06e-05	0.0	2.68e-06
226	307	-5.39e-03	0.06	-0.01	-4.19e-05	0.0	4.43e-06
226	308	-3.66e-03	-9.94e-04	-0.01	0.0	0.0	0.0
226	309	-3.62e-03	0.02	-0.01	-1.08e-05	0.0	1.52e-06
226	310	-5.46e-03	0.03	-0.01	-1.90e-05	0.0	2.77e-06
227	15	0.02	4.76e-03	-0.01	-9.31e-06	0.0	0.0
227	44	-0.04	0.02	8.91e-03	-4.30e-05	0.0	1.37e-06
227	68	-2.27e-03	0.10	-5.09e-03	-2.04e-04	0.0	5.95e-06
227	113	0.51	0.41	-0.15	-8.16e-04	0.0	3.12e-05
227	116	-0.51	-0.39	0.14	7.77e-04	0.0	-2.93e-05
227	137	0.22	0.81	-0.07	-1.61e-03	0.0	-1.85e-06
227	145	0.57	0.46	-0.17	-9.22e-04	0.0	3.49e-05
227	148	-0.58	-0.44	0.16	8.83e-04	0.0	-3.30e-05
227	169	0.25	0.92	-0.08	-1.82e-03	0.0	-2.17e-06
227	177	0.57	0.48	-0.17	-9.52e-04	0.0	3.43e-05
227	180	-0.57	-0.46	0.16	9.13e-04	0.0	-3.24e-05
227	201	0.25	0.94	-0.08	-1.87e-03	0.0	-1.88e-06
227	209	0.66	0.57	-0.19	-1.14e-03	0.0	3.98e-05
227	212	-0.67	-0.55	0.19	1.10e-03	0.0	-3.78e-05
227	233	0.29	1.12	-0.09	-2.22e-03	0.0	-2.42e-06
227	248	0.01	3.57e-03	-9.76e-03	-7.00e-06	0.0	0.0
227	264	-0.03	0.01	5.20e-03	-2.95e-05	0.0	0.0
227	276	-1.58e-03	0.07	-4.14e-03	-1.37e-04	0.0	4.00e-06
227	302	1.80e-03	5.15e-03	-5.98e-03	-1.02e-05	0.0	0.0
227	305	-7.08e-03	0.01	-2.59e-03	-2.10e-05	0.0	0.0
227	307	-1.50e-03	0.02	-4.46e-03	-4.24e-05	0.0	1.54e-06
227	309	-9.81e-04	5.54e-03	-5.04e-03	-1.09e-05	0.0	0.0
227	310	-1.52e-03	9.81e-03	-4.48e-03	-1.94e-05	0.0	0.0
228	1	0.0	0.0	0.0	-1.17e-05	0.0	0.0
228	113	0.0	0.0	0.0	-8.18e-04	0.0	3.37e-06
228	145	0.0	0.0	0.0	-9.24e-04	0.0	3.76e-06
228	177	0.0	0.0	0.0	-9.55e-04	0.0	3.70e-06
228	209	0.0	0.0	0.0	-1.14e-03	0.0	4.28e-06
228	241	0.0	0.0	0.0	-8.59e-06	0.0	0.0
228	297	0.0	0.0	0.0	-1.10e-05	0.0	0.0
228	309	0.0	0.0	0.0	-1.10e-05	0.0	0.0
229	15	0.05	9.51e-03	-0.02	-9.30e-06	0.0	1.67e-06
229	44	-0.11	0.04	0.01	-4.30e-05	0.0	2.66e-06
229	68	-5.08e-03	0.21	-0.01	-2.04e-04	0.0	1.15e-05
229	113	1.23	0.82	-0.26	-8.10e-04	0.0	6.30e-05
229	116	-1.23	-0.78	0.24	7.71e-04	0.0	-5.93e-05
229	137	0.53	1.62	-0.12	-1.60e-03	0.0	-3.74e-06
229	145	1.38	0.93	-0.29	-9.15e-04	0.0	7.05e-05
229	148	-1.39	-0.89	0.27	8.76e-04	0.0	-6.68e-05
229	169	0.60	1.83	-0.13	-1.81e-03	0.0	-4.40e-06
229	177	1.37	0.96	-0.29	-9.45e-04	0.0	6.93e-05
229	180	-1.37	-0.92	0.27	9.06e-04	0.0	-6.56e-05
229	201	0.60	1.88	-0.13	-1.86e-03	0.0	-3.80e-06
229	209	1.60	1.14	-0.34	-1.13e-03	0.0	8.03e-05
229	212	-1.61	-1.10	0.32	1.09e-03	0.0	-7.66e-05
229	233	0.71	2.23	-0.15	-2.21e-03	0.0	-4.89e-06
229	248	0.03	7.14e-03	-0.02	-6.99e-06	0.0	1.18e-06
229	264	-0.07	0.03	7.38e-03	-2.95e-05	0.0	1.84e-06
229	276	-3.52e-03	0.14	-8.13e-03	-1.37e-04	0.0	7.76e-06
229	302	4.59e-03	0.01	-0.01	-1.02e-05	0.0	1.06e-06
229	305	-0.02	0.02	-5.67e-03	-2.09e-05	0.0	1.80e-06

229	307	-3.39e-03	0.04	-8.77e-03	-4.24e-05	0.0	2.98e-06
229	309	-2.25e-03	0.01	-9.86e-03	-1.09e-05	0.0	1.02e-06
229	310	-3.43e-03	0.02	-8.81e-03	-1.94e-05	0.0	1.86e-06
230	15	0.08	0.01	-0.03	-9.29e-06	0.0	2.47e-06
230	44	-0.18	0.07	0.01	-4.30e-05	0.0	3.96e-06
230	68	-7.99e-03	0.31	-0.01	-2.04e-04	0.0	1.71e-05
230	113	2.09	1.22	-0.33	-8.01e-04	0.0	9.36e-05
230	116	-2.10	-1.16	0.30	7.62e-04	0.0	-8.80e-05
230	137	0.91	2.41	-0.15	-1.58e-03	0.0	-5.40e-06
230	145	2.35	1.38	-0.37	-9.04e-04	0.0	1.05e-04
230	148	-2.36	-1.32	0.34	8.66e-04	0.0	-9.92e-05
230	169	1.02	2.73	-0.17	-1.79e-03	0.0	-6.35e-06
230	177	2.32	1.43	-0.37	-9.34e-04	0.0	1.03e-04
230	180	-2.33	-1.37	0.34	8.96e-04	0.0	-9.74e-05
230	201	1.02	2.80	-0.17	-1.84e-03	0.0	-5.49e-06
230	209	2.72	1.71	-0.43	-1.12e-03	0.0	1.19e-04
230	212	-2.73	-1.65	0.40	1.08e-03	0.0	-1.14e-04
230	233	1.20	3.33	-0.19	-2.18e-03	0.0	-7.07e-06
230	248	0.06	0.01	-0.02	-6.99e-06	0.0	1.75e-06
230	264	-0.12	0.04	7.18e-03	-2.95e-05	0.0	2.74e-06
230	276	-5.53e-03	0.21	-0.01	-1.37e-04	0.0	1.15e-05
230	302	8.11e-03	0.02	-0.02	-1.01e-05	0.0	1.57e-06
230	305	-0.03	0.03	-9.19e-03	-2.09e-05	0.0	2.68e-06
230	307	-5.39e-03	0.06	-0.01	-4.24e-05	0.0	4.43e-06
230	309	-3.62e-03	0.02	-0.01	-1.09e-05	0.0	1.52e-06
230	310	-5.46e-03	0.03	-0.01	-1.94e-05	0.0	2.77e-06
231	41	-0.26	0.05	-0.06	-2.68e-05	0.0	1.93e-06
231	44	-0.27	0.08	-0.05	-4.21e-05	0.0	5.25e-06
231	68	-0.01	0.40	-0.02	-2.00e-04	0.0	2.27e-05
231	116	-3.04	-1.55	-0.36	7.52e-04	0.0	-1.17e-04
231	137	1.32	3.22	0.13	-1.57e-03	0.0	-6.88e-06
231	148	-3.41	-1.75	-0.40	8.54e-04	0.0	-1.32e-04
231	169	1.48	3.64	0.15	-1.78e-03	0.0	-8.12e-06
231	180	-3.38	-1.81	-0.40	8.82e-04	0.0	-1.29e-04
231	201	1.48	3.74	0.15	-1.82e-03	0.0	-6.99e-06
231	212	-3.95	-2.18	-0.46	1.06e-03	0.0	-1.51e-04
231	233	1.74	4.44	0.18	-2.17e-03	0.0	-9.04e-06
231	261	-0.18	0.04	-0.04	-1.86e-05	0.0	1.42e-06
231	264	-0.18	0.06	-0.04	-2.89e-05	0.0	3.63e-06
231	276	-7.36e-03	0.27	-0.02	-1.34e-04	0.0	1.53e-05
231	304	-0.04	0.02	-0.02	-1.22e-05	0.0	1.90e-06
231	305	-0.04	0.04	-0.02	-2.03e-05	0.0	3.55e-06
231	307	-7.25e-03	0.08	-0.02	-4.14e-05	0.0	5.88e-06
231	309	-4.95e-03	0.02	-0.02	-1.06e-05	0.0	2.02e-06
231	310	-7.36e-03	0.04	-0.02	-1.87e-05	0.0	3.67e-06
232	44	-0.27	0.09	-0.02	-4.26e-05	0.0	5.25e-06
232	68	-0.01	0.40	-0.02	-2.02e-04	0.0	2.27e-05
232	89	-7.43e-03	-0.14	-0.03	7.08e-05	0.0	-5.45e-06
232	116	-3.04	-1.54	-0.02	7.51e-04	0.0	-1.17e-04
232	137	1.32	3.21	-0.01	-1.57e-03	0.0	-6.88e-06
232	138	0.32	-2.70	-0.02	1.32e-03	0.0	9.69e-05
232	148	-3.41	-1.75	-0.02	8.53e-04	0.0	-1.32e-04
232	169	1.48	3.63	-0.01	-1.77e-03	0.0	-8.12e-06
232	170	0.35	-3.06	-0.02	1.49e-03	0.0	1.08e-04
232	180	-3.38	-1.81	-0.02	8.82e-04	0.0	-1.29e-04
232	201	1.48	3.73	-0.01	-1.82e-03	0.0	-6.99e-06
232	202	0.33	-3.14	-0.02	1.53e-03	0.0	1.05e-04
232	212	-3.95	-2.18	-0.02	1.06e-03	0.0	-1.51e-04
232	233	1.74	4.43	-0.01	-2.16e-03	0.0	-9.04e-06
232	234	0.38	-3.75	-0.02	1.83e-03	0.0	1.22e-04
232	264	-0.18	0.06	-0.02	-2.92e-05	0.0	3.63e-06
232	276	-7.37e-03	0.27	-0.02	-1.36e-04	0.0	1.53e-05
232	285	-5.23e-03	-0.09	-0.02	4.64e-05	0.0	-3.50e-06
232	305	-0.04	0.04	-0.02	-2.06e-05	0.0	3.55e-06
232	307	-7.26e-03	0.08	-0.02	-4.19e-05	0.0	5.88e-06
232	308	-5.01e-03	-1.33e-03	-0.02	0.0	0.0	0.0
232	309	-4.95e-03	0.02	-0.02	-1.08e-05	0.0	2.02e-06
232	310	-7.37e-03	0.04	-0.02	-1.90e-05	0.0	3.67e-06
233	41	-0.35	0.07	-0.06	-2.68e-05	0.0	2.41e-06
233	44	-0.35	0.10	-0.06	-4.21e-05	0.0	6.54e-06
233	68	-0.01	0.50	-0.03	-2.00e-04	0.0	2.83e-05
233	116	-3.98	-1.92	-0.35	7.42e-04	0.0	-1.45e-04
233	137	1.73	4.01	0.12	-1.55e-03	0.0	-8.13e-06
233	148	-4.47	-2.18	-0.39	8.42e-04	0.0	-1.64e-04
233	169	1.95	4.53	0.14	-1.75e-03	0.0	-9.62e-06

233	180	-4.43	-2.25	-0.38	8.70e-04	0.0	-1.61e-04
233	201	1.94	4.64	0.14	-1.80e-03	0.0	-8.25e-06
233	212	-5.18	-2.71	-0.44	1.05e-03	0.0	-1.88e-04
233	233	2.28	5.52	0.17	-2.14e-03	0.0	-1.07e-05
233	261	-0.23	0.05	-0.04	-1.86e-05	0.0	1.77e-06
233	264	-0.23	0.07	-0.04	-2.89e-05	0.0	4.52e-06
233	276	-8.73e-03	0.33	-0.02	-1.34e-04	0.0	1.90e-05
233	304	-0.05	0.03	-0.03	-1.22e-05	0.0	2.37e-06
233	305	-0.05	0.05	-0.03	-2.03e-05	0.0	4.42e-06
233	307	-8.73e-03	0.10	-0.02	-4.14e-05	0.0	7.32e-06
233	309	-6.07e-03	0.03	-0.02	-1.06e-05	0.0	2.52e-06
233	310	-8.88e-03	0.05	-0.02	-1.87e-05	0.0	4.57e-06
234	44	-0.35	0.11	-0.03	-4.26e-05	0.0	6.54e-06
234	68	-0.01	0.51	-0.02	-2.02e-04	0.0	2.83e-05
234	89	-9.20e-03	-0.18	-0.03	7.08e-05	0.0	-6.79e-06
234	116	-3.98	-1.92	-0.02	7.41e-04	0.0	-1.45e-04
234	137	1.73	3.99	-0.02	-1.55e-03	0.0	-8.12e-06
234	138	0.42	-3.35	-0.03	1.30e-03	0.0	1.20e-04
234	148	-4.47	-2.18	-0.02	8.41e-04	0.0	-1.64e-04
234	169	1.95	4.51	-0.02	-1.75e-03	0.0	-9.60e-06
234	170	0.46	-3.80	-0.03	1.47e-03	0.0	1.34e-04
234	180	-4.43	-2.25	-0.02	8.70e-04	0.0	-1.61e-04
234	201	1.94	4.63	-0.02	-1.80e-03	0.0	-8.24e-06
234	202	0.43	-3.90	-0.03	1.51e-03	0.0	1.30e-04
234	212	-5.18	-2.71	-0.02	1.05e-03	0.0	-1.88e-04
234	233	2.28	5.50	-0.02	-2.13e-03	0.0	-1.07e-05
234	234	0.49	-4.65	-0.03	1.81e-03	0.0	1.52e-04
234	264	-0.23	0.07	-0.02	-2.92e-05	0.0	4.52e-06
234	276	-8.75e-03	0.34	-0.02	-1.36e-04	0.0	1.90e-05
234	285	-6.47e-03	-0.12	-0.02	4.64e-05	0.0	-4.36e-06
234	305	-0.05	0.05	-0.02	-2.06e-05	0.0	4.42e-06
234	307	-8.75e-03	0.10	-0.02	-4.19e-05	0.0	7.32e-06
234	308	-6.16e-03	-1.66e-03	-0.02	0.0	0.0	1.14e-06
234	309	-6.08e-03	0.03	-0.02	-1.08e-05	0.0	2.52e-06
234	310	-8.90e-03	0.05	-0.02	-1.90e-05	0.0	4.57e-06
235	15	0.12	0.02	-0.04	-9.29e-06	0.0	3.28e-06
235	44	-0.27	0.09	0.01	-4.30e-05	0.0	5.25e-06
235	68	-0.01	0.41	-0.02	-2.04e-04	0.0	2.27e-05
235	113	3.02	1.62	-0.36	-7.90e-04	0.0	1.24e-04
235	116	-3.04	-1.54	0.32	7.51e-04	0.0	-1.17e-04
235	137	1.32	3.20	-0.16	-1.56e-03	0.0	-6.88e-06
235	145	3.40	1.83	-0.40	-8.92e-04	0.0	1.39e-04
235	148	-3.41	-1.75	0.37	8.53e-04	0.0	-1.32e-04
235	169	1.48	3.62	-0.18	-1.77e-03	0.0	-8.12e-06
235	177	3.36	1.89	-0.40	-9.22e-04	0.0	1.37e-04
235	180	-3.38	-1.81	0.36	8.83e-04	0.0	-1.29e-04
235	201	1.48	3.71	-0.18	-1.82e-03	0.0	-6.99e-06
235	209	3.94	2.26	-0.46	-1.10e-03	0.0	1.58e-04
235	212	-3.95	-2.19	0.43	1.06e-03	0.0	-1.51e-04
235	233	1.74	4.41	-0.21	-2.16e-03	0.0	-9.05e-06
235	248	0.08	0.01	-0.03	-6.99e-06	0.0	2.32e-06
235	264	-0.18	0.06	4.70e-03	-2.95e-05	0.0	3.63e-06
235	276	-7.37e-03	0.28	-0.02	-1.37e-04	0.0	1.53e-05
235	302	0.01	0.02	-0.02	-1.01e-05	0.0	2.08e-06
235	305	-0.04	0.04	-0.01	-2.09e-05	0.0	3.55e-06
235	307	-7.26e-03	0.09	-0.02	-4.24e-05	0.0	5.88e-06
235	309	-4.96e-03	0.02	-0.02	-1.09e-05	0.0	2.02e-06
235	310	-7.37e-03	0.04	-0.02	-1.94e-05	0.0	3.67e-06
236	15	0.16	0.02	-0.05	-9.28e-06	0.0	4.09e-06
236	44	-0.35	0.11	4.54e-03	-4.31e-05	0.0	6.54e-06
236	68	-0.01	0.51	-0.03	-2.04e-04	0.0	2.83e-05
236	113	3.96	2.01	-0.35	-7.80e-04	0.0	1.54e-04
236	116	-3.98	-1.92	0.31	7.41e-04	0.0	-1.45e-04
236	137	1.73	3.98	-0.16	-1.55e-03	0.0	-8.10e-06
236	145	4.45	2.27	-0.39	-8.80e-04	0.0	1.73e-04
236	148	-4.47	-2.18	0.35	8.42e-04	0.0	-1.64e-04
236	169	1.94	4.49	-0.18	-1.75e-03	0.0	-9.59e-06
236	177	4.41	2.35	-0.39	-9.10e-04	0.0	1.70e-04
236	180	-4.43	-2.25	0.34	8.71e-04	0.0	-1.61e-04
236	201	1.94	4.61	-0.18	-1.79e-03	0.0	-8.22e-06
236	209	5.16	2.81	-0.45	-1.09e-03	0.0	1.97e-04
236	212	-5.18	-2.71	0.40	1.05e-03	0.0	-1.88e-04
236	233	2.28	5.48	-0.21	-2.13e-03	0.0	-1.07e-05
236	248	0.11	0.02	-0.03	-6.98e-06	0.0	2.89e-06
236	264	-0.23	0.07	-5.04e-04	-2.95e-05	0.0	4.52e-06

236	276	-8.78e-03	0.34	-0.02	-1.37e-04	0.0	1.90e-05
236	302	0.02	0.03	-0.03	-1.01e-05	0.0	2.59e-06
236	305	-0.05	0.05	-0.02	-2.09e-05	0.0	4.42e-06
236	307	-8.77e-03	0.11	-0.02	-4.24e-05	0.0	7.33e-06
236	309	-6.10e-03	0.03	-0.02	-1.09e-05	0.0	2.52e-06
236	310	-8.92e-03	0.05	-0.02	-1.94e-05	0.0	4.57e-06
237	41	-0.41	0.08	-0.06	-2.68e-05	0.0	2.83e-06
237	44	-0.42	0.12	-0.06	-4.22e-05	0.0	7.70e-06
237	68	-0.01	0.59	-0.03	-2.00e-04	0.0	3.33e-05
237	116	-4.78	-2.25	-0.30	7.35e-04	0.0	-1.71e-04
237	137	2.08	4.70	0.10	-1.54e-03	0.0	-8.92e-06
237	148	-5.37	-2.55	-0.34	8.34e-04	0.0	-1.93e-04
237	169	2.34	5.31	0.11	-1.74e-03	0.0	-1.06e-05
237	180	-5.32	-2.64	-0.33	8.62e-04	0.0	-1.89e-04
237	201	2.33	5.45	0.11	-1.79e-03	0.0	-9.02e-06
237	212	-6.22	-3.17	-0.39	1.04e-03	0.0	-2.21e-04
237	233	2.74	6.47	0.14	-2.12e-03	0.0	-1.18e-05
237	261	-0.28	0.05	-0.05	-1.86e-05	0.0	2.08e-06
237	264	-0.28	0.08	-0.04	-2.89e-05	0.0	5.33e-06
237	276	-9.21e-03	0.39	-0.02	-1.34e-04	0.0	2.24e-05
237	304	-0.06	0.04	-0.03	-1.22e-05	0.0	2.79e-06
237	305	-0.06	0.06	-0.03	-2.03e-05	0.0	5.21e-06
237	307	-9.42e-03	0.12	-0.03	-4.13e-05	0.0	8.63e-06
237	309	-6.70e-03	0.03	-0.03	-1.06e-05	0.0	2.96e-06
237	310	-9.62e-03	0.05	-0.03	-1.87e-05	0.0	5.38e-06
238	44	-0.42	0.13	-0.03	-4.25e-05	0.0	7.69e-06
238	68	-0.01	0.60	-0.03	-2.03e-04	0.0	3.33e-05
238	89	-0.01	-0.21	-0.04	7.10e-05	0.0	-7.99e-06
238	116	-4.78	-2.25	-0.02	7.33e-04	0.0	-1.72e-04
238	137	2.08	4.68	-0.02	-1.53e-03	0.0	-9.08e-06
238	138	0.50	-3.93	-0.03	1.29e-03	0.0	1.41e-04
238	148	-5.37	-2.55	-0.02	8.33e-04	0.0	-1.94e-04
238	169	2.34	5.29	-0.02	-1.73e-03	0.0	-1.08e-05
238	170	0.56	-4.46	-0.03	1.46e-03	0.0	1.58e-04
238	180	-5.32	-2.64	-0.02	8.61e-04	0.0	-1.90e-04
238	201	2.33	5.43	-0.02	-1.78e-03	0.0	-9.21e-06
238	202	0.52	-4.58	-0.04	1.50e-03	0.0	1.54e-04
238	212	-6.22	-3.18	-0.02	1.04e-03	0.0	-2.22e-04
238	233	2.74	6.45	-0.02	-2.12e-03	0.0	-1.20e-05
238	234	0.59	-5.46	-0.04	1.79e-03	0.0	1.78e-04
238	264	-0.28	0.09	-0.02	-2.91e-05	0.0	5.32e-06
238	276	-9.32e-03	0.40	-0.02	-1.36e-04	0.0	2.24e-05
238	285	-7.24e-03	-0.14	-0.03	4.65e-05	0.0	-5.14e-06
238	305	-0.06	0.06	-0.03	-2.06e-05	0.0	5.20e-06
238	307	-9.50e-03	0.12	-0.03	-4.20e-05	0.0	8.62e-06
238	308	-6.85e-03	-1.96e-03	-0.03	0.0	0.0	1.34e-06
238	309	-6.76e-03	0.03	-0.03	-1.08e-05	0.0	2.96e-06
238	310	-9.69e-03	0.06	-0.03	-1.91e-05	0.0	5.38e-06
239	41	-0.47	0.09	-0.07	-1.02e-04	2.31e-05	3.73e-06
239	43	-0.47	0.14	-0.06	-1.72e-04	3.67e-05	8.60e-06
239	68	-0.01	0.67	-0.04	-4.58e-04	3.10e-05	3.89e-05
239	116	-5.48	-2.58	-0.23	8.32e-04	2.91e-05	-1.90e-04
239	137	2.38	5.39	0.05	-1.98e-03	1.32e-05	0.0
239	148	-6.16	-2.93	-0.26	9.56e-04	3.02e-05	-2.14e-04
239	169	2.69	6.09	0.06	-2.23e-03	1.23e-05	0.0
239	180	-6.10	-3.02	-0.25	9.89e-04	3.00e-05	-2.09e-04
239	201	2.68	6.25	0.06	-2.29e-03	1.22e-05	1.90e-06
239	212	-7.14	-3.64	-0.29	1.21e-03	3.18e-05	-2.45e-04
239	233	3.15	7.42	0.08	-2.70e-03	1.07e-05	1.18e-06
239	261	-0.31	0.06	-0.05	-7.32e-05	1.64e-05	2.71e-06
239	263	-0.32	0.09	-0.04	-1.20e-04	2.55e-05	5.96e-06
239	276	-8.07e-03	0.45	-0.03	-3.11e-04	2.16e-05	2.62e-05
239	304	-0.07	0.04	-0.04	-6.95e-05	1.32e-05	3.30e-06
239	305	-0.07	0.07	-0.04	-1.10e-04	2.10e-05	6.09e-06
239	307	-8.87e-03	0.14	-0.04	-1.46e-04	2.00e-05	1.00e-05
239	309	-6.71e-03	0.04	-0.04	-6.86e-05	1.24e-05	3.45e-06
239	310	-9.17e-03	0.06	-0.04	-1.09e-04	2.02e-05	6.23e-06
240	44	-0.48	0.14	-0.04	-1.84e-04	2.51e-05	1.02e-05
240	68	-0.01	0.69	-0.04	-4.63e-04	2.41e-05	3.38e-05
240	89	-0.01	-0.24	-0.05	4.81e-05	1.36e-05	-7.11e-06
240	116	-5.48	-2.57	-0.03	8.40e-04	-5.69e-05	-1.78e-04
240	137	2.38	5.36	-0.03	-2.00e-03	2.57e-05	0.0
240	138	0.57	-4.51	-0.05	1.51e-03	4.52e-05	1.40e-04
240	148	-6.16	-2.92	-0.03	9.65e-04	-6.59e-05	-2.00e-04
240	169	2.68	6.06	-0.03	-2.24e-03	2.69e-05	0.0

240	170	0.64	-5.11	-0.05	1.73e-03	4.89e-05	1.56e-04
240	180	-6.10	-3.02	-0.03	9.98e-04	-6.49e-05	-1.96e-04
240	201	2.68	6.22	-0.03	-2.30e-03	2.66e-05	2.54e-06
240	202	0.60	-5.25	-0.05	1.78e-03	4.86e-05	1.51e-04
240	212	-7.14	-3.64	-0.03	1.22e-03	-7.86e-05	-2.29e-04
240	233	3.15	7.39	-0.03	-2.72e-03	2.83e-05	2.06e-06
240	234	0.68	-6.25	-0.05	2.14e-03	5.42e-05	1.75e-04
240	264	-0.32	0.10	-0.03	-1.28e-04	1.74e-05	7.00e-06
240	276	-8.76e-03	0.46	-0.03	-3.14e-04	1.68e-05	2.28e-05
240	285	-7.41e-03	-0.16	-0.04	2.66e-05	9.78e-06	-4.51e-06
240	305	-0.07	0.07	-0.04	-1.10e-04	1.55e-05	6.07e-06
240	307	-9.23e-03	0.14	-0.04	-1.47e-04	1.54e-05	9.22e-06
240	308	-6.95e-03	-2.31e-03	-0.04	-4.96e-05	9.53e-06	1.81e-06
240	309	-6.83e-03	0.04	-0.04	-6.87e-05	9.47e-06	3.39e-06
240	310	-9.46e-03	0.06	-0.04	-1.09e-04	1.55e-05	6.06e-06
241	15	0.19	0.03	-0.05	-9.26e-06	0.0	4.81e-06
241	44	-0.42	0.13	-7.32e-03	-4.31e-05	0.0	7.70e-06
241	68	-0.01	0.61	-0.03	-2.04e-04	0.0	3.33e-05
241	113	4.76	2.36	-0.31	-7.73e-04	0.0	1.83e-04
241	116	-4.78	-2.25	0.25	7.34e-04	0.0	-1.73e-04
241	137	2.08	4.67	-0.15	-1.53e-03	0.0	-9.22e-06
241	145	5.35	2.67	-0.34	-8.72e-04	0.0	2.05e-04
241	148	-5.37	-2.55	0.29	8.34e-04	0.0	-1.95e-04
241	169	2.34	5.27	-0.16	-1.73e-03	0.0	-1.09e-05
241	177	5.30	2.76	-0.34	-9.01e-04	0.0	2.02e-04
241	180	-5.32	-2.64	0.28	8.63e-04	0.0	-1.91e-04
241	201	2.33	5.41	-0.16	-1.78e-03	0.0	-9.39e-06
241	209	6.21	3.30	-0.39	-1.08e-03	0.0	2.34e-04
241	212	-6.23	-3.18	0.34	1.04e-03	0.0	-2.23e-04
241	233	2.74	6.43	-0.18	-2.11e-03	0.0	-1.23e-05
241	248	0.13	0.02	-0.04	-6.96e-06	0.0	3.40e-06
241	264	-0.28	0.09	-9.26e-03	-2.95e-05	0.0	5.33e-06
241	276	-9.44e-03	0.41	-0.03	-1.37e-04	0.0	2.24e-05
241	302	0.02	0.03	-0.03	-1.01e-05	0.0	3.05e-06
241	305	-0.06	0.06	-0.02	-2.10e-05	0.0	5.21e-06
241	307	-9.58e-03	0.13	-0.03	-4.24e-05	0.0	8.62e-06
241	309	-6.82e-03	0.03	-0.03	-1.09e-05	0.0	2.96e-06
241	310	-9.77e-03	0.06	-0.03	-1.94e-05	0.0	5.38e-06
242	15	0.22	0.03	-0.06	-9.10e-05	9.30e-06	2.07e-06
242	44	-0.48	0.15	-0.03	-1.85e-04	2.98e-05	1.35e-05
242	68	-0.01	0.70	-0.05	-4.69e-04	2.24e-05	1.69e-05
242	113	5.46	2.71	-0.24	-1.07e-03	7.53e-06	2.02e-04
242	116	-5.48	-2.57	0.16	8.49e-04	2.13e-05	-1.92e-04
242	137	2.38	5.35	-0.12	-2.01e-03	7.41e-06	1.22e-05
242	145	6.14	3.06	-0.27	-1.19e-03	6.68e-06	2.27e-04
242	148	-6.16	-2.92	0.18	9.75e-04	2.22e-05	-2.16e-04
242	169	2.68	6.04	-0.13	-2.26e-03	6.50e-06	1.33e-05
242	177	6.07	3.16	-0.26	-1.23e-03	6.94e-06	2.24e-04
242	180	-6.09	-3.02	0.18	1.01e-03	2.19e-05	-2.13e-04
242	201	2.68	6.21	-0.13	-2.32e-03	6.43e-06	1.69e-05
242	209	7.12	3.78	-0.30	-1.45e-03	5.61e-06	2.62e-04
242	212	-7.14	-3.65	0.22	1.23e-03	2.33e-05	-2.51e-04
242	233	3.15	7.37	-0.15	-2.74e-03	4.94e-06	1.99e-05
242	248	0.15	0.02	-0.05	-6.61e-05	6.85e-06	1.62e-06
242	264	-0.32	0.10	-0.03	-1.29e-04	2.05e-05	9.24e-06
242	276	-9.47e-03	0.47	-0.04	-3.18e-04	1.56e-05	1.15e-05
242	302	0.02	0.03	-0.04	-6.83e-05	8.49e-06	2.86e-06
242	305	-0.07	0.07	-0.04	-1.10e-04	1.52e-05	6.01e-06
242	307	-9.60e-03	0.15	-0.04	-1.48e-04	1.43e-05	6.47e-06
242	309	-6.96e-03	0.04	-0.04	-6.89e-05	8.90e-06	3.17e-06
242	310	-9.77e-03	0.07	-0.04	-1.09e-04	1.44e-05	5.39e-06
243	1	0.0	0.0	0.0	-1.74e-05	0.0	-1.04e-06
243	113	0.0	0.0	0.0	-9.04e-04	0.0	0.0
243	145	0.0	0.0	0.0	-1.02e-03	0.0	0.0
243	177	0.0	0.0	0.0	-1.05e-03	0.0	0.0
243	209	0.0	0.0	0.0	-1.26e-03	0.0	0.0
243	241	0.0	0.0	0.0	-1.29e-05	0.0	0.0
243	297	0.0	0.0	0.0	-1.68e-05	0.0	0.0
243	309	0.0	0.0	0.0	-1.68e-05	0.0	0.0
244	44	-0.08	0.04	-0.03	-6.52e-05	0.0	-1.21e-05
244	68	-4.45e-03	0.88	-7.71e-03	-1.34e-03	0.0	-3.47e-04
244	116	-0.71	-0.43	-0.18	8.40e-04	0.0	-2.42e-05
244	129	0.43	0.88	0.10	-1.72e-03	0.0	-3.06e-05
244	148	-0.79	-0.48	-0.20	9.55e-04	0.0	-2.62e-05
244	161	0.49	0.99	0.11	-1.94e-03	0.0	-3.36e-05

244	180	-0.79	-0.50	-0.20	9.89e-04	0.0	-2.53e-05
244	193	0.50	1.03	0.12	-2.02e-03	0.0	-3.44e-05
244	212	-0.92	-0.61	-0.23	1.19e-03	0.0	-2.78e-05
244	225	0.59	1.23	0.14	-2.42e-03	0.0	-4.00e-05
244	264	-0.05	0.02	-0.02	-4.46e-05	0.0	-8.36e-06
244	276	-3.21e-03	0.59	-5.73e-03	-8.91e-04	0.0	-2.32e-04
244	305	-0.01	0.02	-8.46e-03	-3.12e-05	0.0	-7.47e-06
244	307	-4.74e-03	0.13	-5.89e-03	-2.01e-04	0.0	-5.22e-05
244	310	-5.28e-03	0.02	-6.00e-03	-2.86e-05	0.0	-7.42e-06
245	44	-0.08	0.03	-0.01	-5.76e-05	0.0	-1.27e-05
245	68	-4.47e-03	0.72	-7.70e-03	-1.13e-03	0.0	-3.24e-04
245	116	-0.71	-0.42	-0.04	8.37e-04	0.0	-2.46e-05
245	129	0.43	0.86	0.02	-1.70e-03	0.0	-3.35e-05
245	148	-0.80	-0.48	-0.04	9.51e-04	0.0	-2.66e-05
245	161	0.49	0.97	0.02	-1.92e-03	0.0	-3.69e-05
245	180	-0.79	-0.50	-0.04	9.84e-04	0.0	-2.57e-05
245	193	0.50	1.00	0.03	-1.99e-03	0.0	-3.78e-05
245	212	-0.92	-0.60	-0.05	1.19e-03	0.0	-2.82e-05
245	225	0.59	1.21	0.03	-2.39e-03	0.0	-4.41e-05
245	264	-0.05	0.02	-8.74e-03	-3.94e-05	0.0	-8.76e-06
245	276	-3.23e-03	0.48	-5.72e-03	-7.54e-04	0.0	-2.17e-04
245	305	-0.01	0.01	-6.51e-03	-2.63e-05	0.0	-7.77e-06
245	307	-4.79e-03	0.11	-5.91e-03	-1.69e-04	0.0	-4.93e-05
245	310	-5.34e-03	0.01	-6.05e-03	-2.37e-05	0.0	-7.70e-06
246	1	0.0	0.0	0.0	-1.32e-05	0.0	-1.21e-06
246	113	0.0	0.0	0.0	-8.88e-04	0.0	0.0
246	145	0.0	0.0	0.0	-1.00e-03	0.0	0.0
246	177	0.0	0.0	0.0	-1.04e-03	0.0	0.0
246	209	0.0	0.0	0.0	-1.24e-03	0.0	0.0
246	241	0.0	0.0	0.0	-9.79e-06	0.0	0.0
246	297	0.0	0.0	0.0	-1.37e-05	0.0	0.0
246	309	0.0	0.0	0.0	-1.37e-05	0.0	0.0
247	44	-0.15	0.07	-0.05	-6.16e-05	0.0	-2.10e-05
247	68	-9.05e-03	1.57	-0.01	-9.60e-04	0.0	-5.85e-04
247	116	-1.47	-0.85	-0.32	8.27e-04	0.0	-4.73e-05
247	129	0.89	1.74	0.18	-1.69e-03	0.0	-5.22e-05
247	148	-1.65	-0.96	-0.36	9.40e-04	0.0	-5.14e-05
247	161	1.00	1.96	0.20	-1.91e-03	0.0	-5.73e-05
247	180	-1.63	-1.00	-0.35	9.73e-04	0.0	-4.98e-05
247	193	1.02	2.04	0.20	-1.98e-03	0.0	-5.84e-05
247	212	-1.91	-1.20	-0.41	1.17e-03	0.0	-5.51e-05
247	225	1.21	2.45	0.25	-2.38e-03	0.0	-6.80e-05
247	264	-0.10	0.05	-0.03	-4.22e-05	0.0	-1.45e-05
247	276	-6.44e-03	1.05	-0.01	-6.41e-04	0.0	-3.91e-04
247	305	-0.03	0.03	-0.02	-2.92e-05	0.0	-1.32e-05
247	307	-8.49e-03	0.23	-0.01	-1.49e-04	0.0	-8.84e-05
247	310	-9.27e-03	0.03	-0.01	-2.67e-05	0.0	-1.31e-05
248	44	-0.16	0.06	-0.02	-5.69e-05	0.0	-2.19e-05
248	68	-9.05e-03	1.29	-0.01	-8.23e-04	0.0	-5.68e-04
248	116	-1.47	-0.84	-0.09	8.28e-04	0.0	-4.82e-05
248	129	0.89	1.70	0.05	-1.68e-03	0.0	-5.72e-05
248	148	-1.65	-0.95	-0.10	9.41e-04	0.0	-5.22e-05
248	161	1.00	1.93	0.06	-1.90e-03	0.0	-6.30e-05
248	180	-1.63	-0.99	-0.10	9.74e-04	0.0	-5.05e-05
248	193	1.02	2.00	0.06	-1.97e-03	0.0	-6.44e-05
248	212	-1.91	-1.19	-0.11	1.18e-03	0.0	-5.58e-05
248	225	1.21	2.40	0.07	-2.37e-03	0.0	-7.51e-05
248	264	-0.10	0.04	-0.02	-3.90e-05	0.0	-1.52e-05
248	276	-6.44e-03	0.86	-0.01	-5.49e-04	0.0	-3.79e-04
248	305	-0.03	0.03	-0.01	-2.60e-05	0.0	-1.36e-05
248	307	-8.51e-03	0.19	-0.01	-1.28e-04	0.0	-8.64e-05
248	310	-9.30e-03	0.02	-0.01	-2.34e-05	0.0	-1.36e-05
249	44	-0.23	0.10	-0.06	-5.64e-05	0.0	-2.51e-05
249	68	-0.01	1.98	-0.02	-4.48e-04	0.0	-7.13e-04
249	116	-2.26	-1.26	-0.42	8.07e-04	0.0	-6.67e-05
249	129	1.35	2.57	0.23	-1.64e-03	0.0	-5.53e-05
249	148	-2.54	-1.43	-0.47	9.18e-04	0.0	-7.27e-05
249	161	1.53	2.91	0.26	-1.86e-03	0.0	-6.03e-05
249	180	-2.52	-1.48	-0.47	9.50e-04	0.0	-7.09e-05
249	193	1.55	3.02	0.27	-1.92e-03	0.0	-6.09e-05
249	212	-2.95	-1.79	-0.55	1.15e-03	0.0	-7.91e-05
249	225	1.84	3.63	0.32	-2.31e-03	0.0	-7.03e-05
249	264	-0.15	0.07	-0.04	-3.86e-05	0.0	-1.73e-05
249	276	-9.48e-03	1.32	-0.02	-3.00e-04	0.0	-4.76e-04
249	305	-0.04	0.05	-0.02	-2.63e-05	0.0	-1.61e-05

249	307	-0.01	0.30	-0.02	-7.86e-05	0.0	-1.08e-04
249	310	-0.01	0.04	-0.02	-2.39e-05	0.0	-1.62e-05
250	44	-0.23	0.09	-0.03	-5.61e-05	0.0	-2.62e-05
250	68	-0.01	1.63	-0.02	-4.04e-04	0.0	-7.00e-04
250	116	-2.26	-1.25	-0.14	8.15e-04	0.0	-6.77e-05
250	129	1.35	2.54	0.08	-1.65e-03	0.0	-6.04e-05
250	148	-2.54	-1.42	-0.15	9.26e-04	0.0	-7.38e-05
250	161	1.53	2.87	0.09	-1.87e-03	0.0	-6.60e-05
250	180	-2.52	-1.47	-0.15	9.59e-04	0.0	-7.18e-05
250	193	1.55	2.98	0.09	-1.94e-03	0.0	-6.70e-05
250	212	-2.95	-1.78	-0.17	1.16e-03	0.0	-8.00e-05
250	225	1.84	3.58	0.11	-2.33e-03	0.0	-7.75e-05
250	264	-0.15	0.06	-0.02	-3.84e-05	0.0	-1.81e-05
250	276	-9.49e-03	1.09	-0.02	-2.70e-04	0.0	-4.67e-04
250	305	-0.04	0.04	-0.02	-2.56e-05	0.0	-1.68e-05
250	307	-0.01	0.25	-0.02	-7.19e-05	0.0	-1.07e-04
250	310	-0.01	0.04	-0.02	-2.30e-05	0.0	-1.68e-05
251	44	-0.08	0.02	-0.01	-4.76e-05	0.0	-1.51e-05
251	68	-4.42e-03	0.55	-9.03e-03	-8.71e-04	0.0	-3.61e-04
251	76	-0.01	-0.15	-0.01	2.19e-04	0.0	8.74e-05
251	116	-0.71	-0.42	-0.03	8.32e-04	0.0	-2.68e-05
251	129	0.44	0.83	0.02	-1.66e-03	0.0	-4.62e-05
251	132	-0.45	-0.82	-0.04	1.63e-03	0.0	2.87e-05
251	148	-0.80	-0.47	-0.03	9.45e-04	0.0	-2.88e-05
251	161	0.49	0.94	0.02	-1.88e-03	0.0	-5.12e-05
251	164	-0.51	-0.93	-0.04	1.85e-03	0.0	3.37e-05
251	180	-0.79	-0.49	-0.03	9.79e-04	0.0	-2.76e-05
251	193	0.50	0.98	0.03	-1.95e-03	0.0	-5.28e-05
251	196	-0.51	-0.96	-0.04	1.92e-03	0.0	3.54e-05
251	212	-0.93	-0.59	-0.04	1.18e-03	0.0	-3.00e-05
251	225	0.60	1.18	0.03	-2.35e-03	0.0	-6.22e-05
251	228	-0.61	-1.16	-0.05	2.32e-03	0.0	4.47e-05
251	264	-0.05	0.02	-8.22e-03	-3.25e-05	0.0	-1.04e-05
251	276	-3.21e-03	0.37	-6.72e-03	-5.82e-04	0.0	-2.41e-04
251	280	-7.89e-03	-0.10	-9.01e-03	1.45e-04	0.0	5.79e-05
251	298	-5.76e-03	8.54e-03	-7.67e-03	-1.87e-05	0.0	-9.39e-06
251	305	-0.01	9.25e-03	-7.51e-03	-2.00e-05	0.0	-8.90e-06
251	307	-4.87e-03	0.08	-7.21e-03	-1.30e-04	0.0	-5.50e-05
251	310	-5.45e-03	7.98e-03	-7.46e-03	-1.75e-05	0.0	-8.74e-06
252	1	0.0	0.0	0.0	-7.81e-06	0.0	-1.41e-06
252	113	0.0	0.0	0.0	-8.67e-04	0.0	0.0
252	145	0.0	0.0	0.0	-9.80e-04	0.0	0.0
252	177	0.0	0.0	0.0	-1.01e-03	0.0	0.0
252	209	0.0	0.0	0.0	-1.22e-03	0.0	0.0
252	241	0.0	0.0	0.0	-5.96e-06	0.0	-1.01e-06
252	297	0.0	0.0	0.0	-9.80e-06	0.0	-1.08e-06
252	309	0.0	0.0	0.0	-9.80e-06	0.0	-1.08e-06
253	44	-0.16	0.05	-0.02	-5.07e-05	0.0	-2.56e-05
253	68	-9.00e-03	0.99	-0.02	-6.46e-04	0.0	-6.36e-04
253	76	-0.02	-0.26	-0.02	1.48e-04	0.0	1.54e-04
253	116	-1.47	-0.83	-0.06	8.29e-04	0.0	-5.13e-05
253	129	0.89	1.67	0.04	-1.66e-03	0.0	-7.67e-05
253	132	-0.91	-1.63	-0.07	1.63e-03	0.0	4.60e-05
253	148	-1.65	-0.95	-0.07	9.42e-04	0.0	-5.55e-05
253	161	1.01	1.88	0.05	-1.88e-03	0.0	-8.48e-05
253	164	-1.02	-1.85	-0.08	1.84e-03	0.0	5.42e-05
253	180	-1.64	-0.98	-0.07	9.76e-04	0.0	-5.33e-05
253	193	1.02	1.95	0.05	-1.95e-03	0.0	-8.75e-05
253	196	-1.04	-1.92	-0.08	1.92e-03	0.0	5.69e-05
253	212	-1.92	-1.18	-0.08	1.18e-03	0.0	-5.84e-05
253	225	1.21	2.35	0.06	-2.35e-03	0.0	-1.03e-04
253	228	-1.23	-2.32	-0.09	2.31e-03	0.0	7.21e-05
253	264	-0.10	0.03	-0.02	-3.47e-05	0.0	-1.76e-05
253	276	-6.41e-03	0.66	-0.01	-4.32e-04	0.0	-4.25e-04
253	280	-0.01	-0.17	-0.02	9.76e-05	0.0	1.02e-04
253	298	-9.89e-03	0.02	-0.01	-2.05e-05	0.0	-1.65e-05
253	305	-0.03	0.02	-0.01	-2.18e-05	0.0	-1.55e-05
253	307	-8.54e-03	0.14	-0.01	-1.01e-04	0.0	-9.69e-05
253	310	-9.34e-03	0.02	-0.01	-1.92e-05	0.0	-1.53e-05
254	44	-0.23	0.07	-0.03	-5.53e-05	0.0	-3.07e-05
254	68	-0.01	1.26	-0.03	-3.45e-04	0.0	-7.85e-04
254	76	-0.02	-0.31	-0.03	5.13e-05	0.0	1.89e-04
254	116	-2.26	-1.25	-0.09	8.25e-04	0.0	-7.10e-05
254	129	1.35	2.50	0.06	-1.66e-03	0.0	-7.84e-05
254	132	-1.38	-2.44	-0.10	1.62e-03	0.0	3.99e-05

254	148	-2.54	-1.42	-0.10	9.37e-04	0.0	-7.71e-05
254	161	1.53	2.83	0.07	-1.88e-03	0.0	-8.62e-05
254	164	-1.55	-2.77	-0.11	1.84e-03	0.0	4.77e-05
254	180	-2.52	-1.47	-0.10	9.71e-04	0.0	-7.46e-05
254	193	1.55	2.93	0.08	-1.95e-03	0.0	-8.84e-05
254	196	-1.57	-2.88	-0.12	1.91e-03	0.0	4.99e-05
254	212	-2.95	-1.77	-0.11	1.17e-03	0.0	-8.25e-05
254	225	1.84	3.53	0.09	-2.35e-03	0.0	-1.03e-04
254	228	-1.87	-3.47	-0.14	2.31e-03	0.0	6.45e-05
254	264	-0.16	0.05	-0.02	-3.78e-05	0.0	-2.12e-05
254	276	-9.48e-03	0.84	-0.02	-2.31e-04	0.0	-5.24e-04
254	280	-0.02	-0.21	-0.03	3.33e-05	0.0	1.26e-04
254	298	-0.01	0.03	-0.02	-2.32e-05	0.0	-2.07e-05
254	305	-0.04	0.03	-0.02	-2.44e-05	0.0	-1.93e-05
254	307	-0.01	0.19	-0.02	-6.30e-05	0.0	-1.20e-04
254	310	-0.01	0.03	-0.02	-2.17e-05	0.0	-1.93e-05
255	44	-0.08	0.01	-0.01	-3.56e-05	0.0	-1.90e-05
255	68	-4.27e-03	0.35	-0.01	-5.60e-04	0.0	-4.37e-04
255	76	-0.01	-0.10	-0.02	1.43e-04	0.0	1.06e-04
255	116	-0.71	-0.41	-9.31e-03	8.24e-04	0.0	-3.19e-05
255	129	0.44	0.80	7.83e-03	-1.62e-03	0.0	-7.36e-05
255	138	0.03	-0.65	-0.04	1.32e-03	0.0	9.13e-05
255	148	-0.80	-0.46	-8.92e-03	9.35e-04	0.0	-3.43e-05
255	161	0.50	0.90	0.01	-1.83e-03	0.0	-8.21e-05
255	170	0.04	-0.74	-0.05	1.49e-03	0.0	1.04e-04
255	180	-0.79	-0.48	-9.47e-03	9.68e-04	0.0	-3.24e-05
255	193	0.50	0.94	0.01	-1.90e-03	0.0	-8.53e-05
255	202	0.03	-0.76	-0.05	1.53e-03	0.0	1.07e-04
255	212	-0.93	-0.58	-9.20e-03	1.17e-03	0.0	-3.50e-05
255	225	0.60	1.13	0.02	-2.29e-03	0.0	-1.01e-04
255	234	0.03	-0.90	-0.05	1.83e-03	0.0	1.28e-04
255	264	-0.05	9.34e-03	-0.01	-2.43e-05	0.0	-1.30e-05
255	276	-3.11e-03	0.23	-9.84e-03	-3.74e-04	0.0	-2.91e-04
255	280	-8.01e-03	-0.06	-0.02	9.50e-05	0.0	7.06e-05
255	298	-5.83e-03	3.30e-03	-0.01	-1.09e-05	0.0	-1.10e-05
255	305	-0.01	4.25e-03	-0.01	-1.27e-05	0.0	-1.06e-05
255	307	-4.90e-03	0.05	-0.01	-8.27e-05	0.0	-6.62e-05
255	310	-5.51e-03	3.11e-03	-0.01	-1.02e-05	0.0	-1.02e-05
256	1	0.0	0.0	0.0	-1.73e-06	0.0	-2.02e-06
256	113	0.0	0.0	0.0	-8.39e-04	0.0	0.0
256	145	0.0	0.0	0.0	-9.49e-04	0.0	0.0
256	177	0.0	0.0	0.0	-9.82e-04	0.0	0.0
256	209	0.0	0.0	0.0	-1.18e-03	0.0	0.0
256	241	0.0	0.0	0.0	-1.58e-06	0.0	-1.46e-06
256	297	0.0	0.0	0.0	-5.22e-06	0.0	-1.67e-06
256	309	0.0	0.0	0.0	-5.22e-06	0.0	-1.67e-06
257	44	-0.16	0.03	-0.03	-4.31e-05	0.0	-3.09e-05
257	68	-8.88e-03	0.62	-0.02	-4.36e-04	0.0	-7.57e-04
257	76	-0.02	-0.17	-0.04	9.71e-05	0.0	1.85e-04
257	116	-1.47	-0.82	-0.01	8.31e-04	0.0	-5.57e-05
257	129	0.89	1.61	0.02	-1.65e-03	0.0	-1.09e-04
257	138	0.09	-1.31	-0.08	1.34e-03	0.0	1.38e-04
257	148	-1.65	-0.93	-0.01	9.43e-04	0.0	-6.00e-05
257	161	1.01	1.82	0.03	-1.86e-03	0.0	-1.21e-04
257	170	0.10	-1.49	-0.09	1.52e-03	0.0	1.58e-04
257	180	-1.64	-0.97	-0.01	9.77e-04	0.0	-5.71e-05
257	193	1.02	1.89	0.03	-1.93e-03	0.0	-1.26e-04
257	202	0.09	-1.53	-0.09	1.56e-03	0.0	1.61e-04
257	212	-1.92	-1.16	-0.01	1.18e-03	0.0	-6.19e-05
257	225	1.22	2.27	0.04	-2.33e-03	0.0	-1.49e-04
257	234	0.10	-1.82	-0.11	1.86e-03	0.0	1.95e-04
257	264	-0.10	0.02	-0.02	-2.93e-05	0.0	-2.13e-05
257	276	-6.34e-03	0.42	-0.02	-2.92e-04	0.0	-5.05e-04
257	280	-0.01	-0.11	-0.03	6.41e-05	0.0	1.22e-04
257	298	-9.91e-03	8.52e-03	-0.02	-1.49e-05	0.0	-1.91e-05
257	305	-0.03	0.01	-0.02	-1.67e-05	0.0	-1.81e-05
257	307	-8.54e-03	0.09	-0.02	-6.91e-05	0.0	-1.15e-04
257	310	-9.36e-03	8.00e-03	-0.02	-1.40e-05	0.0	-1.78e-05
258	44	-0.23	0.05	-0.04	-5.36e-05	0.0	-3.72e-05
258	68	-0.01	0.81	-0.03	-2.75e-04	0.0	-9.26e-04
258	76	-0.02	-0.21	-0.05	3.55e-05	0.0	2.24e-04
258	116	-2.26	-1.24	-0.01	8.38e-04	0.0	-7.49e-05
258	129	1.35	2.44	0.04	-1.68e-03	0.0	-1.05e-04
258	138	0.17	-1.99	-0.12	1.36e-03	0.0	1.42e-04
258	148	-2.54	-1.41	-0.01	9.52e-04	0.0	-8.10e-05

258	161	1.53	2.76	0.04	-1.90e-03	0.0	-1.17e-04
258	170	0.19	-2.25	-0.13	1.54e-03	0.0	1.63e-04
258	180	-2.52	-1.46	-0.01	9.86e-04	0.0	-7.79e-05
258	193	1.55	2.87	0.05	-1.97e-03	0.0	-1.20e-04
258	202	0.17	-2.31	-0.14	1.59e-03	0.0	1.66e-04
258	212	-2.95	-1.76	-0.01	1.19e-03	0.0	-8.55e-05
258	225	1.84	3.45	0.06	-2.37e-03	0.0	-1.41e-04
258	234	0.19	-2.76	-0.16	1.89e-03	0.0	2.01e-04
258	264	-0.16	0.04	-0.03	-3.66e-05	0.0	-2.57e-05
258	276	-9.46e-03	0.54	-0.02	-1.84e-04	0.0	-6.18e-04
258	280	-0.02	-0.14	-0.04	2.28e-05	0.0	1.48e-04
258	298	-0.01	0.02	-0.03	-2.09e-05	0.0	-2.44e-05
258	305	-0.04	0.02	-0.03	-2.25e-05	0.0	-2.29e-05
258	307	-0.01	0.12	-0.03	-5.21e-05	0.0	-1.41e-04
258	310	-0.01	0.02	-0.03	-1.96e-05	0.0	-2.27e-05
259	44	-0.08	2.03e-03	-7.21e-03	0.0	-2.35e-04	4.62e-04
259	70	8.90e-04	0.08	3.53e-03	0.0	0.0	2.62e-06
259	92	-0.01	-0.05	-0.03	0.0	-1.56e-05	-8.63e-06
259	116	-0.71	-0.40	0.05	0.0	-1.50e-03	9.25e-05
259	118	0.58	-0.01	-0.13	0.0	1.24e-03	-1.23e-04
259	132	-0.45	-0.74	-0.06	0.0	-9.14e-04	-8.69e-06
259	148	-0.80	-0.45	0.06	0.0	-1.68e-03	1.04e-04
259	150	0.65	-0.01	-0.14	0.0	1.40e-03	-1.38e-04
259	164	-0.51	-0.84	-0.07	0.0	-1.03e-03	-9.58e-06
259	180	-0.79	-0.46	0.06	0.0	-1.67e-03	1.01e-04
259	196	-0.52	-0.87	-0.07	0.0	-1.04e-03	-1.12e-05
259	202	0.03	-0.70	-0.14	0.0	1.04e-04	-8.49e-05
259	212	-0.93	-0.56	0.07	0.0	-1.95e-03	1.18e-04
259	228	-0.61	-1.05	-0.09	0.0	-1.24e-03	-1.35e-05
259	234	0.03	-0.83	-0.17	0.0	1.16e-04	-9.90e-05
259	264	-0.05	1.33e-03	-6.00e-03	0.0	-1.57e-04	3.08e-04
259	274	-8.96e-04	0.05	-1.73e-03	0.0	-2.75e-06	0.0
259	288	-8.03e-03	-0.03	-0.02	0.0	-1.08e-05	-5.97e-06
259	303	-9.70e-04	-3.08e-03	-0.02	0.0	6.51e-06	-3.49e-05
259	305	-0.02	-1.87e-03	-0.01	0.0	-3.79e-05	5.87e-05
259	306	-3.15e-03	9.95e-03	-9.25e-03	0.0	-4.78e-06	-1.76e-06
259	310	-5.76e-03	-2.68e-03	-0.01	0.0	-8.29e-06	-3.72e-06
260	1	0.0	0.0	0.0	0.0	5.89e-05	-2.42e-05
260	113	0.0	0.0	0.0	0.0	1.45e-03	-1.04e-05
260	145	0.0	0.0	0.0	0.0	1.63e-03	-1.16e-05
260	177	0.0	0.0	0.0	0.0	1.62e-03	-1.14e-05
260	209	0.0	0.0	0.0	0.0	1.90e-03	-1.31e-05
260	241	0.0	0.0	0.0	0.0	3.89e-05	-1.61e-05
260	297	0.0	0.0	0.0	0.0	-6.03e-06	0.0
260	309	0.0	0.0	0.0	0.0	-6.03e-06	0.0
261	44	-0.16	0.01	-0.01	0.0	-2.06e-04	7.97e-04
261	70	-6.44e-05	0.17	4.41e-03	0.0	-2.27e-06	2.34e-06
261	92	-0.02	-0.09	-0.05	0.0	-1.12e-05	-1.01e-05
261	116	-1.47	-0.81	0.09	0.0	-1.55e-03	1.31e-04
261	118	1.21	-0.03	-0.23	0.0	1.31e-03	-1.75e-04
261	132	-0.91	-1.53	-0.11	0.0	-9.25e-04	-1.89e-05
261	148	-1.65	-0.91	0.11	0.0	-1.74e-03	1.47e-04
261	150	1.36	-0.03	-0.26	0.0	1.47e-03	-1.96e-04
261	164	-1.03	-1.74	-0.13	0.0	-1.04e-03	-2.12e-05
261	180	-1.64	-0.95	0.10	0.0	-1.73e-03	1.43e-04
261	196	-1.04	-1.80	-0.13	0.0	-1.05e-03	-2.39e-05
261	202	0.09	-1.45	-0.26	0.0	1.39e-04	-1.21e-04
261	212	-1.92	-1.14	0.12	0.0	-2.02e-03	1.66e-04
261	228	-1.24	-2.17	-0.16	0.0	-1.25e-03	-2.91e-05
261	234	0.10	-1.72	-0.30	0.0	1.57e-04	-1.41e-04
261	264	-0.11	8.46e-03	-0.01	0.0	-1.38e-04	5.31e-04
261	274	-2.50e-03	0.11	-4.02e-03	0.0	-3.21e-06	0.0
261	288	-0.01	-0.06	-0.04	0.0	-7.75e-06	-6.93e-06
261	303	1.35e-04	-3.43e-03	-0.03	0.0	6.62e-06	-5.81e-05
261	305	-0.03	-2.51e-04	-0.02	0.0	-3.26e-05	1.03e-04
261	306	-5.34e-03	0.02	-0.02	0.0	-3.92e-06	-2.06e-06
261	310	-9.53e-03	-2.37e-03	-0.02	0.0	-6.44e-06	-4.46e-06
262	44	-0.24	0.03	-0.02	0.0	-1.64e-04	9.69e-04
262	68	-0.01	0.26	-0.02	0.0	-7.58e-06	-3.43e-06
262	92	-0.02	-0.12	-0.07	0.0	-6.86e-06	-1.01e-05
262	116	-2.26	-1.23	0.13	0.0	-1.60e-03	1.24e-04
262	118	1.88	-0.05	-0.32	0.0	1.37e-03	-1.78e-04
262	129	1.35	2.36	0.09	0.0	9.27e-04	2.92e-05
262	148	-2.54	-1.40	0.15	0.0	-1.80e-03	1.40e-04
262	161	1.53	2.68	0.11	0.0	1.05e-03	3.41e-05

262	170	0.19	-2.18	-0.35	0.0	1.84e-04	-1.31e-04
262	180	-2.52	-1.45	0.14	0.0	-1.78e-03	1.35e-04
262	193	1.55	2.78	0.11	0.0	1.06e-03	3.78e-05
262	202	0.17	-2.24	-0.36	0.0	1.72e-04	-1.31e-04
262	212	-2.95	-1.74	0.17	0.0	-2.09e-03	1.57e-04
262	225	1.84	3.35	0.15	0.0	1.25e-03	4.78e-05
262	234	0.19	-2.66	-0.42	0.0	1.96e-04	-1.53e-04
262	264	-0.16	0.02	-0.02	0.0	-1.10e-04	6.46e-04
262	276	-9.53e-03	0.17	-0.02	0.0	-5.21e-06	-2.50e-06
262	288	-0.02	-0.08	-0.05	0.0	-4.73e-06	-6.95e-06
262	303	2.18e-03	3.92e-04	-0.04	0.0	5.99e-06	-6.99e-05
262	305	-0.04	5.93e-03	-0.03	0.0	-2.54e-05	1.26e-04
262	307	-0.01	0.04	-0.03	0.0	-4.55e-06	-4.13e-06
262	310	-0.01	2.24e-03	-0.03	0.0	-4.49e-06	-4.73e-06
263	44	-0.30	0.13	-0.07	-5.06e-05	0.0	-2.27e-05
263	68	-0.02	2.07	-0.03	1.04e-04	0.0	-7.05e-04
263	116	-3.09	-1.65	-0.49	7.86e-04	0.0	-8.14e-05
263	129	1.82	3.38	0.27	-1.59e-03	0.0	-3.93e-05
263	148	-3.47	-1.88	-0.55	8.93e-04	0.0	-8.94e-05
263	161	2.06	3.82	0.31	-1.80e-03	0.0	-4.20e-05
263	180	-3.44	-1.95	-0.55	9.26e-04	0.0	-8.79e-05
263	193	2.08	3.96	0.31	-1.86e-03	0.0	-4.06e-05
263	212	-4.02	-2.35	-0.64	1.12e-03	0.0	-9.94e-05
263	225	2.48	4.77	0.37	-2.24e-03	0.0	-4.54e-05
263	264	-0.20	0.09	-0.05	-3.46e-05	0.0	-1.58e-05
263	276	-0.01	1.38	-0.02	6.88e-05	0.0	-4.71e-04
263	305	-0.05	0.06	-0.03	-2.30e-05	0.0	-1.55e-05
263	307	-0.01	0.32	-0.02	-2.29e-06	0.0	-1.06e-04
263	310	-0.01	0.06	-0.02	-2.07e-05	0.0	-1.58e-05
264	44	-0.30	0.11	-0.04	-5.51e-05	0.0	-2.40e-05
264	68	-0.02	1.72	-0.03	4.82e-05	0.0	-6.92e-04
264	116	-3.09	-1.66	-0.19	8.01e-04	0.0	-8.26e-05
264	129	1.82	3.36	0.10	-1.62e-03	0.0	-4.25e-05
264	148	-3.47	-1.88	-0.21	9.11e-04	0.0	-9.06e-05
264	161	2.06	3.80	0.12	-1.83e-03	0.0	-4.56e-05
264	180	-3.44	-1.95	-0.21	9.43e-04	0.0	-8.89e-05
264	193	2.08	3.94	0.12	-1.90e-03	0.0	-4.44e-05
264	212	-4.02	-2.35	-0.24	1.14e-03	0.0	-1.00e-04
264	225	2.48	4.74	0.15	-2.29e-03	0.0	-5.00e-05
264	264	-0.20	0.08	-0.03	-3.77e-05	0.0	-1.66e-05
264	276	-0.01	1.15	-0.02	3.12e-05	0.0	-4.62e-04
264	305	-0.05	0.05	-0.02	-2.50e-05	0.0	-1.62e-05
264	307	-0.01	0.27	-0.02	-1.12e-05	0.0	-1.05e-04
264	310	-0.01	0.05	-0.02	-2.25e-05	0.0	-1.65e-05
265	44	-0.37	0.15	-0.08	-4.50e-05	0.0	-1.39e-05
265	68	-0.02	1.82	-0.03	6.02e-04	0.0	-5.61e-04
265	116	-3.93	-2.04	-0.53	7.67e-04	0.0	-8.45e-05
265	129	2.30	4.16	0.28	-1.54e-03	0.0	-3.13e-05
265	148	-4.41	-2.32	-0.59	8.71e-04	0.0	-9.34e-05
265	161	2.60	4.70	0.32	-1.74e-03	0.0	-3.34e-05
265	180	-4.37	-2.40	-0.59	9.03e-04	0.0	-9.20e-05
265	193	2.63	4.87	0.33	-1.81e-03	0.0	-3.12e-05
265	212	-5.12	-2.90	-0.68	1.09e-03	0.0	-1.05e-04
265	225	3.12	5.86	0.40	-2.18e-03	0.0	-3.46e-05
265	264	-0.25	0.10	-0.05	-3.08e-05	0.0	-9.69e-06
265	276	-0.01	1.22	-0.02	4.01e-04	0.0	-3.74e-04
265	305	-0.06	0.07	-0.03	-1.97e-05	0.0	-1.11e-05
265	307	-0.01	0.29	-0.02	6.66e-05	0.0	-8.41e-05
265	310	-0.01	0.06	-0.02	-1.75e-05	0.0	-1.18e-05
266	44	-0.37	0.14	-0.06	-5.41e-05	0.0	-1.51e-05
266	68	-0.02	1.55	-0.04	4.56e-04	0.0	-5.45e-04
266	116	-3.92	-2.05	-0.24	7.89e-04	0.0	-8.62e-05
266	129	2.30	4.16	0.13	-1.60e-03	0.0	-3.04e-05
266	148	-4.41	-2.33	-0.27	8.96e-04	0.0	-9.53e-05
266	161	2.60	4.71	0.16	-1.80e-03	0.0	-3.23e-05
266	180	-4.37	-2.42	-0.27	9.29e-04	0.0	-9.39e-05
266	193	2.63	4.88	0.16	-1.87e-03	0.0	-2.97e-05
266	212	-5.11	-2.92	-0.31	1.12e-03	0.0	-1.07e-04
266	225	3.12	5.87	0.20	-2.25e-03	0.0	-3.27e-05
266	264	-0.25	0.10	-0.04	-3.70e-05	0.0	-1.05e-05
266	276	-0.01	1.03	-0.03	3.03e-04	0.0	-3.64e-04
266	305	-0.06	0.06	-0.03	-2.44e-05	0.0	-1.18e-05
266	307	-0.01	0.25	-0.03	4.36e-05	0.0	-8.25e-05
266	310	-0.01	0.06	-0.03	-2.18e-05	0.0	-1.25e-05
267	44	-0.30	0.10	-0.04	-6.05e-05	0.0	-2.92e-05

267	68	-0.02	1.35	-0.03	-2.25e-05	0.0	-7.76e-04
267	76	-0.03	-0.31	-0.05	-5.23e-05	0.0	1.86e-04
267	116	-3.09	-1.66	-0.12	8.20e-04	0.0	-8.63e-05
267	129	1.82	3.33	0.08	-1.66e-03	0.0	-5.48e-05
267	132	-1.85	-3.25	-0.14	1.61e-03	0.0	1.57e-05
267	148	-3.47	-1.88	-0.13	9.32e-04	0.0	-9.44e-05
267	161	2.06	3.77	0.10	-1.88e-03	0.0	-5.92e-05
267	164	-2.09	-3.69	-0.15	1.83e-03	0.0	2.02e-05
267	180	-3.43	-1.95	-0.13	9.65e-04	0.0	-9.23e-05
267	193	2.08	3.91	0.10	-1.95e-03	0.0	-5.91e-05
267	196	-2.11	-3.83	-0.16	1.90e-03	0.0	2.01e-05
267	212	-4.02	-2.35	-0.15	1.17e-03	0.0	-1.04e-04
267	225	2.48	4.70	0.13	-2.35e-03	0.0	-6.73e-05
267	228	-2.51	-4.63	-0.18	2.30e-03	0.0	2.83e-05
267	264	-0.20	0.07	-0.03	-4.14e-05	0.0	-2.02e-05
267	276	-0.01	0.90	-0.03	-1.61e-05	0.0	-5.18e-04
267	280	-0.02	-0.21	-0.03	-3.59e-05	0.0	1.23e-04
267	298	-0.01	0.04	-0.03	-2.63e-05	0.0	-2.10e-05
267	305	-0.05	0.04	-0.03	-2.73e-05	0.0	-1.93e-05
267	307	-0.01	0.21	-0.03	-2.23e-05	0.0	-1.19e-04
267	310	-0.01	0.04	-0.03	-2.45e-05	0.0	-1.95e-05
268	44	-0.37	0.13	-0.06	-6.52e-05	0.0	-2.02e-05
268	68	-0.02	1.26	-0.04	2.71e-04	0.0	-6.14e-04
268	76	-0.03	-0.25	-0.06	-1.46e-04	0.0	1.47e-04
268	116	-3.92	-2.07	-0.15	8.14e-04	0.0	-9.18e-05
268	129	2.30	4.16	0.10	-1.66e-03	0.0	-3.06e-05
268	132	-2.33	-4.06	-0.17	1.61e-03	0.0	0.0
268	148	-4.41	-2.35	-0.17	9.26e-04	0.0	-1.01e-04
268	161	2.59	4.71	0.12	-1.88e-03	0.0	-3.21e-05
268	164	-2.62	-4.61	-0.19	1.82e-03	0.0	0.0
268	180	-4.37	-2.43	-0.17	9.59e-04	0.0	-9.99e-05
268	193	2.62	4.88	0.12	-1.95e-03	0.0	-2.90e-05
268	196	-2.65	-4.78	-0.19	1.89e-03	0.0	-2.15e-06
268	212	-5.11	-2.94	-0.19	1.16e-03	0.0	-1.14e-04
268	225	3.12	5.87	0.15	-2.34e-03	0.0	-3.10e-05
268	228	-3.15	-5.77	-0.23	2.29e-03	0.0	0.0
268	264	-0.25	0.09	-0.04	-4.46e-05	0.0	-1.41e-05
268	276	-0.01	0.84	-0.03	1.79e-04	0.0	-4.10e-04
268	280	-0.02	-0.17	-0.04	-9.88e-05	0.0	9.74e-05
268	298	-0.02	0.05	-0.04	-2.91e-05	0.0	-1.68e-05
268	305	-0.06	0.06	-0.04	-3.00e-05	0.0	-1.50e-05
268	307	-0.01	0.21	-0.03	1.48e-05	0.0	-9.42e-05
268	310	-0.01	0.05	-0.04	-2.71e-05	0.0	-1.56e-05
269	44	-0.31	0.08	-0.04	-6.55e-05	0.0	-3.69e-05
269	68	-0.02	0.91	-0.04	-1.04e-04	0.0	-9.17e-04
269	76	-0.03	-0.21	-0.07	-3.18e-05	0.0	2.18e-04
269	116	-3.09	-1.66	-0.02	8.42e-04	0.0	-9.10e-05
269	129	1.82	3.29	0.05	-1.71e-03	0.0	-7.44e-05
269	138	0.26	-2.68	-0.16	1.38e-03	0.0	1.19e-04
269	148	-3.47	-1.89	-0.01	9.57e-04	0.0	-9.90e-05
269	161	2.06	3.72	0.06	-1.93e-03	0.0	-8.09e-05
269	170	0.29	-3.04	-0.18	1.56e-03	0.0	1.38e-04
269	180	-3.43	-1.95	-0.02	9.91e-04	0.0	-9.64e-05
269	193	2.08	3.86	0.07	-2.00e-03	0.0	-8.21e-05
269	202	0.26	-3.12	-0.18	1.61e-03	0.0	1.39e-04
269	212	-4.02	-2.35	-0.01	1.20e-03	0.0	-1.07e-04
269	225	2.48	4.65	0.09	-2.41e-03	0.0	-9.44e-05
269	234	0.30	-3.71	-0.21	1.92e-03	0.0	1.69e-04
269	264	-0.20	0.06	-0.03	-4.48e-05	0.0	-2.56e-05
269	276	-0.01	0.60	-0.03	-7.05e-05	0.0	-6.13e-04
269	280	-0.02	-0.14	-0.05	-2.23e-05	0.0	1.44e-04
269	298	-0.01	0.03	-0.04	-2.81e-05	0.0	-2.59e-05
269	305	-0.05	0.03	-0.04	-2.93e-05	0.0	-2.39e-05
269	307	-0.01	0.14	-0.03	-3.45e-05	0.0	-1.41e-04
269	310	-0.01	0.03	-0.04	-2.62e-05	0.0	-2.41e-05
270	44	-0.37	0.12	-0.06	-7.70e-05	0.0	-2.88e-05
270	68	-0.02	0.91	-0.05	5.36e-05	0.0	-7.34e-04
270	76	-0.03	-0.17	-0.08	-9.47e-05	0.0	1.70e-04
270	116	-3.92	-2.08	-0.02	8.41e-04	0.0	-9.91e-05
270	129	2.30	4.15	0.06	-1.73e-03	0.0	-3.63e-05
270	138	0.36	-3.37	-0.20	1.39e-03	0.0	8.14e-05
270	148	-4.41	-2.37	-0.02	9.57e-04	0.0	-1.09e-04
270	161	2.59	4.70	0.08	-1.95e-03	0.0	-3.78e-05
270	170	0.40	-3.82	-0.22	1.58e-03	0.0	9.43e-05
270	180	-4.37	-2.45	-0.02	9.91e-04	0.0	-1.07e-04

270	193	2.62	4.88	0.08	-2.03e-03	0.0	-3.48e-05
270	202	0.37	-3.93	-0.23	1.62e-03	0.0	9.42e-05
270	212	-5.11	-2.95	-0.02	1.20e-03	0.0	-1.22e-04
270	225	3.12	5.87	0.11	-2.44e-03	0.0	-3.70e-05
270	234	0.42	-4.68	-0.26	1.93e-03	0.0	1.15e-04
270	264	-0.25	0.08	-0.04	-5.27e-05	0.0	-2.00e-05
270	276	-0.01	0.61	-0.04	3.43e-05	0.0	-4.90e-04
270	280	-0.02	-0.11	-0.06	-6.45e-05	0.0	1.13e-04
270	298	-0.02	0.04	-0.05	-3.51e-05	0.0	-2.24e-05
270	305	-0.06	0.05	-0.04	-3.60e-05	0.0	-2.03e-05
270	307	-0.01	0.15	-0.04	-1.86e-05	0.0	-1.14e-04
270	310	-0.01	0.04	-0.05	-3.28e-05	0.0	-2.09e-05
271	44	-0.31	0.06	-0.03	0.0	-1.18e-04	9.57e-04
271	68	-0.02	0.36	-0.03	0.0	-5.91e-06	-5.12e-06
271	76	-0.03	-0.08	-0.08	0.0	-3.43e-06	-1.05e-05
271	116	-3.09	-1.67	0.15	0.0	-1.64e-03	9.11e-05
271	129	1.82	3.23	0.11	0.0	9.35e-04	5.60e-05
271	138	0.26	-2.63	-0.39	0.0	1.88e-04	-1.12e-04
271	148	-3.47	-1.89	0.18	0.0	-1.84e-03	1.02e-04
271	161	2.06	3.66	0.13	0.0	1.06e-03	6.44e-05
271	170	0.29	-2.98	-0.43	0.0	2.10e-04	-1.26e-04
271	180	-3.43	-1.96	0.17	0.0	-1.82e-03	9.73e-05
271	193	2.08	3.80	0.14	0.0	1.06e-03	6.88e-05
271	202	0.26	-3.06	-0.44	0.0	1.99e-04	-1.26e-04
271	212	-4.02	-2.35	0.20	0.0	-2.14e-03	1.13e-04
271	225	2.48	4.58	0.18	0.0	1.26e-03	8.50e-05
271	234	0.30	-3.64	-0.51	0.0	2.28e-04	-1.47e-04
271	264	-0.21	0.04	-0.02	0.0	-7.88e-05	6.38e-04
271	276	-0.01	0.24	-0.02	0.0	-4.00e-06	-3.61e-06
271	280	-0.02	-0.05	-0.06	0.0	-2.34e-06	-7.17e-06
271	303	4.94e-03	9.29e-03	-0.04	0.0	5.27e-06	-6.92e-05
271	305	-0.05	0.02	-0.04	0.0	-1.76e-05	1.24e-04
271	307	-0.01	0.06	-0.04	0.0	-2.68e-06	-4.41e-06
271	310	-0.01	0.01	-0.04	0.0	-2.37e-06	-4.81e-06
272	44	-0.38	0.10	-0.05	0.0	-7.58e-05	7.63e-04
272	68	-0.02	0.46	-0.04	0.0	-3.11e-06	-6.82e-06
272	76	-0.03	-0.07	-0.10	0.0	1.96e-06	-9.92e-06
272	116	-3.92	-2.10	0.17	0.0	-1.66e-03	4.02e-05
272	129	2.30	4.13	0.12	0.0	9.37e-04	8.76e-05
272	138	0.36	-3.35	-0.45	0.0	2.06e-04	-9.83e-05
272	148	-4.41	-2.39	0.20	0.0	-1.86e-03	4.51e-05
272	161	2.59	4.68	0.14	0.0	1.06e-03	1.00e-04
272	170	0.40	-3.79	-0.50	0.0	2.30e-04	-1.10e-04
272	180	-4.37	-2.47	0.18	0.0	-1.84e-03	4.02e-05
272	193	2.62	4.86	0.16	0.0	1.07e-03	1.05e-04
272	202	0.37	-3.89	-0.51	0.0	2.19e-04	-1.10e-04
272	212	-5.11	-2.98	0.22	0.0	-2.16e-03	4.57e-05
272	225	3.12	5.84	0.20	0.0	1.26e-03	1.28e-04
272	234	0.42	-4.64	-0.59	0.0	2.51e-04	-1.29e-04
272	264	-0.25	0.07	-0.03	0.0	-5.05e-05	5.09e-04
272	276	-0.01	0.31	-0.03	0.0	-2.01e-06	-4.73e-06
272	280	-0.02	-0.05	-0.07	0.0	1.37e-06	-6.80e-06
272	303	8.40e-03	0.02	-0.06	0.0	5.28e-06	-5.62e-05
272	305	-0.06	0.04	-0.05	0.0	-1.00e-05	9.81e-05
272	307	-0.01	0.08	-0.05	0.0	0.0	-4.63e-06
272	310	-0.02	0.03	-0.05	0.0	0.0	-4.80e-06
273	44	-0.43	0.17	-0.09	-4.10e-05	0.0	-1.27e-06
273	68	-0.02	1.37	-0.04	9.35e-04	0.0	-3.32e-04
273	116	-4.68	-2.38	-0.53	7.54e-04	0.0	-1.24e-04
273	129	2.73	4.83	0.28	-1.51e-03	0.0	1.12e-04
273	148	-5.27	-2.70	-0.60	8.57e-04	0.0	-1.39e-04
273	161	3.08	5.46	0.32	-1.71e-03	0.0	1.27e-04
273	180	-5.21	-2.80	-0.59	8.88e-04	0.0	-1.37e-04
273	193	3.11	5.67	0.32	-1.77e-03	0.0	1.27e-04
273	212	-6.10	-3.38	-0.69	1.07e-03	0.0	-1.60e-04
273	225	3.70	6.81	0.39	-2.13e-03	0.0	1.53e-04
273	264	-0.28	0.11	-0.06	-2.80e-05	0.0	-1.01e-06
273	276	-0.01	0.91	-0.03	6.23e-04	0.0	-2.22e-04
273	305	-0.07	0.08	-0.04	-1.74e-05	0.0	-4.47e-06
273	307	-0.01	0.24	-0.03	1.13e-04	0.0	-4.86e-05
273	310	-0.01	0.07	-0.03	-1.52e-05	0.0	-5.45e-06
274	44	-0.43	0.17	-0.07	-5.33e-05	0.0	-2.35e-06
274	68	-0.02	1.21	-0.05	7.30e-04	0.0	-3.22e-04
274	116	-4.68	-2.40	-0.30	7.81e-04	0.0	-7.14e-05
274	129	2.73	4.87	0.16	-1.58e-03	0.0	-6.56e-05

274	148	-5.26	-2.73	-0.33	8.87e-04	0.0	-7.92e-05
274	161	3.08	5.51	0.18	-1.78e-03	0.0	-7.34e-05
274	180	-5.21	-2.83	-0.33	9.19e-04	0.0	-7.67e-05
274	193	3.11	5.72	0.19	-1.85e-03	0.0	-7.50e-05
274	212	-6.10	-3.42	-0.38	1.11e-03	0.0	-8.77e-05
274	225	3.70	6.87	0.23	-2.23e-03	0.0	-8.93e-05
274	264	-0.28	0.11	-0.05	-3.64e-05	0.0	-1.76e-06
274	276	-0.01	0.81	-0.04	4.86e-04	0.0	-2.15e-04
274	305	-0.07	0.08	-0.04	-2.39e-05	0.0	-5.13e-06
274	307	-0.01	0.21	-0.04	8.06e-05	0.0	-4.77e-05
274	310	-0.01	0.07	-0.04	-2.13e-05	0.0	-6.10e-06
275	44	-0.48	0.18	-0.10	-1.99e-04	0.0	1.70e-05
275	68	-0.02	0.69	-0.06	-1.54e-03	2.46e-05	0.0
275	116	-5.46	-2.71	-0.51	9.23e-04	1.27e-05	-1.42e-04
275	137	2.38	5.49	0.18	-2.11e-03	-2.49e-05	1.03e-04
275	148	-6.14	-3.08	-0.57	1.06e-03	1.44e-05	-1.60e-04
275	161	3.57	6.21	0.28	-2.40e-03	-2.70e-05	2.13e-04
275	180	-6.08	-3.19	-0.56	1.10e-03	1.47e-05	-1.59e-04
275	193	3.61	6.44	0.29	-2.49e-03	-2.78e-05	2.17e-04
275	212	-7.12	-3.85	-0.65	1.34e-03	1.75e-05	-1.89e-04
275	225	4.28	7.74	0.35	-2.98e-03	-3.35e-05	2.59e-04
275	264	-0.32	0.12	-0.07	-1.39e-04	0.0	1.16e-05
275	276	-0.01	0.47	-0.04	-1.03e-03	1.64e-05	0.0
275	305	-0.07	0.08	-0.05	-1.18e-04	0.0	5.47e-06
275	307	-0.01	0.15	-0.04	-2.96e-04	3.24e-06	3.25e-06
275	310	-0.01	0.07	-0.05	-1.16e-04	0.0	4.05e-06
276	44	-0.48	0.19	-0.10	-1.96e-04	4.38e-06	9.70e-06
276	68	-0.02	0.69	-0.07	-1.56e-03	-2.80e-04	7.29e-05
276	116	-5.45	-2.75	-0.37	8.74e-04	-4.86e-05	-1.39e-04
276	129	3.16	5.57	0.18	-2.04e-03	9.73e-04	1.66e-04
276	148	-6.12	-3.13	-0.40	1.00e-03	-5.66e-05	-1.56e-04
276	161	3.56	6.30	0.21	-2.29e-03	1.10e-03	1.87e-04
276	180	-6.06	-3.24	-0.40	1.04e-03	-6.58e-05	-1.55e-04
276	193	3.60	6.54	0.22	-2.37e-03	1.14e-03	1.90e-04
276	212	-7.10	-3.91	-0.46	1.28e-03	-8.41e-05	-1.83e-04
276	225	4.27	7.86	0.27	-2.84e-03	1.37e-03	2.27e-04
276	264	-0.32	0.13	-0.07	-1.37e-04	3.06e-06	6.48e-06
276	276	-0.01	0.46	-0.05	-1.05e-03	-1.86e-04	4.86e-05
276	305	-0.07	0.09	-0.06	-1.16e-04	2.61e-06	1.14e-06
276	307	-0.01	0.15	-0.05	-2.98e-04	-3.53e-05	9.56e-06
276	310	-0.01	0.08	-0.05	-1.15e-04	2.59e-06	0.0
277	44	-0.43	0.16	-0.07	-6.82e-05	0.0	-6.64e-06
277	68	-0.02	1.04	-0.06	4.73e-04	0.0	-3.67e-04
277	76	-0.02	-0.16	-0.08	-2.11e-04	0.0	8.92e-05
277	116	-4.68	-2.43	-0.18	8.10e-04	0.0	-7.64e-05
277	129	2.73	4.91	0.11	-1.66e-03	0.0	-5.92e-05
277	132	-2.75	-4.78	-0.21	1.60e-03	0.0	4.17e-05
277	148	-5.26	-2.76	-0.20	9.22e-04	0.0	-8.46e-05
277	161	3.08	5.55	0.13	-1.87e-03	0.0	-6.57e-05
277	164	-3.10	-5.42	-0.23	1.82e-03	0.0	4.82e-05
277	180	-5.21	-2.86	-0.20	9.55e-04	0.0	-8.22e-05
277	193	3.11	5.76	0.14	-1.94e-03	0.0	-6.65e-05
277	196	-3.14	-5.63	-0.23	1.89e-03	0.0	4.91e-05
277	212	-6.10	-3.45	-0.23	1.15e-03	0.0	-9.37e-05
277	225	3.69	6.93	0.18	-2.34e-03	0.0	-7.85e-05
277	228	-3.72	-6.80	-0.27	2.28e-03	0.0	6.10e-05
277	264	-0.28	0.11	-0.05	-4.67e-05	0.0	-4.74e-06
277	276	-0.01	0.70	-0.04	3.14e-04	0.0	-2.45e-04
277	280	-0.02	-0.10	-0.06	-1.42e-04	0.0	5.92e-05
277	298	-0.01	0.07	-0.05	-3.09e-05	0.0	-9.40e-06
277	305	-0.07	0.07	-0.05	-3.18e-05	0.0	-7.78e-06
277	307	-0.01	0.19	-0.05	4.03e-05	0.0	-5.59e-05
277	310	-0.01	0.06	-0.05	-2.88e-05	0.0	-8.73e-06
278	44	-0.48	0.20	-0.11	-1.77e-04	3.60e-06	5.99e-06
278	68	-0.02	0.69	-0.08	-1.26e-03	-3.09e-04	-1.17e-04
278	76	-0.02	-0.02	-0.11	1.32e-04	9.77e-05	2.91e-05
278	116	-5.43	-2.79	-0.22	7.75e-04	-1.28e-05	-1.27e-04
278	129	3.15	5.65	0.12	-1.81e-03	4.08e-04	1.30e-04
278	132	-3.17	-5.49	-0.25	1.60e-03	-4.04e-04	-1.35e-04
278	148	-6.11	-3.18	-0.24	8.91e-04	-1.54e-05	-1.42e-04
278	161	3.55	6.39	0.14	-2.03e-03	4.59e-04	1.47e-04
278	164	-3.57	-6.24	-0.27	1.83e-03	-4.55e-04	-1.52e-04
278	180	-6.05	-3.29	-0.24	9.26e-04	-2.03e-05	-1.40e-04
278	193	3.59	6.63	0.15	-2.11e-03	4.57e-04	1.48e-04
278	196	-3.61	-6.48	-0.28	1.90e-03	-4.53e-04	-1.53e-04

278	212	-7.08	-3.97	-0.28	1.13e-03	-2.80e-05	-1.64e-04
278	225	4.26	7.98	0.19	-2.52e-03	5.47e-04	1.77e-04
278	228	-4.28	-7.82	-0.32	2.31e-03	-5.43e-04	-1.81e-04
278	264	-0.32	0.13	-0.08	-1.23e-04	2.52e-06	3.88e-06
278	276	-0.01	0.46	-0.06	-8.43e-04	-2.06e-04	-7.79e-05
278	280	-0.01	-8.78e-03	-0.08	8.27e-05	6.53e-05	1.93e-05
278	298	-0.01	0.08	-0.07	-1.09e-04	2.19e-06	-2.47e-06
278	305	-0.07	0.09	-0.07	-1.04e-04	2.10e-06	-1.00e-06
278	307	-0.01	0.15	-0.06	-2.48e-04	-3.96e-05	-1.74e-05
278	310	-0.01	0.08	-0.07	-1.03e-04	2.08e-06	-2.35e-06
279	44	-0.43	0.16	-0.07	-8.50e-05	0.0	-1.41e-05
279	68	-0.02	0.84	-0.07	1.67e-04	0.0	-4.49e-04
279	76	-0.03	-0.11	-0.10	-1.40e-04	0.0	1.03e-04
279	116	-4.68	-2.46	-0.03	8.38e-04	0.0	-8.36e-05
279	129	2.72	4.93	0.07	-1.74e-03	0.0	-5.58e-05
279	138	0.46	-4.00	-0.24	1.39e-03	0.0	4.80e-05
279	148	-5.26	-2.79	-0.02	9.55e-04	0.0	-9.21e-05
279	161	3.07	5.58	0.09	-1.96e-03	0.0	-6.11e-05
279	170	0.52	-4.54	-0.26	1.58e-03	0.0	5.53e-05
279	180	-5.21	-2.89	-0.03	9.89e-04	0.0	-8.98e-05
279	193	3.11	5.79	0.09	-2.04e-03	0.0	-6.13e-05
279	202	0.48	-4.66	-0.27	1.62e-03	0.0	5.19e-05
279	212	-6.10	-3.49	-0.02	1.20e-03	0.0	-1.02e-04
279	225	3.69	6.97	0.12	-2.45e-03	0.0	-7.11e-05
279	234	0.55	-5.55	-0.31	1.94e-03	0.0	6.21e-05
279	264	-0.29	0.11	-0.05	-5.82e-05	0.0	-9.89e-06
279	276	-0.01	0.56	-0.05	1.10e-04	0.0	-3.00e-04
279	280	-0.02	-0.07	-0.07	-9.49e-05	0.0	6.79e-05
279	298	-0.01	0.06	-0.06	-4.01e-05	0.0	-1.44e-05
279	305	-0.07	0.07	-0.06	-4.08e-05	0.0	-1.24e-05
279	307	-0.01	0.16	-0.06	-7.17e-06	0.0	-7.04e-05
279	310	-0.01	0.06	-0.06	-3.74e-05	0.0	-1.34e-05
280	44	-0.48	0.20	-0.10	-1.54e-04	-7.90e-06	2.74e-06
280	68	-0.02	0.68	-0.09	-8.04e-04	-1.15e-04	-1.68e-04
280	76	-0.02	-0.02	-0.13	2.87e-05	2.54e-05	3.98e-05
280	116	-5.42	-2.83	-0.04	6.11e-04	-1.74e-03	-1.16e-04
280	129	3.14	5.72	0.07	-1.45e-03	3.37e-03	1.03e-04
280	138	0.57	-4.63	-0.28	1.05e-03	-2.84e-03	5.77e-05
280	148	-6.10	-3.22	-0.03	7.04e-04	-1.97e-03	-1.30e-04
280	161	3.54	6.47	0.09	-1.63e-03	3.81e-03	1.16e-04
280	170	0.63	-5.25	-0.31	1.20e-03	-3.22e-03	6.52e-05
280	180	-6.03	-3.34	-0.04	7.31e-04	-2.04e-03	-1.27e-04
280	193	3.58	6.71	0.10	-1.69e-03	3.96e-03	1.15e-04
280	202	0.59	-5.39	-0.31	1.23e-03	-3.30e-03	6.12e-05
280	212	-7.06	-4.03	-0.03	8.97e-04	-2.45e-03	-1.48e-04
280	225	4.25	8.07	0.13	-2.01e-03	4.77e-03	1.37e-04
280	234	0.68	-6.42	-0.36	1.48e-03	-3.93e-03	7.12e-05
280	264	-0.32	0.14	-0.07	-1.07e-04	-5.47e-06	1.60e-06
280	276	-0.01	0.46	-0.06	-5.41e-04	-7.69e-05	-1.12e-04
280	280	-0.01	-7.16e-03	-0.09	1.48e-05	1.67e-05	2.63e-05
280	298	-0.01	0.08	-0.08	-9.49e-05	-3.65e-06	-4.66e-06
280	305	-0.07	0.09	-0.07	-9.06e-05	-3.69e-06	-3.06e-06
280	307	-0.01	0.15	-0.07	-1.77e-04	-1.80e-05	-2.59e-05
280	310	-0.01	0.08	-0.07	-8.92e-05	-3.50e-06	-4.42e-06
281	44	-0.43	0.15	-0.07	0.0	-5.07e-05	4.60e-04
281	68	-0.02	0.56	-0.07	0.0	0.0	-7.80e-06
281	76	-0.03	-0.05	-0.13	0.0	7.86e-06	-8.33e-06
281	116	-4.68	-2.49	0.17	0.0	-1.66e-03	4.49e-06
281	129	2.72	4.96	0.12	0.0	9.33e-04	1.12e-04
281	138	0.46	-3.99	-0.50	0.0	2.17e-04	-8.48e-05
281	148	-5.26	-2.83	0.20	0.0	-1.86e-03	4.91e-06
281	161	3.07	5.61	0.15	0.0	1.05e-03	1.27e-04
281	170	0.52	-4.53	-0.55	0.0	2.42e-04	-9.50e-05
281	180	-5.21	-2.93	0.19	0.0	-1.84e-03	0.0
281	193	3.11	5.82	0.16	0.0	1.06e-03	1.33e-04
281	202	0.48	-4.65	-0.56	0.0	2.32e-04	-9.46e-05
281	212	-6.10	-3.53	0.22	0.0	-2.16e-03	0.0
281	225	3.69	7.00	0.21	0.0	1.26e-03	1.61e-04
281	234	0.54	-5.54	-0.65	0.0	2.66e-04	-1.11e-04
281	264	-0.29	0.10	-0.05	0.0	-3.36e-05	3.07e-04
281	276	-0.02	0.38	-0.05	0.0	0.0	-5.40e-06
281	280	-0.02	-0.03	-0.09	0.0	5.46e-06	-5.75e-06
281	298	-0.02	0.05	-0.07	0.0	3.37e-06	-4.67e-06
281	305	-0.07	0.06	-0.06	0.0	-4.33e-06	5.79e-05
281	307	-0.01	0.11	-0.06	0.0	2.50e-06	-4.46e-06

281	310	-0.01	0.05	-0.07	0.0	3.14e-06	-4.38e-06
282	44	-0.48	0.20	-0.10	-1.37e-04	-2.39e-05	5.46e-06
282	68	-0.02	0.67	-0.10	-3.32e-04	1.18e-04	-1.66e-04
282	76	-0.02	-0.02	-0.18	-9.07e-05	-6.49e-05	4.15e-05
282	116	-5.42	-2.87	0.15	4.25e-04	-4.98e-03	-6.72e-05
282	129	3.14	5.77	0.11	-1.05e-03	9.58e-03	-4.70e-05
282	138	0.57	-4.63	-0.55	7.36e-04	-8.05e-03	6.70e-05
282	148	-6.09	-3.26	0.18	4.92e-04	-5.64e-03	-7.49e-05
282	161	3.54	6.53	0.14	-1.18e-03	0.01	-5.23e-05
282	170	0.63	-5.25	-0.61	8.43e-04	-9.11e-03	7.56e-05
282	180	-6.03	-3.38	0.17	5.12e-04	-5.84e-03	-7.25e-05
282	193	3.58	6.78	0.15	-1.23e-03	0.01	-5.17e-05
282	202	0.59	-5.39	-0.61	8.68e-04	-9.36e-03	7.29e-05
282	212	-7.06	-4.08	0.21	6.32e-04	-7.02e-03	-8.33e-05
282	225	4.25	8.15	0.20	-1.46e-03	0.01	-6.11e-05
282	234	0.68	-6.42	-0.71	1.05e-03	-0.01	8.53e-05
282	264	-0.32	0.14	-0.08	-9.52e-05	-1.66e-05	3.45e-06
282	276	-0.01	0.45	-0.07	-2.25e-04	7.82e-05	-1.11e-04
282	280	-0.01	-8.53e-03	-0.12	-6.43e-05	-4.39e-05	2.75e-05
282	298	-0.01	0.08	-0.10	-8.53e-05	-1.22e-05	-3.79e-06
282	305	-0.07	0.09	-0.09	-8.13e-05	-1.21e-05	-2.10e-06
282	307	-0.01	0.15	-0.09	-1.07e-04	6.89e-06	-2.49e-05
282	310	-9.76e-03	0.08	-0.09	-8.02e-05	-1.16e-05	-3.58e-06
283	4	0.09	-7.25e-03	-0.03	0.0	1.44e-04	-1.31e-04
283	44	-0.34	2.05e-03	-0.02	0.0	-5.32e-04	4.16e-04
283	70	-4.79e-04	0.08	-8.97e-03	0.0	-1.54e-06	1.46e-06
283	116	-0.77	-0.40	5.30e-03	0.0	-1.55e-03	7.51e-05
283	118	0.64	-0.01	-0.04	0.0	1.30e-03	-1.00e-04
283	132	-0.46	-0.74	-0.01	0.0	-9.12e-04	-9.44e-06
283	148	-0.86	-0.45	7.76e-03	0.0	-1.74e-03	8.45e-05
283	150	0.72	-0.01	-0.04	0.0	1.47e-03	-1.12e-04
283	164	-0.51	-0.84	-0.01	0.0	-1.03e-03	-1.05e-05
283	180	-0.85	-0.46	7.26e-03	0.0	-1.72e-03	8.21e-05
283	182	0.71	-0.01	-0.04	0.0	1.44e-03	-1.10e-04
283	196	-0.52	-0.87	-0.01	0.0	-1.04e-03	-1.20e-05
283	212	-1.00	-0.56	0.01	0.0	-2.01e-03	9.57e-05
283	214	0.83	-0.01	-0.05	0.0	1.68e-03	-1.28e-04
283	228	-0.62	-1.05	-0.01	0.0	-1.23e-03	-1.46e-05
283	244	0.06	-4.87e-03	-0.02	0.0	9.57e-05	-8.76e-05
283	264	-0.22	1.33e-03	-0.01	0.0	-3.55e-04	2.77e-04
283	274	-1.32e-03	0.05	-9.91e-03	0.0	-2.80e-06	0.0
283	298	-4.05e-03	-3.05e-03	-0.02	0.0	-7.06e-06	-2.81e-06
283	305	-0.05	-1.95e-03	-0.01	0.0	-7.61e-05	5.34e-05
283	306	-2.24e-03	9.54e-03	-0.01	0.0	-4.02e-06	-1.26e-06
283	310	-3.83e-03	-2.79e-03	-0.01	0.0	-6.68e-06	-2.65e-06
284	1	0.0	0.0	0.0	0.0	1.65e-04	-2.55e-05
284	113	0.0	0.0	0.0	0.0	1.52e-03	-9.02e-06
284	145	0.0	0.0	0.0	0.0	1.71e-03	-1.01e-05
284	177	0.0	0.0	0.0	0.0	1.70e-03	-9.79e-06
284	209	0.0	0.0	0.0	0.0	1.99e-03	-1.13e-05
284	241	0.0	0.0	0.0	0.0	1.10e-04	-1.71e-05
284	297	0.0	0.0	0.0	0.0	-4.64e-06	0.0
284	309	0.0	0.0	0.0	0.0	-4.64e-06	0.0
285	4	0.16	-9.28e-03	-0.05	0.0	1.07e-04	-2.25e-04
285	44	-0.60	0.01	-0.04	0.0	-3.99e-04	7.20e-04
285	70	-1.32e-03	0.16	-0.02	0.0	-2.06e-06	1.59e-06
285	116	-1.54	-0.81	0.01	0.0	-1.57e-03	1.13e-04
285	118	1.30	-0.03	-0.08	0.0	1.33e-03	-1.54e-04
285	132	-0.91	-1.53	-0.03	0.0	-9.14e-04	-2.19e-05
285	148	-1.73	-0.91	0.02	0.0	-1.76e-03	1.27e-04
285	150	1.46	-0.03	-0.09	0.0	1.49e-03	-1.73e-04
285	164	-1.03	-1.74	-0.03	0.0	-1.03e-03	-2.46e-05
285	180	-1.71	-0.95	0.02	0.0	-1.74e-03	1.23e-04
285	182	1.43	-0.03	-0.09	0.0	1.47e-03	-1.69e-04
285	196	-1.04	-1.80	-0.03	0.0	-1.04e-03	-2.73e-05
285	212	-2.01	-1.14	0.02	0.0	-2.04e-03	1.43e-04
285	214	1.67	-0.03	-0.10	0.0	1.71e-03	-1.97e-04
285	228	-1.23	-2.17	-0.03	0.0	-1.23e-03	-3.32e-05
285	244	0.11	-6.18e-03	-0.04	0.0	7.09e-05	-1.50e-04
285	264	-0.40	8.44e-03	-0.03	0.0	-2.66e-04	4.80e-04
285	274	-2.77e-03	0.11	-0.02	0.0	-2.89e-06	0.0
285	298	-7.58e-03	-2.70e-03	-0.03	0.0	-5.98e-06	-4.16e-06
285	305	-0.09	-3.07e-04	-0.03	0.0	-5.77e-05	9.29e-05
285	306	-4.25e-03	0.02	-0.02	0.0	-3.53e-06	-1.86e-06
285	310	-7.17e-03	-2.44e-03	-0.03	0.0	-5.67e-06	-3.91e-06

286	4	0.21	-3.78e-03	-0.08	0.0	5.80e-05	-2.75e-04
286	44	-0.76	0.03	-0.06	0.0	-2.26e-04	8.79e-04
286	68	-0.01	0.25	-0.06	0.0	-6.51e-06	-3.43e-06
286	116	-2.33	-1.23	0.02	0.0	-1.59e-03	1.11e-04
286	118	1.97	-0.05	-0.12	0.0	1.36e-03	-1.63e-04
286	129	1.35	2.36	-0.04	0.0	9.07e-04	3.27e-05
286	148	-2.62	-1.40	0.03	0.0	-1.78e-03	1.25e-04
286	150	2.21	-0.06	-0.13	0.0	1.53e-03	-1.82e-04
286	161	1.52	2.68	-0.04	0.0	1.02e-03	3.79e-05
286	180	-2.59	-1.45	0.03	0.0	-1.77e-03	1.20e-04
286	182	2.18	-0.05	-0.13	0.0	1.50e-03	-1.78e-04
286	193	1.54	2.78	-0.04	0.0	1.03e-03	4.15e-05
286	212	-3.03	-1.74	0.04	0.0	-2.07e-03	1.40e-04
286	214	2.54	-0.06	-0.15	0.0	1.75e-03	-2.07e-04
286	225	1.83	3.35	-0.04	0.0	1.23e-03	5.22e-05
286	244	0.14	-2.30e-03	-0.06	0.0	3.85e-05	-1.83e-04
286	264	-0.51	0.02	-0.04	0.0	-1.51e-04	5.86e-04
286	276	-8.22e-03	0.17	-0.04	0.0	-4.50e-06	-2.48e-06
286	298	-0.01	2.21e-03	-0.05	0.0	-4.52e-06	-4.72e-06
286	305	-0.11	5.85e-03	-0.04	0.0	-3.35e-05	1.14e-04
286	307	-9.27e-03	0.04	-0.04	0.0	-4.26e-06	-3.90e-06
286	310	-9.78e-03	2.15e-03	-0.04	0.0	-4.29e-06	-4.43e-06
287	44	-0.53	2.16e-03	-0.03	0.0	-8.25e-04	3.45e-04
287	52	-4.47e-03	0.04	-0.03	0.0	-8.47e-06	-2.51e-06
287	70	-9.50e-04	0.08	-0.01	0.0	-1.95e-06	0.0
287	116	-0.80	-0.39	6.06e-03	0.0	-1.59e-03	4.73e-05
287	129	0.45	0.74	-0.05	0.0	8.94e-04	8.36e-06
287	132	-0.45	-0.74	0.01	0.0	-9.05e-04	-1.22e-05
287	148	-0.90	-0.45	9.15e-03	0.0	-1.78e-03	5.32e-05
287	161	0.51	0.83	-0.05	0.0	1.01e-03	9.86e-06
287	164	-0.51	-0.84	0.01	0.0	-1.02e-03	-1.37e-05
287	180	-0.89	-0.46	9.45e-03	0.0	-1.77e-03	5.14e-05
287	193	0.51	0.87	-0.05	0.0	1.02e-03	1.11e-05
287	196	-0.52	-0.87	0.02	0.0	-1.03e-03	-1.49e-05
287	212	-1.04	-0.55	0.01	0.0	-2.07e-03	5.98e-05
287	225	0.61	1.04	-0.06	0.0	1.21e-03	1.43e-05
287	228	-0.61	-1.05	0.02	0.0	-1.22e-03	-1.81e-05
287	264	-0.35	1.39e-03	-0.02	0.0	-5.50e-04	2.30e-04
287	268	-3.09e-03	0.03	-0.02	0.0	-5.86e-06	-1.77e-06
287	274	-1.37e-03	0.05	-0.01	0.0	-2.69e-06	0.0
287	298	-2.87e-03	-3.17e-03	-0.02	0.0	-5.40e-06	-2.03e-06
287	305	-0.07	-2.03e-03	-0.02	0.0	-1.14e-04	4.45e-05
287	306	-1.71e-03	9.35e-03	-0.01	0.0	-3.26e-06	0.0
287	310	-2.72e-03	-2.90e-03	-0.02	0.0	-5.12e-06	-1.91e-06
288	1	0.0	0.0	0.0	0.0	2.66e-04	-2.18e-05
288	113	0.0	0.0	0.0	0.0	1.58e-03	-6.27e-06
288	145	0.0	0.0	0.0	0.0	1.78e-03	-6.97e-06
288	177	0.0	0.0	0.0	0.0	1.76e-03	-6.75e-06
288	209	0.0	0.0	0.0	0.0	2.06e-03	-7.76e-06
288	241	0.0	0.0	0.0	0.0	1.77e-04	-1.45e-05
288	297	0.0	0.0	0.0	0.0	-3.52e-06	0.0
288	309	0.0	0.0	0.0	0.0	-3.52e-06	0.0
289	44	-0.94	0.01	-0.05	0.0	-5.97e-04	6.06e-04
289	52	-8.74e-03	0.09	-0.07	0.0	-7.91e-06	-4.42e-06
289	70	-1.92e-03	0.16	-0.03	0.0	-2.01e-06	0.0
289	116	-1.59	-0.81	0.01	0.0	-1.58e-03	8.07e-05
289	129	0.90	1.53	-0.09	0.0	8.91e-04	2.11e-05
289	132	-0.91	-1.53	0.02	0.0	-9.00e-04	-2.75e-05
289	148	-1.79	-0.91	0.02	0.0	-1.78e-03	9.07e-05
289	161	1.01	1.73	-0.10	0.0	1.00e-03	2.45e-05
289	164	-1.02	-1.74	0.03	0.0	-1.01e-03	-3.09e-05
289	180	-1.77	-0.95	0.02	0.0	-1.76e-03	8.74e-05
289	193	1.02	1.80	-0.10	0.0	1.01e-03	2.70e-05
289	196	-1.03	-1.80	0.03	0.0	-1.02e-03	-3.34e-05
289	212	-2.07	-1.14	0.03	0.0	-2.06e-03	1.02e-04
289	225	1.21	2.16	-0.11	0.0	1.20e-03	3.41e-05
289	228	-1.22	-2.17	0.04	0.0	-1.21e-03	-4.05e-05
289	264	-0.63	8.48e-03	-0.04	0.0	-3.98e-04	4.04e-04
289	268	-6.05e-03	0.06	-0.05	0.0	-5.47e-06	-3.10e-06
289	274	-2.72e-03	0.11	-0.03	0.0	-2.64e-06	0.0
289	298	-5.60e-03	-2.76e-03	-0.04	0.0	-4.98e-06	-3.41e-06
289	305	-0.13	-3.47e-04	-0.04	0.0	-8.34e-05	7.83e-05
289	306	-3.35e-03	0.02	-0.02	0.0	-3.06e-06	-1.56e-06
289	310	-5.31e-03	-2.50e-03	-0.04	0.0	-4.73e-06	-3.20e-06
290	44	-1.19	0.03	-0.08	0.0	-2.91e-04	7.46e-04

290	52	-0.01	0.15	-0.10	0.0	-7.02e-06	-5.55e-06
290	68	-9.95e-03	0.25	-0.09	0.0	-5.83e-06	-3.19e-06
290	116	-2.38	-1.23	0.02	0.0	-1.58e-03	8.52e-05
290	129	1.34	2.36	-0.14	0.0	8.85e-04	3.92e-05
290	148	-2.68	-1.40	0.02	0.0	-1.77e-03	9.57e-05
290	161	1.51	2.68	-0.15	0.0	9.98e-04	4.52e-05
290	180	-2.65	-1.45	0.03	0.0	-1.75e-03	9.15e-05
290	193	1.53	2.78	-0.15	0.0	1.01e-03	4.86e-05
290	212	-3.10	-1.74	0.04	0.0	-2.05e-03	1.06e-04
290	225	1.81	3.35	-0.17	0.0	1.20e-03	6.04e-05
290	264	-0.79	0.02	-0.06	0.0	-1.94e-04	4.97e-04
290	268	-8.71e-03	0.10	-0.07	0.0	-4.84e-06	-3.87e-06
290	276	-6.94e-03	0.17	-0.06	0.0	-4.05e-06	-2.29e-06
290	298	-8.01e-03	2.10e-03	-0.06	0.0	-4.32e-06	-4.03e-06
290	305	-0.16	5.76e-03	-0.05	0.0	-4.21e-05	9.65e-05
290	307	-7.34e-03	0.04	-0.05	0.0	-4.04e-06	-3.37e-06
290	310	-7.60e-03	2.05e-03	-0.05	0.0	-4.11e-06	-3.78e-06
291	44	-0.69	2.08e-03	-0.03	0.0	-1.07e-03	3.10e-04
291	52	-3.28e-03	0.04	-0.04	0.0	-6.66e-06	-2.26e-06
291	70	-1.11e-03	0.08	-0.02	0.0	-2.12e-06	0.0
291	116	-0.82	-0.39	3.29e-03	0.0	-1.62e-03	3.47e-05
291	129	0.45	0.73	-0.06	0.0	8.86e-04	1.09e-05
291	132	-0.45	-0.74	0.02	0.0	-8.94e-04	-1.41e-05
291	148	-0.92	-0.44	6.44e-03	0.0	-1.82e-03	3.90e-05
291	161	0.50	0.83	-0.07	0.0	1.00e-03	1.27e-05
291	164	-0.51	-0.84	0.02	0.0	-1.01e-03	-1.59e-05
291	180	-0.91	-0.46	7.25e-03	0.0	-1.80e-03	3.75e-05
291	193	0.51	0.86	-0.07	0.0	1.01e-03	1.39e-05
291	196	-0.51	-0.87	0.03	0.0	-1.02e-03	-1.71e-05
291	212	-1.06	-0.55	0.01	0.0	-2.10e-03	4.35e-05
291	225	0.60	1.04	-0.08	0.0	1.19e-03	1.74e-05
291	228	-0.61	-1.05	0.04	0.0	-1.20e-03	-2.06e-05
291	264	-0.46	1.33e-03	-0.02	0.0	-7.15e-04	2.06e-04
291	268	-2.26e-03	0.03	-0.03	0.0	-4.59e-06	-1.58e-06
291	274	-1.28e-03	0.05	-0.02	0.0	-2.52e-06	0.0
291	298	-1.98e-03	-3.33e-03	-0.02	0.0	-4.08e-06	-1.68e-06
291	305	-0.09	-2.16e-03	-0.02	0.0	-1.46e-04	4.01e-05
291	306	-1.30e-03	9.18e-03	-0.01	0.0	-2.65e-06	0.0
291	310	-1.89e-03	-3.05e-03	-0.02	0.0	-3.88e-06	-1.58e-06
292	1	0.0	0.0	0.0	0.0	3.51e-04	-1.91e-05
292	113	0.0	0.0	0.0	0.0	1.62e-03	-4.50e-06
292	145	0.0	0.0	0.0	0.0	1.82e-03	-5.00e-06
292	177	0.0	0.0	0.0	0.0	1.80e-03	-4.82e-06
292	209	0.0	0.0	0.0	0.0	2.10e-03	-5.52e-06
292	241	0.0	0.0	0.0	0.0	2.34e-04	-1.27e-05
292	297	0.0	0.0	0.0	0.0	-2.67e-06	0.0
292	309	0.0	0.0	0.0	0.0	-2.67e-06	0.0
293	44	-1.23	0.01	-0.06	0.0	-7.65e-04	5.41e-04
293	52	-6.59e-03	0.09	-0.08	0.0	-6.72e-06	-3.99e-06
293	70	-2.16e-03	0.16	-0.04	0.0	-2.04e-06	0.0
293	116	-1.63	-0.81	0.01	0.0	-1.60e-03	6.13e-05
293	129	0.89	1.53	-0.13	0.0	8.77e-04	2.52e-05
293	132	-0.90	-1.53	0.05	0.0	-8.85e-04	-3.06e-05
293	148	-1.83	-0.91	0.02	0.0	-1.79e-03	6.89e-05
293	161	1.00	1.73	-0.14	0.0	9.89e-04	2.91e-05
293	164	-1.01	-1.73	0.06	0.0	-9.97e-04	-3.45e-05
293	180	-1.81	-0.94	0.02	0.0	-1.77e-03	6.59e-05
293	193	1.01	1.79	-0.14	0.0	9.97e-04	3.14e-05
293	196	-1.02	-1.80	0.06	0.0	-1.01e-03	-3.69e-05
293	212	-2.11	-1.13	0.03	0.0	-2.08e-03	7.66e-05
293	225	1.20	2.16	-0.16	0.0	1.18e-03	3.91e-05
293	228	-1.21	-2.17	0.08	0.0	-1.19e-03	-4.46e-05
293	264	-0.82	8.37e-03	-0.04	0.0	-5.10e-04	3.61e-04
293	268	-4.54e-03	0.06	-0.06	0.0	-4.64e-06	-2.78e-06
293	274	-2.53e-03	0.11	-0.03	0.0	-2.48e-06	0.0
293	298	-4.02e-03	-2.93e-03	-0.04	0.0	-4.17e-06	-2.91e-06
293	305	-0.17	-4.94e-04	-0.04	0.0	-1.05e-04	7.00e-05
293	306	-2.62e-03	0.02	-0.03	0.0	-2.68e-06	-1.36e-06
293	310	-3.82e-03	-2.65e-03	-0.04	0.0	-3.97e-06	-2.73e-06
294	44	-1.54	0.03	-0.10	0.0	-3.47e-04	6.67e-04
294	52	-9.94e-03	0.15	-0.12	0.0	-6.83e-06	-4.87e-06
294	68	-8.37e-03	0.25	-0.11	0.0	-5.63e-06	-2.90e-06
294	116	-2.42	-1.23	0.02	0.0	-1.57e-03	6.76e-05
294	129	1.33	2.36	-0.20	0.0	8.63e-04	4.35e-05
294	148	-2.72	-1.40	0.03	0.0	-1.76e-03	7.59e-05

294	161	1.50	2.68	-0.22	0.0	9.74e-04	4.99e-05
294	180	-2.69	-1.45	0.03	0.0	-1.74e-03	7.20e-05
294	193	1.51	2.78	-0.22	0.0	9.82e-04	5.32e-05
294	212	-3.14	-1.74	0.05	0.0	-2.04e-03	8.34e-05
294	225	1.79	3.35	-0.26	0.0	1.16e-03	6.56e-05
294	264	-1.03	0.02	-0.07	0.0	-2.32e-04	4.44e-04
294	268	-6.86e-03	0.10	-0.08	0.0	-4.72e-06	-3.39e-06
294	276	-5.82e-03	0.17	-0.08	0.0	-3.92e-06	-2.07e-06
294	298	-6.11e-03	1.83e-03	-0.06	0.0	-4.28e-06	-3.46e-06
294	305	-0.21	5.51e-03	-0.06	0.0	-4.95e-05	8.64e-05
294	307	-5.74e-03	0.03	-0.06	0.0	-3.98e-06	-2.91e-06
294	310	-5.82e-03	1.80e-03	-0.06	0.0	-4.07e-06	-3.24e-06
295	43	-0.85	1.63e-03	-0.04	0.0	-1.27e-03	3.33e-04
295	68	-2.16e-03	0.07	-0.06	0.0	-4.79e-06	-1.25e-06
295	70	-1.21e-03	0.08	-0.04	0.0	-2.22e-06	0.0
295	116	-0.83	-0.39	0.07	0.0	-1.64e-03	3.18e-05
295	129	0.44	0.73	-0.21	0.0	8.79e-04	1.16e-05
295	132	-0.45	-0.74	0.16	0.0	-8.85e-04	-1.46e-05
295	148	-0.94	-0.44	0.08	0.0	-1.84e-03	3.58e-05
295	161	0.50	0.83	-0.24	0.0	9.91e-04	1.35e-05
295	164	-0.50	-0.83	0.18	0.0	-9.97e-04	-1.65e-05
295	180	-0.93	-0.46	0.09	0.0	-1.82e-03	3.43e-05
295	193	0.50	0.86	-0.24	0.0	9.97e-04	1.47e-05
295	196	-0.51	-0.87	0.19	0.0	-1.00e-03	-1.77e-05
295	212	-1.08	-0.55	0.11	0.0	-2.13e-03	3.99e-05
295	225	0.60	1.04	-0.29	0.0	1.18e-03	1.83e-05
295	228	-0.60	-1.04	0.24	0.0	-1.19e-03	-2.13e-05
295	263	-0.56	1.02e-03	-0.03	0.0	-8.45e-04	2.22e-04
295	274	-1.16e-03	0.05	-0.03	0.0	-2.36e-06	0.0
295	276	-1.48e-03	0.05	-0.04	0.0	-3.31e-06	0.0
295	305	-0.11	-2.25e-03	-0.03	0.0	-1.71e-04	4.33e-05
295	306	-9.18e-04	9.06e-03	-0.02	0.0	-2.18e-06	0.0
295	307	-1.19e-03	7.38e-03	-0.03	0.0	-2.99e-06	-1.34e-06
295	310	-1.12e-03	-3.14e-03	-0.03	0.0	-2.95e-06	-1.50e-06
296	1	0.0	0.0	0.0	0.0	4.19e-04	-1.61e-05
296	113	0.0	0.0	0.0	0.0	1.64e-03	-3.96e-06
296	145	0.0	0.0	0.0	0.0	1.85e-03	-4.40e-06
296	177	0.0	0.0	0.0	0.0	1.83e-03	-4.23e-06
296	209	0.0	0.0	0.0	0.0	2.14e-03	-4.85e-06
296	241	0.0	0.0	0.0	0.0	2.80e-04	-1.08e-05
296	297	0.0	0.0	0.0	0.0	-2.01e-06	0.0
296	309	0.0	0.0	0.0	0.0	-2.01e-06	0.0
297	43	-1.50	0.01	-0.08	0.0	-8.96e-04	5.60e-04
297	68	-4.42e-03	0.16	-0.12	0.0	-5.08e-06	-2.25e-06
297	70	-2.30e-03	0.16	-0.07	0.0	-2.07e-06	0.0
297	116	-1.65	-0.81	0.12	0.0	-1.61e-03	5.62e-05
297	129	0.88	1.52	-0.38	0.0	8.65e-04	2.63e-05
297	132	-0.89	-1.53	0.28	0.0	-8.72e-04	-3.15e-05
297	148	-1.86	-0.91	0.14	0.0	-1.80e-03	6.32e-05
297	161	1.00	1.73	-0.42	0.0	9.76e-04	3.03e-05
297	164	-1.00	-1.73	0.32	0.0	-9.83e-04	-3.55e-05
297	180	-1.84	-0.94	0.15	0.0	-1.78e-03	6.03e-05
297	193	1.00	1.79	-0.44	0.0	9.83e-04	3.26e-05
297	196	-1.01	-1.80	0.33	0.0	-9.89e-04	-3.78e-05
297	212	-2.15	-1.13	0.19	0.0	-2.09e-03	7.00e-05
297	225	1.19	2.16	-0.52	0.0	1.16e-03	4.05e-05
297	228	-1.19	-2.17	0.41	0.0	-1.17e-03	-4.57e-05
297	263	-1.00	7.72e-03	-0.06	0.0	-5.98e-04	3.73e-04
297	274	-2.30e-03	0.11	-0.06	0.0	-2.37e-06	0.0
297	276	-3.04e-03	0.11	-0.08	0.0	-3.52e-06	-1.62e-06
297	305	-0.20	-6.27e-04	-0.05	0.0	-1.22e-04	7.26e-05
297	306	-1.94e-03	0.02	-0.04	0.0	-2.41e-06	-1.30e-06
297	307	-2.58e-03	0.02	-0.06	0.0	-3.40e-06	-2.34e-06
297	310	-2.47e-03	-2.79e-03	-0.05	0.0	-3.41e-06	-2.62e-06
298	43	-1.88	0.03	-0.13	0.0	-3.90e-04	6.82e-04
298	52	-7.52e-03	0.15	-0.18	0.0	-6.80e-06	-4.67e-06
298	68	-6.92e-03	0.25	-0.17	0.0	-5.59e-06	-2.80e-06
298	116	-2.45	-1.23	0.15	0.0	-1.56e-03	6.24e-05
298	129	1.31	2.36	-0.51	0.0	8.45e-04	4.46e-05
298	148	-2.75	-1.40	0.18	0.0	-1.75e-03	7.00e-05
298	161	1.48	2.68	-0.57	0.0	9.54e-04	5.12e-05
298	180	-2.72	-1.45	0.19	0.0	-1.73e-03	6.62e-05
298	193	1.49	2.78	-0.59	0.0	9.61e-04	5.45e-05
298	212	-3.18	-1.74	0.24	0.0	-2.03e-03	7.66e-05
298	225	1.76	3.35	-0.70	0.0	1.14e-03	6.70e-05

298	263	-1.25	0.02	-0.09	0.0	-2.60e-04	4.55e-04
298	268	-5.18e-03	0.10	-0.12	0.0	-4.71e-06	-3.25e-06
298	276	-4.78e-03	0.17	-0.12	0.0	-3.90e-06	-2.00e-06
298	305	-0.25	5.25e-03	-0.08	0.0	-5.53e-05	8.85e-05
298	307	-4.30e-03	0.03	-0.09	0.0	-3.99e-06	-2.78e-06
298	310	-4.22e-03	1.54e-03	-0.08	0.0	-4.08e-06	-3.10e-06
299	4	0.22	0.01	-0.11	0.0	6.34e-06	-2.72e-04
299	44	-0.83	0.06	-0.08	0.0	-4.10e-05	8.69e-04
299	68	-0.01	0.35	-0.08	0.0	-5.17e-06	-4.57e-06
299	116	-3.13	-1.67	0.03	0.0	-1.60e-03	8.19e-05
299	118	2.66	-0.07	-0.17	0.0	1.38e-03	-1.40e-04
299	129	1.80	3.23	-0.06	0.0	9.08e-04	5.89e-05
299	148	-3.52	-1.89	0.04	0.0	-1.80e-03	9.19e-05
299	150	2.99	-0.08	-0.18	0.0	1.55e-03	-1.57e-04
299	161	2.04	3.66	-0.06	0.0	1.02e-03	6.75e-05
299	180	-3.48	-1.96	0.04	0.0	-1.78e-03	8.70e-05
299	182	2.94	-0.08	-0.18	0.0	1.53e-03	-1.53e-04
299	193	2.06	3.80	-0.05	0.0	1.03e-03	7.19e-05
299	212	-4.08	-2.35	0.05	0.0	-2.09e-03	1.01e-04
299	214	3.43	-0.09	-0.20	0.0	1.78e-03	-1.78e-04
299	225	2.45	4.58	-0.05	0.0	1.23e-03	8.86e-05
299	244	0.15	7.93e-03	-0.08	0.0	4.14e-06	-1.81e-04
299	264	-0.55	0.04	-0.06	0.0	-2.74e-05	5.79e-04
299	276	-0.01	0.23	-0.06	0.0	-3.53e-06	-3.23e-06
299	298	-0.01	0.01	-0.06	0.0	-2.85e-06	-4.69e-06
299	305	-0.12	0.02	-0.06	0.0	-7.63e-06	1.12e-04
299	307	-0.01	0.06	-0.06	0.0	-2.85e-06	-4.02e-06
299	310	-0.01	0.01	-0.06	0.0	-2.71e-06	-4.39e-06
300	4	0.21	0.04	-0.14	0.0	-4.08e-05	-2.17e-04
300	44	-0.79	0.10	-0.11	0.0	1.29e-04	6.93e-04
300	68	-0.02	0.46	-0.11	0.0	-3.40e-06	-5.10e-06
300	116	-3.94	-2.10	0.03	0.0	-1.61e-03	3.59e-05
300	118	3.36	-0.09	-0.21	0.0	1.39e-03	-9.85e-05
300	129	2.26	4.13	-0.07	0.0	9.07e-04	8.98e-05
300	148	-4.43	-2.39	0.04	0.0	-1.81e-03	4.01e-05
300	150	3.77	-0.10	-0.23	0.0	1.57e-03	-1.10e-04
300	161	2.55	4.68	-0.07	0.0	1.02e-03	1.02e-04
300	180	-4.38	-2.47	0.04	0.0	-1.79e-03	3.53e-05
300	182	3.71	-0.10	-0.23	0.0	1.54e-03	-1.07e-04
300	193	2.58	4.85	-0.07	0.0	1.03e-03	1.07e-04
300	212	-5.13	-2.98	0.06	0.0	-2.10e-03	3.99e-05
300	214	4.33	-0.11	-0.25	0.0	1.80e-03	-1.24e-04
300	225	3.06	5.84	-0.07	0.0	1.22e-03	1.31e-04
300	244	0.14	0.03	-0.10	0.0	-2.72e-05	-1.45e-04
300	264	-0.53	0.07	-0.08	0.0	8.61e-05	4.62e-04
300	276	-0.01	0.31	-0.08	0.0	-2.28e-06	-3.54e-06
300	298	-0.01	0.03	-0.08	0.0	-1.12e-06	-3.99e-06
300	305	-0.12	0.04	-0.08	0.0	1.63e-05	8.95e-05
300	307	-0.01	0.08	-0.08	0.0	-1.35e-06	-3.57e-06
300	310	-0.01	0.03	-0.08	0.0	-1.10e-06	-3.73e-06
301	44	-1.25	0.06	-0.11	0.0	3.69e-05	7.38e-04
301	52	-0.02	0.22	-0.14	0.0	-5.94e-06	-5.59e-06
301	68	-0.01	0.35	-0.12	0.0	-5.16e-06	-3.55e-06
301	116	-3.17	-1.67	0.02	0.0	-1.57e-03	6.39e-05
301	129	1.78	3.23	-0.18	0.0	8.78e-04	6.42e-05
301	148	-3.56	-1.89	0.03	0.0	-1.76e-03	7.17e-05
301	161	2.01	3.66	-0.20	0.0	9.90e-04	7.34e-05
301	180	-3.52	-1.96	0.03	0.0	-1.74e-03	6.71e-05
301	193	2.03	3.80	-0.20	0.0	9.99e-04	7.76e-05
301	212	-4.12	-2.35	0.05	0.0	-2.04e-03	7.73e-05
301	225	2.41	4.58	-0.23	0.0	1.19e-03	9.51e-05
301	264	-0.83	0.04	-0.08	0.0	2.45e-05	4.92e-04
301	268	-0.01	0.15	-0.10	0.0	-4.09e-06	-3.88e-06
301	276	-8.88e-03	0.23	-0.08	0.0	-3.57e-06	-2.52e-06
301	298	-9.99e-03	0.01	-0.08	0.0	-3.56e-06	-3.79e-06
301	305	-0.17	0.02	-0.07	0.0	2.22e-06	9.56e-05
301	307	-9.20e-03	0.06	-0.07	0.0	-3.39e-06	-3.23e-06
301	310	-9.48e-03	0.01	-0.07	0.0	-3.39e-06	-3.55e-06
302	44	-1.13	0.10	-0.15	0.0	3.35e-04	5.84e-04
302	52	-0.02	0.30	-0.18	0.0	-4.93e-06	-4.19e-06
302	68	-0.02	0.45	-0.16	0.0	-4.49e-06	-2.99e-06
302	116	-3.95	-2.11	0.02	0.0	-1.56e-03	2.66e-05
302	129	2.22	4.13	-0.24	0.0	8.71e-04	9.36e-05
302	148	-4.44	-2.39	0.03	0.0	-1.75e-03	2.95e-05
302	161	2.50	4.68	-0.26	0.0	9.82e-04	1.06e-04

302	180	-4.39	-2.47	0.03	0.0	-1.73e-03	2.49e-05
302	193	2.53	4.86	-0.26	0.0	9.91e-04	1.11e-04
302	212	-5.14	-2.98	0.06	0.0	-2.02e-03	2.76e-05
302	225	3.00	5.85	-0.29	0.0	1.18e-03	1.35e-04
302	264	-0.75	0.07	-0.11	0.0	2.23e-04	3.90e-04
302	268	-0.01	0.20	-0.13	0.0	-3.39e-06	-2.88e-06
302	276	-0.01	0.30	-0.11	0.0	-3.09e-06	-2.08e-06
302	298	-0.01	0.03	-0.10	0.0	-2.88e-06	-2.56e-06
302	305	-0.16	0.03	-0.10	0.0	4.25e-05	7.61e-05
302	307	-0.01	0.08	-0.10	0.0	-2.80e-06	-2.25e-06
302	310	-0.01	0.03	-0.10	0.0	-2.76e-06	-2.39e-06
303	44	-1.60	0.06	-0.13	0.0	1.03e-04	6.60e-04
303	52	-0.01	0.22	-0.16	0.0	-7.00e-06	-4.51e-06
303	68	-0.01	0.35	-0.15	0.0	-5.72e-06	-2.81e-06
303	116	-3.19	-1.67	0.03	0.0	-1.53e-03	5.14e-05
303	129	1.76	3.24	-0.27	0.0	8.48e-04	6.77e-05
303	148	-3.59	-1.89	0.04	0.0	-1.72e-03	5.76e-05
303	161	1.98	3.66	-0.30	0.0	9.57e-04	7.73e-05
303	180	-3.55	-1.96	0.05	0.0	-1.70e-03	5.33e-05
303	193	2.00	3.80	-0.31	0.0	9.65e-04	8.14e-05
303	212	-4.15	-2.36	0.07	0.0	-1.99e-03	6.11e-05
303	225	2.37	4.58	-0.35	0.0	1.14e-03	9.93e-05
303	264	-1.07	0.04	-0.09	0.0	6.85e-05	4.40e-04
303	268	-9.23e-03	0.15	-0.11	0.0	-4.84e-06	-3.13e-06
303	276	-7.76e-03	0.23	-0.10	0.0	-3.98e-06	-1.99e-06
303	298	-8.27e-03	0.01	-0.09	0.0	-4.40e-06	-3.09e-06
303	305	-0.22	0.02	-0.08	0.0	1.04e-05	8.57e-05
303	307	-7.74e-03	0.05	-0.08	0.0	-4.08e-06	-2.62e-06
303	310	-7.87e-03	0.01	-0.08	0.0	-4.18e-06	-2.89e-06
304	44	-1.40	0.10	-0.17	0.0	5.09e-04	5.22e-04
304	52	-0.02	0.30	-0.21	0.0	-7.23e-06	-2.71e-06
304	68	-0.01	0.45	-0.19	0.0	-5.89e-06	-1.77e-06
304	116	-3.95	-2.11	0.03	0.0	-1.50e-03	2.00e-05
304	129	2.18	4.13	-0.35	0.0	8.33e-04	9.65e-05
304	148	-4.44	-2.39	0.05	0.0	-1.69e-03	2.20e-05
304	161	2.45	4.68	-0.39	0.0	9.40e-04	1.10e-04
304	180	-4.39	-2.48	0.06	0.0	-1.67e-03	1.76e-05
304	193	2.47	4.86	-0.40	0.0	9.49e-04	1.14e-04
304	212	-5.14	-2.98	0.09	0.0	-1.96e-03	1.91e-05
304	225	2.93	5.85	-0.46	0.0	1.13e-03	1.38e-04
304	264	-0.94	0.07	-0.12	0.0	3.39e-04	3.48e-04
304	268	-0.01	0.20	-0.15	0.0	-5.00e-06	-1.86e-06
304	276	-9.77e-03	0.30	-0.13	0.0	-4.10e-06	-1.23e-06
304	298	-0.01	0.03	-0.11	0.0	-4.55e-06	-1.74e-06
304	305	-0.20	0.03	-0.11	0.0	6.44e-05	6.83e-05
304	307	-9.82e-03	0.08	-0.11	0.0	-4.21e-06	-1.48e-06
304	310	-0.01	0.03	-0.11	0.0	-4.32e-06	-1.62e-06
305	44	-1.93	0.06	-0.18	0.0	1.55e-04	6.75e-04
305	52	-0.01	0.22	-0.24	0.0	-7.98e-06	-4.24e-06
305	68	-9.82e-03	0.35	-0.23	0.0	-6.33e-06	-2.62e-06
305	116	-3.22	-1.67	0.15	0.0	-1.51e-03	4.75e-05
305	129	1.73	3.24	-0.62	0.0	8.23e-04	6.88e-05
305	148	-3.61	-1.89	0.19	0.0	-1.69e-03	5.32e-05
305	161	1.95	3.66	-0.68	0.0	9.28e-04	7.84e-05
305	180	-3.57	-1.96	0.20	0.0	-1.67e-03	4.89e-05
305	193	1.96	3.80	-0.71	0.0	9.36e-04	8.25e-05
305	212	-4.18	-2.36	0.26	0.0	-1.96e-03	5.61e-05
305	225	2.33	4.58	-0.83	0.0	1.11e-03	1.01e-04
305	264	-1.29	0.04	-0.13	0.0	1.03e-04	4.50e-04
305	268	-7.72e-03	0.15	-0.16	0.0	-5.53e-06	-2.94e-06
305	276	-6.81e-03	0.23	-0.16	0.0	-4.43e-06	-1.86e-06
305	298	-6.78e-03	0.01	-0.12	0.0	-5.11e-06	-2.91e-06
305	305	-0.26	0.02	-0.11	0.0	1.69e-05	8.78e-05
305	307	-6.48e-03	0.05	-0.12	0.0	-4.69e-06	-2.46e-06
305	310	-6.47e-03	0.01	-0.11	0.0	-4.86e-06	-2.72e-06
306	44	-1.67	0.10	-0.24	0.0	6.46e-04	5.39e-04
306	52	-0.02	0.29	-0.31	0.0	-9.23e-06	-2.40e-06
306	68	-0.01	0.45	-0.29	0.0	-7.21e-06	-1.51e-06
306	116	-3.95	-2.11	0.13	0.0	-1.46e-03	1.79e-05
306	129	2.13	4.13	-0.69	0.0	8.01e-04	9.74e-05
306	148	-4.44	-2.39	0.17	0.0	-1.64e-03	1.97e-05
306	161	2.40	4.68	-0.76	0.0	9.04e-04	1.11e-04
306	180	-4.39	-2.48	0.18	0.0	-1.62e-03	1.53e-05
306	193	2.42	4.86	-0.79	0.0	9.12e-04	1.15e-04
306	212	-5.13	-2.98	0.25	0.0	-1.90e-03	1.64e-05

306	225	2.87	5.85	-0.92	0.0	1.08e-03	1.39e-04
306	264	-1.11	0.06	-0.17	0.0	4.31e-04	3.59e-04
306	268	-0.01	0.20	-0.22	0.0	-6.39e-06	-1.64e-06
306	276	-9.25e-03	0.30	-0.20	0.0	-5.05e-06	-1.05e-06
306	298	-9.73e-03	0.03	-0.16	0.0	-5.92e-06	-1.56e-06
306	305	-0.23	0.03	-0.15	0.0	8.18e-05	7.08e-05
306	307	-9.16e-03	0.08	-0.16	0.0	-5.40e-06	-1.32e-06
306	310	-9.27e-03	0.02	-0.15	0.0	-5.61e-06	-1.45e-06
307	4	0.18	0.07	-0.19	0.0	-7.39e-05	-1.31e-04
307	44	-0.68	0.15	-0.15	0.0	2.49e-04	4.19e-04
307	68	-0.02	0.56	-0.15	0.0	-1.86e-06	-4.16e-06
307	116	-4.66	-2.49	0.02	0.0	-1.61e-03	6.49e-06
307	118	3.99	-0.09	-0.26	0.0	1.40e-03	-6.92e-05
307	129	2.67	4.96	-0.10	0.0	9.05e-04	1.14e-04
307	148	-5.24	-2.83	0.04	0.0	-1.81e-03	6.88e-06
307	150	4.48	-0.11	-0.28	0.0	1.57e-03	-7.72e-05
307	161	3.01	5.61	-0.10	0.0	1.02e-03	1.29e-04
307	180	-5.19	-2.93	0.03	0.0	-1.79e-03	2.40e-06
307	182	4.40	-0.11	-0.28	0.0	1.55e-03	-7.41e-05
307	193	3.04	5.82	-0.10	0.0	1.03e-03	1.34e-04
307	212	-6.07	-3.53	0.05	0.0	-2.10e-03	1.47e-06
307	214	5.14	-0.13	-0.31	0.0	1.80e-03	-8.64e-05
307	225	3.61	7.00	-0.09	0.0	1.22e-03	1.62e-04
307	244	0.12	0.05	-0.14	0.0	-4.92e-05	-8.73e-05
307	264	-0.46	0.10	-0.11	0.0	1.66e-04	2.79e-04
307	276	-0.01	0.38	-0.11	0.0	-1.19e-06	-2.84e-06
307	298	-0.01	0.05	-0.11	0.0	0.0	-2.19e-06
307	305	-0.10	0.06	-0.10	0.0	3.33e-05	5.43e-05
307	307	-0.01	0.11	-0.10	0.0	0.0	-2.13e-06
307	310	-0.01	0.05	-0.10	0.0	0.0	-2.03e-06
308	4	0.12	0.12	-0.28	0.0	1.49e-04	-3.80e-05
308	44	-0.49	0.21	-0.22	0.0	-6.70e-04	1.69e-04
308	68	-0.02	0.67	-0.23	0.0	-3.10e-05	5.23e-06
308	116	-5.39	-2.87	-0.01	0.0	-1.22e-03	1.66e-05
308	118	4.62	-0.10	-0.34	0.0	1.00e-03	-6.05e-05
308	129	3.07	5.78	-0.15	0.0	6.64e-04	1.20e-04
308	148	-6.05	-3.26	6.95e-03	0.0	-1.37e-03	1.72e-05
308	150	5.19	-0.12	-0.36	0.0	1.13e-03	-6.82e-05
308	161	3.47	6.54	-0.14	0.0	7.52e-04	1.35e-04
308	180	-5.99	-3.38	3.13e-03	0.0	-1.35e-03	1.27e-05
308	182	5.10	-0.12	-0.36	0.0	1.11e-03	-6.45e-05
308	193	3.50	6.78	-0.14	0.0	7.59e-04	1.39e-04
308	212	-7.01	-4.08	0.03	0.0	-1.58e-03	1.22e-05
308	214	5.95	-0.14	-0.39	0.0	1.30e-03	-7.62e-05
308	225	4.15	8.15	-0.14	0.0	9.05e-04	1.67e-04
308	244	0.08	0.09	-0.20	0.0	9.85e-05	-2.50e-05
308	264	-0.33	0.14	-0.16	0.0	-4.48e-04	1.13e-04
308	276	-0.01	0.45	-0.16	0.0	-2.18e-05	3.80e-06
308	298	-0.01	0.08	-0.16	0.0	-2.41e-05	5.87e-06
308	305	-0.07	0.09	-0.15	0.0	-1.07e-04	2.70e-05
308	307	-0.01	0.15	-0.15	0.0	-2.23e-05	5.10e-06
308	310	-0.01	0.08	-0.15	0.0	-2.29e-05	5.57e-06
309	44	-0.88	0.15	-0.20	0.0	5.40e-04	3.51e-04
309	52	-0.02	0.38	-0.25	0.0	-4.30e-06	-1.50e-06
309	68	-0.02	0.56	-0.22	0.0	-4.04e-06	-1.42e-06
309	116	-4.64	-2.50	3.35e-03	0.0	-1.55e-03	8.52e-06
309	129	2.61	4.96	-0.30	0.0	8.66e-04	1.16e-04
309	148	-5.22	-2.83	0.02	0.0	-1.74e-03	9.02e-06
309	161	2.94	5.61	-0.32	0.0	9.77e-04	1.32e-04
309	180	-5.16	-2.93	0.02	0.0	-1.72e-03	4.92e-06
309	193	2.97	5.82	-0.33	0.0	9.86e-04	1.37e-04
309	212	-6.04	-3.54	0.05	0.0	-2.01e-03	4.32e-06
309	225	3.52	7.00	-0.36	0.0	1.17e-03	1.65e-04
309	264	-0.59	0.10	-0.14	0.0	3.60e-04	2.34e-04
309	268	-0.01	0.26	-0.17	0.0	-2.94e-06	0.0
309	276	-0.01	0.37	-0.15	0.0	-2.77e-06	0.0
309	298	-0.01	0.05	-0.14	0.0	-2.48e-06	0.0
309	305	-0.13	0.06	-0.13	0.0	7.01e-05	4.64e-05
309	307	-0.01	0.11	-0.13	0.0	-2.45e-06	0.0
309	310	-0.01	0.05	-0.13	0.0	-2.38e-06	0.0
310	44	-0.50	0.21	-0.30	0.0	-1.11e-03	1.20e-04
310	52	-0.02	0.48	-0.37	0.0	-5.33e-05	7.98e-06
310	68	-0.02	0.68	-0.32	0.0	-4.37e-05	5.63e-06
310	116	-5.34	-2.88	-0.04	0.0	-1.54e-03	2.51e-05
310	129	3.00	5.79	-0.39	0.0	8.24e-04	1.27e-04

310	148	-6.00	-3.27	-0.02	0.0	-1.73e-03	2.70e-05
310	161	3.38	6.55	-0.41	0.0	9.33e-04	1.43e-04
310	180	-5.93	-3.38	-0.02	0.0	-1.71e-03	2.32e-05
310	193	3.41	6.79	-0.42	0.0	9.42e-04	1.47e-04
310	212	-6.95	-4.08	0.02	0.0	-2.00e-03	2.48e-05
310	225	4.05	8.17	-0.46	0.0	1.12e-03	1.77e-04
310	264	-0.33	0.14	-0.21	0.0	-7.41e-04	8.05e-05
310	268	-0.02	0.32	-0.26	0.0	-3.71e-05	5.61e-06
310	276	-0.01	0.45	-0.23	0.0	-3.06e-05	4.04e-06
310	298	-0.01	0.08	-0.21	0.0	-3.30e-05	5.47e-06
310	305	-0.08	0.09	-0.20	0.0	-1.73e-04	2.01e-05
310	307	-0.01	0.15	-0.20	0.0	-3.06e-05	4.84e-06
310	310	-0.01	0.08	-0.20	0.0	-3.13e-05	5.18e-06
311	44	-1.04	0.14	-0.22	0.0	7.82e-04	3.12e-04
311	52	-0.02	0.38	-0.28	0.0	-7.45e-06	0.0
311	68	-0.02	0.55	-0.25	0.0	-6.06e-06	0.0
311	116	-4.62	-2.50	0.03	0.0	-1.48e-03	1.24e-05
311	129	2.55	4.96	-0.44	0.0	8.24e-04	1.18e-04
311	148	-5.19	-2.84	0.05	0.0	-1.67e-03	1.34e-05
311	161	2.87	5.61	-0.48	0.0	9.29e-04	1.34e-04
311	180	-5.13	-2.94	0.06	0.0	-1.65e-03	9.64e-06
311	193	2.90	5.82	-0.49	0.0	9.38e-04	1.39e-04
311	212	-6.01	-3.54	0.10	0.0	-1.93e-03	9.86e-06
311	225	3.43	7.01	-0.57	0.0	1.11e-03	1.67e-04
311	264	-0.70	0.10	-0.16	0.0	5.21e-04	2.08e-04
311	268	-0.01	0.25	-0.19	0.0	-5.15e-06	0.0
311	276	-0.01	0.37	-0.17	0.0	-4.22e-06	0.0
311	298	-0.01	0.05	-0.15	0.0	-4.68e-06	0.0
311	305	-0.15	0.05	-0.14	0.0	1.01e-04	4.17e-05
311	307	-0.01	0.11	-0.15	0.0	-4.33e-06	0.0
311	310	-0.01	0.05	-0.14	0.0	-4.45e-06	0.0
312	44	-0.50	0.21	-0.33	0.0	-1.40e-03	-6.64e-05
312	52	-0.02	0.49	-0.41	0.0	-6.40e-05	6.01e-06
312	68	-0.02	0.68	-0.36	0.0	-5.24e-05	4.22e-06
312	116	-5.28	-2.88	-3.39e-03	0.0	-1.75e-03	-1.28e-04
312	129	2.91	5.80	-0.57	0.0	9.21e-04	1.80e-04
312	148	-5.93	-3.27	0.02	0.0	-1.96e-03	-1.44e-04
312	161	3.29	6.56	-0.62	0.0	1.04e-03	2.03e-04
312	180	-5.87	-3.39	0.03	0.0	-1.94e-03	-1.43e-04
312	193	3.31	6.81	-0.63	0.0	1.05e-03	2.07e-04
312	212	-6.86	-4.09	0.08	0.0	-2.27e-03	-1.70e-04
312	225	3.93	8.19	-0.72	0.0	1.25e-03	2.47e-04
312	264	-0.34	0.14	-0.23	0.0	-9.36e-04	-4.40e-05
312	268	-0.02	0.33	-0.28	0.0	-4.45e-05	4.23e-06
312	276	-0.01	0.46	-0.25	0.0	-3.68e-05	3.04e-06
312	298	-0.01	0.09	-0.22	0.0	-3.94e-05	4.13e-06
312	305	-0.08	0.09	-0.21	0.0	-2.16e-04	-5.77e-06
312	307	-0.01	0.15	-0.21	0.0	-3.65e-05	3.64e-06
312	310	-0.01	0.08	-0.21	0.0	-3.74e-05	3.91e-06
313	44	-1.20	0.14	-0.33	0.0	9.74e-04	3.24e-04
313	52	-0.02	0.37	-0.41	0.0	-1.02e-05	0.0
313	68	-0.02	0.55	-0.37	0.0	-7.96e-06	0.0
313	116	-4.59	-2.50	0.08	0.0	-1.43e-03	1.41e-05
313	129	2.48	4.96	-0.74	0.0	7.86e-04	1.19e-04
313	148	-5.16	-2.84	0.11	0.0	-1.60e-03	1.53e-05
313	161	2.80	5.61	-0.82	0.0	8.87e-04	1.34e-04
313	180	-5.10	-2.94	0.13	0.0	-1.59e-03	1.17e-05
313	193	2.82	5.82	-0.84	0.0	8.95e-04	1.39e-04
313	212	-5.96	-3.55	0.19	0.0	-1.85e-03	1.23e-05
313	225	3.34	7.01	-0.97	0.0	1.06e-03	1.68e-04
313	264	-0.80	0.09	-0.23	0.0	6.49e-04	2.16e-04
313	268	-0.01	0.25	-0.28	0.0	-7.07e-06	0.0
313	276	-0.01	0.37	-0.26	0.0	-5.58e-06	0.0
313	298	-0.01	0.05	-0.22	0.0	-6.50e-06	0.0
313	305	-0.17	0.05	-0.21	0.0	1.25e-04	4.34e-05
313	307	-0.01	0.11	-0.21	0.0	-5.93e-06	0.0
313	310	-0.01	0.04	-0.21	0.0	-6.16e-06	0.0
314	44	-0.51	0.21	-0.47	0.0	-1.38e-03	1.12e-05
314	52	-0.03	0.49	-0.59	0.0	-6.76e-05	4.81e-06
314	68	-0.02	0.68	-0.52	0.0	-5.55e-05	3.66e-06
314	116	-5.21	-2.89	-0.04	0.0	-1.85e-03	-1.46e-04
314	129	2.83	5.82	-0.80	0.0	9.56e-04	1.89e-04
314	148	-5.85	-3.28	-2.02e-03	0.0	-2.07e-03	-1.65e-04
314	161	3.19	6.58	-0.87	0.0	1.08e-03	2.13e-04
314	180	-5.79	-3.40	8.66e-03	0.0	-2.05e-03	-1.64e-04

314	193	3.21	6.83	-0.89	0.0	1.09e-03	2.17e-04
314	212	-6.77	-4.10	0.07	0.0	-2.39e-03	-1.94e-04
314	225	3.81	8.21	-1.01	0.0	1.30e-03	2.59e-04
314	264	-0.34	0.15	-0.33	0.0	-9.21e-04	7.62e-06
314	268	-0.02	0.33	-0.41	0.0	-4.70e-05	3.38e-06
314	276	-0.01	0.46	-0.36	0.0	-3.89e-05	2.61e-06
314	298	-0.02	0.09	-0.32	0.0	-4.13e-05	3.08e-06
314	305	-0.08	0.09	-0.30	0.0	-2.15e-04	3.78e-06
314	307	-0.02	0.16	-0.31	0.0	-3.84e-05	2.78e-06
314	310	-0.02	0.08	-0.30	0.0	-3.92e-05	2.91e-06
315	1	0.0	0.0	0.0	0.0	3.88e-05	0.0
315	113	0.0	0.0	0.0	0.0	1.50e-03	2.56e-06
315	145	0.0	0.0	0.0	0.0	1.69e-03	2.87e-06
315	177	0.0	0.0	0.0	0.0	1.67e-03	2.86e-06
315	209	0.0	0.0	0.0	0.0	1.95e-03	3.36e-06
315	241	0.0	0.0	0.0	0.0	2.55e-05	0.0
315	297	0.0	0.0	0.0	0.0	-4.20e-06	0.0
315	309	0.0	0.0	0.0	0.0	-4.20e-06	0.0
316	44	-0.08	0.02	-0.08	0.0	-1.59e-04	2.61e-06
316	68	-4.19e-03	0.06	-0.07	0.0	-8.61e-06	0.0
316	76	-5.70e-03	-3.61e-03	-0.10	0.0	-1.16e-05	0.0
316	116	-0.76	-0.27	-0.13	0.0	-1.51e-03	-2.28e-05
316	129	0.39	0.54	0.10	0.0	7.65e-04	2.85e-05
316	132	-0.39	-0.53	-0.21	0.0	-7.77e-04	-2.74e-05
316	148	-0.86	-0.31	-0.14	0.0	-1.70e-03	-2.58e-05
316	161	0.44	0.61	0.12	0.0	8.62e-04	3.21e-05
316	164	-0.44	-0.60	-0.23	0.0	-8.75e-04	-3.10e-05
316	180	-0.85	-0.32	-0.15	0.0	-1.68e-03	-2.56e-05
316	193	0.44	0.63	0.13	0.0	8.65e-04	3.27e-05
316	196	-0.44	-0.62	-0.23	0.0	-8.78e-04	-3.16e-05
316	212	-0.99	-0.38	-0.17	0.0	-1.96e-03	-3.04e-05
316	225	0.52	0.76	0.16	0.0	1.02e-03	3.90e-05
316	228	-0.52	-0.75	-0.27	0.0	-1.04e-03	-3.79e-05
316	264	-0.05	0.01	-0.06	0.0	-1.06e-04	1.77e-06
316	276	-2.93e-03	0.04	-0.05	0.0	-6.03e-06	0.0
316	280	-3.94e-03	-2.16e-03	-0.07	0.0	-8.06e-06	0.0
316	298	-3.23e-03	6.25e-03	-0.06	0.0	-6.60e-06	0.0
316	305	-0.01	6.83e-03	-0.05	0.0	-2.61e-05	0.0
316	307	-2.98e-03	0.01	-0.05	0.0	-6.10e-06	0.0
316	310	-3.06e-03	5.83e-03	-0.05	0.0	-6.26e-06	0.0
317	44	-0.08	0.02	-0.09	0.0	-1.59e-04	2.62e-06
317	68	-4.46e-03	0.06	-0.09	0.0	-8.92e-06	0.0
317	76	-5.99e-03	-3.62e-03	-0.10	0.0	-1.20e-05	0.0
317	116	-0.76	-0.27	-0.05	0.0	-1.50e-03	-2.28e-05
317	129	0.38	0.54	-0.05	0.0	7.54e-04	2.85e-05
317	138	0.10	-0.43	-0.06	0.0	2.04e-04	-4.53e-06
317	148	-0.85	-0.31	-0.05	0.0	-1.69e-03	-2.58e-05
317	161	0.43	0.61	-0.05	0.0	8.51e-04	3.21e-05
317	170	0.12	-0.49	-0.06	0.0	2.29e-04	-5.21e-06
317	180	-0.84	-0.32	-0.05	0.0	-1.67e-03	-2.56e-05
317	193	0.43	0.63	-0.05	0.0	8.53e-04	3.27e-05
317	202	0.11	-0.50	-0.06	0.0	2.18e-04	-5.29e-06
317	212	-0.98	-0.38	-0.05	0.0	-1.95e-03	-3.04e-05
317	225	0.51	0.76	-0.05	0.0	1.01e-03	3.90e-05
317	234	0.13	-0.60	-0.06	0.0	2.52e-04	-6.38e-06
317	264	-0.05	0.01	-0.06	0.0	-1.07e-04	1.77e-06
317	276	-3.12e-03	0.04	-0.06	0.0	-6.24e-06	0.0
317	280	-4.14e-03	-2.17e-03	-0.07	0.0	-8.28e-06	0.0
317	298	-3.39e-03	6.25e-03	-0.06	0.0	-6.79e-06	0.0
317	305	-0.01	6.83e-03	-0.06	0.0	-2.63e-05	0.0
317	307	-3.14e-03	0.01	-0.06	0.0	-6.28e-06	0.0
317	310	-3.22e-03	5.83e-03	-0.06	0.0	-6.43e-06	0.0
318	1	0.0	0.0	0.0	0.0	3.88e-05	0.0
318	113	0.0	0.0	0.0	0.0	1.49e-03	2.57e-06
318	145	0.0	0.0	0.0	0.0	1.68e-03	2.88e-06
318	177	0.0	0.0	0.0	0.0	1.66e-03	2.87e-06
318	209	0.0	0.0	0.0	0.0	1.94e-03	3.37e-06
318	241	0.0	0.0	0.0	0.0	2.56e-05	0.0
318	297	0.0	0.0	0.0	0.0	-4.32e-06	0.0
318	309	0.0	0.0	0.0	0.0	-4.32e-06	0.0
319	44	-0.16	0.04	-0.17	0.0	-1.59e-04	5.06e-06
319	68	-8.38e-03	0.15	-0.14	0.0	-8.61e-06	1.79e-06
319	76	-0.01	-7.30e-03	-0.21	0.0	-1.17e-05	1.87e-06
319	116	-1.52	-0.65	-0.24	0.0	-1.50e-03	-4.62e-05
319	129	0.77	1.30	0.16	0.0	7.58e-04	5.75e-05

319	132	-0.78	-1.27	-0.37	0.0	-7.70e-04	-5.55e-05
319	148	-1.71	-0.74	-0.26	0.0	-1.68e-03	-5.21e-05
319	161	0.87	1.47	0.19	0.0	8.55e-04	6.48e-05
319	164	-0.88	-1.44	-0.41	0.0	-8.67e-04	-6.28e-05
319	180	-1.69	-0.76	-0.27	0.0	-1.66e-03	-5.18e-05
319	193	0.87	1.52	0.21	0.0	8.58e-04	6.60e-05
319	196	-0.89	-1.49	-0.42	0.0	-8.70e-04	-6.40e-05
319	212	-1.97	-0.92	-0.30	0.0	-1.94e-03	-6.14e-05
319	225	1.03	1.83	0.27	0.0	1.01e-03	7.87e-05
319	228	-1.05	-1.80	-0.48	0.0	-1.03e-03	-7.67e-05
319	264	-0.11	0.03	-0.12	0.0	-1.06e-04	3.43e-06
319	276	-5.87e-03	0.10	-0.10	0.0	-6.03e-06	1.24e-06
319	280	-7.89e-03	-4.23e-03	-0.14	0.0	-8.06e-06	1.30e-06
319	298	-6.46e-03	0.02	-0.11	0.0	-6.60e-06	1.08e-06
319	305	-0.03	0.02	-0.11	0.0	-2.61e-05	1.47e-06
319	307	-5.97e-03	0.03	-0.10	0.0	-6.11e-06	1.03e-06
319	310	-6.13e-03	0.02	-0.11	0.0	-6.26e-06	1.01e-06
320	44	-0.16	0.04	-0.18	0.0	-1.59e-04	5.06e-06
320	68	-8.92e-03	0.15	-0.18	0.0	-8.92e-06	1.79e-06
320	76	-0.01	-7.32e-03	-0.21	0.0	-1.20e-05	1.87e-06
320	116	-1.51	-0.65	-0.11	0.0	-1.49e-03	-4.62e-05
320	129	0.76	1.30	-0.11	0.0	7.48e-04	5.75e-05
320	138	0.20	-1.04	-0.11	0.0	2.02e-04	-9.22e-06
320	148	-1.69	-0.74	-0.11	0.0	-1.67e-03	-5.21e-05
320	161	0.85	1.47	-0.11	0.0	8.43e-04	6.48e-05
320	170	0.23	-1.18	-0.12	0.0	2.26e-04	-1.06e-05
320	180	-1.67	-0.76	-0.11	0.0	-1.65e-03	-5.18e-05
320	193	0.86	1.52	-0.11	0.0	8.46e-04	6.60e-05
320	202	0.22	-1.21	-0.12	0.0	2.16e-04	-1.07e-05
320	212	-1.95	-0.92	-0.11	0.0	-1.93e-03	-6.14e-05
320	225	1.01	1.83	-0.11	0.0	1.00e-03	7.87e-05
320	234	0.25	-1.45	-0.12	0.0	2.49e-04	-1.30e-05
320	264	-0.11	0.03	-0.12	0.0	-1.07e-04	3.43e-06
320	276	-6.24e-03	0.10	-0.12	0.0	-6.24e-06	1.24e-06
320	280	-8.28e-03	-4.24e-03	-0.14	0.0	-8.28e-06	1.30e-06
320	298	-6.79e-03	0.02	-0.12	0.0	-6.79e-06	1.08e-06
320	305	-0.03	0.02	-0.11	0.0	-2.63e-05	1.47e-06
320	307	-6.28e-03	0.03	-0.11	0.0	-6.28e-06	1.04e-06
320	310	-6.43e-03	0.02	-0.11	0.0	-6.43e-06	1.01e-06
321	44	-0.24	0.08	-0.25	0.0	-1.59e-04	7.52e-06
321	68	-0.01	0.25	-0.22	0.0	-8.62e-06	2.66e-06
321	76	-0.02	-0.01	-0.31	0.0	-1.17e-05	2.77e-06
321	116	-2.27	-1.10	-0.34	0.0	-1.47e-03	-6.85e-05
321	129	1.15	2.21	0.17	0.0	7.48e-04	8.53e-05
321	132	-1.17	-2.16	-0.50	0.0	-7.60e-04	-8.23e-05
321	148	-2.55	-1.25	-0.36	0.0	-1.66e-03	-7.72e-05
321	161	1.30	2.50	0.22	0.0	8.43e-04	9.62e-05
321	164	-1.32	-2.45	-0.54	0.0	-8.56e-04	-9.32e-05
321	180	-2.51	-1.30	-0.37	0.0	-1.64e-03	-7.69e-05
321	193	1.30	2.59	0.23	0.0	8.47e-04	9.80e-05
321	196	-1.32	-2.54	-0.56	0.0	-8.59e-04	-9.50e-05
321	212	-2.94	-1.56	-0.41	0.0	-1.91e-03	-9.11e-05
321	225	1.54	3.12	0.31	0.0	1.00e-03	1.17e-04
321	228	-1.56	-3.07	-0.64	0.0	-1.01e-03	-1.14e-04
321	264	-0.16	0.05	-0.18	0.0	-1.06e-04	5.09e-06
321	276	-8.81e-03	0.17	-0.16	0.0	-6.03e-06	1.85e-06
321	280	-0.01	-5.72e-03	-0.22	0.0	-8.06e-06	1.93e-06
321	298	-9.70e-03	0.03	-0.17	0.0	-6.60e-06	1.60e-06
321	305	-0.04	0.03	-0.16	0.0	-2.61e-05	2.19e-06
321	307	-8.96e-03	0.06	-0.16	0.0	-6.11e-06	1.54e-06
321	310	-9.20e-03	0.03	-0.16	0.0	-6.26e-06	1.50e-06
322	44	-0.24	0.08	-0.26	0.0	-1.59e-04	7.52e-06
322	68	-0.01	0.25	-0.26	0.0	-8.92e-06	2.66e-06
322	76	-0.02	-0.01	-0.31	0.0	-1.20e-05	2.77e-06
322	116	-2.25	-1.10	-0.16	0.0	-1.47e-03	-6.85e-05
322	129	1.13	2.21	-0.16	0.0	7.38e-04	8.53e-05
322	138	0.31	-1.77	-0.17	0.0	1.98e-04	-1.37e-05
322	148	-2.53	-1.25	-0.16	0.0	-1.65e-03	-7.72e-05
322	161	1.27	2.50	-0.16	0.0	8.32e-04	9.62e-05
322	170	0.34	-2.01	-0.17	0.0	2.22e-04	-1.57e-05
322	180	-2.49	-1.30	-0.16	0.0	-1.63e-03	-7.69e-05
322	193	1.28	2.59	-0.16	0.0	8.35e-04	9.80e-05
322	202	0.33	-2.07	-0.17	0.0	2.12e-04	-1.60e-05
322	212	-2.91	-1.56	-0.16	0.0	-1.90e-03	-9.11e-05
322	225	1.51	3.12	-0.16	0.0	9.87e-04	1.17e-04

322	234	0.38	-2.46	-0.17	0.0	2.45e-04	-1.93e-05
322	264	-0.16	0.05	-0.19	0.0	-1.07e-04	5.09e-06
322	276	-9.37e-03	0.17	-0.18	0.0	-6.24e-06	1.85e-06
322	280	-0.01	-5.74e-03	-0.21	0.0	-8.28e-06	1.93e-06
322	298	-0.01	0.03	-0.18	0.0	-6.79e-06	1.60e-06
322	305	-0.04	0.03	-0.17	0.0	-2.63e-05	2.19e-06
322	307	-9.42e-03	0.06	-0.17	0.0	-6.28e-06	1.54e-06
322	310	-9.65e-03	0.03	-0.17	0.0	-6.43e-06	1.50e-06
323	44	-0.08	0.02	-0.10	0.0	-1.60e-04	2.61e-06
323	52	-5.79e-03	0.04	-0.12	0.0	-1.13e-05	1.04e-06
323	68	-4.73e-03	0.06	-0.11	0.0	-9.23e-06	0.0
323	116	-0.75	-0.27	0.02	0.0	-1.49e-03	-2.28e-05
323	129	0.37	0.54	-0.21	0.0	7.44e-04	2.85e-05
323	148	-0.84	-0.31	0.03	0.0	-1.68e-03	-2.58e-05
323	161	0.42	0.61	-0.23	0.0	8.39e-04	3.21e-05
323	180	-0.83	-0.32	0.03	0.0	-1.66e-03	-2.56e-05
323	193	0.42	0.63	-0.24	0.0	8.42e-04	3.27e-05
323	212	-0.97	-0.38	0.05	0.0	-1.93e-03	-3.04e-05
323	225	0.50	0.76	-0.27	0.0	9.95e-04	3.90e-05
323	264	-0.05	0.01	-0.07	0.0	-1.07e-04	1.77e-06
323	268	-4.01e-03	0.03	-0.08	0.0	-7.85e-06	0.0
323	276	-3.31e-03	0.04	-0.08	0.0	-6.46e-06	0.0
323	298	-3.56e-03	6.25e-03	-0.06	0.0	-6.97e-06	0.0
323	305	-0.01	6.82e-03	-0.06	0.0	-2.66e-05	0.0
323	307	-3.30e-03	0.01	-0.06	0.0	-6.46e-06	0.0
323	310	-3.37e-03	5.82e-03	-0.06	0.0	-6.61e-06	0.0
324	1	0.0	0.0	0.0	0.0	3.88e-05	0.0
324	113	0.0	0.0	0.0	0.0	1.48e-03	2.56e-06
324	145	0.0	0.0	0.0	0.0	1.67e-03	2.87e-06
324	177	0.0	0.0	0.0	0.0	1.65e-03	2.86e-06
324	209	0.0	0.0	0.0	0.0	1.93e-03	3.36e-06
324	241	0.0	0.0	0.0	0.0	2.56e-05	0.0
324	297	0.0	0.0	0.0	0.0	-4.43e-06	0.0
324	309	0.0	0.0	0.0	0.0	-4.43e-06	0.0
325	44	-0.16	0.04	-0.19	0.0	-1.60e-04	5.06e-06
325	52	-0.01	0.10	-0.23	0.0	-1.13e-05	2.01e-06
325	68	-9.45e-03	0.15	-0.21	0.0	-9.22e-06	1.79e-06
325	116	-1.50	-0.65	0.02	0.0	-1.48e-03	-4.62e-05
325	129	0.74	1.30	-0.38	0.0	7.38e-04	5.75e-05
325	148	-1.68	-0.74	0.04	0.0	-1.66e-03	-5.21e-05
325	161	0.84	1.47	-0.41	0.0	8.32e-04	6.48e-05
325	180	-1.66	-0.76	0.04	0.0	-1.64e-03	-5.18e-05
325	193	0.84	1.52	-0.42	0.0	8.34e-04	6.60e-05
325	212	-1.94	-0.92	0.07	0.0	-1.92e-03	-6.14e-05
325	225	0.99	1.83	-0.49	0.0	9.86e-04	7.87e-05
325	264	-0.11	0.03	-0.13	0.0	-1.07e-04	3.43e-06
325	268	-8.02e-03	0.07	-0.16	0.0	-7.84e-06	1.39e-06
325	276	-6.62e-03	0.10	-0.15	0.0	-6.46e-06	1.24e-06
325	298	-7.11e-03	0.02	-0.12	0.0	-6.97e-06	1.08e-06
325	305	-0.03	0.02	-0.12	0.0	-2.66e-05	1.47e-06
325	307	-6.59e-03	0.03	-0.12	0.0	-6.46e-06	1.03e-06
325	310	-6.74e-03	0.02	-0.12	0.0	-6.61e-06	1.01e-06
326	44	-0.24	0.08	-0.28	0.0	-1.60e-04	7.52e-06
326	52	-0.02	0.18	-0.34	0.0	-1.13e-05	2.99e-06
326	68	-0.01	0.25	-0.31	0.0	-9.22e-06	2.66e-06
326	116	-2.23	-1.10	-2.23e-03	0.0	-1.46e-03	-6.85e-05
326	129	1.11	2.21	-0.50	0.0	7.28e-04	8.53e-05
326	148	-2.51	-1.25	0.02	0.0	-1.64e-03	-7.72e-05
326	161	1.25	2.50	-0.55	0.0	8.21e-04	9.62e-05
326	180	-2.47	-1.30	0.03	0.0	-1.62e-03	-7.69e-05
326	193	1.25	2.59	-0.56	0.0	8.23e-04	9.80e-05
326	212	-2.89	-1.56	0.07	0.0	-1.89e-03	-9.11e-05
326	225	1.48	3.12	-0.64	0.0	9.73e-04	1.17e-04
326	264	-0.16	0.05	-0.20	0.0	-1.07e-04	5.09e-06
326	268	-0.01	0.12	-0.24	0.0	-7.84e-06	2.07e-06
326	276	-9.92e-03	0.17	-0.22	0.0	-6.45e-06	1.85e-06
326	298	-0.01	0.03	-0.18	0.0	-6.97e-06	1.60e-06
326	305	-0.04	0.03	-0.17	0.0	-2.66e-05	2.19e-06
326	307	-9.88e-03	0.06	-0.18	0.0	-6.46e-06	1.54e-06
326	310	-0.01	0.03	-0.17	0.0	-6.60e-06	1.50e-06
327	44	-0.32	0.11	-0.34	0.0	-1.59e-04	9.97e-06
327	68	-0.02	0.37	-0.31	0.0	-8.61e-06	3.52e-06
327	76	-0.02	-0.01	-0.41	0.0	-1.17e-05	3.68e-06
327	116	-3.00	-1.60	-0.41	0.0	-1.45e-03	-9.07e-05
327	129	1.52	3.21	0.15	0.0	7.36e-04	1.13e-04

327	132	-1.55	-3.12	-0.58	0.0	-7.48e-04	-1.09e-04
327	148	-3.37	-1.81	-0.43	0.0	-1.63e-03	-1.02e-04
327	161	1.72	3.63	0.20	0.0	8.30e-04	1.28e-04
327	164	-1.74	-3.54	-0.63	0.0	-8.42e-04	-1.24e-04
327	180	-3.33	-1.88	-0.44	0.0	-1.61e-03	-1.02e-04
327	193	1.73	3.76	0.21	0.0	8.33e-04	1.30e-04
327	196	-1.75	-3.68	-0.65	0.0	-8.46e-04	-1.26e-04
327	212	-3.89	-2.26	-0.48	0.0	-1.88e-03	-1.21e-04
327	225	2.04	4.52	0.30	0.0	9.86e-04	1.55e-04
327	228	-2.07	-4.44	-0.74	0.0	-9.99e-04	-1.51e-04
327	264	-0.21	0.08	-0.24	0.0	-1.06e-04	6.75e-06
327	276	-0.01	0.25	-0.22	0.0	-6.03e-06	2.45e-06
327	280	-0.02	-6.20e-03	-0.29	0.0	-8.06e-06	2.55e-06
327	298	-0.01	0.04	-0.23	0.0	-6.60e-06	2.12e-06
327	305	-0.05	0.05	-0.22	0.0	-2.61e-05	2.90e-06
327	307	-0.01	0.08	-0.21	0.0	-6.11e-06	2.04e-06
327	310	-0.01	0.04	-0.22	0.0	-6.26e-06	2.00e-06
328	44	-0.32	0.11	-0.35	0.0	-1.59e-04	9.97e-06
328	68	-0.02	0.37	-0.35	0.0	-8.92e-06	3.52e-06
328	76	-0.02	-0.01	-0.41	0.0	-1.20e-05	3.68e-06
328	116	-2.98	-1.60	-0.22	0.0	-1.44e-03	-9.07e-05
328	129	1.50	3.21	-0.22	0.0	7.26e-04	1.13e-04
328	138	0.40	-2.57	-0.23	0.0	1.94e-04	-1.82e-05
328	148	-3.34	-1.81	-0.22	0.0	-1.62e-03	-1.02e-04
328	161	1.69	3.63	-0.22	0.0	8.19e-04	1.28e-04
328	170	0.45	-2.91	-0.23	0.0	2.17e-04	-2.09e-05
328	180	-3.30	-1.88	-0.22	0.0	-1.60e-03	-1.02e-04
328	193	1.69	3.76	-0.22	0.0	8.22e-04	1.30e-04
328	202	0.43	-2.99	-0.23	0.0	2.07e-04	-2.13e-05
328	212	-3.86	-2.26	-0.22	0.0	-1.87e-03	-1.21e-04
328	225	2.00	4.52	-0.22	0.0	9.72e-04	1.55e-04
328	234	0.50	-3.57	-0.23	0.0	2.39e-04	-2.57e-05
328	264	-0.21	0.08	-0.25	0.0	-1.07e-04	6.75e-06
328	276	-0.01	0.25	-0.25	0.0	-6.25e-06	2.45e-06
328	280	-0.02	-6.27e-03	-0.29	0.0	-8.28e-06	2.55e-06
328	298	-0.01	0.04	-0.23	0.0	-6.79e-06	2.12e-06
328	305	-0.05	0.05	-0.22	0.0	-2.64e-05	2.90e-06
328	307	-0.01	0.08	-0.22	0.0	-6.28e-06	2.04e-06
328	310	-0.01	0.04	-0.22	0.0	-6.43e-06	2.00e-06
329	44	-0.39	0.15	-0.44	0.0	-1.59e-04	1.24e-05
329	68	-0.02	0.49	-0.40	0.0	-8.60e-06	4.39e-06
329	76	-0.03	-0.01	-0.53	0.0	-1.17e-05	4.58e-06
329	116	-3.72	-2.09	-0.46	0.0	-1.42e-03	-1.13e-04
329	129	1.89	4.21	0.07	0.0	7.24e-04	1.41e-04
329	132	-1.92	-4.10	-0.63	0.0	-7.37e-04	-1.36e-04
329	148	-4.18	-2.38	-0.48	0.0	-1.60e-03	-1.27e-04
329	161	2.13	4.76	0.12	0.0	8.17e-04	1.59e-04
329	164	-2.16	-4.65	-0.68	0.0	-8.30e-04	-1.54e-04
329	180	-4.13	-2.46	-0.49	0.0	-1.58e-03	-1.26e-04
329	193	2.14	4.94	0.14	0.0	8.21e-04	1.62e-04
329	196	-2.17	-4.83	-0.69	0.0	-8.33e-04	-1.57e-04
329	212	-4.82	-2.97	-0.53	0.0	-1.85e-03	-1.50e-04
329	225	2.53	5.94	0.22	0.0	9.71e-04	1.93e-04
329	228	-2.56	-5.83	-0.78	0.0	-9.84e-04	-1.88e-04
329	264	-0.26	0.10	-0.31	0.0	-1.06e-04	8.41e-06
329	276	-0.01	0.33	-0.28	0.0	-6.02e-06	3.05e-06
329	280	-0.02	-5.08e-03	-0.37	0.0	-8.06e-06	3.18e-06
329	298	-0.02	0.06	-0.29	0.0	-6.60e-06	2.64e-06
329	305	-0.06	0.06	-0.28	0.0	-2.61e-05	3.61e-06
329	307	-0.01	0.11	-0.27	0.0	-6.10e-06	2.54e-06
329	310	-0.02	0.06	-0.28	0.0	-6.26e-06	2.49e-06
330	44	-0.40	0.15	-0.44	0.0	-1.59e-04	1.24e-05
330	68	-0.02	0.49	-0.44	0.0	-8.93e-06	4.39e-06
330	76	-0.03	-0.01	-0.52	0.0	-1.20e-05	4.58e-06
330	116	-3.69	-2.09	-0.27	0.0	-1.42e-03	-1.13e-04
330	129	1.86	4.21	-0.27	0.0	7.15e-04	1.41e-04
330	138	0.50	-3.37	-0.29	0.0	1.90e-04	-2.27e-05
330	148	-4.14	-2.38	-0.27	0.0	-1.59e-03	-1.27e-04
330	161	2.09	4.76	-0.27	0.0	8.06e-04	1.59e-04
330	170	0.56	-3.82	-0.29	0.0	2.13e-04	-2.61e-05
330	180	-4.09	-2.46	-0.27	0.0	-1.57e-03	-1.26e-04
330	193	2.10	4.94	-0.27	0.0	8.09e-04	1.62e-04
330	202	0.53	-3.93	-0.29	0.0	2.03e-04	-2.65e-05
330	212	-4.78	-2.97	-0.27	0.0	-1.84e-03	-1.50e-04
330	225	2.48	5.94	-0.27	0.0	9.57e-04	1.93e-04

330	234	0.62	-4.68	-0.29	0.0	2.34e-04	-3.20e-05
330	264	-0.27	0.10	-0.31	0.0	-1.07e-04	8.41e-06
330	276	-0.02	0.33	-0.31	0.0	-6.25e-06	3.05e-06
330	280	-0.02	-5.37e-03	-0.36	0.0	-8.29e-06	3.18e-06
330	298	-0.02	0.06	-0.30	0.0	-6.79e-06	2.64e-06
330	305	-0.07	0.06	-0.28	0.0	-2.64e-05	3.61e-06
330	307	-0.02	0.11	-0.28	0.0	-6.29e-06	2.54e-06
330	310	-0.02	0.06	-0.28	0.0	-6.44e-06	2.49e-06
331	44	-0.32	0.11	-0.37	0.0	-1.60e-04	9.97e-06
331	52	-0.02	0.26	-0.45	0.0	-1.13e-05	3.96e-06
331	68	-0.02	0.37	-0.40	0.0	-9.22e-06	3.52e-06
331	116	-2.95	-1.60	-0.05	0.0	-1.43e-03	-9.07e-05
331	129	1.47	3.21	-0.59	0.0	7.16e-04	1.13e-04
331	148	-3.32	-1.81	-0.02	0.0	-1.61e-03	-1.02e-04
331	161	1.66	3.63	-0.63	0.0	8.08e-04	1.28e-04
331	180	-3.28	-1.88	-0.01	0.0	-1.59e-03	-1.02e-04
331	193	1.66	3.76	-0.65	0.0	8.10e-04	1.30e-04
331	212	-3.83	-2.26	0.03	0.0	-1.86e-03	-1.21e-04
331	225	1.96	4.52	-0.73	0.0	9.58e-04	1.55e-04
331	264	-0.22	0.08	-0.26	0.0	-1.07e-04	6.75e-06
331	268	-0.02	0.18	-0.31	0.0	-7.84e-06	2.74e-06
331	276	-0.01	0.25	-0.28	0.0	-6.45e-06	2.45e-06
331	298	-0.01	0.04	-0.24	0.0	-6.97e-06	2.12e-06
331	305	-0.05	0.05	-0.23	0.0	-2.66e-05	2.90e-06
331	307	-0.01	0.08	-0.24	0.0	-6.46e-06	2.04e-06
331	310	-0.01	0.04	-0.23	0.0	-6.60e-06	2.00e-06
332	44	-0.40	0.15	-0.47	0.0	-1.60e-04	1.24e-05
332	52	-0.03	0.35	-0.56	0.0	-1.13e-05	4.94e-06
332	68	-0.02	0.49	-0.50	0.0	-9.21e-06	4.39e-06
332	116	-3.66	-2.09	-0.12	0.0	-1.41e-03	-1.13e-04
332	129	1.82	4.21	-0.63	0.0	7.05e-04	1.41e-04
332	148	-4.11	-2.38	-0.09	0.0	-1.58e-03	-1.27e-04
332	161	2.05	4.76	-0.68	0.0	7.95e-04	1.59e-04
332	180	-4.06	-2.46	-0.08	0.0	-1.56e-03	-1.26e-04
332	193	2.06	4.94	-0.69	0.0	7.98e-04	1.62e-04
332	212	-4.74	-2.97	-0.04	0.0	-1.83e-03	-1.50e-04
332	225	2.43	5.94	-0.77	0.0	9.43e-04	1.93e-04
332	264	-0.27	0.10	-0.33	0.0	-1.07e-04	8.41e-06
332	268	-0.02	0.23	-0.39	0.0	-7.84e-06	3.42e-06
332	276	-0.02	0.33	-0.35	0.0	-6.45e-06	3.05e-06
332	298	-0.02	0.06	-0.31	0.0	-6.97e-06	2.64e-06
332	305	-0.07	0.06	-0.29	0.0	-2.66e-05	3.61e-06
332	307	-0.02	0.11	-0.30	0.0	-6.46e-06	2.54e-06
332	310	-0.02	0.06	-0.29	0.0	-6.60e-06	2.49e-06
333	44	-0.47	0.19	-0.56	0.0	-1.59e-04	1.46e-05
333	68	-0.02	0.60	-0.53	0.0	-8.57e-06	5.17e-06
333	76	-0.03	-7.71e-03	-0.67	0.0	-1.16e-05	5.40e-06
333	116	-4.35	-2.52	-0.51	0.0	-1.41e-03	-1.33e-04
333	129	2.21	5.07	-0.05	0.0	7.17e-04	1.66e-04
333	132	-2.25	-4.93	-0.66	0.0	-7.29e-04	-1.60e-04
333	148	-4.89	-2.86	-0.53	0.0	-1.58e-03	-1.50e-04
333	161	2.50	5.74	-6.47e-03	0.0	8.09e-04	1.87e-04
333	164	-2.53	-5.59	-0.70	0.0	-8.21e-04	-1.82e-04
333	180	-4.83	-2.96	-0.54	0.0	-1.56e-03	-1.49e-04
333	193	2.51	5.95	6.72e-03	0.0	8.12e-04	1.91e-04
333	196	-2.54	-5.81	-0.71	0.0	-8.25e-04	-1.85e-04
333	212	-5.64	-3.57	-0.58	0.0	-1.83e-03	-1.77e-04
333	225	2.97	7.16	0.08	0.0	9.61e-04	2.28e-04
333	228	-3.00	-7.01	-0.79	0.0	-9.74e-04	-2.22e-04
333	264	-0.31	0.13	-0.39	0.0	-1.06e-04	9.90e-06
333	276	-0.02	0.40	-0.37	0.0	-6.00e-06	3.59e-06
333	280	-0.02	-2.03e-03	-0.46	0.0	-8.05e-06	3.75e-06
333	298	-0.02	0.08	-0.37	0.0	-6.59e-06	3.11e-06
333	305	-0.08	0.08	-0.35	0.0	-2.61e-05	4.25e-06
333	307	-0.02	0.14	-0.35	0.0	-6.09e-06	2.99e-06
333	310	-0.02	0.07	-0.35	0.0	-6.25e-06	2.93e-06
334	44	-0.47	0.19	-0.55	0.0	-1.59e-04	1.46e-05
334	68	-0.03	0.60	-0.55	0.0	-8.96e-06	5.16e-06
334	76	-0.04	-8.81e-03	-0.65	0.0	-1.20e-05	5.39e-06
334	116	-4.32	-2.52	-0.34	0.0	-1.40e-03	-1.33e-04
334	129	2.17	5.07	-0.34	0.0	7.07e-04	1.66e-04
334	138	0.58	-4.06	-0.36	0.0	1.87e-04	-2.70e-05
334	148	-4.85	-2.86	-0.34	0.0	-1.57e-03	-1.50e-04
334	161	2.45	5.74	-0.34	0.0	7.97e-04	1.87e-04
334	170	0.65	-4.60	-0.36	0.0	2.10e-04	-3.09e-05

334	180	-4.79	-2.96	-0.34	0.0	-1.55e-03	-1.49e-04
334	193	2.46	5.95	-0.34	0.0	8.00e-04	1.91e-04
334	202	0.62	-4.73	-0.36	0.0	2.00e-04	-3.14e-05
334	212	-5.60	-3.57	-0.34	0.0	-1.81e-03	-1.77e-04
334	225	2.91	7.15	-0.34	0.0	9.47e-04	2.28e-04
334	234	0.72	-5.63	-0.36	0.0	2.31e-04	-3.79e-05
334	264	-0.31	0.13	-0.39	0.0	-1.07e-04	9.89e-06
334	276	-0.02	0.40	-0.39	0.0	-6.27e-06	3.59e-06
334	280	-0.02	-2.79e-03	-0.45	0.0	-8.29e-06	3.74e-06
334	298	-0.02	0.08	-0.37	0.0	-6.80e-06	3.11e-06
334	305	-0.08	0.08	-0.35	0.0	-2.64e-05	4.25e-06
334	307	-0.02	0.13	-0.35	0.0	-6.29e-06	2.99e-06
334	310	-0.02	0.07	-0.35	0.0	-6.44e-06	2.93e-06
335	44	-0.54	0.22	-0.84	8.27e-06	-3.60e-04	1.59e-05
335	68	-0.03	0.68	-0.82	1.73e-05	-5.54e-05	5.32e-06
335	76	-0.04	-2.82e-03	-0.99	1.06e-05	-7.06e-05	6.04e-06
335	116	-4.98	-2.89	-0.65	2.40e-06	-1.66e-03	-1.51e-04
335	129	2.53	5.83	-0.30	1.40e-05	8.01e-04	1.91e-04
335	132	-2.58	-5.66	-0.76	0.0	-8.77e-04	-1.85e-04
335	148	-5.59	-3.28	-0.66	1.80e-06	-1.86e-03	-1.71e-04
335	161	2.86	6.59	-0.27	1.48e-05	9.07e-04	2.15e-04
335	164	-2.90	-6.43	-0.79	0.0	-9.84e-04	-2.09e-04
335	180	-5.53	-3.40	-0.67	1.99e-06	-1.84e-03	-1.70e-04
335	193	2.87	6.84	-0.26	1.44e-05	9.12e-04	2.19e-04
335	196	-2.91	-6.67	-0.80	0.0	-9.88e-04	-2.13e-04
335	212	-6.46	-4.10	-0.69	1.08e-06	-2.14e-03	-2.01e-04
335	225	3.40	8.23	-0.21	1.57e-05	1.08e-03	2.62e-04
335	228	-3.44	-8.06	-0.85	0.0	-1.16e-03	-2.56e-04
335	264	-0.36	0.15	-0.59	5.29e-06	-2.42e-04	1.08e-05
335	276	-0.02	0.46	-0.58	1.13e-05	-3.88e-05	3.72e-06
335	280	-0.03	1.83e-03	-0.69	6.82e-06	-4.90e-05	4.20e-06
335	298	-0.02	0.09	-0.56	8.73e-06	-4.01e-05	3.44e-06
335	305	-0.09	0.10	-0.53	7.50e-06	-7.80e-05	4.67e-06
335	307	-0.02	0.16	-0.53	8.70e-06	-3.74e-05	3.25e-06
335	310	-0.02	0.08	-0.53	7.39e-06	-3.80e-05	3.23e-06
336	44	-0.54	0.22	-0.81	-1.42e-06	-3.53e-04	1.67e-05
336	68	-0.03	0.69	-0.81	0.0	-5.52e-05	5.73e-06
336	76	-0.04	-1.83e-03	-0.95	-2.30e-06	-7.05e-05	6.20e-06
336	116	-4.94	-2.89	-0.50	4.46e-05	-1.65e-03	-1.52e-04
336	129	2.49	5.83	-0.50	-8.92e-05	7.92e-04	1.91e-04
336	138	0.67	-4.66	-0.52	7.36e-05	1.76e-04	-3.14e-05
336	148	-5.55	-3.28	-0.50	5.06e-05	-1.84e-03	-1.71e-04
336	161	2.81	6.59	-0.50	-1.01e-04	8.97e-04	2.15e-04
336	170	0.75	-5.29	-0.52	8.34e-05	2.01e-04	-3.61e-05
336	180	-5.48	-3.40	-0.50	5.24e-05	-1.82e-03	-1.71e-04
336	193	2.82	6.84	-0.50	-1.05e-04	9.01e-04	2.20e-04
336	202	0.71	-5.43	-0.52	8.57e-05	1.89e-04	-3.67e-05
336	212	-6.40	-4.10	-0.50	6.32e-05	-2.13e-03	-2.02e-04
336	225	3.33	8.23	-0.50	-1.26e-04	1.07e-03	2.62e-04
336	234	0.82	-6.47	-0.52	1.02e-04	2.22e-04	-4.42e-05
336	264	-0.36	0.15	-0.57	0.0	-2.37e-04	1.13e-05
336	276	-0.02	0.46	-0.57	0.0	-3.87e-05	3.99e-06
336	280	-0.03	2.51e-03	-0.66	-1.57e-06	-4.89e-05	4.30e-06
336	298	-0.02	0.09	-0.54	0.0	-4.00e-05	3.55e-06
336	305	-0.09	0.10	-0.51	0.0	-7.71e-05	4.85e-06
336	307	-0.02	0.16	-0.51	0.0	-3.74e-05	3.39e-06
336	310	-0.02	0.08	-0.51	0.0	-3.80e-05	3.34e-06
337	44	-0.47	0.18	-0.59	0.0	-1.60e-04	1.46e-05
337	52	-0.03	0.42	-0.70	0.0	-1.13e-05	5.81e-06
337	68	-0.03	0.59	-0.61	0.0	-9.20e-06	5.17e-06
337	116	-4.29	-2.52	-0.22	0.0	-1.39e-03	-1.33e-04
337	129	2.13	5.07	-0.66	0.0	6.97e-04	1.66e-04
337	148	-4.81	-2.86	-0.20	0.0	-1.56e-03	-1.50e-04
337	161	2.41	5.73	-0.70	0.0	7.86e-04	1.87e-04
337	180	-4.75	-2.96	-0.19	0.0	-1.54e-03	-1.49e-04
337	193	2.41	5.95	-0.71	0.0	7.89e-04	1.91e-04
337	212	-5.55	-3.57	-0.15	0.0	-1.80e-03	-1.77e-04
337	225	2.85	7.15	-0.78	0.0	9.33e-04	2.28e-04
337	264	-0.32	0.13	-0.41	0.0	-1.07e-04	9.90e-06
337	268	-0.02	0.29	-0.49	0.0	-7.83e-06	4.02e-06
337	276	-0.02	0.40	-0.43	0.0	-6.44e-06	3.59e-06
337	298	-0.02	0.07	-0.39	0.0	-6.97e-06	3.11e-06
337	305	-0.08	0.08	-0.37	0.0	-2.66e-05	4.25e-06
337	307	-0.02	0.13	-0.37	0.0	-6.45e-06	2.99e-06
337	310	-0.02	0.07	-0.37	0.0	-6.60e-06	2.93e-06

338	44	-0.55	0.22	-0.86	3.10e-06	-3.52e-04	1.70e-05
338	52	-0.04	0.49	-1.02	3.63e-06	-6.64e-05	6.37e-06
338	68	-0.03	0.69	-0.88	1.20e-05	-5.52e-05	5.53e-06
338	116	-4.90	-2.89	-0.43	-5.49e-06	-1.64e-03	-1.52e-04
338	129	2.44	5.83	-0.75	4.92e-06	7.86e-04	1.91e-04
338	148	-5.51	-3.28	-0.42	-5.98e-06	-1.84e-03	-1.72e-04
338	161	2.75	6.59	-0.78	5.67e-06	8.90e-04	2.15e-04
338	180	-5.44	-3.40	-0.41	-5.81e-06	-1.82e-03	-1.71e-04
338	193	2.76	6.84	-0.79	5.32e-06	8.94e-04	2.19e-04
338	212	-6.35	-4.10	-0.39	-6.55e-06	-2.12e-03	-2.02e-04
338	225	3.26	8.23	-0.84	6.53e-06	1.06e-03	2.62e-04
338	264	-0.37	0.15	-0.61	2.61e-06	-2.36e-04	1.15e-05
338	268	-0.03	0.33	-0.71	2.97e-06	-4.62e-05	4.42e-06
338	276	-0.02	0.46	-0.61	8.51e-06	-3.87e-05	3.85e-06
338	298	-0.02	0.09	-0.58	-2.43e-06	-4.00e-05	3.51e-06
338	305	-0.09	0.10	-0.54	-1.32e-06	-7.69e-05	4.85e-06
338	307	-0.02	0.16	-0.54	0.0	-3.73e-05	3.33e-06
338	310	-0.02	0.09	-0.54	-1.45e-06	-3.79e-05	3.30e-06
339	1	0.0	0.0	0.0	0.0	3.51e-04	6.55e-06
339	113	0.0	0.0	0.0	0.0	1.42e-03	3.77e-06
339	145	0.0	0.0	0.0	0.0	1.59e-03	4.21e-06
339	177	0.0	0.0	0.0	0.0	1.57e-03	4.19e-06
339	209	0.0	0.0	0.0	0.0	1.83e-03	4.90e-06
339	241	0.0	0.0	0.0	0.0	2.33e-04	4.38e-06
339	297	0.0	0.0	0.0	0.0	-5.16e-06	0.0
339	309	0.0	0.0	0.0	0.0	-5.16e-06	0.0
340	44	-0.71	0.04	-0.02	0.0	-1.09e-03	-1.56e-04
340	68	-5.19e-03	0.10	-5.89e-03	0.0	-1.12e-05	2.45e-06
340	76	-6.98e-03	0.01	-0.04	0.0	-1.48e-05	2.41e-06
340	124	-0.72	-0.16	-0.06	0.0	-1.43e-03	-1.53e-05
340	129	0.34	0.79	0.17	0.0	6.66e-04	3.43e-05
340	132	-0.34	-0.75	-0.20	0.0	-6.81e-04	-3.17e-05
340	156	-0.81	-0.18	-0.07	0.0	-1.61e-03	-1.74e-05
340	161	0.38	0.89	0.19	0.0	7.50e-04	3.86e-05
340	164	-0.39	-0.85	-0.23	0.0	-7.66e-04	-3.59e-05
340	188	-0.80	-0.19	-0.07	0.0	-1.58e-03	-1.72e-05
340	193	0.38	0.92	0.20	0.0	7.48e-04	3.93e-05
340	196	-0.39	-0.89	-0.24	0.0	-7.64e-04	-3.67e-05
340	212	-0.93	-0.54	-0.15	0.0	-1.84e-03	-3.96e-05
340	225	0.45	1.11	0.25	0.0	8.81e-04	4.68e-05
340	228	-0.45	-1.07	-0.28	0.0	-8.97e-04	-4.42e-05
340	264	-0.47	0.03	-0.02	0.0	-7.26e-04	-1.04e-04
340	276	-3.63e-03	0.07	-4.98e-03	0.0	-7.87e-06	1.70e-06
340	280	-4.83e-03	0.01	-0.03	0.0	-1.02e-05	1.67e-06
340	298	-3.93e-03	0.02	-0.02	0.0	-8.34e-06	1.42e-06
340	305	-0.10	0.02	-0.02	0.0	-1.51e-04	-1.98e-05
340	307	-3.63e-03	0.03	-0.01	0.0	-7.74e-06	1.38e-06
340	310	-3.72e-03	0.02	-0.02	0.0	-7.90e-06	1.33e-06
341	44	-0.64	0.04	-0.02	0.0	-1.00e-03	-1.27e-04
341	68	-6.52e-03	0.10	-0.02	0.0	-1.31e-05	2.52e-06
341	76	-8.29e-03	0.01	-0.03	0.0	-1.67e-05	2.47e-06
341	124	-0.72	-0.16	-0.03	0.0	-1.42e-03	-1.52e-05
341	129	0.32	0.79	0.03	0.0	6.43e-04	3.45e-05
341	132	-0.33	-0.76	-0.06	0.0	-6.61e-04	-3.18e-05
341	156	-0.81	-0.18	-0.03	0.0	-1.60e-03	-1.72e-05
341	161	0.36	0.90	0.03	0.0	7.25e-04	3.88e-05
341	164	-0.37	-0.86	-0.07	0.0	-7.43e-04	-3.61e-05
341	188	-0.79	-0.19	-0.03	0.0	-1.58e-03	-1.70e-05
341	193	0.36	0.93	0.04	0.0	7.21e-04	3.96e-05
341	196	-0.37	-0.89	-0.07	0.0	-7.39e-04	-3.69e-05
341	220	-0.92	-0.24	-0.03	0.0	-1.83e-03	-2.06e-05
341	225	0.43	1.11	0.05	0.0	8.49e-04	4.71e-05
341	228	-0.44	-1.08	-0.08	0.0	-8.67e-04	-4.44e-05
341	264	-0.43	0.03	-0.02	0.0	-6.69e-04	-8.44e-05
341	276	-4.56e-03	0.07	-0.01	0.0	-9.19e-06	1.75e-06
341	280	-5.74e-03	9.98e-03	-0.02	0.0	-1.15e-05	1.72e-06
341	298	-4.70e-03	0.02	-0.02	0.0	-9.45e-06	1.45e-06
341	305	-0.09	0.02	-0.02	0.0	-1.41e-04	-1.58e-05
341	307	-4.38e-03	0.03	-0.02	0.0	-8.82e-06	1.41e-06
341	310	-4.45e-03	0.02	-0.02	0.0	-8.94e-06	1.37e-06
342	1	0.0	0.0	0.0	0.0	3.19e-04	7.88e-06
342	113	0.0	0.0	0.0	0.0	1.39e-03	3.97e-06
342	145	0.0	0.0	0.0	0.0	1.56e-03	4.44e-06
342	177	0.0	0.0	0.0	0.0	1.54e-03	4.42e-06
342	209	0.0	0.0	0.0	0.0	1.80e-03	5.17e-06

342	241	0.0	0.0	0.0	0.0	2.12e-04	5.26e-06
342	297	0.0	0.0	0.0	0.0	-5.88e-06	0.0
342	309	0.0	0.0	0.0	0.0	-5.88e-06	0.0
343	44	-1.26	0.08	-0.05	0.0	-7.84e-04	-2.47e-04
343	68	-0.01	0.21	-0.02	0.0	-1.17e-05	4.48e-06
343	76	-0.01	0.03	-0.08	0.0	-1.52e-05	4.44e-06
343	124	-1.44	-0.33	-0.11	0.0	-1.41e-03	-2.94e-05
343	129	0.67	1.62	0.29	0.0	6.58e-04	6.86e-05
343	132	-0.69	-1.55	-0.37	0.0	-6.74e-04	-6.37e-05
343	156	-1.61	-0.38	-0.13	0.0	-1.59e-03	-3.33e-05
343	161	0.76	1.83	0.34	0.0	7.41e-04	7.72e-05
343	164	-0.77	-1.76	-0.41	0.0	-7.58e-04	-7.23e-05
343	188	-1.59	-0.40	-0.13	0.0	-1.56e-03	-3.30e-05
343	193	0.75	1.90	0.35	0.0	7.39e-04	7.87e-05
343	196	-0.77	-1.83	-0.43	0.0	-7.56e-04	-7.38e-05
343	212	-1.85	-1.12	-0.28	0.0	-1.82e-03	-7.87e-05
343	225	0.89	2.28	0.43	0.0	8.71e-04	9.38e-05
343	228	-0.90	-2.21	-0.51	0.0	-8.87e-04	-8.88e-05
343	264	-0.84	0.06	-0.04	0.0	-5.23e-04	-1.65e-04
343	276	-7.42e-03	0.14	-0.02	0.0	-8.18e-06	3.11e-06
343	280	-9.80e-03	0.02	-0.05	0.0	-1.05e-05	3.08e-06
343	298	-7.98e-03	0.04	-0.04	0.0	-8.58e-06	2.61e-06
343	305	-0.17	0.04	-0.04	0.0	-1.11e-04	-3.11e-05
343	307	-7.38e-03	0.06	-0.03	0.0	-7.98e-06	2.53e-06
343	310	-7.55e-03	0.04	-0.04	0.0	-8.12e-06	2.45e-06
344	44	-1.14	0.08	-0.05	0.0	-7.28e-04	-2.19e-04
344	68	-0.01	0.21	-0.04	0.0	-1.32e-05	4.61e-06
344	76	-0.02	0.02	-0.06	0.0	-1.67e-05	4.55e-06
344	124	-1.43	-0.33	-0.05	0.0	-1.41e-03	-2.93e-05
344	129	0.65	1.62	0.07	0.0	6.37e-04	6.92e-05
344	132	-0.66	-1.55	-0.13	0.0	-6.55e-04	-6.42e-05
344	156	-1.61	-0.38	-0.06	0.0	-1.58e-03	-3.32e-05
344	161	0.73	1.83	0.08	0.0	7.18e-04	7.79e-05
344	164	-0.74	-1.76	-0.14	0.0	-7.36e-04	-7.29e-05
344	188	-1.58	-0.40	-0.06	0.0	-1.56e-03	-3.29e-05
344	193	0.72	1.90	0.08	0.0	7.14e-04	7.94e-05
344	196	-0.74	-1.83	-0.15	0.0	-7.32e-04	-7.44e-05
344	220	-1.84	-0.50	-0.06	0.0	-1.82e-03	-3.97e-05
344	225	0.85	2.29	0.11	0.0	8.41e-04	9.46e-05
344	228	-0.87	-2.21	-0.17	0.0	-8.59e-04	-8.95e-05
344	264	-0.76	0.06	-0.03	0.0	-4.86e-04	-1.46e-04
344	276	-9.14e-03	0.14	-0.03	0.0	-9.23e-06	3.20e-06
344	280	-0.01	0.02	-0.04	0.0	-1.16e-05	3.16e-06
344	298	-9.41e-03	0.04	-0.03	0.0	-9.48e-06	2.67e-06
344	305	-0.16	0.04	-0.03	0.0	-1.04e-04	-2.72e-05
344	307	-8.78e-03	0.06	-0.03	0.0	-8.85e-06	2.60e-06
344	310	-8.91e-03	0.04	-0.03	0.0	-8.97e-06	2.52e-06
345	44	-1.59	0.12	-0.09	0.0	-3.70e-04	-2.94e-04
345	68	-0.02	0.31	-0.05	0.0	-1.23e-05	5.95e-06
345	76	-0.02	0.03	-0.12	0.0	-1.57e-05	5.97e-06
345	124	-2.14	-0.51	-0.16	0.0	-1.39e-03	-3.95e-05
345	129	1.00	2.48	0.38	0.0	6.46e-04	9.91e-05
345	132	-1.02	-2.37	-0.50	0.0	-6.63e-04	-9.26e-05
345	156	-2.40	-0.59	-0.18	0.0	-1.56e-03	-4.49e-05
345	161	1.13	2.80	0.43	0.0	7.28e-04	1.12e-04
345	164	-1.15	-2.69	-0.55	0.0	-7.45e-04	-1.05e-04
345	188	-2.37	-0.62	-0.18	0.0	-1.54e-03	-4.46e-05
345	193	1.12	2.91	0.45	0.0	7.27e-04	1.14e-04
345	196	-1.15	-2.80	-0.57	0.0	-7.43e-04	-1.07e-04
345	212	-2.76	-1.71	-0.38	0.0	-1.79e-03	-1.12e-04
345	225	1.32	3.49	0.56	0.0	8.56e-04	1.36e-04
345	228	-1.35	-3.38	-0.68	0.0	-8.73e-04	-1.29e-04
345	264	-1.06	0.08	-0.06	0.0	-2.47e-04	-1.96e-04
345	276	-0.01	0.21	-0.03	0.0	-8.62e-06	4.14e-06
345	280	-0.01	0.02	-0.09	0.0	-1.09e-05	4.15e-06
345	298	-0.01	0.06	-0.06	0.0	-8.91e-06	3.49e-06
345	305	-0.22	0.06	-0.06	0.0	-5.60e-05	-3.66e-05
345	307	-0.01	0.08	-0.05	0.0	-8.31e-06	3.38e-06
345	310	-0.01	0.05	-0.06	0.0	-8.44e-06	3.29e-06
346	44	-1.44	0.12	-0.07	0.0	-3.53e-04	-2.67e-04
346	68	-0.02	0.31	-0.06	0.0	-1.33e-05	6.12e-06
346	76	-0.02	0.03	-0.09	0.0	-1.68e-05	6.12e-06
346	124	-2.13	-0.51	-0.08	0.0	-1.39e-03	-3.92e-05
346	129	0.96	2.48	0.11	0.0	6.27e-04	9.99e-05
346	132	-0.99	-2.37	-0.20	0.0	-6.45e-04	-9.32e-05

346	156	-2.40	-0.59	-0.09	0.0	-1.56e-03	-4.46e-05
346	161	1.08	2.80	0.13	0.0	7.07e-04	1.12e-04
346	164	-1.11	-2.70	-0.22	0.0	-7.25e-04	-1.06e-04
346	188	-2.36	-0.62	-0.09	0.0	-1.54e-03	-4.43e-05
346	193	1.08	2.91	0.13	0.0	7.04e-04	1.15e-04
346	196	-1.11	-2.80	-0.23	0.0	-7.22e-04	-1.08e-04
346	220	-2.74	-0.76	-0.10	0.0	-1.79e-03	-5.35e-05
346	225	1.27	3.49	0.17	0.0	8.28e-04	1.37e-04
346	228	-1.30	-3.38	-0.26	0.0	-8.46e-04	-1.30e-04
346	264	-0.96	0.08	-0.05	0.0	-2.36e-04	-1.78e-04
346	276	-0.01	0.21	-0.04	0.0	-9.30e-06	4.26e-06
346	280	-0.02	0.02	-0.06	0.0	-1.16e-05	4.25e-06
346	298	-0.01	0.06	-0.05	0.0	-9.53e-06	3.58e-06
346	305	-0.20	0.06	-0.05	0.0	-5.43e-05	-3.29e-05
346	307	-0.01	0.08	-0.05	0.0	-8.90e-06	3.47e-06
346	310	-0.01	0.05	-0.05	0.0	-9.02e-06	3.37e-06
347	44	-0.57	0.04	-0.02	0.0	-8.98e-04	-1.40e-04
347	68	-7.94e-03	0.10	-0.02	0.0	-1.55e-05	2.78e-06
347	76	-9.68e-03	0.01	-0.03	0.0	-1.90e-05	2.68e-06
347	124	-0.72	-0.16	-0.02	0.0	-1.42e-03	-1.52e-05
347	129	0.31	0.80	0.02	0.0	6.18e-04	3.55e-05
347	132	-0.32	-0.76	-0.06	0.0	-6.39e-04	-3.26e-05
347	156	-0.80	-0.19	-0.03	0.0	-1.60e-03	-1.72e-05
347	161	0.35	0.90	0.03	0.0	6.97e-04	4.00e-05
347	164	-0.36	-0.86	-0.06	0.0	-7.17e-04	-3.70e-05
347	188	-0.79	-0.20	-0.03	0.0	-1.57e-03	-1.70e-05
347	193	0.35	0.93	0.03	0.0	6.91e-04	4.08e-05
347	196	-0.36	-0.90	-0.06	0.0	-7.12e-04	-3.78e-05
347	220	-0.92	-0.24	-0.03	0.0	-1.83e-03	-2.06e-05
347	225	0.41	1.12	0.04	0.0	8.13e-04	4.85e-05
347	228	-0.42	-1.08	-0.07	0.0	-8.33e-04	-4.55e-05
347	264	-0.38	0.03	-0.02	0.0	-5.99e-04	-9.33e-05
347	276	-5.54e-03	0.07	-0.02	0.0	-1.08e-05	1.93e-06
347	280	-6.70e-03	9.69e-03	-0.02	0.0	-1.32e-05	1.86e-06
347	298	-5.52e-03	0.02	-0.02	0.0	-1.08e-05	1.58e-06
347	305	-0.08	0.02	-0.02	0.0	-1.28e-04	-1.75e-05
347	307	-5.18e-03	0.03	-0.02	0.0	-1.02e-05	1.54e-06
347	310	-5.22e-03	0.02	-0.02	0.0	-1.02e-05	1.49e-06
348	1	0.0	0.0	0.0	0.0	2.83e-04	9.08e-06
348	113	0.0	0.0	0.0	0.0	1.36e-03	4.24e-06
348	145	0.0	0.0	0.0	0.0	1.53e-03	4.74e-06
348	177	0.0	0.0	0.0	0.0	1.51e-03	4.72e-06
348	209	0.0	0.0	0.0	0.0	1.76e-03	5.52e-06
348	241	0.0	0.0	0.0	0.0	1.88e-04	6.07e-06
348	297	0.0	0.0	0.0	0.0	-6.75e-06	0.0
348	309	0.0	0.0	0.0	0.0	-6.75e-06	0.0
349	44	-1.02	0.08	-0.05	0.0	-6.58e-04	-2.47e-04
349	68	-0.02	0.21	-0.04	0.0	-1.51e-05	5.11e-06
349	76	-0.02	0.02	-0.06	0.0	-1.87e-05	4.96e-06
349	124	-1.43	-0.33	-0.05	0.0	-1.41e-03	-2.91e-05
349	129	0.62	1.63	0.05	0.0	6.14e-04	7.13e-05
349	132	-0.64	-1.55	-0.11	0.0	-6.34e-04	-6.58e-05
349	156	-1.60	-0.38	-0.05	0.0	-1.58e-03	-3.31e-05
349	161	0.70	1.84	0.06	0.0	6.91e-04	8.02e-05
349	164	-0.72	-1.77	-0.12	0.0	-7.11e-04	-7.47e-05
349	188	-1.58	-0.40	-0.05	0.0	-1.56e-03	-3.27e-05
349	193	0.69	1.91	0.06	0.0	6.86e-04	8.19e-05
349	196	-0.71	-1.83	-0.12	0.0	-7.06e-04	-7.64e-05
349	220	-1.83	-0.50	-0.06	0.0	-1.81e-03	-3.96e-05
349	225	0.82	2.29	0.08	0.0	8.07e-04	9.75e-05
349	228	-0.84	-2.22	-0.14	0.0	-8.27e-04	-9.20e-05
349	264	-0.68	0.06	-0.03	0.0	-4.39e-04	-1.65e-04
349	276	-0.01	0.14	-0.03	0.0	-1.06e-05	3.55e-06
349	280	-0.01	0.02	-0.04	0.0	-1.29e-05	3.45e-06
349	298	-0.01	0.04	-0.03	0.0	-1.06e-05	2.93e-06
349	305	-0.14	0.04	-0.03	0.0	-9.57e-05	-3.08e-05
349	307	-0.01	0.06	-0.03	0.0	-9.94e-06	2.85e-06
349	310	-0.01	0.04	-0.03	0.0	-1.00e-05	2.76e-06
350	44	-1.30	0.12	-0.07	0.0	-3.32e-04	-3.04e-04
350	68	-0.02	0.31	-0.07	0.0	-1.45e-05	6.81e-06
350	76	-0.03	0.03	-0.09	0.0	-1.81e-05	6.71e-06
350	124	-2.13	-0.51	-0.07	0.0	-1.39e-03	-3.85e-05
350	129	0.93	2.48	0.07	0.0	6.07e-04	1.03e-04
350	132	-0.96	-2.37	-0.17	0.0	-6.26e-04	-9.52e-05
350	156	-2.39	-0.59	-0.07	0.0	-1.56e-03	-4.38e-05

350	161	1.04	2.80	0.08	0.0	6.83e-04	1.15e-04
350	164	-1.07	-2.70	-0.18	0.0	-7.03e-04	-1.08e-04
350	188	-2.35	-0.62	-0.08	0.0	-1.54e-03	-4.35e-05
350	193	1.04	2.91	0.09	0.0	6.79e-04	1.18e-04
350	196	-1.07	-2.80	-0.19	0.0	-6.98e-04	-1.10e-04
350	220	-2.73	-0.76	-0.08	0.0	-1.79e-03	-5.27e-05
350	225	1.22	3.49	0.12	0.0	7.98e-04	1.40e-04
350	228	-1.25	-3.39	-0.21	0.0	-8.17e-04	-1.33e-04
350	264	-0.86	0.08	-0.05	0.0	-2.22e-04	-2.03e-04
350	276	-0.02	0.21	-0.05	0.0	-1.01e-05	4.73e-06
350	280	-0.02	0.02	-0.06	0.0	-1.25e-05	4.66e-06
350	298	-0.02	0.06	-0.05	0.0	-1.03e-05	3.95e-06
350	305	-0.18	0.06	-0.05	0.0	-5.20e-05	-3.76e-05
350	307	-0.02	0.08	-0.05	0.0	-9.62e-06	3.83e-06
350	310	-0.02	0.05	-0.05	0.0	-9.73e-06	3.71e-06
351	44	-0.49	0.04	-0.02	0.0	-7.66e-04	-1.78e-04
351	68	-9.56e-03	0.10	-0.02	0.0	-1.83e-05	3.11e-06
351	76	-0.01	0.01	-0.03	0.0	-2.17e-05	2.92e-06
351	123	-0.71	0.27	-6.25e-03	0.0	-1.41e-03	0.0
351	129	0.07	0.80	-5.19e-04	0.0	1.45e-04	3.75e-05
351	130	0.30	-0.65	-0.03	0.0	5.95e-04	-1.81e-05
351	155	-0.80	0.31	-5.00e-03	0.0	-1.59e-03	0.0
351	161	0.08	0.90	1.55e-03	0.0	1.63e-04	4.21e-05
351	162	0.34	-0.74	-0.04	0.0	6.71e-04	-2.08e-05
351	187	-0.79	0.32	-4.87e-03	0.0	-1.56e-03	0.0
351	193	0.08	0.94	2.28e-03	0.0	1.56e-04	4.30e-05
351	194	0.33	-0.77	-0.04	0.0	6.64e-04	-2.20e-05
351	219	-0.91	0.38	-2.82e-03	0.0	-1.82e-03	0.0
351	225	0.09	1.13	6.08e-03	0.0	1.80e-04	5.12e-05
351	226	0.39	-0.93	-0.04	0.0	7.79e-04	-2.71e-05
351	264	-0.33	0.03	-0.02	0.0	-5.11e-04	-1.19e-04
351	276	-6.67e-03	0.07	-0.02	0.0	-1.28e-05	2.16e-06
351	280	-7.78e-03	9.53e-03	-0.02	0.0	-1.51e-05	2.03e-06
351	298	-6.43e-03	0.02	-0.02	0.0	-1.24e-05	1.74e-06
351	305	-0.07	0.02	-0.02	0.0	-1.11e-04	-2.25e-05
351	307	-6.07e-03	0.03	-0.02	0.0	-1.17e-05	1.70e-06
351	310	-6.08e-03	0.02	-0.02	0.0	-1.17e-05	1.64e-06
352	1	0.0	0.0	0.0	0.0	2.36e-04	1.14e-05
352	113	0.0	0.0	0.0	0.0	1.20e-03	4.56e-06
352	145	0.0	0.0	0.0	0.0	1.34e-03	5.09e-06
352	177	0.0	0.0	0.0	0.0	1.32e-03	5.07e-06
352	209	0.0	0.0	0.0	0.0	1.54e-03	5.93e-06
352	241	0.0	0.0	0.0	0.0	1.57e-04	7.60e-06
352	297	0.0	0.0	0.0	0.0	-7.74e-06	0.0
352	309	0.0	0.0	0.0	0.0	-7.74e-06	0.0
353	44	-0.87	0.08	-0.05	0.0	-5.69e-04	-3.14e-04
353	68	-0.02	0.21	-0.05	0.0	-1.73e-05	5.77e-06
353	76	-0.02	0.02	-0.06	0.0	-2.09e-05	5.47e-06
353	123	-1.42	0.55	-0.01	0.0	-1.40e-03	2.34e-06
353	129	0.15	1.63	-6.19e-04	0.0	1.43e-04	7.49e-05
353	130	0.60	-1.33	-0.07	0.0	5.92e-04	-3.74e-05
353	155	-1.59	0.62	-9.53e-03	0.0	-1.58e-03	2.47e-06
353	161	0.16	1.84	3.54e-03	0.0	1.61e-04	8.42e-05
353	162	0.67	-1.51	-0.07	0.0	6.67e-04	-4.28e-05
353	187	-1.57	0.64	-9.28e-03	0.0	-1.55e-03	4.00e-06
353	193	0.16	1.91	5.02e-03	0.0	1.54e-04	8.60e-05
353	194	0.67	-1.57	-0.08	0.0	6.61e-04	-4.51e-05
353	219	-1.82	0.76	-5.14e-03	0.0	-1.80e-03	4.82e-06
353	225	0.18	2.29	0.01	0.0	1.78e-04	1.02e-04
353	226	0.78	-1.90	-0.08	0.0	7.76e-04	-5.55e-05
353	264	-0.58	0.05	-0.03	0.0	-3.80e-04	-2.09e-04
353	276	-0.01	0.14	-0.03	0.0	-1.21e-05	4.00e-06
353	280	-0.02	0.02	-0.04	0.0	-1.45e-05	3.80e-06
353	298	-0.01	0.04	-0.03	0.0	-1.19e-05	3.25e-06
353	305	-0.13	0.04	-0.03	0.0	-8.47e-05	-3.95e-05
353	307	-0.01	0.06	-0.03	0.0	-1.12e-05	3.17e-06
353	310	-0.01	0.04	-0.03	0.0	-1.13e-05	3.05e-06
354	44	-1.11	0.12	-0.07	0.0	-3.05e-04	-3.87e-04
354	68	-0.03	0.31	-0.07	0.0	-1.59e-05	7.78e-06
354	76	-0.03	0.03	-0.09	0.0	-1.96e-05	7.51e-06
354	123	-2.12	0.84	-0.02	0.0	-1.39e-03	8.68e-06
354	129	0.22	2.48	-1.34e-03	0.0	1.41e-04	1.07e-04
354	130	0.89	-2.03	-0.10	0.0	5.88e-04	-5.54e-05
354	155	-2.38	0.94	-0.01	0.0	-1.56e-03	9.55e-06
354	161	0.24	2.80	4.88e-03	0.0	1.59e-04	1.20e-04

354	162	1.01	-2.30	-0.11	0.0	6.63e-04	-6.34e-05
354	187	-2.34	0.97	-0.01	0.0	-1.54e-03	1.16e-05
354	193	0.23	2.91	7.09e-03	0.0	1.51e-04	1.23e-04
354	194	0.99	-2.40	-0.11	0.0	6.56e-04	-6.67e-05
354	219	-2.72	1.16	-7.97e-03	0.0	-1.79e-03	1.37e-05
354	225	0.27	3.49	0.02	0.0	1.75e-04	1.46e-04
354	226	1.17	-2.90	-0.13	0.0	7.71e-04	-8.18e-05
354	264	-0.74	0.08	-0.05	0.0	-2.04e-04	-2.58e-04
354	276	-0.02	0.21	-0.05	0.0	-1.11e-05	5.40e-06
354	280	-0.02	0.02	-0.06	0.0	-1.36e-05	5.22e-06
354	298	-0.02	0.06	-0.05	0.0	-1.12e-05	4.44e-06
354	305	-0.16	0.06	-0.05	0.0	-4.90e-05	-4.83e-05
354	307	-0.02	0.08	-0.05	0.0	-1.05e-05	4.33e-06
354	310	-0.02	0.05	-0.05	0.0	-1.06e-05	4.18e-06
355	4	0.10	0.03	-0.03	0.0	1.47e-04	6.83e-05
355	44	-0.38	0.04	-0.02	0.0	-5.93e-04	-2.15e-04
355	68	-0.01	0.10	-0.02	0.0	-2.14e-05	3.23e-06
355	122	0.69	-0.24	-0.03	0.0	1.38e-03	6.64e-06
355	123	-0.70	0.27	-4.82e-03	0.0	-1.41e-03	-3.33e-06
355	129	0.07	0.80	-0.01	0.0	1.48e-04	3.95e-05
355	154	0.78	-0.27	-0.03	0.0	1.55e-03	7.16e-06
355	155	-0.79	0.31	-3.48e-03	0.0	-1.58e-03	-3.85e-06
355	161	0.08	0.91	-0.01	0.0	1.67e-04	4.45e-05
355	186	0.76	-0.28	-0.03	0.0	1.53e-03	6.31e-06
355	187	-0.78	0.32	-3.59e-03	0.0	-1.55e-03	-3.00e-06
355	193	0.08	0.94	-0.01	0.0	1.61e-04	4.54e-05
355	218	0.89	-0.34	-0.03	0.0	1.78e-03	6.66e-06
355	219	-0.90	0.38	-1.60e-03	0.0	-1.80e-03	-3.35e-06
355	225	0.09	1.13	-0.01	0.0	1.89e-04	5.40e-05
355	244	0.06	0.02	-0.02	0.0	9.71e-05	4.56e-05
355	264	-0.25	0.03	-0.02	0.0	-3.96e-04	-1.43e-04
355	276	-7.92e-03	0.07	-0.02	0.0	-1.49e-05	2.24e-06
355	298	-7.43e-03	0.02	-0.02	0.0	-1.42e-05	1.76e-06
355	305	-0.06	0.02	-0.02	0.0	-8.96e-05	-2.73e-05
355	307	-7.05e-03	0.03	-0.02	0.0	-1.34e-05	1.74e-06
355	310	-7.01e-03	0.02	-0.02	0.0	-1.34e-05	1.66e-06
356	1	0.0	0.0	0.0	0.0	1.76e-04	1.34e-05
356	113	0.0	0.0	0.0	0.0	1.17e-03	5.03e-06
356	145	0.0	0.0	0.0	0.0	1.32e-03	5.62e-06
356	177	0.0	0.0	0.0	0.0	1.29e-03	5.60e-06
356	209	0.0	0.0	0.0	0.0	1.51e-03	6.54e-06
356	241	0.0	0.0	0.0	0.0	1.17e-04	8.92e-06
356	297	0.0	0.0	0.0	0.0	-8.82e-06	0.0
356	309	0.0	0.0	0.0	0.0	-8.82e-06	0.0
357	4	0.17	0.06	-0.06	0.0	1.06e-04	1.20e-04
357	44	-0.67	0.08	-0.05	0.0	-4.52e-04	-3.76e-04
357	68	-0.02	0.21	-0.05	0.0	-1.99e-05	5.90e-06
357	122	1.38	-0.48	-0.05	0.0	1.37e-03	8.61e-06
357	123	-1.41	0.55	-9.94e-03	0.0	-1.40e-03	-2.48e-06
357	129	0.15	1.63	-0.02	0.0	1.47e-04	7.81e-05
357	154	1.55	-0.55	-0.05	0.0	1.55e-03	9.09e-06
357	155	-1.58	0.62	-7.36e-03	0.0	-1.57e-03	-2.97e-06
357	161	0.17	1.84	-0.02	0.0	1.66e-04	8.78e-05
357	186	1.53	-0.57	-0.05	0.0	1.52e-03	7.48e-06
357	187	-1.56	0.64	-7.57e-03	0.0	-1.55e-03	-1.36e-06
357	193	0.16	1.91	-0.02	0.0	1.60e-04	8.97e-05
357	218	1.78	-0.69	-0.06	0.0	1.77e-03	7.38e-06
357	219	-1.81	0.76	-3.71e-03	0.0	-1.80e-03	-1.26e-06
357	225	0.19	2.29	-0.02	0.0	1.87e-04	1.07e-04
357	244	0.11	0.04	-0.04	0.0	7.01e-05	8.01e-05
357	264	-0.45	0.05	-0.03	0.0	-3.02e-04	-2.50e-04
357	276	-0.02	0.14	-0.03	0.0	-1.39e-05	4.09e-06
357	298	-0.01	0.04	-0.03	0.0	-1.34e-05	3.26e-06
357	305	-0.10	0.04	-0.03	0.0	-7.02e-05	-4.77e-05
357	307	-0.01	0.06	-0.03	0.0	-1.27e-05	3.20e-06
357	310	-0.01	0.04	-0.03	0.0	-1.27e-05	3.06e-06
358	4	0.21	0.09	-0.08	0.0	5.36e-05	1.48e-04
358	44	-0.86	0.12	-0.07	0.0	-2.68e-04	-4.61e-04
358	68	-0.03	0.31	-0.07	0.0	-1.76e-05	8.05e-06
358	122	2.07	-0.74	-0.08	0.0	1.37e-03	3.41e-06
358	123	-2.11	0.84	-0.02	0.0	-1.39e-03	5.11e-06
358	129	0.22	2.48	-0.04	0.0	1.45e-04	1.10e-04
358	154	2.33	-0.84	-0.08	0.0	1.54e-03	3.01e-06
358	155	-2.37	0.94	-0.01	0.0	-1.56e-03	5.51e-06
358	161	0.25	2.80	-0.04	0.0	1.64e-04	1.24e-04

358	186	2.29	-0.87	-0.08	0.0	1.52e-03	0.0
358	187	-2.33	0.97	-0.01	0.0	-1.54e-03	7.65e-06
358	193	0.24	2.91	-0.03	0.0	1.57e-04	1.27e-04
358	218	2.66	-1.05	-0.09	0.0	1.76e-03	0.0
358	219	-2.70	1.15	-6.54e-03	0.0	-1.79e-03	9.35e-06
358	225	0.28	3.49	-0.03	0.0	1.84e-04	1.51e-04
358	244	0.14	0.06	-0.06	0.0	3.52e-05	9.91e-05
358	264	-0.57	0.08	-0.05	0.0	-1.79e-04	-3.07e-04
358	276	-0.02	0.21	-0.05	0.0	-1.23e-05	5.58e-06
358	298	-0.02	0.06	-0.05	0.0	-1.22e-05	4.53e-06
358	305	-0.13	0.06	-0.05	0.0	-4.49e-05	-5.81e-05
358	307	-0.02	0.08	-0.05	0.0	-1.15e-05	4.43e-06
358	310	-0.02	0.05	-0.05	0.0	-1.16e-05	4.26e-06
359	4	0.05	0.03	-0.03	0.0	8.39e-05	6.11e-05
359	44	-0.24	0.04	-0.02	0.0	-3.96e-04	-1.93e-04
359	68	-0.01	0.10	-0.02	0.0	-2.45e-05	2.71e-06
359	121	0.62	0.20	-0.03	0.0	1.24e-03	2.58e-05
359	123	-0.70	0.27	-2.56e-03	0.0	-1.39e-03	-6.17e-06
359	129	0.07	0.80	-0.02	0.0	1.46e-04	3.97e-05
359	153	0.70	0.22	-0.03	0.0	1.40e-03	2.89e-05
359	155	-0.78	0.31	-1.03e-03	0.0	-1.56e-03	-7.02e-06
359	161	0.08	0.91	-0.03	0.0	1.66e-04	4.46e-05
359	185	0.68	0.23	-0.03	0.0	1.37e-03	2.88e-05
359	187	-0.77	0.32	-1.35e-03	0.0	-1.54e-03	-6.22e-06
359	193	0.08	0.94	-0.03	0.0	1.62e-04	4.55e-05
359	217	0.80	0.28	-0.04	0.0	1.60e-03	3.36e-05
359	219	-0.89	0.38	7.94e-04	0.0	-1.79e-03	-7.04e-06
359	225	0.10	1.13	-0.03	0.0	1.91e-04	5.42e-05
359	244	0.04	0.02	-0.02	0.0	5.52e-05	4.08e-05
359	264	-0.16	0.03	-0.01	0.0	-2.65e-04	-1.29e-04
359	276	-9.18e-03	0.07	-0.02	0.0	-1.70e-05	1.88e-06
359	298	-8.41e-03	0.02	-0.02	0.0	-1.59e-05	1.47e-06
359	305	-0.04	0.02	-0.01	0.0	-6.46e-05	-2.46e-05
359	307	-8.02e-03	0.03	-0.02	0.0	-1.51e-05	1.45e-06
359	310	-7.93e-03	0.02	-0.02	0.0	-1.50e-05	1.38e-06
360	1	0.0	0.0	0.0	0.0	1.07e-04	1.15e-05
360	113	0.0	0.0	0.0	0.0	1.14e-03	5.06e-06
360	145	0.0	0.0	0.0	0.0	1.28e-03	5.65e-06
360	177	0.0	0.0	0.0	0.0	1.26e-03	5.64e-06
360	209	0.0	0.0	0.0	0.0	1.47e-03	6.59e-06
360	241	0.0	0.0	0.0	0.0	7.06e-05	7.66e-06
360	297	0.0	0.0	0.0	0.0	-9.85e-06	0.0
360	309	0.0	0.0	0.0	0.0	-9.85e-06	0.0
361	4	0.09	0.06	-0.05	0.0	6.35e-05	1.05e-04
361	44	-0.43	0.08	-0.04	0.0	-3.21e-04	-3.32e-04
361	68	-0.03	0.21	-0.05	0.0	-2.25e-05	4.54e-06
361	121	1.24	0.41	-0.06	0.0	1.24e-03	4.11e-05
361	123	-1.39	0.55	-2.19e-03	0.0	-1.40e-03	-3.24e-06
361	129	0.15	1.63	-0.05	0.0	1.47e-04	7.54e-05
361	153	1.40	0.46	-0.07	0.0	1.40e-03	4.60e-05
361	155	-1.56	0.62	1.15e-03	0.0	-1.57e-03	-3.75e-06
361	161	0.17	1.84	-0.05	0.0	1.66e-04	8.49e-05
361	185	1.37	0.48	-0.07	0.0	1.38e-03	4.58e-05
361	187	-1.54	0.64	4.72e-04	0.0	-1.54e-03	-2.28e-06
361	193	0.16	1.91	-0.05	0.0	1.61e-04	8.67e-05
361	217	1.60	0.57	-0.07	0.0	1.60e-03	5.36e-05
361	219	-1.79	0.76	5.16e-03	0.0	-1.79e-03	-2.22e-06
361	225	0.19	2.29	-0.05	0.0	1.90e-04	1.03e-04
361	244	0.06	0.04	-0.04	0.0	4.17e-05	7.02e-05
361	264	-0.29	0.05	-0.03	0.0	-2.14e-04	-2.21e-04
361	276	-0.02	0.14	-0.03	0.0	-1.57e-05	3.14e-06
361	298	-0.02	0.04	-0.03	0.0	-1.49e-05	2.48e-06
361	305	-0.07	0.04	-0.03	0.0	-5.38e-05	-4.25e-05
361	307	-0.02	0.06	-0.03	0.0	-1.41e-05	2.44e-06
361	310	-0.02	0.04	-0.03	0.0	-1.41e-05	2.33e-06
362	4	0.12	0.09	-0.08	0.0	3.88e-05	1.29e-04
362	44	-0.58	0.12	-0.06	0.0	-2.27e-04	-4.04e-04
362	68	-0.04	0.31	-0.07	0.0	-1.95e-05	6.07e-06
362	121	1.86	0.62	-0.10	0.0	1.25e-03	4.85e-05
362	123	-2.09	0.84	-1.39e-03	0.0	-1.39e-03	5.55e-06
362	129	0.22	2.48	-0.07	0.0	1.46e-04	1.06e-04
362	153	2.10	0.69	-0.10	0.0	1.40e-03	5.43e-05
362	155	-2.35	0.94	3.85e-03	0.0	-1.57e-03	6.10e-06
362	161	0.25	2.80	-0.08	0.0	1.65e-04	1.19e-04
362	185	2.06	0.72	-0.10	0.0	1.38e-03	5.40e-05

362	187	-2.31	0.97	2.81e-03	0.0	-1.54e-03	8.08e-06
362	193	0.24	2.91	-0.08	0.0	1.61e-04	1.22e-04
362	217	2.40	0.87	-0.11	0.0	1.60e-03	6.33e-05
362	219	-2.68	1.15	0.01	0.0	-1.79e-03	1.00e-05
362	225	0.29	3.49	-0.08	0.0	1.88e-04	1.45e-04
362	244	0.08	0.06	-0.06	0.0	2.53e-05	8.60e-05
362	264	-0.38	0.08	-0.04	0.0	-1.52e-04	-2.69e-04
362	276	-0.03	0.21	-0.05	0.0	-1.37e-05	4.21e-06
362	298	-0.02	0.05	-0.05	0.0	-1.34e-05	3.41e-06
362	305	-0.09	0.06	-0.04	0.0	-4.03e-05	-5.13e-05
362	307	-0.02	0.08	-0.04	0.0	-1.26e-05	3.33e-06
362	310	-0.02	0.05	-0.04	0.0	-1.27e-05	3.20e-06
363	4	0.02	0.03	-0.04	0.0	4.12e-05	2.79e-06
363	44	-0.12	0.04	-0.02	0.0	-2.61e-04	-7.00e-06
363	68	-0.02	0.10	-0.03	0.0	-2.63e-05	0.0
363	121	0.61	0.20	-0.09	0.0	1.24e-03	2.84e-06
363	123	-0.69	0.27	0.04	0.0	-1.39e-03	1.11e-05
363	129	0.07	0.80	-0.06	0.0	1.41e-04	2.85e-05
363	153	0.69	0.22	-0.10	0.0	1.39e-03	3.22e-06
363	155	-0.77	0.30	0.05	0.0	-1.56e-03	1.25e-05
363	161	0.08	0.90	-0.06	0.0	1.60e-04	3.21e-05
363	185	0.68	0.23	-0.10	0.0	1.37e-03	3.61e-06
363	187	-0.76	0.31	0.04	0.0	-1.53e-03	1.25e-05
363	193	0.08	0.94	-0.06	0.0	1.57e-04	3.26e-05
363	217	0.79	0.28	-0.11	0.0	1.59e-03	4.40e-06
363	219	-0.88	0.37	0.05	0.0	-1.78e-03	1.48e-05
363	225	0.09	1.12	-0.07	0.0	1.87e-04	3.89e-05
363	244	9.88e-03	0.02	-0.03	0.0	2.67e-05	1.87e-06
363	264	-0.08	0.03	-0.01	0.0	-1.75e-04	-4.65e-06
363	276	-0.01	0.07	-0.02	0.0	-1.83e-05	0.0
363	298	-9.40e-03	0.02	-0.02	0.0	-1.69e-05	0.0
363	305	-0.02	0.02	-0.02	0.0	-4.74e-05	0.0
363	307	-9.00e-03	0.03	-0.02	0.0	-1.61e-05	0.0
363	310	-8.87e-03	0.02	-0.02	0.0	-1.59e-05	0.0
364	1	0.0	0.0	0.0	0.0	5.90e-05	0.0
364	113	0.0	0.0	0.0	0.0	1.11e-03	3.22e-06
364	145	0.0	0.0	0.0	0.0	1.25e-03	3.62e-06
364	177	0.0	0.0	0.0	0.0	1.22e-03	3.59e-06
364	209	0.0	0.0	0.0	0.0	1.43e-03	4.22e-06
364	241	0.0	0.0	0.0	0.0	3.85e-05	0.0
364	297	0.0	0.0	0.0	0.0	-1.06e-05	0.0
364	309	0.0	0.0	0.0	0.0	-1.06e-05	0.0
365	4	0.03	0.06	-0.06	0.0	3.60e-05	5.93e-06
365	44	-0.23	0.08	-0.03	0.0	-2.35e-04	-1.55e-05
365	68	-0.03	0.21	-0.05	0.0	-2.37e-05	0.0
365	121	1.23	0.41	-0.16	0.0	1.25e-03	6.44e-06
365	123	-1.38	0.55	0.07	0.0	-1.40e-03	2.20e-05
365	129	0.14	1.63	-0.10	0.0	1.43e-04	5.83e-05
365	153	1.39	0.46	-0.17	0.0	1.40e-03	7.30e-06
365	155	-1.55	0.62	0.08	0.0	-1.57e-03	2.48e-05
365	161	0.16	1.84	-0.11	0.0	1.62e-04	6.58e-05
365	185	1.36	0.48	-0.17	0.0	1.38e-03	8.07e-06
365	187	-1.53	0.64	0.08	0.0	-1.54e-03	2.47e-05
365	193	0.16	1.91	-0.11	0.0	1.59e-04	6.68e-05
365	217	1.59	0.57	-0.19	0.0	1.60e-03	9.83e-06
365	219	-1.77	0.76	0.10	0.0	-1.79e-03	2.94e-05
365	225	0.19	2.29	-0.13	0.0	1.88e-04	7.97e-05
365	244	0.02	0.04	-0.04	0.0	2.33e-05	3.98e-06
365	264	-0.16	0.05	-0.02	0.0	-1.57e-04	-1.03e-05
365	276	-0.02	0.14	-0.04	0.0	-1.66e-05	0.0
365	298	-0.02	0.04	-0.03	0.0	-1.56e-05	0.0
365	305	-0.04	0.04	-0.03	0.0	-4.29e-05	-1.64e-06
365	307	-0.02	0.06	-0.03	0.0	-1.48e-05	0.0
365	310	-0.02	0.04	-0.03	0.0	-1.48e-05	0.0
366	4	0.05	0.09	-0.09	0.0	2.95e-05	7.48e-06
366	44	-0.34	0.12	-0.05	0.0	-2.02e-04	-1.95e-05
366	68	-0.04	0.31	-0.08	0.0	-2.07e-05	0.0
366	121	1.86	0.62	-0.22	0.0	1.25e-03	1.04e-05
366	123	-2.09	0.84	0.09	0.0	-1.40e-03	3.14e-05
366	129	0.21	2.48	-0.15	0.0	1.44e-04	8.61e-05
366	153	2.09	0.69	-0.24	0.0	1.41e-03	1.18e-05
366	155	-2.34	0.94	0.11	0.0	-1.57e-03	3.53e-05
366	161	0.24	2.80	-0.16	0.0	1.63e-04	9.71e-05
366	185	2.06	0.72	-0.24	0.0	1.38e-03	1.29e-05
366	187	-2.30	0.97	0.10	0.0	-1.55e-03	3.54e-05

366	193	0.24	2.91	-0.16	0.0	1.60e-04	9.86e-05
366	217	2.39	0.87	-0.27	0.0	1.61e-03	1.57e-05
366	219	-2.67	1.15	0.13	0.0	-1.79e-03	4.20e-05
366	225	0.28	3.49	-0.18	0.0	1.89e-04	1.18e-04
366	244	0.03	0.06	-0.06	0.0	1.90e-05	5.02e-06
366	264	-0.22	0.08	-0.04	0.0	-1.35e-04	-1.30e-05
366	276	-0.03	0.21	-0.05	0.0	-1.45e-05	0.0
366	298	-0.03	0.05	-0.05	0.0	-1.42e-05	0.0
366	305	-0.06	0.06	-0.04	0.0	-3.75e-05	-2.06e-06
366	307	-0.02	0.08	-0.05	0.0	-1.33e-05	0.0
366	310	-0.02	0.05	-0.05	0.0	-1.34e-05	0.0
367	44	-1.66	0.16	-0.13	0.0	7.72e-05	-2.87e-04
367	68	-0.02	0.42	-0.08	0.0	-1.30e-05	6.70e-06
367	76	-0.03	0.04	-0.17	0.0	-1.63e-05	6.86e-06
367	124	-2.83	-0.70	-0.21	0.0	-1.36e-03	-4.66e-05
367	129	1.32	3.35	0.42	0.0	6.33e-04	1.27e-04
367	132	-1.35	-3.21	-0.60	0.0	-6.51e-04	-1.19e-04
367	156	-3.18	-0.80	-0.22	0.0	-1.53e-03	-5.29e-05
367	161	1.49	3.79	0.49	0.0	7.14e-04	1.43e-04
367	164	-1.52	-3.65	-0.66	0.0	-7.31e-04	-1.35e-04
367	188	-3.13	-0.84	-0.23	0.0	-1.51e-03	-5.29e-05
367	193	1.49	3.93	0.51	0.0	7.12e-04	1.45e-04
367	196	-1.52	-3.79	-0.68	0.0	-7.29e-04	-1.38e-04
367	212	-3.65	-2.32	-0.46	0.0	-1.76e-03	-1.41e-04
367	225	1.75	4.72	0.63	0.0	8.39e-04	1.73e-04
367	228	-1.78	-4.58	-0.81	0.0	-8.56e-04	-1.66e-04
367	264	-1.11	0.11	-0.09	0.0	5.11e-05	-1.91e-04
367	276	-0.02	0.28	-0.06	0.0	-9.11e-06	4.66e-06
367	280	-0.02	0.03	-0.12	0.0	-1.13e-05	4.76e-06
367	298	-0.02	0.07	-0.09	0.0	-9.29e-06	3.99e-06
367	305	-0.23	0.07	-0.09	0.0	3.35e-06	-3.53e-05
367	307	-0.02	0.11	-0.08	0.0	-8.68e-06	3.85e-06
367	310	-0.02	0.07	-0.09	0.0	-8.79e-06	3.76e-06
368	44	-1.52	0.16	-0.10	0.0	5.07e-05	-2.61e-04
368	68	-0.03	0.42	-0.08	0.0	-1.34e-05	6.87e-06
368	76	-0.03	0.04	-0.12	0.0	-1.69e-05	7.01e-06
368	124	-2.82	-0.70	-0.11	0.0	-1.36e-03	-4.61e-05
368	129	1.27	3.35	0.15	0.0	6.16e-04	1.28e-04
368	132	-1.31	-3.21	-0.28	0.0	-6.34e-04	-1.20e-04
368	156	-3.17	-0.80	-0.12	0.0	-1.53e-03	-5.23e-05
368	161	1.43	3.79	0.18	0.0	6.95e-04	1.44e-04
368	164	-1.47	-3.65	-0.30	0.0	-7.13e-04	-1.36e-04
368	188	-3.12	-0.84	-0.12	0.0	-1.51e-03	-5.23e-05
368	193	1.43	3.93	0.19	0.0	6.91e-04	1.46e-04
368	196	-1.46	-3.79	-0.31	0.0	-7.10e-04	-1.39e-04
368	220	-3.63	-1.04	-0.14	0.0	-1.76e-03	-6.32e-05
368	225	1.68	4.72	0.24	0.0	8.14e-04	1.74e-04
368	228	-1.72	-4.58	-0.36	0.0	-8.32e-04	-1.67e-04
368	264	-1.01	0.11	-0.07	0.0	3.34e-05	-1.73e-04
368	276	-0.02	0.28	-0.06	0.0	-9.39e-06	4.78e-06
368	280	-0.02	0.03	-0.08	0.0	-1.17e-05	4.87e-06
368	298	-0.02	0.07	-0.07	0.0	-9.60e-06	4.09e-06
368	305	-0.22	0.07	-0.06	0.0	0.0	-3.17e-05
368	307	-0.02	0.11	-0.06	0.0	-8.96e-06	3.94e-06
368	310	-0.02	0.07	-0.06	0.0	-9.08e-06	3.85e-06
369	44	-1.47	0.19	-0.18	0.0	4.80e-04	-2.27e-04
369	68	-0.03	0.52	-0.13	0.0	-1.37e-05	6.73e-06
369	76	-0.04	0.04	-0.24	0.0	-1.69e-05	7.12e-06
369	124	-3.50	-0.89	-0.25	0.0	-1.34e-03	-5.31e-05
369	129	1.63	4.23	0.42	0.0	6.20e-04	1.51e-04
369	132	-1.68	-4.07	-0.67	0.0	-6.39e-04	-1.43e-04
369	156	-3.93	-1.02	-0.27	0.0	-1.50e-03	-6.03e-05
369	161	1.84	4.78	0.49	0.0	7.00e-04	1.70e-04
369	164	-1.88	-4.62	-0.74	0.0	-7.18e-04	-1.62e-04
369	188	-3.88	-1.07	-0.28	0.0	-1.48e-03	-6.07e-05
369	193	1.84	4.96	0.52	0.0	6.98e-04	1.74e-04
369	196	-1.88	-4.80	-0.76	0.0	-7.16e-04	-1.66e-04
369	212	-4.52	-2.94	-0.52	0.0	-1.72e-03	-1.64e-04
369	225	2.17	5.96	0.65	0.0	8.22e-04	2.07e-04
369	228	-2.21	-5.80	-0.90	0.0	-8.41e-04	-1.99e-04
369	264	-0.98	0.13	-0.13	0.0	3.20e-04	-1.51e-04
369	276	-0.02	0.35	-0.10	0.0	-9.55e-06	4.69e-06
369	280	-0.03	0.03	-0.17	0.0	-1.17e-05	4.94e-06
369	298	-0.02	0.09	-0.13	0.0	-9.64e-06	4.11e-06
369	305	-0.21	0.09	-0.12	0.0	5.68e-05	-2.73e-05

369	307	-0.02	0.13	-0.12	0.0	-9.03e-06	3.94e-06
369	310	-0.02	0.08	-0.12	0.0	-9.12e-06	3.87e-06
370	44	-1.36	0.19	-0.13	0.0	4.16e-04	-2.00e-04
370	68	-0.03	0.52	-0.10	0.0	-1.36e-05	6.88e-06
370	76	-0.04	0.04	-0.16	0.0	-1.70e-05	7.25e-06
370	124	-3.50	-0.89	-0.15	0.0	-1.34e-03	-5.24e-05
370	129	1.58	4.23	0.19	0.0	6.06e-04	1.52e-04
370	132	-1.62	-4.07	-0.36	0.0	-6.24e-04	-1.44e-04
370	156	-3.93	-1.02	-0.16	0.0	-1.51e-03	-5.95e-05
370	161	1.78	4.78	0.23	0.0	6.83e-04	1.71e-04
370	164	-1.82	-4.62	-0.39	0.0	-7.01e-04	-1.63e-04
370	188	-3.87	-1.07	-0.16	0.0	-1.49e-03	-5.99e-05
370	193	1.77	4.96	0.24	0.0	6.80e-04	1.74e-04
370	196	-1.81	-4.80	-0.41	0.0	-6.98e-04	-1.66e-04
370	220	-4.50	-1.31	-0.18	0.0	-1.73e-03	-7.21e-05
370	225	2.08	5.96	0.31	0.0	8.00e-04	2.08e-04
370	228	-2.13	-5.80	-0.47	0.0	-8.19e-04	-2.00e-04
370	264	-0.91	0.13	-0.09	0.0	2.77e-04	-1.33e-04
370	276	-0.02	0.35	-0.07	0.0	-9.48e-06	4.79e-06
370	280	-0.03	0.03	-0.11	0.0	-1.18e-05	5.03e-06
370	298	-0.02	0.09	-0.09	0.0	-9.67e-06	4.19e-06
370	305	-0.20	0.09	-0.08	0.0	4.82e-05	-2.36e-05
370	307	-0.02	0.13	-0.08	0.0	-9.03e-06	4.02e-06
370	310	-0.02	0.08	-0.08	0.0	-9.14e-06	3.94e-06
371	44	-1.37	0.15	-0.10	0.0	1.84e-05	-2.98e-04
371	68	-0.03	0.41	-0.09	0.0	-1.39e-05	7.63e-06
371	76	-0.04	0.04	-0.12	0.0	-1.76e-05	7.68e-06
371	124	-2.82	-0.70	-0.10	0.0	-1.37e-03	-4.43e-05
371	129	1.23	3.35	0.09	0.0	5.98e-04	1.30e-04
371	132	-1.27	-3.21	-0.22	0.0	-6.17e-04	-1.22e-04
371	156	-3.17	-0.80	-0.10	0.0	-1.54e-03	-5.05e-05
371	161	1.38	3.78	0.11	0.0	6.74e-04	1.47e-04
371	164	-1.42	-3.65	-0.24	0.0	-6.93e-04	-1.38e-04
371	188	-3.12	-0.84	-0.10	0.0	-1.51e-03	-5.04e-05
371	193	1.37	3.92	0.12	0.0	6.70e-04	1.50e-04
371	196	-1.41	-3.79	-0.25	0.0	-6.88e-04	-1.41e-04
371	220	-3.62	-1.04	-0.11	0.0	-1.76e-03	-6.10e-05
371	225	1.61	4.72	0.15	0.0	7.87e-04	1.78e-04
371	228	-1.65	-4.58	-0.29	0.0	-8.06e-04	-1.70e-04
371	264	-0.92	0.11	-0.07	0.0	1.18e-05	-1.98e-04
371	276	-0.02	0.28	-0.07	0.0	-9.71e-06	5.31e-06
371	280	-0.03	0.03	-0.09	0.0	-1.22e-05	5.34e-06
371	298	-0.02	0.07	-0.07	0.0	-9.95e-06	4.49e-06
371	305	-0.20	0.07	-0.07	0.0	-4.98e-06	-3.64e-05
371	307	-0.02	0.11	-0.06	0.0	-9.28e-06	4.35e-06
371	310	-0.02	0.07	-0.07	0.0	-9.41e-06	4.23e-06
372	44	-1.25	0.19	-0.14	0.0	3.36e-04	-2.29e-04
372	68	-0.04	0.52	-0.12	0.0	-1.34e-05	7.53e-06
372	76	-0.05	0.04	-0.16	0.0	-1.71e-05	7.84e-06
372	124	-3.49	-0.89	-0.13	0.0	-1.35e-03	-4.98e-05
372	129	1.52	4.22	0.11	0.0	5.90e-04	1.54e-04
372	132	-1.57	-4.07	-0.28	0.0	-6.08e-04	-1.45e-04
372	156	-3.93	-1.02	-0.13	0.0	-1.51e-03	-5.66e-05
372	161	1.72	4.78	0.13	0.0	6.65e-04	1.73e-04
372	164	-1.77	-4.62	-0.31	0.0	-6.83e-04	-1.65e-04
372	188	-3.87	-1.07	-0.14	0.0	-1.49e-03	-5.70e-05
372	193	1.71	4.95	0.14	0.0	6.61e-04	1.77e-04
372	196	-1.76	-4.79	-0.32	0.0	-6.79e-04	-1.68e-04
372	220	-4.49	-1.32	-0.15	0.0	-1.73e-03	-6.88e-05
372	225	2.01	5.95	0.19	0.0	7.77e-04	2.11e-04
372	228	-2.05	-5.79	-0.36	0.0	-7.95e-04	-2.02e-04
372	264	-0.83	0.13	-0.10	0.0	2.24e-04	-1.53e-04
372	276	-0.03	0.35	-0.09	0.0	-9.34e-06	5.24e-06
372	280	-0.03	0.03	-0.12	0.0	-1.18e-05	5.45e-06
372	298	-0.03	0.09	-0.09	0.0	-9.67e-06	4.55e-06
372	305	-0.19	0.09	-0.09	0.0	3.76e-05	-2.72e-05
372	307	-0.02	0.13	-0.09	0.0	-9.01e-06	4.37e-06
372	310	-0.02	0.08	-0.09	0.0	-9.15e-06	4.28e-06
373	44	-1.19	0.15	-0.10	0.0	-2.16e-05	-3.80e-04
373	68	-0.03	0.41	-0.10	0.0	-1.43e-05	8.83e-06
373	76	-0.04	0.03	-0.12	0.0	-1.82e-05	8.74e-06
373	123	-2.81	1.13	-0.03	0.0	-1.24e-03	1.87e-05
373	129	0.29	3.35	-4.11e-03	0.0	5.83e-04	1.35e-04
373	130	1.19	-2.74	-0.14	0.0	1.38e-04	-7.30e-05
373	155	-3.16	1.27	-0.02	0.0	-1.39e-03	2.07e-05

373	161	0.32	3.78	4.09e-03	0.0	6.57e-04	1.52e-04
373	162	1.34	-3.12	-0.15	0.0	1.56e-04	-8.34e-05
373	187	-3.11	1.31	-0.02	0.0	-1.37e-03	2.30e-05
373	193	0.31	3.92	7.00e-03	0.0	6.51e-04	1.55e-04
373	194	1.32	-3.24	-0.15	0.0	1.48e-04	-8.74e-05
373	219	-3.61	1.56	-0.01	0.0	-1.59e-03	2.72e-05
373	225	0.36	4.71	0.02	0.0	7.64e-04	1.84e-04
373	226	1.55	-3.92	-0.17	0.0	1.71e-04	-1.07e-04
373	264	-0.79	0.10	-0.07	0.0	-1.49e-05	-2.53e-04
373	276	-0.02	0.28	-0.07	0.0	-1.00e-05	6.13e-06
373	280	-0.03	0.03	-0.08	0.0	-1.26e-05	6.07e-06
373	298	-0.02	0.07	-0.07	0.0	-1.03e-05	5.14e-06
373	305	-0.18	0.07	-0.07	0.0	-1.06e-05	-4.69e-05
373	307	-0.02	0.11	-0.06	0.0	-9.60e-06	4.98e-06
373	310	-0.02	0.07	-0.07	0.0	-9.74e-06	4.83e-06
374	44	-1.11	0.18	-0.13	0.0	2.36e-04	-2.94e-04
374	68	-0.04	0.51	-0.13	0.0	-1.28e-05	8.69e-06
374	76	-0.05	0.03	-0.16	0.0	-1.69e-05	8.92e-06
374	123	-3.49	1.42	-0.04	0.0	-1.22e-03	2.77e-05
374	129	0.36	4.22	-0.01	0.0	5.78e-04	1.58e-04
374	130	1.48	-3.47	-0.18	0.0	1.36e-04	-8.94e-05
374	155	-3.92	1.60	-0.03	0.0	-1.37e-03	3.09e-05
374	161	0.40	4.77	-2.06e-03	0.0	6.51e-04	1.77e-04
374	162	1.66	-3.94	-0.19	0.0	1.52e-04	-1.02e-04
374	187	-3.86	1.64	-0.03	0.0	-1.35e-03	3.31e-05
374	193	0.38	4.95	1.53e-03	0.0	6.45e-04	1.81e-04
374	194	1.65	-4.10	-0.19	0.0	1.45e-04	-1.07e-04
374	219	-4.49	1.96	-0.02	0.0	-1.57e-03	3.92e-05
374	225	0.44	5.95	0.02	0.0	7.58e-04	2.16e-04
374	226	1.93	-4.96	-0.22	0.0	1.67e-04	-1.30e-04
374	264	-0.74	0.13	-0.09	0.0	1.57e-04	-1.96e-04
374	276	-0.03	0.35	-0.09	0.0	-8.99e-06	6.05e-06
374	280	-0.03	0.03	-0.11	0.0	-1.17e-05	6.20e-06
374	298	-0.03	0.08	-0.09	0.0	-9.51e-06	5.20e-06
374	305	-0.17	0.09	-0.09	0.0	2.44e-05	-3.54e-05
374	307	-0.03	0.13	-0.09	0.0	-8.82e-06	5.01e-06
374	310	-0.03	0.08	-0.09	0.0	-9.00e-06	4.89e-06
375	4	0.22	0.11	-0.11	0.0	-1.61e-06	1.48e-04
375	44	-0.94	0.15	-0.09	0.0	-7.29e-05	-4.53e-04
375	68	-0.04	0.41	-0.10	0.0	-1.48e-05	9.49e-06
375	122	2.75	-1.00	-0.10	0.0	1.36e-03	-7.41e-06
375	123	-2.80	1.13	-0.02	0.0	-1.38e-03	1.77e-05
375	129	0.29	3.35	-0.05	0.0	1.43e-04	1.38e-04
375	154	3.09	-1.14	-0.11	0.0	1.53e-03	-9.33e-06
375	155	-3.15	1.27	-0.02	0.0	-1.55e-03	1.97e-05
375	161	0.33	3.78	-0.05	0.0	1.61e-04	1.55e-04
375	186	3.04	-1.17	-0.11	0.0	1.50e-03	-1.18e-05
375	187	-3.10	1.31	-0.02	0.0	-1.53e-03	2.21e-05
375	193	0.32	3.92	-0.05	0.0	1.55e-04	1.58e-04
375	218	3.54	-1.42	-0.11	0.0	1.75e-03	-1.60e-05
375	219	-3.60	1.55	-0.01	0.0	-1.77e-03	2.63e-05
375	225	0.37	4.71	-0.04	0.0	1.80e-04	1.89e-04
375	244	0.15	0.08	-0.08	0.0	-1.56e-06	9.90e-05
375	264	-0.63	0.10	-0.07	0.0	-4.91e-05	-3.02e-04
375	276	-0.03	0.28	-0.07	0.0	-1.04e-05	6.59e-06
375	298	-0.03	0.07	-0.07	0.0	-1.07e-05	5.49e-06
375	305	-0.15	0.07	-0.06	0.0	-1.77e-05	-5.63e-05
375	307	-0.03	0.11	-0.06	0.0	-9.99e-06	5.33e-06
375	310	-0.03	0.07	-0.06	0.0	-1.02e-05	5.16e-06
376	4	0.21	0.13	-0.15	0.0	-5.21e-05	1.19e-04
376	44	-0.92	0.18	-0.13	0.0	1.07e-04	-3.53e-04
376	68	-0.05	0.51	-0.13	0.0	-1.20e-05	9.75e-06
376	122	3.43	-1.26	-0.13	0.0	1.35e-03	-1.92e-05
376	123	-3.49	1.42	-0.04	0.0	-1.37e-03	3.02e-05
376	129	0.36	4.22	-0.07	0.0	1.41e-04	1.61e-04
376	154	3.86	-1.44	-0.14	0.0	1.52e-03	-2.27e-05
376	155	-3.92	1.59	-0.03	0.0	-1.53e-03	3.37e-05
376	161	0.41	4.77	-0.07	0.0	1.58e-04	1.81e-04
376	186	3.79	-1.49	-0.14	0.0	1.49e-03	-2.52e-05
376	187	-3.85	1.64	-0.03	0.0	-1.51e-03	3.61e-05
376	193	0.40	4.95	-0.07	0.0	1.52e-04	1.84e-04
376	218	4.42	-1.80	-0.15	0.0	1.74e-03	-3.19e-05
376	219	-4.48	1.96	-0.02	0.0	-1.75e-03	4.28e-05
376	225	0.46	5.95	-0.06	0.0	1.76e-04	2.20e-04
376	244	0.14	0.09	-0.11	0.0	-3.52e-05	7.95e-05

376	264	-0.61	0.13	-0.09	0.0	7.07e-05	-2.35e-04
376	276	-0.03	0.35	-0.09	0.0	-8.45e-06	6.78e-06
376	298	-0.03	0.08	-0.09	0.0	-9.23e-06	5.82e-06
376	305	-0.15	0.09	-0.08	0.0	7.33e-06	-4.27e-05
376	307	-0.03	0.13	-0.08	0.0	-8.50e-06	5.62e-06
376	310	-0.03	0.08	-0.08	0.0	-8.73e-06	5.48e-06
377	4	0.13	0.11	-0.11	0.0	1.38e-05	1.29e-04
377	44	-0.66	0.15	-0.09	0.0	-1.30e-04	-3.96e-04
377	68	-0.05	0.41	-0.09	0.0	-1.58e-05	7.54e-06
377	121	2.49	0.83	-0.13	0.0	1.24e-03	5.11e-05
377	123	-2.79	1.13	-2.16e-03	0.0	-1.39e-03	1.84e-05
377	129	0.29	3.35	-0.10	0.0	1.45e-04	1.33e-04
377	153	2.80	0.93	-0.14	0.0	1.40e-03	5.70e-05
377	155	-3.13	1.27	4.95e-03	0.0	-1.56e-03	2.05e-05
377	161	0.33	3.78	-0.10	0.0	1.64e-04	1.50e-04
377	185	2.75	0.98	-0.14	0.0	1.37e-03	5.68e-05
377	187	-3.08	1.31	3.55e-03	0.0	-1.53e-03	2.28e-05
377	193	0.32	3.92	-0.10	0.0	1.59e-04	1.53e-04
377	217	3.20	1.17	-0.15	0.0	1.60e-03	6.67e-05
377	219	-3.58	1.55	0.01	0.0	-1.78e-03	2.74e-05
377	225	0.38	4.71	-0.11	0.0	1.86e-04	1.82e-04
377	244	0.09	0.08	-0.08	0.0	8.67e-06	8.59e-05
377	264	-0.44	0.10	-0.06	0.0	-8.69e-05	-2.64e-04
377	276	-0.03	0.28	-0.07	0.0	-1.11e-05	5.23e-06
377	298	-0.03	0.07	-0.06	0.0	-1.15e-05	4.41e-06
377	305	-0.11	0.07	-0.06	0.0	-2.58e-05	-4.95e-05
377	307	-0.03	0.11	-0.06	0.0	-1.07e-05	4.27e-06
377	310	-0.03	0.07	-0.06	0.0	-1.08e-05	4.14e-06
378	4	0.13	0.13	-0.15	0.0	-8.43e-06	1.05e-04
378	44	-0.70	0.18	-0.11	0.0	-3.78e-05	-3.11e-04
378	68	-0.05	0.51	-0.13	0.0	-1.14e-05	8.62e-06
378	121	3.11	1.04	-0.17	0.0	1.24e-03	5.30e-05
378	123	-3.48	1.42	-7.71e-03	0.0	-1.38e-03	3.03e-05
378	129	0.37	4.22	-0.13	0.0	1.44e-04	1.57e-04
378	153	3.50	1.17	-0.18	0.0	1.39e-03	5.91e-05
378	155	-3.91	1.59	1.19e-03	0.0	-1.55e-03	3.38e-05
378	161	0.41	4.77	-0.13	0.0	1.62e-04	1.77e-04
378	185	3.44	1.23	-0.18	0.0	1.37e-03	5.91e-05
378	187	-3.85	1.64	-5.51e-04	0.0	-1.52e-03	3.62e-05
378	193	0.40	4.95	-0.13	0.0	1.57e-04	1.81e-04
378	217	4.00	1.47	-0.19	0.0	1.59e-03	6.95e-05
378	219	-4.47	1.95	0.01	0.0	-1.77e-03	4.31e-05
378	225	0.47	5.95	-0.14	0.0	1.82e-04	2.15e-04
378	244	0.09	0.09	-0.10	0.0	-6.03e-06	7.02e-05
378	264	-0.47	0.12	-0.08	0.0	-2.56e-05	-2.07e-04
378	276	-0.04	0.34	-0.09	0.0	-8.01e-06	6.01e-06
378	298	-0.04	0.08	-0.08	0.0	-9.06e-06	5.26e-06
378	305	-0.12	0.08	-0.08	0.0	-1.18e-05	-3.76e-05
378	307	-0.03	0.13	-0.08	0.0	-8.29e-06	5.05e-06
378	310	-0.03	0.08	-0.08	0.0	-8.57e-06	4.95e-06
379	4	0.06	0.11	-0.11	0.0	2.34e-05	6.95e-06
379	44	-0.43	0.15	-0.07	0.0	-1.67e-04	-1.76e-05
379	68	-0.05	0.41	-0.10	0.0	-1.68e-05	0.0
379	121	2.49	0.83	-0.27	0.0	1.25e-03	1.50e-05
379	123	-2.79	1.13	0.11	0.0	-1.40e-03	3.96e-05
379	129	0.29	3.35	-0.19	0.0	1.44e-04	1.13e-04
379	153	2.80	0.93	-0.30	0.0	1.41e-03	1.70e-05
379	155	-3.13	1.27	0.13	0.0	-1.57e-03	4.45e-05
379	161	0.32	3.78	-0.20	0.0	1.63e-04	1.27e-04
379	185	2.75	0.98	-0.29	0.0	1.38e-03	1.84e-05
379	187	-3.08	1.30	0.12	0.0	-1.54e-03	4.47e-05
379	193	0.32	3.92	-0.20	0.0	1.60e-04	1.29e-04
379	217	3.20	1.17	-0.33	0.0	1.61e-03	2.24e-05
379	219	-3.57	1.55	0.15	0.0	-1.79e-03	5.31e-05
379	225	0.38	4.71	-0.23	0.0	1.88e-04	1.55e-04
379	244	0.04	0.08	-0.08	0.0	1.50e-05	4.66e-06
379	264	-0.29	0.10	-0.05	0.0	-1.12e-04	-1.17e-05
379	276	-0.03	0.28	-0.07	0.0	-1.18e-05	0.0
379	298	-0.03	0.07	-0.06	0.0	-1.23e-05	0.0
379	305	-0.08	0.07	-0.06	0.0	-3.15e-05	-1.79e-06
379	307	-0.03	0.11	-0.06	0.0	-1.14e-05	0.0
379	310	-0.03	0.06	-0.06	0.0	-1.16e-05	0.0
380	4	0.07	0.13	-0.14	0.0	1.97e-05	4.38e-06
380	44	-0.51	0.18	-0.09	0.0	-1.33e-04	-1.00e-05
380	68	-0.06	0.51	-0.13	0.0	-1.15e-05	0.0

380	121	3.11	1.04	-0.32	0.0	1.25e-03	1.99e-05
380	123	-3.49	1.41	0.11	0.0	-1.39e-03	4.67e-05
380	129	0.36	4.22	-0.23	0.0	1.44e-04	1.39e-04
380	153	3.50	1.17	-0.35	0.0	1.40e-03	2.26e-05
380	155	-3.91	1.59	0.13	0.0	-1.56e-03	5.25e-05
380	161	0.41	4.77	-0.25	0.0	1.63e-04	1.56e-04
380	185	3.44	1.23	-0.35	0.0	1.38e-03	2.41e-05
380	187	-3.85	1.64	0.13	0.0	-1.53e-03	5.29e-05
380	193	0.40	4.95	-0.25	0.0	1.59e-04	1.59e-04
380	217	4.01	1.47	-0.39	0.0	1.60e-03	2.94e-05
380	219	-4.47	1.95	0.16	0.0	-1.78e-03	6.28e-05
380	225	0.47	5.95	-0.28	0.0	1.86e-04	1.90e-04
380	244	0.04	0.09	-0.10	0.0	1.27e-05	2.95e-06
380	264	-0.34	0.12	-0.07	0.0	-8.93e-05	-6.65e-06
380	276	-0.04	0.34	-0.09	0.0	-8.08e-06	0.0
380	298	-0.04	0.08	-0.08	0.0	-9.31e-06	0.0
380	305	-0.10	0.08	-0.07	0.0	-2.47e-05	0.0
380	307	-0.04	0.13	-0.08	0.0	-8.49e-06	0.0
380	310	-0.04	0.08	-0.08	0.0	-8.81e-06	0.0
381	44	-1.12	0.22	-0.26	0.0	7.51e-04	-1.30e-04
381	68	-0.04	0.61	-0.21	0.0	-1.41e-05	6.29e-06
381	76	-0.05	0.04	-0.34	0.0	-1.73e-05	6.93e-06
381	124	-4.09	-1.06	-0.30	0.0	-1.32e-03	-1.24e-05
381	129	1.91	5.03	0.37	0.0	6.12e-04	1.72e-04
381	132	-1.96	-4.84	-0.72	0.0	-6.31e-04	-1.64e-04
381	156	-4.60	-1.22	-0.32	0.0	-1.48e-03	-1.47e-05
381	161	2.15	5.68	0.44	0.0	6.90e-04	1.94e-04
381	164	-2.20	-5.50	-0.79	0.0	-7.09e-04	-1.86e-04
381	188	-4.53	-1.28	-0.33	0.0	-1.46e-03	-1.66e-05
381	193	2.15	5.90	0.47	0.0	6.88e-04	1.97e-04
381	196	-2.20	-5.71	-0.81	0.0	-7.07e-04	-1.90e-04
381	212	-5.29	-3.51	-0.57	0.0	-1.70e-03	-1.84e-04
381	225	2.53	7.08	0.60	0.0	8.11e-04	2.35e-04
381	228	-2.58	-6.90	-0.95	0.0	-8.30e-04	-2.28e-04
381	264	-0.74	0.15	-0.18	0.0	5.00e-04	-8.65e-05
381	276	-0.03	0.41	-0.15	0.0	-9.85e-06	4.39e-06
381	280	-0.03	0.03	-0.23	0.0	-1.20e-05	4.81e-06
381	298	-0.03	0.10	-0.18	0.0	-9.87e-06	3.96e-06
381	305	-0.17	0.10	-0.17	0.0	9.28e-05	-1.44e-05
381	307	-0.02	0.15	-0.17	0.0	-9.26e-06	3.77e-06
381	310	-0.02	0.09	-0.17	0.0	-9.33e-06	3.73e-06
382	44	-1.06	0.21	-0.17	0.0	6.63e-04	-1.11e-04
382	68	-0.04	0.61	-0.14	0.0	-1.37e-05	6.40e-06
382	76	-0.05	0.03	-0.21	0.0	-1.71e-05	7.02e-06
382	124	-4.09	-1.06	-0.19	0.0	-1.33e-03	-1.31e-05
382	129	1.85	5.02	0.22	0.0	5.99e-04	1.72e-04
382	132	-1.90	-4.84	-0.45	0.0	-6.17e-04	-1.65e-04
382	156	-4.60	-1.22	-0.20	0.0	-1.49e-03	-1.55e-05
382	161	2.08	5.68	0.27	0.0	6.75e-04	1.94e-04
382	164	-2.13	-5.50	-0.49	0.0	-6.93e-04	-1.87e-04
382	188	-4.53	-1.28	-0.20	0.0	-1.47e-03	-1.74e-05
382	193	2.07	5.89	0.28	0.0	6.72e-04	1.98e-04
382	196	-2.12	-5.71	-0.50	0.0	-6.90e-04	-1.90e-04
382	220	-5.27	-1.57	-0.22	0.0	-1.71e-03	-2.28e-05
382	225	2.44	7.08	0.36	0.0	7.91e-04	2.36e-04
382	228	-2.49	-6.90	-0.58	0.0	-8.09e-04	-2.29e-04
382	264	-0.71	0.15	-0.12	0.0	4.42e-04	-7.36e-05
382	276	-0.03	0.41	-0.10	0.0	-9.54e-06	4.46e-06
382	280	-0.03	0.03	-0.15	0.0	-1.18e-05	4.88e-06
382	298	-0.03	0.10	-0.12	0.0	-9.72e-06	4.02e-06
382	305	-0.16	0.10	-0.11	0.0	8.11e-05	-1.18e-05
382	307	-0.03	0.15	-0.11	0.0	-9.08e-06	3.83e-06
382	310	-0.03	0.09	-0.11	0.0	-9.19e-06	3.78e-06
383	44	-0.58	0.22	-0.40	0.0	-1.21e-03	2.02e-05
383	68	-0.04	0.69	-0.35	0.0	-5.82e-05	5.36e-06
383	76	-0.05	4.69e-03	-0.50	0.0	-7.34e-05	6.25e-06
383	124	-4.68	-1.25	-0.38	0.0	-1.50e-03	-9.19e-06
383	129	2.18	5.82	0.25	0.0	6.68e-04	1.91e-04
383	132	-2.24	-5.64	-0.77	0.0	-7.47e-04	-1.85e-04
383	156	-5.26	-1.43	-0.40	0.0	-1.68e-03	-1.11e-05
383	161	2.46	6.58	0.32	0.0	7.57e-04	2.16e-04
383	164	-2.52	-6.40	-0.84	0.0	-8.36e-04	-2.09e-04
383	188	-5.18	-1.51	-0.40	0.0	-1.66e-03	-1.32e-05
383	193	2.45	6.82	0.34	0.0	7.56e-04	2.20e-04
383	196	-2.51	-6.65	-0.86	0.0	-8.35e-04	-2.13e-04

383	212	-6.04	-4.09	-0.63	0.0	-1.95e-03	-2.02e-04
383	225	2.89	8.21	0.46	0.0	8.97e-04	2.62e-04
383	228	-2.95	-8.03	-0.98	0.0	-9.76e-04	-2.56e-04
383	264	-0.39	0.15	-0.28	0.0	-8.08e-04	1.36e-05
383	276	-0.03	0.46	-0.25	0.0	-4.08e-05	3.74e-06
383	280	-0.04	7.00e-03	-0.35	0.0	-5.09e-05	4.34e-06
383	298	-0.03	0.09	-0.28	0.0	-4.17e-05	3.52e-06
383	305	-0.10	0.10	-0.26	0.0	-1.92e-04	5.30e-06
383	307	-0.03	0.16	-0.25	0.0	-3.89e-05	3.32e-06
383	310	-0.03	0.09	-0.26	0.0	-3.95e-05	3.31e-06
384	44	-0.59	0.22	-0.25	0.0	-1.29e-03	1.60e-04
384	68	-0.05	0.68	-0.21	0.0	-5.93e-05	5.75e-06
384	76	-0.06	5.57e-03	-0.31	0.0	-7.42e-05	6.66e-06
384	124	-4.68	-1.25	-0.26	0.0	-1.43e-03	-1.42e-05
384	129	2.11	5.81	0.24	0.0	6.13e-04	1.96e-04
384	132	-2.17	-5.63	-0.56	0.0	-6.93e-04	-1.89e-04
384	156	-5.26	-1.43	-0.27	0.0	-1.60e-03	-1.68e-05
384	161	2.38	6.57	0.29	0.0	6.95e-04	2.20e-04
384	164	-2.44	-6.39	-0.62	0.0	-7.75e-04	-2.13e-04
384	188	-5.18	-1.50	-0.28	0.0	-1.58e-03	-1.89e-05
384	193	2.37	6.81	0.31	0.0	6.93e-04	2.25e-04
384	196	-2.43	-6.64	-0.64	0.0	-7.73e-04	-2.18e-04
384	220	-6.03	-1.84	-0.30	0.0	-1.83e-03	-2.47e-05
384	225	2.79	8.19	0.41	0.0	8.22e-04	2.68e-04
384	228	-2.85	-8.01	-0.73	0.0	-9.02e-04	-2.61e-04
384	264	-0.39	0.15	-0.17	0.0	-8.64e-04	1.07e-04
384	276	-0.03	0.46	-0.15	0.0	-4.16e-05	4.02e-06
384	280	-0.04	7.60e-03	-0.22	0.0	-5.15e-05	4.62e-06
384	298	-0.03	0.09	-0.17	0.0	-4.22e-05	3.76e-06
384	305	-0.10	0.10	-0.16	0.0	-2.04e-04	2.40e-05
384	307	-0.03	0.16	-0.16	0.0	-3.95e-05	3.54e-06
384	310	-0.03	0.09	-0.16	0.0	-4.00e-05	3.54e-06
385	44	-1.00	0.21	-0.18	0.0	5.54e-04	-1.28e-04
385	68	-0.04	0.60	-0.17	0.0	-1.31e-05	6.81e-06
385	76	-0.05	0.03	-0.22	0.0	-1.68e-05	7.41e-06
385	124	-4.09	-1.06	-0.17	0.0	-1.33e-03	-1.54e-05
385	129	1.79	5.01	0.11	0.0	5.85e-04	1.74e-04
385	132	-1.84	-4.84	-0.35	0.0	-6.03e-04	-1.66e-04
385	156	-4.60	-1.22	-0.17	0.0	-1.50e-03	-1.81e-05
385	161	2.01	5.67	0.14	0.0	6.59e-04	1.96e-04
385	164	-2.07	-5.49	-0.38	0.0	-6.77e-04	-1.88e-04
385	188	-4.53	-1.28	-0.17	0.0	-1.48e-03	-2.00e-05
385	193	2.00	5.88	0.15	0.0	6.55e-04	1.99e-04
385	196	-2.06	-5.71	-0.39	0.0	-6.72e-04	-1.91e-04
385	220	-5.27	-1.57	-0.19	0.0	-1.72e-03	-2.58e-05
385	225	2.35	7.07	0.20	0.0	7.70e-04	2.38e-04
385	228	-2.41	-6.89	-0.44	0.0	-7.88e-04	-2.30e-04
385	264	-0.67	0.14	-0.13	0.0	3.69e-04	-8.53e-05
385	276	-0.03	0.41	-0.12	0.0	-9.13e-06	4.74e-06
385	280	-0.04	0.02	-0.16	0.0	-1.16e-05	5.15e-06
385	298	-0.03	0.09	-0.13	0.0	-9.51e-06	4.25e-06
385	305	-0.16	0.10	-0.12	0.0	6.68e-05	-1.40e-05
385	307	-0.03	0.15	-0.12	0.0	-8.85e-06	4.05e-06
385	310	-0.03	0.09	-0.12	0.0	-8.99e-06	4.00e-06
386	44	-0.60	0.22	-0.27	0.0	-1.21e-03	-3.32e-06
386	68	-0.05	0.68	-0.25	0.0	-6.02e-05	5.71e-06
386	76	-0.06	6.45e-03	-0.33	0.0	-7.50e-05	6.63e-06
386	124	-4.69	-1.25	-0.23	0.0	-1.38e-03	-1.72e-05
386	129	2.05	5.80	0.09	0.0	5.73e-04	1.96e-04
386	132	-2.11	-5.62	-0.44	0.0	-6.53e-04	-1.89e-04
386	156	-5.27	-1.43	-0.24	0.0	-1.54e-03	-2.01e-05
386	161	2.31	6.56	0.12	0.0	6.49e-04	2.21e-04
386	164	-2.37	-6.38	-0.47	0.0	-7.30e-04	-2.14e-04
386	188	-5.19	-1.50	-0.24	0.0	-1.52e-03	-2.22e-05
386	193	2.29	6.80	0.13	0.0	6.46e-04	2.25e-04
386	196	-2.36	-6.63	-0.48	0.0	-7.27e-04	-2.18e-04
386	220	-6.03	-1.84	-0.25	0.0	-1.76e-03	-2.86e-05
386	225	2.69	8.18	0.19	0.0	7.66e-04	2.68e-04
386	228	-2.76	-8.00	-0.55	0.0	-8.47e-04	-2.61e-04
386	264	-0.40	0.15	-0.19	0.0	-8.11e-04	-2.03e-06
386	276	-0.03	0.46	-0.17	0.0	-4.22e-05	3.99e-06
386	280	-0.04	8.19e-03	-0.23	0.0	-5.20e-05	4.61e-06
386	298	-0.03	0.09	-0.19	0.0	-4.26e-05	3.74e-06
386	305	-0.11	0.10	-0.17	0.0	-1.94e-04	2.32e-06
386	307	-0.03	0.16	-0.17	0.0	-3.99e-05	3.53e-06

386	310	-0.03	0.09	-0.18	0.0	-4.04e-05	3.52e-06
387	44	-0.92	0.21	-0.18	0.0	4.15e-04	-1.66e-04
387	68	-0.05	0.60	-0.17	0.0	-1.19e-05	7.58e-06
387	76	-0.06	0.02	-0.22	0.0	-1.61e-05	8.17e-06
387	123	-4.10	1.68	-0.06	0.0	-1.21e-03	2.73e-05
387	129	0.42	5.01	-0.03	0.0	5.74e-04	1.76e-04
387	130	1.73	-4.13	-0.22	0.0	1.34e-04	-1.04e-04
387	155	-4.60	1.89	-0.05	0.0	-1.36e-03	3.05e-05
387	161	0.47	5.66	-0.02	0.0	6.46e-04	1.98e-04
387	162	1.95	-4.69	-0.24	0.0	1.50e-04	-1.18e-04
387	187	-4.53	1.94	-0.05	0.0	-1.34e-03	3.24e-05
387	193	0.44	5.87	-0.01	0.0	6.41e-04	2.02e-04
387	194	1.93	-4.88	-0.24	0.0	1.42e-04	-1.23e-04
387	219	-5.26	2.32	-0.04	0.0	-1.55e-03	3.89e-05
387	225	0.51	7.06	6.82e-03	0.0	7.53e-04	2.41e-04
387	226	2.27	-5.90	-0.27	0.0	1.64e-04	-1.50e-04
387	264	-0.61	0.14	-0.13	0.0	2.76e-04	-1.11e-04
387	276	-0.03	0.40	-0.12	0.0	-8.34e-06	5.28e-06
387	280	-0.04	0.02	-0.15	0.0	-1.11e-05	5.67e-06
387	298	-0.03	0.09	-0.12	0.0	-9.01e-06	4.70e-06
387	305	-0.15	0.09	-0.12	0.0	4.86e-05	-1.87e-05
387	307	-0.03	0.15	-0.12	0.0	-8.32e-06	4.49e-06
387	310	-0.03	0.09	-0.12	0.0	-8.52e-06	4.43e-06
388	44	-0.61	0.22	-0.27	0.0	-1.04e-03	-4.38e-05
388	68	-0.05	0.68	-0.26	0.0	-6.14e-05	5.60e-06
388	76	-0.06	7.09e-03	-0.32	0.0	-7.59e-05	6.56e-06
388	123	-4.69	1.93	-0.11	0.0	-1.19e-03	7.52e-05
388	129	0.47	5.79	-0.07	0.0	5.30e-04	1.96e-04
388	130	1.99	-4.79	-0.29	0.0	9.24e-05	-1.18e-04
388	155	-5.27	2.17	-0.10	0.0	-1.33e-03	8.44e-05
388	161	0.53	6.55	-0.06	0.0	6.01e-04	2.21e-04
388	162	2.24	-5.45	-0.31	0.0	1.08e-04	-1.34e-04
388	187	-5.19	2.24	-0.10	0.0	-1.31e-03	8.52e-05
388	193	0.51	6.79	-0.06	0.0	5.96e-04	2.25e-04
388	194	2.22	-5.66	-0.31	0.0	9.94e-05	-1.39e-04
388	219	-6.03	2.67	-0.09	0.0	-1.52e-03	1.01e-04
388	225	0.59	8.17	-0.03	0.0	7.07e-04	2.68e-04
388	226	2.61	-6.85	-0.34	0.0	1.19e-04	-1.69e-04
388	264	-0.41	0.15	-0.19	0.0	-6.98e-04	-2.90e-05
388	276	-0.04	0.46	-0.18	0.0	-4.30e-05	3.92e-06
388	280	-0.04	8.63e-03	-0.22	0.0	-5.27e-05	4.56e-06
388	298	-0.04	0.09	-0.18	0.0	-4.32e-05	3.69e-06
388	305	-0.11	0.10	-0.17	0.0	-1.71e-04	-3.11e-06
388	307	-0.03	0.16	-0.17	0.0	-4.05e-05	3.48e-06
388	310	-0.03	0.09	-0.17	0.0	-4.09e-05	3.48e-06
389	4	0.17	0.14	-0.21	0.0	-8.81e-05	7.23e-05
389	44	-0.81	0.21	-0.17	0.0	2.35e-04	-2.02e-04
389	68	-0.05	0.60	-0.17	0.0	-1.00e-05	8.46e-06
389	122	4.03	-1.51	-0.17	0.0	1.34e-03	-2.08e-05
389	123	-4.10	1.67	-0.06	0.0	-1.35e-03	3.07e-05
389	129	0.43	5.00	-0.09	0.0	1.39e-04	1.78e-04
389	154	4.53	-1.72	-0.18	0.0	1.51e-03	-2.44e-05
389	155	-4.60	1.88	-0.05	0.0	-1.52e-03	3.42e-05
389	161	0.48	5.66	-0.09	0.0	1.56e-04	2.00e-04
389	186	4.46	-1.77	-0.18	0.0	1.48e-03	-2.63e-05
389	187	-4.53	1.94	-0.05	0.0	-1.50e-03	3.62e-05
389	193	0.46	5.87	-0.09	0.0	1.50e-04	2.04e-04
389	218	5.19	-2.14	-0.19	0.0	1.73e-03	-3.34e-05
389	219	-5.26	2.31	-0.04	0.0	-1.74e-03	4.33e-05
389	225	0.54	7.06	-0.09	0.0	1.73e-04	2.43e-04
389	244	0.11	0.10	-0.14	0.0	-5.91e-05	4.85e-05
389	264	-0.54	0.14	-0.12	0.0	1.56e-04	-1.35e-04
389	276	-0.04	0.40	-0.12	0.0	-7.06e-06	5.90e-06
389	298	-0.04	0.09	-0.12	0.0	-8.13e-06	5.25e-06
389	305	-0.14	0.09	-0.11	0.0	2.52e-05	-2.31e-05
389	307	-0.03	0.15	-0.11	0.0	-7.42e-06	5.02e-06
389	310	-0.03	0.08	-0.11	0.0	-7.69e-06	4.94e-06
390	4	0.10	0.15	-0.30	0.0	1.45e-04	2.80e-05
390	44	-0.62	0.22	-0.25	0.0	-8.03e-04	-6.68e-05
390	68	-0.05	0.68	-0.26	0.0	-6.25e-05	5.34e-06
390	122	4.63	-1.75	-0.23	0.0	1.07e-03	-6.61e-05
390	123	-4.70	1.93	-0.10	0.0	-1.15e-03	7.28e-05
390	129	0.49	5.78	-0.14	0.0	4.91e-04	1.95e-04
390	154	5.21	-1.99	-0.24	0.0	1.20e-03	-7.51e-05
390	155	-5.28	2.17	-0.09	0.0	-1.29e-03	8.18e-05

390	161	0.55	6.54	-0.14	0.0	5.57e-04	2.20e-04
390	186	5.13	-2.06	-0.24	0.0	1.18e-03	-7.59e-05
390	187	-5.20	2.24	-0.09	0.0	-1.27e-03	8.26e-05
390	193	0.53	6.78	-0.14	0.0	5.51e-04	2.24e-04
390	218	5.97	-2.49	-0.25	0.0	1.38e-03	-9.08e-05
390	219	-6.04	2.67	-0.08	0.0	-1.46e-03	9.75e-05
390	225	0.62	8.15	-0.13	0.0	6.53e-04	2.68e-04
390	244	0.07	0.10	-0.21	0.0	9.47e-05	1.88e-05
390	264	-0.41	0.15	-0.18	0.0	-5.37e-04	-4.43e-05
390	276	-0.04	0.46	-0.18	0.0	-4.38e-05	3.74e-06
390	298	-0.04	0.09	-0.18	0.0	-4.37e-05	3.56e-06
390	305	-0.11	0.10	-0.16	0.0	-1.40e-04	-6.27e-06
390	307	-0.04	0.16	-0.17	0.0	-4.10e-05	3.34e-06
390	310	-0.04	0.09	-0.17	0.0	-4.14e-05	3.35e-06
391	4	0.12	0.14	-0.20	0.0	-2.43e-05	6.54e-05
391	44	-0.69	0.20	-0.15	0.0	3.09e-05	-1.81e-04
391	68	-0.06	0.60	-0.17	0.0	-7.61e-06	7.93e-06
391	121	3.66	1.23	-0.21	0.0	1.23e-03	6.16e-05
391	123	-4.10	1.67	-0.02	0.0	-1.37e-03	3.12e-05
391	129	0.43	5.00	-0.16	0.0	1.43e-04	1.76e-04
391	153	4.12	1.39	-0.22	0.0	1.38e-03	6.89e-05
391	155	-4.60	1.88	-0.01	0.0	-1.54e-03	3.48e-05
391	161	0.49	5.66	-0.17	0.0	1.61e-04	1.99e-04
391	185	4.05	1.45	-0.22	0.0	1.36e-03	6.96e-05
391	187	-4.53	1.94	-0.01	0.0	-1.51e-03	3.68e-05
391	193	0.47	5.87	-0.17	0.0	1.55e-04	2.02e-04
391	217	4.71	1.74	-0.24	0.0	1.58e-03	8.19e-05
391	219	-5.26	2.31	8.83e-05	0.0	-1.76e-03	4.40e-05
391	225	0.55	7.05	-0.18	0.0	1.80e-04	2.41e-04
391	244	0.08	0.10	-0.14	0.0	-1.65e-05	4.39e-05
391	264	-0.46	0.14	-0.11	0.0	2.03e-05	-1.20e-04
391	276	-0.04	0.40	-0.12	0.0	-5.37e-06	5.54e-06
391	298	-0.04	0.09	-0.11	0.0	-6.91e-06	5.05e-06
391	305	-0.12	0.09	-0.11	0.0	-1.06e-06	-2.04e-05
391	307	-0.04	0.15	-0.11	0.0	-6.18e-06	4.81e-06
391	310	-0.04	0.08	-0.11	0.0	-6.55e-06	4.76e-06
392	4	0.10	0.15	-0.29	0.0	5.65e-05	2.67e-05
392	44	-0.62	0.22	-0.23	0.0	-5.12e-04	-6.86e-05
392	68	-0.06	0.68	-0.25	0.0	-6.40e-05	3.90e-06
392	121	4.21	1.42	-0.27	0.0	1.13e-03	2.89e-05
392	123	-4.71	1.92	-0.06	0.0	-1.11e-03	6.92e-05
392	129	0.50	5.77	-0.22	0.0	4.54e-04	1.94e-04
392	153	4.74	1.60	-0.29	0.0	1.28e-03	3.25e-05
392	155	-5.29	2.17	-0.05	0.0	-1.24e-03	7.78e-05
392	161	0.56	6.53	-0.23	0.0	5.16e-04	2.19e-04
392	185	4.66	1.67	-0.28	0.0	1.26e-03	3.45e-05
392	187	-5.21	2.23	-0.05	0.0	-1.22e-03	7.86e-05
392	193	0.54	6.78	-0.23	0.0	5.09e-04	2.23e-04
392	217	5.42	2.01	-0.31	0.0	1.47e-03	4.18e-05
392	219	-6.05	2.66	-0.03	0.0	-1.41e-03	9.30e-05
392	225	0.64	8.15	-0.24	0.0	6.02e-04	2.67e-04
392	244	0.06	0.10	-0.20	0.0	3.54e-05	1.80e-05
392	264	-0.42	0.15	-0.16	0.0	-3.44e-04	-4.56e-05
392	276	-0.04	0.46	-0.17	0.0	-4.49e-05	2.73e-06
392	298	-0.04	0.09	-0.16	0.0	-4.45e-05	2.75e-06
392	305	-0.11	0.10	-0.15	0.0	-1.02e-04	-7.12e-06
392	307	-0.04	0.16	-0.16	0.0	-4.18e-05	2.55e-06
392	310	-0.04	0.09	-0.16	0.0	-4.21e-05	2.58e-06
393	4	0.08	0.14	-0.19	0.0	2.13e-05	0.0
393	44	-0.58	0.20	-0.13	0.0	-1.10e-04	0.0
393	68	-0.06	0.60	-0.17	0.0	-4.80e-06	0.0
393	121	3.67	1.23	-0.36	0.0	1.24e-03	2.43e-05
393	123	-4.11	1.67	0.10	0.0	-1.37e-03	5.28e-05
393	129	0.42	5.00	-0.27	0.0	1.45e-04	1.62e-04
393	153	4.13	1.39	-0.40	0.0	1.40e-03	2.76e-05
393	155	-4.61	1.88	0.13	0.0	-1.54e-03	5.96e-05
393	161	0.48	5.66	-0.29	0.0	1.64e-04	1.83e-04
393	185	4.06	1.45	-0.40	0.0	1.37e-03	2.93e-05
393	187	-4.54	1.94	0.12	0.0	-1.52e-03	6.00e-05
393	193	0.47	5.87	-0.29	0.0	1.59e-04	1.86e-04
393	217	4.73	1.74	-0.44	0.0	1.60e-03	3.58e-05
393	219	-5.27	2.31	0.16	0.0	-1.77e-03	7.13e-05
393	225	0.55	7.05	-0.33	0.0	1.85e-04	2.22e-04
393	244	0.05	0.10	-0.13	0.0	1.40e-05	0.0
393	264	-0.39	0.14	-0.09	0.0	-7.36e-05	0.0

393	276	-0.04	0.40	-0.12	0.0	-3.40e-06	0.0
393	298	-0.04	0.09	-0.11	0.0	-5.37e-06	0.0
393	305	-0.11	0.09	-0.10	0.0	-1.87e-05	0.0
393	307	-0.04	0.14	-0.10	0.0	-4.65e-06	0.0
393	310	-0.04	0.08	-0.10	0.0	-5.08e-06	0.0
394	4	0.10	0.14	-0.25	0.0	-2.52e-05	1.28e-05
394	44	-0.63	0.22	-0.18	0.0	-2.55e-04	-3.79e-05
394	68	-0.06	0.68	-0.22	0.0	-6.75e-05	0.0
394	121	4.23	1.42	-0.42	0.0	9.97e-04	2.85e-05
394	123	-4.72	1.92	0.08	0.0	-1.19e-03	6.11e-05
394	129	0.49	5.77	-0.32	0.0	8.51e-05	1.87e-04
394	153	4.76	1.60	-0.45	0.0	1.13e-03	3.23e-05
394	155	-5.30	2.16	0.11	0.0	-1.33e-03	6.89e-05
394	161	0.56	6.53	-0.34	0.0	1.01e-04	2.11e-04
394	185	4.68	1.67	-0.45	0.0	1.11e-03	3.42e-05
394	187	-5.21	2.23	0.10	0.0	-1.31e-03	6.95e-05
394	193	0.54	6.77	-0.35	0.0	9.71e-05	2.15e-04
394	217	5.44	2.01	-0.50	0.0	1.29e-03	4.18e-05
394	219	-6.05	2.66	0.14	0.0	-1.51e-03	8.26e-05
394	225	0.64	8.14	-0.39	0.0	1.20e-04	2.57e-04
394	244	0.06	0.10	-0.18	0.0	-1.92e-05	8.52e-06
394	264	-0.42	0.15	-0.13	0.0	-1.72e-04	-2.53e-05
394	276	-0.04	0.46	-0.16	0.0	-4.74e-05	0.0
394	298	-0.04	0.09	-0.14	0.0	-4.65e-05	0.0
394	305	-0.11	0.10	-0.13	0.0	-6.88e-05	-4.60e-06
394	307	-0.04	0.16	-0.14	0.0	-4.38e-05	0.0
394	310	-0.04	0.09	-0.13	0.0	-4.41e-05	0.0
395	44	-0.18	0.04	-0.02	0.0	-2.98e-04	1.11e-04
395	52	-0.02	0.08	-0.02	0.0	-2.99e-05	-1.13e-06
395	68	-0.01	0.10	-0.02	0.0	-2.60e-05	-1.20e-06
395	123	-0.69	0.27	4.76e-03	0.0	-1.39e-03	2.06e-05
395	129	0.07	0.80	-0.05	0.0	1.39e-04	1.49e-05
395	155	-0.78	0.30	6.95e-03	0.0	-1.56e-03	2.33e-05
395	161	0.08	0.90	-0.06	0.0	1.58e-04	1.69e-05
395	187	-0.76	0.31	6.04e-03	0.0	-1.54e-03	2.30e-05
395	193	0.08	0.93	-0.06	0.0	1.55e-04	1.74e-05
395	219	-0.89	0.37	8.73e-03	0.0	-1.78e-03	2.70e-05
395	225	0.09	1.12	-0.07	0.0	1.84e-04	2.10e-05
395	264	-0.12	0.03	-0.01	0.0	-2.00e-04	7.38e-05
395	268	-0.01	0.05	-0.02	0.0	-2.07e-05	0.0
395	276	-9.89e-03	0.07	-0.02	0.0	-1.81e-05	0.0
395	298	-9.01e-03	0.02	-0.01	0.0	-1.68e-05	0.0
395	305	-0.03	0.02	-0.01	0.0	-5.22e-05	1.44e-05
395	307	-8.60e-03	0.03	-0.01	0.0	-1.60e-05	0.0
395	310	-8.50e-03	0.02	-0.01	0.0	-1.58e-05	0.0
396	1	0.0	0.0	0.0	0.0	7.23e-05	-5.71e-06
396	113	0.0	0.0	0.0	0.0	1.10e-03	-1.01e-06
396	145	0.0	0.0	0.0	0.0	1.24e-03	-1.11e-06
396	177	0.0	0.0	0.0	0.0	1.22e-03	-1.04e-06
396	209	0.0	0.0	0.0	0.0	1.42e-03	-1.19e-06
396	241	0.0	0.0	0.0	0.0	4.74e-05	-3.81e-06
396	297	0.0	0.0	0.0	0.0	-1.04e-05	0.0
396	309	0.0	0.0	0.0	0.0	-1.04e-05	0.0
397	44	-0.32	0.08	-0.03	0.0	-2.58e-04	1.88e-04
397	52	-0.03	0.16	-0.05	0.0	-2.74e-05	-1.36e-06
397	68	-0.03	0.21	-0.05	0.0	-2.36e-05	-1.53e-06
397	123	-1.39	0.55	0.01	0.0	-1.40e-03	3.45e-05
397	129	0.14	1.63	-0.10	0.0	1.41e-04	3.08e-05
397	155	-1.56	0.62	0.02	0.0	-1.57e-03	3.89e-05
397	161	0.16	1.84	-0.11	0.0	1.60e-04	3.49e-05
397	187	-1.54	0.64	0.01	0.0	-1.54e-03	3.85e-05
397	193	0.15	1.91	-0.12	0.0	1.57e-04	3.58e-05
397	219	-1.78	0.76	0.02	0.0	-1.79e-03	4.54e-05
397	225	0.18	2.29	-0.13	0.0	1.86e-04	4.33e-05
397	264	-0.21	0.05	-0.02	0.0	-1.73e-04	1.26e-04
397	268	-0.02	0.11	-0.03	0.0	-1.90e-05	0.0
397	276	-0.02	0.14	-0.03	0.0	-1.64e-05	-1.04e-06
397	298	-0.02	0.04	-0.03	0.0	-1.56e-05	0.0
397	305	-0.06	0.04	-0.03	0.0	-4.60e-05	2.47e-05
397	307	-0.02	0.06	-0.03	0.0	-1.48e-05	0.0
397	310	-0.02	0.04	-0.03	0.0	-1.47e-05	0.0
398	44	-0.44	0.12	-0.05	0.0	-2.10e-04	2.28e-04
398	52	-0.04	0.23	-0.07	0.0	-2.41e-05	-1.96e-06
398	68	-0.04	0.31	-0.07	0.0	-2.03e-05	-2.15e-06
398	123	-2.09	0.84	0.02	0.0	-1.40e-03	4.30e-05

398	129	0.21	2.48	-0.15	0.0	1.42e-04	7.48e-05
398	155	-2.35	0.94	0.02	0.0	-1.57e-03	4.84e-05
398	161	0.24	2.80	-0.17	0.0	1.61e-04	8.45e-05
398	187	-2.31	0.97	0.02	0.0	-1.54e-03	4.81e-05
398	193	0.23	2.91	-0.17	0.0	1.58e-04	8.53e-05
398	219	-2.68	1.15	0.03	0.0	-1.79e-03	5.69e-05
398	225	0.28	3.49	-0.20	0.0	1.87e-04	1.02e-04
398	264	-0.29	0.08	-0.04	0.0	-1.40e-04	1.52e-04
398	268	-0.03	0.16	-0.05	0.0	-1.67e-05	-1.34e-06
398	276	-0.03	0.21	-0.05	0.0	-1.42e-05	-1.47e-06
398	298	-0.02	0.05	-0.04	0.0	-1.40e-05	0.0
398	305	-0.08	0.06	-0.04	0.0	-3.84e-05	2.98e-05
398	307	-0.02	0.08	-0.04	0.0	-1.32e-05	0.0
398	310	-0.02	0.05	-0.04	0.0	-1.32e-05	0.0
399	44	-0.53	0.15	-0.07	0.0	-1.59e-04	2.26e-04
399	52	-0.06	0.31	-0.10	0.0	-1.98e-05	-3.26e-06
399	68	-0.05	0.41	-0.09	0.0	-1.62e-05	-3.38e-06
399	123	-2.79	1.13	0.02	0.0	-1.39e-03	4.70e-05
399	129	0.28	3.35	-0.20	0.0	1.43e-04	1.01e-04
399	155	-3.14	1.27	0.03	0.0	-1.56e-03	5.31e-05
399	161	0.32	3.78	-0.22	0.0	1.62e-04	1.14e-04
399	187	-3.08	1.30	0.03	0.0	-1.54e-03	5.30e-05
399	193	0.31	3.92	-0.23	0.0	1.59e-04	1.15e-04
399	219	-3.58	1.55	0.04	0.0	-1.79e-03	6.29e-05
399	225	0.37	4.71	-0.26	0.0	1.87e-04	1.38e-04
399	264	-0.35	0.10	-0.05	0.0	-1.07e-04	1.51e-04
399	268	-0.04	0.21	-0.07	0.0	-1.37e-05	-2.24e-06
399	276	-0.03	0.28	-0.06	0.0	-1.14e-05	-2.33e-06
399	298	-0.03	0.07	-0.05	0.0	-1.19e-05	-1.45e-06
399	305	-0.09	0.07	-0.05	0.0	-3.01e-05	2.90e-05
399	307	-0.03	0.11	-0.05	0.0	-1.10e-05	-1.52e-06
399	310	-0.03	0.06	-0.05	0.0	-1.13e-05	-1.37e-06
400	44	-0.60	0.18	-0.09	0.0	-1.11e-04	1.83e-04
400	52	-0.07	0.38	-0.13	0.0	-1.41e-05	-5.26e-06
400	68	-0.06	0.51	-0.12	0.0	-1.09e-05	-5.24e-06
400	123	-3.49	1.41	0.02	0.0	-1.38e-03	4.76e-05
400	129	0.35	4.22	-0.26	0.0	1.44e-04	1.27e-04
400	155	-3.92	1.59	0.03	0.0	-1.55e-03	5.39e-05
400	161	0.40	4.77	-0.28	0.0	1.62e-04	1.43e-04
400	187	-3.85	1.64	0.03	0.0	-1.53e-03	5.40e-05
400	193	0.39	4.95	-0.29	0.0	1.58e-04	1.45e-04
400	219	-4.47	1.95	0.04	0.0	-1.77e-03	6.45e-05
400	225	0.47	5.95	-0.33	0.0	1.86e-04	1.74e-04
400	264	-0.40	0.12	-0.06	0.0	-7.42e-05	1.22e-04
400	268	-0.05	0.26	-0.09	0.0	-9.81e-06	-3.65e-06
400	276	-0.04	0.34	-0.08	0.0	-7.69e-06	-3.63e-06
400	298	-0.04	0.08	-0.07	0.0	-9.00e-06	-2.54e-06
400	305	-0.11	0.08	-0.07	0.0	-2.15e-05	2.25e-05
400	307	-0.04	0.13	-0.07	0.0	-8.18e-06	-2.59e-06
400	310	-0.04	0.08	-0.07	0.0	-8.52e-06	-2.41e-06
401	44	-0.63	0.20	-0.12	0.0	-7.33e-05	1.14e-04
401	52	-0.07	0.44	-0.16	0.0	-8.32e-06	-6.68e-06
401	68	-0.06	0.59	-0.15	0.0	-5.60e-06	-6.56e-06
401	123	-4.11	1.67	0.01	0.0	-1.37e-03	4.75e-05
401	129	0.42	5.00	-0.31	0.0	1.44e-04	1.52e-04
401	155	-4.61	1.88	0.02	0.0	-1.54e-03	5.40e-05
401	161	0.47	5.66	-0.34	0.0	1.62e-04	1.72e-04
401	187	-4.54	1.94	0.02	0.0	-1.52e-03	5.43e-05
401	193	0.47	5.87	-0.34	0.0	1.59e-04	1.74e-04
401	219	-5.27	2.31	0.03	0.0	-1.76e-03	6.52e-05
401	225	0.55	7.05	-0.40	0.0	1.85e-04	2.09e-04
401	264	-0.42	0.14	-0.08	0.0	-4.91e-05	7.60e-05
401	268	-0.05	0.29	-0.11	0.0	-5.79e-06	-4.64e-06
401	276	-0.04	0.40	-0.11	0.0	-3.97e-06	-4.56e-06
401	298	-0.04	0.09	-0.09	0.0	-5.93e-06	-3.33e-06
401	305	-0.11	0.09	-0.08	0.0	-1.42e-05	1.27e-05
401	307	-0.04	0.14	-0.09	0.0	-5.18e-06	-3.36e-06
401	310	-0.04	0.08	-0.09	0.0	-5.62e-06	-3.17e-06
402	44	-0.63	0.22	-0.17	0.0	-2.21e-04	-1.42e-05
402	52	-0.07	0.49	-0.23	0.0	-7.97e-05	-1.27e-06
402	68	-0.06	0.68	-0.21	0.0	-6.79e-05	-1.72e-06
402	123	-4.72	1.92	-0.01	0.0	-1.20e-03	5.63e-05
402	129	0.49	5.77	-0.37	0.0	8.53e-05	1.83e-04
402	155	-5.30	2.16	-4.30e-04	0.0	-1.35e-03	6.35e-05
402	161	0.55	6.53	-0.41	0.0	1.01e-04	2.07e-04

402	187	-5.21	2.23	-6.12e-03	0.0	-1.33e-03	6.39e-05
402	193	0.54	6.77	-0.42	0.0	9.83e-05	2.10e-04
402	219	-6.05	2.66	9.51e-03	0.0	-1.54e-03	7.61e-05
402	225	0.64	8.14	-0.48	0.0	1.22e-04	2.51e-04
402	264	-0.42	0.15	-0.12	0.0	-1.50e-04	-9.49e-06
402	268	-0.05	0.33	-0.16	0.0	-5.55e-05	0.0
402	276	-0.04	0.46	-0.15	0.0	-4.77e-05	-1.16e-06
402	298	-0.04	0.09	-0.13	0.0	-4.66e-05	0.0
402	305	-0.12	0.10	-0.12	0.0	-6.44e-05	-2.13e-06
402	307	-0.04	0.16	-0.12	0.0	-4.39e-05	0.0
402	310	-0.04	0.09	-0.12	0.0	-4.42e-05	0.0
403	4	0.13	0.19	0.11	-1.97e-04	0.0	6.70e-06
403	43	-0.49	0.17	0.06	-1.58e-04	0.0	1.67e-05
403	68	-0.01	1.49	0.08	-1.22e-03	0.0	-7.29e-06
403	113	5.76	3.11	0.12	-9.16e-04	0.0	1.96e-04
403	116	-5.78	-2.90	-0.04	7.09e-04	0.0	-1.86e-04
403	137	2.52	6.22	0.08	-1.77e-03	0.0	1.29e-04
403	145	6.48	3.50	0.13	-1.02e-03	0.0	2.20e-04
403	148	-6.50	-3.29	-0.05	8.14e-04	0.0	-2.10e-04
403	169	2.84	7.02	0.09	-1.99e-03	0.0	1.44e-04
403	177	6.41	3.57	0.13	-1.04e-03	0.0	2.19e-04
403	180	-6.43	-3.36	-0.05	8.35e-04	0.0	-2.09e-04
403	201	2.83	7.19	0.09	-2.04e-03	0.0	1.44e-04
403	209	7.51	4.24	0.15	-1.22e-03	0.0	2.58e-04
403	212	-7.53	-4.03	-0.06	1.02e-03	0.0	-2.48e-04
403	233	3.33	8.53	0.09	-2.40e-03	0.0	1.69e-04
403	244	0.08	0.13	0.07	-1.36e-04	0.0	4.72e-06
403	263	-0.33	0.12	0.04	-1.10e-04	0.0	1.14e-05
403	276	-6.99e-03	1.00	0.05	-8.19e-04	0.0	-4.60e-06
403	298	-0.01	0.11	0.05	-1.10e-04	0.0	5.26e-06
403	305	-0.07	0.10	0.04	-1.04e-04	0.0	6.17e-06
403	307	-9.24e-03	0.28	0.04	-2.44e-04	0.0	2.90e-06
403	310	-9.91e-03	0.10	0.04	-1.04e-04	0.0	4.94e-06
404	4	0.13	0.30	0.12	-1.97e-04	0.0	7.74e-06
404	43	-0.54	0.26	0.07	-1.58e-04	0.0	1.85e-05
404	68	-0.01	2.13	0.09	-8.97e-04	0.0	-2.29e-05
404	113	6.22	3.59	0.14	-8.90e-04	0.0	2.27e-04
404	116	-6.25	-3.28	-0.05	6.83e-04	0.0	-2.15e-04
404	137	2.72	7.16	0.09	-1.72e-03	0.0	1.42e-04
404	145	6.99	4.04	0.15	-9.93e-04	0.0	2.54e-04
404	148	-7.02	-3.72	-0.06	7.85e-04	0.0	-2.43e-04
404	169	3.07	8.07	0.10	-1.93e-03	0.0	1.59e-04
404	177	6.92	4.12	0.15	-1.01e-03	0.0	2.54e-04
404	180	-6.95	-3.81	-0.06	8.05e-04	0.0	-2.42e-04
404	201	3.06	8.27	0.10	-1.97e-03	0.0	1.58e-04
404	209	8.11	4.89	0.17	-1.19e-03	0.0	2.99e-04
404	212	-8.14	-4.57	-0.07	9.81e-04	0.0	-2.87e-04
404	233	3.60	9.80	0.10	-2.33e-03	0.0	1.85e-04
404	244	0.09	0.20	0.08	-1.36e-04	0.0	5.46e-06
404	263	-0.36	0.18	0.04	-1.10e-04	0.0	1.26e-05
404	276	-0.01	1.43	0.06	-6.03e-04	0.0	-1.50e-05
404	298	-0.02	0.17	0.05	-1.10e-04	0.0	5.96e-06
404	305	-0.08	0.16	0.04	-1.04e-04	0.0	6.94e-06
404	307	-0.01	0.41	0.05	-2.01e-04	0.0	1.33e-06
404	310	-0.01	0.16	0.05	-1.04e-04	0.0	5.61e-06
405	44	-0.49	0.19	0.16	-1.70e-04	0.0	1.70e-05
405	52	-0.01	0.99	0.20	-8.22e-04	0.0	-1.36e-05
405	68	-9.24e-03	1.48	0.16	-1.21e-03	0.0	-3.01e-05
405	113	5.75	3.13	0.11	-9.20e-04	0.0	1.97e-04
405	116	-5.77	-2.92	0.08	7.11e-04	0.0	-1.88e-04
405	137	2.51	6.26	0.10	-1.78e-03	0.0	1.37e-04
405	145	6.46	3.52	0.11	-1.03e-03	0.0	2.21e-04
405	148	-6.48	-3.31	0.08	8.17e-04	0.0	-2.12e-04
405	169	2.83	7.06	0.10	-2.00e-03	0.0	1.54e-04
405	177	6.40	3.60	0.11	-1.05e-03	0.0	2.21e-04
405	180	-6.42	-3.39	0.08	8.40e-04	0.0	-2.12e-04
405	201	2.83	7.24	0.10	-2.04e-03	0.0	1.54e-04
405	209	7.50	4.28	0.11	-1.23e-03	0.0	2.61e-04
405	212	-7.52	-4.07	0.08	1.02e-03	0.0	-2.51e-04
405	233	3.32	8.59	0.10	-2.41e-03	0.0	1.81e-04
405	264	-0.33	0.13	0.11	-1.18e-04	0.0	1.16e-05
405	268	-8.86e-03	0.66	0.14	-5.53e-04	0.0	-8.81e-06
405	276	-6.37e-03	0.99	0.11	-8.11e-04	0.0	-1.98e-05
405	298	-9.40e-03	0.11	0.10	-1.11e-04	0.0	5.09e-06
405	305	-0.07	0.11	0.09	-1.05e-04	0.0	6.02e-06

405	307	-8.36e-03	0.28	0.09	-2.43e-04	0.0	0.0
405	310	-8.99e-03	0.10	0.09	-1.05e-04	0.0	4.79e-06
406	28	-0.33	0.32	0.21	-1.99e-04	0.0	1.66e-05
406	43	-0.53	0.27	0.16	-1.60e-04	0.0	1.83e-05
406	68	-0.01	2.11	0.17	-8.91e-04	0.0	-3.94e-05
406	114	5.04	0.13	0.11	-9.25e-05	0.0	8.70e-05
406	116	-6.23	-3.29	0.09	6.86e-04	0.0	-2.19e-04
406	137	2.72	7.20	0.10	-1.72e-03	0.0	1.58e-04
406	146	5.66	0.12	0.11	-8.88e-05	0.0	9.64e-05
406	148	-7.00	-3.74	0.09	7.89e-04	0.0	-2.47e-04
406	169	3.06	8.12	0.10	-1.94e-03	0.0	1.77e-04
406	178	5.55	0.06	0.11	-7.57e-05	0.0	9.15e-05
406	180	-6.94	-3.83	0.09	8.10e-04	0.0	-2.47e-04
406	201	3.06	8.32	0.10	-1.98e-03	0.0	1.77e-04
406	210	6.46	-7.22e-03	0.11	-6.05e-05	0.0	1.04e-04
406	212	-8.12	-4.61	0.09	9.89e-04	0.0	-2.92e-04
406	233	3.59	9.87	0.10	-2.34e-03	0.0	2.08e-04
406	256	-0.22	0.22	0.14	-1.38e-04	0.0	1.13e-05
406	263	-0.36	0.18	0.11	-1.11e-04	0.0	1.25e-05
406	276	-7.69e-03	1.42	0.12	-5.99e-04	0.0	-2.60e-05
406	298	-0.01	0.17	0.11	-1.11e-04	0.0	5.89e-06
406	305	-0.08	0.16	0.10	-1.05e-04	0.0	6.86e-06
406	307	-0.01	0.41	0.10	-2.01e-04	0.0	0.0
406	310	-0.01	0.16	0.10	-1.05e-04	0.0	5.54e-06
407	4	0.13	0.40	0.13	-1.97e-04	0.0	8.87e-06
407	44	-0.62	0.36	0.08	-1.68e-04	0.0	2.10e-05
407	68	-0.03	2.52	0.10	-4.72e-04	0.0	-3.12e-05
407	113	7.09	4.06	0.15	-8.53e-04	0.0	2.54e-04
407	116	-7.14	-3.63	-0.05	6.46e-04	0.0	-2.41e-04
407	137	3.11	8.05	0.10	-1.64e-03	0.0	1.59e-04
407	145	7.97	4.56	0.16	-9.51e-04	0.0	2.85e-04
407	148	-8.02	-4.13	-0.07	7.43e-04	0.0	-2.72e-04
407	169	3.50	9.08	0.10	-1.84e-03	0.0	1.79e-04
407	177	7.89	4.65	0.16	-9.70e-04	0.0	2.84e-04
407	180	-7.95	-4.23	-0.06	7.63e-04	0.0	-2.72e-04
407	201	3.50	9.31	0.10	-1.89e-03	0.0	1.77e-04
407	209	9.25	5.51	0.18	-1.14e-03	0.0	3.35e-04
407	212	-9.30	-5.09	-0.08	9.31e-04	0.0	-3.22e-04
407	233	4.11	11.03	0.11	-2.22e-03	0.0	2.08e-04
407	244	0.08	0.28	0.08	-1.37e-04	0.0	6.26e-06
407	264	-0.41	0.25	0.06	-1.17e-04	0.0	1.44e-05
407	276	-0.02	1.69	0.06	-3.20e-04	0.0	-2.04e-05
407	298	-0.03	0.23	0.06	-1.10e-04	0.0	6.71e-06
407	305	-0.10	0.22	0.05	-1.04e-04	0.0	7.75e-06
407	307	-0.03	0.50	0.05	-1.44e-04	0.0	0.0
407	310	-0.03	0.21	0.05	-1.04e-04	0.0	6.31e-06
408	28	-0.39	0.42	0.22	-1.99e-04	0.0	1.85e-05
408	44	-0.62	0.37	0.18	-1.70e-04	0.0	2.09e-05
408	68	-0.03	2.51	0.18	-4.72e-04	0.0	-3.28e-05
408	116	-7.14	-3.65	0.12	6.50e-04	0.0	-2.44e-04
408	137	3.11	8.10	0.10	-1.65e-03	0.0	1.74e-04
408	148	-8.02	-4.16	0.12	7.48e-04	0.0	-2.76e-04
408	169	3.50	9.14	0.10	-1.85e-03	0.0	1.95e-04
408	180	-7.95	-4.26	0.12	7.69e-04	0.0	-2.76e-04
408	201	3.50	9.36	0.10	-1.90e-03	0.0	1.95e-04
408	212	-9.30	-5.13	0.13	9.39e-04	0.0	-3.27e-04
408	233	4.12	11.10	0.10	-2.24e-03	0.0	2.29e-04
408	256	-0.26	0.29	0.15	-1.38e-04	0.0	1.26e-05
408	264	-0.41	0.26	0.12	-1.18e-04	0.0	1.43e-05
408	276	-0.02	1.68	0.12	-3.20e-04	0.0	-2.15e-05
408	298	-0.03	0.23	0.11	-1.11e-04	0.0	6.69e-06
408	305	-0.10	0.22	0.10	-1.05e-04	0.0	7.72e-06
408	307	-0.03	0.50	0.10	-1.45e-04	0.0	0.0
408	310	-0.03	0.22	0.10	-1.05e-04	0.0	6.29e-06
409	4	0.12	0.50	0.13	-1.97e-04	0.0	9.99e-06
409	44	-0.71	0.44	0.09	-1.68e-04	0.0	2.29e-05
409	68	-0.05	2.65	0.10	-4.58e-05	0.0	-3.00e-05
409	113	7.98	4.48	0.16	-8.15e-04	0.0	2.76e-04
409	116	-8.07	-3.95	-0.06	6.07e-04	0.0	-2.62e-04
409	137	3.50	8.85	0.10	-1.56e-03	0.0	1.79e-04
409	145	8.98	5.02	0.17	-9.07e-04	0.0	3.10e-04
409	148	-9.06	-4.49	-0.07	7.00e-04	0.0	-2.96e-04
409	169	3.95	9.98	0.11	-1.75e-03	0.0	2.01e-04
409	177	8.89	5.13	0.17	-9.26e-04	0.0	3.09e-04
409	180	-8.98	-4.60	-0.07	7.18e-04	0.0	-2.95e-04

409	201	3.95	10.22	0.11	-1.79e-03	0.0	2.00e-04
409	209	10.42	6.07	0.19	-1.09e-03	0.0	3.64e-04
409	212	-10.51	-5.54	-0.09	8.78e-04	0.0	-3.50e-04
409	233	4.65	12.11	0.12	-2.11e-03	0.0	2.35e-04
409	244	0.08	0.35	0.09	-1.37e-04	0.0	7.05e-06
409	264	-0.47	0.31	0.06	-1.17e-04	0.0	1.56e-05
409	276	-0.04	1.78	0.07	-3.56e-05	0.0	-1.96e-05
409	298	-0.05	0.28	0.06	-1.10e-04	0.0	7.45e-06
409	305	-0.13	0.27	0.05	-1.04e-04	0.0	8.53e-06
409	307	-0.04	0.56	0.05	-8.76e-05	0.0	1.48e-06
409	310	-0.04	0.26	0.05	-1.04e-04	0.0	7.00e-06
410	28	-0.46	0.52	0.23	-1.99e-04	0.0	2.02e-05
410	44	-0.71	0.46	0.19	-1.70e-04	0.0	2.28e-05
410	68	-0.05	2.64	0.19	-5.22e-05	0.0	-2.36e-05
410	116	-8.07	-3.97	0.13	6.13e-04	0.0	-2.64e-04
410	137	3.51	8.91	0.10	-1.57e-03	0.0	1.87e-04
410	148	-9.07	-4.52	0.13	7.06e-04	0.0	-2.98e-04
410	169	3.95	10.04	0.10	-1.77e-03	0.0	2.10e-04
410	180	-8.98	-4.63	0.13	7.26e-04	0.0	-2.98e-04
410	201	3.95	10.29	0.10	-1.81e-03	0.0	2.10e-04
410	212	-10.51	-5.58	0.14	8.88e-04	0.0	-3.54e-04
410	233	4.65	12.19	0.10	-2.13e-03	0.0	2.47e-04
410	256	-0.31	0.36	0.15	-1.38e-04	0.0	1.39e-05
410	264	-0.47	0.32	0.13	-1.18e-04	0.0	1.56e-05
410	276	-0.04	1.77	0.13	-3.99e-05	0.0	-1.53e-05
410	298	-0.05	0.29	0.11	-1.11e-04	0.0	7.42e-06
410	305	-0.13	0.27	0.10	-1.05e-04	0.0	8.50e-06
410	307	-0.04	0.56	0.10	-8.90e-05	0.0	2.32e-06
410	310	-0.04	0.27	0.10	-1.05e-04	0.0	6.98e-06
411	44	-0.87	0.02	4.29e-03	0.0	-1.32e-03	-2.91e-04
411	67	-0.01	0.08	0.02	0.0	-2.12e-05	-1.14e-05
411	72	-0.01	0.07	0.02	0.0	-1.72e-05	-9.77e-06
411	123	-0.73	0.27	0.06	0.0	-1.44e-03	-1.65e-05
411	129	0.04	0.74	0.17	0.0	8.03e-05	2.04e-05
411	132	-0.06	-0.73	-0.18	0.0	-1.12e-04	-3.52e-05
411	155	-0.82	0.31	0.07	0.0	-1.62e-03	-1.76e-05
411	161	0.05	0.84	0.20	0.0	9.22e-05	2.40e-05
411	164	-0.06	-0.83	-0.20	0.0	-1.24e-04	-3.87e-05
411	187	-0.80	0.31	0.07	0.0	-1.59e-03	-1.68e-05
411	193	0.05	0.87	0.21	0.0	9.19e-05	2.43e-05
411	196	-0.06	-0.86	-0.21	0.0	-1.23e-04	-3.91e-05
411	219	-0.93	0.37	0.08	0.0	-1.85e-03	-1.81e-05
411	225	0.06	1.04	0.25	0.0	1.10e-04	3.05e-05
411	228	-0.07	-1.03	-0.25	0.0	-1.42e-04	-4.53e-05
411	264	-0.58	0.02	2.55e-03	0.0	-8.81e-04	-1.95e-04
411	275	-9.09e-03	0.05	0.01	0.0	-1.48e-05	-7.97e-06
411	276	-9.36e-03	0.05	0.01	0.0	-1.53e-05	-8.26e-06
411	305	-0.12	7.24e-03	2.50e-04	0.0	-1.88e-04	-4.47e-05
411	307	-9.24e-03	0.01	2.43e-03	0.0	-1.53e-05	-7.41e-06
411	308	-5.89e-03	-1.91e-03	-2.93e-03	0.0	-9.83e-06	-4.48e-06
411	309	-5.79e-03	2.58e-03	-1.59e-03	0.0	-9.65e-06	-4.49e-06
411	310	-9.43e-03	5.26e-03	-2.47e-04	0.0	-1.57e-05	-7.39e-06
412	1	0.0	0.0	0.0	0.0	4.18e-04	1.15e-05
412	113	0.0	0.0	0.0	0.0	1.01e-03	1.31e-06
412	145	0.0	0.0	0.0	0.0	1.13e-03	1.64e-06
412	177	0.0	0.0	0.0	0.0	1.11e-03	1.58e-06
412	209	0.0	0.0	0.0	0.0	1.30e-03	2.12e-06
412	241	0.0	0.0	0.0	0.0	2.78e-04	7.61e-06
412	297	0.0	0.0	0.0	0.0	-1.02e-05	0.0
412	309	0.0	0.0	0.0	0.0	-1.02e-05	0.0
413	44	-1.55	0.05	7.07e-03	0.0	-9.47e-04	-4.80e-04
413	68	-0.03	0.16	0.04	0.0	-1.86e-05	-2.12e-05
413	72	-0.02	0.16	0.04	0.0	-1.46e-05	-1.75e-05
413	123	-1.45	0.55	0.10	0.0	-1.43e-03	-2.79e-05
413	129	0.08	1.54	0.31	0.0	8.18e-05	4.35e-05
413	132	-0.12	-1.51	-0.31	0.0	-1.09e-04	-6.98e-05
413	155	-1.62	0.62	0.12	0.0	-1.60e-03	-2.95e-05
413	161	0.09	1.74	0.35	0.0	9.36e-05	5.07e-05
413	164	-0.13	-1.71	-0.35	0.0	-1.21e-04	-7.71e-05
413	187	-1.60	0.64	0.12	0.0	-1.57e-03	-2.81e-05
413	193	0.09	1.81	0.37	0.0	9.32e-05	5.15e-05
413	196	-0.13	-1.78	-0.37	0.0	-1.20e-04	-7.78e-05
413	219	-1.85	0.76	0.15	0.0	-1.83e-03	-3.01e-05
413	225	0.11	2.17	0.44	0.0	1.11e-04	6.41e-05
413	228	-0.15	-2.15	-0.44	0.0	-1.38e-04	-9.04e-05

413	264	-1.03	0.03	4.13e-03	0.0	-6.32e-04	-3.21e-04
413	276	-0.02	0.11	0.02	0.0	-1.30e-05	-1.48e-05
413	305	-0.22	0.02	3.02e-04	0.0	-1.37e-04	-7.44e-05
413	307	-0.02	0.03	4.03e-03	0.0	-1.32e-05	-1.32e-05
413	308	-0.01	-2.40e-03	-5.22e-03	0.0	-8.55e-06	-7.98e-06
413	309	-0.01	7.01e-03	-2.95e-03	0.0	-8.37e-06	-8.01e-06
413	310	-0.02	0.01	-5.10e-04	0.0	-1.36e-05	-1.32e-05
414	44	-1.95	0.08	8.52e-03	0.0	-4.37e-04	-5.80e-04
414	68	-0.03	0.26	0.04	0.0	-1.39e-05	-2.69e-05
414	72	-0.03	0.25	0.05	0.0	-1.07e-05	-2.21e-05
414	123	-2.16	0.83	0.14	0.0	-1.40e-03	-3.02e-05
414	129	0.12	2.38	0.41	0.0	8.42e-05	6.73e-05
414	132	-0.17	-2.33	-0.41	0.0	-1.05e-04	-1.00e-04
414	155	-2.42	0.94	0.16	0.0	-1.58e-03	-3.17e-05
414	161	0.14	2.69	0.47	0.0	9.58e-05	7.81e-05
414	164	-0.19	-2.64	-0.47	0.0	-1.17e-04	-1.11e-04
414	187	-2.38	0.97	0.16	0.0	-1.55e-03	-2.97e-05
414	193	0.14	2.79	0.48	0.0	9.53e-05	7.93e-05
414	196	-0.19	-2.74	-0.49	0.0	-1.16e-04	-1.12e-04
414	219	-2.76	1.15	0.19	0.0	-1.80e-03	-3.11e-05
414	225	0.17	3.36	0.58	0.0	1.13e-04	9.80e-05
414	228	-0.22	-3.31	-0.59	0.0	-1.34e-04	-1.31e-04
414	264	-1.30	0.05	4.83e-03	0.0	-2.92e-04	-3.88e-04
414	276	-0.02	0.17	0.03	0.0	-9.73e-06	-1.87e-05
414	305	-0.28	0.03	-5.54e-05	0.0	-6.66e-05	-9.04e-05
414	307	-0.02	0.05	4.74e-03	0.0	-1.02e-05	-1.66e-05
414	308	-0.02	-1.52e-03	-7.31e-03	0.0	-6.70e-06	-1.01e-05
414	309	-0.02	0.01	-4.40e-03	0.0	-6.53e-06	-1.01e-05
414	310	-0.02	0.02	-1.08e-03	0.0	-1.05e-05	-1.66e-05
415	44	-0.72	0.02	-1.01e-03	0.0	-1.13e-03	-2.61e-04
415	67	-6.37e-03	0.08	1.87e-03	0.0	-1.21e-05	-1.19e-05
415	89	-5.21e-03	-0.03	-5.48e-03	0.0	-9.97e-06	-6.47e-06
415	123	-0.73	0.27	0.01	0.0	-1.45e-03	-1.60e-05
415	129	0.03	0.74	0.03	0.0	6.92e-05	2.04e-05
415	130	0.28	-0.63	-0.04	0.0	5.57e-04	-2.61e-05
415	155	-0.82	0.31	0.02	0.0	-1.63e-03	-1.70e-05
415	161	0.04	0.84	0.03	0.0	7.89e-05	2.40e-05
415	162	0.32	-0.71	-0.04	0.0	6.26e-04	-2.85e-05
415	187	-0.81	0.32	0.02	0.0	-1.60e-03	-1.62e-05
415	193	0.04	0.87	0.03	0.0	7.85e-05	2.43e-05
415	194	0.31	-0.74	-0.04	0.0	6.13e-04	-2.93e-05
415	219	-0.94	0.38	0.02	0.0	-1.86e-03	-1.73e-05
415	225	0.05	1.05	0.04	0.0	9.31e-05	3.06e-05
415	226	0.36	-0.89	-0.05	0.0	7.16e-04	-3.37e-05
415	264	-0.48	0.02	-1.06e-03	0.0	-7.53e-04	-1.74e-04
415	275	-4.49e-03	0.05	8.56e-04	0.0	-8.53e-06	-8.31e-06
415	285	-3.71e-03	-0.02	-4.04e-03	0.0	-7.10e-06	-4.68e-06
415	305	-0.10	7.18e-03	-1.90e-03	0.0	-1.58e-04	-4.09e-05
415	307	-4.97e-03	0.01	-1.51e-03	0.0	-9.48e-06	-7.76e-06
415	308	-3.30e-03	-2.00e-03	-2.90e-03	0.0	-6.31e-06	-4.70e-06
415	309	-3.20e-03	2.52e-03	-2.62e-03	0.0	-6.11e-06	-4.71e-06
415	310	-5.17e-03	5.18e-03	-2.08e-03	0.0	-9.87e-06	-7.74e-06
416	1	0.0	0.0	0.0	0.0	3.61e-04	1.37e-05
416	113	0.0	0.0	0.0	0.0	9.97e-04	1.21e-06
416	145	0.0	0.0	0.0	0.0	1.12e-03	1.55e-06
416	177	0.0	0.0	0.0	0.0	1.10e-03	1.50e-06
416	209	0.0	0.0	0.0	0.0	1.28e-03	2.07e-06
416	241	0.0	0.0	0.0	0.0	2.40e-04	9.08e-06
416	297	0.0	0.0	0.0	0.0	-6.20e-06	0.0
416	309	0.0	0.0	0.0	0.0	-6.20e-06	0.0
417	44	-1.29	0.05	-1.48e-03	0.0	-8.19e-04	-4.55e-04
417	68	-0.01	0.16	3.94e-03	0.0	-1.19e-05	-2.22e-05
417	89	-0.01	-0.06	-0.01	0.0	-9.59e-06	-1.15e-05
417	123	-1.46	0.55	0.03	0.0	-1.43e-03	-2.77e-05
417	129	0.07	1.54	0.07	0.0	6.91e-05	4.36e-05
417	132	-0.09	-1.51	-0.08	0.0	-8.80e-05	-7.12e-05
417	155	-1.64	0.62	0.03	0.0	-1.61e-03	-2.92e-05
417	161	0.08	1.74	0.08	0.0	7.87e-05	5.10e-05
417	164	-0.10	-1.72	-0.09	0.0	-9.76e-05	-7.86e-05
417	187	-1.61	0.64	0.04	0.0	-1.58e-03	-2.76e-05
417	193	0.08	1.81	0.09	0.0	7.81e-05	5.18e-05
417	196	-0.10	-1.78	-0.09	0.0	-9.71e-05	-7.94e-05
417	219	-1.87	0.76	0.04	0.0	-1.84e-03	-2.94e-05
417	225	0.09	2.17	0.11	0.0	9.26e-05	6.46e-05
417	228	-0.11	-2.15	-0.11	0.0	-1.12e-04	-9.22e-05

417	264	-0.86	0.03	-1.70e-03	0.0	-5.47e-04	-3.04e-04
417	276	-9.07e-03	0.11	1.92e-03	0.0	-8.34e-06	-1.54e-05
417	285	-7.31e-03	-0.04	-7.40e-03	0.0	-6.83e-06	-8.32e-06
417	305	-0.18	0.02	-3.31e-03	0.0	-1.17e-04	-7.16e-05
417	307	-9.81e-03	0.03	-2.58e-03	0.0	-9.09e-06	-1.38e-05
417	308	-6.52e-03	-2.47e-03	-5.26e-03	0.0	-6.06e-06	-8.38e-06
417	309	-6.32e-03	6.96e-03	-4.73e-03	0.0	-5.87e-06	-8.40e-06
417	310	-0.01	0.01	-3.65e-03	0.0	-9.48e-06	-1.38e-05
418	44	-1.63	0.08	-1.44e-03	0.0	-3.96e-04	-5.60e-04
418	68	-0.02	0.26	6.43e-03	0.0	-1.09e-05	-2.82e-05
418	89	-0.02	-0.09	-0.01	0.0	-9.02e-06	-1.44e-05
418	123	-2.17	0.83	0.05	0.0	-1.41e-03	-3.14e-05
418	129	0.10	2.38	0.12	0.0	6.92e-05	6.70e-05
418	132	-0.13	-2.33	-0.13	0.0	-8.69e-05	-1.02e-04
418	155	-2.44	0.94	0.06	0.0	-1.58e-03	-3.28e-05
418	161	0.12	2.69	0.14	0.0	7.87e-05	7.78e-05
418	164	-0.15	-2.64	-0.15	0.0	-9.64e-05	-1.13e-04
418	187	-2.39	0.97	0.06	0.0	-1.55e-03	-3.08e-05
418	193	0.12	2.79	0.14	0.0	7.80e-05	7.91e-05
418	196	-0.15	-2.74	-0.15	0.0	-9.57e-05	-1.14e-04
418	219	-2.78	1.15	0.07	0.0	-1.81e-03	-3.22e-05
418	225	0.14	3.36	0.17	0.0	9.23e-05	9.79e-05
418	228	-0.17	-3.31	-0.18	0.0	-1.10e-04	-1.33e-04
418	264	-1.09	0.05	-1.96e-03	0.0	-2.65e-04	-3.74e-04
418	276	-0.01	0.17	3.29e-03	0.0	-7.68e-06	-1.96e-05
418	285	-0.01	-0.06	-0.01	0.0	-6.41e-06	-1.05e-05
418	305	-0.23	0.03	-4.36e-03	0.0	-5.98e-05	-8.85e-05
418	307	-0.01	0.05	-3.31e-03	0.0	-8.46e-06	-1.75e-05
418	308	-9.54e-03	-1.59e-03	-7.32e-03	0.0	-5.67e-06	-1.06e-05
418	309	-9.25e-03	0.01	-6.54e-03	0.0	-5.48e-06	-1.06e-05
418	310	-0.01	0.02	-4.87e-03	0.0	-8.84e-06	-1.74e-05
419	18	0.28	1.24e-04	-6.53e-03	0.0	4.41e-04	1.31e-04
419	43	-0.57	0.02	-3.86e-03	0.0	-8.92e-04	-3.05e-04
419	67	8.62e-04	0.08	-4.32e-03	0.0	0.0	-1.34e-05
419	123	-0.74	0.28	0.01	0.0	-1.46e-03	-1.23e-05
419	129	0.03	0.74	0.01	0.0	5.52e-05	2.23e-05
419	134	0.34	-0.70	-0.03	0.0	6.71e-04	-3.12e-05
419	155	-0.83	0.31	0.02	0.0	-1.64e-03	-1.25e-05
419	161	0.03	0.84	0.02	0.0	6.22e-05	2.63e-05
419	166	0.38	-0.80	-0.03	0.0	7.55e-04	-3.42e-05
419	187	-0.81	0.32	0.02	0.0	-1.61e-03	-1.14e-05
419	193	0.03	0.87	0.02	0.0	6.13e-05	2.69e-05
419	198	0.38	-0.83	-0.03	0.0	7.41e-04	-3.52e-05
419	219	-0.95	0.38	0.02	0.0	-1.87e-03	-1.15e-05
419	225	0.04	1.05	0.02	0.0	7.10e-05	3.40e-05
419	230	0.44	-0.99	-0.04	0.0	8.63e-04	-4.06e-05
419	251	0.19	2.27e-04	-4.87e-03	0.0	2.94e-04	8.72e-05
419	263	-0.38	0.02	-3.09e-03	0.0	-5.95e-04	-2.04e-04
419	275	5.62e-04	0.05	-3.40e-03	0.0	0.0	-9.39e-06
419	303	0.04	3.92e-03	-4.28e-03	0.0	5.68e-05	1.04e-05
419	305	-0.08	6.99e-03	-3.95e-03	0.0	-1.21e-04	-4.79e-05
419	307	-2.47e-04	0.01	-4.01e-03	0.0	-1.97e-06	-8.96e-06
419	310	-4.55e-04	4.94e-03	-4.17e-03	0.0	-2.38e-06	-9.00e-06
420	1	0.0	0.0	0.0	0.0	2.92e-04	1.65e-05
420	113	0.0	0.0	0.0	0.0	9.86e-04	1.53e-06
420	145	0.0	0.0	0.0	0.0	1.11e-03	1.95e-06
420	177	0.0	0.0	0.0	0.0	1.08e-03	1.92e-06
420	209	0.0	0.0	0.0	0.0	1.26e-03	2.61e-06
420	241	0.0	0.0	0.0	0.0	1.95e-04	1.09e-05
420	297	0.0	0.0	0.0	0.0	-1.18e-06	-1.13e-06
420	309	0.0	0.0	0.0	0.0	-1.18e-06	-1.13e-06
421	18	0.50	6.43e-03	-0.01	0.0	3.19e-04	2.30e-04
421	43	-1.01	0.05	-7.08e-03	0.0	-6.57e-04	-5.37e-04
421	68	8.20e-04	0.16	-8.31e-03	0.0	-3.07e-06	-2.58e-05
421	123	-1.46	0.55	0.03	0.0	-1.44e-03	-2.38e-05
421	129	0.06	1.54	0.03	0.0	5.34e-05	4.57e-05
421	134	0.68	-1.44	-0.06	0.0	6.61e-04	-6.05e-05
421	155	-1.65	0.62	0.03	0.0	-1.62e-03	-2.44e-05
421	161	0.06	1.74	0.03	0.0	6.03e-05	5.37e-05
421	166	0.76	-1.63	-0.06	0.0	7.43e-04	-6.64e-05
421	187	-1.62	0.64	0.03	0.0	-1.59e-03	-2.25e-05
421	193	0.06	1.81	0.04	0.0	5.94e-05	5.49e-05
421	198	0.75	-1.69	-0.07	0.0	7.29e-04	-6.84e-05
421	219	-1.88	0.76	0.04	0.0	-1.85e-03	-2.29e-05
421	225	0.07	2.18	0.04	0.0	6.90e-05	6.89e-05

421	230	0.87	-2.04	-0.08	0.0	8.50e-04	-7.91e-05
421	251	0.34	4.76e-03	-9.16e-03	0.0	2.13e-04	1.53e-04
421	263	-0.68	0.03	-5.69e-03	0.0	-4.38e-04	-3.59e-04
421	276	4.86e-04	0.11	-6.51e-03	0.0	-2.22e-06	-1.80e-05
421	303	0.07	0.01	-8.00e-03	0.0	3.93e-05	1.78e-05
421	305	-0.14	0.02	-7.36e-03	0.0	-9.09e-05	-8.46e-05
421	307	-1.21e-03	0.03	-7.47e-03	0.0	-3.68e-06	-1.64e-05
421	310	-1.62e-03	0.01	-7.79e-03	0.0	-4.10e-06	-1.64e-05
422	18	0.64	0.02	-0.02	0.0	1.57e-04	2.81e-04
422	43	-1.29	0.08	-1.00e-02	0.0	-3.43e-04	-6.62e-04
422	68	-1.33e-03	0.26	-0.01	0.0	-6.89e-06	-3.39e-05
422	123	-2.18	0.84	0.04	0.0	-1.41e-03	-3.48e-05
422	129	0.08	2.38	0.04	0.0	5.13e-05	6.54e-05
422	134	1.00	-2.21	-0.09	0.0	6.45e-04	-8.22e-05
422	155	-2.45	0.94	0.05	0.0	-1.59e-03	-3.62e-05
422	161	0.09	2.69	0.05	0.0	5.82e-05	7.65e-05
422	166	1.13	-2.51	-0.09	0.0	7.25e-04	-9.03e-05
422	187	-2.41	0.97	0.05	0.0	-1.56e-03	-3.40e-05
422	193	0.09	2.79	0.05	0.0	5.73e-05	7.80e-05
422	198	1.11	-2.60	-0.10	0.0	7.12e-04	-9.27e-05
422	219	-2.80	1.15	0.06	0.0	-1.81e-03	-3.52e-05
422	225	0.11	3.36	0.07	0.0	6.70e-05	9.73e-05
422	230	1.29	-3.14	-0.11	0.0	8.31e-04	-1.07e-04
422	251	0.42	0.01	-0.01	0.0	1.04e-04	1.87e-04
422	263	-0.86	0.05	-8.07e-03	0.0	-2.29e-04	-4.43e-04
422	276	-1.05e-03	0.17	-9.24e-03	0.0	-4.88e-06	-2.36e-05
422	303	0.08	0.02	-0.01	0.0	1.57e-05	2.08e-05
422	305	-0.18	0.03	-0.01	0.0	-5.10e-05	-1.05e-04
422	307	-3.44e-03	0.05	-0.01	0.0	-6.13e-06	-2.12e-05
422	310	-4.06e-03	0.02	-0.01	0.0	-6.55e-06	-2.12e-05
423	45	-0.37	0.02	-2.68e-03	0.0	-5.93e-04	-3.86e-04
423	52	0.01	0.05	-0.01	0.0	1.54e-05	-1.89e-05
423	67	9.25e-03	0.08	-0.01	0.0	1.37e-05	-1.46e-05
423	122	0.74	-0.27	-0.02	0.0	1.47e-03	-1.73e-06
423	125	0.68	0.14	-0.03	0.0	1.34e-03	1.52e-05
423	129	0.02	0.74	-0.02	0.0	3.92e-05	3.39e-05
423	154	0.83	-0.30	-0.03	0.0	1.66e-03	0.0
423	157	0.76	0.15	-0.03	0.0	1.51e-03	1.84e-05
423	161	0.02	0.84	-0.02	0.0	4.29e-05	3.97e-05
423	186	0.82	-0.31	-0.02	0.0	1.63e-03	-2.14e-06
423	189	0.75	0.16	-0.03	0.0	1.49e-03	1.77e-05
423	193	0.02	0.87	-0.02	0.0	4.13e-05	4.10e-05
423	218	0.95	-0.37	-0.03	0.0	1.89e-03	-1.30e-06
423	221	0.87	0.19	-0.03	0.0	1.73e-03	2.25e-05
423	225	0.02	1.05	-0.02	0.0	4.49e-05	5.13e-05
423	261	-0.25	0.01	-4.04e-03	0.0	-3.94e-04	-2.60e-04
423	268	7.48e-03	0.03	-9.66e-03	0.0	1.06e-05	-1.31e-05
423	275	6.42e-03	0.05	-9.12e-03	0.0	9.50e-06	-1.02e-05
423	304	-0.05	4.20e-03	-5.90e-03	0.0	-7.54e-05	-5.71e-05
423	307	5.44e-03	0.01	-7.88e-03	0.0	7.44e-06	-1.03e-05
423	310	5.28e-03	4.60e-03	-7.63e-03	0.0	7.05e-06	-1.05e-05
424	1	0.0	0.0	0.0	0.0	2.03e-04	2.12e-05
424	113	0.0	0.0	0.0	0.0	9.69e-04	2.72e-06
424	145	0.0	0.0	0.0	0.0	1.09e-03	3.33e-06
424	177	0.0	0.0	0.0	0.0	1.06e-03	3.33e-06
424	209	0.0	0.0	0.0	0.0	1.24e-03	4.33e-06
424	241	0.0	0.0	0.0	0.0	1.35e-04	1.40e-05
424	297	0.0	0.0	0.0	0.0	5.02e-06	-1.31e-06
424	309	0.0	0.0	0.0	0.0	5.02e-06	-1.31e-06
425	45	-0.66	0.03	-5.16e-03	0.0	-4.54e-04	-6.68e-04
425	52	0.02	0.11	-0.02	0.0	8.27e-06	-3.67e-05
425	68	0.02	0.16	-0.02	0.0	8.68e-06	-3.04e-05
425	122	1.48	-0.53	-0.05	0.0	1.46e-03	-1.60e-05
425	125	1.35	0.31	-0.06	0.0	1.33e-03	1.03e-05
425	129	0.04	1.54	-0.04	0.0	3.87e-05	5.27e-05
425	154	1.66	-0.60	-0.05	0.0	1.64e-03	-1.58e-05
425	157	1.52	0.35	-0.06	0.0	1.49e-03	1.38e-05
425	161	0.04	1.74	-0.04	0.0	4.29e-05	6.21e-05
425	186	1.64	-0.62	-0.05	0.0	1.61e-03	-1.85e-05
425	189	1.49	0.36	-0.06	0.0	1.47e-03	1.20e-05
425	193	0.04	1.81	-0.04	0.0	4.15e-05	6.39e-05
425	218	1.90	-0.74	-0.06	0.0	1.87e-03	-1.91e-05
425	221	1.73	0.43	-0.07	0.0	1.71e-03	1.74e-05
425	225	0.05	2.17	-0.05	0.0	4.61e-05	8.05e-05
425	261	-0.44	0.03	-7.62e-03	0.0	-3.02e-04	-4.50e-04

425	268	0.01	0.07	-0.02	0.0	5.68e-06	-2.54e-05
425	276	0.01	0.11	-0.02	0.0	5.95e-06	-2.12e-05
425	304	-0.08	0.01	-0.01	0.0	-5.90e-05	-9.97e-05
425	307	9.51e-03	0.03	-0.01	0.0	3.55e-06	-1.97e-05
425	310	9.14e-03	0.01	-0.01	0.0	3.09e-06	-1.99e-05
426	45	-0.86	0.05	-7.59e-03	0.0	-2.72e-04	-8.16e-04
426	52	0.02	0.18	-0.04	0.0	-3.01e-06	-5.06e-05
426	68	0.02	0.26	-0.03	0.0	0.0	-4.27e-05
426	122	2.21	-0.79	-0.07	0.0	1.43e-03	-1.68e-05
426	125	2.01	0.50	-0.09	0.0	1.30e-03	1.47e-05
426	129	0.06	2.38	-0.06	0.0	3.59e-05	6.32e-05
426	154	2.48	-0.90	-0.08	0.0	1.60e-03	-1.59e-05
426	157	2.26	0.56	-0.10	0.0	1.46e-03	1.97e-05
426	161	0.07	2.69	-0.07	0.0	4.05e-05	7.48e-05
426	186	2.44	-0.92	-0.08	0.0	1.58e-03	-1.87e-05
426	189	2.23	0.59	-0.10	0.0	1.44e-03	1.75e-05
426	193	0.06	2.79	-0.07	0.0	3.93e-05	7.66e-05
426	218	2.84	-1.11	-0.09	0.0	1.83e-03	-1.83e-05
426	221	2.59	0.70	-0.11	0.0	1.68e-03	2.49e-05
426	225	0.07	3.36	-0.08	0.0	4.48e-05	9.69e-05
426	261	-0.57	0.04	-0.01	0.0	-1.82e-04	-5.50e-04
426	268	0.02	0.12	-0.03	0.0	-2.14e-06	-3.50e-05
426	276	0.01	0.17	-0.03	0.0	0.0	-2.97e-05
426	304	-0.11	0.02	-0.02	0.0	-3.80e-05	-1.23e-04
426	307	0.01	0.05	-0.02	0.0	-2.55e-06	-2.70e-05
426	310	0.01	0.02	-0.02	0.0	-3.07e-06	-2.70e-05
427	28	-0.03	0.03	-0.06	-5.45e-05	0.0	1.20e-06
427	45	-0.09	0.01	-0.03	-2.75e-05	0.0	0.0
427	68	0.03	0.07	-0.05	-1.68e-04	0.0	-1.27e-06
427	122	0.73	-0.16	-0.03	3.71e-04	0.0	1.61e-05
427	137	0.09	0.53	9.11e-03	-1.25e-03	0.0	-2.95e-05
427	140	-0.06	-0.51	-0.08	1.20e-03	0.0	3.11e-05
427	154	0.82	-0.18	-0.03	4.23e-04	0.0	1.81e-05
427	169	0.10	0.60	0.01	-1.41e-03	0.0	-3.35e-05
427	172	-0.07	-0.58	-0.08	1.36e-03	0.0	3.51e-05
427	186	0.81	-0.19	-0.03	4.36e-04	0.0	1.81e-05
427	201	0.10	0.62	0.02	-1.45e-03	0.0	-3.46e-05
427	204	-0.07	-0.59	-0.08	1.40e-03	0.0	3.62e-05
427	218	0.93	-0.23	-0.04	5.27e-04	0.0	2.13e-05
427	233	0.11	0.73	0.03	-1.72e-03	0.0	-4.14e-05
427	236	-0.08	-0.71	-0.09	1.67e-03	0.0	4.30e-05
427	256	-0.02	0.02	-0.04	-3.74e-05	0.0	0.0
427	261	-0.06	0.01	-0.03	-2.37e-05	0.0	0.0
427	276	0.02	0.05	-0.03	-1.13e-04	0.0	0.0
427	298	0.02	0.01	-0.03	-2.58e-05	0.0	0.0
427	303	0.02	0.01	-0.03	-2.31e-05	0.0	0.0
427	307	0.02	0.02	-0.03	-4.15e-05	0.0	0.0
427	310	0.02	0.01	-0.03	-2.41e-05	0.0	0.0
428	1	0.0	0.0	0.0	-1.46e-05	0.0	0.0
428	113	0.0	0.0	0.0	-6.02e-04	0.0	1.72e-06
428	145	0.0	0.0	0.0	-6.78e-04	0.0	1.90e-06
428	177	0.0	0.0	0.0	-6.98e-04	0.0	1.81e-06
428	209	0.0	0.0	0.0	-8.33e-04	0.0	2.03e-06
428	241	0.0	0.0	0.0	-1.08e-05	0.0	0.0
428	297	0.0	0.0	0.0	-1.38e-05	0.0	0.0
428	309	0.0	0.0	0.0	-1.38e-05	0.0	0.0
429	28	-0.07	0.05	-0.11	-5.47e-05	0.0	3.97e-06
429	45	-0.18	0.03	-0.04	-2.76e-05	0.0	1.83e-06
429	68	0.05	0.16	-0.09	-1.83e-04	0.0	0.0
429	122	1.49	-0.35	-0.05	4.17e-04	0.0	2.40e-05
429	137	0.18	1.19	0.02	-1.42e-03	0.0	-3.64e-05
429	144	-0.23	-1.04	-0.14	1.25e-03	0.0	4.91e-05
429	154	1.67	-0.40	-0.05	4.75e-04	0.0	2.67e-05
429	169	0.19	1.34	0.03	-1.60e-03	0.0	-4.15e-05
429	176	-0.26	-1.18	-0.15	1.42e-03	0.0	5.52e-05
429	186	1.64	-0.42	-0.05	4.90e-04	0.0	2.65e-05
429	201	0.20	1.37	0.03	-1.64e-03	0.0	-4.29e-05
429	204	-0.14	-1.33	-0.15	1.60e-03	0.0	4.74e-05
429	218	1.90	-0.50	-0.05	5.93e-04	0.0	3.07e-05
429	233	0.23	1.63	0.05	-1.95e-03	0.0	-5.16e-05
429	236	-0.17	-1.58	-0.17	1.90e-03	0.0	5.62e-05
429	256	-0.04	0.04	-0.08	-3.75e-05	0.0	2.87e-06
429	261	-0.12	0.02	-0.05	-2.38e-05	0.0	2.03e-06
429	276	0.03	0.11	-0.06	-1.23e-04	0.0	0.0
429	298	0.03	0.03	-0.06	-2.58e-05	0.0	2.29e-06

429	303	0.04	0.02	-0.06	-2.31e-05	0.0	2.30e-06
429	307	0.03	0.04	-0.06	-4.35e-05	0.0	1.75e-06
429	310	0.03	0.02	-0.06	-2.41e-05	0.0	2.28e-06
430	28	-0.11	0.08	-0.16	-5.26e-05	0.0	9.28e-06
430	45	-0.28	0.04	-0.06	-2.69e-05	0.0	4.46e-06
430	68	0.06	0.26	-0.12	-1.98e-04	0.0	4.11e-06
430	122	2.26	-0.58	-0.06	4.62e-04	0.0	2.54e-05
430	137	0.27	1.95	0.02	-1.59e-03	0.0	-2.31e-05
430	144	-0.36	-1.71	-0.19	1.42e-03	0.0	4.59e-05
430	154	2.53	-0.66	-0.06	5.26e-04	0.0	2.78e-05
430	169	0.29	2.20	0.03	-1.80e-03	0.0	-2.68e-05
430	176	-0.41	-1.94	-0.20	1.61e-03	0.0	5.12e-05
430	186	2.49	-0.68	-0.06	5.44e-04	0.0	2.68e-05
430	201	0.30	2.26	0.03	-1.84e-03	0.0	-2.75e-05
430	208	-0.41	-2.00	-0.21	1.65e-03	0.0	5.16e-05
430	218	2.89	-0.82	-0.06	6.58e-04	0.0	3.03e-05
430	233	0.34	2.68	0.06	-2.19e-03	0.0	-3.38e-05
430	240	-0.48	-2.38	-0.23	1.97e-03	0.0	6.02e-05
430	256	-0.07	0.06	-0.11	-3.61e-05	0.0	6.57e-06
430	261	-0.18	0.04	-0.06	-2.31e-05	0.0	4.48e-06
430	276	0.04	0.17	-0.09	-1.33e-04	0.0	3.12e-06
430	298	0.04	0.04	-0.09	-2.46e-05	0.0	4.99e-06
430	303	0.06	0.04	-0.08	-2.20e-05	0.0	4.81e-06
430	307	0.04	0.06	-0.08	-4.44e-05	0.0	4.30e-06
430	310	0.04	0.04	-0.09	-2.29e-05	0.0	4.86e-06
431	4	0.10	0.60	0.14	-1.97e-04	0.0	1.12e-05
431	44	-0.80	0.53	0.09	-1.68e-04	0.0	2.48e-05
431	68	-0.08	2.54	0.11	3.42e-04	0.0	-2.05e-05
431	113	8.89	4.87	0.17	-7.79e-04	0.0	2.95e-04
431	116	-9.01	-4.24	-0.06	5.71e-04	0.0	-2.80e-04
431	137	3.91	9.60	0.11	-1.49e-03	0.0	1.99e-04
431	145	10.00	5.46	0.18	-8.67e-04	0.0	3.31e-04
431	148	-10.12	-4.83	-0.07	6.59e-04	0.0	-3.16e-04
431	169	4.41	10.82	0.12	-1.67e-03	0.0	2.24e-04
431	177	9.90	5.58	0.18	-8.85e-04	0.0	3.31e-04
431	180	-10.03	-4.94	-0.07	6.77e-04	0.0	-3.15e-04
431	201	4.40	11.09	0.12	-1.71e-03	0.0	2.24e-04
431	209	11.61	6.59	0.20	-1.04e-03	0.0	3.90e-04
431	212	-11.74	-5.96	-0.09	8.29e-04	0.0	-3.74e-04
431	233	5.18	13.13	0.13	-2.01e-03	0.0	2.63e-04
431	244	0.06	0.41	0.09	-1.37e-04	0.0	7.87e-06
431	264	-0.54	0.37	0.06	-1.17e-04	0.0	1.69e-05
431	276	-0.05	1.71	0.07	2.23e-04	0.0	-1.32e-05
431	298	-0.07	0.34	0.06	-1.10e-04	0.0	8.21e-06
431	305	-0.16	0.32	0.05	-1.04e-04	0.0	9.35e-06
431	307	-0.06	0.59	0.05	-3.58e-05	0.0	3.32e-06
431	310	-0.06	0.32	0.05	-1.04e-04	0.0	7.73e-06
432	28	-0.53	0.62	0.24	-1.99e-04	0.0	2.19e-05
432	44	-0.80	0.54	0.20	-1.70e-04	0.0	2.46e-05
432	68	-0.08	2.53	0.20	3.30e-04	0.0	-1.26e-05
432	116	-9.01	-4.26	0.14	5.79e-04	0.0	-2.81e-04
432	137	3.91	9.67	0.11	-1.50e-03	0.0	2.02e-04
432	148	-10.12	-4.86	0.14	6.68e-04	0.0	-3.17e-04
432	169	4.41	10.89	0.11	-1.69e-03	0.0	2.26e-04
432	180	-10.03	-4.98	0.14	6.87e-04	0.0	-3.17e-04
432	201	4.40	11.16	0.11	-1.73e-03	0.0	2.26e-04
432	212	-11.74	-6.01	0.14	8.42e-04	0.0	-3.76e-04
432	233	5.18	13.21	0.11	-2.03e-03	0.0	2.66e-04
432	256	-0.36	0.43	0.16	-1.38e-04	0.0	1.50e-05
432	264	-0.54	0.38	0.13	-1.19e-04	0.0	1.68e-05
432	276	-0.05	1.70	0.13	2.15e-04	0.0	-7.97e-06
432	298	-0.07	0.34	0.12	-1.11e-04	0.0	8.14e-06
432	305	-0.16	0.32	0.11	-1.05e-04	0.0	9.27e-06
432	307	-0.06	0.59	0.11	-3.80e-05	0.0	4.31e-06
432	310	-0.06	0.32	0.11	-1.05e-04	0.0	7.65e-06
433	4	0.08	0.70	0.15	-1.97e-04	0.0	1.24e-05
433	44	-0.90	0.61	0.10	-1.68e-04	0.0	2.67e-05
433	68	-0.11	2.23	0.11	6.34e-04	0.0	-5.35e-06
433	113	9.76	5.25	0.17	-7.52e-04	0.0	3.12e-04
433	116	-9.93	-4.51	-0.06	5.44e-04	0.0	-2.95e-04
433	137	4.29	10.32	0.11	-1.43e-03	0.0	2.22e-04
433	145	10.98	5.88	0.19	-8.37e-04	0.0	3.50e-04
433	148	-11.15	-5.14	-0.07	6.29e-04	0.0	-3.33e-04
433	169	4.84	11.62	0.12	-1.60e-03	0.0	2.49e-04
433	177	10.88	6.00	0.19	-8.54e-04	0.0	3.50e-04

433	180	-11.05	-5.27	-0.07	6.47e-04	0.0	-3.33e-04
433	201	4.84	11.91	0.12	-1.64e-03	0.0	2.50e-04
433	209	12.75	7.09	0.21	-1.00e-03	0.0	4.13e-04
433	212	-12.93	-6.36	-0.09	7.93e-04	0.0	-3.96e-04
433	233	5.70	14.09	0.13	-1.93e-03	0.0	2.94e-04
433	244	0.05	0.48	0.10	-1.37e-04	0.0	8.73e-06
433	264	-0.61	0.42	0.06	-1.17e-04	0.0	1.83e-05
433	276	-0.08	1.50	0.07	4.18e-04	0.0	-3.09e-06
433	298	-0.09	0.39	0.06	-1.10e-04	0.0	9.01e-06
433	305	-0.19	0.37	0.06	-1.04e-04	0.0	1.02e-05
433	307	-0.08	0.59	0.06	3.09e-06	0.0	5.91e-06
433	310	-0.09	0.37	0.06	-1.04e-04	0.0	8.47e-06
434	28	-0.61	0.72	0.26	-1.99e-04	0.0	2.37e-05
434	44	-0.90	0.63	0.21	-1.70e-04	0.0	2.64e-05
434	68	-0.11	2.23	0.21	6.18e-04	0.0	-1.11e-06
434	116	-9.95	-4.54	0.14	5.53e-04	0.0	-2.96e-04
434	137	4.30	10.39	0.11	-1.45e-03	0.0	2.18e-04
434	148	-11.17	-5.18	0.14	6.39e-04	0.0	-3.35e-04
434	169	4.85	11.71	0.11	-1.63e-03	0.0	2.45e-04
434	180	-11.07	-5.31	0.14	6.58e-04	0.0	-3.35e-04
434	201	4.85	12.00	0.11	-1.66e-03	0.0	2.46e-04
434	212	-12.95	-6.41	0.14	8.07e-04	0.0	-3.97e-04
434	233	5.71	14.19	0.11	-1.96e-03	0.0	2.88e-04
434	256	-0.41	0.50	0.17	-1.38e-04	0.0	1.62e-05
434	264	-0.60	0.43	0.14	-1.19e-04	0.0	1.81e-05
434	276	-0.07	1.50	0.14	4.07e-04	0.0	0.0
434	298	-0.09	0.40	0.13	-1.11e-04	0.0	8.86e-06
434	305	-0.19	0.38	0.12	-1.05e-04	0.0	1.00e-05
434	307	-0.08	0.59	0.12	0.0	0.0	6.37e-06
434	310	-0.08	0.37	0.12	-1.05e-04	0.0	8.33e-06
435	44	-2.02	0.11	8.58e-03	0.0	1.14e-04	-5.72e-04
435	68	-0.04	0.36	0.05	0.0	-8.45e-06	-2.78e-05
435	72	-0.03	0.35	0.05	0.0	-6.30e-06	-2.30e-05
435	123	-2.85	1.12	0.16	0.0	-1.38e-03	-2.32e-05
435	129	0.16	3.25	0.48	0.0	8.70e-05	9.32e-05
435	132	-0.22	-3.17	-0.48	0.0	-1.01e-04	-1.27e-04
435	155	-3.20	1.26	0.18	0.0	-1.55e-03	-2.37e-05
435	161	0.19	3.67	0.54	0.0	9.86e-05	1.07e-04
435	164	-0.25	-3.60	-0.55	0.0	-1.13e-04	-1.41e-04
435	187	-3.15	1.30	0.18	0.0	-1.53e-03	-2.14e-05
435	193	0.19	3.81	0.56	0.0	9.79e-05	1.09e-04
435	196	-0.25	-3.74	-0.57	0.0	-1.12e-04	-1.43e-04
435	219	-3.66	1.55	0.22	0.0	-1.77e-03	-2.12e-05
435	225	0.23	4.58	0.68	0.0	1.16e-04	1.33e-04
435	228	-0.28	-4.51	-0.68	0.0	-1.30e-04	-1.67e-04
435	264	-1.35	0.08	4.58e-03	0.0	7.56e-05	-3.82e-04
435	276	-0.03	0.24	0.03	0.0	-5.95e-06	-1.93e-05
435	305	-0.29	0.04	-1.05e-03	0.0	9.61e-06	-8.97e-05
435	307	-0.03	0.08	4.43e-03	0.0	-6.71e-06	-1.71e-05
435	308	-0.02	5.96e-04	-9.52e-03	0.0	-4.61e-06	-1.03e-05
435	309	-0.02	0.02	-6.20e-03	0.0	-4.44e-06	-1.04e-05
435	310	-0.03	0.04	-2.21e-03	0.0	-7.03e-06	-1.69e-05
436	44	-1.78	0.14	6.84e-03	0.0	6.12e-04	-4.57e-04
436	68	-0.04	0.47	0.05	0.0	-3.32e-06	-2.40e-05
436	72	-0.03	0.45	0.05	0.0	-2.08e-06	-1.99e-05
436	123	-3.54	1.40	0.17	0.0	-1.36e-03	-8.76e-06
436	129	0.21	4.14	0.51	0.0	8.99e-05	1.20e-04
436	132	-0.27	-4.03	-0.52	0.0	-9.75e-05	-1.49e-04
436	155	-3.97	1.58	0.19	0.0	-1.53e-03	-7.74e-06
436	161	0.24	4.68	0.58	0.0	1.01e-04	1.38e-04
436	164	-0.30	-4.58	-0.59	0.0	-1.09e-04	-1.66e-04
436	187	-3.91	1.63	0.20	0.0	-1.50e-03	-5.38e-06
436	193	0.24	4.86	0.60	0.0	1.01e-04	1.40e-04
436	196	-0.30	-4.75	-0.61	0.0	-1.08e-04	-1.68e-04
436	219	-4.53	1.94	0.23	0.0	-1.74e-03	-2.62e-06
436	225	0.28	5.84	0.72	0.0	1.18e-04	1.70e-04
436	228	-0.35	-5.74	-0.73	0.0	-1.26e-04	-1.98e-04
436	264	-1.19	0.10	3.04e-03	0.0	4.08e-04	-3.05e-04
436	276	-0.03	0.31	0.03	0.0	-2.39e-06	-1.67e-05
436	305	-0.26	0.06	-3.10e-03	0.0	7.85e-05	-7.21e-05
436	307	-0.03	0.10	2.67e-03	0.0	-3.47e-06	-1.44e-05
436	308	-0.02	4.12e-03	-0.01	0.0	-2.67e-06	-8.72e-06
436	309	-0.02	0.03	-8.82e-03	0.0	-2.50e-06	-8.81e-06
436	310	-0.03	0.05	-4.36e-03	0.0	-3.80e-06	-1.43e-05
437	44	-1.71	0.11	-8.40e-04	0.0	6.03e-05	-5.53e-04

437	68	-0.02	0.36	9.60e-03	0.0	-9.65e-06	-2.93e-05
437	89	-0.02	-0.12	-0.02	0.0	-8.33e-06	-1.47e-05
437	123	-2.87	1.12	0.07	0.0	-1.38e-03	-2.58e-05
437	129	0.14	3.25	0.17	0.0	6.99e-05	9.21e-05
437	132	-0.18	-3.17	-0.18	0.0	-8.59e-05	-1.28e-04
437	155	-3.22	1.26	0.08	0.0	-1.55e-03	-2.65e-05
437	161	0.16	3.67	0.19	0.0	7.94e-05	1.06e-04
437	164	-0.19	-3.60	-0.20	0.0	-9.54e-05	-1.42e-04
437	187	-3.16	1.30	0.08	0.0	-1.53e-03	-2.42e-05
437	193	0.16	3.81	0.20	0.0	7.86e-05	1.08e-04
437	196	-0.19	-3.74	-0.21	0.0	-9.46e-05	-1.44e-04
437	219	-3.67	1.55	0.10	0.0	-1.77e-03	-2.43e-05
437	225	0.18	4.58	0.24	0.0	9.28e-05	1.32e-04
437	228	-0.22	-4.51	-0.25	0.0	-1.09e-04	-1.68e-04
437	264	-1.14	0.07	-1.83e-03	0.0	3.99e-05	-3.69e-04
437	276	-0.02	0.24	5.13e-03	0.0	-6.79e-06	-2.04e-05
437	285	-0.01	-0.08	-0.01	0.0	-5.91e-06	-1.06e-05
437	305	-0.24	0.04	-5.11e-03	0.0	1.68e-06	-8.78e-05
437	307	-0.02	0.08	-3.72e-03	0.0	-7.65e-06	-1.80e-05
437	308	-0.01	4.88e-04	-9.21e-03	0.0	-5.17e-06	-1.09e-05
437	309	-0.01	0.02	-8.17e-03	0.0	-4.99e-06	-1.09e-05
437	310	-0.02	0.04	-5.80e-03	0.0	-8.02e-06	-1.79e-05
438	44	-1.53	0.14	4.31e-04	0.0	4.74e-04	-4.34e-04
438	68	-0.03	0.46	0.01	0.0	-8.31e-06	-2.53e-05
438	89	-0.02	-0.15	-0.02	0.0	-7.66e-06	-1.22e-05
438	123	-3.55	1.40	0.09	0.0	-1.36e-03	-1.17e-05
438	129	0.17	4.14	0.22	0.0	7.09e-05	1.19e-04
438	132	-0.22	-4.03	-0.23	0.0	-8.53e-05	-1.49e-04
438	155	-3.98	1.58	0.10	0.0	-1.53e-03	-1.10e-05
438	161	0.20	4.68	0.25	0.0	8.04e-05	1.36e-04
438	164	-0.24	-4.58	-0.26	0.0	-9.48e-05	-1.66e-04
438	187	-3.92	1.63	0.10	0.0	-1.50e-03	-8.64e-06
438	193	0.19	4.85	0.26	0.0	7.95e-05	1.38e-04
438	196	-0.24	-4.75	-0.27	0.0	-9.39e-05	-1.68e-04
438	219	-4.55	1.94	0.12	0.0	-1.74e-03	-6.25e-06
438	225	0.23	5.84	0.32	0.0	9.37e-05	1.68e-04
438	228	-0.28	-5.73	-0.33	0.0	-1.08e-04	-1.98e-04
438	264	-1.02	0.10	-1.28e-03	0.0	3.16e-04	-2.90e-04
438	276	-0.02	0.31	7.61e-03	0.0	-5.86e-06	-1.76e-05
438	285	-0.02	-0.10	-0.02	0.0	-5.43e-06	-8.86e-06
438	305	-0.22	0.06	-5.66e-03	0.0	5.75e-05	-6.97e-05
438	307	-0.02	0.10	-3.88e-03	0.0	-6.82e-06	-1.53e-05
438	308	-0.01	3.90e-03	-0.01	0.0	-4.68e-06	-9.21e-06
438	309	-0.01	0.03	-9.86e-03	0.0	-4.49e-06	-9.29e-06
438	310	-0.02	0.05	-6.56e-03	0.0	-7.19e-06	-1.51e-05
439	18	0.67	0.03	-0.02	0.0	-1.85e-05	2.75e-04
439	43	-1.37	0.11	-0.01	0.0	-5.61e-06	-6.55e-04
439	68	-5.87e-03	0.36	-0.02	0.0	-1.10e-05	-3.62e-05
439	123	-2.88	1.12	0.06	0.0	-1.38e-03	-3.92e-05
439	129	0.11	3.24	0.06	0.0	4.93e-05	8.66e-05
439	134	1.32	-3.00	-0.11	0.0	6.27e-04	-9.86e-05
439	155	-3.24	1.26	0.07	0.0	-1.56e-03	-4.10e-05
439	161	0.12	3.67	0.07	0.0	5.63e-05	1.01e-04
439	166	1.49	-3.40	-0.13	0.0	7.06e-04	-1.09e-04
439	187	-3.18	1.30	0.07	0.0	-1.53e-03	-3.87e-05
439	193	0.12	3.81	0.07	0.0	5.53e-05	1.02e-04
439	198	1.46	-3.53	-0.13	0.0	6.93e-04	-1.11e-04
439	219	-3.70	1.55	0.08	0.0	-1.78e-03	-4.03e-05
439	225	0.14	4.58	0.09	0.0	6.52e-05	1.26e-04
439	230	1.70	-4.26	-0.15	0.0	8.09e-04	-1.30e-04
439	251	0.45	0.02	-0.02	0.0	-1.28e-05	1.82e-04
439	263	-0.92	0.07	-0.01	0.0	-4.16e-06	-4.37e-04
439	276	-4.26e-03	0.24	-0.01	0.0	-7.77e-06	-2.52e-05
439	303	0.08	0.03	-0.02	0.0	-9.79e-06	1.92e-05
439	305	-0.19	0.04	-0.01	0.0	-8.09e-06	-1.05e-04
439	307	-7.21e-03	0.08	-0.01	0.0	-8.79e-06	-2.23e-05
439	310	-8.04e-03	0.04	-0.01	0.0	-9.22e-06	-2.22e-05
440	18	0.60	0.05	-0.03	0.0	-1.78e-04	2.13e-04
440	43	-1.27	0.14	-0.02	0.0	3.03e-04	-5.16e-04
440	68	-0.01	0.46	-0.02	0.0	-1.47e-05	-3.17e-05
440	123	-3.56	1.40	0.07	0.0	-1.36e-03	-2.95e-05
440	129	0.13	4.13	0.07	0.0	4.77e-05	1.12e-04
440	134	1.63	-3.80	-0.14	0.0	6.11e-04	-1.12e-04
440	155	-4.00	1.58	0.08	0.0	-1.53e-03	-3.05e-05
440	161	0.15	4.68	0.09	0.0	5.48e-05	1.29e-04

440	166	1.83	-4.31	-0.16	0.0	6.88e-04	-1.24e-04
440	187	-3.94	1.63	0.08	0.0	-1.50e-03	-2.83e-05
440	193	0.15	4.85	0.09	0.0	5.37e-05	1.30e-04
440	198	1.80	-4.48	-0.16	0.0	6.76e-04	-1.27e-04
440	219	-4.57	1.94	0.10	0.0	-1.74e-03	-2.85e-05
440	225	0.17	5.83	0.11	0.0	6.37e-05	1.59e-04
440	230	2.10	-5.41	-0.19	0.0	7.89e-04	-1.49e-04
440	251	0.40	0.04	-0.02	0.0	-1.19e-04	1.41e-04
440	263	-0.85	0.10	-0.01	0.0	2.01e-04	-3.45e-04
440	276	-9.06e-03	0.31	-0.01	0.0	-1.03e-05	-2.20e-05
440	303	0.07	0.05	-0.02	0.0	-3.29e-05	1.36e-05
440	305	-0.18	0.06	-0.02	0.0	3.11e-05	-8.38e-05
440	307	-0.01	0.10	-0.02	0.0	-1.11e-05	-1.91e-05
440	310	-0.01	0.05	-0.02	0.0	-1.16e-05	-1.89e-05
441	45	-0.94	0.07	-0.01	0.0	-7.85e-05	-8.05e-04
441	52	0.02	0.25	-0.05	0.0	-1.68e-05	-5.65e-05
441	68	0.02	0.36	-0.05	0.0	-1.21e-05	-4.83e-05
441	122	2.92	-1.05	-0.10	0.0	1.38e-03	7.65e-06
441	125	2.66	0.71	-0.12	0.0	1.26e-03	2.55e-05
441	129	0.08	3.24	-0.09	0.0	3.00e-05	7.62e-05
441	154	3.28	-1.19	-0.11	0.0	1.55e-03	1.20e-05
441	157	2.99	0.80	-0.14	0.0	1.42e-03	3.22e-05
441	161	0.09	3.67	-0.09	0.0	3.47e-05	8.98e-05
441	186	3.22	-1.22	-0.10	0.0	1.53e-03	9.60e-06
441	189	2.94	0.83	-0.13	0.0	1.39e-03	3.08e-05
441	193	0.08	3.81	-0.10	0.0	3.36e-05	9.10e-05
441	218	3.75	-1.47	-0.12	0.0	1.78e-03	1.48e-05
441	221	3.42	0.99	-0.15	0.0	1.62e-03	4.06e-05
441	225	0.09	4.58	-0.11	0.0	3.94e-05	1.14e-04
441	261	-0.63	0.05	-0.01	0.0	-5.48e-05	-5.44e-04
441	268	0.01	0.17	-0.03	0.0	-1.17e-05	-3.91e-05
441	276	0.01	0.24	-0.03	0.0	-8.56e-06	-3.36e-05
441	304	-0.12	0.03	-0.02	0.0	-1.61e-05	-1.23e-04
441	307	7.99e-03	0.08	-0.03	0.0	-9.91e-06	-2.98e-05
441	310	7.07e-03	0.04	-0.03	0.0	-1.05e-05	-2.96e-05
442	4	0.28	0.08	-0.06	0.0	-6.55e-05	1.39e-04
442	43	-0.92	0.14	-0.03	0.0	8.31e-05	-6.63e-04
442	68	8.94e-03	0.46	-0.06	0.0	-2.34e-05	-4.31e-05
442	123	-3.59	1.40	0.05	0.0	-1.36e-03	8.67e-05
442	125	3.28	0.94	-0.16	0.0	1.21e-03	-1.17e-04
442	129	0.09	4.13	-0.11	0.0	2.26e-05	9.82e-05
442	155	-4.04	1.58	0.06	0.0	-1.53e-03	1.01e-04
442	157	3.68	1.05	-0.17	0.0	1.36e-03	-1.28e-04
442	161	0.10	4.67	-0.12	0.0	2.73e-05	1.14e-04
442	187	-3.97	1.62	0.06	0.0	-1.50e-03	9.96e-05
442	189	3.63	1.09	-0.17	0.0	1.34e-03	-1.26e-04
442	193	0.10	4.85	-0.12	0.0	2.61e-05	1.15e-04
442	219	-4.62	1.94	0.08	0.0	-1.74e-03	1.21e-04
442	221	4.22	1.29	-0.19	0.0	1.56e-03	-1.42e-04
442	225	0.11	5.83	-0.14	0.0	3.18e-05	1.42e-04
442	244	0.18	0.05	-0.04	0.0	-4.45e-05	9.13e-05
442	263	-0.62	0.10	-0.03	0.0	5.46e-05	-4.43e-04
442	276	5.98e-03	0.31	-0.04	0.0	-1.64e-05	-2.99e-05
442	298	-5.71e-04	0.05	-0.04	0.0	-1.87e-05	-2.74e-05
442	305	-0.12	0.06	-0.03	0.0	-2.86e-06	-1.09e-04
442	307	6.31e-04	0.10	-0.04	0.0	-1.70e-05	-2.60e-05
442	310	-5.69e-04	0.05	-0.04	0.0	-1.75e-05	-2.57e-05
443	28	-0.16	0.11	-0.21	-4.56e-05	0.0	1.68e-05
443	45	-0.37	0.06	-0.08	-2.42e-05	0.0	8.23e-06
443	68	0.08	0.36	-0.17	-2.06e-04	0.0	9.70e-06
443	122	3.06	-0.82	-0.07	5.01e-04	0.0	2.92e-05
443	137	0.99	2.80	8.34e-03	-1.74e-03	0.0	-8.37e-06
443	144	-1.13	-2.47	-0.24	1.56e-03	0.0	4.43e-05
443	154	3.43	-0.94	-0.07	5.70e-04	0.0	3.17e-05
443	169	1.10	3.16	0.02	-1.96e-03	0.0	-1.05e-05
443	176	-1.27	-2.80	-0.25	1.77e-03	0.0	4.87e-05
443	186	3.38	-0.97	-0.07	5.90e-04	0.0	3.07e-05
443	201	1.07	3.24	0.03	-2.01e-03	0.0	-1.01e-05
443	208	-1.24	-2.88	-0.26	1.82e-03	0.0	4.80e-05
443	218	3.92	-1.17	-0.07	7.13e-04	0.0	3.43e-05
443	233	1.24	3.85	0.05	-2.39e-03	0.0	-1.36e-05
443	240	-1.44	-3.44	-0.28	2.17e-03	0.0	5.49e-05
443	256	-0.10	0.08	-0.15	-3.12e-05	0.0	1.18e-05
443	261	-0.24	0.05	-0.09	-2.05e-05	0.0	7.87e-06
443	276	0.05	0.25	-0.12	-1.38e-04	0.0	7.04e-06

443	298	0.04	0.05	-0.12	-2.06e-05	0.0	8.72e-06
443	303	0.07	0.05	-0.11	-1.83e-05	0.0	8.23e-06
443	307	0.04	0.09	-0.11	-4.25e-05	0.0	7.82e-06
443	310	0.04	0.05	-0.11	-1.92e-05	0.0	8.38e-06
444	28	-0.21	0.13	-0.28	-3.31e-05	0.0	2.41e-05
444	45	-0.47	0.07	-0.11	-1.93e-05	0.0	1.21e-05
444	68	0.09	0.47	-0.22	-2.05e-04	0.0	1.45e-05
444	122	3.94	-1.08	-0.09	4.27e-04	0.0	3.45e-05
444	137	1.27	3.71	-0.01	-1.84e-03	0.0	1.38e-06
444	144	-1.45	-3.30	-0.29	1.71e-03	0.0	4.69e-05
444	154	4.42	-1.23	-0.08	4.86e-04	0.0	3.73e-05
444	169	1.42	4.19	4.68e-03	-2.08e-03	0.0	0.0
444	176	-1.64	-3.74	-0.31	1.93e-03	0.0	5.11e-05
444	186	4.35	-1.27	-0.08	5.07e-04	0.0	3.63e-05
444	201	1.38	4.30	8.35e-03	-2.14e-03	0.0	1.81e-06
444	208	-1.60	-3.84	-0.31	1.98e-03	0.0	4.91e-05
444	218	5.05	-1.54	-0.07	6.16e-04	0.0	4.06e-05
444	233	1.59	5.11	0.04	-2.54e-03	0.0	0.0
444	240	-1.86	-4.58	-0.34	2.36e-03	0.0	5.52e-05
444	256	-0.14	0.09	-0.19	-2.25e-05	0.0	1.68e-05
444	261	-0.31	0.06	-0.11	-1.56e-05	0.0	1.12e-05
444	276	0.06	0.32	-0.16	-1.37e-04	0.0	1.04e-05
444	298	0.05	0.06	-0.16	-1.36e-05	0.0	1.21e-05
444	303	0.08	0.06	-0.15	-1.18e-05	0.0	1.13e-05
444	307	0.05	0.11	-0.15	-3.73e-05	0.0	1.10e-05
444	310	0.05	0.06	-0.15	-1.27e-05	0.0	1.16e-05
445	4	0.02	0.80	0.16	-2.67e-04	0.0	1.35e-05
445	44	-1.02	0.70	0.11	-2.33e-04	0.0	2.87e-05
445	68	-0.17	1.73	0.13	-1.38e-03	0.0	1.43e-05
445	113	10.34	5.61	0.18	-6.30e-04	0.0	3.29e-04
445	116	-10.60	-4.77	-0.05	3.50e-04	0.0	-3.10e-04
445	137	4.54	11.00	0.12	-1.17e-03	0.0	2.43e-04
445	145	11.64	6.28	0.19	-6.94e-04	0.0	3.69e-04
445	148	-11.90	-5.44	-0.07	4.14e-04	0.0	-3.51e-04
445	169	5.12	12.39	0.13	-1.30e-03	0.0	2.73e-04
445	177	11.53	6.42	0.19	-7.07e-04	0.0	3.70e-04
445	180	-11.79	-5.57	-0.07	4.27e-04	0.0	-3.51e-04
445	201	5.12	12.70	0.13	-1.33e-03	0.0	2.74e-04
445	209	13.53	7.58	0.21	-8.18e-04	0.0	4.36e-04
445	212	-13.79	-6.74	-0.09	5.38e-04	0.0	-4.17e-04
445	233	6.04	15.02	0.14	-1.56e-03	0.0	3.23e-04
445	244	4.41e-03	0.55	0.11	-1.86e-04	0.0	9.53e-06
445	264	-0.68	0.48	0.07	-1.63e-04	0.0	1.96e-05
445	276	-0.12	1.17	0.08	-9.29e-04	0.0	1.01e-05
445	298	-0.13	0.45	0.07	-1.48e-04	0.0	9.77e-06
445	305	-0.24	0.42	0.06	-1.40e-04	0.0	1.10e-05
445	307	-0.12	0.56	0.06	-2.93e-04	0.0	9.10e-06
445	310	-0.13	0.42	0.06	-1.40e-04	0.0	9.19e-06
446	28	-0.72	0.82	0.29	-2.66e-04	0.0	2.55e-05
446	44	-1.02	0.71	0.24	-2.32e-04	0.0	2.86e-05
446	68	-0.17	1.74	0.24	-1.37e-03	0.0	1.32e-05
446	116	-10.60	-4.80	0.14	3.52e-04	0.0	-3.11e-04
446	119	-9.05	0.81	0.14	-1.91e-04	0.0	-1.55e-04
446	137	4.54	11.09	0.14	-1.17e-03	0.0	2.42e-04
446	148	-11.90	-5.48	0.14	4.16e-04	0.0	-3.51e-04
446	151	-10.14	0.87	0.14	-1.98e-04	0.0	-1.75e-04
446	169	5.12	12.49	0.14	-1.30e-03	0.0	2.72e-04
446	180	-11.79	-5.62	0.14	4.31e-04	0.0	-3.52e-04
446	183	-9.98	0.94	0.14	-2.02e-04	0.0	-1.71e-04
446	201	5.12	12.80	0.14	-1.33e-03	0.0	2.74e-04
446	212	-13.79	-6.80	0.14	5.43e-04	0.0	-4.18e-04
446	215	-11.63	1.05	0.14	-2.14e-04	0.0	-2.02e-04
446	233	6.04	15.14	0.14	-1.56e-03	0.0	3.22e-04
446	256	-0.49	0.57	0.20	-1.85e-04	0.0	1.75e-05
446	264	-0.68	0.49	0.16	-1.62e-04	0.0	1.96e-05
446	276	-0.12	1.18	0.16	-9.23e-04	0.0	9.32e-06
446	298	-0.13	0.45	0.15	-1.47e-04	0.0	9.49e-06
446	305	-0.24	0.43	0.14	-1.40e-04	0.0	1.08e-05
446	307	-0.12	0.57	0.14	-2.92e-04	0.0	8.74e-06
446	310	-0.13	0.43	0.14	-1.40e-04	0.0	8.92e-06
447	44	-1.22	0.80	-0.41	0.0	-1.85e-04	3.12e-06
447	52	-0.31	1.39	-0.55	0.0	-7.36e-05	6.01e-06
447	68	-0.26	1.65	-0.53	0.0	-6.10e-05	4.60e-06
447	123	-8.39	3.07	-0.34	0.0	-1.04e-03	1.07e-04
447	129	0.72	11.25	-1.24	0.0	4.05e-04	3.34e-04

447	155	-9.41	3.43	-0.35	0.0	-1.17e-03	1.20e-04
447	161	0.82	12.69	-1.37	0.0	4.60e-04	3.76e-04
447	187	-9.26	3.56	-0.37	0.0	-1.15e-03	1.21e-04
447	193	0.81	13.16	-1.41	0.0	4.52e-04	3.82e-04
447	219	-10.73	4.22	-0.39	0.0	-1.33e-03	1.44e-04
447	225	0.98	15.78	-1.64	0.0	5.35e-04	4.55e-04
447	264	-0.82	0.55	-0.29	0.0	-1.25e-04	2.27e-06
447	268	-0.22	0.94	-0.38	0.0	-5.11e-05	4.20e-06
447	276	-0.18	1.12	-0.37	0.0	-4.27e-05	3.26e-06
447	305	-0.30	0.44	-0.27	0.0	-5.73e-05	3.03e-06
447	307	-0.17	0.55	-0.29	0.0	-4.08e-05	3.23e-06
447	310	-0.17	0.42	-0.27	0.0	-4.14e-05	3.32e-06
448	44	-1.29	0.90	-0.46	-1.99e-04	-1.43e-04	1.14e-05
448	52	-0.35	1.54	-0.61	-2.76e-04	-1.30e-04	3.13e-06
448	68	-0.29	1.81	-0.59	-2.89e-04	-1.14e-04	1.42e-06
448	123	-8.95	3.31	-0.37	-4.81e-04	-5.97e-04	6.45e-05
448	129	0.76	12.03	-1.30	-1.26e-03	-1.85e-05	3.44e-04
448	155	-10.03	3.69	-0.38	-5.29e-04	-6.62e-04	7.29e-05
448	161	0.87	13.57	-1.43	-1.42e-03	-1.23e-05	3.88e-04
448	187	-9.88	3.84	-0.39	-5.42e-04	-6.52e-04	7.65e-05
448	193	0.86	14.07	-1.48	-1.46e-03	-1.36e-05	3.93e-04
448	219	-11.45	4.54	-0.42	-6.28e-04	-7.46e-04	9.23e-05
448	225	1.04	16.86	-1.71	-1.74e-03	-4.30e-06	4.68e-04
448	264	-0.87	0.63	-0.33	-1.39e-04	-9.94e-05	7.76e-06
448	268	-0.24	1.05	-0.43	-1.91e-04	-9.04e-05	2.22e-06
448	276	-0.20	1.23	-0.41	-1.99e-04	-7.96e-05	1.08e-06
448	298	-0.21	0.51	-0.32	-1.20e-04	-7.34e-05	2.41e-06
448	305	-0.33	0.50	-0.30	-1.16e-04	-7.38e-05	3.28e-06
448	307	-0.19	0.62	-0.32	-1.28e-04	-6.98e-05	1.95e-06
448	310	-0.19	0.48	-0.31	-1.14e-04	-6.97e-05	2.21e-06
449	44	-1.33	0.18	2.90e-03	0.0	9.49e-04	-2.71e-04
449	68	-0.04	0.57	0.05	0.0	0.0	-1.72e-05
449	72	-0.03	0.55	0.05	0.0	0.0	-1.44e-05
449	123	-4.14	1.66	0.16	0.0	-1.34e-03	8.70e-06
449	129	0.25	4.95	0.50	0.0	9.21e-05	1.47e-04
449	132	-0.32	-4.81	-0.52	0.0	-9.52e-05	-1.67e-04
449	155	-4.65	1.87	0.19	0.0	-1.51e-03	1.13e-05
449	161	0.29	5.60	0.57	0.0	1.04e-04	1.67e-04
449	164	-0.35	-5.46	-0.59	0.0	-1.07e-04	-1.87e-04
449	187	-4.57	1.93	0.19	0.0	-1.48e-03	1.37e-05
449	193	0.29	5.81	0.60	0.0	1.03e-04	1.70e-04
449	196	-0.35	-5.67	-0.61	0.0	-1.06e-04	-1.89e-04
449	219	-5.31	2.30	0.23	0.0	-1.73e-03	1.92e-05
449	225	0.34	6.99	0.72	0.0	1.20e-04	2.04e-04
449	228	-0.40	-6.85	-0.74	0.0	-1.23e-04	-2.24e-04
449	264	-0.89	0.12	-1.27e-04	0.0	6.33e-04	-1.81e-04
449	276	-0.03	0.38	0.03	0.0	0.0	-1.20e-05
449	285	-0.02	-0.11	-0.03	0.0	-2.02e-06	-5.61e-06
449	305	-0.20	0.08	-6.67e-03	0.0	1.25e-04	-4.38e-05
449	307	-0.03	0.13	-9.75e-04	0.0	-1.24e-06	-9.97e-06
449	308	-0.02	8.83e-03	-0.02	0.0	-1.35e-06	-6.04e-06
449	309	-0.02	0.04	-0.01	0.0	-1.18e-06	-6.14e-06
449	310	-0.03	0.07	-8.02e-03	0.0	-1.58e-06	-9.76e-06
450	44	-0.65	0.22	-4.91e-03	0.0	-1.49e-03	7.38e-06
450	68	-0.04	0.68	0.03	0.0	-8.38e-05	-6.93e-06
450	89	-0.03	-0.20	-0.05	0.0	-5.03e-05	-2.23e-06
450	123	-4.74	1.92	0.15	0.0	-1.54e-03	2.61e-05
450	129	0.30	5.78	0.46	0.0	2.72e-05	1.76e-04
450	132	-0.36	-5.61	-0.49	0.0	-1.36e-04	-1.82e-04
450	155	-5.32	2.16	0.17	0.0	-1.73e-03	3.01e-05
450	161	0.34	6.54	0.53	0.0	3.75e-05	1.99e-04
450	164	-0.40	-6.37	-0.56	0.0	-1.46e-04	-2.05e-04
450	187	-5.23	2.23	0.17	0.0	-1.70e-03	3.27e-05
450	193	0.34	6.78	0.55	0.0	3.92e-05	2.01e-04
450	196	-0.40	-6.61	-0.58	0.0	-1.48e-04	-2.08e-04
450	219	-6.08	2.66	0.21	0.0	-1.97e-03	4.06e-05
450	225	0.40	8.16	0.66	0.0	5.56e-05	2.41e-04
450	228	-0.46	-7.98	-0.69	0.0	-1.64e-04	-2.47e-04
450	264	-0.43	0.15	-6.30e-03	0.0	-9.99e-04	4.74e-06
450	276	-0.03	0.46	0.02	0.0	-5.87e-05	-4.80e-06
450	285	-0.02	-0.13	-0.04	0.0	-3.64e-05	-1.66e-06
450	305	-0.11	0.10	-0.01	0.0	-2.42e-04	-1.47e-06
450	307	-0.03	0.16	-8.22e-03	0.0	-5.39e-05	-3.38e-06
450	308	-0.02	0.01	-0.02	0.0	-3.57e-05	-2.12e-06
450	309	-0.02	0.05	-0.02	0.0	-3.56e-05	-2.23e-06

450	310	-0.03	0.09	-0.01	0.0	-5.42e-05	-3.15e-06
451	44	-1.19	0.18	2.10e-03	0.0	7.57e-04	-2.54e-04
451	68	-0.03	0.57	0.02	0.0	-7.33e-06	-1.83e-05
451	89	-0.03	-0.18	-0.03	0.0	-7.19e-06	-8.17e-06
451	123	-4.15	1.66	0.11	0.0	-1.34e-03	6.59e-06
451	129	0.20	4.95	0.27	0.0	7.17e-05	1.46e-04
451	132	-0.26	-4.81	-0.29	0.0	-8.49e-05	-1.67e-04
451	155	-4.66	1.87	0.12	0.0	-1.51e-03	9.02e-06
451	161	0.23	5.60	0.31	0.0	8.13e-05	1.66e-04
451	164	-0.28	-5.46	-0.32	0.0	-9.45e-05	-1.87e-04
451	187	-4.59	1.92	0.13	0.0	-1.48e-03	1.13e-05
451	193	0.23	5.81	0.32	0.0	8.03e-05	1.68e-04
451	196	-0.28	-5.67	-0.34	0.0	-9.35e-05	-1.89e-04
451	219	-5.33	2.30	0.15	0.0	-1.72e-03	1.65e-05
451	225	0.27	6.98	0.39	0.0	9.45e-05	2.03e-04
451	228	-0.32	-6.85	-0.40	0.0	-1.08e-04	-2.23e-04
451	264	-0.79	0.12	-5.49e-04	0.0	5.05e-04	-1.70e-04
451	276	-0.02	0.38	0.01	0.0	-5.18e-06	-1.27e-05
451	285	-0.02	-0.11	-0.02	0.0	-5.09e-06	-5.96e-06
451	305	-0.18	0.08	-6.34e-03	0.0	9.57e-05	-4.21e-05
451	307	-0.02	0.13	-4.14e-03	0.0	-6.21e-06	-1.06e-05
451	308	-0.02	8.41e-03	-0.01	0.0	-4.33e-06	-6.40e-06
451	309	-0.02	0.04	-0.01	0.0	-4.14e-06	-6.51e-06
451	310	-0.03	0.07	-7.53e-03	0.0	-6.59e-06	-1.04e-05
452	44	-0.65	0.22	3.83e-03	0.0	-1.53e-03	1.37e-04
452	68	-0.03	0.67	0.02	0.0	-8.17e-05	-1.06e-05
452	89	-0.03	-0.20	-0.04	0.0	-4.94e-05	-3.70e-06
452	123	-4.75	1.92	0.13	0.0	-1.51e-03	2.29e-05
452	129	0.24	5.77	0.33	0.0	1.14e-05	1.73e-04
452	132	-0.29	-5.60	-0.35	0.0	-1.18e-04	-1.83e-04
452	155	-5.33	2.16	0.15	0.0	-1.69e-03	2.68e-05
452	161	0.27	6.52	0.38	0.0	1.96e-05	1.96e-04
452	164	-0.33	-6.35	-0.40	0.0	-1.26e-04	-2.06e-04
452	187	-5.25	2.22	0.15	0.0	-1.66e-03	2.95e-05
452	193	0.27	6.77	0.39	0.0	2.09e-05	1.98e-04
452	196	-0.32	-6.60	-0.41	0.0	-1.27e-04	-2.08e-04
452	219	-6.09	2.65	0.18	0.0	-1.92e-03	3.72e-05
452	225	0.32	8.14	0.47	0.0	3.34e-05	2.37e-04
452	228	-0.37	-7.97	-0.49	0.0	-1.40e-04	-2.47e-04
452	264	-0.43	0.15	-1.05e-04	0.0	-1.02e-03	9.11e-05
452	276	-0.02	0.45	0.01	0.0	-5.72e-05	-7.33e-06
452	285	-0.02	-0.13	-0.03	0.0	-3.57e-05	-2.74e-06
452	305	-0.11	0.10	-8.26e-03	0.0	-2.45e-04	1.43e-05
452	307	-0.03	0.16	-5.49e-03	0.0	-5.28e-05	-5.39e-06
452	308	-0.02	0.01	-0.02	0.0	-3.49e-05	-3.33e-06
452	309	-0.02	0.05	-0.02	0.0	-3.47e-05	-3.48e-06
452	310	-0.03	0.09	-9.94e-03	0.0	-5.32e-05	-5.09e-06
453	18	0.47	0.07	-0.04	0.0	-2.89e-04	1.22e-04
453	44	-1.04	0.18	-0.02	0.0	5.17e-04	-3.06e-04
453	68	-0.02	0.56	-0.02	0.0	-1.72e-05	-2.26e-05
453	123	-4.17	1.66	0.08	0.0	-1.34e-03	-6.12e-06
453	129	0.15	4.94	0.08	0.0	4.66e-05	1.40e-04
453	134	1.90	-4.53	-0.17	0.0	6.01e-04	-1.24e-04
453	155	-4.68	1.87	0.09	0.0	-1.51e-03	-5.01e-06
453	161	0.17	5.59	0.10	0.0	5.38e-05	1.60e-04
453	166	2.14	-5.14	-0.19	0.0	6.77e-04	-1.39e-04
453	187	-4.60	1.92	0.09	0.0	-1.48e-03	-2.93e-06
453	193	0.17	5.80	0.10	0.0	5.26e-05	1.62e-04
453	198	2.10	-5.34	-0.19	0.0	6.65e-04	-1.42e-04
453	219	-5.35	2.29	0.11	0.0	-1.72e-03	0.0
453	225	0.20	6.97	0.13	0.0	6.28e-05	1.95e-04
453	230	2.45	-6.44	-0.23	0.0	7.76e-04	-1.68e-04
453	251	0.31	0.05	-0.03	0.0	-1.94e-04	8.08e-05
453	264	-0.69	0.12	-0.02	0.0	3.44e-04	-2.05e-04
453	276	-0.01	0.38	-0.02	0.0	-1.20e-05	-1.57e-05
453	303	0.05	0.06	-0.03	0.0	-4.90e-05	6.15e-06
453	305	-0.15	0.08	-0.02	0.0	5.86e-05	-5.09e-05
453	307	-0.02	0.13	-0.02	0.0	-1.27e-05	-1.31e-05
453	310	-0.02	0.07	-0.02	0.0	-1.31e-05	-1.29e-05
454	18	0.26	0.10	-0.05	0.0	5.07e-04	3.17e-05
454	44	-0.65	0.22	-0.03	0.0	-1.23e-03	-9.24e-05
454	68	-0.03	0.67	-0.03	0.0	-6.84e-05	-1.20e-05
454	123	-4.76	1.91	0.09	0.0	-1.35e-03	2.04e-05
454	129	0.17	5.75	0.09	0.0	1.60e-05	1.73e-04
454	134	2.17	-5.25	-0.20	0.0	5.46e-04	-1.38e-04

454	155	-5.35	2.15	0.10	0.0	-1.52e-03	2.41e-05
454	161	0.20	6.51	0.11	0.0	2.39e-05	1.96e-04
454	166	2.44	-5.96	-0.22	0.0	6.18e-04	-1.55e-04
454	187	-5.26	2.22	0.10	0.0	-1.49e-03	2.70e-05
454	193	0.19	6.75	0.11	0.0	2.59e-05	1.98e-04
454	198	2.39	-6.19	-0.23	0.0	6.04e-04	-1.59e-04
454	219	-6.11	2.65	0.13	0.0	-1.73e-03	3.44e-05
454	225	0.23	8.12	0.15	0.0	3.86e-05	2.37e-04
454	230	2.79	-7.48	-0.27	0.0	7.09e-04	-1.89e-04
454	251	0.18	0.07	-0.04	0.0	3.35e-04	2.08e-05
454	264	-0.43	0.15	-0.02	0.0	-8.23e-04	-6.19e-05
454	276	-0.02	0.45	-0.03	0.0	-4.80e-05	-8.33e-06
454	303	0.01	0.08	-0.03	0.0	3.14e-05	0.0
454	305	-0.11	0.10	-0.03	0.0	-2.00e-04	-1.69e-05
454	307	-0.02	0.16	-0.03	0.0	-4.53e-05	-6.18e-06
454	310	-0.03	0.08	-0.03	0.0	-4.58e-05	-5.86e-06
455	4	0.23	0.10	-0.08	0.0	-1.14e-04	7.97e-05
455	43	-0.83	0.17	-0.05	0.0	2.07e-04	-3.96e-04
455	68	-5.40e-03	0.56	-0.08	0.0	-3.12e-05	-2.92e-05
455	123	-4.19	1.66	0.06	0.0	-1.33e-03	7.70e-05
455	125	3.80	1.15	-0.19	0.0	1.17e-03	-8.68e-05
455	129	0.10	4.94	-0.14	0.0	1.69e-05	1.30e-04
455	155	-4.71	1.87	0.07	0.0	-1.49e-03	8.88e-05
455	157	4.28	1.29	-0.21	0.0	1.32e-03	-9.54e-05
455	161	0.11	5.59	-0.15	0.0	2.15e-05	1.49e-04
455	187	-4.64	1.92	0.07	0.0	-1.47e-03	8.82e-05
455	189	4.21	1.33	-0.21	0.0	1.30e-03	-9.33e-05
455	193	0.11	5.80	-0.15	0.0	2.01e-05	1.50e-04
455	219	-5.39	2.29	0.09	0.0	-1.70e-03	1.07e-04
455	221	4.90	1.58	-0.23	0.0	1.51e-03	-1.06e-04
455	225	0.12	6.97	-0.17	0.0	2.56e-05	1.82e-04
455	244	0.15	0.07	-0.06	0.0	-7.70e-05	5.24e-05
455	263	-0.56	0.12	-0.03	0.0	1.37e-04	-2.65e-04
455	276	-4.06e-03	0.38	-0.06	0.0	-2.18e-05	-2.02e-05
455	298	-0.01	0.07	-0.05	0.0	-2.38e-05	-1.78e-05
455	305	-0.12	0.08	-0.04	0.0	9.80e-06	-6.61e-05
455	307	-9.41e-03	0.13	-0.05	0.0	-2.18e-05	-1.70e-05
455	310	-0.01	0.07	-0.05	0.0	-2.23e-05	-1.67e-05
456	4	0.14	0.14	-0.11	0.0	1.36e-04	2.95e-05
456	44	-0.65	0.22	-0.07	0.0	-7.63e-04	-1.39e-04
456	68	-0.02	0.67	-0.10	0.0	-5.60e-05	-1.15e-05
456	123	-4.78	1.91	0.05	0.0	-1.61e-03	1.32e-05
456	125	4.31	1.36	-0.23	0.0	1.38e-03	0.0
456	129	0.10	5.74	-0.17	0.0	-3.23e-05	1.70e-04
456	155	-5.37	2.15	0.07	0.0	-1.80e-03	1.58e-05
456	157	4.85	1.53	-0.25	0.0	1.56e-03	1.54e-06
456	161	0.12	6.50	-0.18	0.0	-3.19e-05	1.92e-04
456	187	-5.28	2.21	0.07	0.0	-1.78e-03	1.81e-05
456	189	4.78	1.58	-0.25	0.0	1.53e-03	0.0
456	193	0.11	6.74	-0.19	0.0	-3.41e-05	1.94e-04
456	219	-6.14	2.64	0.09	0.0	-2.06e-03	2.38e-05
456	221	5.56	1.87	-0.28	0.0	1.79e-03	1.26e-06
456	225	0.13	8.10	-0.21	0.0	-3.63e-05	2.32e-04
456	244	0.09	0.10	-0.08	0.0	8.88e-05	1.94e-05
456	264	-0.44	0.15	-0.05	0.0	-5.11e-04	-9.30e-05
456	276	-0.02	0.45	-0.08	0.0	-3.94e-05	-7.94e-06
456	298	-0.03	0.09	-0.07	0.0	-4.24e-05	-5.40e-06
456	305	-0.11	0.09	-0.06	0.0	-1.33e-04	-2.25e-05
456	307	-0.02	0.16	-0.06	0.0	-3.91e-05	-5.52e-06
456	310	-0.02	0.08	-0.06	0.0	-4.00e-05	-5.12e-06
457	28	-0.31	0.15	-0.36	-1.93e-05	0.0	2.48e-05
457	45	-0.55	0.08	-0.14	-1.39e-05	0.0	1.38e-05
457	68	0.04	0.57	-0.29	-1.99e-04	0.0	1.41e-05
457	122	4.40	-1.33	-0.11	4.53e-04	0.0	-2.64e-05
457	128	-4.25	-1.02	-0.34	5.73e-04	0.0	3.11e-05
457	137	1.39	4.57	-0.05	-1.89e-03	0.0	1.10e-05
457	154	4.94	-1.51	-0.10	5.14e-04	0.0	-3.11e-05
457	160	-4.77	-1.17	-0.36	6.48e-04	0.0	3.35e-05
457	169	1.56	5.17	-0.03	-2.14e-03	0.0	1.12e-05
457	186	4.86	-1.56	-0.10	5.36e-04	0.0	-3.09e-05
457	201	1.52	5.30	-0.03	-2.20e-03	0.0	1.42e-05
457	208	-1.84	-4.76	-0.36	2.06e-03	0.0	4.61e-05
457	218	5.65	-1.89	-0.09	6.48e-04	0.0	-3.87e-05
457	233	1.76	6.30	1.66e-03	-2.62e-03	0.0	1.58e-05
457	240	-2.14	-5.68	-0.40	2.45e-03	0.0	5.08e-05

457	256	-0.20	0.10	-0.25	-1.29e-05	0.0	1.72e-05
457	261	-0.37	0.06	-0.14	-1.03e-05	0.0	1.21e-05
457	276	0.03	0.38	-0.21	-1.33e-04	0.0	1.01e-05
457	298	0.02	0.07	-0.20	-5.99e-06	0.0	1.18e-05
457	304	-0.07	0.04	-0.13	-3.86e-06	0.0	8.56e-06
457	307	0.02	0.13	-0.19	-3.07e-05	0.0	1.07e-05
457	310	0.02	0.06	-0.19	-5.45e-06	0.0	1.12e-05
458	28	-0.41	0.14	-0.50	-1.86e-04	-3.24e-04	1.98e-05
458	43	-0.65	0.14	-0.42	-1.41e-04	-2.77e-04	2.05e-05
458	68	-0.02	0.65	-0.41	-3.04e-04	-2.66e-04	9.66e-06
458	123	-4.78	1.70	-0.37	-4.95e-04	-3.63e-04	6.81e-05
458	128	-4.35	-1.26	-0.43	3.88e-04	-3.10e-04	4.15e-05
458	137	0.47	5.45	-0.13	-1.71e-03	-2.07e-04	-3.74e-06
458	155	-5.37	1.92	-0.39	-5.47e-04	-3.88e-04	7.59e-05
458	160	-4.88	-1.43	-0.45	4.52e-04	-3.28e-04	4.56e-05
458	169	0.53	6.16	-0.11	-1.92e-03	-2.12e-04	-5.17e-06
458	187	-5.29	1.98	-0.38	-5.65e-04	-3.86e-04	7.63e-05
458	192	-4.81	-1.48	-0.45	4.67e-04	-3.25e-04	4.44e-05
458	201	0.54	6.32	-0.11	-1.97e-03	-2.15e-04	-3.92e-06
458	219	-6.14	2.37	-0.40	-6.61e-04	-4.23e-04	8.91e-05
458	224	-5.59	-1.77	-0.48	5.76e-04	-3.50e-04	5.04e-05
458	233	0.63	7.51	-0.08	-2.33e-03	-2.25e-04	-5.71e-06
458	256	-0.28	0.10	-0.35	-1.29e-04	-2.24e-04	1.36e-05
458	263	-0.44	0.09	-0.30	-9.93e-05	-1.93e-04	1.40e-05
458	276	-0.02	0.43	-0.29	-2.08e-04	-1.85e-04	6.84e-06
458	298	-0.02	0.06	-0.28	-1.09e-04	-1.77e-04	8.16e-06
458	305	-0.11	0.06	-0.27	-1.01e-04	-1.69e-04	8.87e-06
458	307	-0.02	0.13	-0.27	-1.21e-04	-1.66e-04	7.33e-06
458	310	-0.02	0.06	-0.27	-1.03e-04	-1.65e-04	7.69e-06
459	45	-0.09	0.01	-0.03	0.0	-1.84e-04	4.36e-06
459	52	0.01	0.05	-0.07	0.0	2.29e-05	4.25e-05
459	68	0.01	0.07	-0.06	0.0	2.14e-05	3.50e-05
459	122	0.74	-0.16	-0.01	0.0	1.49e-03	-3.78e-05
459	131	-0.30	0.44	-0.08	0.0	-5.94e-04	4.97e-05
459	137	0.08	0.53	-0.07	0.0	1.57e-04	5.98e-06
459	154	0.84	-0.18	-8.04e-03	0.0	1.67e-03	-4.53e-05
459	163	-0.33	0.50	-0.09	0.0	-6.69e-04	5.29e-05
459	169	0.09	0.60	-0.08	0.0	1.75e-04	3.98e-06
459	186	0.82	-0.19	-7.85e-03	0.0	1.64e-03	-4.35e-05
459	195	-0.33	0.52	-0.09	0.0	-6.56e-04	5.16e-05
459	201	0.09	0.61	-0.08	0.0	1.76e-04	5.35e-06
459	218	0.95	-0.23	-2.32e-03	0.0	1.91e-03	-5.45e-05
459	227	-0.38	0.62	-0.10	0.0	-7.69e-04	5.65e-05
459	233	0.10	0.73	-0.09	0.0	2.06e-04	2.50e-06
459	261	-0.06	0.01	-0.03	0.0	-1.20e-04	8.38e-06
459	268	0.01	0.04	-0.05	0.0	1.58e-05	2.95e-05
459	276	9.16e-03	0.05	-0.05	0.0	1.48e-05	2.45e-05
459	298	7.51e-03	0.01	-0.04	0.0	1.14e-05	2.48e-05
459	303	0.01	0.01	-0.04	0.0	2.34e-05	2.38e-05
459	307	7.31e-03	0.02	-0.04	0.0	1.13e-05	2.30e-05
459	310	7.06e-03	0.01	-0.04	0.0	1.07e-05	2.32e-05
460	1	0.0	0.0	0.0	0.0	6.74e-05	4.72e-06
460	113	0.0	0.0	0.0	0.0	9.30e-04	3.38e-06
460	145	0.0	0.0	0.0	0.0	1.04e-03	3.20e-06
460	177	0.0	0.0	0.0	0.0	1.02e-03	3.32e-06
460	209	0.0	0.0	0.0	0.0	1.18e-03	3.04e-06
460	241	0.0	0.0	0.0	0.0	4.56e-05	3.39e-06
460	297	0.0	0.0	0.0	0.0	7.47e-06	3.02e-06
460	309	0.0	0.0	0.0	0.0	7.47e-06	3.02e-06
461	45	-0.18	0.03	-0.05	0.0	-1.85e-04	1.44e-06
461	52	0.03	0.12	-0.12	0.0	1.66e-05	7.67e-05
461	68	0.02	0.16	-0.11	0.0	1.63e-05	6.37e-05
461	122	1.49	-0.35	-0.01	0.0	1.48e-03	-2.39e-05
461	137	0.16	1.19	-0.13	0.0	1.55e-04	1.28e-05
461	139	-0.45	1.02	-0.15	0.0	-4.52e-04	3.66e-05
461	154	1.67	-0.40	-4.68e-03	0.0	1.66e-03	-3.16e-05
461	169	0.18	1.34	-0.14	0.0	1.73e-04	9.45e-06
461	171	-0.50	1.16	-0.17	0.0	-5.08e-04	3.61e-05
461	186	1.65	-0.42	-4.26e-03	0.0	1.64e-03	-2.86e-05
461	195	-0.66	1.16	-0.17	0.0	-6.58e-04	9.08e-05
461	201	0.18	1.37	-0.15	0.0	1.74e-04	1.16e-05
461	218	1.91	-0.50	6.79e-03	0.0	1.90e-03	-4.07e-05
461	227	-0.77	1.40	-0.19	0.0	-7.70e-04	9.97e-05
461	233	0.21	1.63	-0.16	0.0	2.04e-04	6.71e-06
461	261	-0.12	0.02	-0.05	0.0	-1.22e-04	1.07e-05

461	268	0.02	0.08	-0.09	0.0	1.15e-05	5.31e-05
461	276	0.02	0.11	-0.08	0.0	1.13e-05	4.44e-05
461	298	0.01	0.03	-0.07	0.0	7.73e-06	4.42e-05
461	303	0.03	0.02	-0.06	0.0	1.99e-05	4.30e-05
461	307	0.01	0.04	-0.07	0.0	7.86e-06	4.13e-05
461	310	0.01	0.02	-0.07	0.0	7.27e-06	4.15e-05
462	45	-0.28	0.04	-0.07	0.0	-1.86e-04	-4.65e-06
462	52	0.03	0.19	-0.17	0.0	6.45e-06	1.10e-04
462	68	0.03	0.26	-0.15	0.0	7.86e-06	9.26e-05
462	122	2.23	-0.58	-9.62e-03	0.0	1.46e-03	-1.88e-05
462	137	0.24	1.95	-0.19	0.0	1.50e-04	5.42e-05
462	139	-0.68	1.68	-0.22	0.0	-4.55e-04	1.19e-04
462	154	2.51	-0.66	5.77e-04	0.0	1.64e-03	-2.81e-05
462	169	0.26	2.20	-0.21	0.0	1.68e-04	5.36e-05
462	171	-0.76	1.90	-0.24	0.0	-5.10e-04	1.26e-04
462	186	2.47	-0.68	1.22e-03	0.0	1.62e-03	-2.52e-05
462	195	-0.99	1.91	-0.24	0.0	-6.57e-04	1.51e-04
462	201	0.27	2.26	-0.21	0.0	1.69e-04	5.36e-05
462	218	2.87	-0.82	0.02	0.0	1.88e-03	-4.00e-05
462	227	-1.16	2.30	-0.27	0.0	-7.68e-04	1.68e-04
462	233	0.31	2.68	-0.23	0.0	1.99e-04	5.30e-05
462	261	-0.18	0.04	-0.07	0.0	-1.24e-04	1.06e-05
462	268	0.02	0.13	-0.12	0.0	4.41e-06	7.62e-05
462	276	0.02	0.17	-0.11	0.0	5.35e-06	6.45e-05
462	298	0.02	0.04	-0.09	0.0	1.84e-06	6.27e-05
462	303	0.04	0.04	-0.09	0.0	1.42e-05	6.13e-05
462	307	0.02	0.06	-0.09	0.0	2.36e-06	5.88e-05
462	310	0.02	0.04	-0.09	0.0	1.73e-06	5.88e-05
463	43	-0.09	0.03	-0.05	0.0	-1.82e-04	2.62e-05
463	68	1.62e-03	0.07	-0.07	0.0	8.01e-06	3.47e-05
463	123	-0.76	0.18	-0.10	0.0	-1.48e-03	8.08e-05
463	137	0.07	0.53	-0.22	0.0	1.43e-04	6.41e-06
463	155	-0.85	0.20	-0.11	0.0	-1.66e-03	8.78e-05
463	169	0.08	0.60	-0.25	0.0	1.61e-04	4.49e-06
463	187	-0.84	0.21	-0.11	0.0	-1.63e-03	8.60e-05
463	201	0.08	0.61	-0.25	0.0	1.63e-04	5.84e-06
463	219	-0.97	0.25	-0.13	0.0	-1.90e-03	9.65e-05
463	233	0.10	0.73	-0.29	0.0	1.91e-04	3.09e-06
463	263	-0.06	0.02	-0.03	0.0	-1.21e-04	1.85e-05
463	276	1.08e-03	0.05	-0.05	0.0	5.49e-06	2.42e-05
463	305	-0.01	0.01	-0.03	0.0	-2.26e-05	2.18e-05
463	307	-2.84e-04	0.02	-0.03	0.0	2.69e-06	2.28e-05
463	310	-5.97e-04	0.01	-0.03	0.0	2.13e-06	2.30e-05
464	1	0.0	0.0	0.0	0.0	5.79e-05	4.12e-06
464	113	0.0	0.0	0.0	0.0	9.14e-04	2.81e-06
464	145	0.0	0.0	0.0	0.0	1.03e-03	2.64e-06
464	177	0.0	0.0	0.0	0.0	1.00e-03	2.75e-06
464	209	0.0	0.0	0.0	0.0	1.17e-03	2.49e-06
464	241	0.0	0.0	0.0	0.0	3.88e-05	2.96e-06
464	297	0.0	0.0	0.0	0.0	1.60e-06	2.63e-06
464	309	0.0	0.0	0.0	0.0	1.60e-06	2.63e-06
465	43	-0.19	0.05	-0.09	0.0	-1.84e-04	4.16e-05
465	68	2.50e-03	0.16	-0.13	0.0	4.05e-06	6.38e-05
465	123	-1.49	0.40	-0.19	0.0	-1.45e-03	1.06e-04
465	137	0.14	1.19	-0.40	0.0	1.38e-04	1.27e-05
465	155	-1.68	0.45	-0.20	0.0	-1.62e-03	1.14e-04
465	169	0.16	1.34	-0.45	0.0	1.55e-04	9.40e-06
465	187	-1.65	0.46	-0.21	0.0	-1.60e-03	1.11e-04
465	201	0.16	1.37	-0.46	0.0	1.57e-04	1.15e-05
465	219	-1.92	0.55	-0.24	0.0	-1.86e-03	1.23e-04
465	233	0.19	1.63	-0.54	0.0	1.85e-04	6.63e-06
465	263	-0.12	0.04	-0.07	0.0	-1.23e-04	2.97e-05
465	276	1.64e-03	0.11	-0.09	0.0	2.73e-06	4.45e-05
465	305	-0.03	0.03	-0.06	0.0	-2.48e-05	3.86e-05
465	307	-9.33e-04	0.04	-0.06	0.0	0.0	4.13e-05
465	310	-1.53e-03	0.02	-0.06	0.0	0.0	4.15e-05
466	43	-0.28	0.08	-0.13	0.0	-1.88e-04	5.29e-05
466	52	-3.72e-03	0.19	-0.18	0.0	-5.48e-06	1.11e-04
466	68	2.29e-04	0.26	-0.18	0.0	-2.57e-06	9.32e-05
466	123	-2.21	0.65	-0.26	0.0	-1.40e-03	1.39e-04
466	137	0.20	1.95	-0.56	0.0	1.29e-04	5.43e-05
466	155	-2.48	0.73	-0.28	0.0	-1.57e-03	1.49e-04
466	169	0.23	2.20	-0.62	0.0	1.45e-04	5.37e-05
466	187	-2.44	0.75	-0.29	0.0	-1.55e-03	1.46e-04
466	201	0.23	2.26	-0.63	0.0	1.47e-04	5.38e-05

466	219	-2.84	0.89	-0.33	0.0	-1.80e-03	1.62e-04
466	233	0.28	2.68	-0.74	0.0	1.74e-04	5.33e-05
466	263	-0.19	0.05	-0.09	0.0	-1.25e-04	3.80e-05
466	268	-2.61e-03	0.13	-0.13	0.0	-3.81e-06	7.67e-05
466	276	2.03e-05	0.17	-0.13	0.0	-1.87e-06	6.50e-05
466	305	-0.04	0.04	-0.09	0.0	-2.84e-05	5.41e-05
466	307	-3.41e-03	0.06	-0.09	0.0	-3.79e-06	5.91e-05
466	310	-4.25e-03	0.04	-0.08	0.0	-4.29e-06	5.91e-05
467	45	-0.37	0.06	-0.08	0.0	-1.86e-04	-1.35e-05
467	52	0.04	0.27	-0.21	0.0	-9.23e-06	1.45e-04
467	68	0.04	0.36	-0.19	0.0	-5.43e-06	1.24e-04
467	122	2.97	-0.82	-8.73e-03	0.0	1.42e-03	2.91e-04
467	137	0.31	2.80	-0.25	0.0	1.38e-04	2.24e-04
467	139	-0.91	2.42	-0.28	0.0	-4.52e-04	6.48e-05
467	154	3.34	-0.94	4.63e-03	0.0	1.59e-03	3.17e-04
467	169	0.35	3.16	-0.27	0.0	1.56e-04	2.42e-04
467	171	-1.02	2.73	-0.31	0.0	-5.06e-04	6.40e-05
467	186	3.29	-0.97	5.46e-03	0.0	1.57e-03	3.12e-04
467	195	-1.32	2.74	-0.31	0.0	-6.50e-04	8.37e-05
467	201	0.35	3.24	-0.27	0.0	1.58e-04	2.43e-04
467	218	3.82	-1.17	0.03	0.0	1.82e-03	3.49e-04
467	227	-1.54	3.30	-0.35	0.0	-7.58e-04	8.81e-05
467	233	0.41	3.85	-0.30	0.0	1.87e-04	2.73e-04
467	261	-0.24	0.05	-0.08	0.0	-1.25e-04	8.69e-06
467	268	0.03	0.18	-0.15	0.0	-6.44e-06	1.01e-04
467	276	0.02	0.25	-0.14	0.0	-3.90e-06	8.62e-05
467	298	0.02	0.05	-0.12	0.0	-7.03e-06	8.14e-05
467	303	0.04	0.05	-0.11	0.0	5.54e-06	8.00e-05
467	307	0.02	0.09	-0.12	0.0	-5.98e-06	7.68e-05
467	310	0.02	0.05	-0.11	0.0	-6.59e-06	7.63e-05
468	45	-0.46	0.07	-0.10	0.0	-1.83e-04	-2.73e-05
468	52	0.03	0.34	-0.26	0.0	-3.24e-05	1.76e-04
468	68	0.03	0.47	-0.24	0.0	-2.54e-05	1.52e-04
468	122	3.68	-1.08	-0.01	0.0	1.32e-03	6.15e-04
468	137	0.38	3.71	-0.30	0.0	1.16e-04	3.89e-04
468	139	-1.13	3.21	-0.35	0.0	-4.41e-04	7.78e-05
468	154	4.13	-1.23	3.03e-03	0.0	1.49e-03	6.80e-04
468	169	0.43	4.19	-0.32	0.0	1.33e-04	4.27e-04
468	171	-1.27	3.62	-0.37	0.0	-4.93e-04	7.75e-05
468	186	4.06	-1.27	4.02e-03	0.0	1.46e-03	6.68e-04
468	195	-1.64	3.64	-0.38	0.0	-6.33e-04	8.08e-05
468	201	0.43	4.30	-0.33	0.0	1.34e-04	4.29e-04
468	218	4.72	-1.54	0.03	0.0	1.70e-03	7.60e-04
468	227	-1.92	4.37	-0.43	0.0	-7.37e-04	8.43e-05
468	233	0.50	5.11	-0.37	0.0	1.61e-04	4.90e-04
468	261	-0.31	0.06	-0.10	0.0	-1.27e-04	2.65e-06
468	268	0.02	0.23	-0.18	0.0	-2.24e-05	1.21e-04
468	276	0.02	0.32	-0.17	0.0	-1.78e-05	1.06e-04
468	298	0.01	0.06	-0.15	0.0	-1.98e-05	9.67e-05
468	304	-0.06	0.04	-0.10	0.0	-3.42e-05	4.34e-05
468	307	0.01	0.11	-0.14	0.0	-1.81e-05	9.18e-05
468	310	0.01	0.06	-0.14	0.0	-1.86e-05	9.05e-05
469	43	-0.38	0.11	-0.17	0.0	-1.91e-04	6.13e-05
469	52	-0.01	0.27	-0.23	0.0	-1.38e-05	1.47e-04
469	68	-7.24e-03	0.36	-0.23	0.0	-9.71e-06	1.25e-04
469	123	-2.88	0.92	-0.33	0.0	-1.35e-03	-1.57e-04
469	137	0.26	2.80	-0.68	0.0	1.19e-04	2.32e-04
469	155	-3.24	1.03	-0.35	0.0	-1.52e-03	-1.85e-04
469	169	0.29	3.16	-0.76	0.0	1.35e-04	2.52e-04
469	187	-3.18	1.06	-0.36	0.0	-1.49e-03	-1.80e-04
469	201	0.30	3.24	-0.77	0.0	1.36e-04	2.53e-04
469	219	-3.70	1.27	-0.41	0.0	-1.74e-03	-2.20e-04
469	233	0.35	3.85	-0.90	0.0	1.62e-04	2.84e-04
469	263	-0.25	0.07	-0.12	0.0	-1.28e-04	4.45e-05
469	268	-9.37e-03	0.18	-0.16	0.0	-9.55e-06	1.01e-04
469	276	-5.20e-03	0.25	-0.16	0.0	-6.83e-06	8.69e-05
469	305	-0.06	0.05	-0.11	0.0	-3.24e-05	6.93e-05
469	307	-8.93e-03	0.09	-0.12	0.0	-8.16e-06	7.73e-05
469	310	-9.95e-03	0.05	-0.11	0.0	-8.63e-06	7.68e-05
470	43	-0.47	0.13	-0.21	0.0	-1.93e-04	5.98e-05
470	52	-0.03	0.34	-0.29	0.0	-1.78e-05	1.68e-04
470	68	-0.02	0.47	-0.28	0.0	-1.31e-05	1.45e-04
470	123	-3.51	1.20	-0.39	0.0	-1.34e-03	-4.02e-04
470	137	0.31	3.71	-0.79	0.0	1.18e-04	3.69e-04
470	155	-3.94	1.35	-0.42	0.0	-1.50e-03	-4.63e-04

470	169	0.35	4.19	-0.87	0.0	1.34e-04	4.05e-04
470	187	-3.88	1.39	-0.42	0.0	-1.48e-03	-4.52e-04
470	201	0.35	4.30	-0.89	0.0	1.35e-04	4.07e-04
470	219	-4.51	1.66	-0.48	0.0	-1.72e-03	-5.38e-04
470	233	0.42	5.11	-1.03	0.0	1.60e-04	4.65e-04
470	263	-0.32	0.09	-0.15	0.0	-1.29e-04	4.38e-05
470	268	-0.02	0.23	-0.20	0.0	-1.23e-05	1.16e-04
470	276	-0.01	0.32	-0.19	0.0	-9.16e-06	1.01e-04
470	305	-0.08	0.06	-0.14	0.0	-3.44e-05	7.67e-05
470	307	-0.02	0.11	-0.14	0.0	-1.03e-05	8.76e-05
470	310	-0.02	0.06	-0.14	0.0	-1.08e-05	8.65e-05
471	43	-0.55	0.14	-0.27	0.0	-2.09e-04	2.80e-05
471	52	5.92e-03	0.40	-0.33	0.0	-5.18e-05	1.00e-04
471	68	0.01	0.56	-0.30	0.0	-4.23e-05	8.67e-05
471	123	-4.24	1.45	-0.32	0.0	-1.28e-03	-3.29e-04
471	137	0.43	4.57	-0.36	0.0	9.38e-05	2.99e-04
471	139	-1.33	3.95	-0.41	0.0	-4.30e-04	4.42e-05
471	155	-4.77	1.63	-0.34	0.0	-1.44e-03	-3.76e-04
471	169	0.48	5.17	-0.38	0.0	1.09e-04	3.31e-04
471	171	-1.49	4.46	-0.44	0.0	-4.79e-04	4.45e-05
471	187	-4.69	1.69	-0.34	0.0	-1.42e-03	-3.66e-04
471	195	-1.92	4.48	-0.45	0.0	-6.15e-04	7.43e-05
471	201	0.48	5.30	-0.39	0.0	1.10e-04	3.33e-04
471	219	-5.45	2.01	-0.37	0.0	-1.64e-03	-4.32e-04
471	227	-2.25	5.39	-0.50	0.0	-7.15e-04	8.41e-05
471	233	0.57	6.30	-0.43	0.0	1.34e-04	3.84e-04
471	263	-0.36	0.09	-0.19	0.0	-1.40e-04	2.09e-05
471	268	3.99e-03	0.27	-0.23	0.0	-3.58e-05	6.89e-05
471	276	7.73e-03	0.38	-0.21	0.0	-2.95e-05	6.00e-05
471	298	-1.55e-03	0.07	-0.18	0.0	-3.04e-05	5.44e-05
471	305	-0.07	0.07	-0.18	0.0	-5.05e-05	4.41e-05
471	307	2.56e-04	0.12	-0.18	0.0	-2.82e-05	5.17e-05
471	310	-1.43e-03	0.06	-0.17	0.0	-2.85e-05	5.08e-05
472	43	-0.64	0.14	-0.35	0.0	-2.17e-04	-1.74e-06
472	52	-0.03	0.44	-0.43	0.0	-8.73e-05	-2.95e-06
472	68	-0.02	0.65	-0.38	0.0	-7.06e-05	-3.47e-06
472	123	-4.76	1.70	-0.39	0.0	-1.61e-03	1.62e-05
472	137	0.45	5.45	-0.43	0.0	4.43e-04	-5.72e-06
472	139	-1.51	4.70	-0.48	0.0	-2.03e-04	-9.37e-05
472	155	-5.35	1.92	-0.41	0.0	-1.80e-03	1.88e-05
472	163	-2.22	5.13	-0.52	0.0	-7.25e-04	9.60e-05
472	169	0.51	6.15	-0.45	0.0	5.03e-04	-6.42e-06
472	187	-5.27	1.98	-0.41	0.0	-1.77e-03	2.16e-05
472	195	-2.18	5.33	-0.52	0.0	-7.07e-04	1.00e-04
472	201	0.52	6.32	-0.46	0.0	4.89e-04	-6.06e-06
472	219	-6.12	2.36	-0.44	0.0	-2.05e-03	2.72e-05
472	227	-2.55	6.41	-0.58	0.0	-8.16e-04	1.22e-04
472	233	0.61	7.51	-0.51	0.0	5.78e-04	-7.10e-06
472	263	-0.43	0.09	-0.25	0.0	-1.47e-04	-1.20e-06
472	268	-0.02	0.30	-0.30	0.0	-6.07e-05	-2.01e-06
472	276	-0.01	0.43	-0.27	0.0	-4.95e-05	-2.35e-06
472	298	-0.02	0.06	-0.24	0.0	-5.28e-05	-1.05e-06
472	305	-0.10	0.06	-0.23	0.0	-6.85e-05	-1.03e-06
472	307	-0.02	0.13	-0.23	0.0	-4.87e-05	-1.25e-06
472	310	-0.02	0.06	-0.23	0.0	-4.97e-05	0.0
473	43	-0.56	0.14	-0.27	0.0	-1.94e-04	2.76e-05
473	52	-0.03	0.39	-0.35	0.0	-1.72e-05	9.79e-05
473	68	-0.02	0.56	-0.34	0.0	-1.24e-05	8.48e-05
473	123	-4.12	1.45	-0.44	0.0	-1.35e-03	-3.24e-04
473	137	0.37	4.57	-0.87	0.0	1.23e-04	2.95e-04
473	155	-4.63	1.63	-0.48	0.0	-1.52e-03	-3.70e-04
473	169	0.42	5.16	-0.96	0.0	1.39e-04	3.26e-04
473	187	-4.55	1.69	-0.48	0.0	-1.49e-03	-3.61e-04
473	201	0.42	5.30	-0.98	0.0	1.40e-04	3.28e-04
473	219	-5.29	2.01	-0.54	0.0	-1.73e-03	-4.26e-04
473	233	0.50	6.30	-1.13	0.0	1.67e-04	3.78e-04
473	263	-0.37	0.09	-0.19	0.0	-1.30e-04	2.06e-05
473	268	-0.02	0.27	-0.24	0.0	-1.19e-05	6.75e-05
473	276	-0.01	0.38	-0.23	0.0	-8.74e-06	5.87e-05
473	305	-0.09	0.07	-0.17	0.0	-3.43e-05	4.33e-05
473	307	-0.02	0.12	-0.18	0.0	-1.01e-05	5.06e-05
473	310	-0.02	0.06	-0.17	0.0	-1.06e-05	4.98e-05
474	43	-0.64	0.13	-0.37	0.0	-2.23e-04	-1.05e-05
474	52	-0.02	0.44	-0.48	0.0	-8.23e-05	-1.02e-05
474	68	-0.01	0.65	-0.45	0.0	-6.59e-05	-9.47e-06

474	123	-4.75	1.70	-0.53	0.0	-1.30e-03	-9.10e-06
474	137	0.44	5.45	-0.86	0.0	3.43e-04	-5.66e-06
474	139	-1.50	4.70	-0.97	0.0	-1.68e-04	-1.03e-04
474	155	-5.34	1.91	-0.57	0.0	-1.45e-03	-9.29e-06
474	169	0.49	6.15	-0.94	0.0	3.91e-04	-5.89e-06
474	171	-1.68	5.31	-1.07	0.0	-1.82e-04	-1.16e-04
474	187	-5.26	1.97	-0.57	0.0	-1.43e-03	-6.66e-06
474	201	0.50	6.32	-0.96	0.0	3.79e-04	-5.93e-06
474	203	-1.63	5.46	-1.09	0.0	-1.82e-04	-1.14e-04
474	219	-6.11	2.36	-0.64	0.0	-1.65e-03	-5.10e-06
474	233	0.59	7.51	-1.10	0.0	4.49e-04	-6.42e-06
474	235	-1.88	6.48	-1.25	0.0	-2.05e-04	-1.33e-04
474	263	-0.43	0.09	-0.26	0.0	-1.51e-04	-7.29e-06
474	268	-0.01	0.30	-0.33	0.0	-5.74e-05	-7.07e-06
474	276	-7.93e-03	0.43	-0.31	0.0	-4.64e-05	-6.57e-06
474	298	-0.02	0.06	-0.25	0.0	-5.07e-05	-5.34e-06
474	305	-0.10	0.06	-0.24	0.0	-6.80e-05	-5.44e-06
474	307	-0.01	0.13	-0.25	0.0	-4.66e-05	-5.24e-06
474	310	-0.02	0.06	-0.24	0.0	-4.79e-05	-5.05e-06
475	1	0.0	0.0	0.0	0.0	6.96e-05	-5.30e-06
475	113	0.0	0.0	0.0	0.0	6.51e-04	2.30e-06
475	145	0.0	0.0	0.0	0.0	7.27e-04	3.26e-06
475	177	0.0	0.0	0.0	0.0	7.05e-04	2.97e-06
475	209	0.0	0.0	0.0	0.0	8.14e-04	4.35e-06
475	241	0.0	0.0	0.0	0.0	4.74e-05	-3.88e-06
475	297	0.0	0.0	0.0	0.0	1.12e-05	-3.92e-06
475	309	0.0	0.0	0.0	0.0	1.12e-05	-3.92e-06
476	45	-0.09	-9.15e-03	-0.05	0.0	-1.71e-04	-1.40e-05
476	76	0.01	-0.04	-0.10	0.0	2.69e-05	-3.90e-05
476	92	0.01	-0.04	-0.09	0.0	2.23e-05	-3.33e-05
476	122	0.72	-0.08	-0.09	0.0	1.40e-03	1.41e-04
476	140	-0.02	-0.44	-0.21	0.0	-3.47e-05	-1.21e-05
476	154	0.81	-0.09	-0.09	0.0	1.58e-03	1.62e-04
476	172	-0.02	-0.49	-0.23	0.0	-4.10e-05	-1.07e-05
476	186	0.79	-0.10	-0.09	0.0	1.55e-03	1.59e-04
476	204	-0.02	-0.51	-0.23	0.0	-4.56e-05	-9.77e-06
476	218	0.92	-0.11	-0.10	0.0	1.81e-03	1.88e-04
476	236	-0.03	-0.60	-0.27	0.0	-5.80e-05	-7.16e-06
476	261	-0.06	-9.57e-03	-0.05	0.0	-1.10e-04	-1.49e-05
476	280	8.96e-03	-0.03	-0.07	0.0	1.89e-05	-2.73e-05
476	288	7.50e-03	-0.03	-0.07	0.0	1.58e-05	-2.35e-05
476	298	7.64e-03	-0.01	-0.06	0.0	1.61e-05	-2.29e-05
476	303	0.01	-0.01	-0.05	0.0	2.74e-05	-2.17e-05
476	310	7.28e-03	-0.01	-0.05	0.0	1.53e-05	-2.17e-05
477	28	-0.02	-0.03	-0.08	5.05e-05	0.0	-1.06e-05
477	45	-0.08	-9.85e-03	-0.04	1.84e-05	0.0	-2.34e-05
477	92	0.03	-0.05	-0.06	1.04e-04	0.0	-1.03e-06
477	122	0.64	-0.08	0.05	2.85e-04	0.0	-9.77e-05
477	135	-0.34	0.34	-0.13	-9.42e-04	0.0	1.53e-04
477	140	-0.16	-0.44	0.01	1.13e-03	0.0	-7.89e-05
477	154	0.72	-0.09	0.06	3.19e-04	0.0	-1.10e-04
477	167	-0.38	0.39	-0.15	-1.07e-03	0.0	1.73e-04
477	172	-0.18	-0.50	0.02	1.28e-03	0.0	-8.94e-05
477	186	0.71	-0.10	0.06	3.31e-04	0.0	-1.10e-04
477	199	-0.38	0.41	-0.15	-1.11e-03	0.0	1.77e-04
477	204	-0.17	-0.51	0.02	1.31e-03	0.0	-9.19e-05
477	218	0.82	-0.12	0.07	3.94e-04	0.0	-1.30e-04
477	231	-0.45	0.49	-0.17	-1.35e-03	0.0	2.12e-04
477	236	-0.20	-0.60	0.03	1.56e-03	0.0	-1.10e-04
477	251	0.05	-0.02	-0.04	3.27e-05	0.0	8.52e-06
477	256	-0.01	-0.02	-0.05	3.56e-05	0.0	-7.25e-06
477	288	0.02	-0.03	-0.04	7.15e-05	0.0	0.0
477	298	0.02	-0.01	-0.04	3.00e-05	0.0	1.09e-06
477	303	0.02	-0.01	-0.04	2.88e-05	0.0	2.34e-06
477	305	6.90e-03	-0.01	-0.04	2.85e-05	0.0	-2.17e-06
477	310	0.02	-0.01	-0.04	2.87e-05	0.0	0.0
478	1	0.0	0.0	0.0	2.84e-05	0.0	2.39e-06
478	113	0.0	0.0	0.0	-4.61e-04	0.0	0.0
478	145	0.0	0.0	0.0	-5.26e-04	0.0	0.0
478	177	0.0	0.0	0.0	-5.47e-04	0.0	1.05e-06
478	209	0.0	0.0	0.0	-6.63e-04	0.0	1.20e-06
478	241	0.0	0.0	0.0	2.08e-05	0.0	1.63e-06
478	297	0.0	0.0	0.0	2.09e-05	0.0	0.0
478	309	0.0	0.0	0.0	2.09e-05	0.0	0.0
479	45	-0.17	-0.02	-0.07	0.0	-1.72e-04	-1.91e-05

479	76	0.02	-0.09	-0.15	0.0	2.34e-05	-6.22e-05
479	92	0.02	-0.11	-0.15	0.0	1.94e-05	-5.31e-05
479	122	1.42	-0.25	-0.14	0.0	1.40e-03	2.24e-04
479	140	-0.04	-1.05	-0.36	0.0	-3.66e-05	-3.35e-05
479	154	1.60	-0.28	-0.15	0.0	1.57e-03	2.56e-04
479	172	-0.04	-1.19	-0.40	0.0	-4.29e-05	-3.32e-05
479	186	1.58	-0.29	-0.15	0.0	1.55e-03	2.51e-04
479	204	-0.05	-1.22	-0.41	0.0	-4.74e-05	-3.23e-05
479	218	1.83	-0.35	-0.17	0.0	1.80e-03	2.98e-04
479	236	-0.06	-1.45	-0.47	0.0	-5.96e-05	-3.14e-05
479	261	-0.11	-0.02	-0.07	0.0	-1.11e-04	-2.14e-05
479	280	0.02	-0.06	-0.11	0.0	1.65e-05	-4.35e-05
479	288	0.01	-0.07	-0.10	0.0	1.38e-05	-3.74e-05
479	298	0.01	-0.03	-0.09	0.0	1.41e-05	-3.63e-05
479	303	0.03	-0.03	-0.08	0.0	2.55e-05	-3.45e-05
479	310	0.01	-0.03	-0.08	0.0	1.34e-05	-3.44e-05
480	28	-0.05	-0.06	-0.13	3.78e-05	0.0	-5.40e-06
480	45	-0.16	-0.02	-0.07	1.10e-05	0.0	-4.73e-05
480	92	0.05	-0.11	-0.10	1.06e-04	0.0	2.63e-05
480	122	1.31	-0.25	0.08	3.44e-04	0.0	-9.50e-05
480	135	-0.71	0.85	-0.23	-1.16e-03	0.0	1.87e-04
480	140	-0.34	-1.05	0.02	1.36e-03	0.0	-4.46e-05
480	154	1.47	-0.28	0.10	3.87e-04	0.0	-1.09e-04
480	167	-0.80	0.97	-0.25	-1.32e-03	0.0	2.09e-04
480	172	-0.38	-1.19	0.04	1.53e-03	0.0	-5.20e-05
480	186	1.45	-0.30	0.10	4.02e-04	0.0	-1.08e-04
480	199	-0.79	1.01	-0.26	-1.37e-03	0.0	2.10e-04
480	204	-0.36	-1.22	0.04	1.57e-03	0.0	-5.05e-05
480	218	1.68	-0.35	0.13	4.81e-04	0.0	-1.29e-04
480	231	-0.94	1.22	-0.30	-1.66e-03	0.0	2.46e-04
480	236	-0.42	-1.45	0.06	1.87e-03	0.0	-6.21e-05
480	256	-0.03	-0.04	-0.09	2.70e-05	0.0	-3.10e-06
480	261	-0.10	-0.02	-0.07	1.40e-05	0.0	-2.84e-05
480	288	0.03	-0.07	-0.07	7.27e-05	0.0	1.81e-05
480	298	0.03	-0.04	-0.07	2.47e-05	0.0	1.48e-05
480	303	0.04	-0.03	-0.06	2.41e-05	0.0	1.74e-05
480	305	7.81e-03	-0.03	-0.07	2.29e-05	0.0	6.56e-06
480	310	0.03	-0.03	-0.07	2.37e-05	0.0	1.38e-05
481	45	-0.26	-0.02	-0.08	0.0	-1.74e-04	-2.21e-05
481	76	0.03	-0.14	-0.19	0.0	1.77e-05	-7.92e-05
481	92	0.03	-0.17	-0.18	0.0	1.45e-05	-6.76e-05
481	122	2.12	-0.47	-0.17	0.0	1.39e-03	2.48e-04
481	140	-0.06	-1.81	-0.48	0.0	-3.93e-05	-5.64e-05
481	154	2.38	-0.53	-0.18	0.0	1.56e-03	2.84e-04
481	172	-0.07	-2.04	-0.54	0.0	-4.55e-05	-5.79e-05
481	186	2.35	-0.55	-0.19	0.0	1.54e-03	2.78e-04
481	204	-0.07	-2.10	-0.55	0.0	-4.97e-05	-5.74e-05
481	218	2.73	-0.65	-0.21	0.0	1.79e-03	3.30e-04
481	236	-0.09	-2.49	-0.63	0.0	-6.18e-05	-5.95e-05
481	261	-0.17	-0.03	-0.08	0.0	-1.13e-04	-2.57e-05
481	280	0.02	-0.10	-0.13	0.0	1.25e-05	-5.52e-05
481	288	0.02	-0.12	-0.13	0.0	1.03e-05	-4.75e-05
481	298	0.02	-0.05	-0.10	0.0	1.08e-05	-4.59e-05
481	303	0.04	-0.05	-0.10	0.0	2.23e-05	-4.38e-05
481	310	0.02	-0.05	-0.10	0.0	1.03e-05	-4.35e-05
482	28	-0.09	-0.08	-0.18	8.09e-06	0.0	-3.88e-06
482	45	-0.25	-0.02	-0.10	-2.32e-06	0.0	-7.63e-05
482	92	0.06	-0.17	-0.14	9.37e-05	0.0	5.56e-05
482	122	2.00	-0.47	0.11	4.97e-04	0.0	-6.31e-05
482	135	-1.10	1.51	-0.31	-1.42e-03	0.0	2.05e-04
482	140	-0.03	-1.81	0.03	1.57e-03	0.0	1.38e-04
482	154	2.24	-0.53	0.13	5.61e-04	0.0	-7.42e-05
482	167	-1.24	1.71	-0.34	-1.61e-03	0.0	2.27e-04
482	172	-0.03	-2.04	0.04	1.78e-03	0.0	1.52e-04
482	186	2.21	-0.55	0.13	5.79e-04	0.0	-7.22e-05
482	199	-1.23	1.78	-0.35	-1.67e-03	0.0	2.23e-04
482	204	-0.04	-2.10	0.05	1.83e-03	0.0	1.44e-04
482	218	2.57	-0.65	0.17	6.93e-04	0.0	-8.89e-05
482	231	-1.45	2.15	-0.40	-2.02e-03	0.0	2.57e-04
482	236	-0.06	-2.49	0.07	2.17e-03	0.0	1.63e-04
482	256	-0.05	-0.06	-0.13	6.34e-06	0.0	-1.43e-06
482	261	-0.15	-0.03	-0.09	1.54e-06	0.0	-4.47e-05
482	288	0.04	-0.12	-0.10	6.34e-05	0.0	3.82e-05
482	298	0.04	-0.05	-0.10	9.22e-06	0.0	2.81e-05
482	303	0.06	-0.05	-0.09	9.85e-06	0.0	3.23e-05

482	310	0.04	-0.05	-0.09	9.14e-06	0.0	2.63e-05
483	45	-0.35	-0.01	-0.10	0.0	-1.76e-04	-2.62e-05
483	69	0.03	0.24	-0.02	0.0	9.93e-06	-3.28e-05
483	76	0.04	-0.18	-0.21	0.0	1.11e-05	-9.17e-05
483	122	2.82	-0.68	-0.19	0.0	1.38e-03	2.30e-04
483	140	-0.08	-2.68	-0.58	0.0	-4.26e-05	-7.73e-05
483	154	3.16	-0.77	-0.21	0.0	1.55e-03	2.64e-04
483	172	-0.09	-3.02	-0.64	0.0	-4.87e-05	-8.06e-05
483	186	3.12	-0.80	-0.21	0.0	1.53e-03	2.57e-04
483	204	-0.10	-3.10	-0.65	0.0	-5.26e-05	-8.04e-05
483	218	3.63	-0.95	-0.23	0.0	1.78e-03	3.07e-04
483	236	-0.13	-3.68	-0.76	0.0	-6.44e-05	-8.56e-05
483	261	-0.22	-0.02	-0.09	0.0	-1.15e-04	-3.01e-05
483	280	0.03	-0.12	-0.15	0.0	7.82e-06	-6.39e-05
483	288	0.02	-0.15	-0.14	0.0	6.29e-06	-5.52e-05
483	298	0.02	-0.06	-0.12	0.0	6.93e-06	-5.29e-05
483	303	0.05	-0.05	-0.11	0.0	1.87e-05	-5.04e-05
483	308	0.02	-0.06	-0.09	0.0	4.65e-06	-3.30e-05
483	310	0.02	-0.05	-0.11	0.0	6.65e-06	-5.01e-05
484	28	-0.13	-0.08	-0.23	-3.72e-05	0.0	-1.07e-05
484	45	-0.33	-0.01	-0.12	-1.99e-05	0.0	-1.08e-04
484	69	0.04	0.24	-0.10	-1.83e-04	0.0	-2.65e-05
484	122	2.70	-0.68	0.11	5.40e-04	0.0	-1.22e-05
484	135	-1.50	2.27	-0.37	-1.63e-03	0.0	2.26e-04
484	140	-0.04	-2.68	0.02	1.74e-03	0.0	2.23e-04
484	154	3.03	-0.77	0.13	6.13e-04	0.0	-1.79e-05
484	167	-1.70	2.58	-0.41	-1.84e-03	0.0	2.50e-04
484	172	-0.05	-3.02	0.03	1.97e-03	0.0	2.46e-04
484	186	2.99	-0.80	0.13	6.32e-04	0.0	-1.69e-05
484	199	-1.69	2.68	-0.41	-1.91e-03	0.0	2.42e-04
484	204	-0.06	-3.10	0.04	2.03e-03	0.0	2.40e-04
484	218	3.47	-0.95	0.18	7.62e-04	0.0	-2.56e-05
484	231	-1.99	3.24	-0.47	-2.30e-03	0.0	2.77e-04
484	236	-0.08	-3.68	0.07	2.41e-03	0.0	2.77e-04
484	256	-0.08	-0.06	-0.17	-2.53e-05	0.0	-5.62e-06
484	261	-0.21	-0.02	-0.11	-1.63e-05	0.0	-6.39e-05
484	288	0.05	-0.15	-0.13	4.23e-05	0.0	5.33e-05
484	298	0.05	-0.06	-0.13	-1.60e-05	0.0	3.63e-05
484	303	0.07	-0.05	-0.12	-1.39e-05	0.0	4.25e-05
484	308	0.03	-0.06	-0.09	4.26e-06	0.0	2.34e-05
484	310	0.05	-0.05	-0.12	-1.48e-05	0.0	3.40e-05
485	45	-0.43	2.96e-03	-0.11	0.0	-1.77e-04	-3.03e-05
485	69	0.03	0.34	-0.03	0.0	7.94e-06	-3.38e-05
485	76	0.04	-0.18	-0.24	0.0	5.52e-06	-9.69e-05
485	122	3.50	-0.89	-0.21	0.0	1.37e-03	1.55e-04
485	140	-0.10	-3.61	-0.65	0.0	-4.54e-05	-8.74e-05
485	154	3.93	-1.00	-0.22	0.0	1.54e-03	1.80e-04
485	172	-0.12	-4.08	-0.72	0.0	-5.15e-05	-9.16e-05
485	186	3.87	-1.04	-0.23	0.0	1.52e-03	1.75e-04
485	204	-0.13	-4.18	-0.74	0.0	-5.52e-05	-9.12e-05
485	218	4.51	-1.25	-0.25	0.0	1.77e-03	2.11e-04
485	236	-0.16	-4.97	-0.85	0.0	-6.68e-05	-9.77e-05
485	261	-0.28	-9.83e-03	-0.11	0.0	-1.17e-04	-3.36e-05
485	273	0.03	0.22	-0.06	0.0	6.41e-06	-3.59e-05
485	280	0.03	-0.12	-0.17	0.0	3.95e-06	-6.76e-05
485	298	0.03	-0.04	-0.13	0.0	3.72e-06	-5.58e-05
485	303	0.06	-0.04	-0.13	0.0	1.56e-05	-5.30e-05
485	308	0.02	-0.06	-0.10	0.0	2.64e-06	-3.50e-05
485	310	0.03	-0.04	-0.13	0.0	3.62e-06	-5.28e-05
486	28	-0.17	-0.05	-0.30	-9.16e-05	0.0	-2.77e-05
486	45	-0.42	2.78e-03	-0.14	-3.86e-05	0.0	-1.37e-04
486	69	0.05	0.34	-0.12	-2.13e-04	0.0	-4.44e-05
486	122	3.42	-0.89	0.08	5.44e-04	0.0	1.32e-04
486	135	-1.92	3.12	-0.43	-1.78e-03	0.0	-2.07e-04
486	140	-0.05	-3.61	-0.01	1.85e-03	0.0	2.41e-04
486	154	3.84	-1.00	0.11	6.22e-04	0.0	1.44e-04
486	167	-2.17	3.55	-0.46	-2.01e-03	0.0	-2.37e-04
486	172	-0.06	-4.08	8.12e-03	2.09e-03	0.0	2.68e-04
486	186	3.78	-1.04	0.11	6.43e-04	0.0	1.40e-04
486	199	-2.16	3.68	-0.47	-2.08e-03	0.0	-2.27e-04
486	204	-0.08	-4.18	0.01	2.15e-03	0.0	2.68e-04
486	218	4.40	-1.25	0.15	7.82e-04	0.0	1.57e-04
486	231	-2.55	4.45	-0.53	-2.50e-03	0.0	-2.71e-04
486	236	-0.10	-4.97	0.05	2.57e-03	0.0	3.12e-04
486	256	-0.11	-0.04	-0.21	-6.33e-05	0.0	-1.70e-05

486	261	-0.26	-0.01	-0.14	-3.65e-05	0.0	-8.37e-05
486	273	0.05	0.22	-0.12	-1.53e-04	0.0	-2.17e-05
486	298	0.06	-0.04	-0.17	-4.74e-05	0.0	3.63e-05
486	303	0.08	-0.04	-0.16	-4.38e-05	0.0	4.43e-05
486	308	0.04	-0.06	-0.11	-1.54e-05	0.0	2.42e-05
486	310	0.05	-0.04	-0.16	-4.46e-05	0.0	3.39e-05
487	45	-0.51	0.03	-0.13	0.0	-1.78e-04	-2.82e-05
487	71	0.05	0.46	-0.11	0.0	7.68e-06	-5.59e-05
487	76	0.04	-0.15	-0.29	0.0	3.61e-06	-8.42e-05
487	122	4.11	-1.07	-0.23	0.0	1.36e-03	9.25e-05
487	140	-0.13	-4.47	-0.71	0.0	-4.63e-05	-1.39e-04
487	154	4.61	-1.21	-0.24	0.0	1.53e-03	1.09e-04
487	172	-0.14	-5.06	-0.78	0.0	-5.24e-05	-1.51e-04
487	186	4.55	-1.26	-0.25	0.0	1.50e-03	1.04e-04
487	204	-0.16	-5.19	-0.80	0.0	-5.59e-05	-1.50e-04
487	218	5.29	-1.52	-0.27	0.0	1.75e-03	1.27e-04
487	236	-0.19	-6.18	-0.92	0.0	-6.73e-05	-1.68e-04
487	261	-0.34	0.01	-0.13	0.0	-1.18e-04	-3.05e-05
487	275	0.04	0.30	-0.12	0.0	5.98e-06	-4.90e-05
487	280	0.03	-0.10	-0.20	0.0	2.63e-06	-5.88e-05
487	298	0.03	-8.32e-03	-0.16	0.0	2.62e-06	-4.85e-05
487	303	0.06	-0.01	-0.15	0.0	1.46e-05	-4.60e-05
487	307	0.03	0.05	-0.15	0.0	3.24e-06	-4.61e-05
487	309	0.02	-0.01	-0.12	0.0	2.30e-06	-3.08e-05
487	310	0.03	-8.86e-03	-0.15	0.0	2.57e-06	-4.60e-05
488	28	-0.22	9.72e-03	-0.39	-1.39e-04	0.0	-5.60e-05
488	45	-0.50	0.03	-0.18	-5.28e-05	0.0	-1.58e-04
488	71	0.08	0.45	-0.26	-2.80e-04	0.0	-4.57e-05
488	122	4.06	-1.07	0.02	3.91e-04	0.0	1.37e-04
488	135	-2.31	3.95	-0.48	-1.82e-03	0.0	-2.46e-04
488	140	-0.07	-4.47	-0.06	1.89e-03	0.0	2.84e-04
488	154	4.56	-1.21	0.05	4.53e-04	0.0	1.51e-04
488	167	-2.61	4.48	-0.51	-2.05e-03	0.0	-2.79e-04
488	172	-0.08	-5.06	-0.04	2.14e-03	0.0	3.18e-04
488	186	4.50	-1.26	0.05	4.76e-04	0.0	1.47e-04
488	199	-2.59	4.65	-0.52	-2.13e-03	0.0	-2.70e-04
488	204	-0.10	-5.20	-0.04	2.20e-03	0.0	3.21e-04
488	218	5.23	-1.52	0.10	5.91e-04	0.0	1.68e-04
488	231	-3.06	5.61	-0.58	-2.55e-03	0.0	-3.20e-04
488	236	-0.13	-6.18	-2.32e-03	2.64e-03	0.0	3.78e-04
488	256	-0.15	4.85e-03	-0.28	-9.66e-05	0.0	-3.66e-05
488	261	-0.32	0.01	-0.17	-5.30e-05	0.0	-1.00e-04
488	275	0.06	0.30	-0.23	-2.04e-04	0.0	-2.55e-05
488	298	0.05	-0.01	-0.22	-7.60e-05	0.0	2.44e-05
488	303	0.09	-0.01	-0.21	-7.11e-05	0.0	3.39e-05
488	307	0.05	0.05	-0.21	-9.74e-05	0.0	1.27e-05
488	309	0.04	-0.01	-0.15	-4.65e-05	0.0	1.23e-05
488	310	0.05	-0.01	-0.21	-7.17e-05	0.0	2.27e-05
489	45	-0.59	0.07	-0.14	0.0	-1.97e-04	-2.15e-05
489	68	0.07	0.63	-0.21	0.0	-1.39e-04	-5.22e-05
489	76	0.05	-0.07	-0.32	0.0	-1.35e-04	-4.58e-05
489	122	4.71	-1.23	-0.25	0.0	1.57e-03	4.31e-05
489	137	0.20	5.42	0.39	0.0	-1.03e-04	-3.10e-06
489	140	-0.15	-5.33	-0.74	0.0	-5.05e-05	-5.03e-05
489	154	5.29	-1.40	-0.26	0.0	1.77e-03	5.16e-05
489	169	0.23	6.13	0.46	0.0	-1.07e-04	0.0
489	172	-0.17	-6.03	-0.82	0.0	-4.63e-05	-5.33e-05
489	186	5.22	-1.47	-0.26	0.0	1.75e-03	4.86e-05
489	201	0.24	6.29	0.48	0.0	-1.08e-04	0.0
489	204	-0.18	-6.20	-0.83	0.0	-4.53e-05	-5.44e-05
489	218	6.07	-1.78	-0.29	0.0	2.05e-03	5.95e-05
489	233	0.28	7.48	0.61	0.0	-1.15e-04	6.01e-06
489	236	-0.22	-7.39	-0.96	0.0	-3.84e-05	-5.94e-05
489	261	-0.39	0.05	-0.14	0.0	-1.51e-04	-2.13e-05
489	276	0.05	0.42	-0.15	0.0	-9.74e-05	-3.64e-05
489	280	0.03	-0.05	-0.23	0.0	-9.44e-05	-3.21e-05
489	298	0.03	0.05	-0.18	0.0	-8.09e-05	-2.81e-05
489	303	0.07	0.04	-0.18	0.0	-6.70e-05	-2.64e-05
489	307	0.03	0.12	-0.17	0.0	-7.92e-05	-2.80e-05
489	310	0.03	0.05	-0.18	0.0	-7.68e-05	-2.67e-05
490	28	-0.30	0.12	-0.51	-2.32e-04	-3.33e-04	-6.32e-05
490	45	-0.59	0.07	-0.22	-1.06e-04	-1.30e-04	-7.98e-05
490	68	0.08	0.63	-0.45	-3.18e-04	-2.80e-04	-6.00e-05
490	122	4.71	-1.23	-0.06	4.14e-04	-5.26e-05	5.12e-05
490	135	-2.72	4.82	-0.53	-1.61e-03	-2.56e-04	-1.44e-04

490	137	0.17	5.42	-0.42	-1.74e-03	-1.79e-04	-1.25e-04
490	154	5.29	-1.40	-0.03	4.83e-04	-3.73e-05	5.89e-05
490	167	-3.07	5.46	-0.56	-1.81e-03	-2.66e-04	-1.60e-04
490	169	0.19	6.12	-0.44	-1.95e-03	-1.80e-04	-1.40e-04
490	186	5.22	-1.46	-0.03	5.01e-04	-3.91e-05	5.56e-05
490	199	-3.05	5.67	-0.57	-1.88e-03	-2.66e-04	-1.52e-04
490	201	0.21	6.29	-0.44	-2.00e-03	-1.80e-04	-1.42e-04
490	218	6.07	-1.78	0.01	6.23e-04	-1.65e-05	6.66e-05
490	231	-3.59	6.82	-0.62	-2.24e-03	-2.83e-04	-1.75e-04
490	233	0.24	7.48	-0.47	-2.36e-03	-1.81e-04	-1.66e-04
490	256	-0.20	0.08	-0.36	-1.60e-04	-2.33e-04	-4.32e-05
490	261	-0.38	0.05	-0.22	-9.73e-05	-1.32e-04	-5.69e-05
490	276	0.06	0.42	-0.32	-2.17e-04	-1.97e-04	-4.11e-05
490	298	0.04	0.05	-0.29	-1.17e-04	-1.85e-04	-1.30e-05
490	303	0.08	0.04	-0.28	-1.07e-04	-1.74e-04	-7.99e-06
490	307	0.04	0.12	-0.28	-1.29e-04	-1.76e-04	-1.81e-05
490	310	0.04	0.05	-0.28	-1.10e-04	-1.76e-04	-1.27e-05
491	16	0.06	0.06	-9.58e-03	-1.20e-04	0.0	2.81e-05
491	42	-0.07	-0.14	1.07e-03	2.88e-04	0.0	-5.74e-05
491	45	-0.08	-0.14	2.87e-03	2.83e-04	0.0	-5.74e-05
491	122	0.63	-0.24	-0.05	4.72e-04	0.0	-4.25e-05
491	132	0.10	-0.93	-0.01	1.85e-03	0.0	-1.86e-04
491	154	0.71	-0.27	-0.06	5.34e-04	0.0	-4.82e-05
491	164	0.12	-1.05	-0.01	2.09e-03	0.0	-2.10e-04
491	186	0.70	-0.28	-0.06	5.54e-04	0.0	-4.95e-05
491	196	0.12	-1.08	-0.01	2.16e-03	0.0	-2.12e-04
491	218	0.81	-0.33	-0.07	6.66e-04	0.0	-5.94e-05
491	228	0.14	-1.30	-0.02	2.60e-03	0.0	-2.52e-04
491	249	0.04	0.04	-6.94e-03	-7.84e-05	0.0	1.86e-05
491	251	0.05	0.04	-6.64e-03	-8.25e-05	0.0	1.96e-05
491	262	-0.05	-0.10	1.61e-04	1.93e-04	0.0	-3.84e-05
491	302	0.02	3.79e-03	-4.73e-03	-7.15e-06	0.0	3.41e-06
491	303	0.02	5.73e-03	-4.47e-03	-1.07e-05	0.0	4.25e-06
491	304	-5.03e-04	-0.02	-3.31e-03	4.72e-05	0.0	-7.98e-06
491	309	0.01	-5.23e-03	-4.26e-03	1.10e-05	0.0	0.0
491	310	0.02	-3.29e-03	-4.00e-03	7.37e-06	0.0	0.0
492	1	0.0	0.0	0.0	-6.74e-05	0.0	3.50e-06
492	113	0.0	0.0	0.0	-9.49e-04	0.0	1.20e-05
492	145	0.0	0.0	0.0	-1.07e-03	0.0	1.35e-05
492	177	0.0	0.0	0.0	-1.10e-03	0.0	1.34e-05
492	209	0.0	0.0	0.0	-1.32e-03	0.0	1.59e-05
492	241	0.0	0.0	0.0	-4.34e-05	0.0	2.31e-06
492	297	0.0	0.0	0.0	1.08e-05	0.0	0.0
492	309	0.0	0.0	0.0	1.08e-05	0.0	0.0
493	16	0.12	0.12	-0.02	-1.20e-04	0.0	5.41e-05
493	42	-0.15	-0.29	2.13e-03	2.91e-04	0.0	-1.13e-04
493	45	-0.16	-0.28	5.53e-03	2.86e-04	0.0	-1.13e-04
493	122	1.30	-0.47	-0.11	4.70e-04	0.0	-8.55e-05
493	132	0.21	-1.85	-0.02	1.84e-03	0.0	-3.72e-04
493	154	1.46	-0.53	-0.12	5.31e-04	0.0	-9.68e-05
493	164	0.24	-2.10	-0.03	2.08e-03	0.0	-4.20e-04
493	186	1.44	-0.55	-0.12	5.51e-04	0.0	-9.94e-05
493	196	0.24	-2.16	-0.03	2.15e-03	0.0	-4.23e-04
493	218	1.67	-0.67	-0.14	6.62e-04	0.0	-1.19e-04
493	228	0.29	-2.60	-0.03	2.58e-03	0.0	-5.03e-04
493	249	0.08	0.08	-0.01	-7.85e-05	0.0	3.58e-05
493	261	-0.10	-0.19	9.99e-04	1.94e-04	0.0	-7.58e-05
493	262	-0.10	-0.19	3.79e-04	1.96e-04	0.0	-7.58e-05
493	302	0.03	7.42e-03	-8.89e-03	-6.72e-06	0.0	6.10e-06
493	303	0.04	0.01	-8.31e-03	-1.00e-05	0.0	7.43e-06
493	304	-3.39e-03	-0.05	-6.19e-03	4.81e-05	0.0	-1.62e-05
493	309	0.02	-0.01	-7.99e-03	1.16e-05	0.0	-1.34e-06
493	310	0.03	-6.93e-03	-7.41e-03	8.26e-06	0.0	0.0
494	16	0.18	0.18	-0.03	-1.21e-04	0.0	7.88e-05
494	42	-0.23	-0.43	3.34e-03	2.96e-04	0.0	-1.71e-04
494	45	-0.24	-0.43	8.31e-03	2.90e-04	0.0	-1.70e-04
494	122	1.99	-0.71	-0.17	4.67e-04	0.0	-1.24e-04
494	132	0.33	-2.77	-0.04	1.82e-03	0.0	-5.33e-04
494	154	2.23	-0.80	-0.19	5.27e-04	0.0	-1.39e-04
494	164	0.37	-3.13	-0.04	2.06e-03	0.0	-6.01e-04
494	186	2.20	-0.83	-0.19	5.47e-04	0.0	-1.43e-04
494	196	0.38	-3.23	-0.04	2.13e-03	0.0	-6.04e-04
494	218	2.55	-1.00	-0.21	6.57e-04	0.0	-1.70e-04
494	228	0.45	-3.88	-0.05	2.55e-03	0.0	-7.17e-04
494	249	0.12	0.12	-0.02	-7.87e-05	0.0	5.20e-05

494	261	-0.15	-0.29	1.65e-03	1.98e-04	0.0	-1.15e-04
494	262	-0.15	-0.29	7.15e-04	1.99e-04	0.0	-1.15e-04
494	302	0.05	0.01	-0.01	-6.04e-06	0.0	7.75e-06
494	303	0.06	0.02	-0.01	-8.87e-06	0.0	9.05e-06
494	304	-8.73e-03	-0.07	-8.92e-03	4.95e-05	0.0	-2.56e-05
494	309	0.03	-0.02	-0.01	1.25e-05	0.0	-3.38e-06
494	310	0.04	-0.01	-0.01	9.64e-06	0.0	-2.08e-06
495	18	0.07	0.05	-0.01	-9.75e-05	0.0	3.03e-05
495	42	-0.07	-0.11	-4.49e-03	2.29e-04	0.0	-5.51e-05
495	45	-0.08	-0.11	-1.98e-03	2.24e-04	0.0	-5.55e-05
495	122	0.64	-0.21	-0.04	4.28e-04	0.0	-4.43e-05
495	132	0.10	-0.84	-9.80e-03	1.68e-03	0.0	-1.93e-04
495	154	0.71	-0.24	-0.04	4.84e-04	0.0	-5.03e-05
495	164	0.12	-0.95	-0.01	1.90e-03	0.0	-2.18e-04
495	186	0.70	-0.25	-0.04	5.02e-04	0.0	-5.19e-05
495	196	0.12	-0.98	-0.01	1.96e-03	0.0	-2.21e-04
495	218	0.82	-0.30	-0.04	6.04e-04	0.0	-6.25e-05
495	228	0.14	-1.18	-0.01	2.36e-03	0.0	-2.64e-04
495	251	0.05	0.03	-7.55e-03	-6.37e-05	0.0	2.01e-05
495	262	-0.05	-0.08	-3.66e-03	1.54e-04	0.0	-3.68e-05
495	303	0.02	3.42e-03	-6.15e-03	-7.23e-06	0.0	5.08e-06
495	304	-4.40e-04	-0.02	-5.08e-03	3.86e-05	0.0	-7.20e-06
495	309	0.01	-5.11e-03	-5.54e-03	1.01e-05	0.0	0.0
495	310	0.02	-3.64e-03	-5.92e-03	7.05e-06	0.0	1.38e-06
496	1	0.0	0.0	0.0	-5.09e-05	0.0	3.61e-06
496	113	0.0	0.0	0.0	-8.52e-04	0.0	1.30e-05
496	145	0.0	0.0	0.0	-9.64e-04	0.0	1.46e-05
496	177	0.0	0.0	0.0	-9.90e-04	0.0	1.46e-05
496	209	0.0	0.0	0.0	-1.19e-03	0.0	1.72e-05
496	241	0.0	0.0	0.0	-3.25e-05	0.0	2.39e-06
496	297	0.0	0.0	0.0	1.01e-05	0.0	0.0
496	309	0.0	0.0	0.0	1.01e-05	0.0	0.0
497	18	0.14	0.10	-0.02	-9.93e-05	0.0	5.82e-05
497	42	-0.15	-0.23	-8.50e-03	2.31e-04	0.0	-1.09e-04
497	45	-0.16	-0.22	-3.61e-03	2.27e-04	0.0	-1.10e-04
497	122	1.30	-0.43	-0.07	4.30e-04	0.0	-8.81e-05
497	132	0.22	-1.67	-0.02	1.68e-03	0.0	-3.82e-04
497	154	1.46	-0.48	-0.08	4.86e-04	0.0	-1.00e-04
497	164	0.24	-1.89	-0.02	1.90e-03	0.0	-4.32e-04
497	186	1.44	-0.50	-0.08	5.05e-04	0.0	-1.03e-04
497	196	0.25	-1.96	-0.02	1.97e-03	0.0	-4.37e-04
497	218	1.67	-0.60	-0.09	6.07e-04	0.0	-1.24e-04
497	228	0.29	-2.35	-0.02	2.37e-03	0.0	-5.21e-04
497	251	0.09	0.06	-0.01	-6.48e-05	0.0	3.86e-05
497	261	-0.10	-0.15	-6.10e-03	1.54e-04	0.0	-7.30e-05
497	262	-0.10	-0.15	-6.93e-03	1.56e-04	0.0	-7.29e-05
497	303	0.04	7.07e-03	-0.01	-7.69e-06	0.0	9.10e-06
497	304	-3.35e-03	-0.04	-9.74e-03	3.88e-05	0.0	-1.47e-05
497	309	0.02	-0.01	-0.01	9.86e-06	0.0	0.0
497	310	0.03	-7.13e-03	-0.01	6.76e-06	0.0	1.82e-06
498	18	0.20	0.15	-0.03	-1.02e-04	0.0	8.37e-05
498	42	-0.23	-0.34	-0.01	2.35e-04	0.0	-1.66e-04
498	45	-0.25	-0.34	-5.07e-03	2.31e-04	0.0	-1.66e-04
498	122	1.99	-0.64	-0.10	4.32e-04	0.0	-1.24e-04
498	132	0.33	-2.52	-0.03	1.69e-03	0.0	-5.37e-04
498	154	2.23	-0.73	-0.11	4.89e-04	0.0	-1.41e-04
498	164	0.37	-2.85	-0.03	1.92e-03	0.0	-6.06e-04
498	186	2.20	-0.75	-0.11	5.08e-04	0.0	-1.45e-04
498	196	0.38	-2.94	-0.03	1.98e-03	0.0	-6.11e-04
498	218	2.56	-0.91	-0.13	6.11e-04	0.0	-1.73e-04
498	228	0.45	-3.54	-0.03	2.38e-03	0.0	-7.27e-04
498	251	0.14	0.10	-0.02	-6.66e-05	0.0	5.54e-05
498	261	-0.15	-0.23	-8.82e-03	1.57e-04	0.0	-1.11e-04
498	262	-0.15	-0.23	-0.01	1.58e-04	0.0	-1.11e-04
498	303	0.06	0.01	-0.02	-8.28e-06	0.0	1.14e-05
498	304	-8.69e-03	-0.06	-0.01	3.91e-05	0.0	-2.35e-05
498	309	0.03	-0.01	-0.02	9.65e-06	0.0	-1.65e-06
498	310	0.04	-0.01	-0.02	6.44e-06	0.0	0.0
499	4	0.06	0.02	-0.01	-3.73e-05	0.0	2.21e-05
499	42	-0.07	-0.09	-8.15e-03	1.72e-04	0.0	-5.08e-05
499	45	-0.08	-0.08	-4.87e-03	1.68e-04	0.0	-5.17e-05
499	122	0.64	-0.19	-0.02	3.84e-04	0.0	-4.90e-05
499	125	0.61	0.20	-0.02	-4.05e-04	0.0	4.93e-05
499	132	0.10	-0.74	-3.07e-03	1.50e-03	0.0	-2.10e-04
499	154	0.72	-0.21	-0.02	4.34e-04	0.0	-5.59e-05

499	157	0.68	0.22	-0.02	-4.59e-04	0.0	5.52e-05
499	164	0.12	-0.83	-2.48e-03	1.70e-03	0.0	-2.38e-04
499	186	0.71	-0.22	-0.02	4.51e-04	0.0	-5.79e-05
499	189	0.67	0.23	-0.02	-4.70e-04	0.0	5.52e-05
499	196	0.12	-0.86	-2.73e-03	1.76e-03	0.0	-2.43e-04
499	218	0.82	-0.27	-0.02	5.42e-04	0.0	-7.01e-05
499	221	0.77	0.27	-0.03	-5.60e-04	0.0	6.48e-05
499	228	0.14	-1.04	-1.89e-03	2.11e-03	0.0	-2.91e-04
499	244	0.04	0.01	-9.66e-03	-2.36e-05	0.0	1.47e-05
499	251	0.05	0.02	-9.33e-03	-4.36e-05	0.0	2.09e-05
499	262	-0.05	-0.06	-6.21e-03	1.16e-04	0.0	-3.38e-05
499	301	0.02	-4.97e-03	-8.23e-03	8.52e-06	0.0	2.95e-06
499	303	0.02	4.78e-04	-8.14e-03	-2.48e-06	0.0	6.40e-06
499	304	-3.10e-04	-0.02	-6.64e-03	3.10e-05	0.0	-5.91e-06
499	309	0.01	-5.44e-03	-6.88e-03	9.99e-06	0.0	1.11e-06
499	310	0.02	-4.71e-03	-8.02e-03	8.03e-06	0.0	2.89e-06
500	1	0.0	0.0	0.0	-3.35e-05	0.0	3.69e-06
500	113	0.0	0.0	0.0	-7.52e-04	0.0	1.41e-05
500	145	0.0	0.0	0.0	-8.52e-04	0.0	1.58e-05
500	177	0.0	0.0	0.0	-8.77e-04	0.0	1.59e-05
500	209	0.0	0.0	0.0	-1.05e-03	0.0	1.88e-05
500	241	0.0	0.0	0.0	-2.10e-05	0.0	2.46e-06
500	297	0.0	0.0	0.0	1.04e-05	0.0	0.0
500	309	0.0	0.0	0.0	1.04e-05	0.0	0.0
501	4	0.11	0.04	-0.03	-4.11e-05	0.0	4.22e-05
501	42	-0.15	-0.17	-0.02	1.73e-04	0.0	-1.00e-04
501	45	-0.16	-0.17	-9.31e-03	1.69e-04	0.0	-1.02e-04
501	122	1.31	-0.38	-0.04	3.92e-04	0.0	-9.20e-05
501	125	1.24	0.40	-0.04	-4.19e-04	0.0	8.93e-05
501	132	0.22	-1.49	-5.57e-03	1.54e-03	0.0	-3.97e-04
501	154	1.46	-0.43	-0.04	4.44e-04	0.0	-1.05e-04
501	157	1.39	0.45	-0.05	-4.74e-04	0.0	1.00e-04
501	164	0.24	-1.68	-4.39e-03	1.74e-03	0.0	-4.49e-04
501	186	1.44	-0.45	-0.04	4.61e-04	0.0	-1.08e-04
501	189	1.36	0.46	-0.05	-4.86e-04	0.0	9.95e-05
501	196	0.25	-1.74	-4.90e-03	1.80e-03	0.0	-4.57e-04
501	218	1.68	-0.54	-0.05	5.55e-04	0.0	-1.31e-04
501	221	1.58	0.55	-0.05	-5.79e-04	0.0	1.17e-04
501	228	0.29	-2.09	-3.20e-03	2.17e-03	0.0	-5.46e-04
501	244	0.08	0.02	-0.02	-2.62e-05	0.0	2.81e-05
501	261	-0.10	-0.11	-0.01	1.15e-04	0.0	-6.70e-05
501	262	-0.10	-0.12	-0.01	1.17e-04	0.0	-6.67e-05
501	301	0.03	-9.28e-03	-0.02	6.79e-06	0.0	5.20e-06
501	303	0.04	1.66e-03	-0.02	-4.31e-06	0.0	1.20e-05
501	304	-3.25e-03	-0.03	-0.01	3.02e-05	0.0	-1.18e-05
501	309	0.02	-0.01	-0.01	8.91e-06	0.0	1.95e-06
501	310	0.03	-8.77e-03	-0.02	6.34e-06	0.0	5.10e-06
502	4	0.16	0.06	-0.04	-4.69e-05	0.0	5.93e-05
502	42	-0.23	-0.26	-0.02	1.74e-04	0.0	-1.53e-04
502	45	-0.25	-0.25	-0.01	1.71e-04	0.0	-1.54e-04
502	122	1.99	-0.58	-0.06	4.03e-04	0.0	-1.22e-04
502	125	1.74	0.61	-0.07	-4.38e-04	0.0	1.11e-04
502	132	0.33	-2.26	-8.05e-03	1.59e-03	0.0	-5.29e-04
502	154	2.24	-0.65	-0.06	4.57e-04	0.0	-1.39e-04
502	157	1.95	0.69	-0.07	-4.96e-04	0.0	1.25e-04
502	164	0.37	-2.56	-6.27e-03	1.80e-03	0.0	-5.98e-04
502	186	2.20	-0.68	-0.06	4.75e-04	0.0	-1.43e-04
502	189	1.92	0.71	-0.07	-5.08e-04	0.0	1.23e-04
502	196	0.38	-2.65	-7.04e-03	1.86e-03	0.0	-6.05e-04
502	218	2.56	-0.82	-0.07	5.72e-04	0.0	-1.72e-04
502	221	2.23	0.85	-0.08	-6.05e-04	0.0	1.44e-04
502	228	0.45	-3.19	-4.47e-03	2.24e-03	0.0	-7.22e-04
502	244	0.11	0.04	-0.03	-3.02e-05	0.0	3.94e-05
502	261	-0.15	-0.17	-0.02	1.16e-04	0.0	-1.02e-04
502	262	-0.15	-0.17	-0.02	1.17e-04	0.0	-1.02e-04
502	301	0.04	-0.01	-0.02	4.16e-06	0.0	5.62e-06
502	303	0.06	4.16e-03	-0.02	-7.10e-06	0.0	1.59e-05
502	304	-8.58e-03	-0.05	-0.02	2.90e-05	0.0	-1.91e-05
502	309	0.03	-0.01	-0.02	7.22e-06	0.0	1.69e-06
502	310	0.04	-0.01	-0.02	3.78e-06	0.0	5.51e-06
503	44	-0.06	-0.06	-0.02	1.21e-04	0.0	-4.02e-05
503	45	-0.08	-0.06	-7.40e-03	1.16e-04	0.0	-4.60e-05
503	52	0.03	0.02	-0.02	-4.25e-05	0.0	9.74e-06
503	122	0.64	-0.16	-0.02	3.40e-04	0.0	-5.25e-05
503	125	0.61	0.17	-0.02	-3.67e-04	0.0	5.90e-05

503	132	0.10	-0.62	-6.05e-03	1.32e-03	0.0	-2.28e-04
503	154	0.72	-0.18	-0.02	3.84e-04	0.0	-6.00e-05
503	157	0.68	0.19	-0.02	-4.16e-04	0.0	6.61e-05
503	164	0.12	-0.70	-5.46e-03	1.50e-03	0.0	-2.59e-04
503	186	0.71	-0.19	-0.02	3.99e-04	0.0	-6.24e-05
503	189	0.67	0.20	-0.02	-4.27e-04	0.0	6.67e-05
503	196	0.12	-0.73	-5.35e-03	1.55e-03	0.0	-2.65e-04
503	218	0.82	-0.23	-0.02	4.80e-04	0.0	-7.61e-05
503	221	0.78	0.24	-0.02	-5.10e-04	0.0	7.82e-05
503	228	0.14	-0.87	-4.32e-03	1.86e-03	0.0	-3.19e-04
503	251	0.05	9.65e-03	-0.01	-2.26e-05	0.0	2.09e-05
503	264	-0.04	-0.04	-0.01	8.21e-05	0.0	-2.67e-05
503	268	0.02	0.01	-0.01	-2.70e-05	0.0	6.56e-06
503	298	0.02	-6.67e-03	-0.01	1.10e-05	0.0	4.83e-06
503	303	0.02	-3.19e-03	-0.01	4.01e-06	0.0	7.60e-06
503	305	5.41e-03	-0.01	-0.01	2.49e-05	0.0	-1.93e-06
503	310	0.02	-6.61e-03	-0.01	1.10e-05	0.0	4.42e-06
504	1	0.0	0.0	0.0	-1.56e-05	0.0	3.65e-06
504	113	0.0	0.0	0.0	-6.42e-04	0.0	1.45e-05
504	145	0.0	0.0	0.0	-7.29e-04	0.0	1.63e-05
504	177	0.0	0.0	0.0	-7.52e-04	0.0	1.64e-05
504	209	0.0	0.0	0.0	-9.05e-04	0.0	1.94e-05
504	241	0.0	0.0	0.0	-9.05e-06	0.0	2.45e-06
504	297	0.0	0.0	0.0	1.17e-05	0.0	0.0
504	309	0.0	0.0	0.0	1.17e-05	0.0	0.0
505	44	-0.13	-0.12	-0.03	1.18e-04	0.0	-7.81e-05
505	45	-0.16	-0.12	-0.01	1.16e-04	0.0	-8.92e-05
505	52	0.06	0.04	-0.03	-5.35e-05	0.0	1.54e-05
505	122	1.31	-0.33	-0.03	3.60e-04	0.0	-8.63e-05
505	132	0.22	-1.29	-9.43e-03	1.41e-03	0.0	-3.82e-04
505	141	0.54	1.10	-0.04	-1.23e-03	0.0	2.52e-04
505	154	1.47	-0.37	-0.03	4.07e-04	0.0	-9.90e-05
505	164	0.24	-1.46	-7.99e-03	1.60e-03	0.0	-4.33e-04
505	173	0.60	1.25	-0.04	-1.39e-03	0.0	2.83e-04
505	186	1.45	-0.39	-0.03	4.24e-04	0.0	-1.03e-04
505	196	0.25	-1.51	-7.65e-03	1.66e-03	0.0	-4.42e-04
505	205	0.58	1.28	-0.04	-1.43e-03	0.0	2.86e-04
505	218	1.68	-0.47	-0.03	5.10e-04	0.0	-1.25e-04
505	228	0.29	-1.81	-5.10e-03	1.99e-03	0.0	-5.30e-04
505	237	0.67	1.52	-0.04	-1.70e-03	0.0	3.38e-04
505	261	-0.10	-0.08	-0.02	8.02e-05	0.0	-5.76e-05
505	264	-0.09	-0.08	-0.02	7.98e-05	0.0	-5.18e-05
505	268	0.04	0.02	-0.02	-3.45e-05	0.0	1.05e-05
505	298	0.03	-0.01	-0.02	7.72e-06	0.0	9.78e-06
505	303	0.04	-5.56e-03	-0.02	0.0	0.0	1.52e-05
505	305	6.71e-03	-0.03	-0.02	2.21e-05	0.0	-3.39e-06
505	310	0.03	-0.01	-0.02	7.95e-06	0.0	9.02e-06
506	42	-0.23	-0.18	-0.03	1.17e-04	0.0	-1.31e-04
506	45	-0.25	-0.17	-0.02	1.14e-04	0.0	-1.35e-04
506	52	0.08	0.07	-0.05	-6.98e-05	0.0	1.40e-05
506	122	2.00	-0.52	-0.04	3.83e-04	0.0	-1.05e-04
506	132	0.33	-2.02	-0.01	1.51e-03	0.0	-4.73e-04
506	141	0.32	1.74	-0.05	-1.34e-03	0.0	2.79e-04
506	154	2.24	-0.59	-0.04	4.34e-04	0.0	-1.21e-04
506	164	0.37	-2.29	-9.69e-03	1.72e-03	0.0	-5.35e-04
506	173	0.36	1.97	-0.06	-1.52e-03	0.0	3.13e-04
506	186	2.21	-0.61	-0.04	4.51e-04	0.0	-1.25e-04
506	196	0.38	-2.37	-9.07e-03	1.78e-03	0.0	-5.43e-04
506	205	0.37	2.02	-0.06	-1.56e-03	0.0	3.13e-04
506	218	2.56	-0.73	-0.04	5.44e-04	0.0	-1.52e-04
506	228	0.45	-2.85	-4.82e-03	2.14e-03	0.0	-6.49e-04
506	237	0.42	2.41	-0.06	-1.85e-03	0.0	3.68e-04
506	261	-0.15	-0.12	-0.02	7.77e-05	0.0	-8.75e-05
506	262	-0.15	-0.12	-0.02	7.86e-05	0.0	-8.69e-05
506	268	0.06	0.04	-0.04	-4.57e-05	0.0	9.63e-06
506	298	0.04	-0.02	-0.03	2.05e-06	0.0	1.29e-05
506	303	0.06	-5.71e-03	-0.03	-4.59e-06	0.0	2.12e-05
506	304	-8.44e-03	-0.04	-0.02	2.02e-05	0.0	-1.27e-05
506	309	0.03	-0.02	-0.02	5.87e-06	0.0	5.96e-06
506	310	0.04	-0.02	-0.03	2.59e-06	0.0	1.19e-05
507	44	-0.06	-0.04	-0.02	8.32e-05	0.0	-2.74e-05
507	45	-0.08	-0.03	-0.01	7.15e-05	0.0	-3.49e-05
507	52	0.04	9.52e-03	-0.03	-3.47e-05	0.0	1.09e-05
507	122	0.64	-0.13	-3.51e-03	3.06e-04	0.0	-4.97e-05
507	129	-0.07	0.48	-0.06	-1.14e-03	0.0	1.30e-04

507	132	0.11	-0.49	0.02	1.17e-03	0.0	-1.17e-04
507	154	0.72	-0.15	-1.71e-03	3.45e-04	0.0	-5.70e-05
507	161	-0.08	0.54	-0.06	-1.29e-03	0.0	1.46e-04
507	164	0.12	-0.56	0.03	1.32e-03	0.0	-1.33e-04
507	186	0.71	-0.15	-1.24e-03	3.58e-04	0.0	-5.75e-05
507	193	-0.08	0.56	-0.07	-1.34e-03	0.0	1.50e-04
507	196	0.12	-0.58	0.03	1.37e-03	0.0	-1.37e-04
507	218	0.83	-0.18	1.93e-03	4.29e-04	0.0	-6.94e-05
507	225	-0.10	0.68	-0.08	-1.62e-03	0.0	1.78e-04
507	228	0.14	-0.70	0.04	1.65e-03	0.0	-1.65e-04
507	251	0.05	-6.63e-04	-0.02	-1.41e-06	0.0	2.00e-05
507	264	-0.04	-0.03	-0.02	5.69e-05	0.0	-1.81e-05
507	268	0.02	5.69e-03	-0.02	-2.17e-05	0.0	7.46e-06
507	298	0.02	-8.79e-03	-0.02	1.64e-05	0.0	6.95e-06
507	303	0.02	-6.71e-03	-0.02	1.21e-05	0.0	9.00e-06
507	305	5.65e-03	-0.01	-0.02	2.38e-05	0.0	1.39e-06
507	310	0.02	-8.50e-03	-0.02	1.60e-05	0.0	6.46e-06
508	1	0.0	0.0	0.0	1.75e-06	0.0	3.45e-06
508	113	0.0	0.0	0.0	-5.36e-04	0.0	1.71e-06
508	145	0.0	0.0	0.0	-6.09e-04	0.0	1.81e-06
508	177	0.0	0.0	0.0	-6.30e-04	0.0	2.08e-06
508	209	0.0	0.0	0.0	-7.60e-04	0.0	2.33e-06
508	241	0.0	0.0	0.0	2.62e-06	0.0	2.34e-06
508	297	0.0	0.0	0.0	1.41e-05	0.0	0.0
508	309	0.0	0.0	0.0	1.41e-05	0.0	0.0
509	44	-0.13	-0.09	-0.04	7.76e-05	0.0	-5.56e-05
509	45	-0.16	-0.07	-0.02	7.05e-05	0.0	-7.01e-05
509	52	0.06	0.03	-0.05	-5.15e-05	0.0	1.90e-05
509	122	1.31	-0.29	-6.99e-03	3.42e-04	0.0	-8.50e-05
509	129	-0.15	1.07	-0.10	-1.31e-03	0.0	2.38e-04
509	132	0.22	-1.11	0.04	1.33e-03	0.0	-2.12e-04
509	154	1.47	-0.33	-3.91e-03	3.87e-04	0.0	-9.75e-05
509	161	-0.18	1.22	-0.11	-1.48e-03	0.0	2.67e-04
509	164	0.24	-1.26	0.05	1.51e-03	0.0	-2.41e-04
509	186	1.45	-0.34	-3.09e-03	4.02e-04	0.0	-9.82e-05
509	193	-0.18	1.27	-0.11	-1.54e-03	0.0	2.73e-04
509	196	0.25	-1.30	0.05	1.56e-03	0.0	-2.47e-04
509	218	1.68	-0.41	2.36e-03	4.83e-04	0.0	-1.19e-04
509	225	-0.23	1.53	-0.13	-1.86e-03	0.0	3.23e-04
509	228	0.29	-1.56	0.07	1.88e-03	0.0	-2.98e-04
509	261	-0.10	-0.05	-0.02	5.11e-05	0.0	-4.38e-05
509	264	-0.09	-0.06	-0.03	5.30e-05	0.0	-3.66e-05
509	268	0.04	0.02	-0.04	-3.30e-05	0.0	1.31e-05
509	298	0.03	-0.02	-0.03	1.20e-05	0.0	1.37e-05
509	303	0.04	-0.01	-0.03	7.99e-06	0.0	1.79e-05
509	305	6.83e-03	-0.03	-0.03	1.99e-05	0.0	2.60e-06
509	310	0.03	-0.02	-0.03	1.20e-05	0.0	1.28e-05
510	45	-0.25	-0.11	-0.03	6.41e-05	0.0	-1.09e-04
510	52	0.08	0.05	-0.08	-7.70e-05	0.0	2.07e-05
510	69	0.04	0.14	-0.04	-1.26e-04	0.0	-1.37e-05
510	122	2.00	-0.48	-0.01	3.74e-04	0.0	-9.56e-05
510	129	-0.25	1.78	-0.14	-1.48e-03	0.0	2.98e-04
510	132	0.33	-1.83	0.05	1.49e-03	0.0	-2.63e-04
510	154	2.24	-0.54	-8.30e-03	4.24e-04	0.0	-1.10e-04
510	161	-0.29	2.02	-0.15	-1.68e-03	0.0	3.34e-04
510	164	0.37	-2.07	0.06	1.69e-03	0.0	-2.99e-04
510	186	2.21	-0.56	-7.23e-03	4.41e-04	0.0	-1.10e-04
510	193	-0.30	2.09	-0.15	-1.74e-03	0.0	3.38e-04
510	196	0.38	-2.14	0.07	1.75e-03	0.0	-3.04e-04
510	218	2.57	-0.67	-1.56e-04	5.33e-04	0.0	-1.33e-04
510	225	-0.37	2.53	-0.17	-2.10e-03	0.0	4.00e-04
510	228	0.45	-2.57	0.09	2.11e-03	0.0	-3.65e-04
510	261	-0.16	-0.08	-0.03	4.46e-05	0.0	-6.89e-05
510	264	-0.14	-0.09	-0.05	4.25e-05	0.0	-5.90e-05
510	268	0.06	0.03	-0.05	-5.05e-05	0.0	1.44e-05
510	298	0.04	-0.03	-0.04	2.90e-06	0.0	1.86e-05
510	303	0.06	-0.02	-0.04	0.0	0.0	2.52e-05
510	305	4.69e-03	-0.04	-0.04	1.11e-05	0.0	1.64e-06
510	310	0.04	-0.02	-0.04	3.32e-06	0.0	1.73e-05
511	28	-0.02	-0.03	-0.04	5.35e-05	0.0	-5.36e-06
511	45	-0.08	-0.02	-0.02	3.99e-05	0.0	-2.54e-05
511	92	0.03	-0.05	-0.03	9.16e-05	0.0	1.16e-05
511	122	0.64	-0.13	-0.01	3.01e-04	0.0	-6.19e-05
511	135	-0.34	0.42	-0.03	-9.93e-04	0.0	1.09e-04
511	140	-0.16	-0.49	-0.01	1.14e-03	0.0	-3.30e-05

511	154	0.72	-0.15	-0.01	3.38e-04	0.0	-7.05e-05
511	167	-0.38	0.48	-0.03	-1.13e-03	0.0	1.23e-04
511	172	-0.18	-0.56	-0.01	1.29e-03	0.0	-3.81e-05
511	186	0.71	-0.15	-0.01	3.50e-04	0.0	-7.02e-05
511	199	-0.38	0.50	-0.03	-1.17e-03	0.0	1.24e-04
511	204	-0.17	-0.57	-9.82e-03	1.32e-03	0.0	-3.82e-05
511	218	0.82	-0.18	-8.58e-03	4.18e-04	0.0	-8.35e-05
511	228	0.14	-0.68	-6.48e-03	1.58e-03	0.0	-1.08e-04
511	231	-0.45	0.60	-0.04	-1.42e-03	0.0	1.46e-04
511	251	0.05	-0.01	-0.02	1.78e-05	0.0	1.60e-05
511	256	-0.01	-0.02	-0.03	3.74e-05	0.0	-3.38e-06
511	288	0.02	-0.03	-0.02	6.28e-05	0.0	7.92e-06
511	298	0.02	-0.01	-0.02	2.35e-05	0.0	6.29e-06
511	303	0.02	-0.01	-0.02	2.11e-05	0.0	7.72e-06
511	305	6.52e-03	-0.02	-0.02	2.58e-05	0.0	2.07e-06
511	310	0.02	-0.01	-0.02	2.27e-05	0.0	5.84e-06
512	1	0.0	0.0	0.0	1.80e-05	0.0	2.94e-06
512	113	0.0	0.0	0.0	-5.07e-04	0.0	1.15e-06
512	145	0.0	0.0	0.0	-5.77e-04	0.0	1.18e-06
512	177	0.0	0.0	0.0	-5.98e-04	0.0	1.48e-06
512	209	0.0	0.0	0.0	-7.23e-04	0.0	1.63e-06
512	241	0.0	0.0	0.0	1.38e-05	0.0	2.01e-06
512	297	0.0	0.0	0.0	1.86e-05	0.0	0.0
512	309	0.0	0.0	0.0	1.86e-05	0.0	0.0
513	28	-0.05	-0.06	-0.07	4.07e-05	0.0	-8.61e-06
513	45	-0.16	-0.04	-0.03	3.46e-05	0.0	-5.36e-05
513	92	0.05	-0.09	-0.06	8.95e-05	0.0	3.02e-05
513	122	1.31	-0.29	-0.02	3.36e-04	0.0	-8.05e-05
513	135	-0.71	0.93	-0.07	-1.16e-03	0.0	1.83e-04
513	140	-0.34	-1.07	-0.02	1.31e-03	0.0	-4.32e-05
513	154	1.47	-0.32	-0.01	3.79e-04	0.0	-9.24e-05
513	167	-0.80	1.05	-0.07	-1.32e-03	0.0	2.05e-04
513	172	-0.38	-1.21	-0.01	1.48e-03	0.0	-5.04e-05
513	186	1.45	-0.33	-0.01	3.94e-04	0.0	-9.16e-05
513	199	-0.79	1.10	-0.07	-1.37e-03	0.0	2.05e-04
513	204	-0.36	-1.24	-0.01	1.52e-03	0.0	-4.78e-05
513	218	1.68	-0.40	-0.01	4.72e-04	0.0	-1.10e-04
513	228	0.29	-1.49	-4.96e-03	1.82e-03	0.0	-1.75e-04
513	231	-0.94	1.33	-0.08	-1.65e-03	0.0	2.41e-04
513	256	-0.03	-0.04	-0.05	2.85e-05	0.0	-5.16e-06
513	261	-0.10	-0.04	-0.03	2.81e-05	0.0	-3.24e-05
513	288	0.03	-0.06	-0.04	6.11e-05	0.0	2.07e-05
513	298	0.03	-0.03	-0.04	1.70e-05	0.0	1.55e-05
513	303	0.04	-0.02	-0.04	1.51e-05	0.0	1.85e-05
513	305	7.57e-03	-0.03	-0.04	1.94e-05	0.0	6.30e-06
513	310	0.03	-0.03	-0.04	1.66e-05	0.0	1.44e-05
514	28	-0.09	-0.08	-0.10	1.53e-05	0.0	-1.62e-05
514	45	-0.25	-0.06	-0.05	2.32e-05	0.0	-8.68e-05
514	69	0.04	0.15	-0.04	-1.40e-04	0.0	-1.57e-05
514	122	2.00	-0.47	-0.02	3.67e-04	0.0	-6.84e-05
514	135	-1.10	1.56	-0.11	-1.36e-03	0.0	2.24e-04
514	140	-0.03	-1.78	-0.02	1.50e-03	0.0	-5.46e-05
514	154	2.24	-0.53	-0.02	4.16e-04	0.0	-7.98e-05
514	167	-1.24	1.77	-0.11	-1.54e-03	0.0	2.49e-04
514	172	-0.03	-2.01	-0.02	1.70e-03	0.0	-6.40e-05
514	186	2.21	-0.55	-0.02	4.34e-04	0.0	-7.81e-05
514	199	-1.23	1.84	-0.11	-1.60e-03	0.0	2.46e-04
514	204	-0.04	-2.07	-0.02	1.75e-03	0.0	-5.83e-05
514	218	2.57	-0.65	-9.23e-03	5.24e-04	0.0	-9.53e-05
514	228	0.45	-2.48	-1.09e-03	2.10e-03	0.0	-2.05e-04
514	231	-1.45	2.22	-0.13	-1.93e-03	0.0	2.86e-04
514	256	-0.06	-0.06	-0.07	1.10e-05	0.0	-9.87e-06
514	261	-0.15	-0.05	-0.05	1.74e-05	0.0	-5.28e-05
514	288	0.04	-0.10	-0.06	5.34e-05	0.0	3.41e-05
514	298	0.04	-0.04	-0.06	3.89e-06	0.0	2.37e-05
514	303	0.06	-0.03	-0.06	2.98e-06	0.0	2.88e-05
514	305	5.49e-03	-0.04	-0.06	6.49e-06	0.0	9.05e-06
514	310	0.04	-0.03	-0.06	4.15e-06	0.0	2.22e-05
515	43	-1.69	0.17	-0.18	0.0	3.53e-04	1.67e-03
515	68	-0.03	0.59	-0.25	0.0	-1.66e-05	8.02e-05
515	123	-4.26	1.51	-0.34	0.0	-1.40e-03	2.14e-04
515	137	0.38	4.62	-0.82	0.0	4.20e-04	1.92e-04
515	155	-4.78	1.70	-0.37	0.0	-1.57e-03	2.34e-04
515	169	0.43	5.22	-0.92	0.0	4.73e-04	2.10e-04
515	187	-4.71	1.76	-0.38	0.0	-1.55e-03	2.33e-04

515	201	0.43	5.36	-0.94	0.0	4.59e-04	2.10e-04
515	219	-5.47	2.09	-0.43	0.0	-1.80e-03	2.64e-04
515	225	-0.10	6.44	-1.10	0.0	-2.43e-05	3.24e-04
515	263	-1.13	0.12	-0.12	0.0	2.35e-04	1.12e-03
515	276	-0.02	0.39	-0.17	0.0	-1.17e-05	5.58e-05
515	305	-0.25	0.09	-0.11	0.0	3.61e-05	2.63e-04
515	307	-0.02	0.14	-0.12	0.0	-1.32e-05	5.08e-05
515	310	-0.03	0.08	-0.11	0.0	-1.38e-05	5.07e-05
516	43	-1.33	0.21	-0.25	0.0	2.25e-04	9.37e-04
516	52	-0.04	0.51	-0.33	0.0	-4.66e-05	2.37e-05
516	68	-0.03	0.70	-0.33	0.0	-3.62e-05	1.80e-05
516	123	-4.90	1.80	-0.40	0.0	-1.18e-03	1.30e-04
516	137	0.44	5.51	-0.91	0.0	3.30e-04	-7.23e-05
516	155	-5.50	2.02	-0.43	0.0	-1.32e-03	1.45e-04
516	169	0.50	6.22	-1.00	0.0	3.73e-04	-8.28e-05
516	187	-5.42	2.09	-0.44	0.0	-1.30e-03	1.43e-04
516	201	0.50	6.38	-1.03	0.0	3.62e-04	-7.91e-05
516	219	-6.29	2.49	-0.49	0.0	-1.50e-03	1.66e-04
516	225	-0.10	7.66	-1.20	0.0	-6.13e-06	1.73e-04
516	263	-0.89	0.14	-0.17	0.0	1.48e-04	6.25e-04
516	268	-0.03	0.35	-0.23	0.0	-3.25e-05	1.65e-05
516	276	-0.02	0.47	-0.23	0.0	-2.56e-05	1.26e-05
516	305	-0.20	0.10	-0.16	0.0	7.64e-06	1.36e-04
516	307	-0.03	0.17	-0.17	0.0	-2.70e-05	1.34e-05
516	310	-0.03	0.10	-0.16	0.0	-2.80e-05	1.39e-05
517	1	0.0	0.0	0.0	0.0	6.62e-04	9.68e-05
517	113	0.0	0.0	0.0	0.0	6.38e-04	0.0
517	145	0.0	0.0	0.0	0.0	7.13e-04	1.13e-06
517	177	0.0	0.0	0.0	0.0	6.91e-04	0.0
517	209	0.0	0.0	0.0	0.0	7.97e-04	1.87e-06
517	241	0.0	0.0	0.0	0.0	4.43e-04	6.42e-05
517	297	0.0	0.0	0.0	0.0	1.19e-05	-3.51e-06
517	309	0.0	0.0	0.0	0.0	1.19e-05	-3.51e-06
518	44	-1.46	-0.04	-0.04	0.0	-1.84e-03	-2.70e-03
518	45	-1.47	-0.03	-0.03	0.0	-1.86e-03	-2.69e-03
518	92	0.02	-0.03	-0.05	0.0	3.14e-05	-1.90e-05
518	122	0.71	-0.13	-0.06	0.0	1.40e-03	1.45e-04
518	132	0.11	-0.49	-0.18	0.0	2.21e-04	5.25e-05
518	154	0.80	-0.15	-0.07	0.0	1.57e-03	1.65e-04
518	164	0.13	-0.56	-0.20	0.0	2.48e-04	6.15e-05
518	186	0.79	-0.15	-0.07	0.0	1.55e-03	1.61e-04
518	196	0.13	-0.58	-0.21	0.0	2.56e-04	6.12e-05
518	218	0.92	-0.18	-0.08	0.0	1.80e-03	1.91e-04
518	228	0.16	-0.69	-0.25	0.0	3.07e-04	7.56e-05
518	261	-0.98	-0.02	-0.02	0.0	-1.24e-03	-1.80e-03
518	264	-0.97	-0.03	-0.03	0.0	-1.23e-03	-1.80e-03
518	288	0.01	-0.02	-0.03	0.0	2.18e-05	-1.39e-05
518	304	-0.19	-9.92e-03	-0.02	0.0	-2.39e-04	-3.69e-04
518	305	-0.19	-0.01	-0.02	0.0	-2.33e-04	-3.74e-04
518	310	8.73e-03	-8.04e-03	-0.02	0.0	1.70e-05	-1.74e-05
519	16	0.23	0.24	-0.04	-1.21e-04	0.0	1.01e-04
519	42	-0.31	-0.58	4.77e-03	3.02e-04	0.0	-2.31e-04
519	45	-0.33	-0.57	0.01	2.95e-04	0.0	-2.28e-04
519	122	2.69	-0.94	-0.23	4.63e-04	0.0	-1.58e-04
519	132	0.45	-3.67	-0.05	1.80e-03	0.0	-6.73e-04
519	154	3.02	-1.06	-0.25	5.23e-04	0.0	-1.77e-04
519	164	0.50	-4.15	-0.05	2.04e-03	0.0	-7.58e-04
519	186	2.98	-1.10	-0.25	5.43e-04	0.0	-1.81e-04
519	196	0.51	-4.29	-0.05	2.11e-03	0.0	-7.60e-04
519	218	3.46	-1.32	-0.29	6.52e-04	0.0	-2.15e-04
519	228	0.61	-5.15	-0.06	2.53e-03	0.0	-9.00e-04
519	249	0.16	0.16	-0.03	-7.89e-05	0.0	6.66e-05
519	261	-0.21	-0.39	2.47e-03	2.02e-04	0.0	-1.54e-04
519	262	-0.20	-0.39	1.18e-03	2.03e-04	0.0	-1.55e-04
519	302	0.06	0.01	-0.02	-5.21e-06	0.0	8.04e-06
519	303	0.07	0.02	-0.02	-7.51e-06	0.0	8.67e-06
519	304	-0.02	-0.10	-0.01	5.12e-05	0.0	-3.62e-05
519	309	0.03	-0.02	-0.02	1.36e-05	0.0	-6.71e-06
519	310	0.05	-0.02	-0.01	1.13e-05	0.0	-6.08e-06
520	16	0.27	0.30	-0.05	-1.21e-04	0.0	1.21e-04
520	42	-0.40	-0.74	6.65e-03	3.07e-04	0.0	-2.91e-04
520	45	-0.42	-0.72	0.02	3.00e-04	0.0	-2.85e-04
520	122	3.40	-1.17	-0.29	4.61e-04	0.0	-1.88e-04
520	132	0.56	-4.57	-0.06	1.79e-03	0.0	-7.93e-04
520	154	3.82	-1.32	-0.32	5.20e-04	0.0	-2.11e-04

520	164	0.63	-5.17	-0.07	2.02e-03	0.0	-8.93e-04
520	186	3.77	-1.37	-0.31	5.39e-04	0.0	-2.14e-04
520	196	0.65	-5.33	-0.07	2.09e-03	0.0	-8.91e-04
520	218	4.38	-1.65	-0.36	6.47e-04	0.0	-2.53e-04
520	228	0.77	-6.40	-0.08	2.51e-03	0.0	-1.05e-03
520	249	0.19	0.20	-0.03	-7.90e-05	0.0	7.92e-05
520	261	-0.27	-0.49	3.58e-03	2.05e-04	0.0	-1.94e-04
520	262	-0.26	-0.50	1.82e-03	2.07e-04	0.0	-1.95e-04
520	302	0.06	0.02	-0.02	-4.38e-06	0.0	7.03e-06
520	303	0.08	0.02	-0.02	-6.17e-06	0.0	6.40e-06
520	304	-0.03	-0.12	-0.02	5.28e-05	0.0	-4.78e-05
520	309	0.03	-0.03	-0.02	1.47e-05	0.0	-1.13e-05
520	310	0.05	-0.02	-0.02	1.29e-05	0.0	-1.19e-05
521	18	0.26	0.20	-0.04	-1.05e-04	0.0	1.05e-04
521	42	-0.31	-0.46	-0.02	2.40e-04	0.0	-2.26e-04
521	45	-0.33	-0.45	-6.55e-03	2.36e-04	0.0	-2.24e-04
521	122	2.69	-0.86	-0.13	4.36e-04	0.0	-1.55e-04
521	132	0.45	-3.37	-0.04	1.71e-03	0.0	-6.66e-04
521	154	3.02	-0.97	-0.15	4.93e-04	0.0	-1.75e-04
521	164	0.50	-3.81	-0.04	1.93e-03	0.0	-7.51e-04
521	186	2.98	-1.01	-0.15	5.12e-04	0.0	-1.79e-04
521	196	0.51	-3.94	-0.04	2.00e-03	0.0	-7.54e-04
521	218	3.46	-1.21	-0.17	6.16e-04	0.0	-2.13e-04
521	228	0.61	-4.73	-0.04	2.40e-03	0.0	-8.94e-04
521	251	0.17	0.13	-0.03	-6.85e-05	0.0	6.96e-05
521	261	-0.21	-0.31	-0.01	1.60e-04	0.0	-1.51e-04
521	262	-0.20	-0.31	-0.01	1.61e-04	0.0	-1.51e-04
521	303	0.07	0.02	-0.02	-8.79e-06	0.0	1.13e-05
521	304	-0.02	-0.08	-0.02	3.97e-05	0.0	-3.40e-05
521	309	0.03	-0.02	-0.02	9.54e-06	0.0	-4.79e-06
521	310	0.05	-0.01	-0.02	6.27e-06	0.0	-3.26e-06
522	18	0.30	0.25	-0.05	-1.07e-04	0.0	1.23e-04
522	42	-0.40	-0.58	-0.02	2.45e-04	0.0	-2.88e-04
522	45	-0.42	-0.57	-8.25e-03	2.41e-04	0.0	-2.84e-04
522	122	3.40	-1.08	-0.17	4.39e-04	0.0	-1.83e-04
522	132	0.56	-4.22	-0.05	1.72e-03	0.0	-7.75e-04
522	154	3.82	-1.22	-0.18	4.96e-04	0.0	-2.05e-04
522	164	0.63	-4.78	-0.05	1.94e-03	0.0	-8.72e-04
522	186	3.77	-1.27	-0.18	5.15e-04	0.0	-2.09e-04
522	196	0.65	-4.94	-0.05	2.01e-03	0.0	-8.71e-04
522	218	4.38	-1.52	-0.21	6.20e-04	0.0	-2.47e-04
522	228	0.78	-5.94	-0.05	2.42e-03	0.0	-1.03e-03
522	251	0.20	0.16	-0.04	-7.02e-05	0.0	8.08e-05
522	261	-0.27	-0.39	-0.01	1.64e-04	0.0	-1.92e-04
522	262	-0.26	-0.39	-0.02	1.65e-04	0.0	-1.93e-04
522	303	0.08	0.02	-0.03	-9.07e-06	0.0	8.54e-06
522	304	-0.03	-0.10	-0.02	4.05e-05	0.0	-4.63e-05
522	309	0.03	-0.02	-0.03	9.61e-06	0.0	-9.77e-06
522	310	0.05	-0.02	-0.03	6.35e-06	0.0	-9.72e-06
523	4	0.20	0.08	-0.05	-5.37e-05	0.0	7.10e-05
523	42	-0.31	-0.35	-0.03	1.75e-04	0.0	-2.10e-04
523	45	-0.33	-0.34	-0.02	1.73e-04	0.0	-2.11e-04
523	122	2.70	-0.78	-0.08	4.14e-04	0.0	-1.45e-04
523	125	2.34	0.84	-0.09	-4.58e-04	0.0	1.22e-04
523	132	0.45	-3.07	-0.01	1.64e-03	0.0	-6.31e-04
523	154	3.03	-0.89	-0.09	4.69e-04	0.0	-1.64e-04
523	157	2.63	0.95	-0.09	-5.19e-04	0.0	1.36e-04
523	164	0.50	-3.48	-8.71e-03	1.85e-03	0.0	-7.12e-04
523	186	2.98	-0.92	-0.09	4.88e-04	0.0	-1.69e-04
523	189	2.59	0.97	-0.09	-5.31e-04	0.0	1.32e-04
523	196	0.51	-3.60	-9.73e-03	1.92e-03	0.0	-7.16e-04
523	218	3.47	-1.11	-0.09	5.88e-04	0.0	-2.02e-04
523	221	3.01	1.16	-0.10	-6.32e-04	0.0	1.55e-04
523	228	0.61	-4.33	-6.32e-03	2.31e-03	0.0	-8.50e-04
523	244	0.13	0.05	-0.04	-3.50e-05	0.0	4.70e-05
523	261	-0.21	-0.23	-0.02	1.17e-04	0.0	-1.41e-04
523	262	-0.20	-0.23	-0.02	1.18e-04	0.0	-1.41e-04
523	301	0.05	-0.01	-0.03	1.09e-06	0.0	2.73e-06
523	303	0.07	8.45e-03	-0.03	-1.04e-05	0.0	1.67e-05
523	304	-0.02	-0.06	-0.03	2.76e-05	0.0	-2.87e-05
523	309	0.03	-0.02	-0.03	5.21e-06	0.0	0.0
523	310	0.05	-0.01	-0.03	0.0	0.0	2.71e-06
524	4	0.22	0.11	-0.07	-6.03e-05	0.0	7.58e-05
524	42	-0.40	-0.43	-0.04	1.78e-04	0.0	-2.75e-04
524	45	-0.42	-0.42	-0.02	1.77e-04	0.0	-2.73e-04

524	122	3.41	-0.99	-0.10	4.22e-04	0.0	-1.66e-04
524	125	2.96	1.07	-0.11	-4.75e-04	0.0	1.25e-04
524	132	0.56	-3.91	-0.02	1.68e-03	0.0	-7.16e-04
524	154	3.82	-1.13	-0.11	4.78e-04	0.0	-1.87e-04
524	157	3.32	1.21	-0.12	-5.37e-04	0.0	1.41e-04
524	164	0.63	-4.42	-0.01	1.90e-03	0.0	-8.07e-04
524	186	3.77	-1.17	-0.11	4.98e-04	0.0	-1.90e-04
524	189	3.27	1.24	-0.12	-5.50e-04	0.0	1.34e-04
524	196	0.65	-4.58	-0.01	1.97e-03	0.0	-8.05e-04
524	218	4.38	-1.41	-0.12	6.01e-04	0.0	-2.26e-04
524	221	3.80	1.48	-0.13	-6.54e-04	0.0	1.57e-04
524	228	0.78	-5.51	-0.01	2.37e-03	0.0	-9.52e-04
524	244	0.15	0.07	-0.05	-3.95e-05	0.0	4.96e-05
524	261	-0.27	-0.29	-0.03	1.19e-04	0.0	-1.84e-04
524	262	-0.26	-0.29	-0.03	1.19e-04	0.0	-1.84e-04
524	301	0.05	-0.01	-0.04	-1.72e-06	0.0	-4.55e-06
524	303	0.08	0.01	-0.04	-1.35e-05	0.0	1.34e-05
524	304	-0.03	-0.07	-0.03	2.64e-05	0.0	-4.16e-05
524	309	0.03	-0.02	-0.03	3.33e-06	0.0	-6.06e-06
524	310	0.05	-0.01	-0.04	-1.93e-06	0.0	-4.37e-06
525	42	-0.31	-0.24	-0.04	1.10e-04	0.0	-1.83e-04
525	45	-0.33	-0.23	-0.03	1.10e-04	0.0	-1.86e-04
525	52	0.10	0.11	-0.07	-8.89e-05	0.0	2.48e-06
525	122	2.70	-0.72	-0.06	4.00e-04	0.0	-1.19e-04
525	132	0.45	-2.81	-0.02	1.61e-03	0.0	-5.37e-04
525	141	0.42	2.44	-0.07	-1.45e-03	0.0	2.78e-04
525	154	3.03	-0.81	-0.06	4.54e-04	0.0	-1.36e-04
525	164	0.50	-3.18	-0.01	1.82e-03	0.0	-6.08e-04
525	173	0.47	2.77	-0.08	-1.64e-03	0.0	3.12e-04
525	186	2.98	-0.84	-0.06	4.73e-04	0.0	-1.39e-04
525	196	0.51	-3.30	-0.01	1.89e-03	0.0	-6.11e-04
525	205	0.48	2.84	-0.08	-1.68e-03	0.0	3.04e-04
525	218	3.47	-1.02	-0.06	5.72e-04	0.0	-1.69e-04
525	228	0.61	-3.97	-5.09e-03	2.27e-03	0.0	-7.27e-04
525	237	0.56	3.38	-0.09	-2.00e-03	0.0	3.57e-04
525	261	-0.21	-0.16	-0.03	7.35e-05	0.0	-1.22e-04
525	262	-0.21	-0.16	-0.03	7.39e-05	0.0	-1.22e-04
525	268	0.07	0.07	-0.05	-5.88e-05	0.0	1.81e-06
525	298	0.05	-0.02	-0.04	-5.53e-06	0.0	1.18e-05
525	303	0.07	-2.27e-03	-0.04	-1.19e-05	0.0	2.35e-05
525	304	-0.02	-0.05	-0.03	1.55e-05	0.0	-2.06e-05
525	309	0.03	-0.02	-0.03	0.0	0.0	4.79e-06
525	310	0.05	-0.02	-0.04	-4.60e-06	0.0	1.08e-05
526	42	-0.40	-0.29	-0.06	1.03e-04	0.0	-2.46e-04
526	45	-0.42	-0.28	-0.04	1.07e-04	0.0	-2.47e-04
526	52	0.10	0.16	-0.09	-1.08e-04	0.0	-2.16e-05
526	122	3.41	-0.92	-0.07	4.11e-04	0.0	-1.31e-04
526	132	0.56	-3.64	-0.02	1.67e-03	0.0	-5.94e-04
526	141	0.52	3.20	-0.10	-1.53e-03	0.0	2.75e-04
526	154	3.83	-1.05	-0.07	4.67e-04	0.0	-1.49e-04
526	164	0.63	-4.12	-0.02	1.90e-03	0.0	-6.70e-04
526	173	0.58	3.62	-0.10	-1.73e-03	0.0	3.08e-04
526	186	3.77	-1.09	-0.07	4.87e-04	0.0	-1.51e-04
526	196	0.65	-4.27	-0.02	1.97e-03	0.0	-6.66e-04
526	205	0.59	3.72	-0.10	-1.78e-03	0.0	2.92e-04
526	218	4.39	-1.31	-0.08	5.91e-04	0.0	-1.81e-04
526	228	0.78	-5.14	-7.86e-03	2.37e-03	0.0	-7.88e-04
526	237	0.69	4.43	-0.11	-2.11e-03	0.0	3.42e-04
526	261	-0.27	-0.20	-0.04	6.90e-05	0.0	-1.65e-04
526	262	-0.26	-0.20	-0.04	6.89e-05	0.0	-1.64e-04
526	268	0.07	0.10	-0.07	-7.18e-05	0.0	-1.48e-05
526	298	0.05	-0.01	-0.06	-1.37e-05	0.0	4.48e-06
526	303	0.08	5.72e-03	-0.05	-1.97e-05	0.0	2.02e-05
526	304	-0.03	-0.05	-0.04	1.03e-05	0.0	-3.33e-05
526	309	0.03	-0.02	-0.04	-4.42e-06	0.0	0.0
526	310	0.05	-0.01	-0.05	-1.24e-05	0.0	3.78e-06
527	45	-0.34	-0.14	-0.04	5.18e-05	0.0	-1.54e-04
527	52	0.10	0.10	-0.10	-1.08e-04	0.0	1.14e-05
527	69	0.04	0.21	-0.05	-1.48e-04	0.0	-3.05e-05
527	122	2.70	-0.68	-0.02	3.95e-04	0.0	-7.07e-05
527	129	-0.35	2.57	-0.16	-1.63e-03	0.0	3.98e-04
527	132	0.45	-2.62	0.05	1.62e-03	0.0	-3.64e-04
527	154	3.03	-0.76	-0.02	4.49e-04	0.0	-8.21e-05
527	161	-0.41	2.91	-0.18	-1.85e-03	0.0	4.46e-04
527	164	0.50	-2.96	0.07	1.83e-03	0.0	-4.12e-04

527	186	2.99	-0.79	-0.01	4.69e-04	0.0	-8.37e-05
527	193	-0.42	3.02	-0.18	-1.92e-03	0.0	4.43e-04
527	196	0.52	-3.07	0.07	1.90e-03	0.0	-4.09e-04
527	218	3.47	-0.95	-6.26e-03	5.68e-04	0.0	-1.03e-04
527	225	-0.52	3.65	-0.21	-2.31e-03	0.0	5.21e-04
527	228	0.61	-3.70	0.10	2.29e-03	0.0	-4.86e-04
527	261	-0.21	-0.10	-0.04	3.32e-05	0.0	-9.88e-05
527	268	0.07	0.06	-0.07	-7.21e-05	0.0	8.09e-06
527	273	0.04	0.13	-0.05	-1.00e-04	0.0	-1.66e-05
527	298	0.05	-0.03	-0.06	-1.03e-05	0.0	1.85e-05
527	303	0.07	-0.02	-0.06	-1.28e-05	0.0	2.79e-05
527	305	-7.15e-04	-0.04	-0.06	-2.08e-06	0.0	-4.40e-06
527	310	0.05	-0.03	-0.06	-9.25e-06	0.0	1.72e-05
528	45	-0.42	-0.16	-0.05	3.51e-05	0.0	-2.06e-04
528	52	0.10	0.16	-0.13	-1.42e-04	0.0	-1.31e-05
528	71	0.07	0.29	-0.09	-1.88e-04	0.0	-4.37e-05
528	122	3.41	-0.88	-0.03	4.04e-04	0.0	-7.97e-05
528	129	-0.47	3.43	-0.19	-1.75e-03	0.0	4.26e-04
528	132	0.57	-3.47	0.04	1.70e-03	0.0	-4.07e-04
528	154	3.83	-1.00	-0.03	4.62e-04	0.0	-9.11e-05
528	161	-0.53	3.89	-0.20	-1.98e-03	0.0	4.78e-04
528	164	0.63	-3.93	0.06	1.93e-03	0.0	-4.59e-04
528	186	3.78	-1.04	-0.03	4.83e-04	0.0	-9.14e-05
528	193	-0.55	4.04	-0.21	-2.06e-03	0.0	4.70e-04
528	196	0.65	-4.07	0.06	2.01e-03	0.0	-4.50e-04
528	218	4.39	-1.25	-0.02	5.88e-04	0.0	-1.10e-04
528	225	-0.68	4.87	-0.23	-2.47e-03	0.0	5.50e-04
528	228	0.78	-4.91	0.09	2.42e-03	0.0	-5.30e-04
528	261	-0.27	-0.12	-0.05	1.82e-05	0.0	-1.36e-04
528	268	0.07	0.10	-0.09	-9.52e-05	0.0	-8.75e-06
528	275	0.06	0.19	-0.08	-1.30e-04	0.0	-2.75e-05
528	298	0.05	-0.02	-0.07	-2.60e-05	0.0	1.06e-05
528	303	0.08	-8.72e-03	-0.07	-2.73e-05	0.0	2.35e-05
528	308	0.03	-0.04	-0.05	-2.57e-06	0.0	7.19e-06
528	309	0.03	-0.02	-0.05	-1.30e-05	0.0	3.38e-06
528	310	0.05	-0.02	-0.07	-2.41e-05	0.0	9.61e-06
529	28	-0.13	-0.08	-0.13	-2.24e-05	0.0	-3.32e-05
529	45	-0.33	-0.07	-0.06	5.28e-06	0.0	-1.24e-04
529	69	0.04	0.22	-0.06	-1.69e-04	0.0	-3.10e-05
529	122	2.70	-0.67	-0.03	5.08e-04	0.0	-2.85e-05
529	135	-1.50	2.30	-0.14	-1.57e-03	0.0	2.44e-04
529	140	-0.04	-2.59	-0.03	1.67e-03	0.0	2.01e-04
529	154	3.03	-0.75	-0.02	5.77e-04	0.0	-3.52e-05
529	167	-1.70	2.61	-0.15	-1.78e-03	0.0	2.71e-04
529	172	-0.05	-2.93	-0.02	1.89e-03	0.0	2.23e-04
529	186	2.99	-0.78	-0.02	5.97e-04	0.0	-3.46e-05
529	196	0.52	-3.01	-0.01	1.94e-03	0.0	-1.90e-04
529	199	-1.69	2.71	-0.16	-1.85e-03	0.0	2.65e-04
529	218	3.47	-0.94	-8.94e-03	7.20e-04	0.0	-4.51e-05
529	228	0.62	-3.62	2.02e-03	2.33e-03	0.0	-2.26e-04
529	231	-1.99	3.27	-0.17	-2.22e-03	0.0	3.06e-04
529	256	-0.08	-0.06	-0.10	-1.53e-05	0.0	-2.12e-05
529	261	-0.21	-0.06	-0.06	0.0	0.0	-7.69e-05
529	273	0.04	0.14	-0.06	-1.15e-04	0.0	-1.50e-05
529	298	0.05	-0.04	-0.08	-1.57e-05	0.0	2.68e-05
529	303	0.07	-0.03	-0.07	-1.52e-05	0.0	3.42e-05
529	308	0.03	-0.05	-0.06	4.00e-06	0.0	1.72e-05
529	310	0.05	-0.03	-0.07	-1.44e-05	0.0	2.50e-05
530	28	-0.17	-0.06	-0.18	-6.73e-05	0.0	-6.35e-05
530	45	-0.42	-0.07	-0.08	-1.81e-05	0.0	-1.63e-04
530	69	0.05	0.32	-0.07	-1.96e-04	0.0	-5.23e-05
530	122	3.41	-0.87	-0.03	5.27e-04	0.0	-3.28e-05
530	135	-1.92	3.12	-0.19	-1.72e-03	0.0	2.67e-04
530	140	-0.05	-3.48	-0.04	1.78e-03	0.0	2.04e-04
530	154	3.83	-0.99	-0.03	6.01e-04	0.0	-3.93e-05
530	167	-2.17	3.54	-0.20	-1.94e-03	0.0	2.98e-04
530	172	-0.07	-3.93	-0.03	2.02e-03	0.0	2.28e-04
530	186	3.78	-1.03	-0.03	6.23e-04	0.0	-3.79e-05
530	199	-2.16	3.68	-0.20	-2.01e-03	0.0	2.89e-04
530	204	-0.08	-4.04	-0.02	2.08e-03	0.0	2.25e-04
530	218	4.39	-1.24	-0.01	7.56e-04	0.0	-4.78e-05
530	228	0.78	-4.86	9.38e-04	2.50e-03	0.0	-3.48e-04
530	231	-2.55	4.44	-0.22	-2.42e-03	0.0	3.34e-04
530	256	-0.11	-0.04	-0.12	-4.66e-05	0.0	-4.18e-05
530	261	-0.27	-0.05	-0.08	-2.05e-05	0.0	-1.05e-04

530	273	0.05	0.20	-0.08	-1.39e-04	0.0	-3.07e-05
530	298	0.05	-0.02	-0.10	-3.84e-05	0.0	2.12e-05
530	303	0.08	-0.02	-0.10	-3.62e-05	0.0	3.11e-05
530	308	0.03	-0.04	-0.07	-1.00e-05	0.0	1.42e-05
530	310	0.05	-0.02	-0.10	-3.60e-05	0.0	1.97e-05
531	44	-1.38	0.83	-0.39	0.0	-1.60e-04	4.48e-05
531	52	-0.37	1.50	-0.46	0.0	-1.77e-04	1.65e-05
531	68	-0.30	1.78	-0.42	0.0	-1.54e-04	1.33e-05
531	123	-9.11	3.16	-0.36	0.0	-9.91e-04	1.63e-05
531	137	0.69	11.55	-0.58	0.0	-3.49e-05	2.07e-04
531	155	-10.21	3.52	-0.38	0.0	-1.10e-03	1.78e-05
531	169	0.80	13.01	-0.63	0.0	-2.79e-05	2.32e-04
531	187	-10.05	3.65	-0.38	0.0	-1.09e-03	2.16e-05
531	193	-0.19	13.29	-0.64	0.0	-1.39e-04	4.08e-04
531	201	0.81	13.36	-0.64	0.0	-2.93e-05	2.30e-04
531	219	-11.66	4.32	-0.41	0.0	-1.25e-03	2.72e-05
531	225	-0.20	15.92	-0.72	0.0	-1.52e-04	4.85e-04
531	264	-0.93	0.58	-0.28	0.0	-1.12e-04	3.03e-05
531	268	-0.25	1.02	-0.33	0.0	-1.23e-04	1.15e-05
531	276	-0.21	1.21	-0.30	0.0	-1.08e-04	9.34e-06
531	298	-0.22	0.49	-0.26	0.0	-9.90e-05	9.50e-06
531	305	-0.35	0.47	-0.25	0.0	-9.48e-05	1.30e-05
531	307	-0.20	0.60	-0.25	0.0	-9.40e-05	8.75e-06
531	310	-0.21	0.46	-0.25	0.0	-9.34e-05	8.89e-06
532	44	-0.76	0.26	-0.15	0.0	-2.31e-04	-5.88e-04
532	52	-0.06	0.56	-0.26	0.0	-6.33e-05	-2.01e-05
532	68	-0.04	0.75	-0.26	0.0	-4.91e-05	-1.86e-05
532	123	-5.47	2.08	0.12	0.0	-1.02e-03	-3.51e-05
532	129	0.03	6.25	-0.61	0.0	1.28e-05	2.10e-04
532	141	0.92	5.56	-0.65	0.0	3.60e-04	7.92e-05
532	155	-6.14	2.35	0.15	0.0	-1.14e-03	-3.77e-05
532	161	0.04	7.07	-0.67	0.0	1.95e-05	2.38e-04
532	173	1.05	6.27	-0.72	0.0	4.09e-04	9.05e-05
532	187	-6.04	2.42	0.13	0.0	-1.12e-03	-3.29e-05
532	193	0.03	7.34	-0.69	0.0	2.22e-05	2.42e-04
532	205	1.05	6.45	-0.73	0.0	4.02e-04	8.96e-05
532	219	-7.02	2.88	0.17	0.0	-1.29e-03	-3.42e-05
532	225	0.03	8.82	-0.80	0.0	3.33e-05	2.91e-04
532	237	1.23	7.65	-0.84	0.0	4.75e-04	1.07e-04
532	264	-0.51	0.18	-0.11	0.0	-1.56e-04	-3.93e-04
532	268	-0.04	0.38	-0.18	0.0	-4.41e-05	-1.38e-05
532	276	-0.03	0.51	-0.18	0.0	-3.47e-05	-1.29e-05
532	305	-0.13	0.12	-0.13	0.0	-6.05e-05	-8.59e-05
532	307	-0.03	0.19	-0.14	0.0	-3.63e-05	-9.93e-06
532	310	-0.04	0.11	-0.13	0.0	-3.76e-05	-9.60e-06
533	16	0.31	0.36	-0.06	-1.21e-04	0.0	1.37e-04
533	42	-0.47	-0.88	9.22e-03	3.10e-04	0.0	-3.44e-04
533	45	-0.49	-0.86	0.02	3.03e-04	0.0	-3.36e-04
533	122	4.04	-1.38	-0.34	4.59e-04	0.0	-2.13e-04
533	132	0.66	-5.37	-0.07	1.78e-03	0.0	-8.91e-04
533	154	4.54	-1.55	-0.38	5.18e-04	0.0	-2.38e-04
533	164	0.74	-6.07	-0.08	2.01e-03	0.0	-1.00e-03
533	186	4.48	-1.61	-0.37	5.37e-04	0.0	-2.41e-04
533	196	0.77	-6.27	-0.08	2.08e-03	0.0	-9.96e-04
533	218	5.21	-1.94	-0.43	6.45e-04	0.0	-2.83e-04
533	228	0.92	-7.53	-0.10	2.50e-03	0.0	-1.17e-03
533	249	0.21	0.23	-0.04	-7.88e-05	0.0	8.92e-05
533	261	-0.32	-0.59	5.12e-03	2.07e-04	0.0	-2.29e-04
533	262	-0.31	-0.59	2.69e-03	2.09e-04	0.0	-2.31e-04
533	302	0.06	0.02	-0.03	-3.74e-06	0.0	5.24e-06
533	303	0.08	0.03	-0.03	-5.15e-06	0.0	3.12e-06
533	304	-0.04	-0.15	-0.02	5.38e-05	0.0	-5.88e-05
533	309	0.03	-0.04	-0.03	1.54e-05	0.0	-1.61e-05
533	310	0.04	-0.03	-0.02	1.40e-05	0.0	-1.82e-05
534	16	0.35	0.41	-0.08	-2.15e-05	-3.30e-05	1.50e-04
534	42	-0.57	-1.02	9.18e-03	-3.51e-04	-1.05e-04	-3.95e-04
534	45	-0.59	-1.00	0.02	-2.99e-04	-8.34e-05	-3.84e-04
534	122	4.68	-1.58	-0.39	3.03e-04	3.45e-04	-2.37e-04
534	132	0.76	-6.16	-0.09	1.63e-03	2.70e-05	-9.82e-04
534	154	5.26	-1.79	-0.44	3.61e-04	3.94e-04	-2.64e-04
534	164	0.86	-6.97	-0.10	1.86e-03	3.80e-05	-1.10e-03
534	186	5.18	-1.85	-0.43	3.81e-04	3.89e-04	-2.67e-04
534	196	0.88	-7.20	-0.10	1.94e-03	4.18e-05	-1.09e-03
534	218	6.03	-2.23	-0.50	4.87e-04	4.62e-04	-3.12e-04
534	228	1.06	-8.64	-0.11	2.36e-03	6.25e-05	-1.28e-03

534	249	0.24	0.27	-0.06	-2.16e-05	-2.54e-05	9.78e-05
534	261	-0.38	-0.68	4.92e-03	-2.32e-04	-7.00e-05	-2.64e-04
534	262	-0.38	-0.69	1.58e-03	-2.41e-04	-7.33e-05	-2.66e-04
534	302	0.07	0.02	-0.04	-7.11e-05	-3.48e-05	2.79e-06
534	303	0.08	0.03	-0.03	-1.16e-04	-5.22e-05	-1.08e-06
534	304	-0.05	-0.17	-0.03	-1.15e-04	-4.44e-05	-6.99e-05
534	309	0.03	-0.04	-0.03	-8.57e-05	-3.80e-05	-2.14e-05
534	310	0.04	-0.04	-0.03	-1.30e-04	-5.54e-05	-2.53e-05
535	18	0.34	0.30	-0.07	-1.09e-04	0.0	1.35e-04
535	42	-0.48	-0.70	-0.03	2.50e-04	0.0	-3.45e-04
535	45	-0.50	-0.68	-0.01	2.45e-04	0.0	-3.37e-04
535	122	4.05	-1.28	-0.20	4.40e-04	0.0	-2.06e-04
535	132	0.66	-5.00	-0.06	1.72e-03	0.0	-8.67e-04
535	154	4.54	-1.44	-0.22	4.98e-04	0.0	-2.31e-04
535	164	0.75	-5.66	-0.06	1.95e-03	0.0	-9.75e-04
535	186	4.48	-1.50	-0.22	5.17e-04	0.0	-2.34e-04
535	196	0.77	-5.85	-0.06	2.02e-03	0.0	-9.69e-04
535	218	5.21	-1.80	-0.25	6.22e-04	0.0	-2.75e-04
535	228	0.92	-7.03	-0.07	2.43e-03	0.0	-1.14e-03
535	251	0.23	0.20	-0.05	-7.13e-05	0.0	8.83e-05
535	261	-0.32	-0.46	-0.02	1.67e-04	0.0	-2.30e-04
535	262	-0.32	-0.47	-0.02	1.68e-04	0.0	-2.32e-04
535	303	0.08	0.02	-0.04	-9.09e-06	0.0	4.03e-06
535	304	-0.04	-0.12	-0.03	4.12e-05	0.0	-5.85e-05
535	309	0.03	-0.03	-0.04	9.79e-06	0.0	-1.56e-05
535	310	0.04	-0.02	-0.04	6.61e-06	0.0	-1.74e-05
536	11	0.25	0.19	-0.10	-1.57e-04	-8.57e-05	6.67e-05
536	42	-0.57	-0.81	-0.04	-2.98e-04	-9.91e-05	-4.01e-04
536	45	-0.59	-0.80	-0.01	-2.50e-04	-7.68e-05	-3.89e-04
536	122	4.68	-1.48	-0.24	3.08e-04	2.44e-04	-2.29e-04
536	132	0.76	-5.78	-0.08	1.63e-03	1.28e-05	-9.52e-04
536	154	5.26	-1.67	-0.26	3.66e-04	2.82e-04	-2.56e-04
536	164	0.86	-6.54	-0.08	1.86e-03	2.24e-05	-1.07e-03
536	186	5.19	-1.73	-0.26	3.86e-04	2.77e-04	-2.58e-04
536	196	0.88	-6.76	-0.08	1.93e-03	2.59e-05	-1.06e-03
536	218	6.03	-2.09	-0.29	4.92e-04	3.33e-04	-3.01e-04
536	228	1.06	-8.13	-0.09	2.35e-03	4.39e-05	-1.24e-03
536	247	0.17	0.12	-0.07	-1.11e-04	-6.05e-05	4.20e-05
536	261	-0.38	-0.54	-0.03	-1.97e-04	-6.61e-05	-2.68e-04
536	262	-0.38	-0.55	-0.03	-2.05e-04	-6.95e-05	-2.70e-04
536	303	0.08	0.03	-0.06	-1.10e-04	-5.59e-05	-2.29e-06
536	304	-0.05	-0.14	-0.05	-1.03e-04	-4.46e-05	-7.15e-05
536	309	0.03	-0.03	-0.05	-7.98e-05	-3.93e-05	-2.25e-05
536	310	0.04	-0.02	-0.05	-1.22e-04	-5.86e-05	-2.68e-05
537	4	0.24	0.14	-0.09	-6.48e-05	0.0	7.36e-05
537	42	-0.48	-0.51	-0.05	1.81e-04	0.0	-3.39e-04
537	45	-0.50	-0.50	-0.03	1.81e-04	0.0	-3.32e-04
537	122	4.05	-1.19	-0.12	4.26e-04	0.0	-1.86e-04
537	125	3.51	1.29	-0.13	-4.84e-04	0.0	1.30e-04
537	132	0.66	-4.67	-0.02	1.70e-03	0.0	-7.94e-04
537	154	4.55	-1.34	-0.13	4.83e-04	0.0	-2.08e-04
537	157	3.94	1.46	-0.14	-5.47e-04	0.0	1.47e-04
537	164	0.75	-5.29	-0.02	1.92e-03	0.0	-8.92e-04
537	186	4.48	-1.40	-0.13	5.03e-04	0.0	-2.11e-04
537	189	3.88	1.50	-0.14	-5.61e-04	0.0	1.37e-04
537	196	0.77	-5.48	-0.02	1.99e-03	0.0	-8.85e-04
537	218	5.21	-1.68	-0.15	6.07e-04	0.0	-2.47e-04
537	221	4.51	1.78	-0.16	-6.67e-04	0.0	1.62e-04
537	228	0.92	-6.59	-0.02	2.40e-03	0.0	-1.04e-03
537	244	0.16	0.09	-0.07	-4.26e-05	0.0	4.75e-05
537	261	-0.32	-0.34	-0.04	1.21e-04	0.0	-2.26e-04
537	262	-0.32	-0.35	-0.04	1.21e-04	0.0	-2.27e-04
537	301	0.05	-0.01	-0.06	-3.40e-06	0.0	-1.50e-05
537	303	0.08	0.02	-0.05	-1.54e-05	0.0	6.77e-06
537	304	-0.04	-0.09	-0.04	2.59e-05	0.0	-5.61e-05
537	309	0.03	-0.02	-0.05	2.20e-06	0.0	-1.35e-05
537	310	0.04	-0.01	-0.05	-3.57e-06	0.0	-1.45e-05
538	4	0.25	0.17	-0.13	-1.73e-04	-1.11e-04	6.38e-05
538	42	-0.57	-0.60	-0.08	-2.22e-04	-9.79e-05	-4.09e-04
538	45	-0.59	-0.59	-0.04	-1.79e-04	-7.29e-05	-3.97e-04
538	122	4.69	-1.38	-0.16	3.16e-04	1.59e-04	-2.10e-04
538	125	4.06	1.51	-0.17	-6.75e-04	1.11e-04	1.35e-04
538	132	0.76	-5.44	-0.05	1.62e-03	0.0	-8.73e-04
538	154	5.26	-1.56	-0.17	3.73e-04	1.87e-04	-2.33e-04
538	157	4.56	1.71	-0.18	-7.49e-04	1.33e-04	1.55e-04

538	164	0.86	-6.16	-0.04	1.85e-03	9.72e-06	-9.79e-04
538	186	5.19	-1.62	-0.17	3.93e-04	1.84e-04	-2.35e-04
538	189	4.49	1.75	-0.18	-7.65e-04	1.29e-04	1.43e-04
538	196	0.89	-6.38	-0.04	1.93e-03	1.32e-05	-9.66e-04
538	218	6.04	-1.96	-0.18	4.98e-04	2.26e-04	-2.72e-04
538	221	5.22	2.09	-0.20	-8.89e-04	1.60e-04	1.71e-04
538	228	1.06	-7.68	-0.04	2.34e-03	3.00e-05	-1.13e-03
538	244	0.17	0.11	-0.10	-1.21e-04	-7.76e-05	3.99e-05
538	261	-0.38	-0.40	-0.05	-1.47e-04	-6.52e-05	-2.73e-04
538	262	-0.38	-0.40	-0.06	-1.54e-04	-6.90e-05	-2.75e-04
538	301	0.04	-9.17e-03	-0.08	-1.13e-04	-6.71e-05	-3.01e-05
538	303	0.08	0.03	-0.08	-1.03e-04	-6.34e-05	-4.38e-06
538	304	-0.05	-0.10	-0.06	-8.61e-05	-4.80e-05	-7.41e-05
538	309	0.03	-0.02	-0.07	-7.09e-05	-4.37e-05	-2.43e-05
538	310	0.04	-8.03e-03	-0.08	-1.10e-04	-6.56e-05	-2.93e-05
539	45	-0.50	-0.33	-0.05	1.05e-04	0.0	-3.11e-04
539	52	0.10	0.21	-0.12	-1.21e-04	0.0	-5.56e-05
539	71	0.07	0.35	-0.08	-1.64e-04	0.0	-8.13e-05
539	122	4.05	-1.11	-0.09	4.14e-04	0.0	-1.47e-04
539	132	0.67	-4.41	-0.03	1.70e-03	0.0	-6.56e-04
539	141	0.60	3.91	-0.12	-1.58e-03	0.0	2.94e-04
539	154	4.55	-1.26	-0.09	4.72e-04	0.0	-1.65e-04
539	164	0.75	-5.00	-0.03	1.93e-03	0.0	-7.37e-04
539	173	0.68	4.43	-0.13	-1.78e-03	0.0	3.31e-04
539	186	4.49	-1.31	-0.09	4.93e-04	0.0	-1.66e-04
539	196	0.77	-5.18	-0.03	2.01e-03	0.0	-7.27e-04
539	205	0.69	4.55	-0.13	-1.83e-03	0.0	3.09e-04
539	218	5.22	-1.58	-0.10	5.99e-04	0.0	-1.95e-04
539	228	0.92	-6.24	-0.02	2.42e-03	0.0	-8.53e-04
539	237	0.80	5.41	-0.14	-2.17e-03	0.0	3.63e-04
539	261	-0.32	-0.22	-0.05	6.66e-05	0.0	-2.11e-04
539	262	-0.32	-0.23	-0.06	6.60e-05	0.0	-2.11e-04
539	268	0.07	0.14	-0.09	-8.10e-05	0.0	-3.83e-05
539	298	0.05	-2.12e-03	-0.07	-1.99e-05	0.0	-8.60e-06
539	303	0.08	0.02	-0.07	-2.58e-05	0.0	1.14e-05
539	304	-0.04	-0.06	-0.06	6.49e-06	0.0	-4.97e-05
539	309	0.03	-0.01	-0.06	-8.54e-06	0.0	-9.51e-06
539	310	0.05	-3.86e-03	-0.07	-1.82e-05	0.0	-8.73e-06
540	4	0.25	0.14	-0.18	-1.67e-04	-1.38e-04	6.05e-05
540	45	-0.59	-0.38	-0.07	-1.18e-04	-7.64e-05	-3.98e-04
540	67	0.07	0.43	-0.15	-3.23e-04	-1.22e-04	-1.40e-04
540	122	4.69	-1.30	-0.13	4.35e-04	9.95e-05	-1.73e-04
540	129	-0.69	5.21	-0.15	-1.80e-03	-1.46e-04	6.71e-04
540	141	0.68	4.64	-0.16	-1.73e-03	-9.51e-05	3.35e-04
540	154	5.27	-1.47	-0.13	5.06e-04	1.22e-04	-1.91e-04
540	161	-0.78	5.90	-0.15	-2.03e-03	-1.55e-04	7.58e-04
540	173	0.76	5.25	-0.17	-1.94e-03	-9.73e-05	3.80e-04
540	186	5.19	-1.53	-0.13	5.26e-04	1.20e-04	-1.91e-04
540	193	-0.81	6.12	-0.16	-2.10e-03	-1.59e-04	7.42e-04
540	205	0.78	5.39	-0.17	-2.00e-03	-9.89e-05	3.57e-04
540	218	6.04	-1.85	-0.13	6.53e-04	1.54e-04	-2.19e-04
540	225	-0.99	7.36	-0.17	-2.51e-03	-1.75e-04	8.75e-04
540	237	0.91	6.42	-0.18	-2.36e-03	-1.04e-04	4.23e-04
540	244	0.17	0.09	-0.13	-1.16e-04	-9.68e-05	3.76e-05
540	261	-0.38	-0.25	-0.08	-1.03e-04	-7.12e-05	-2.74e-04
540	275	0.05	0.28	-0.11	-2.20e-04	-8.59e-05	-9.58e-05
540	298	0.04	0.01	-0.11	-1.04e-04	-8.42e-05	-3.20e-05
540	303	0.08	0.03	-0.10	-9.40e-05	-7.80e-05	-6.23e-06
540	307	0.04	0.06	-0.10	-1.21e-04	-8.01e-05	-4.38e-05
540	310	0.04	8.18e-03	-0.10	-9.81e-05	-7.98e-05	-3.11e-05
541	45	-0.50	-0.17	-0.07	1.92e-05	0.0	-2.63e-04
541	52	0.10	0.23	-0.16	-1.69e-04	0.0	-4.87e-05
541	71	0.07	0.38	-0.11	-2.10e-04	0.0	-7.82e-05
541	122	4.06	-1.07	-0.05	4.04e-04	0.0	-9.32e-05
541	132	0.67	-4.26	0.03	1.75e-03	0.0	-4.61e-04
541	137	0.17	4.20	-0.21	-1.82e-03	0.0	-2.17e-04
541	154	4.55	-1.21	-0.05	4.63e-04	0.0	-1.04e-04
541	161	-0.66	4.82	-0.23	-2.06e-03	0.0	5.10e-04
541	164	0.75	-4.83	0.04	1.98e-03	0.0	-5.18e-04
541	186	4.49	-1.26	-0.05	4.85e-04	0.0	-1.04e-04
541	193	-0.68	5.00	-0.23	-2.14e-03	0.0	4.95e-04
541	196	0.77	-5.01	0.05	2.06e-03	0.0	-5.04e-04
541	218	5.22	-1.52	-0.04	5.94e-04	0.0	-1.21e-04
541	225	-0.83	6.03	-0.26	-2.57e-03	0.0	5.80e-04
541	228	0.93	-6.03	0.07	2.49e-03	0.0	-5.88e-04

541	261	-0.32	-0.12	-0.07	4.08e-06	0.0	-1.77e-04
541	268	0.07	0.15	-0.12	-1.15e-04	0.0	-3.34e-05
541	275	0.06	0.25	-0.10	-1.49e-04	0.0	-5.42e-05
541	298	0.05	-1.99e-03	-0.10	-4.00e-05	0.0	-3.80e-06
541	303	0.08	7.26e-03	-0.09	-4.01e-05	0.0	1.29e-05
541	307	0.05	0.05	-0.09	-5.92e-05	0.0	-1.43e-05
541	309	0.03	-0.01	-0.07	-2.25e-05	0.0	-6.55e-06
541	310	0.05	-3.48e-03	-0.09	-3.75e-05	0.0	-4.19e-06
542	45	-0.59	-0.17	-0.09	-1.03e-04	-9.02e-05	-3.63e-04
542	52	0.08	0.33	-0.23	-2.70e-04	-1.94e-04	-1.04e-04
542	67	0.07	0.50	-0.20	-2.99e-04	-1.59e-04	-1.37e-04
542	122	4.70	-1.24	-0.09	4.34e-04	5.49e-05	-1.17e-04
542	129	-0.69	5.11	-0.24	-1.76e-03	-1.62e-04	4.85e-04
542	137	0.17	5.05	-0.25	-1.80e-03	-1.32e-04	-3.26e-04
542	154	5.28	-1.41	-0.09	5.04e-04	7.49e-05	-1.28e-04
542	161	-0.79	5.79	-0.26	-1.98e-03	-1.70e-04	5.48e-04
542	169	0.19	5.72	-0.26	-2.03e-03	-1.36e-04	-3.65e-04
542	186	5.20	-1.47	-0.08	5.24e-04	7.31e-05	-1.26e-04
542	193	-0.81	6.00	-0.27	-2.05e-03	-1.73e-04	5.29e-04
542	218	6.05	-1.78	-0.08	6.48e-04	1.03e-04	-1.43e-04
542	225	-0.99	7.23	-0.29	-2.45e-03	-1.87e-04	6.22e-04
542	261	-0.38	-0.11	-0.10	-9.10e-05	-8.71e-05	-2.50e-04
542	268	0.06	0.22	-0.16	-1.84e-04	-1.35e-04	-7.19e-05
542	275	0.05	0.33	-0.14	-2.04e-04	-1.12e-04	-9.40e-05
542	298	0.04	0.03	-0.14	-9.72e-05	-1.11e-04	-2.82e-05
542	303	0.08	0.04	-0.13	-8.81e-05	-1.04e-04	-4.81e-06
542	307	0.04	0.09	-0.13	-1.13e-04	-1.05e-04	-4.07e-05
542	310	0.04	0.03	-0.13	-9.15e-05	-1.05e-04	-2.75e-05
543	28	-0.23	-0.02	-0.23	-1.05e-04	0.0	-1.04e-04
543	45	-0.50	-0.05	-0.10	-4.10e-05	0.0	-1.98e-04
543	71	0.07	0.43	-0.16	-2.50e-04	0.0	-6.63e-05
543	122	4.06	-1.05	-0.05	4.01e-04	0.0	1.25e-04
543	135	-2.31	3.92	-0.24	-1.76e-03	0.0	-2.90e-04
543	137	0.17	4.31	-0.20	-1.96e-03	0.0	-2.45e-04
543	154	4.56	-1.19	-0.04	4.62e-04	0.0	1.40e-04
543	167	-2.61	4.44	-0.25	-1.99e-03	0.0	-3.26e-04
543	169	0.18	4.88	-0.21	-2.21e-03	0.0	-2.78e-04
543	186	4.49	-1.25	-0.04	4.85e-04	0.0	1.35e-04
543	199	-2.59	4.61	-0.26	-2.07e-03	0.0	-3.15e-04
543	201	0.20	5.01	-0.22	-2.26e-03	0.0	-2.79e-04
543	218	5.23	-1.51	-0.02	5.97e-04	0.0	1.56e-04
543	225	-0.83	6.03	-0.25	-2.69e-03	0.0	-3.01e-04
543	231	-3.06	5.56	-0.28	-2.48e-03	0.0	-3.69e-04
543	256	-0.15	-0.01	-0.16	-7.30e-05	0.0	-6.96e-05
543	261	-0.32	-0.04	-0.10	-4.03e-05	0.0	-1.32e-04
543	275	0.06	0.28	-0.14	-1.79e-04	0.0	-4.37e-05
543	298	0.05	2.34e-03	-0.14	-5.64e-05	0.0	6.70e-06
543	303	0.08	4.00e-03	-0.13	-5.25e-05	0.0	1.90e-05
543	307	0.05	0.06	-0.13	-7.78e-05	0.0	-4.28e-06
543	309	0.03	-7.12e-03	-0.10	-3.38e-05	0.0	0.0
543	310	0.05	9.93e-04	-0.13	-5.32e-05	0.0	5.80e-06
544	28	-0.30	0.06	-0.33	-2.21e-04	-2.71e-04	-1.58e-04
544	45	-0.59	-0.01	-0.14	-1.13e-04	-1.12e-04	-2.23e-04
544	68	0.08	0.57	-0.29	-3.08e-04	-2.25e-04	-1.19e-04
544	122	4.70	-1.23	-0.09	4.24e-04	6.07e-06	1.03e-04
544	135	-2.71	4.75	-0.31	-1.63e-03	-2.48e-04	-3.38e-04
544	137	0.17	5.25	-0.27	-1.76e-03	-1.60e-04	-3.23e-04
544	154	5.28	-1.40	-0.08	4.93e-04	2.44e-05	1.18e-04
544	167	-3.06	5.38	-0.33	-1.83e-03	-2.62e-04	-3.77e-04
544	169	0.19	5.93	-0.29	-1.98e-03	-1.62e-04	-3.62e-04
544	186	5.21	-1.46	-0.08	5.12e-04	2.27e-05	1.13e-04
544	199	-3.04	5.59	-0.34	-1.90e-03	-2.63e-04	-3.66e-04
544	201	0.21	6.09	-0.29	-2.03e-03	-1.63e-04	-3.66e-04
544	218	6.06	-1.78	-0.06	6.34e-04	5.00e-05	1.35e-04
544	225	-0.99	7.30	-0.33	-2.40e-03	-2.08e-04	-3.50e-04
544	231	-3.58	6.73	-0.37	-2.27e-03	-2.86e-04	-4.25e-04
544	256	-0.20	0.04	-0.23	-1.52e-04	-1.89e-04	-1.07e-04
544	261	-0.38	-2.33e-03	-0.14	-9.92e-05	-1.11e-04	-1.55e-04
544	276	0.06	0.38	-0.21	-2.10e-04	-1.59e-04	-8.14e-05
544	298	0.04	0.04	-0.19	-1.06e-04	-1.48e-04	-2.21e-05
544	303	0.08	0.04	-0.18	-9.57e-05	-1.39e-04	-7.94e-06
544	307	0.04	0.11	-0.19	-1.19e-04	-1.41e-04	-3.31e-05
544	310	0.04	0.04	-0.18	-9.94e-05	-1.41e-04	-2.16e-05
545	44	-2.51	-0.08	-0.06	0.0	-1.33e-03	-4.55e-03
545	45	-2.53	-0.07	-0.04	0.0	-1.35e-03	-4.53e-03

545	92	0.03	-0.07	-0.07	0.0	2.73e-05	-2.87e-05
545	122	1.42	-0.29	-0.11	0.0	1.40e-03	2.46e-04
545	132	0.23	-1.11	-0.32	0.0	2.19e-04	1.04e-04
545	154	1.59	-0.33	-0.12	0.0	1.57e-03	2.80e-04
545	164	0.25	-1.25	-0.36	0.0	2.46e-04	1.21e-04
545	186	1.57	-0.34	-0.12	0.0	1.55e-03	2.73e-04
545	196	0.26	-1.30	-0.37	0.0	2.54e-04	1.19e-04
545	218	1.83	-0.41	-0.14	0.0	1.80e-03	3.23e-04
545	228	0.31	-1.56	-0.44	0.0	3.05e-04	1.45e-04
545	261	-1.68	-0.05	-0.04	0.0	-8.94e-04	-3.03e-03
545	264	-1.67	-0.06	-0.05	0.0	-8.87e-04	-3.04e-03
545	288	0.02	-0.05	-0.05	0.0	1.90e-05	-2.11e-05
545	304	-0.33	-0.02	-0.03	0.0	-1.71e-04	-6.22e-04
545	305	-0.32	-0.03	-0.04	0.0	-1.66e-04	-6.30e-04
545	310	0.02	-0.02	-0.04	0.0	1.45e-05	-2.83e-05
546	44	-0.86	0.33	-0.17	0.0	-2.31e-04	-1.02e-03
546	52	-0.08	0.66	-0.29	0.0	-5.87e-05	-4.35e-05
546	68	-0.06	0.87	-0.28	0.0	-4.70e-05	-3.93e-05
546	123	-6.15	2.31	0.11	0.0	-1.21e-03	-9.48e-05
546	129	0.03	6.91	-0.66	0.0	3.13e-06	2.03e-04
546	141	1.03	6.16	-0.70	0.0	4.23e-04	-4.18e-05
546	155	-6.91	2.59	0.14	0.0	-1.36e-03	-1.03e-04
546	161	0.04	7.81	-0.72	0.0	7.91e-06	2.32e-04
546	173	1.17	6.95	-0.77	0.0	4.80e-04	-4.44e-05
546	187	-6.80	2.67	0.13	0.0	-1.34e-03	-9.70e-05
546	193	0.03	8.11	-0.74	0.0	9.26e-06	2.36e-04
546	205	1.17	7.14	-0.78	0.0	4.68e-04	-4.44e-05
546	219	-7.90	3.18	0.17	0.0	-1.55e-03	-1.07e-04
546	225	0.04	9.74	-0.86	0.0	1.64e-05	2.85e-04
546	237	1.38	8.46	-0.90	0.0	5.49e-04	-4.88e-05
546	264	-0.58	0.23	-0.12	0.0	-1.56e-04	-6.80e-04
546	268	-0.05	0.45	-0.20	0.0	-4.09e-05	-3.02e-05
546	276	-0.04	0.59	-0.20	0.0	-3.31e-05	-2.74e-05
546	305	-0.15	0.16	-0.14	0.0	-5.78e-05	-1.53e-04
546	307	-0.05	0.23	-0.15	0.0	-3.33e-05	-2.25e-05
546	310	-0.05	0.15	-0.15	0.0	-3.42e-05	-2.22e-05
547	1	0.0	0.0	0.0	-9.10e-06	0.0	0.0
547	113	0.0	0.0	0.0	-8.06e-04	0.0	3.06e-06
547	145	0.0	0.0	0.0	-9.09e-04	0.0	3.45e-06
547	177	0.0	0.0	0.0	-9.33e-04	0.0	3.42e-06
547	209	0.0	0.0	0.0	-1.11e-03	0.0	4.04e-06
547	241	0.0	0.0	0.0	-6.68e-06	0.0	0.0
547	297	0.0	0.0	0.0	-8.51e-06	0.0	0.0
547	309	0.0	0.0	0.0	-8.51e-06	0.0	0.0
548	4	-0.01	0.01	-0.08	-2.68e-05	0.0	0.0
548	44	-0.12	0.02	-0.05	-3.36e-05	0.0	0.0
548	68	-0.03	0.09	-0.07	-1.89e-04	0.0	0.0
548	122	0.64	-0.23	-0.10	4.52e-04	0.0	-4.15e-06
548	123	-0.68	0.24	0.02	-4.83e-04	0.0	3.56e-06
548	137	-4.60e-03	0.81	-0.06	-1.62e-03	0.0	-2.19e-06
548	154	0.72	-0.26	-0.11	5.14e-04	0.0	-4.68e-06
548	155	-0.76	0.27	0.02	-5.45e-04	0.0	4.09e-06
548	169	-2.51e-03	0.92	-0.06	-1.83e-03	0.0	-2.45e-06
548	186	0.71	-0.27	-0.11	5.31e-04	0.0	-5.11e-06
548	187	-0.75	0.28	0.02	-5.62e-04	0.0	4.52e-06
548	201	-6.54e-04	0.94	-0.06	-1.87e-03	0.0	-2.44e-06
548	218	0.83	-0.32	-0.12	6.41e-04	0.0	-6.21e-06
548	219	-0.87	0.34	0.03	-6.72e-04	0.0	5.62e-06
548	233	3.64e-03	1.12	-0.06	-2.23e-03	0.0	-2.85e-06
548	244	-0.01	9.15e-03	-0.06	-1.85e-05	0.0	0.0
548	264	-0.08	0.01	-0.04	-2.30e-05	0.0	0.0
548	276	-0.02	0.06	-0.05	-1.27e-04	0.0	0.0
548	298	-0.02	8.14e-03	-0.05	-1.64e-05	0.0	0.0
548	305	-0.03	8.20e-03	-0.04	-1.65e-05	0.0	0.0
548	307	-0.02	0.02	-0.04	-3.72e-05	0.0	0.0
548	310	-0.02	7.58e-03	-0.04	-1.53e-05	0.0	0.0
549	28	-0.09	0.02	-0.06	-3.50e-05	0.0	0.0
549	44	-0.12	0.02	-0.05	-3.33e-05	0.0	0.0
549	68	-0.03	0.09	-0.05	-1.90e-04	0.0	0.0
549	123	-0.68	0.24	-0.08	-4.78e-04	0.0	3.49e-06
549	137	-4.33e-03	0.81	-0.03	-1.61e-03	0.0	-2.17e-06
549	155	-0.76	0.27	-0.08	-5.39e-04	0.0	4.02e-06
549	169	-2.22e-03	0.92	-0.03	-1.82e-03	0.0	-2.42e-06
549	187	-0.75	0.28	-0.08	-5.55e-04	0.0	4.45e-06
549	201	-3.62e-04	0.94	-0.03	-1.87e-03	0.0	-2.41e-06

549	219	-0.87	0.33	-0.09	-6.64e-04	0.0	5.53e-06
549	233	3.96e-03	1.12	-0.03	-2.22e-03	0.0	-2.82e-06
549	256	-0.06	0.01	-0.04	-2.40e-05	0.0	0.0
549	264	-0.08	0.01	-0.04	-2.28e-05	0.0	0.0
549	276	-0.02	0.06	-0.04	-1.27e-04	0.0	0.0
549	298	-0.02	8.32e-03	-0.03	-1.67e-05	0.0	0.0
549	305	-0.03	8.31e-03	-0.03	-1.67e-05	0.0	0.0
549	307	-0.02	0.02	-0.03	-3.75e-05	0.0	0.0
549	310	-0.02	7.75e-03	-0.03	-1.55e-05	0.0	0.0
550	1	0.0	0.0	0.0	-9.61e-06	0.0	0.0
550	113	0.0	0.0	0.0	-8.03e-04	0.0	3.16e-06
550	145	0.0	0.0	0.0	-9.06e-04	0.0	3.57e-06
550	177	0.0	0.0	0.0	-9.29e-04	0.0	3.55e-06
550	209	0.0	0.0	0.0	-1.11e-03	0.0	4.19e-06
550	241	0.0	0.0	0.0	-7.03e-06	0.0	0.0
550	297	0.0	0.0	0.0	-8.71e-06	0.0	0.0
550	309	0.0	0.0	0.0	-8.71e-06	0.0	0.0
551	4	-0.01	0.03	-0.17	-2.70e-05	0.0	-1.40e-06
551	44	-0.23	0.03	-0.12	-3.38e-05	0.0	0.0
551	68	-0.05	0.19	-0.14	-1.89e-04	0.0	-1.28e-06
551	122	1.31	-0.45	-0.17	4.49e-04	0.0	-8.58e-06
551	123	-1.38	0.48	-4.51e-03	-4.79e-04	0.0	7.51e-06
551	137	-5.18e-04	1.62	-0.11	-1.61e-03	0.0	-4.46e-06
551	154	1.47	-0.52	-0.18	5.10e-04	0.0	-9.70e-06
551	155	-1.55	0.55	5.93e-03	-5.41e-04	0.0	8.63e-06
551	169	3.87e-03	1.83	-0.12	-1.81e-03	0.0	-5.00e-06
551	186	1.45	-0.53	-0.18	5.27e-04	0.0	-1.06e-05
551	187	-1.53	0.56	4.11e-03	-5.58e-04	0.0	9.49e-06
551	201	7.73e-03	1.88	-0.12	-1.86e-03	0.0	-4.97e-06
551	218	1.70	-0.64	-0.20	6.36e-04	0.0	-1.28e-05
551	219	-1.77	0.67	0.02	-6.67e-04	0.0	1.18e-05
551	233	0.02	2.23	-0.12	-2.21e-03	0.0	-5.83e-06
551	244	-0.01	0.02	-0.12	-1.86e-05	0.0	0.0
551	264	-0.16	0.02	-0.08	-2.32e-05	0.0	0.0
551	276	-0.04	0.13	-0.10	-1.27e-04	0.0	0.0
551	298	-0.04	0.02	-0.09	-1.65e-05	0.0	0.0
551	305	-0.06	0.02	-0.09	-1.66e-05	0.0	0.0
551	307	-0.04	0.04	-0.09	-3.73e-05	0.0	0.0
551	310	-0.04	0.02	-0.09	-1.54e-05	0.0	0.0
552	28	-0.17	0.04	-0.12	-3.51e-05	0.0	0.0
552	44	-0.23	0.03	-0.11	-3.33e-05	0.0	0.0
552	68	-0.05	0.19	-0.10	-1.90e-04	0.0	-1.31e-06
552	123	-1.38	0.48	-0.15	-4.74e-04	0.0	7.40e-06
552	137	-6.09e-05	1.62	-0.07	-1.60e-03	0.0	-4.43e-06
552	155	-1.55	0.54	-0.16	-5.34e-04	0.0	8.51e-06
552	169	4.34e-03	1.83	-0.07	-1.81e-03	0.0	-4.96e-06
552	187	-1.53	0.56	-0.16	-5.51e-04	0.0	9.37e-06
552	201	8.21e-03	1.87	-0.07	-1.85e-03	0.0	-4.94e-06
552	219	-1.77	0.67	-0.17	-6.59e-04	0.0	1.16e-05
552	233	0.02	2.23	-0.07	-2.20e-03	0.0	-5.79e-06
552	256	-0.11	0.02	-0.08	-2.40e-05	0.0	0.0
552	264	-0.16	0.02	-0.07	-2.29e-05	0.0	0.0
552	276	-0.04	0.13	-0.07	-1.27e-04	0.0	0.0
552	298	-0.04	0.02	-0.07	-1.67e-05	0.0	0.0
552	305	-0.06	0.02	-0.07	-1.67e-05	0.0	0.0
552	307	-0.04	0.04	-0.06	-3.75e-05	0.0	0.0
552	310	-0.04	0.02	-0.06	-1.56e-05	0.0	0.0
553	4	-2.09e-04	0.04	-0.26	-2.73e-05	0.0	-1.91e-06
553	44	-0.33	0.05	-0.20	-3.42e-05	0.0	1.12e-06
553	68	-0.06	0.28	-0.22	-1.89e-04	0.0	-1.75e-06
553	123	-2.09	0.72	-0.07	-4.74e-04	0.0	1.17e-05
553	125	1.72	0.61	-0.22	-4.00e-04	0.0	-1.13e-06
553	137	0.01	2.42	-0.17	-1.59e-03	0.0	-6.61e-06
553	155	-2.34	0.82	-0.06	-5.35e-04	0.0	1.34e-05
553	157	1.94	0.69	-0.23	-4.51e-04	0.0	-1.26e-06
553	169	0.02	2.74	-0.17	-1.79e-03	0.0	-7.43e-06
553	187	-2.31	0.84	-0.06	-5.52e-04	0.0	1.46e-05
553	189	1.91	0.71	-0.23	-4.64e-04	0.0	-1.86e-06
553	201	0.02	2.81	-0.17	-1.84e-03	0.0	-7.40e-06
553	219	-2.68	1.01	-0.05	-6.60e-04	0.0	1.81e-05
553	221	2.23	0.84	-0.24	-5.50e-04	0.0	-2.26e-06
553	233	0.04	3.34	-0.18	-2.19e-03	0.0	-8.69e-06
553	244	-2.89e-03	0.03	-0.18	-1.88e-05	0.0	-1.32e-06
553	264	-0.23	0.03	-0.14	-2.34e-05	0.0	0.0
553	276	-0.04	0.19	-0.16	-1.27e-04	0.0	-1.21e-06

553	298	-0.05	0.02	-0.15	-1.67e-05	0.0	0.0
553	305	-0.08	0.02	-0.14	-1.68e-05	0.0	0.0
553	307	-0.04	0.06	-0.14	-3.75e-05	0.0	0.0
553	310	-0.04	0.02	-0.14	-1.56e-05	0.0	0.0
554	28	-0.24	0.05	-0.18	-3.52e-05	0.0	0.0
554	44	-0.33	0.05	-0.16	-3.34e-05	0.0	1.06e-06
554	68	-0.06	0.28	-0.16	-1.90e-04	0.0	-1.79e-06
554	123	-2.08	0.72	-0.22	-4.69e-04	0.0	1.15e-05
554	137	0.01	2.42	-0.10	-1.58e-03	0.0	-6.60e-06
554	155	-2.34	0.81	-0.23	-5.29e-04	0.0	1.32e-05
554	169	0.02	2.73	-0.10	-1.79e-03	0.0	-7.41e-06
554	187	-2.31	0.83	-0.23	-5.45e-04	0.0	1.45e-05
554	201	0.02	2.80	-0.11	-1.83e-03	0.0	-7.38e-06
554	219	-2.68	0.99	-0.25	-6.52e-04	0.0	1.79e-05
554	233	0.04	3.32	-0.11	-2.18e-03	0.0	-8.67e-06
554	256	-0.16	0.04	-0.13	-2.41e-05	0.0	0.0
554	264	-0.22	0.03	-0.11	-2.29e-05	0.0	0.0
554	276	-0.04	0.19	-0.11	-1.27e-04	0.0	-1.24e-06
554	298	-0.05	0.03	-0.10	-1.67e-05	0.0	0.0
554	305	-0.08	0.02	-0.10	-1.67e-05	0.0	0.0
554	307	-0.04	0.06	-0.10	-3.76e-05	0.0	0.0
554	310	-0.04	0.02	-0.10	-1.56e-05	0.0	0.0
555	28	-0.09	0.02	-0.03	-3.51e-05	0.0	0.0
555	44	-0.12	0.02	-0.03	-3.29e-05	0.0	0.0
555	68	-0.03	0.10	-0.03	-1.90e-04	0.0	0.0
555	123	-0.68	0.24	-0.03	-4.72e-04	0.0	3.34e-06
555	137	-3.54e-03	0.81	-0.02	-1.61e-03	0.0	-2.12e-06
555	155	-0.77	0.27	-0.03	-5.32e-04	0.0	3.86e-06
555	169	-1.41e-03	0.91	-0.02	-1.82e-03	0.0	-2.37e-06
555	187	-0.76	0.28	-0.03	-5.49e-04	0.0	4.28e-06
555	201	4.65e-04	0.94	-0.02	-1.86e-03	0.0	-2.35e-06
555	219	-0.88	0.33	-0.03	-6.56e-04	0.0	5.34e-06
555	233	4.83e-03	1.11	-0.02	-2.21e-03	0.0	-2.75e-06
555	256	-0.06	0.01	-0.02	-2.40e-05	0.0	0.0
555	264	-0.08	0.01	-0.02	-2.26e-05	0.0	0.0
555	276	-0.02	0.06	-0.02	-1.27e-04	0.0	0.0
555	298	-0.02	8.49e-03	-0.02	-1.70e-05	0.0	0.0
555	305	-0.03	8.43e-03	-0.02	-1.68e-05	0.0	0.0
555	307	-0.02	0.02	-0.02	-3.78e-05	0.0	0.0
555	310	-0.02	7.92e-03	-0.02	-1.58e-05	0.0	0.0
556	1	0.0	0.0	0.0	-1.02e-05	0.0	0.0
556	113	0.0	0.0	0.0	-8.03e-04	0.0	3.24e-06
556	145	0.0	0.0	0.0	-9.05e-04	0.0	3.66e-06
556	177	0.0	0.0	0.0	-9.26e-04	0.0	3.64e-06
556	209	0.0	0.0	0.0	-1.10e-03	0.0	4.29e-06
556	241	0.0	0.0	0.0	-7.41e-06	0.0	0.0
556	297	0.0	0.0	0.0	-8.94e-06	0.0	0.0
556	309	0.0	0.0	0.0	-8.94e-06	0.0	0.0
557	28	-0.17	0.04	-0.06	-3.50e-05	0.0	0.0
557	44	-0.23	0.03	-0.05	-3.29e-05	0.0	0.0
557	68	-0.05	0.19	-0.05	-1.90e-04	0.0	-1.39e-06
557	123	-1.38	0.47	-0.05	-4.68e-04	0.0	7.08e-06
557	137	9.62e-04	1.61	-0.03	-1.60e-03	0.0	-4.36e-06
557	155	-1.55	0.53	-0.06	-5.28e-04	0.0	8.15e-06
557	169	5.38e-03	1.82	-0.03	-1.80e-03	0.0	-4.88e-06
557	187	-1.53	0.55	-0.06	-5.44e-04	0.0	9.01e-06
557	201	9.26e-03	1.87	-0.03	-1.85e-03	0.0	-4.86e-06
557	219	-1.77	0.66	-0.06	-6.51e-04	0.0	1.12e-05
557	233	0.02	2.22	-0.03	-2.19e-03	0.0	-5.68e-06
557	256	-0.11	0.02	-0.04	-2.40e-05	0.0	0.0
557	264	-0.15	0.02	-0.04	-2.26e-05	0.0	0.0
557	276	-0.04	0.13	-0.04	-1.27e-04	0.0	0.0
557	298	-0.04	0.02	-0.03	-1.69e-05	0.0	0.0
557	305	-0.06	0.02	-0.03	-1.68e-05	0.0	0.0
557	307	-0.03	0.04	-0.03	-3.78e-05	0.0	0.0
557	310	-0.03	0.02	-0.03	-1.58e-05	0.0	0.0
558	28	-0.23	0.05	-0.09	-3.49e-05	0.0	0.0
558	44	-0.33	0.05	-0.08	-3.28e-05	0.0	0.0
558	68	-0.06	0.29	-0.07	-1.90e-04	0.0	-1.96e-06
558	123	-2.08	0.71	-0.08	-4.63e-04	0.0	1.10e-05
558	137	0.01	2.41	-0.05	-1.58e-03	0.0	-6.58e-06
558	155	-2.34	0.80	-0.08	-5.22e-04	0.0	1.26e-05
558	169	0.02	2.72	-0.05	-1.78e-03	0.0	-7.37e-06
558	187	-2.30	0.82	-0.08	-5.38e-04	0.0	1.39e-05
558	201	0.03	2.79	-0.05	-1.83e-03	0.0	-7.35e-06

558	219	-2.68	0.98	-0.09	-6.43e-04	0.0	1.72e-05
558	233	0.04	3.31	-0.05	-2.17e-03	0.0	-8.62e-06
558	256	-0.16	0.04	-0.06	-2.39e-05	0.0	0.0
558	264	-0.22	0.03	-0.06	-2.25e-05	0.0	0.0
558	276	-0.04	0.19	-0.05	-1.27e-04	0.0	-1.36e-06
558	298	-0.04	0.03	-0.05	-1.69e-05	0.0	0.0
558	305	-0.08	0.03	-0.05	-1.67e-05	0.0	0.0
558	307	-0.04	0.06	-0.05	-3.77e-05	0.0	0.0
558	310	-0.04	0.02	-0.05	-1.57e-05	0.0	0.0
559	28	-0.09	0.02	-0.02	-3.52e-05	0.0	0.0
559	44	-0.12	0.02	-0.01	-3.27e-05	0.0	0.0
559	68	-0.03	0.10	-0.01	-1.91e-04	0.0	0.0
559	123	-0.68	0.24	-0.01	-4.67e-04	0.0	3.21e-06
559	137	-2.50e-03	0.81	-8.72e-03	-1.60e-03	0.0	-2.10e-06
559	155	-0.76	0.27	-0.01	-5.27e-04	0.0	3.71e-06
559	169	-3.57e-04	0.91	-8.73e-03	-1.81e-03	0.0	-2.35e-06
559	187	-0.75	0.27	-0.01	-5.43e-04	0.0	4.14e-06
559	201	1.53e-03	0.93	-8.72e-03	-1.85e-03	0.0	-2.33e-06
559	219	-0.87	0.33	-0.01	-6.48e-04	0.0	5.18e-06
559	233	5.92e-03	1.11	-8.73e-03	-2.20e-03	0.0	-2.71e-06
559	256	-0.06	0.01	-0.01	-2.41e-05	0.0	0.0
559	264	-0.08	0.01	-9.74e-03	-2.25e-05	0.0	0.0
559	276	-0.02	0.06	-9.40e-03	-1.28e-04	0.0	0.0
559	298	-0.02	8.69e-03	-9.16e-03	-1.73e-05	0.0	0.0
559	305	-0.03	8.56e-03	-8.76e-03	-1.71e-05	0.0	0.0
559	307	-0.02	0.02	-8.69e-03	-3.82e-05	0.0	0.0
559	310	-0.02	8.10e-03	-8.69e-03	-1.62e-05	0.0	0.0
560	1	0.0	0.0	0.0	-1.07e-05	0.0	0.0
560	113	0.0	0.0	0.0	-8.03e-04	0.0	3.22e-06
560	145	0.0	0.0	0.0	-9.06e-04	0.0	3.63e-06
560	177	0.0	0.0	0.0	-9.25e-04	0.0	3.61e-06
560	209	0.0	0.0	0.0	-1.10e-03	0.0	4.26e-06
560	241	0.0	0.0	0.0	-7.83e-06	0.0	0.0
560	297	0.0	0.0	0.0	-9.20e-06	0.0	0.0
560	309	0.0	0.0	0.0	-9.20e-06	0.0	0.0
561	28	-0.16	0.04	-0.03	-3.51e-05	0.0	0.0
561	44	-0.23	0.03	-0.03	-3.26e-05	0.0	0.0
561	68	-0.05	0.19	-0.03	-1.91e-04	0.0	-1.52e-06
561	123	-1.38	0.47	-0.02	-4.63e-04	0.0	6.68e-06
561	137	2.27e-03	1.61	-0.02	-1.59e-03	0.0	-4.34e-06
561	155	-1.54	0.53	-0.02	-5.22e-04	0.0	7.71e-06
561	169	6.70e-03	1.82	-0.02	-1.80e-03	0.0	-4.84e-06
561	187	-1.52	0.54	-0.02	-5.38e-04	0.0	8.58e-06
561	201	0.01	1.86	-0.02	-1.84e-03	0.0	-4.82e-06
561	219	-1.77	0.65	-0.02	-6.43e-04	0.0	1.07e-05
561	233	0.02	2.21	-0.02	-2.19e-03	0.0	-5.63e-06
561	256	-0.11	0.02	-0.02	-2.40e-05	0.0	0.0
561	264	-0.15	0.02	-0.02	-2.24e-05	0.0	0.0
561	276	-0.03	0.13	-0.02	-1.28e-04	0.0	-1.05e-06
561	298	-0.04	0.02	-0.02	-1.72e-05	0.0	0.0
561	305	-0.06	0.02	-0.02	-1.70e-05	0.0	0.0
561	307	-0.03	0.04	-0.02	-3.81e-05	0.0	0.0
561	310	-0.03	0.02	-0.02	-1.61e-05	0.0	0.0
562	28	-0.23	0.05	-0.05	-3.48e-05	0.0	0.0
562	44	-0.33	0.05	-0.04	-3.24e-05	0.0	0.0
562	68	-0.06	0.29	-0.04	-1.91e-04	0.0	-2.26e-06
562	123	-2.08	0.70	-0.03	-4.58e-04	0.0	1.01e-05
562	137	0.02	2.40	-0.02	-1.57e-03	0.0	-6.61e-06
562	155	-2.33	0.79	-0.03	-5.16e-04	0.0	1.17e-05
562	169	0.02	2.71	-0.02	-1.78e-03	0.0	-7.38e-06
562	187	-2.30	0.81	-0.03	-5.32e-04	0.0	1.29e-05
562	201	0.03	2.78	-0.02	-1.82e-03	0.0	-7.37e-06
562	219	-2.67	0.97	-0.03	-6.35e-04	0.0	1.61e-05
562	233	0.04	3.30	-0.02	-2.16e-03	0.0	-8.62e-06
562	256	-0.16	0.04	-0.03	-2.39e-05	0.0	0.0
562	264	-0.22	0.03	-0.03	-2.22e-05	0.0	0.0
562	276	-0.04	0.19	-0.03	-1.28e-04	0.0	-1.57e-06
562	298	-0.04	0.03	-0.03	-1.71e-05	0.0	-1.06e-06
562	305	-0.08	0.03	-0.02	-1.69e-05	0.0	0.0
562	307	-0.04	0.06	-0.02	-3.80e-05	0.0	-1.10e-06
562	310	-0.04	0.02	-0.02	-1.60e-05	0.0	-1.02e-06
563	28	-0.08	0.02	-0.01	-3.55e-05	0.0	0.0
563	44	-0.11	0.02	-9.62e-03	-3.26e-05	0.0	0.0
563	68	-0.03	0.10	-8.77e-03	-1.92e-04	0.0	0.0
563	123	-0.68	0.23	-0.01	-4.63e-04	0.0	3.18e-06

563	137	-1.67e-03	0.80	-5.72e-03	-1.60e-03	0.0	-2.14e-06
563	155	-0.76	0.26	-0.01	-5.21e-04	0.0	3.68e-06
563	169	4.74e-04	0.91	-5.70e-03	-1.81e-03	0.0	-2.38e-06
563	187	-0.75	0.27	-0.01	-5.37e-04	0.0	4.10e-06
563	201	2.36e-03	0.93	-5.68e-03	-1.85e-03	0.0	-2.37e-06
563	219	-0.87	0.32	-0.01	-6.41e-04	0.0	5.14e-06
563	233	6.74e-03	1.10	-5.63e-03	-2.20e-03	0.0	-2.76e-06
563	256	-0.06	0.01	-7.55e-03	-2.44e-05	0.0	0.0
563	264	-0.08	0.01	-6.80e-03	-2.24e-05	0.0	0.0
563	276	-0.02	0.06	-6.23e-03	-1.29e-04	0.0	0.0
563	298	-0.02	8.89e-03	-6.23e-03	-1.77e-05	0.0	0.0
563	305	-0.03	8.71e-03	-6.02e-03	-1.74e-05	0.0	0.0
563	307	-0.02	0.02	-5.90e-03	-3.86e-05	0.0	0.0
563	310	-0.02	8.30e-03	-5.91e-03	-1.66e-05	0.0	0.0
564	1	0.0	0.0	0.0	-1.14e-05	0.0	0.0
564	113	0.0	0.0	0.0	-8.05e-04	0.0	3.25e-06
564	145	0.0	0.0	0.0	-9.08e-04	0.0	3.66e-06
564	177	0.0	0.0	0.0	-9.25e-04	0.0	3.64e-06
564	209	0.0	0.0	0.0	-1.10e-03	0.0	4.30e-06
564	241	0.0	0.0	0.0	-8.27e-06	0.0	0.0
564	297	0.0	0.0	0.0	-9.49e-06	0.0	0.0
564	309	0.0	0.0	0.0	-9.49e-06	0.0	0.0
565	28	-0.16	0.04	-0.02	-3.54e-05	0.0	0.0
565	44	-0.22	0.03	-0.02	-3.25e-05	0.0	0.0
565	68	-0.05	0.19	-0.02	-1.92e-04	0.0	-1.61e-06
565	123	-1.37	0.46	-0.02	-4.59e-04	0.0	6.49e-06
565	137	3.31e-03	1.60	-0.01	-1.59e-03	0.0	-4.43e-06
565	155	-1.54	0.52	-0.02	-5.17e-04	0.0	7.52e-06
565	169	7.74e-03	1.81	-0.01	-1.79e-03	0.0	-4.94e-06
565	187	-1.52	0.54	-0.02	-5.33e-04	0.0	8.38e-06
565	201	0.01	1.86	-0.01	-1.83e-03	0.0	-4.92e-06
565	219	-1.76	0.64	-0.02	-6.36e-04	0.0	1.05e-05
565	233	0.02	2.20	-0.01	-2.18e-03	0.0	-5.74e-06
565	256	-0.11	0.02	-0.01	-2.43e-05	0.0	0.0
565	264	-0.15	0.02	-0.01	-2.24e-05	0.0	0.0
565	276	-0.03	0.13	-0.01	-1.29e-04	0.0	-1.12e-06
565	298	-0.03	0.02	-0.01	-1.77e-05	0.0	0.0
565	305	-0.06	0.02	-0.01	-1.73e-05	0.0	0.0
565	307	-0.03	0.04	-0.01	-3.86e-05	0.0	0.0
565	310	-0.03	0.02	-0.01	-1.65e-05	0.0	0.0
566	28	-0.23	0.05	-0.03	-3.52e-05	0.0	-1.01e-06
566	44	-0.33	0.05	-0.03	-3.23e-05	0.0	0.0
566	68	-0.05	0.29	-0.02	-1.92e-04	0.0	-2.53e-06
566	123	-2.07	0.69	-0.03	-4.53e-04	0.0	9.45e-06
566	137	0.02	2.39	-0.01	-1.57e-03	0.0	-6.77e-06
566	155	-2.33	0.78	-0.03	-5.11e-04	0.0	1.09e-05
566	169	0.02	2.71	-0.01	-1.77e-03	0.0	-7.55e-06
566	187	-2.30	0.80	-0.03	-5.26e-04	0.0	1.22e-05
566	201	0.03	2.77	-0.01	-1.81e-03	0.0	-7.55e-06
566	219	-2.67	0.96	-0.03	-6.28e-04	0.0	1.53e-05
566	233	0.04	3.29	-0.01	-2.15e-03	0.0	-8.81e-06
566	256	-0.15	0.04	-0.02	-2.41e-05	0.0	0.0
566	264	-0.22	0.03	-0.02	-2.22e-05	0.0	0.0
566	276	-0.04	0.19	-0.02	-1.28e-04	0.0	-1.76e-06
566	298	-0.04	0.03	-0.02	-1.76e-05	0.0	-1.25e-06
566	305	-0.07	0.03	-0.02	-1.72e-05	0.0	0.0
566	307	-0.04	0.06	-0.02	-3.85e-05	0.0	-1.28e-06
566	310	-0.04	0.02	-0.02	-1.64e-05	0.0	-1.20e-06
567	43	-0.11	0.02	-0.01	-3.16e-05	0.0	0.0
567	44	-0.11	0.02	-0.01	-3.27e-05	0.0	0.0
567	68	-0.03	0.10	-6.70e-03	-1.93e-04	0.0	0.0
567	123	-0.67	0.23	-0.01	-4.58e-04	0.0	3.23e-06
567	139	-0.21	0.80	-5.02e-03	-1.59e-03	0.0	-1.46e-05
567	155	-0.75	0.26	-0.01	-5.16e-04	0.0	3.74e-06
567	171	-0.24	0.91	-5.07e-03	-1.80e-03	0.0	-1.64e-05
567	187	-0.74	0.27	-0.01	-5.31e-04	0.0	4.16e-06
567	203	-0.23	0.93	-5.11e-03	-1.84e-03	0.0	-1.62e-05
567	219	-0.86	0.32	-0.02	-6.34e-04	0.0	5.21e-06
567	235	-0.26	1.10	-5.19e-03	-2.19e-03	0.0	-1.89e-05
567	263	-0.08	0.01	-7.33e-03	-2.18e-05	0.0	0.0
567	264	-0.08	0.01	-7.25e-03	-2.25e-05	0.0	0.0
567	276	-0.02	0.06	-4.77e-03	-1.29e-04	0.0	0.0
567	305	-0.03	8.86e-03	-5.16e-03	-1.77e-05	0.0	0.0
567	307	-0.02	0.02	-4.66e-03	-3.91e-05	0.0	0.0
567	310	-0.02	8.50e-03	-4.68e-03	-1.70e-05	0.0	0.0

568	1	0.0	0.0	0.0	-1.20e-05	0.0	0.0
568	113	0.0	0.0	0.0	1.23e-05	0.0	3.16e-06
568	145	0.0	0.0	0.0	1.33e-05	0.0	3.56e-06
568	177	0.0	0.0	0.0	-2.87e-06	0.0	3.54e-06
568	209	0.0	0.0	0.0	-1.25e-05	0.0	4.18e-06
568	241	0.0	0.0	0.0	-8.72e-06	0.0	0.0
568	297	0.0	0.0	0.0	-9.80e-06	0.0	0.0
568	309	0.0	0.0	0.0	-9.80e-06	0.0	0.0
569	43	-0.22	0.03	-0.02	-3.17e-05	0.0	0.0
569	44	-0.22	0.03	-0.02	-3.27e-05	0.0	0.0
569	68	-0.05	0.19	-0.01	-1.93e-04	0.0	-1.64e-06
569	123	-1.37	0.46	-0.03	-4.55e-04	0.0	6.54e-06
569	139	-0.43	1.60	-0.02	-1.58e-03	0.0	-3.01e-05
569	155	-1.53	0.52	-0.04	-5.12e-04	0.0	7.56e-06
569	171	-0.48	1.81	-0.02	-1.79e-03	0.0	-3.38e-05
569	187	-1.51	0.53	-0.03	-5.27e-04	0.0	8.43e-06
569	203	-0.46	1.85	-0.02	-1.83e-03	0.0	-3.33e-05
569	219	-1.76	0.64	-0.04	-6.29e-04	0.0	1.06e-05
569	235	-0.53	2.20	-0.02	-2.17e-03	0.0	-3.89e-05
569	263	-0.15	0.02	-0.01	-2.18e-05	0.0	0.0
569	264	-0.15	0.02	-0.01	-2.25e-05	0.0	0.0
569	276	-0.03	0.13	-8.94e-03	-1.29e-04	0.0	-1.14e-06
569	305	-0.05	0.02	-9.61e-03	-1.77e-05	0.0	0.0
569	307	-0.03	0.04	-8.72e-03	-3.91e-05	0.0	0.0
569	310	-0.03	0.02	-8.75e-03	-1.70e-05	0.0	0.0
570	43	-0.32	0.05	-0.03	-3.17e-05	0.0	0.0
570	44	-0.32	0.05	-0.03	-3.27e-05	0.0	0.0
570	68	-0.05	0.29	-0.02	-1.93e-04	0.0	-2.63e-06
570	123	-2.07	0.69	-0.05	-4.49e-04	0.0	9.35e-06
570	139	-0.64	2.39	-0.02	-1.56e-03	0.0	-4.51e-05
570	155	-2.32	0.77	-0.06	-5.06e-04	0.0	1.08e-05
570	171	-0.71	2.70	-0.03	-1.77e-03	0.0	-5.06e-05
570	187	-2.29	0.80	-0.06	-5.21e-04	0.0	1.21e-05
570	203	-0.69	2.76	-0.03	-1.81e-03	0.0	-5.00e-05
570	219	-2.66	0.95	-0.07	-6.22e-04	0.0	1.52e-05
570	235	-0.79	3.28	-0.03	-2.15e-03	0.0	-5.84e-05
570	263	-0.22	0.03	-0.02	-2.18e-05	0.0	0.0
570	264	-0.22	0.03	-0.02	-2.25e-05	0.0	0.0
570	276	-0.04	0.19	-0.01	-1.29e-04	0.0	-1.83e-06
570	305	-0.07	0.03	-0.01	-1.78e-05	0.0	-1.01e-06
570	307	-0.04	0.06	-0.01	-3.91e-05	0.0	-1.34e-06
570	310	-0.04	0.03	-0.01	-1.70e-05	0.0	-1.27e-06
571	43	-0.11	0.02	-0.03	-3.16e-05	0.0	0.0
571	44	-0.11	0.02	-0.03	-3.27e-05	0.0	0.0
571	68	-0.03	0.10	-6.27e-03	-1.94e-04	0.0	0.0
571	123	-0.67	0.23	-0.14	-4.55e-04	0.0	3.26e-06
571	139	-0.21	0.80	-0.05	-1.59e-03	0.0	-1.47e-05
571	155	-0.75	0.26	-0.16	-5.12e-04	0.0	3.77e-06
571	171	-0.24	0.90	-0.05	-1.80e-03	0.0	-1.65e-05
571	187	-0.74	0.26	-0.16	-5.27e-04	0.0	4.20e-06
571	203	-0.23	0.93	-0.05	-1.84e-03	0.0	-1.63e-05
571	219	-0.86	0.32	-0.18	-6.28e-04	0.0	5.26e-06
571	235	-0.26	1.10	-0.06	-2.18e-03	0.0	-1.90e-05
571	263	-0.07	0.01	-0.02	-2.18e-05	0.0	0.0
571	264	-0.08	0.01	-0.02	-2.26e-05	0.0	0.0
571	276	-0.02	0.06	-4.50e-03	-1.30e-04	0.0	0.0
571	305	-0.03	9.01e-03	-7.87e-03	-1.80e-05	0.0	0.0
571	307	-0.02	0.02	-4.73e-03	-3.95e-05	0.0	0.0
571	310	-0.02	8.70e-03	-4.82e-03	-1.74e-05	0.0	0.0
572	1	0.0	0.0	0.0	-1.26e-05	0.0	0.0
572	113	0.0	0.0	0.0	2.68e-05	0.0	3.05e-06
572	145	0.0	0.0	0.0	2.94e-05	0.0	3.44e-06
572	177	0.0	0.0	0.0	1.24e-05	0.0	3.42e-06
572	209	0.0	0.0	0.0	4.95e-06	0.0	4.04e-06
572	241	0.0	0.0	0.0	-9.12e-06	0.0	0.0
572	297	0.0	0.0	0.0	-1.01e-05	0.0	0.0
572	309	0.0	0.0	0.0	-1.01e-05	0.0	0.0
573	43	-0.22	0.03	-0.05	-3.18e-05	0.0	0.0
573	44	-0.22	0.03	-0.05	-3.30e-05	0.0	0.0
573	68	-0.05	0.19	-8.98e-03	-1.94e-04	0.0	-1.64e-06
573	123	-1.37	0.46	-0.25	-4.52e-04	0.0	6.58e-06
573	139	-0.43	1.60	-0.08	-1.58e-03	0.0	-3.01e-05
573	155	-1.53	0.51	-0.28	-5.09e-04	0.0	7.61e-06
573	171	-0.48	1.80	-0.09	-1.78e-03	0.0	-3.38e-05
573	187	-1.51	0.53	-0.27	-5.23e-04	0.0	8.48e-06

573	203	-0.46	1.85	-0.08	-1.83e-03	0.0	-3.33e-05
573	219	-1.75	0.63	-0.32	-6.24e-04	0.0	1.06e-05
573	235	-0.53	2.19	-0.10	-2.17e-03	0.0	-3.90e-05
573	263	-0.15	0.02	-0.03	-2.20e-05	0.0	0.0
573	264	-0.15	0.02	-0.03	-2.27e-05	0.0	0.0
573	276	-0.03	0.13	-6.43e-03	-1.30e-04	0.0	-1.14e-06
573	305	-0.05	0.02	-0.01	-1.82e-05	0.0	0.0
573	307	-0.03	0.04	-7.01e-03	-3.96e-05	0.0	0.0
573	310	-0.03	0.02	-7.17e-03	-1.75e-05	0.0	0.0
574	43	-0.32	0.05	-0.06	-3.23e-05	0.0	0.0
574	44	-0.32	0.05	-0.06	-3.34e-05	0.0	0.0
574	68	-0.05	0.29	-9.62e-03	-1.94e-04	0.0	-2.65e-06
574	123	-2.07	0.68	-0.32	-4.47e-04	0.0	9.42e-06
574	139	-0.64	2.38	-0.10	-1.56e-03	0.0	-4.52e-05
574	155	-2.32	0.77	-0.36	-5.04e-04	0.0	1.09e-05
574	171	-0.71	2.69	-0.11	-1.76e-03	0.0	-5.07e-05
574	187	-2.29	0.79	-0.36	-5.18e-04	0.0	1.22e-05
574	203	-0.69	2.76	-0.11	-1.80e-03	0.0	-5.01e-05
574	219	-2.66	0.94	-0.41	-6.18e-04	0.0	1.53e-05
574	235	-0.79	3.27	-0.12	-2.14e-03	0.0	-5.85e-05
574	263	-0.22	0.03	-0.04	-2.23e-05	0.0	0.0
574	264	-0.22	0.03	-0.04	-2.30e-05	0.0	0.0
574	276	-0.04	0.19	-6.88e-03	-1.30e-04	0.0	-1.84e-06
574	305	-0.07	0.03	-0.01	-1.84e-05	0.0	-1.02e-06
574	307	-0.04	0.06	-7.88e-03	-3.98e-05	0.0	-1.35e-06
574	310	-0.04	0.03	-8.08e-03	-1.77e-05	0.0	-1.27e-06
575	4	0.03	0.05	-0.37	-2.77e-05	0.0	-2.18e-06
575	44	-0.43	0.07	-0.29	-3.47e-05	0.0	1.91e-06
575	68	-0.06	0.38	-0.32	-1.90e-04	0.0	-2.02e-06
575	123	-2.79	0.96	-0.16	-4.68e-04	0.0	1.62e-05
575	125	2.32	0.81	-0.25	-3.94e-04	0.0	-1.91e-06
575	137	0.03	3.21	-0.23	-1.57e-03	0.0	-8.59e-06
575	155	-3.13	1.08	-0.15	-5.28e-04	0.0	1.85e-05
575	157	2.62	0.91	-0.26	-4.45e-04	0.0	-2.16e-06
575	169	0.04	3.63	-0.24	-1.77e-03	0.0	-9.67e-06
575	187	-3.09	1.12	-0.15	-5.45e-04	0.0	2.01e-05
575	189	2.58	0.94	-0.26	-4.58e-04	0.0	-2.93e-06
575	201	0.05	3.72	-0.24	-1.82e-03	0.0	-9.63e-06
575	219	-3.59	1.34	-0.15	-6.52e-04	0.0	2.48e-05
575	221	3.01	1.11	-0.27	-5.43e-04	0.0	-3.56e-06
575	233	0.07	4.42	-0.25	-2.16e-03	0.0	-1.14e-05
575	244	0.01	0.04	-0.26	-1.91e-05	0.0	-1.50e-06
575	264	-0.29	0.05	-0.21	-2.37e-05	0.0	1.23e-06
575	276	-0.04	0.25	-0.23	-1.27e-04	0.0	-1.40e-06
575	298	-0.05	0.03	-0.21	-1.69e-05	0.0	0.0
575	305	-0.09	0.03	-0.20	-1.70e-05	0.0	0.0
575	307	-0.04	0.07	-0.20	-3.77e-05	0.0	0.0
575	310	-0.04	0.03	-0.20	-1.58e-05	0.0	0.0
576	28	-0.29	0.07	-0.25	-3.53e-05	0.0	0.0
576	44	-0.42	0.07	-0.23	-3.36e-05	0.0	1.82e-06
576	68	-0.06	0.38	-0.22	-1.90e-04	0.0	-2.09e-06
576	123	-2.79	0.95	-0.29	-4.63e-04	0.0	1.60e-05
576	137	0.03	3.20	-0.14	-1.56e-03	0.0	-8.67e-06
576	155	-3.13	1.07	-0.31	-5.22e-04	0.0	1.84e-05
576	169	0.04	3.62	-0.15	-1.76e-03	0.0	-9.76e-06
576	187	-3.08	1.10	-0.31	-5.38e-04	0.0	2.00e-05
576	201	0.05	3.71	-0.15	-1.81e-03	0.0	-9.72e-06
576	219	-3.59	1.32	-0.33	-6.43e-04	0.0	2.46e-05
576	233	0.07	4.41	-0.15	-2.15e-03	0.0	-1.15e-05
576	256	-0.20	0.05	-0.18	-2.42e-05	0.0	0.0
576	264	-0.29	0.05	-0.16	-2.30e-05	0.0	1.16e-06
576	276	-0.04	0.25	-0.15	-1.27e-04	0.0	-1.44e-06
576	298	-0.05	0.03	-0.14	-1.68e-05	0.0	0.0
576	305	-0.09	0.03	-0.14	-1.68e-05	0.0	0.0
576	307	-0.04	0.08	-0.14	-3.76e-05	0.0	0.0
576	310	-0.04	0.03	-0.14	-1.57e-05	0.0	0.0
577	4	0.07	0.07	-0.51	-2.82e-05	0.0	-2.11e-06
577	44	-0.51	0.09	-0.43	-3.52e-05	0.0	3.09e-06
577	68	-0.04	0.47	-0.45	-1.90e-04	0.0	-2.01e-06
577	123	-3.48	1.19	-0.26	-4.63e-04	0.0	2.10e-05
577	133	-0.20	3.39	-0.33	-1.31e-03	0.0	1.07e-04
577	137	0.06	3.99	-0.32	-1.55e-03	0.0	6.96e-05
577	155	-3.91	1.35	-0.26	-5.22e-04	0.0	2.40e-05
577	165	-0.23	3.84	-0.33	-1.48e-03	0.0	1.21e-04
577	169	0.07	4.51	-0.33	-1.75e-03	0.0	7.84e-05

577	187	-3.85	1.39	-0.27	-5.39e-04	0.0	2.59e-05
577	197	-0.25	3.98	-0.33	-1.54e-03	0.0	1.23e-04
577	201	0.08	4.62	-0.33	-1.79e-03	0.0	7.73e-05
577	219	-4.48	1.66	-0.27	-6.44e-04	0.0	3.18e-05
577	229	-0.31	4.79	-0.34	-1.85e-03	0.0	1.48e-04
577	233	0.11	5.49	-0.34	-2.13e-03	0.0	9.08e-05
577	244	0.04	0.05	-0.36	-1.95e-05	0.0	-1.45e-06
577	264	-0.34	0.06	-0.30	-2.41e-05	0.0	2.02e-06
577	276	-0.03	0.32	-0.31	-1.27e-04	0.0	-1.38e-06
577	298	-0.04	0.04	-0.29	-1.72e-05	0.0	0.0
577	305	-0.10	0.04	-0.28	-1.73e-05	0.0	0.0
577	307	-0.04	0.09	-0.28	-3.80e-05	0.0	0.0
577	310	-0.04	0.04	-0.28	-1.61e-05	0.0	0.0
578	28	-0.33	0.09	-0.35	-3.54e-05	0.0	1.28e-06
578	44	-0.50	0.08	-0.31	-3.36e-05	0.0	2.91e-06
578	68	-0.04	0.47	-0.30	-1.90e-04	0.0	-2.15e-06
578	123	-3.48	1.18	-0.37	-4.57e-04	0.0	2.08e-05
578	137	0.06	3.98	-0.20	-1.54e-03	0.0	6.98e-05
578	155	-3.90	1.33	-0.40	-5.15e-04	0.0	2.38e-05
578	169	0.08	4.49	-0.20	-1.74e-03	0.0	7.86e-05
578	187	-3.85	1.37	-0.39	-5.32e-04	0.0	2.57e-05
578	201	0.09	4.61	-0.20	-1.78e-03	0.0	7.75e-05
578	219	-4.48	1.64	-0.43	-6.35e-04	0.0	3.16e-05
578	233	0.11	5.47	-0.20	-2.12e-03	0.0	9.10e-05
578	256	-0.22	0.06	-0.24	-2.42e-05	0.0	0.0
578	264	-0.34	0.06	-0.22	-2.31e-05	0.0	1.90e-06
578	276	-0.03	0.32	-0.21	-1.27e-04	0.0	-1.48e-06
578	298	-0.04	0.04	-0.20	-1.68e-05	0.0	0.0
578	305	-0.09	0.04	-0.19	-1.68e-05	0.0	0.0
578	307	-0.03	0.09	-0.19	-3.76e-05	0.0	0.0
578	310	-0.03	0.04	-0.19	-1.57e-05	0.0	0.0
579	28	-0.29	0.07	-0.12	-3.48e-05	0.0	0.0
579	44	-0.42	0.07	-0.10	-3.27e-05	0.0	1.40e-06
579	68	-0.05	0.38	-0.10	-1.90e-04	0.0	-2.40e-06
579	123	-2.78	0.94	-0.11	-4.57e-04	0.0	1.54e-05
579	137	0.03	3.19	-0.07	-1.56e-03	0.0	-8.89e-06
579	155	-3.12	1.06	-0.11	-5.15e-04	0.0	1.76e-05
579	169	0.04	3.61	-0.07	-1.76e-03	0.0	-9.98e-06
579	187	-3.08	1.09	-0.11	-5.31e-04	0.0	1.92e-05
579	201	0.05	3.70	-0.07	-1.80e-03	0.0	-9.97e-06
579	219	-3.58	1.30	-0.12	-6.35e-04	0.0	2.38e-05
579	233	0.07	4.39	-0.07	-2.14e-03	0.0	-1.17e-05
579	256	-0.19	0.05	-0.08	-2.38e-05	0.0	0.0
579	264	-0.28	0.05	-0.07	-2.24e-05	0.0	0.0
579	276	-0.04	0.25	-0.07	-1.27e-04	0.0	-1.66e-06
579	298	-0.04	0.03	-0.07	-1.68e-05	0.0	0.0
579	305	-0.09	0.03	-0.06	-1.67e-05	0.0	0.0
579	307	-0.04	0.08	-0.06	-3.76e-05	0.0	-1.07e-06
579	310	-0.04	0.03	-0.06	-1.57e-05	0.0	0.0
580	28	-0.32	0.09	-0.15	-3.46e-05	0.0	0.0
580	44	-0.50	0.08	-0.14	-3.26e-05	0.0	2.19e-06
580	68	-0.03	0.48	-0.13	-1.90e-04	0.0	-2.68e-06
580	123	-3.47	1.16	-0.13	-4.51e-04	0.0	2.01e-05
580	137	0.07	3.96	-0.08	-1.53e-03	0.0	7.01e-05
580	155	-3.90	1.31	-0.14	-5.08e-04	0.0	2.30e-05
580	169	0.08	4.48	-0.08	-1.73e-03	0.0	7.90e-05
580	187	-3.84	1.35	-0.14	-5.24e-04	0.0	2.50e-05
580	201	0.09	4.59	-0.08	-1.78e-03	0.0	7.80e-05
580	219	-4.47	1.62	-0.15	-6.27e-04	0.0	3.08e-05
580	233	0.11	5.45	-0.09	-2.11e-03	0.0	9.17e-05
580	256	-0.22	0.06	-0.11	-2.37e-05	0.0	0.0
580	264	-0.33	0.06	-0.10	-2.23e-05	0.0	1.39e-06
580	276	-0.02	0.32	-0.09	-1.27e-04	0.0	-1.85e-06
580	298	-0.03	0.04	-0.09	-1.67e-05	0.0	-1.03e-06
580	305	-0.09	0.04	-0.08	-1.66e-05	0.0	0.0
580	307	-0.03	0.09	-0.08	-3.76e-05	0.0	-1.13e-06
580	310	-0.03	0.04	-0.08	-1.56e-05	0.0	0.0
581	28	-0.28	0.07	-0.06	-3.46e-05	0.0	0.0
581	44	-0.42	0.07	-0.05	-3.21e-05	0.0	0.0
581	68	-0.05	0.38	-0.05	-1.91e-04	0.0	-2.96e-06
581	123	-2.78	0.93	-0.04	-4.51e-04	0.0	1.38e-05
581	137	0.04	3.18	-0.03	-1.55e-03	0.0	5.65e-05
581	155	-3.12	1.04	-0.04	-5.08e-04	0.0	1.59e-05
581	169	0.05	3.59	-0.03	-1.75e-03	0.0	6.38e-05
581	187	-3.08	1.08	-0.04	-5.24e-04	0.0	1.76e-05

581	201	0.05	3.68	-0.03	-1.79e-03	0.0	6.30e-05
581	219	-3.58	1.29	-0.04	-6.26e-04	0.0	2.19e-05
581	233	0.07	4.37	-0.03	-2.13e-03	0.0	7.41e-05
581	256	-0.19	0.05	-0.04	-2.37e-05	0.0	0.0
581	264	-0.28	0.04	-0.04	-2.20e-05	0.0	0.0
581	276	-0.04	0.26	-0.04	-1.28e-04	0.0	-2.06e-06
581	298	-0.04	0.03	-0.03	-1.70e-05	0.0	-1.39e-06
581	305	-0.09	0.03	-0.03	-1.67e-05	0.0	0.0
581	307	-0.04	0.08	-0.03	-3.79e-05	0.0	-1.44e-06
581	310	-0.04	0.03	-0.03	-1.59e-05	0.0	-1.33e-06
582	28	-0.32	0.09	-0.08	-3.43e-05	0.0	0.0
582	44	-0.49	0.08	-0.07	-3.19e-05	0.0	0.0
582	68	-0.03	0.48	-0.07	-1.90e-04	0.0	-3.58e-06
582	123	-3.46	1.15	-0.05	-4.45e-04	0.0	1.81e-05
582	137	0.07	3.95	-0.04	-1.53e-03	0.0	7.05e-05
582	155	-3.89	1.30	-0.05	-5.02e-04	0.0	2.08e-05
582	169	0.08	4.46	-0.04	-1.73e-03	0.0	7.96e-05
582	187	-3.84	1.34	-0.05	-5.18e-04	0.0	2.28e-05
582	201	0.09	4.57	-0.04	-1.77e-03	0.0	7.87e-05
582	219	-4.46	1.60	-0.05	-6.18e-04	0.0	2.83e-05
582	233	0.12	5.43	-0.04	-2.10e-03	0.0	9.26e-05
582	256	-0.21	0.06	-0.05	-2.35e-05	0.0	0.0
582	264	-0.33	0.06	-0.05	-2.19e-05	0.0	0.0
582	276	-0.02	0.32	-0.05	-1.28e-04	0.0	-2.48e-06
582	298	-0.03	0.04	-0.04	-1.69e-05	0.0	-1.66e-06
582	305	-0.09	0.04	-0.04	-1.66e-05	0.0	-1.12e-06
582	307	-0.03	0.10	-0.04	-3.78e-05	0.0	-1.72e-06
582	310	-0.03	0.04	-0.04	-1.57e-05	0.0	-1.59e-06
583	28	-0.28	0.07	-0.04	-3.49e-05	0.0	-1.64e-06
583	44	-0.41	0.07	-0.04	-3.20e-05	0.0	0.0
583	68	-0.05	0.38	-0.03	-1.91e-04	0.0	-3.58e-06
583	123	-2.77	0.92	-0.04	-4.46e-04	0.0	1.21e-05
583	137	0.04	3.17	-0.02	-1.54e-03	0.0	5.66e-05
583	155	-3.11	1.03	-0.04	-5.03e-04	0.0	1.41e-05
583	169	0.05	3.58	-0.02	-1.75e-03	0.0	6.39e-05
583	187	-3.07	1.07	-0.04	-5.18e-04	0.0	1.57e-05
583	201	0.06	3.67	-0.02	-1.79e-03	0.0	6.31e-05
583	219	-3.57	1.27	-0.04	-6.19e-04	0.0	1.98e-05
583	233	0.08	4.36	-0.02	-2.12e-03	0.0	7.44e-05
583	256	-0.19	0.05	-0.03	-2.39e-05	0.0	-1.20e-06
583	264	-0.28	0.04	-0.03	-2.20e-05	0.0	0.0
583	276	-0.03	0.26	-0.02	-1.28e-04	0.0	-2.49e-06
583	298	-0.04	0.04	-0.02	-1.74e-05	0.0	-1.81e-06
583	305	-0.08	0.03	-0.02	-1.71e-05	0.0	-1.39e-06
583	307	-0.04	0.08	-0.02	-3.83e-05	0.0	-1.83e-06
583	310	-0.04	0.03	-0.02	-1.63e-05	0.0	-1.73e-06
584	28	-0.31	0.09	-0.05	-3.46e-05	0.0	-2.42e-06
584	44	-0.49	0.08	-0.05	-3.17e-05	0.0	0.0
584	68	-0.02	0.48	-0.04	-1.91e-04	0.0	-4.73e-06
584	123	-3.46	1.14	-0.05	-4.40e-04	0.0	1.46e-05
584	137	0.07	3.94	-0.02	-1.52e-03	0.0	7.06e-05
584	155	-3.89	1.28	-0.05	-4.95e-04	0.0	1.69e-05
584	169	0.08	4.45	-0.02	-1.72e-03	0.0	7.97e-05
584	187	-3.83	1.32	-0.05	-5.11e-04	0.0	1.89e-05
584	201	0.09	4.56	-0.02	-1.76e-03	0.0	7.88e-05
584	219	-4.46	1.58	-0.05	-6.10e-04	0.0	2.39e-05
584	233	0.12	5.41	-0.02	-2.09e-03	0.0	9.30e-05
584	256	-0.21	0.06	-0.04	-2.37e-05	0.0	-1.75e-06
584	264	-0.33	0.06	-0.03	-2.18e-05	0.0	0.0
584	276	-0.02	0.32	-0.03	-1.28e-04	0.0	-3.29e-06
584	298	-0.03	0.04	-0.03	-1.73e-05	0.0	-2.44e-06
584	305	-0.08	0.04	-0.03	-1.69e-05	0.0	-1.92e-06
584	307	-0.02	0.10	-0.03	-3.82e-05	0.0	-2.46e-06
584	310	-0.02	0.04	-0.03	-1.61e-05	0.0	-2.33e-06
585	27	-0.28	0.07	-0.04	-3.49e-05	0.0	-1.85e-06
585	44	-0.41	0.07	-0.04	-3.26e-05	0.0	0.0
585	68	-0.05	0.39	-0.02	-1.93e-04	0.0	-3.91e-06
585	123	-2.77	0.91	-0.08	-4.43e-04	0.0	1.14e-05
585	139	-0.85	3.17	-0.03	-1.54e-03	0.0	5.73e-06
585	155	-3.11	1.03	-0.08	-4.99e-04	0.0	1.33e-05
585	171	-0.95	3.58	-0.04	-1.74e-03	0.0	6.80e-06
585	187	-3.07	1.06	-0.08	-5.14e-04	0.0	1.49e-05
585	203	-0.91	3.66	-0.04	-1.78e-03	0.0	6.89e-06
585	219	-3.57	1.26	-0.09	-6.14e-04	0.0	1.89e-05
585	235	-1.05	4.35	-0.04	-2.11e-03	0.0	8.66e-06

585	255	-0.19	0.05	-0.03	-2.40e-05	0.0	-1.35e-06
585	264	-0.28	0.05	-0.03	-2.25e-05	0.0	0.0
585	276	-0.03	0.26	-0.02	-1.29e-04	0.0	-2.72e-06
585	305	-0.08	0.04	-0.02	-1.77e-05	0.0	-1.62e-06
585	307	-0.04	0.08	-0.02	-3.91e-05	0.0	-2.04e-06
585	310	-0.04	0.03	-0.02	-1.70e-05	0.0	-1.94e-06
586	27	-0.31	0.09	-0.05	-3.45e-05	0.0	-3.39e-06
586	44	-0.48	0.08	-0.05	-3.22e-05	0.0	-2.02e-06
586	68	-0.02	0.48	-0.03	-1.93e-04	0.0	-5.67e-06
586	123	-3.46	1.13	-0.10	-4.36e-04	0.0	1.18e-05
586	139	-1.04	3.93	-0.04	-1.52e-03	0.0	6.41e-06
586	155	-3.88	1.27	-0.11	-4.91e-04	0.0	1.39e-05
586	171	-1.16	4.44	-0.05	-1.71e-03	0.0	7.73e-06
586	187	-3.83	1.31	-0.11	-5.06e-04	0.0	1.59e-05
586	203	-1.12	4.54	-0.05	-1.76e-03	0.0	7.91e-06
586	219	-4.45	1.56	-0.12	-6.04e-04	0.0	2.05e-05
586	235	-1.29	5.39	-0.05	-2.08e-03	0.0	1.01e-05
586	255	-0.21	0.06	-0.03	-2.37e-05	0.0	-2.43e-06
586	264	-0.32	0.06	-0.03	-2.22e-05	0.0	-1.52e-06
586	276	-0.02	0.32	-0.02	-1.29e-04	0.0	-3.95e-06
586	305	-0.08	0.04	-0.02	-1.75e-05	0.0	-2.57e-06
586	307	-0.02	0.10	-0.02	-3.89e-05	0.0	-3.06e-06
586	310	-0.02	0.04	-0.02	-1.69e-05	0.0	-2.93e-06
587	43	-0.41	0.06	-0.07	-3.30e-05	0.0	0.0
587	44	-0.41	0.07	-0.06	-3.42e-05	0.0	0.0
587	68	-0.05	0.39	-9.39e-03	-1.95e-04	0.0	-3.96e-06
587	123	-2.77	0.90	-0.37	-4.43e-04	0.0	1.14e-05
587	139	-0.85	3.16	-0.11	-1.54e-03	0.0	5.79e-06
587	155	-3.11	1.02	-0.42	-4.99e-04	0.0	1.33e-05
587	171	-0.94	3.57	-0.13	-1.74e-03	0.0	6.87e-06
587	187	-3.07	1.05	-0.41	-5.13e-04	0.0	1.49e-05
587	203	-0.91	3.65	-0.12	-1.78e-03	0.0	6.97e-06
587	219	-3.57	1.25	-0.48	-6.12e-04	0.0	1.89e-05
587	235	-1.05	4.33	-0.14	-2.11e-03	0.0	8.77e-06
587	263	-0.27	0.04	-0.04	-2.28e-05	0.0	0.0
587	264	-0.28	0.05	-0.04	-2.36e-05	0.0	0.0
587	276	-0.03	0.26	-6.67e-03	-1.31e-04	0.0	-2.76e-06
587	305	-0.08	0.04	-0.02	-1.88e-05	0.0	-1.66e-06
587	307	-0.03	0.08	-8.11e-03	-4.02e-05	0.0	-2.08e-06
587	310	-0.04	0.04	-8.34e-03	-1.81e-05	0.0	-1.98e-06
588	43	-0.48	0.08	-0.07	-3.43e-05	0.0	-1.97e-06
588	44	-0.48	0.08	-0.07	-3.56e-05	0.0	-2.37e-06
588	68	-0.02	0.49	-9.98e-03	-1.96e-04	0.0	-5.91e-06
588	123	-3.46	1.12	-0.39	-4.41e-04	0.0	1.12e-05
588	139	-1.04	3.92	-0.12	-1.52e-03	0.0	6.19e-06
588	155	-3.88	1.26	-0.44	-4.97e-04	0.0	1.33e-05
588	171	-1.16	4.43	-0.14	-1.72e-03	0.0	7.50e-06
588	187	-3.83	1.30	-0.44	-5.11e-04	0.0	1.53e-05
588	203	-1.12	4.53	-0.13	-1.76e-03	0.0	7.70e-06
588	219	-4.45	1.55	-0.51	-6.09e-04	0.0	1.98e-05
588	235	-1.29	5.38	-0.15	-2.08e-03	0.0	9.90e-06
588	263	-0.32	0.06	-0.05	-2.37e-05	0.0	-1.49e-06
588	264	-0.32	0.06	-0.05	-2.45e-05	0.0	-1.76e-06
588	276	-0.02	0.33	-7.01e-03	-1.31e-04	0.0	-4.12e-06
588	305	-0.08	0.05	-0.02	-1.94e-05	0.0	-2.74e-06
588	307	-0.02	0.10	-8.81e-03	-4.08e-05	0.0	-3.21e-06
588	310	-0.02	0.04	-9.06e-03	-1.87e-05	0.0	-3.09e-06
589	28	-0.35	0.11	-0.70	-3.74e-05	0.0	2.81e-06
589	43	-0.56	0.10	-0.58	-3.50e-05	0.0	4.74e-06
589	68	-0.01	0.56	-0.62	-1.91e-04	0.0	-1.62e-06
589	123	-4.08	1.40	-0.50	-4.60e-04	0.0	2.60e-05
589	137	0.10	4.68	-0.42	-1.53e-03	0.0	8.15e-05
589	155	-4.59	1.58	-0.51	-5.18e-04	0.0	2.95e-05
589	169	0.11	5.29	-0.42	-1.73e-03	0.0	9.17e-05
589	187	-4.52	1.63	-0.51	-5.35e-04	0.0	3.18e-05
589	201	0.12	5.42	-0.43	-1.77e-03	0.0	9.03e-05
589	219	-5.27	1.95	-0.53	-6.39e-04	0.0	3.88e-05
589	233	0.15	6.44	-0.43	-2.11e-03	0.0	1.06e-04
589	256	-0.24	0.07	-0.49	-2.56e-05	0.0	1.85e-06
589	263	-0.38	0.07	-0.41	-2.40e-05	0.0	3.14e-06
589	276	-9.81e-03	0.37	-0.43	-1.28e-04	0.0	-1.10e-06
589	298	-0.02	0.05	-0.40	-1.76e-05	0.0	0.0
589	305	-0.09	0.05	-0.38	-1.77e-05	0.0	0.0
589	307	-0.02	0.11	-0.38	-3.83e-05	0.0	0.0
589	310	-0.02	0.05	-0.38	-1.64e-05	0.0	0.0

590	28	-0.34	0.10	-0.48	-3.53e-05	0.0	2.34e-06
590	43	-0.55	0.10	-0.40	-3.27e-05	0.0	4.32e-06
590	68	-4.40e-03	0.56	-0.41	-1.90e-04	0.0	-1.94e-06
590	123	-4.08	1.38	-0.47	-4.53e-04	0.0	2.56e-05
590	137	0.10	4.66	-0.27	-1.53e-03	0.0	8.19e-05
590	155	-4.58	1.56	-0.50	-5.11e-04	0.0	2.91e-05
590	169	0.12	5.27	-0.27	-1.72e-03	0.0	9.22e-05
590	187	-4.52	1.61	-0.50	-5.27e-04	0.0	3.13e-05
590	201	0.13	5.40	-0.27	-1.77e-03	0.0	9.09e-05
590	219	-5.26	1.92	-0.54	-6.30e-04	0.0	3.83e-05
590	233	0.16	6.42	-0.27	-2.10e-03	0.0	1.07e-04
590	256	-0.23	0.07	-0.33	-2.42e-05	0.0	1.53e-06
590	263	-0.37	0.07	-0.28	-2.25e-05	0.0	2.85e-06
590	276	-3.77e-03	0.37	-0.29	-1.27e-04	0.0	-1.33e-06
590	298	-0.01	0.05	-0.27	-1.68e-05	0.0	0.0
590	305	-0.08	0.05	-0.26	-1.68e-05	0.0	0.0
590	307	-0.01	0.11	-0.25	-3.76e-05	0.0	0.0
590	310	-0.01	0.05	-0.25	-1.57e-05	0.0	0.0
591	28	-0.31	0.12	-1.05	-2.23e-04	2.48e-04	6.35e-06
591	45	-0.59	0.06	-0.40	-8.17e-05	9.81e-05	6.85e-06
591	68	0.07	0.64	-0.90	-3.21e-04	2.20e-04	0.0
591	122	4.70	-1.50	-0.34	2.81e-04	9.13e-05	-2.95e-05
591	123	-4.64	1.60	-0.78	-5.06e-04	1.83e-04	3.21e-05
591	137	0.17	5.36	-0.60	-1.84e-03	1.69e-04	-9.56e-06
591	154	5.28	-1.70	-0.32	3.34e-04	8.54e-05	-3.36e-05
591	155	-5.22	1.81	-0.81	-5.59e-04	1.89e-04	3.62e-05
591	169	0.19	6.06	-0.60	-2.06e-03	1.73e-04	-1.10e-05
591	186	5.21	-1.76	-0.32	3.53e-04	8.56e-05	-3.61e-05
591	187	-5.14	1.87	-0.81	-5.78e-04	1.89e-04	3.87e-05
591	201	0.20	6.21	-0.61	-2.11e-03	1.75e-04	-1.07e-05
591	218	6.06	-2.13	-0.28	4.50e-04	7.65e-05	-4.42e-05
591	219	-6.00	2.23	-0.85	-6.75e-04	1.98e-04	4.68e-05
591	233	0.24	7.38	-0.62	-2.49e-03	1.82e-04	-1.29e-05
591	256	-0.20	0.08	-0.73	-1.54e-04	1.75e-04	4.28e-06
591	261	-0.38	0.05	-0.42	-8.21e-05	1.03e-04	4.82e-06
591	276	0.05	0.43	-0.63	-2.20e-04	1.56e-04	0.0
591	298	0.03	0.06	-0.59	-1.20e-04	1.44e-04	1.41e-06
591	303	0.07	0.05	-0.56	-1.12e-04	1.37e-04	0.0
591	307	0.04	0.13	-0.56	-1.31e-04	1.38e-04	1.05e-06
591	310	0.03	0.05	-0.56	-1.13e-04	1.37e-04	1.30e-06
592	28	-0.31	0.12	-0.71	-2.18e-04	4.17e-04	4.17e-06
592	45	-0.59	0.06	-0.28	-7.49e-05	1.64e-04	5.79e-06
592	68	0.07	0.64	-0.60	-3.18e-04	3.61e-04	-1.22e-06
592	122	4.70	-1.48	-0.13	2.81e-04	1.50e-04	-2.99e-05
592	123	-4.63	1.58	-0.62	-5.05e-04	3.00e-04	3.05e-05
592	137	0.17	5.34	-0.39	-1.83e-03	2.50e-04	9.33e-05
592	154	5.28	-1.68	-0.10	3.34e-04	1.40e-04	-3.40e-05
592	155	-5.21	1.78	-0.66	-5.57e-04	3.10e-04	3.46e-05
592	169	0.19	6.04	-0.39	-2.06e-03	2.54e-04	1.05e-04
592	186	5.20	-1.73	-0.10	3.52e-04	1.41e-04	-3.65e-05
592	187	-5.14	1.84	-0.65	-5.76e-04	3.09e-04	3.71e-05
592	201	0.20	6.19	-0.39	-2.11e-03	2.55e-04	1.03e-04
592	218	6.05	-2.09	-0.06	4.49e-04	1.27e-04	-4.45e-05
592	219	-5.99	2.20	-0.70	-6.72e-04	3.23e-04	4.51e-05
592	233	0.24	7.35	-0.39	-2.49e-03	2.61e-04	1.21e-04
592	256	-0.20	0.08	-0.50	-1.51e-04	2.92e-04	2.78e-06
592	261	-0.38	0.05	-0.28	-7.73e-05	1.69e-04	3.86e-06
592	276	0.05	0.43	-0.42	-2.18e-04	2.55e-04	0.0
592	298	0.03	0.06	-0.40	-1.19e-04	2.36e-04	0.0
592	303	0.07	0.05	-0.37	-1.11e-04	2.24e-04	0.0
592	307	0.03	0.13	-0.38	-1.30e-04	2.25e-04	0.0
592	310	0.03	0.05	-0.38	-1.12e-04	2.25e-04	0.0
593	28	-0.33	0.10	-0.20	-3.46e-05	0.0	1.04e-06
593	43	-0.54	0.09	-0.17	-3.17e-05	0.0	3.17e-06
593	68	3.71e-03	0.56	-0.17	-1.90e-04	0.0	-2.85e-06
593	123	-4.07	1.36	-0.16	-4.47e-04	0.0	2.45e-05
593	137	0.11	4.65	-0.11	-1.52e-03	0.0	8.29e-05
593	155	-4.57	1.54	-0.17	-5.04e-04	0.0	2.80e-05
593	169	0.12	5.25	-0.11	-1.72e-03	0.0	9.34e-05
593	187	-4.51	1.59	-0.17	-5.20e-04	0.0	3.02e-05
593	201	0.13	5.38	-0.11	-1.76e-03	0.0	9.22e-05
593	219	-5.25	1.90	-0.18	-6.21e-04	0.0	3.71e-05
593	233	0.16	6.39	-0.11	-2.09e-03	0.0	1.08e-04
593	256	-0.22	0.07	-0.14	-2.37e-05	0.0	0.0
593	263	-0.36	0.06	-0.12	-2.17e-05	0.0	2.05e-06

593	276	1.95e-03	0.38	-0.12	-1.27e-04	0.0	-1.97e-06
593	298	-9.48e-03	0.05	-0.11	-1.67e-05	0.0	0.0
593	305	-0.08	0.05	-0.11	-1.66e-05	0.0	0.0
593	307	-6.82e-03	0.11	-0.11	-3.76e-05	0.0	-1.14e-06
593	310	-8.93e-03	0.05	-0.11	-1.56e-05	0.0	0.0
594	28	-0.31	0.12	-0.30	-2.18e-04	3.65e-04	1.50e-06
594	45	-0.59	0.05	-0.11	-7.49e-05	1.42e-04	4.56e-06
594	68	0.07	0.65	-0.25	-3.18e-04	3.15e-04	-3.07e-06
594	122	4.69	-1.46	-0.10	2.81e-04	1.26e-04	-3.01e-05
594	123	-4.63	1.56	-0.22	-5.05e-04	2.66e-04	2.82e-05
594	137	0.17	5.32	-0.16	-1.83e-03	2.13e-04	9.48e-05
594	154	5.27	-1.66	-0.09	3.34e-04	1.17e-04	-3.41e-05
594	155	-5.21	1.76	-0.22	-5.57e-04	2.75e-04	3.22e-05
594	169	0.19	6.02	-0.16	-2.06e-03	2.16e-04	1.07e-04
594	186	5.20	-1.71	-0.09	3.52e-04	1.18e-04	-3.66e-05
594	187	-5.13	1.82	-0.22	-5.76e-04	2.74e-04	3.47e-05
594	201	0.20	6.17	-0.16	-2.11e-03	2.17e-04	1.06e-04
594	218	6.05	-2.07	-0.08	4.49e-04	1.05e-04	-4.45e-05
594	219	-5.98	2.17	-0.23	-6.72e-04	2.87e-04	4.25e-05
594	233	0.23	7.32	-0.16	-2.49e-03	2.21e-04	1.24e-04
594	256	-0.20	0.08	-0.21	-1.51e-04	2.56e-04	0.0
594	261	-0.38	0.05	-0.11	-7.73e-05	1.47e-04	2.72e-06
594	276	0.05	0.43	-0.18	-2.18e-04	2.23e-04	-2.11e-06
594	298	0.03	0.06	-0.17	-1.19e-04	2.06e-04	0.0
594	303	0.07	0.05	-0.16	-1.11e-04	1.95e-04	-1.32e-06
594	307	0.03	0.13	-0.16	-1.30e-04	1.96e-04	-1.17e-06
594	310	0.03	0.05	-0.16	-1.12e-04	1.96e-04	0.0
595	28	-0.32	0.10	-0.10	-3.42e-05	0.0	0.0
595	43	-0.54	0.09	-0.09	-3.09e-05	0.0	1.64e-06
595	68	0.01	0.56	-0.08	-1.90e-04	0.0	-4.05e-06
595	123	-4.06	1.35	-0.06	-4.41e-04	0.0	2.29e-05
595	137	0.11	4.63	-0.05	-1.52e-03	0.0	8.38e-05
595	155	-4.56	1.52	-0.07	-4.98e-04	0.0	2.63e-05
595	169	0.13	5.23	-0.05	-1.71e-03	0.0	9.46e-05
595	187	-4.50	1.57	-0.07	-5.13e-04	0.0	2.86e-05
595	201	0.14	5.36	-0.05	-1.75e-03	0.0	9.36e-05
595	219	-5.24	1.87	-0.07	-6.13e-04	0.0	3.54e-05
595	233	0.17	6.37	-0.05	-2.08e-03	0.0	1.10e-04
595	256	-0.22	0.07	-0.07	-2.35e-05	0.0	0.0
595	263	-0.36	0.06	-0.06	-2.13e-05	0.0	0.0
595	276	6.82e-03	0.38	-0.06	-1.28e-04	0.0	-2.81e-06
595	298	-4.94e-03	0.05	-0.06	-1.68e-05	0.0	-1.85e-06
595	305	-0.08	0.05	-0.05	-1.66e-05	0.0	-1.21e-06
595	307	-2.49e-03	0.11	-0.05	-3.77e-05	0.0	-1.93e-06
595	310	-4.61e-03	0.05	-0.05	-1.57e-05	0.0	-1.78e-06
596	28	-0.31	0.12	-0.15	-2.18e-04	2.42e-04	0.0
596	45	-0.59	0.05	-0.05	-7.49e-05	8.85e-05	3.67e-06
596	68	0.07	0.65	-0.12	-3.18e-04	2.13e-04	-4.54e-06
596	122	4.69	-1.44	-0.07	2.81e-04	1.41e-04	-3.07e-05
596	123	-4.63	1.54	-0.09	-5.05e-04	1.24e-04	2.67e-05
596	137	0.17	5.31	-0.08	-1.83e-03	1.47e-04	9.61e-05
596	154	5.27	-1.63	-0.07	3.34e-04	1.42e-04	-3.46e-05
596	155	-5.21	1.74	-0.09	-5.57e-04	1.23e-04	3.07e-05
596	169	0.19	6.00	-0.08	-2.06e-03	1.49e-04	1.08e-04
596	186	5.19	-1.69	-0.07	3.52e-04	1.41e-04	-3.72e-05
596	187	-5.13	1.80	-0.09	-5.76e-04	1.24e-04	3.32e-05
596	201	0.20	6.14	-0.08	-2.11e-03	1.49e-04	1.07e-04
596	218	6.04	-2.04	-0.07	4.49e-04	1.42e-04	-4.50e-05
596	219	-5.98	2.15	-0.09	-6.72e-04	1.22e-04	4.10e-05
596	233	0.23	7.29	-0.08	-2.49e-03	1.52e-04	1.27e-04
596	256	-0.20	0.08	-0.10	-1.51e-04	1.70e-04	0.0
596	261	-0.38	0.05	-0.05	-7.73e-05	9.40e-05	1.88e-06
596	276	0.05	0.43	-0.09	-2.18e-04	1.50e-04	-3.15e-06
596	298	0.03	0.06	-0.08	-1.19e-04	1.39e-04	-2.06e-06
596	303	0.07	0.05	-0.08	-1.11e-04	1.32e-04	-2.31e-06
596	307	0.03	0.13	-0.08	-1.30e-04	1.32e-04	-2.15e-06
596	310	0.03	0.05	-0.08	-1.12e-04	1.32e-04	-1.98e-06
597	27	-0.32	0.10	-0.07	-3.35e-05	0.0	-2.62e-06
597	43	-0.53	0.09	-0.06	-3.06e-05	0.0	0.0
597	68	0.01	0.57	-0.06	-1.91e-04	0.0	-5.69e-06
597	123	-4.05	1.33	-0.05	-4.35e-04	0.0	1.79e-05
597	137	0.11	4.62	-0.03	-1.51e-03	0.0	8.40e-05
597	155	-4.56	1.50	-0.06	-4.91e-04	0.0	2.08e-05
597	169	0.13	5.22	-0.03	-1.70e-03	0.0	9.49e-05
597	187	-4.49	1.55	-0.06	-5.06e-04	0.0	2.31e-05

597	201	0.14	5.34	-0.03	-1.75e-03	0.0	9.40e-05
597	219	-5.23	1.85	-0.06	-6.04e-04	0.0	2.91e-05
597	233	0.17	6.34	-0.03	-2.07e-03	0.0	1.11e-04
597	255	-0.21	0.07	-0.05	-2.30e-05	0.0	-1.91e-06
597	263	-0.35	0.06	-0.04	-2.11e-05	0.0	0.0
597	276	9.87e-03	0.38	-0.04	-1.28e-04	0.0	-3.96e-06
597	298	-2.07e-03	0.05	-0.04	-1.72e-05	0.0	-2.98e-06
597	305	-0.07	0.05	-0.04	-1.68e-05	0.0	-2.35e-06
597	307	2.26e-04	0.11	-0.04	-3.81e-05	0.0	-2.98e-06
597	310	-1.89e-03	0.05	-0.04	-1.61e-05	0.0	-2.84e-06
598	27	-0.31	0.12	-0.10	-2.06e-04	1.41e-04	-1.99e-06
598	45	-0.59	0.05	-0.03	-7.49e-05	4.44e-05	2.85e-06
598	68	0.07	0.65	-0.08	-3.18e-04	1.40e-04	-5.85e-06
598	122	4.69	-1.42	-0.04	2.81e-04	1.90e-04	-3.08e-05
598	123	-4.62	1.53	-0.07	-5.05e-04	-1.70e-05	2.51e-05
598	137	0.17	5.29	-0.05	-1.83e-03	1.15e-04	9.75e-05
598	154	5.27	-1.61	-0.03	3.34e-04	2.03e-04	-3.46e-05
598	155	-5.20	1.72	-0.07	-5.57e-04	-2.98e-05	2.89e-05
598	169	0.18	5.97	-0.05	-2.06e-03	1.19e-04	1.10e-04
598	186	5.19	-1.66	-0.04	3.52e-04	2.01e-04	-3.72e-05
598	187	-5.13	1.77	-0.07	-5.76e-04	-2.79e-05	3.15e-05
598	201	0.20	6.12	-0.05	-2.11e-03	1.17e-04	1.09e-04
598	218	6.04	-2.01	-0.03	4.49e-04	2.20e-04	-4.49e-05
598	219	-5.98	2.12	-0.07	-6.72e-04	-4.67e-05	3.92e-05
598	233	0.23	7.27	-0.05	-2.49e-03	1.22e-04	1.29e-04
598	255	-0.21	0.08	-0.07	-1.43e-04	9.94e-05	-1.49e-06
598	261	-0.38	0.05	-0.03	-7.73e-05	5.25e-05	1.11e-06
598	276	0.05	0.44	-0.06	-2.18e-04	9.87e-05	-4.07e-06
598	298	0.03	0.06	-0.06	-1.19e-04	9.11e-05	-2.99e-06
598	303	0.07	0.05	-0.05	-1.11e-04	8.75e-05	-3.18e-06
598	307	0.03	0.13	-0.05	-1.30e-04	8.69e-05	-3.02e-06
598	310	0.03	0.06	-0.05	-1.12e-04	8.67e-05	-2.86e-06
599	27	-0.32	0.10	-0.06	-3.36e-05	0.0	-5.74e-06
599	47	-0.53	0.08	-0.05	-2.57e-05	0.0	-2.34e-06
599	68	0.02	0.57	-0.04	-1.92e-04	0.0	-7.95e-06
599	123	-4.05	1.32	-0.12	-4.29e-04	0.0	8.75e-06
599	139	-1.20	4.61	-0.06	-1.50e-03	0.0	5.61e-06
599	155	-4.56	1.49	-0.13	-4.84e-04	0.0	1.07e-05
599	171	-1.34	5.20	-0.06	-1.70e-03	0.0	7.02e-06
599	187	-4.49	1.54	-0.13	-4.98e-04	0.0	1.30e-05
599	203	-1.29	5.33	-0.06	-1.74e-03	0.0	7.32e-06
599	219	-5.23	1.83	-0.15	-5.95e-04	0.0	1.75e-05
599	235	-1.50	6.32	-0.06	-2.06e-03	0.0	9.75e-06
599	255	-0.21	0.07	-0.04	-2.31e-05	0.0	-4.06e-06
599	263	-0.35	0.06	-0.04	-2.09e-05	0.0	-2.69e-06
599	276	0.01	0.38	-0.03	-1.29e-04	0.0	-5.54e-06
599	305	-0.07	0.05	-0.03	-1.71e-05	0.0	-3.90e-06
599	307	1.69e-03	0.12	-0.03	-3.85e-05	0.0	-4.40e-06
599	310	-4.21e-04	0.05	-0.03	-1.65e-05	0.0	-4.26e-06
600	27	-0.31	0.12	-0.09	-2.06e-04	9.91e-05	-1.04e-05
600	45	-0.59	0.05	-0.04	-7.49e-05	1.71e-05	-2.29e-06
600	68	0.07	0.65	-0.06	-3.18e-04	1.08e-04	-1.19e-05
600	122	4.69	-1.40	0.07	2.81e-04	2.74e-04	-1.35e-05
600	123	-4.62	1.51	-0.15	-5.05e-04	-1.41e-04	0.0
600	139	-1.34	5.27	-0.07	-1.59e-03	5.81e-05	1.88e-06
600	154	5.27	-1.59	0.08	3.34e-04	3.00e-04	-1.47e-05
600	155	-5.20	1.70	-0.16	-5.57e-04	-1.66e-04	1.42e-06
600	171	-1.51	5.96	-0.08	-1.78e-03	5.70e-05	3.16e-06
600	186	5.19	-1.64	0.08	3.52e-04	2.96e-04	-1.74e-05
600	187	-5.13	1.75	-0.16	-5.76e-04	-1.63e-04	4.08e-06
600	203	-1.45	6.10	-0.08	-1.83e-03	5.61e-05	3.55e-06
600	218	6.04	-1.98	0.10	4.49e-04	3.34e-04	-2.11e-05
600	219	-5.98	2.09	-0.18	-6.72e-04	-2.01e-04	7.77e-06
600	235	-1.69	7.24	-0.08	-2.16e-03	5.39e-05	5.83e-06
600	255	-0.21	0.08	-0.06	-1.43e-04	7.02e-05	-7.31e-06
600	261	-0.38	0.04	-0.04	-7.73e-05	2.89e-05	-3.27e-06
600	276	0.05	0.44	-0.04	-2.18e-04	7.62e-05	-8.33e-06
600	298	0.03	0.06	-0.04	-1.19e-04	7.02e-05	-7.01e-06
600	303	0.07	0.06	-0.04	-1.11e-04	6.85e-05	-6.78e-06
600	307	0.03	0.13	-0.04	-1.30e-04	6.70e-05	-6.81e-06
600	310	0.03	0.06	-0.04	-1.12e-04	6.68e-05	-6.65e-06
601	43	-0.53	0.10	-0.07	-3.61e-05	0.0	-5.07e-06
601	47	-0.53	0.08	-0.07	-3.06e-05	0.0	-3.55e-06
601	68	0.02	0.57	-0.01	-1.97e-04	0.0	-8.94e-06
601	122	4.05	-1.21	0.37	4.04e-04	0.0	-1.38e-05

601	123	-4.05	1.32	-0.40	-4.43e-04	0.0	4.02e-06
601	139	-1.20	4.60	-0.13	-1.51e-03	0.0	3.22e-06
601	154	4.56	-1.38	0.42	4.60e-04	0.0	-1.52e-05
601	155	-4.56	1.49	-0.45	-4.98e-04	0.0	5.43e-06
601	171	-1.34	5.19	-0.14	-1.70e-03	0.0	4.41e-06
601	186	4.49	-1.42	0.42	4.73e-04	0.0	-1.75e-05
601	187	-4.49	1.53	-0.44	-5.12e-04	0.0	7.77e-06
601	203	-1.29	5.31	-0.13	-1.74e-03	0.0	4.69e-06
601	218	5.23	-1.72	0.49	5.71e-04	0.0	-2.13e-05
601	219	-5.23	1.82	-0.51	-6.10e-04	0.0	1.16e-05
601	235	-1.50	6.31	-0.15	-2.07e-03	0.0	6.77e-06
601	263	-0.35	0.07	-0.05	-2.49e-05	0.0	-3.65e-06
601	276	0.01	0.38	-9.88e-03	-1.32e-04	0.0	-6.23e-06
601	305	-0.07	0.05	-0.02	-2.03e-05	0.0	-4.58e-06
601	307	2.23e-03	0.12	-0.01	-4.15e-05	0.0	-5.02e-06
601	309	5.20e-04	0.03	-5.07e-03	-1.14e-05	0.0	-3.35e-06
601	310	1.14e-04	0.05	-0.01	-1.95e-05	0.0	-4.88e-06
602	43	-0.56	0.11	-0.08	-1.80e-04	6.45e-05	-1.60e-05
602	45	-0.59	0.05	-0.06	-7.49e-05	8.90e-06	-7.11e-06
602	68	0.07	0.66	-0.03	-3.18e-04	1.06e-04	-1.76e-05
602	122	4.69	-1.40	0.35	2.81e-04	3.23e-04	4.69e-06
602	123	-4.62	1.52	-0.39	-5.05e-04	-1.93e-04	-2.49e-05
602	139	-1.34	5.27	-0.13	-1.59e-03	5.52e-05	-1.12e-05
602	154	5.26	-1.59	0.39	3.34e-04	3.55e-04	6.20e-06
602	155	-5.20	1.71	-0.43	-5.57e-04	-2.25e-04	-2.64e-05
602	171	-1.51	5.95	-0.14	-1.78e-03	5.39e-05	-1.11e-05
602	186	5.19	-1.64	0.39	3.52e-04	3.51e-04	3.27e-06
602	187	-5.13	1.76	-0.43	-5.76e-04	-2.21e-04	-2.35e-05
602	203	-1.45	6.09	-0.14	-1.83e-03	5.29e-05	-1.09e-05
602	218	6.04	-1.97	0.45	4.49e-04	3.98e-04	3.64e-06
602	219	-5.98	2.10	-0.50	-6.72e-04	-2.68e-04	-2.39e-05
602	235	-1.69	7.23	-0.16	-2.16e-03	5.04e-05	-1.06e-05
602	261	-0.38	0.05	-0.04	-7.73e-05	2.28e-05	-7.35e-06
602	263	-0.37	0.08	-0.06	-1.25e-04	4.69e-05	-1.12e-05
602	276	0.05	0.45	-0.02	-2.18e-04	7.43e-05	-1.23e-05
602	303	0.07	0.06	-0.02	-1.11e-04	6.73e-05	-1.01e-05
602	305	-0.05	0.07	-0.03	-1.13e-04	6.08e-05	-1.02e-05
602	307	0.03	0.14	-0.02	-1.30e-04	6.54e-05	-1.03e-05
602	310	0.03	0.06	-0.02	-1.12e-04	6.52e-05	-1.01e-05
603	45	-0.09	0.02	-7.69e-03	-3.44e-05	0.0	0.0
603	52	0.02	0.06	-0.04	-1.26e-04	0.0	-1.31e-05
603	68	0.02	0.09	-0.04	-1.79e-04	0.0	-1.32e-05
603	122	0.74	-0.25	-0.04	5.08e-04	0.0	-2.86e-05
603	129	5.26e-03	0.78	-0.05	-1.58e-03	0.0	-2.99e-05
603	141	0.13	0.69	-0.05	-1.40e-03	0.0	-4.37e-05
603	154	0.83	-0.29	-0.04	5.77e-04	0.0	-3.14e-05
603	161	3.99e-03	0.88	-0.05	-1.79e-03	0.0	-3.29e-05
603	173	0.15	0.78	-0.06	-1.59e-03	0.0	-4.85e-05
603	186	0.81	-0.30	-0.04	5.94e-04	0.0	-3.10e-05
603	193	1.98e-03	0.91	-0.05	-1.86e-03	0.0	-3.27e-05
603	205	0.15	0.80	-0.06	-1.63e-03	0.0	-4.90e-05
603	218	0.94	-0.36	-0.04	7.16e-04	0.0	-3.48e-05
603	225	-1.96e-03	1.10	-0.06	-2.23e-03	0.0	-3.79e-05
603	237	0.17	0.95	-0.06	-1.94e-03	0.0	-5.68e-05
603	261	-0.06	0.01	-0.01	-2.72e-05	0.0	0.0
603	268	0.02	0.04	-0.03	-8.50e-05	0.0	-9.10e-06
603	276	0.01	0.06	-0.03	-1.20e-04	0.0	-9.18e-06
603	298	0.01	9.31e-03	-0.02	-2.07e-05	0.0	-6.19e-06
603	303	0.02	7.83e-03	-0.02	-1.77e-05	0.0	-6.20e-06
603	307	0.01	0.02	-0.02	-3.92e-05	0.0	-6.39e-06
603	310	0.01	8.68e-03	-0.02	-1.94e-05	0.0	-5.88e-06
604	1	0.0	0.0	0.0	-7.13e-06	0.0	-2.09e-06
604	113	0.0	0.0	0.0	-8.17e-04	0.0	-3.56e-06
604	145	0.0	0.0	0.0	-9.22e-04	0.0	-3.77e-06
604	177	0.0	0.0	0.0	-9.53e-04	0.0	-3.71e-06
604	209	0.0	0.0	0.0	-1.14e-03	0.0	-4.05e-06
604	241	0.0	0.0	0.0	-5.54e-06	0.0	-1.50e-06
604	297	0.0	0.0	0.0	-1.05e-05	0.0	-1.23e-06
604	309	0.0	0.0	0.0	-1.05e-05	0.0	-1.23e-06
605	45	-0.19	0.03	-0.01	-3.44e-05	0.0	1.42e-06
605	52	0.04	0.12	-0.07	-1.32e-04	0.0	-1.85e-05
605	68	0.04	0.18	-0.07	-1.86e-04	0.0	-1.81e-05
605	122	1.49	-0.51	-0.07	5.07e-04	0.0	-4.41e-05
605	129	0.02	1.57	-0.10	-1.62e-03	0.0	-3.74e-05
605	141	0.27	1.39	-0.10	-1.44e-03	0.0	-5.24e-05

605	154	1.67	-0.58	-0.07	5.77e-04	0.0	-4.85e-05
605	161	0.02	1.78	-0.11	-1.83e-03	0.0	-4.07e-05
605	173	0.31	1.57	-0.11	-1.63e-03	0.0	-5.79e-05
605	186	1.64	-0.59	-0.07	5.95e-04	0.0	-4.84e-05
605	193	0.02	1.84	-0.11	-1.90e-03	0.0	-3.84e-05
605	205	0.31	1.62	-0.11	-1.67e-03	0.0	-5.75e-05
605	218	1.91	-0.72	-0.07	7.17e-04	0.0	-5.48e-05
605	225	0.01	2.22	-0.12	-2.28e-03	0.0	-4.33e-05
605	237	0.35	1.92	-0.13	-1.99e-03	0.0	-6.61e-05
605	261	-0.12	0.03	-0.02	-2.76e-05	0.0	-1.31e-06
605	268	0.03	0.08	-0.05	-8.86e-05	0.0	-1.28e-05
605	276	0.03	0.12	-0.05	-1.25e-04	0.0	-1.26e-05
605	298	0.02	0.02	-0.04	-2.25e-05	0.0	-9.10e-06
605	303	0.04	0.02	-0.04	-1.94e-05	0.0	-9.11e-06
605	307	0.02	0.04	-0.04	-4.13e-05	0.0	-9.20e-06
605	310	0.02	0.02	-0.04	-2.10e-05	0.0	-8.65e-06
606	45	-0.28	0.05	-0.02	-3.47e-05	0.0	1.99e-06
606	52	0.06	0.19	-0.09	-1.38e-04	0.0	-2.00e-05
606	68	0.05	0.27	-0.09	-1.94e-04	0.0	-1.92e-05
606	122	2.25	-0.76	-0.10	5.08e-04	0.0	-4.33e-05
606	129	0.04	2.39	-0.14	-1.66e-03	0.0	-6.00e-05
606	141	0.42	2.12	-0.15	-1.49e-03	0.0	-4.86e-05
606	154	2.52	-0.87	-0.10	5.78e-04	0.0	-4.75e-05
606	161	0.04	2.70	-0.16	-1.88e-03	0.0	-6.61e-05
606	173	0.47	2.40	-0.16	-1.68e-03	0.0	-5.33e-05
606	186	2.48	-0.89	-0.10	5.97e-04	0.0	-4.70e-05
606	193	0.04	2.80	-0.16	-1.95e-03	0.0	-6.43e-05
606	205	0.47	2.46	-0.17	-1.73e-03	0.0	-5.11e-05
606	218	2.88	-1.07	-0.11	7.21e-04	0.0	-5.28e-05
606	225	0.04	3.37	-0.18	-2.35e-03	0.0	-7.42e-05
606	237	0.54	2.93	-0.19	-2.05e-03	0.0	-5.79e-05
606	261	-0.18	0.04	-0.03	-2.83e-05	0.0	-1.21e-06
606	268	0.04	0.13	-0.07	-9.33e-05	0.0	-1.39e-05
606	276	0.04	0.18	-0.06	-1.30e-04	0.0	-1.34e-05
606	298	0.03	0.03	-0.05	-2.47e-05	0.0	-1.01e-05
606	303	0.05	0.03	-0.05	-2.16e-05	0.0	-1.02e-05
606	307	0.03	0.06	-0.05	-4.40e-05	0.0	-1.01e-05
606	310	0.03	0.03	-0.05	-2.31e-05	0.0	-9.64e-06
607	45	-0.09	0.02	-8.95e-03	-3.36e-05	0.0	0.0
607	52	0.02	0.07	-0.03	-1.32e-04	0.0	-5.81e-06
607	68	0.02	0.09	-0.03	-1.85e-04	0.0	-4.28e-06
607	122	0.74	-0.24	-0.02	4.83e-04	0.0	-3.42e-05
607	129	7.79e-03	0.77	-0.03	-1.56e-03	0.0	4.68e-05
607	141	0.13	0.69	-0.03	-1.41e-03	0.0	2.55e-05
607	154	0.83	-0.27	-0.03	5.49e-04	0.0	-3.81e-05
607	161	6.83e-03	0.87	-0.03	-1.77e-03	0.0	5.35e-05
607	173	0.15	0.78	-0.04	-1.59e-03	0.0	2.94e-05
607	186	0.82	-0.28	-0.03	5.67e-04	0.0	-3.83e-05
607	193	5.01e-03	0.90	-0.03	-1.83e-03	0.0	5.53e-05
607	205	0.15	0.80	-0.04	-1.63e-03	0.0	3.04e-05
607	218	0.95	-0.34	-0.03	6.84e-04	0.0	-4.46e-05
607	225	1.67e-03	1.09	-0.04	-2.21e-03	0.0	6.72e-05
607	237	0.17	0.95	-0.04	-1.94e-03	0.0	3.70e-05
607	261	-0.06	0.01	-0.01	-2.76e-05	0.0	0.0
607	268	0.02	0.04	-0.02	-8.93e-05	0.0	-4.10e-06
607	276	0.01	0.06	-0.02	-1.24e-04	0.0	-3.08e-06
607	298	0.01	0.01	-0.02	-2.42e-05	0.0	-3.92e-06
607	303	0.02	0.01	-0.02	-2.12e-05	0.0	-3.96e-06
607	307	0.01	0.02	-0.02	-4.25e-05	0.0	-3.50e-06
607	310	0.01	0.01	-0.02	-2.27e-05	0.0	-3.73e-06
608	1	0.0	0.0	0.0	-1.20e-05	0.0	-1.05e-06
608	113	0.0	0.0	0.0	-8.10e-04	0.0	2.43e-06
608	145	0.0	0.0	0.0	-9.15e-04	0.0	2.85e-06
608	177	0.0	0.0	0.0	-9.45e-04	0.0	2.90e-06
608	209	0.0	0.0	0.0	-1.13e-03	0.0	3.64e-06
608	241	0.0	0.0	0.0	-9.02e-06	0.0	0.0
608	297	0.0	0.0	0.0	-1.33e-05	0.0	0.0
608	309	0.0	0.0	0.0	-1.33e-05	0.0	0.0
609	45	-0.19	0.03	-0.02	-3.36e-05	0.0	1.67e-06
609	52	0.04	0.13	-0.06	-1.35e-04	0.0	-9.53e-06
609	68	0.04	0.18	-0.05	-1.89e-04	0.0	-6.77e-06
609	122	1.49	-0.48	-0.05	4.89e-04	0.0	-6.35e-05
609	129	0.02	1.55	-0.06	-1.59e-03	0.0	9.33e-05
609	141	0.28	1.39	-0.06	-1.44e-03	0.0	5.05e-05
609	154	1.67	-0.55	-0.05	5.56e-04	0.0	-7.08e-05

609	161	0.02	1.76	-0.07	-1.80e-03	0.0	1.06e-04
609	173	0.31	1.57	-0.07	-1.62e-03	0.0	5.80e-05
609	186	1.65	-0.56	-0.05	5.74e-04	0.0	-7.13e-05
609	193	0.02	1.82	-0.07	-1.87e-03	0.0	1.10e-04
609	205	0.31	1.62	-0.07	-1.67e-03	0.0	5.99e-05
609	218	1.91	-0.68	-0.05	6.93e-04	0.0	-8.32e-05
609	225	0.02	2.19	-0.07	-2.25e-03	0.0	1.33e-04
609	237	0.36	1.92	-0.08	-1.98e-03	0.0	7.27e-05
609	261	-0.12	0.03	-0.02	-2.76e-05	0.0	0.0
609	268	0.03	0.09	-0.04	-9.11e-05	0.0	-6.74e-06
609	276	0.03	0.12	-0.04	-1.27e-04	0.0	-4.90e-06
609	298	0.02	0.02	-0.03	-2.45e-05	0.0	-6.61e-06
609	303	0.04	0.02	-0.03	-2.15e-05	0.0	-6.68e-06
609	307	0.02	0.04	-0.03	-4.32e-05	0.0	-5.84e-06
609	310	0.02	0.02	-0.03	-2.29e-05	0.0	-6.29e-06
610	45	-0.28	0.05	-0.03	-3.36e-05	0.0	2.25e-06
610	52	0.06	0.20	-0.08	-1.39e-04	0.0	-1.19e-05
610	68	0.05	0.28	-0.08	-1.95e-04	0.0	-8.59e-06
610	122	2.25	-0.73	-0.07	4.97e-04	0.0	-8.03e-05
610	129	0.04	2.36	-0.09	-1.64e-03	0.0	1.29e-04
610	141	0.42	2.12	-0.10	-1.48e-03	0.0	6.67e-05
610	154	2.53	-0.83	-0.07	5.66e-04	0.0	-8.96e-05
610	161	0.04	2.66	-0.10	-1.85e-03	0.0	1.47e-04
610	173	0.47	2.39	-0.10	-1.67e-03	0.0	7.66e-05
610	186	2.49	-0.85	-0.07	5.85e-04	0.0	-9.03e-05
610	193	0.04	2.76	-0.10	-1.92e-03	0.0	1.51e-04
610	205	0.47	2.46	-0.10	-1.72e-03	0.0	7.90e-05
610	218	2.89	-1.03	-0.08	7.07e-04	0.0	-1.05e-04
610	225	0.04	3.32	-0.11	-2.31e-03	0.0	1.84e-04
610	237	0.54	2.92	-0.11	-2.04e-03	0.0	9.58e-05
610	261	-0.18	0.04	-0.03	-2.77e-05	0.0	0.0
610	268	0.04	0.13	-0.06	-9.38e-05	0.0	-8.39e-06
610	276	0.04	0.19	-0.05	-1.31e-04	0.0	-6.20e-06
610	298	0.03	0.04	-0.05	-2.50e-05	0.0	-8.13e-06
610	303	0.05	0.03	-0.05	-2.19e-05	0.0	-8.23e-06
610	307	0.03	0.06	-0.05	-4.43e-05	0.0	-7.23e-06
610	310	0.03	0.03	-0.05	-2.34e-05	0.0	-7.75e-06
611	45	-0.09	0.02	-0.01	-3.26e-05	0.0	1.51e-06
611	52	0.02	0.07	-0.03	-1.35e-04	0.0	1.28e-06
611	68	0.02	0.09	-0.03	-1.85e-04	0.0	4.55e-06
611	122	0.74	-0.22	-0.02	4.50e-04	0.0	-4.43e-05
611	125	0.67	0.18	-0.02	-3.65e-04	0.0	1.71e-05
611	129	0.01	0.73	-0.02	-1.49e-03	0.0	1.16e-04
611	154	0.83	-0.25	-0.02	5.13e-04	0.0	-4.99e-05
611	157	0.75	0.20	-0.02	-4.10e-04	0.0	1.96e-05
611	161	9.35e-03	0.82	-0.02	-1.69e-03	0.0	1.31e-04
611	186	0.82	-0.26	-0.02	5.29e-04	0.0	-5.11e-05
611	189	0.74	0.21	-0.02	-4.23e-04	0.0	2.07e-05
611	193	7.68e-03	0.85	-0.02	-1.75e-03	0.0	1.36e-04
611	218	0.95	-0.31	-0.02	6.40e-04	0.0	-6.07e-05
611	221	0.86	0.24	-0.02	-5.01e-04	0.0	2.53e-05
611	225	4.84e-03	1.02	-0.02	-2.10e-03	0.0	1.64e-04
611	261	-0.06	0.01	-0.01	-2.75e-05	0.0	0.0
611	268	0.02	0.04	-0.02	-9.09e-05	0.0	0.0
611	276	0.01	0.06	-0.02	-1.25e-04	0.0	2.92e-06
611	298	0.01	0.01	-0.02	-2.67e-05	0.0	-1.82e-06
611	303	0.02	0.01	-0.02	-2.38e-05	0.0	-1.92e-06
611	307	0.01	0.02	-0.02	-4.44e-05	0.0	0.0
611	310	0.01	0.01	-0.02	-2.50e-05	0.0	-1.74e-06
612	1	0.0	0.0	0.0	-1.53e-05	0.0	0.0
612	113	0.0	0.0	0.0	-7.71e-04	0.0	6.84e-06
612	145	0.0	0.0	0.0	-8.69e-04	0.0	7.79e-06
612	177	0.0	0.0	0.0	-8.98e-04	0.0	8.04e-06
612	209	0.0	0.0	0.0	-1.07e-03	0.0	9.73e-06
612	241	0.0	0.0	0.0	-1.14e-05	0.0	0.0
612	297	0.0	0.0	0.0	-1.51e-05	0.0	0.0
612	309	0.0	0.0	0.0	-1.51e-05	0.0	0.0
613	45	-0.19	0.03	-0.02	-3.27e-05	0.0	2.44e-06
613	52	0.05	0.13	-0.06	-1.37e-04	0.0	0.0
613	68	0.04	0.18	-0.05	-1.90e-04	0.0	5.83e-06
613	122	1.49	-0.44	-0.04	4.65e-04	0.0	-7.89e-05
613	125	1.35	0.36	-0.04	-3.78e-04	0.0	2.65e-05
613	129	0.03	1.47	-0.04	-1.54e-03	0.0	2.01e-04
613	154	1.67	-0.51	-0.04	5.30e-04	0.0	-8.87e-05
613	157	1.52	0.40	-0.05	-4.25e-04	0.0	3.06e-05

613	161	0.03	1.67	-0.04	-1.75e-03	0.0	2.28e-04
613	186	1.65	-0.52	-0.04	5.47e-04	0.0	-9.07e-05
613	189	1.49	0.42	-0.05	-4.39e-04	0.0	3.25e-05
613	193	0.02	1.73	-0.04	-1.81e-03	0.0	2.37e-04
613	218	1.91	-0.63	-0.04	6.62e-04	0.0	-1.08e-04
613	221	1.73	0.49	-0.05	-5.19e-04	0.0	4.00e-05
613	225	0.02	2.08	-0.04	-2.18e-03	0.0	2.86e-04
613	261	-0.12	0.03	-0.02	-2.75e-05	0.0	0.0
613	268	0.03	0.09	-0.04	-9.27e-05	0.0	0.0
613	276	0.03	0.12	-0.04	-1.28e-04	0.0	3.66e-06
613	298	0.02	0.03	-0.03	-2.64e-05	0.0	-3.67e-06
613	303	0.04	0.02	-0.03	-2.34e-05	0.0	-3.83e-06
613	307	0.02	0.04	-0.03	-4.48e-05	0.0	-1.99e-06
613	310	0.02	0.03	-0.03	-2.47e-05	0.0	-3.51e-06
614	45	-0.28	0.05	-0.03	-3.27e-05	0.0	2.83e-06
614	52	0.06	0.20	-0.09	-1.41e-04	0.0	-2.15e-06
614	68	0.05	0.28	-0.08	-1.96e-04	0.0	3.75e-06
614	122	2.25	-0.68	-0.06	4.87e-04	0.0	-9.51e-05
614	125	2.05	0.55	-0.07	-3.97e-04	0.0	2.56e-05
614	129	0.05	2.26	-0.06	-1.61e-03	0.0	2.36e-04
614	154	2.53	-0.77	-0.06	5.54e-04	0.0	-1.07e-04
614	157	2.30	0.62	-0.07	-4.47e-04	0.0	2.98e-05
614	161	0.05	2.55	-0.06	-1.83e-03	0.0	2.68e-04
614	186	2.49	-0.80	-0.06	5.72e-04	0.0	-1.09e-04
614	189	2.26	0.64	-0.07	-4.61e-04	0.0	3.20e-05
614	193	0.04	2.65	-0.06	-1.89e-03	0.0	2.78e-04
614	218	2.89	-0.97	-0.07	6.92e-04	0.0	-1.29e-04
614	221	2.63	0.76	-0.07	-5.46e-04	0.0	3.99e-05
614	225	0.04	3.18	-0.07	-2.28e-03	0.0	3.36e-04
614	261	-0.18	0.04	-0.03	-2.73e-05	0.0	0.0
614	268	0.04	0.14	-0.06	-9.48e-05	0.0	-1.76e-06
614	276	0.04	0.19	-0.05	-1.32e-04	0.0	2.17e-06
614	298	0.03	0.04	-0.05	-2.56e-05	0.0	-5.44e-06
614	303	0.05	0.04	-0.05	-2.27e-05	0.0	-5.62e-06
614	307	0.03	0.07	-0.05	-4.50e-05	0.0	-3.60e-06
614	310	0.03	0.04	-0.05	-2.40e-05	0.0	-5.20e-06
615	45	-0.09	0.02	-0.01	-3.11e-05	0.0	2.11e-06
615	68	0.02	0.09	-0.03	-1.80e-04	0.0	1.12e-05
615	76	0.02	5.08e-03	-0.03	-7.89e-06	0.0	-3.20e-06
615	122	0.74	-0.19	-0.02	4.09e-04	0.0	-5.35e-05
615	129	0.01	0.64	-0.01	-1.38e-03	0.0	1.68e-04
615	138	0.24	-0.53	-0.02	1.14e-03	0.0	-1.31e-04
615	154	0.83	-0.22	-0.02	4.67e-04	0.0	-6.06e-05
615	161	0.01	0.73	-0.01	-1.56e-03	0.0	1.90e-04
615	170	0.27	-0.60	-0.02	1.29e-03	0.0	-1.49e-04
615	186	0.82	-0.22	-0.02	4.82e-04	0.0	-6.25e-05
615	193	0.01	0.75	-0.01	-1.61e-03	0.0	1.98e-04
615	202	0.26	-0.62	-0.02	1.32e-03	0.0	-1.53e-04
615	218	0.95	-0.27	-0.02	5.84e-04	0.0	-7.51e-05
615	225	7.66e-03	0.91	-0.01	-1.94e-03	0.0	2.38e-04
615	234	0.31	-0.73	-0.02	1.58e-03	0.0	-1.82e-04
615	261	-0.06	0.01	-0.01	-2.69e-05	0.0	1.40e-06
615	276	0.02	0.06	-0.02	-1.21e-04	0.0	7.46e-06
615	280	0.02	4.02e-03	-0.02	-6.51e-06	0.0	-2.14e-06
615	298	0.01	0.01	-0.02	-2.78e-05	0.0	0.0
615	303	0.02	0.01	-0.02	-2.50e-05	0.0	0.0
615	307	0.01	0.02	-0.02	-4.45e-05	0.0	1.46e-06
615	310	0.01	0.01	-0.02	-2.61e-05	0.0	0.0
616	1	0.0	0.0	0.0	-1.70e-05	0.0	0.0
616	113	0.0	0.0	0.0	-7.00e-04	0.0	9.41e-06
616	145	0.0	0.0	0.0	-7.89e-04	0.0	1.07e-05
616	177	0.0	0.0	0.0	-8.15e-04	0.0	1.10e-05
616	209	0.0	0.0	0.0	-9.74e-04	0.0	1.32e-05
616	241	0.0	0.0	0.0	-1.26e-05	0.0	0.0
616	297	0.0	0.0	0.0	-1.58e-05	0.0	0.0
616	309	0.0	0.0	0.0	-1.58e-05	0.0	0.0
617	45	-0.19	0.03	-0.02	-3.19e-05	0.0	3.27e-06
617	68	0.04	0.18	-0.05	-1.89e-04	0.0	1.49e-05
617	76	0.04	9.28e-03	-0.06	-5.25e-06	0.0	-5.75e-06
617	122	1.49	-0.40	-0.04	4.40e-04	0.0	-8.34e-05
617	129	0.03	1.34	-0.03	-1.48e-03	0.0	2.58e-04
617	138	0.49	-1.10	-0.04	1.22e-03	0.0	-1.93e-04
617	154	1.67	-0.45	-0.04	5.01e-04	0.0	-9.43e-05
617	161	0.03	1.51	-0.02	-1.67e-03	0.0	2.92e-04
617	170	0.54	-1.25	-0.04	1.39e-03	0.0	-2.19e-04

617	186	1.65	-0.47	-0.04	5.18e-04	0.0	-9.71e-05
617	193	0.03	1.57	-0.02	-1.73e-03	0.0	3.03e-04
617	202	0.53	-1.28	-0.04	1.42e-03	0.0	-2.25e-04
617	218	1.91	-0.57	-0.04	6.27e-04	0.0	-1.16e-04
617	225	0.02	1.88	-0.02	-2.08e-03	0.0	3.65e-04
617	234	0.61	-1.53	-0.05	1.70e-03	0.0	-2.67e-04
617	261	-0.12	0.03	-0.02	-2.73e-05	0.0	2.00e-06
617	276	0.03	0.12	-0.04	-1.27e-04	0.0	9.89e-06
617	280	0.03	7.46e-03	-0.04	-4.73e-06	0.0	-3.89e-06
617	298	0.03	0.03	-0.04	-2.78e-05	0.0	0.0
617	303	0.04	0.03	-0.03	-2.49e-05	0.0	0.0
617	307	0.02	0.04	-0.03	-4.57e-05	0.0	1.41e-06
617	310	0.02	0.03	-0.03	-2.61e-05	0.0	0.0
618	45	-0.28	0.05	-0.03	-3.22e-05	0.0	3.57e-06
618	68	0.06	0.27	-0.08	-1.99e-04	0.0	1.25e-05
618	76	0.06	0.01	-0.09	0.0	0.0	-8.28e-06
618	122	2.26	-0.63	-0.06	4.77e-04	0.0	-9.37e-05
618	137	0.26	2.11	-0.04	-1.60e-03	0.0	2.44e-04
618	138	0.73	-1.74	-0.07	1.33e-03	0.0	-1.99e-04
618	154	2.53	-0.71	-0.06	5.44e-04	0.0	-1.06e-04
618	161	0.05	2.38	-0.04	-1.80e-03	0.0	3.20e-04
618	170	0.82	-1.97	-0.07	1.51e-03	0.0	-2.25e-04
618	186	2.49	-0.74	-0.06	5.62e-04	0.0	-1.09e-04
618	193	0.05	2.47	-0.04	-1.87e-03	0.0	3.32e-04
618	202	0.79	-2.02	-0.07	1.55e-03	0.0	-2.31e-04
618	218	2.89	-0.89	-0.06	6.80e-04	0.0	-1.30e-04
618	225	0.05	2.97	-0.03	-2.25e-03	0.0	4.00e-04
618	234	0.92	-2.41	-0.07	1.85e-03	0.0	-2.75e-04
618	261	-0.18	0.04	-0.04	-2.73e-05	0.0	1.84e-06
618	276	0.04	0.18	-0.05	-1.34e-04	0.0	8.22e-06
618	280	0.04	9.86e-03	-0.06	-1.54e-06	0.0	-5.65e-06
618	298	0.03	0.04	-0.05	-2.69e-05	0.0	-2.24e-06
618	303	0.05	0.04	-0.05	-2.40e-05	0.0	-2.45e-06
618	307	0.03	0.07	-0.05	-4.63e-05	0.0	0.0
618	310	0.03	0.04	-0.05	-2.52e-05	0.0	-2.13e-06
619	45	-0.09	0.01	-0.01	-2.95e-05	0.0	1.27e-06
619	68	0.02	0.08	-0.03	-1.73e-04	0.0	7.16e-06
619	76	0.03	6.30e-03	-0.04	-9.64e-06	0.0	-1.15e-06
619	122	0.74	-0.16	-0.03	3.75e-04	0.0	-2.36e-05
619	137	0.09	0.55	0.02	-1.28e-03	0.0	8.99e-05
619	140	-0.06	-0.52	-0.06	1.23e-03	0.0	-8.92e-05
619	154	0.83	-0.18	-0.03	4.28e-04	0.0	-2.68e-05
619	169	0.09	0.62	0.03	-1.44e-03	0.0	1.02e-04
619	172	-0.07	-0.59	-0.07	1.39e-03	0.0	-1.01e-04
619	186	0.81	-0.19	-0.03	4.42e-04	0.0	-2.80e-05
619	193	0.01	0.64	0.03	-1.48e-03	0.0	1.18e-04
619	204	-0.07	-0.61	-0.07	1.43e-03	0.0	-1.04e-04
619	218	0.94	-0.23	-0.04	5.36e-04	0.0	-3.39e-05
619	225	0.01	0.76	0.04	-1.78e-03	0.0	1.42e-04
619	228	0.02	-0.74	-0.08	1.73e-03	0.0	-1.41e-04
619	261	-0.06	0.01	-0.02	-2.58e-05	0.0	1.00e-06
619	276	0.02	0.05	-0.02	-1.16e-04	0.0	4.82e-06
619	280	0.02	4.80e-03	-0.03	-7.67e-06	0.0	0.0
619	298	0.01	0.01	-0.02	-2.77e-05	0.0	0.0
619	303	0.02	0.01	-0.02	-2.50e-05	0.0	0.0
619	307	0.01	0.02	-0.02	-4.35e-05	0.0	1.22e-06
619	310	0.01	0.01	-0.02	-2.60e-05	0.0	0.0
620	1	0.0	0.0	0.0	-1.70e-05	0.0	0.0
620	113	0.0	0.0	0.0	-6.24e-04	0.0	6.72e-06
620	145	0.0	0.0	0.0	-7.04e-04	0.0	7.59e-06
620	177	0.0	0.0	0.0	-7.26e-04	0.0	7.82e-06
620	209	0.0	0.0	0.0	-8.67e-04	0.0	9.36e-06
620	241	0.0	0.0	0.0	-1.26e-05	0.0	0.0
620	297	0.0	0.0	0.0	-1.55e-05	0.0	0.0
620	309	0.0	0.0	0.0	-1.55e-05	0.0	0.0
621	45	-0.19	0.03	-0.03	-3.10e-05	0.0	2.36e-06
621	68	0.04	0.16	-0.05	-1.88e-04	0.0	1.07e-05
621	76	0.05	0.01	-0.07	-6.82e-06	0.0	-1.92e-06
621	122	1.49	-0.36	-0.06	4.23e-04	0.0	-4.04e-05
621	137	0.17	1.22	0.04	-1.44e-03	0.0	1.51e-04
621	140	-0.12	-1.16	-0.11	1.39e-03	0.0	-1.50e-04
621	154	1.67	-0.41	-0.06	4.83e-04	0.0	-4.59e-05
621	169	0.19	1.37	0.05	-1.63e-03	0.0	1.71e-04
621	172	-0.14	-1.32	-0.12	1.57e-03	0.0	-1.70e-04
621	186	1.65	-0.42	-0.06	4.99e-04	0.0	-4.81e-05

621	193	0.03	1.41	0.05	-1.67e-03	0.0	2.05e-04
621	204	-0.14	-1.36	-0.12	1.62e-03	0.0	-1.75e-04
621	218	1.91	-0.51	-0.06	6.04e-04	0.0	-5.82e-05
621	225	0.03	1.69	0.07	-2.01e-03	0.0	2.46e-04
621	228	0.02	-1.64	-0.14	1.95e-03	0.0	-2.45e-04
621	261	-0.12	0.03	-0.03	-2.69e-05	0.0	1.80e-06
621	276	0.03	0.11	-0.04	-1.26e-04	0.0	7.21e-06
621	280	0.03	8.45e-03	-0.05	-5.81e-06	0.0	-1.22e-06
621	298	0.03	0.03	-0.04	-2.84e-05	0.0	0.0
621	303	0.04	0.02	-0.04	-2.55e-05	0.0	0.0
621	307	0.03	0.04	-0.04	-4.59e-05	0.0	1.73e-06
621	310	0.02	0.03	-0.04	-2.66e-05	0.0	0.0
622	45	-0.28	0.05	-0.04	-3.18e-05	0.0	3.36e-06
622	68	0.06	0.26	-0.07	-2.02e-04	0.0	1.06e-05
622	76	0.06	0.01	-0.10	-2.06e-06	0.0	-2.29e-06
622	122	2.26	-0.58	-0.08	4.72e-04	0.0	-4.70e-05
622	137	0.26	1.99	0.04	-1.61e-03	0.0	1.69e-04
622	140	-0.20	-1.91	-0.15	1.55e-03	0.0	-1.68e-04
622	154	2.53	-0.67	-0.08	5.38e-04	0.0	-5.34e-05
622	169	0.29	2.24	0.06	-1.81e-03	0.0	1.91e-04
622	172	-0.23	-2.16	-0.17	1.76e-03	0.0	-1.90e-04
622	186	2.49	-0.69	-0.08	5.56e-04	0.0	-5.59e-05
622	193	0.05	2.30	0.06	-1.86e-03	0.0	2.41e-04
622	204	-0.23	-2.22	-0.17	1.81e-03	0.0	-1.95e-04
622	218	2.89	-0.83	-0.09	6.73e-04	0.0	-6.77e-05
622	225	0.05	2.77	0.08	-2.24e-03	0.0	2.90e-04
622	228	0.02	-2.69	-0.19	2.18e-03	0.0	-2.89e-04
622	261	-0.18	0.04	-0.04	-2.73e-05	0.0	2.44e-06
622	276	0.04	0.18	-0.05	-1.36e-04	0.0	7.13e-06
622	280	0.04	0.01	-0.07	-2.59e-06	0.0	-1.46e-06
622	298	0.03	0.04	-0.06	-2.80e-05	0.0	0.0
622	303	0.05	0.04	-0.05	-2.51e-05	0.0	0.0
622	307	0.03	0.07	-0.05	-4.76e-05	0.0	1.54e-06
622	310	0.03	0.04	-0.05	-2.63e-05	0.0	0.0
623	28	-0.03	0.03	-0.04	-5.70e-05	0.0	1.08e-06
623	45	-0.09	0.01	-0.02	-2.86e-05	0.0	0.0
623	68	0.02	0.08	-0.03	-1.71e-04	0.0	2.49e-06
623	122	0.73	-0.16	-0.01	3.68e-04	0.0	1.49e-06
623	128	-0.64	-0.11	-0.04	2.58e-04	0.0	-2.87e-06
623	137	0.09	0.55	-0.01	-1.25e-03	0.0	-2.46e-06
623	154	0.82	-0.19	-0.01	4.20e-04	0.0	1.55e-06
623	160	-0.72	-0.13	-0.04	2.96e-04	0.0	-3.30e-06
623	169	0.10	0.62	-0.01	-1.41e-03	0.0	-2.89e-06
623	186	0.81	-0.19	-0.01	4.33e-04	0.0	1.24e-06
623	192	-0.71	-0.13	-0.04	3.07e-04	0.0	-3.16e-06
623	201	0.10	0.64	-0.01	-1.45e-03	0.0	-3.00e-06
623	218	0.94	-0.23	-0.01	5.25e-04	0.0	1.08e-06
623	224	-0.82	-0.16	-0.04	3.72e-04	0.0	-3.72e-06
623	225	0.01	0.76	-9.39e-03	-1.73e-03	0.0	3.28e-05
623	256	-0.02	0.02	-0.03	-3.92e-05	0.0	0.0
623	261	-0.06	0.01	-0.02	-2.49e-05	0.0	0.0
623	276	0.02	0.05	-0.02	-1.15e-04	0.0	1.75e-06
623	298	0.02	0.01	-0.02	-2.72e-05	0.0	0.0
623	303	0.02	0.01	-0.02	-2.45e-05	0.0	0.0
623	307	0.01	0.02	-0.02	-4.28e-05	0.0	0.0
623	310	0.01	0.01	-0.02	-2.55e-05	0.0	0.0
624	1	0.0	0.0	0.0	-1.63e-05	0.0	0.0
624	113	0.0	0.0	0.0	-6.12e-04	0.0	3.10e-06
624	145	0.0	0.0	0.0	-6.90e-04	0.0	3.47e-06
624	177	0.0	0.0	0.0	-7.11e-04	0.0	3.46e-06
624	209	0.0	0.0	0.0	-8.49e-04	0.0	4.05e-06
624	241	0.0	0.0	0.0	-1.20e-05	0.0	0.0
624	297	0.0	0.0	0.0	-1.49e-05	0.0	0.0
624	309	0.0	0.0	0.0	-1.49e-05	0.0	0.0
625	28	-0.07	0.06	-0.08	-5.78e-05	0.0	3.11e-06
625	45	-0.18	0.03	-0.03	-2.93e-05	0.0	1.65e-06
625	68	0.04	0.16	-0.07	-1.85e-04	0.0	4.36e-06
625	122	1.49	-0.35	-0.03	4.13e-04	0.0	1.85e-06
625	128	-1.30	-0.24	-0.07	3.00e-04	0.0	-4.63e-06
625	137	0.18	1.19	-0.02	-1.41e-03	0.0	-4.78e-06
625	154	1.67	-0.40	-0.03	4.71e-04	0.0	1.78e-06
625	160	-1.47	-0.28	-0.07	3.43e-04	0.0	-5.40e-06
625	169	0.19	1.34	-0.02	-1.59e-03	0.0	-5.67e-06
625	186	1.64	-0.41	-0.03	4.86e-04	0.0	1.14e-06
625	192	-1.44	-0.29	-0.07	3.55e-04	0.0	-5.12e-06

625	201	0.19	1.38	-0.02	-1.63e-03	0.0	-5.88e-06
625	218	1.91	-0.50	-0.02	5.88e-04	0.0	0.0
625	225	0.03	1.64	-0.01	-1.94e-03	0.0	7.17e-05
625	240	-0.31	-1.45	-0.08	1.73e-03	0.0	2.16e-05
625	256	-0.05	0.04	-0.06	-3.97e-05	0.0	2.26e-06
625	261	-0.12	0.02	-0.03	-2.54e-05	0.0	1.77e-06
625	276	0.03	0.11	-0.05	-1.24e-04	0.0	3.10e-06
625	298	0.03	0.03	-0.05	-2.74e-05	0.0	1.72e-06
625	303	0.04	0.02	-0.04	-2.46e-05	0.0	1.74e-06
625	307	0.03	0.04	-0.04	-4.49e-05	0.0	1.89e-06
625	310	0.03	0.03	-0.04	-2.57e-05	0.0	1.74e-06
626	28	-0.11	0.09	-0.12	-5.62e-05	0.0	6.23e-06
626	45	-0.28	0.04	-0.05	-2.90e-05	0.0	3.57e-06
626	68	0.06	0.26	-0.10	-1.99e-04	0.0	6.14e-06
626	122	2.26	-0.57	-0.04	4.64e-04	0.0	0.0
626	137	0.26	1.95	-0.03	-1.59e-03	0.0	-5.65e-06
626	144	-0.36	-1.71	-0.11	1.41e-03	0.0	2.54e-05
626	154	2.53	-0.65	-0.04	5.29e-04	0.0	-1.32e-06
626	169	0.29	2.20	-0.02	-1.80e-03	0.0	-6.83e-06
626	176	-0.41	-1.94	-0.11	1.60e-03	0.0	2.82e-05
626	186	2.49	-0.67	-0.04	5.46e-04	0.0	-2.22e-06
626	201	0.29	2.25	-0.02	-1.84e-03	0.0	-7.01e-06
626	208	-0.41	-1.99	-0.11	1.65e-03	0.0	2.82e-05
626	218	2.89	-0.81	-0.04	6.61e-04	0.0	-3.92e-06
626	225	0.05	2.68	-0.02	-2.19e-03	0.0	1.10e-04
626	240	-0.48	-2.38	-0.12	1.96e-03	0.0	3.29e-05
626	256	-0.07	0.06	-0.08	-3.86e-05	0.0	4.44e-06
626	261	-0.18	0.04	-0.05	-2.50e-05	0.0	3.46e-06
626	276	0.04	0.18	-0.07	-1.34e-04	0.0	4.39e-06
626	298	0.04	0.04	-0.07	-2.62e-05	0.0	3.16e-06
626	303	0.05	0.04	-0.06	-2.35e-05	0.0	3.08e-06
626	307	0.04	0.07	-0.06	-4.59e-05	0.0	3.20e-06
626	310	0.03	0.04	-0.07	-2.45e-05	0.0	3.13e-06
627	45	-3.18	-0.11	-0.04	0.0	-7.11e-04	-5.60e-03
627	69	2.50e-04	0.14	0.01	0.0	0.0	-6.83e-05
627	92	0.04	-0.12	-0.09	0.0	2.06e-05	-3.34e-05
627	122	2.12	-0.48	-0.14	0.0	1.40e-03	1.49e-04
627	132	0.33	-1.83	-0.43	0.0	2.15e-04	-3.28e-04
627	140	-2.45e-03	-1.78	-0.44	0.0	-1.59e-05	1.30e-04
627	154	2.38	-0.54	-0.15	0.0	1.57e-03	1.72e-04
627	164	0.38	-2.06	-0.49	0.0	2.43e-04	-3.64e-04
627	172	-5.13e-03	-2.01	-0.49	0.0	-1.89e-05	1.52e-04
627	186	2.35	-0.56	-0.16	0.0	1.55e-03	1.66e-04
627	196	0.39	-2.14	-0.50	0.0	2.51e-04	-3.57e-04
627	218	2.73	-0.67	-0.18	0.0	1.80e-03	1.98e-04
627	228	0.46	-2.57	-0.60	0.0	3.02e-04	-4.11e-04
627	261	-2.11	-0.08	-0.04	0.0	-4.72e-04	-3.74e-03
627	264	-2.10	-0.09	-0.05	0.0	-4.66e-04	-3.76e-03
627	288	0.03	-0.08	-0.06	0.0	1.42e-05	-2.48e-05
627	304	-0.41	-0.03	-0.04	0.0	-8.88e-05	-7.69e-04
627	305	-0.40	-0.04	-0.04	0.0	-8.53e-05	-7.79e-04
627	310	0.02	-0.02	-0.04	0.0	1.04e-05	-3.57e-05
628	44	-0.96	0.43	-0.19	0.0	-2.00e-04	-1.23e-03
628	52	-0.10	0.82	-0.31	0.0	-7.08e-05	-6.44e-05
628	68	-0.08	1.05	-0.30	0.0	-5.82e-05	-5.82e-05
628	123	-6.84	2.65	0.10	0.0	-1.24e-03	-9.79e-05
628	129	0.03	7.92	-0.70	0.0	-9.01e-06	2.07e-04
628	141	1.14	7.07	-0.74	0.0	4.24e-04	-5.38e-05
628	155	-7.68	2.97	0.14	0.0	-1.39e-03	-1.05e-04
628	161	0.04	8.95	-0.77	0.0	-5.11e-06	2.38e-04
628	173	1.29	7.98	-0.82	0.0	4.82e-04	-5.65e-05
628	187	-7.56	3.07	0.12	0.0	-1.37e-03	-9.77e-05
628	193	0.04	9.28	-0.79	0.0	-4.52e-06	2.41e-04
628	205	1.29	8.19	-0.83	0.0	4.69e-04	-5.58e-05
628	219	-8.78	3.64	0.16	0.0	-1.58e-03	-1.05e-04
628	225	0.05	11.14	-0.91	0.0	0.0	2.94e-04
628	237	1.52	9.71	-0.95	0.0	5.51e-04	-5.98e-05
628	264	-0.64	0.30	-0.14	0.0	-1.36e-04	-8.23e-04
628	268	-0.07	0.56	-0.22	0.0	-4.93e-05	-4.47e-05
628	276	-0.05	0.71	-0.21	0.0	-4.09e-05	-4.06e-05
628	305	-0.18	0.22	-0.15	0.0	-5.85e-05	-1.90e-04
628	307	-0.06	0.30	-0.16	0.0	-3.95e-05	-3.34e-05
628	310	-0.06	0.21	-0.16	0.0	-4.02e-05	-3.28e-05
629	45	-3.37	-0.14	-0.05	0.0	-5.27e-05	-5.82e-03
629	69	-1.53e-03	0.21	0.01	0.0	-2.55e-06	-8.45e-05

629	92	0.05	-0.15	-0.10	0.0	1.16e-05	-3.46e-05
629	122	2.82	-0.68	-0.17	0.0	1.40e-03	1.25e-04
629	132	0.44	-2.62	-0.52	0.0	2.11e-04	-3.96e-04
629	140	-0.01	-2.57	-0.53	0.0	-2.49e-05	1.65e-04
629	154	3.16	-0.76	-0.18	0.0	1.57e-03	1.46e-04
629	164	0.49	-2.96	-0.59	0.0	2.38e-04	-4.41e-04
629	172	-0.01	-2.90	-0.59	0.0	-2.84e-05	1.91e-04
629	186	3.12	-0.79	-0.19	0.0	1.55e-03	1.41e-04
629	196	0.51	-3.07	-0.61	0.0	2.47e-04	-4.31e-04
629	218	3.63	-0.95	-0.22	0.0	1.80e-03	1.70e-04
629	228	0.61	-3.70	-0.72	0.0	2.98e-04	-4.96e-04
629	261	-2.24	-0.10	-0.05	0.0	-3.39e-05	-3.89e-03
629	273	5.75e-03	0.13	-5.39e-03	0.0	0.0	-6.72e-05
629	288	0.04	-0.10	-0.07	0.0	7.94e-06	-2.59e-05
629	298	0.03	-0.03	-0.05	0.0	5.15e-06	-4.24e-05
629	304	-0.43	-0.04	-0.04	0.0	-4.18e-06	-8.02e-04
629	305	-0.43	-0.04	-0.05	0.0	-2.54e-06	-8.13e-04
629	310	0.03	-0.03	-0.05	0.0	4.87e-06	-4.06e-05
630	44	-1.05	0.54	-0.20	0.0	-1.73e-04	-1.22e-03
630	52	-0.14	0.99	-0.32	0.0	-9.37e-05	-7.87e-05
630	68	-0.10	1.23	-0.31	0.0	-7.87e-05	-7.11e-05
630	123	-7.47	3.01	0.10	0.0	-1.20e-03	-6.66e-05
630	129	0.03	8.98	-0.72	0.0	-2.81e-05	2.05e-04
630	141	1.23	8.04	-0.76	0.0	1.54e-04	-7.05e-05
630	155	-8.39	3.37	0.13	0.0	-1.35e-03	-6.90e-05
630	161	0.04	10.14	-0.79	0.0	-2.53e-05	2.37e-04
630	173	1.40	9.06	-0.84	0.0	1.80e-04	-7.42e-05
630	187	-8.25	3.48	0.12	0.0	-1.33e-03	-6.04e-05
630	193	0.04	10.52	-0.81	0.0	-2.55e-05	2.40e-04
630	205	1.40	9.31	-0.86	0.0	1.80e-04	-7.20e-05
630	219	-9.58	4.13	0.15	0.0	-1.53e-03	-6.07e-05
630	225	0.05	12.62	-0.95	0.0	-2.22e-05	2.93e-04
630	237	1.65	11.03	-0.99	0.0	2.19e-04	-7.67e-05
630	264	-0.70	0.37	-0.14	0.0	-1.18e-04	-8.14e-04
630	268	-0.10	0.68	-0.23	0.0	-6.53e-05	-5.45e-05
630	276	-0.07	0.83	-0.22	0.0	-5.52e-05	-4.95e-05
630	305	-0.21	0.29	-0.16	0.0	-6.40e-05	-1.94e-04
630	307	-0.08	0.38	-0.17	0.0	-5.15e-05	-4.06e-05
630	310	-0.08	0.27	-0.16	0.0	-5.20e-05	-3.98e-05
631	44	-0.07	0.03	-0.08	-5.03e-05	0.0	0.0
631	45	-0.09	0.01	-0.05	-2.63e-05	0.0	0.0
631	68	0.03	0.08	-0.06	-1.70e-04	0.0	-4.79e-06
631	122	0.73	-0.18	0.11	3.87e-04	0.0	3.96e-05
631	123	-0.70	0.21	-0.18	-4.32e-04	0.0	-3.84e-05
631	137	0.09	0.60	-0.02	-1.30e-03	0.0	-1.00e-04
631	154	0.81	-0.21	0.13	4.41e-04	0.0	4.47e-05
631	155	-0.78	0.23	-0.20	-4.86e-04	0.0	-4.34e-05
631	169	0.10	0.68	-0.02	-1.47e-03	0.0	-1.14e-04
631	186	0.80	-0.21	0.12	4.54e-04	0.0	4.57e-05
631	187	-0.77	0.24	-0.20	-5.00e-04	0.0	-4.44e-05
631	201	0.10	0.70	-0.02	-1.50e-03	0.0	-1.17e-04
631	218	0.93	-0.26	0.15	5.49e-04	0.0	5.44e-05
631	219	-0.90	0.28	-0.23	-5.94e-04	0.0	-5.32e-05
631	233	0.11	0.83	-0.02	-1.79e-03	0.0	-1.39e-04
631	261	-0.06	0.01	-0.04	-2.25e-05	0.0	0.0
631	264	-0.05	0.02	-0.06	-3.45e-05	0.0	0.0
631	276	0.02	0.05	-0.04	-1.14e-04	0.0	-3.10e-06
631	303	0.02	0.01	-0.04	-2.18e-05	0.0	0.0
631	305	2.40e-03	0.01	-0.04	-2.47e-05	0.0	0.0
631	307	0.02	0.02	-0.04	-4.06e-05	0.0	0.0
631	310	0.02	0.01	-0.04	-2.28e-05	0.0	0.0
632	1	0.0	0.0	0.0	-1.33e-05	0.0	0.0
632	113	0.0	0.0	0.0	-6.40e-04	0.0	0.0
632	145	0.0	0.0	0.0	-7.21e-04	0.0	0.0
632	177	0.0	0.0	0.0	-7.42e-04	0.0	0.0
632	209	0.0	0.0	0.0	-8.85e-04	0.0	0.0
632	241	0.0	0.0	0.0	-9.81e-06	0.0	0.0
632	297	0.0	0.0	0.0	-1.28e-05	0.0	0.0
632	309	0.0	0.0	0.0	-1.28e-05	0.0	0.0
633	28	-0.07	0.05	-0.16	-4.98e-05	0.0	3.68e-06
633	45	-0.18	0.03	-0.09	-2.53e-05	0.0	1.77e-06
633	68	0.05	0.17	-0.12	-1.80e-04	0.0	-3.50e-06
633	122	1.48	-0.38	0.18	4.16e-04	0.0	4.04e-05
633	123	-1.43	0.42	-0.33	-4.59e-04	0.0	-3.62e-05
633	137	0.18	1.25	-0.05	-1.42e-03	0.0	-9.51e-05

633	154	1.66	-0.43	0.21	4.74e-04	0.0	4.54e-05
633	155	-1.61	0.48	-0.36	-5.17e-04	0.0	-4.12e-05
633	169	0.20	1.42	-0.04	-1.60e-03	0.0	-1.08e-04
633	186	1.64	-0.44	0.21	4.89e-04	0.0	4.60e-05
633	187	-1.58	0.49	-0.36	-5.32e-04	0.0	-4.18e-05
633	201	0.20	1.45	-0.04	-1.64e-03	0.0	-1.11e-04
633	218	1.90	-0.53	0.25	5.90e-04	0.0	5.43e-05
633	219	-1.85	0.58	-0.41	-6.34e-04	0.0	-5.01e-05
633	233	0.23	1.72	-0.04	-1.95e-03	0.0	-1.33e-04
633	256	-0.04	0.04	-0.11	-3.41e-05	0.0	2.66e-06
633	261	-0.12	0.02	-0.08	-2.16e-05	0.0	1.93e-06
633	276	0.03	0.11	-0.08	-1.21e-04	0.0	-2.13e-06
633	303	0.04	0.02	-0.07	-2.07e-05	0.0	2.11e-06
633	305	9.01e-04	0.03	-0.08	-2.36e-05	0.0	2.08e-06
633	307	0.03	0.04	-0.08	-4.11e-05	0.0	1.14e-06
633	310	0.03	0.02	-0.08	-2.17e-05	0.0	2.10e-06
634	28	-0.11	0.08	-0.25	-4.51e-05	0.0	1.02e-05
634	45	-0.28	0.04	-0.12	-2.34e-05	0.0	4.82e-06
634	68	0.06	0.26	-0.18	-1.91e-04	0.0	2.51e-06
634	122	2.26	-0.59	0.22	4.54e-04	0.0	3.13e-05
634	123	-2.19	0.66	-0.45	-4.93e-04	0.0	-2.07e-05
634	137	0.27	2.00	-0.01	-1.57e-03	0.0	-6.14e-05
634	154	2.54	-0.68	0.26	5.17e-04	0.0	3.45e-05
634	155	-2.47	0.74	-0.50	-5.55e-04	0.0	-2.40e-05
634	169	0.30	2.26	-7.70e-04	-1.78e-03	0.0	-7.03e-05
634	186	2.50	-0.70	0.25	5.34e-04	0.0	3.42e-05
634	187	-2.43	0.76	-0.49	-5.73e-04	0.0	-2.37e-05
634	201	0.30	2.31	-3.94e-03	-1.82e-03	0.0	-7.25e-05
634	218	2.90	-0.84	0.31	6.45e-04	0.0	3.95e-05
634	219	-2.83	0.91	-0.55	-6.84e-04	0.0	-2.89e-05
634	233	0.34	2.75	0.01	-2.16e-03	0.0	-8.75e-05
634	256	-0.07	0.05	-0.17	-3.09e-05	0.0	7.20e-06
634	261	-0.18	0.03	-0.11	-1.99e-05	0.0	4.80e-06
634	276	0.05	0.17	-0.13	-1.28e-04	0.0	2.07e-06
634	298	0.04	0.04	-0.13	-2.07e-05	0.0	5.46e-06
634	303	0.06	0.03	-0.12	-1.84e-05	0.0	5.23e-06
634	307	0.04	0.06	-0.12	-4.07e-05	0.0	4.43e-06
634	310	0.04	0.03	-0.12	-1.93e-05	0.0	5.29e-06
635	45	-0.38	0.07	-0.03	-3.52e-05	0.0	2.83e-06
635	52	0.06	0.26	-0.12	-1.46e-04	0.0	-1.90e-05
635	68	0.05	0.37	-0.11	-2.03e-04	0.0	-1.83e-05
635	122	3.00	-1.02	-0.13	5.09e-04	0.0	-3.28e-05
635	129	0.06	3.23	-0.19	-1.71e-03	0.0	-6.31e-05
635	141	0.55	2.88	-0.20	-1.53e-03	0.0	-5.05e-05
635	154	3.36	-1.15	-0.14	5.79e-04	0.0	-3.57e-05
635	161	0.06	3.66	-0.21	-1.93e-03	0.0	-7.00e-05
635	173	0.62	3.25	-0.22	-1.73e-03	0.0	-5.54e-05
635	186	3.31	-1.19	-0.13	5.99e-04	0.0	-3.48e-05
635	193	0.06	3.80	-0.21	-2.01e-03	0.0	-7.07e-05
635	205	0.62	3.34	-0.22	-1.78e-03	0.0	-5.27e-05
635	218	3.84	-1.44	-0.14	7.25e-04	0.0	-3.83e-05
635	225	0.06	4.57	-0.24	-2.41e-03	0.0	-8.31e-05
635	237	0.72	3.97	-0.25	-2.11e-03	0.0	-5.97e-05
635	261	-0.25	0.06	-0.04	-2.93e-05	0.0	0.0
635	268	0.04	0.18	-0.08	-9.84e-05	0.0	-1.32e-05
635	276	0.04	0.25	-0.08	-1.36e-04	0.0	-1.27e-05
635	298	0.03	0.04	-0.07	-2.72e-05	0.0	-9.56e-06
635	303	0.06	0.04	-0.06	-2.40e-05	0.0	-9.67e-06
635	307	0.03	0.08	-0.07	-4.70e-05	0.0	-9.55e-06
635	310	0.03	0.04	-0.06	-2.54e-05	0.0	-9.09e-06
636	45	-0.47	0.09	-0.04	-3.60e-05	0.0	4.20e-06
636	52	0.04	0.34	-0.15	-1.53e-04	0.0	-1.58e-05
636	68	0.04	0.47	-0.14	-2.11e-04	0.0	-1.61e-05
636	122	3.69	-1.27	-0.16	3.90e-04	0.0	-1.79e-05
636	129	0.06	4.10	-0.24	-1.74e-03	0.0	-7.29e-05
636	141	0.67	3.66	-0.25	-1.61e-03	0.0	-5.04e-05
636	154	4.15	-1.44	-0.17	4.46e-04	0.0	-1.91e-05
636	161	0.07	4.64	-0.26	-1.97e-03	0.0	-8.15e-05
636	173	0.75	4.14	-0.28	-1.81e-03	0.0	-5.56e-05
636	186	4.08	-1.49	-0.17	4.68e-04	0.0	-1.80e-05
636	193	0.06	4.82	-0.27	-2.04e-03	0.0	-8.31e-05
636	205	0.75	4.25	-0.28	-1.86e-03	0.0	-5.27e-05
636	218	4.74	-1.80	-0.18	5.72e-04	0.0	-1.88e-05
636	225	0.06	5.79	-0.31	-2.46e-03	0.0	-9.88e-05
636	237	0.88	5.05	-0.32	-2.21e-03	0.0	-5.99e-05

636	261	-0.31	0.07	-0.05	-3.04e-05	0.0	0.0
636	268	0.03	0.23	-0.11	-1.03e-04	0.0	-1.09e-05
636	276	0.03	0.32	-0.10	-1.42e-04	0.0	-1.11e-05
636	298	0.02	0.06	-0.08	-2.96e-05	0.0	-7.29e-06
636	304	-0.05	0.04	-0.06	-1.91e-05	0.0	-3.70e-06
636	307	0.02	0.11	-0.08	-4.99e-05	0.0	-7.57e-06
636	310	0.02	0.05	-0.08	-2.77e-05	0.0	-6.95e-06
637	45	-0.38	0.07	-0.04	-3.37e-05	0.0	3.09e-06
637	52	0.06	0.27	-0.11	-1.44e-04	0.0	-1.23e-05
637	68	0.06	0.38	-0.10	-2.01e-04	0.0	-9.42e-06
637	122	3.00	-0.98	-0.10	5.07e-04	0.0	-8.48e-05
637	129	0.06	3.19	-0.12	-1.69e-03	0.0	1.50e-04
637	141	0.55	2.87	-0.13	-1.53e-03	0.0	6.98e-05
637	154	3.37	-1.11	-0.10	5.77e-04	0.0	-9.47e-05
637	161	0.06	3.61	-0.13	-1.91e-03	0.0	1.71e-04
637	173	0.62	3.24	-0.14	-1.73e-03	0.0	8.00e-05
637	186	3.32	-1.15	-0.10	5.97e-04	0.0	-9.55e-05
637	193	0.06	3.74	-0.13	-1.98e-03	0.0	1.76e-04
637	205	0.62	3.33	-0.14	-1.78e-03	0.0	8.23e-05
637	218	3.85	-1.39	-0.10	7.22e-04	0.0	-1.12e-04
637	225	0.06	4.50	-0.15	-2.38e-03	0.0	2.13e-04
637	237	0.72	3.96	-0.15	-2.11e-03	0.0	9.96e-05
637	261	-0.25	0.06	-0.04	-2.78e-05	0.0	0.0
637	268	0.04	0.18	-0.08	-9.67e-05	0.0	-8.65e-06
637	276	0.04	0.25	-0.07	-1.35e-04	0.0	-6.75e-06
637	298	0.03	0.05	-0.06	-2.55e-05	0.0	-8.02e-06
637	303	0.06	0.04	-0.06	-2.24e-05	0.0	-8.19e-06
637	307	0.03	0.09	-0.06	-4.55e-05	0.0	-7.26e-06
637	310	0.03	0.05	-0.06	-2.38e-05	0.0	-7.64e-06
638	45	-0.47	0.08	-0.05	-3.37e-05	0.0	4.73e-06
638	52	0.05	0.34	-0.15	-1.47e-04	0.0	-9.68e-06
638	68	0.05	0.48	-0.14	-2.07e-04	0.0	-8.35e-06
638	122	3.70	-1.23	-0.12	5.16e-04	0.0	-7.79e-05
638	129	0.07	4.05	-0.16	-1.73e-03	0.0	1.58e-04
638	141	0.67	3.65	-0.16	-1.57e-03	0.0	6.00e-05
638	154	4.16	-1.40	-0.13	5.87e-04	0.0	-8.72e-05
638	161	0.07	4.58	-0.17	-1.96e-03	0.0	1.80e-04
638	173	0.76	4.12	-0.17	-1.78e-03	0.0	6.85e-05
638	186	4.09	-1.45	-0.13	6.07e-04	0.0	-8.79e-05
638	193	0.07	4.75	-0.17	-2.03e-03	0.0	1.84e-04
638	205	0.76	4.24	-0.18	-1.82e-03	0.0	6.99e-05
638	218	4.76	-1.75	-0.13	7.35e-04	0.0	-1.03e-04
638	225	0.07	5.71	-0.19	-2.44e-03	0.0	2.21e-04
638	237	0.88	5.03	-0.19	-2.17e-03	0.0	8.42e-05
638	261	-0.31	0.07	-0.05	-2.79e-05	0.0	1.66e-06
638	268	0.03	0.23	-0.11	-9.93e-05	0.0	-6.80e-06
638	276	0.03	0.32	-0.10	-1.39e-04	0.0	-5.91e-06
638	298	0.02	0.06	-0.09	-2.59e-05	0.0	-5.71e-06
638	303	0.05	0.05	-0.08	-2.27e-05	0.0	-6.01e-06
638	307	0.02	0.11	-0.08	-4.66e-05	0.0	-5.39e-06
638	310	0.02	0.06	-0.08	-2.42e-05	0.0	-5.45e-06
639	45	-0.38	0.07	-0.04	-3.21e-05	0.0	3.15e-06
639	52	0.07	0.27	-0.12	-1.43e-04	0.0	-5.11e-06
639	68	0.06	0.38	-0.10	-2.02e-04	0.0	0.0
639	122	3.01	-0.93	-0.08	5.09e-04	0.0	-9.72e-05
639	125	2.74	0.76	-0.09	-4.17e-04	0.0	1.95e-05
639	129	0.06	3.09	-0.08	-1.69e-03	0.0	2.39e-04
639	154	3.38	-1.06	-0.09	5.79e-04	0.0	-1.09e-04
639	157	3.08	0.85	-0.09	-4.70e-04	0.0	2.31e-05
639	161	0.07	3.49	-0.09	-1.91e-03	0.0	2.72e-04
639	186	3.33	-1.09	-0.08	5.99e-04	0.0	-1.11e-04
639	189	3.03	0.88	-0.09	-4.84e-04	0.0	2.52e-05
639	193	0.06	3.62	-0.09	-1.98e-03	0.0	2.81e-04
639	218	3.86	-1.32	-0.09	7.24e-04	0.0	-1.32e-04
639	221	3.52	1.04	-0.10	-5.74e-04	0.0	3.20e-05
639	225	0.06	4.35	-0.09	-2.38e-03	0.0	3.39e-04
639	261	-0.24	0.06	-0.04	-2.65e-05	0.0	0.0
639	268	0.05	0.19	-0.08	-9.62e-05	0.0	-3.80e-06
639	276	0.04	0.26	-0.07	-1.35e-04	0.0	0.0
639	298	0.03	0.05	-0.07	-2.43e-05	0.0	-6.42e-06
639	303	0.06	0.05	-0.07	-2.13e-05	0.0	-6.61e-06
639	307	0.03	0.09	-0.07	-4.47e-05	0.0	-4.82e-06
639	310	0.03	0.05	-0.07	-2.27e-05	0.0	-6.13e-06
640	45	-0.47	0.08	-0.05	-3.12e-05	0.0	4.31e-06
640	52	0.05	0.35	-0.16	-1.44e-04	0.0	-5.67e-06

640	68	0.05	0.48	-0.14	-2.05e-04	0.0	-2.31e-06
640	122	3.72	-1.19	-0.11	5.28e-04	0.0	-8.78e-05
640	125	3.39	0.97	-0.12	-4.33e-04	0.0	1.17e-05
640	129	0.07	3.95	-0.11	-1.75e-03	0.0	2.22e-04
640	154	4.18	-1.36	-0.11	6.01e-04	0.0	-9.85e-05
640	157	3.81	1.09	-0.12	-4.88e-04	0.0	1.41e-05
640	161	0.08	4.47	-0.11	-1.98e-03	0.0	2.52e-04
640	186	4.11	-1.40	-0.11	6.21e-04	0.0	-1.00e-04
640	189	3.75	1.13	-0.12	-5.03e-04	0.0	1.58e-05
640	193	0.07	4.64	-0.11	-2.05e-03	0.0	2.60e-04
640	218	4.78	-1.69	-0.11	7.50e-04	0.0	-1.19e-04
640	221	4.35	1.33	-0.13	-5.97e-04	0.0	2.05e-05
640	225	0.07	5.57	-0.12	-2.47e-03	0.0	3.13e-04
640	261	-0.31	0.07	-0.06	-2.54e-05	0.0	1.46e-06
640	268	0.04	0.23	-0.11	-9.66e-05	0.0	-4.12e-06
640	276	0.03	0.32	-0.10	-1.38e-04	0.0	-1.88e-06
640	298	0.02	0.06	-0.09	-2.24e-05	0.0	-5.38e-06
640	303	0.06	0.06	-0.09	-1.95e-05	0.0	-5.67e-06
640	307	0.02	0.11	-0.09	-4.38e-05	0.0	-4.37e-06
640	310	0.02	0.06	-0.09	-2.09e-05	0.0	-5.15e-06
641	45	-0.38	0.06	-0.04	-3.13e-05	0.0	3.47e-06
641	68	0.06	0.38	-0.11	-2.05e-04	0.0	6.76e-06
641	76	0.06	0.01	-0.12	6.77e-06	0.0	-1.04e-05
641	122	3.03	-0.88	-0.08	5.13e-04	0.0	-9.38e-05
641	137	0.35	2.95	-0.05	-1.71e-03	0.0	2.22e-04
641	138	0.97	-2.43	-0.09	1.43e-03	0.0	-1.74e-04
641	154	3.40	-1.00	-0.08	5.84e-04	0.0	-1.06e-04
641	169	0.38	3.33	-0.05	-1.94e-03	0.0	2.51e-04
641	170	1.09	-2.76	-0.09	1.62e-03	0.0	-1.97e-04
641	186	3.34	-1.03	-0.08	6.04e-04	0.0	-1.08e-04
641	193	0.07	3.45	-0.05	-2.00e-03	0.0	3.22e-04
641	202	1.06	-2.83	-0.09	1.66e-03	0.0	-2.02e-04
641	218	3.88	-1.25	-0.08	7.30e-04	0.0	-1.29e-04
641	225	0.07	4.14	-0.04	-2.40e-03	0.0	3.89e-04
641	234	1.22	-3.38	-0.10	1.98e-03	0.0	-2.40e-04
641	261	-0.24	0.05	-0.05	-2.60e-05	0.0	1.33e-06
641	276	0.04	0.25	-0.07	-1.38e-04	0.0	4.27e-06
641	280	0.04	0.01	-0.09	3.53e-06	0.0	-7.16e-06
641	298	0.04	0.06	-0.07	-2.44e-05	0.0	-4.01e-06
641	303	0.06	0.05	-0.07	-2.15e-05	0.0	-4.21e-06
641	307	0.03	0.09	-0.07	-4.53e-05	0.0	-2.15e-06
641	310	0.03	0.05	-0.07	-2.28e-05	0.0	-3.81e-06
642	45	-0.47	0.08	-0.06	-2.90e-05	0.0	3.88e-06
642	68	0.06	0.48	-0.14	-2.07e-04	0.0	0.0
642	76	0.05	7.04e-03	-0.16	1.69e-05	0.0	-1.03e-05
642	122	3.75	-1.14	-0.10	5.43e-04	0.0	-8.64e-05
642	137	1.20	3.84	-0.07	-1.80e-03	0.0	1.80e-04
642	138	0.42	-3.18	-0.12	1.51e-03	0.0	-1.29e-04
642	154	4.21	-1.30	-0.10	6.17e-04	0.0	-9.71e-05
642	169	1.34	4.33	-0.06	-2.03e-03	0.0	2.04e-04
642	170	0.47	-3.61	-0.12	1.71e-03	0.0	-1.45e-04
642	186	4.15	-1.35	-0.10	6.38e-04	0.0	-9.93e-05
642	193	0.08	4.49	-0.06	-2.10e-03	0.0	2.90e-04
642	202	0.47	-3.70	-0.12	1.76e-03	0.0	-1.50e-04
642	218	4.82	-1.63	-0.11	7.70e-04	0.0	-1.18e-04
642	225	0.08	5.39	-0.06	-2.52e-03	0.0	3.49e-04
642	234	0.55	-4.42	-0.13	2.10e-03	0.0	-1.78e-04
642	261	-0.31	0.07	-0.06	-2.33e-05	0.0	1.38e-06
642	276	0.04	0.32	-0.10	-1.39e-04	0.0	0.0
642	280	0.03	7.66e-03	-0.11	1.05e-05	0.0	-7.19e-06
642	298	0.03	0.07	-0.09	-2.00e-05	0.0	-4.79e-06
642	303	0.06	0.06	-0.09	-1.72e-05	0.0	-5.03e-06
642	307	0.03	0.11	-0.09	-4.22e-05	0.0	-3.51e-06
642	310	0.03	0.06	-0.09	-1.86e-05	0.0	-4.57e-06
643	45	-0.38	0.06	-0.05	-3.08e-05	0.0	4.65e-06
643	68	0.07	0.37	-0.10	-2.10e-04	0.0	8.41e-06
643	76	0.07	0.02	-0.13	6.25e-06	0.0	-1.60e-06
643	122	3.04	-0.83	-0.09	5.16e-04	0.0	-4.79e-05
643	137	0.35	2.84	0.04	-1.74e-03	0.0	1.61e-04
643	140	-0.28	-2.73	-0.19	1.70e-03	0.0	-1.60e-04
643	154	3.41	-0.95	-0.10	5.87e-04	0.0	-5.44e-05
643	169	0.39	3.21	0.06	-1.97e-03	0.0	1.82e-04
643	172	-0.32	-3.10	-0.20	1.92e-03	0.0	-1.81e-04
643	186	3.36	-0.98	-0.10	6.07e-04	0.0	-5.71e-05
643	193	0.07	3.29	0.06	-2.02e-03	0.0	2.48e-04

643	204	-0.32	-3.18	-0.21	1.98e-03	0.0	-1.85e-04
643	218	3.90	-1.19	-0.11	7.34e-04	0.0	-6.91e-05
643	225	0.08	3.96	0.09	-2.43e-03	0.0	2.98e-04
643	236	-0.38	-3.80	-0.23	2.36e-03	0.0	-2.20e-04
643	261	-0.24	0.05	-0.05	-2.59e-05	0.0	3.30e-06
643	276	0.05	0.25	-0.07	-1.41e-04	0.0	5.67e-06
643	280	0.05	0.01	-0.09	3.12e-06	0.0	-1.01e-06
643	298	0.04	0.06	-0.08	-2.53e-05	0.0	0.0
643	303	0.06	0.05	-0.07	-2.25e-05	0.0	0.0
643	307	0.04	0.09	-0.07	-4.66e-05	0.0	1.23e-06
643	310	0.04	0.05	-0.07	-2.37e-05	0.0	0.0
644	45	-0.47	0.08	-0.06	-2.73e-05	0.0	6.88e-06
644	68	0.06	0.48	-0.13	-2.11e-04	0.0	6.66e-06
644	76	0.06	0.01	-0.17	1.98e-05	0.0	1.49e-06
644	122	3.79	-1.10	-0.12	5.51e-04	0.0	-4.24e-05
644	137	1.21	3.76	0.03	-1.84e-03	0.0	1.39e-04
644	140	-1.15	-3.62	-0.22	1.81e-03	0.0	-1.37e-04
644	154	4.26	-1.26	-0.12	6.27e-04	0.0	-4.83e-05
644	169	1.35	4.24	0.05	-2.08e-03	0.0	1.57e-04
644	172	-1.29	-4.11	-0.23	2.05e-03	0.0	-1.54e-04
644	186	4.19	-1.30	-0.12	6.48e-04	0.0	-5.09e-05
644	201	1.32	4.36	0.05	-2.14e-03	0.0	1.60e-04
644	204	-1.25	-4.22	-0.24	2.11e-03	0.0	-1.57e-04
644	218	4.86	-1.57	-0.13	7.82e-04	0.0	-6.19e-05
644	225	0.09	5.23	0.08	-2.57e-03	0.0	2.87e-04
644	236	-1.46	-5.04	-0.26	2.51e-03	0.0	-1.87e-04
644	261	-0.31	0.07	-0.07	-2.21e-05	0.0	5.02e-06
644	276	0.04	0.33	-0.10	-1.41e-04	0.0	4.54e-06
644	280	0.04	0.01	-0.12	1.25e-05	0.0	1.10e-06
644	298	0.03	0.07	-0.10	-1.91e-05	0.0	1.34e-06
644	303	0.06	0.06	-0.09	-1.65e-05	0.0	0.0
644	307	0.03	0.12	-0.09	-4.20e-05	0.0	1.85e-06
644	310	0.03	0.07	-0.09	-1.77e-05	0.0	1.31e-06
645	28	-0.16	0.12	-0.16	-4.96e-05	0.0	1.08e-05
645	45	-0.38	0.06	-0.06	-2.68e-05	0.0	6.34e-06
645	68	0.07	0.37	-0.13	-2.07e-04	0.0	8.12e-06
645	122	3.05	-0.82	-0.06	5.09e-04	0.0	-6.54e-06
645	137	0.99	2.80	-0.04	-1.74e-03	0.0	-3.69e-06
645	144	-1.13	-2.47	-0.14	1.56e-03	0.0	3.34e-05
645	154	3.43	-0.93	-0.06	5.80e-04	0.0	-8.15e-06
645	169	1.10	3.16	-0.03	-1.97e-03	0.0	-4.84e-06
645	176	-1.27	-2.80	-0.15	1.77e-03	0.0	3.69e-05
645	186	3.37	-0.96	-0.06	6.00e-04	0.0	-9.21e-06
645	201	1.07	3.24	-0.03	-2.02e-03	0.0	-4.67e-06
645	208	-1.24	-2.87	-0.15	1.82e-03	0.0	3.65e-05
645	218	3.92	-1.17	-0.06	7.25e-04	0.0	-1.26e-05
645	225	0.08	3.85	-0.02	-2.40e-03	0.0	1.45e-04
645	240	-1.44	-3.43	-0.16	2.17e-03	0.0	4.21e-05
645	256	-0.11	0.08	-0.11	-3.40e-05	0.0	7.57e-06
645	261	-0.24	0.05	-0.06	-2.26e-05	0.0	5.80e-06
645	276	0.05	0.25	-0.10	-1.39e-04	0.0	5.82e-06
645	298	0.04	0.06	-0.09	-2.23e-05	0.0	5.19e-06
645	303	0.07	0.05	-0.09	-1.97e-05	0.0	4.90e-06
645	307	0.04	0.09	-0.09	-4.40e-05	0.0	4.98e-06
645	310	0.04	0.05	-0.09	-2.08e-05	0.0	5.06e-06
646	28	-0.22	0.14	-0.21	-3.76e-05	0.0	1.70e-05
646	45	-0.47	0.07	-0.08	-2.25e-05	0.0	1.00e-05
646	68	0.08	0.48	-0.18	-2.07e-04	0.0	1.08e-05
646	122	3.86	-1.09	-0.08	4.27e-04	0.0	-1.50e-05
646	137	1.24	3.72	-0.05	-1.86e-03	0.0	0.0
646	144	-1.44	-3.29	-0.19	1.72e-03	0.0	4.14e-05
646	154	4.33	-1.24	-0.08	4.86e-04	0.0	-1.80e-05
646	169	1.38	4.20	-0.04	-2.10e-03	0.0	-1.10e-06
646	176	-1.62	-3.74	-0.20	1.95e-03	0.0	4.55e-05
646	186	4.26	-1.28	-0.08	5.08e-04	0.0	-1.94e-05
646	201	1.34	4.31	-0.04	-2.15e-03	0.0	0.0
646	208	-1.58	-3.84	-0.20	2.00e-03	0.0	4.44e-05
646	218	4.95	-1.55	-0.08	6.17e-04	0.0	-2.52e-05
646	225	0.11	5.12	-0.03	-2.56e-03	0.0	1.78e-04
646	240	-1.84	-4.58	-0.21	2.38e-03	0.0	5.07e-05
646	256	-0.15	0.10	-0.15	-2.56e-05	0.0	1.19e-05
646	261	-0.31	0.06	-0.09	-1.81e-05	0.0	8.87e-06
646	276	0.05	0.32	-0.13	-1.39e-04	0.0	7.71e-06
646	298	0.04	0.07	-0.12	-1.54e-05	0.0	8.00e-06
646	303	0.07	0.06	-0.12	-1.32e-05	0.0	7.38e-06

646	307	0.04	0.11	-0.12	-3.88e-05	0.0	7.41e-06
646	310	0.04	0.06	-0.12	-1.43e-05	0.0	7.69e-06
647	45	-3.14	-0.16	-0.05	0.0	5.28e-04	-5.20e-03
647	71	0.01	0.29	-5.83e-04	0.0	-7.25e-06	-1.17e-04
647	92	0.06	-0.18	-0.11	0.0	0.0	-3.07e-05
647	122	3.51	-0.88	-0.19	0.0	1.40e-03	8.29e-05
647	132	0.54	-3.47	-0.59	0.0	2.05e-04	-4.53e-04
647	140	-0.02	-3.41	-0.60	0.0	-3.79e-05	1.93e-04
647	154	3.94	-1.00	-0.21	0.0	1.58e-03	9.81e-05
647	164	0.61	-3.93	-0.67	0.0	2.32e-04	-5.03e-04
647	172	-0.03	-3.86	-0.67	0.0	-4.22e-05	2.23e-04
647	186	3.89	-1.04	-0.21	0.0	1.56e-03	9.50e-05
647	196	0.63	-4.07	-0.69	0.0	2.41e-04	-4.91e-04
647	218	4.52	-1.25	-0.25	0.0	1.81e-03	1.17e-04
647	228	0.76	-4.90	-0.82	0.0	2.93e-04	-5.66e-04
647	261	-2.08	-0.12	-0.05	0.0	3.52e-04	-3.48e-03
647	275	0.02	0.19	-0.02	0.0	-5.32e-06	-8.94e-05
647	288	0.04	-0.12	-0.08	0.0	0.0	-2.35e-05
647	298	0.03	-0.02	-0.05	0.0	-2.25e-06	-4.38e-05
647	304	-0.40	-0.04	-0.05	0.0	6.92e-05	-7.21e-04
647	308	0.02	-0.04	-0.05	0.0	-1.08e-06	-2.65e-05
647	309	0.02	-0.02	-0.04	0.0	-1.39e-06	-3.10e-05
647	310	0.03	-0.02	-0.05	0.0	-2.13e-06	-4.20e-05
648	44	-1.15	0.66	-0.21	0.0	-1.53e-04	-9.96e-04
648	52	-0.19	1.17	-0.33	0.0	-1.23e-04	-7.61e-05
648	68	-0.15	1.42	-0.32	0.0	-1.05e-04	-6.90e-05
648	123	-8.07	2.71	0.09	0.0	-1.13e-03	-3.06e-05
648	129	0.01	10.07	-0.73	0.0	-5.56e-05	2.20e-04
648	141	1.30	9.23	-0.78	0.0	1.19e-04	-8.19e-05
648	155	-9.05	3.03	0.12	0.0	-1.27e-03	-2.88e-05
648	161	0.03	11.36	-0.81	0.0	-5.45e-05	2.53e-04
648	173	1.48	10.40	-0.85	0.0	1.42e-04	-8.72e-05
648	187	-8.91	3.15	0.11	0.0	-1.25e-03	-2.00e-05
648	193	0.02	11.78	-0.83	0.0	-5.59e-05	2.55e-04
648	205	1.48	10.67	-0.87	0.0	1.42e-04	-8.39e-05
648	219	-10.34	3.74	0.14	0.0	-1.44e-03	-1.36e-05
648	225	0.03	14.13	-0.96	0.0	-5.61e-05	3.11e-04
648	237	1.75	12.63	-1.00	0.0	1.77e-04	-9.04e-05
648	264	-0.77	0.45	-0.15	0.0	-1.05e-04	-6.66e-04
648	268	-0.13	0.80	-0.23	0.0	-8.58e-05	-5.27e-05
648	276	-0.11	0.96	-0.23	0.0	-7.36e-05	-4.79e-05
648	305	-0.24	0.36	-0.16	0.0	-7.31e-05	-1.63e-04
648	307	-0.11	0.46	-0.18	0.0	-6.68e-05	-3.90e-05
648	310	-0.11	0.34	-0.17	0.0	-6.71e-05	-3.81e-05
649	28	-0.15	0.10	-0.35	-3.81e-05	0.0	2.01e-05
649	45	-0.37	0.05	-0.16	-2.05e-05	0.0	9.37e-06
649	68	0.08	0.36	-0.27	-1.99e-04	0.0	1.10e-05
649	122	3.04	-0.83	0.21	3.85e-04	0.0	2.71e-05
649	123	-2.95	0.92	-0.56	-4.16e-04	0.0	-6.97e-06
649	137	0.99	2.83	-0.05	-1.71e-03	0.0	-3.56e-05
649	154	3.41	-0.95	0.26	4.38e-04	0.0	2.90e-05
649	155	-3.32	1.03	-0.61	-4.70e-04	0.0	-8.91e-06
649	169	1.10	3.20	-0.04	-1.94e-03	0.0	-4.16e-05
649	186	3.36	-0.98	0.25	4.58e-04	0.0	2.75e-05
649	187	-3.26	1.06	-0.60	-4.90e-04	0.0	-7.43e-06
649	201	1.07	3.28	-0.04	-1.99e-03	0.0	-4.27e-05
649	218	3.90	-1.18	0.32	5.57e-04	0.0	3.03e-05
649	219	-3.80	1.27	-0.67	-5.89e-04	0.0	-1.02e-05
649	233	1.24	3.89	-0.02	-2.36e-03	0.0	-5.29e-05
649	256	-0.10	0.07	-0.24	-2.60e-05	0.0	1.40e-05
649	261	-0.24	0.04	-0.15	-1.72e-05	0.0	9.00e-06
649	276	0.06	0.24	-0.19	-1.33e-04	0.0	7.97e-06
649	298	0.05	0.05	-0.18	-1.69e-05	0.0	1.05e-05
649	303	0.07	0.04	-0.17	-1.49e-05	0.0	9.87e-06
649	307	0.05	0.08	-0.17	-3.89e-05	0.0	9.31e-06
649	310	0.05	0.04	-0.17	-1.58e-05	0.0	1.00e-05
650	28	-0.17	0.11	-0.48	-3.18e-05	0.0	3.25e-05
650	45	-0.49	0.06	-0.20	-1.79e-05	0.0	1.47e-05
650	68	0.15	0.46	-0.39	-2.04e-04	0.0	2.06e-05
650	122	4.11	-1.09	0.15	4.18e-04	0.0	2.14e-05
650	123	-3.96	1.18	-0.65	-4.43e-04	0.0	1.05e-05
650	137	1.34	3.74	-0.12	-1.81e-03	0.0	-1.95e-05
650	154	4.61	-1.24	0.20	4.76e-04	0.0	2.20e-05
650	155	-4.46	1.33	-0.70	-5.01e-04	0.0	9.90e-06
650	169	1.50	4.22	-0.10	-2.05e-03	0.0	-2.41e-05

650	186	4.54	-1.28	0.20	4.96e-04	0.0	2.15e-05
650	187	-4.38	1.37	-0.69	-5.21e-04	0.0	1.05e-05
650	201	1.46	4.33	-0.11	-2.10e-03	0.0	-2.43e-05
650	218	5.26	-1.54	0.27	6.02e-04	0.0	2.24e-05
650	219	-5.11	1.64	-0.76	-6.27e-04	0.0	9.55e-06
650	233	1.68	5.15	-0.09	-2.50e-03	0.0	-3.19e-05
650	256	-0.11	0.08	-0.34	-2.17e-05	0.0	2.26e-05
650	261	-0.31	0.05	-0.20	-1.47e-05	0.0	1.39e-05
650	276	0.10	0.31	-0.27	-1.37e-04	0.0	1.46e-05
650	298	0.08	0.05	-0.26	-1.35e-05	0.0	1.68e-05
650	303	0.11	0.05	-0.24	-1.18e-05	0.0	1.57e-05
650	307	0.08	0.10	-0.25	-3.70e-05	0.0	1.53e-05
650	310	0.08	0.05	-0.25	-1.26e-05	0.0	1.60e-05
651	45	-0.55	0.10	-0.05	-3.68e-05	0.0	6.25e-06
651	52	0.01	0.41	-0.20	-1.58e-04	0.0	-9.83e-06
651	68	0.02	0.57	-0.18	-2.16e-04	0.0	-1.18e-05
651	122	4.25	-1.50	-0.20	3.96e-04	0.0	0.0
651	129	0.05	4.90	-0.29	-1.76e-03	0.0	-7.28e-05
651	141	0.75	4.38	-0.31	-1.62e-03	0.0	-4.49e-05
651	154	4.77	-1.70	-0.21	4.53e-04	0.0	0.0
651	161	0.06	5.54	-0.32	-1.99e-03	0.0	-8.19e-05
651	173	0.85	4.95	-0.34	-1.83e-03	0.0	-4.98e-05
651	186	4.70	-1.76	-0.21	4.74e-04	0.0	0.0
651	193	0.05	5.75	-0.33	-2.07e-03	0.0	-8.39e-05
651	205	0.85	5.08	-0.34	-1.88e-03	0.0	-4.63e-05
651	218	5.46	-2.12	-0.22	5.80e-04	0.0	2.39e-06
651	225	0.05	6.91	-0.37	-2.48e-03	0.0	-1.01e-04
651	237	0.99	6.04	-0.38	-2.23e-03	0.0	-5.27e-05
651	261	-0.37	0.08	-0.06	-3.13e-05	0.0	3.29e-06
651	268	7.83e-03	0.27	-0.14	-1.06e-04	0.0	-6.74e-06
651	276	0.01	0.38	-0.13	-1.46e-04	0.0	-8.04e-06
651	298	1.54e-03	0.07	-0.11	-3.14e-05	0.0	-3.28e-06
651	304	-0.07	0.05	-0.07	-2.01e-05	0.0	-1.15e-06
651	307	3.10e-03	0.13	-0.11	-5.19e-05	0.0	-4.00e-06
651	310	1.41e-03	0.07	-0.10	-2.94e-05	0.0	-3.13e-06
652	43	-0.65	0.20	-0.17	-1.86e-04	-1.11e-04	1.33e-05
652	52	-0.03	0.48	-0.26	-2.58e-04	-9.08e-05	2.49e-06
652	68	-0.02	0.67	-0.24	-2.77e-04	-6.71e-05	-1.97e-06
652	123	-4.80	1.89	-0.03	-4.50e-04	-2.03e-04	-8.60e-06
652	129	0.03	5.70	-0.35	-1.50e-03	1.97e-04	-5.57e-05
652	141	0.82	5.10	-0.37	-1.39e-03	2.22e-04	-3.66e-05
652	155	-5.39	2.13	-0.01	-4.97e-04	-2.20e-04	-1.03e-05
652	161	0.04	6.44	-0.38	-1.68e-03	2.30e-04	-6.34e-05
652	173	0.93	5.76	-0.40	-1.56e-03	2.58e-04	-4.13e-05
652	187	-5.30	2.19	-0.02	-5.14e-04	-2.14e-04	-1.11e-05
652	193	0.03	6.68	-0.39	-1.74e-03	2.39e-04	-6.46e-05
652	205	0.93	5.92	-0.41	-1.60e-03	2.64e-04	-3.70e-05
652	219	-6.16	2.61	-3.67e-03	-6.00e-04	-2.37e-04	-1.47e-05
652	225	0.03	8.04	-0.44	-2.08e-03	2.98e-04	-7.90e-05
652	237	1.09	7.03	-0.46	-1.88e-03	3.24e-04	-4.26e-05
652	263	-0.44	0.14	-0.13	-1.29e-04	-7.70e-05	9.13e-06
652	268	-0.02	0.32	-0.18	-1.77e-04	-6.35e-05	1.94e-06
652	276	-0.01	0.45	-0.17	-1.90e-04	-4.77e-05	-1.03e-06
652	298	-0.02	0.09	-0.14	-1.06e-04	-5.91e-05	4.53e-06
652	305	-0.10	0.09	-0.13	-1.04e-04	-5.94e-05	5.22e-06
652	307	-0.02	0.15	-0.14	-1.15e-04	-5.29e-05	3.16e-06
652	310	-0.02	0.08	-0.14	-9.96e-05	-5.58e-05	4.30e-06
653	45	-0.55	0.10	-0.06	-3.38e-05	0.0	7.20e-06
653	52	0.01	0.41	-0.20	-1.50e-04	0.0	-4.17e-06
653	68	0.02	0.58	-0.18	-2.11e-04	0.0	-4.98e-06
653	122	4.26	-1.47	-0.16	5.20e-04	0.0	-6.36e-05
653	129	0.05	4.84	-0.20	-1.75e-03	0.0	1.57e-04
653	141	0.75	4.37	-0.20	-1.60e-03	0.0	-6.10e-05
653	154	4.78	-1.67	-0.16	5.93e-04	0.0	-7.16e-05
653	161	0.06	5.47	-0.21	-1.98e-03	0.0	1.77e-04
653	173	0.85	4.94	-0.22	-1.80e-03	0.0	-6.85e-05
653	186	4.71	-1.73	-0.16	6.13e-04	0.0	-7.20e-05
653	193	0.05	5.68	-0.21	-2.06e-03	0.0	1.80e-04
653	205	0.85	5.07	-0.22	-1.85e-03	0.0	-6.76e-05
653	218	5.47	-2.09	-0.17	7.42e-04	0.0	-8.51e-05
653	225	0.06	6.83	-0.23	-2.47e-03	0.0	2.16e-04
653	237	0.99	6.03	-0.24	-2.20e-03	0.0	-7.92e-05
653	261	-0.37	0.08	-0.07	-2.80e-05	0.0	4.32e-06
653	268	9.33e-03	0.28	-0.14	-1.01e-04	0.0	-2.89e-06
653	276	0.01	0.39	-0.13	-1.41e-04	0.0	-3.43e-06

653	298	2.76e-03	0.07	-0.12	-2.61e-05	0.0	-1.54e-06
653	304	-0.07	0.05	-0.08	-1.67e-05	0.0	0.0
653	307	4.25e-03	0.13	-0.11	-4.72e-05	0.0	-1.83e-06
653	310	2.55e-03	0.07	-0.11	-2.44e-05	0.0	-1.50e-06
654	43	-0.65	0.20	-0.22	-2.15e-04	-9.26e-05	1.51e-05
654	52	-0.03	0.48	-0.29	-2.84e-04	-7.59e-05	4.98e-06
654	68	-0.02	0.67	-0.26	-3.03e-04	-5.59e-05	1.15e-06
654	123	-4.80	1.86	-0.10	-4.90e-04	-1.54e-04	5.50e-05
654	129	0.03	5.64	-0.26	-1.62e-03	1.48e-04	1.55e-04
654	141	0.82	5.10	-0.27	-1.51e-03	1.67e-04	-3.68e-05
654	155	-5.39	2.10	-0.10	-5.41e-04	-1.67e-04	6.14e-05
654	161	0.04	6.38	-0.27	-1.82e-03	1.73e-04	1.74e-04
654	173	0.93	5.76	-0.28	-1.70e-03	1.95e-04	-4.16e-05
654	187	-5.30	2.16	-0.10	-5.59e-04	-1.63e-04	6.13e-05
654	193	0.03	6.62	-0.27	-1.89e-03	1.80e-04	1.75e-04
654	205	0.93	5.92	-0.28	-1.74e-03	2.00e-04	-3.77e-05
654	219	-6.16	2.58	-0.09	-6.52e-04	-1.79e-04	7.17e-05
654	225	0.03	7.95	-0.30	-2.25e-03	2.26e-04	2.08e-04
654	237	1.09	7.03	-0.30	-2.05e-03	2.45e-04	-4.38e-05
654	263	-0.44	0.13	-0.16	-1.49e-04	-6.41e-05	1.03e-05
654	268	-0.02	0.32	-0.21	-1.95e-04	-5.30e-05	3.58e-06
654	276	-0.01	0.45	-0.19	-2.08e-04	-3.96e-05	1.02e-06
654	298	-0.02	0.09	-0.17	-1.18e-04	-4.92e-05	5.00e-06
654	305	-0.10	0.09	-0.16	-1.18e-04	-4.94e-05	5.78e-06
654	307	-0.02	0.15	-0.16	-1.28e-04	-4.39e-05	3.87e-06
654	310	-0.02	0.08	-0.16	-1.11e-04	-4.64e-05	4.71e-06
655	45	-0.55	0.10	-0.07	-3.04e-05	0.0	6.89e-06
655	52	0.02	0.41	-0.21	-1.44e-04	0.0	-1.94e-06
655	68	0.02	0.58	-0.19	-2.07e-04	0.0	-1.26e-06
655	122	4.27	-1.43	-0.14	5.39e-04	0.0	-7.06e-05
655	125	3.88	1.17	-0.15	-4.42e-04	0.0	4.37e-06
655	129	0.06	4.76	-0.14	-1.78e-03	0.0	1.95e-04
655	154	4.80	-1.63	-0.15	6.13e-04	0.0	-7.95e-05
655	157	4.36	1.32	-0.16	-4.98e-04	0.0	5.29e-06
655	161	0.06	5.38	-0.15	-2.01e-03	0.0	2.21e-04
655	186	4.72	-1.69	-0.14	6.34e-04	0.0	-8.06e-05
655	189	4.30	1.36	-0.16	-5.14e-04	0.0	6.31e-06
655	193	0.06	5.58	-0.15	-2.09e-03	0.0	2.26e-04
655	218	5.49	-2.04	-0.15	7.65e-04	0.0	-9.56e-05
655	221	5.00	1.61	-0.16	-6.09e-04	0.0	8.38e-06
655	225	0.06	6.71	-0.15	-2.51e-03	0.0	2.71e-04
655	261	-0.37	0.08	-0.08	-2.44e-05	0.0	4.07e-06
655	268	0.01	0.28	-0.15	-9.64e-05	0.0	-1.43e-06
655	276	0.01	0.39	-0.13	-1.39e-04	0.0	0.0
655	298	4.48e-03	0.07	-0.12	-2.09e-05	0.0	-1.67e-06
655	304	-0.07	0.05	-0.08	-1.33e-05	0.0	0.0
655	307	5.91e-03	0.13	-0.12	-4.29e-05	0.0	-1.46e-06
655	310	4.18e-03	0.07	-0.12	-1.94e-05	0.0	-1.63e-06
656	43	-0.65	0.19	-0.24	-2.45e-04	-8.47e-05	1.72e-05
656	52	-0.03	0.48	-0.31	-3.11e-04	-7.30e-05	8.33e-06
656	68	-0.02	0.67	-0.28	-3.29e-04	-5.50e-05	4.92e-06
656	123	-4.80	1.84	-0.14	-5.18e-04	-1.28e-04	6.05e-05
656	125	4.31	1.37	-0.21	-6.07e-04	1.12e-04	-2.35e-05
656	129	0.03	5.57	-0.20	-1.70e-03	1.02e-04	1.70e-04
656	155	-5.39	2.07	-0.14	-5.71e-04	-1.38e-04	6.74e-05
656	157	4.85	1.55	-0.22	-6.71e-04	1.32e-04	-2.71e-05
656	161	0.04	6.30	-0.21	-1.91e-03	1.21e-04	1.91e-04
656	187	-5.30	2.13	-0.14	-5.90e-04	-1.34e-04	6.76e-05
656	189	4.78	1.60	-0.22	-6.85e-04	1.31e-04	-2.57e-05
656	193	0.03	6.54	-0.21	-1.98e-03	1.26e-04	1.93e-04
656	219	-6.16	2.54	-0.13	-6.87e-04	-1.47e-04	7.92e-05
656	221	5.56	1.89	-0.23	-7.91e-04	1.61e-04	-3.07e-05
656	225	0.03	7.86	-0.21	-2.36e-03	1.60e-04	2.29e-04
656	263	-0.44	0.13	-0.17	-1.70e-04	-5.86e-05	1.17e-05
656	268	-0.02	0.32	-0.22	-2.14e-04	-5.08e-05	5.85e-06
656	276	-0.01	0.45	-0.19	-2.26e-04	-3.88e-05	3.58e-06
656	298	-0.02	0.08	-0.18	-1.31e-04	-4.62e-05	6.18e-06
656	305	-0.10	0.09	-0.17	-1.32e-04	-4.60e-05	6.92e-06
656	307	-0.02	0.15	-0.17	-1.41e-04	-4.16e-05	5.23e-06
656	310	-0.02	0.08	-0.17	-1.24e-04	-4.35e-05	5.82e-06
657	45	-0.55	0.09	-0.08	-2.63e-05	0.0	6.17e-06
657	68	0.02	0.58	-0.19	-2.05e-04	0.0	0.0
657	76	9.22e-03	-3.77e-03	-0.22	2.64e-05	0.0	-4.71e-06
657	122	4.29	-1.40	-0.14	5.61e-04	0.0	-7.38e-05
657	137	0.46	4.67	-0.09	-1.84e-03	0.0	1.35e-04

657	138	1.36	-3.88	-0.15	1.56e-03	0.0	-7.32e-05
657	154	4.82	-1.59	-0.14	6.37e-04	0.0	-8.30e-05
657	169	0.51	5.28	-0.09	-2.08e-03	0.0	1.53e-04
657	170	1.52	-4.40	-0.16	1.77e-03	0.0	-8.26e-05
657	186	4.74	-1.64	-0.14	6.59e-04	0.0	-8.45e-05
657	193	0.06	5.46	-0.09	-2.15e-03	0.0	2.51e-04
657	202	1.48	-4.52	-0.16	1.81e-03	0.0	-8.53e-05
657	218	5.51	-1.99	-0.14	7.95e-04	0.0	-1.00e-04
657	225	0.07	6.57	-0.08	-2.59e-03	0.0	3.01e-04
657	234	1.71	-5.39	-0.17	2.16e-03	0.0	-1.01e-04
657	261	-0.37	0.08	-0.08	-2.04e-05	0.0	3.44e-06
657	276	0.02	0.39	-0.13	-1.37e-04	0.0	0.0
657	280	6.51e-03	6.84e-04	-0.15	1.72e-05	0.0	-3.32e-06
657	298	6.84e-03	0.08	-0.13	-1.53e-05	0.0	-2.39e-06
657	304	-0.07	0.05	-0.08	-9.68e-06	0.0	0.0
657	307	8.17e-03	0.13	-0.12	-3.84e-05	0.0	-1.91e-06
657	310	6.39e-03	0.07	-0.12	-1.41e-05	0.0	-2.31e-06
658	4	0.14	0.12	-0.32	-2.31e-04	-9.12e-05	9.12e-06
658	43	-0.65	0.18	-0.26	-2.51e-04	-9.55e-05	1.96e-05
658	68	-0.02	0.67	-0.28	-3.44e-04	-7.12e-05	6.72e-06
658	123	-4.79	1.81	-0.16	-5.24e-04	-1.33e-04	6.38e-05
658	137	0.47	5.52	-0.14	-1.72e-03	6.32e-05	-3.93e-06
658	138	1.48	-4.61	-0.22	1.23e-03	-1.14e-04	9.00e-05
658	155	-5.39	2.03	-0.16	-5.77e-04	-1.43e-04	7.11e-05
658	169	0.54	6.24	-0.14	-1.93e-03	7.82e-05	-5.22e-06
658	170	1.67	-5.22	-0.22	1.41e-03	-1.22e-04	1.00e-04
658	187	-5.30	2.10	-0.16	-5.96e-04	-1.40e-04	7.15e-05
658	193	0.03	6.45	-0.14	-1.98e-03	7.20e-05	2.01e-04
658	202	1.62	-5.37	-0.22	1.45e-03	-1.25e-04	9.76e-05
658	219	-6.16	2.50	-0.15	-6.93e-04	-1.54e-04	8.36e-05
658	225	0.03	7.75	-0.13	-2.37e-03	9.66e-05	2.39e-04
658	234	1.88	-6.40	-0.23	1.75e-03	-1.40e-04	1.13e-04
658	244	0.10	0.09	-0.22	-1.61e-04	-6.34e-05	6.41e-06
658	263	-0.44	0.12	-0.18	-1.74e-04	-6.62e-05	1.34e-05
658	276	-0.01	0.45	-0.20	-2.36e-04	-5.00e-05	4.81e-06
658	298	-0.02	0.08	-0.19	-1.38e-04	-5.48e-05	6.81e-06
658	305	-0.10	0.08	-0.18	-1.38e-04	-5.38e-05	7.73e-06
658	307	-0.02	0.15	-0.18	-1.48e-04	-5.01e-05	5.93e-06
658	310	-0.02	0.07	-0.18	-1.31e-04	-5.15e-05	6.41e-06
659	45	-0.55	0.09	-0.08	-2.22e-05	0.0	9.98e-06
659	68	0.03	0.58	-0.18	-2.04e-04	0.0	6.85e-06
659	76	0.01	4.74e-03	-0.22	3.65e-05	0.0	6.94e-06
659	122	4.32	-1.36	-0.14	5.78e-04	0.0	-5.76e-05
659	137	0.46	4.62	4.05e-03	-1.90e-03	0.0	1.12e-04
659	140	-0.44	-4.47	-0.25	1.88e-03	0.0	-1.05e-04
659	154	4.85	-1.55	-0.14	6.55e-04	0.0	-6.55e-05
659	169	0.52	5.21	0.02	-2.15e-03	0.0	1.26e-04
659	172	-0.50	-5.06	-0.26	2.13e-03	0.0	-1.19e-04
659	186	4.77	-1.60	-0.15	6.78e-04	0.0	-6.65e-05
659	201	0.52	5.35	0.02	-2.21e-03	0.0	1.27e-04
659	204	-0.50	-5.20	-0.27	2.19e-03	0.0	-1.19e-04
659	218	5.55	-1.94	-0.15	8.17e-04	0.0	-8.00e-05
659	225	0.07	6.43	0.05	-2.65e-03	0.0	2.65e-04
659	236	-0.59	-6.21	-0.30	2.61e-03	0.0	-1.42e-04
659	261	-0.37	0.08	-0.09	-1.65e-05	0.0	7.61e-06
659	276	0.02	0.39	-0.13	-1.36e-04	0.0	4.77e-06
659	280	9.84e-03	6.64e-03	-0.16	2.42e-05	0.0	4.83e-06
659	298	9.64e-03	0.08	-0.13	-1.05e-05	0.0	3.88e-06
659	304	-0.07	0.05	-0.09	-6.56e-06	0.0	3.53e-06
659	307	0.01	0.14	-0.12	-3.46e-05	0.0	3.77e-06
659	310	9.02e-03	0.08	-0.12	-9.57e-06	0.0	3.68e-06
660	43	-0.65	0.17	-0.27	-2.13e-04	-1.35e-04	3.46e-05
660	68	-0.02	0.66	-0.27	-3.44e-04	-1.16e-04	9.28e-06
660	76	-0.05	-0.03	-0.32	-2.06e-04	-1.45e-04	1.61e-05
660	123	-4.79	1.78	-0.16	-5.20e-04	-1.82e-04	7.35e-05
660	137	0.47	5.50	-0.06	-1.71e-03	-9.02e-06	-3.51e-06
660	140	-0.52	-5.36	-0.30	1.45e-03	-1.44e-04	1.95e-05
660	155	-5.38	2.00	-0.16	-5.72e-04	-1.95e-04	8.18e-05
660	169	0.54	6.21	-0.04	-1.92e-03	0.0	-4.92e-06
660	172	-0.58	-6.07	-0.32	1.65e-03	-1.53e-04	2.09e-05
660	187	-5.30	2.07	-0.16	-5.90e-04	-1.93e-04	8.21e-05
660	201	0.54	6.38	-0.04	-1.96e-03	0.0	-3.41e-06
660	204	-0.58	-6.24	-0.32	1.70e-03	-1.54e-04	1.94e-05
660	219	-6.15	2.47	-0.15	-6.86e-04	-2.12e-04	9.58e-05
660	225	0.03	7.66	-0.01	-2.33e-03	5.88e-06	2.40e-04

660	236	-0.68	-7.44	-0.35	2.05e-03	-1.68e-04	2.10e-05
660	263	-0.44	0.11	-0.19	-1.49e-04	-9.38e-05	2.35e-05
660	276	-0.02	0.45	-0.19	-2.36e-04	-8.11e-05	6.60e-06
660	280	-0.03	-0.02	-0.23	-1.45e-04	-1.00e-04	1.11e-05
660	298	-0.02	0.08	-0.19	-1.38e-04	-8.16e-05	8.46e-06
660	305	-0.10	0.08	-0.18	-1.33e-04	-7.92e-05	1.10e-05
660	307	-0.02	0.14	-0.18	-1.48e-04	-7.60e-05	7.50e-06
660	310	-0.02	0.07	-0.18	-1.30e-04	-7.67e-05	7.97e-06
661	28	-0.31	0.15	-0.28	-2.58e-05	0.0	2.23e-05
661	45	-0.55	0.08	-0.11	-1.83e-05	0.0	1.35e-05
661	68	0.04	0.57	-0.24	-2.03e-04	0.0	1.27e-05
661	122	4.36	-1.34	-0.12	4.52e-04	0.0	-3.72e-05
661	137	1.38	4.59	-0.07	-1.92e-03	0.0	2.47e-06
661	144	-1.67	-4.09	-0.24	1.79e-03	0.0	5.18e-05
661	154	4.90	-1.53	-0.11	5.13e-04	0.0	-4.32e-05
661	169	1.54	5.18	-0.06	-2.17e-03	0.0	1.67e-06
661	176	-1.87	-4.63	-0.25	2.02e-03	0.0	5.69e-05
661	186	4.82	-1.58	-0.12	5.36e-04	0.0	-4.34e-05
661	201	1.50	5.32	-0.06	-2.23e-03	0.0	3.39e-06
661	208	-1.83	-4.76	-0.25	2.08e-03	0.0	5.43e-05
661	218	5.60	-1.91	-0.11	6.49e-04	0.0	-5.34e-05
661	225	0.09	6.32	-0.05	-2.64e-03	0.0	2.05e-04
661	240	-2.12	-5.68	-0.27	2.47e-03	0.0	6.14e-05
661	256	-0.21	0.11	-0.20	-1.73e-05	0.0	1.54e-05
661	261	-0.37	0.07	-0.11	-1.36e-05	0.0	1.16e-05
661	276	0.02	0.38	-0.17	-1.36e-04	0.0	9.05e-06
661	298	0.01	0.07	-0.16	-8.57e-06	0.0	1.01e-05
661	304	-0.07	0.04	-0.11	-5.45e-06	0.0	7.75e-06
661	307	0.01	0.13	-0.15	-3.32e-05	0.0	9.23e-06
661	310	0.01	0.07	-0.15	-7.84e-06	0.0	9.65e-06
662	28	-0.41	0.16	-0.41	-2.09e-04	-2.33e-04	2.76e-05
662	43	-0.65	0.15	-0.34	-1.58e-04	-2.01e-04	2.77e-05
662	68	-0.02	0.66	-0.35	-3.24e-04	-1.87e-04	1.53e-05
662	123	-4.79	1.74	-0.26	-5.06e-04	-2.70e-04	8.13e-05
662	137	0.47	5.47	-0.13	-1.71e-03	-1.14e-04	-1.75e-06
662	144	-0.86	-4.91	-0.32	1.38e-03	-1.31e-04	6.70e-05
662	155	-5.38	1.96	-0.27	-5.58e-04	-2.89e-04	9.02e-05
662	169	0.53	6.18	-0.12	-1.91e-03	-1.13e-04	-3.36e-06
662	176	-0.97	-5.56	-0.34	1.57e-03	-1.33e-04	7.38e-05
662	187	-5.29	2.02	-0.27	-5.76e-04	-2.87e-04	9.05e-05
662	201	0.54	6.35	-0.11	-1.96e-03	-1.14e-04	-1.83e-06
662	208	-0.97	-5.71	-0.34	1.62e-03	-1.32e-04	7.14e-05
662	219	-6.15	2.42	-0.27	-6.71e-04	-3.15e-04	1.05e-04
662	225	0.03	7.55	-0.10	-2.31e-03	-1.31e-04	2.45e-04
662	240	-1.13	-6.81	-0.36	1.95e-03	-1.34e-04	8.11e-05
662	256	-0.28	0.11	-0.29	-1.45e-04	-1.61e-04	1.90e-05
662	263	-0.44	0.10	-0.24	-1.11e-04	-1.40e-04	1.90e-05
662	276	-0.02	0.44	-0.25	-2.22e-04	-1.30e-04	1.08e-05
662	298	-0.02	0.07	-0.24	-1.23e-04	-1.26e-04	1.20e-05
662	305	-0.11	0.07	-0.23	-1.14e-04	-1.21e-04	1.28e-05
662	307	-0.02	0.14	-0.22	-1.34e-04	-1.18e-04	1.10e-05
662	310	-0.02	0.06	-0.22	-1.16e-04	-1.18e-04	1.14e-05
663	45	-2.59	-0.17	-0.05	0.0	8.86e-04	-3.98e-03
663	71	8.19e-03	0.38	-5.43e-03	0.0	-1.69e-05	-1.21e-04
663	92	0.06	-0.20	-0.12	0.0	-1.62e-05	-1.83e-05
663	122	4.14	-1.07	-0.21	0.0	1.42e-03	3.81e-05
663	132	0.63	-4.26	-0.65	0.0	1.96e-04	-4.87e-04
663	140	-0.04	-4.20	-0.65	0.0	-5.59e-05	2.15e-04
663	154	4.65	-1.21	-0.23	0.0	1.60e-03	4.73e-05
663	164	0.71	-4.83	-0.72	0.0	2.24e-04	-5.43e-04
663	172	-0.05	-4.76	-0.73	0.0	-6.14e-05	2.47e-04
663	186	4.58	-1.26	-0.23	0.0	1.58e-03	4.63e-05
663	196	0.74	-5.01	-0.75	0.0	2.32e-04	-5.29e-04
663	204	-0.05	-4.89	-0.75	0.0	-6.48e-05	2.42e-04
663	218	5.33	-1.52	-0.27	0.0	1.84e-03	5.93e-05
663	228	0.89	-6.04	-0.89	0.0	2.84e-04	-6.11e-04
663	261	-1.72	-0.12	-0.05	0.0	5.88e-04	-2.67e-03
663	275	0.01	0.25	-0.02	0.0	-1.42e-05	-9.14e-05
663	288	0.04	-0.13	-0.09	0.0	-1.15e-05	-1.51e-05
663	298	0.03	-3.14e-03	-0.06	0.0	-1.23e-05	-3.89e-05
663	304	-0.33	-0.03	-0.05	0.0	1.11e-04	-5.56e-04
663	307	0.02	0.05	-0.05	0.0	-1.20e-05	-4.80e-05
663	309	0.02	-0.01	-0.05	0.0	-7.67e-06	-2.89e-05
663	310	0.03	-4.58e-03	-0.06	0.0	-1.16e-05	-3.75e-05
664	44	-1.26	0.78	-0.23	0.0	-1.44e-04	-5.90e-04

664	52	-0.27	1.35	-0.35	0.0	-1.49e-04	-4.46e-05
664	68	-0.22	1.62	-0.34	0.0	-1.28e-04	-4.11e-05
664	123	-8.61	3.03	0.07	0.0	-1.06e-03	9.32e-06
664	129	-0.03	11.12	-0.74	0.0	-8.25e-05	2.69e-04
664	141	1.35	10.20	-0.78	0.0	8.13e-05	-8.33e-05
664	155	-9.66	3.38	0.10	0.0	-1.18e-03	1.38e-05
664	161	-0.02	12.54	-0.81	0.0	-8.34e-05	3.06e-04
664	173	1.54	11.49	-0.86	0.0	1.02e-04	-9.09e-05
664	187	-9.51	3.52	0.09	0.0	-1.17e-03	1.93e-05
664	193	-0.02	13.01	-0.83	0.0	-8.60e-05	3.10e-04
664	205	1.54	11.79	-0.87	0.0	1.01e-04	-8.75e-05
664	219	-11.03	4.17	0.13	0.0	-1.34e-03	2.93e-05
664	225	-0.01	15.59	-0.96	0.0	-8.99e-05	3.73e-04
664	237	1.82	13.95	-1.00	0.0	1.32e-04	-9.78e-05
664	264	-0.85	0.54	-0.16	0.0	-1.00e-04	-3.95e-04
664	268	-0.19	0.92	-0.25	0.0	-1.04e-04	-3.08e-05
664	276	-0.15	1.10	-0.24	0.0	-8.95e-05	-2.85e-05
664	298	-0.16	0.44	-0.19	0.0	-8.47e-05	-2.29e-05
664	305	-0.29	0.43	-0.17	0.0	-8.21e-05	-9.57e-05
664	307	-0.15	0.54	-0.19	0.0	-8.01e-05	-2.24e-05
664	310	-0.15	0.41	-0.18	0.0	-8.00e-05	-2.16e-05
665	28	-0.30	0.13	-0.61	-2.81e-05	0.0	2.71e-05
665	45	-0.56	0.07	-0.24	-1.63e-05	0.0	1.42e-05
665	68	0.06	0.55	-0.49	-2.06e-04	0.0	1.51e-05
665	122	4.46	-1.32	0.09	4.33e-04	0.0	4.29e-05
665	123	-4.41	1.43	-0.71	-4.54e-04	0.0	-1.77e-05
665	137	1.42	4.58	-0.19	-1.85e-03	0.0	6.08e-06
665	154	5.01	-1.51	0.14	4.92e-04	0.0	4.66e-05
665	155	-4.96	1.61	-0.76	-5.14e-04	0.0	-2.14e-05
665	169	1.58	5.18	-0.17	-2.10e-03	0.0	5.39e-06
665	186	4.92	-1.56	0.13	5.13e-04	0.0	4.57e-05
665	187	-4.87	1.66	-0.76	-5.34e-04	0.0	-2.06e-05
665	201	1.54	5.31	-0.17	-2.15e-03	0.0	7.33e-06
665	218	5.72	-1.88	0.20	6.21e-04	0.0	5.17e-05
665	219	-5.67	1.99	-0.83	-6.42e-04	0.0	-2.65e-05
665	233	1.78	6.31	-0.15	-2.56e-03	0.0	6.94e-06
665	256	-0.20	0.09	-0.42	-1.91e-05	0.0	1.88e-05
665	261	-0.37	0.06	-0.24	-1.33e-05	0.0	1.27e-05
665	276	0.04	0.37	-0.34	-1.38e-04	0.0	1.08e-05
665	298	0.03	0.06	-0.33	-1.14e-05	0.0	1.33e-05
665	303	0.06	0.05	-0.31	-9.89e-06	0.0	1.21e-05
665	307	0.03	0.12	-0.31	-3.57e-05	0.0	1.19e-05
665	310	0.02	0.05	-0.31	-1.06e-05	0.0	1.26e-05
666	28	-0.41	0.14	-0.76	-1.75e-04	-4.18e-04	7.41e-06
666	43	-0.65	0.13	-0.65	-1.34e-04	-3.51e-04	9.00e-06
666	68	-0.02	0.65	-0.62	-2.94e-04	-3.54e-04	0.0
666	123	-4.78	1.68	-0.80	-4.91e-04	-3.93e-04	3.25e-05
666	137	0.47	5.43	-0.27	-1.72e-03	-3.45e-04	-6.25e-06
666	155	-5.37	1.89	-0.85	-5.43e-04	-4.15e-04	3.66e-05
666	169	0.53	6.13	-0.25	-1.94e-03	-3.62e-04	-7.34e-06
666	187	-5.28	1.95	-0.85	-5.61e-04	-4.15e-04	3.89e-05
666	201	0.53	6.29	-0.25	-1.99e-03	-3.68e-04	-6.58e-06
666	219	-6.14	2.33	-0.92	-6.58e-04	-4.49e-04	4.69e-05
666	233	0.63	7.48	-0.23	-2.35e-03	-3.97e-04	-8.04e-06
666	256	-0.28	0.09	-0.53	-1.21e-04	-2.88e-04	5.02e-06
666	263	-0.43	0.09	-0.46	-9.43e-05	-2.44e-04	6.08e-06
666	276	-0.02	0.43	-0.44	-2.00e-04	-2.45e-04	0.0
666	298	-0.02	0.06	-0.42	-1.01e-04	-2.32e-04	2.11e-06
666	305	-0.11	0.06	-0.40	-9.38e-05	-2.19e-04	2.75e-06
666	307	-0.02	0.13	-0.40	-1.14e-04	-2.19e-04	1.60e-06
666	310	-0.02	0.06	-0.40	-9.51e-05	-2.17e-04	1.96e-06
667	44	-1.13	0.63	-0.37	0.0	-1.62e-04	2.42e-04
667	52	-0.14	1.15	-0.44	0.0	-8.84e-05	3.94e-05
667	68	-0.10	1.39	-0.40	0.0	-7.45e-05	3.04e-05
667	123	-7.52	3.03	-0.34	0.0	-1.21e-03	9.75e-05
667	137	2.23	9.09	-0.56	0.0	6.94e-05	2.15e-05
667	155	-8.44	3.39	-0.36	0.0	-1.35e-03	1.07e-04
667	169	2.52	10.24	-0.60	0.0	8.41e-05	2.13e-05
667	187	-8.31	3.50	-0.36	0.0	-1.33e-03	1.06e-04
667	193	-0.03	10.48	-0.61	0.0	-3.90e-05	3.24e-04
667	201	2.44	10.51	-0.61	0.0	8.53e-05	2.40e-05
667	219	-9.65	4.14	-0.39	0.0	-1.54e-03	1.22e-04
667	225	-0.03	12.56	-0.69	0.0	-3.91e-05	3.82e-04
667	264	-0.76	0.44	-0.26	0.0	-1.11e-04	1.63e-04
667	268	-0.10	0.78	-0.31	0.0	-6.16e-05	2.76e-05

667	276	-0.07	0.94	-0.28	0.0	-5.23e-05	2.16e-05
667	298	-0.09	0.36	-0.24	0.0	-5.18e-05	2.47e-05
667	305	-0.22	0.35	-0.23	0.0	-6.03e-05	5.06e-05
667	307	-0.08	0.45	-0.23	0.0	-4.86e-05	2.24e-05
667	310	-0.08	0.34	-0.23	0.0	-4.90e-05	2.34e-05
668	44	-1.31	0.72	-0.40	0.0	-1.43e-04	2.45e-04
668	52	-0.21	1.29	-0.50	0.0	-1.25e-04	5.31e-05
668	68	-0.16	1.54	-0.47	0.0	-1.08e-04	4.32e-05
668	123	-8.11	2.70	-0.51	0.0	-1.10e-03	1.06e-05
668	137	0.66	9.93	-1.08	0.0	2.32e-05	2.82e-05
668	155	-9.10	3.01	-0.54	0.0	-1.23e-03	8.68e-06
668	169	0.76	11.19	-1.19	0.0	3.43e-05	2.77e-05
668	187	-8.96	3.13	-0.55	0.0	-1.21e-03	1.25e-05
668	201	0.77	11.48	-1.22	0.0	3.49e-05	2.75e-05
668	219	-10.40	3.70	-0.61	0.0	-1.40e-03	1.28e-05
668	225	-0.18	13.70	-1.41	0.0	-1.01e-04	4.52e-04
668	264	-0.88	0.50	-0.28	0.0	-9.86e-05	1.65e-04
668	268	-0.14	0.88	-0.35	0.0	-8.68e-05	3.69e-05
668	276	-0.11	1.05	-0.33	0.0	-7.53e-05	3.03e-05
668	298	-0.13	0.42	-0.26	0.0	-7.09e-05	3.14e-05
668	305	-0.27	0.41	-0.25	0.0	-7.18e-05	5.58e-05
668	307	-0.12	0.52	-0.26	0.0	-6.71e-05	2.90e-05
668	310	-0.12	0.40	-0.25	0.0	-6.70e-05	2.96e-05
669	45	-0.12	-0.02	-0.05	0.0	-2.31e-04	1.92e-05
669	52	0.02	-0.05	-0.16	0.0	3.17e-05	-1.60e-05
669	76	0.01	-0.12	-0.14	0.0	2.06e-05	-1.28e-05
669	122	0.96	-0.25	0.01	0.0	1.84e-03	-1.27e-04
669	139	-0.09	0.55	-0.31	0.0	-1.80e-04	-7.95e-06
669	140	-0.29	-0.76	0.11	0.0	-5.64e-04	3.97e-05
669	154	1.08	-0.27	0.02	0.0	2.07e-03	-1.42e-04
669	171	-0.10	0.63	-0.34	0.0	-2.04e-04	-8.19e-06
669	172	-0.33	-0.85	0.14	0.0	-6.35e-04	4.55e-05
669	186	1.06	-0.28	0.02	0.0	2.04e-03	-1.41e-04
669	203	-0.10	0.65	-0.35	0.0	-2.04e-04	-8.56e-06
669	204	-0.32	-0.87	0.14	0.0	-6.18e-04	4.47e-05
669	218	1.24	-0.33	0.04	0.0	2.37e-03	-1.62e-04
669	235	-0.12	0.79	-0.40	0.0	-2.41e-04	-9.15e-06
669	236	-0.38	-1.02	0.19	0.0	-7.21e-04	5.35e-05
669	261	-0.08	-0.03	-0.05	0.0	-1.52e-04	1.13e-05
669	268	0.01	-0.04	-0.11	0.0	2.15e-05	-1.09e-05
669	280	9.24e-03	-0.08	-0.10	0.0	1.40e-05	-8.75e-06
669	298	8.35e-03	-0.05	-0.08	0.0	1.28e-05	-7.57e-06
669	303	0.02	-0.05	-0.08	0.0	2.76e-05	-8.52e-06
669	310	7.69e-03	-0.05	-0.08	0.0	1.18e-05	-7.02e-06
670	1	0.0	0.0	0.0	0.0	8.07e-05	-2.20e-06
670	113	0.0	0.0	0.0	0.0	1.21e-03	-1.08e-05
670	145	0.0	0.0	0.0	0.0	1.36e-03	-1.20e-05
670	177	0.0	0.0	0.0	0.0	1.33e-03	-1.17e-05
670	209	0.0	0.0	0.0	0.0	1.55e-03	-1.34e-05
670	241	0.0	0.0	0.0	0.0	5.41e-05	-1.51e-06
670	297	0.0	0.0	0.0	0.0	6.15e-06	0.0
670	309	0.0	0.0	0.0	0.0	6.15e-06	0.0
671	44	-1.22	0.72	-0.38	0.0	-1.71e-04	2.21e-04
671	52	-0.19	1.29	-0.45	0.0	-1.26e-04	5.18e-05
671	68	-0.15	1.54	-0.41	0.0	-1.08e-04	4.19e-05
671	123	-8.11	2.70	-0.35	0.0	-1.12e-03	1.39e-05
671	137	0.71	9.93	-0.57	0.0	3.12e-05	2.87e-05
671	155	-9.11	3.01	-0.37	0.0	-1.25e-03	1.25e-05
671	169	0.81	11.19	-0.61	0.0	4.35e-05	2.84e-05
671	187	-8.96	3.13	-0.37	0.0	-1.23e-03	1.62e-05
671	193	-0.06	11.44	-0.62	0.0	-7.91e-05	3.80e-04
671	201	0.82	11.48	-0.62	0.0	4.41e-05	2.84e-05
671	219	-10.41	3.70	-0.40	0.0	-1.42e-03	1.71e-05
671	225	-0.06	13.70	-0.70	0.0	-8.38e-05	4.47e-04
671	264	-0.82	0.50	-0.27	0.0	-1.18e-04	1.49e-04
671	268	-0.13	0.88	-0.31	0.0	-8.76e-05	3.60e-05
671	276	-0.10	1.05	-0.29	0.0	-7.58e-05	2.95e-05
671	298	-0.12	0.42	-0.25	0.0	-7.18e-05	3.07e-05
671	305	-0.25	0.41	-0.24	0.0	-7.62e-05	5.21e-05
671	307	-0.11	0.52	-0.24	0.0	-6.79e-05	2.83e-05
671	310	-0.11	0.40	-0.24	0.0	-6.79e-05	2.90e-05
672	45	-0.24	-0.04	-0.10	0.0	-2.23e-04	3.73e-05
672	52	0.04	-0.07	-0.34	0.0	2.58e-05	-3.11e-05
672	92	0.02	-0.22	-0.24	0.0	1.01e-05	-1.87e-05
672	122	1.90	-0.51	2.93e-03	0.0	1.76e-03	-2.58e-04

672	139	-0.18	1.19	-0.59	0.0	-1.77e-04	-1.55e-05
672	140	-0.58	-1.58	0.18	0.0	-5.41e-04	8.08e-05
672	154	2.13	-0.56	0.02	0.0	1.98e-03	-2.88e-04
672	171	-0.20	1.36	-0.64	0.0	-2.00e-04	-1.59e-05
672	172	-0.65	-1.77	0.23	0.0	-6.08e-04	9.26e-05
672	186	2.10	-0.58	0.03	0.0	1.95e-03	-2.84e-04
672	203	-0.20	1.40	-0.65	0.0	-2.00e-04	-1.67e-05
672	204	-0.63	-1.81	0.24	0.0	-5.92e-04	9.09e-05
672	218	2.44	-0.68	0.06	0.0	2.26e-03	-3.28e-04
672	235	-0.24	1.68	-0.75	0.0	-2.36e-04	-1.78e-05
672	236	-0.74	-2.14	0.32	0.0	-6.89e-04	1.09e-04
672	261	-0.16	-0.05	-0.11	0.0	-1.47e-04	2.19e-05
672	268	0.03	-0.05	-0.23	0.0	1.74e-05	-2.12e-05
672	288	0.01	-0.15	-0.17	0.0	6.97e-06	-1.29e-05
672	298	0.02	-0.09	-0.18	0.0	1.01e-05	-1.47e-05
672	303	0.03	-0.09	-0.17	0.0	2.44e-05	-1.66e-05
672	310	0.01	-0.09	-0.17	0.0	9.29e-06	-1.37e-05
673	44	-1.37	0.80	-0.40	0.0	-1.22e-04	1.74e-04
673	52	-0.28	1.42	-0.50	0.0	-1.53e-04	4.15e-05
673	68	-0.23	1.68	-0.47	0.0	-1.33e-04	3.40e-05
673	123	-8.63	2.94	-0.51	0.0	-1.03e-03	0.0
673	137	0.67	10.76	-1.08	0.0	-1.49e-05	2.15e-04
673	155	-9.68	3.28	-0.54	0.0	-1.15e-03	-2.60e-06
673	169	0.77	12.11	-1.19	0.0	-6.98e-06	2.39e-04
673	187	-9.53	3.40	-0.55	0.0	-1.13e-03	1.55e-06
673	201	0.78	12.44	-1.22	0.0	-7.74e-06	2.38e-04
673	219	-11.06	4.02	-0.62	0.0	-1.30e-03	1.50e-06
673	225	-0.24	14.83	-1.41	0.0	-1.39e-04	4.82e-04
673	264	-0.92	0.55	-0.28	0.0	-8.53e-05	1.17e-04
673	268	-0.20	0.97	-0.35	0.0	-1.06e-04	2.88e-05
673	276	-0.16	1.14	-0.33	0.0	-9.31e-05	2.38e-05
673	298	-0.17	0.47	-0.26	0.0	-8.57e-05	2.41e-05
673	305	-0.31	0.45	-0.25	0.0	-7.99e-05	4.10e-05
673	307	-0.16	0.57	-0.26	0.0	-8.15e-05	2.23e-05
673	310	-0.16	0.44	-0.25	0.0	-8.10e-05	2.26e-05
674	45	-0.35	-0.05	-0.16	0.0	-2.08e-04	5.51e-05
674	52	0.05	-0.06	-0.53	0.0	1.58e-05	-4.60e-05
674	92	0.02	-0.30	-0.39	0.0	4.48e-06	-2.76e-05
674	122	2.78	-0.77	-0.02	0.0	1.62e-03	-3.78e-04
674	139	-0.27	1.88	-0.84	0.0	-1.68e-04	-2.27e-05
674	140	-0.85	-2.44	0.21	0.0	-5.01e-04	1.18e-04
674	154	3.12	-0.86	8.14e-03	0.0	1.82e-03	-4.23e-04
674	171	-0.30	2.15	-0.92	0.0	-1.90e-04	-2.34e-05
674	172	-0.95	-2.74	0.27	0.0	-5.63e-04	1.35e-04
674	186	3.07	-0.88	0.01	0.0	1.79e-03	-4.17e-04
674	203	-0.30	2.21	-0.93	0.0	-1.90e-04	-2.45e-05
674	204	-0.93	-2.81	0.29	0.0	-5.47e-04	1.33e-04
674	218	3.57	-1.04	0.06	0.0	2.08e-03	-4.82e-04
674	235	-0.36	2.65	-1.06	0.0	-2.24e-04	-2.61e-05
674	236	-1.08	-3.32	0.40	0.0	-6.37e-04	1.59e-04
674	261	-0.23	-0.06	-0.17	0.0	-1.38e-04	3.24e-05
674	268	0.04	-0.04	-0.36	0.0	1.07e-05	-3.13e-05
674	288	0.02	-0.20	-0.27	0.0	3.11e-06	-1.90e-05
674	298	0.02	-0.12	-0.28	0.0	5.52e-06	-2.18e-05
674	303	0.04	-0.11	-0.26	0.0	1.91e-05	-2.45e-05
674	310	0.02	-0.11	-0.26	0.0	5.05e-06	-2.02e-05
675	44	-1.31	0.80	-0.38	0.0	-1.68e-04	1.56e-04
675	52	-0.27	1.42	-0.45	0.0	-1.62e-04	3.94e-05
675	68	-0.21	1.68	-0.41	0.0	-1.40e-04	3.21e-05
675	123	-8.64	2.94	-0.36	0.0	-1.03e-03	6.96e-06
675	137	0.71	10.76	-0.58	0.0	-1.36e-05	2.09e-04
675	155	-9.69	3.28	-0.37	0.0	-1.15e-03	5.64e-06
675	169	0.82	12.11	-0.62	0.0	-4.85e-06	2.33e-04
675	187	-9.54	3.40	-0.38	0.0	-1.13e-03	9.60e-06
675	193	-0.11	12.38	-0.63	0.0	-1.21e-04	4.03e-04
675	201	0.82	12.44	-0.63	0.0	-5.51e-06	2.31e-04
675	219	-11.07	4.02	-0.40	0.0	-1.30e-03	1.10e-05
675	225	-0.12	14.83	-0.71	0.0	-1.31e-04	4.76e-04
675	264	-0.88	0.55	-0.27	0.0	-1.16e-04	1.05e-04
675	268	-0.19	0.97	-0.32	0.0	-1.12e-04	2.74e-05
675	276	-0.15	1.14	-0.29	0.0	-9.79e-05	2.25e-05
675	298	-0.16	0.47	-0.25	0.0	-9.07e-05	2.30e-05
675	305	-0.30	0.45	-0.24	0.0	-8.98e-05	3.78e-05
675	307	-0.15	0.57	-0.24	0.0	-8.61e-05	2.13e-05
675	310	-0.15	0.44	-0.24	0.0	-8.57e-05	2.16e-05

676	45	-0.46	-0.05	-0.23	0.0	-1.85e-04	7.45e-05
676	52	0.06	-0.01	-0.75	0.0	0.0	-6.05e-05
676	92	0.03	-0.35	-0.57	0.0	-3.73e-06	-3.59e-05
676	122	3.59	-1.03	-0.07	0.0	1.40e-03	-5.08e-04
676	139	-0.35	2.63	-1.09	0.0	-4.45e-04	-2.90e-05
676	140	-1.10	-3.32	0.20	0.0	-1.50e-04	1.60e-04
676	154	4.03	-1.15	-0.03	0.0	1.57e-03	-5.68e-04
676	171	-0.40	2.99	-1.18	0.0	-4.99e-04	-2.98e-05
676	172	-1.23	-3.74	0.27	0.0	-1.68e-04	1.83e-04
676	186	3.96	-1.18	-0.03	0.0	1.55e-03	-5.60e-04
676	203	-0.40	3.07	-1.20	0.0	-4.85e-04	-3.12e-05
676	204	-1.20	-3.84	0.29	0.0	-1.69e-04	1.79e-04
676	218	4.60	-1.40	0.04	0.0	1.80e-03	-6.47e-04
676	235	-0.47	3.68	-1.36	0.0	-5.63e-04	-3.33e-05
676	236	-1.40	-4.54	0.42	0.0	-1.99e-04	2.15e-04
676	261	-0.30	-0.06	-0.24	0.0	-1.23e-04	4.40e-05
676	268	0.04	-0.01	-0.52	0.0	0.0	-4.12e-05
676	288	0.02	-0.24	-0.40	0.0	-2.53e-06	-2.48e-05
676	298	0.02	-0.12	-0.41	0.0	-1.30e-06	-2.85e-05
676	303	0.05	-0.12	-0.38	0.0	1.10e-05	-3.22e-05
676	310	0.02	-0.12	-0.38	0.0	-1.23e-06	-2.64e-05
677	44	-1.39	0.83	-0.40	0.0	-1.02e-04	3.50e-05
677	52	-0.37	1.50	-0.50	0.0	-1.65e-04	2.41e-05
677	68	-0.30	1.78	-0.47	0.0	-1.44e-04	2.03e-05
677	123	-9.11	3.16	-0.51	0.0	-9.98e-04	2.38e-05
677	137	0.65	11.55	-1.09	0.0	-3.20e-05	2.09e-04
677	155	-10.21	3.52	-0.55	0.0	-1.11e-03	2.57e-05
677	169	0.76	13.01	-1.20	0.0	-2.55e-05	2.34e-04
677	187	-10.05	3.65	-0.56	0.0	-1.10e-03	2.94e-05
677	201	0.77	13.36	-1.22	0.0	-2.69e-05	2.32e-04
677	219	-11.66	4.32	-0.62	0.0	-1.26e-03	3.57e-05
677	225	-0.33	15.92	-1.42	0.0	-1.56e-04	4.87e-04
677	264	-0.93	0.58	-0.28	0.0	-7.23e-05	2.40e-05
677	268	-0.26	1.02	-0.35	0.0	-1.14e-04	1.67e-05
677	276	-0.21	1.21	-0.33	0.0	-1.00e-04	1.41e-05
677	298	-0.22	0.49	-0.26	0.0	-9.18e-05	1.34e-05
677	305	-0.35	0.47	-0.25	0.0	-8.17e-05	1.46e-05
677	307	-0.20	0.60	-0.26	0.0	-8.74e-05	1.26e-05
677	310	-0.21	0.46	-0.25	0.0	-8.67e-05	1.26e-05
678	45	-0.57	-0.04	-0.33	0.0	-1.40e-04	1.28e-04
678	52	0.06	0.04	-1.06	0.0	-2.19e-05	-7.11e-05
678	92	0.02	-0.39	-0.82	0.0	-1.46e-05	-3.62e-05
678	122	4.31	-1.28	-0.17	0.0	1.01e-03	-7.00e-04
678	139	-0.44	3.35	-1.36	0.0	-3.65e-04	-2.90e-05
678	140	-1.33	-4.17	0.12	0.0	-8.76e-05	2.34e-04
678	154	4.84	-1.43	-0.13	0.0	1.14e-03	-7.84e-04
678	171	-0.49	3.81	-1.47	0.0	-4.08e-04	-2.98e-05
678	172	-1.49	-4.71	0.21	0.0	-9.69e-05	2.67e-04
678	186	4.76	-1.47	-0.12	0.0	1.12e-03	-7.74e-04
678	203	-0.49	3.92	-1.49	0.0	-3.99e-04	-3.23e-05
678	204	-1.45	-4.82	0.23	0.0	-9.54e-05	2.63e-04
678	218	5.53	-1.74	-0.04	0.0	1.31e-03	-8.95e-04
678	235	-0.58	4.69	-1.67	0.0	-4.63e-04	-3.49e-05
678	236	-1.69	-5.71	0.38	0.0	-1.10e-04	3.13e-04
678	261	-0.38	-0.05	-0.35	0.0	-9.51e-05	7.95e-05
678	268	0.04	0.02	-0.73	0.0	-1.48e-05	-4.81e-05
678	288	0.01	-0.27	-0.57	0.0	-9.92e-06	-2.48e-05
678	298	0.02	-0.12	-0.58	0.0	-1.09e-05	-3.11e-05
678	304	-0.07	-0.06	-0.34	0.0	-2.29e-05	4.69e-06
678	310	0.02	-0.12	-0.54	0.0	-1.00e-05	-2.86e-05
679	45	-0.44	0.01	-0.02	0.0	-7.21e-04	9.95e-04
679	52	0.01	0.06	-0.05	0.0	1.70e-05	4.50e-05
679	68	0.01	0.07	-0.04	0.0	1.65e-05	3.67e-05
679	122	0.75	-0.16	-0.01	0.0	1.49e-03	-2.46e-05
679	137	0.08	0.55	-0.07	0.0	1.53e-04	5.15e-06
679	154	0.84	-0.18	-8.39e-03	0.0	1.68e-03	-3.05e-05
679	169	0.09	0.62	-0.07	0.0	1.71e-04	2.85e-06
679	186	0.83	-0.19	-7.93e-03	0.0	1.65e-03	-2.81e-05
679	193	1.41e-03	0.63	-0.07	0.0	3.28e-06	0.0
679	218	0.96	-0.23	-4.59e-03	0.0	1.92e-03	-3.66e-05
679	225	-9.75e-04	0.76	-0.08	0.0	0.0	-3.76e-06
679	261	-0.29	0.01	-0.02	0.0	-4.79e-04	6.69e-04
679	268	7.94e-03	0.04	-0.03	0.0	1.17e-05	3.12e-05
679	276	7.39e-03	0.05	-0.03	0.0	1.14e-05	2.56e-05
679	298	5.80e-03	0.01	-0.03	0.0	8.02e-06	2.64e-05

679	304	-0.06	8.24e-03	-0.02	0.0	-9.20e-05	1.46e-04
679	307	5.70e-03	0.02	-0.03	0.0	8.10e-06	2.45e-05
679	310	5.45e-03	0.01	-0.02	0.0	7.54e-06	2.48e-05
680	45	-0.57	-0.08	-0.42	0.0	-1.14e-04	4.37e-06
680	52	0.09	-0.05	-1.35	0.0	-7.69e-05	-1.77e-04
680	92	0.06	-0.54	-1.06	0.0	-5.35e-05	-1.37e-04
680	122	4.52	-1.52	-0.29	0.0	7.19e-04	-3.48e-04
680	139	-0.44	3.84	-1.59	0.0	-3.56e-04	-1.15e-04
680	140	-1.36	-4.90	0.02	0.0	-3.42e-05	-1.84e-05
680	154	5.07	-1.70	-0.24	0.0	8.13e-04	-3.80e-04
680	171	-0.49	4.37	-1.70	0.0	-3.96e-04	-1.19e-04
680	172	-1.53	-5.52	0.11	0.0	-3.30e-05	-9.90e-06
680	186	4.99	-1.75	-0.23	0.0	8.02e-04	-3.76e-04
680	203	-0.50	4.50	-1.72	0.0	-3.93e-04	-1.16e-04
680	204	-1.49	-5.65	0.14	0.0	-2.86e-05	-1.57e-05
680	218	5.80	-2.06	-0.15	0.0	9.40e-04	-4.23e-04
680	235	-0.59	5.39	-1.92	0.0	-4.53e-04	-1.20e-04
680	236	-1.74	-6.68	0.30	0.0	-2.50e-05	-4.59e-06
680	261	-0.37	-0.09	-0.44	0.0	-8.38e-05	-1.79e-05
680	268	0.06	-0.04	-0.94	0.0	-5.25e-05	-1.22e-04
680	288	0.04	-0.37	-0.74	0.0	-3.70e-05	-9.57e-05
680	298	0.04	-0.20	-0.74	0.0	-3.94e-05	-9.65e-05
680	303	0.08	-0.19	-0.70	0.0	-3.02e-05	-9.39e-05
680	310	0.04	-0.19	-0.70	0.0	-3.66e-05	-9.03e-05
681	43	-0.65	0.11	-1.20	-1.34e-04	-1.32e-03	8.84e-06
681	52	-0.03	0.44	-1.48	-2.64e-04	-1.65e-03	2.38e-06
681	68	-0.02	0.64	-1.29	-2.94e-04	-1.38e-03	1.02e-06
681	123	-4.77	1.58	-1.15	-4.91e-04	-9.13e-04	3.22e-05
681	137	0.47	5.34	-1.36	-1.72e-03	-1.26e-03	-7.29e-06
681	139	-1.52	4.58	-1.52	-1.50e-03	-1.21e-03	-8.70e-05
681	155	-5.36	1.78	-1.20	-5.43e-04	-9.20e-04	3.63e-05
681	169	0.53	6.03	-1.44	-1.94e-03	-1.32e-03	-8.51e-06
681	171	-1.71	5.18	-1.61	-1.68e-03	-1.26e-03	-9.81e-05
681	187	-5.27	1.84	-1.20	-5.61e-04	-9.25e-04	3.87e-05
681	201	0.53	6.18	-1.46	-1.99e-03	-1.33e-03	-7.95e-06
681	203	-1.66	5.32	-1.63	-1.73e-03	-1.27e-03	-9.61e-05
681	219	-6.13	2.20	-1.28	-6.58e-04	-9.40e-04	4.67e-05
681	233	0.63	7.34	-1.59	-2.35e-03	-1.42e-03	-9.69e-06
681	235	-1.92	6.32	-1.79	-2.04e-03	-1.35e-03	-1.13e-04
681	263	-0.43	0.07	-0.84	-9.43e-05	-9.18e-04	5.96e-06
681	268	-0.02	0.29	-1.02	-1.81e-04	-1.14e-03	1.66e-06
681	276	-0.02	0.43	-0.90	-2.00e-04	-9.53e-04	0.0
681	298	-0.02	0.06	-0.82	-1.01e-04	-9.25e-04	1.89e-06
681	305	-0.10	0.06	-0.77	-9.38e-05	-8.59e-04	2.57e-06
681	307	-0.02	0.13	-0.78	-1.14e-04	-8.65e-04	1.51e-06
681	310	-0.02	0.05	-0.77	-9.51e-05	-8.61e-04	1.76e-06
682	43	-0.65	0.10	-1.44	-7.91e-04	-2.33e-03	1.19e-05
682	52	-0.03	0.44	-1.79	-1.02e-03	-2.87e-03	6.92e-06
682	68	-0.02	0.64	-1.56	-9.00e-04	-2.38e-03	4.83e-06
682	123	-4.77	1.56	-1.36	-9.16e-04	-1.60e-03	3.39e-05
682	137	0.47	5.32	-1.69	-1.61e-03	-1.98e-03	9.69e-05
682	139	-1.52	4.56	-1.87	-1.81e-03	-1.91e-03	1.56e-05
682	155	-5.36	1.76	-1.41	-9.70e-04	-1.61e-03	3.80e-05
682	169	0.53	6.02	-1.79	-1.76e-03	-2.04e-03	1.08e-04
682	171	-1.71	5.15	-2.00	-1.98e-03	-1.97e-03	1.72e-05
682	187	-5.27	1.81	-1.42	-9.83e-04	-1.61e-03	4.03e-05
682	201	0.53	6.17	-1.82	-1.80e-03	-2.05e-03	1.07e-04
682	203	-1.66	5.30	-2.02	-2.02e-03	-1.98e-03	1.70e-05
682	219	-6.13	2.17	-1.51	-1.08e-03	-1.64e-03	4.83e-05
682	233	0.63	7.32	-1.99	-2.04e-03	-2.15e-03	1.25e-04
682	235	-1.92	6.29	-2.22	-2.31e-03	-2.07e-03	1.95e-05
682	263	-0.43	0.07	-1.01	-5.47e-04	-1.61e-03	8.10e-06
682	268	-0.02	0.29	-1.24	-7.02e-04	-1.98e-03	4.76e-06
682	276	-0.02	0.43	-1.08	-6.19e-04	-1.65e-03	3.36e-06
682	298	-0.02	0.06	-0.99	-5.41e-04	-1.62e-03	4.37e-06
682	305	-0.10	0.05	-0.93	-5.04e-04	-1.50e-03	4.78e-06
682	307	-0.02	0.13	-0.94	-5.19e-04	-1.51e-03	3.83e-06
682	310	-0.02	0.05	-0.93	-5.03e-04	-1.50e-03	4.04e-06
683	1	0.0	0.0	0.0	0.0	2.43e-04	-4.95e-05
683	113	0.0	0.0	0.0	0.0	9.31e-04	2.48e-06
683	145	0.0	0.0	0.0	0.0	1.04e-03	2.17e-06
683	177	0.0	0.0	0.0	0.0	1.02e-03	2.42e-06
683	209	0.0	0.0	0.0	0.0	1.19e-03	1.94e-06
683	241	0.0	0.0	0.0	0.0	1.62e-04	-3.27e-05
683	297	0.0	0.0	0.0	0.0	5.49e-06	3.21e-06

683	309	0.0	0.0	0.0	0.0	5.49e-06	3.21e-06
684	28	-0.41	0.13	-1.27	-1.75e-04	-5.38e-04	8.26e-06
684	43	-0.65	0.12	-1.07	-1.34e-04	-4.39e-04	9.86e-06
684	68	-0.02	0.65	-1.07	-2.94e-04	-4.74e-04	1.66e-06
684	123	-4.77	1.64	-1.12	-4.91e-04	-3.42e-04	3.40e-05
684	137	0.47	5.39	-0.80	-1.72e-03	-5.61e-04	-9.38e-06
684	155	-5.36	1.85	-1.18	-5.43e-04	-3.49e-04	3.82e-05
684	169	0.53	6.09	-0.82	-1.94e-03	-5.97e-04	-1.10e-05
684	187	-5.28	1.91	-1.17	-5.61e-04	-3.52e-04	4.06e-05
684	201	0.53	6.25	-0.83	-1.99e-03	-6.05e-04	-1.06e-05
684	219	-6.13	2.28	-1.26	-6.58e-04	-3.66e-04	4.89e-05
684	233	0.63	7.42	-0.86	-2.35e-03	-6.66e-04	-1.30e-05
684	256	-0.27	0.09	-0.88	-1.21e-04	-3.71e-04	5.61e-06
684	263	-0.43	0.08	-0.75	-9.43e-05	-3.05e-04	6.68e-06
684	276	-0.02	0.43	-0.75	-2.00e-04	-3.28e-04	1.21e-06
684	298	-0.02	0.06	-0.71	-1.01e-04	-3.07e-04	2.47e-06
684	305	-0.10	0.06	-0.68	-9.38e-05	-2.86e-04	3.15e-06
684	307	-0.02	0.13	-0.67	-1.14e-04	-2.89e-04	2.03e-06
684	310	-0.02	0.06	-0.67	-9.51e-05	-2.86e-04	2.31e-06
685	45	-0.80	0.03	-0.03	0.0	-5.71e-04	1.74e-03
685	52	0.02	0.12	-0.08	0.0	1.07e-05	8.26e-05
685	68	0.02	0.16	-0.07	0.0	1.14e-05	6.80e-05
685	122	1.50	-0.36	-0.01	0.0	1.48e-03	-1.80e-05
685	137	0.15	1.21	-0.13	0.0	1.51e-04	1.36e-05
685	154	1.68	-0.41	-8.23e-03	0.0	1.67e-03	-2.54e-05
685	169	0.17	1.37	-0.14	0.0	1.70e-04	1.01e-05
685	186	1.65	-0.42	-7.29e-03	0.0	1.64e-03	-1.98e-05
685	193	3.66e-03	1.41	-0.14	0.0	3.87e-06	-5.09e-06
685	218	1.92	-0.51	-4.24e-04	0.0	1.91e-03	-2.98e-05
685	225	-6.16e-04	1.69	-0.16	0.0	0.0	-1.38e-05
685	261	-0.53	0.02	-0.03	0.0	-3.80e-04	1.17e-03
685	268	0.01	0.08	-0.06	0.0	7.36e-06	5.72e-05
685	276	0.01	0.11	-0.05	0.0	7.81e-06	4.75e-05
685	298	0.01	0.03	-0.04	0.0	4.31e-06	4.80e-05
685	304	-0.10	0.02	-0.03	0.0	-7.40e-05	2.56e-04
685	307	9.99e-03	0.04	-0.04	0.0	4.66e-06	4.46e-05
685	310	9.45e-03	0.03	-0.04	0.0	4.05e-06	4.51e-05
686	45	-1.05	0.04	-0.04	0.0	-3.72e-04	2.19e-03
686	52	0.03	0.20	-0.11	0.0	0.0	1.16e-04
686	68	0.02	0.26	-0.10	0.0	2.84e-06	9.70e-05
686	122	2.24	-0.58	-0.01	0.0	1.46e-03	-2.62e-05
686	137	0.23	1.99	-0.19	0.0	4.56e-04	5.35e-06
686	154	2.52	-0.67	-6.66e-03	0.0	1.64e-03	-3.64e-05
686	169	0.26	2.24	-0.20	0.0	5.11e-04	-1.55e-06
686	186	2.48	-0.69	-5.25e-03	0.0	1.62e-03	-2.72e-05
686	193	6.89e-03	2.30	-0.21	0.0	2.41e-06	9.35e-05
686	218	2.88	-0.83	5.04e-03	0.0	1.88e-03	-4.18e-05
686	225	1.42e-03	2.77	-0.24	0.0	0.0	1.00e-04
686	261	-0.70	0.04	-0.04	0.0	-2.49e-04	1.47e-03
686	268	0.02	0.13	-0.08	0.0	0.0	8.06e-05
686	276	0.02	0.18	-0.07	0.0	1.85e-06	6.76e-05
686	298	0.01	0.04	-0.06	0.0	-1.66e-06	6.69e-05
686	304	-0.13	0.03	-0.04	0.0	-5.05e-05	3.25e-04
686	307	0.01	0.07	-0.06	0.0	0.0	6.25e-05
686	310	0.01	0.04	-0.06	0.0	-1.56e-06	6.28e-05
687	28	-0.41	0.13	-1.37	-1.75e-04	-6.67e-04	7.97e-06
687	43	-0.65	0.12	-1.15	-1.34e-04	-5.41e-04	9.59e-06
687	68	-0.02	0.64	-1.17	-2.94e-04	-5.86e-04	1.51e-06
687	123	-4.77	1.62	-1.16	-4.91e-04	-3.83e-04	3.36e-05
687	135	-2.31	4.70	-1.18	-1.54e-03	-6.00e-04	1.36e-04
687	137	0.47	5.37	-1.00	-1.72e-03	-6.70e-04	-9.06e-06
687	155	-5.36	1.82	-1.22	-5.43e-04	-3.88e-04	3.78e-05
687	167	-2.59	5.32	-1.24	-1.73e-03	-6.32e-04	1.54e-04
687	169	0.53	6.07	-1.03	-1.94e-03	-7.12e-04	-1.06e-05
687	187	-5.27	1.88	-1.22	-5.61e-04	-3.92e-04	4.02e-05
687	199	-2.55	5.52	-1.26	-1.79e-03	-6.44e-04	1.58e-04
687	201	0.53	6.22	-1.04	-1.99e-03	-7.22e-04	-1.02e-05
687	219	-6.13	2.25	-1.30	-6.58e-04	-4.01e-04	4.85e-05
687	231	-2.98	6.64	-1.36	-2.14e-03	-7.04e-04	1.89e-04
687	233	0.63	7.39	-1.11	-2.35e-03	-7.92e-04	-1.25e-05
687	256	-0.27	0.09	-0.95	-1.21e-04	-4.59e-04	5.41e-06
687	263	-0.43	0.08	-0.80	-9.43e-05	-3.75e-04	6.49e-06
687	276	-0.02	0.43	-0.82	-2.00e-04	-4.05e-04	1.10e-06
687	298	-0.02	0.06	-0.77	-1.01e-04	-3.81e-04	2.32e-06
687	305	-0.10	0.06	-0.73	-9.38e-05	-3.54e-04	2.99e-06

687	307	-0.02	0.13	-0.73	-1.14e-04	-3.59e-04	1.89e-06
687	310	-0.02	0.05	-0.72	-9.51e-05	-3.55e-04	2.16e-06
688	43	-0.77	0.02	-0.03	0.0	-1.06e-03	1.02e-03
688	68	-1.54e-03	0.07	-0.05	0.0	2.52e-06	3.65e-05
688	123	-0.76	0.18	-0.08	0.0	-1.49e-03	7.23e-05
688	137	0.23	0.54	-0.21	0.0	1.40e-04	5.60e-06
688	155	-0.86	0.21	-0.09	0.0	-1.68e-03	7.80e-05
688	169	0.26	0.61	-0.24	0.0	1.58e-04	3.38e-06
688	187	-0.84	0.21	-0.09	0.0	-1.65e-03	7.55e-05
688	193	-0.01	0.63	-0.25	0.0	-1.63e-05	0.0
688	201	0.25	0.63	-0.25	0.0	1.59e-04	4.82e-06
688	219	-0.98	0.25	-0.11	0.0	-1.92e-03	8.37e-05
688	225	-0.01	0.76	-0.29	0.0	-2.22e-05	-3.72e-06
688	263	-0.52	0.02	-0.02	0.0	-7.09e-04	6.82e-04
688	276	-1.14e-03	0.05	-0.04	0.0	1.64e-06	2.55e-05
688	305	-0.11	0.01	-0.02	0.0	-1.43e-04	1.56e-04
688	307	-2.43e-03	0.02	-0.02	0.0	0.0	2.43e-05
688	310	-2.78e-03	0.01	-0.02	0.0	-1.61e-06	2.46e-05
689	1	0.0	0.0	0.0	0.0	3.52e-04	-4.51e-05
689	113	0.0	0.0	0.0	0.0	9.16e-04	1.84e-06
689	145	0.0	0.0	0.0	0.0	1.03e-03	1.53e-06
689	177	0.0	0.0	0.0	0.0	1.01e-03	1.78e-06
689	209	0.0	0.0	0.0	0.0	1.17e-03	1.31e-06
689	241	0.0	0.0	0.0	0.0	2.35e-04	-2.98e-05
689	297	0.0	0.0	0.0	0.0	0.0	2.80e-06
689	309	0.0	0.0	0.0	0.0	0.0	2.80e-06
690	43	-0.65	0.11	-1.16	-1.34e-04	-8.00e-04	9.36e-06
690	52	-0.03	0.44	-1.41	-2.64e-04	-1.01e-03	2.82e-06
690	68	-0.02	0.64	-1.22	-2.94e-04	-8.51e-04	1.36e-06
690	123	-4.77	1.60	-1.15	-4.91e-04	-5.48e-04	3.32e-05
690	137	0.47	5.35	-1.17	-1.72e-03	-8.81e-04	-8.69e-06
690	139	-1.52	4.60	-1.33	-1.50e-03	-8.33e-04	-8.80e-05
690	155	-5.36	1.80	-1.21	-5.43e-04	-5.52e-04	3.74e-05
690	169	0.53	6.05	-1.22	-1.94e-03	-9.28e-04	-1.01e-05
690	171	-1.71	5.20	-1.41	-1.68e-03	-8.74e-04	-9.92e-05
690	187	-5.27	1.86	-1.21	-5.61e-04	-5.56e-04	3.98e-05
690	201	0.53	6.20	-1.24	-1.99e-03	-9.39e-04	-9.71e-06
690	203	-1.66	5.35	-1.42	-1.73e-03	-8.83e-04	-9.74e-05
690	219	-6.13	2.22	-1.29	-6.58e-04	-5.66e-04	4.80e-05
690	233	0.63	7.37	-1.33	-2.35e-03	-1.02e-03	-1.19e-05
690	235	-1.92	6.35	-1.54	-2.04e-03	-9.51e-04	-1.14e-04
690	263	-0.43	0.08	-0.81	-9.43e-05	-5.54e-04	6.33e-06
690	268	-0.02	0.29	-0.98	-1.81e-04	-6.96e-04	1.97e-06
690	276	-0.02	0.43	-0.85	-2.00e-04	-5.89e-04	0.0
690	298	-0.02	0.06	-0.79	-1.01e-04	-5.62e-04	2.18e-06
690	305	-0.10	0.06	-0.75	-9.38e-05	-5.22e-04	2.86e-06
690	307	-0.02	0.13	-0.75	-1.14e-04	-5.28e-04	1.77e-06
690	310	-0.02	0.05	-0.74	-9.51e-05	-5.23e-04	2.03e-06
691	43	-1.39	0.05	-0.06	0.0	-8.17e-04	1.78e-03
691	68	-3.85e-03	0.16	-0.10	0.0	0.0	6.80e-05
691	123	-1.51	0.41	-0.15	0.0	-1.47e-03	1.07e-04
691	137	0.46	1.21	-0.39	0.0	1.36e-04	1.36e-05
691	155	-1.70	0.46	-0.17	0.0	-1.65e-03	1.14e-04
691	169	0.52	1.37	-0.44	0.0	1.53e-04	1.01e-05
691	187	-1.67	0.47	-0.17	0.0	-1.62e-03	1.08e-04
691	193	-0.02	1.41	-0.45	0.0	-1.90e-05	-5.40e-06
691	201	0.50	1.41	-0.45	0.0	1.55e-04	1.32e-05
691	219	-1.94	0.56	-0.20	0.0	-1.89e-03	1.18e-04
691	225	-0.03	1.69	-0.53	0.0	-2.51e-05	-1.42e-05
691	263	-0.93	0.04	-0.04	0.0	-5.45e-04	1.19e-03
691	276	-2.81e-03	0.11	-0.07	0.0	0.0	4.75e-05
691	305	-0.19	0.03	-0.04	0.0	-1.12e-04	2.74e-04
691	307	-5.21e-03	0.04	-0.04	0.0	-3.02e-06	4.46e-05
691	310	-5.88e-03	0.03	-0.04	0.0	-3.62e-06	4.50e-05
692	43	-1.80	0.08	-0.09	0.0	-4.95e-04	2.25e-03
692	68	-8.49e-03	0.26	-0.14	0.0	-5.94e-06	9.71e-05
692	123	-2.24	0.66	-0.21	0.0	-1.44e-03	1.52e-04
692	137	0.20	1.99	-0.53	0.0	1.30e-04	4.21e-06
692	155	-2.52	0.74	-0.23	0.0	-1.61e-03	1.62e-04
692	169	0.23	2.24	-0.60	0.0	1.47e-04	-2.85e-06
692	187	-2.47	0.77	-0.24	0.0	-1.59e-03	1.53e-04
692	193	-0.04	2.30	-0.61	0.0	-2.28e-05	9.29e-05
692	201	0.23	2.30	-0.61	0.0	1.48e-04	0.0
692	219	-2.88	0.91	-0.27	0.0	-1.85e-03	1.68e-04
692	225	-0.05	2.77	-0.72	0.0	-2.91e-05	9.95e-05

692	263	-1.20	0.06	-0.06	0.0	-3.30e-04	1.50e-03
692	276	-6.09e-03	0.18	-0.10	0.0	-4.25e-06	6.77e-05
692	305	-0.25	0.04	-0.06	0.0	-7.14e-05	3.50e-04
692	307	-9.33e-03	0.07	-0.06	0.0	-6.25e-06	6.25e-05
692	310	-0.01	0.04	-0.06	0.0	-6.84e-06	6.28e-05
693	28	-0.41	0.13	-1.06	-1.75e-04	-4.86e-04	7.80e-06
693	43	-0.65	0.13	-0.90	-1.34e-04	-4.02e-04	9.40e-06
693	68	-0.02	0.65	-0.88	-2.94e-04	-4.21e-04	1.15e-06
693	123	-4.77	1.66	-1.00	-4.91e-04	-3.65e-04	3.32e-05
693	137	0.47	5.41	-0.57	-1.72e-03	-4.47e-04	-8.70e-06
693	155	-5.36	1.87	-1.05	-5.43e-04	-3.79e-04	3.75e-05
693	169	0.53	6.11	-0.57	-1.94e-03	-4.73e-04	-1.02e-05
693	187	-5.28	1.93	-1.05	-5.61e-04	-3.80e-04	3.99e-05
693	201	0.53	6.27	-0.58	-1.99e-03	-4.79e-04	-9.74e-06
693	219	-6.13	2.31	-1.13	-6.58e-04	-4.03e-04	4.80e-05
693	233	0.63	7.45	-0.58	-2.35e-03	-5.22e-04	-1.19e-05
693	256	-0.28	0.09	-0.74	-1.21e-04	-3.35e-04	5.30e-06
693	263	-0.43	0.09	-0.63	-9.43e-05	-2.79e-04	6.36e-06
693	276	-0.02	0.43	-0.62	-2.00e-04	-2.92e-04	0.0
693	298	-0.02	0.06	-0.59	-1.01e-04	-2.75e-04	2.30e-06
693	305	-0.11	0.06	-0.56	-9.38e-05	-2.57e-04	2.95e-06
693	307	-0.02	0.13	-0.56	-1.14e-04	-2.59e-04	1.83e-06
693	310	-0.02	0.06	-0.55	-9.51e-05	-2.56e-04	2.14e-06
694	45	-1.18	0.06	-0.05	0.0	-1.60e-04	2.29e-03
694	52	0.02	0.27	-0.14	0.0	-1.41e-05	1.43e-04
694	68	0.02	0.37	-0.13	0.0	-9.38e-06	1.20e-04
694	122	2.97	-0.83	-0.01	0.0	1.42e-03	-1.04e-04
694	137	0.30	2.84	-0.24	0.0	4.38e-04	1.95e-04
694	154	3.34	-0.95	-5.90e-03	0.0	1.60e-03	-1.26e-04
694	169	0.34	3.21	-0.26	0.0	4.92e-04	2.10e-04
694	186	3.29	-0.98	-4.07e-03	0.0	1.57e-03	-1.21e-04
694	193	9.43e-03	3.29	-0.27	0.0	-3.89e-06	2.42e-04
694	218	3.82	-1.19	9.37e-03	0.0	1.83e-03	-1.54e-04
694	225	3.34e-03	3.96	-0.31	0.0	-5.78e-06	2.73e-04
694	261	-0.78	0.05	-0.05	0.0	-1.09e-04	1.55e-03
694	268	0.02	0.18	-0.10	0.0	-9.80e-06	9.88e-05
694	276	0.02	0.25	-0.09	0.0	-6.67e-06	8.37e-05
694	298	0.01	0.06	-0.08	0.0	-9.89e-06	8.10e-05
694	304	-0.15	0.04	-0.05	0.0	-2.63e-05	3.46e-04
694	307	0.01	0.09	-0.07	0.0	-8.63e-06	7.60e-05
694	310	9.44e-03	0.05	-0.07	0.0	-9.29e-06	7.60e-05
695	45	-0.11	-0.02	-0.04	0.0	-2.17e-04	1.90e-05
695	52	0.01	-0.05	-0.11	0.0	1.99e-05	-1.60e-05
695	76	7.47e-03	-0.12	-0.11	0.0	1.11e-05	-1.28e-05
695	122	0.89	-0.25	-0.03	0.0	1.73e-03	-1.26e-04
695	139	-0.09	0.56	-0.11	0.0	-1.81e-04	-8.00e-06
695	140	-0.28	-0.76	-0.02	0.0	-5.38e-04	3.89e-05
695	154	1.00	-0.27	-0.02	0.0	1.94e-03	-1.40e-04
695	171	-0.10	0.64	-0.12	0.0	-2.04e-04	-8.24e-06
695	172	-0.31	-0.85	-0.01	0.0	-6.04e-04	4.47e-05
695	186	0.99	-0.28	-0.02	0.0	1.91e-03	-1.39e-04
695	203	-0.10	0.66	-0.12	0.0	-2.04e-04	-8.60e-06
695	204	-0.30	-0.87	-0.01	0.0	-5.88e-04	4.39e-05
695	218	1.15	-0.33	-0.01	0.0	2.22e-03	-1.60e-04
695	235	-0.12	0.79	-0.13	0.0	-2.40e-04	-9.18e-06
695	236	-0.35	-1.03	-3.31e-03	0.0	-6.85e-04	5.26e-05
695	261	-0.07	-0.03	-0.04	0.0	-1.44e-04	1.12e-05
695	268	8.36e-03	-0.04	-0.08	0.0	1.34e-05	-1.09e-05
695	280	5.08e-03	-0.08	-0.08	0.0	7.57e-06	-8.77e-06
695	298	4.75e-03	-0.05	-0.06	0.0	7.25e-06	-7.58e-06
695	304	-0.01	-0.03	-0.04	0.0	-2.64e-05	0.0
695	310	4.36e-03	-0.05	-0.06	0.0	6.63e-06	-7.03e-06
696	1	0.0	0.0	0.0	0.0	7.16e-05	-2.49e-06
696	113	0.0	0.0	0.0	0.0	1.15e-03	-1.12e-05
696	145	0.0	0.0	0.0	0.0	1.29e-03	-1.24e-05
696	177	0.0	0.0	0.0	0.0	1.27e-03	-1.21e-05
696	209	0.0	0.0	0.0	0.0	1.48e-03	-1.38e-05
696	241	0.0	0.0	0.0	0.0	4.79e-05	-1.71e-06
696	297	0.0	0.0	0.0	0.0	3.31e-06	0.0
696	309	0.0	0.0	0.0	0.0	3.31e-06	0.0
697	45	-0.22	-0.04	-0.08	0.0	-2.10e-04	3.67e-05
697	52	0.02	-0.07	-0.23	0.0	1.43e-05	-3.10e-05
697	92	8.15e-03	-0.22	-0.19	0.0	3.16e-06	-1.86e-05
697	122	1.76	-0.51	-0.05	0.0	1.65e-03	-2.53e-04
697	139	-0.18	1.19	-0.24	0.0	-1.77e-04	-1.55e-05

697	140	-0.55	-1.58	-0.03	0.0	-5.16e-04	7.89e-05
697	154	1.98	-0.56	-0.04	0.0	1.85e-03	-2.83e-04
697	171	-0.21	1.36	-0.25	0.0	-1.99e-04	-1.60e-05
697	172	-0.61	-1.77	-0.02	0.0	-5.80e-04	9.04e-05
697	186	1.94	-0.58	-0.04	0.0	1.82e-03	-2.79e-04
697	203	-0.21	1.40	-0.25	0.0	-1.99e-04	-1.67e-05
697	204	-0.60	-1.82	-0.02	0.0	-5.64e-04	8.88e-05
697	218	2.26	-0.68	-0.03	0.0	2.12e-03	-3.22e-04
697	235	-0.24	1.68	-0.28	0.0	-2.34e-04	-1.79e-05
697	236	-0.70	-2.14	1.59e-04	0.0	-6.56e-04	1.06e-04
697	261	-0.15	-0.05	-0.08	0.0	-1.39e-04	2.16e-05
697	268	0.02	-0.05	-0.16	0.0	9.63e-06	-2.11e-05
697	288	5.61e-03	-0.15	-0.13	0.0	2.17e-06	-1.29e-05
697	298	8.67e-03	-0.09	-0.13	0.0	4.65e-06	-1.47e-05
697	304	-0.03	-0.05	-0.08	0.0	-2.65e-05	-1.47e-06
697	310	7.94e-03	-0.09	-0.12	0.0	4.22e-06	-1.36e-05
698	45	-0.33	-0.05	-0.11	0.0	-1.97e-04	5.35e-05
698	52	0.03	-0.05	-0.35	0.0	4.65e-06	-4.54e-05
698	92	9.64e-03	-0.29	-0.28	0.0	-2.42e-06	-2.74e-05
698	122	2.58	-0.77	-0.08	0.0	1.52e-03	-3.66e-04
698	139	-0.27	1.89	-0.36	0.0	-1.68e-04	-2.28e-05
698	140	-0.80	-2.44	-0.05	0.0	-4.81e-04	1.13e-04
698	154	2.89	-0.85	-0.06	0.0	1.71e-03	-4.10e-04
698	171	-0.30	2.15	-0.38	0.0	-1.89e-04	-2.35e-05
698	172	-0.90	-2.74	-0.03	0.0	-5.40e-04	1.30e-04
698	186	2.85	-0.88	-0.06	0.0	1.68e-03	-4.04e-04
698	203	-0.30	2.21	-0.38	0.0	-1.89e-04	-2.44e-05
698	204	-0.88	-2.81	-0.03	0.0	-5.25e-04	1.27e-04
698	218	3.31	-1.03	-0.04	0.0	1.95e-03	-4.67e-04
698	235	-0.36	2.65	-0.42	0.0	-2.22e-04	-2.61e-05
698	236	-1.02	-3.32	3.30e-03	0.0	-6.10e-04	1.53e-04
698	261	-0.22	-0.06	-0.12	0.0	-1.31e-04	3.14e-05
698	268	0.02	-0.04	-0.24	0.0	3.05e-06	-3.09e-05
698	288	6.64e-03	-0.20	-0.20	0.0	-1.67e-06	-1.89e-05
698	298	0.01	-0.12	-0.19	0.0	0.0	-2.15e-05
698	304	-0.04	-0.06	-0.12	0.0	-2.66e-05	-2.23e-06
698	310	9.99e-03	-0.11	-0.18	0.0	0.0	-2.00e-05
699	45	-0.10	-0.02	-0.03	0.0	-2.01e-04	1.79e-05
699	52	4.84e-03	-0.05	-0.07	0.0	5.93e-06	-1.56e-05
699	76	1.42e-03	-0.12	-0.07	0.0	0.0	-1.26e-05
699	122	0.82	-0.25	-0.02	0.0	1.60e-03	-1.19e-04
699	139	-0.09	0.56	-0.06	0.0	-1.81e-04	-8.02e-06
699	140	-0.26	-0.76	-0.02	0.0	-5.09e-04	3.64e-05
699	154	0.93	-0.28	-0.02	0.0	1.80e-03	-1.33e-04
699	171	-0.10	0.64	-0.07	0.0	-2.04e-04	-8.28e-06
699	172	-0.29	-0.86	-0.02	0.0	-5.71e-04	4.17e-05
699	186	0.91	-0.28	-0.02	0.0	1.76e-03	-1.31e-04
699	204	-0.29	-0.88	-0.02	0.0	-5.57e-04	4.09e-05
699	207	-0.17	0.73	-0.07	0.0	-3.25e-04	8.25e-06
699	218	1.06	-0.33	-0.01	0.0	2.05e-03	-1.51e-04
699	236	-0.33	-1.03	-0.01	0.0	-6.47e-04	4.91e-05
699	239	-0.19	0.87	-0.07	0.0	-3.78e-04	1.04e-05
699	261	-0.07	-0.03	-0.03	0.0	-1.34e-04	1.04e-05
699	268	3.21e-03	-0.03	-0.05	0.0	3.88e-06	-1.06e-05
699	280	9.35e-04	-0.08	-0.05	0.0	0.0	-8.60e-06
699	298	1.17e-03	-0.05	-0.04	0.0	0.0	-7.42e-06
699	304	-0.01	-0.03	-0.03	0.0	-2.72e-05	0.0
699	310	1.03e-03	-0.05	-0.04	0.0	0.0	-6.89e-06
700	1	0.0	0.0	0.0	0.0	6.09e-05	-2.40e-06
700	113	0.0	0.0	0.0	0.0	1.08e-03	-1.07e-05
700	145	0.0	0.0	0.0	0.0	1.21e-03	-1.18e-05
700	177	0.0	0.0	0.0	0.0	1.19e-03	-1.15e-05
700	209	0.0	0.0	0.0	0.0	1.39e-03	-1.32e-05
700	241	0.0	0.0	0.0	0.0	4.05e-05	-1.65e-06
700	297	0.0	0.0	0.0	0.0	0.0	0.0
700	309	0.0	0.0	0.0	0.0	0.0	0.0
701	45	-0.20	-0.04	-0.05	0.0	-1.96e-04	3.38e-05
701	52	8.15e-03	-0.07	-0.14	0.0	1.40e-06	-2.97e-05
701	92	-8.04e-04	-0.21	-0.12	0.0	-4.85e-06	-1.81e-05
701	122	1.63	-0.51	-0.04	0.0	1.53e-03	-2.34e-04
701	140	-0.52	-1.58	-0.04	0.0	-4.93e-04	7.16e-05
701	143	-0.29	1.31	-0.13	0.0	-2.80e-04	1.44e-05
701	154	1.83	-0.56	-0.03	0.0	1.72e-03	-2.62e-04
701	172	-0.58	-1.78	-0.04	0.0	-5.53e-04	8.21e-05
701	175	-0.33	1.50	-0.13	0.0	-3.15e-04	1.77e-05

701	186	1.80	-0.58	-0.03	0.0	1.69e-03	-2.58e-04
701	204	-0.56	-1.82	-0.03	0.0	-5.38e-04	8.04e-05
701	207	-0.33	1.54	-0.13	0.0	-3.14e-04	1.71e-05
701	218	2.09	-0.68	-0.02	0.0	1.97e-03	-2.98e-04
701	236	-0.66	-2.15	-0.03	0.0	-6.25e-04	9.63e-05
701	239	-0.38	1.85	-0.14	0.0	-3.66e-04	2.13e-05
701	261	-0.14	-0.05	-0.05	0.0	-1.31e-04	1.97e-05
701	268	5.39e-03	-0.05	-0.10	0.0	0.0	-2.03e-05
701	288	-5.74e-04	-0.15	-0.08	0.0	-3.37e-06	-1.25e-05
701	298	1.62e-03	-0.09	-0.08	0.0	-1.57e-06	-1.42e-05
701	304	-0.03	-0.05	-0.05	0.0	-2.74e-05	-1.70e-06
701	310	1.41e-03	-0.09	-0.08	0.0	-1.56e-06	-1.32e-05
702	41	-0.30	-0.08	-0.11	0.0	-1.89e-04	4.15e-05
702	52	8.31e-03	-0.05	-0.21	0.0	-6.09e-06	-4.21e-05
702	92	-3.50e-03	-0.29	-0.18	0.0	-9.40e-06	-2.58e-05
702	122	2.38	-0.77	-0.06	0.0	1.43e-03	-3.69e-04
702	140	-0.76	-2.44	-0.06	0.0	-1.70e-04	9.64e-05
702	143	-0.43	2.08	-0.19	0.0	-5.62e-04	1.99e-05
702	154	2.68	-0.85	-0.05	0.0	1.61e-03	-4.12e-04
702	172	-0.85	-2.74	-0.05	0.0	-1.91e-04	1.11e-04
702	175	-0.49	2.37	-0.20	0.0	-6.31e-04	2.45e-05
702	186	2.63	-0.88	-0.05	0.0	1.59e-03	-4.05e-04
702	204	-0.83	-2.81	-0.05	0.0	-1.90e-04	1.08e-04
702	207	-0.48	2.43	-0.20	0.0	-6.17e-04	2.38e-05
702	218	3.06	-1.03	-0.04	0.0	1.84e-03	-4.68e-04
702	236	-0.97	-3.32	-0.04	0.0	-2.23e-04	1.30e-04
702	239	-0.56	2.91	-0.21	0.0	-7.15e-04	3.00e-05
702	261	-0.20	-0.05	-0.08	0.0	-1.26e-04	2.70e-05
702	268	5.43e-03	-0.04	-0.15	0.0	-4.29e-06	-2.87e-05
702	288	-2.44e-03	-0.20	-0.12	0.0	-6.51e-06	-1.79e-05
702	298	6.06e-04	-0.11	-0.12	0.0	-5.15e-06	-2.02e-05
702	304	-0.04	-0.06	-0.08	0.0	-2.78e-05	-2.65e-06
702	309	-7.30e-04	-0.06	-0.08	0.0	-3.17e-06	-1.01e-05
702	310	4.15e-04	-0.11	-0.11	0.0	-4.86e-06	-1.87e-05
703	28	-0.06	-0.09	-0.05	0.0	-1.20e-04	-1.39e-06
703	43	-0.10	-0.07	-0.04	0.0	-1.93e-04	8.90e-06
703	92	-4.39e-03	-0.11	-0.04	0.0	-9.98e-06	-9.10e-06
703	123	-0.76	0.15	-0.03	0.0	-1.50e-03	9.42e-05
703	128	-0.75	-0.23	-0.04	0.0	-1.38e-03	1.08e-04
703	140	-0.25	-0.76	-0.03	0.0	-1.82e-04	3.18e-05
703	155	-0.86	0.18	-0.03	0.0	-1.69e-03	1.07e-04
703	160	-0.84	-0.25	-0.04	0.0	-1.55e-03	1.22e-04
703	172	-0.28	-0.86	-0.03	0.0	-2.03e-04	3.66e-05
703	187	-0.84	0.19	-0.03	0.0	-1.66e-03	1.05e-04
703	192	-0.83	-0.26	-0.04	0.0	-1.52e-03	1.20e-04
703	204	-0.27	-0.88	-0.03	0.0	-2.03e-04	3.58e-05
703	219	-0.98	0.23	-0.04	0.0	-1.93e-03	1.23e-04
703	224	-0.96	-0.30	-0.04	0.0	-1.77e-03	1.41e-04
703	236	-0.32	-1.03	-0.03	0.0	-2.37e-04	4.30e-05
703	256	-0.04	-0.06	-0.03	0.0	-8.03e-05	-1.15e-06
703	263	-0.06	-0.05	-0.03	0.0	-1.29e-04	5.71e-06
703	288	-3.05e-03	-0.08	-0.03	0.0	-6.92e-06	-6.29e-06
703	298	-2.30e-03	-0.05	-0.03	0.0	-5.52e-06	-7.08e-06
703	305	-0.01	-0.05	-0.03	0.0	-2.98e-05	-4.01e-06
703	310	-2.18e-03	-0.05	-0.03	0.0	-5.23e-06	-6.57e-06
704	1	0.0	0.0	0.0	0.0	5.11e-05	-2.22e-06
704	113	0.0	0.0	0.0	0.0	1.03e-03	-7.60e-06
704	145	0.0	0.0	0.0	0.0	1.15e-03	-8.36e-06
704	177	0.0	0.0	0.0	0.0	1.13e-03	-8.20e-06
704	209	0.0	0.0	0.0	0.0	1.32e-03	-9.33e-06
704	241	0.0	0.0	0.0	0.0	3.38e-05	-1.53e-06
704	297	0.0	0.0	0.0	0.0	-3.29e-06	0.0
704	309	0.0	0.0	0.0	0.0	-3.29e-06	0.0
705	28	-0.12	-0.15	-0.09	0.0	-1.20e-04	-2.87e-06
705	44	-0.19	-0.13	-0.08	0.0	-1.91e-04	1.54e-05
705	92	-9.33e-03	-0.21	-0.08	0.0	-1.14e-05	-1.69e-05
705	123	-1.51	0.34	-0.07	0.0	-1.46e-03	2.08e-04
705	124	-1.36	-0.41	-0.07	0.0	-1.31e-03	1.78e-04
705	140	-0.18	-1.58	-0.06	0.0	-1.79e-04	5.95e-05
705	155	-1.70	0.39	-0.07	0.0	-1.64e-03	2.36e-04
705	156	-1.53	-0.46	-0.07	0.0	-1.47e-03	2.02e-04
705	172	-0.20	-1.78	-0.06	0.0	-2.00e-04	6.83e-05
705	187	-1.67	0.41	-0.07	0.0	-1.62e-03	2.31e-04
705	188	-1.50	-0.47	-0.07	0.0	-1.45e-03	1.99e-04
705	204	-0.20	-1.82	-0.06	0.0	-2.00e-04	6.66e-05

705	219	-1.94	0.51	-0.07	0.0	-1.88e-03	2.71e-04
705	220	-1.74	-0.56	-0.07	0.0	-1.68e-03	2.33e-04
705	236	-0.24	-2.15	-0.06	0.0	-2.33e-04	7.99e-05
705	256	-0.08	-0.11	-0.07	0.0	-8.05e-05	-2.33e-06
705	264	-0.13	-0.09	-0.06	0.0	-1.28e-04	9.83e-06
705	288	-6.47e-03	-0.15	-0.06	0.0	-7.93e-06	-1.17e-05
705	298	-5.02e-03	-0.09	-0.05	0.0	-6.65e-06	-1.31e-05
705	305	-0.03	-0.08	-0.05	0.0	-3.05e-05	-7.52e-06
705	310	-4.76e-03	-0.08	-0.05	0.0	-6.27e-06	-1.22e-05
706	28	-0.18	-0.19	-0.14	0.0	-1.21e-04	-4.55e-06
706	44	-0.29	-0.15	-0.12	0.0	-1.90e-04	1.94e-05
706	92	-0.02	-0.29	-0.12	0.0	-1.36e-05	-2.28e-05
706	123	-2.24	0.56	-0.10	0.0	-1.41e-03	2.66e-04
706	124	-2.01	-0.61	-0.10	0.0	-1.27e-03	2.24e-04
706	140	-0.27	-2.44	-0.09	0.0	-1.76e-04	7.20e-05
706	155	-2.51	0.64	-0.10	0.0	-1.59e-03	3.01e-04
706	156	-2.25	-0.68	-0.11	0.0	-1.42e-03	2.54e-04
706	172	-0.30	-2.74	-0.09	0.0	-1.96e-04	8.29e-05
706	187	-2.47	0.67	-0.10	0.0	-1.56e-03	2.96e-04
706	188	-2.22	-0.71	-0.11	0.0	-1.40e-03	2.50e-04
706	204	-0.30	-2.81	-0.09	0.0	-1.96e-04	8.01e-05
706	219	-2.87	0.82	-0.11	0.0	-1.81e-03	3.47e-04
706	220	-2.57	-0.83	-0.11	0.0	-1.62e-03	2.94e-04
706	236	-0.35	-3.32	-0.09	0.0	-2.28e-04	9.62e-05
706	256	-0.12	-0.13	-0.10	0.0	-8.11e-05	-3.61e-06
706	264	-0.19	-0.11	-0.09	0.0	-1.27e-04	1.24e-05
706	288	-0.01	-0.20	-0.09	0.0	-9.45e-06	-1.58e-05
706	298	-8.60e-03	-0.11	-0.08	0.0	-8.34e-06	-1.76e-05
706	305	-0.04	-0.10	-0.08	0.0	-3.16e-05	-1.03e-05
706	310	-8.13e-03	-0.10	-0.08	0.0	-7.84e-06	-1.64e-05
707	44	-0.09	-0.07	-0.03	0.0	-1.87e-04	7.38e-06
707	76	-9.95e-03	-0.11	-0.04	0.0	-1.94e-05	-1.14e-05
707	92	-8.59e-03	-0.11	-0.03	0.0	-1.68e-05	-8.67e-06
707	123	-0.71	0.15	-0.02	0.0	-1.42e-03	9.84e-05
707	140	-0.09	-0.76	-0.03	0.0	-1.82e-04	2.76e-05
707	144	-0.13	-0.70	-0.03	0.0	-2.65e-04	4.08e-05
707	155	-0.80	0.18	-0.02	0.0	-1.59e-03	1.11e-04
707	172	-0.10	-0.85	-0.04	0.0	-2.04e-04	3.18e-05
707	176	-0.15	-0.79	-0.04	0.0	-2.98e-04	4.66e-05
707	187	-0.79	0.19	-0.02	0.0	-1.57e-03	1.09e-04
707	204	-0.10	-0.87	-0.04	0.0	-2.03e-04	3.10e-05
707	208	-0.15	-0.81	-0.04	0.0	-2.96e-04	4.57e-05
707	219	-0.92	0.23	-0.02	0.0	-1.82e-03	1.28e-04
707	236	-0.12	-1.03	-0.04	0.0	-2.36e-04	3.72e-05
707	240	-0.17	-0.95	-0.04	0.0	-3.43e-04	5.44e-05
707	264	-0.06	-0.05	-0.02	0.0	-1.25e-04	4.70e-06
707	280	-6.86e-03	-0.08	-0.03	0.0	-1.34e-05	-7.80e-06
707	288	-5.95e-03	-0.08	-0.02	0.0	-1.16e-05	-6.00e-06
707	298	-5.54e-03	-0.05	-0.02	0.0	-1.08e-05	-6.71e-06
707	305	-0.02	-0.05	-0.02	0.0	-3.29e-05	-3.91e-06
707	310	-5.20e-03	-0.05	-0.02	0.0	-1.01e-05	-6.23e-06
708	1	0.0	0.0	0.0	0.0	4.26e-05	-2.05e-06
708	113	0.0	0.0	0.0	0.0	9.80e-04	-6.52e-06
708	145	0.0	0.0	0.0	0.0	1.10e-03	-7.16e-06
708	177	0.0	0.0	0.0	0.0	1.08e-03	-7.01e-06
708	209	0.0	0.0	0.0	0.0	1.26e-03	-7.95e-06
708	241	0.0	0.0	0.0	0.0	2.80e-05	-1.41e-06
708	297	0.0	0.0	0.0	0.0	-6.18e-06	0.0
708	309	0.0	0.0	0.0	0.0	-6.18e-06	0.0
709	44	-0.19	-0.12	-0.06	0.0	-1.88e-04	1.30e-05
709	76	-0.02	-0.20	-0.07	0.0	-1.90e-05	-2.05e-05
709	92	-0.02	-0.21	-0.06	0.0	-1.65e-05	-1.57e-05
709	123	-1.42	0.34	-0.04	0.0	-1.41e-03	1.81e-04
709	140	-0.18	-1.58	-0.07	0.0	-1.82e-04	4.91e-05
709	144	-0.27	-1.46	-0.07	0.0	-2.64e-04	7.42e-05
709	155	-1.60	0.39	-0.04	0.0	-1.58e-03	2.04e-04
709	172	-0.20	-1.77	-0.08	0.0	-2.03e-04	5.66e-05
709	176	-0.30	-1.64	-0.08	0.0	-2.96e-04	8.48e-05
709	187	-1.57	0.41	-0.04	0.0	-1.56e-03	2.01e-04
709	204	-0.20	-1.82	-0.08	0.0	-2.02e-04	5.47e-05
709	208	-0.30	-1.68	-0.08	0.0	-2.94e-04	8.29e-05
709	219	-1.83	0.51	-0.04	0.0	-1.81e-03	2.35e-04
709	236	-0.24	-2.15	-0.09	0.0	-2.36e-04	6.57e-05
709	240	-0.34	-1.98	-0.09	0.0	-3.41e-04	9.85e-05
709	264	-0.12	-0.09	-0.04	0.0	-1.25e-04	8.25e-06

709	280	-0.01	-0.14	-0.05	0.0	-1.31e-05	-1.41e-05
709	288	-0.01	-0.14	-0.04	0.0	-1.14e-05	-1.09e-05
709	298	-0.01	-0.09	-0.04	0.0	-1.05e-05	-1.21e-05
709	305	-0.03	-0.08	-0.04	0.0	-3.29e-05	-7.11e-06
709	310	-0.01	-0.08	-0.04	0.0	-9.90e-06	-1.13e-05
710	44	-0.28	-0.15	-0.09	0.0	-1.89e-04	1.60e-05
710	76	-0.03	-0.27	-0.10	0.0	-1.82e-05	-2.63e-05
710	92	-0.03	-0.29	-0.09	0.0	-1.59e-05	-2.01e-05
710	123	-2.13	0.56	-0.06	0.0	-1.40e-03	2.19e-04
710	140	-0.27	-2.43	-0.12	0.0	-1.82e-04	5.47e-05
710	144	-0.40	-2.24	-0.12	0.0	-2.62e-04	8.75e-05
710	155	-2.39	0.65	-0.06	0.0	-1.57e-03	2.47e-04
710	172	-0.31	-2.74	-0.13	0.0	-2.03e-04	6.31e-05
710	176	-0.45	-2.53	-0.13	0.0	-2.93e-04	1.00e-04
710	187	-2.35	0.67	-0.06	0.0	-1.54e-03	2.43e-04
710	204	-0.30	-2.81	-0.13	0.0	-2.02e-04	6.01e-05
710	208	-0.44	-2.59	-0.13	0.0	-2.92e-04	9.71e-05
710	219	-2.73	0.83	-0.06	0.0	-1.79e-03	2.85e-04
710	236	-0.35	-3.32	-0.14	0.0	-2.35e-04	7.22e-05
710	240	-0.51	-3.06	-0.14	0.0	-3.38e-04	1.15e-04
710	264	-0.19	-0.10	-0.07	0.0	-1.26e-04	1.01e-05
710	280	-0.02	-0.18	-0.07	0.0	-1.25e-05	-1.81e-05
710	288	-0.02	-0.19	-0.07	0.0	-1.10e-05	-1.39e-05
710	298	-0.02	-0.11	-0.06	0.0	-1.01e-05	-1.55e-05
710	305	-0.05	-0.10	-0.06	0.0	-3.27e-05	-9.19e-06
710	310	-0.02	-0.10	-0.06	0.0	-9.46e-06	-1.44e-05
711	45	-0.42	-0.04	-0.15	0.0	-1.78e-04	6.85e-05
711	52	0.03	-4.77e-03	-0.47	0.0	-9.89e-06	-5.92e-05
711	92	7.97e-03	-0.34	-0.38	0.0	-1.09e-05	-3.58e-05
711	122	3.31	-1.03	-0.11	0.0	1.33e-03	-4.73e-04
711	139	-0.35	2.63	-0.48	0.0	-4.35e-04	-2.96e-05
711	140	-1.03	-3.32	-0.07	0.0	-1.51e-04	1.45e-04
711	154	3.72	-1.15	-0.09	0.0	1.49e-03	-5.28e-04
711	171	-0.40	3.00	-0.51	0.0	-4.87e-04	-3.05e-05
711	172	-1.16	-3.74	-0.05	0.0	-1.68e-04	1.66e-04
711	186	3.66	-1.18	-0.09	0.0	1.47e-03	-5.22e-04
711	203	-0.40	3.08	-0.51	0.0	-4.74e-04	-3.15e-05
711	204	-1.13	-3.83	-0.04	0.0	-1.69e-04	1.63e-04
711	218	4.25	-1.40	-0.06	0.0	1.71e-03	-6.02e-04
711	235	-0.47	3.69	-0.56	0.0	-5.49e-04	-3.35e-05
711	236	-1.32	-4.54	-1.71e-03	0.0	-1.97e-04	1.95e-04
711	261	-0.28	-0.05	-0.16	0.0	-1.20e-04	4.00e-05
711	268	0.02	-8.02e-03	-0.33	0.0	-6.83e-06	-4.03e-05
711	288	5.49e-03	-0.23	-0.27	0.0	-7.51e-06	-2.48e-05
711	298	0.01	-0.12	-0.26	0.0	-6.64e-06	-2.81e-05
711	304	-0.05	-0.06	-0.16	0.0	-2.69e-05	-3.15e-06
711	310	9.65e-03	-0.11	-0.25	0.0	-6.21e-06	-2.61e-05
712	45	-0.51	-0.03	-0.21	0.0	-1.56e-04	7.83e-05
712	52	0.02	0.07	-0.62	0.0	-3.09e-05	-7.30e-05
712	69	0.02	0.38	-0.22	0.0	-9.19e-06	-3.09e-05
712	122	3.91	-1.26	-0.16	0.0	1.12e-03	-6.27e-04
712	139	-0.43	3.38	-0.61	0.0	-3.96e-04	-3.76e-05
712	140	-1.23	-4.16	-0.12	0.0	-1.25e-04	1.64e-04
712	154	4.39	-1.41	-0.14	0.0	1.26e-03	-7.01e-04
712	171	-0.48	3.83	-0.65	0.0	-4.42e-04	-3.86e-05
712	172	-1.38	-4.69	-0.09	0.0	-1.39e-04	1.88e-04
712	186	4.32	-1.46	-0.14	0.0	1.24e-03	-6.89e-04
712	203	-0.48	3.94	-0.65	0.0	-4.32e-04	-3.96e-05
712	204	-1.34	-4.81	-0.08	0.0	-1.38e-04	1.84e-04
712	218	5.02	-1.73	-0.10	0.0	1.44e-03	-7.96e-04
712	235	-0.56	4.71	-0.71	0.0	-4.99e-04	-4.19e-05
712	236	-1.56	-5.70	-0.03	0.0	-1.59e-04	2.21e-04
712	261	-0.34	-0.04	-0.22	0.0	-1.08e-04	4.51e-05
712	268	0.02	0.05	-0.43	0.0	-2.12e-05	-4.98e-05
712	288	1.32e-03	-0.25	-0.36	0.0	-1.66e-05	-3.12e-05
712	298	6.57e-03	-0.11	-0.35	0.0	-1.69e-05	-3.51e-05
712	304	-0.07	-0.05	-0.21	0.0	-2.84e-05	-5.03e-06
712	310	5.91e-03	-0.10	-0.33	0.0	-1.57e-05	-3.26e-05
713	43	-0.39	-0.15	-0.23	0.0	-1.87e-04	2.85e-05
713	52	3.58e-03	2.21e-03	-0.28	0.0	-1.60e-05	-5.11e-05
713	92	-9.14e-03	-0.34	-0.24	0.0	-1.56e-05	-3.19e-05
713	123	-3.07	0.81	-0.23	0.0	-1.34e-03	3.80e-04
713	140	-0.99	-3.32	-0.08	0.0	-1.61e-04	1.05e-04
713	143	-0.56	2.91	-0.25	0.0	-5.26e-04	2.24e-05
713	155	-3.45	0.93	-0.23	0.0	-1.50e-03	4.30e-04

713	172	-1.10	-3.75	-0.07	0.0	-1.80e-04	1.21e-04
713	175	-0.63	3.30	-0.26	0.0	-5.90e-04	2.79e-05
713	187	-3.40	0.96	-0.23	0.0	-1.48e-03	4.22e-04
713	204	-1.08	-3.84	-0.07	0.0	-1.80e-04	1.17e-04
713	207	-0.63	3.39	-0.26	0.0	-5.77e-04	2.77e-05
713	219	-3.95	1.18	-0.25	0.0	-1.72e-03	4.95e-04
713	236	-1.25	-4.54	-0.06	0.0	-2.10e-04	1.40e-04
713	239	-0.73	4.06	-0.28	0.0	-6.68e-04	3.53e-05
713	263	-0.26	-0.11	-0.16	0.0	-1.25e-04	1.82e-05
713	268	2.14e-03	-3.21e-03	-0.20	0.0	-1.10e-05	-3.49e-05
713	288	-6.34e-03	-0.23	-0.17	0.0	-1.08e-05	-2.20e-05
713	298	-2.74e-03	-0.12	-0.16	0.0	-9.95e-06	-2.47e-05
713	305	-0.05	-0.11	-0.15	0.0	-3.23e-05	-1.44e-05
713	310	-2.73e-03	-0.11	-0.15	0.0	-9.32e-06	-2.29e-05
714	43	-0.49	-0.12	-0.30	0.0	-1.83e-04	2.29e-05
714	52	-7.94e-03	0.09	-0.36	0.0	-2.63e-05	-5.37e-05
714	69	6.30e-03	0.39	-0.13	0.0	-6.83e-06	-2.22e-05
714	123	-3.71	1.08	-0.29	0.0	-1.25e-03	3.27e-04
714	140	-1.20	-4.17	-0.11	0.0	-1.53e-04	7.61e-05
714	143	-0.68	3.74	-0.32	0.0	-4.98e-04	1.53e-05
714	155	-4.17	1.23	-0.30	0.0	-1.40e-03	3.71e-04
714	172	-1.34	-4.71	-0.10	0.0	-1.70e-04	8.82e-05
714	175	-0.76	4.24	-0.33	0.0	-5.57e-04	2.03e-05
714	187	-4.10	1.28	-0.30	0.0	-1.38e-03	3.64e-04
714	204	-1.31	-4.83	-0.10	0.0	-1.70e-04	8.31e-05
714	207	-0.76	4.35	-0.33	0.0	-5.45e-04	2.20e-05
714	219	-4.76	1.55	-0.32	0.0	-1.60e-03	4.28e-04
714	236	-1.52	-5.72	-0.08	0.0	-1.97e-04	1.00e-04
714	239	-0.88	5.20	-0.36	0.0	-6.31e-04	2.98e-05
714	263	-0.32	-0.08	-0.21	0.0	-1.23e-04	1.43e-05
714	268	-5.79e-03	0.06	-0.25	0.0	-1.81e-05	-3.67e-05
714	288	-0.01	-0.24	-0.22	0.0	-1.54e-05	-2.39e-05
714	298	-9.44e-03	-0.10	-0.21	0.0	-1.51e-05	-2.63e-05
714	305	-0.07	-0.09	-0.20	0.0	-3.56e-05	-1.64e-05
714	310	-8.99e-03	-0.09	-0.20	0.0	-1.41e-05	-2.45e-05
715	28	-0.24	-0.19	-0.19	0.0	-1.22e-04	-6.20e-06
715	44	-0.38	-0.15	-0.17	0.0	-1.89e-04	1.94e-05
715	92	-0.02	-0.33	-0.16	0.0	-1.60e-05	-2.53e-05
715	123	-2.93	0.81	-0.13	0.0	-1.36e-03	2.69e-04
715	124	-2.62	-0.80	-0.14	0.0	-1.22e-03	2.17e-04
715	140	-0.36	-3.33	-0.12	0.0	-1.72e-04	6.45e-05
715	155	-3.29	0.94	-0.14	0.0	-1.53e-03	3.04e-04
715	156	-2.95	-0.90	-0.14	0.0	-1.37e-03	2.46e-04
715	172	-0.40	-3.75	-0.12	0.0	-1.92e-04	7.45e-05
715	187	-3.23	0.97	-0.14	0.0	-1.50e-03	2.99e-04
715	188	-2.90	-0.93	-0.14	0.0	-1.35e-03	2.43e-04
715	204	-0.40	-3.84	-0.12	0.0	-1.91e-04	7.04e-05
715	219	-3.76	1.19	-0.14	0.0	-1.75e-03	3.51e-04
715	220	-3.37	-1.10	-0.15	0.0	-1.56e-03	2.84e-04
715	236	-0.47	-4.55	-0.12	0.0	-2.23e-04	8.46e-05
715	256	-0.16	-0.13	-0.13	0.0	-8.18e-05	-4.79e-06
715	264	-0.26	-0.10	-0.12	0.0	-1.26e-04	1.23e-05
715	288	-0.02	-0.23	-0.12	0.0	-1.11e-05	-1.75e-05
715	298	-0.01	-0.11	-0.11	0.0	-1.01e-05	-1.95e-05
715	305	-0.06	-0.10	-0.10	0.0	-3.27e-05	-1.16e-05
715	310	-0.01	-0.10	-0.10	0.0	-9.52e-06	-1.81e-05
716	28	-0.30	-0.14	-0.25	0.0	-1.23e-04	-6.52e-06
716	44	-0.48	-0.11	-0.22	0.0	-1.88e-04	1.57e-05
716	69	-2.05e-03	0.39	-0.09	0.0	-3.73e-06	-1.52e-05
716	123	-3.59	1.10	-0.18	0.0	-1.32e-03	2.16e-04
716	140	-0.44	-4.20	-0.15	0.0	-1.69e-04	4.29e-05
716	155	-4.03	1.26	-0.18	0.0	-1.48e-03	2.45e-04
716	172	-0.50	-4.74	-0.15	0.0	-1.89e-04	4.98e-05
716	187	-3.97	1.30	-0.18	0.0	-1.46e-03	2.41e-04
716	204	-0.49	-4.86	-0.15	0.0	-1.88e-04	4.38e-05
716	219	-4.61	1.58	-0.19	0.0	-1.69e-03	2.84e-04
716	236	-0.58	-5.76	-0.15	0.0	-2.19e-04	5.23e-05
716	256	-0.20	-0.10	-0.17	0.0	-8.23e-05	-4.96e-06
716	264	-0.32	-0.07	-0.16	0.0	-1.26e-04	9.84e-06
716	273	-5.86e-03	0.24	-0.09	0.0	-5.00e-06	-1.38e-05
716	298	-0.02	-0.09	-0.14	0.0	-1.13e-05	-1.75e-05
716	305	-0.08	-0.08	-0.14	0.0	-3.35e-05	-1.07e-05
716	310	-0.02	-0.08	-0.14	0.0	-1.06e-05	-1.63e-05
717	44	-0.37	-0.14	-0.13	0.0	-1.90e-04	1.60e-05
717	76	-0.04	-0.29	-0.14	0.0	-1.67e-05	-2.70e-05

717	92	-0.03	-0.33	-0.13	0.0	-1.48e-05	-2.07e-05
717	123	-2.82	0.82	-0.08	0.0	-1.39e-03	2.09e-04
717	140	-0.36	-3.32	-0.16	0.0	-1.82e-04	4.51e-05
717	144	-0.53	-3.06	-0.17	0.0	-2.60e-04	8.06e-05
717	155	-3.17	0.94	-0.08	0.0	-1.56e-03	2.37e-04
717	172	-0.41	-3.75	-0.18	0.0	-2.03e-04	5.22e-05
717	176	-0.59	-3.44	-0.18	0.0	-2.91e-04	9.22e-05
717	187	-3.12	0.97	-0.08	0.0	-1.53e-03	2.33e-04
717	204	-0.40	-3.84	-0.18	0.0	-2.02e-04	4.77e-05
717	208	-0.59	-3.53	-0.18	0.0	-2.89e-04	8.80e-05
717	219	-3.62	1.19	-0.08	0.0	-1.78e-03	2.73e-04
717	236	-0.47	-4.54	-0.20	0.0	-2.35e-04	5.72e-05
717	264	-0.25	-0.10	-0.09	0.0	-1.27e-04	1.01e-05
717	280	-0.03	-0.20	-0.10	0.0	-1.16e-05	-1.85e-05
717	288	-0.02	-0.22	-0.09	0.0	-1.03e-05	-1.43e-05
717	298	-0.02	-0.11	-0.08	0.0	-9.21e-06	-1.59e-05
717	305	-0.07	-0.10	-0.08	0.0	-3.22e-05	-9.49e-06
717	310	-0.02	-0.10	-0.08	0.0	-8.67e-06	-1.48e-05
718	44	-0.47	-0.09	-0.17	0.0	-1.91e-04	1.35e-05
718	69	-7.88e-03	0.41	-0.06	0.0	-1.16e-06	-1.16e-05
718	76	-0.05	-0.26	-0.19	0.0	-1.46e-05	-2.20e-05
718	123	-3.51	1.13	-0.10	0.0	-1.38e-03	1.60e-04
718	140	-0.46	-4.25	-0.22	0.0	-1.81e-04	3.50e-05
718	144	-0.66	-3.90	-0.22	0.0	-2.57e-04	6.25e-05
718	155	-3.94	1.29	-0.10	0.0	-1.55e-03	1.81e-04
718	172	-0.51	-4.79	-0.24	0.0	-2.03e-04	4.03e-05
718	187	-3.88	1.33	-0.10	0.0	-1.52e-03	1.78e-04
718	204	-0.51	-4.91	-0.24	0.0	-2.01e-04	3.46e-05
718	219	-4.50	1.62	-0.10	0.0	-1.77e-03	2.10e-04
718	236	-0.59	-5.83	-0.27	0.0	-2.34e-04	4.09e-05
718	264	-0.31	-0.06	-0.12	0.0	-1.28e-04	8.51e-06
718	273	-0.01	0.25	-0.07	0.0	-2.65e-06	-1.05e-05
718	280	-0.03	-0.18	-0.13	0.0	-1.01e-05	-1.51e-05
718	298	-0.03	-0.08	-0.11	0.0	-7.97e-06	-1.30e-05
718	305	-0.08	-0.07	-0.10	0.0	-3.15e-05	-7.73e-06
718	310	-0.02	-0.07	-0.10	0.0	-7.51e-06	-1.22e-05
719	43	-0.57	-0.11	-0.67	0.0	-1.69e-04	-2.01e-05
719	52	4.82e-03	0.15	-0.82	0.0	-5.26e-05	-9.58e-05
719	70	0.01	0.47	-0.32	0.0	-1.83e-05	-3.70e-05
719	123	-4.36	1.26	-0.63	0.0	-1.02e-03	2.15e-04
719	139	-0.49	3.95	-0.76	0.0	-3.78e-04	-6.89e-05
719	140	-1.39	-4.79	-0.19	0.0	-1.04e-04	2.19e-05
719	155	-4.91	1.44	-0.66	0.0	-1.14e-03	2.47e-04
719	171	-0.54	4.48	-0.80	0.0	-4.22e-04	-7.15e-05
719	172	-1.56	-5.41	-0.16	0.0	-1.13e-04	3.00e-05
719	187	-4.82	1.49	-0.66	0.0	-1.12e-03	2.43e-04
719	203	-0.55	4.61	-0.81	0.0	-4.14e-04	-6.87e-05
719	204	-1.51	-5.55	-0.15	0.0	-1.11e-04	2.35e-05
719	219	-5.61	1.80	-0.70	0.0	-1.30e-03	2.91e-04
719	235	-0.64	5.50	-0.88	0.0	-4.77e-04	-7.14e-05
719	236	-1.76	-6.58	-0.09	0.0	-1.25e-04	3.37e-05
719	263	-0.38	-0.07	-0.47	0.0	-1.14e-04	-1.54e-05
719	268	2.95e-03	0.10	-0.57	0.0	-3.60e-05	-6.59e-05
719	274	7.84e-03	0.29	-0.32	0.0	-1.79e-05	-3.55e-05
719	298	-3.64e-03	-0.09	-0.46	0.0	-2.78e-05	-5.05e-05
719	305	-0.08	-0.08	-0.43	0.0	-4.31e-05	-4.02e-05
719	310	-3.57e-03	-0.08	-0.43	0.0	-2.59e-05	-4.72e-05
720	43	-0.65	0.10	-0.94	0.0	-5.35e-04	4.88e-05
720	52	-0.04	0.43	-1.16	0.0	-5.00e-04	4.99e-05
720	68	-0.03	0.64	-1.01	0.0	-4.12e-04	3.99e-05
720	123	-4.76	1.56	-0.84	0.0	-1.92e-03	2.73e-05
720	137	0.49	5.32	-0.88	0.0	2.71e-04	1.41e-04
720	139	-1.54	4.56	-0.97	0.0	-4.21e-04	3.80e-05
720	155	-5.35	1.76	-0.87	0.0	-2.13e-03	2.77e-05
720	169	0.56	6.01	-0.91	0.0	3.38e-04	1.56e-04
720	171	-1.72	5.15	-1.02	0.0	-4.40e-04	3.97e-05
720	187	-5.26	1.81	-0.87	0.0	-2.10e-03	3.01e-05
720	201	0.56	6.16	-0.92	0.0	3.26e-04	1.55e-04
720	203	-1.68	5.29	-1.02	0.0	-4.36e-04	4.06e-05
720	219	-6.11	2.17	-0.92	0.0	-2.39e-03	3.26e-05
720	233	0.66	7.32	-0.98	0.0	4.25e-04	1.77e-04
720	235	-1.94	6.29	-1.10	0.0	-4.64e-04	4.38e-05
720	263	-0.43	0.07	-0.66	0.0	-3.68e-04	3.35e-05
720	268	-0.03	0.29	-0.80	0.0	-3.44e-04	3.43e-05
720	276	-0.02	0.43	-0.70	0.0	-2.86e-04	2.76e-05

720	298	-0.03	0.05	-0.65	0.0	-2.86e-04	2.88e-05
720	305	-0.11	0.05	-0.61	0.0	-2.83e-04	2.76e-05
720	307	-0.02	0.13	-0.62	0.0	-2.66e-04	2.65e-05
720	310	-0.02	0.05	-0.61	0.0	-2.66e-04	2.67e-05
721	43	-0.57	-0.07	-0.39	0.0	-1.80e-04	5.81e-06
721	52	-0.02	0.19	-0.48	0.0	-3.23e-05	-4.68e-05
721	70	1.76e-03	0.47	-0.20	0.0	-9.74e-06	-1.98e-05
721	123	-4.25	1.29	-0.36	0.0	-1.19e-03	1.97e-04
721	140	-0.50	-4.78	-0.16	0.0	-1.47e-04	3.49e-05
721	143	-1.65	4.37	-0.39	0.0	-4.80e-04	-5.84e-06
721	155	-4.77	1.47	-0.38	0.0	-1.34e-03	2.24e-04
721	172	-0.56	-5.40	-0.15	0.0	-1.63e-04	4.13e-05
721	175	-1.86	4.95	-0.41	0.0	-5.37e-04	-3.43e-06
721	187	-4.69	1.52	-0.38	0.0	-1.32e-03	2.20e-04
721	204	-0.56	-5.53	-0.14	0.0	-1.62e-04	3.44e-05
721	207	-1.81	5.08	-0.41	0.0	-5.26e-04	0.0
721	219	-5.45	1.83	-0.40	0.0	-1.53e-03	2.61e-04
721	236	-0.66	-6.56	-0.12	0.0	-1.88e-04	4.18e-05
721	239	-2.10	6.05	-0.44	0.0	-6.08e-04	5.97e-06
721	263	-0.38	-0.05	-0.27	0.0	-1.21e-04	2.96e-06
721	268	-0.02	0.13	-0.33	0.0	-2.22e-05	-3.21e-05
721	274	-3.13e-03	0.30	-0.20	0.0	-1.03e-05	-1.83e-05
721	298	-0.02	-0.06	-0.27	0.0	-1.80e-05	-2.38e-05
721	305	-0.09	-0.05	-0.26	0.0	-3.73e-05	-1.69e-05
721	308	-0.01	-0.06	-0.17	0.0	-9.48e-06	-1.23e-05
721	310	-0.02	-0.06	-0.25	0.0	-1.67e-05	-2.22e-05
722	44	-0.65	0.11	-0.60	0.0	-2.72e-04	3.08e-05
722	52	-0.04	0.43	-0.69	0.0	-1.62e-04	2.58e-05
722	68	-0.03	0.64	-0.61	0.0	-1.33e-04	1.98e-05
722	123	-4.75	1.56	-0.49	0.0	-1.42e-03	4.17e-05
722	137	0.52	5.32	-0.48	0.0	5.63e-05	5.58e-06
722	143	-1.86	4.99	-0.53	0.0	-6.05e-04	-4.37e-05
722	155	-5.34	1.76	-0.51	0.0	-1.59e-03	4.55e-05
722	169	0.58	6.01	-0.50	0.0	7.42e-05	4.35e-06
722	175	-2.09	5.64	-0.55	0.0	-6.69e-04	-5.10e-05
722	187	-5.25	1.81	-0.51	0.0	-1.56e-03	4.81e-05
722	201	0.58	6.16	-0.50	0.0	7.46e-05	4.50e-06
722	207	-2.04	5.79	-0.55	0.0	-6.56e-04	-4.96e-05
722	219	-6.10	2.17	-0.53	0.0	-1.80e-03	5.56e-05
722	233	0.69	7.32	-0.53	0.0	1.03e-04	2.55e-06
722	239	-2.36	6.88	-0.59	0.0	-7.46e-04	-6.06e-05
722	264	-0.43	0.07	-0.42	0.0	-1.85e-04	2.11e-05
722	268	-0.03	0.29	-0.48	0.0	-1.12e-04	1.77e-05
722	276	-0.02	0.43	-0.43	0.0	-9.31e-05	1.37e-05
722	298	-0.03	0.05	-0.39	0.0	-9.49e-05	1.53e-05
722	305	-0.11	0.05	-0.37	0.0	-1.07e-04	1.54e-05
722	307	-0.02	0.13	-0.37	0.0	-8.83e-05	1.39e-05
722	310	-0.03	0.05	-0.37	0.0	-8.91e-05	1.42e-05
723	28	-0.36	-0.06	-0.33	0.0	-1.22e-04	-5.53e-06
723	44	-0.56	-0.04	-0.29	0.0	-1.87e-04	9.60e-06
723	70	-4.48e-03	0.48	-0.13	0.0	-4.09e-06	-1.19e-05
723	123	-4.17	1.31	-0.23	0.0	-1.30e-03	1.32e-04
723	140	-0.52	-4.77	-0.20	0.0	-1.67e-04	5.33e-06
723	155	-4.69	1.49	-0.24	0.0	-1.46e-03	1.50e-04
723	172	-0.58	-5.39	-0.20	0.0	-1.87e-04	7.32e-06
723	187	-4.61	1.54	-0.23	0.0	-1.43e-03	1.49e-04
723	204	-0.58	-5.53	-0.20	0.0	-1.86e-04	4.56e-06
723	219	-5.36	1.86	-0.24	0.0	-1.66e-03	1.76e-04
723	236	-0.67	-6.57	-0.20	0.0	-2.16e-04	6.22e-06
723	256	-0.24	-0.04	-0.23	0.0	-8.18e-05	-4.16e-06
723	264	-0.38	-0.03	-0.20	0.0	-1.25e-04	5.93e-06
723	274	-8.69e-03	0.31	-0.14	0.0	-5.22e-06	-1.06e-05
723	298	-0.02	-0.04	-0.19	0.0	-1.12e-05	-1.26e-05
723	305	-0.09	-0.04	-0.18	0.0	-3.33e-05	-7.93e-06
723	308	-0.02	-0.06	-0.12	0.0	-6.41e-06	-6.49e-06
723	310	-0.02	-0.04	-0.18	0.0	-1.05e-05	-1.17e-05
724	28	-0.41	0.11	-0.48	0.0	-1.75e-04	1.33e-05
724	44	-0.64	0.11	-0.43	0.0	-2.10e-04	1.59e-05
724	68	-0.03	0.64	-0.41	0.0	-8.08e-05	3.20e-06
724	123	-4.75	1.56	-0.32	0.0	-1.46e-03	3.18e-05
724	137	0.54	5.32	-0.24	0.0	3.93e-04	-4.85e-06
724	155	-5.33	1.75	-0.33	0.0	-1.63e-03	3.57e-05
724	169	0.61	6.01	-0.24	0.0	4.48e-04	-6.07e-06
724	187	-5.25	1.81	-0.33	0.0	-1.60e-03	3.83e-05
724	201	0.61	6.16	-0.24	0.0	4.35e-04	-5.88e-06

724	219	-6.09	2.16	-0.34	0.0	-1.86e-03	4.60e-05
724	233	0.72	7.32	-0.23	0.0	5.15e-04	-7.80e-06
724	256	-0.28	0.08	-0.34	0.0	-1.19e-04	9.00e-06
724	264	-0.43	0.07	-0.30	0.0	-1.43e-04	1.07e-05
724	276	-0.02	0.43	-0.29	0.0	-5.66e-05	2.24e-06
724	298	-0.03	0.05	-0.27	0.0	-5.74e-05	4.11e-06
724	305	-0.11	0.05	-0.26	0.0	-7.08e-05	5.14e-06
724	307	-0.03	0.13	-0.26	0.0	-5.35e-05	3.45e-06
724	310	-0.03	0.05	-0.26	0.0	-5.42e-05	3.75e-06
725	44	-0.56	-0.02	-0.22	0.0	-1.92e-04	9.32e-06
725	70	-8.80e-03	0.49	-0.09	0.0	0.0	-8.88e-06
725	76	-0.05	-0.20	-0.25	0.0	-1.25e-05	-1.45e-05
725	123	-4.13	1.34	-0.13	0.0	-1.37e-03	9.73e-05
725	140	-0.54	-4.78	-0.28	0.0	-1.81e-04	4.95e-06
725	155	-4.64	1.52	-0.13	0.0	-1.54e-03	1.10e-04
725	172	-0.60	-5.40	-0.30	0.0	-2.02e-04	6.50e-06
725	187	-4.56	1.57	-0.13	0.0	-1.52e-03	1.10e-04
725	204	-0.60	-5.53	-0.31	0.0	-2.00e-04	4.48e-06
725	219	-5.30	1.89	-0.13	0.0	-1.76e-03	1.30e-04
725	236	-0.69	-6.58	-0.34	0.0	-2.34e-04	5.94e-06
725	264	-0.37	-0.01	-0.16	0.0	-1.28e-04	5.88e-06
725	274	-0.01	0.32	-0.10	0.0	-1.88e-06	-7.82e-06
725	280	-0.04	-0.14	-0.17	0.0	-8.64e-06	-1.00e-05
725	298	-0.03	-0.03	-0.14	0.0	-6.73e-06	-8.65e-06
725	305	-0.10	-0.02	-0.14	0.0	-3.06e-05	-5.10e-06
725	306	-0.02	0.05	-0.10	0.0	-3.69e-06	-5.30e-06
725	310	-0.03	-0.03	-0.14	0.0	-6.37e-06	-8.10e-06
726	44	-0.64	0.11	-0.32	0.0	-1.86e-04	9.92e-06
726	68	-0.04	0.64	-0.29	0.0	-6.80e-05	-3.35e-06
726	76	-0.06	-0.07	-0.36	0.0	-8.26e-05	0.0
726	123	-4.74	1.55	-0.20	0.0	-1.40e-03	2.84e-05
726	137	0.56	5.32	-0.03	0.0	1.14e-04	-8.81e-06
726	140	-0.62	-5.22	-0.36	0.0	-2.03e-04	8.06e-06
726	155	-5.33	1.75	-0.19	0.0	-1.57e-03	3.23e-05
726	169	0.63	6.01	-0.01	0.0	1.34e-04	-9.99e-06
726	172	-0.69	-5.91	-0.38	0.0	-2.23e-04	9.24e-06
726	187	-5.24	1.81	-0.19	0.0	-1.54e-03	3.50e-05
726	201	0.63	6.16	-7.34e-03	0.0	1.33e-04	-9.68e-06
726	204	-0.69	-6.06	-0.39	0.0	-2.22e-04	8.93e-06
726	219	-6.08	2.16	-0.19	0.0	-1.79e-03	4.28e-05
726	233	0.74	7.31	0.03	0.0	1.64e-04	-1.15e-05
726	236	-0.80	-7.21	-0.42	0.0	-2.53e-04	1.07e-05
726	264	-0.43	0.07	-0.23	0.0	-1.27e-04	6.56e-06
726	276	-0.03	0.43	-0.21	0.0	-4.77e-05	-2.29e-06
726	280	-0.04	-0.05	-0.25	0.0	-5.74e-05	0.0
726	298	-0.03	0.05	-0.21	0.0	-4.70e-05	0.0
726	305	-0.11	0.05	-0.20	0.0	-5.99e-05	1.08e-06
726	307	-0.03	0.13	-0.19	0.0	-4.41e-05	0.0
726	310	-0.03	0.05	-0.20	0.0	-4.45e-05	0.0
727	44	-0.94	0.37	-0.32	0.0	-1.81e-04	1.69e-05
727	52	-0.20	0.89	-0.37	0.0	-7.73e-05	1.69e-05
727	68	-0.17	1.15	-0.36	0.0	-6.49e-05	1.39e-05
727	123	-6.98	1.97	-0.47	0.0	-1.22e-03	2.98e-04
727	137	0.86	8.09	-0.70	0.0	3.73e-04	7.51e-05
727	139	-2.51	6.97	-0.83	0.0	-2.09e-04	1.31e-04
727	155	-7.84	2.21	-0.51	0.0	-1.37e-03	3.34e-04
727	169	0.98	9.13	-0.77	0.0	4.24e-04	8.38e-05
727	171	-2.80	7.86	-0.91	0.0	-2.30e-04	1.46e-04
727	187	-7.71	2.29	-0.51	0.0	-1.35e-03	3.31e-04
727	201	0.96	9.36	-0.79	0.0	4.16e-04	8.41e-05
727	203	-2.75	8.07	-0.93	0.0	-2.26e-04	1.43e-04
727	219	-8.94	2.73	-0.57	0.0	-1.56e-03	3.86e-04
727	233	1.14	11.09	-0.90	0.0	4.93e-04	9.75e-05
727	235	-3.19	9.56	-1.07	0.0	-2.56e-04	1.65e-04
727	264	-0.63	0.26	-0.23	0.0	-1.23e-04	1.17e-05
727	268	-0.14	0.60	-0.26	0.0	-5.37e-05	1.16e-05
727	276	-0.12	0.77	-0.25	0.0	-4.55e-05	9.67e-06
727	305	-0.21	0.22	-0.19	0.0	-5.81e-05	9.42e-06
727	307	-0.11	0.32	-0.20	0.0	-4.26e-05	9.02e-06
727	310	-0.11	0.22	-0.19	0.0	-4.31e-05	8.97e-06
728	44	-1.03	0.46	-0.33	0.0	-1.82e-04	1.25e-05
728	52	-0.24	1.04	-0.38	0.0	-7.64e-05	1.31e-05
728	68	-0.20	1.31	-0.37	0.0	-6.41e-05	1.03e-05
728	123	-7.56	2.73	-0.48	0.0	-1.11e-03	2.77e-04
728	137	0.92	9.04	-0.70	0.0	3.39e-04	6.58e-05

728	139	-2.73	7.78	-0.82	0.0	-1.96e-04	1.34e-04
728	155	-8.48	3.05	-0.52	0.0	-1.24e-03	3.11e-04
728	169	1.04	10.19	-0.76	0.0	3.87e-04	7.34e-05
728	171	-3.05	8.77	-0.91	0.0	-2.15e-04	1.49e-04
728	187	-8.35	3.15	-0.53	0.0	-1.22e-03	3.08e-04
728	201	1.03	10.45	-0.78	0.0	3.79e-04	7.28e-05
728	203	-2.99	9.01	-0.92	0.0	-2.12e-04	1.45e-04
728	219	-9.68	3.73	-0.59	0.0	-1.42e-03	3.60e-04
728	233	1.22	12.38	-0.89	0.0	4.50e-04	8.42e-05
728	235	-3.47	10.67	-1.06	0.0	-2.39e-04	1.68e-04
728	264	-0.69	0.32	-0.24	0.0	-1.24e-04	8.60e-06
728	268	-0.16	0.71	-0.27	0.0	-5.31e-05	9.02e-06
728	276	-0.14	0.89	-0.26	0.0	-4.49e-05	7.19e-06
728	305	-0.24	0.27	-0.20	0.0	-5.79e-05	7.34e-06
728	307	-0.13	0.39	-0.21	0.0	-4.22e-05	7.06e-06
728	310	-0.13	0.27	-0.20	0.0	-4.26e-05	7.10e-06
729	44	-1.50	0.95	-0.46	0.0	-1.80e-04	2.44e-05
729	52	-0.52	1.76	-0.50	0.0	-1.51e-04	2.09e-05
729	68	-0.44	2.06	-0.47	0.0	-1.32e-04	1.92e-05
729	123	-9.95	3.19	-0.56	0.0	-7.69e-04	3.18e-04
729	137	1.09	12.22	-0.68	0.0	1.07e-05	1.98e-04
729	139	-3.67	10.56	-0.81	0.0	-3.23e-04	9.42e-05
729	155	-11.15	3.54	-0.60	0.0	-8.54e-04	3.57e-04
729	169	1.26	13.75	-0.73	0.0	2.21e-05	2.21e-04
729	171	-4.09	11.88	-0.88	0.0	-3.53e-04	1.05e-04
729	187	-10.98	3.66	-0.60	0.0	-8.40e-04	3.54e-04
729	201	1.23	14.09	-0.75	0.0	2.10e-05	2.18e-04
729	203	-4.02	12.20	-0.89	0.0	-3.46e-04	1.05e-04
729	219	-12.71	4.31	-0.66	0.0	-9.63e-04	4.14e-04
729	233	1.49	16.66	-0.84	0.0	3.85e-05	2.54e-04
729	235	-4.63	14.41	-1.00	0.0	-3.90e-04	1.23e-04
729	264	-1.02	0.66	-0.32	0.0	-1.25e-04	1.70e-05
729	268	-0.36	1.20	-0.35	0.0	-1.05e-04	1.47e-05
729	276	-0.31	1.40	-0.33	0.0	-9.26e-05	1.35e-05
729	298	-0.30	0.60	-0.28	0.0	-8.56e-05	1.11e-05
729	305	-0.42	0.57	-0.28	0.0	-8.77e-05	1.14e-05
729	307	-0.28	0.72	-0.28	0.0	-8.13e-05	1.07e-05
729	310	-0.28	0.57	-0.27	0.0	-8.13e-05	1.06e-05
730	44	-1.60	1.09	-0.47	0.0	-1.79e-04	3.22e-05
730	52	-0.60	1.94	-0.51	0.0	-1.49e-04	3.34e-05
730	68	-0.51	2.23	-0.48	0.0	-1.30e-04	3.00e-05
730	123	-10.33	3.38	-0.57	0.0	-6.09e-04	3.75e-04
730	137	1.09	12.79	-0.67	0.0	-4.66e-06	2.08e-04
730	139	-3.83	11.06	-0.80	0.0	-2.71e-04	1.10e-04
730	155	-11.58	3.74	-0.61	0.0	-6.75e-04	4.20e-04
730	169	1.27	14.38	-0.72	0.0	4.61e-06	2.31e-04
730	171	-4.26	12.43	-0.86	0.0	-2.95e-04	1.22e-04
730	187	-11.39	3.87	-0.61	0.0	-6.64e-04	4.17e-04
730	201	1.24	14.74	-0.73	0.0	3.69e-06	2.27e-04
730	203	-4.19	12.76	-0.88	0.0	-2.90e-04	1.22e-04
730	219	-13.19	4.54	-0.67	0.0	-7.59e-04	4.86e-04
730	233	1.51	17.41	-0.82	0.0	1.79e-05	2.64e-04
730	235	-4.83	15.07	-0.99	0.0	-3.24e-04	1.41e-04
730	264	-1.08	0.76	-0.33	0.0	-1.24e-04	2.25e-05
730	268	-0.42	1.33	-0.36	0.0	-1.03e-04	2.34e-05
730	276	-0.36	1.52	-0.34	0.0	-9.08e-05	2.11e-05
730	298	-0.35	0.69	-0.29	0.0	-8.40e-05	1.80e-05
730	305	-0.47	0.65	-0.28	0.0	-8.64e-05	1.76e-05
730	307	-0.33	0.80	-0.28	0.0	-7.98e-05	1.73e-05
730	310	-0.33	0.65	-0.28	0.0	-7.98e-05	1.71e-05
731	44	-1.12	0.54	-0.35	0.0	-1.85e-04	1.05e-05
731	52	-0.27	1.19	-0.39	0.0	-7.64e-05	9.35e-06
731	68	-0.23	1.48	-0.38	0.0	-6.41e-05	6.91e-06
731	123	-8.08	3.07	-0.49	0.0	-1.01e-03	2.44e-04
731	137	0.97	10.11	-0.66	0.0	3.08e-04	1.42e-04
731	139	-2.93	8.70	-0.79	0.0	-1.85e-04	5.57e-05
731	155	-9.07	3.43	-0.53	0.0	-1.13e-03	2.74e-04
731	169	1.11	11.39	-0.72	0.0	3.51e-04	1.59e-04
731	171	-3.27	9.80	-0.87	0.0	-2.02e-04	6.22e-05
731	187	-8.92	3.54	-0.53	0.0	-1.11e-03	2.71e-04
731	201	1.09	11.68	-0.74	0.0	3.44e-04	1.55e-04
731	203	-3.21	10.07	-0.88	0.0	-1.99e-04	6.10e-05
731	219	-10.34	4.20	-0.59	0.0	-1.28e-03	3.17e-04
731	233	1.29	13.83	-0.84	0.0	4.09e-04	1.80e-04
731	235	-3.72	11.93	-1.00	0.0	-2.25e-04	7.05e-05

731	264	-0.75	0.38	-0.25	0.0	-1.25e-04	7.23e-06
731	268	-0.19	0.81	-0.28	0.0	-5.31e-05	6.45e-06
731	276	-0.16	1.00	-0.27	0.0	-4.50e-05	4.83e-06
731	298	-0.16	0.34	-0.22	0.0	-4.51e-05	5.70e-06
731	305	-0.27	0.32	-0.21	0.0	-5.83e-05	5.60e-06
731	307	-0.15	0.45	-0.22	0.0	-4.22e-05	5.11e-06
731	310	-0.15	0.32	-0.21	0.0	-4.27e-05	5.24e-06
732	28	-1.60	1.79	-0.51	0.0	-1.77e-04	7.40e-05
732	44	-1.96	1.55	-0.47	0.0	-1.80e-04	6.95e-05
732	68	-0.76	2.82	-0.47	0.0	-1.26e-04	5.81e-05
732	123	-10.86	3.96	-0.55	0.0	-9.36e-05	1.02e-04
732	137	1.02	14.37	-0.58	0.0	-7.13e-05	2.77e-04
732	139	-4.15	12.46	-0.70	0.0	-1.25e-04	6.65e-05
732	155	-12.15	4.36	-0.58	0.0	-9.54e-05	1.11e-04
732	169	1.20	16.14	-0.62	0.0	-7.05e-05	3.07e-04
732	171	-4.60	13.98	-0.75	0.0	-1.31e-04	7.10e-05
732	187	-11.96	4.51	-0.58	0.0	-9.40e-05	1.15e-04
732	201	1.18	16.53	-0.63	0.0	-7.06e-05	3.05e-04
732	203	-4.53	14.35	-0.76	0.0	-1.30e-04	7.19e-05
732	219	-13.82	5.25	-0.64	0.0	-9.66e-05	1.33e-04
732	233	1.46	19.49	-0.70	0.0	-6.95e-05	3.52e-04
732	235	-5.19	16.90	-0.85	0.0	-1.39e-04	7.95e-05
732	256	-1.10	1.24	-0.36	0.0	-1.22e-04	5.13e-05
732	264	-1.33	1.08	-0.33	0.0	-1.24e-04	4.82e-05
732	276	-0.54	1.93	-0.33	0.0	-8.84e-05	4.07e-05
732	298	-0.51	0.98	-0.29	0.0	-8.19e-05	3.71e-05
732	305	-0.64	0.93	-0.29	0.0	-8.49e-05	3.67e-05
732	307	-0.48	1.10	-0.29	0.0	-7.77e-05	3.51e-05
732	310	-0.48	0.93	-0.28	0.0	-7.77e-05	3.50e-05
733	44	-1.21	0.62	-0.37	0.0	-1.86e-04	1.32e-05
733	52	-0.31	1.30	-0.41	0.0	-7.64e-05	5.90e-06
733	68	-0.26	1.60	-0.39	0.0	-6.43e-05	3.82e-06
733	123	-8.54	3.24	-0.49	0.0	-9.32e-04	1.65e-04
733	137	1.01	10.59	-0.64	0.0	2.84e-04	1.62e-04
733	139	-3.11	9.12	-0.76	0.0	-1.77e-04	3.90e-05
733	155	-9.57	3.62	-0.53	0.0	-1.04e-03	1.85e-04
733	169	1.16	11.94	-0.70	0.0	3.25e-04	1.82e-04
733	171	-3.47	10.28	-0.83	0.0	-1.93e-04	4.36e-05
733	187	-9.42	3.74	-0.53	0.0	-1.02e-03	1.85e-04
733	201	1.14	12.24	-0.71	0.0	3.19e-04	1.78e-04
733	203	-3.41	10.56	-0.85	0.0	-1.90e-04	4.26e-05
733	219	-10.92	4.42	-0.59	0.0	-1.18e-03	2.18e-04
733	233	1.36	14.48	-0.81	0.0	3.79e-04	2.08e-04
733	235	-3.94	12.50	-0.97	0.0	-2.14e-04	4.94e-05
733	264	-0.82	0.43	-0.26	0.0	-1.27e-04	8.96e-06
733	268	-0.22	0.89	-0.29	0.0	-5.32e-05	4.11e-06
733	276	-0.18	1.08	-0.28	0.0	-4.51e-05	2.71e-06
733	298	-0.18	0.39	-0.23	0.0	-4.51e-05	3.91e-06
733	305	-0.30	0.37	-0.22	0.0	-5.86e-05	4.63e-06
733	307	-0.17	0.50	-0.22	0.0	-4.23e-05	3.38e-06
733	310	-0.17	0.37	-0.22	0.0	-4.27e-05	3.58e-06
734	44	-1.78	1.35	-0.47	0.0	-1.77e-04	4.94e-05
734	52	-0.74	2.29	-0.51	0.0	-1.44e-04	5.24e-05
734	68	-0.64	2.58	-0.47	0.0	-1.25e-04	4.60e-05
734	123	-10.77	3.73	-0.56	0.0	-2.79e-04	3.46e-04
734	137	1.07	13.86	-0.61	0.0	-4.04e-05	2.23e-04
734	139	-4.05	12.00	-0.73	0.0	-1.71e-04	1.05e-04
734	155	-12.06	4.13	-0.60	0.0	-3.04e-04	3.86e-04
734	169	1.26	15.57	-0.65	0.0	-3.59e-05	2.48e-04
734	171	-4.49	13.47	-0.79	0.0	-1.82e-04	1.15e-04
734	187	-11.87	4.27	-0.60	0.0	-2.99e-04	3.84e-04
734	201	1.23	15.95	-0.67	0.0	-3.64e-05	2.43e-04
734	203	-4.42	13.83	-0.80	0.0	-1.80e-04	1.15e-04
734	219	-13.73	4.99	-0.65	0.0	-3.35e-04	4.45e-04
734	233	1.51	18.82	-0.74	0.0	-2.96e-05	2.80e-04
734	235	-5.08	16.30	-0.90	0.0	-1.97e-04	1.30e-04
734	264	-1.21	0.94	-0.34	0.0	-1.23e-04	3.45e-05
734	268	-0.52	1.57	-0.36	0.0	-1.00e-04	3.65e-05
734	276	-0.45	1.76	-0.34	0.0	-8.79e-05	3.23e-05
734	298	-0.43	0.85	-0.29	0.0	-8.13e-05	2.87e-05
734	305	-0.56	0.81	-0.29	0.0	-8.41e-05	2.78e-05
734	307	-0.41	0.97	-0.29	0.0	-7.72e-05	2.73e-05
734	310	-0.41	0.80	-0.28	0.0	-7.72e-05	2.72e-05
735	44	-0.09	1.86e-05	-0.02	0.0	-1.82e-04	-7.34e-06
735	68	-5.42e-03	0.07	-0.04	0.0	-1.23e-05	-6.51e-06

735	69	-1.14e-03	0.07	-0.03	0.0	-3.15e-06	-3.45e-06
735	123	-0.74	0.24	-0.07	0.0	-1.46e-03	2.39e-05
735	138	0.25	-0.75	0.15	0.0	4.99e-04	3.56e-06
735	139	-0.26	0.74	-0.17	0.0	-5.18e-04	-9.25e-06
735	155	-0.84	0.27	-0.08	0.0	-1.64e-03	2.72e-05
735	170	0.29	-0.84	0.17	0.0	5.62e-04	4.42e-06
735	171	-0.29	0.83	-0.19	0.0	-5.80e-04	-1.01e-05
735	187	-0.82	0.28	-0.08	0.0	-1.62e-03	2.63e-05
735	202	0.28	-0.86	0.17	0.0	5.51e-04	4.57e-06
735	203	-0.29	0.85	-0.20	0.0	-5.70e-04	-1.03e-05
735	219	-0.95	0.34	-0.09	0.0	-1.88e-03	3.10e-05
735	234	0.33	-1.03	0.21	0.0	6.44e-04	5.90e-06
735	235	-0.34	1.01	-0.23	0.0	-6.63e-04	-1.16e-05
735	264	-0.06	-3.45e-04	-0.01	0.0	-1.22e-04	-5.01e-06
735	273	-1.89e-03	0.05	-0.02	0.0	-4.48e-06	-2.95e-06
735	276	-3.83e-03	0.05	-0.03	0.0	-8.65e-06	-4.46e-06
735	305	-0.02	-4.75e-03	-0.01	0.0	-3.17e-05	-3.22e-06
735	307	-4.21e-03	4.52e-03	-0.01	0.0	-9.02e-06	-3.11e-06
735	308	-2.99e-03	-9.26e-03	-7.02e-03	0.0	-6.24e-06	-1.52e-06
735	310	-4.41e-03	-5.98e-03	-0.01	0.0	-9.34e-06	-2.84e-06
736	1	0.0	0.0	0.0	0.0	4.19e-05	0.0
736	113	0.0	0.0	0.0	0.0	1.12e-03	-2.44e-06
736	145	0.0	0.0	0.0	0.0	1.26e-03	-2.66e-06
736	177	0.0	0.0	0.0	0.0	1.24e-03	-2.50e-06
736	209	0.0	0.0	0.0	0.0	1.45e-03	-2.82e-06
736	241	0.0	0.0	0.0	0.0	2.75e-05	0.0
736	297	0.0	0.0	0.0	0.0	-6.05e-06	0.0
736	309	0.0	0.0	0.0	0.0	-6.05e-06	0.0
737	44	-0.18	-7.89e-04	-0.04	0.0	-1.83e-04	-1.42e-05
737	68	-0.01	0.15	-0.07	0.0	-1.26e-05	-1.22e-05
737	69	-2.48e-03	0.16	-0.05	0.0	-3.41e-06	-6.33e-06
737	123	-1.48	0.49	-0.12	0.0	-1.44e-03	3.86e-05
737	138	0.50	-1.56	0.26	0.0	4.90e-04	6.65e-06
737	139	-0.52	1.54	-0.31	0.0	-5.08e-04	-1.76e-05
737	155	-1.66	0.55	-0.14	0.0	-1.61e-03	4.40e-05
737	170	0.57	-1.77	0.30	0.0	5.51e-04	8.27e-06
737	171	-0.58	1.74	-0.34	0.0	-5.70e-04	-1.92e-05
737	187	-1.63	0.57	-0.14	0.0	-1.58e-03	4.25e-05
737	202	0.56	-1.81	0.31	0.0	5.41e-04	8.42e-06
737	203	-0.57	1.79	-0.35	0.0	-5.59e-04	-1.94e-05
737	219	-1.89	0.68	-0.16	0.0	-1.84e-03	5.02e-05
737	234	0.65	-2.15	0.37	0.0	6.32e-04	1.09e-05
737	235	-0.67	2.13	-0.41	0.0	-6.50e-04	-2.18e-05
737	264	-0.12	-1.20e-03	-0.03	0.0	-1.22e-04	-9.68e-06
737	273	-3.91e-03	0.10	-0.04	0.0	-4.67e-06	-5.48e-06
737	276	-7.80e-03	0.10	-0.05	0.0	-8.87e-06	-8.36e-06
737	305	-0.03	-8.68e-03	-0.02	0.0	-3.18e-05	-6.21e-06
737	307	-8.45e-03	0.01	-0.03	0.0	-9.10e-06	-5.95e-06
737	308	-5.96e-03	-0.02	-0.01	0.0	-6.24e-06	-2.96e-06
737	310	-8.82e-03	-0.01	-0.02	0.0	-9.39e-06	-5.49e-06
738	44	-0.27	-4.18e-04	-0.06	0.0	-1.84e-04	-2.03e-05
738	68	-0.02	0.24	-0.09	0.0	-1.32e-05	-1.70e-05
738	69	-3.99e-03	0.25	-0.07	0.0	-3.76e-06	-8.65e-06
738	123	-2.19	0.74	-0.17	0.0	-1.40e-03	3.26e-05
738	138	0.75	-2.43	0.34	0.0	4.77e-04	4.26e-06
738	139	-0.77	2.40	-0.41	0.0	-4.96e-04	-2.01e-05
738	155	-2.46	0.83	-0.19	0.0	-1.57e-03	3.75e-05
738	170	0.84	-2.74	0.39	0.0	5.36e-04	5.84e-06
738	171	-0.87	2.72	-0.46	0.0	-5.56e-04	-2.16e-05
738	187	-2.41	0.86	-0.19	0.0	-1.54e-03	3.55e-05
738	202	0.82	-2.81	0.40	0.0	5.26e-04	5.54e-06
738	203	-0.85	2.78	-0.47	0.0	-5.45e-04	-2.13e-05
738	219	-2.80	1.03	-0.22	0.0	-1.79e-03	4.24e-05
738	234	0.96	-3.34	0.48	0.0	6.15e-04	7.77e-06
738	235	-0.99	3.31	-0.55	0.0	-6.34e-04	-2.36e-05
738	264	-0.18	-1.17e-03	-0.04	0.0	-1.23e-04	-1.39e-05
738	273	-6.05e-03	0.16	-0.06	0.0	-4.94e-06	-7.58e-06
738	276	-0.01	0.16	-0.07	0.0	-9.25e-06	-1.17e-05
738	305	-0.05	-0.01	-0.03	0.0	-3.21e-05	-8.92e-06
738	307	-0.01	0.02	-0.04	0.0	-9.33e-06	-8.49e-06
738	308	-8.91e-03	-0.03	-0.02	0.0	-6.33e-06	-4.31e-06
738	310	-0.01	-0.01	-0.03	0.0	-9.58e-06	-7.90e-06
739	28	-0.06	-4.94e-03	-0.02	0.0	-1.25e-04	-6.97e-06
739	44	-0.10	2.97e-04	-0.02	0.0	-1.90e-04	-7.12e-06
739	69	-3.37e-03	0.08	-9.28e-03	0.0	-6.54e-06	-3.67e-06

739	123	-0.73	0.24	-0.03	0.0	-1.44e-03	2.86e-05
739	138	0.25	-0.75	9.55e-04	0.0	4.96e-04	5.68e-06
739	155	-0.81	0.28	-0.03	0.0	-1.62e-03	3.25e-05
739	170	0.28	-0.85	2.21e-03	0.0	5.58e-04	6.83e-06
739	187	-0.80	0.28	-0.03	0.0	-1.59e-03	3.16e-05
739	202	0.28	-0.87	2.05e-03	0.0	5.48e-04	7.15e-06
739	219	-0.93	0.34	-0.04	0.0	-1.85e-03	3.72e-05
739	234	0.32	-1.03	3.96e-03	0.0	6.40e-04	9.01e-06
739	256	-0.04	-3.65e-03	-0.01	0.0	-8.41e-05	-4.76e-06
739	264	-0.06	-1.51e-04	-0.01	0.0	-1.27e-04	-4.86e-06
739	273	-3.80e-03	0.05	-8.87e-03	0.0	-7.43e-06	-3.08e-06
739	305	-0.02	-4.65e-03	-9.51e-03	0.0	-3.51e-05	-3.15e-06
739	308	-3.98e-03	-9.21e-03	-7.36e-03	0.0	-7.87e-06	-1.46e-06
739	310	-6.26e-03	-5.90e-03	-9.17e-03	0.0	-1.23e-05	-2.81e-06
740	1	0.0	0.0	0.0	0.0	4.03e-05	0.0
740	113	0.0	0.0	0.0	0.0	1.12e-03	-2.66e-06
740	145	0.0	0.0	0.0	0.0	1.26e-03	-2.90e-06
740	177	0.0	0.0	0.0	0.0	1.24e-03	-2.71e-06
740	209	0.0	0.0	0.0	0.0	1.45e-03	-3.05e-06
740	241	0.0	0.0	0.0	0.0	2.63e-05	0.0
740	297	0.0	0.0	0.0	0.0	-7.88e-06	0.0
740	309	0.0	0.0	0.0	0.0	-7.88e-06	0.0
741	28	-0.13	-9.41e-03	-0.03	0.0	-1.25e-04	-1.35e-05
741	44	-0.19	-5.39e-04	-0.03	0.0	-1.89e-04	-1.39e-05
741	69	-6.65e-03	0.16	-0.02	0.0	-6.22e-06	-6.42e-06
741	123	-1.45	0.49	-0.06	0.0	-1.43e-03	4.69e-05
741	127	-1.43	0.53	-0.06	0.0	-1.41e-03	4.71e-05
741	138	0.50	-1.56	9.36e-03	0.0	4.92e-04	8.90e-06
741	155	-1.62	0.55	-0.06	0.0	-1.61e-03	5.33e-05
741	159	-1.60	0.60	-0.06	0.0	-1.59e-03	5.34e-05
741	170	0.56	-1.77	0.01	0.0	5.54e-04	1.08e-05
741	187	-1.60	0.57	-0.06	0.0	-1.58e-03	5.17e-05
741	191	-1.58	0.61	-0.06	0.0	-1.56e-03	5.14e-05
741	202	0.55	-1.81	0.01	0.0	5.44e-04	1.12e-05
741	219	-1.85	0.68	-0.07	0.0	-1.83e-03	6.10e-05
741	223	-1.83	0.73	-0.07	0.0	-1.81e-03	6.05e-05
741	234	0.64	-2.15	0.02	0.0	6.36e-04	1.42e-05
741	256	-0.08	-6.94e-03	-0.02	0.0	-8.36e-05	-9.20e-06
741	264	-0.13	-1.02e-03	-0.02	0.0	-1.27e-04	-9.47e-06
741	273	-7.53e-03	0.10	-0.02	0.0	-7.15e-06	-5.52e-06
741	305	-0.04	-8.57e-03	-0.02	0.0	-3.48e-05	-6.09e-06
741	308	-7.92e-03	-0.02	-0.01	0.0	-7.72e-06	-2.90e-06
741	310	-0.01	-0.01	-0.02	0.0	-1.21e-05	-5.40e-06
742	28	-0.19	-0.01	-0.05	0.0	-1.23e-04	-1.94e-05
742	44	-0.28	5.06e-05	-0.05	0.0	-1.88e-04	-2.00e-05
742	69	-9.73e-03	0.25	-0.03	0.0	-5.63e-06	-8.58e-06
742	123	-2.16	0.74	-0.09	0.0	-1.41e-03	4.27e-05
742	127	-2.13	0.80	-0.09	0.0	-1.39e-03	4.58e-05
742	138	0.74	-2.42	0.02	0.0	4.87e-04	5.74e-06
742	155	-2.43	0.83	-0.10	0.0	-1.58e-03	4.89e-05
742	159	-2.40	0.91	-0.10	0.0	-1.56e-03	5.22e-05
742	170	0.84	-2.74	0.03	0.0	5.48e-04	7.51e-06
742	187	-2.39	0.86	-0.10	0.0	-1.56e-03	4.69e-05
742	191	-2.36	0.92	-0.10	0.0	-1.54e-03	5.00e-05
742	202	0.82	-2.81	0.03	0.0	5.38e-04	7.23e-06
742	219	-2.77	1.03	-0.11	0.0	-1.81e-03	5.56e-05
742	223	-2.74	1.10	-0.11	0.0	-1.78e-03	5.93e-05
742	234	0.96	-3.33	0.04	0.0	6.29e-04	9.72e-06
742	256	-0.13	-8.28e-03	-0.03	0.0	-8.27e-05	-1.33e-05
742	264	-0.19	-8.38e-04	-0.03	0.0	-1.26e-04	-1.36e-05
742	273	-0.01	0.16	-0.02	0.0	-6.64e-06	-7.51e-06
742	305	-0.05	-0.01	-0.03	0.0	-3.42e-05	-8.80e-06
742	308	-0.01	-0.03	-0.02	0.0	-7.44e-06	-4.27e-06
742	310	-0.02	-0.01	-0.03	0.0	-1.15e-05	-7.80e-06
743	44	-0.10	5.21e-04	-0.02	0.0	-1.96e-04	-6.28e-06
743	69	-5.24e-03	0.08	-5.26e-03	0.0	-9.35e-06	-4.34e-06
743	123	-0.71	0.25	-0.04	0.0	-1.42e-03	3.90e-05
743	138	0.24	-0.75	8.63e-04	0.0	4.91e-04	1.17e-05
743	155	-0.79	0.28	-0.05	0.0	-1.59e-03	4.42e-05
743	170	0.28	-0.85	2.43e-03	0.0	5.54e-04	1.37e-05
743	187	-0.78	0.28	-0.05	0.0	-1.56e-03	4.31e-05
743	202	0.27	-0.87	2.34e-03	0.0	5.43e-04	1.44e-05
743	219	-0.91	0.34	-0.05	0.0	-1.82e-03	5.05e-05
743	234	0.32	-1.03	4.76e-03	0.0	6.35e-04	1.77e-05
743	264	-0.07	2.54e-06	-0.02	0.0	-1.31e-04	-4.28e-06

743	273	-5.35e-03	0.05	-7.04e-03	0.0	-9.86e-06	-3.48e-06
743	305	-0.02	-4.60e-03	-0.01	0.0	-3.78e-05	-2.93e-06
743	308	-4.67e-03	-9.17e-03	-0.01	0.0	-9.18e-06	-1.26e-06
743	310	-7.61e-03	-5.88e-03	-0.01	0.0	-1.48e-05	-2.67e-06
744	1	0.0	0.0	0.0	0.0	3.89e-05	0.0
744	113	0.0	0.0	0.0	0.0	1.12e-03	-3.27e-06
744	145	0.0	0.0	0.0	0.0	1.26e-03	-3.57e-06
744	177	0.0	0.0	0.0	0.0	1.24e-03	-3.41e-06
744	209	0.0	0.0	0.0	0.0	1.44e-03	-3.86e-06
744	241	0.0	0.0	0.0	0.0	2.53e-05	0.0
744	297	0.0	0.0	0.0	0.0	-9.33e-06	0.0
744	309	0.0	0.0	0.0	0.0	-9.33e-06	0.0
745	44	-0.20	-4.87e-04	-0.04	0.0	-1.95e-04	-1.32e-05
745	69	-9.88e-03	0.16	-0.01	0.0	-8.47e-06	-6.68e-06
745	123	-1.42	0.49	-0.08	0.0	-1.42e-03	6.00e-05
745	124	-1.29	-0.29	-0.09	0.0	-1.30e-03	7.35e-05
745	138	0.49	-1.56	-0.01	0.0	4.94e-04	1.17e-05
745	155	-1.59	0.56	-0.09	0.0	-1.60e-03	6.80e-05
745	156	-1.45	-0.32	-0.09	0.0	-1.46e-03	8.31e-05
745	170	0.55	-1.77	-0.01	0.0	5.56e-04	1.40e-05
745	187	-1.57	0.57	-0.08	0.0	-1.57e-03	6.63e-05
745	188	-1.43	-0.34	-0.09	0.0	-1.43e-03	8.02e-05
745	202	0.54	-1.81	-0.02	0.0	5.46e-04	1.46e-05
745	219	-1.82	0.68	-0.09	0.0	-1.82e-03	7.80e-05
745	220	-1.66	-0.41	-0.10	0.0	-1.66e-03	9.39e-05
745	234	0.63	-2.15	-0.01	0.0	6.39e-04	1.83e-05
745	264	-0.13	-9.88e-04	-0.03	0.0	-1.31e-04	-8.99e-06
745	273	-0.01	0.10	-0.01	0.0	-9.18e-06	-5.64e-06
745	305	-0.04	-8.59e-03	-0.02	0.0	-3.73e-05	-5.82e-06
745	308	-9.32e-03	-0.02	-0.02	0.0	-8.99e-06	-2.75e-06
745	310	-0.02	-0.01	-0.02	0.0	-1.43e-05	-5.18e-06
746	44	-0.29	5.61e-05	-0.06	0.0	-1.93e-04	-1.87e-05
746	69	-0.01	0.25	-0.02	0.0	-7.38e-06	-8.16e-06
746	123	-2.13	0.74	-0.12	0.0	-1.42e-03	6.06e-05
746	124	-1.95	-0.47	-0.13	0.0	-1.30e-03	8.31e-05
746	138	0.74	-2.42	-0.02	0.0	4.97e-04	6.82e-06
746	155	-2.39	0.83	-0.13	0.0	-1.60e-03	6.89e-05
746	156	-2.19	-0.53	-0.14	0.0	-1.46e-03	9.41e-05
746	170	0.83	-2.74	-0.02	0.0	5.59e-04	8.67e-06
746	187	-2.35	0.86	-0.13	0.0	-1.57e-03	6.67e-05
746	188	-2.15	-0.56	-0.14	0.0	-1.44e-03	9.07e-05
746	202	0.82	-2.81	-0.02	0.0	5.50e-04	8.44e-06
746	219	-2.73	1.03	-0.14	0.0	-1.82e-03	7.85e-05
746	220	-2.50	-0.68	-0.16	0.0	-1.67e-03	1.07e-04
746	234	0.96	-3.34	-0.02	0.0	6.43e-04	1.10e-05
746	264	-0.20	-8.33e-04	-0.04	0.0	-1.29e-04	-1.28e-05
746	273	-0.01	0.16	-0.02	0.0	-8.27e-06	-7.15e-06
746	305	-0.06	-0.01	-0.03	0.0	-3.64e-05	-8.28e-06
746	308	-0.01	-0.03	-0.02	0.0	-8.58e-06	-4.08e-06
746	310	-0.02	-0.01	-0.03	0.0	-1.35e-05	-7.35e-06
747	44	-0.10	1.04e-03	-0.03	-3.90e-06	0.0	8.21e-06
747	69	-7.92e-03	0.08	6.68e-03	-1.65e-04	0.0	1.42e-05
747	123	-0.68	0.25	-0.07	-4.92e-04	0.0	0.0
747	138	0.24	-0.75	-0.09	1.59e-03	0.0	-7.38e-05
747	144	-0.13	-0.67	-0.14	1.43e-03	0.0	-1.01e-04
747	155	-0.76	0.28	-0.08	-5.57e-04	0.0	-1.05e-06
747	170	0.27	-0.85	-0.10	1.79e-03	0.0	-8.47e-05
747	176	-0.14	-0.76	-0.15	1.62e-03	0.0	-1.16e-04
747	187	-0.75	0.29	-0.08	-5.72e-04	0.0	0.0
747	202	0.26	-0.87	-0.10	1.84e-03	0.0	-8.77e-05
747	208	-0.14	-0.78	-0.16	1.67e-03	0.0	-1.19e-04
747	219	-0.87	0.34	-0.08	-6.85e-04	0.0	1.30e-06
747	234	0.31	-1.03	-0.12	2.18e-03	0.0	-1.06e-04
747	240	-0.16	-0.93	-0.18	1.98e-03	0.0	-1.43e-04
747	264	-0.07	3.69e-04	-0.02	-2.13e-06	0.0	5.86e-06
747	273	-7.39e-03	0.05	1.32e-03	-1.08e-04	0.0	1.14e-05
747	305	-0.02	-4.38e-03	-0.01	5.01e-06	0.0	7.77e-06
747	308	-5.12e-03	-8.99e-03	-9.97e-03	1.62e-05	0.0	4.36e-06
747	310	-8.81e-03	-5.69e-03	-9.88e-03	6.92e-06	0.0	8.48e-06
748	1	0.0	0.0	0.0	1.25e-05	0.0	1.49e-06
748	113	0.0	0.0	0.0	2.43e-05	0.0	1.03e-05
748	145	0.0	0.0	0.0	2.37e-05	0.0	1.15e-05
748	177	0.0	0.0	0.0	7.85e-06	0.0	1.16e-05
748	209	0.0	0.0	0.0	-4.18e-06	0.0	1.36e-05
748	241	0.0	0.0	0.0	8.83e-06	0.0	1.07e-06

748	297	0.0	0.0	0.0	5.65e-06	0.0	0.0
748	309	0.0	0.0	0.0	5.65e-06	0.0	0.0
749	44	-0.20	-2.00e-04	-0.05	-6.75e-06	0.0	2.22e-05
749	69	-0.01	0.16	0.01	-1.73e-04	0.0	1.60e-05
749	123	-1.38	0.49	-0.13	-4.92e-04	0.0	3.65e-06
749	138	0.48	-1.56	-0.16	1.41e-03	0.0	-6.82e-05
749	144	-0.26	-1.41	-0.24	1.51e-03	0.0	-1.08e-04
749	155	-1.55	0.56	-0.14	-5.57e-04	0.0	2.30e-06
749	170	0.54	-1.77	-0.17	1.59e-03	0.0	-7.95e-05
749	176	-0.29	-1.59	-0.27	1.70e-03	0.0	-1.25e-04
749	187	-1.52	0.57	-0.14	-5.73e-04	0.0	4.87e-06
749	202	0.53	-1.81	-0.18	1.64e-03	0.0	-8.29e-05
749	208	-0.29	-1.64	-0.28	1.75e-03	0.0	-1.28e-04
749	219	-1.77	0.68	-0.15	-6.87e-04	0.0	4.79e-06
749	234	0.62	-2.15	-0.21	1.95e-03	0.0	-1.02e-04
749	240	-0.34	-1.94	-0.33	2.08e-03	0.0	-1.55e-04
749	264	-0.14	-7.86e-04	-0.03	-4.21e-06	0.0	1.56e-05
749	273	-0.01	0.10	2.29e-03	-1.14e-04	0.0	1.47e-05
749	305	-0.04	-8.47e-03	-0.02	1.76e-06	0.0	1.66e-05
749	308	-0.01	-0.02	-0.02	1.44e-05	0.0	1.01e-05
749	310	-0.02	-0.01	-0.02	3.27e-06	0.0	1.72e-05
750	44	-0.30	2.33e-04	-0.06	-1.49e-05	0.0	3.75e-05
750	69	-0.02	0.25	0.01	-1.81e-04	0.0	1.11e-05
750	123	-2.09	0.74	-0.17	-4.93e-04	0.0	2.07e-06
750	138	0.73	-2.42	-0.21	1.45e-03	0.0	2.08e-06
750	144	-0.40	-2.20	-0.33	1.55e-03	0.0	-4.41e-05
750	155	-2.35	0.83	-0.19	-5.58e-04	0.0	0.0
750	170	0.82	-2.74	-0.23	1.64e-03	0.0	-1.22e-06
750	176	-0.45	-2.48	-0.37	1.76e-03	0.0	-5.31e-05
750	187	-2.31	0.86	-0.18	-5.75e-04	0.0	1.27e-06
750	202	0.81	-2.81	-0.24	1.69e-03	0.0	-2.64e-06
750	208	-0.44	-2.55	-0.38	1.81e-03	0.0	-5.39e-05
750	219	-2.68	1.03	-0.21	-6.90e-04	0.0	-1.42e-06
750	234	0.95	-3.34	-0.29	2.01e-03	0.0	-8.69e-06
750	240	-0.51	-3.03	-0.45	2.15e-03	0.0	-6.86e-05
750	264	-0.20	-7.07e-04	-0.04	-1.00e-05	0.0	2.63e-05
750	273	-0.02	0.16	2.70e-03	-1.21e-04	0.0	1.36e-05
750	305	-0.06	-0.01	-0.02	-4.67e-06	0.0	2.56e-05
750	308	-0.02	-0.03	-0.02	1.04e-05	0.0	1.63e-05
750	310	-0.03	-0.01	-0.02	-3.49e-06	0.0	2.61e-05
751	44	-1.31	0.73	-0.39	0.0	-1.86e-04	1.70e-05
751	52	-0.35	1.45	-0.43	0.0	-1.59e-04	3.32e-06
751	68	-0.29	1.74	-0.41	0.0	-1.39e-04	1.64e-06
751	123	-8.96	3.44	-0.51	0.0	-9.36e-04	6.09e-05
751	137	1.06	11.14	-0.65	0.0	2.23e-05	1.85e-04
751	139	-3.28	9.60	-0.77	0.0	-3.82e-04	2.33e-05
751	155	-10.05	3.84	-0.55	0.0	-1.04e-03	6.88e-05
751	169	1.21	12.55	-0.70	0.0	3.55e-05	2.08e-04
751	171	-3.66	10.81	-0.84	0.0	-4.18e-04	2.62e-05
751	187	-9.89	3.96	-0.55	0.0	-1.02e-03	7.22e-05
751	201	1.19	12.86	-0.72	0.0	3.43e-05	2.05e-04
751	203	-3.60	11.11	-0.86	0.0	-4.10e-04	2.57e-05
751	219	-11.46	4.67	-0.61	0.0	-1.18e-03	8.73e-05
751	233	1.42	15.22	-0.81	0.0	5.48e-05	2.40e-04
751	235	-4.16	13.14	-0.97	0.0	-4.63e-04	3.01e-05
751	264	-0.88	0.51	-0.28	0.0	-1.29e-04	1.15e-05
751	268	-0.24	0.99	-0.31	0.0	-1.11e-04	2.37e-06
751	276	-0.21	1.18	-0.29	0.0	-9.75e-05	1.25e-06
751	298	-0.21	0.46	-0.24	0.0	-8.96e-05	2.52e-06
751	305	-0.33	0.44	-0.24	0.0	-9.14e-05	4.10e-06
751	307	-0.19	0.57	-0.24	0.0	-8.52e-05	2.05e-06
751	310	-0.20	0.43	-0.23	0.0	-8.51e-05	2.32e-06
752	44	-1.40	0.82	-0.43	0.0	-1.82e-04	1.95e-05
752	52	-0.43	1.59	-0.48	0.0	-1.54e-04	1.04e-05
752	68	-0.37	1.88	-0.45	0.0	-1.34e-04	9.42e-06
752	123	-9.49	3.00	-0.54	0.0	-8.85e-04	2.06e-04
752	137	1.08	11.66	-0.67	0.0	2.13e-05	1.85e-04
752	139	-3.48	10.07	-0.80	0.0	-3.62e-04	5.68e-05
752	155	-10.63	3.34	-0.58	0.0	-9.85e-04	2.31e-04
752	169	1.24	13.13	-0.73	0.0	3.41e-05	2.08e-04
752	171	-3.88	11.33	-0.87	0.0	-3.96e-04	6.35e-05
752	187	-10.46	3.45	-0.58	0.0	-9.68e-04	2.31e-04
752	201	1.21	13.45	-0.74	0.0	3.30e-05	2.05e-04
752	203	-3.82	11.63	-0.88	0.0	-3.89e-04	6.30e-05
752	219	-12.12	4.07	-0.64	0.0	-1.11e-03	2.71e-04

752	233	1.46	15.91	-0.84	0.0	5.27e-05	2.39e-04
752	235	-4.41	13.75	-1.00	0.0	-4.39e-04	7.34e-05
752	264	-0.95	0.57	-0.31	0.0	-1.26e-04	1.34e-05
752	268	-0.30	1.08	-0.34	0.0	-1.07e-04	7.34e-06
752	276	-0.26	1.28	-0.32	0.0	-9.41e-05	6.69e-06
752	298	-0.25	0.52	-0.27	0.0	-8.65e-05	5.58e-06
752	305	-0.38	0.50	-0.26	0.0	-8.86e-05	6.72e-06
752	307	-0.24	0.64	-0.26	0.0	-8.23e-05	5.37e-06
752	310	-0.24	0.49	-0.26	0.0	-8.22e-05	5.35e-06
753	44	-1.52	1.11	-0.60	0.0	-1.96e-04	6.39e-05
753	68	-0.43	2.20	-0.53	0.0	-1.49e-04	4.67e-05
753	76	-0.52	0.92	-0.67	0.0	-1.68e-04	6.09e-05
753	123	-9.97	3.95	-0.31	0.0	-7.73e-04	-1.17e-05
753	137	0.97	12.32	0.16	0.0	-1.84e-05	2.54e-04
753	140	-1.53	-10.99	-0.91	0.0	-1.61e-04	-1.90e-04
753	155	-11.17	4.38	-0.30	0.0	-8.57e-04	-1.66e-05
753	169	1.13	13.85	0.23	0.0	-9.56e-06	2.82e-04
753	172	-1.68	-12.52	-0.98	0.0	-1.70e-04	-2.18e-04
753	187	-10.99	4.51	-0.29	0.0	-8.43e-04	-1.14e-05
753	201	1.11	14.19	0.25	0.0	-9.88e-06	2.80e-04
753	204	-1.67	-12.86	-0.99	0.0	-1.70e-04	-2.15e-04
753	219	-12.73	5.29	-0.27	0.0	-9.66e-04	-1.47e-05
753	233	1.35	16.75	0.37	0.0	3.97e-06	3.23e-04
753	236	-1.91	-15.42	-1.11	0.0	-1.84e-04	-2.59e-04
753	264	-1.03	0.77	-0.43	0.0	-1.36e-04	4.36e-05
753	276	-0.30	1.50	-0.38	0.0	-1.05e-04	3.21e-05
753	280	-0.36	0.65	-0.47	0.0	-1.17e-04	4.16e-05
753	298	-0.29	0.71	-0.39	0.0	-9.42e-05	3.51e-05
753	305	-0.42	0.67	-0.37	0.0	-9.62e-05	3.44e-05
753	307	-0.28	0.82	-0.36	0.0	-9.00e-05	3.21e-05
753	310	-0.28	0.66	-0.37	0.0	-8.98e-05	3.22e-05
754	44	-1.69	1.22	-0.47	0.0	-1.78e-04	4.08e-05
754	52	-0.67	2.11	-0.51	0.0	-1.46e-04	4.42e-05
754	68	-0.57	2.40	-0.48	0.0	-1.27e-04	3.91e-05
754	123	-10.60	3.55	-0.57	0.0	-4.43e-04	3.80e-04
754	137	1.09	13.29	-0.65	0.0	-2.16e-05	2.14e-04
754	139	-3.95	11.50	-0.77	0.0	-2.19e-04	1.10e-04
754	155	-11.87	3.93	-0.61	0.0	-4.88e-04	4.24e-04
754	169	1.27	14.94	-0.69	0.0	-1.46e-05	2.37e-04
754	171	-4.39	12.92	-0.84	0.0	-2.36e-04	1.21e-04
754	187	-11.68	4.06	-0.61	0.0	-4.81e-04	4.21e-04
754	201	1.24	15.31	-0.71	0.0	-1.53e-05	2.33e-04
754	203	-4.32	13.27	-0.85	0.0	-2.33e-04	1.21e-04
754	219	-13.51	4.76	-0.67	0.0	-5.46e-04	4.90e-04
754	233	1.51	18.08	-0.79	0.0	-4.64e-06	2.69e-04
754	235	-4.97	15.65	-0.95	0.0	-2.58e-04	1.39e-04
754	264	-1.14	0.85	-0.34	0.0	-1.23e-04	2.85e-05
754	268	-0.47	1.44	-0.36	0.0	-1.01e-04	3.08e-05
754	276	-0.40	1.64	-0.34	0.0	-8.91e-05	2.74e-05
754	298	-0.39	0.77	-0.29	0.0	-8.24e-05	2.41e-05
754	305	-0.51	0.73	-0.29	0.0	-8.50e-05	2.32e-05
754	307	-0.37	0.89	-0.29	0.0	-7.82e-05	2.30e-05
754	310	-0.37	0.73	-0.28	0.0	-7.83e-05	2.29e-05
755	44	-0.36	2.27e-03	-0.08	0.0	-1.86e-04	-2.40e-05
755	68	-0.02	0.33	-0.12	0.0	-1.44e-05	-2.02e-05
755	69	-5.72e-03	0.35	-0.08	0.0	-4.36e-06	-1.01e-05
755	123	-2.87	0.98	-0.21	0.0	-1.36e-03	9.63e-06
755	139	-1.02	2.78	-0.48	0.0	-4.84e-04	-1.33e-05
755	140	-0.42	-3.31	0.31	0.0	-2.03e-04	4.46e-05
755	155	-3.22	1.11	-0.23	0.0	-1.53e-03	1.18e-05
755	171	-1.14	3.15	-0.54	0.0	-5.43e-04	-1.37e-05
755	172	-0.47	-3.74	0.36	0.0	-2.27e-04	5.12e-05
755	187	-3.17	1.14	-0.24	0.0	-1.50e-03	9.34e-06
755	203	-1.12	3.24	-0.55	0.0	-5.33e-04	-1.26e-05
755	204	-0.46	-3.83	0.37	0.0	-2.23e-04	4.87e-05
755	219	-3.68	1.37	-0.27	0.0	-1.74e-03	1.22e-05
755	235	-1.30	3.86	-0.65	0.0	-6.19e-04	-1.28e-05
755	236	-0.53	-4.55	0.45	0.0	-2.59e-04	5.81e-05
755	264	-0.24	5.36e-04	-0.06	0.0	-1.25e-04	-1.64e-05
755	273	-8.37e-03	0.23	-0.07	0.0	-5.47e-06	-8.91e-06
755	276	-0.02	0.22	-0.08	0.0	-1.01e-05	-1.39e-05
755	305	-0.06	-0.01	-0.05	0.0	-3.28e-05	-1.07e-05
755	306	-0.01	0.04	-0.04	0.0	-6.32e-06	-6.25e-06
755	307	-0.02	0.03	-0.05	0.0	-9.95e-06	-1.02e-05
755	310	-0.02	-0.01	-0.05	0.0	-1.02e-05	-9.54e-06

756	44	-0.46	-7.37e-04	-0.11	0.0	-1.91e-04	-2.24e-05
756	68	-0.03	0.44	-0.15	0.0	-1.66e-05	-1.96e-05
756	69	-8.02e-03	0.46	-0.09	0.0	-5.37e-06	-9.75e-06
756	123	-3.54	1.25	-0.25	0.0	-1.34e-03	3.91e-05
756	139	-1.25	3.67	-0.53	0.0	-4.78e-04	-6.89e-05
756	140	-0.52	-4.34	0.31	0.0	-2.02e-04	-1.54e-05
756	155	-3.97	1.42	-0.27	0.0	-1.50e-03	4.48e-05
756	171	-1.40	4.16	-0.59	0.0	-5.35e-04	-7.60e-05
756	172	-0.58	-4.91	0.36	0.0	-2.26e-04	-1.63e-05
756	187	-3.91	1.46	-0.28	0.0	-1.48e-03	4.23e-05
756	203	-1.38	4.28	-0.60	0.0	-5.25e-04	-7.21e-05
756	204	-0.57	-5.03	0.38	0.0	-2.23e-04	-1.87e-05
756	219	-4.54	1.76	-0.32	0.0	-1.72e-03	5.14e-05
756	235	-1.60	5.09	-0.70	0.0	-6.10e-04	-8.16e-05
756	236	-0.66	-5.98	0.46	0.0	-2.58e-04	-2.14e-05
756	264	-0.31	-1.62e-03	-0.08	0.0	-1.28e-04	-1.54e-05
756	273	-0.01	0.30	-0.08	0.0	-6.39e-06	-8.67e-06
756	276	-0.02	0.29	-0.10	0.0	-1.16e-05	-1.34e-05
756	305	-0.08	-0.01	-0.07	0.0	-3.43e-05	-1.03e-05
756	306	-0.01	0.05	-0.06	0.0	-6.99e-06	-6.16e-06
756	307	-0.02	0.04	-0.07	0.0	-1.11e-05	-9.96e-06
756	310	-0.02	-0.02	-0.07	0.0	-1.13e-05	-9.33e-06
757	28	-0.25	-8.01e-03	-0.06	0.0	-1.21e-04	-2.39e-05
757	44	-0.38	4.18e-03	-0.06	0.0	-1.86e-04	-2.45e-05
757	69	-0.01	0.34	-0.03	0.0	-4.75e-06	-1.02e-05
757	123	-2.86	0.99	-0.12	0.0	-1.38e-03	1.76e-05
757	127	-2.83	1.07	-0.12	0.0	-1.36e-03	2.49e-05
757	140	-0.44	-3.32	-5.90e-03	0.0	-2.11e-04	3.91e-05
757	155	-3.21	1.12	-0.13	0.0	-1.55e-03	2.08e-05
757	159	-3.18	1.22	-0.14	0.0	-1.53e-03	2.90e-05
757	172	-0.49	-3.76	-1.82e-03	0.0	-2.35e-04	4.49e-05
757	187	-3.16	1.15	-0.13	0.0	-1.52e-03	1.85e-05
757	191	-3.12	1.24	-0.13	0.0	-1.50e-03	2.69e-05
757	204	-0.48	-3.85	-8.13e-05	0.0	-2.31e-04	4.22e-05
757	219	-3.67	1.38	-0.15	0.0	-1.77e-03	2.27e-05
757	223	-3.63	1.47	-0.15	0.0	-1.75e-03	3.30e-05
757	236	-0.56	-4.58	7.14e-03	0.0	-2.68e-04	5.04e-05
757	256	-0.17	-6.25e-03	-0.05	0.0	-8.12e-05	-1.64e-05
757	264	-0.25	1.87e-03	-0.05	0.0	-1.24e-04	-1.67e-05
757	273	-0.01	0.23	-0.03	0.0	-5.86e-06	-9.04e-06
757	305	-0.07	-9.89e-03	-0.04	0.0	-3.32e-05	-1.10e-05
757	306	-0.02	0.04	-0.03	0.0	-6.69e-06	-6.39e-06
757	310	-0.02	-0.01	-0.04	0.0	-1.07e-05	-9.77e-06
758	28	-0.31	2.44e-03	-0.09	0.0	-1.19e-04	-2.53e-05
758	44	-0.47	0.01	-0.08	0.0	-1.83e-04	-2.54e-05
758	70	-0.02	0.44	-0.05	0.0	-4.42e-06	-1.15e-05
758	119	-3.08	0.13	-0.16	0.0	-1.17e-03	-1.48e-04
758	123	-3.54	1.24	-0.16	0.0	-1.34e-03	-3.82e-06
758	140	-0.54	-4.24	-3.80e-04	0.0	-2.05e-04	-1.96e-05
758	151	-3.46	0.15	-0.17	0.0	-1.32e-03	-1.65e-04
758	155	-3.97	1.40	-0.17	0.0	-1.51e-03	-3.18e-06
758	172	-0.61	-4.79	6.05e-03	0.0	-2.28e-04	-2.09e-05
758	183	-3.40	0.17	-0.17	0.0	-1.29e-03	-1.62e-04
758	187	-3.91	1.44	-0.17	0.0	-1.48e-03	-4.97e-06
758	204	-0.60	-4.91	8.58e-03	0.0	-2.24e-04	-2.29e-05
758	215	-3.95	0.22	-0.19	0.0	-1.51e-03	-1.87e-04
758	219	-4.54	1.73	-0.19	0.0	-1.72e-03	-4.59e-06
758	236	-0.69	-5.84	0.02	0.0	-2.59e-04	-2.58e-05
758	256	-0.21	9.25e-04	-0.06	0.0	-7.95e-05	-1.74e-05
758	264	-0.32	8.75e-03	-0.06	0.0	-1.23e-04	-1.74e-05
758	274	-0.02	0.29	-0.05	0.0	-5.44e-06	-1.01e-05
758	298	-0.03	-8.71e-03	-0.05	0.0	-1.03e-05	-1.14e-05
758	305	-0.09	-4.94e-03	-0.05	0.0	-3.21e-05	-1.18e-05
758	306	-0.02	0.05	-0.04	0.0	-6.10e-06	-6.97e-06
758	310	-0.03	-8.42e-03	-0.05	0.0	-9.71e-06	-1.07e-05
759	44	-0.39	4.29e-03	-0.07	0.0	-1.88e-04	-2.32e-05
759	69	-0.02	0.34	-0.02	0.0	-5.94e-06	-9.58e-06
759	123	-2.84	0.99	-0.16	0.0	-1.42e-03	7.04e-05
759	124	-2.60	-0.67	-0.17	0.0	-1.29e-03	3.72e-05
759	140	-0.45	-3.32	-0.10	0.0	-2.23e-04	3.16e-05
759	155	-3.19	1.12	-0.17	0.0	-1.59e-03	8.01e-05
759	156	-2.92	-0.76	-0.19	0.0	-1.45e-03	4.28e-05
759	172	-0.51	-3.76	-0.10	0.0	-2.49e-04	3.64e-05
759	187	-3.14	1.15	-0.17	0.0	-1.57e-03	7.71e-05
759	188	-2.87	-0.80	-0.19	0.0	-1.43e-03	4.05e-05

759	204	-0.50	-3.85	-0.10	0.0	-2.44e-04	3.31e-05
759	219	-3.65	1.38	-0.19	0.0	-1.82e-03	9.15e-05
759	220	-3.33	-0.97	-0.21	0.0	-1.66e-03	4.81e-05
759	236	-0.58	-4.58	-0.12	0.0	-2.82e-04	3.95e-05
759	264	-0.26	1.96e-03	-0.05	0.0	-1.26e-04	-1.59e-05
759	273	-0.02	0.23	-0.02	0.0	-6.98e-06	-8.58e-06
759	305	-0.08	-9.83e-03	-0.04	0.0	-3.46e-05	-1.05e-05
759	306	-0.02	0.04	-0.03	0.0	-7.57e-06	-6.20e-06
759	310	-0.03	-0.01	-0.04	0.0	-1.21e-05	-9.47e-06
760	44	-0.49	0.02	-0.09	0.0	-1.80e-04	-3.10e-05
760	70	-0.02	0.44	-0.03	0.0	-4.09e-06	-1.32e-05
760	123	-3.56	1.23	-0.20	0.0	-1.39e-03	3.19e-05
760	124	-3.26	-0.87	-0.22	0.0	-1.27e-03	-1.20e-05
760	140	-0.57	-4.20	-0.12	0.0	-2.14e-04	-1.82e-05
760	155	-4.00	1.39	-0.22	0.0	-1.56e-03	3.73e-05
760	156	-3.66	-0.99	-0.24	0.0	-1.42e-03	-1.22e-05
760	172	-0.63	-4.75	-0.13	0.0	-2.39e-04	-1.91e-05
760	187	-3.94	1.44	-0.21	0.0	-1.53e-03	3.50e-05
760	188	-3.60	-1.03	-0.24	0.0	-1.40e-03	-1.44e-05
760	204	-0.62	-4.87	-0.13	0.0	-2.34e-04	-2.15e-05
760	219	-4.57	1.72	-0.24	0.0	-1.78e-03	4.35e-05
760	220	-4.17	-1.25	-0.27	0.0	-1.63e-03	-1.53e-05
760	236	-0.72	-5.78	-0.14	0.0	-2.71e-04	-2.40e-05
760	264	-0.33	0.01	-0.07	0.0	-1.21e-04	-2.12e-05
760	274	-0.02	0.29	-0.04	0.0	-5.16e-06	-1.17e-05
760	305	-0.09	-3.28e-03	-0.05	0.0	-3.14e-05	-1.42e-05
760	306	-0.02	0.05	-0.04	0.0	-5.93e-06	-8.21e-06
760	310	-0.04	-6.79e-03	-0.05	0.0	-9.37e-06	-1.28e-05
761	44	-0.40	4.71e-03	-0.07	-3.06e-05	0.0	5.46e-05
761	69	-0.02	0.34	0.01	-1.84e-04	0.0	0.0
761	123	-2.81	0.99	-0.21	-4.86e-04	0.0	-2.10e-05
761	140	-0.46	-3.32	-0.39	1.66e-03	0.0	9.21e-05
761	144	-0.54	-3.03	-0.40	1.53e-03	0.0	1.17e-04
761	155	-3.16	1.12	-0.23	-5.48e-04	0.0	-2.79e-05
761	172	-0.52	-3.76	-0.44	1.88e-03	0.0	9.97e-05
761	176	-0.60	-3.42	-0.45	1.73e-03	0.0	1.27e-04
761	187	-3.10	1.15	-0.22	-5.66e-04	0.0	-2.61e-05
761	204	-0.51	-3.85	-0.45	1.93e-03	0.0	1.02e-04
761	208	-0.59	-3.51	-0.46	1.77e-03	0.0	1.29e-04
761	219	-3.60	1.38	-0.25	-6.78e-04	0.0	-3.62e-05
761	236	-0.59	-4.58	-0.53	2.30e-03	0.0	1.15e-04
761	240	-0.68	-4.18	-0.54	2.11e-03	0.0	1.47e-04
761	264	-0.27	2.25e-03	-0.05	-2.10e-05	0.0	3.81e-05
761	273	-0.02	0.23	2.45e-03	-1.26e-04	0.0	8.71e-06
761	305	-0.08	-9.63e-03	-0.03	-1.55e-05	0.0	3.55e-05
761	306	-0.02	0.04	-0.02	-3.20e-05	0.0	1.92e-05
761	310	-0.03	-0.01	-0.02	-1.46e-05	0.0	3.57e-05
762	42	-0.47	0.02	-0.08	-3.29e-05	0.0	3.71e-05
762	44	-0.50	0.02	-0.07	-5.50e-05	0.0	6.72e-05
762	70	-0.03	0.44	0.01	-1.83e-04	0.0	-1.03e-05
762	123	-3.54	1.23	-0.24	-4.62e-04	0.0	-3.14e-05
762	140	-0.58	-4.18	-0.44	1.51e-03	0.0	2.31e-04
762	144	-0.67	-3.82	-0.46	1.38e-03	0.0	2.67e-04
762	155	-3.98	1.39	-0.27	-5.19e-04	0.0	-4.09e-05
762	172	-0.65	-4.73	-0.50	1.71e-03	0.0	2.56e-04
762	176	-0.75	-4.32	-0.51	1.57e-03	0.0	2.97e-04
762	187	-3.91	1.43	-0.26	-5.36e-04	0.0	-4.11e-05
762	204	-0.64	-4.85	-0.51	1.75e-03	0.0	2.63e-04
762	208	-0.74	-4.43	-0.52	1.61e-03	0.0	3.03e-04
762	219	-4.54	1.72	-0.29	-6.39e-04	0.0	-5.65e-05
762	236	-0.73	-5.76	-0.60	2.09e-03	0.0	3.06e-04
762	240	-0.85	-5.27	-0.61	1.92e-03	0.0	3.52e-04
762	262	-0.32	0.01	-0.05	-2.34e-05	0.0	2.68e-05
762	264	-0.33	0.01	-0.05	-3.81e-05	0.0	4.69e-05
762	274	-0.03	0.29	-5.90e-04	-1.29e-04	0.0	3.14e-06
762	304	-0.08	-1.20e-03	-0.03	-1.92e-05	0.0	2.57e-05
762	305	-0.10	-1.98e-03	-0.03	-3.18e-05	0.0	4.29e-05
762	306	-0.03	0.05	-0.02	-4.04e-05	0.0	2.10e-05
762	309	-0.03	-4.80e-03	-0.02	-1.85e-05	0.0	2.58e-05
762	310	-0.04	-5.57e-03	-0.02	-3.11e-05	0.0	4.30e-05
763	44	-1.62	1.18	-0.62	0.0	-2.08e-04	7.92e-05
763	68	-0.51	2.32	-0.55	0.0	-1.61e-04	6.22e-05
763	76	-0.61	1.00	-0.70	0.0	-1.82e-04	7.95e-05
763	123	-10.35	4.12	-0.33	0.0	-6.20e-04	-3.78e-05
763	137	0.96	12.83	0.13	0.0	-3.98e-05	2.81e-04

763	140	-1.62	-11.41	-0.90	0.0	-1.55e-04	-1.97e-04
763	155	-11.60	4.57	-0.32	0.0	-6.85e-04	-4.71e-05
763	169	1.12	14.42	0.20	0.0	-3.27e-05	3.11e-04
763	172	-1.78	-13.00	-0.97	0.0	-1.62e-04	-2.27e-04
763	187	-11.41	4.71	-0.31	0.0	-6.74e-04	-4.09e-05
763	201	1.11	14.78	0.22	0.0	-3.34e-05	3.10e-04
763	204	-1.77	-13.35	-0.99	0.0	-1.61e-04	-2.25e-04
763	219	-13.21	5.52	-0.30	0.0	-7.68e-04	-5.04e-05
763	233	1.35	17.44	0.33	0.0	-2.26e-05	3.57e-04
763	236	-2.01	-16.02	-1.10	0.0	-1.72e-04	-2.72e-04
763	264	-1.10	0.82	-0.44	0.0	-1.44e-04	5.42e-05
763	276	-0.36	1.58	-0.39	0.0	-1.12e-04	4.29e-05
763	280	-0.43	0.70	-0.49	0.0	-1.27e-04	5.44e-05
763	298	-0.35	0.76	-0.40	0.0	-1.03e-04	4.59e-05
763	305	-0.47	0.72	-0.39	0.0	-1.04e-04	4.44e-05
763	307	-0.33	0.87	-0.38	0.0	-9.76e-05	4.21e-05
763	310	-0.33	0.71	-0.38	0.0	-9.74e-05	4.21e-05
764	28	-1.52	1.67	-0.51	0.0	-1.74e-04	6.57e-05
764	44	-1.87	1.45	-0.47	0.0	-1.77e-04	6.05e-05
764	68	-0.70	2.69	-0.47	0.0	-1.25e-04	5.34e-05
764	123	-10.84	3.84	-0.55	0.0	-1.59e-04	2.25e-04
764	137	1.05	14.09	-0.59	0.0	-5.76e-05	2.50e-04
764	139	-4.11	12.21	-0.71	0.0	-1.39e-04	8.72e-05
764	155	-12.13	4.24	-0.59	0.0	-1.69e-04	2.50e-04
764	169	1.23	15.82	-0.63	0.0	-5.53e-05	2.77e-04
764	171	-4.56	13.70	-0.76	0.0	-1.47e-04	9.46e-05
764	187	-11.94	4.38	-0.59	0.0	-1.67e-04	2.50e-04
764	201	1.21	16.21	-0.64	0.0	-5.55e-05	2.74e-04
764	203	-4.48	14.06	-0.77	0.0	-1.46e-04	9.46e-05
764	219	-13.80	5.11	-0.64	0.0	-1.81e-04	2.90e-04
764	233	1.48	19.12	-0.71	0.0	-5.21e-05	3.16e-04
764	235	-5.14	16.57	-0.86	0.0	-1.57e-04	1.06e-04
764	256	-1.03	1.15	-0.36	0.0	-1.21e-04	4.56e-05
764	264	-1.27	1.01	-0.33	0.0	-1.23e-04	4.21e-05
764	276	-0.49	1.84	-0.33	0.0	-8.74e-05	3.74e-05
764	298	-0.47	0.92	-0.29	0.0	-8.08e-05	3.39e-05
764	305	-0.60	0.87	-0.29	0.0	-8.38e-05	3.31e-05
764	307	-0.44	1.03	-0.29	0.0	-7.67e-05	3.21e-05
764	310	-0.45	0.86	-0.28	0.0	-7.68e-05	3.20e-05
765	28	-0.65	0.59	-1.54	-3.06e-04	0.0	1.15e-04
765	43	-1.05	0.49	-1.27	-2.53e-04	0.0	9.61e-05
765	68	4.87e-03	1.39	-1.35	-3.74e-04	0.0	8.35e-05
765	123	-8.34	3.16	-1.19	-4.60e-04	0.0	4.84e-05
765	137	2.58	9.93	-0.95	-1.44e-03	0.0	-2.18e-06
765	155	-9.37	3.53	-1.24	-5.01e-04	0.0	4.74e-05
765	169	2.90	11.20	-0.97	-1.61e-03	0.0	-1.02e-05
765	187	-9.22	3.65	-1.23	-5.15e-04	0.0	4.83e-05
765	201	2.82	11.49	-0.97	-1.65e-03	0.0	-1.11e-05
765	219	-10.71	4.32	-1.30	-5.89e-04	0.0	4.63e-05
765	233	3.27	13.62	-1.00	-1.93e-03	0.0	-2.41e-05
765	256	-0.43	0.40	-1.08	-2.12e-04	0.0	7.96e-05
765	263	-0.70	0.34	-0.90	-1.77e-04	0.0	6.72e-05
765	276	1.76e-03	0.94	-0.95	-2.57e-04	0.0	5.88e-05
765	298	-0.03	0.31	-0.87	-1.66e-04	0.0	6.15e-05
765	305	-0.16	0.30	-0.83	-1.58e-04	0.0	5.93e-05
765	307	-0.02	0.42	-0.83	-1.72e-04	0.0	5.67e-05
765	310	-0.03	0.29	-0.82	-1.56e-04	0.0	5.81e-05
766	28	-0.65	0.52	-1.82	-3.59e-04	0.0	1.15e-04
766	43	-1.05	0.44	-1.49	-2.95e-04	0.0	9.61e-05
766	68	4.37e-03	1.35	-1.61	-4.15e-04	0.0	8.37e-05
766	123	-8.38	3.11	-1.38	-4.62e-04	0.0	1.29e-04
766	137	2.59	9.96	-1.23	-1.36e-03	0.0	3.35e-05
766	143	-1.53	9.38	-1.40	-1.27e-03	0.0	-2.27e-05
766	155	-9.42	3.48	-1.43	-4.98e-04	0.0	1.38e-04
766	167	-4.45	9.96	-1.45	-1.34e-03	0.0	2.27e-04
766	169	2.91	11.24	-1.26	-1.51e-03	0.0	3.04e-05
766	187	-9.27	3.60	-1.42	-5.11e-04	0.0	1.36e-04
766	199	-4.37	10.33	-1.46	-1.38e-03	0.0	2.24e-04
766	201	2.83	11.53	-1.27	-1.55e-03	0.0	3.26e-05
766	219	-10.77	4.27	-1.50	-5.79e-04	0.0	1.50e-04
766	231	-5.09	12.40	-1.56	-1.62e-03	0.0	2.55e-04
766	233	3.29	13.67	-1.33	-1.81e-03	0.0	2.87e-05
766	256	-0.44	0.36	-1.27	-2.49e-04	0.0	7.96e-05
766	263	-0.70	0.31	-1.06	-2.06e-04	0.0	6.72e-05
766	276	1.11e-03	0.91	-1.13	-2.86e-04	0.0	5.89e-05

766	298	-0.03	0.28	-1.03	-1.96e-04	0.0	6.15e-05
766	305	-0.16	0.27	-0.98	-1.87e-04	0.0	5.93e-05
766	307	-0.02	0.39	-0.98	-2.00e-04	0.0	5.67e-05
766	310	-0.03	0.26	-0.98	-1.85e-04	0.0	5.82e-05
767	44	-0.54	0.04	-0.14	0.0	-1.95e-04	-1.17e-05
767	68	-0.04	0.53	-0.17	0.0	-1.89e-05	-1.47e-05
767	123	-4.13	1.39	-0.28	0.0	-1.33e-03	4.58e-05
767	137	0.55	4.78	-0.48	0.0	1.78e-04	-9.63e-06
767	139	-1.47	4.08	-0.57	0.0	-4.77e-04	-7.96e-05
767	155	-4.64	1.57	-0.30	0.0	-1.49e-03	5.24e-05
767	169	0.62	5.41	-0.53	0.0	2.02e-04	-9.93e-06
767	171	-1.64	4.62	-0.63	0.0	-5.34e-04	-8.85e-05
767	187	-4.56	1.62	-0.31	0.0	-1.47e-03	5.19e-05
767	201	0.61	5.54	-0.54	0.0	1.99e-04	-8.55e-06
767	203	-1.61	4.75	-0.64	0.0	-5.24e-04	-8.57e-05
767	219	-5.30	1.95	-0.35	0.0	-1.70e-03	6.28e-05
767	233	0.72	6.59	-0.63	0.0	2.34e-04	-8.45e-06
767	235	-1.87	5.65	-0.75	0.0	-6.08e-04	-9.86e-05
767	264	-0.36	0.02	-0.10	0.0	-1.31e-04	-8.16e-06
767	276	-0.03	0.35	-0.12	0.0	-1.32e-05	-1.01e-05
767	305	-0.10	9.89e-03	-0.09	0.0	-3.59e-05	-7.06e-06
767	307	-0.03	0.07	-0.09	0.0	-1.23e-05	-7.45e-06
767	310	-0.03	6.47e-03	-0.08	0.0	-1.24e-05	-6.98e-06
768	44	-0.64	0.11	-0.18	0.0	-1.93e-04	2.53e-06
768	68	-0.05	0.65	-0.22	0.0	-7.78e-05	-6.83e-06
768	123	-4.72	1.56	-0.32	0.0	-1.49e-03	2.43e-05
768	137	0.63	5.32	-0.53	0.0	1.50e-04	-1.61e-05
768	139	-1.68	4.56	-0.63	0.0	-5.50e-04	-9.99e-05
768	155	-5.31	1.76	-0.35	0.0	-1.67e-03	2.80e-05
768	169	0.71	6.01	-0.59	0.0	1.74e-04	-1.79e-05
768	171	-1.88	5.15	-0.69	0.0	-6.11e-04	-1.12e-04
768	187	-5.22	1.81	-0.35	0.0	-1.65e-03	3.01e-05
768	201	0.70	6.16	-0.60	0.0	1.71e-04	-1.77e-05
768	203	-1.84	5.29	-0.71	0.0	-6.00e-04	-1.10e-04
768	219	-6.06	2.17	-0.40	0.0	-1.90e-03	3.75e-05
768	233	0.83	7.32	-0.69	0.0	2.08e-04	-2.05e-05
768	235	-2.14	6.29	-0.82	0.0	-6.91e-04	-1.29e-04
768	264	-0.43	0.07	-0.13	0.0	-1.31e-04	1.51e-06
768	276	-0.03	0.43	-0.16	0.0	-5.44e-05	-4.73e-06
768	305	-0.11	0.05	-0.11	0.0	-6.55e-05	-2.05e-06
768	307	-0.03	0.13	-0.12	0.0	-5.01e-05	-3.30e-06
768	310	-0.04	0.05	-0.11	0.0	-5.03e-05	-3.07e-06
769	28	-0.36	0.04	-0.11	0.0	-1.18e-04	-2.12e-05
769	44	-0.55	0.05	-0.11	0.0	-1.83e-04	-2.01e-05
769	68	-0.05	0.53	-0.10	0.0	-1.26e-05	-2.02e-05
769	119	-3.60	0.17	-0.20	0.0	-1.16e-03	-1.73e-04
769	123	-4.13	1.42	-0.19	0.0	-1.32e-03	4.88e-05
769	137	0.57	4.81	-0.12	0.0	1.83e-04	3.80e-06
769	151	-4.04	0.19	-0.21	0.0	-1.30e-03	-1.93e-04
769	155	-4.64	1.60	-0.21	0.0	-1.48e-03	5.61e-05
769	169	0.64	5.44	-0.13	0.0	2.06e-04	5.62e-06
769	183	-3.97	0.22	-0.21	0.0	-1.28e-03	-1.89e-04
769	187	-4.56	1.65	-0.21	0.0	-1.46e-03	5.55e-05
769	201	0.63	5.58	-0.13	0.0	2.01e-04	7.80e-06
769	215	-4.62	0.27	-0.23	0.0	-1.49e-03	-2.19e-04
769	219	-5.29	1.98	-0.23	0.0	-1.70e-03	6.73e-05
769	233	0.74	6.63	-0.15	0.0	2.36e-04	1.16e-05
769	256	-0.24	0.03	-0.08	0.0	-7.90e-05	-1.46e-05
769	264	-0.37	0.03	-0.08	0.0	-1.22e-04	-1.39e-05
769	276	-0.03	0.36	-0.07	0.0	-8.86e-06	-1.39e-05
769	298	-0.04	0.01	-0.07	0.0	-9.90e-06	-1.03e-05
769	305	-0.10	0.02	-0.06	0.0	-3.17e-05	-1.03e-05
769	307	-0.03	0.08	-0.06	0.0	-9.08e-06	-1.03e-05
769	310	-0.03	0.01	-0.06	0.0	-9.36e-06	-9.68e-06
770	28	-0.41	0.12	-0.16	0.0	-1.48e-04	9.52e-06
770	44	-0.63	0.11	-0.15	0.0	-1.82e-04	1.29e-05
770	68	-0.05	0.65	-0.15	0.0	-6.54e-05	2.05e-06
770	119	-4.12	0.24	-0.24	0.0	-1.05e-03	-1.21e-04
770	123	-4.72	1.56	-0.23	0.0	-1.31e-03	2.96e-05
770	137	0.65	5.32	-0.15	0.0	4.05e-04	1.00e-04
770	151	-4.62	0.27	-0.25	0.0	-1.17e-03	-1.36e-04
770	155	-5.31	1.76	-0.25	0.0	-1.47e-03	3.34e-05
770	169	0.73	6.02	-0.16	0.0	4.60e-04	1.12e-04
770	183	-4.54	0.30	-0.25	0.0	-1.15e-03	-1.33e-04
770	187	-5.22	1.81	-0.25	0.0	-1.44e-03	3.56e-05

770	201	0.72	6.17	-0.17	0.0	4.52e-04	1.11e-04
770	215	-5.29	0.36	-0.28	0.0	-1.34e-03	-1.56e-04
770	219	-6.06	2.17	-0.28	0.0	-1.67e-03	4.31e-05
770	233	0.85	7.32	-0.18	0.0	5.34e-04	1.30e-04
770	256	-0.28	0.08	-0.11	0.0	-1.01e-04	6.41e-06
770	264	-0.42	0.07	-0.11	0.0	-1.24e-04	8.64e-06
770	276	-0.04	0.43	-0.10	0.0	-4.58e-05	1.43e-06
770	298	-0.04	0.06	-0.09	0.0	-4.59e-05	2.01e-06
770	305	-0.11	0.06	-0.09	0.0	-5.85e-05	3.21e-06
770	307	-0.04	0.13	-0.09	0.0	-4.30e-05	1.77e-06
770	310	-0.04	0.05	-0.09	0.0	-4.34e-05	1.83e-06
771	44	-0.56	0.05	-0.12	0.0	-1.71e-04	-4.82e-05
771	68	-0.06	0.53	-0.08	0.0	-6.46e-06	-3.86e-05
771	123	-4.16	1.44	-0.24	0.0	-1.36e-03	-2.48e-04
771	124	-3.80	-0.98	-0.26	0.0	-1.24e-03	-2.07e-04
771	137	0.58	4.83	0.02	0.0	4.88e-04	1.04e-05
771	155	-4.67	1.63	-0.26	0.0	-1.52e-03	-2.76e-04
771	156	-4.27	-1.11	-0.29	0.0	-1.39e-03	-2.30e-04
771	169	0.66	5.47	0.03	0.0	5.50e-04	1.38e-05
771	187	-4.60	1.67	-0.26	0.0	-1.50e-03	-2.72e-04
771	188	-4.20	-1.17	-0.28	0.0	-1.37e-03	-2.27e-04
771	201	0.64	5.60	0.03	0.0	5.42e-04	1.34e-05
771	219	-5.34	2.01	-0.29	0.0	-1.74e-03	-3.13e-04
771	220	-4.88	-1.42	-0.32	0.0	-1.59e-03	-2.60e-04
771	233	0.76	6.66	0.05	0.0	6.34e-04	1.86e-05
771	264	-0.38	0.03	-0.08	0.0	-1.14e-04	-3.29e-05
771	276	-0.04	0.35	-0.06	0.0	-4.65e-06	-2.65e-05
771	305	-0.11	0.01	-0.06	0.0	-2.78e-05	-2.11e-05
771	307	-0.04	0.08	-0.06	0.0	-5.86e-06	-1.98e-05
771	310	-0.04	0.01	-0.06	0.0	-6.34e-06	-1.86e-05
772	44	-0.63	0.11	-0.15	0.0	-1.66e-04	2.07e-05
772	68	-0.06	0.65	-0.11	0.0	-5.70e-05	8.21e-06
772	123	-4.73	1.56	-0.29	0.0	-1.28e-03	8.71e-05
772	124	-4.32	-1.09	-0.31	0.0	-1.40e-03	0.0
772	137	0.66	5.33	0.01	0.0	4.57e-04	1.01e-04
772	155	-5.31	1.76	-0.31	0.0	-1.43e-03	9.75e-05
772	156	-4.85	-1.24	-0.34	0.0	-1.57e-03	0.0
772	169	0.75	6.02	0.02	0.0	5.18e-04	1.13e-04
772	187	-5.22	1.82	-0.31	0.0	-1.41e-03	9.76e-05
772	188	-4.77	-1.30	-0.33	0.0	-1.54e-03	-2.74e-06
772	201	0.73	6.17	0.02	0.0	5.10e-04	1.11e-04
772	219	-6.06	2.17	-0.34	0.0	-1.63e-03	1.14e-04
772	220	-5.54	-1.58	-0.37	0.0	-1.79e-03	-6.03e-06
772	233	0.86	7.33	0.04	0.0	6.03e-04	1.30e-04
772	264	-0.42	0.07	-0.11	0.0	-1.12e-04	1.40e-05
772	276	-0.04	0.43	-0.08	0.0	-3.99e-05	5.71e-06
772	305	-0.11	0.06	-0.08	0.0	-5.34e-05	6.92e-06
772	307	-0.04	0.13	-0.08	0.0	-3.88e-05	5.26e-06
772	310	-0.04	0.05	-0.08	0.0	-3.96e-05	5.21e-06
773	42	-0.57	0.05	-0.09	-4.15e-05	0.0	1.61e-05
773	44	-0.61	0.06	-0.08	-7.58e-05	0.0	4.20e-05
773	68	-0.09	0.54	3.50e-03	-2.22e-04	0.0	1.11e-05
773	123	-4.36	1.47	-0.26	-3.43e-04	0.0	-1.39e-04
773	137	0.61	4.87	0.43	-1.37e-03	0.0	-1.55e-04
773	144	-0.83	-4.41	-0.50	1.20e-03	0.0	2.61e-04
773	155	-4.89	1.66	-0.29	-3.83e-04	0.0	-1.60e-04
773	169	0.69	5.51	0.49	-1.54e-03	0.0	-1.80e-04
773	176	-0.93	-4.99	-0.56	1.36e-03	0.0	2.91e-04
773	187	-4.81	1.71	-0.28	-3.96e-04	0.0	-1.59e-04
773	201	0.68	5.64	0.50	-1.58e-03	0.0	-1.88e-04
773	208	-0.92	-5.12	-0.57	1.40e-03	0.0	2.98e-04
773	219	-5.58	2.05	-0.32	-4.68e-04	0.0	-1.92e-04
773	233	0.80	6.71	0.60	-1.87e-03	0.0	-2.31e-04
773	240	-1.06	-6.10	-0.67	1.67e-03	0.0	3.48e-04
773	262	-0.39	0.03	-0.06	-2.98e-05	0.0	1.21e-05
773	264	-0.41	0.04	-0.06	-5.27e-05	0.0	2.94e-05
773	276	-0.07	0.36	-1.35e-03	-1.50e-04	0.0	8.79e-06
773	304	-0.10	0.01	-0.03	-2.81e-05	0.0	1.75e-05
773	305	-0.13	0.02	-0.03	-4.77e-05	0.0	3.23e-05
773	307	-0.06	0.08	-0.02	-6.72e-05	0.0	2.81e-05
773	309	-0.03	7.83e-03	-0.03	-2.81e-05	0.0	1.90e-05
773	310	-0.06	0.01	-0.03	-4.77e-05	0.0	3.38e-05
774	42	-0.61	0.07	-0.10	-7.98e-05	-6.92e-05	1.35e-05
774	44	-0.63	0.11	-0.09	-1.63e-04	-1.29e-04	1.56e-05
774	68	-0.06	0.65	1.30e-03	-2.79e-04	-9.41e-05	4.26e-06

774	123	-4.73	1.56	-0.28	-1.50e-04	-2.22e-04	7.47e-05
774	137	0.67	5.33	0.46	-1.11e-03	1.22e-04	1.01e-04
774	144	-0.88	-4.79	-0.53	8.65e-04	-2.68e-04	-5.26e-05
774	155	-5.31	1.76	-0.31	-1.56e-04	-2.40e-04	8.39e-05
774	169	0.76	6.03	0.52	-1.24e-03	1.47e-04	1.13e-04
774	176	-0.98	-5.43	-0.60	9.94e-04	-2.94e-04	-5.98e-05
774	187	-5.23	1.82	-0.30	-1.71e-04	-2.35e-04	8.46e-05
774	201	0.74	6.18	0.53	-1.27e-03	1.51e-04	1.12e-04
774	208	-0.96	-5.57	-0.61	1.02e-03	-2.98e-04	-5.98e-05
774	219	-6.07	2.17	-0.34	-1.91e-04	-2.60e-04	9.98e-05
774	233	0.87	7.34	0.64	-1.49e-03	1.92e-04	1.31e-04
774	240	-1.11	-6.64	-0.72	1.24e-03	-3.39e-04	-7.12e-05
774	262	-0.41	0.05	-0.07	-5.87e-05	-4.83e-05	9.15e-06
774	264	-0.42	0.07	-0.07	-1.14e-04	-8.83e-05	1.05e-05
774	276	-0.04	0.43	-3.67e-03	-1.91e-04	-6.49e-05	3.00e-06
774	304	-0.10	0.03	-0.04	-6.70e-05	-3.78e-05	3.33e-06
774	305	-0.12	0.06	-0.04	-1.14e-04	-7.21e-05	4.51e-06
774	307	-0.04	0.13	-0.03	-1.30e-04	-6.74e-05	3.01e-06
774	309	-0.03	0.03	-0.04	-7.00e-05	-3.49e-05	1.92e-06
774	310	-0.04	0.05	-0.03	-1.17e-04	-6.92e-05	3.10e-06
775	44	-1.07	0.40	-1.78	-3.63e-04	0.0	9.78e-05
775	52	-0.03	1.00	-2.02	-4.75e-04	0.0	9.72e-05
775	68	-6.08e-03	1.30	-1.79	-4.60e-04	0.0	7.88e-05
775	123	-8.42	3.05	-1.51	-4.71e-04	0.0	1.41e-04
775	137	2.60	9.96	-1.45	-1.32e-03	0.0	5.69e-05
775	143	-1.54	9.37	-1.63	-1.23e-03	0.0	2.60e-06
775	155	-9.46	3.42	-1.56	-5.05e-04	0.0	1.52e-04
775	169	2.92	11.24	-1.50	-1.46e-03	0.0	5.76e-05
775	175	-1.73	10.57	-1.70	-1.37e-03	0.0	-3.35e-06
775	187	-9.31	3.53	-1.56	-5.17e-04	0.0	1.51e-04
775	201	2.83	11.53	-1.52	-1.49e-03	0.0	6.36e-05
775	207	-1.73	10.85	-1.71	-1.40e-03	0.0	3.80e-06
775	219	-10.82	4.20	-1.65	-5.80e-04	0.0	1.69e-04
775	233	3.30	13.68	-1.61	-1.74e-03	0.0	6.74e-05
775	239	-2.02	12.87	-1.83	-1.62e-03	0.0	-2.44e-06
775	264	-0.71	0.28	-1.25	-2.53e-04	0.0	6.82e-05
775	268	-0.02	0.68	-1.41	-3.27e-04	0.0	6.78e-05
775	276	-6.48e-03	0.88	-1.26	-3.18e-04	0.0	5.55e-05
775	298	-0.04	0.24	-1.13	-2.29e-04	0.0	5.81e-05
775	305	-0.17	0.23	-1.08	-2.18e-04	0.0	5.61e-05
775	307	-0.03	0.35	-1.08	-2.31e-04	0.0	5.35e-05
775	310	-0.03	0.23	-1.08	-2.16e-04	0.0	5.50e-05
776	44	-0.37	-0.14	-0.10	0.0	-1.91e-04	1.51e-05
776	76	-0.05	-0.29	-0.12	0.0	-1.47e-05	-2.51e-05
776	92	-0.04	-0.33	-0.12	0.0	-1.33e-05	-1.93e-05
776	123	-2.72	0.81	0.04	0.0	-1.42e-03	1.88e-04
776	140	-0.37	-3.30	-0.51	0.0	-1.91e-04	3.92e-05
776	155	-3.05	0.93	0.05	0.0	-1.59e-03	2.13e-04
776	172	-0.42	-3.72	-0.57	0.0	-2.13e-04	4.54e-05
776	187	-3.00	0.97	0.05	0.0	-1.56e-03	2.10e-04
776	204	-0.41	-3.81	-0.59	0.0	-2.11e-04	4.08e-05
776	219	-3.48	1.18	0.08	0.0	-1.82e-03	2.46e-04
776	236	-0.48	-4.51	-0.69	0.0	-2.46e-04	4.88e-05
776	264	-0.25	-0.10	-0.07	0.0	-1.28e-04	9.59e-06
776	280	-0.04	-0.20	-0.09	0.0	-1.02e-05	-1.73e-05
776	288	-0.03	-0.22	-0.08	0.0	-9.25e-06	-1.34e-05
776	298	-0.03	-0.11	-0.06	0.0	-8.04e-06	-1.48e-05
776	305	-0.07	-0.10	-0.06	0.0	-3.15e-05	-8.82e-06
776	310	-0.03	-0.10	-0.06	0.0	-7.59e-06	-1.38e-05
777	44	-0.46	-0.05	-0.13	0.0	-1.94e-04	1.31e-05
777	69	-0.01	0.44	-0.01	0.0	1.27e-06	-1.06e-05
777	76	-0.06	-0.22	-0.16	0.0	-9.23e-06	-1.99e-05
777	123	-3.44	1.20	0.02	0.0	-1.43e-03	1.38e-04
777	140	-0.47	-4.34	-0.56	0.0	-4.85e-04	4.38e-06
777	155	-3.86	1.36	0.03	0.0	-1.61e-03	1.57e-04
777	172	-0.52	-4.91	-0.62	0.0	-5.43e-04	6.16e-06
777	187	-3.80	1.41	0.03	0.0	-1.58e-03	1.55e-04
777	204	-0.52	-5.03	-0.64	0.0	-5.32e-04	3.54e-06
777	219	-4.41	1.70	0.06	0.0	-1.84e-03	1.83e-04
777	236	-0.60	-5.97	-0.74	0.0	-6.18e-04	4.83e-06
777	264	-0.31	-0.03	-0.09	0.0	-1.30e-04	8.28e-06
777	273	-0.02	0.28	-0.03	0.0	0.0	-9.58e-06
777	280	-0.04	-0.15	-0.11	0.0	-6.42e-06	-1.37e-05
777	298	-0.03	-0.05	-0.08	0.0	-4.83e-06	-1.18e-05
777	305	-0.09	-0.04	-0.08	0.0	-2.96e-05	-6.89e-06

777	308	-0.02	-0.06	-0.07	0.0	-3.62e-06	-5.92e-06
777	310	-0.03	-0.05	-0.08	0.0	-4.62e-06	-1.10e-05
778	4	0.01	0.03	-0.04	-5.00e-05	0.0	8.33e-06
778	44	-0.11	0.04	-0.03	-6.93e-05	0.0	7.87e-06
778	68	-0.01	0.10	-0.03	-2.03e-04	0.0	1.95e-06
778	121	0.61	0.21	-0.04	-4.13e-04	0.0	-1.04e-05
778	123	-0.69	0.28	-9.99e-03	-5.58e-04	0.0	-5.56e-06
778	129	0.07	0.83	-0.03	-1.67e-03	0.0	-3.19e-05
778	153	0.69	0.23	-0.04	-4.65e-04	0.0	-1.23e-05
778	155	-0.77	0.31	-8.62e-03	-6.28e-04	0.0	-6.91e-06
778	161	0.08	0.94	-0.04	-1.88e-03	0.0	-3.67e-05
778	185	0.68	0.24	-0.04	-4.86e-04	0.0	-1.26e-05
778	187	-0.76	0.32	-9.01e-03	-6.47e-04	0.0	-7.35e-06
778	193	0.08	0.97	-0.04	-1.95e-03	0.0	-3.80e-05
778	217	0.79	0.29	-0.04	-5.83e-04	0.0	-1.60e-05
778	219	-0.88	0.38	-7.16e-03	-7.70e-04	0.0	-9.79e-06
778	225	0.09	1.17	-0.04	-2.35e-03	0.0	-4.68e-05
778	244	8.91e-03	0.02	-0.03	-3.46e-05	0.0	5.75e-06
778	264	-0.08	0.02	-0.02	-4.75e-05	0.0	5.44e-06
778	276	-0.01	0.07	-0.02	-1.36e-04	0.0	1.49e-06
778	298	-9.05e-03	0.02	-0.02	-3.16e-05	0.0	4.82e-06
778	305	-0.02	0.02	-0.02	-3.25e-05	0.0	4.60e-06
778	307	-8.66e-03	0.03	-0.02	-5.03e-05	0.0	3.81e-06
778	310	-8.53e-03	0.02	-0.02	-2.95e-05	0.0	4.50e-06
779	1	0.0	0.0	0.0	-1.76e-05	0.0	1.04e-06
779	113	0.0	0.0	0.0	-8.72e-04	0.0	2.03e-06
779	145	0.0	0.0	0.0	-9.84e-04	0.0	2.10e-06
779	177	0.0	0.0	0.0	-1.02e-03	0.0	2.02e-06
779	209	0.0	0.0	0.0	-1.22e-03	0.0	2.08e-06
779	241	0.0	0.0	0.0	-1.30e-05	0.0	0.0
779	297	0.0	0.0	0.0	-1.74e-05	0.0	0.0
779	309	0.0	0.0	0.0	-1.74e-05	0.0	0.0
780	4	0.03	0.05	-0.07	-4.72e-05	0.0	1.49e-05
780	44	-0.22	0.07	-0.05	-6.73e-05	0.0	1.46e-05
780	68	-0.03	0.20	-0.06	-2.02e-04	0.0	4.91e-06
780	121	1.23	0.41	-0.07	-4.15e-04	0.0	-1.49e-05
780	123	-1.38	0.56	-0.01	-5.60e-04	0.0	-5.47e-06
780	129	0.14	1.66	-0.06	-1.68e-03	0.0	-4.28e-05
780	153	1.39	0.47	-0.08	-4.67e-04	0.0	-1.78e-05
780	155	-1.55	0.63	-9.11e-03	-6.30e-04	0.0	-7.26e-06
780	161	0.16	1.88	-0.07	-1.90e-03	0.0	-4.94e-05
780	185	1.36	0.49	-0.08	-4.88e-04	0.0	-1.80e-05
780	187	-1.53	0.65	-9.90e-03	-6.49e-04	0.0	-7.78e-06
780	193	0.16	1.95	-0.07	-1.97e-03	0.0	-5.09e-05
780	217	1.59	0.58	-0.08	-5.86e-04	0.0	-2.31e-05
780	219	-1.77	0.77	-5.82e-03	-7.73e-04	0.0	-1.10e-05
780	225	0.19	2.35	-0.07	-2.36e-03	0.0	-6.30e-05
780	244	0.02	0.04	-0.05	-3.27e-05	0.0	1.03e-05
780	264	-0.15	0.05	-0.04	-4.61e-05	0.0	1.01e-05
780	276	-0.02	0.14	-0.04	-1.36e-04	0.0	3.62e-06
780	298	-0.02	0.03	-0.04	-3.01e-05	0.0	8.68e-06
780	305	-0.04	0.03	-0.04	-3.11e-05	0.0	8.35e-06
780	307	-0.02	0.05	-0.04	-4.90e-05	0.0	7.06e-06
780	310	-0.02	0.03	-0.04	-2.81e-05	0.0	8.11e-06
781	4	0.04	0.07	-0.09	-4.31e-05	0.0	1.99e-05
781	44	-0.32	0.10	-0.07	-6.42e-05	0.0	2.04e-05
781	68	-0.04	0.30	-0.08	-2.01e-04	0.0	8.25e-06
781	121	1.86	0.62	-0.11	-4.16e-04	0.0	-1.30e-05
781	123	-2.09	0.84	-0.01	-5.61e-04	0.0	0.0
781	129	0.21	2.51	-0.09	-1.69e-03	0.0	-3.18e-05
781	153	2.09	0.70	-0.11	-4.69e-04	0.0	-1.60e-05
781	155	-2.34	0.94	-6.90e-03	-6.31e-04	0.0	0.0
781	161	0.24	2.83	-0.10	-1.91e-03	0.0	-3.73e-05
781	185	2.06	0.73	-0.11	-4.90e-04	0.0	-1.57e-05
781	187	-2.30	0.97	-8.12e-03	-6.51e-04	0.0	-1.01e-06
781	193	0.24	2.94	-0.10	-1.98e-03	0.0	-3.74e-05
781	217	2.39	0.88	-0.12	-5.88e-04	0.0	-2.07e-05
781	219	-2.67	1.16	-1.67e-03	-7.76e-04	0.0	-3.46e-06
781	225	0.28	3.53	-0.11	-2.38e-03	0.0	-4.72e-05
781	244	0.03	0.05	-0.06	-2.99e-05	0.0	1.37e-05
781	264	-0.22	0.07	-0.05	-4.39e-05	0.0	1.41e-05
781	276	-0.03	0.20	-0.06	-1.35e-04	0.0	5.97e-06
781	298	-0.02	0.05	-0.05	-2.78e-05	0.0	1.17e-05
781	305	-0.06	0.05	-0.05	-2.90e-05	0.0	1.14e-05
781	307	-0.02	0.08	-0.05	-4.72e-05	0.0	9.74e-06

781	310	-0.02	0.04	-0.05	-2.60e-05	0.0	1.10e-05
782	4	0.01	0.02	-0.02	-4.36e-05	0.0	6.23e-06
782	44	-0.11	0.03	-0.02	-6.26e-05	0.0	6.45e-06
782	68	-0.01	0.10	-0.02	-2.00e-04	0.0	2.20e-06
782	121	0.61	0.21	-0.02	-4.16e-04	0.0	-4.48e-06
782	123	-0.69	0.28	-6.48e-03	-5.58e-04	0.0	0.0
782	129	0.07	0.84	-0.02	-1.68e-03	0.0	-1.02e-05
782	153	0.69	0.24	-0.03	-4.68e-04	0.0	-5.46e-06
782	155	-0.77	0.32	-5.57e-03	-6.29e-04	0.0	0.0
782	161	0.08	0.95	-0.02	-1.90e-03	0.0	-1.19e-05
782	185	0.68	0.25	-0.03	-4.89e-04	0.0	-5.32e-06
782	187	-0.76	0.33	-5.80e-03	-6.48e-04	0.0	0.0
782	193	0.08	0.99	-0.02	-1.97e-03	0.0	-1.19e-05
782	217	0.79	0.29	-0.03	-5.88e-04	0.0	-6.95e-06
782	219	-0.88	0.39	-4.56e-03	-7.72e-04	0.0	0.0
782	225	0.09	1.19	-0.02	-2.37e-03	0.0	-1.50e-05
782	244	8.41e-03	0.02	-0.02	-3.02e-05	0.0	4.30e-06
782	264	-0.07	0.02	-0.01	-4.28e-05	0.0	4.45e-06
782	276	-0.01	0.07	-0.02	-1.34e-04	0.0	1.61e-06
782	298	-9.08e-03	0.01	-0.01	-2.78e-05	0.0	3.68e-06
782	305	-0.02	0.01	-0.01	-2.88e-05	0.0	3.57e-06
782	307	-8.69e-03	0.02	-0.01	-4.71e-05	0.0	3.00e-06
782	310	-8.56e-03	0.01	-0.01	-2.60e-05	0.0	3.44e-06
783	1	0.0	0.0	0.0	-1.47e-05	0.0	0.0
783	113	0.0	0.0	0.0	-8.79e-04	0.0	2.08e-06
783	145	0.0	0.0	0.0	-9.91e-04	0.0	2.24e-06
783	177	0.0	0.0	0.0	-1.02e-03	0.0	2.19e-06
783	209	0.0	0.0	0.0	-1.23e-03	0.0	2.39e-06
783	241	0.0	0.0	0.0	-1.09e-05	0.0	0.0
783	297	0.0	0.0	0.0	-1.51e-05	0.0	0.0
783	309	0.0	0.0	0.0	-1.51e-05	0.0	0.0
784	4	0.03	0.04	-0.05	-4.21e-05	0.0	1.12e-05
784	44	-0.22	0.06	-0.04	-6.14e-05	0.0	1.20e-05
784	68	-0.03	0.20	-0.04	-2.00e-04	0.0	4.42e-06
784	121	1.23	0.42	-0.05	-4.14e-04	0.0	-7.86e-06
784	123	-1.39	0.56	-0.01	-5.56e-04	0.0	1.77e-06
784	129	0.14	1.68	-0.04	-1.67e-03	0.0	-1.49e-05
784	153	1.39	0.47	-0.05	-4.66e-04	0.0	-9.57e-06
784	155	-1.56	0.63	-0.01	-6.26e-04	0.0	1.22e-06
784	161	0.16	1.90	-0.04	-1.89e-03	0.0	-1.74e-05
784	185	1.37	0.49	-0.05	-4.87e-04	0.0	-9.14e-06
784	187	-1.53	0.65	-0.01	-6.45e-04	0.0	1.30e-06
784	193	0.16	1.97	-0.04	-1.96e-03	0.0	-1.69e-05
784	217	1.59	0.59	-0.05	-5.85e-04	0.0	-1.19e-05
784	219	-1.78	0.77	-9.05e-03	-7.69e-04	0.0	0.0
784	225	0.19	2.37	-0.05	-2.36e-03	0.0	-2.14e-05
784	244	0.02	0.03	-0.03	-2.92e-05	0.0	7.76e-06
784	264	-0.15	0.04	-0.03	-4.21e-05	0.0	8.25e-06
784	276	-0.02	0.13	-0.03	-1.34e-04	0.0	3.21e-06
784	298	-0.02	0.03	-0.03	-2.70e-05	0.0	6.67e-06
784	305	-0.04	0.03	-0.03	-2.80e-05	0.0	6.52e-06
784	307	-0.02	0.05	-0.03	-4.64e-05	0.0	5.51e-06
784	310	-0.02	0.03	-0.03	-2.52e-05	0.0	6.24e-06
785	4	0.04	0.06	-0.07	-4.00e-05	0.0	1.49e-05
785	44	-0.32	0.09	-0.06	-5.99e-05	0.0	1.66e-05
785	68	-0.04	0.30	-0.06	-1.99e-04	0.0	6.45e-06
785	121	1.86	0.62	-0.07	-4.11e-04	0.0	-8.82e-06
785	123	-2.09	0.84	-0.02	-5.52e-04	0.0	5.19e-06
785	129	0.21	2.52	-0.06	-1.67e-03	0.0	-1.08e-05
785	153	2.09	0.70	-0.07	-4.64e-04	0.0	-1.08e-05
785	155	-2.34	0.94	-0.02	-6.22e-04	0.0	4.86e-06
785	161	0.24	2.85	-0.07	-1.88e-03	0.0	-1.29e-05
785	185	2.06	0.73	-0.07	-4.84e-04	0.0	-9.88e-06
785	187	-2.30	0.97	-0.02	-6.41e-04	0.0	5.32e-06
785	193	0.24	2.96	-0.07	-1.95e-03	0.0	-1.10e-05
785	217	2.40	0.88	-0.08	-5.82e-04	0.0	-1.30e-05
785	219	-2.67	1.16	-0.01	-7.64e-04	0.0	4.77e-06
785	225	0.28	3.55	-0.07	-2.35e-03	0.0	-1.44e-05
785	244	0.03	0.04	-0.05	-2.77e-05	0.0	1.03e-05
785	264	-0.21	0.06	-0.04	-4.10e-05	0.0	1.14e-05
785	276	-0.03	0.20	-0.05	-1.34e-04	0.0	4.66e-06
785	298	-0.02	0.04	-0.04	-2.58e-05	0.0	8.95e-06
785	305	-0.06	0.04	-0.04	-2.70e-05	0.0	8.80e-06
785	307	-0.02	0.07	-0.04	-4.55e-05	0.0	7.45e-06
785	310	-0.02	0.04	-0.04	-2.41e-05	0.0	8.36e-06

786	44	-0.11	0.03	-0.02	-5.71e-05	0.0	4.79e-06
786	52	-0.02	0.07	-0.02	-1.41e-04	0.0	3.21e-06
786	68	-0.01	0.10	-0.02	-1.98e-04	0.0	1.76e-06
786	121	0.61	0.21	-0.02	-4.15e-04	0.0	-3.66e-06
786	123	-0.69	0.28	-9.37e-03	-5.54e-04	0.0	1.82e-06
786	129	0.07	0.84	-0.02	-1.68e-03	0.0	-3.46e-06
786	153	0.69	0.24	-0.02	-4.68e-04	0.0	-4.36e-06
786	155	-0.78	0.31	-8.92e-03	-6.24e-04	0.0	1.79e-06
786	161	0.08	0.95	-0.02	-1.90e-03	0.0	-4.08e-06
786	185	0.68	0.25	-0.02	-4.88e-04	0.0	-4.02e-06
786	187	-0.76	0.32	-9.04e-03	-6.43e-04	0.0	1.93e-06
786	193	0.08	0.99	-0.02	-1.97e-03	0.0	-3.41e-06
786	217	0.79	0.30	-0.02	-5.87e-04	0.0	-5.08e-06
786	219	-0.88	0.39	-8.43e-03	-7.67e-04	0.0	1.87e-06
786	225	0.09	1.19	-0.02	-2.37e-03	0.0	-4.40e-06
786	264	-0.07	0.02	-0.01	-3.91e-05	0.0	3.29e-06
786	268	-0.01	0.05	-0.02	-9.51e-05	0.0	2.24e-06
786	276	-0.01	0.07	-0.01	-1.33e-04	0.0	1.27e-06
786	298	-9.02e-03	0.01	-0.01	-2.50e-05	0.0	2.43e-06
786	305	-0.02	0.01	-0.01	-2.60e-05	0.0	2.43e-06
786	307	-8.63e-03	0.02	-0.01	-4.47e-05	0.0	2.02e-06
786	310	-8.50e-03	0.01	-0.01	-2.33e-05	0.0	2.27e-06
787	1	0.0	0.0	0.0	-1.28e-05	0.0	0.0
787	113	0.0	0.0	0.0	-8.75e-04	0.0	2.10e-06
787	145	0.0	0.0	0.0	-9.88e-04	0.0	2.30e-06
787	177	0.0	0.0	0.0	-1.02e-03	0.0	2.27e-06
787	209	0.0	0.0	0.0	-1.22e-03	0.0	2.56e-06
787	241	0.0	0.0	0.0	-9.56e-06	0.0	0.0
787	297	0.0	0.0	0.0	-1.35e-05	0.0	0.0
787	309	0.0	0.0	0.0	-1.35e-05	0.0	0.0
788	4	0.03	0.04	-0.05	-3.84e-05	0.0	7.30e-06
788	44	-0.21	0.06	-0.04	-5.67e-05	0.0	9.04e-06
788	68	-0.03	0.20	-0.04	-1.98e-04	0.0	3.33e-06
788	121	1.23	0.42	-0.04	-4.12e-04	0.0	-7.78e-06
788	123	-1.39	0.56	-0.02	-5.50e-04	0.0	3.13e-06
788	129	0.14	1.68	-0.03	-1.66e-03	0.0	-7.44e-06
788	153	1.39	0.47	-0.04	-4.64e-04	0.0	-9.20e-06
788	155	-1.56	0.63	-0.02	-6.19e-04	0.0	3.04e-06
788	161	0.16	1.90	-0.04	-1.88e-03	0.0	-8.73e-06
788	185	1.37	0.49	-0.04	-4.85e-04	0.0	-8.57e-06
788	187	-1.53	0.65	-0.02	-6.38e-04	0.0	3.28e-06
788	193	0.16	1.97	-0.04	-1.95e-03	0.0	-7.55e-06
788	217	1.59	0.59	-0.04	-5.83e-04	0.0	-1.07e-05
788	219	-1.78	0.77	-0.02	-7.62e-04	0.0	3.09e-06
788	225	0.19	2.37	-0.04	-2.35e-03	0.0	-9.64e-06
788	244	0.02	0.03	-0.03	-2.66e-05	0.0	5.05e-06
788	264	-0.14	0.04	-0.03	-3.88e-05	0.0	6.21e-06
788	276	-0.02	0.13	-0.03	-1.33e-04	0.0	2.40e-06
788	298	-0.02	0.03	-0.03	-2.47e-05	0.0	4.50e-06
788	305	-0.04	0.03	-0.03	-2.57e-05	0.0	4.52e-06
788	307	-0.02	0.04	-0.03	-4.45e-05	0.0	3.76e-06
788	310	-0.02	0.02	-0.03	-2.31e-05	0.0	4.21e-06
789	4	0.04	0.06	-0.07	-3.77e-05	0.0	9.82e-06
789	44	-0.31	0.09	-0.06	-5.62e-05	0.0	1.27e-05
789	68	-0.04	0.30	-0.06	-1.98e-04	0.0	4.64e-06
789	121	1.86	0.62	-0.05	-4.08e-04	0.0	-1.22e-05
789	123	-2.09	0.83	-0.03	-5.44e-04	0.0	3.35e-06
789	129	0.21	2.51	-0.05	-1.65e-03	0.0	-1.29e-05
789	153	2.09	0.70	-0.06	-4.59e-04	0.0	-1.44e-05
789	155	-2.34	0.93	-0.03	-6.13e-04	0.0	3.09e-06
789	161	0.24	2.84	-0.05	-1.86e-03	0.0	-1.51e-05
789	185	2.06	0.73	-0.06	-4.80e-04	0.0	-1.37e-05
789	187	-2.31	0.96	-0.03	-6.32e-04	0.0	3.28e-06
789	193	0.24	2.95	-0.05	-1.93e-03	0.0	-1.39e-05
789	217	2.40	0.88	-0.06	-5.77e-04	0.0	-1.70e-05
789	219	-2.68	1.15	-0.02	-7.54e-04	0.0	2.72e-06
789	225	0.28	3.54	-0.06	-2.32e-03	0.0	-1.77e-05
789	244	0.03	0.04	-0.05	-2.61e-05	0.0	6.80e-06
789	264	-0.21	0.06	-0.04	-3.84e-05	0.0	8.71e-06
789	276	-0.03	0.20	-0.04	-1.33e-04	0.0	3.35e-06
789	298	-0.02	0.04	-0.04	-2.43e-05	0.0	6.12e-06
789	305	-0.06	0.04	-0.04	-2.53e-05	0.0	6.20e-06
789	307	-0.02	0.07	-0.04	-4.42e-05	0.0	5.13e-06
789	310	-0.02	0.03	-0.04	-2.27e-05	0.0	5.73e-06
790	4	0.01	0.02	-0.02	-3.61e-05	0.0	2.13e-06

790	44	-0.11	0.03	-0.02	-5.30e-05	0.0	3.40e-06
790	68	-0.01	0.10	-0.02	-1.97e-04	0.0	1.15e-06
790	121	0.61	0.21	-0.02	-4.12e-04	0.0	-6.42e-06
790	123	-0.69	0.28	-0.01	-5.47e-04	0.0	0.0
790	137	0.10	0.84	-0.02	-1.67e-03	0.0	0.0
790	153	0.69	0.23	-0.02	-4.64e-04	0.0	-7.38e-06
790	155	-0.78	0.31	-0.01	-6.16e-04	0.0	0.0
790	161	0.08	0.95	-0.02	-1.88e-03	0.0	-1.07e-05
790	185	0.68	0.24	-0.02	-4.85e-04	0.0	-7.29e-06
790	187	-0.76	0.32	-0.01	-6.35e-04	0.0	0.0
790	193	0.08	0.98	-0.02	-1.95e-03	0.0	-1.08e-05
790	217	0.79	0.29	-0.02	-5.83e-04	0.0	-8.86e-06
790	219	-0.89	0.38	-0.01	-7.58e-04	0.0	-1.20e-06
790	225	0.09	1.18	-0.02	-2.35e-03	0.0	-1.33e-05
790	244	7.90e-03	0.01	-0.02	-2.50e-05	0.0	1.48e-06
790	264	-0.07	0.02	-0.01	-3.63e-05	0.0	2.33e-06
790	276	-0.01	0.07	-0.01	-1.32e-04	0.0	0.0
790	298	-8.98e-03	0.01	-0.01	-2.32e-05	0.0	1.41e-06
790	305	-0.02	0.01	-0.01	-2.41e-05	0.0	1.49e-06
790	307	-8.60e-03	0.02	-0.01	-4.32e-05	0.0	1.19e-06
790	310	-8.46e-03	0.01	-0.01	-2.16e-05	0.0	1.32e-06
791	1	0.0	0.0	0.0	-1.18e-05	0.0	0.0
791	113	0.0	0.0	0.0	-8.67e-04	0.0	1.80e-06
791	145	0.0	0.0	0.0	-9.79e-04	0.0	1.98e-06
791	177	0.0	0.0	0.0	-1.01e-03	0.0	1.93e-06
791	209	0.0	0.0	0.0	-1.21e-03	0.0	2.19e-06
791	241	0.0	0.0	0.0	-8.79e-06	0.0	0.0
791	297	0.0	0.0	0.0	-1.25e-05	0.0	0.0
791	309	0.0	0.0	0.0	-1.25e-05	0.0	0.0
792	4	0.03	0.04	-0.04	-3.60e-05	0.0	4.06e-06
792	44	-0.21	0.05	-0.04	-5.30e-05	0.0	6.57e-06
792	68	-0.03	0.20	-0.04	-1.96e-04	0.0	2.19e-06
792	121	1.24	0.41	-0.03	-4.09e-04	0.0	-1.32e-05
792	123	-1.39	0.55	-0.02	-5.42e-04	0.0	-1.20e-06
792	137	0.20	1.67	-0.03	-1.65e-03	0.0	0.0
792	153	1.39	0.47	-0.03	-4.61e-04	0.0	-1.52e-05
792	155	-1.56	0.62	-0.02	-6.11e-04	0.0	-1.70e-06
792	161	0.16	1.89	-0.03	-1.87e-03	0.0	-2.23e-05
792	185	1.37	0.49	-0.03	-4.81e-04	0.0	-1.50e-05
792	187	-1.53	0.64	-0.02	-6.30e-04	0.0	-1.95e-06
792	193	0.16	1.96	-0.03	-1.93e-03	0.0	-2.27e-05
792	217	1.59	0.58	-0.03	-5.78e-04	0.0	-1.82e-05
792	219	-1.78	0.76	-0.02	-7.52e-04	0.0	-3.02e-06
792	225	0.19	2.35	-0.03	-2.33e-03	0.0	-2.79e-05
792	244	0.02	0.03	-0.03	-2.49e-05	0.0	2.82e-06
792	264	-0.14	0.04	-0.03	-3.62e-05	0.0	4.50e-06
792	276	-0.02	0.13	-0.03	-1.32e-04	0.0	1.58e-06
792	298	-0.02	0.02	-0.03	-2.31e-05	0.0	2.70e-06
792	305	-0.04	0.02	-0.03	-2.40e-05	0.0	2.87e-06
792	307	-0.02	0.04	-0.03	-4.32e-05	0.0	2.28e-06
792	310	-0.02	0.02	-0.03	-2.16e-05	0.0	2.53e-06
793	4	0.04	0.05	-0.07	-3.58e-05	0.0	5.75e-06
793	44	-0.31	0.08	-0.06	-5.29e-05	0.0	9.57e-06
793	68	-0.04	0.29	-0.06	-1.96e-04	0.0	3.18e-06
793	121	1.86	0.62	-0.05	-4.03e-04	0.0	-1.97e-05
793	123	-2.09	0.82	-0.03	-5.35e-04	0.0	-2.62e-06
793	137	0.30	2.49	-0.04	-1.64e-03	0.0	0.0
793	153	2.10	0.70	-0.05	-4.55e-04	0.0	-2.26e-05
793	155	-2.35	0.92	-0.03	-6.03e-04	0.0	-3.47e-06
793	169	0.33	2.82	-0.05	-1.85e-03	0.0	0.0
793	185	2.06	0.73	-0.05	-4.75e-04	0.0	-2.25e-05
793	187	-2.31	0.95	-0.03	-6.22e-04	0.0	-3.88e-06
793	193	0.24	2.92	-0.05	-1.91e-03	0.0	-3.50e-05
793	217	2.40	0.87	-0.05	-5.71e-04	0.0	-2.73e-05
793	219	-2.68	1.14	-0.03	-7.43e-04	0.0	-5.66e-06
793	225	0.28	3.51	-0.05	-2.30e-03	0.0	-4.31e-05
793	244	0.02	0.04	-0.05	-2.48e-05	0.0	4.00e-06
793	264	-0.21	0.05	-0.04	-3.62e-05	0.0	6.55e-06
793	276	-0.03	0.20	-0.04	-1.32e-04	0.0	2.29e-06
793	298	-0.03	0.03	-0.04	-2.30e-05	0.0	3.86e-06
793	305	-0.06	0.04	-0.04	-2.39e-05	0.0	4.12e-06
793	307	-0.02	0.06	-0.04	-4.31e-05	0.0	3.27e-06
793	310	-0.02	0.03	-0.04	-2.15e-05	0.0	3.62e-06
794	4	0.01	0.02	-0.02	-3.47e-05	0.0	0.0
794	44	-0.11	0.03	-0.02	-5.00e-05	0.0	2.43e-06

794	68	-0.01	0.10	-0.02	-1.96e-04	0.0	0.0
794	121	0.62	0.21	-0.01	-4.08e-04	0.0	3.65e-06
794	123	-0.69	0.27	-0.01	-5.38e-04	0.0	9.89e-06
794	137	0.10	0.84	-0.01	-1.66e-03	0.0	-1.52e-06
794	153	0.69	0.23	-0.02	-4.60e-04	0.0	4.05e-06
794	155	-0.78	0.31	-0.01	-6.06e-04	0.0	1.11e-05
794	169	0.11	0.94	-0.01	-1.88e-03	0.0	-1.78e-06
794	185	0.68	0.24	-0.02	-4.80e-04	0.0	4.30e-06
794	187	-0.76	0.31	-0.01	-6.25e-04	0.0	1.11e-05
794	193	0.08	0.97	-0.01	-1.93e-03	0.0	2.98e-05
794	217	0.79	0.29	-0.02	-5.77e-04	0.0	5.15e-06
794	219	-0.89	0.38	-0.01	-7.46e-04	0.0	1.30e-05
794	225	0.09	1.17	-0.01	-2.32e-03	0.0	3.55e-05
794	244	7.63e-03	0.01	-0.02	-2.40e-05	0.0	0.0
794	264	-0.07	0.02	-0.01	-3.42e-05	0.0	1.65e-06
794	276	-0.01	0.07	-0.01	-1.31e-04	0.0	0.0
794	298	-9.00e-03	0.01	-0.01	-2.21e-05	0.0	0.0
794	305	-0.02	0.01	-0.01	-2.29e-05	0.0	0.0
794	307	-8.62e-03	0.02	-0.01	-4.23e-05	0.0	0.0
794	310	-8.48e-03	0.01	-0.01	-2.06e-05	0.0	0.0
795	1	0.0	0.0	0.0	-1.14e-05	0.0	0.0
795	113	0.0	0.0	0.0	-8.57e-04	0.0	3.03e-06
795	145	0.0	0.0	0.0	-9.67e-04	0.0	3.38e-06
795	177	0.0	0.0	0.0	-9.99e-04	0.0	3.35e-06
795	209	0.0	0.0	0.0	-1.20e-03	0.0	3.92e-06
795	241	0.0	0.0	0.0	-8.48e-06	0.0	0.0
795	297	0.0	0.0	0.0	-1.19e-05	0.0	0.0
795	309	0.0	0.0	0.0	-1.19e-05	0.0	0.0
796	4	0.02	0.03	-0.05	-3.45e-05	0.0	1.84e-06
796	44	-0.21	0.05	-0.04	-4.99e-05	0.0	4.84e-06
796	68	-0.03	0.20	-0.04	-1.96e-04	0.0	1.31e-06
796	121	1.24	0.41	-0.03	-4.04e-04	0.0	7.57e-06
796	123	-1.39	0.54	-0.02	-5.33e-04	0.0	2.00e-05
796	137	0.20	1.67	-0.03	-1.65e-03	0.0	-2.70e-06
796	153	1.39	0.46	-0.03	-4.56e-04	0.0	8.42e-06
796	155	-1.56	0.61	-0.02	-6.01e-04	0.0	2.24e-05
796	169	0.22	1.88	-0.03	-1.86e-03	0.0	-3.18e-06
796	185	1.37	0.48	-0.03	-4.76e-04	0.0	8.91e-06
796	187	-1.53	0.63	-0.02	-6.19e-04	0.0	2.24e-05
796	193	0.16	1.93	-0.03	-1.91e-03	0.0	6.09e-05
796	217	1.59	0.58	-0.03	-5.72e-04	0.0	1.07e-05
796	219	-1.78	0.75	-0.02	-7.40e-04	0.0	2.64e-05
796	225	0.19	2.33	-0.03	-2.30e-03	0.0	7.24e-05
796	244	0.02	0.02	-0.03	-2.39e-05	0.0	1.30e-06
796	264	-0.14	0.03	-0.03	-3.42e-05	0.0	3.29e-06
796	276	-0.02	0.13	-0.03	-1.31e-04	0.0	0.0
796	298	-0.02	0.02	-0.03	-2.20e-05	0.0	1.47e-06
796	305	-0.04	0.02	-0.03	-2.28e-05	0.0	1.72e-06
796	307	-0.02	0.04	-0.03	-4.22e-05	0.0	1.25e-06
796	310	-0.02	0.02	-0.03	-2.06e-05	0.0	1.38e-06
797	4	0.04	0.05	-0.07	-3.43e-05	0.0	2.98e-06
797	44	-0.31	0.07	-0.06	-4.99e-05	0.0	7.39e-06
797	68	-0.04	0.29	-0.06	-1.95e-04	0.0	2.12e-06
797	121	1.86	0.61	-0.04	-3.99e-04	0.0	1.16e-05
797	123	-2.09	0.81	-0.04	-5.26e-04	0.0	2.93e-05
797	137	0.30	2.49	-0.04	-1.63e-03	0.0	-3.15e-06
797	153	2.10	0.69	-0.04	-4.50e-04	0.0	1.29e-05
797	155	-2.35	0.91	-0.03	-5.93e-04	0.0	3.28e-05
797	169	0.33	2.81	-0.04	-1.84e-03	0.0	-3.78e-06
797	185	2.06	0.72	-0.04	-4.70e-04	0.0	1.36e-05
797	187	-2.31	0.94	-0.03	-6.12e-04	0.0	3.29e-05
797	193	0.24	2.89	-0.04	-1.88e-03	0.0	9.02e-05
797	217	2.40	0.86	-0.05	-5.64e-04	0.0	1.63e-05
797	219	-2.68	1.12	-0.03	-7.31e-04	0.0	3.86e-05
797	225	0.28	3.47	-0.04	-2.27e-03	0.0	1.07e-04
797	244	0.02	0.04	-0.05	-2.38e-05	0.0	2.09e-06
797	264	-0.21	0.05	-0.04	-3.41e-05	0.0	5.04e-06
797	276	-0.03	0.20	-0.04	-1.31e-04	0.0	1.52e-06
797	298	-0.03	0.03	-0.04	-2.19e-05	0.0	2.31e-06
797	305	-0.06	0.03	-0.04	-2.27e-05	0.0	2.69e-06
797	307	-0.02	0.06	-0.04	-4.21e-05	0.0	1.99e-06
797	310	-0.02	0.03	-0.04	-2.05e-05	0.0	2.17e-06
798	4	0.01	0.02	-0.02	-3.40e-05	0.0	0.0
798	44	-0.11	0.02	-0.02	-4.76e-05	0.0	1.92e-06
798	68	-0.01	0.10	-0.02	-1.95e-04	0.0	0.0

798	118	0.61	-0.03	-0.01	5.82e-05	0.0	2.08e-05
798	123	-0.69	0.27	-0.01	-5.28e-04	0.0	1.01e-05
798	137	0.10	0.83	-0.01	-1.65e-03	0.0	-2.84e-06
798	150	0.68	-0.03	-0.01	6.86e-05	0.0	2.33e-05
798	155	-0.78	0.30	-0.01	-5.95e-04	0.0	1.14e-05
798	169	0.11	0.94	-0.01	-1.87e-03	0.0	-3.26e-06
798	182	0.67	-0.04	-0.01	7.09e-05	0.0	2.29e-05
798	187	-0.76	0.31	-0.01	-6.13e-04	0.0	1.15e-05
798	201	0.11	0.96	-0.01	-1.92e-03	0.0	-3.21e-06
798	214	0.78	-0.04	-0.01	8.59e-05	0.0	2.67e-05
798	219	-0.89	0.37	-0.01	-7.33e-04	0.0	1.36e-05
798	225	0.09	1.15	-0.01	-2.28e-03	0.0	3.87e-05
798	244	7.32e-03	0.01	-0.02	-2.35e-05	0.0	0.0
798	264	-0.07	0.02	-0.01	-3.26e-05	0.0	1.30e-06
798	276	-0.01	0.07	-0.01	-1.31e-04	0.0	0.0
798	298	-9.08e-03	0.01	-0.01	-2.15e-05	0.0	0.0
798	305	-0.02	0.01	-0.01	-2.21e-05	0.0	0.0
798	307	-8.71e-03	0.02	-0.01	-4.18e-05	0.0	0.0
798	310	-8.55e-03	0.01	-0.01	-2.01e-05	0.0	0.0
799	1	0.0	0.0	0.0	-1.14e-05	0.0	0.0
799	113	0.0	0.0	0.0	-8.45e-04	0.0	3.09e-06
799	145	0.0	0.0	0.0	-9.54e-04	0.0	3.47e-06
799	177	0.0	0.0	0.0	-9.85e-04	0.0	3.45e-06
799	209	0.0	0.0	0.0	-1.18e-03	0.0	4.05e-06
799	241	0.0	0.0	0.0	-8.45e-06	0.0	0.0
799	297	0.0	0.0	0.0	-1.15e-05	0.0	0.0
799	309	0.0	0.0	0.0	-1.15e-05	0.0	0.0
800	4	0.02	0.03	-0.05	-3.36e-05	0.0	0.0
800	44	-0.21	0.05	-0.04	-4.74e-05	0.0	3.91e-06
800	68	-0.03	0.20	-0.04	-1.95e-04	0.0	0.0
800	118	1.22	-0.06	-0.03	5.81e-05	0.0	4.27e-05
800	123	-1.39	0.53	-0.02	-5.23e-04	0.0	2.05e-05
800	137	0.20	1.66	-0.03	-1.64e-03	0.0	-5.37e-06
800	150	1.37	-0.07	-0.03	6.84e-05	0.0	4.78e-05
800	155	-1.56	0.60	-0.02	-5.90e-04	0.0	2.31e-05
800	169	0.22	1.87	-0.03	-1.85e-03	0.0	-6.18e-06
800	182	1.35	-0.07	-0.03	7.07e-05	0.0	4.70e-05
800	187	-1.53	0.62	-0.02	-6.08e-04	0.0	2.32e-05
800	201	0.22	1.92	-0.03	-1.90e-03	0.0	-6.04e-06
800	214	1.57	-0.09	-0.03	8.56e-05	0.0	5.49e-05
800	219	-1.78	0.74	-0.02	-7.27e-04	0.0	2.74e-05
800	225	0.19	2.29	-0.03	-2.26e-03	0.0	7.88e-05
800	244	0.02	0.02	-0.03	-2.33e-05	0.0	0.0
800	264	-0.14	0.03	-0.03	-3.24e-05	0.0	2.65e-06
800	276	-0.02	0.13	-0.03	-1.31e-04	0.0	0.0
800	298	-0.02	0.02	-0.03	-2.13e-05	0.0	0.0
800	305	-0.04	0.02	-0.03	-2.19e-05	0.0	1.15e-06
800	307	-0.02	0.04	-0.03	-4.16e-05	0.0	0.0
800	310	-0.02	0.02	-0.03	-1.99e-05	0.0	0.0
801	4	0.04	0.05	-0.07	-3.31e-05	0.0	1.58e-06
801	44	-0.31	0.07	-0.06	-4.70e-05	0.0	6.17e-06
801	68	-0.04	0.29	-0.06	-1.94e-04	0.0	1.56e-06
801	118	1.84	-0.09	-0.04	5.78e-05	0.0	6.37e-05
801	123	-2.09	0.79	-0.04	-5.17e-04	0.0	3.00e-05
801	137	0.30	2.48	-0.04	-1.62e-03	0.0	-6.94e-06
801	150	2.07	-0.10	-0.04	6.81e-05	0.0	7.13e-05
801	155	-2.35	0.89	-0.04	-5.83e-04	0.0	3.37e-05
801	169	0.33	2.80	-0.04	-1.83e-03	0.0	-8.03e-06
801	182	2.03	-0.11	-0.04	7.04e-05	0.0	7.01e-05
801	187	-2.31	0.92	-0.04	-6.01e-04	0.0	3.39e-05
801	201	0.33	2.87	-0.04	-1.88e-03	0.0	-7.77e-06
801	214	2.37	-0.13	-0.04	8.52e-05	0.0	8.18e-05
801	219	-2.68	1.10	-0.04	-7.18e-04	0.0	4.00e-05
801	225	0.28	3.42	-0.04	-2.23e-03	0.0	1.16e-04
801	244	0.02	0.04	-0.05	-2.29e-05	0.0	1.13e-06
801	264	-0.21	0.05	-0.04	-3.22e-05	0.0	4.19e-06
801	276	-0.03	0.20	-0.04	-1.30e-04	0.0	1.11e-06
801	298	-0.03	0.03	-0.04	-2.10e-05	0.0	1.52e-06
801	305	-0.06	0.03	-0.04	-2.17e-05	0.0	1.94e-06
801	307	-0.02	0.06	-0.04	-4.13e-05	0.0	1.33e-06
801	310	-0.02	0.03	-0.04	-1.96e-05	0.0	1.43e-06
802	44	-0.10	0.02	-0.02	-4.56e-05	0.0	2.02e-06
802	68	-0.02	0.10	-0.02	-1.95e-04	0.0	0.0
802	76	-0.02	-5.23e-03	-0.02	1.11e-05	0.0	1.03e-06
802	123	-0.69	0.26	-0.01	-5.18e-04	0.0	9.77e-06

802	137	0.10	0.83	-0.01	-1.64e-03	0.0	-2.10e-06
802	140	-0.11	-0.81	-0.01	1.60e-03	0.0	3.08e-06
802	155	-0.78	0.29	-0.01	-5.84e-04	0.0	1.10e-05
802	169	0.11	0.93	-0.01	-1.86e-03	0.0	-2.43e-06
802	172	-0.13	-0.91	-0.01	1.82e-03	0.0	3.42e-06
802	187	-0.76	0.30	-0.01	-6.02e-04	0.0	1.10e-05
802	201	0.11	0.96	-0.01	-1.91e-03	0.0	-2.35e-06
802	204	-0.13	-0.94	-0.01	1.87e-03	0.0	3.33e-06
802	219	-0.89	0.36	-0.01	-7.19e-04	0.0	1.30e-05
802	233	0.13	1.14	-0.01	-2.26e-03	0.0	-2.86e-06
802	236	-0.15	-1.12	-0.01	2.22e-03	0.0	3.84e-06
802	264	-0.07	0.02	-0.01	-3.12e-05	0.0	1.38e-06
802	276	-0.01	0.07	-0.01	-1.31e-04	0.0	0.0
802	280	-0.01	-3.06e-03	-0.02	6.54e-06	0.0	0.0
802	298	-9.19e-03	0.01	-0.01	-2.11e-05	0.0	0.0
802	305	-0.02	0.01	-0.01	-2.15e-05	0.0	0.0
802	307	-8.83e-03	0.02	-0.01	-4.14e-05	0.0	0.0
802	310	-8.65e-03	9.99e-03	-0.01	-1.97e-05	0.0	0.0
803	1	0.0	0.0	0.0	-1.15e-05	0.0	0.0
803	113	0.0	0.0	0.0	-8.34e-04	0.0	3.20e-06
803	145	0.0	0.0	0.0	-9.42e-04	0.0	3.59e-06
803	177	0.0	0.0	0.0	-9.71e-04	0.0	3.56e-06
803	209	0.0	0.0	0.0	-1.16e-03	0.0	4.18e-06
803	241	0.0	0.0	0.0	-8.50e-06	0.0	0.0
803	297	0.0	0.0	0.0	-1.13e-05	0.0	0.0
803	309	0.0	0.0	0.0	-1.13e-05	0.0	0.0
804	44	-0.21	0.05	-0.04	-4.51e-05	0.0	4.01e-06
804	68	-0.03	0.19	-0.04	-1.94e-04	0.0	1.04e-06
804	76	-0.03	-0.01	-0.04	1.17e-05	0.0	2.06e-06
804	123	-1.39	0.52	-0.02	-5.14e-04	0.0	2.00e-05
804	137	0.20	1.65	-0.02	-1.63e-03	0.0	-4.59e-06
804	140	-0.23	-1.61	-0.03	1.59e-03	0.0	6.58e-06
804	155	-1.56	0.59	-0.02	-5.79e-04	0.0	2.24e-05
804	169	0.22	1.86	-0.02	-1.84e-03	0.0	-5.32e-06
804	172	-0.26	-1.82	-0.03	1.80e-03	0.0	7.31e-06
804	187	-1.53	0.60	-0.02	-5.97e-04	0.0	2.25e-05
804	201	0.22	1.91	-0.02	-1.89e-03	0.0	-5.18e-06
804	204	-0.25	-1.87	-0.03	1.85e-03	0.0	7.17e-06
804	219	-1.78	0.72	-0.02	-7.14e-04	0.0	2.66e-05
804	233	0.26	2.27	-0.02	-2.25e-03	0.0	-6.30e-06
804	236	-0.29	-2.23	-0.03	2.21e-03	0.0	8.29e-06
804	264	-0.14	0.03	-0.03	-3.09e-05	0.0	2.73e-06
804	276	-0.02	0.13	-0.03	-1.30e-04	0.0	0.0
804	280	-0.02	-6.31e-03	-0.03	7.01e-06	0.0	1.43e-06
804	298	-0.02	0.02	-0.03	-2.07e-05	0.0	1.05e-06
804	305	-0.04	0.02	-0.03	-2.12e-05	0.0	1.31e-06
804	307	-0.02	0.04	-0.03	-4.11e-05	0.0	0.0
804	310	-0.02	0.02	-0.03	-1.93e-05	0.0	0.0
805	44	-0.31	0.07	-0.06	-4.44e-05	0.0	6.12e-06
805	68	-0.04	0.29	-0.06	-1.93e-04	0.0	1.76e-06
805	76	-0.04	-0.02	-0.07	1.27e-05	0.0	3.20e-06
805	123	-2.09	0.78	-0.04	-5.08e-04	0.0	2.94e-05
805	137	0.30	2.46	-0.03	-1.61e-03	0.0	-6.99e-06
805	140	-0.34	-2.40	-0.04	1.58e-03	0.0	1.01e-05
805	155	-2.35	0.87	-0.04	-5.72e-04	0.0	3.30e-05
805	169	0.33	2.78	-0.03	-1.82e-03	0.0	-8.12e-06
805	172	-0.38	-2.72	-0.04	1.79e-03	0.0	1.12e-05
805	187	-2.31	0.90	-0.04	-5.91e-04	0.0	3.32e-05
805	201	0.33	2.85	-0.03	-1.87e-03	0.0	-7.96e-06
805	204	-0.38	-2.80	-0.04	1.83e-03	0.0	1.11e-05
805	219	-2.68	1.08	-0.04	-7.06e-04	0.0	3.92e-05
805	233	0.39	3.39	-0.03	-2.22e-03	0.0	-9.70e-06
805	236	-0.44	-3.33	-0.04	2.19e-03	0.0	1.28e-05
805	264	-0.21	0.05	-0.04	-3.04e-05	0.0	4.16e-06
805	276	-0.03	0.20	-0.04	-1.30e-04	0.0	1.25e-06
805	280	-0.03	-9.90e-03	-0.05	7.71e-06	0.0	2.22e-06
805	298	-0.03	0.03	-0.04	-2.02e-05	0.0	1.66e-06
805	305	-0.06	0.03	-0.04	-2.07e-05	0.0	2.04e-06
805	307	-0.02	0.06	-0.04	-4.06e-05	0.0	1.46e-06
805	310	-0.02	0.03	-0.04	-1.88e-05	0.0	1.56e-06
806	28	-0.07	0.02	-0.02	-4.42e-05	0.0	2.91e-06
806	44	-0.10	0.02	-0.02	-4.32e-05	0.0	2.94e-06
806	68	-0.02	0.10	-0.02	-1.94e-04	0.0	1.19e-06
806	123	-0.69	0.26	-0.01	-5.09e-04	0.0	5.21e-06
806	137	0.10	0.82	-9.49e-03	-1.64e-03	0.0	0.0

806	144	-0.13	-0.74	-0.01	1.47e-03	0.0	7.13e-06
806	155	-0.78	0.29	-0.01	-5.73e-04	0.0	5.75e-06
806	169	0.11	0.93	-9.14e-03	-1.85e-03	0.0	0.0
806	176	-0.15	-0.84	-0.02	1.66e-03	0.0	7.83e-06
806	187	-0.76	0.30	-0.01	-5.92e-04	0.0	6.01e-06
806	201	0.11	0.95	-9.06e-03	-1.90e-03	0.0	1.12e-06
806	208	-0.15	-0.86	-0.02	1.71e-03	0.0	7.36e-06
806	219	-0.89	0.36	-0.01	-7.07e-04	0.0	7.03e-06
806	233	0.13	1.13	-8.48e-03	-2.25e-03	0.0	1.20e-06
806	240	-0.17	-1.03	-0.02	2.04e-03	0.0	8.30e-06
806	256	-0.05	0.02	-0.01	-3.03e-05	0.0	2.00e-06
806	264	-0.07	0.01	-0.01	-2.96e-05	0.0	2.02e-06
806	276	-0.01	0.07	-0.01	-1.30e-04	0.0	0.0
806	298	-9.31e-03	0.01	-0.01	-2.03e-05	0.0	1.31e-06
806	305	-0.02	0.01	-0.01	-2.07e-05	0.0	1.36e-06
806	307	-8.96e-03	0.02	-0.01	-4.08e-05	0.0	1.13e-06
806	310	-8.76e-03	9.65e-03	-0.01	-1.90e-05	0.0	1.23e-06
807	1	0.0	0.0	0.0	-1.13e-05	0.0	0.0
807	113	0.0	0.0	0.0	-8.25e-04	0.0	3.44e-06
807	145	0.0	0.0	0.0	-9.31e-04	0.0	3.83e-06
807	177	0.0	0.0	0.0	-9.60e-04	0.0	3.80e-06
807	209	0.0	0.0	0.0	-1.15e-03	0.0	4.41e-06
807	241	0.0	0.0	0.0	-8.32e-06	0.0	0.0
807	297	0.0	0.0	0.0	-1.09e-05	0.0	0.0
807	309	0.0	0.0	0.0	-1.09e-05	0.0	0.0
808	28	-0.14	0.04	-0.04	-4.36e-05	0.0	5.40e-06
808	44	-0.21	0.04	-0.04	-4.27e-05	0.0	5.53e-06
808	68	-0.03	0.19	-0.04	-1.93e-04	0.0	2.28e-06
808	123	-1.39	0.51	-0.02	-5.05e-04	0.0	1.10e-05
808	137	0.20	1.64	-0.02	-1.62e-03	0.0	0.0
808	144	-0.27	-1.47	-0.03	1.46e-03	0.0	1.52e-05
808	155	-1.56	0.58	-0.02	-5.69e-04	0.0	1.22e-05
808	169	0.22	1.85	-0.02	-1.83e-03	0.0	0.0
808	176	-0.30	-1.67	-0.03	1.65e-03	0.0	1.67e-05
808	187	-1.53	0.59	-0.02	-5.87e-04	0.0	1.28e-05
808	201	0.22	1.90	-0.02	-1.88e-03	0.0	0.0
808	208	-0.29	-1.71	-0.03	1.70e-03	0.0	1.60e-05
808	219	-1.78	0.71	-0.02	-7.01e-04	0.0	1.50e-05
808	233	0.26	2.26	-0.02	-2.24e-03	0.0	0.0
808	240	-0.34	-2.04	-0.03	2.02e-03	0.0	1.82e-05
808	256	-0.09	0.03	-0.03	-2.99e-05	0.0	3.71e-06
808	264	-0.14	0.03	-0.03	-2.93e-05	0.0	3.80e-06
808	276	-0.02	0.13	-0.03	-1.30e-04	0.0	1.63e-06
808	298	-0.02	0.02	-0.03	-2.00e-05	0.0	2.38e-06
808	305	-0.04	0.02	-0.02	-2.04e-05	0.0	2.50e-06
808	307	-0.02	0.04	-0.02	-4.04e-05	0.0	2.06e-06
808	310	-0.02	0.02	-0.02	-1.87e-05	0.0	2.23e-06
809	28	-0.21	0.07	-0.06	-4.27e-05	0.0	7.43e-06
809	44	-0.31	0.06	-0.06	-4.20e-05	0.0	7.77e-06
809	68	-0.04	0.29	-0.05	-1.93e-04	0.0	3.23e-06
809	123	-2.09	0.76	-0.04	-4.99e-04	0.0	1.71e-05
809	137	0.30	2.45	-0.03	-1.61e-03	0.0	-2.09e-06
809	144	-0.40	-2.20	-0.04	1.44e-03	0.0	2.43e-05
809	155	-2.35	0.86	-0.04	-5.62e-04	0.0	1.90e-05
809	169	0.33	2.77	-0.03	-1.81e-03	0.0	-2.73e-06
809	176	-0.45	-2.49	-0.04	1.63e-03	0.0	2.70e-05
809	187	-2.31	0.89	-0.04	-5.80e-04	0.0	1.99e-05
809	201	0.33	2.84	-0.03	-1.86e-03	0.0	-2.21e-06
809	208	-0.44	-2.56	-0.05	1.68e-03	0.0	2.63e-05
809	219	-2.68	1.06	-0.04	-6.93e-04	0.0	2.35e-05
809	233	0.39	3.37	-0.03	-2.21e-03	0.0	-3.08e-06
809	240	-0.51	-3.05	-0.05	2.00e-03	0.0	3.02e-05
809	256	-0.14	0.05	-0.04	-2.92e-05	0.0	5.10e-06
809	264	-0.20	0.04	-0.04	-2.88e-05	0.0	5.33e-06
809	276	-0.03	0.19	-0.04	-1.29e-04	0.0	2.30e-06
809	298	-0.03	0.03	-0.04	-1.94e-05	0.0	3.16e-06
809	305	-0.06	0.03	-0.04	-1.98e-05	0.0	3.37e-06
809	307	-0.02	0.06	-0.04	-3.99e-05	0.0	2.77e-06
809	310	-0.02	0.03	-0.04	-1.81e-05	0.0	2.97e-06
810	28	-0.07	0.02	-0.02	-4.07e-05	0.0	5.42e-06
810	44	-0.10	0.02	-0.02	-3.97e-05	0.0	4.85e-06
810	68	-0.02	0.10	-0.02	-1.92e-04	0.0	2.83e-06
810	123	-0.69	0.25	-0.01	-5.01e-04	0.0	3.98e-06
810	137	0.10	0.82	-6.00e-03	-1.63e-03	0.0	1.89e-06
810	144	-0.13	-0.74	-0.02	1.47e-03	0.0	9.35e-06

810	155	-0.78	0.29	-0.01	-5.65e-04	0.0	4.15e-06
810	169	0.11	0.93	-5.30e-03	-1.84e-03	0.0	1.82e-06
810	176	-0.15	-0.84	-0.02	1.66e-03	0.0	1.01e-05
810	187	-0.76	0.29	-0.01	-5.83e-04	0.0	4.28e-06
810	201	0.11	0.95	-5.15e-03	-1.89e-03	0.0	2.23e-06
810	208	-0.15	-0.86	-0.02	1.71e-03	0.0	9.62e-06
810	219	-0.88	0.35	-0.01	-6.97e-04	0.0	4.69e-06
810	233	0.13	1.13	-3.98e-03	-2.25e-03	0.0	2.22e-06
810	240	-0.17	-1.03	-0.02	2.04e-03	0.0	1.07e-05
810	256	-0.05	0.01	-0.01	-2.79e-05	0.0	3.75e-06
810	264	-0.07	0.01	-0.01	-2.72e-05	0.0	3.36e-06
810	276	-0.01	0.06	-0.01	-1.29e-04	0.0	2.02e-06
810	298	-9.42e-03	9.34e-03	-0.01	-1.87e-05	0.0	2.89e-06
810	305	-0.02	9.49e-03	-0.01	-1.90e-05	0.0	2.78e-06
810	307	-9.09e-03	0.02	-0.01	-3.93e-05	0.0	2.52e-06
810	310	-8.86e-03	8.71e-03	-0.01	-1.74e-05	0.0	2.71e-06
811	1	0.0	0.0	0.0	-1.02e-05	0.0	0.0
811	113	0.0	0.0	0.0	-8.19e-04	0.0	3.95e-06
811	145	0.0	0.0	0.0	-9.25e-04	0.0	4.37e-06
811	177	0.0	0.0	0.0	-9.52e-04	0.0	4.31e-06
811	209	0.0	0.0	0.0	-1.14e-03	0.0	4.95e-06
811	241	0.0	0.0	0.0	-7.49e-06	0.0	0.0
811	297	0.0	0.0	0.0	-9.84e-06	0.0	0.0
811	309	0.0	0.0	0.0	-9.84e-06	0.0	0.0
812	28	-0.14	0.04	-0.04	-4.08e-05	0.0	9.83e-06
812	44	-0.21	0.04	-0.03	-3.98e-05	0.0	8.86e-06
812	68	-0.03	0.19	-0.03	-1.92e-04	0.0	5.15e-06
812	123	-1.39	0.50	-0.02	-4.96e-04	0.0	8.66e-06
812	137	0.20	1.64	-0.01	-1.62e-03	0.0	4.88e-06
812	144	-0.27	-1.47	-0.03	1.45e-03	0.0	1.67e-05
812	155	-1.56	0.57	-0.02	-5.60e-04	0.0	9.19e-06
812	169	0.22	1.85	-0.01	-1.83e-03	0.0	4.97e-06
812	176	-0.30	-1.67	-0.03	1.65e-03	0.0	1.81e-05
812	187	-1.53	0.59	-0.02	-5.77e-04	0.0	9.54e-06
812	201	0.22	1.90	-0.01	-1.87e-03	0.0	5.95e-06
812	208	-0.29	-1.71	-0.03	1.69e-03	0.0	1.69e-05
812	219	-1.78	0.70	-0.02	-6.90e-04	0.0	1.07e-05
812	233	0.26	2.26	-7.77e-03	-2.23e-03	0.0	6.37e-06
812	240	-0.34	-2.04	-0.04	2.02e-03	0.0	1.87e-05
812	256	-0.09	0.03	-0.03	-2.79e-05	0.0	6.79e-06
812	264	-0.14	0.03	-0.02	-2.73e-05	0.0	6.14e-06
812	276	-0.02	0.13	-0.02	-1.29e-04	0.0	3.67e-06
812	298	-0.02	0.02	-0.02	-1.88e-05	0.0	5.17e-06
812	305	-0.04	0.02	-0.02	-1.91e-05	0.0	5.01e-06
812	307	-0.02	0.04	-0.02	-3.93e-05	0.0	4.52e-06
812	310	-0.02	0.02	-0.02	-1.75e-05	0.0	4.85e-06
813	28	-0.21	0.06	-0.06	-4.08e-05	0.0	1.28e-05
813	44	-0.30	0.06	-0.05	-3.98e-05	0.0	1.18e-05
813	68	-0.04	0.29	-0.05	-1.92e-04	0.0	6.70e-06
813	123	-2.09	0.75	-0.04	-4.90e-04	0.0	1.49e-05
813	137	0.30	2.44	-0.02	-1.59e-03	0.0	6.73e-06
813	144	-0.40	-2.20	-0.05	1.43e-03	0.0	2.31e-05
813	155	-2.35	0.85	-0.04	-5.52e-04	0.0	1.60e-05
813	169	0.33	2.76	-0.02	-1.80e-03	0.0	6.90e-06
813	176	-0.45	-2.49	-0.05	1.62e-03	0.0	2.51e-05
813	187	-2.31	0.87	-0.04	-5.70e-04	0.0	1.68e-05
813	201	0.33	2.83	-0.02	-1.85e-03	0.0	8.17e-06
813	208	-0.44	-2.56	-0.05	1.67e-03	0.0	2.36e-05
813	219	-2.68	1.04	-0.04	-6.81e-04	0.0	1.92e-05
813	233	0.39	3.36	-0.01	-2.20e-03	0.0	8.83e-06
813	240	-0.51	-3.05	-0.06	1.99e-03	0.0	2.62e-05
813	256	-0.14	0.04	-0.04	-2.79e-05	0.0	8.83e-06
813	264	-0.20	0.04	-0.04	-2.72e-05	0.0	8.14e-06
813	276	-0.03	0.19	-0.04	-1.28e-04	0.0	4.77e-06
813	298	-0.03	0.03	-0.03	-1.87e-05	0.0	6.58e-06
813	305	-0.06	0.03	-0.03	-1.90e-05	0.0	6.44e-06
813	307	-0.03	0.06	-0.03	-3.93e-05	0.0	5.77e-06
813	310	-0.02	0.03	-0.03	-1.75e-05	0.0	6.18e-06
814	28	-0.07	0.02	-0.02	-3.44e-05	0.0	8.98e-06
814	44	-0.10	0.02	-0.02	-3.42e-05	0.0	7.51e-06
814	68	-0.02	0.09	-0.01	-1.89e-04	0.0	5.80e-06
814	123	-0.69	0.25	-0.01	-4.97e-04	0.0	1.66e-06
814	137	0.10	0.82	-6.37e-04	-1.63e-03	0.0	4.74e-06
814	144	-0.13	-0.74	-0.02	1.47e-03	0.0	1.06e-05
814	155	-0.77	0.28	-0.01	-5.61e-04	0.0	1.28e-06

814	169	0.11	0.93	6.28e-04	-1.84e-03	0.0	4.77e-06
814	176	-0.15	-0.84	-0.02	1.67e-03	0.0	1.13e-05
814	187	-0.76	0.29	-0.01	-5.78e-04	0.0	1.45e-06
814	201	0.11	0.96	9.11e-04	-1.89e-03	0.0	5.17e-06
814	208	-0.15	-0.87	-0.02	1.71e-03	0.0	1.08e-05
814	219	-0.88	0.35	-0.01	-6.91e-04	0.0	1.06e-06
814	233	0.13	1.14	3.03e-03	-2.25e-03	0.0	5.29e-06
814	240	-0.17	-1.03	-0.02	2.04e-03	0.0	1.17e-05
814	256	-0.05	0.01	-0.01	-2.35e-05	0.0	6.22e-06
814	264	-0.07	0.01	-0.01	-2.34e-05	0.0	5.24e-06
814	276	-0.01	0.06	-0.01	-1.26e-04	0.0	4.10e-06
814	298	-9.50e-03	7.22e-03	-0.01	-1.53e-05	0.0	5.15e-06
814	305	-0.02	7.48e-03	-0.01	-1.57e-05	0.0	4.82e-06
814	307	-9.20e-03	0.02	-0.01	-3.63e-05	0.0	4.59e-06
814	310	-8.93e-03	6.72e-03	-0.01	-1.42e-05	0.0	4.83e-06
815	1	0.0	0.0	0.0	-7.34e-06	0.0	0.0
815	113	0.0	0.0	0.0	-8.17e-04	0.0	4.87e-06
815	145	0.0	0.0	0.0	-9.22e-04	0.0	5.34e-06
815	177	0.0	0.0	0.0	-9.48e-04	0.0	5.28e-06
815	209	0.0	0.0	0.0	-1.13e-03	0.0	6.02e-06
815	241	0.0	0.0	0.0	-5.44e-06	0.0	0.0
815	297	0.0	0.0	0.0	-7.71e-06	0.0	0.0
815	309	0.0	0.0	0.0	-7.71e-06	0.0	0.0
816	28	-0.14	0.03	-0.03	-3.61e-05	0.0	1.65e-05
816	44	-0.20	0.03	-0.03	-3.55e-05	0.0	1.39e-05
816	68	-0.03	0.19	-0.03	-1.89e-04	0.0	1.03e-05
816	123	-1.39	0.50	-0.02	-4.91e-04	0.0	3.08e-06
816	137	0.19	1.64	-7.99e-04	-1.61e-03	0.0	9.15e-06
816	144	-0.27	-1.48	-0.04	1.45e-03	0.0	2.02e-05
816	155	-1.56	0.56	-0.03	-5.53e-04	0.0	2.39e-06
816	169	0.22	1.85	1.75e-03	-1.82e-03	0.0	9.27e-06
816	176	-0.30	-1.68	-0.04	1.64e-03	0.0	2.15e-05
816	187	-1.53	0.58	-0.03	-5.71e-04	0.0	2.75e-06
816	201	0.22	1.90	2.32e-03	-1.87e-03	0.0	1.01e-05
816	208	-0.29	-1.72	-0.04	1.69e-03	0.0	2.05e-05
816	219	-1.78	0.70	-0.03	-6.82e-04	0.0	2.09e-06
816	233	0.26	2.26	6.59e-03	-2.22e-03	0.0	1.05e-05
816	240	-0.34	-2.05	-0.05	2.01e-03	0.0	2.23e-05
816	256	-0.09	0.02	-0.02	-2.47e-05	0.0	1.14e-05
816	264	-0.14	0.02	-0.02	-2.43e-05	0.0	9.68e-06
816	276	-0.02	0.13	-0.02	-1.27e-04	0.0	7.31e-06
816	298	-0.02	0.01	-0.02	-1.63e-05	0.0	9.40e-06
816	305	-0.04	0.02	-0.02	-1.67e-05	0.0	8.81e-06
816	307	-0.02	0.04	-0.02	-3.72e-05	0.0	8.34e-06
816	310	-0.02	0.01	-0.02	-1.52e-05	0.0	8.82e-06
817	28	-0.21	0.05	-0.05	-3.83e-05	0.0	2.18e-05
817	44	-0.30	0.05	-0.05	-3.72e-05	0.0	1.85e-05
817	68	-0.04	0.28	-0.04	-1.90e-04	0.0	1.29e-05
817	123	-2.09	0.74	-0.04	-4.82e-04	0.0	5.87e-06
817	137	0.30	2.44	-1.15e-03	-1.59e-03	0.0	1.32e-05
817	144	-0.40	-2.20	-0.06	1.43e-03	0.0	2.72e-05
817	155	-2.35	0.84	-0.04	-5.43e-04	0.0	5.22e-06
817	169	0.33	2.76	2.67e-03	-1.79e-03	0.0	1.35e-05
817	176	-0.45	-2.49	-0.06	1.62e-03	0.0	2.90e-05
817	187	-2.31	0.86	-0.04	-5.61e-04	0.0	5.75e-06
817	201	0.33	2.83	3.52e-03	-1.84e-03	0.0	1.48e-05
817	208	-0.44	-2.56	-0.06	1.66e-03	0.0	2.74e-05
817	219	-2.68	1.03	-0.04	-6.70e-04	0.0	5.33e-06
817	233	0.39	3.36	9.93e-03	-2.18e-03	0.0	1.57e-05
817	240	-0.51	-3.05	-0.07	1.98e-03	0.0	2.98e-05
817	256	-0.14	0.04	-0.04	-2.62e-05	0.0	1.51e-05
817	264	-0.20	0.04	-0.03	-2.55e-05	0.0	1.29e-05
817	276	-0.03	0.19	-0.03	-1.28e-04	0.0	9.15e-06
817	298	-0.03	0.02	-0.03	-1.76e-05	0.0	1.22e-05
817	305	-0.06	0.02	-0.03	-1.79e-05	0.0	1.15e-05
817	307	-0.03	0.05	-0.03	-3.83e-05	0.0	1.08e-05
817	310	-0.03	0.02	-0.03	-1.64e-05	0.0	1.15e-05
818	28	-0.07	0.01	-0.02	-2.42e-05	0.0	1.24e-05
818	44	-0.10	0.01	-0.01	-2.57e-05	0.0	9.87e-06
818	68	-0.02	0.09	-0.01	-1.82e-04	0.0	1.05e-05
818	123	-0.69	0.25	-0.01	-4.95e-04	0.0	0.0
818	137	0.10	0.82	0.01	-1.63e-03	0.0	3.48e-05
818	144	-0.13	-0.75	-0.03	1.48e-03	0.0	-1.58e-05
818	155	-0.77	0.28	-0.01	-5.59e-04	0.0	0.0
818	169	0.11	0.93	0.01	-1.84e-03	0.0	3.83e-05

818	176	-0.15	-0.85	-0.03	1.67e-03	0.0	-1.87e-05
818	187	-0.76	0.29	-0.01	-5.76e-04	0.0	0.0
818	201	0.11	0.95	0.01	-1.89e-03	0.0	3.86e-05
818	208	-0.14	-0.87	-0.03	1.72e-03	0.0	-1.90e-05
818	219	-0.88	0.35	-0.01	-6.89e-04	0.0	0.0
818	233	0.13	1.13	0.02	-2.25e-03	0.0	4.44e-05
818	240	-0.17	-1.03	-0.04	2.05e-03	0.0	-2.37e-05
818	256	-0.05	7.08e-03	-0.01	-1.64e-05	0.0	8.61e-06
818	264	-0.07	7.82e-03	-0.01	-1.74e-05	0.0	6.92e-06
818	276	-0.01	0.06	-8.55e-03	-1.22e-04	0.0	7.31e-06
818	298	-9.54e-03	3.69e-03	-9.26e-03	-9.37e-06	0.0	7.46e-06
818	305	-0.02	4.20e-03	-9.11e-03	-1.02e-05	0.0	6.84e-06
818	307	-9.28e-03	0.01	-8.74e-03	-3.11e-05	0.0	6.92e-06
818	310	-8.96e-03	3.41e-03	-8.95e-03	-8.68e-06	0.0	7.00e-06
819	1	0.0	0.0	0.0	-2.25e-06	0.0	1.28e-06
819	113	0.0	0.0	0.0	-8.15e-04	0.0	6.59e-06
819	145	0.0	0.0	0.0	-9.21e-04	0.0	7.24e-06
819	177	0.0	0.0	0.0	-9.44e-04	0.0	7.24e-06
819	209	0.0	0.0	0.0	-1.13e-03	0.0	8.28e-06
819	241	0.0	0.0	0.0	-1.76e-06	0.0	0.0
819	297	0.0	0.0	0.0	-4.10e-06	0.0	0.0
819	309	0.0	0.0	0.0	-4.10e-06	0.0	0.0
820	28	-0.14	0.02	-0.03	-2.80e-05	0.0	2.37e-05
820	44	-0.20	0.02	-0.03	-2.87e-05	0.0	1.92e-05
820	68	-0.03	0.18	-0.02	-1.85e-04	0.0	1.80e-05
820	123	-1.38	0.50	-0.02	-4.88e-04	0.0	0.0
820	137	0.19	1.64	0.02	-1.61e-03	0.0	5.57e-05
820	144	-0.26	-1.49	-0.06	1.46e-03	0.0	-1.86e-05
820	155	-1.55	0.56	-0.03	-5.51e-04	0.0	-2.15e-06
820	169	0.22	1.85	0.03	-1.82e-03	0.0	6.10e-05
820	176	-0.30	-1.68	-0.06	1.65e-03	0.0	-2.26e-05
820	187	-1.53	0.58	-0.03	-5.68e-04	0.0	-1.16e-06
820	201	0.22	1.90	0.03	-1.87e-03	0.0	6.06e-05
820	208	-0.29	-1.73	-0.06	1.70e-03	0.0	-2.23e-05
820	219	-1.77	0.69	-0.03	-6.80e-04	0.0	-2.82e-06
820	233	0.26	2.26	0.04	-2.22e-03	0.0	6.90e-05
820	240	-0.34	-2.06	-0.07	2.02e-03	0.0	-2.86e-05
820	256	-0.09	0.02	-0.02	-1.91e-05	0.0	1.65e-05
820	264	-0.14	0.02	-0.02	-1.95e-05	0.0	1.34e-05
820	276	-0.02	0.12	-0.02	-1.24e-04	0.0	1.27e-05
820	298	-0.02	8.28e-03	-0.02	-1.18e-05	0.0	1.41e-05
820	305	-0.04	9.24e-03	-0.02	-1.24e-05	0.0	1.30e-05
820	307	-0.02	0.03	-0.02	-3.32e-05	0.0	1.28e-05
820	310	-0.02	7.67e-03	-0.02	-1.09e-05	0.0	1.32e-05
821	28	-0.21	0.04	-0.05	-3.38e-05	0.0	3.32e-05
821	44	-0.30	0.04	-0.04	-3.31e-05	0.0	2.72e-05
821	68	-0.04	0.27	-0.03	-1.89e-04	0.0	2.18e-05
821	123	-2.09	0.74	-0.04	-4.78e-04	0.0	-1.60e-06
821	137	0.29	2.44	0.03	-1.59e-03	0.0	6.80e-05
821	144	-0.40	-2.21	-0.08	1.43e-03	0.0	-1.48e-05
821	155	-2.35	0.84	-0.04	-5.39e-04	0.0	-4.01e-06
821	169	0.33	2.76	0.04	-1.79e-03	0.0	7.40e-05
821	176	-0.45	-2.50	-0.09	1.62e-03	0.0	-1.87e-05
821	187	-2.31	0.86	-0.04	-5.56e-04	0.0	-3.25e-06
821	201	0.33	2.83	0.04	-1.84e-03	0.0	7.18e-05
821	208	-0.44	-2.57	-0.09	1.66e-03	0.0	-1.68e-05
821	219	-2.68	1.03	-0.04	-6.65e-04	0.0	-6.21e-06
821	233	0.39	3.37	0.05	-2.19e-03	0.0	8.04e-05
821	240	-0.51	-3.06	-0.10	1.98e-03	0.0	-2.23e-05
821	256	-0.14	0.03	-0.03	-2.31e-05	0.0	2.30e-05
821	264	-0.20	0.03	-0.03	-2.27e-05	0.0	1.90e-05
821	276	-0.03	0.18	-0.03	-1.26e-04	0.0	1.54e-05
821	298	-0.03	0.01	-0.03	-1.54e-05	0.0	1.94e-05
821	305	-0.06	0.02	-0.03	-1.57e-05	0.0	1.80e-05
821	307	-0.03	0.05	-0.03	-3.64e-05	0.0	1.73e-05
821	310	-0.03	0.01	-0.03	-1.43e-05	0.0	1.82e-05
822	44	-0.10	5.67e-03	-0.01	-1.45e-05	0.0	1.03e-05
822	69	-7.74e-03	0.08	-2.46e-03	-1.70e-04	0.0	8.17e-06
822	123	-0.68	0.25	-0.01	-4.94e-04	0.0	0.0
822	140	-0.11	-0.80	-0.04	1.61e-03	0.0	-7.05e-05
822	144	-0.13	-0.73	-0.04	1.47e-03	0.0	-6.64e-05
822	155	-0.77	0.28	-0.01	-5.59e-04	0.0	0.0
822	172	-0.12	-0.91	-0.04	1.82e-03	0.0	-8.09e-05
822	176	-0.14	-0.82	-0.04	1.66e-03	0.0	-7.62e-05
822	187	-0.75	0.29	-0.01	-5.75e-04	0.0	0.0

822	204	-0.12	-0.93	-0.04	1.87e-03	0.0	-8.30e-05
822	208	-0.14	-0.85	-0.04	1.71e-03	0.0	-7.81e-05
822	219	-0.87	0.35	-0.01	-6.88e-04	0.0	0.0
822	236	-0.14	-1.11	-0.05	2.22e-03	0.0	-1.00e-04
822	240	-0.16	-1.01	-0.05	2.03e-03	0.0	-9.43e-05
822	264	-0.07	3.67e-03	-9.74e-03	-9.56e-06	0.0	7.24e-06
822	273	-7.30e-03	0.06	-3.84e-03	-1.13e-04	0.0	7.40e-06
822	305	-0.02	-5.79e-05	-7.67e-03	-2.55e-06	0.0	7.94e-06
822	306	-5.79e-03	0.01	-5.77e-03	-2.25e-05	0.0	5.50e-06
822	310	-8.91e-03	-9.91e-04	-7.26e-03	0.0	0.0	8.33e-06
823	1	0.0	0.0	0.0	5.02e-06	0.0	1.60e-06
823	113	0.0	0.0	0.0	-8.03e-04	0.0	9.15e-06
823	145	0.0	0.0	0.0	-9.08e-04	0.0	1.01e-05
823	177	0.0	0.0	0.0	-9.29e-04	0.0	1.02e-05
823	209	0.0	0.0	0.0	-1.11e-03	0.0	1.18e-05
823	241	0.0	0.0	0.0	3.48e-06	0.0	1.15e-06
823	297	0.0	0.0	0.0	0.0	0.0	1.05e-06
823	309	0.0	0.0	0.0	0.0	0.0	1.05e-06
824	44	-0.20	0.01	-0.03	-1.84e-05	0.0	2.22e-05
824	72	-0.03	0.17	-9.13e-03	-1.77e-04	0.0	2.23e-05
824	123	-1.38	0.50	-0.03	-4.90e-04	0.0	1.38e-06
824	140	-0.23	-1.61	-0.08	1.62e-03	0.0	-8.20e-05
824	144	-0.26	-1.47	-0.08	1.48e-03	0.0	-7.26e-05
824	155	-1.55	0.56	-0.03	-5.54e-04	0.0	0.0
824	172	-0.25	-1.82	-0.09	1.83e-03	0.0	-9.47e-05
824	176	-0.29	-1.66	-0.09	1.67e-03	0.0	-8.42e-05
824	187	-1.53	0.58	-0.03	-5.71e-04	0.0	1.79e-06
824	204	-0.25	-1.87	-0.09	1.88e-03	0.0	-9.69e-05
824	208	-0.29	-1.71	-0.09	1.72e-03	0.0	-8.62e-05
824	219	-1.77	0.69	-0.03	-6.84e-04	0.0	0.0
824	236	-0.29	-2.22	-0.11	2.24e-03	0.0	-1.18e-04
824	240	-0.34	-2.03	-0.11	2.05e-03	0.0	-1.05e-04
824	264	-0.14	8.00e-03	-0.02	-1.23e-05	0.0	1.56e-05
824	276	-0.02	0.11	-0.01	-1.19e-04	0.0	1.87e-05
824	305	-0.04	8.33e-04	-0.01	-5.70e-06	0.0	1.59e-05
824	307	-0.02	0.02	-0.01	-2.70e-05	0.0	1.65e-05
824	309	-0.01	-1.28e-03	-0.01	-1.87e-06	0.0	9.96e-06
824	310	-0.02	-9.35e-04	-0.01	-4.20e-06	0.0	1.63e-05
825	44	-0.30	0.02	-0.04	-2.57e-05	0.0	3.48e-05
825	68	-0.04	0.26	-0.02	-1.87e-04	0.0	3.13e-05
825	123	-2.09	0.74	-0.04	-4.83e-04	0.0	-1.10e-06
825	137	0.29	2.44	0.08	-1.63e-03	0.0	8.69e-05
825	144	-0.40	-2.22	-0.13	1.47e-03	0.0	-2.33e-05
825	155	-2.35	0.84	-0.04	-5.45e-04	0.0	-4.06e-06
825	169	0.33	2.76	0.10	-1.84e-03	0.0	9.47e-05
825	176	-0.45	-2.51	-0.14	1.67e-03	0.0	-2.92e-05
825	187	-2.31	0.86	-0.04	-5.62e-04	0.0	-2.54e-06
825	201	0.33	2.82	0.10	-1.89e-03	0.0	9.40e-05
825	208	-0.44	-2.58	-0.14	1.71e-03	0.0	-2.87e-05
825	219	-2.68	1.03	-0.04	-6.73e-04	0.0	-5.86e-06
825	233	0.39	3.36	0.12	-2.24e-03	0.0	1.06e-04
825	240	-0.51	-3.07	-0.16	2.04e-03	0.0	-3.80e-05
825	264	-0.20	0.01	-0.03	-1.75e-05	0.0	2.44e-05
825	276	-0.03	0.17	-0.02	-1.25e-04	0.0	2.21e-05
825	305	-0.06	3.83e-03	-0.02	-1.12e-05	0.0	2.35e-05
825	307	-0.03	0.04	-0.02	-3.27e-05	0.0	2.31e-05
825	310	-0.03	1.35e-03	-0.02	-9.88e-06	0.0	2.39e-05
826	4	0.05	0.10	-0.12	-3.83e-05	0.0	2.25e-05
826	44	-0.42	0.14	-0.09	-6.05e-05	0.0	2.42e-05
826	68	-0.05	0.40	-0.10	-1.99e-04	0.0	1.06e-05
826	121	2.49	0.83	-0.14	-4.16e-04	0.0	-9.61e-06
826	123	-2.79	1.12	-0.01	-5.60e-04	0.0	7.85e-06
826	129	0.29	3.35	-0.12	-1.69e-03	0.0	-1.24e-05
826	153	2.80	0.93	-0.15	-4.68e-04	0.0	-1.22e-05
826	155	-3.13	1.26	-5.37e-03	-6.31e-04	0.0	7.36e-06
826	161	0.32	3.79	-0.13	-1.91e-03	0.0	-1.52e-05
826	185	2.75	0.98	-0.15	-4.90e-04	0.0	-1.10e-05
826	187	-3.08	1.30	-7.00e-03	-6.50e-04	0.0	7.96e-06
826	193	0.32	3.93	-0.13	-1.98e-03	0.0	-1.27e-05
826	217	3.20	1.17	-0.16	-5.88e-04	0.0	-1.50e-05
826	219	-3.57	1.55	1.80e-03	-7.76e-04	0.0	7.14e-06
826	225	0.38	4.73	-0.14	-2.38e-03	0.0	-1.73e-05
826	244	0.03	0.07	-0.08	-2.66e-05	0.0	1.55e-05
826	264	-0.28	0.09	-0.06	-4.13e-05	0.0	1.67e-05
826	276	-0.03	0.27	-0.07	-1.33e-04	0.0	7.58e-06

826	298	-0.03	0.06	-0.07	-2.51e-05	0.0	1.34e-05
826	305	-0.08	0.06	-0.06	-2.65e-05	0.0	1.31e-05
826	307	-0.03	0.10	-0.07	-4.50e-05	0.0	1.13e-05
826	310	-0.03	0.06	-0.06	-2.35e-05	0.0	1.25e-05
827	4	0.07	0.11	-0.15	-3.38e-05	0.0	2.14e-05
827	44	-0.50	0.16	-0.11	-5.69e-05	0.0	2.51e-05
827	68	-0.06	0.50	-0.13	-1.97e-04	0.0	1.04e-05
827	121	3.11	1.04	-0.18	-4.14e-04	0.0	-1.33e-05
827	123	-3.49	1.40	-0.02	-5.57e-04	0.0	8.27e-06
827	129	0.36	4.20	-0.15	-1.69e-03	0.0	-1.16e-05
827	153	3.50	1.17	-0.19	-4.67e-04	0.0	-1.64e-05
827	155	-3.91	1.58	-8.14e-03	-6.28e-04	0.0	7.88e-06
827	161	0.41	4.75	-0.16	-1.91e-03	0.0	-1.43e-05
827	185	3.44	1.22	-0.19	-4.88e-04	0.0	-1.51e-05
827	187	-3.85	1.62	-0.01	-6.47e-04	0.0	8.42e-06
827	193	0.40	4.93	-0.16	-1.98e-03	0.0	-1.19e-05
827	217	4.01	1.47	-0.20	-5.87e-04	0.0	-1.96e-05
827	219	-4.47	1.93	8.56e-04	-7.73e-04	0.0	7.65e-06
827	225	0.47	5.92	-0.18	-2.38e-03	0.0	-1.62e-05
827	244	0.04	0.08	-0.11	-2.34e-05	0.0	1.48e-05
827	264	-0.34	0.11	-0.08	-3.89e-05	0.0	1.72e-05
827	276	-0.04	0.34	-0.09	-1.32e-04	0.0	7.46e-06
827	298	-0.04	0.07	-0.09	-2.26e-05	0.0	1.30e-05
827	305	-0.10	0.08	-0.08	-2.42e-05	0.0	1.29e-05
827	307	-0.04	0.12	-0.08	-4.28e-05	0.0	1.10e-05
827	310	-0.04	0.07	-0.08	-2.11e-05	0.0	1.22e-05
828	4	0.05	0.08	-0.10	-3.77e-05	0.0	1.67e-05
828	44	-0.41	0.12	-0.08	-5.82e-05	0.0	1.96e-05
828	68	-0.05	0.40	-0.09	-1.98e-04	0.0	7.74e-06
828	121	2.49	0.83	-0.09	-4.08e-04	0.0	-1.11e-05
828	123	-2.79	1.11	-0.03	-5.47e-04	0.0	7.08e-06
828	129	0.29	3.35	-0.08	-1.66e-03	0.0	-8.80e-06
828	153	2.80	0.93	-0.10	-4.60e-04	0.0	-1.35e-05
828	155	-3.13	1.25	-0.02	-6.17e-04	0.0	6.89e-06
828	161	0.32	3.79	-0.09	-1.87e-03	0.0	-1.07e-05
828	185	2.75	0.98	-0.10	-4.81e-04	0.0	-1.23e-05
828	187	-3.08	1.29	-0.02	-6.36e-04	0.0	7.53e-06
828	193	0.32	3.93	-0.09	-1.94e-03	0.0	-8.04e-06
828	217	3.20	1.17	-0.11	-5.78e-04	0.0	-1.58e-05
828	219	-3.58	1.54	-0.02	-7.59e-04	0.0	7.20e-06
828	225	0.38	4.73	-0.10	-2.34e-03	0.0	-1.09e-05
828	244	0.03	0.06	-0.07	-2.62e-05	0.0	1.15e-05
828	264	-0.28	0.08	-0.06	-3.98e-05	0.0	1.35e-05
828	276	-0.03	0.27	-0.06	-1.33e-04	0.0	5.57e-06
828	298	-0.03	0.05	-0.06	-2.46e-05	0.0	1.01e-05
828	305	-0.08	0.06	-0.05	-2.58e-05	0.0	1.01e-05
828	307	-0.03	0.09	-0.05	-4.45e-05	0.0	8.50e-06
828	310	-0.03	0.05	-0.05	-2.30e-05	0.0	9.48e-06
829	4	0.07	0.10	-0.13	-3.57e-05	0.0	1.61e-05
829	44	-0.50	0.15	-0.11	-5.66e-05	0.0	2.09e-05
829	68	-0.06	0.50	-0.12	-1.97e-04	0.0	7.86e-06
829	121	3.11	1.03	-0.12	-4.05e-04	0.0	-1.91e-05
829	123	-3.49	1.38	-0.04	-5.43e-04	0.0	3.34e-06
829	129	0.36	4.17	-0.11	-1.64e-03	0.0	-2.26e-05
829	153	3.50	1.16	-0.13	-4.57e-04	0.0	-2.25e-05
829	155	-3.92	1.56	-0.03	-6.12e-04	0.0	2.59e-06
829	161	0.41	4.72	-0.11	-1.86e-03	0.0	-2.65e-05
829	185	3.45	1.21	-0.13	-4.77e-04	0.0	-2.17e-05
829	187	-3.85	1.61	-0.04	-6.31e-04	0.0	2.64e-06
829	193	0.40	4.90	-0.12	-1.93e-03	0.0	-2.57e-05
829	217	4.01	1.46	-0.14	-5.74e-04	0.0	-2.71e-05
829	219	-4.47	1.92	-0.03	-7.53e-04	0.0	1.08e-06
829	225	0.47	5.89	-0.12	-2.32e-03	0.0	-3.27e-05
829	244	0.04	0.07	-0.09	-2.48e-05	0.0	1.12e-05
829	264	-0.33	0.10	-0.08	-3.87e-05	0.0	1.44e-05
829	276	-0.04	0.33	-0.08	-1.33e-04	0.0	5.66e-06
829	298	-0.04	0.07	-0.08	-2.35e-05	0.0	1.01e-05
829	305	-0.09	0.07	-0.07	-2.48e-05	0.0	1.02e-05
829	307	-0.04	0.11	-0.07	-4.35e-05	0.0	8.47e-06
829	310	-0.04	0.06	-0.07	-2.19e-05	0.0	9.42e-06
830	4	0.05	0.08	-0.09	-3.69e-05	0.0	1.12e-05
830	44	-0.41	0.11	-0.08	-5.57e-05	0.0	1.55e-05
830	68	-0.05	0.40	-0.08	-1.97e-04	0.0	5.58e-06
830	121	2.49	0.82	-0.07	-4.03e-04	0.0	-1.84e-05
830	123	-2.79	1.10	-0.04	-5.37e-04	0.0	1.45e-06

830	129	0.29	3.33	-0.07	-1.63e-03	0.0	-2.32e-05
830	153	2.80	0.93	-0.08	-4.54e-04	0.0	-2.15e-05
830	155	-3.13	1.24	-0.04	-6.05e-04	0.0	0.0
830	161	0.32	3.77	-0.07	-1.84e-03	0.0	-2.70e-05
830	185	2.76	0.97	-0.08	-4.74e-04	0.0	-2.09e-05
830	187	-3.08	1.28	-0.04	-6.24e-04	0.0	0.0
830	193	0.32	3.91	-0.07	-1.91e-03	0.0	-2.66e-05
830	217	3.21	1.17	-0.08	-5.70e-04	0.0	-2.58e-05
830	219	-3.58	1.52	-0.03	-7.45e-04	0.0	0.0
830	225	0.38	4.70	-0.08	-2.30e-03	0.0	-3.33e-05
830	244	0.03	0.05	-0.07	-2.56e-05	0.0	7.80e-06
830	264	-0.27	0.08	-0.06	-3.81e-05	0.0	1.06e-05
830	276	-0.03	0.27	-0.06	-1.32e-04	0.0	4.02e-06
830	298	-0.03	0.05	-0.06	-2.39e-05	0.0	7.14e-06
830	305	-0.08	0.05	-0.05	-2.50e-05	0.0	7.33e-06
830	307	-0.03	0.09	-0.05	-4.38e-05	0.0	6.01e-06
830	310	-0.03	0.05	-0.05	-2.23e-05	0.0	6.68e-06
831	4	0.07	0.09	-0.13	-3.63e-05	0.0	1.16e-05
831	44	-0.49	0.14	-0.11	-5.52e-05	0.0	1.74e-05
831	68	-0.06	0.49	-0.11	-1.97e-04	0.0	6.09e-06
831	121	3.12	1.02	-0.10	-3.98e-04	0.0	-2.68e-05
831	123	-3.49	1.37	-0.05	-5.31e-04	0.0	-2.92e-06
831	129	0.36	4.14	-0.09	-1.61e-03	0.0	-4.00e-05
831	153	3.51	1.15	-0.10	-4.49e-04	0.0	-3.11e-05
831	155	-3.92	1.54	-0.05	-5.98e-04	0.0	-4.24e-06
831	161	0.41	4.68	-0.09	-1.82e-03	0.0	-4.60e-05
831	185	3.45	1.21	-0.10	-4.69e-04	0.0	-3.07e-05
831	187	-3.85	1.59	-0.05	-6.17e-04	0.0	-4.76e-06
831	193	0.40	4.86	-0.09	-1.89e-03	0.0	-4.69e-05
831	217	4.01	1.45	-0.11	-5.63e-04	0.0	-3.76e-05
831	219	-4.47	1.89	-0.05	-7.36e-04	0.0	-7.50e-06
831	225	0.47	5.84	-0.10	-2.27e-03	0.0	-5.81e-05
831	244	0.04	0.07	-0.09	-2.52e-05	0.0	8.04e-06
831	264	-0.33	0.10	-0.07	-3.78e-05	0.0	1.19e-05
831	276	-0.04	0.33	-0.08	-1.32e-04	0.0	4.39e-06
831	298	-0.04	0.06	-0.07	-2.35e-05	0.0	7.53e-06
831	305	-0.09	0.06	-0.07	-2.47e-05	0.0	7.88e-06
831	307	-0.04	0.11	-0.07	-4.36e-05	0.0	6.37e-06
831	310	-0.04	0.06	-0.07	-2.20e-05	0.0	7.06e-06
832	4	0.05	0.07	-0.09	-3.57e-05	0.0	7.12e-06
832	44	-0.41	0.11	-0.08	-5.28e-05	0.0	1.23e-05
832	68	-0.05	0.39	-0.08	-1.96e-04	0.0	4.11e-06
832	121	2.49	0.82	-0.06	-3.98e-04	0.0	1.42e-05
832	123	-2.79	1.08	-0.04	-5.28e-04	0.0	3.57e-05
832	137	0.40	3.31	-0.06	-1.61e-03	0.0	2.08e-06
832	153	2.80	0.92	-0.07	-4.48e-04	0.0	1.55e-05
832	155	-3.14	1.22	-0.04	-5.95e-04	0.0	3.96e-05
832	169	0.45	3.74	-0.06	-1.82e-03	0.0	1.94e-06
832	185	2.76	0.96	-0.07	-4.68e-04	0.0	1.61e-05
832	187	-3.09	1.26	-0.04	-6.13e-04	0.0	3.95e-05
832	193	0.32	3.87	-0.06	-1.88e-03	0.0	1.05e-04
832	217	3.21	1.16	-0.07	-5.63e-04	0.0	1.88e-05
832	219	-3.58	1.50	-0.04	-7.32e-04	0.0	4.60e-05
832	225	0.38	4.65	-0.06	-2.26e-03	0.0	1.25e-04
832	244	0.03	0.05	-0.06	-2.47e-05	0.0	4.96e-06
832	264	-0.27	0.07	-0.06	-3.62e-05	0.0	8.42e-06
832	276	-0.03	0.26	-0.06	-1.32e-04	0.0	2.96e-06
832	298	-0.03	0.05	-0.05	-2.30e-05	0.0	4.84e-06
832	305	-0.08	0.05	-0.05	-2.39e-05	0.0	5.22e-06
832	307	-0.03	0.09	-0.05	-4.30e-05	0.0	4.12e-06
832	310	-0.03	0.04	-0.05	-2.14e-05	0.0	4.54e-06
833	4	0.06	0.09	-0.12	-3.56e-05	0.0	8.18e-06
833	44	-0.49	0.13	-0.11	-5.28e-05	0.0	1.48e-05
833	68	-0.06	0.49	-0.11	-1.96e-04	0.0	5.00e-06
833	121	3.12	1.01	-0.08	-3.92e-04	0.0	1.92e-05
833	123	-3.49	1.35	-0.06	-5.21e-04	0.0	4.47e-05
833	137	0.50	4.11	-0.08	-1.60e-03	0.0	2.65e-06
833	153	3.51	1.14	-0.09	-4.42e-04	0.0	2.11e-05
833	155	-3.92	1.52	-0.06	-5.87e-04	0.0	4.97e-05
833	169	0.56	4.64	-0.08	-1.80e-03	0.0	2.47e-06
833	185	3.45	1.19	-0.09	-4.61e-04	0.0	2.20e-05
833	187	-3.86	1.56	-0.06	-6.05e-04	0.0	4.97e-05
833	193	0.40	4.80	-0.08	-1.86e-03	0.0	1.36e-04
833	217	4.02	1.44	-0.09	-5.54e-04	0.0	2.59e-05
833	219	-4.48	1.87	-0.06	-7.22e-04	0.0	5.79e-05

833	225	0.47	5.78	-0.08	-2.23e-03	0.0	1.61e-04
833	244	0.04	0.06	-0.09	-2.47e-05	0.0	5.71e-06
833	264	-0.33	0.09	-0.07	-3.61e-05	0.0	1.01e-05
833	276	-0.04	0.33	-0.08	-1.32e-04	0.0	3.60e-06
833	298	-0.04	0.06	-0.07	-2.29e-05	0.0	5.66e-06
833	305	-0.09	0.06	-0.07	-2.39e-05	0.0	6.15e-06
833	307	-0.04	0.11	-0.07	-4.30e-05	0.0	4.84e-06
833	310	-0.04	0.05	-0.07	-2.14e-05	0.0	5.31e-06
834	4	0.05	0.07	-0.09	-3.42e-05	0.0	4.33e-06
834	44	-0.40	0.10	-0.08	-4.98e-05	0.0	1.01e-05
834	68	-0.05	0.39	-0.08	-1.95e-04	0.0	3.13e-06
834	121	2.49	0.81	-0.06	-3.93e-04	0.0	1.61e-05
834	123	-2.80	1.07	-0.05	-5.19e-04	0.0	3.84e-05
834	137	0.40	3.30	-0.06	-1.61e-03	0.0	-3.22e-06
834	153	2.81	0.91	-0.06	-4.43e-04	0.0	1.79e-05
834	155	-3.14	1.20	-0.05	-5.84e-04	0.0	4.28e-05
834	169	0.45	3.72	-0.06	-1.82e-03	0.0	-3.97e-06
834	185	2.76	0.95	-0.06	-4.62e-04	0.0	1.88e-05
834	187	-3.09	1.24	-0.05	-6.03e-04	0.0	4.30e-05
834	201	0.44	3.82	-0.06	-1.86e-03	0.0	-2.97e-06
834	217	3.21	1.14	-0.06	-5.56e-04	0.0	2.25e-05
834	219	-3.58	1.48	-0.05	-7.20e-04	0.0	5.05e-05
834	225	0.38	4.60	-0.06	-2.23e-03	0.0	1.42e-04
834	244	0.03	0.05	-0.07	-2.36e-05	0.0	3.04e-06
834	264	-0.27	0.07	-0.06	-3.41e-05	0.0	6.90e-06
834	276	-0.03	0.26	-0.06	-1.31e-04	0.0	2.24e-06
834	298	-0.03	0.04	-0.06	-2.19e-05	0.0	3.29e-06
834	305	-0.08	0.05	-0.05	-2.27e-05	0.0	3.77e-06
834	307	-0.03	0.08	-0.05	-4.21e-05	0.0	2.84e-06
834	310	-0.03	0.04	-0.05	-2.04e-05	0.0	3.09e-06
835	4	0.06	0.09	-0.13	-3.41e-05	0.0	5.92e-06
835	44	-0.49	0.12	-0.11	-4.98e-05	0.0	1.30e-05
835	68	-0.06	0.49	-0.11	-1.95e-04	0.0	4.35e-06
835	121	3.12	1.00	-0.08	-3.86e-04	0.0	2.10e-05
835	123	-3.50	1.32	-0.06	-5.12e-04	0.0	4.71e-05
835	137	0.50	4.09	-0.08	-1.59e-03	0.0	-3.38e-06
835	153	3.51	1.13	-0.08	-4.36e-04	0.0	2.33e-05
835	155	-3.93	1.49	-0.06	-5.76e-04	0.0	5.26e-05
835	169	0.56	4.62	-0.08	-1.79e-03	0.0	-4.30e-06
835	185	3.46	1.18	-0.08	-4.55e-04	0.0	2.45e-05
835	187	-3.86	1.54	-0.06	-5.95e-04	0.0	5.29e-05
835	201	0.55	4.75	-0.08	-1.84e-03	0.0	-3.18e-06
835	217	4.02	1.42	-0.08	-5.47e-04	0.0	2.91e-05
835	219	-4.48	1.84	-0.06	-7.10e-04	0.0	6.20e-05
835	225	0.47	5.70	-0.08	-2.20e-03	0.0	1.77e-04
835	244	0.04	0.06	-0.09	-2.36e-05	0.0	4.15e-06
835	264	-0.33	0.09	-0.08	-3.41e-05	0.0	8.88e-06
835	276	-0.04	0.33	-0.08	-1.31e-04	0.0	3.11e-06
835	298	-0.04	0.05	-0.07	-2.18e-05	0.0	4.39e-06
835	305	-0.09	0.06	-0.07	-2.26e-05	0.0	4.97e-06
835	307	-0.04	0.11	-0.07	-4.20e-05	0.0	3.82e-06
835	310	-0.04	0.05	-0.07	-2.04e-05	0.0	4.13e-06
836	4	0.05	0.07	-0.09	-3.24e-05	0.0	2.82e-06
836	44	-0.40	0.09	-0.08	-4.66e-05	0.0	8.77e-06
836	68	-0.05	0.39	-0.08	-1.94e-04	0.0	2.57e-06
836	118	2.46	-0.12	-0.06	5.74e-05	0.0	8.48e-05
836	123	-2.80	1.05	-0.05	-5.10e-04	0.0	3.91e-05
836	137	0.40	3.28	-0.05	-1.60e-03	0.0	-7.61e-06
836	150	2.77	-0.14	-0.06	6.77e-05	0.0	9.50e-05
836	155	-3.14	1.18	-0.05	-5.74e-04	0.0	4.38e-05
836	169	0.45	3.71	-0.05	-1.81e-03	0.0	-8.89e-06
836	182	2.72	-0.14	-0.06	6.99e-05	0.0	9.33e-05
836	187	-3.09	1.22	-0.05	-5.93e-04	0.0	4.41e-05
836	201	0.44	3.81	-0.05	-1.86e-03	0.0	-8.48e-06
836	214	3.17	-0.17	-0.06	8.46e-05	0.0	1.09e-04
836	219	-3.59	1.45	-0.05	-7.08e-04	0.0	5.20e-05
836	225	0.38	4.53	-0.05	-2.20e-03	0.0	1.51e-04
836	244	0.03	0.05	-0.07	-2.24e-05	0.0	2.00e-06
836	264	-0.27	0.06	-0.06	-3.19e-05	0.0	5.96e-06
836	276	-0.03	0.26	-0.06	-1.30e-04	0.0	1.83e-06
836	298	-0.03	0.04	-0.06	-2.07e-05	0.0	2.42e-06
836	305	-0.08	0.04	-0.05	-2.14e-05	0.0	2.96e-06
836	307	-0.03	0.08	-0.05	-4.10e-05	0.0	2.13e-06
836	310	-0.03	0.04	-0.05	-1.93e-05	0.0	2.28e-06
837	4	0.06	0.08	-0.13	-3.20e-05	0.0	4.56e-06

837	44	-0.49	0.12	-0.11	-4.63e-05	0.0	1.18e-05
837	68	-0.06	0.49	-0.11	-1.94e-04	0.0	3.92e-06
837	118	3.08	-0.14	-0.08	5.71e-05	0.0	1.06e-04
837	123	-3.50	1.30	-0.07	-5.03e-04	0.0	4.77e-05
837	137	0.50	4.07	-0.07	-1.58e-03	0.0	-7.59e-06
837	150	3.47	-0.17	-0.08	6.72e-05	0.0	1.18e-04
837	155	-3.93	1.46	-0.07	-5.67e-04	0.0	5.34e-05
837	169	0.56	4.60	-0.07	-1.78e-03	0.0	-9.01e-06
837	182	3.41	-0.18	-0.08	6.95e-05	0.0	1.16e-04
837	187	-3.87	1.51	-0.07	-5.84e-04	0.0	5.37e-05
837	201	0.55	4.73	-0.07	-1.83e-03	0.0	-8.41e-06
837	214	3.98	-0.21	-0.08	8.41e-05	0.0	1.35e-04
837	219	-4.49	1.80	-0.07	-6.98e-04	0.0	6.32e-05
837	225	0.47	5.62	-0.07	-2.17e-03	0.0	1.85e-04
837	244	0.04	0.06	-0.09	-2.21e-05	0.0	3.22e-06
837	264	-0.33	0.08	-0.08	-3.17e-05	0.0	8.02e-06
837	276	-0.04	0.33	-0.08	-1.30e-04	0.0	2.79e-06
837	298	-0.04	0.05	-0.08	-2.04e-05	0.0	3.61e-06
837	305	-0.09	0.05	-0.07	-2.11e-05	0.0	4.23e-06
837	307	-0.04	0.10	-0.07	-4.08e-05	0.0	3.19e-06
837	310	-0.04	0.05	-0.07	-1.90e-05	0.0	3.40e-06
838	44	-0.40	0.09	-0.08	-4.36e-05	0.0	8.43e-06
838	68	-0.05	0.39	-0.08	-1.93e-04	0.0	2.66e-06
838	76	-0.06	-0.02	-0.09	1.39e-05	0.0	4.59e-06
838	123	-2.80	1.03	-0.05	-5.01e-04	0.0	3.83e-05
838	137	0.40	3.26	-0.05	-1.59e-03	0.0	-8.74e-06
838	140	-0.46	-3.19	-0.06	1.56e-03	0.0	1.33e-05
838	155	-3.15	1.16	-0.05	-5.65e-04	0.0	4.30e-05
838	169	0.45	3.69	-0.05	-1.80e-03	0.0	-1.02e-05
838	172	-0.51	-3.61	-0.06	1.76e-03	0.0	1.47e-05
838	187	-3.09	1.20	-0.05	-5.82e-04	0.0	4.32e-05
838	201	0.44	3.79	-0.05	-1.85e-03	0.0	-9.98e-06
838	204	-0.50	-3.71	-0.06	1.81e-03	0.0	1.45e-05
838	219	-3.59	1.43	-0.05	-6.96e-04	0.0	5.10e-05
838	233	0.52	4.50	-0.05	-2.20e-03	0.0	-1.22e-05
838	236	-0.58	-4.42	-0.06	2.16e-03	0.0	1.67e-05
838	264	-0.27	0.06	-0.06	-2.98e-05	0.0	5.73e-06
838	276	-0.04	0.26	-0.06	-1.29e-04	0.0	1.89e-06
838	280	-0.04	-0.01	-0.06	8.51e-06	0.0	3.17e-06
838	298	-0.03	0.04	-0.05	-1.95e-05	0.0	2.40e-06
838	305	-0.08	0.04	-0.05	-2.01e-05	0.0	2.89e-06
838	307	-0.03	0.08	-0.05	-4.00e-05	0.0	2.12e-06
838	310	-0.03	0.04	-0.05	-1.82e-05	0.0	2.25e-06
839	44	-0.49	0.11	-0.11	-4.28e-05	0.0	1.10e-05
839	68	-0.06	0.48	-0.11	-1.92e-04	0.0	3.77e-06
839	76	-0.07	-0.03	-0.12	1.50e-05	0.0	6.38e-06
839	123	-3.51	1.28	-0.07	-4.94e-04	0.0	4.65e-05
839	137	0.50	4.05	-0.06	-1.57e-03	0.0	-9.26e-06
839	140	-0.57	-3.96	-0.07	1.54e-03	0.0	1.56e-05
839	155	-3.94	1.44	-0.07	-5.57e-04	0.0	5.21e-05
839	169	0.56	4.58	-0.06	-1.78e-03	0.0	-1.09e-05
839	172	-0.64	-4.49	-0.08	1.74e-03	0.0	1.72e-05
839	187	-3.88	1.48	-0.07	-5.75e-04	0.0	5.24e-05
839	201	0.55	4.70	-0.06	-1.82e-03	0.0	-1.06e-05
839	204	-0.62	-4.61	-0.08	1.79e-03	0.0	1.68e-05
839	219	-4.50	1.77	-0.07	-6.87e-04	0.0	6.18e-05
839	233	0.65	5.59	-0.06	-2.17e-03	0.0	-1.30e-05
839	236	-0.72	-5.49	-0.08	2.13e-03	0.0	1.93e-05
839	264	-0.33	0.08	-0.08	-2.92e-05	0.0	7.52e-06
839	276	-0.04	0.32	-0.08	-1.29e-04	0.0	2.68e-06
839	280	-0.05	-0.02	-0.09	9.27e-06	0.0	4.41e-06
839	298	-0.04	0.05	-0.07	-1.89e-05	0.0	3.35e-06
839	305	-0.09	0.05	-0.07	-1.96e-05	0.0	3.94e-06
839	307	-0.04	0.10	-0.07	-3.94e-05	0.0	2.97e-06
839	310	-0.04	0.05	-0.07	-1.76e-05	0.0	3.15e-06
840	28	-0.27	0.09	-0.09	-4.15e-05	0.0	8.99e-06
840	44	-0.40	0.09	-0.08	-4.11e-05	0.0	9.65e-06
840	68	-0.05	0.39	-0.07	-1.92e-04	0.0	3.95e-06
840	123	-2.80	1.01	-0.05	-4.92e-04	0.0	2.30e-05
840	137	0.40	3.25	-0.04	-1.59e-03	0.0	-5.94e-06
840	144	-0.53	-2.92	-0.06	1.42e-03	0.0	3.41e-05
840	155	-3.15	1.14	-0.05	-5.55e-04	0.0	2.56e-05
840	169	0.45	3.67	-0.04	-1.79e-03	0.0	-7.17e-06
840	176	-0.59	-3.30	-0.06	1.61e-03	0.0	3.80e-05
840	187	-3.10	1.17	-0.05	-5.73e-04	0.0	2.69e-05

840	201	0.44	3.77	-0.04	-1.84e-03	0.0	-6.86e-06
840	208	-0.59	-3.39	-0.06	1.66e-03	0.0	3.74e-05
840	219	-3.59	1.40	-0.05	-6.84e-04	0.0	3.19e-05
840	233	0.52	4.47	-0.03	-2.18e-03	0.0	-8.74e-06
840	240	-0.67	-4.05	-0.06	1.98e-03	0.0	4.34e-05
840	256	-0.18	0.06	-0.06	-2.84e-05	0.0	6.16e-06
840	264	-0.27	0.06	-0.05	-2.81e-05	0.0	6.60e-06
840	276	-0.04	0.26	-0.05	-1.28e-04	0.0	2.81e-06
840	298	-0.03	0.04	-0.05	-1.87e-05	0.0	3.65e-06
840	305	-0.08	0.04	-0.05	-1.92e-05	0.0	3.99e-06
840	307	-0.03	0.08	-0.05	-3.93e-05	0.0	3.23e-06
840	310	-0.03	0.04	-0.05	-1.74e-05	0.0	3.43e-06
841	28	-0.33	0.11	-0.11	-4.03e-05	0.0	1.03e-05
841	44	-0.49	0.11	-0.10	-4.00e-05	0.0	1.13e-05
841	68	-0.06	0.48	-0.10	-1.91e-04	0.0	4.40e-06
841	123	-3.52	1.25	-0.07	-4.86e-04	0.0	2.80e-05
841	137	0.50	4.03	-0.05	-1.57e-03	0.0	-8.66e-06
841	144	-0.66	-3.62	-0.08	1.41e-03	0.0	4.23e-05
841	155	-3.95	1.41	-0.07	-5.48e-04	0.0	3.13e-05
841	169	0.56	4.56	-0.05	-1.77e-03	0.0	-1.03e-05
841	176	-0.74	-4.11	-0.08	1.60e-03	0.0	4.72e-05
841	187	-3.88	1.46	-0.07	-5.65e-04	0.0	3.28e-05
841	201	0.55	4.68	-0.05	-1.82e-03	0.0	-1.01e-05
841	208	-0.73	-4.22	-0.08	1.64e-03	0.0	4.66e-05
841	219	-4.51	1.74	-0.07	-6.76e-04	0.0	3.91e-05
841	233	0.65	5.56	-0.05	-2.16e-03	0.0	-1.26e-05
841	240	-0.84	-5.03	-0.08	1.95e-03	0.0	5.42e-05
841	256	-0.22	0.07	-0.08	-2.75e-05	0.0	7.04e-06
841	264	-0.33	0.07	-0.07	-2.74e-05	0.0	7.74e-06
841	276	-0.04	0.32	-0.07	-1.28e-04	0.0	3.12e-06
841	298	-0.04	0.05	-0.07	-1.80e-05	0.0	3.97e-06
841	305	-0.09	0.05	-0.07	-1.85e-05	0.0	4.44e-06
841	307	-0.04	0.10	-0.07	-3.86e-05	0.0	3.52e-06
841	310	-0.04	0.05	-0.07	-1.67e-05	0.0	3.73e-06
842	28	-0.27	0.08	-0.08	-4.04e-05	0.0	1.40e-05
842	44	-0.40	0.08	-0.07	-3.95e-05	0.0	1.33e-05
842	68	-0.05	0.38	-0.07	-1.91e-04	0.0	7.18e-06
842	123	-2.81	0.99	-0.05	-4.84e-04	0.0	2.29e-05
842	137	0.40	3.23	-0.02	-1.57e-03	0.0	3.08e-06
842	144	-0.53	-2.91	-0.07	1.42e-03	0.0	3.29e-05
842	155	-3.15	1.12	-0.05	-5.45e-04	0.0	2.52e-05
842	169	0.45	3.65	-0.02	-1.78e-03	0.0	2.68e-06
842	176	-0.60	-3.29	-0.07	1.60e-03	0.0	3.61e-05
842	187	-3.10	1.16	-0.05	-5.63e-04	0.0	2.64e-05
842	201	0.44	3.75	-0.02	-1.83e-03	0.0	3.53e-06
842	208	-0.59	-3.38	-0.07	1.65e-03	0.0	3.50e-05
842	219	-3.60	1.38	-0.05	-6.72e-04	0.0	3.07e-05
842	233	0.52	4.45	-0.02	-2.17e-03	0.0	3.12e-06
842	240	-0.68	-4.03	-0.07	1.96e-03	0.0	3.97e-05
842	256	-0.18	0.06	-0.06	-2.76e-05	0.0	9.67e-06
842	264	-0.27	0.05	-0.05	-2.70e-05	0.0	9.20e-06
842	276	-0.04	0.26	-0.05	-1.28e-04	0.0	5.10e-06
842	298	-0.03	0.04	-0.05	-1.85e-05	0.0	6.90e-06
842	305	-0.08	0.04	-0.05	-1.88e-05	0.0	6.89e-06
842	307	-0.03	0.08	-0.05	-3.91e-05	0.0	6.07e-06
842	310	-0.03	0.04	-0.05	-1.72e-05	0.0	6.48e-06
843	28	-0.33	0.10	-0.11	-3.98e-05	0.0	1.37e-05
843	44	-0.49	0.10	-0.09	-3.90e-05	0.0	1.37e-05
843	68	-0.06	0.48	-0.09	-1.91e-04	0.0	6.57e-06
843	123	-3.53	1.23	-0.07	-4.78e-04	0.0	3.03e-05
843	137	0.50	4.01	-0.03	-1.56e-03	0.0	7.57e-05
843	144	-0.67	-3.61	-0.09	1.40e-03	0.0	-3.61e-05
843	155	-3.96	1.39	-0.07	-5.39e-04	0.0	3.36e-05
843	169	0.57	4.54	-0.03	-1.76e-03	0.0	8.44e-05
843	176	-0.75	-4.09	-0.09	1.59e-03	0.0	-4.13e-05
843	187	-3.89	1.43	-0.07	-5.57e-04	0.0	3.53e-05
843	201	0.55	4.65	-0.03	-1.81e-03	0.0	8.30e-05
843	208	-0.73	-4.20	-0.09	1.63e-03	0.0	-4.02e-05
843	219	-4.52	1.71	-0.07	-6.65e-04	0.0	4.16e-05
843	233	0.65	5.53	-0.03	-2.15e-03	0.0	9.63e-05
843	240	-0.84	-5.01	-0.10	1.94e-03	0.0	-4.81e-05
843	256	-0.22	0.07	-0.07	-2.72e-05	0.0	9.43e-06
843	264	-0.33	0.07	-0.07	-2.67e-05	0.0	9.43e-06
843	276	-0.04	0.32	-0.06	-1.28e-04	0.0	4.67e-06
843	298	-0.04	0.05	-0.06	-1.81e-05	0.0	6.26e-06

843	305	-0.10	0.05	-0.06	-1.85e-05	0.0	6.46e-06
843	307	-0.04	0.10	-0.06	-3.87e-05	0.0	5.50e-06
843	310	-0.04	0.04	-0.06	-1.69e-05	0.0	5.87e-06
844	28	-0.27	0.07	-0.07	-4.02e-05	0.0	2.36e-05
844	44	-0.40	0.07	-0.06	-3.87e-05	0.0	2.06e-05
844	68	-0.05	0.38	-0.06	-1.92e-04	0.0	1.30e-05
844	123	-2.81	0.98	-0.05	-4.74e-04	0.0	1.17e-05
844	137	0.40	3.22	-2.53e-03	-1.56e-03	0.0	1.67e-05
844	144	-0.53	-2.90	-0.08	1.40e-03	0.0	3.08e-05
844	155	-3.15	1.11	-0.05	-5.34e-04	0.0	1.18e-05
844	169	0.45	3.64	2.54e-03	-1.77e-03	0.0	1.74e-05
844	176	-0.60	-3.29	-0.09	1.59e-03	0.0	3.29e-05
844	187	-3.10	1.14	-0.05	-5.51e-04	0.0	1.26e-05
844	201	0.44	3.74	3.67e-03	-1.81e-03	0.0	1.93e-05
844	208	-0.59	-3.38	-0.09	1.63e-03	0.0	3.06e-05
844	219	-3.60	1.36	-0.05	-6.59e-04	0.0	1.34e-05
844	233	0.52	4.44	0.01	-2.15e-03	0.0	2.11e-05
844	240	-0.68	-4.03	-0.09	1.95e-03	0.0	3.32e-05
844	256	-0.18	0.05	-0.05	-2.75e-05	0.0	1.63e-05
844	264	-0.27	0.05	-0.05	-2.65e-05	0.0	1.43e-05
844	276	-0.04	0.25	-0.04	-1.29e-04	0.0	9.26e-06
844	298	-0.03	0.03	-0.04	-1.89e-05	0.0	1.29e-05
844	305	-0.08	0.03	-0.04	-1.90e-05	0.0	1.23e-05
844	307	-0.03	0.07	-0.04	-3.94e-05	0.0	1.13e-05
844	310	-0.03	0.03	-0.04	-1.76e-05	0.0	1.21e-05
845	28	-0.33	0.09	-0.10	-4.15e-05	0.0	2.17e-05
845	44	-0.49	0.09	-0.09	-3.96e-05	0.0	1.97e-05
845	68	-0.06	0.48	-0.08	-1.93e-04	0.0	1.08e-05
845	123	-3.54	1.21	-0.07	-4.69e-04	0.0	2.39e-05
845	137	0.50	4.00	-6.85e-03	-1.55e-03	0.0	1.34e-05
845	144	-0.67	-3.60	-0.10	1.39e-03	0.0	3.65e-05
845	155	-3.97	1.37	-0.07	-5.28e-04	0.0	2.57e-05
845	169	0.57	4.52	-5.62e-04	-1.75e-03	0.0	1.38e-05
845	176	-0.75	-4.08	-0.11	1.57e-03	0.0	3.96e-05
845	187	-3.91	1.41	-0.07	-5.45e-04	0.0	2.69e-05
845	201	0.56	4.63	8.39e-04	-1.79e-03	0.0	1.55e-05
845	208	-0.74	-4.19	-0.11	1.62e-03	0.0	3.75e-05
845	219	-4.53	1.69	-0.07	-6.52e-04	0.0	3.08e-05
845	233	0.65	5.50	0.01	-2.13e-03	0.0	1.68e-05
845	240	-0.85	-4.99	-0.12	1.93e-03	0.0	4.16e-05
845	256	-0.22	0.06	-0.07	-2.84e-05	0.0	1.50e-05
845	264	-0.33	0.06	-0.06	-2.72e-05	0.0	1.36e-05
845	276	-0.04	0.32	-0.06	-1.29e-04	0.0	7.72e-06
845	298	-0.04	0.04	-0.06	-1.97e-05	0.0	1.13e-05
845	305	-0.10	0.04	-0.06	-1.97e-05	0.0	1.10e-05
845	307	-0.04	0.09	-0.05	-4.01e-05	0.0	9.81e-06
845	310	-0.04	0.04	-0.05	-1.83e-05	0.0	1.06e-05
846	28	-0.27	0.06	-0.06	-4.04e-05	0.0	3.83e-05
846	44	-0.40	0.06	-0.06	-3.82e-05	0.0	3.19e-05
846	68	-0.05	0.37	-0.05	-1.93e-04	0.0	2.14e-05
846	123	-2.81	0.98	-0.05	-4.65e-04	0.0	0.0
846	137	0.40	3.23	0.04	-1.56e-03	0.0	7.67e-06
846	144	-0.53	-2.92	-0.11	1.40e-03	0.0	5.71e-05
846	155	-3.15	1.10	-0.05	-5.24e-04	0.0	-3.50e-06
846	169	0.45	3.65	0.05	-1.76e-03	0.0	5.94e-06
846	176	-0.60	-3.31	-0.12	1.58e-03	0.0	6.16e-05
846	187	-3.10	1.14	-0.05	-5.41e-04	0.0	-3.31e-06
846	201	0.44	3.74	0.05	-1.80e-03	0.0	5.95e-06
846	208	-0.59	-3.39	-0.12	1.63e-03	0.0	6.11e-05
846	219	-3.60	1.36	-0.05	-6.47e-04	0.0	-6.98e-06
846	233	0.52	4.45	0.07	-2.14e-03	0.0	3.09e-06
846	240	-0.68	-4.04	-0.14	1.94e-03	0.0	6.83e-05
846	256	-0.18	0.04	-0.04	-2.77e-05	0.0	2.65e-05
846	264	-0.27	0.04	-0.04	-2.62e-05	0.0	2.23e-05
846	276	-0.04	0.25	-0.03	-1.30e-04	0.0	1.53e-05
846	298	-0.03	0.02	-0.04	-1.95e-05	0.0	2.20e-05
846	305	-0.08	0.02	-0.04	-1.94e-05	0.0	2.05e-05
846	307	-0.03	0.07	-0.03	-4.00e-05	0.0	1.91e-05
846	310	-0.03	0.02	-0.04	-1.82e-05	0.0	2.06e-05
847	28	-0.33	0.08	-0.08	-4.62e-05	0.0	3.62e-05
847	44	-0.49	0.08	-0.08	-4.26e-05	0.0	3.08e-05
847	68	-0.06	0.47	-0.06	-1.97e-04	0.0	1.70e-05
847	123	-3.55	1.20	-0.07	-4.56e-04	0.0	-2.98e-05
847	137	0.50	3.99	0.04	-1.53e-03	0.0	0.0
847	144	-0.67	-3.60	-0.14	1.37e-03	0.0	6.77e-05

847	155	-3.98	1.36	-0.07	-5.13e-04	0.0	-3.58e-05
847	169	0.57	4.51	0.05	-1.73e-03	0.0	-2.67e-06
847	176	-0.75	-4.08	-0.15	1.55e-03	0.0	7.39e-05
847	187	-3.92	1.40	-0.07	-5.30e-04	0.0	-3.41e-05
847	201	0.56	4.63	0.06	-1.78e-03	0.0	-2.87e-06
847	208	-0.74	-4.19	-0.15	1.60e-03	0.0	7.35e-05
847	219	-4.55	1.67	-0.07	-6.33e-04	0.0	-4.28e-05
847	233	0.66	5.50	0.08	-2.11e-03	0.0	-7.11e-06
847	240	-0.85	-5.00	-0.17	1.90e-03	0.0	8.31e-05
847	256	-0.22	0.05	-0.06	-3.17e-05	0.0	2.51e-05
847	264	-0.33	0.05	-0.06	-2.93e-05	0.0	2.15e-05
847	276	-0.04	0.31	-0.05	-1.32e-04	0.0	1.22e-05
847	298	-0.04	0.03	-0.05	-2.31e-05	0.0	2.03e-05
847	305	-0.10	0.04	-0.05	-2.27e-05	0.0	1.91e-05
847	307	-0.04	0.09	-0.05	-4.32e-05	0.0	1.73e-05
847	310	-0.04	0.03	-0.05	-2.16e-05	0.0	1.90e-05
848	44	-0.40	0.04	-0.05	-3.63e-05	0.0	4.54e-05
848	68	-0.05	0.35	-0.03	-1.96e-04	0.0	3.05e-05
848	123	-2.81	0.98	-0.05	-4.69e-04	0.0	-2.39e-05
848	137	0.40	3.26	0.11	-1.59e-03	0.0	-1.34e-05
848	144	-0.54	-2.96	-0.17	1.43e-03	0.0	9.76e-05
848	155	-3.15	1.11	-0.06	-5.29e-04	0.0	-3.05e-05
848	169	0.45	3.68	0.13	-1.80e-03	0.0	-1.93e-05
848	176	-0.60	-3.35	-0.19	1.62e-03	0.0	1.06e-04
848	187	-3.10	1.14	-0.05	-5.46e-04	0.0	-2.86e-05
848	201	0.44	3.78	0.14	-1.85e-03	0.0	-2.10e-05
848	208	-0.59	-3.44	-0.19	1.67e-03	0.0	1.08e-04
848	219	-3.60	1.37	-0.06	-6.53e-04	0.0	-3.80e-05
848	233	0.52	4.49	0.17	-2.19e-03	0.0	-3.10e-05
848	240	-0.68	-4.10	-0.22	1.99e-03	0.0	1.22e-04
848	264	-0.27	0.02	-0.04	-2.49e-05	0.0	3.17e-05
848	276	-0.04	0.24	-0.02	-1.32e-04	0.0	2.18e-05
848	305	-0.08	0.01	-0.03	-1.88e-05	0.0	2.97e-05
848	307	-0.03	0.05	-0.03	-4.01e-05	0.0	2.77e-05
848	310	-0.03	7.28e-03	-0.03	-1.77e-05	0.0	3.00e-05
849	44	-0.50	0.06	-0.06	-4.82e-05	0.0	4.78e-05
849	68	-0.07	0.46	-0.04	-2.04e-04	0.0	2.42e-05
849	123	-3.55	1.21	-0.07	-3.70e-04	0.0	-3.49e-05
849	137	0.50	4.05	0.14	-1.53e-03	0.0	-9.19e-05
849	144	-0.67	-3.67	-0.22	1.38e-03	0.0	1.87e-04
849	155	-3.99	1.37	-0.07	-4.16e-04	0.0	-4.32e-05
849	169	0.57	4.58	0.17	-1.72e-03	0.0	-1.08e-04
849	176	-0.75	-4.15	-0.24	1.57e-03	0.0	2.08e-04
849	187	-3.92	1.41	-0.07	-4.31e-04	0.0	-4.22e-05
849	201	0.56	4.69	0.17	-1.77e-03	0.0	-1.13e-04
849	208	-0.74	-4.26	-0.24	1.61e-03	0.0	2.12e-04
849	219	-4.55	1.69	-0.07	-5.15e-04	0.0	-5.49e-05
849	233	0.66	5.58	0.21	-2.10e-03	0.0	-1.41e-04
849	240	-0.85	-5.08	-0.28	1.92e-03	0.0	2.46e-04
849	264	-0.33	0.04	-0.05	-3.33e-05	0.0	3.33e-05
849	276	-0.05	0.30	-0.03	-1.37e-04	0.0	1.76e-05
849	305	-0.10	0.02	-0.04	-2.74e-05	0.0	3.10e-05
849	307	-0.04	0.08	-0.03	-4.82e-05	0.0	2.79e-05
849	310	-0.04	0.02	-0.04	-2.66e-05	0.0	3.12e-05
850	4	0.08	0.13	-0.20	-3.07e-05	0.0	1.73e-05
850	44	-0.57	0.19	-0.15	-5.45e-05	0.0	2.32e-05
850	68	-0.06	0.59	-0.17	-1.95e-04	0.0	7.88e-06
850	121	3.67	1.22	-0.22	-4.12e-04	0.0	-2.65e-05
850	123	-4.11	1.65	-0.03	-5.54e-04	0.0	0.0
850	129	0.42	4.96	-0.19	-1.68e-03	0.0	-3.82e-05
850	153	4.13	1.38	-0.23	-4.65e-04	0.0	-3.10e-05
850	155	-4.61	1.86	-0.02	-6.25e-04	0.0	-1.99e-06
850	161	0.48	5.61	-0.20	-1.91e-03	0.0	-4.44e-05
850	185	4.06	1.44	-0.23	-4.86e-04	0.0	-3.05e-05
850	187	-4.54	1.91	-0.02	-6.44e-04	0.0	-2.41e-06
850	193	0.47	5.82	-0.20	-1.98e-03	0.0	-4.49e-05
850	217	4.73	1.73	-0.25	-5.85e-04	0.0	-3.78e-05
850	219	-5.27	2.28	-9.71e-03	-7.70e-04	0.0	-5.30e-06
850	225	0.55	6.99	-0.22	-2.38e-03	0.0	-5.63e-05
850	244	0.05	0.09	-0.14	-2.14e-05	0.0	1.20e-05
850	264	-0.38	0.13	-0.11	-3.72e-05	0.0	1.59e-05
850	276	-0.04	0.40	-0.12	-1.31e-04	0.0	5.70e-06
850	298	-0.04	0.08	-0.11	-2.09e-05	0.0	1.09e-05
850	305	-0.11	0.09	-0.11	-2.26e-05	0.0	1.11e-05
850	307	-0.04	0.14	-0.11	-4.14e-05	0.0	9.07e-06

850	310	-0.04	0.08	-0.11	-1.96e-05	0.0	1.02e-05
851	4	0.10	0.14	-0.25	-1.56e-04	0.0	-2.09e-06
851	44	-0.63	0.21	-0.20	-1.44e-04	0.0	8.31e-06
851	68	-0.06	0.68	-0.23	-2.46e-04	0.0	-1.21e-05
851	121	4.23	1.41	-0.26	-5.02e-04	0.0	-3.98e-05
851	123	-4.72	1.90	-0.05	-4.21e-04	0.0	-1.08e-05
851	129	0.49	5.71	-0.23	-1.44e-03	0.0	-4.90e-05
851	153	4.76	1.59	-0.28	-5.57e-04	0.0	-4.48e-05
851	155	-5.30	2.14	-0.04	-4.66e-04	0.0	-1.22e-05
851	161	0.56	6.46	-0.24	-1.62e-03	0.0	-5.53e-05
851	185	4.68	1.66	-0.28	-5.74e-04	0.0	-4.40e-05
851	187	-5.21	2.20	-0.04	-4.82e-04	0.0	-1.26e-05
851	193	0.54	6.70	-0.24	-1.68e-03	0.0	-5.57e-05
851	217	5.44	1.99	-0.30	-6.74e-04	0.0	-5.19e-05
851	219	-6.05	2.63	-0.03	-5.66e-04	0.0	-1.56e-05
851	225	0.64	8.06	-0.27	-2.01e-03	0.0	-6.72e-05
851	244	0.06	0.10	-0.18	-1.08e-04	0.0	-1.38e-06
851	264	-0.42	0.14	-0.14	-1.00e-04	0.0	5.56e-06
851	276	-0.04	0.46	-0.16	-1.68e-04	0.0	-8.05e-06
851	298	-0.04	0.09	-0.15	-8.82e-05	0.0	0.0
851	305	-0.12	0.09	-0.14	-8.43e-05	0.0	1.27e-06
851	307	-0.04	0.16	-0.14	-9.79e-05	0.0	-1.46e-06
851	310	-0.04	0.08	-0.14	-8.31e-05	0.0	0.0
852	4	0.08	0.12	-0.17	-3.44e-05	0.0	1.40e-05
852	44	-0.57	0.18	-0.14	-5.57e-05	0.0	2.07e-05
852	68	-0.06	0.59	-0.15	-1.97e-04	0.0	7.03e-06
852	121	3.67	1.21	-0.15	-4.03e-04	0.0	-3.11e-05
852	123	-4.11	1.63	-0.06	-5.40e-04	0.0	-4.53e-06
852	129	0.42	4.91	-0.14	-1.64e-03	0.0	-4.82e-05
852	153	4.13	1.37	-0.16	-4.54e-04	0.0	-3.61e-05
852	155	-4.61	1.83	-0.05	-6.08e-04	0.0	-6.26e-06
852	161	0.48	5.55	-0.15	-1.85e-03	0.0	-5.56e-05
852	185	4.06	1.43	-0.16	-4.75e-04	0.0	-3.58e-05
852	187	-4.54	1.89	-0.05	-6.27e-04	0.0	-6.94e-06
852	193	0.47	5.76	-0.15	-1.92e-03	0.0	-5.69e-05
852	217	4.73	1.72	-0.17	-5.71e-04	0.0	-4.39e-05
852	219	-5.27	2.25	-0.05	-7.49e-04	0.0	-1.05e-05
852	225	0.55	6.93	-0.16	-2.31e-03	0.0	-7.06e-05
852	244	0.05	0.08	-0.12	-2.39e-05	0.0	9.71e-06
852	264	-0.38	0.12	-0.10	-3.81e-05	0.0	1.42e-05
852	276	-0.04	0.39	-0.11	-1.32e-04	0.0	5.09e-06
852	298	-0.04	0.08	-0.10	-2.28e-05	0.0	9.05e-06
852	305	-0.11	0.08	-0.10	-2.41e-05	0.0	9.43e-06
852	307	-0.04	0.13	-0.10	-4.30e-05	0.0	7.62e-06
852	310	-0.04	0.07	-0.10	-2.13e-05	0.0	8.49e-06
853	44	-0.63	0.20	-0.21	-1.70e-04	0.0	1.16e-05
853	52	-0.07	0.48	-0.25	-2.63e-04	0.0	-1.77e-06
853	68	-0.06	0.67	-0.22	-2.86e-04	0.0	-6.14e-06
853	121	4.23	1.39	-0.20	-5.93e-04	0.0	1.82e-05
853	123	-4.72	1.87	-0.10	-5.01e-04	0.0	4.91e-05
853	129	0.49	5.64	-0.19	-1.71e-03	0.0	1.44e-04
853	153	4.76	1.57	-0.21	-6.59e-04	0.0	2.03e-05
853	155	-5.30	2.10	-0.09	-5.55e-04	0.0	5.51e-05
853	161	0.56	6.38	-0.19	-1.92e-03	0.0	1.62e-04
853	185	4.68	1.64	-0.21	-6.79e-04	0.0	2.13e-05
853	187	-5.21	2.17	-0.09	-5.74e-04	0.0	5.48e-05
853	193	0.54	6.62	-0.20	-1.99e-03	0.0	1.62e-04
853	217	5.44	1.97	-0.22	-7.97e-04	0.0	2.57e-05
853	219	-6.05	2.59	-0.08	-6.73e-04	0.0	6.45e-05
853	225	0.64	7.96	-0.21	-2.38e-03	0.0	1.92e-04
853	264	-0.42	0.14	-0.15	-1.18e-04	0.0	7.85e-06
853	268	-0.05	0.32	-0.18	-1.80e-04	0.0	-1.07e-06
853	276	-0.04	0.45	-0.16	-1.95e-04	0.0	-3.98e-06
853	298	-0.04	0.09	-0.15	-1.05e-04	0.0	2.20e-06
853	305	-0.12	0.09	-0.14	-1.00e-04	0.0	3.17e-06
853	307	-0.04	0.15	-0.14	-1.16e-04	0.0	0.0
853	310	-0.04	0.08	-0.14	-9.90e-05	0.0	2.06e-06
854	44	-0.57	0.17	-0.14	-5.50e-05	0.0	1.85e-05
854	52	-0.07	0.41	-0.17	-1.39e-04	0.0	1.03e-05
854	68	-0.06	0.58	-0.15	-1.97e-04	0.0	6.25e-06
854	121	3.67	1.20	-0.13	-3.95e-04	0.0	2.30e-05
854	123	-4.11	1.60	-0.07	-5.26e-04	0.0	5.09e-05
854	129	0.42	4.86	-0.12	-1.60e-03	0.0	1.38e-04
854	153	4.14	1.35	-0.13	-4.45e-04	0.0	2.51e-05
854	155	-4.61	1.81	-0.07	-5.93e-04	0.0	5.64e-05

854	161	0.48	5.49	-0.12	-1.81e-03	0.0	1.55e-04
854	185	4.07	1.41	-0.13	-4.65e-04	0.0	2.61e-05
854	187	-4.54	1.86	-0.07	-6.12e-04	0.0	5.64e-05
854	193	0.47	5.70	-0.12	-1.87e-03	0.0	1.56e-04
854	217	4.73	1.70	-0.14	-5.58e-04	0.0	3.05e-05
854	219	-5.27	2.22	-0.07	-7.30e-04	0.0	6.55e-05
854	225	0.56	6.85	-0.13	-2.25e-03	0.0	1.84e-04
854	264	-0.38	0.11	-0.10	-3.76e-05	0.0	1.27e-05
854	268	-0.05	0.28	-0.12	-9.37e-05	0.0	7.19e-06
854	276	-0.04	0.39	-0.11	-1.32e-04	0.0	4.50e-06
854	298	-0.04	0.07	-0.10	-2.34e-05	0.0	7.45e-06
854	305	-0.11	0.07	-0.09	-2.45e-05	0.0	7.97e-06
854	307	-0.04	0.13	-0.09	-4.34e-05	0.0	6.34e-06
854	310	-0.04	0.07	-0.09	-2.18e-05	0.0	7.00e-06
855	44	-0.63	0.19	-0.21	-1.82e-04	0.0	1.59e-05
855	52	-0.07	0.48	-0.25	-2.82e-04	0.0	4.91e-06
855	68	-0.06	0.67	-0.22	-3.05e-04	0.0	1.10e-06
855	121	4.23	1.38	-0.17	-6.33e-04	0.0	2.49e-05
855	123	-4.72	1.84	-0.11	-5.36e-04	0.0	5.69e-05
855	129	0.49	5.57	-0.17	-1.82e-03	0.0	1.63e-04
855	153	4.76	1.55	-0.18	-7.03e-04	0.0	2.77e-05
855	155	-5.30	2.07	-0.11	-5.94e-04	0.0	6.36e-05
855	161	0.56	6.30	-0.17	-2.05e-03	0.0	1.83e-04
855	185	4.68	1.62	-0.18	-7.25e-04	0.0	2.90e-05
855	187	-5.22	2.13	-0.11	-6.14e-04	0.0	6.36e-05
855	193	0.54	6.53	-0.17	-2.12e-03	0.0	1.84e-04
855	217	5.44	1.95	-0.18	-8.50e-04	0.0	3.46e-05
855	219	-6.06	2.55	-0.11	-7.20e-04	0.0	7.46e-05
855	225	0.64	7.86	-0.18	-2.54e-03	0.0	2.19e-04
855	264	-0.42	0.13	-0.15	-1.27e-04	0.0	1.08e-05
855	268	-0.05	0.32	-0.17	-1.93e-04	0.0	3.50e-06
855	276	-0.04	0.45	-0.15	-2.09e-04	0.0	0.0
855	298	-0.04	0.08	-0.14	-1.13e-04	0.0	4.86e-06
855	305	-0.12	0.09	-0.14	-1.08e-04	0.0	5.71e-06
855	307	-0.04	0.15	-0.14	-1.24e-04	0.0	3.74e-06
855	310	-0.04	0.08	-0.14	-1.07e-04	0.0	4.57e-06
856	4	0.08	0.11	-0.17	-3.56e-05	0.0	8.92e-06
856	44	-0.56	0.16	-0.14	-5.29e-05	0.0	1.69e-05
856	68	-0.06	0.58	-0.15	-1.96e-04	0.0	5.75e-06
856	121	3.68	1.19	-0.11	-3.88e-04	0.0	2.45e-05
856	123	-4.11	1.58	-0.08	-5.16e-04	0.0	5.34e-05
856	137	0.58	4.82	-0.11	-1.58e-03	0.0	1.10e-06
856	153	4.14	1.34	-0.11	-4.37e-04	0.0	2.70e-05
856	155	-4.62	1.78	-0.08	-5.81e-04	0.0	5.94e-05
856	169	0.66	5.45	-0.11	-1.79e-03	0.0	0.0
856	185	4.07	1.40	-0.11	-4.57e-04	0.0	2.82e-05
856	187	-4.54	1.83	-0.08	-5.99e-04	0.0	5.96e-05
856	193	0.47	5.63	-0.11	-1.84e-03	0.0	1.68e-04
856	217	4.74	1.68	-0.12	-5.49e-04	0.0	3.33e-05
856	219	-5.27	2.19	-0.08	-7.15e-04	0.0	6.96e-05
856	225	0.56	6.77	-0.11	-2.21e-03	0.0	1.99e-04
856	244	0.05	0.07	-0.12	-2.46e-05	0.0	6.24e-06
856	264	-0.38	0.11	-0.10	-3.62e-05	0.0	1.15e-05
856	276	-0.04	0.39	-0.10	-1.32e-04	0.0	4.12e-06
856	298	-0.04	0.07	-0.10	-2.29e-05	0.0	6.27e-06
856	305	-0.11	0.07	-0.09	-2.39e-05	0.0	6.88e-06
856	307	-0.04	0.13	-0.09	-4.30e-05	0.0	5.40e-06
856	310	-0.04	0.06	-0.09	-2.14e-05	0.0	5.89e-06
857	4	0.10	0.12	-0.24	-2.07e-04	0.0	8.44e-06
857	44	-0.63	0.18	-0.21	-1.86e-04	0.0	1.80e-05
857	68	-0.06	0.67	-0.21	-3.13e-04	0.0	5.11e-06
857	121	4.23	1.36	-0.16	-6.46e-04	0.0	2.86e-05
857	123	-4.72	1.81	-0.12	-5.48e-04	0.0	6.09e-05
857	137	0.67	5.53	-0.15	-1.86e-03	0.0	0.0
857	153	4.76	1.54	-0.16	-7.17e-04	0.0	3.17e-05
857	155	-5.30	2.04	-0.12	-6.06e-04	0.0	6.79e-05
857	169	0.76	6.24	-0.15	-2.09e-03	0.0	0.0
857	185	4.68	1.60	-0.16	-7.39e-04	0.0	3.32e-05
857	187	-5.22	2.10	-0.12	-6.27e-04	0.0	6.81e-05
857	193	0.54	6.45	-0.15	-2.16e-03	0.0	1.96e-04
857	217	5.45	1.93	-0.16	-8.67e-04	0.0	3.94e-05
857	219	-6.06	2.51	-0.12	-7.35e-04	0.0	7.98e-05
857	225	0.64	7.75	-0.16	-2.59e-03	0.0	2.33e-04
857	244	0.06	0.08	-0.17	-1.43e-04	0.0	5.92e-06
857	264	-0.42	0.12	-0.15	-1.30e-04	0.0	1.23e-05

857	276	-0.04	0.45	-0.15	-2.14e-04	0.0	3.70e-06
857	298	-0.04	0.08	-0.14	-1.17e-04	0.0	6.21e-06
857	305	-0.12	0.08	-0.14	-1.11e-04	0.0	6.99e-06
857	307	-0.04	0.15	-0.14	-1.28e-04	0.0	5.27e-06
857	310	-0.04	0.07	-0.14	-1.10e-04	0.0	5.84e-06
858	4	0.08	0.10	-0.17	-3.40e-05	0.0	7.47e-06
858	44	-0.56	0.15	-0.14	-4.98e-05	0.0	1.57e-05
858	68	-0.06	0.58	-0.15	-1.95e-04	0.0	5.58e-06
858	121	3.68	1.18	-0.10	-3.82e-04	0.0	2.60e-05
858	123	-4.12	1.55	-0.09	-5.07e-04	0.0	5.52e-05
858	137	0.59	4.80	-0.10	-1.57e-03	0.0	-4.08e-06
858	153	4.14	1.33	-0.11	-4.31e-04	0.0	2.88e-05
858	155	-4.62	1.75	-0.09	-5.71e-04	0.0	6.16e-05
858	169	0.66	5.42	-0.10	-1.78e-03	0.0	-5.22e-06
858	185	4.07	1.38	-0.11	-4.50e-04	0.0	3.02e-05
858	187	-4.55	1.80	-0.09	-5.89e-04	0.0	6.19e-05
858	201	0.65	5.57	-0.10	-1.82e-03	0.0	-4.09e-06
858	217	4.74	1.66	-0.11	-5.41e-04	0.0	3.59e-05
858	219	-5.28	2.15	-0.09	-7.03e-04	0.0	7.26e-05
858	225	0.56	6.68	-0.10	-2.18e-03	0.0	2.10e-04
858	244	0.05	0.07	-0.12	-2.36e-05	0.0	5.24e-06
858	264	-0.38	0.10	-0.10	-3.41e-05	0.0	1.07e-05
858	276	-0.04	0.39	-0.10	-1.31e-04	0.0	3.98e-06
858	298	-0.04	0.06	-0.10	-2.18e-05	0.0	5.45e-06
858	305	-0.11	0.07	-0.09	-2.26e-05	0.0	6.11e-06
858	307	-0.04	0.12	-0.10	-4.20e-05	0.0	4.77e-06
858	310	-0.04	0.06	-0.09	-2.03e-05	0.0	5.12e-06
859	4	0.10	0.12	-0.25	-2.08e-04	-2.01e-05	9.09e-06
859	44	-0.63	0.17	-0.21	-1.87e-04	-2.22e-05	1.83e-05
859	68	-0.06	0.66	-0.22	-3.15e-04	-1.58e-05	7.48e-06
859	121	4.23	1.35	-0.15	-6.42e-04	6.26e-06	3.22e-05
859	123	-4.72	1.78	-0.13	-5.44e-04	-2.22e-05	6.35e-05
859	137	0.67	5.50	-0.15	-1.86e-03	8.52e-06	-7.16e-06
859	153	4.76	1.52	-0.15	-7.12e-04	8.68e-06	3.58e-05
859	155	-5.31	2.00	-0.13	-6.02e-04	-2.33e-05	7.08e-05
859	169	0.76	6.22	-0.15	-2.09e-03	1.13e-05	-8.88e-06
859	185	4.68	1.58	-0.15	-7.34e-04	8.66e-06	3.74e-05
859	187	-5.22	2.06	-0.13	-6.22e-04	-2.28e-05	7.13e-05
859	201	0.74	6.38	-0.15	-2.15e-03	1.19e-05	-8.02e-06
859	217	5.45	1.90	-0.15	-8.61e-04	1.24e-05	4.45e-05
859	219	-6.06	2.47	-0.13	-7.29e-04	-2.42e-05	8.36e-05
859	225	0.64	7.65	-0.15	-2.56e-03	1.55e-05	2.47e-04
859	244	0.06	0.08	-0.17	-1.44e-04	-1.44e-05	6.37e-06
859	264	-0.42	0.12	-0.15	-1.30e-04	-1.59e-05	1.25e-05
859	276	-0.04	0.45	-0.15	-2.15e-04	-1.16e-05	5.29e-06
859	298	-0.04	0.07	-0.15	-1.18e-04	-1.34e-05	6.53e-06
859	305	-0.12	0.08	-0.14	-1.12e-04	-1.33e-05	7.26e-06
859	307	-0.04	0.14	-0.14	-1.29e-04	-1.24e-05	5.82e-06
859	310	-0.04	0.07	-0.14	-1.11e-04	-1.29e-05	6.14e-06
860	4	0.08	0.10	-0.17	-3.17e-05	0.0	6.51e-06
860	44	-0.56	0.14	-0.15	-4.62e-05	0.0	1.47e-05
860	68	-0.06	0.57	-0.15	-1.93e-04	0.0	5.42e-06
860	118	3.64	-0.17	-0.10	5.68e-05	0.0	1.25e-04
860	123	-4.12	1.52	-0.09	-4.98e-04	0.0	5.57e-05
860	137	0.59	4.78	-0.10	-1.56e-03	0.0	-7.50e-06
860	150	4.09	-0.20	-0.10	6.68e-05	0.0	1.40e-04
860	155	-4.63	1.72	-0.09	-5.61e-04	0.0	6.22e-05
860	169	0.66	5.40	-0.10	-1.77e-03	0.0	-9.07e-06
860	182	4.02	-0.21	-0.10	6.91e-05	0.0	1.38e-04
860	187	-4.55	1.77	-0.09	-5.79e-04	0.0	6.26e-05
860	201	0.65	5.54	-0.10	-1.81e-03	0.0	-8.32e-06
860	214	4.69	-0.25	-0.10	8.36e-05	0.0	1.60e-04
860	219	-5.29	2.12	-0.09	-6.92e-04	0.0	7.36e-05
860	233	0.76	6.59	-0.10	-2.16e-03	0.0	-1.05e-05
860	244	0.05	0.07	-0.12	-2.19e-05	0.0	4.57e-06
860	264	-0.38	0.09	-0.10	-3.16e-05	0.0	1.01e-05
860	276	-0.04	0.38	-0.11	-1.30e-04	0.0	3.85e-06
860	298	-0.04	0.06	-0.10	-2.03e-05	0.0	4.88e-06
860	305	-0.11	0.06	-0.10	-2.10e-05	0.0	5.57e-06
860	307	-0.04	0.12	-0.10	-4.06e-05	0.0	4.33e-06
860	310	-0.04	0.06	-0.10	-1.89e-05	0.0	4.59e-06
861	4	0.10	0.11	-0.25	-2.08e-04	0.0	9.07e-06
861	44	-0.63	0.16	-0.22	-1.86e-04	-4.57e-06	1.83e-05
861	68	-0.06	0.66	-0.22	-3.14e-04	2.48e-06	7.55e-06
861	118	4.18	-0.20	-0.15	-2.87e-05	6.52e-06	1.44e-04

861	123	-4.73	1.74	-0.14	-5.39e-04	-1.12e-05	6.36e-05
861	137	0.67	5.47	-0.14	-1.86e-03	2.21e-05	-7.62e-06
861	150	4.70	-0.23	-0.15	-1.78e-05	7.48e-06	1.61e-04
861	155	-5.31	1.97	-0.14	-5.96e-04	-1.24e-05	7.10e-05
861	169	0.76	6.19	-0.14	-2.09e-03	2.52e-05	-9.40e-06
861	182	4.61	-0.24	-0.15	-1.54e-05	7.28e-06	1.58e-04
861	187	-5.22	2.03	-0.14	-6.16e-04	-1.19e-05	7.15e-05
861	201	0.74	6.35	-0.14	-2.14e-03	2.58e-05	-8.59e-06
861	214	5.39	-0.29	-0.15	0.0	8.72e-06	1.84e-04
861	219	-6.06	2.42	-0.14	-7.22e-04	-1.33e-05	8.38e-05
861	233	0.87	7.55	-0.14	-2.53e-03	3.09e-05	-1.11e-05
861	244	0.06	0.08	-0.18	-1.44e-04	0.0	6.36e-06
861	264	-0.42	0.11	-0.15	-1.29e-04	-3.37e-06	1.25e-05
861	276	-0.04	0.44	-0.15	-2.15e-04	1.33e-06	5.35e-06
861	298	-0.04	0.07	-0.15	-1.17e-04	-1.26e-06	6.52e-06
861	305	-0.12	0.07	-0.14	-1.11e-04	-1.85e-06	7.26e-06
861	307	-0.04	0.14	-0.14	-1.29e-04	0.0	5.82e-06
861	310	-0.04	0.07	-0.14	-1.11e-04	-1.36e-06	6.13e-06
862	44	-0.56	0.13	-0.14	-4.22e-05	0.0	1.37e-05
862	68	-0.06	0.57	-0.14	-1.91e-04	0.0	4.93e-06
862	76	-0.07	-0.04	-0.16	1.58e-05	0.0	8.38e-06
862	123	-4.13	1.50	-0.09	-4.89e-04	0.0	5.39e-05
862	137	0.59	4.75	-0.09	-1.56e-03	0.0	-8.68e-06
862	140	-0.67	-4.64	-0.10	1.52e-03	0.0	1.70e-05
862	155	-4.64	1.69	-0.09	-5.51e-04	0.0	6.03e-05
862	169	0.66	5.37	-0.09	-1.76e-03	0.0	-1.04e-05
862	172	-0.74	-5.26	-0.10	1.73e-03	0.0	1.86e-05
862	187	-4.56	1.74	-0.09	-5.69e-04	0.0	6.07e-05
862	201	0.65	5.51	-0.09	-1.81e-03	0.0	-9.79e-06
862	204	-0.73	-5.40	-0.10	1.77e-03	0.0	1.81e-05
862	219	-5.30	2.08	-0.09	-6.80e-04	0.0	7.14e-05
862	233	0.76	6.55	-0.08	-2.15e-03	0.0	-1.23e-05
862	236	-0.84	-6.44	-0.10	2.11e-03	0.0	2.05e-05
862	264	-0.38	0.09	-0.10	-2.88e-05	0.0	9.33e-06
862	276	-0.04	0.38	-0.10	-1.28e-04	0.0	3.50e-06
862	280	-0.05	-0.02	-0.12	9.80e-06	0.0	5.80e-06
862	298	-0.04	0.06	-0.10	-1.85e-05	0.0	4.40e-06
862	305	-0.11	0.06	-0.09	-1.92e-05	0.0	5.08e-06
862	307	-0.04	0.12	-0.09	-3.90e-05	0.0	3.91e-06
862	310	-0.04	0.06	-0.09	-1.72e-05	0.0	4.14e-06
863	44	-0.63	0.15	-0.21	-1.85e-04	7.38e-06	1.71e-05
863	68	-0.06	0.66	-0.21	-3.13e-04	1.58e-05	6.51e-06
863	76	-0.07	-0.05	-0.24	-1.69e-04	1.27e-05	1.13e-05
863	123	-4.73	1.71	-0.14	-5.31e-04	-5.42e-06	6.16e-05
863	137	0.67	5.45	-0.13	-1.84e-03	3.72e-05	-7.11e-06
863	140	-0.75	-5.32	-0.14	1.62e-03	-2.39e-05	1.82e-05
863	155	-5.31	1.93	-0.13	-5.87e-04	-6.85e-06	6.88e-05
863	169	0.76	6.16	-0.13	-2.07e-03	4.12e-05	-8.75e-06
863	172	-0.84	-6.03	-0.14	1.85e-03	-2.79e-05	1.99e-05
863	187	-5.23	1.99	-0.13	-6.07e-04	-6.20e-06	6.93e-05
863	201	0.74	6.32	-0.13	-2.13e-03	4.21e-05	-7.89e-06
863	204	-0.82	-6.19	-0.14	1.91e-03	-2.87e-05	1.90e-05
863	219	-6.07	2.38	-0.13	-7.10e-04	-7.93e-06	8.13e-05
863	233	0.87	7.51	-0.13	-2.51e-03	4.88e-05	-1.02e-05
863	236	-0.95	-7.38	-0.15	2.29e-03	-3.54e-05	2.13e-05
863	264	-0.42	0.10	-0.15	-1.29e-04	5.11e-06	1.17e-05
863	276	-0.04	0.44	-0.15	-2.14e-04	1.07e-05	4.62e-06
863	280	-0.05	-0.03	-0.17	-1.18e-04	8.65e-06	7.78e-06
863	298	-0.04	0.07	-0.14	-1.17e-04	7.17e-06	5.91e-06
863	305	-0.12	0.07	-0.14	-1.11e-04	6.10e-06	6.65e-06
863	307	-0.04	0.14	-0.14	-1.28e-04	7.22e-06	5.23e-06
863	310	-0.04	0.06	-0.14	-1.10e-04	6.67e-06	5.56e-06
864	28	-0.37	0.13	-0.15	-3.92e-05	0.0	1.13e-05
864	44	-0.56	0.12	-0.14	-3.91e-05	0.0	1.27e-05
864	68	-0.06	0.57	-0.13	-1.90e-04	0.0	4.54e-06
864	123	-4.14	1.47	-0.09	-4.81e-04	0.0	3.17e-05
864	137	0.59	4.73	-0.07	-1.55e-03	0.0	-8.86e-06
864	144	-0.78	-4.25	-0.10	1.40e-03	0.0	4.74e-05
864	155	-4.65	1.66	-0.09	-5.43e-04	0.0	3.54e-05
864	169	0.67	5.35	-0.07	-1.76e-03	0.0	-1.06e-05
864	176	-0.87	-4.82	-0.10	1.58e-03	0.0	5.29e-05
864	187	-4.57	1.71	-0.09	-5.60e-04	0.0	3.72e-05
864	201	0.65	5.49	-0.07	-1.80e-03	0.0	-1.02e-05
864	208	-0.85	-4.95	-0.11	1.63e-03	0.0	5.21e-05
864	219	-5.31	2.04	-0.09	-6.70e-04	0.0	4.43e-05

864	233	0.76	6.52	-0.07	-2.14e-03	0.0	-1.27e-05
864	240	-0.98	-5.90	-0.11	1.94e-03	0.0	6.05e-05
864	256	-0.25	0.09	-0.11	-2.68e-05	0.0	7.76e-06
864	264	-0.38	0.08	-0.10	-2.68e-05	0.0	8.69e-06
864	276	-0.04	0.38	-0.09	-1.27e-04	0.0	3.22e-06
864	298	-0.04	0.06	-0.09	-1.74e-05	0.0	4.21e-06
864	305	-0.11	0.06	-0.09	-1.79e-05	0.0	4.80e-06
864	307	-0.04	0.12	-0.09	-3.81e-05	0.0	3.71e-06
864	310	-0.04	0.05	-0.09	-1.62e-05	0.0	3.95e-06
865	28	-0.42	0.14	-0.23	-2.11e-04	1.99e-05	1.23e-05
865	44	-0.63	0.14	-0.20	-1.83e-04	1.42e-05	1.41e-05
865	68	-0.06	0.65	-0.19	-3.12e-04	2.51e-05	4.28e-06
865	123	-4.73	1.68	-0.13	-5.22e-04	-5.40e-06	3.44e-05
865	137	0.67	5.42	-0.11	-1.83e-03	5.64e-05	-7.58e-06
865	144	-0.88	-4.88	-0.15	1.51e-03	-3.39e-05	5.07e-05
865	155	-5.31	1.90	-0.13	-5.77e-04	-7.44e-06	3.85e-05
865	169	0.76	6.13	-0.11	-2.06e-03	6.23e-05	-9.12e-06
865	176	-0.98	-5.53	-0.15	1.72e-03	-3.98e-05	5.65e-05
865	187	-5.23	1.96	-0.13	-5.97e-04	-6.50e-06	4.04e-05
865	201	0.74	6.29	-0.11	-2.11e-03	6.35e-05	-8.42e-06
865	208	-0.96	-5.68	-0.15	1.77e-03	-4.09e-05	5.54e-05
865	219	-6.07	2.34	-0.13	-6.98e-04	-8.95e-06	4.83e-05
865	233	0.87	7.48	-0.10	-2.49e-03	7.33e-05	-1.06e-05
865	240	-1.11	-6.77	-0.15	2.12e-03	-5.07e-05	6.42e-05
865	256	-0.28	0.10	-0.16	-1.46e-04	1.38e-05	8.42e-06
865	264	-0.42	0.10	-0.14	-1.27e-04	9.99e-06	9.58e-06
865	276	-0.04	0.44	-0.14	-2.13e-04	1.72e-05	3.06e-06
865	298	-0.04	0.06	-0.13	-1.16e-04	1.26e-05	4.41e-06
865	305	-0.12	0.07	-0.13	-1.10e-04	1.11e-05	5.13e-06
865	307	-0.04	0.13	-0.13	-1.28e-04	1.25e-05	3.82e-06
865	310	-0.04	0.06	-0.13	-1.10e-04	1.18e-05	4.14e-06
866	28	-0.38	0.12	-0.14	-3.92e-05	0.0	1.25e-05
866	44	-0.57	0.12	-0.13	-3.85e-05	0.0	1.33e-05
866	68	-0.06	0.57	-0.12	-1.91e-04	0.0	5.26e-06
866	123	-4.15	1.45	-0.09	-4.75e-04	0.0	3.41e-05
866	137	0.59	4.71	-0.05	-1.55e-03	0.0	-7.50e-06
866	144	-0.78	-4.23	-0.11	1.39e-03	0.0	4.93e-05
866	155	-4.66	1.63	-0.09	-5.36e-04	0.0	3.80e-05
866	169	0.67	5.32	-0.05	-1.75e-03	0.0	-9.16e-06
866	176	-0.87	-4.80	-0.12	1.58e-03	0.0	5.50e-05
866	187	-4.59	1.68	-0.09	-5.53e-04	0.0	4.00e-05
866	201	0.65	5.46	-0.05	-1.80e-03	0.0	-8.90e-06
866	208	-0.86	-4.93	-0.12	1.62e-03	0.0	5.44e-05
866	219	-5.33	2.01	-0.09	-6.61e-04	0.0	4.76e-05
866	233	0.77	6.49	-0.04	-2.13e-03	0.0	-1.15e-05
866	240	-0.99	-5.88	-0.12	1.93e-03	0.0	6.31e-05
866	256	-0.25	0.08	-0.10	-2.68e-05	0.0	8.58e-06
866	264	-0.38	0.08	-0.09	-2.64e-05	0.0	9.13e-06
866	276	-0.04	0.38	-0.09	-1.28e-04	0.0	3.74e-06
866	298	-0.04	0.05	-0.08	-1.78e-05	0.0	5.14e-06
866	305	-0.11	0.06	-0.08	-1.81e-05	0.0	5.57e-06
866	307	-0.04	0.12	-0.08	-3.85e-05	0.0	4.50e-06
866	310	-0.04	0.05	-0.08	-1.65e-05	0.0	4.82e-06
867	28	-0.41	0.14	-0.21	-2.09e-04	2.34e-05	1.03e-05
867	44	-0.63	0.13	-0.19	-1.80e-04	1.64e-05	1.21e-05
867	68	-0.06	0.65	-0.18	-3.11e-04	3.13e-05	2.99e-06
867	123	-4.73	1.66	-0.13	-5.15e-04	-1.23e-05	3.52e-05
867	137	0.67	5.40	-0.08	-1.82e-03	8.28e-05	-9.19e-06
867	144	-0.88	-4.86	-0.15	1.50e-03	-5.56e-05	5.18e-05
867	155	-5.31	1.87	-0.13	-5.69e-04	-1.55e-05	3.96e-05
867	169	0.76	6.10	-0.08	-2.04e-03	9.18e-05	-1.09e-05
867	176	-0.98	-5.50	-0.16	1.71e-03	-6.47e-05	5.79e-05
867	187	-5.23	1.93	-0.13	-5.88e-04	-1.41e-05	4.18e-05
867	201	0.74	6.26	-0.08	-2.09e-03	9.37e-05	-1.04e-05
867	208	-0.96	-5.65	-0.16	1.76e-03	-6.64e-05	5.71e-05
867	219	-6.07	2.31	-0.13	-6.87e-04	-1.79e-05	5.01e-05
867	233	0.87	7.44	-0.07	-2.47e-03	1.09e-04	-1.29e-05
867	240	-1.11	-6.74	-0.17	2.11e-03	-8.14e-05	6.65e-05
867	256	-0.28	0.09	-0.15	-1.45e-04	1.63e-05	7.04e-06
867	264	-0.42	0.09	-0.13	-1.26e-04	1.16e-05	8.20e-06
867	276	-0.04	0.44	-0.13	-2.13e-04	2.16e-05	2.15e-06
867	298	-0.04	0.06	-0.12	-1.16e-04	1.53e-05	3.47e-06
867	305	-0.12	0.06	-0.12	-1.09e-04	1.35e-05	4.16e-06
867	307	-0.04	0.13	-0.12	-1.27e-04	1.54e-05	2.95e-06
867	310	-0.04	0.06	-0.12	-1.09e-04	1.44e-05	3.24e-06

868	28	-0.38	0.11	-0.13	-4.19e-05	0.0	1.73e-05
868	44	-0.57	0.11	-0.12	-4.00e-05	0.0	1.68e-05
868	68	-0.07	0.56	-0.10	-1.94e-04	0.0	7.42e-06
868	123	-4.17	1.42	-0.09	-4.67e-04	0.0	3.42e-05
868	137	0.59	4.69	-0.02	-1.54e-03	0.0	2.00e-06
868	144	-0.79	-4.22	-0.13	1.38e-03	0.0	4.65e-05
868	155	-4.69	1.61	-0.09	-5.26e-04	0.0	3.78e-05
868	169	0.67	5.30	-9.95e-03	-1.74e-03	0.0	1.25e-06
868	176	-0.88	-4.78	-0.14	1.57e-03	0.0	5.13e-05
868	187	-4.61	1.66	-0.09	-5.43e-04	0.0	3.97e-05
868	201	0.66	5.43	-8.32e-03	-1.79e-03	0.0	2.10e-06
868	208	-0.86	-4.91	-0.14	1.61e-03	0.0	5.01e-05
868	219	-5.35	1.98	-0.09	-6.49e-04	0.0	4.66e-05
868	233	0.77	6.46	4.03e-03	-2.12e-03	0.0	1.22e-06
868	240	-1.00	-5.85	-0.15	1.92e-03	0.0	5.73e-05
868	256	-0.26	0.08	-0.09	-2.87e-05	0.0	1.19e-05
868	264	-0.38	0.07	-0.08	-2.74e-05	0.0	1.16e-05
868	276	-0.05	0.38	-0.08	-1.30e-04	0.0	5.31e-06
868	298	-0.04	0.05	-0.08	-1.99e-05	0.0	8.19e-06
868	305	-0.11	0.05	-0.07	-2.00e-05	0.0	8.30e-06
868	307	-0.04	0.11	-0.07	-4.04e-05	0.0	7.04e-06
868	310	-0.04	0.05	-0.07	-1.86e-05	0.0	7.67e-06
869	28	-0.41	0.13	-0.19	-2.07e-04	2.04e-05	1.01e-05
869	44	-0.63	0.13	-0.17	-1.77e-04	1.26e-05	1.19e-05
869	68	-0.06	0.65	-0.15	-3.10e-04	3.33e-05	2.73e-06
869	123	-4.73	1.63	-0.12	-5.08e-04	-2.96e-05	3.52e-05
869	137	0.67	5.38	-0.04	-1.81e-03	1.19e-04	-9.75e-06
869	144	-0.88	-4.84	-0.17	1.48e-03	-9.35e-05	5.20e-05
869	155	-5.31	1.84	-0.12	-5.61e-04	-3.48e-05	3.95e-05
869	169	0.76	6.08	-0.03	-2.03e-03	1.32e-04	-1.15e-05
869	176	-0.98	-5.48	-0.18	1.69e-03	-1.07e-04	5.82e-05
869	187	-5.23	1.90	-0.12	-5.80e-04	-3.25e-05	4.18e-05
869	201	0.74	6.24	-0.03	-2.08e-03	1.35e-04	-1.11e-05
869	208	-0.96	-5.63	-0.18	1.74e-03	-1.10e-04	5.74e-05
869	219	-6.07	2.27	-0.12	-6.77e-04	-3.89e-05	5.01e-05
869	233	0.87	7.41	-0.02	-2.45e-03	1.58e-04	-1.37e-05
869	240	-1.11	-6.71	-0.20	2.09e-03	-1.33e-04	6.70e-05
869	256	-0.28	0.09	-0.13	-1.43e-04	1.43e-05	6.88e-06
869	264	-0.42	0.09	-0.12	-1.23e-04	9.15e-06	8.06e-06
869	276	-0.04	0.44	-0.11	-2.12e-04	2.30e-05	1.96e-06
869	298	-0.04	0.06	-0.11	-1.15e-04	1.48e-05	3.34e-06
869	305	-0.12	0.06	-0.11	-1.08e-04	1.26e-05	4.04e-06
869	307	-0.04	0.13	-0.11	-1.26e-04	1.54e-05	2.82e-06
869	310	-0.04	0.06	-0.11	-1.08e-04	1.40e-05	3.12e-06
870	28	-0.39	0.10	-0.11	-4.98e-05	0.0	2.71e-05
870	44	-0.58	0.10	-0.10	-4.54e-05	0.0	2.41e-05
870	68	-0.07	0.56	-0.08	-1.99e-04	0.0	1.03e-05
870	123	-4.21	1.40	-0.09	-4.53e-04	0.0	2.47e-05
870	137	0.60	4.68	0.04	-1.52e-03	0.0	1.71e-05
870	144	-0.80	-4.21	-0.17	1.36e-03	0.0	4.44e-05
870	155	-4.73	1.58	-0.09	-5.10e-04	0.0	2.62e-05
870	169	0.68	5.28	0.05	-1.72e-03	0.0	1.77e-05
870	176	-0.89	-4.77	-0.18	1.54e-03	0.0	4.80e-05
870	187	-4.65	1.63	-0.09	-5.27e-04	0.0	2.71e-05
870	201	0.66	5.42	0.06	-1.76e-03	0.0	2.01e-05
870	208	-0.87	-4.90	-0.19	1.58e-03	0.0	4.50e-05
870	219	-5.40	1.95	-0.09	-6.29e-04	0.0	3.03e-05
870	233	0.78	6.44	0.08	-2.09e-03	0.0	2.22e-05
870	240	-1.01	-5.84	-0.21	1.89e-03	0.0	4.93e-05
870	256	-0.26	0.07	-0.08	-3.43e-05	0.0	1.87e-05
870	264	-0.39	0.07	-0.07	-3.13e-05	0.0	1.67e-05
870	276	-0.05	0.37	-0.06	-1.34e-04	0.0	7.50e-06
870	298	-0.05	0.05	-0.07	-2.53e-05	0.0	1.44e-05
870	305	-0.11	0.05	-0.06	-2.47e-05	0.0	1.39e-05
870	307	-0.04	0.11	-0.06	-4.52e-05	0.0	1.21e-05
870	310	-0.04	0.04	-0.06	-2.37e-05	0.0	1.35e-05
871	28	-0.41	0.13	-0.16	-2.05e-04	5.76e-06	9.61e-06
871	44	-0.63	0.12	-0.15	-1.74e-04	-1.23e-06	1.15e-05
871	68	-0.06	0.65	-0.12	-3.09e-04	2.70e-05	1.69e-06
871	123	-4.73	1.61	-0.12	-4.96e-04	-6.38e-05	3.43e-05
871	137	0.67	5.36	0.03	-1.77e-03	1.63e-04	-8.43e-06
871	144	-0.88	-4.82	-0.21	1.45e-03	-1.51e-04	5.01e-05
871	155	-5.31	1.81	-0.13	-5.48e-04	-7.24e-05	3.85e-05
871	169	0.76	6.06	0.04	-1.99e-03	1.83e-04	-9.93e-06
871	176	-0.98	-5.46	-0.23	1.66e-03	-1.72e-04	5.61e-05

871	187	-5.23	1.87	-0.12	-5.65e-04	-6.90e-05	4.07e-05
871	201	0.74	6.21	0.05	-2.04e-03	1.88e-04	-9.36e-06
871	208	-0.96	-5.61	-0.23	1.70e-03	-1.76e-04	5.51e-05
871	219	-6.07	2.24	-0.13	-6.60e-04	-7.97e-05	4.88e-05
871	233	0.87	7.38	0.07	-2.40e-03	2.21e-04	-1.15e-05
871	240	-1.11	-6.68	-0.26	2.05e-03	-2.10e-04	6.42e-05
871	256	-0.28	0.09	-0.12	-1.42e-04	4.46e-06	6.54e-06
871	264	-0.42	0.08	-0.11	-1.21e-04	0.0	7.79e-06
871	276	-0.04	0.43	-0.09	-2.11e-04	1.86e-05	1.26e-06
871	298	-0.04	0.06	-0.10	-1.15e-04	8.24e-06	3.04e-06
871	305	-0.12	0.06	-0.09	-1.08e-04	6.05e-06	3.77e-06
871	307	-0.04	0.13	-0.09	-1.26e-04	9.81e-06	2.46e-06
871	310	-0.04	0.05	-0.09	-1.08e-04	7.96e-06	2.84e-06
872	44	-0.59	0.08	-0.08	-5.72e-05	0.0	3.44e-05
872	68	-0.08	0.55	-0.05	-2.09e-04	0.0	1.24e-05
872	123	-4.27	1.40	-0.08	-3.64e-04	0.0	-7.24e-05
872	137	0.60	4.71	0.16	-1.47e-03	0.0	-7.89e-05
872	144	-0.81	-4.25	-0.26	1.31e-03	0.0	1.62e-04
872	155	-4.79	1.58	-0.08	-4.08e-04	0.0	-8.42e-05
872	169	0.68	5.32	0.19	-1.65e-03	0.0	-9.26e-05
872	176	-0.91	-4.81	-0.29	1.49e-03	0.0	1.80e-04
872	187	-4.71	1.63	-0.08	-4.23e-04	0.0	-8.19e-05
872	201	0.67	5.45	0.20	-1.70e-03	0.0	-9.68e-05
872	208	-0.89	-4.94	-0.29	1.53e-03	0.0	1.83e-04
872	219	-5.47	1.95	-0.08	-5.03e-04	0.0	-9.93e-05
872	233	0.79	6.48	0.24	-2.01e-03	0.0	-1.20e-04
872	240	-1.03	-5.89	-0.34	1.82e-03	0.0	2.13e-04
872	264	-0.40	0.06	-0.06	-3.96e-05	0.0	2.39e-05
872	276	-0.06	0.37	-0.04	-1.41e-04	0.0	9.27e-06
872	305	-0.12	0.04	-0.05	-3.39e-05	0.0	2.28e-05
872	307	-0.05	0.10	-0.04	-5.42e-05	0.0	1.98e-05
872	310	-0.05	0.03	-0.05	-3.34e-05	0.0	2.30e-05
873	28	-0.41	0.12	-0.11	-2.04e-04	-3.61e-05	8.46e-06
873	44	-0.63	0.11	-0.11	-1.69e-04	-3.81e-05	1.06e-05
873	68	-0.06	0.65	-0.07	-3.01e-04	-2.06e-06	0.0
873	123	-4.73	1.58	-0.09	-4.20e-04	-1.41e-04	3.23e-05
873	137	0.67	5.34	0.18	-1.59e-03	1.92e-04	-5.05e-06
873	144	-0.88	-4.80	-0.31	1.29e-03	-2.23e-04	4.58e-05
873	155	-5.31	1.79	-0.09	-4.61e-04	-1.57e-04	3.64e-05
873	169	0.76	6.04	0.21	-1.78e-03	2.19e-04	-5.99e-06
873	176	-0.98	-5.44	-0.34	1.48e-03	-2.50e-04	5.13e-05
873	187	-5.23	1.84	-0.09	-4.77e-04	-1.52e-04	3.85e-05
873	201	0.74	6.19	0.22	-1.83e-03	2.24e-04	-4.99e-06
873	208	-0.96	-5.59	-0.34	1.52e-03	-2.55e-04	4.99e-05
873	219	-6.07	2.20	-0.09	-5.55e-04	-1.72e-04	4.63e-05
873	233	0.87	7.35	0.27	-2.16e-03	2.68e-04	-6.10e-06
873	240	-1.11	-6.66	-0.40	1.83e-03	-3.00e-04	5.79e-05
873	256	-0.28	0.08	-0.08	-1.41e-04	-2.40e-05	5.75e-06
873	264	-0.42	0.08	-0.08	-1.18e-04	-2.53e-05	7.15e-06
873	276	-0.04	0.43	-0.05	-2.06e-04	-1.33e-06	0.0
873	305	-0.12	0.06	-0.07	-1.09e-04	-1.43e-05	3.16e-06
873	307	-0.04	0.13	-0.06	-1.26e-04	-9.51e-06	1.71e-06
873	310	-0.04	0.05	-0.06	-1.10e-04	-1.16e-05	2.22e-06
874	47	-0.06	-5.13e-03	-0.03	0.0	-1.26e-04	1.59e-05
874	71	4.40e-04	0.09	-0.03	0.0	0.0	1.73e-06
874	76	3.13e-04	-0.03	-0.05	0.0	0.0	3.85e-06
874	113	0.71	-0.08	-0.02	0.0	1.47e-03	-1.47e-04
874	138	0.08	-0.69	-0.04	0.0	1.68e-04	-1.64e-05
874	140	-0.30	-0.56	-0.05	0.0	-6.37e-04	6.68e-05
874	145	0.80	-0.09	-0.02	0.0	1.66e-03	-1.65e-04
874	170	0.09	-0.78	-0.05	0.0	1.88e-04	-1.85e-05
874	172	-0.34	-0.63	-0.05	0.0	-7.17e-04	7.49e-05
874	177	0.79	-0.08	-0.02	0.0	1.64e-03	-1.63e-04
874	202	0.09	-0.80	-0.05	0.0	1.77e-04	-1.72e-05
874	204	-0.34	-0.65	-0.05	0.0	-7.14e-04	7.47e-05
874	209	0.92	-0.09	-0.02	0.0	1.92e-03	-1.91e-04
874	234	0.10	-0.94	-0.05	0.0	2.02e-04	-1.99e-05
874	236	-0.40	-0.77	-0.05	0.0	-8.39e-04	8.74e-05
874	263	-0.04	-3.54e-03	-0.03	0.0	-8.41e-05	1.12e-05
874	275	3.98e-04	0.06	-0.03	0.0	0.0	1.77e-06
874	280	2.70e-04	-0.02	-0.04	0.0	0.0	2.70e-06
874	298	2.80e-04	-1.16e-04	-0.03	0.0	0.0	2.22e-06
874	305	-7.71e-03	-8.19e-04	-0.03	0.0	-1.70e-05	3.93e-06
874	307	3.15e-04	0.01	-0.03	0.0	0.0	2.05e-06
874	309	3.57e-04	-2.46e-04	-0.02	0.0	0.0	1.62e-06

874	310	2.91e-04	-1.35e-04	-0.03	0.0	0.0	2.14e-06
875	1	0.0	0.0	0.0	0.0	3.73e-05	0.0
875	113	0.0	0.0	0.0	0.0	1.45e-03	-1.54e-05
875	145	0.0	0.0	0.0	0.0	1.63e-03	-1.74e-05
875	177	0.0	0.0	0.0	0.0	1.61e-03	-1.72e-05
875	209	0.0	0.0	0.0	0.0	1.88e-03	-2.02e-05
875	241	0.0	0.0	0.0	0.0	2.50e-05	0.0
875	297	0.0	0.0	0.0	0.0	0.0	0.0
875	309	0.0	0.0	0.0	0.0	0.0	0.0
876	43	-0.12	-8.72e-03	-0.08	0.0	-1.32e-04	2.90e-05
876	67	6.32e-04	0.18	-0.07	0.0	0.0	4.74e-06
876	76	-4.89e-05	-0.05	-0.09	0.0	-2.51e-06	7.18e-06
876	113	1.45	-0.16	-0.04	0.0	1.55e-03	-2.91e-04
876	139	-0.17	1.39	-0.02	0.0	-1.75e-04	4.17e-05
876	140	-0.63	-1.12	-0.09	0.0	-6.72e-04	1.31e-04
876	145	1.63	-0.18	-0.03	0.0	1.74e-03	-3.27e-04
876	171	-0.19	1.57	-0.02	0.0	-1.95e-04	4.60e-05
876	172	-0.70	-1.27	-0.09	0.0	-7.56e-04	1.47e-04
876	177	1.61	-0.16	-0.03	0.0	1.72e-03	-3.23e-04
876	203	-0.18	1.61	-0.02	0.0	-1.84e-04	4.35e-05
876	204	-0.70	-1.31	-0.09	0.0	-7.54e-04	1.47e-04
876	209	1.89	-0.18	-0.03	0.0	2.01e-03	-3.78e-04
876	235	-0.20	1.91	-7.98e-03	0.0	-2.09e-04	4.91e-05
876	236	-0.82	-1.56	-0.10	0.0	-8.85e-04	1.72e-04
876	263	-0.08	-5.79e-03	-0.06	0.0	-8.83e-05	1.96e-05
876	275	5.25e-04	0.12	-0.05	0.0	0.0	3.42e-06
876	280	7.16e-05	-0.03	-0.07	0.0	-1.66e-06	5.04e-06
876	298	1.83e-04	1.17e-03	-0.05	0.0	-1.24e-06	4.18e-06
876	305	-0.02	-3.60e-04	-0.05	0.0	-1.86e-05	7.10e-06
876	307	2.89e-04	0.03	-0.05	0.0	-1.01e-06	3.87e-06
876	309	4.46e-04	2.07e-04	-0.04	0.0	0.0	3.07e-06
876	310	2.21e-04	1.03e-03	-0.05	0.0	-1.15e-06	4.02e-06
877	43	-0.19	-0.01	-0.11	0.0	-1.40e-04	3.47e-05
877	67	1.00e-04	0.27	-0.10	0.0	-2.37e-06	7.15e-06
877	76	-1.52e-03	-0.07	-0.13	0.0	-4.88e-06	1.03e-05
877	116	-2.26	0.25	-0.10	0.0	-1.63e-03	3.34e-04
877	139	-0.26	2.10	-0.02	0.0	-1.82e-04	5.10e-05
877	140	-0.98	-1.69	-0.13	0.0	-7.10e-04	1.46e-04
877	148	-2.54	0.28	-0.10	0.0	-1.83e-03	3.74e-04
877	171	-0.29	2.38	-0.02	0.0	-2.02e-04	5.63e-05
877	172	-1.10	-1.92	-0.14	0.0	-7.99e-04	1.63e-04
877	180	-2.51	0.25	-0.10	0.0	-1.81e-03	3.69e-04
877	203	-0.27	2.42	-0.02	0.0	-1.90e-04	5.36e-05
877	204	-1.10	-1.97	-0.14	0.0	-7.97e-04	1.63e-04
877	212	-2.94	0.27	-0.11	0.0	-2.12e-03	4.30e-04
877	235	-0.31	2.88	-4.87e-03	0.0	-2.16e-04	6.05e-05
877	236	-1.29	-2.35	-0.15	0.0	-9.35e-04	1.90e-04
877	263	-0.13	-6.85e-03	-0.08	0.0	-9.35e-05	2.36e-05
877	275	1.78e-04	0.18	-0.07	0.0	-1.65e-06	5.16e-06
877	280	-9.04e-04	-0.05	-0.09	0.0	-3.32e-06	7.26e-06
877	298	-5.46e-04	3.72e-03	-0.08	0.0	-2.62e-06	6.09e-06
877	305	-0.03	1.27e-03	-0.07	0.0	-2.07e-05	9.37e-06
877	307	-3.13e-04	0.04	-0.07	0.0	-2.29e-06	5.69e-06
877	310	-4.58e-04	3.38e-03	-0.07	0.0	-2.48e-06	5.87e-06
878	43	-0.07	-4.84e-03	-0.04	0.0	-1.37e-04	1.08e-05
878	71	-4.98e-04	0.09	-0.03	0.0	-1.40e-06	1.43e-06
878	76	-1.70e-03	-0.03	-0.04	0.0	-4.20e-06	2.92e-06
878	116	-0.78	0.08	-0.03	0.0	-1.57e-03	8.70e-05
878	139	-0.09	0.69	-0.02	0.0	-1.86e-04	1.42e-05
878	140	-0.34	-0.56	-0.04	0.0	-6.79e-04	3.77e-05
878	148	-0.88	0.09	-0.03	0.0	-1.77e-03	9.75e-05
878	171	-0.10	0.78	-0.01	0.0	-2.07e-04	1.56e-05
878	172	-0.38	-0.63	-0.04	0.0	-7.64e-04	4.22e-05
878	180	-0.87	0.08	-0.03	0.0	-1.75e-03	9.59e-05
878	203	-0.10	0.80	-0.01	0.0	-1.96e-04	1.50e-05
878	204	-0.38	-0.65	-0.04	0.0	-7.61e-04	4.19e-05
878	212	-1.02	0.09	-0.03	0.0	-2.04e-03	1.12e-04
878	235	-0.11	0.95	-0.01	0.0	-2.23e-04	1.70e-05
878	236	-0.44	-0.78	-0.04	0.0	-8.93e-04	4.88e-05
878	263	-0.05	-3.22e-03	-0.03	0.0	-9.15e-05	7.30e-06
878	275	-5.58e-04	0.06	-0.02	0.0	-1.52e-06	1.44e-06
878	280	-1.14e-03	-0.02	-0.03	0.0	-2.85e-06	2.06e-06
878	298	-8.92e-04	2.29e-04	-0.03	0.0	-2.26e-06	1.72e-06
878	305	-9.69e-03	-5.00e-04	-0.02	0.0	-2.00e-05	2.77e-06
878	307	-7.70e-04	0.01	-0.02	0.0	-1.99e-06	1.60e-06

878	310	-8.37e-04	1.89e-04	-0.02	0.0	-2.14e-06	1.66e-06
879	1	0.0	0.0	0.0	0.0	3.82e-05	0.0
879	113	0.0	0.0	0.0	0.0	1.56e-03	-8.20e-06
879	145	0.0	0.0	0.0	0.0	1.76e-03	-9.25e-06
879	177	0.0	0.0	0.0	0.0	1.74e-03	-9.06e-06
879	209	0.0	0.0	0.0	0.0	2.04e-03	-1.06e-05
879	241	0.0	0.0	0.0	0.0	2.54e-05	0.0
879	297	0.0	0.0	0.0	0.0	-1.22e-06	0.0
879	309	0.0	0.0	0.0	0.0	-1.22e-06	0.0
880	43	-0.14	-8.00e-03	-0.07	0.0	-1.39e-04	1.83e-05
880	67	-1.91e-03	0.18	-0.07	0.0	-2.85e-06	3.73e-06
880	76	-3.79e-03	-0.05	-0.09	0.0	-5.13e-06	5.33e-06
880	116	-1.57	0.17	-0.06	0.0	-1.57e-03	1.27e-04
880	139	-0.19	1.39	-0.03	0.0	-1.85e-04	2.41e-05
880	140	-0.68	-1.12	-0.07	0.0	-6.80e-04	6.00e-05
880	148	-1.77	0.18	-0.06	0.0	-1.77e-03	1.42e-04
880	171	-0.21	1.58	-0.03	0.0	-2.06e-04	2.66e-05
880	172	-0.76	-1.27	-0.07	0.0	-7.65e-04	6.70e-05
880	180	-1.75	0.16	-0.06	0.0	-1.75e-03	1.39e-04
880	203	-0.20	1.61	-0.03	0.0	-1.95e-04	2.58e-05
880	204	-0.76	-1.31	-0.07	0.0	-7.63e-04	6.62e-05
880	212	-2.05	0.18	-0.06	0.0	-2.05e-03	1.62e-04
880	235	-0.22	1.91	-0.02	0.0	-2.22e-04	2.93e-05
880	236	-0.89	-1.56	-0.08	0.0	-8.95e-04	7.70e-05
880	263	-0.09	-5.29e-03	-0.05	0.0	-9.28e-05	1.24e-05
880	275	-1.31e-03	0.12	-0.05	0.0	-1.99e-06	2.69e-06
880	280	-2.56e-03	-0.03	-0.06	0.0	-3.51e-06	3.76e-06
880	298	-2.02e-03	1.68e-03	-0.05	0.0	-2.81e-06	3.16e-06
880	305	-0.02	1.20e-04	-0.05	0.0	-2.07e-05	4.89e-06
880	307	-1.76e-03	0.03	-0.05	0.0	-2.50e-06	2.95e-06
880	310	-1.90e-03	1.51e-03	-0.05	0.0	-2.67e-06	3.04e-06
881	43	-0.21	-9.67e-03	-0.11	0.0	-1.41e-04	2.20e-05
881	67	-3.49e-03	0.27	-0.10	0.0	-3.76e-06	5.20e-06
881	76	-6.58e-03	-0.07	-0.13	0.0	-6.42e-06	7.16e-06
881	116	-2.36	0.25	-0.09	0.0	-1.56e-03	1.07e-04
881	139	-0.28	2.10	-0.05	0.0	-1.83e-04	5.40e-05
881	140	-1.02	-1.69	-0.10	0.0	-6.77e-04	2.14e-05
881	148	-2.65	0.28	-0.09	0.0	-1.76e-03	1.19e-04
881	171	-0.31	2.38	-0.04	0.0	-2.04e-04	6.00e-05
881	172	-1.15	-1.92	-0.11	0.0	-7.62e-04	2.35e-05
881	180	-2.63	0.25	-0.09	0.0	-1.74e-03	1.16e-04
881	203	-0.29	2.43	-0.04	0.0	-1.92e-04	5.83e-05
881	204	-1.14	-1.97	-0.11	0.0	-7.60e-04	2.35e-05
881	212	-3.07	0.27	-0.09	0.0	-2.03e-03	1.35e-04
881	235	-0.33	2.88	-0.04	0.0	-2.19e-04	6.70e-05
881	236	-1.34	-2.35	-0.11	0.0	-8.92e-04	2.68e-05
881	263	-0.14	-6.34e-03	-0.08	0.0	-9.44e-05	1.49e-05
881	275	-2.42e-03	0.18	-0.07	0.0	-2.65e-06	3.75e-06
881	280	-4.48e-03	-0.05	-0.09	0.0	-4.42e-06	5.06e-06
881	298	-3.56e-03	4.24e-03	-0.08	0.0	-3.58e-06	4.27e-06
881	305	-0.03	1.76e-03	-0.07	0.0	-2.16e-05	6.24e-06
881	307	-3.13e-03	0.04	-0.07	0.0	-3.22e-06	4.01e-06
881	310	-3.36e-03	3.87e-03	-0.07	0.0	-3.41e-06	4.11e-06
882	44	-0.07	-4.56e-03	-0.04	0.0	-1.44e-04	6.06e-06
882	67	-1.76e-03	0.09	-0.04	0.0	-3.86e-06	1.41e-06
882	76	-3.01e-03	-0.03	-0.05	0.0	-6.44e-06	1.91e-06
882	116	-0.81	0.08	-0.03	0.0	-1.60e-03	2.02e-05
882	139	-0.10	0.69	-0.02	0.0	-1.96e-04	1.35e-05
882	140	-0.35	-0.56	-0.03	0.0	-6.88e-04	2.56e-06
882	148	-0.91	0.09	-0.03	0.0	-1.80e-03	2.25e-05
882	171	-0.11	0.78	-0.02	0.0	-2.18e-04	1.50e-05
882	172	-0.39	-0.63	-0.03	0.0	-7.74e-04	2.73e-06
882	180	-0.90	0.08	-0.03	0.0	-1.78e-03	2.16e-05
882	203	-0.10	0.80	-0.02	0.0	-2.07e-04	1.44e-05
882	204	-0.39	-0.65	-0.03	0.0	-7.71e-04	2.82e-06
882	212	-1.05	0.09	-0.03	0.0	-2.08e-03	2.49e-05
882	235	-0.12	0.95	-0.02	0.0	-2.35e-04	1.65e-05
882	236	-0.46	-0.78	-0.03	0.0	-9.05e-04	3.16e-06
882	264	-0.05	-3.03e-03	-0.03	0.0	-9.62e-05	4.12e-06
882	275	-1.24e-03	0.06	-0.03	0.0	-2.71e-06	1.01e-06
882	280	-2.07e-03	-0.02	-0.03	0.0	-4.43e-06	1.35e-06
882	298	-1.68e-03	5.95e-04	-0.03	0.0	-3.60e-06	1.14e-06
882	305	-0.01	-1.59e-04	-0.03	0.0	-2.19e-05	1.68e-06
882	307	-1.51e-03	0.01	-0.03	0.0	-3.24e-06	1.07e-06
882	310	-1.59e-03	5.32e-04	-0.03	0.0	-3.42e-06	1.09e-06

883	1	0.0	0.0	0.0	0.0	3.85e-05	0.0
883	113	0.0	0.0	0.0	0.0	1.60e-03	-2.13e-06
883	145	0.0	0.0	0.0	0.0	1.80e-03	-2.41e-06
883	177	0.0	0.0	0.0	0.0	1.78e-03	-2.30e-06
883	209	0.0	0.0	0.0	0.0	2.08e-03	-2.71e-06
883	241	0.0	0.0	0.0	0.0	2.55e-05	0.0
883	297	0.0	0.0	0.0	0.0	-2.29e-06	0.0
883	309	0.0	0.0	0.0	0.0	-2.29e-06	0.0
884	44	-0.14	-7.58e-03	-0.08	0.0	-1.44e-04	1.09e-05
884	67	-3.69e-03	0.18	-0.08	0.0	-4.26e-06	2.63e-06
884	76	-6.24e-03	-0.05	-0.09	0.0	-6.92e-06	3.51e-06
884	116	-1.61	0.17	-0.06	0.0	-1.57e-03	2.73e-05
884	139	-0.20	1.40	-0.04	0.0	-1.93e-04	2.47e-05
884	140	-0.69	-1.12	-0.06	0.0	-6.78e-04	0.0
884	148	-1.81	0.18	-0.06	0.0	-1.77e-03	3.02e-05
884	171	-0.22	1.58	-0.04	0.0	-2.15e-04	2.74e-05
884	172	-0.78	-1.27	-0.06	0.0	-7.63e-04	0.0
884	180	-1.79	0.16	-0.06	0.0	-1.75e-03	2.84e-05
884	203	-0.21	1.61	-0.04	0.0	-2.03e-04	2.63e-05
884	204	-0.78	-1.31	-0.06	0.0	-7.60e-04	0.0
884	212	-2.09	0.18	-0.06	0.0	-2.05e-03	3.24e-05
884	235	-0.24	1.91	-0.04	0.0	-2.32e-04	3.02e-05
884	236	-0.91	-1.56	-0.07	0.0	-8.92e-04	0.0
884	264	-0.10	-5.00e-03	-0.06	0.0	-9.64e-05	7.42e-06
884	275	-2.59e-03	0.12	-0.05	0.0	-3.00e-06	1.89e-06
884	280	-4.29e-03	-0.03	-0.06	0.0	-4.78e-06	2.48e-06
884	298	-3.48e-03	2.25e-03	-0.05	0.0	-3.89e-06	2.09e-06
884	305	-0.02	6.56e-04	-0.05	0.0	-2.22e-05	3.06e-06
884	307	-3.13e-03	0.03	-0.05	0.0	-3.52e-06	1.97e-06
884	310	-3.31e-03	2.05e-03	-0.05	0.0	-3.70e-06	2.01e-06
885	44	-0.22	-9.27e-03	-0.12	0.0	-1.45e-04	1.44e-05
885	67	-5.92e-03	0.27	-0.12	0.0	-4.80e-06	3.64e-06
885	76	-9.82e-03	-0.07	-0.14	0.0	-7.59e-06	4.73e-06
885	116	-2.39	0.25	-0.09	0.0	-1.54e-03	2.41e-05
885	139	-0.29	2.10	-0.06	0.0	-1.89e-04	3.41e-05
885	140	-1.03	-1.69	-0.09	0.0	-6.66e-04	-6.65e-06
885	148	-2.68	0.28	-0.09	0.0	-1.74e-03	2.64e-05
885	171	-0.33	2.38	-0.06	0.0	-2.10e-04	3.79e-05
885	172	-1.16	-1.92	-0.10	0.0	-7.49e-04	-7.89e-06
885	180	-2.65	0.25	-0.09	0.0	-1.72e-03	2.37e-05
885	203	-0.31	2.43	-0.06	0.0	-1.99e-04	3.65e-05
885	204	-1.15	-1.98	-0.10	0.0	-7.47e-04	-7.88e-06
885	212	-3.11	0.27	-0.09	0.0	-2.01e-03	2.65e-05
885	235	-0.35	2.88	-0.06	0.0	-2.27e-04	4.21e-05
885	236	-1.35	-2.35	-0.10	0.0	-8.76e-04	-9.71e-06
885	264	-0.14	-6.06e-03	-0.09	0.0	-9.67e-05	9.81e-06
885	275	-4.17e-03	0.18	-0.08	0.0	-3.38e-06	2.61e-06
885	280	-6.77e-03	-0.05	-0.10	0.0	-5.25e-06	3.34e-06
885	298	-5.50e-03	4.86e-03	-0.08	0.0	-4.28e-06	2.82e-06
885	305	-0.03	2.34e-03	-0.08	0.0	-2.25e-05	4.08e-06
885	307	-4.96e-03	0.04	-0.08	0.0	-3.90e-06	2.66e-06
885	310	-5.23e-03	4.46e-03	-0.08	0.0	-4.08e-06	2.71e-06
886	44	-0.07	-3.95e-03	-0.04	0.0	-1.49e-04	3.69e-06
886	67	-2.40e-03	0.09	-0.04	0.0	-5.04e-06	1.17e-06
886	76	-3.84e-03	-0.02	-0.05	0.0	-7.92e-06	1.45e-06
886	116	-0.81	0.08	-0.03	0.0	-1.59e-03	6.53e-06
886	139	-0.10	0.70	-0.02	0.0	-2.03e-04	1.36e-05
886	140	-0.35	-0.56	-0.03	0.0	-6.82e-04	-4.62e-06
886	148	-0.91	0.09	-0.03	0.0	-1.79e-03	7.16e-06
886	171	-0.11	0.79	-0.02	0.0	-2.26e-04	1.51e-05
886	172	-0.39	-0.63	-0.03	0.0	-7.68e-04	-5.33e-06
886	180	-0.90	0.08	-0.03	0.0	-1.77e-03	6.56e-06
886	203	-0.11	0.80	-0.02	0.0	-2.14e-04	1.49e-05
886	204	-0.39	-0.65	-0.03	0.0	-7.65e-04	-5.36e-06
886	212	-1.05	0.09	-0.03	0.0	-2.07e-03	7.33e-06
886	235	-0.12	0.95	-0.02	0.0	-2.44e-04	1.74e-05
886	236	-0.45	-0.78	-0.03	0.0	-8.97e-04	-6.48e-06
886	264	-0.05	-2.60e-03	-0.03	0.0	-9.93e-05	2.51e-06
886	275	-1.70e-03	0.06	-0.03	0.0	-3.56e-06	0.0
886	280	-2.65e-03	-0.02	-0.03	0.0	-5.48e-06	1.01e-06
886	298	-2.17e-03	1.00e-03	-0.03	0.0	-4.48e-06	0.0
886	305	-0.01	2.22e-04	-0.03	0.0	-2.32e-05	1.14e-06
886	307	-1.97e-03	0.01	-0.03	0.0	-4.08e-06	0.0
886	310	-2.07e-03	9.15e-04	-0.03	0.0	-4.26e-06	0.0
887	1	0.0	0.0	0.0	0.0	3.86e-05	0.0

887	113	0.0	0.0	0.0	0.0	1.59e-03	0.0
887	145	0.0	0.0	0.0	0.0	1.79e-03	0.0
887	177	0.0	0.0	0.0	0.0	1.77e-03	0.0
887	209	0.0	0.0	0.0	0.0	2.07e-03	0.0
887	241	0.0	0.0	0.0	0.0	2.55e-05	0.0
887	297	0.0	0.0	0.0	0.0	-2.94e-06	0.0
887	309	0.0	0.0	0.0	0.0	-2.94e-06	0.0
888	44	-0.15	-6.64e-03	-0.08	0.0	-1.48e-04	7.10e-06
888	67	-4.91e-03	0.18	-0.08	0.0	-5.31e-06	2.20e-06
888	76	-7.79e-03	-0.05	-0.10	0.0	-8.21e-06	2.70e-06
888	116	-1.60	0.17	-0.06	0.0	-1.57e-03	1.17e-05
888	139	-0.20	1.40	-0.05	0.0	-2.00e-04	2.69e-05
888	140	-0.69	-1.12	-0.06	0.0	-6.72e-04	-9.91e-06
888	148	-1.80	0.19	-0.06	0.0	-1.76e-03	1.28e-05
888	171	-0.23	1.58	-0.05	0.0	-2.22e-04	3.01e-05
888	172	-0.77	-1.27	-0.06	0.0	-7.56e-04	-1.14e-05
888	180	-1.78	0.17	-0.06	0.0	-1.74e-03	1.15e-05
888	203	-0.22	1.61	-0.05	0.0	-2.11e-04	2.96e-05
888	204	-0.77	-1.31	-0.06	0.0	-7.53e-04	-1.15e-05
888	212	-2.08	0.18	-0.06	0.0	-2.04e-03	1.28e-05
888	235	-0.25	1.91	-0.05	0.0	-2.40e-04	3.45e-05
888	236	-0.90	-1.56	-0.06	0.0	-8.83e-04	-1.38e-05
888	264	-0.10	-4.35e-03	-0.06	0.0	-9.91e-05	4.83e-06
888	275	-3.47e-03	0.12	-0.06	0.0	-3.75e-06	1.56e-06
888	280	-5.39e-03	-0.03	-0.07	0.0	-5.68e-06	1.89e-06
888	298	-4.41e-03	2.88e-03	-0.06	0.0	-4.64e-06	1.58e-06
888	305	-0.02	1.24e-03	-0.05	0.0	-2.33e-05	2.14e-06
888	307	-4.01e-03	0.03	-0.05	0.0	-4.24e-06	1.50e-06
888	310	-4.20e-03	2.64e-03	-0.05	0.0	-4.42e-06	1.51e-06
889	44	-0.22	-8.26e-03	-0.13	0.0	-1.48e-04	1.03e-05
889	67	-7.63e-03	0.27	-0.12	0.0	-5.69e-06	3.07e-06
889	76	-0.01	-0.07	-0.15	0.0	-8.61e-06	3.72e-06
889	116	-2.38	0.25	-0.09	0.0	-1.53e-03	1.43e-05
889	139	-0.30	2.11	-0.07	0.0	-1.95e-04	3.83e-05
889	140	-1.02	-1.69	-0.09	0.0	-6.58e-04	-1.54e-05
889	148	-2.67	0.28	-0.09	0.0	-1.72e-03	1.55e-05
889	171	-0.34	2.38	-0.07	0.0	-2.17e-04	4.29e-05
889	172	-1.15	-1.92	-0.09	0.0	-7.40e-04	-1.77e-05
889	180	-2.64	0.25	-0.09	0.0	-1.70e-03	1.36e-05
889	203	-0.32	2.43	-0.07	0.0	-2.06e-04	4.22e-05
889	204	-1.14	-1.98	-0.09	0.0	-7.37e-04	-1.78e-05
889	212	-3.09	0.27	-0.09	0.0	-1.99e-03	1.50e-05
889	235	-0.37	2.88	-0.07	0.0	-2.35e-04	4.92e-05
889	236	-1.34	-2.36	-0.09	0.0	-8.65e-04	-2.14e-05
889	264	-0.15	-5.36e-03	-0.09	0.0	-9.90e-05	6.97e-06
889	275	-5.39e-03	0.18	-0.09	0.0	-4.01e-06	2.17e-06
889	280	-8.27e-03	-0.04	-0.10	0.0	-5.95e-06	2.61e-06
889	298	-6.76e-03	5.53e-03	-0.09	0.0	-4.87e-06	2.18e-06
889	305	-0.03	2.97e-03	-0.08	0.0	-2.34e-05	3.01e-06
889	307	-6.16e-03	0.04	-0.08	0.0	-4.46e-06	2.07e-06
889	310	-6.44e-03	5.09e-03	-0.08	0.0	-4.63e-06	2.07e-06
890	44	-0.08	-3.31e-03	-0.04	0.0	-1.52e-04	3.03e-06
890	67	-3.05e-03	0.09	-0.04	0.0	-6.24e-06	1.58e-06
890	76	-4.60e-03	-0.02	-0.05	0.0	-9.33e-06	1.84e-06
890	116	-0.79	0.08	-0.03	0.0	-1.57e-03	-2.71e-05
890	138	0.10	-0.69	-0.03	0.0	1.98e-04	-3.66e-06
890	139	-0.11	0.70	-0.03	0.0	-2.08e-04	5.65e-06
890	148	-0.89	0.09	-0.03	0.0	-1.77e-03	-3.06e-05
890	170	0.11	-0.78	-0.03	0.0	2.21e-04	-4.29e-06
890	171	-0.12	0.79	-0.03	0.0	-2.31e-04	6.28e-06
890	180	-0.88	0.08	-0.03	0.0	-1.74e-03	-3.05e-05
890	202	0.11	-0.80	-0.03	0.0	2.10e-04	-4.41e-06
890	203	-0.11	0.80	-0.03	0.0	-2.20e-04	6.40e-06
890	212	-1.03	0.09	-0.03	0.0	-2.04e-03	-3.61e-05
890	234	0.12	-0.95	-0.03	0.0	2.41e-04	-5.47e-06
890	235	-0.13	0.95	-0.03	0.0	-2.51e-04	7.46e-06
890	264	-0.05	-2.16e-03	-0.03	0.0	-1.02e-04	2.07e-06
890	275	-2.15e-03	0.06	-0.03	0.0	-4.40e-06	1.10e-06
890	280	-3.19e-03	-0.02	-0.03	0.0	-6.46e-06	1.28e-06
890	298	-2.61e-03	1.42e-03	-0.03	0.0	-5.29e-06	1.05e-06
890	305	-0.01	6.18e-04	-0.03	0.0	-2.43e-05	1.18e-06
890	307	-2.39e-03	0.01	-0.03	0.0	-4.85e-06	1.00e-06
890	310	-2.49e-03	1.31e-03	-0.03	0.0	-5.03e-06	0.0
891	1	0.0	0.0	0.0	0.0	3.84e-05	0.0
891	113	0.0	0.0	0.0	0.0	1.57e-03	3.56e-06

891	145	0.0	0.0	0.0	0.0	1.76e-03	3.98e-06
891	177	0.0	0.0	0.0	0.0	1.74e-03	3.97e-06
891	209	0.0	0.0	0.0	0.0	2.04e-03	4.64e-06
891	241	0.0	0.0	0.0	0.0	2.54e-05	0.0
891	297	0.0	0.0	0.0	0.0	-3.48e-06	0.0
891	309	0.0	0.0	0.0	0.0	-3.48e-06	0.0
892	44	-0.15	-5.67e-03	-0.09	0.0	-1.52e-04	5.92e-06
892	67	-6.15e-03	0.18	-0.08	0.0	-6.37e-06	2.91e-06
892	76	-9.25e-03	-0.05	-0.10	0.0	-9.44e-06	3.41e-06
892	116	-1.58	0.17	-0.06	0.0	-1.55e-03	-5.20e-05
892	138	0.20	-1.39	-0.06	0.0	1.95e-04	-8.20e-06
892	139	-0.21	1.40	-0.05	0.0	-2.05e-04	1.19e-05
892	148	-1.78	0.19	-0.06	0.0	-1.74e-03	-5.87e-05
892	170	0.22	-1.57	-0.06	0.0	2.18e-04	-9.54e-06
892	171	-0.23	1.58	-0.05	0.0	-2.28e-04	1.32e-05
892	180	-1.76	0.17	-0.06	0.0	-1.72e-03	-5.85e-05
892	202	0.21	-1.61	-0.06	0.0	2.07e-04	-9.76e-06
892	203	-0.22	1.61	-0.05	0.0	-2.17e-04	1.34e-05
892	212	-2.05	0.18	-0.06	0.0	-2.01e-03	-6.93e-05
892	234	0.24	-1.91	-0.06	0.0	2.37e-04	-1.20e-05
892	235	-0.25	1.92	-0.05	0.0	-2.48e-04	1.57e-05
892	264	-0.10	-3.68e-03	-0.06	0.0	-1.01e-04	4.04e-06
892	275	-4.34e-03	0.12	-0.06	0.0	-4.49e-06	2.03e-06
892	280	-6.41e-03	-0.03	-0.07	0.0	-6.53e-06	2.36e-06
892	298	-5.25e-03	3.52e-03	-0.06	0.0	-5.35e-06	1.94e-06
892	305	-0.02	1.85e-03	-0.06	0.0	-2.43e-05	2.23e-06
892	307	-4.81e-03	0.03	-0.06	0.0	-4.92e-06	1.85e-06
892	310	-5.00e-03	3.25e-03	-0.06	0.0	-5.09e-06	1.84e-06
893	44	-0.23	-7.21e-03	-0.13	0.0	-1.51e-04	8.75e-06
893	67	-9.36e-03	0.26	-0.13	0.0	-6.57e-06	3.94e-06
893	76	-0.01	-0.07	-0.15	0.0	-9.61e-06	4.60e-06
893	116	-2.35	0.25	-0.08	0.0	-1.52e-03	-7.13e-05
893	138	0.30	-2.10	-0.09	0.0	1.90e-04	-1.32e-05
893	139	-0.31	2.11	-0.08	0.0	-2.01e-04	1.82e-05
893	148	-2.64	0.28	-0.08	0.0	-1.71e-03	-8.06e-05
893	170	0.33	-2.37	-0.09	0.0	2.13e-04	-1.53e-05
893	171	-0.35	2.38	-0.08	0.0	-2.23e-04	2.02e-05
893	180	-2.61	0.25	-0.08	0.0	-1.69e-03	-8.03e-05
893	202	0.31	-2.42	-0.09	0.0	2.02e-04	-1.56e-05
893	203	-0.33	2.43	-0.08	0.0	-2.12e-04	2.05e-05
893	212	-3.05	0.27	-0.08	0.0	-1.97e-03	-9.52e-05
893	234	0.36	-2.87	-0.09	0.0	2.32e-04	-1.90e-05
893	235	-0.38	2.89	-0.08	0.0	-2.42e-04	2.40e-05
893	264	-0.15	-4.64e-03	-0.09	0.0	-1.01e-04	5.96e-06
893	275	-6.60e-03	0.18	-0.09	0.0	-4.62e-06	2.75e-06
893	280	-9.68e-03	-0.04	-0.11	0.0	-6.65e-06	3.19e-06
893	298	-7.93e-03	6.22e-03	-0.09	0.0	-5.44e-06	2.62e-06
893	305	-0.04	3.62e-03	-0.08	0.0	-2.43e-05	3.11e-06
893	307	-7.28e-03	0.04	-0.08	0.0	-5.01e-06	2.50e-06
893	310	-7.55e-03	5.75e-03	-0.08	0.0	-5.17e-06	2.47e-06
894	4	0.02	4.67e-03	-0.05	0.0	3.25e-05	3.11e-06
894	44	-0.08	-2.67e-03	-0.04	0.0	-1.55e-04	3.40e-06
894	67	-4.14e-03	0.09	-0.04	0.0	-8.12e-06	2.79e-06
894	116	-0.78	0.08	-0.03	0.0	-1.54e-03	-3.49e-05
894	118	0.68	-0.41	-0.03	0.0	1.35e-03	2.69e-05
894	139	-0.11	0.70	-0.03	0.0	-2.12e-04	5.23e-06
894	148	-0.87	0.09	-0.03	0.0	-1.73e-03	-3.95e-05
894	150	0.77	-0.46	-0.03	0.0	1.52e-03	3.00e-05
894	171	-0.12	0.79	-0.03	0.0	-2.36e-04	5.73e-06
894	180	-0.86	0.08	-0.03	0.0	-1.71e-03	-3.93e-05
894	182	0.75	-0.46	-0.03	0.0	1.49e-03	2.96e-05
894	203	-0.11	0.80	-0.03	0.0	-2.25e-04	5.96e-06
894	212	-1.01	0.09	-0.03	0.0	-2.00e-03	-4.66e-05
894	214	0.88	-0.55	-0.03	0.0	1.74e-03	3.43e-05
894	235	-0.13	0.95	-0.03	0.0	-2.57e-04	6.87e-06
894	244	0.01	3.17e-03	-0.04	0.0	2.14e-05	2.15e-06
894	264	-0.05	-1.72e-03	-0.03	0.0	-1.04e-04	2.34e-06
894	275	-2.91e-03	0.06	-0.03	0.0	-5.71e-06	1.94e-06
894	298	-3.33e-03	1.83e-03	-0.03	0.0	-6.53e-06	1.83e-06
894	305	-0.01	1.01e-03	-0.03	0.0	-2.56e-05	1.81e-06
894	307	-3.08e-03	0.01	-0.03	0.0	-6.04e-06	1.75e-06
894	310	-3.16e-03	1.70e-03	-0.03	0.0	-6.20e-06	1.73e-06
895	1	0.0	0.0	0.0	0.0	3.77e-05	0.0
895	113	0.0	0.0	0.0	0.0	1.54e-03	4.79e-06
895	145	0.0	0.0	0.0	0.0	1.73e-03	5.35e-06

895	177	0.0	0.0	0.0	0.0	1.71e-03	5.33e-06
895	209	0.0	0.0	0.0	0.0	2.00e-03	6.21e-06
895	241	0.0	0.0	0.0	0.0	2.49e-05	0.0
895	297	0.0	0.0	0.0	0.0	-4.27e-06	0.0
895	309	0.0	0.0	0.0	0.0	-4.27e-06	0.0
896	4	0.03	0.01	-0.10	0.0	3.28e-05	5.56e-06
896	44	-0.16	-4.69e-03	-0.09	0.0	-1.55e-04	6.52e-06
896	67	-8.19e-03	0.18	-0.09	0.0	-7.89e-06	5.07e-06
896	116	-1.55	0.17	-0.06	0.0	-1.52e-03	-6.87e-05
896	118	1.36	-0.82	-0.06	0.0	1.33e-03	5.18e-05
896	139	-0.21	1.40	-0.06	0.0	-2.09e-04	1.08e-05
896	148	-1.74	0.19	-0.05	0.0	-1.71e-03	-7.77e-05
896	150	1.52	-0.93	-0.06	0.0	1.50e-03	5.78e-05
896	171	-0.24	1.58	-0.05	0.0	-2.33e-04	1.19e-05
896	180	-1.72	0.17	-0.05	0.0	-1.69e-03	-7.73e-05
896	182	1.50	-0.93	-0.06	0.0	1.47e-03	5.69e-05
896	203	-0.23	1.62	-0.05	0.0	-2.22e-04	1.23e-05
896	212	-2.01	0.18	-0.05	0.0	-1.98e-03	-9.16e-05
896	214	1.75	-1.09	-0.06	0.0	1.72e-03	6.59e-05
896	235	-0.26	1.92	-0.05	0.0	-2.54e-04	1.42e-05
896	244	0.02	7.01e-03	-0.07	0.0	2.16e-05	3.85e-06
896	264	-0.10	-3.00e-03	-0.06	0.0	-1.04e-04	4.49e-06
896	275	-5.76e-03	0.12	-0.06	0.0	-5.55e-06	3.52e-06
896	298	-6.59e-03	4.16e-03	-0.06	0.0	-6.35e-06	3.33e-06
896	305	-0.03	2.45e-03	-0.06	0.0	-2.54e-05	3.33e-06
896	307	-6.09e-03	0.03	-0.06	0.0	-5.87e-06	3.18e-06
896	310	-6.25e-03	3.86e-03	-0.06	0.0	-6.03e-06	3.14e-06
897	4	0.05	0.02	-0.16	0.0	3.31e-05	7.00e-06
897	44	-0.23	-6.15e-03	-0.14	0.0	-1.54e-04	9.35e-06
897	67	-0.01	0.26	-0.13	0.0	-7.58e-06	6.61e-06
897	116	-2.31	0.25	-0.08	0.0	-1.50e-03	-9.53e-05
897	118	2.02	-1.24	-0.09	0.0	1.31e-03	6.99e-05
897	139	-0.32	2.11	-0.08	0.0	-2.05e-04	1.64e-05
897	148	-2.59	0.28	-0.08	0.0	-1.68e-03	-1.08e-04
897	150	2.27	-1.39	-0.09	0.0	1.47e-03	7.80e-05
897	171	-0.35	2.38	-0.08	0.0	-2.28e-04	1.81e-05
897	180	-2.56	0.25	-0.08	0.0	-1.66e-03	-1.07e-04
897	182	2.23	-1.39	-0.09	0.0	1.45e-03	7.67e-05
897	203	-0.34	2.43	-0.08	0.0	-2.18e-04	1.87e-05
897	212	-2.99	0.27	-0.08	0.0	-1.94e-03	-1.27e-04
897	214	2.61	-1.64	-0.09	0.0	1.69e-03	8.90e-05
897	235	-0.38	2.89	-0.08	0.0	-2.49e-04	2.17e-05
897	244	0.03	0.01	-0.11	0.0	2.18e-05	4.85e-06
897	264	-0.16	-3.90e-03	-0.09	0.0	-1.03e-04	6.42e-06
897	275	-8.48e-03	0.18	-0.09	0.0	-5.32e-06	4.59e-06
897	298	-9.71e-03	6.91e-03	-0.09	0.0	-6.11e-06	4.35e-06
897	305	-0.04	4.28e-03	-0.09	0.0	-2.52e-05	4.45e-06
897	307	-8.97e-03	0.04	-0.09	0.0	-5.64e-06	4.14e-06
897	310	-9.22e-03	6.40e-03	-0.09	0.0	-5.80e-06	4.09e-06
898	4	0.01	5.38e-03	-0.05	0.0	2.87e-05	5.79e-06
898	44	-0.08	-2.04e-03	-0.04	0.0	-1.59e-04	4.38e-06
898	67	-6.18e-03	0.09	-0.04	0.0	-1.15e-05	4.78e-06
898	116	-0.76	0.08	-0.03	0.0	-1.50e-03	-4.58e-05
898	121	0.70	0.16	-0.03	0.0	1.39e-03	3.04e-05
898	139	-0.11	0.70	-0.03	0.0	-2.15e-04	4.76e-06
898	148	-0.85	0.09	-0.03	0.0	-1.69e-03	-5.19e-05
898	153	0.79	0.18	-0.03	0.0	1.57e-03	3.39e-05
898	171	-0.12	0.79	-0.03	0.0	-2.40e-04	5.06e-06
898	180	-0.84	0.08	-0.03	0.0	-1.67e-03	-5.16e-05
898	185	0.78	0.19	-0.03	0.0	1.54e-03	3.38e-05
898	203	-0.12	0.81	-0.03	0.0	-2.29e-04	5.44e-06
898	212	-0.98	0.09	-0.03	0.0	-1.95e-03	-6.12e-05
898	217	0.91	0.22	-0.03	0.0	1.80e-03	3.92e-05
898	235	-0.13	0.96	-0.03	0.0	-2.62e-04	6.12e-06
898	244	8.99e-03	3.65e-03	-0.04	0.0	1.87e-05	3.99e-06
898	264	-0.05	-1.29e-03	-0.03	0.0	-1.07e-04	3.05e-06
898	275	-4.33e-03	0.06	-0.03	0.0	-8.05e-06	3.32e-06
898	298	-4.67e-03	2.24e-03	-0.03	0.0	-8.75e-06	3.15e-06
898	305	-0.01	1.39e-03	-0.03	0.0	-2.78e-05	2.91e-06
898	307	-4.36e-03	0.01	-0.03	0.0	-8.15e-06	3.00e-06
898	310	-4.43e-03	2.09e-03	-0.03	0.0	-8.29e-06	2.97e-06
899	1	0.0	0.0	0.0	0.0	3.59e-05	0.0
899	113	0.0	0.0	0.0	0.0	1.49e-03	6.47e-06
899	145	0.0	0.0	0.0	0.0	1.67e-03	7.20e-06
899	177	0.0	0.0	0.0	0.0	1.65e-03	7.16e-06

899	209	0.0	0.0	0.0	0.0	1.93e-03	8.32e-06
899	241	0.0	0.0	0.0	0.0	2.35e-05	0.0
899	297	0.0	0.0	0.0	0.0	-5.69e-06	0.0
899	309	0.0	0.0	0.0	0.0	-5.69e-06	0.0
900	4	0.03	0.01	-0.10	0.0	3.01e-05	1.04e-05
900	44	-0.16	-3.71e-03	-0.09	0.0	-1.58e-04	8.28e-06
900	67	-0.01	0.18	-0.09	0.0	-1.04e-05	8.64e-06
900	116	-1.51	0.17	-0.05	0.0	-1.49e-03	-8.97e-05
900	121	1.40	0.32	-0.06	0.0	1.38e-03	5.70e-05
900	139	-0.22	1.40	-0.06	0.0	-2.13e-04	9.71e-06
900	148	-1.69	0.19	-0.05	0.0	-1.67e-03	-1.02e-04
900	153	1.57	0.36	-0.06	0.0	1.56e-03	6.35e-05
900	171	-0.24	1.58	-0.06	0.0	-2.37e-04	1.04e-05
900	180	-1.67	0.17	-0.05	0.0	-1.65e-03	-1.01e-04
900	185	1.55	0.37	-0.06	0.0	1.54e-03	6.33e-05
900	203	-0.23	1.62	-0.06	0.0	-2.26e-04	1.11e-05
900	212	-1.95	0.18	-0.05	0.0	-1.93e-03	-1.20e-04
900	217	1.81	0.45	-0.06	0.0	1.79e-03	7.36e-05
900	235	-0.26	1.92	-0.06	0.0	-2.59e-04	1.26e-05
900	244	0.02	7.78e-03	-0.07	0.0	1.97e-05	7.15e-06
900	264	-0.11	-2.33e-03	-0.06	0.0	-1.06e-04	5.76e-06
900	275	-8.36e-03	0.12	-0.06	0.0	-7.31e-06	6.00e-06
900	298	-9.05e-03	4.79e-03	-0.06	0.0	-8.03e-06	5.70e-06
900	305	-0.03	3.06e-03	-0.06	0.0	-2.71e-05	5.31e-06
900	307	-8.44e-03	0.03	-0.06	0.0	-7.47e-06	5.43e-06
900	310	-8.57e-03	4.46e-03	-0.06	0.0	-7.61e-06	5.37e-06
901	4	0.04	0.02	-0.16	0.0	3.20e-05	1.31e-05
901	44	-0.24	-5.09e-03	-0.14	0.0	-1.57e-04	1.16e-05
901	67	-0.02	0.26	-0.13	0.0	-8.91e-06	1.11e-05
901	116	-2.25	0.25	-0.08	0.0	-1.47e-03	-1.22e-04
901	121	2.09	0.48	-0.09	0.0	1.37e-03	7.22e-05
901	139	-0.32	2.11	-0.09	0.0	-2.09e-04	1.50e-05
901	148	-2.53	0.28	-0.08	0.0	-1.65e-03	-1.39e-04
901	153	2.35	0.55	-0.09	0.0	1.54e-03	8.04e-05
901	171	-0.36	2.38	-0.09	0.0	-2.33e-04	1.62e-05
901	180	-2.50	0.25	-0.08	0.0	-1.63e-03	-1.38e-04
901	185	2.32	0.56	-0.09	0.0	1.52e-03	8.04e-05
901	203	-0.34	2.43	-0.09	0.0	-2.22e-04	1.71e-05
901	212	-2.92	0.27	-0.08	0.0	-1.91e-03	-1.64e-04
901	217	2.70	0.68	-0.10	0.0	1.77e-03	9.36e-05
901	235	-0.39	2.89	-0.09	0.0	-2.54e-04	1.96e-05
901	244	0.03	0.01	-0.11	0.0	2.10e-05	9.04e-06
901	264	-0.16	-3.17e-03	-0.10	0.0	-1.05e-04	8.02e-06
901	275	-0.01	0.18	-0.09	0.0	-6.25e-06	7.73e-06
901	298	-0.01	7.60e-03	-0.09	0.0	-7.00e-06	7.35e-06
901	305	-0.04	4.93e-03	-0.09	0.0	-2.62e-05	6.97e-06
901	307	-0.01	0.04	-0.09	0.0	-6.48e-06	7.00e-06
901	310	-0.01	7.06e-03	-0.09	0.0	-6.63e-06	6.92e-06
902	44	-0.08	-1.43e-03	-0.05	0.0	-1.64e-04	5.48e-06
902	52	-0.01	0.06	-0.05	0.0	-2.13e-05	8.68e-06
902	67	-9.58e-03	0.09	-0.04	0.0	-1.71e-05	7.15e-06
902	116	-0.73	0.09	-0.03	0.0	-1.45e-03	-6.01e-05
902	125	0.66	0.21	-0.03	0.0	1.32e-03	4.36e-05
902	139	-0.11	0.70	-0.03	0.0	-2.18e-04	4.05e-06
902	148	-0.82	0.09	-0.02	0.0	-1.63e-03	-6.82e-05
902	157	0.74	0.24	-0.03	0.0	1.48e-03	4.84e-05
902	171	-0.12	0.79	-0.03	0.0	-2.42e-04	4.11e-06
902	180	-0.80	0.08	-0.02	0.0	-1.61e-03	-6.77e-05
902	189	0.73	0.24	-0.03	0.0	1.46e-03	4.78e-05
902	203	-0.12	0.81	-0.03	0.0	-2.33e-04	4.68e-06
902	212	-0.94	0.09	-0.02	0.0	-1.88e-03	-8.03e-05
902	221	0.85	0.29	-0.03	0.0	1.70e-03	5.51e-05
902	235	-0.13	0.96	-0.03	0.0	-2.66e-04	5.07e-06
902	264	-0.06	-8.66e-04	-0.03	0.0	-1.10e-04	3.85e-06
902	268	-8.24e-03	0.04	-0.04	0.0	-1.47e-05	5.98e-06
902	275	-6.69e-03	0.06	-0.03	0.0	-1.19e-05	4.96e-06
902	298	-6.92e-03	2.63e-03	-0.03	0.0	-1.24e-05	4.72e-06
902	305	-0.02	1.77e-03	-0.03	0.0	-3.12e-05	4.22e-06
902	307	-6.50e-03	0.01	-0.03	0.0	-1.17e-05	4.50e-06
902	310	-6.54e-03	2.46e-03	-0.03	0.0	-1.18e-05	4.45e-06
903	1	0.0	0.0	0.0	0.0	3.23e-05	0.0
903	113	0.0	0.0	0.0	0.0	1.43e-03	8.58e-06
903	145	0.0	0.0	0.0	0.0	1.60e-03	9.53e-06
903	177	0.0	0.0	0.0	0.0	1.58e-03	9.48e-06
903	209	0.0	0.0	0.0	0.0	1.85e-03	1.10e-05

903	241	0.0	0.0	0.0	0.0	2.10e-05	0.0
903	297	0.0	0.0	0.0	0.0	-8.07e-06	0.0
903	309	0.0	0.0	0.0	0.0	-8.07e-06	0.0
904	44	-0.16	-2.74e-03	-0.09	0.0	-1.63e-04	1.04e-05
904	52	-0.02	0.11	-0.10	0.0	-1.82e-05	1.57e-05
904	67	-0.02	0.18	-0.09	0.0	-1.46e-05	1.29e-05
904	116	-1.45	0.17	-0.05	0.0	-1.45e-03	-1.16e-04
904	125	1.32	0.42	-0.07	0.0	1.32e-03	7.99e-05
904	139	-0.22	1.40	-0.06	0.0	-2.16e-04	8.38e-06
904	148	-1.63	0.19	-0.05	0.0	-1.62e-03	-1.31e-04
904	157	1.48	0.47	-0.07	0.0	1.49e-03	8.89e-05
904	171	-0.24	1.58	-0.06	0.0	-2.40e-04	8.64e-06
904	180	-1.61	0.17	-0.05	0.0	-1.60e-03	-1.30e-04
904	189	1.46	0.48	-0.07	0.0	1.46e-03	8.78e-05
904	203	-0.23	1.62	-0.06	0.0	-2.30e-04	9.71e-06
904	212	-1.88	0.18	-0.05	0.0	-1.87e-03	-1.55e-04
904	221	1.70	0.57	-0.07	0.0	1.70e-03	1.01e-04
904	235	-0.27	1.92	-0.06	0.0	-2.63e-04	1.07e-05
904	264	-0.11	-1.65e-03	-0.06	0.0	-1.09e-04	7.28e-06
904	268	-0.02	0.07	-0.07	0.0	-1.26e-05	1.08e-05
904	275	-0.01	0.12	-0.06	0.0	-1.02e-05	8.97e-06
904	298	-0.01	5.42e-03	-0.06	0.0	-1.08e-05	8.55e-06
904	305	-0.03	3.66e-03	-0.06	0.0	-2.97e-05	7.69e-06
904	307	-0.01	0.03	-0.06	0.0	-1.01e-05	8.14e-06
904	310	-0.01	5.06e-03	-0.06	0.0	-1.02e-05	8.05e-06
905	44	-0.25	-4.04e-03	-0.14	0.0	-1.61e-04	1.45e-05
905	52	-0.03	0.17	-0.16	0.0	-1.38e-05	2.03e-05
905	67	-0.02	0.26	-0.13	0.0	-1.09e-05	1.67e-05
905	116	-2.17	0.25	-0.08	0.0	-1.44e-03	-1.53e-04
905	125	1.98	0.63	-0.10	0.0	1.32e-03	9.74e-05
905	139	-0.33	2.11	-0.09	0.0	-2.12e-04	1.36e-05
905	148	-2.44	0.28	-0.08	0.0	-1.62e-03	-1.74e-04
905	157	2.23	0.71	-0.10	0.0	1.49e-03	1.08e-04
905	171	-0.36	2.38	-0.09	0.0	-2.36e-04	1.43e-05
905	180	-2.41	0.25	-0.08	0.0	-1.60e-03	-1.73e-04
905	189	2.19	0.73	-0.10	0.0	1.47e-03	1.07e-04
905	203	-0.35	2.43	-0.09	0.0	-2.26e-04	1.57e-05
905	212	-2.81	0.27	-0.07	0.0	-1.87e-03	-2.05e-04
905	221	2.56	0.86	-0.10	0.0	1.71e-03	1.23e-04
905	235	-0.40	2.89	-0.09	0.0	-2.59e-04	1.75e-05
905	264	-0.16	-2.45e-03	-0.10	0.0	-1.07e-04	1.02e-05
905	268	-0.02	0.11	-0.11	0.0	-9.57e-06	1.40e-05
905	275	-0.02	0.18	-0.09	0.0	-7.64e-06	1.16e-05
905	298	-0.02	8.28e-03	-0.09	0.0	-8.33e-06	1.11e-05
905	305	-0.05	5.58e-03	-0.09	0.0	-2.76e-05	1.01e-05
905	307	-0.02	0.04	-0.09	0.0	-7.75e-06	1.05e-05
905	310	-0.02	7.71e-03	-0.09	0.0	-7.89e-06	1.04e-05
906	44	-0.09	-8.00e-04	-0.05	0.0	-1.71e-04	5.97e-06
906	52	-0.02	0.06	-0.05	0.0	-3.09e-05	1.08e-05
906	67	-0.01	0.09	-0.04	0.0	-2.49e-05	8.94e-06
906	116	-0.69	0.09	-0.02	0.0	-1.38e-03	-7.58e-05
906	125	0.63	0.21	-0.04	0.0	1.27e-03	6.17e-05
906	139	-0.11	0.70	-0.03	0.0	-2.20e-04	2.88e-06
906	148	-0.77	0.09	-0.02	0.0	-1.55e-03	-8.59e-05
906	157	0.71	0.24	-0.04	0.0	1.43e-03	6.87e-05
906	171	-0.12	0.79	-0.03	0.0	-2.44e-04	2.68e-06
906	180	-0.76	0.08	-0.02	0.0	-1.53e-03	-8.52e-05
906	189	0.70	0.24	-0.04	0.0	1.41e-03	6.79e-05
906	203	-0.12	0.80	-0.03	0.0	-2.35e-04	3.44e-06
906	212	-0.89	0.09	-0.02	0.0	-1.79e-03	-1.01e-04
906	221	0.81	0.29	-0.04	0.0	1.64e-03	7.81e-05
906	235	-0.13	0.95	-0.03	0.0	-2.69e-04	3.52e-06
906	264	-0.06	-4.32e-04	-0.03	0.0	-1.14e-04	4.23e-06
906	268	-0.01	0.04	-0.04	0.0	-2.13e-05	7.48e-06
906	275	-0.01	0.06	-0.03	0.0	-1.74e-05	6.20e-06
906	298	-0.01	3.02e-03	-0.03	0.0	-1.77e-05	5.91e-06
906	305	-0.02	2.15e-03	-0.03	0.0	-3.59e-05	5.16e-06
906	307	-9.53e-03	0.01	-0.03	0.0	-1.66e-05	5.63e-06
906	310	-9.54e-03	2.84e-03	-0.03	0.0	-1.67e-05	5.57e-06
907	1	0.0	0.0	0.0	0.0	2.69e-05	1.18e-06
907	113	0.0	0.0	0.0	0.0	1.34e-03	1.06e-05
907	145	0.0	0.0	0.0	0.0	1.51e-03	1.18e-05
907	177	0.0	0.0	0.0	0.0	1.49e-03	1.17e-05
907	209	0.0	0.0	0.0	0.0	1.75e-03	1.36e-05
907	241	0.0	0.0	0.0	0.0	1.71e-05	0.0

907	297	0.0	0.0	0.0	0.0	-1.15e-05	0.0
907	309	0.0	0.0	0.0	0.0	-1.15e-05	0.0
908	44	-0.17	-1.74e-03	-0.09	0.0	-1.68e-04	1.15e-05
908	52	-0.03	0.11	-0.11	0.0	-2.54e-05	1.93e-05
908	67	-0.03	0.18	-0.09	0.0	-2.05e-05	1.59e-05
908	116	-1.38	0.17	-0.04	0.0	-1.40e-03	-1.40e-04
908	125	1.26	0.42	-0.07	0.0	1.29e-03	1.09e-04
908	139	-0.22	1.40	-0.06	0.0	-2.19e-04	6.62e-06
908	148	-1.55	0.19	-0.04	0.0	-1.57e-03	-1.59e-04
908	157	1.42	0.47	-0.08	0.0	1.45e-03	1.21e-04
908	171	-0.24	1.58	-0.06	0.0	-2.43e-04	6.47e-06
908	180	-1.53	0.17	-0.04	0.0	-1.55e-03	-1.58e-04
908	189	1.40	0.48	-0.08	0.0	1.43e-03	1.20e-04
908	203	-0.24	1.62	-0.06	0.0	-2.34e-04	7.85e-06
908	212	-1.78	0.18	-0.04	0.0	-1.81e-03	-1.87e-04
908	221	1.63	0.57	-0.08	0.0	1.67e-03	1.38e-04
908	235	-0.27	1.92	-0.07	0.0	-2.67e-04	8.31e-06
908	264	-0.12	-9.61e-04	-0.06	0.0	-1.13e-04	8.08e-06
908	268	-0.02	0.07	-0.07	0.0	-1.76e-05	1.33e-05
908	275	-0.02	0.12	-0.06	0.0	-1.43e-05	1.10e-05
908	298	-0.02	6.06e-03	-0.06	0.0	-1.47e-05	1.05e-05
908	305	-0.04	4.27e-03	-0.06	0.0	-3.34e-05	9.30e-06
908	307	-0.02	0.03	-0.06	0.0	-1.38e-05	1.00e-05
908	310	-0.02	5.68e-03	-0.06	0.0	-1.39e-05	9.93e-06
909	44	-0.26	-2.99e-03	-0.14	0.0	-1.65e-04	1.65e-05
909	52	-0.05	0.17	-0.16	0.0	-1.74e-05	2.50e-05
909	67	-0.04	0.26	-0.13	0.0	-1.39e-05	2.06e-05
909	116	-2.08	0.26	-0.07	0.0	-1.41e-03	-1.77e-04
909	125	1.91	0.63	-0.11	0.0	1.32e-03	1.27e-04
909	139	-0.33	2.11	-0.10	0.0	-2.16e-04	1.25e-05
909	148	-2.33	0.28	-0.07	0.0	-1.59e-03	-2.01e-04
909	157	2.16	0.71	-0.11	0.0	1.48e-03	1.41e-04
909	171	-0.37	2.38	-0.10	0.0	-2.40e-04	1.28e-05
909	180	-2.30	0.25	-0.07	0.0	-1.57e-03	-1.99e-04
909	189	2.12	0.73	-0.11	0.0	1.46e-03	1.39e-04
909	203	-0.35	2.43	-0.10	0.0	-2.31e-04	1.45e-05
909	212	-2.69	0.27	-0.06	0.0	-1.83e-03	-2.36e-04
909	221	2.47	0.87	-0.12	0.0	1.70e-03	1.60e-04
909	235	-0.40	2.89	-0.10	0.0	-2.65e-04	1.58e-05
909	264	-0.17	-1.71e-03	-0.10	0.0	-1.10e-04	1.16e-05
909	268	-0.03	0.11	-0.11	0.0	-1.21e-05	1.73e-05
909	275	-0.03	0.18	-0.09	0.0	-9.71e-06	1.43e-05
909	298	-0.03	8.97e-03	-0.09	0.0	-1.03e-05	1.36e-05
909	305	-0.05	6.24e-03	-0.09	0.0	-2.97e-05	1.23e-05
909	307	-0.02	0.04	-0.09	0.0	-9.64e-06	1.30e-05
909	310	-0.02	8.37e-03	-0.09	0.0	-9.77e-06	1.29e-05
910	44	-0.09	-1.27e-04	-0.05	0.0	-1.77e-04	5.20e-06
910	52	-0.02	0.06	-0.06	0.0	-4.17e-05	1.02e-05
910	68	-0.02	0.09	-0.05	0.0	-3.58e-05	8.92e-06
910	116	-0.64	0.09	-0.02	0.0	-1.31e-03	-8.25e-05
910	125	0.59	0.21	-0.04	0.0	1.21e-03	6.80e-05
910	139	-0.11	0.70	-0.04	0.0	-2.21e-04	1.68e-06
910	148	-0.72	0.09	-0.02	0.0	-1.47e-03	-9.34e-05
910	157	0.66	0.24	-0.04	0.0	1.37e-03	7.58e-05
910	171	-0.12	0.79	-0.04	0.0	-2.44e-04	1.38e-06
910	180	-0.71	0.08	-0.02	0.0	-1.45e-03	-9.26e-05
910	189	0.65	0.24	-0.04	0.0	1.35e-03	7.49e-05
910	203	-0.12	0.80	-0.04	0.0	-2.36e-04	2.21e-06
910	212	-0.82	0.09	-0.02	0.0	-1.69e-03	-1.10e-04
910	221	0.76	0.29	-0.05	0.0	1.57e-03	8.64e-05
910	235	-0.13	0.95	-0.04	0.0	-2.69e-04	2.16e-06
910	264	-0.06	3.82e-05	-0.03	0.0	-1.19e-04	3.70e-06
910	268	-0.02	0.04	-0.04	0.0	-2.88e-05	7.02e-06
910	276	-0.01	0.06	-0.03	0.0	-2.48e-05	6.18e-06
910	298	-0.01	3.46e-03	-0.03	0.0	-2.35e-05	5.56e-06
910	305	-0.02	2.57e-03	-0.03	0.0	-4.11e-05	4.80e-06
910	307	-0.01	0.01	-0.03	0.0	-2.22e-05	5.30e-06
910	310	-0.01	3.26e-03	-0.03	0.0	-2.22e-05	5.24e-06
911	1	0.0	0.0	0.0	0.0	2.05e-05	1.08e-06
911	113	0.0	0.0	0.0	0.0	1.25e-03	1.05e-05
911	145	0.0	0.0	0.0	0.0	1.40e-03	1.17e-05
911	177	0.0	0.0	0.0	0.0	1.38e-03	1.16e-05
911	209	0.0	0.0	0.0	0.0	1.62e-03	1.35e-05
911	241	0.0	0.0	0.0	0.0	1.26e-05	0.0
911	297	0.0	0.0	0.0	0.0	-1.53e-05	0.0

911	309	0.0	0.0	0.0	0.0	-1.53e-05	0.0
912	44	-0.18	-7.00e-04	-0.09	0.0	-1.74e-04	9.89e-06
912	52	-0.05	0.11	-0.11	0.0	-3.35e-05	1.69e-05
912	68	-0.04	0.18	-0.10	0.0	-2.86e-05	1.48e-05
912	116	-1.29	0.17	-0.04	0.0	-1.35e-03	-1.37e-04
912	125	1.20	0.42	-0.09	0.0	1.26e-03	1.04e-04
912	139	-0.22	1.40	-0.07	0.0	-2.21e-04	5.88e-06
912	148	-1.45	0.19	-0.03	0.0	-1.51e-03	-1.55e-04
912	157	1.35	0.47	-0.09	0.0	1.42e-03	1.16e-04
912	171	-0.24	1.58	-0.07	0.0	-2.45e-04	5.78e-06
912	180	-1.43	0.17	-0.03	0.0	-1.49e-03	-1.54e-04
912	189	1.33	0.48	-0.09	0.0	1.40e-03	1.14e-04
912	203	-0.24	1.61	-0.07	0.0	-2.37e-04	7.11e-06
912	212	-1.67	0.18	-0.03	0.0	-1.74e-03	-1.83e-04
912	221	1.55	0.57	-0.10	0.0	1.63e-03	1.32e-04
912	235	-0.27	1.92	-0.08	0.0	-2.70e-04	7.63e-06
912	264	-0.12	-2.32e-04	-0.06	0.0	-1.17e-04	6.98e-06
912	268	-0.03	0.07	-0.08	0.0	-2.32e-05	1.17e-05
912	276	-0.03	0.12	-0.07	0.0	-1.99e-05	1.03e-05
912	298	-0.03	6.75e-03	-0.06	0.0	-1.91e-05	9.24e-06
912	305	-0.04	4.92e-03	-0.06	0.0	-3.75e-05	8.14e-06
912	307	-0.02	0.03	-0.06	0.0	-1.80e-05	8.80e-06
912	310	-0.02	6.33e-03	-0.06	0.0	-1.81e-05	8.70e-06
913	44	-0.27	-1.89e-03	-0.14	0.0	-1.70e-04	1.47e-05
913	52	-0.06	0.17	-0.17	0.0	-2.21e-05	2.15e-05
913	68	-0.05	0.26	-0.15	0.0	-1.86e-05	1.88e-05
913	116	-1.98	0.26	-0.05	0.0	-1.39e-03	-1.64e-04
913	125	1.84	0.63	-0.13	0.0	1.31e-03	1.11e-04
913	139	-0.33	2.11	-0.11	0.0	-2.20e-04	1.27e-05
913	148	-2.22	0.28	-0.05	0.0	-1.56e-03	-1.86e-04
913	157	2.07	0.71	-0.14	0.0	1.48e-03	1.23e-04
913	171	-0.37	2.38	-0.11	0.0	-2.45e-04	1.32e-05
913	180	-2.19	0.25	-0.05	0.0	-1.54e-03	-1.85e-04
913	189	2.04	0.73	-0.14	0.0	1.46e-03	1.22e-04
913	203	-0.36	2.43	-0.11	0.0	-2.36e-04	1.47e-05
913	212	-2.55	0.27	-0.04	0.0	-1.79e-03	-2.19e-04
913	221	2.37	0.87	-0.15	0.0	1.70e-03	1.40e-04
913	235	-0.41	2.88	-0.11	0.0	-2.70e-04	1.63e-05
913	264	-0.18	-9.43e-04	-0.10	0.0	-1.14e-04	1.03e-05
913	268	-0.04	0.11	-0.12	0.0	-1.53e-05	1.48e-05
913	276	-0.04	0.18	-0.10	0.0	-1.30e-05	1.30e-05
913	298	-0.03	9.69e-03	-0.10	0.0	-1.29e-05	1.17e-05
913	305	-0.06	6.92e-03	-0.09	0.0	-3.23e-05	1.06e-05
913	307	-0.03	0.04	-0.09	0.0	-1.21e-05	1.12e-05
913	310	-0.03	9.06e-03	-0.09	0.0	-1.22e-05	1.11e-05
914	4	-0.01	8.62e-03	-0.07	0.0	-6.79e-06	0.0
914	44	-0.09	6.77e-04	-0.05	0.0	-1.82e-04	2.57e-06
914	68	-0.03	0.09	-0.06	0.0	-4.22e-05	0.0
914	116	-0.59	0.08	0.02	0.0	-1.25e-03	-2.39e-05
914	121	0.56	0.16	-0.10	0.0	1.20e-03	2.67e-06
914	139	-0.25	0.70	-0.04	0.0	-5.25e-04	5.83e-06
914	153	0.63	0.18	-0.11	0.0	1.35e-03	2.98e-06
914	156	-0.67	-0.17	0.03	0.0	-1.40e-03	-1.84e-06
914	171	-0.28	0.79	-0.04	0.0	-5.87e-04	6.53e-06
914	180	-0.66	0.08	0.02	0.0	-1.38e-03	-2.68e-05
914	185	0.62	0.19	-0.10	0.0	1.33e-03	3.32e-06
914	203	-0.28	0.80	-0.05	0.0	-5.82e-04	6.63e-06
914	212	-0.76	0.09	0.03	0.0	-1.61e-03	-3.17e-05
914	217	0.73	0.22	-0.12	0.0	1.55e-03	4.09e-06
914	235	-0.32	0.95	-0.05	0.0	-6.76e-04	7.77e-06
914	244	-8.81e-03	5.90e-03	-0.05	0.0	-5.70e-06	0.0
914	264	-0.06	6.09e-04	-0.04	0.0	-1.22e-04	1.74e-06
914	276	-0.02	0.06	-0.05	0.0	-2.93e-05	0.0
914	298	-0.02	4.06e-03	-0.04	0.0	-2.75e-05	0.0
914	305	-0.03	3.12e-03	-0.04	0.0	-4.47e-05	0.0
914	307	-0.02	0.01	-0.04	0.0	-2.60e-05	0.0
914	310	-0.02	3.83e-03	-0.04	0.0	-2.60e-05	0.0
915	1	0.0	0.0	0.0	0.0	1.57e-05	0.0
915	113	0.0	0.0	0.0	0.0	1.17e-03	3.04e-06
915	145	0.0	0.0	0.0	0.0	1.32e-03	3.41e-06
915	177	0.0	0.0	0.0	0.0	1.30e-03	3.39e-06
915	209	0.0	0.0	0.0	0.0	1.52e-03	3.98e-06
915	241	0.0	0.0	0.0	0.0	9.17e-06	0.0
915	297	0.0	0.0	0.0	0.0	-1.83e-05	0.0
915	309	0.0	0.0	0.0	0.0	-1.83e-05	0.0

916	4	-0.01	0.02	-0.13	0.0	5.40e-06	1.15e-06
916	44	-0.18	3.89e-04	-0.10	0.0	-1.79e-04	5.05e-06
916	68	-0.05	0.18	-0.12	0.0	-3.29e-05	1.93e-06
916	116	-1.23	0.17	0.03	0.0	-1.31e-03	-4.89e-05
916	121	1.17	0.32	-0.18	0.0	1.27e-03	5.50e-06
916	139	-0.52	1.40	-0.08	0.0	-2.23e-04	1.19e-05
916	153	1.32	0.37	-0.19	0.0	1.43e-03	6.15e-06
916	156	-1.38	-0.35	0.05	0.0	-1.47e-03	-3.90e-06
916	171	-0.58	1.58	-0.08	0.0	-2.47e-04	1.34e-05
916	185	1.30	0.38	-0.19	0.0	1.41e-03	6.84e-06
916	188	-1.36	-0.36	0.05	0.0	-1.45e-03	-4.59e-06
916	203	-0.57	1.61	-0.09	0.0	-2.40e-04	1.36e-05
916	212	-1.58	0.18	0.06	0.0	-1.69e-03	-6.50e-05
916	217	1.52	0.45	-0.21	0.0	1.64e-03	8.44e-06
916	235	-0.66	1.91	-0.09	0.0	-2.74e-04	1.59e-05
916	244	-0.01	0.01	-0.09	0.0	2.67e-06	0.0
916	264	-0.12	5.39e-04	-0.07	0.0	-1.20e-04	3.42e-06
916	276	-0.03	0.12	-0.08	0.0	-2.29e-05	1.34e-06
916	298	-0.03	7.52e-03	-0.08	0.0	-2.18e-05	1.19e-06
916	305	-0.05	5.65e-03	-0.07	0.0	-4.00e-05	1.56e-06
916	307	-0.03	0.03	-0.07	0.0	-2.05e-05	1.14e-06
916	310	-0.03	7.08e-03	-0.07	0.0	-2.05e-05	1.12e-06
917	4	-8.29e-03	0.02	-0.19	0.0	1.99e-05	1.65e-06
917	44	-0.27	-8.07e-04	-0.15	0.0	-1.75e-04	7.55e-06
917	68	-0.06	0.26	-0.17	0.0	-2.17e-05	2.82e-06
917	124	-1.90	-0.47	0.05	0.0	-1.37e-03	-4.68e-06
917	125	1.65	0.63	-0.25	0.0	1.32e-03	-4.01e-06
917	139	-0.80	2.11	-0.12	0.0	-2.24e-04	1.78e-05
917	156	-2.14	-0.53	0.06	0.0	-1.54e-03	-5.62e-06
917	157	1.86	0.71	-0.27	0.0	1.48e-03	-4.67e-06
917	171	-0.89	2.38	-0.12	0.0	-2.49e-04	2.00e-05
917	185	2.03	0.57	-0.27	0.0	1.49e-03	9.94e-06
917	188	-2.10	-0.55	0.06	0.0	-1.52e-03	-6.64e-06
917	203	-0.88	2.43	-0.13	0.0	-2.41e-04	2.03e-05
917	212	-2.45	0.27	0.08	0.0	-1.77e-03	-9.57e-05
917	217	2.37	0.68	-0.29	0.0	1.74e-03	1.23e-05
917	235	-1.03	2.88	-0.13	0.0	-2.76e-04	2.38e-05
917	244	-7.24e-03	0.02	-0.13	0.0	1.26e-05	1.18e-06
917	264	-0.18	-1.77e-04	-0.10	0.0	-1.17e-04	5.12e-06
917	276	-0.04	0.18	-0.12	0.0	-1.51e-05	1.96e-06
917	298	-0.04	0.01	-0.11	0.0	-1.48e-05	1.75e-06
917	305	-0.07	7.63e-03	-0.10	0.0	-3.43e-05	2.30e-06
917	307	-0.04	0.04	-0.10	0.0	-1.39e-05	1.67e-06
917	310	-0.04	9.78e-03	-0.10	0.0	-1.40e-05	1.65e-06
918	43	-0.26	-0.01	-0.14	0.0	-1.46e-04	2.58e-05
918	67	-1.46e-03	0.36	-0.13	0.0	-4.21e-06	8.40e-06
918	76	-4.60e-03	-0.09	-0.17	0.0	-7.62e-06	1.12e-05
918	116	-3.10	0.34	-0.13	0.0	-1.67e-03	8.06e-05
918	139	-0.35	2.82	-0.03	0.0	-1.84e-04	5.40e-05
918	140	-1.34	-2.26	-0.17	0.0	-7.30e-04	1.32e-05
918	148	-3.48	0.37	-0.13	0.0	-1.87e-03	8.94e-05
918	171	-0.39	3.18	-0.02	0.0	-2.04e-04	5.97e-05
918	172	-1.51	-2.57	-0.18	0.0	-8.22e-04	1.40e-05
918	180	-3.45	0.33	-0.14	0.0	-1.85e-03	8.56e-05
918	203	-0.37	3.25	-0.02	0.0	-1.92e-04	5.72e-05
918	204	-1.51	-2.64	-0.18	0.0	-8.20e-04	1.44e-05
918	212	-4.03	0.36	-0.14	0.0	-2.17e-03	9.80e-05
918	235	-0.42	3.86	-3.72e-03	0.0	-2.17e-04	6.52e-05
918	236	-1.77	-3.15	-0.20	0.0	-9.62e-04	1.59e-05
918	263	-0.18	-6.77e-03	-0.10	0.0	-9.77e-05	1.77e-05
918	275	-9.13e-04	0.24	-0.09	0.0	-3.00e-06	6.08e-06
918	280	-3.01e-03	-0.06	-0.12	0.0	-5.27e-06	7.97e-06
918	298	-2.22e-03	7.48e-03	-0.10	0.0	-4.27e-06	6.80e-06
918	305	-0.04	4.01e-03	-0.10	0.0	-2.28e-05	8.74e-06
918	307	-1.78e-03	0.05	-0.09	0.0	-3.82e-06	6.42e-06
918	310	-2.04e-03	6.86e-03	-0.10	0.0	-4.08e-06	6.57e-06
919	43	-0.34	-8.88e-03	-0.19	0.0	-1.49e-04	1.44e-05
919	67	-4.17e-03	0.44	-0.17	0.0	-5.96e-06	8.08e-06
919	76	-9.35e-03	-0.11	-0.22	0.0	-1.01e-05	9.91e-06
919	116	-3.94	0.42	-0.17	0.0	-1.65e-03	-2.01e-04
919	139	-0.44	3.54	-0.04	0.0	-1.81e-04	2.00e-05
919	140	-1.72	-2.84	-0.22	0.0	-7.28e-04	-1.06e-04
919	148	-4.43	0.47	-0.17	0.0	-1.86e-03	-2.27e-04
919	171	-0.49	4.00	-0.03	0.0	-2.01e-04	2.21e-05
919	172	-1.93	-3.22	-0.23	0.0	-8.19e-04	-1.20e-04

919	180	-4.39	0.42	-0.17	0.0	-1.84e-03	-2.26e-04
919	203	-0.46	4.08	-0.03	0.0	-1.89e-04	2.30e-05
919	204	-1.92	-3.31	-0.24	0.0	-8.18e-04	-1.20e-04
919	212	-5.13	0.45	-0.18	0.0	-2.15e-03	-2.68e-04
919	235	-0.53	4.84	-9.80e-03	0.0	-2.13e-04	2.68e-05
919	236	-2.26	-3.95	-0.26	0.0	-9.60e-04	-1.42e-04
919	263	-0.23	-5.59e-03	-0.13	0.0	-9.97e-05	1.01e-05
919	275	-2.86e-03	0.30	-0.12	0.0	-4.28e-06	5.85e-06
919	280	-6.31e-03	-0.07	-0.16	0.0	-7.04e-06	7.07e-06
919	298	-4.91e-03	0.01	-0.13	0.0	-5.80e-06	6.13e-06
919	305	-0.05	7.82e-03	-0.12	0.0	-2.44e-05	6.72e-06
919	307	-4.21e-03	0.07	-0.12	0.0	-5.26e-06	5.87e-06
919	310	-4.62e-03	0.01	-0.12	0.0	-5.56e-06	5.93e-06
920	44	-0.28	-0.01	-0.16	0.0	-1.44e-04	2.14e-05
920	67	-5.63e-03	0.35	-0.14	0.0	-4.73e-06	6.06e-06
920	76	-0.01	-0.09	-0.18	0.0	-7.79e-06	7.94e-06
920	116	-3.14	0.34	-0.12	0.0	-1.55e-03	5.13e-05
920	139	-0.37	2.82	-0.07	0.0	-1.81e-04	4.79e-05
920	140	-1.36	-2.27	-0.14	0.0	-6.75e-04	0.0
920	148	-3.52	0.37	-0.12	0.0	-1.74e-03	5.66e-05
920	171	-0.41	3.18	-0.06	0.0	-2.01e-04	5.32e-05
920	172	-1.53	-2.57	-0.14	0.0	-7.59e-04	0.0
920	180	-3.49	0.33	-0.12	0.0	-1.73e-03	5.31e-05
920	203	-0.39	3.25	-0.06	0.0	-1.89e-04	5.11e-05
920	204	-1.52	-2.64	-0.15	0.0	-7.57e-04	0.0
920	212	-4.08	0.36	-0.12	0.0	-2.02e-03	6.02e-05
920	235	-0.44	3.86	-0.05	0.0	-2.15e-04	5.85e-05
920	236	-1.78	-3.15	-0.15	0.0	-8.88e-04	0.0
920	264	-0.19	-6.77e-03	-0.11	0.0	-9.62e-05	1.46e-05
920	275	-3.93e-03	0.24	-0.10	0.0	-3.35e-06	4.37e-06
920	280	-6.94e-03	-0.06	-0.12	0.0	-5.39e-06	5.62e-06
920	298	-5.56e-03	7.86e-03	-0.10	0.0	-4.40e-06	4.77e-06
920	305	-0.04	4.37e-03	-0.10	0.0	-2.25e-05	6.53e-06
920	307	-4.95e-03	0.05	-0.10	0.0	-3.99e-06	4.52e-06
920	310	-5.27e-03	7.22e-03	-0.10	0.0	-4.20e-06	4.60e-06
921	44	-0.35	-9.35e-03	-0.21	0.0	-1.47e-04	1.89e-05
921	67	-8.30e-03	0.44	-0.19	0.0	-5.59e-06	6.19e-06
921	76	-0.01	-0.10	-0.24	0.0	-9.01e-06	7.62e-06
921	116	-3.90	0.42	-0.16	0.0	-1.55e-03	1.83e-05
921	139	-0.46	3.54	-0.09	0.0	-1.80e-04	5.81e-05
921	140	-1.69	-2.84	-0.18	0.0	-6.77e-04	-2.29e-05
921	148	-4.39	0.47	-0.16	0.0	-1.74e-03	1.95e-05
921	171	-0.51	4.00	-0.09	0.0	-1.99e-04	6.48e-05
921	172	-1.90	-3.22	-0.19	0.0	-7.62e-04	-2.65e-05
921	180	-4.34	0.42	-0.16	0.0	-1.73e-03	1.56e-05
921	203	-0.48	4.08	-0.08	0.0	-1.88e-04	6.32e-05
921	204	-1.90	-3.32	-0.19	0.0	-7.60e-04	-2.68e-05
921	212	-5.08	0.45	-0.16	0.0	-2.02e-03	1.63e-05
921	235	-0.55	4.84	-0.08	0.0	-2.13e-04	7.34e-05
921	236	-2.23	-3.95	-0.20	0.0	-8.92e-04	-3.24e-05
921	264	-0.23	-5.90e-03	-0.15	0.0	-9.79e-05	1.29e-05
921	275	-5.82e-03	0.29	-0.14	0.0	-3.97e-06	4.43e-06
921	280	-9.94e-03	-0.07	-0.17	0.0	-6.25e-06	5.39e-06
921	298	-8.02e-03	0.01	-0.14	0.0	-5.13e-06	4.60e-06
921	305	-0.05	7.87e-03	-0.13	0.0	-2.34e-05	6.04e-06
921	307	-7.18e-03	0.07	-0.13	0.0	-4.67e-06	4.38e-06
921	310	-7.62e-03	0.01	-0.13	0.0	-4.90e-06	4.41e-06
922	44	-0.29	-9.70e-03	-0.17	0.0	-1.46e-04	1.66e-05
922	67	-8.48e-03	0.35	-0.16	0.0	-5.36e-06	4.36e-06
922	76	-0.01	-0.09	-0.19	0.0	-8.30e-06	5.48e-06
922	116	-3.15	0.34	-0.12	0.0	-1.52e-03	1.94e-05
922	139	-0.39	2.82	-0.09	0.0	-1.85e-04	4.40e-05
922	140	-1.36	-2.27	-0.13	0.0	-6.56e-04	-1.49e-05
922	148	-3.54	0.37	-0.12	0.0	-1.71e-03	2.10e-05
922	171	-0.43	3.19	-0.09	0.0	-2.06e-04	4.90e-05
922	172	-1.53	-2.57	-0.13	0.0	-7.38e-04	-1.72e-05
922	180	-3.50	0.33	-0.12	0.0	-1.69e-03	1.75e-05
922	203	-0.41	3.25	-0.09	0.0	-1.95e-04	4.74e-05
922	204	-1.52	-2.64	-0.13	0.0	-7.36e-04	-1.74e-05
922	212	-4.09	0.36	-0.12	0.0	-1.98e-03	1.89e-05
922	235	-0.46	3.86	-0.08	0.0	-2.22e-04	5.48e-05
922	236	-1.78	-3.15	-0.14	0.0	-8.63e-04	-2.10e-05
922	264	-0.19	-6.25e-03	-0.12	0.0	-9.72e-05	1.13e-05
922	275	-5.97e-03	0.24	-0.11	0.0	-3.78e-06	3.11e-06
922	280	-9.52e-03	-0.06	-0.13	0.0	-5.74e-06	3.86e-06

922	298	-7.75e-03	8.37e-03	-0.11	0.0	-4.69e-06	3.25e-06
922	305	-0.04	4.84e-03	-0.11	0.0	-2.30e-05	4.69e-06
922	307	-7.02e-03	0.05	-0.11	0.0	-4.28e-06	3.09e-06
922	310	-7.38e-03	7.69e-03	-0.11	0.0	-4.47e-06	3.11e-06
923	44	-0.36	-8.99e-03	-0.23	0.0	-1.47e-04	1.76e-05
923	67	-0.01	0.44	-0.21	0.0	-5.83e-06	4.79e-06
923	76	-0.02	-0.10	-0.26	0.0	-8.90e-06	5.75e-06
923	116	-3.90	0.42	-0.16	0.0	-1.51e-03	1.44e-05
923	139	-0.48	3.54	-0.12	0.0	-1.83e-04	5.56e-05
923	140	-1.68	-2.84	-0.17	0.0	-6.52e-04	-2.50e-05
923	148	-4.38	0.47	-0.16	0.0	-1.69e-03	1.52e-05
923	171	-0.53	4.00	-0.12	0.0	-2.03e-04	6.20e-05
923	172	-1.89	-3.22	-0.18	0.0	-7.33e-04	-2.86e-05
923	180	-4.33	0.42	-0.16	0.0	-1.67e-03	1.13e-05
923	203	-0.50	4.08	-0.12	0.0	-1.92e-04	6.05e-05
923	204	-1.88	-3.32	-0.18	0.0	-7.31e-04	-2.90e-05
923	212	-5.07	0.45	-0.16	0.0	-1.96e-03	1.14e-05
923	235	-0.57	4.84	-0.11	0.0	-2.18e-04	7.03e-05
923	236	-2.21	-3.95	-0.18	0.0	-8.57e-04	-3.47e-05
923	264	-0.24	-5.67e-03	-0.16	0.0	-9.80e-05	1.19e-05
923	275	-7.99e-03	0.29	-0.15	0.0	-4.11e-06	3.39e-06
923	280	-0.01	-0.07	-0.18	0.0	-6.16e-06	4.03e-06
923	298	-0.01	0.01	-0.15	0.0	-5.04e-06	3.39e-06
923	305	-0.06	8.07e-03	-0.15	0.0	-2.34e-05	4.91e-06
923	307	-9.29e-03	0.07	-0.15	0.0	-4.61e-06	3.24e-06
923	310	-9.74e-03	0.01	-0.15	0.0	-4.80e-06	3.24e-06
924	44	-0.30	-8.85e-03	-0.18	0.0	-1.48e-04	1.30e-05
924	67	-0.01	0.35	-0.17	0.0	-6.09e-06	3.75e-06
924	76	-0.02	-0.09	-0.20	0.0	-9.05e-06	4.47e-06
924	116	-3.14	0.34	-0.12	0.0	-1.50e-03	1.67e-05
924	139	-0.40	2.82	-0.10	0.0	-1.91e-04	4.99e-05
924	140	-1.35	-2.27	-0.13	0.0	-6.44e-04	-2.13e-05
924	148	-3.53	0.37	-0.12	0.0	-1.69e-03	1.81e-05
924	171	-0.44	3.19	-0.10	0.0	-2.12e-04	5.58e-05
924	172	-1.51	-2.57	-0.13	0.0	-7.25e-04	-2.44e-05
924	180	-3.49	0.33	-0.12	0.0	-1.67e-03	1.56e-05
924	203	-0.42	3.25	-0.10	0.0	-2.01e-04	5.49e-05
924	204	-1.51	-2.64	-0.13	0.0	-7.22e-04	-2.46e-05
924	212	-4.08	0.36	-0.12	0.0	-1.95e-03	1.70e-05
924	235	-0.48	3.86	-0.10	0.0	-2.29e-04	6.41e-05
924	236	-1.77	-3.15	-0.13	0.0	-8.47e-04	-2.95e-05
924	264	-0.20	-5.67e-03	-0.12	0.0	-9.90e-05	8.81e-06
924	275	-7.47e-03	0.23	-0.12	0.0	-4.28e-06	2.64e-06
924	280	-0.01	-0.06	-0.14	0.0	-6.25e-06	3.12e-06
924	298	-9.27e-03	8.93e-03	-0.12	0.0	-5.12e-06	2.60e-06
924	305	-0.05	5.37e-03	-0.11	0.0	-2.36e-05	3.68e-06
924	307	-8.46e-03	0.05	-0.11	0.0	-4.70e-06	2.48e-06
924	310	-8.82e-03	8.22e-03	-0.11	0.0	-4.86e-06	2.47e-06
925	44	-0.37	-8.51e-03	-0.24	0.0	-1.48e-04	1.51e-05
925	67	-0.01	0.44	-0.23	0.0	-6.44e-06	4.27e-06
925	76	-0.02	-0.10	-0.28	0.0	-9.44e-06	4.98e-06
925	116	-3.88	0.42	-0.16	0.0	-1.47e-03	2.22e-05
925	139	-0.49	3.54	-0.14	0.0	-1.87e-04	6.34e-05
925	140	-1.66	-2.84	-0.17	0.0	-6.33e-04	-2.72e-05
925	148	-4.36	0.47	-0.16	0.0	-1.66e-03	2.42e-05
925	171	-0.55	4.00	-0.14	0.0	-2.07e-04	7.10e-05
925	172	-1.87	-3.22	-0.17	0.0	-7.12e-04	-3.11e-05
925	180	-4.31	0.42	-0.16	0.0	-1.64e-03	2.14e-05
925	203	-0.52	4.08	-0.14	0.0	-1.97e-04	7.01e-05
925	204	-1.86	-3.32	-0.17	0.0	-7.10e-04	-3.14e-05
925	212	-5.04	0.45	-0.16	0.0	-1.91e-03	2.35e-05
925	235	-0.59	4.84	-0.14	0.0	-2.24e-04	8.20e-05
925	236	-2.19	-3.95	-0.17	0.0	-8.32e-04	-3.76e-05
925	264	-0.25	-5.34e-03	-0.17	0.0	-9.92e-05	1.02e-05
925	275	-9.70e-03	0.29	-0.16	0.0	-4.52e-06	3.00e-06
925	280	-0.01	-0.07	-0.19	0.0	-6.52e-06	3.47e-06
925	298	-0.01	0.01	-0.16	0.0	-5.33e-06	2.88e-06
925	305	-0.06	8.36e-03	-0.15	0.0	-2.38e-05	4.16e-06
925	307	-0.01	0.07	-0.15	0.0	-4.90e-06	2.75e-06
925	310	-0.01	0.01	-0.15	0.0	-5.06e-06	2.73e-06
926	44	-0.30	-7.95e-03	-0.18	0.0	-1.51e-04	1.13e-05
926	67	-0.01	0.35	-0.17	0.0	-6.80e-06	4.57e-06
926	76	-0.02	-0.08	-0.21	0.0	-9.81e-06	5.33e-06
926	116	-3.10	0.34	-0.12	0.0	-1.48e-03	-8.90e-05
926	138	0.39	-2.80	-0.12	0.0	1.85e-04	-1.87e-05

926	139	-0.41	2.82	-0.11	0.0	-1.96e-04	2.45e-05
926	148	-3.49	0.37	-0.12	0.0	-1.67e-03	-1.01e-04
926	170	0.44	-3.17	-0.13	0.0	2.07e-04	-2.16e-05
926	171	-0.46	3.19	-0.11	0.0	-2.18e-04	2.73e-05
926	180	-3.44	0.33	-0.12	0.0	-1.65e-03	-1.00e-04
926	202	0.41	-3.24	-0.13	0.0	1.97e-04	-2.19e-05
926	203	-0.43	3.26	-0.11	0.0	-2.07e-04	2.77e-05
926	212	-4.03	0.36	-0.12	0.0	-1.93e-03	-1.19e-04
926	234	0.48	-3.84	-0.13	0.0	2.26e-04	-2.66e-05
926	235	-0.50	3.86	-0.11	0.0	-2.36e-04	3.23e-05
926	264	-0.20	-5.05e-03	-0.13	0.0	-1.01e-04	7.70e-06
926	275	-8.94e-03	0.23	-0.12	0.0	-4.78e-06	3.19e-06
926	280	-0.01	-0.06	-0.15	0.0	-6.78e-06	3.69e-06
926	298	-0.01	9.52e-03	-0.12	0.0	-5.55e-06	3.03e-06
926	305	-0.05	5.92e-03	-0.12	0.0	-2.43e-05	3.76e-06
926	307	-9.81e-03	0.05	-0.12	0.0	-5.11e-06	2.89e-06
926	310	-0.01	8.78e-03	-0.12	0.0	-5.27e-06	2.86e-06
927	44	-0.38	-7.96e-03	-0.25	0.0	-1.51e-04	1.36e-05
927	67	-0.02	0.44	-0.24	0.0	-7.02e-06	4.87e-06
927	76	-0.02	-0.10	-0.29	0.0	-1.00e-05	5.64e-06
927	116	-3.83	0.42	-0.16	0.0	-1.45e-03	-1.07e-04
927	138	0.48	-3.52	-0.17	0.0	1.80e-04	-2.43e-05
927	139	-0.51	3.54	-0.15	0.0	-1.91e-04	3.04e-05
927	148	-4.31	0.47	-0.16	0.0	-1.63e-03	-1.21e-04
927	170	0.54	-3.98	-0.17	0.0	2.02e-04	-2.80e-05
927	171	-0.56	4.00	-0.15	0.0	-2.13e-04	3.40e-05
927	180	-4.26	0.42	-0.16	0.0	-1.61e-03	-1.21e-04
927	202	0.51	-4.06	-0.17	0.0	1.91e-04	-2.84e-05
927	203	-0.54	4.08	-0.15	0.0	-2.02e-04	3.44e-05
927	212	-4.98	0.45	-0.16	0.0	-1.88e-03	-1.43e-04
927	234	0.59	-4.82	-0.17	0.0	2.20e-04	-3.43e-05
927	235	-0.61	4.84	-0.15	0.0	-2.31e-04	4.03e-05
927	264	-0.25	-4.97e-03	-0.17	0.0	-1.01e-04	9.19e-06
927	275	-0.01	0.29	-0.17	0.0	-4.92e-06	3.40e-06
927	280	-0.02	-0.07	-0.20	0.0	-6.91e-06	3.91e-06
927	298	-0.01	0.01	-0.17	0.0	-5.65e-06	3.21e-06
927	305	-0.06	8.70e-03	-0.16	0.0	-2.44e-05	4.18e-06
927	307	-0.01	0.07	-0.16	0.0	-5.22e-06	3.06e-06
927	310	-0.01	0.01	-0.16	0.0	-5.36e-06	3.03e-06
928	4	0.07	0.02	-0.22	0.0	3.35e-05	7.17e-06
928	44	-0.31	-7.05e-03	-0.19	0.0	-1.54e-04	1.17e-05
928	67	-0.02	0.35	-0.18	0.0	-7.29e-06	7.20e-06
928	116	-3.05	0.34	-0.12	0.0	-1.47e-03	-1.16e-04
928	118	2.67	-1.65	-0.12	0.0	1.28e-03	8.17e-05
928	139	-0.42	2.82	-0.12	0.0	-2.00e-04	2.23e-05
928	148	-3.43	0.37	-0.12	0.0	-1.65e-03	-1.31e-04
928	150	3.00	-1.86	-0.13	0.0	1.44e-03	9.11e-05
928	171	-0.47	3.19	-0.12	0.0	-2.23e-04	2.47e-05
928	180	-3.38	0.33	-0.12	0.0	-1.63e-03	-1.31e-04
928	182	2.95	-1.86	-0.13	0.0	1.42e-03	8.96e-05
928	203	-0.44	3.26	-0.12	0.0	-2.12e-04	2.54e-05
928	212	-3.96	0.36	-0.11	0.0	-1.90e-03	-1.55e-04
928	214	3.44	-2.20	-0.13	0.0	1.65e-03	1.04e-04
928	235	-0.51	3.86	-0.11	0.0	-2.43e-04	2.95e-05
928	244	0.04	0.02	-0.15	0.0	2.21e-05	4.99e-06
928	264	-0.21	-4.43e-03	-0.13	0.0	-1.03e-04	8.03e-06
928	275	-0.01	0.23	-0.13	0.0	-5.11e-06	5.00e-06
928	298	-0.01	0.01	-0.13	0.0	-5.87e-06	4.74e-06
928	305	-0.05	6.48e-03	-0.12	0.0	-2.49e-05	5.06e-06
928	307	-0.01	0.05	-0.12	0.0	-5.42e-06	4.52e-06
928	310	-0.01	9.34e-03	-0.12	0.0	-5.57e-06	4.47e-06
929	4	0.08	0.03	-0.29	0.0	3.37e-05	6.15e-06
929	44	-0.39	-7.38e-03	-0.25	0.0	-1.53e-04	1.36e-05
929	67	-0.02	0.43	-0.24	0.0	-7.09e-06	6.88e-06
929	116	-3.77	0.43	-0.16	0.0	-1.44e-03	-1.31e-04
929	118	3.30	-2.07	-0.17	0.0	1.26e-03	8.75e-05
929	139	-0.52	3.54	-0.16	0.0	-1.96e-04	2.82e-05
929	148	-4.24	0.47	-0.16	0.0	-1.61e-03	-1.48e-04
929	150	3.71	-2.33	-0.17	0.0	1.41e-03	9.77e-05
929	171	-0.58	4.00	-0.16	0.0	-2.18e-04	3.15e-05
929	180	-4.19	0.42	-0.16	0.0	-1.59e-03	-1.48e-04
929	182	3.65	-2.34	-0.17	0.0	1.39e-03	9.60e-05
929	203	-0.55	4.08	-0.16	0.0	-2.08e-04	3.21e-05
929	212	-4.89	0.45	-0.16	0.0	-1.86e-03	-1.75e-04
929	214	4.26	-2.75	-0.17	0.0	1.62e-03	1.12e-04

929	235	-0.63	4.85	-0.15	0.0	-2.37e-04	3.75e-05
929	244	0.05	0.02	-0.20	0.0	2.22e-05	4.30e-06
929	264	-0.26	-4.57e-03	-0.18	0.0	-1.02e-04	9.29e-06
929	275	-0.01	0.29	-0.17	0.0	-4.97e-06	4.79e-06
929	298	-0.02	0.01	-0.17	0.0	-5.70e-06	4.54e-06
929	305	-0.06	9.05e-03	-0.16	0.0	-2.47e-05	5.17e-06
929	307	-0.01	0.07	-0.16	0.0	-5.26e-06	4.33e-06
929	310	-0.01	0.01	-0.16	0.0	-5.41e-06	4.28e-06
930	4	0.06	0.03	-0.22	0.0	3.41e-05	1.34e-05
930	44	-0.32	-6.15e-03	-0.19	0.0	-1.56e-04	1.40e-05
930	67	-0.02	0.35	-0.18	0.0	-7.29e-06	1.18e-05
930	116	-2.98	0.34	-0.11	0.0	-1.45e-03	-1.44e-04
930	121	2.77	0.65	-0.13	0.0	1.36e-03	7.43e-05
930	139	-0.43	2.82	-0.12	0.0	-2.04e-04	2.08e-05
930	148	-3.35	0.37	-0.11	0.0	-1.63e-03	-1.62e-04
930	153	3.11	0.73	-0.13	0.0	1.53e-03	8.28e-05
930	171	-0.47	3.19	-0.12	0.0	-2.28e-04	2.27e-05
930	180	-3.31	0.33	-0.11	0.0	-1.61e-03	-1.62e-04
930	185	3.07	0.76	-0.13	0.0	1.50e-03	8.30e-05
930	203	-0.45	3.26	-0.12	0.0	-2.17e-04	2.37e-05
930	212	-3.86	0.36	-0.11	0.0	-1.88e-03	-1.92e-04
930	217	3.58	0.91	-0.13	0.0	1.75e-03	9.69e-05
930	235	-0.52	3.86	-0.12	0.0	-2.49e-04	2.73e-05
930	244	0.04	0.02	-0.15	0.0	2.25e-05	9.24e-06
930	264	-0.21	-3.81e-03	-0.13	0.0	-1.04e-04	9.63e-06
930	275	-0.01	0.23	-0.13	0.0	-5.12e-06	8.18e-06
930	298	-0.02	0.01	-0.13	0.0	-5.89e-06	7.79e-06
930	305	-0.05	7.03e-03	-0.12	0.0	-2.52e-05	7.61e-06
930	307	-0.01	0.05	-0.12	0.0	-5.44e-06	7.41e-06
930	310	-0.02	9.89e-03	-0.12	0.0	-5.59e-06	7.34e-06
931	4	0.08	0.03	-0.29	0.0	3.59e-05	1.12e-05
931	44	-0.39	-6.80e-03	-0.26	0.0	-1.55e-04	1.54e-05
931	67	-0.02	0.43	-0.25	0.0	-5.92e-06	1.05e-05
931	116	-3.70	0.43	-0.15	0.0	-1.43e-03	-1.53e-04
931	121	3.44	0.82	-0.17	0.0	1.34e-03	6.37e-05
931	139	-0.53	3.54	-0.16	0.0	-2.00e-04	2.70e-05
931	148	-4.15	0.47	-0.15	0.0	-1.60e-03	-1.73e-04
931	153	3.87	0.92	-0.17	0.0	1.51e-03	7.10e-05
931	171	-0.59	4.00	-0.16	0.0	-2.23e-04	2.98e-05
931	180	-4.10	0.42	-0.15	0.0	-1.58e-03	-1.72e-04
931	185	3.82	0.95	-0.17	0.0	1.49e-03	7.16e-05
931	203	-0.56	4.08	-0.16	0.0	-2.13e-04	3.07e-05
931	212	-4.79	0.45	-0.15	0.0	-1.85e-03	-2.04e-04
931	217	4.45	1.14	-0.18	0.0	1.73e-03	8.40e-05
931	235	-0.64	4.84	-0.16	0.0	-2.44e-04	3.56e-05
931	244	0.05	0.02	-0.20	0.0	2.37e-05	7.74e-06
931	264	-0.26	-4.17e-03	-0.18	0.0	-1.04e-04	1.06e-05
931	275	-0.02	0.29	-0.17	0.0	-4.17e-06	7.33e-06
931	298	-0.02	0.01	-0.17	0.0	-4.96e-06	7.00e-06
931	305	-0.07	9.40e-03	-0.16	0.0	-2.44e-05	7.22e-06
931	307	-0.02	0.07	-0.16	0.0	-4.55e-06	6.66e-06
931	310	-0.02	0.01	-0.16	0.0	-4.71e-06	6.59e-06
932	44	-0.33	-5.27e-03	-0.19	0.0	-1.58e-04	1.74e-05
932	52	-0.04	0.22	-0.22	0.0	-8.86e-06	2.15e-05
932	67	-0.03	0.35	-0.18	0.0	-6.85e-06	1.77e-05
932	116	-2.90	0.34	-0.11	0.0	-1.44e-03	-1.72e-04
932	125	2.64	0.84	-0.14	0.0	1.33e-03	9.36e-05
932	139	-0.43	2.82	-0.12	0.0	-2.08e-04	1.99e-05
932	148	-3.25	0.37	-0.10	0.0	-1.61e-03	-1.95e-04
932	157	2.98	0.95	-0.14	0.0	1.49e-03	1.04e-04
932	171	-0.48	3.19	-0.13	0.0	-2.32e-04	2.13e-05
932	180	-3.21	0.33	-0.10	0.0	-1.59e-03	-1.94e-04
932	189	2.93	0.98	-0.14	0.0	1.47e-03	1.03e-04
932	203	-0.46	3.26	-0.13	0.0	-2.22e-04	2.27e-05
932	212	-3.75	0.36	-0.10	0.0	-1.86e-03	-2.30e-04
932	221	3.41	1.16	-0.14	0.0	1.71e-03	1.18e-04
932	235	-0.53	3.86	-0.13	0.0	-2.55e-04	2.57e-05
932	264	-0.22	-3.19e-03	-0.13	0.0	-1.06e-04	1.21e-05
932	268	-0.03	0.15	-0.15	0.0	-6.17e-06	1.48e-05
932	275	-0.02	0.23	-0.13	0.0	-4.82e-06	1.23e-05
932	298	-0.02	0.01	-0.13	0.0	-5.62e-06	1.17e-05
932	305	-0.06	7.58e-03	-0.12	0.0	-2.53e-05	1.10e-05
932	307	-0.02	0.05	-0.12	0.0	-5.18e-06	1.12e-05
932	310	-0.02	0.01	-0.12	0.0	-5.34e-06	1.11e-05
933	44	-0.40	-6.26e-03	-0.26	0.0	-1.56e-04	1.86e-05

933	52	-0.04	0.27	-0.30	0.0	-4.53e-06	1.91e-05
933	67	-0.03	0.43	-0.25	0.0	-3.27e-06	1.57e-05
933	116	-3.61	0.43	-0.15	0.0	-1.43e-03	-1.73e-04
933	125	3.31	1.06	-0.18	0.0	1.33e-03	6.98e-05
933	139	-0.53	3.54	-0.17	0.0	-2.04e-04	2.68e-05
933	148	-4.05	0.47	-0.14	0.0	-1.60e-03	-1.96e-04
933	157	3.72	1.20	-0.19	0.0	1.49e-03	7.73e-05
933	171	-0.60	4.00	-0.17	0.0	-2.28e-04	2.92e-05
933	180	-4.00	0.42	-0.14	0.0	-1.58e-03	-1.95e-04
933	189	3.67	1.22	-0.19	0.0	1.47e-03	7.66e-05
933	203	-0.57	4.08	-0.17	0.0	-2.18e-04	3.04e-05
933	212	-4.68	0.45	-0.14	0.0	-1.85e-03	-2.32e-04
933	221	4.27	1.45	-0.19	0.0	1.71e-03	8.79e-05
933	235	-0.65	4.84	-0.17	0.0	-2.50e-04	3.49e-05
933	264	-0.27	-3.80e-03	-0.18	0.0	-1.04e-04	1.28e-05
933	268	-0.03	0.18	-0.21	0.0	-3.17e-06	1.32e-05
933	275	-0.02	0.29	-0.17	0.0	-2.34e-06	1.09e-05
933	298	-0.02	0.01	-0.17	0.0	-3.24e-06	1.04e-05
933	305	-0.07	9.73e-03	-0.16	0.0	-2.33e-05	1.02e-05
933	307	-0.02	0.07	-0.16	0.0	-2.91e-06	9.92e-06
933	310	-0.02	0.01	-0.16	0.0	-3.09e-06	9.83e-06
934	44	-0.34	-4.39e-03	-0.19	0.0	-1.61e-04	2.05e-05
934	52	-0.05	0.22	-0.22	0.0	-8.20e-06	2.73e-05
934	67	-0.04	0.35	-0.19	0.0	-6.28e-06	2.24e-05
934	116	-2.79	0.34	-0.10	0.0	-1.43e-03	-1.91e-04
934	125	2.58	0.85	-0.15	0.0	1.35e-03	1.19e-04
934	139	-0.44	2.82	-0.13	0.0	-2.13e-04	1.99e-05
934	148	-3.13	0.37	-0.09	0.0	-1.61e-03	-2.16e-04
934	157	2.91	0.95	-0.16	0.0	1.51e-03	1.32e-04
934	171	-0.49	3.19	-0.13	0.0	-2.37e-04	2.10e-05
934	180	-3.09	0.33	-0.09	0.0	-1.58e-03	-2.15e-04
934	189	2.86	0.98	-0.16	0.0	1.49e-03	1.31e-04
934	203	-0.47	3.26	-0.13	0.0	-2.27e-04	2.27e-05
934	212	-3.61	0.36	-0.09	0.0	-1.85e-03	-2.55e-04
934	221	3.33	1.16	-0.16	0.0	1.73e-03	1.50e-04
934	235	-0.53	3.86	-0.14	0.0	-2.61e-04	2.53e-05
934	264	-0.23	-2.58e-03	-0.13	0.0	-1.07e-04	1.43e-05
934	268	-0.04	0.15	-0.16	0.0	-5.71e-06	1.88e-05
934	275	-0.03	0.23	-0.13	0.0	-4.43e-06	1.56e-05
934	298	-0.03	0.01	-0.13	0.0	-5.27e-06	1.49e-05
934	305	-0.07	8.12e-03	-0.12	0.0	-2.54e-05	1.37e-05
934	307	-0.03	0.06	-0.12	0.0	-4.84e-06	1.42e-05
934	310	-0.03	0.01	-0.12	0.0	-5.01e-06	1.40e-05
935	44	-0.42	-5.73e-03	-0.26	0.0	-1.56e-04	2.24e-05
935	52	-0.05	0.27	-0.30	0.0	0.0	2.53e-05
935	67	-0.04	0.43	-0.25	0.0	0.0	2.08e-05
935	116	-3.51	0.43	-0.13	0.0	-1.44e-03	-1.85e-04
935	125	3.26	1.06	-0.20	0.0	1.37e-03	8.90e-05
935	139	-0.54	3.54	-0.18	0.0	-2.09e-04	2.79e-05
935	148	-3.94	0.47	-0.13	0.0	-1.62e-03	-2.10e-04
935	157	3.67	1.20	-0.21	0.0	1.54e-03	9.86e-05
935	171	-0.60	4.00	-0.18	0.0	-2.33e-04	3.01e-05
935	180	-3.89	0.42	-0.13	0.0	-1.60e-03	-2.09e-04
935	189	3.62	1.22	-0.21	0.0	1.51e-03	9.76e-05
935	203	-0.58	4.08	-0.18	0.0	-2.23e-04	3.16e-05
935	212	-4.54	0.45	-0.12	0.0	-1.87e-03	-2.49e-04
935	221	4.21	1.45	-0.21	0.0	1.76e-03	1.12e-04
935	235	-0.66	4.84	-0.18	0.0	-2.57e-04	3.58e-05
935	264	-0.28	-3.43e-03	-0.18	0.0	-1.04e-04	1.56e-05
935	268	-0.04	0.18	-0.21	0.0	0.0	1.74e-05
935	275	-0.03	0.29	-0.18	0.0	0.0	1.44e-05
935	298	-0.03	0.01	-0.17	0.0	0.0	1.38e-05
935	305	-0.08	0.01	-0.16	0.0	-2.13e-05	1.32e-05
935	307	-0.03	0.07	-0.17	0.0	0.0	1.32e-05
935	310	-0.03	0.01	-0.17	0.0	0.0	1.30e-05
936	44	-0.35	-3.48e-03	-0.19	0.0	-1.64e-04	1.96e-05
936	52	-0.07	0.22	-0.23	0.0	-8.62e-06	2.45e-05
936	68	-0.06	0.35	-0.20	0.0	-6.84e-06	2.14e-05
936	116	-2.69	0.34	-0.07	0.0	-1.43e-03	-1.75e-04
936	125	2.51	0.85	-0.18	0.0	1.37e-03	1.01e-04
936	139	-0.44	2.82	-0.15	0.0	-2.18e-04	2.11e-05
936	148	-3.01	0.37	-0.07	0.0	-1.60e-03	-1.98e-04
936	157	2.83	0.95	-0.19	0.0	1.54e-03	1.12e-04
936	171	-0.49	3.19	-0.15	0.0	-2.43e-04	2.25e-05
936	180	-2.97	0.33	-0.07	0.0	-1.58e-03	-1.97e-04

936	189	2.78	0.98	-0.19	0.0	1.52e-03	1.10e-04
936	203	-0.47	3.25	-0.15	0.0	-2.33e-04	2.40e-05
936	212	-3.47	0.36	-0.06	0.0	-1.85e-03	-2.34e-04
936	221	3.24	1.16	-0.20	0.0	1.76e-03	1.27e-04
936	235	-0.54	3.86	-0.16	0.0	-2.68e-04	2.70e-05
936	264	-0.23	-1.95e-03	-0.14	0.0	-1.10e-04	1.36e-05
936	268	-0.05	0.15	-0.16	0.0	-6.01e-06	1.69e-05
936	276	-0.04	0.23	-0.14	0.0	-4.83e-06	1.48e-05
936	298	-0.04	0.01	-0.13	0.0	-5.53e-06	1.34e-05
936	305	-0.08	8.69e-03	-0.12	0.0	-2.61e-05	1.25e-05
936	307	-0.04	0.06	-0.13	0.0	-5.08e-06	1.27e-05
936	310	-0.04	0.01	-0.12	0.0	-5.25e-06	1.26e-05
937	44	-0.43	-5.20e-03	-0.26	0.0	-1.57e-04	2.35e-05
937	52	-0.07	0.27	-0.31	0.0	5.55e-06	2.53e-05
937	67	-0.06	0.43	-0.26	0.0	5.05e-06	2.08e-05
937	116	-3.41	0.43	-0.11	0.0	-1.45e-03	-1.73e-04
937	125	3.21	1.06	-0.24	0.0	1.41e-03	7.71e-05
937	139	-0.55	3.54	-0.20	0.0	-2.13e-04	3.01e-05
937	148	-3.83	0.47	-0.10	0.0	-1.63e-03	-1.97e-04
937	157	3.62	1.20	-0.25	0.0	1.59e-03	8.51e-05
937	171	-0.61	4.00	-0.20	0.0	-2.39e-04	3.25e-05
937	180	-3.78	0.42	-0.10	0.0	-1.61e-03	-1.96e-04
937	189	3.56	1.23	-0.25	0.0	1.56e-03	8.44e-05
937	203	-0.59	4.08	-0.20	0.0	-2.29e-04	3.39e-05
937	212	-4.41	0.45	-0.08	0.0	-1.89e-03	-2.33e-04
937	221	4.15	1.45	-0.26	0.0	1.82e-03	9.65e-05
937	235	-0.68	4.84	-0.21	0.0	-2.64e-04	3.84e-05
937	264	-0.29	-3.06e-03	-0.18	0.0	-1.05e-04	1.63e-05
937	268	-0.05	0.18	-0.22	0.0	3.75e-06	1.75e-05
937	275	-0.04	0.29	-0.18	0.0	3.42e-06	1.45e-05
937	298	-0.04	0.02	-0.18	0.0	2.22e-06	1.39e-05
937	305	-0.09	0.01	-0.17	0.0	-1.94e-05	1.34e-05
937	307	-0.04	0.07	-0.17	0.0	2.29e-06	1.32e-05
937	310	-0.04	0.01	-0.17	0.0	2.05e-06	1.31e-05
938	4	4.57e-03	0.03	-0.25	0.0	3.61e-05	2.03e-06
938	44	-0.36	-2.64e-03	-0.19	0.0	-1.69e-04	1.00e-05
938	68	-0.07	0.35	-0.22	0.0	-8.81e-06	3.63e-06
938	124	-2.61	-0.63	0.05	0.0	-1.42e-03	-5.92e-06
938	125	2.47	0.85	-0.32	0.0	1.38e-03	-5.72e-06
938	139	-0.45	2.82	-0.16	0.0	-2.23e-04	2.37e-05
938	156	-2.93	-0.71	0.07	0.0	-1.60e-03	-7.12e-06
938	157	2.78	0.96	-0.34	0.0	1.56e-03	-6.63e-06
938	171	-0.50	3.19	-0.17	0.0	-2.48e-04	2.66e-05
938	188	-2.89	-0.73	0.07	0.0	-1.58e-03	-8.46e-06
938	189	2.74	0.98	-0.34	0.0	1.53e-03	-6.14e-06
938	203	-0.48	3.25	-0.17	0.0	-2.39e-04	2.70e-05
938	212	-3.36	0.36	0.09	0.0	-1.84e-03	-1.25e-04
938	217	3.26	0.91	-0.37	0.0	1.82e-03	1.58e-05
938	235	-0.55	3.86	-0.18	0.0	-2.75e-04	3.17e-05
938	244	1.06e-03	0.02	-0.18	0.0	2.37e-05	1.46e-06
938	264	-0.24	-1.35e-03	-0.14	0.0	-1.13e-04	6.78e-06
938	276	-0.05	0.23	-0.16	0.0	-6.20e-06	2.53e-06
938	298	-0.05	0.01	-0.14	0.0	-6.78e-06	2.26e-06
938	305	-0.08	9.23e-03	-0.13	0.0	-2.76e-05	3.00e-06
938	307	-0.04	0.06	-0.14	0.0	-6.27e-06	2.15e-06
938	310	-0.04	0.01	-0.13	0.0	-6.44e-06	2.13e-06
939	4	0.03	0.04	-0.33	0.0	5.44e-05	2.29e-06
939	44	-0.45	-4.85e-03	-0.26	0.0	-1.60e-04	1.24e-05
939	67	-0.07	0.43	-0.27	0.0	5.64e-06	4.09e-06
939	124	-3.34	-0.79	0.03	0.0	-1.46e-03	-7.01e-06
939	125	3.18	1.06	-0.38	0.0	1.44e-03	-7.60e-06
939	139	-0.56	3.54	-0.21	0.0	-2.18e-04	2.95e-05
939	156	-3.75	-0.89	0.06	0.0	-1.64e-03	-8.44e-06
939	157	3.58	1.20	-0.41	0.0	1.61e-03	-8.78e-06
939	171	-0.62	4.00	-0.22	0.0	-2.44e-04	3.31e-05
939	188	-3.69	-0.92	0.06	0.0	-1.62e-03	-1.01e-05
939	189	3.53	1.23	-0.41	0.0	1.59e-03	-8.18e-06
939	203	-0.60	4.08	-0.22	0.0	-2.35e-04	3.36e-05
939	212	-4.30	0.45	0.08	0.0	-1.89e-03	-1.53e-04
939	221	4.11	1.45	-0.44	0.0	1.85e-03	-9.55e-06
939	235	-0.69	4.84	-0.23	0.0	-2.71e-04	3.94e-05
939	244	0.01	0.02	-0.23	0.0	3.63e-05	1.66e-06
939	264	-0.30	-2.81e-03	-0.18	0.0	-1.07e-04	8.41e-06
939	275	-0.05	0.29	-0.19	0.0	3.81e-06	2.86e-06
939	298	-0.05	0.02	-0.18	0.0	2.56e-06	2.70e-06

939	305	-0.10	0.01	-0.17	0.0	-1.95e-05	3.65e-06
939	307	-0.05	0.07	-0.18	0.0	2.62e-06	2.57e-06
939	310	-0.05	0.01	-0.18	0.0	2.37e-06	2.54e-06
940	43	-0.41	-7.19e-03	-0.25	0.0	-1.50e-04	1.32e-05
940	67	-7.43e-03	0.52	-0.23	0.0	-7.13e-06	6.76e-06
940	76	-0.01	-0.12	-0.29	0.0	-1.17e-05	7.75e-06
940	116	-4.69	0.50	-0.21	0.0	-1.62e-03	-2.15e-04
940	139	-0.53	4.19	-0.07	0.0	-1.77e-04	2.70e-05
940	140	-2.04	-3.36	-0.28	0.0	-7.14e-04	-1.20e-04
940	148	-5.27	0.55	-0.22	0.0	-1.82e-03	-2.43e-04
940	171	-0.58	4.73	-0.05	0.0	-1.96e-04	3.01e-05
940	172	-2.30	-3.81	-0.29	0.0	-8.03e-04	-1.35e-04
940	180	-5.21	0.49	-0.22	0.0	-1.80e-03	-2.42e-04
940	203	-0.55	4.83	-0.05	0.0	-1.84e-04	3.13e-05
940	204	-2.29	-3.92	-0.29	0.0	-8.01e-04	-1.35e-04
940	212	-6.10	0.54	-0.23	0.0	-2.11e-03	-2.86e-04
940	235	-0.62	5.73	-0.03	0.0	-2.07e-04	3.68e-05
940	236	-2.69	-4.68	-0.32	0.0	-9.40e-04	-1.60e-04
940	263	-0.27	-4.34e-03	-0.17	0.0	-1.00e-04	9.16e-06
940	275	-5.21e-03	0.34	-0.16	0.0	-5.14e-06	4.83e-06
940	280	-0.01	-0.08	-0.21	0.0	-8.17e-06	5.49e-06
940	298	-8.02e-03	0.02	-0.17	0.0	-6.79e-06	4.74e-06
940	305	-0.06	0.01	-0.16	0.0	-2.52e-05	5.44e-06
940	307	-7.05e-03	0.08	-0.16	0.0	-6.21e-06	4.57e-06
940	310	-7.62e-03	0.02	-0.16	0.0	-6.54e-06	4.56e-06
941	44	-0.47	-9.90e-03	-0.34	0.0	-1.30e-04	2.49e-05
941	67	-0.01	0.59	-0.31	0.0	-3.59e-05	7.21e-06
941	76	-0.02	-0.13	-0.39	0.0	-5.08e-05	8.13e-06
941	116	-5.38	0.58	-0.28	0.0	-1.27e-03	2.70e-05
941	139	-0.60	4.84	-0.11	0.0	-1.45e-04	8.87e-05
941	140	-2.35	-3.89	-0.35	0.0	-5.83e-04	-3.97e-05
941	148	-6.04	0.64	-0.28	0.0	-1.42e-03	2.93e-05
941	171	-0.67	5.47	-0.09	0.0	-1.58e-04	9.93e-05
941	172	-2.64	-4.40	-0.36	0.0	-6.53e-04	-4.55e-05
941	180	-5.98	0.57	-0.29	0.0	-1.41e-03	2.54e-05
941	203	-0.63	5.59	-0.09	0.0	-1.48e-04	9.83e-05
941	204	-2.64	-4.54	-0.37	0.0	-6.53e-04	-4.61e-05
941	212	-7.00	0.62	-0.30	0.0	-1.64e-03	2.75e-05
941	235	-0.71	6.63	-0.07	0.0	-1.63e-04	1.15e-04
941	236	-3.09	-5.41	-0.40	0.0	-7.63e-04	-5.53e-05
941	264	-0.32	-6.20e-03	-0.24	0.0	-8.79e-05	1.68e-05
941	275	-8.04e-03	0.39	-0.22	0.0	-2.53e-05	5.03e-06
941	280	-0.01	-0.09	-0.27	0.0	-3.52e-05	5.64e-06
941	298	-0.01	0.02	-0.23	0.0	-2.87e-05	4.69e-06
941	305	-0.07	0.01	-0.22	0.0	-3.89e-05	6.80e-06
941	307	-0.01	0.09	-0.22	0.0	-2.66e-05	4.50e-06
941	310	-0.01	0.02	-0.22	0.0	-2.72e-05	4.43e-06
942	44	-0.42	-8.14e-03	-0.28	0.0	-1.48e-04	1.77e-05
942	67	-0.01	0.51	-0.26	0.0	-6.14e-06	5.77e-06
942	76	-0.02	-0.12	-0.33	0.0	-9.80e-06	6.64e-06
942	116	-4.61	0.50	-0.21	0.0	-1.56e-03	4.23e-05
942	139	-0.54	4.19	-0.13	0.0	-1.79e-04	8.47e-05
942	140	-2.00	-3.36	-0.24	0.0	-6.81e-04	-2.98e-05
942	148	-5.18	0.55	-0.21	0.0	-1.75e-03	4.67e-05
942	171	-0.60	4.73	-0.13	0.0	-1.99e-04	9.49e-05
942	172	-2.25	-3.81	-0.25	0.0	-7.66e-04	-3.43e-05
942	180	-5.12	0.49	-0.21	0.0	-1.73e-03	4.35e-05
942	203	-0.57	4.83	-0.12	0.0	-1.87e-04	9.41e-05
942	204	-2.24	-3.92	-0.25	0.0	-7.64e-04	-3.47e-05
942	212	-5.99	0.54	-0.22	0.0	-2.03e-03	4.89e-05
942	235	-0.64	5.73	-0.11	0.0	-2.12e-04	1.10e-04
942	236	-2.63	-4.68	-0.26	0.0	-8.96e-04	-4.18e-05
942	264	-0.28	-5.01e-03	-0.20	0.0	-9.91e-05	1.20e-05
942	275	-7.80e-03	0.34	-0.19	0.0	-4.37e-06	4.09e-06
942	280	-0.01	-0.08	-0.23	0.0	-6.81e-06	4.67e-06
942	298	-0.01	0.02	-0.19	0.0	-5.60e-06	3.97e-06
942	305	-0.06	0.01	-0.18	0.0	-2.40e-05	5.37e-06
942	307	-9.50e-03	0.08	-0.18	0.0	-5.11e-06	3.82e-06
942	310	-0.01	0.02	-0.18	0.0	-5.35e-06	3.79e-06
943	44	-0.48	-8.79e-03	-0.41	0.0	-1.47e-04	2.25e-05
943	67	-0.01	0.59	-0.39	0.0	-4.19e-05	6.51e-06
943	76	-0.02	-0.13	-0.48	0.0	-5.89e-05	7.30e-06
943	116	-5.31	0.58	-0.29	0.0	-1.48e-03	-1.20e-04
943	139	-0.62	4.84	-0.21	0.0	-1.78e-04	4.66e-05
943	140	-2.31	-3.88	-0.33	0.0	-6.74e-04	-8.56e-05

943	148	-5.97	0.64	-0.30	0.0	-1.66e-03	-1.35e-04
943	171	-0.69	5.47	-0.20	0.0	-1.94e-04	5.22e-05
943	172	-2.60	-4.40	-0.34	0.0	-7.55e-04	-9.69e-05
943	180	-5.91	0.57	-0.30	0.0	-1.64e-03	-1.34e-04
943	203	-0.65	5.59	-0.20	0.0	-1.82e-04	5.27e-05
943	204	-2.59	-4.53	-0.34	0.0	-7.54e-04	-9.61e-05
943	212	-6.91	0.62	-0.30	0.0	-1.91e-03	-1.59e-04
943	235	-0.74	6.63	-0.19	0.0	-2.02e-04	6.17e-05
943	236	-3.04	-5.41	-0.35	0.0	-8.81e-04	-1.14e-04
943	264	-0.32	-5.43e-03	-0.29	0.0	-9.93e-05	1.52e-05
943	275	-0.01	0.39	-0.27	0.0	-2.95e-05	4.54e-06
943	280	-0.02	-0.09	-0.33	0.0	-4.08e-05	5.06e-06
943	298	-0.01	0.02	-0.28	0.0	-3.33e-05	4.20e-06
943	305	-0.07	0.01	-0.26	0.0	-4.45e-05	6.11e-06
943	307	-0.01	0.09	-0.26	0.0	-3.08e-05	4.03e-06
943	310	-0.01	0.02	-0.26	0.0	-3.16e-05	3.96e-06
944	44	-0.43	-8.06e-03	-0.31	0.0	-1.48e-04	1.78e-05
944	67	-0.01	0.51	-0.29	0.0	-6.12e-06	4.97e-06
944	76	-0.02	-0.12	-0.36	0.0	-9.28e-06	5.67e-06
944	116	-4.57	0.50	-0.21	0.0	-1.50e-03	2.38e-05
944	139	-0.56	4.19	-0.17	0.0	-1.81e-04	7.39e-05
944	140	-1.97	-3.36	-0.23	0.0	-6.51e-04	-3.27e-05
944	148	-5.14	0.55	-0.21	0.0	-1.69e-03	2.58e-05
944	171	-0.62	4.73	-0.17	0.0	-2.02e-04	8.28e-05
944	172	-2.22	-3.81	-0.23	0.0	-7.32e-04	-3.74e-05
944	180	-5.08	0.49	-0.21	0.0	-1.67e-03	2.24e-05
944	203	-0.59	4.83	-0.17	0.0	-1.90e-04	8.17e-05
944	204	-2.21	-3.92	-0.23	0.0	-7.30e-04	-3.78e-05
944	212	-5.95	0.54	-0.22	0.0	-1.95e-03	2.43e-05
944	235	-0.67	5.73	-0.16	0.0	-2.16e-04	9.55e-05
944	236	-2.59	-4.68	-0.24	0.0	-8.56e-04	-4.52e-05
944	264	-0.29	-4.96e-03	-0.22	0.0	-9.87e-05	1.20e-05
944	275	-9.94e-03	0.34	-0.20	0.0	-4.31e-06	3.49e-06
944	280	-0.02	-0.08	-0.25	0.0	-6.42e-06	3.97e-06
944	298	-0.01	0.02	-0.21	0.0	-5.25e-06	3.33e-06
944	305	-0.07	0.01	-0.20	0.0	-2.37e-05	4.86e-06
944	307	-0.01	0.08	-0.20	0.0	-4.81e-06	3.19e-06
944	310	-0.01	0.02	-0.20	0.0	-5.00e-06	3.16e-06
945	44	-0.49	-7.96e-03	-0.46	0.0	-1.56e-04	1.95e-05
945	67	-0.02	0.59	-0.43	0.0	-4.54e-05	5.75e-06
945	76	-0.03	-0.13	-0.53	0.0	-6.33e-05	6.34e-06
945	116	-5.25	0.58	-0.31	0.0	-1.56e-03	-1.34e-04
945	139	-0.64	4.84	-0.26	0.0	-1.97e-04	4.42e-05
945	140	-2.27	-3.88	-0.33	0.0	-7.07e-04	-9.16e-05
945	148	-5.90	0.64	-0.31	0.0	-1.75e-03	-1.51e-04
945	171	-0.71	5.47	-0.26	0.0	-2.16e-04	4.96e-05
945	172	-2.55	-4.40	-0.33	0.0	-7.91e-04	-1.04e-04
945	180	-5.83	0.57	-0.31	0.0	-1.73e-03	-1.50e-04
945	203	-0.67	5.58	-0.25	0.0	-2.03e-04	5.01e-05
945	204	-2.54	-4.53	-0.33	0.0	-7.90e-04	-1.03e-04
945	212	-6.82	0.62	-0.31	0.0	-2.02e-03	-1.78e-04
945	235	-0.77	6.63	-0.25	0.0	-2.26e-04	5.88e-05
945	236	-2.98	-5.40	-0.34	0.0	-9.23e-04	-1.22e-04
945	264	-0.33	-4.85e-03	-0.32	0.0	-1.05e-04	1.32e-05
945	275	-0.01	0.39	-0.30	0.0	-3.19e-05	4.01e-06
945	280	-0.02	-0.09	-0.36	0.0	-4.38e-05	4.40e-06
945	298	-0.02	0.02	-0.31	0.0	-3.58e-05	3.66e-06
945	305	-0.08	0.01	-0.29	0.0	-4.76e-05	5.30e-06
945	307	-0.01	0.09	-0.29	0.0	-3.32e-05	3.52e-06
945	310	-0.01	0.02	-0.29	0.0	-3.40e-05	3.45e-06
946	44	-0.44	-7.84e-03	-0.33	0.0	-1.49e-04	1.63e-05
946	67	-0.02	0.51	-0.31	0.0	-6.66e-06	4.64e-06
946	76	-0.03	-0.12	-0.38	0.0	-9.70e-06	5.26e-06
946	116	-4.53	0.50	-0.22	0.0	-1.46e-03	-1.07e-04
946	139	-0.58	4.19	-0.19	0.0	-1.84e-04	3.78e-05
946	140	-1.94	-3.36	-0.23	0.0	-6.26e-04	-7.47e-05
946	148	-5.09	0.55	-0.22	0.0	-1.64e-03	-1.21e-04
946	171	-0.64	4.73	-0.19	0.0	-2.04e-04	4.24e-05
946	172	-2.19	-3.81	-0.23	0.0	-7.04e-04	-8.45e-05
946	180	-5.03	0.49	-0.22	0.0	-1.62e-03	-1.20e-04
946	203	-0.61	4.83	-0.19	0.0	-1.94e-04	4.28e-05
946	204	-2.18	-3.92	-0.23	0.0	-7.02e-04	-8.37e-05
946	212	-5.89	0.54	-0.22	0.0	-1.89e-03	-1.43e-04
946	235	-0.69	5.73	-0.19	0.0	-2.21e-04	5.01e-05
946	236	-2.55	-4.68	-0.23	0.0	-8.23e-04	-9.90e-05

946	264	-0.29	-4.81e-03	-0.23	0.0	-9.94e-05	1.10e-05
946	275	-0.01	0.34	-0.22	0.0	-4.67e-06	3.25e-06
946	280	-0.02	-0.08	-0.26	0.0	-6.70e-06	3.66e-06
946	298	-0.01	0.02	-0.22	0.0	-5.47e-06	3.04e-06
946	305	-0.07	0.01	-0.21	0.0	-2.39e-05	4.44e-06
946	307	-0.01	0.08	-0.21	0.0	-5.03e-06	2.91e-06
946	310	-0.01	0.02	-0.21	0.0	-5.19e-06	2.87e-06
947	44	-0.50	-7.46e-03	-0.48	0.0	-1.60e-04	1.78e-05
947	67	-0.02	0.59	-0.46	0.0	-4.74e-05	5.36e-06
947	76	-0.03	-0.13	-0.56	0.0	-6.54e-05	5.87e-06
947	116	-5.18	0.58	-0.32	0.0	-1.58e-03	-1.42e-04
947	139	-0.66	4.84	-0.29	0.0	-2.09e-04	4.28e-05
947	140	-2.22	-3.88	-0.33	0.0	-7.08e-04	-9.50e-05
947	148	-5.82	0.64	-0.32	0.0	-1.77e-03	-1.60e-04
947	171	-0.73	5.47	-0.29	0.0	-2.29e-04	4.80e-05
947	172	-2.50	-4.40	-0.33	0.0	-7.93e-04	-1.07e-04
947	180	-5.75	0.57	-0.32	0.0	-1.75e-03	-1.59e-04
947	203	-0.69	5.58	-0.29	0.0	-2.17e-04	4.86e-05
947	204	-2.49	-4.53	-0.33	0.0	-7.92e-04	-1.07e-04
947	212	-6.73	0.62	-0.32	0.0	-2.04e-03	-1.89e-04
947	235	-0.79	6.62	-0.28	0.0	-2.42e-04	5.71e-05
947	236	-2.92	-5.40	-0.33	0.0	-9.24e-04	-1.26e-04
947	264	-0.34	-4.51e-03	-0.34	0.0	-1.08e-04	1.20e-05
947	275	-0.01	0.39	-0.32	0.0	-3.33e-05	3.74e-06
947	280	-0.02	-0.09	-0.39	0.0	-4.53e-05	4.08e-06
947	298	-0.02	0.02	-0.32	0.0	-3.70e-05	3.39e-06
947	305	-0.08	0.01	-0.31	0.0	-4.91e-05	4.87e-06
947	307	-0.02	0.09	-0.31	0.0	-3.44e-05	3.26e-06
947	310	-0.02	0.02	-0.31	0.0	-3.51e-05	3.19e-06
948	44	-0.45	-7.56e-03	-0.34	0.0	-1.51e-04	1.52e-05
948	67	-0.02	0.51	-0.32	0.0	-7.17e-06	4.95e-06
948	76	-0.03	-0.11	-0.39	0.0	-1.01e-05	5.68e-06
948	116	-4.48	0.50	-0.21	0.0	-1.43e-03	-1.27e-04
948	138	0.56	-4.16	-0.23	0.0	1.77e-04	-2.96e-05
948	139	-0.59	4.19	-0.20	0.0	-1.88e-04	3.57e-05
948	148	-5.03	0.55	-0.21	0.0	-1.61e-03	-1.43e-04
948	170	0.63	-4.70	-0.23	0.0	1.99e-04	-3.39e-05
948	171	-0.66	4.73	-0.20	0.0	-2.09e-04	4.00e-05
948	180	-4.97	0.49	-0.21	0.0	-1.59e-03	-1.42e-04
948	202	0.59	-4.80	-0.23	0.0	1.88e-04	-3.44e-05
948	203	-0.63	4.83	-0.20	0.0	-1.99e-04	4.05e-05
948	212	-5.81	0.54	-0.21	0.0	-1.86e-03	-1.69e-04
948	234	0.68	-5.70	-0.23	0.0	2.16e-04	-4.14e-05
948	235	-0.71	5.73	-0.20	0.0	-2.27e-04	4.75e-05
948	264	-0.30	-4.63e-03	-0.24	0.0	-1.01e-04	1.03e-05
948	275	-0.01	0.34	-0.22	0.0	-5.02e-06	3.46e-06
948	280	-0.02	-0.08	-0.27	0.0	-6.98e-06	3.94e-06
948	298	-0.02	0.02	-0.23	0.0	-5.72e-06	3.24e-06
948	305	-0.07	0.01	-0.21	0.0	-2.44e-05	4.42e-06
948	307	-0.01	0.08	-0.21	0.0	-5.28e-06	3.09e-06
948	310	-0.02	0.02	-0.21	0.0	-5.42e-06	3.05e-06
949	44	-0.51	-7.18e-03	-0.50	0.0	-1.62e-04	1.71e-05
949	67	-0.02	0.59	-0.47	0.0	-4.90e-05	5.31e-06
949	76	-0.03	-0.13	-0.57	0.0	-6.71e-05	5.96e-06
949	116	-5.11	0.58	-0.31	0.0	-1.56e-03	-1.48e-04
949	138	0.64	-4.80	-0.33	0.0	1.44e-04	-3.51e-05
949	139	-0.67	4.84	-0.30	0.0	-2.16e-04	4.15e-05
949	148	-5.74	0.64	-0.31	0.0	-1.74e-03	-1.67e-04
949	170	0.71	-5.43	-0.33	0.0	1.65e-04	-4.02e-05
949	171	-0.75	5.47	-0.30	0.0	-2.37e-04	4.66e-05
949	180	-5.67	0.57	-0.31	0.0	-1.73e-03	-1.66e-04
949	202	0.68	-5.54	-0.33	0.0	1.53e-04	-4.08e-05
949	203	-0.71	5.58	-0.30	0.0	-2.25e-04	4.72e-05
949	212	-6.63	0.62	-0.31	0.0	-2.01e-03	-1.97e-04
949	234	0.78	-6.58	-0.33	0.0	1.79e-04	-4.91e-05
949	235	-0.81	6.62	-0.30	0.0	-2.51e-04	5.55e-05
949	264	-0.34	-4.31e-03	-0.35	0.0	-1.10e-04	1.16e-05
949	275	-0.02	0.39	-0.33	0.0	-3.44e-05	3.71e-06
949	280	-0.02	-0.09	-0.40	0.0	-4.65e-05	4.14e-06
949	298	-0.02	0.02	-0.33	0.0	-3.80e-05	3.41e-06
949	305	-0.08	0.01	-0.32	0.0	-5.01e-05	4.80e-06
949	307	-0.02	0.09	-0.32	0.0	-3.53e-05	3.27e-06
949	310	-0.02	0.02	-0.32	0.0	-3.61e-05	3.21e-06
950	4	0.10	0.04	-0.40	0.0	3.38e-05	4.50e-06
950	44	-0.46	-7.27e-03	-0.34	0.0	-1.53e-04	1.50e-05

950	67	-0.02	0.51	-0.33	0.0	-7.05e-06	6.03e-06
950	116	-4.41	0.50	-0.21	0.0	-1.41e-03	-1.42e-04
950	118	3.86	-2.45	-0.23	0.0	1.24e-03	8.93e-05
950	139	-0.60	4.19	-0.21	0.0	-1.93e-04	3.39e-05
950	148	-4.95	0.55	-0.21	0.0	-1.59e-03	-1.60e-04
950	150	4.34	-2.76	-0.23	0.0	1.39e-03	9.97e-05
950	171	-0.67	4.73	-0.21	0.0	-2.15e-04	3.79e-05
950	180	-4.89	0.49	-0.21	0.0	-1.57e-03	-1.60e-04
950	182	4.27	-2.76	-0.23	0.0	1.37e-03	9.79e-05
950	203	-0.64	4.83	-0.21	0.0	-2.04e-04	3.85e-05
950	212	-5.72	0.54	-0.21	0.0	-1.84e-03	-1.89e-04
950	214	4.98	-3.25	-0.23	0.0	1.60e-03	1.14e-04
950	235	-0.73	5.73	-0.21	0.0	-2.34e-04	4.51e-05
950	244	0.06	0.03	-0.27	0.0	2.23e-05	3.19e-06
950	264	-0.30	-4.43e-03	-0.24	0.0	-1.02e-04	1.02e-05
950	275	-0.02	0.34	-0.23	0.0	-4.94e-06	4.20e-06
950	298	-0.02	0.02	-0.23	0.0	-5.64e-06	4.00e-06
950	305	-0.07	0.01	-0.22	0.0	-2.47e-05	4.95e-06
950	307	-0.02	0.08	-0.22	0.0	-5.21e-06	3.80e-06
950	310	-0.02	0.02	-0.22	0.0	-5.35e-06	3.76e-06
951	4	0.11	0.05	-0.59	0.0	-3.57e-05	2.97e-06
951	44	-0.52	-7.05e-03	-0.51	0.0	-1.65e-04	1.69e-05
951	67	-0.03	0.59	-0.49	0.0	-5.10e-05	5.39e-06
951	116	-5.04	0.58	-0.32	0.0	-1.53e-03	-1.55e-04
951	118	4.41	-2.82	-0.33	0.0	1.27e-03	9.30e-05
951	139	-0.69	4.84	-0.32	0.0	-2.22e-04	3.97e-05
951	148	-5.66	0.64	-0.32	0.0	-1.71e-03	-1.75e-04
951	150	4.95	-3.18	-0.33	0.0	1.43e-03	1.04e-04
951	171	-0.77	5.47	-0.32	0.0	-2.43e-04	4.45e-05
951	180	-5.59	0.57	-0.32	0.0	-1.69e-03	-1.74e-04
951	182	4.87	-3.19	-0.33	0.0	1.41e-03	1.02e-04
951	203	-0.73	5.58	-0.32	0.0	-2.32e-04	4.52e-05
951	212	-6.53	0.62	-0.31	0.0	-1.97e-03	-2.06e-04
951	214	5.68	-3.76	-0.33	0.0	1.65e-03	1.18e-04
951	235	-0.84	6.62	-0.31	0.0	-2.60e-04	5.31e-05
951	244	0.07	0.03	-0.41	0.0	-2.56e-05	2.16e-06
951	264	-0.35	-4.23e-03	-0.35	0.0	-1.12e-04	1.14e-05
951	275	-0.02	0.39	-0.34	0.0	-3.58e-05	3.77e-06
951	298	-0.02	0.02	-0.34	0.0	-3.92e-05	3.57e-06
951	305	-0.09	0.01	-0.32	0.0	-5.13e-05	4.88e-06
951	307	-0.02	0.09	-0.32	0.0	-3.65e-05	3.40e-06
951	310	-0.02	0.02	-0.32	0.0	-3.71e-05	3.36e-06
952	4	0.09	0.04	-0.40	0.0	3.70e-05	7.58e-06
952	44	-0.46	-6.98e-03	-0.35	0.0	-1.54e-04	1.60e-05
952	67	-0.03	0.51	-0.33	0.0	-5.08e-06	8.22e-06
952	116	-4.33	0.50	-0.21	0.0	-1.41e-03	-1.54e-04
952	121	4.04	0.97	-0.23	0.0	1.33e-03	5.88e-05
952	139	-0.62	4.19	-0.22	0.0	-1.97e-04	3.31e-05
952	148	-4.87	0.55	-0.21	0.0	-1.59e-03	-1.74e-04
952	153	4.54	1.09	-0.23	0.0	1.50e-03	6.56e-05
952	171	-0.68	4.73	-0.22	0.0	-2.19e-04	3.68e-05
952	180	-4.81	0.49	-0.21	0.0	-1.57e-03	-1.73e-04
952	185	4.48	1.12	-0.23	0.0	1.48e-03	6.64e-05
952	203	-0.65	4.83	-0.22	0.0	-2.09e-04	3.76e-05
952	212	-5.62	0.54	-0.21	0.0	-1.83e-03	-2.05e-04
952	217	5.23	1.35	-0.24	0.0	1.72e-03	7.82e-05
952	235	-0.75	5.73	-0.22	0.0	-2.40e-04	4.39e-05
952	244	0.06	0.03	-0.28	0.0	2.45e-05	5.30e-06
952	264	-0.31	-4.23e-03	-0.24	0.0	-1.03e-04	1.09e-05
952	275	-0.02	0.34	-0.23	0.0	-3.58e-06	5.72e-06
952	298	-0.02	0.02	-0.23	0.0	-4.39e-06	5.50e-06
952	305	-0.08	0.01	-0.22	0.0	-2.39e-05	6.18e-06
952	307	-0.02	0.08	-0.22	0.0	-4.01e-06	5.22e-06
952	310	-0.02	0.02	-0.22	0.0	-4.17e-06	5.17e-06
953	4	0.11	0.05	-0.59	0.0	-3.99e-05	3.81e-06
953	44	-0.53	-6.82e-03	-0.51	0.0	-1.69e-04	1.73e-05
953	67	-0.03	0.59	-0.49	0.0	-5.49e-05	5.93e-06
953	116	-4.96	0.58	-0.31	0.0	-1.48e-03	-1.57e-04
953	121	4.63	1.12	-0.34	0.0	1.29e-03	1.91e-05
953	139	-0.70	4.84	-0.33	0.0	-2.27e-04	3.93e-05
953	148	-5.57	0.64	-0.31	0.0	-1.66e-03	-1.77e-04
953	153	5.21	1.26	-0.34	0.0	1.45e-03	2.13e-05
953	171	-0.78	5.47	-0.32	0.0	-2.49e-04	4.40e-05
953	180	-5.50	0.57	-0.31	0.0	-1.64e-03	-1.76e-04
953	185	5.14	1.30	-0.34	0.0	1.44e-03	2.36e-05

953	203	-0.75	5.58	-0.33	0.0	-2.38e-04	4.46e-05
953	212	-6.43	0.62	-0.31	0.0	-1.92e-03	-2.09e-04
953	217	5.99	1.56	-0.34	0.0	1.68e-03	2.90e-05
953	235	-0.86	6.62	-0.33	0.0	-2.67e-04	5.23e-05
953	244	0.07	0.03	-0.41	0.0	-2.85e-05	2.74e-06
953	264	-0.36	-4.07e-03	-0.36	0.0	-1.15e-04	1.17e-05
953	275	-0.02	0.39	-0.34	0.0	-3.86e-05	4.15e-06
953	298	-0.02	0.02	-0.34	0.0	-4.16e-05	3.99e-06
953	305	-0.09	0.01	-0.33	0.0	-5.37e-05	5.25e-06
953	307	-0.02	0.09	-0.33	0.0	-3.88e-05	3.79e-06
953	310	-0.02	0.02	-0.33	0.0	-3.94e-05	3.76e-06
954	44	-0.47	-6.76e-03	-0.35	0.0	-1.55e-04	1.83e-05
954	52	-0.04	0.32	-0.40	0.0	-1.83e-06	1.42e-05
954	67	-0.03	0.51	-0.34	0.0	-1.05e-06	1.16e-05
954	116	-4.25	0.50	-0.20	0.0	-1.42e-03	-1.63e-04
954	125	3.91	1.25	-0.25	0.0	1.33e-03	3.70e-05
954	139	-0.63	4.19	-0.23	0.0	-2.01e-04	3.35e-05
954	148	-4.77	0.55	-0.20	0.0	-1.60e-03	-1.85e-04
954	157	4.39	1.42	-0.25	0.0	1.49e-03	4.07e-05
954	171	-0.70	4.73	-0.23	0.0	-2.25e-04	3.71e-05
954	180	-4.71	0.49	-0.20	0.0	-1.58e-03	-1.84e-04
954	189	4.33	1.45	-0.25	0.0	1.47e-03	4.02e-05
954	203	-0.67	4.83	-0.23	0.0	-2.15e-04	3.80e-05
954	212	-5.51	0.54	-0.19	0.0	-1.84e-03	-2.19e-04
954	221	5.04	1.72	-0.25	0.0	1.71e-03	4.59e-05
954	235	-0.76	5.73	-0.23	0.0	-2.47e-04	4.41e-05
954	264	-0.32	-4.09e-03	-0.24	0.0	-1.03e-04	1.25e-05
954	268	-0.03	0.21	-0.28	0.0	-1.31e-06	9.83e-06
954	275	-0.02	0.34	-0.24	0.0	0.0	8.10e-06
954	298	-0.02	0.02	-0.23	0.0	-1.77e-06	7.79e-06
954	305	-0.08	0.01	-0.22	0.0	-2.20e-05	8.18e-06
954	307	-0.02	0.08	-0.22	0.0	-1.50e-06	7.40e-06
954	310	-0.02	0.02	-0.22	0.0	-1.70e-06	7.34e-06
955	44	-0.54	-6.86e-03	-0.51	0.0	-1.75e-04	1.84e-05
955	52	-0.04	0.37	-0.60	0.0	-7.60e-05	8.73e-06
955	67	-0.03	0.59	-0.50	0.0	-6.05e-05	7.07e-06
955	116	-4.89	0.58	-0.30	0.0	-1.43e-03	-1.57e-04
955	125	4.50	1.45	-0.35	0.0	1.22e-03	-5.50e-06
955	139	-0.71	4.84	-0.33	0.0	-2.31e-04	4.00e-05
955	148	-5.49	0.64	-0.30	0.0	-1.60e-03	-1.78e-04
955	157	5.06	1.64	-0.36	0.0	1.37e-03	-6.63e-06
955	171	-0.80	5.47	-0.33	0.0	-2.53e-04	4.47e-05
955	180	-5.42	0.57	-0.30	0.0	-1.58e-03	-1.77e-04
955	189	4.99	1.68	-0.36	0.0	1.35e-03	-5.90e-06
955	203	-0.76	5.58	-0.33	0.0	-2.43e-04	4.54e-05
955	212	-6.33	0.62	-0.29	0.0	-1.84e-03	-2.10e-04
955	221	5.81	1.99	-0.36	0.0	1.58e-03	-7.08e-06
955	235	-0.87	6.62	-0.34	0.0	-2.72e-04	5.31e-05
955	264	-0.36	-4.10e-03	-0.36	0.0	-1.19e-04	1.25e-05
955	268	-0.03	0.25	-0.41	0.0	-5.28e-05	6.06e-06
955	275	-0.02	0.39	-0.35	0.0	-4.25e-05	4.95e-06
955	298	-0.02	0.02	-0.34	0.0	-4.51e-05	4.76e-06
955	305	-0.09	0.01	-0.33	0.0	-5.71e-05	5.96e-06
955	307	-0.02	0.09	-0.33	0.0	-4.22e-05	4.53e-06
955	310	-0.02	0.02	-0.33	0.0	-4.28e-05	4.49e-06
956	44	-0.48	-6.59e-03	-0.35	0.0	-1.53e-04	2.16e-05
956	52	-0.05	0.32	-0.41	0.0	6.33e-06	1.91e-05
956	67	-0.04	0.51	-0.34	0.0	5.68e-06	1.57e-05
956	116	-4.16	0.50	-0.19	0.0	-1.44e-03	-1.69e-04
956	125	3.89	1.25	-0.27	0.0	1.38e-03	4.59e-05
956	139	-0.64	4.19	-0.24	0.0	-2.06e-04	3.52e-05
956	148	-4.68	0.55	-0.18	0.0	-1.62e-03	-1.91e-04
956	157	4.37	1.42	-0.27	0.0	1.55e-03	5.05e-05
956	171	-0.71	4.73	-0.24	0.0	-2.30e-04	3.87e-05
956	180	-4.61	0.49	-0.18	0.0	-1.60e-03	-1.91e-04
956	189	4.31	1.45	-0.27	0.0	1.53e-03	5.00e-05
956	203	-0.68	4.83	-0.24	0.0	-2.20e-04	3.97e-05
956	212	-5.39	0.54	-0.17	0.0	-1.87e-03	-2.27e-04
956	221	5.01	1.72	-0.28	0.0	1.77e-03	5.70e-05
956	235	-0.78	5.73	-0.25	0.0	-2.54e-04	4.57e-05
956	264	-0.32	-3.97e-03	-0.24	0.0	-1.02e-04	1.48e-05
956	268	-0.03	0.21	-0.28	0.0	4.30e-06	1.32e-05
956	275	-0.03	0.34	-0.24	0.0	3.87e-06	1.09e-05
956	298	-0.03	0.02	-0.24	0.0	2.67e-06	1.05e-05
956	305	-0.09	0.01	-0.22	0.0	-1.86e-05	1.06e-05

956	307	-0.03	0.08	-0.22	0.0	2.72e-06	9.98e-06
956	310	-0.03	0.02	-0.22	0.0	2.48e-06	9.89e-06
957	44	-0.55	-6.83e-03	-0.52	0.0	-1.84e-04	1.96e-05
957	52	-0.04	0.37	-0.60	0.0	-8.59e-05	1.03e-05
957	67	-0.03	0.59	-0.50	0.0	-6.86e-05	8.36e-06
957	116	-4.81	0.58	-0.29	0.0	-1.37e-03	-1.58e-04
957	125	4.51	1.45	-0.38	0.0	1.17e-03	-2.65e-06
957	139	-0.73	4.84	-0.35	0.0	-2.34e-04	4.09e-05
957	148	-5.40	0.64	-0.28	0.0	-1.53e-03	-1.79e-04
957	157	5.07	1.64	-0.39	0.0	1.32e-03	-3.52e-06
957	171	-0.81	5.46	-0.35	0.0	-2.56e-04	4.56e-05
957	180	-5.33	0.57	-0.28	0.0	-1.51e-03	-1.78e-04
957	189	5.00	1.68	-0.39	0.0	1.30e-03	-2.81e-06
957	203	-0.78	5.58	-0.35	0.0	-2.47e-04	4.63e-05
957	212	-6.23	0.62	-0.27	0.0	-1.76e-03	-2.11e-04
957	221	5.82	1.99	-0.39	0.0	1.52e-03	-3.61e-06
957	235	-0.89	6.62	-0.35	0.0	-2.76e-04	5.41e-05
957	264	-0.37	-4.08e-03	-0.36	0.0	-1.25e-04	1.34e-05
957	268	-0.03	0.25	-0.42	0.0	-5.97e-05	7.13e-06
957	275	-0.02	0.39	-0.35	0.0	-4.81e-05	5.85e-06
957	298	-0.03	0.02	-0.35	0.0	-5.03e-05	5.59e-06
957	305	-0.09	0.01	-0.33	0.0	-6.20e-05	6.74e-06
957	307	-0.02	0.09	-0.33	0.0	-4.73e-05	5.33e-06
957	310	-0.02	0.02	-0.33	0.0	-4.77e-05	5.28e-06
958	44	-0.50	-6.42e-03	-0.35	0.0	-1.50e-04	2.40e-05
958	52	-0.06	0.32	-0.42	0.0	1.69e-05	2.15e-05
958	67	-0.05	0.51	-0.35	0.0	1.44e-05	1.77e-05
958	116	-4.08	0.50	-0.15	0.0	-1.47e-03	-1.64e-04
958	125	3.86	1.25	-0.31	0.0	1.44e-03	4.34e-05
958	139	-0.65	4.19	-0.26	0.0	-2.09e-04	3.73e-05
958	148	-4.58	0.55	-0.15	0.0	-1.65e-03	-1.86e-04
958	157	4.35	1.42	-0.32	0.0	1.61e-03	4.75e-05
958	171	-0.72	4.73	-0.26	0.0	-2.35e-04	4.09e-05
958	180	-4.51	0.49	-0.15	0.0	-1.63e-03	-1.85e-04
958	189	4.28	1.45	-0.32	0.0	1.59e-03	4.70e-05
958	203	-0.69	4.83	-0.27	0.0	-2.25e-04	4.19e-05
958	212	-5.27	0.54	-0.13	0.0	-1.90e-03	-2.20e-04
958	221	4.98	1.72	-0.34	0.0	1.85e-03	5.33e-05
958	235	-0.79	5.73	-0.27	0.0	-2.60e-04	4.80e-05
958	264	-0.33	-3.85e-03	-0.25	0.0	-1.00e-04	1.65e-05
958	268	-0.04	0.21	-0.29	0.0	1.16e-05	1.49e-05
958	275	-0.04	0.34	-0.25	0.0	9.88e-06	1.23e-05
958	298	-0.04	0.02	-0.24	0.0	8.41e-06	1.18e-05
958	305	-0.09	0.01	-0.23	0.0	-1.39e-05	1.19e-05
958	307	-0.03	0.08	-0.23	0.0	8.19e-06	1.12e-05
958	310	-0.03	0.02	-0.23	0.0	7.90e-06	1.11e-05
959	44	-0.56	-6.76e-03	-0.52	0.0	-1.95e-04	2.03e-05
959	52	-0.05	0.37	-0.62	0.0	-9.90e-05	1.10e-05
959	67	-0.04	0.59	-0.51	0.0	-7.92e-05	9.02e-06
959	116	-4.74	0.58	-0.25	0.0	-1.29e-03	-1.58e-04
959	125	4.52	1.45	-0.43	0.0	1.12e-03	-1.84e-06
959	139	-0.74	4.84	-0.37	0.0	-2.37e-04	4.16e-05
959	148	-5.32	0.64	-0.24	0.0	-1.44e-03	-1.78e-04
959	157	5.08	1.64	-0.44	0.0	1.26e-03	-2.66e-06
959	171	-0.82	5.46	-0.38	0.0	-2.58e-04	4.64e-05
959	180	-5.25	0.57	-0.24	0.0	-1.43e-03	-1.78e-04
959	189	5.01	1.67	-0.44	0.0	1.24e-03	-1.95e-06
959	203	-0.79	5.58	-0.38	0.0	-2.50e-04	4.71e-05
959	212	-6.13	0.62	-0.22	0.0	-1.66e-03	-2.11e-04
959	221	5.83	1.99	-0.46	0.0	1.45e-03	-2.67e-06
959	235	-0.91	6.62	-0.39	0.0	-2.80e-04	5.49e-05
959	264	-0.38	-4.03e-03	-0.36	0.0	-1.33e-04	1.38e-05
959	268	-0.03	0.25	-0.43	0.0	-6.88e-05	7.66e-06
959	275	-0.03	0.39	-0.36	0.0	-5.56e-05	6.31e-06
959	298	-0.03	0.02	-0.35	0.0	-5.72e-05	5.99e-06
959	305	-0.10	0.01	-0.33	0.0	-6.86e-05	7.13e-06
959	307	-0.03	0.09	-0.34	0.0	-5.40e-05	5.73e-06
959	310	-0.03	0.02	-0.33	0.0	-5.43e-05	5.67e-06
960	4	0.05	0.04	-0.43	0.0	7.39e-05	2.30e-06
960	44	-0.52	-6.95e-03	-0.35	0.0	-1.48e-04	1.44e-05
960	67	-0.07	0.51	-0.36	0.0	2.10e-05	4.50e-06
960	124	-4.01	-0.93	-7.55e-03	0.0	-1.48e-03	-8.05e-06
960	125	3.84	1.25	-0.46	0.0	1.47e-03	-9.54e-06
960	139	-0.66	4.18	-0.28	0.0	-2.11e-04	3.48e-05
960	156	-4.50	-1.06	0.02	0.0	-1.66e-03	-9.69e-06

960	157	4.33	1.42	-0.49	0.0	1.65e-03	-1.10e-05
960	171	-0.73	4.73	-0.28	0.0	-2.37e-04	3.90e-05
960	188	-4.44	-1.09	0.02	0.0	-1.64e-03	-1.16e-05
960	189	4.26	1.45	-0.48	0.0	1.63e-03	-1.03e-05
960	203	-0.71	4.83	-0.29	0.0	-2.27e-04	3.96e-05
960	212	-5.17	0.54	0.04	0.0	-1.91e-03	-1.78e-04
960	221	4.96	1.72	-0.53	0.0	1.89e-03	-1.20e-05
960	235	-0.81	5.73	-0.30	0.0	-2.64e-04	4.65e-05
960	244	0.03	0.03	-0.30	0.0	4.98e-05	1.68e-06
960	264	-0.35	-4.21e-03	-0.24	0.0	-9.82e-05	9.75e-06
960	275	-0.05	0.34	-0.25	0.0	1.45e-05	3.14e-06
960	298	-0.05	0.02	-0.24	0.0	1.28e-05	2.97e-06
960	305	-0.10	0.01	-0.23	0.0	-1.03e-05	4.12e-06
960	307	-0.04	0.08	-0.23	0.0	1.24e-05	2.83e-06
960	310	-0.04	0.02	-0.23	0.0	1.21e-05	2.80e-06
961	44	-0.57	-6.68e-03	-0.49	0.0	-2.06e-04	1.78e-05
961	52	-0.05	0.37	-0.60	0.0	-1.13e-04	7.64e-06
961	67	-0.04	0.59	-0.50	0.0	-9.03e-05	6.29e-06
961	124	-4.68	-1.08	-0.09	0.0	-1.21e-03	-1.08e-05
961	125	4.53	1.45	-0.56	0.0	1.06e-03	-8.25e-06
961	139	-0.74	4.84	-0.38	0.0	-2.39e-04	4.07e-05
961	156	-5.25	-1.22	-0.06	0.0	-1.35e-03	-1.30e-05
961	157	5.10	1.64	-0.59	0.0	1.20e-03	-9.65e-06
961	171	-0.83	5.46	-0.39	0.0	-2.61e-04	4.56e-05
961	188	-5.18	-1.26	-0.06	0.0	-1.34e-03	-1.52e-05
961	189	5.02	1.67	-0.59	0.0	1.19e-03	-8.88e-06
961	203	-0.80	5.58	-0.39	0.0	-2.53e-04	4.62e-05
961	212	-6.03	0.62	-0.04	0.0	-1.57e-03	-2.07e-04
961	221	5.84	1.99	-0.63	0.0	1.39e-03	-1.05e-05
961	235	-0.92	6.62	-0.41	0.0	-2.83e-04	5.42e-05
961	264	-0.38	-3.98e-03	-0.35	0.0	-1.41e-04	1.21e-05
961	268	-0.04	0.25	-0.42	0.0	-7.83e-05	5.30e-06
961	275	-0.03	0.39	-0.35	0.0	-6.34e-05	4.40e-06
961	298	-0.03	0.02	-0.34	0.0	-6.45e-05	4.16e-06
961	305	-0.10	0.01	-0.32	0.0	-7.55e-05	5.46e-06
961	307	-0.03	0.09	-0.32	0.0	-6.10e-05	3.97e-06
961	310	-0.03	0.02	-0.32	0.0	-6.12e-05	3.92e-06
962	44	-0.09	1.88e-03	-0.06	0.0	-1.83e-04	0.0
962	52	-0.03	0.06	-0.07	0.0	-4.50e-05	-7.66e-06
962	68	-0.02	0.09	-0.06	0.0	-3.87e-05	-6.70e-06
962	124	-0.62	-0.15	-0.01	0.0	-1.28e-03	5.43e-05
962	139	-0.26	0.70	-0.07	0.0	-5.28e-04	1.70e-05
962	141	0.09	0.64	-0.07	0.0	1.82e-04	-1.52e-05
962	156	-0.70	-0.17	-0.01	0.0	-1.44e-03	6.15e-05
962	171	-0.29	0.79	-0.07	0.0	-5.90e-04	1.96e-05
962	173	0.10	0.72	-0.08	0.0	2.07e-04	-1.66e-05
962	188	-0.69	-0.18	-0.01	0.0	-1.42e-03	6.03e-05
962	203	-0.28	0.80	-0.07	0.0	-5.84e-04	1.87e-05
962	205	0.10	0.74	-0.08	0.0	2.00e-04	-1.68e-05
962	220	-0.80	-0.22	-6.88e-03	0.0	-1.65e-03	7.07e-05
962	235	-0.33	0.95	-0.08	0.0	-6.79e-04	2.23e-05
962	237	0.11	0.87	-0.09	0.0	2.34e-04	-1.89e-05
962	264	-0.06	1.46e-03	-0.04	0.0	-1.23e-04	0.0
962	268	-0.02	0.04	-0.05	0.0	-3.11e-05	-5.28e-06
962	276	-0.02	0.06	-0.04	0.0	-2.69e-05	-4.64e-06
962	298	-0.01	4.91e-03	-0.04	0.0	-2.54e-05	-4.19e-06
962	305	-0.02	3.91e-03	-0.04	0.0	-4.32e-05	-3.09e-06
962	307	-0.01	0.02	-0.04	0.0	-2.40e-05	-3.99e-06
962	310	-0.01	4.64e-03	-0.04	0.0	-2.40e-05	-3.95e-06
963	1	0.0	0.0	0.0	0.0	1.98e-05	-1.02e-06
963	113	0.0	0.0	0.0	0.0	1.20e-03	-4.31e-06
963	145	0.0	0.0	0.0	0.0	1.35e-03	-4.75e-06
963	177	0.0	0.0	0.0	0.0	1.33e-03	-4.63e-06
963	209	0.0	0.0	0.0	0.0	1.55e-03	-5.25e-06
963	241	0.0	0.0	0.0	0.0	1.20e-05	0.0
963	297	0.0	0.0	0.0	0.0	-1.65e-05	0.0
963	309	0.0	0.0	0.0	0.0	-1.65e-05	0.0
964	44	-0.18	1.86e-03	-0.11	0.0	-1.80e-04	0.0
964	52	-0.05	0.11	-0.14	0.0	-3.65e-05	-1.18e-05
964	68	-0.04	0.18	-0.12	0.0	-3.12e-05	-1.03e-05
964	124	-1.27	-0.31	-0.03	0.0	-1.32e-03	8.14e-05
964	139	-0.52	1.40	-0.13	0.0	-5.42e-04	2.72e-05
964	141	0.18	1.28	-0.15	0.0	1.92e-04	-2.06e-05
964	156	-1.42	-0.35	-0.02	0.0	-1.49e-03	9.23e-05
964	171	-0.58	1.58	-0.14	0.0	-6.07e-04	3.12e-05

964	173	0.20	1.44	-0.16	0.0	2.18e-04	-2.24e-05
964	188	-1.40	-0.36	-0.02	0.0	-1.46e-03	9.04e-05
964	203	-0.58	1.61	-0.14	0.0	-6.02e-04	2.96e-05
964	205	0.20	1.48	-0.16	0.0	2.10e-04	-2.29e-05
964	220	-1.63	-0.44	-0.01	0.0	-1.70e-03	1.06e-04
964	235	-0.67	1.91	-0.16	0.0	-7.00e-04	3.52e-05
964	237	0.23	1.76	-0.18	0.0	2.44e-04	-2.58e-05
964	264	-0.12	1.58e-03	-0.08	0.0	-1.21e-04	0.0
964	268	-0.03	0.08	-0.09	0.0	-2.52e-05	-8.14e-06
964	276	-0.03	0.12	-0.08	0.0	-2.17e-05	-7.14e-06
964	298	-0.03	8.54e-03	-0.08	0.0	-2.07e-05	-6.45e-06
964	305	-0.05	6.60e-03	-0.07	0.0	-3.94e-05	-4.70e-06
964	307	-0.03	0.03	-0.07	0.0	-1.95e-05	-6.14e-06
964	310	-0.03	8.05e-03	-0.07	0.0	-1.96e-05	-6.09e-06
965	44	-0.27	6.71e-04	-0.17	0.0	-1.76e-04	0.0
965	52	-0.07	0.17	-0.21	0.0	-2.46e-05	-1.41e-05
965	68	-0.06	0.26	-0.18	0.0	-2.08e-05	-1.23e-05
965	124	-1.94	-0.47	-0.04	0.0	-1.37e-03	8.42e-05
965	139	-0.80	2.11	-0.20	0.0	-2.25e-04	3.27e-05
965	141	0.28	1.92	-0.22	0.0	5.39e-04	-1.67e-05
965	156	-2.18	-0.53	-0.03	0.0	-1.54e-03	9.54e-05
965	171	-0.89	2.38	-0.21	0.0	-2.50e-04	3.76e-05
965	173	0.31	2.18	-0.24	0.0	6.09e-04	-1.79e-05
965	188	-2.15	-0.55	-0.03	0.0	-1.52e-03	9.31e-05
965	203	-0.88	2.43	-0.21	0.0	-2.42e-04	3.57e-05
965	205	0.30	2.23	-0.24	0.0	6.03e-04	-1.84e-05
965	220	-2.49	-0.66	-0.02	0.0	-1.76e-03	1.09e-04
965	235	-1.03	2.88	-0.23	0.0	-2.78e-04	4.26e-05
965	237	0.35	2.65	-0.27	0.0	7.06e-04	-2.03e-05
965	264	-0.18	8.67e-04	-0.12	0.0	-1.18e-04	0.0
965	268	-0.05	0.11	-0.14	0.0	-1.70e-05	-9.68e-06
965	276	-0.04	0.18	-0.13	0.0	-1.45e-05	-8.48e-06
965	298	-0.04	0.01	-0.11	0.0	-1.42e-05	-7.68e-06
965	305	-0.06	8.58e-03	-0.11	0.0	-3.40e-05	-5.56e-06
965	307	-0.04	0.04	-0.11	0.0	-1.34e-05	-7.30e-06
965	310	-0.04	0.01	-0.11	0.0	-1.34e-05	-7.23e-06
966	44	-0.09	3.23e-03	-0.05	0.0	-1.82e-04	-1.02e-06
966	52	-0.02	0.06	-0.06	0.0	-3.76e-05	-9.16e-06
966	68	-0.02	0.09	-0.05	0.0	-3.22e-05	-8.00e-06
966	124	-0.66	-0.15	-0.01	0.0	-1.33e-03	5.33e-05
966	139	-0.27	0.70	-0.07	0.0	-5.36e-04	1.63e-05
966	141	0.10	0.64	-0.07	0.0	1.99e-04	-1.58e-05
966	156	-0.74	-0.17	-0.01	0.0	-1.49e-03	6.04e-05
966	171	-0.30	0.79	-0.07	0.0	-6.00e-04	1.89e-05
966	173	0.11	0.72	-0.08	0.0	2.26e-04	-1.72e-05
966	188	-0.73	-0.18	-0.01	0.0	-1.47e-03	5.93e-05
966	201	0.10	0.66	-0.08	0.0	2.05e-04	-1.11e-05
966	203	-0.29	0.80	-0.07	0.0	-5.93e-04	1.80e-05
966	220	-0.84	-0.22	-7.97e-03	0.0	-1.71e-03	6.96e-05
966	233	0.12	0.78	-0.09	0.0	2.41e-04	-1.22e-05
966	235	-0.34	0.95	-0.08	0.0	-6.90e-04	2.16e-05
966	264	-0.06	2.41e-03	-0.03	0.0	-1.22e-04	0.0
966	268	-0.01	0.04	-0.04	0.0	-2.60e-05	-6.31e-06
966	276	-0.01	0.06	-0.04	0.0	-2.24e-05	-5.54e-06
966	298	-0.01	5.78e-03	-0.03	0.0	-2.13e-05	-5.01e-06
966	305	-0.02	4.74e-03	-0.03	0.0	-4.01e-05	-3.84e-06
966	307	-0.01	0.02	-0.03	0.0	-2.01e-05	-4.77e-06
966	310	-0.01	5.47e-03	-0.03	0.0	-2.01e-05	-4.73e-06
967	1	0.0	0.0	0.0	0.0	2.56e-05	-1.25e-06
967	113	0.0	0.0	0.0	0.0	1.24e-03	-5.24e-06
967	145	0.0	0.0	0.0	0.0	1.40e-03	-5.75e-06
967	177	0.0	0.0	0.0	0.0	1.37e-03	-5.62e-06
967	209	0.0	0.0	0.0	0.0	1.61e-03	-6.38e-06
967	241	0.0	0.0	0.0	0.0	1.61e-05	0.0
967	297	0.0	0.0	0.0	0.0	-1.37e-05	0.0
967	309	0.0	0.0	0.0	0.0	-1.37e-05	0.0
968	44	-0.18	3.53e-03	-0.10	0.0	-1.80e-04	-1.70e-06
968	52	-0.04	0.12	-0.12	0.0	-3.15e-05	-1.58e-05
968	68	-0.03	0.18	-0.11	0.0	-2.68e-05	-1.38e-05
968	124	-1.32	-0.31	-0.03	0.0	-1.35e-03	9.24e-05
968	137	0.18	1.13	-0.14	0.0	1.92e-04	-1.49e-05
968	139	-0.53	1.40	-0.13	0.0	-5.43e-04	2.92e-05
968	156	-1.49	-0.35	-0.02	0.0	-1.52e-03	1.05e-04
968	169	0.21	1.28	-0.15	0.0	2.18e-04	-1.57e-05
968	171	-0.60	1.58	-0.14	0.0	-6.08e-04	3.37e-05

968	188	-1.46	-0.36	-0.02	0.0	-1.49e-03	1.03e-04
968	201	0.20	1.32	-0.15	0.0	2.10e-04	-1.61e-05
968	203	-0.59	1.61	-0.14	0.0	-6.01e-04	3.20e-05
968	220	-1.70	-0.44	-0.02	0.0	-1.73e-03	1.20e-04
968	233	0.24	1.57	-0.17	0.0	2.47e-04	-1.77e-05
968	235	-0.69	1.91	-0.16	0.0	-7.00e-04	3.83e-05
968	264	-0.12	2.75e-03	-0.07	0.0	-1.21e-04	-1.48e-06
968	268	-0.03	0.08	-0.08	0.0	-2.18e-05	-1.09e-05
968	276	-0.02	0.12	-0.07	0.0	-1.87e-05	-9.51e-06
968	298	-0.02	9.62e-03	-0.07	0.0	-1.80e-05	-8.62e-06
968	305	-0.04	7.63e-03	-0.06	0.0	-3.73e-05	-6.59e-06
968	307	-0.02	0.03	-0.06	0.0	-1.69e-05	-8.19e-06
968	310	-0.02	9.08e-03	-0.06	0.0	-1.70e-05	-8.12e-06
969	44	-0.27	2.39e-03	-0.15	0.0	-1.76e-04	-1.94e-06
969	52	-0.06	0.17	-0.18	0.0	-2.24e-05	-1.95e-05
969	68	-0.05	0.27	-0.16	0.0	-1.89e-05	-1.70e-05
969	124	-2.00	-0.47	-0.04	0.0	-1.37e-03	1.05e-04
969	137	0.28	1.71	-0.22	0.0	5.27e-04	-1.07e-05
969	139	-0.81	2.11	-0.20	0.0	-2.25e-04	3.57e-05
969	156	-2.25	-0.53	-0.04	0.0	-1.54e-03	1.19e-04
969	169	0.32	1.93	-0.23	0.0	5.94e-04	-1.08e-05
969	171	-0.90	2.38	-0.22	0.0	-2.50e-04	4.12e-05
969	188	-2.21	-0.55	-0.04	0.0	-1.52e-03	1.16e-04
969	201	0.31	1.99	-0.24	0.0	5.87e-04	-1.13e-05
969	203	-0.89	2.43	-0.22	0.0	-2.43e-04	3.91e-05
969	220	-2.57	-0.66	-0.03	0.0	-1.77e-03	1.36e-04
969	233	0.36	2.37	-0.26	0.0	6.89e-04	-1.17e-05
969	235	-1.04	2.88	-0.24	0.0	-2.79e-04	4.69e-05
969	264	-0.18	2.08e-03	-0.10	0.0	-1.18e-04	-1.72e-06
969	268	-0.04	0.11	-0.13	0.0	-1.55e-05	-1.35e-05
969	276	-0.03	0.18	-0.11	0.0	-1.32e-05	-1.18e-05
969	298	-0.03	0.01	-0.10	0.0	-1.30e-05	-1.07e-05
969	305	-0.06	9.63e-03	-0.09	0.0	-3.32e-05	-8.15e-06
969	307	-0.03	0.04	-0.10	0.0	-1.22e-05	-1.02e-05
969	310	-0.03	0.01	-0.10	0.0	-1.23e-05	-1.01e-05
970	44	-0.09	3.77e-03	-0.03	0.0	-1.81e-04	-1.14e-06
970	52	-0.02	0.06	-0.03	0.0	-3.04e-05	-8.20e-06
970	68	-0.01	0.09	-0.03	0.0	-2.59e-05	-7.14e-06
970	123	-0.69	0.13	-0.02	0.0	-1.37e-03	5.26e-05
970	137	0.10	0.56	-0.03	0.0	1.97e-04	-6.76e-06
970	139	-0.27	0.69	-0.03	0.0	-5.43e-04	1.33e-05
970	155	-0.77	0.14	-0.02	0.0	-1.54e-03	5.97e-05
970	169	0.11	0.64	-0.03	0.0	2.22e-04	-7.08e-06
970	171	-0.30	0.78	-0.03	0.0	-6.08e-04	1.55e-05
970	187	-0.76	0.15	-0.02	0.0	-1.52e-03	5.87e-05
970	201	0.11	0.66	-0.03	0.0	2.16e-04	-7.28e-06
970	203	-0.30	0.80	-0.03	0.0	-6.01e-04	1.46e-05
970	219	-0.88	0.18	-0.02	0.0	-1.76e-03	6.90e-05
970	233	0.13	0.78	-0.03	0.0	2.53e-04	-7.87e-06
970	235	-0.35	0.95	-0.03	0.0	-6.99e-04	1.76e-05
970	264	-0.06	2.78e-03	-0.02	0.0	-1.22e-04	0.0
970	268	-0.01	0.04	-0.02	0.0	-2.10e-05	-5.64e-06
970	276	-0.01	0.06	-0.02	0.0	-1.81e-05	-4.94e-06
970	298	-9.58e-03	6.10e-03	-0.02	0.0	-1.74e-05	-4.49e-06
970	305	-0.02	5.05e-03	-0.02	0.0	-3.71e-05	-3.46e-06
970	307	-9.04e-03	0.02	-0.02	0.0	-1.64e-05	-4.26e-06
970	310	-9.05e-03	5.78e-03	-0.02	0.0	-1.64e-05	-4.23e-06
971	1	0.0	0.0	0.0	0.0	3.10e-05	-1.12e-06
971	113	0.0	0.0	0.0	0.0	1.15e-03	-4.05e-06
971	145	0.0	0.0	0.0	0.0	1.29e-03	-4.44e-06
971	177	0.0	0.0	0.0	0.0	1.27e-03	-4.31e-06
971	209	0.0	0.0	0.0	0.0	1.48e-03	-4.86e-06
971	241	0.0	0.0	0.0	0.0	1.99e-05	0.0
971	297	0.0	0.0	0.0	0.0	-1.11e-05	0.0
971	309	0.0	0.0	0.0	0.0	-1.11e-05	0.0
972	44	-0.18	4.26e-03	-0.05	0.0	-1.80e-04	-1.79e-06
972	52	-0.03	0.12	-0.06	0.0	-2.65e-05	-1.44e-05
972	68	-0.03	0.18	-0.06	0.0	-2.26e-05	-1.26e-05
972	123	-1.37	0.25	-0.04	0.0	-1.38e-03	9.90e-05
972	137	0.20	1.13	-0.06	0.0	1.99e-04	-9.74e-06
972	139	-0.54	1.40	-0.05	0.0	-5.44e-04	2.56e-05
972	155	-1.54	0.29	-0.04	0.0	-1.55e-03	1.12e-04
972	169	0.22	1.28	-0.06	0.0	2.25e-04	-1.00e-05
972	171	-0.61	1.58	-0.05	0.0	-6.09e-04	2.96e-05
972	187	-1.52	0.30	-0.04	0.0	-1.52e-03	1.10e-04

972	201	0.21	1.32	-0.06	0.0	2.18e-04	-1.04e-05
972	203	-0.60	1.61	-0.06	0.0	-6.02e-04	2.81e-05
972	219	-1.76	0.36	-0.04	0.0	-1.77e-03	1.30e-04
972	233	0.25	1.57	-0.06	0.0	2.55e-04	-1.10e-05
972	235	-0.70	1.91	-0.06	0.0	-7.01e-04	3.37e-05
972	264	-0.12	3.26e-03	-0.04	0.0	-1.20e-04	-1.51e-06
972	268	-0.02	0.08	-0.04	0.0	-1.84e-05	-9.93e-06
972	276	-0.02	0.12	-0.04	0.0	-1.57e-05	-8.69e-06
972	298	-0.02	0.01	-0.04	0.0	-1.53e-05	-7.90e-06
972	305	-0.04	8.06e-03	-0.03	0.0	-3.53e-05	-6.07e-06
972	307	-0.02	0.03	-0.03	0.0	-1.44e-05	-7.51e-06
972	310	-0.02	9.51e-03	-0.03	0.0	-1.44e-05	-7.45e-06
973	44	-0.27	3.09e-03	-0.08	0.0	-1.77e-04	-1.48e-06
973	52	-0.04	0.17	-0.09	0.0	-2.08e-05	-1.78e-05
973	68	-0.04	0.27	-0.08	0.0	-1.76e-05	-1.55e-05
973	123	-2.06	0.38	-0.05	0.0	-1.38e-03	1.26e-04
973	137	0.30	1.71	-0.08	0.0	2.03e-04	-5.63e-06
973	139	-0.81	2.11	-0.08	0.0	-5.45e-04	3.41e-05
973	155	-2.32	0.43	-0.05	0.0	-1.55e-03	1.43e-04
973	169	0.33	1.93	-0.08	0.0	2.28e-04	-5.16e-06
973	171	-0.91	2.38	-0.08	0.0	-6.11e-04	3.93e-05
973	187	-2.28	0.45	-0.05	0.0	-1.53e-03	1.41e-04
973	201	0.32	1.99	-0.08	0.0	2.21e-04	-5.55e-06
973	203	-0.90	2.43	-0.08	0.0	-6.04e-04	3.73e-05
973	219	-2.65	0.54	-0.05	0.0	-1.78e-03	1.66e-04
973	233	0.38	2.37	-0.09	0.0	2.58e-04	-5.03e-06
973	235	-1.05	2.88	-0.09	0.0	-7.05e-04	4.48e-05
973	264	-0.18	2.56e-03	-0.05	0.0	-1.19e-04	-1.38e-06
973	268	-0.03	0.11	-0.07	0.0	-1.44e-05	-1.22e-05
973	276	-0.03	0.18	-0.06	0.0	-1.23e-05	-1.07e-05
973	298	-0.03	0.01	-0.05	0.0	-1.22e-05	-9.75e-06
973	305	-0.06	0.01	-0.05	0.0	-3.27e-05	-7.39e-06
973	307	-0.02	0.05	-0.05	0.0	-1.14e-05	-9.25e-06
973	310	-0.02	0.01	-0.05	0.0	-1.15e-05	-9.19e-06
974	44	-0.09	3.52e-03	-0.02	0.0	-1.81e-04	0.0
974	52	-0.01	0.06	-0.02	0.0	-2.46e-05	-6.57e-06
974	68	-0.01	0.09	-0.02	0.0	-2.09e-05	-5.71e-06
974	123	-0.71	0.13	-0.01	0.0	-1.41e-03	4.31e-05
974	137	0.10	0.56	-0.02	0.0	2.04e-04	-2.71e-06
974	139	-0.27	0.69	-0.02	0.0	-5.46e-04	1.15e-05
974	155	-0.79	0.14	-0.01	0.0	-1.58e-03	4.89e-05
974	169	0.12	0.63	-0.02	0.0	2.30e-04	-2.62e-06
974	171	-0.31	0.78	-0.02	0.0	-6.12e-04	1.33e-05
974	187	-0.78	0.15	-0.01	0.0	-1.56e-03	4.81e-05
974	201	0.11	0.65	-0.02	0.0	2.24e-04	-2.76e-06
974	203	-0.30	0.80	-0.02	0.0	-6.04e-04	1.26e-05
974	219	-0.91	0.18	-0.01	0.0	-1.81e-03	5.67e-05
974	233	0.13	0.78	-0.02	0.0	2.62e-04	-2.70e-06
974	235	-0.35	0.94	-0.02	0.0	-7.04e-04	1.52e-05
974	264	-0.06	2.60e-03	-0.01	0.0	-1.21e-04	0.0
974	268	-9.06e-03	0.04	-0.02	0.0	-1.71e-05	-4.52e-06
974	276	-7.76e-03	0.06	-0.01	0.0	-1.46e-05	-3.95e-06
974	298	-7.53e-03	5.90e-03	-0.01	0.0	-1.42e-05	-3.60e-06
974	305	-0.02	4.86e-03	-0.01	0.0	-3.47e-05	-2.75e-06
974	307	-7.09e-03	0.02	-0.01	0.0	-1.34e-05	-3.42e-06
974	310	-7.11e-03	5.58e-03	-0.01	0.0	-1.34e-05	-3.40e-06
975	1	0.0	0.0	0.0	0.0	3.54e-05	0.0
975	113	0.0	0.0	0.0	0.0	1.17e-03	-2.77e-06
975	145	0.0	0.0	0.0	0.0	1.32e-03	-3.01e-06
975	177	0.0	0.0	0.0	0.0	1.30e-03	-2.89e-06
975	209	0.0	0.0	0.0	0.0	1.51e-03	-3.23e-06
975	241	0.0	0.0	0.0	0.0	2.29e-05	0.0
975	297	0.0	0.0	0.0	0.0	-8.96e-06	0.0
975	309	0.0	0.0	0.0	0.0	-8.96e-06	0.0
976	44	-0.18	4.09e-03	-0.04	0.0	-1.80e-04	0.0
976	52	-0.03	0.12	-0.05	0.0	-2.28e-05	-1.15e-05
976	68	-0.02	0.18	-0.04	0.0	-1.94e-05	-9.98e-06
976	123	-1.41	0.25	-0.03	0.0	-1.40e-03	8.26e-05
976	137	0.20	1.13	-0.03	0.0	2.04e-04	-2.40e-06
976	139	-0.55	1.39	-0.03	0.0	-5.44e-04	2.30e-05
976	155	-1.59	0.28	-0.03	0.0	-1.58e-03	9.37e-05
976	169	0.23	1.28	-0.03	0.0	2.30e-04	-1.93e-06
976	171	-0.61	1.57	-0.03	0.0	-6.09e-04	2.65e-05
976	187	-1.56	0.30	-0.03	0.0	-1.55e-03	9.22e-05
976	201	0.22	1.32	-0.03	0.0	2.24e-04	-2.16e-06

976	203	-0.61	1.61	-0.03	0.0	-6.02e-04	2.52e-05
976	219	-1.81	0.35	-0.03	0.0	-1.80e-03	1.09e-04
976	233	0.26	1.57	-0.03	0.0	2.62e-04	-1.57e-06
976	235	-0.71	1.90	-0.03	0.0	-7.01e-04	3.02e-05
976	264	-0.12	3.14e-03	-0.03	0.0	-1.21e-04	0.0
976	268	-0.02	0.08	-0.03	0.0	-1.58e-05	-7.91e-06
976	276	-0.02	0.12	-0.03	0.0	-1.35e-05	-6.90e-06
976	298	-0.01	9.93e-03	-0.03	0.0	-1.32e-05	-6.30e-06
976	305	-0.04	7.92e-03	-0.03	0.0	-3.39e-05	-4.76e-06
976	307	-0.01	0.03	-0.03	0.0	-1.24e-05	-5.98e-06
976	310	-0.01	9.37e-03	-0.03	0.0	-1.25e-05	-5.94e-06
977	44	-0.27	2.80e-03	-0.06	0.0	-1.79e-04	0.0
977	52	-0.04	0.17	-0.07	0.0	-2.02e-05	-1.38e-05
977	68	-0.03	0.26	-0.06	0.0	-1.71e-05	-1.20e-05
977	123	-2.11	0.38	-0.04	0.0	-1.39e-03	1.08e-04
977	137	0.31	1.71	-0.04	0.0	2.04e-04	3.20e-06
977	139	-0.82	2.10	-0.04	0.0	-5.40e-04	3.25e-05
977	155	-2.37	0.43	-0.04	0.0	-1.56e-03	1.23e-04
977	169	0.35	1.93	-0.04	0.0	2.30e-04	4.56e-06
977	171	-0.92	2.38	-0.04	0.0	-6.05e-04	3.73e-05
977	187	-2.34	0.44	-0.04	0.0	-1.54e-03	1.21e-04
977	201	0.34	1.99	-0.04	0.0	2.23e-04	4.38e-06
977	203	-0.91	2.43	-0.04	0.0	-5.98e-04	3.56e-05
977	219	-2.71	0.53	-0.04	0.0	-1.79e-03	1.43e-04
977	233	0.39	2.37	-0.04	0.0	2.61e-04	6.37e-06
977	235	-1.06	2.88	-0.04	0.0	-6.97e-04	4.27e-05
977	264	-0.18	2.36e-03	-0.04	0.0	-1.20e-04	0.0
977	268	-0.03	0.11	-0.05	0.0	-1.40e-05	-9.49e-06
977	276	-0.02	0.18	-0.04	0.0	-1.19e-05	-8.27e-06
977	298	-0.02	0.01	-0.04	0.0	-1.18e-05	-7.58e-06
977	305	-0.05	9.85e-03	-0.04	0.0	-3.27e-05	-5.57e-06
977	307	-0.02	0.04	-0.04	0.0	-1.11e-05	-7.18e-06
977	310	-0.02	0.01	-0.04	0.0	-1.12e-05	-7.14e-06
978	44	-0.09	3.22e-03	-0.02	0.0	-1.81e-04	0.0
978	52	-0.01	0.06	-0.02	0.0	-2.04e-05	-5.31e-06
978	68	-8.63e-03	0.09	-0.02	0.0	-1.73e-05	-4.61e-06
978	123	-0.72	0.12	-0.01	0.0	-1.44e-03	3.76e-05
978	138	0.26	-0.67	-0.02	0.0	5.25e-04	-1.65e-05
978	139	-0.28	0.68	-8.04e-03	0.0	-5.48e-04	1.10e-05
978	155	-0.81	0.14	-0.01	0.0	-1.62e-03	4.26e-05
978	170	0.30	-0.76	-0.02	0.0	5.92e-04	-1.81e-05
978	171	-0.31	0.77	-7.52e-03	0.0	-6.14e-04	1.26e-05
978	187	-0.80	0.15	-0.01	0.0	-1.59e-03	4.19e-05
978	202	0.29	-0.78	-0.02	0.0	5.83e-04	-1.75e-05
978	203	-0.31	0.79	-7.43e-03	0.0	-6.06e-04	1.20e-05
978	219	-0.93	0.17	-0.01	0.0	-1.85e-03	4.94e-05
978	234	0.34	-0.92	-0.02	0.0	6.83e-04	-2.00e-05
978	235	-0.36	0.94	-6.57e-03	0.0	-7.05e-04	1.45e-05
978	264	-0.06	2.39e-03	-0.01	0.0	-1.21e-04	0.0
978	268	-7.08e-03	0.04	-0.02	0.0	-1.42e-05	-3.66e-06
978	276	-6.03e-03	0.06	-0.01	0.0	-1.21e-05	-3.19e-06
978	298	-5.95e-03	5.67e-03	-0.01	0.0	-1.19e-05	-2.92e-06
978	305	-0.02	4.64e-03	-0.01	0.0	-3.31e-05	-2.19e-06
978	307	-5.59e-03	0.02	-0.01	0.0	-1.12e-05	-2.77e-06
978	310	-5.62e-03	5.36e-03	-0.01	0.0	-1.13e-05	-2.75e-06
979	1	0.0	0.0	0.0	0.0	3.88e-05	0.0
979	113	0.0	0.0	0.0	0.0	1.19e-03	-1.97e-06
979	145	0.0	0.0	0.0	0.0	1.34e-03	-2.12e-06
979	177	0.0	0.0	0.0	0.0	1.31e-03	-2.01e-06
979	209	0.0	0.0	0.0	0.0	1.53e-03	-2.22e-06
979	241	0.0	0.0	0.0	0.0	2.53e-05	0.0
979	297	0.0	0.0	0.0	0.0	-7.37e-06	0.0
979	309	0.0	0.0	0.0	0.0	-7.37e-06	0.0
980	44	-0.18	3.84e-03	-0.04	0.0	-1.81e-04	0.0
980	52	-0.02	0.11	-0.05	0.0	-2.03e-05	-9.15e-06
980	68	-0.02	0.18	-0.04	0.0	-1.72e-05	-7.93e-06
980	123	-1.44	0.25	-0.02	0.0	-1.42e-03	7.23e-05
980	138	0.53	-1.37	-0.03	0.0	5.20e-04	-3.18e-05
980	139	-0.55	1.39	-0.02	0.0	-5.43e-04	2.23e-05
980	155	-1.62	0.28	-0.02	0.0	-1.60e-03	8.19e-05
980	170	0.59	-1.55	-0.03	0.0	5.86e-04	-3.50e-05
980	171	-0.62	1.57	-0.02	0.0	-6.08e-04	2.56e-05
980	187	-1.60	0.29	-0.02	0.0	-1.57e-03	8.07e-05
980	202	0.59	-1.58	-0.03	0.0	5.78e-04	-3.39e-05
980	203	-0.61	1.60	-0.02	0.0	-6.00e-04	2.44e-05

980	219	-1.85	0.35	-0.02	0.0	-1.83e-03	9.51e-05
980	234	0.69	-1.88	-0.03	0.0	6.76e-04	-3.87e-05
980	235	-0.71	1.90	-0.02	0.0	-6.99e-04	2.93e-05
980	264	-0.12	2.96e-03	-0.03	0.0	-1.21e-04	0.0
980	268	-0.01	0.08	-0.03	0.0	-1.41e-05	-6.30e-06
980	276	-0.01	0.12	-0.03	0.0	-1.20e-05	-5.48e-06
980	298	-0.01	9.74e-03	-0.03	0.0	-1.19e-05	-5.03e-06
980	305	-0.03	7.74e-03	-0.02	0.0	-3.30e-05	-3.70e-06
980	307	-0.01	0.03	-0.02	0.0	-1.11e-05	-4.77e-06
980	310	-0.01	9.18e-03	-0.02	0.0	-1.12e-05	-4.74e-06
981	44	-0.27	2.47e-03	-0.05	0.0	-1.81e-04	1.53e-06
981	52	-0.03	0.17	-0.07	0.0	-2.02e-05	-1.07e-05
981	68	-0.03	0.26	-0.06	0.0	-1.71e-05	-9.22e-06
981	123	-2.15	0.38	-0.04	0.0	-1.40e-03	9.62e-05
981	139	-0.82	2.10	-0.04	0.0	-5.35e-04	3.25e-05
981	155	-2.42	0.43	-0.04	0.0	-1.58e-03	1.09e-04
981	171	-0.92	2.37	-0.04	0.0	-6.00e-04	3.72e-05
981	187	-2.38	0.44	-0.04	0.0	-1.55e-03	1.07e-04
981	203	-0.91	2.42	-0.04	0.0	-5.92e-04	3.57e-05
981	219	-2.76	0.53	-0.04	0.0	-1.80e-03	1.27e-04
981	235	-1.06	2.87	-0.04	0.0	-6.89e-04	4.26e-05
981	264	-0.18	2.13e-03	-0.04	0.0	-1.21e-04	0.0
981	268	-0.02	0.11	-0.05	0.0	-1.40e-05	-7.35e-06
981	276	-0.02	0.18	-0.04	0.0	-1.20e-05	-6.38e-06
981	298	-0.02	0.01	-0.04	0.0	-1.18e-05	-5.88e-06
981	305	-0.05	9.61e-03	-0.04	0.0	-3.30e-05	-4.14e-06
981	307	-0.02	0.04	-0.04	0.0	-1.11e-05	-5.57e-06
981	310	-0.02	0.01	-0.04	0.0	-1.12e-05	-5.55e-06
982	44	-0.09	2.93e-03	-0.02	0.0	-1.82e-04	0.0
982	68	-5.72e-03	0.09	-0.04	0.0	-1.35e-05	-4.15e-06
982	123	-0.75	0.12	-0.04	0.0	-1.47e-03	3.52e-05
982	139	-0.28	0.68	-0.15	0.0	-5.49e-04	1.09e-05
982	155	-0.84	0.14	-0.04	0.0	-1.65e-03	3.99e-05
982	171	-0.31	0.77	-0.17	0.0	-6.16e-04	1.26e-05
982	187	-0.82	0.14	-0.04	0.0	-1.63e-03	3.93e-05
982	203	-0.31	0.78	-0.17	0.0	-6.06e-04	1.20e-05
982	219	-0.96	0.17	-0.05	0.0	-1.89e-03	4.64e-05
982	235	-0.36	0.93	-0.20	0.0	-7.06e-04	1.44e-05
982	264	-0.06	2.18e-03	-0.01	0.0	-1.22e-04	0.0
982	276	-4.01e-03	0.06	-0.03	0.0	-9.47e-06	-2.87e-06
982	305	-0.02	4.43e-03	-0.01	0.0	-3.14e-05	-1.95e-06
982	307	-3.83e-03	0.02	-0.02	0.0	-8.91e-06	-2.50e-06
982	310	-3.88e-03	5.13e-03	-0.01	0.0	-8.98e-06	-2.48e-06
983	1	0.0	0.0	0.0	0.0	4.26e-05	0.0
983	113	0.0	0.0	0.0	0.0	1.21e-03	-1.55e-06
983	145	0.0	0.0	0.0	0.0	1.35e-03	-1.66e-06
983	177	0.0	0.0	0.0	0.0	1.33e-03	-1.55e-06
983	209	0.0	0.0	0.0	0.0	1.55e-03	-1.71e-06
983	241	0.0	0.0	0.0	0.0	2.80e-05	0.0
983	297	0.0	0.0	0.0	0.0	-5.67e-06	0.0
983	309	0.0	0.0	0.0	0.0	-5.67e-06	0.0
984	44	-0.18	3.53e-03	-0.04	0.0	-1.83e-04	0.0
984	67	-0.01	0.18	-0.07	0.0	-1.45e-05	-6.64e-06
984	68	-0.01	0.18	-0.07	0.0	-1.51e-05	-7.09e-06
984	123	-1.48	0.25	-0.07	0.0	-1.45e-03	6.77e-05
984	139	-0.55	1.38	-0.27	0.0	-5.41e-04	2.23e-05
984	155	-1.67	0.28	-0.07	0.0	-1.63e-03	7.67e-05
984	171	-0.62	1.56	-0.30	0.0	-6.07e-04	2.55e-05
984	187	-1.64	0.29	-0.08	0.0	-1.60e-03	7.56e-05
984	203	-0.61	1.60	-0.31	0.0	-5.97e-04	2.44e-05
984	219	-1.90	0.35	-0.09	0.0	-1.86e-03	8.91e-05
984	235	-0.71	1.89	-0.36	0.0	-6.95e-04	2.92e-05
984	264	-0.12	2.74e-03	-0.02	0.0	-1.22e-04	0.0
984	275	-8.24e-03	0.12	-0.05	0.0	-1.02e-05	-4.61e-06
984	276	-8.55e-03	0.12	-0.05	0.0	-1.06e-05	-4.90e-06
984	305	-0.03	7.52e-03	-0.02	0.0	-3.22e-05	-3.25e-06
984	307	-8.12e-03	0.03	-0.03	0.0	-9.86e-06	-4.27e-06
984	310	-8.20e-03	8.96e-03	-0.02	0.0	-9.93e-06	-4.25e-06
985	44	-0.27	2.00e-03	-0.05	0.0	-1.84e-04	2.10e-06
985	67	-0.02	0.26	-0.10	0.0	-1.67e-05	-7.61e-06
985	68	-0.02	0.26	-0.10	0.0	-1.75e-05	-8.12e-06
985	123	-2.20	0.38	-0.09	0.0	-1.41e-03	9.05e-05
985	139	-0.82	2.10	-0.36	0.0	-5.30e-04	3.29e-05
985	155	-2.47	0.43	-0.10	0.0	-1.59e-03	1.02e-04
985	171	-0.92	2.37	-0.40	0.0	-5.94e-04	3.76e-05

985	187	-2.43	0.44	-0.10	0.0	-1.56e-03	1.01e-04
985	203	-0.91	2.42	-0.41	0.0	-5.85e-04	3.62e-05
985	219	-2.83	0.53	-0.12	0.0	-1.81e-03	1.19e-04
985	235	-1.06	2.87	-0.48	0.0	-6.80e-04	4.32e-05
985	264	-0.18	1.80e-03	-0.04	0.0	-1.23e-04	1.20e-06
985	275	-0.01	0.18	-0.07	0.0	-1.17e-05	-5.27e-06
985	276	-0.01	0.18	-0.07	0.0	-1.22e-05	-5.62e-06
985	305	-0.05	9.30e-03	-0.04	0.0	-3.34e-05	-3.56e-06
985	307	-0.01	0.04	-0.04	0.0	-1.12e-05	-4.92e-06
985	310	-0.01	0.01	-0.04	0.0	-1.13e-05	-4.91e-06
986	44	-0.36	-1.34e-03	-0.23	0.0	-1.70e-04	0.0
986	52	-0.08	0.22	-0.28	0.0	-1.06e-05	-1.51e-05
986	68	-0.06	0.35	-0.25	0.0	-8.55e-06	-1.32e-05
986	124	-2.64	-0.63	-0.06	0.0	-1.41e-03	7.28e-05
986	139	-1.08	2.82	-0.27	0.0	-2.23e-04	3.85e-05
986	141	0.38	2.58	-0.30	0.0	5.69e-04	-6.39e-06
986	156	-2.97	-0.71	-0.04	0.0	-1.59e-03	8.27e-05
986	171	-1.21	3.19	-0.29	0.0	-2.48e-04	4.41e-05
986	173	0.43	2.91	-0.32	0.0	6.41e-04	-6.20e-06
986	188	-2.92	-0.73	-0.04	0.0	-1.56e-03	8.02e-05
986	203	-1.20	3.25	-0.29	0.0	-2.40e-04	4.22e-05
986	205	0.42	2.98	-0.33	0.0	6.35e-04	-6.60e-06
986	220	-3.39	-0.88	-0.03	0.0	-1.82e-03	9.34e-05
986	235	-1.40	3.86	-0.32	0.0	-2.76e-04	5.04e-05
986	237	0.49	3.55	-0.36	0.0	7.42e-04	-6.18e-06
986	264	-0.24	-4.33e-04	-0.16	0.0	-1.13e-04	0.0
986	268	-0.05	0.15	-0.20	0.0	-7.37e-06	-1.04e-05
986	276	-0.04	0.23	-0.18	0.0	-6.02e-06	-9.12e-06
986	298	-0.04	0.01	-0.16	0.0	-6.61e-06	-8.27e-06
986	305	-0.08	0.01	-0.15	0.0	-2.76e-05	-5.98e-06
986	307	-0.04	0.06	-0.15	0.0	-6.10e-06	-7.86e-06
986	310	-0.04	0.01	-0.15	0.0	-6.27e-06	-7.80e-06
987	44	-0.44	-3.91e-03	-0.32	0.0	-1.62e-04	1.71e-06
987	52	-0.08	0.27	-0.39	0.0	4.32e-06	-1.46e-05
987	68	-0.07	0.43	-0.34	0.0	4.48e-06	-1.27e-05
987	124	-3.36	-0.79	-0.09	0.0	-1.44e-03	5.11e-05
987	139	-0.56	3.54	-0.36	0.0	-2.19e-04	4.95e-05
987	141	1.31	3.23	-0.39	0.0	5.94e-04	9.44e-06
987	156	-3.78	-0.89	-0.07	0.0	-1.62e-03	5.82e-05
987	171	-0.62	4.00	-0.38	0.0	-2.45e-04	5.66e-05
987	173	1.48	3.65	-0.42	0.0	6.68e-04	1.16e-05
987	188	-3.72	-0.92	-0.07	0.0	-1.60e-03	5.56e-05
987	203	-0.60	4.08	-0.38	0.0	-2.36e-04	5.49e-05
987	205	1.46	3.74	-0.42	0.0	6.63e-04	1.14e-05
987	220	-4.32	-1.11	-0.05	0.0	-1.86e-03	6.45e-05
987	235	-0.69	4.84	-0.41	0.0	-2.73e-04	6.56e-05
987	237	1.71	4.45	-0.47	0.0	7.73e-04	1.51e-05
987	264	-0.30	-2.13e-03	-0.22	0.0	-1.08e-04	0.0
987	268	-0.05	0.18	-0.27	0.0	2.90e-06	-1.01e-05
987	276	-0.05	0.29	-0.24	0.0	3.00e-06	-8.80e-06
987	298	-0.04	0.02	-0.21	0.0	1.53e-06	-8.02e-06
987	305	-0.09	0.01	-0.20	0.0	-2.05e-05	-5.69e-06
987	307	-0.04	0.07	-0.20	0.0	1.64e-06	-7.62e-06
987	310	-0.04	0.01	-0.20	0.0	1.41e-06	-7.57e-06
988	44	-0.36	2.61e-04	-0.21	0.0	-1.71e-04	-1.22e-06
988	52	-0.06	0.22	-0.25	0.0	-1.19e-05	-2.01e-05
988	68	-0.05	0.35	-0.22	0.0	-9.68e-06	-1.75e-05
988	124	-2.70	-0.63	-0.06	0.0	-1.40e-03	9.52e-05
988	137	0.38	2.29	-0.30	0.0	5.46e-04	2.42e-06
988	139	-1.09	2.82	-0.28	0.0	-2.22e-04	4.02e-05
988	156	-3.03	-0.71	-0.05	0.0	-1.57e-03	1.08e-04
988	169	0.43	2.59	-0.32	0.0	6.14e-04	4.09e-06
988	171	-1.22	3.19	-0.30	0.0	-2.48e-04	4.63e-05
988	188	-2.98	-0.73	-0.05	0.0	-1.55e-03	1.05e-04
988	201	0.42	2.67	-0.33	0.0	6.08e-04	3.78e-06
988	203	-1.20	3.26	-0.30	0.0	-2.40e-04	4.41e-05
988	220	-3.47	-0.88	-0.04	0.0	-1.80e-03	1.23e-04
988	233	0.49	3.17	-0.36	0.0	7.13e-04	6.20e-06
988	235	-1.40	3.86	-0.33	0.0	-2.77e-04	5.29e-05
988	264	-0.24	6.95e-04	-0.15	0.0	-1.15e-04	-1.25e-06
988	268	-0.04	0.15	-0.18	0.0	-8.25e-06	-1.39e-05
988	276	-0.04	0.23	-0.16	0.0	-6.81e-06	-1.21e-05
988	298	-0.04	0.01	-0.14	0.0	-7.29e-06	-1.10e-05
988	305	-0.08	0.01	-0.13	0.0	-2.83e-05	-8.29e-06
988	307	-0.03	0.06	-0.13	0.0	-6.76e-06	-1.05e-05

988	310	-0.03	0.01	-0.13	0.0	-6.90e-06	-1.04e-05
989	44	-0.44	-2.44e-03	-0.28	0.0	-1.66e-04	1.57e-06
989	52	-0.07	0.28	-0.35	0.0	-1.81e-06	-1.66e-05
989	68	-0.06	0.43	-0.31	0.0	0.0	-1.44e-05
989	124	-3.41	-0.79	-0.09	0.0	-1.41e-03	6.84e-05
989	137	0.49	2.87	-0.40	0.0	5.61e-04	2.10e-05
989	139	-1.37	3.54	-0.37	0.0	-2.19e-04	4.82e-05
989	156	-3.83	-0.89	-0.08	0.0	-1.59e-03	7.78e-05
989	169	0.55	3.24	-0.43	0.0	6.31e-04	2.49e-05
989	171	-1.53	4.00	-0.40	0.0	-2.45e-04	5.52e-05
989	188	-3.77	-0.92	-0.08	0.0	-1.57e-03	7.49e-05
989	201	0.54	3.34	-0.44	0.0	6.25e-04	2.50e-05
989	203	-1.52	4.08	-0.40	0.0	-2.37e-04	5.32e-05
989	220	-4.38	-1.11	-0.06	0.0	-1.82e-03	8.72e-05
989	233	0.63	3.98	-0.48	0.0	7.32e-04	3.10e-05
989	235	-1.77	4.84	-0.44	0.0	-2.74e-04	6.36e-05
989	264	-0.30	-1.10e-03	-0.20	0.0	-1.11e-04	0.0
989	268	-0.05	0.18	-0.24	0.0	-1.33e-06	-1.14e-05
989	276	-0.04	0.29	-0.21	0.0	0.0	-9.95e-06
989	298	-0.04	0.02	-0.19	0.0	-1.80e-06	-9.09e-06
989	305	-0.09	0.01	-0.18	0.0	-2.36e-05	-6.50e-06
989	307	-0.04	0.07	-0.18	0.0	-1.53e-06	-8.63e-06
989	310	-0.04	0.02	-0.18	0.0	-1.73e-06	-8.58e-06
990	44	-0.36	7.01e-04	-0.10	0.0	-1.74e-04	0.0
990	52	-0.05	0.22	-0.12	0.0	-1.45e-05	-1.73e-05
990	68	-0.05	0.35	-0.11	0.0	-1.20e-05	-1.50e-05
990	123	-2.76	0.51	-0.07	0.0	-1.39e-03	1.35e-04
990	137	0.40	2.29	-0.10	0.0	2.06e-04	7.11e-06
990	139	-1.09	2.82	-0.10	0.0	-5.46e-04	4.10e-05
990	155	-3.10	0.57	-0.07	0.0	-1.56e-03	1.53e-04
990	169	0.45	2.59	-0.11	0.0	2.32e-04	9.21e-06
990	171	-1.22	3.19	-0.10	0.0	-6.13e-04	4.71e-05
990	187	-3.05	0.60	-0.07	0.0	-1.53e-03	1.51e-04
990	201	0.44	2.67	-0.11	0.0	2.25e-04	9.06e-06
990	203	-1.20	3.26	-0.10	0.0	-6.06e-04	4.50e-05
990	219	-3.54	0.72	-0.07	0.0	-1.78e-03	1.78e-04
990	233	0.51	3.17	-0.12	0.0	2.62e-04	1.22e-05
990	235	-1.40	3.86	-0.11	0.0	-7.07e-04	5.39e-05
990	264	-0.24	1.01e-03	-0.07	0.0	-1.17e-04	0.0
990	268	-0.04	0.15	-0.09	0.0	-1.00e-05	-1.19e-05
990	276	-0.03	0.23	-0.07	0.0	-8.40e-06	-1.04e-05
990	298	-0.03	0.02	-0.07	0.0	-8.69e-06	-9.48e-06
990	305	-0.07	0.01	-0.07	0.0	-2.97e-05	-6.94e-06
990	307	-0.03	0.06	-0.07	0.0	-8.10e-06	-8.99e-06
990	310	-0.03	0.01	-0.07	0.0	-8.23e-06	-8.94e-06
991	44	-0.45	-2.46e-03	-0.13	0.0	-1.72e-04	4.43e-06
991	52	-0.06	0.28	-0.16	0.0	-8.78e-06	-1.24e-05
991	68	-0.05	0.43	-0.13	0.0	-7.01e-06	-1.07e-05
991	123	-3.45	0.64	-0.08	0.0	-1.25e-03	1.28e-04
991	137	0.50	2.87	-0.12	0.0	5.35e-04	2.49e-05
991	139	-1.36	3.54	-0.12	0.0	-2.20e-04	5.16e-05
991	155	-3.88	0.72	-0.08	0.0	-1.40e-03	1.44e-04
991	169	0.57	3.24	-0.12	0.0	6.03e-04	2.90e-05
991	171	-1.53	4.00	-0.12	0.0	-2.45e-04	5.88e-05
991	187	-3.82	0.75	-0.09	0.0	-1.38e-03	1.43e-04
991	201	0.55	3.34	-0.13	0.0	5.96e-04	2.93e-05
991	203	-1.51	4.08	-0.12	0.0	-2.38e-04	5.69e-05
991	219	-4.43	0.90	-0.09	0.0	-1.60e-03	1.69e-04
991	233	0.64	3.98	-0.13	0.0	6.98e-04	3.57e-05
991	235	-1.76	4.84	-0.13	0.0	-2.75e-04	6.78e-05
991	264	-0.30	-1.11e-03	-0.09	0.0	-1.15e-04	2.69e-06
991	268	-0.04	0.18	-0.11	0.0	-6.13e-06	-8.51e-06
991	276	-0.03	0.29	-0.09	0.0	-4.95e-06	-7.38e-06
991	298	-0.03	0.02	-0.09	0.0	-5.60e-06	-6.83e-06
991	305	-0.08	0.01	-0.08	0.0	-2.71e-05	-4.44e-06
991	307	-0.03	0.07	-0.08	0.0	-5.15e-06	-6.46e-06
991	310	-0.03	0.02	-0.08	0.0	-5.31e-06	-6.44e-06
992	44	-0.36	7.34e-05	-0.08	0.0	-1.78e-04	2.71e-06
992	52	-0.05	0.22	-0.09	0.0	-1.74e-05	-1.26e-05
992	68	-0.04	0.35	-0.08	0.0	-1.46e-05	-1.09e-05
992	123	-2.81	0.51	-0.05	0.0	-1.38e-03	1.20e-04
992	137	0.41	2.28	-0.05	0.0	2.04e-04	1.51e-05
992	139	-1.09	2.82	-0.05	0.0	-5.35e-04	4.21e-05
992	155	-3.15	0.57	-0.05	0.0	-1.55e-03	1.36e-04
992	169	0.46	2.58	-0.06	0.0	2.29e-04	1.80e-05

992	171	-1.22	3.19	-0.05	0.0	-6.00e-04	4.80e-05
992	187	-3.10	0.59	-0.05	0.0	-1.53e-03	1.34e-04
992	201	0.45	2.66	-0.06	0.0	2.23e-04	1.81e-05
992	203	-1.20	3.25	-0.05	0.0	-5.93e-04	4.62e-05
992	219	-3.60	0.71	-0.05	0.0	-1.77e-03	1.58e-04
992	233	0.52	3.17	-0.06	0.0	2.60e-04	2.25e-05
992	235	-1.40	3.86	-0.06	0.0	-6.91e-04	5.51e-05
992	264	-0.24	5.69e-04	-0.05	0.0	-1.19e-04	1.53e-06
992	268	-0.03	0.15	-0.07	0.0	-1.21e-05	-8.66e-06
992	276	-0.03	0.23	-0.06	0.0	-1.02e-05	-7.51e-06
992	298	-0.03	0.01	-0.05	0.0	-1.03e-05	-6.95e-06
992	305	-0.07	0.01	-0.05	0.0	-3.14e-05	-4.76e-06
992	307	-0.02	0.06	-0.05	0.0	-9.60e-06	-6.57e-06
992	310	-0.03	0.01	-0.05	0.0	-9.70e-06	-6.55e-06
993	44	-0.45	-3.79e-03	-0.10	0.0	-1.77e-04	6.97e-06
993	52	-0.05	0.27	-0.12	0.0	-1.49e-05	-7.79e-06
993	68	-0.05	0.43	-0.10	0.0	-1.24e-05	-6.61e-06
993	123	-3.49	0.64	-0.07	0.0	-1.37e-03	1.17e-04
993	137	0.51	2.86	-0.07	0.0	2.03e-04	2.95e-05
993	139	-1.35	3.54	-0.07	0.0	-5.31e-04	5.63e-05
993	155	-3.92	0.72	-0.07	0.0	-1.54e-03	1.33e-04
993	169	0.58	3.24	-0.07	0.0	2.28e-04	3.39e-05
993	171	-1.52	4.00	-0.07	0.0	-5.95e-04	6.38e-05
993	187	-3.86	0.74	-0.07	0.0	-1.51e-03	1.32e-04
993	201	0.56	3.34	-0.07	0.0	2.22e-04	3.42e-05
993	203	-1.50	4.08	-0.07	0.0	-5.88e-04	6.23e-05
993	219	-4.49	0.90	-0.07	0.0	-1.76e-03	1.55e-04
993	233	0.65	3.98	-0.07	0.0	2.59e-04	4.11e-05
993	235	-1.75	4.84	-0.07	0.0	-6.86e-04	7.39e-05
993	264	-0.30	-2.03e-03	-0.07	0.0	-1.18e-04	4.49e-06
993	268	-0.04	0.18	-0.08	0.0	-1.03e-05	-5.35e-06
993	276	-0.03	0.29	-0.07	0.0	-8.67e-06	-4.57e-06
993	298	-0.03	0.02	-0.07	0.0	-8.92e-06	-4.35e-06
993	305	-0.08	0.01	-0.07	0.0	-3.02e-05	-2.28e-06
993	307	-0.03	0.07	-0.07	0.0	-8.32e-06	-4.09e-06
993	310	-0.03	0.01	-0.07	0.0	-8.44e-06	-4.11e-06
994	44	-0.36	-5.47e-04	-0.07	0.0	-1.81e-04	4.30e-06
994	52	-0.04	0.22	-0.09	0.0	-2.02e-05	-9.23e-06
994	68	-0.03	0.35	-0.08	0.0	-1.71e-05	-7.90e-06
994	123	-2.85	0.51	-0.05	0.0	-1.38e-03	1.09e-04
994	139	-1.09	2.82	-0.06	0.0	-5.26e-04	4.40e-05
994	155	-3.20	0.57	-0.05	0.0	-1.55e-03	1.23e-04
994	171	-1.22	3.18	-0.06	0.0	-5.90e-04	5.00e-05
994	187	-3.15	0.59	-0.05	0.0	-1.52e-03	1.21e-04
994	203	-1.20	3.25	-0.06	0.0	-5.82e-04	4.85e-05
994	219	-3.66	0.71	-0.05	0.0	-1.77e-03	1.43e-04
994	235	-1.40	3.85	-0.06	0.0	-6.78e-04	5.76e-05
994	264	-0.24	1.37e-04	-0.05	0.0	-1.21e-04	2.68e-06
994	268	-0.03	0.15	-0.06	0.0	-1.40e-05	-6.34e-06
994	276	-0.02	0.23	-0.06	0.0	-1.19e-05	-5.46e-06
994	298	-0.02	0.01	-0.05	0.0	-1.18e-05	-5.12e-06
994	305	-0.07	0.01	-0.05	0.0	-3.29e-05	-3.20e-06
994	307	-0.02	0.06	-0.05	0.0	-1.11e-05	-4.83e-06
994	310	-0.02	0.01	-0.05	0.0	-1.11e-05	-4.83e-06
995	44	-0.45	-4.98e-03	-0.10	0.0	-1.81e-04	8.38e-06
995	52	-0.05	0.27	-0.13	0.0	-2.03e-05	-4.84e-06
995	68	-0.04	0.43	-0.11	0.0	-1.72e-05	-3.99e-06
995	123	-3.53	0.63	-0.07	0.0	-1.35e-03	1.09e-04
995	139	-1.35	3.53	-0.08	0.0	-5.18e-04	6.04e-05
995	155	-3.96	0.72	-0.07	0.0	-1.52e-03	1.23e-04
995	171	-1.51	3.99	-0.08	0.0	-5.81e-04	6.83e-05
995	187	-3.90	0.74	-0.07	0.0	-1.50e-03	1.23e-04
995	203	-1.49	4.08	-0.08	0.0	-5.73e-04	6.71e-05
995	219	-4.53	0.89	-0.07	0.0	-1.74e-03	1.44e-04
995	235	-1.73	4.84	-0.09	0.0	-6.67e-04	7.94e-05
995	264	-0.30	-2.86e-03	-0.07	0.0	-1.21e-04	5.49e-06
995	268	-0.04	0.18	-0.09	0.0	-1.41e-05	-3.32e-06
995	276	-0.03	0.29	-0.07	0.0	-1.20e-05	-2.75e-06
995	298	-0.03	0.02	-0.07	0.0	-1.18e-05	-2.77e-06
995	305	-0.08	0.01	-0.07	0.0	-3.30e-05	0.0
995	307	-0.03	0.07	-0.07	0.0	-1.11e-05	-2.56e-06
995	310	-0.03	0.01	-0.07	0.0	-1.12e-05	-2.61e-06
996	44	-0.37	-1.42e-03	-0.08	0.0	-1.85e-04	4.91e-06
996	67	-0.03	0.35	-0.13	0.0	-1.92e-05	-6.31e-06
996	68	-0.03	0.35	-0.13	0.0	-2.01e-05	-6.76e-06

996	123	-2.90	0.51	-0.12	0.0	-1.38e-03	1.03e-04
996	139	-1.08	2.81	-0.44	0.0	-5.17e-04	4.53e-05
996	155	-3.26	0.57	-0.13	0.0	-1.55e-03	1.16e-04
996	171	-1.21	3.18	-0.49	0.0	-5.79e-04	5.14e-05
996	187	-3.21	0.59	-0.13	0.0	-1.52e-03	1.15e-04
996	203	-1.20	3.25	-0.50	0.0	-5.70e-04	5.00e-05
996	219	-3.72	0.71	-0.15	0.0	-1.77e-03	1.36e-04
996	235	-1.39	3.85	-0.58	0.0	-6.63e-04	5.94e-05
996	264	-0.24	-4.70e-04	-0.05	0.0	-1.24e-04	3.11e-06
996	275	-0.02	0.23	-0.09	0.0	-1.34e-05	-4.37e-06
996	276	-0.02	0.23	-0.09	0.0	-1.40e-05	-4.67e-06
996	305	-0.06	9.89e-03	-0.05	0.0	-3.48e-05	-2.60e-06
996	307	-0.02	0.06	-0.06	0.0	-1.28e-05	-4.16e-06
996	310	-0.02	0.01	-0.05	0.0	-1.28e-05	-4.17e-06
997	44	-0.46	-6.68e-03	-0.10	0.0	-1.86e-04	8.83e-06
997	51	-0.05	0.27	-0.16	0.0	-2.52e-05	-3.53e-06
997	68	-0.04	0.43	-0.16	0.0	-2.25e-05	-3.03e-06
997	123	-3.58	0.63	-0.14	0.0	-1.34e-03	1.05e-04
997	139	-1.34	3.53	-0.50	0.0	-5.05e-04	6.25e-05
997	155	-4.02	0.72	-0.15	0.0	-1.50e-03	1.19e-04
997	171	-1.50	3.99	-0.55	0.0	-5.65e-04	7.06e-05
997	187	-3.95	0.74	-0.16	0.0	-1.48e-03	1.18e-04
997	203	-1.48	4.07	-0.56	0.0	-5.56e-04	6.96e-05
997	219	-4.59	0.89	-0.18	0.0	-1.72e-03	1.39e-04
997	235	-1.72	4.83	-0.65	0.0	-6.47e-04	8.22e-05
997	264	-0.31	-4.03e-03	-0.07	0.0	-1.25e-04	5.82e-06
997	267	-0.03	0.18	-0.11	0.0	-1.75e-05	-2.42e-06
997	276	-0.03	0.29	-0.11	0.0	-1.57e-05	-2.09e-06
997	305	-0.08	9.34e-03	-0.07	0.0	-3.60e-05	0.0
997	307	-0.03	0.07	-0.08	0.0	-1.42e-05	-2.01e-06
997	310	-0.03	0.01	-0.07	0.0	-1.42e-05	-2.07e-06
998	44	-0.52	-6.49e-03	-0.43	0.0	-1.55e-04	5.10e-06
998	52	-0.07	0.32	-0.53	0.0	1.64e-05	-1.01e-05
998	67	-0.06	0.51	-0.43	0.0	1.40e-05	-8.22e-06
998	124	-4.02	-0.93	-0.14	0.0	-1.46e-03	2.26e-05
998	139	-0.66	4.18	-0.46	0.0	-2.14e-04	7.10e-05
998	141	1.58	3.82	-0.50	0.0	6.10e-04	3.09e-05
998	156	-4.52	-1.06	-0.12	0.0	-1.64e-03	2.58e-05
998	171	-0.73	4.73	-0.48	0.0	-2.40e-04	8.05e-05
998	173	1.79	4.32	-0.53	0.0	6.86e-04	3.56e-05
998	188	-4.45	-1.09	-0.12	0.0	-1.62e-03	2.34e-05
998	203	-0.71	4.83	-0.49	0.0	-2.31e-04	7.95e-05
998	205	1.77	4.42	-0.54	0.0	6.80e-04	3.56e-05
998	220	-5.17	-1.31	-0.09	0.0	-1.88e-03	2.62e-05
998	235	-0.81	5.73	-0.53	0.0	-2.68e-04	9.44e-05
998	237	2.07	5.26	-0.59	0.0	7.93e-04	4.33e-05
998	264	-0.35	-3.88e-03	-0.30	0.0	-1.03e-04	3.18e-06
998	268	-0.05	0.21	-0.36	0.0	1.12e-05	-6.96e-06
998	275	-0.04	0.34	-0.30	0.0	9.61e-06	-5.70e-06
998	298	-0.04	0.02	-0.29	0.0	8.14e-06	-5.59e-06
998	305	-0.10	0.01	-0.27	0.0	-1.47e-05	-3.45e-06
998	307	-0.04	0.08	-0.28	0.0	7.94e-06	-5.31e-06
998	310	-0.04	0.02	-0.28	0.0	7.64e-06	-5.29e-06
999	44	-0.58	-7.54e-03	-0.64	0.0	-2.06e-04	1.61e-05
999	52	-0.05	0.37	-0.78	0.0	-1.12e-04	4.96e-06
999	67	-0.04	0.59	-0.64	0.0	-8.97e-05	4.17e-06
999	124	-4.68	-1.08	-0.25	0.0	-1.21e-03	-7.58e-06
999	139	-0.75	4.83	-0.62	0.0	-2.40e-04	4.08e-05
999	141	1.87	4.41	-0.67	0.0	4.08e-04	6.15e-05
999	156	-5.26	-1.22	-0.23	0.0	-1.35e-03	-9.18e-06
999	171	-0.84	5.46	-0.64	0.0	-2.62e-04	4.58e-05
999	173	2.10	4.98	-0.70	0.0	4.67e-04	6.91e-05
999	188	-5.18	-1.26	-0.23	0.0	-1.33e-03	-1.15e-05
999	203	-0.81	5.57	-0.65	0.0	-2.55e-04	4.65e-05
999	205	2.08	5.11	-0.71	0.0	4.62e-04	6.94e-05
999	220	-6.03	-1.52	-0.20	0.0	-1.54e-03	-1.60e-05
999	235	-0.93	6.61	-0.70	0.0	-2.85e-04	5.48e-05
999	237	2.44	6.07	-0.76	0.0	5.50e-04	8.17e-05
999	264	-0.39	-4.57e-03	-0.45	0.0	-1.41e-04	1.09e-05
999	268	-0.04	0.25	-0.54	0.0	-7.77e-05	3.44e-06
999	275	-0.03	0.39	-0.45	0.0	-6.29e-05	2.91e-06
999	298	-0.03	0.02	-0.43	0.0	-6.40e-05	2.72e-06
999	305	-0.10	0.01	-0.41	0.0	-7.52e-05	4.15e-06
999	307	-0.03	0.09	-0.41	0.0	-6.05e-05	2.59e-06
999	310	-0.03	0.02	-0.41	0.0	-6.08e-05	2.55e-06

1000	44	-0.52	-4.39e-03	-0.39	0.0	-1.63e-04	7.04e-06
1000	52	-0.06	0.32	-0.47	0.0	5.03e-06	-8.63e-06
1000	68	-0.05	0.51	-0.42	0.0	5.09e-06	-7.45e-06
1000	124	-4.05	-0.93	-0.14	0.0	-1.42e-03	3.14e-05
1000	137	1.55	3.39	-0.52	0.0	5.70e-04	3.35e-05
1000	139	-0.66	4.19	-0.48	0.0	-2.16e-04	7.01e-05
1000	156	-4.55	-1.06	-0.12	0.0	-1.60e-03	3.56e-05
1000	169	1.75	3.84	-0.56	0.0	6.41e-04	3.85e-05
1000	171	-0.74	4.73	-0.52	0.0	-2.42e-04	7.94e-05
1000	188	-4.48	-1.09	-0.12	0.0	-1.57e-03	3.30e-05
1000	201	1.73	3.95	-0.56	0.0	6.35e-04	3.88e-05
1000	203	-0.71	4.83	-0.52	0.0	-2.34e-04	7.83e-05
1000	220	-5.20	-1.31	-0.10	0.0	-1.83e-03	3.73e-05
1000	233	2.03	4.71	-0.63	0.0	7.43e-04	4.66e-05
1000	235	-0.82	5.73	-0.58	0.0	-2.71e-04	9.28e-05
1000	264	-0.35	-2.40e-03	-0.27	0.0	-1.09e-04	4.51e-06
1000	268	-0.04	0.22	-0.33	0.0	3.39e-06	-5.93e-06
1000	276	-0.04	0.34	-0.29	0.0	3.43e-06	-5.15e-06
1000	298	-0.04	0.02	-0.26	0.0	1.94e-06	-4.78e-06
1000	305	-0.10	0.01	-0.24	0.0	-2.04e-05	-2.59e-06
1000	307	-0.03	0.08	-0.25	0.0	2.03e-06	-4.52e-06
1000	310	-0.04	0.02	-0.25	0.0	1.80e-06	-4.51e-06
1001	44	-0.59	-7.35e-03	-0.58	0.0	-2.05e-04	1.24e-05
1001	52	-0.06	0.37	-0.71	0.0	-1.10e-04	0.0
1001	67	-0.05	0.59	-0.59	0.0	-8.83e-05	0.0
1001	124	-4.69	-1.08	-0.23	0.0	-1.22e-03	-9.14e-06
1001	137	1.81	3.91	-0.71	0.0	4.00e-04	1.03e-04
1001	139	-0.76	4.83	-0.66	0.0	-2.40e-04	3.93e-05
1001	156	-5.27	-1.22	-0.22	0.0	-1.36e-03	-1.06e-05
1001	169	2.04	4.42	-0.75	0.0	4.57e-04	1.16e-04
1001	171	-0.84	5.45	-0.70	0.0	-2.62e-04	4.45e-05
1001	188	-5.19	-1.26	-0.21	0.0	-1.34e-03	-1.29e-05
1001	201	2.02	4.56	-0.76	0.0	4.52e-04	1.15e-04
1001	203	-0.82	5.57	-0.71	0.0	-2.55e-04	4.52e-05
1001	220	-6.03	-1.52	-0.19	0.0	-1.55e-03	-1.73e-05
1001	233	2.37	5.43	-0.84	0.0	5.39e-04	1.36e-04
1001	235	-0.94	6.61	-0.77	0.0	-2.86e-04	5.37e-05
1001	264	-0.39	-4.44e-03	-0.40	0.0	-1.40e-04	8.29e-06
1001	268	-0.04	0.25	-0.49	0.0	-7.66e-05	0.0
1001	275	-0.03	0.39	-0.41	0.0	-6.20e-05	0.0
1001	298	-0.03	0.02	-0.39	0.0	-6.31e-05	0.0
1001	305	-0.10	0.01	-0.36	0.0	-7.43e-05	1.78e-06
1001	307	-0.03	0.09	-0.37	0.0	-5.97e-05	0.0
1001	310	-0.03	0.02	-0.37	0.0	-5.99e-05	0.0
1002	44	-0.52	-4.84e-03	-0.17	0.0	-1.70e-04	9.96e-06
1002	52	-0.06	0.32	-0.20	0.0	-5.26e-06	-4.57e-06
1002	68	-0.05	0.51	-0.17	0.0	-3.93e-06	-3.83e-06
1002	123	-4.08	0.75	-0.11	0.0	-1.25e-03	1.10e-04
1002	137	0.60	3.39	-0.14	0.0	5.38e-04	3.64e-05
1002	139	-1.61	4.19	-0.13	0.0	-2.17e-04	7.40e-05
1002	155	-4.58	0.85	-0.11	0.0	-1.40e-03	1.24e-04
1002	169	0.67	3.84	-0.14	0.0	6.06e-04	4.14e-05
1002	171	-1.80	4.73	-0.14	0.0	-2.43e-04	8.35e-05
1002	187	-4.51	0.88	-0.11	0.0	-1.38e-03	1.24e-04
1002	201	0.65	3.95	-0.14	0.0	5.99e-04	4.18e-05
1002	203	-1.78	4.83	-0.14	0.0	-2.36e-04	8.25e-05
1002	219	-5.24	1.06	-0.11	0.0	-1.60e-03	1.46e-04
1002	233	0.76	4.71	-0.15	0.0	7.01e-04	4.99e-05
1002	235	-2.08	5.73	-0.14	0.0	-2.72e-04	9.75e-05
1002	264	-0.35	-2.71e-03	-0.12	0.0	-1.14e-04	6.56e-06
1002	268	-0.04	0.22	-0.14	0.0	-3.71e-06	-3.13e-06
1002	276	-0.04	0.34	-0.12	0.0	-2.82e-06	-2.64e-06
1002	298	-0.04	0.02	-0.11	0.0	-3.68e-06	-2.58e-06
1002	305	-0.10	0.01	-0.11	0.0	-2.55e-05	0.0
1002	307	-0.03	0.08	-0.11	0.0	-3.32e-06	-2.41e-06
1002	310	-0.03	0.02	-0.11	0.0	-3.50e-06	-2.43e-06
1003	44	-0.60	-7.43e-03	-0.24	0.0	-1.69e-04	1.52e-05
1003	52	-0.06	0.37	-0.29	0.0	-3.56e-06	3.05e-06
1003	67	-0.05	0.59	-0.24	0.0	-2.50e-06	2.76e-06
1003	123	-4.70	0.87	-0.15	0.0	-1.25e-03	9.12e-05
1003	139	-1.85	4.83	-0.17	0.0	-2.16e-04	4.13e-05
1003	141	0.75	4.40	-0.17	0.0	5.55e-04	5.73e-05
1003	155	-5.28	0.98	-0.15	0.0	-1.40e-03	1.03e-04
1003	171	-2.08	5.45	-0.17	0.0	-2.42e-04	4.66e-05
1003	173	0.85	4.98	-0.18	0.0	6.25e-04	6.45e-05

1003	187	-5.20	1.02	-0.15	0.0	-1.38e-03	1.03e-04
1003	203	-2.05	5.57	-0.17	0.0	-2.34e-04	4.72e-05
1003	205	0.82	5.10	-0.18	0.0	6.18e-04	6.48e-05
1003	219	-6.04	1.22	-0.15	0.0	-1.60e-03	1.22e-04
1003	235	-2.39	6.60	-0.18	0.0	-2.71e-04	5.58e-05
1003	237	0.95	6.06	-0.18	0.0	7.22e-04	7.66e-05
1003	264	-0.40	-4.50e-03	-0.17	0.0	-1.13e-04	1.02e-05
1003	268	-0.04	0.25	-0.20	0.0	-2.54e-06	2.12e-06
1003	275	-0.03	0.39	-0.17	0.0	-1.83e-06	1.93e-06
1003	298	-0.04	0.02	-0.17	0.0	-2.75e-06	1.58e-06
1003	305	-0.11	0.01	-0.15	0.0	-2.47e-05	3.20e-06
1003	307	-0.03	0.09	-0.16	0.0	-2.44e-06	1.56e-06
1003	310	-0.03	0.02	-0.15	0.0	-2.62e-06	1.49e-06
1004	44	-0.53	-7.32e-03	-0.13	0.0	-1.76e-04	1.20e-05
1004	52	-0.06	0.32	-0.16	0.0	-1.33e-05	-1.07e-06
1004	67	-0.05	0.51	-0.13	0.0	-1.05e-05	0.0
1004	123	-4.10	0.75	-0.09	0.0	-1.36e-03	1.05e-04
1004	137	0.60	3.39	-0.09	0.0	2.02e-04	3.90e-05
1004	139	-1.59	4.18	-0.09	0.0	-5.27e-04	7.88e-05
1004	155	-4.61	0.85	-0.09	0.0	-1.53e-03	1.19e-04
1004	169	0.68	3.83	-0.09	0.0	2.27e-04	4.42e-05
1004	171	-1.78	4.73	-0.09	0.0	-5.92e-04	8.89e-05
1004	187	-4.54	0.88	-0.09	0.0	-1.50e-03	1.19e-04
1004	201	0.66	3.95	-0.09	0.0	2.21e-04	4.46e-05
1004	203	-1.76	4.82	-0.09	0.0	-5.85e-04	8.80e-05
1004	219	-5.27	1.06	-0.09	0.0	-1.75e-03	1.40e-04
1004	233	0.77	4.70	-0.10	0.0	2.57e-04	5.29e-05
1004	235	-2.05	5.72	-0.09	0.0	-6.82e-04	1.04e-04
1004	264	-0.35	-4.44e-03	-0.09	0.0	-1.18e-04	8.00e-06
1004	268	-0.04	0.21	-0.11	0.0	-9.25e-06	0.0
1004	275	-0.03	0.34	-0.09	0.0	-7.42e-06	0.0
1004	298	-0.03	0.02	-0.09	0.0	-8.06e-06	0.0
1004	305	-0.10	0.01	-0.09	0.0	-2.95e-05	1.09e-06
1004	307	-0.03	0.08	-0.09	0.0	-7.50e-06	0.0
1004	310	-0.03	0.02	-0.09	0.0	-7.63e-06	0.0
1005	44	-0.61	-7.40e-03	-0.19	0.0	-1.76e-04	1.65e-05
1005	52	-0.06	0.37	-0.24	0.0	-1.24e-05	5.15e-06
1005	67	-0.05	0.59	-0.19	0.0	-9.82e-06	4.60e-06
1005	123	-4.71	0.87	-0.13	0.0	-1.35e-03	9.27e-05
1005	137	0.69	3.91	-0.14	0.0	2.02e-04	1.01e-04
1005	139	-1.83	4.83	-0.13	0.0	-5.26e-04	4.39e-05
1005	155	-5.29	0.98	-0.13	0.0	-1.52e-03	1.04e-04
1005	169	0.78	4.42	-0.14	0.0	2.27e-04	1.14e-04
1005	171	-2.05	5.45	-0.13	0.0	-5.90e-04	4.93e-05
1005	187	-5.21	1.02	-0.13	0.0	-1.50e-03	1.05e-04
1005	201	0.76	4.55	-0.14	0.0	2.21e-04	1.13e-04
1005	203	-2.02	5.57	-0.14	0.0	-5.83e-04	5.00e-05
1005	219	-6.05	1.22	-0.13	0.0	-1.74e-03	1.23e-04
1005	233	0.88	5.42	-0.14	0.0	2.57e-04	1.33e-04
1005	235	-2.36	6.60	-0.14	0.0	-6.80e-04	5.89e-05
1005	264	-0.41	-4.47e-03	-0.13	0.0	-1.17e-04	1.11e-05
1005	268	-0.04	0.25	-0.16	0.0	-8.65e-06	3.57e-06
1005	275	-0.04	0.39	-0.14	0.0	-6.91e-06	3.21e-06
1005	298	-0.04	0.02	-0.13	0.0	-7.59e-06	2.68e-06
1005	305	-0.11	0.01	-0.12	0.0	-2.91e-05	4.19e-06
1005	307	-0.04	0.09	-0.12	0.0	-7.05e-06	2.63e-06
1005	310	-0.04	0.02	-0.12	0.0	-7.19e-06	2.53e-06
1006	44	-0.53	-9.22e-03	-0.14	0.0	-1.82e-04	1.28e-05
1006	52	-0.06	0.32	-0.17	0.0	-2.06e-05	0.0
1006	67	-0.05	0.50	-0.14	0.0	-1.66e-05	1.19e-06
1006	123	-4.13	0.75	-0.09	0.0	-1.34e-03	1.01e-04
1006	139	-1.58	4.18	-0.11	0.0	-5.13e-04	4.10e-05
1006	155	-4.64	0.85	-0.09	0.0	-1.50e-03	1.14e-04
1006	171	-1.77	4.72	-0.11	0.0	-5.74e-04	4.63e-05
1006	187	-4.57	0.88	-0.09	0.0	-1.48e-03	1.14e-04
1006	203	-1.74	4.82	-0.11	0.0	-5.67e-04	4.69e-05
1006	219	-5.30	1.06	-0.09	0.0	-1.72e-03	1.35e-04
1006	235	-2.03	5.72	-0.11	0.0	-6.60e-04	5.55e-05
1006	264	-0.36	-5.75e-03	-0.09	0.0	-1.22e-04	8.57e-06
1006	268	-0.04	0.21	-0.12	0.0	-1.43e-05	0.0
1006	275	-0.03	0.34	-0.10	0.0	-1.16e-05	0.0
1006	298	-0.03	0.02	-0.09	0.0	-1.20e-05	0.0
1006	305	-0.10	0.01	-0.09	0.0	-3.32e-05	1.99e-06
1006	307	-0.03	0.08	-0.09	0.0	-1.13e-05	0.0
1006	310	-0.03	0.01	-0.09	0.0	-1.13e-05	0.0

1007	44	-0.62	-7.34e-03	-0.20	0.0	-1.82e-04	1.65e-05
1007	52	-0.07	0.37	-0.24	0.0	-2.09e-05	6.17e-06
1007	67	-0.06	0.59	-0.20	0.0	-1.69e-05	5.56e-06
1007	123	-4.73	0.87	-0.13	0.0	-1.33e-03	9.21e-05
1007	139	-1.81	4.83	-0.14	0.0	-5.11e-04	4.71e-05
1007	155	-5.31	0.98	-0.13	0.0	-1.50e-03	1.03e-04
1007	171	-2.02	5.45	-0.15	0.0	-5.72e-04	5.30e-05
1007	187	-5.22	1.02	-0.13	0.0	-1.47e-03	1.04e-04
1007	203	-2.00	5.57	-0.15	0.0	-5.65e-04	5.38e-05
1007	219	-6.07	1.22	-0.13	0.0	-1.71e-03	1.23e-04
1007	235	-2.32	6.60	-0.15	0.0	-6.58e-04	6.34e-05
1007	264	-0.41	-4.43e-03	-0.14	0.0	-1.22e-04	1.12e-05
1007	268	-0.05	0.25	-0.17	0.0	-1.45e-05	4.28e-06
1007	275	-0.04	0.39	-0.14	0.0	-1.19e-05	3.87e-06
1007	298	-0.04	0.02	-0.14	0.0	-1.22e-05	3.15e-06
1007	305	-0.11	0.01	-0.13	0.0	-3.34e-05	4.54e-06
1007	307	-0.04	0.09	-0.13	0.0	-1.15e-05	3.12e-06
1007	310	-0.04	0.02	-0.13	0.0	-1.15e-05	2.97e-06
1008	44	-0.54	-0.01	-0.14	0.0	-1.87e-04	1.28e-05
1008	51	-0.06	0.31	-0.21	0.0	-2.69e-05	1.64e-06
1008	67	-0.05	0.50	-0.20	0.0	-2.30e-05	1.81e-06
1008	123	-4.17	0.75	-0.17	0.0	-1.32e-03	9.90e-05
1008	139	-1.56	4.18	-0.54	0.0	-4.97e-04	4.20e-05
1008	155	-4.68	0.84	-0.18	0.0	-1.48e-03	1.11e-04
1008	171	-1.75	4.72	-0.60	0.0	-5.56e-04	4.75e-05
1008	187	-4.61	0.88	-0.19	0.0	-1.45e-03	1.12e-04
1008	203	-1.72	4.82	-0.61	0.0	-5.47e-04	4.81e-05
1008	219	-5.35	1.05	-0.21	0.0	-1.69e-03	1.31e-04
1008	235	-2.00	5.72	-0.71	0.0	-6.36e-04	5.69e-05
1008	264	-0.36	-7.58e-03	-0.10	0.0	-1.25e-04	8.62e-06
1008	267	-0.04	0.21	-0.15	0.0	-1.87e-05	1.15e-06
1008	275	-0.03	0.33	-0.14	0.0	-1.61e-05	1.26e-06
1008	305	-0.10	8.61e-03	-0.09	0.0	-3.68e-05	2.25e-06
1008	307	-0.03	0.08	-0.10	0.0	-1.51e-05	0.0
1008	310	-0.03	0.01	-0.09	0.0	-1.51e-05	0.0
1009	44	-0.63	-7.24e-03	-0.21	0.0	-1.87e-04	1.66e-05
1009	51	-0.07	0.37	-0.29	0.0	-2.79e-05	7.73e-06
1009	67	-0.06	0.59	-0.27	0.0	-2.39e-05	7.25e-06
1009	123	-4.75	0.87	-0.22	0.0	-1.31e-03	9.09e-05
1009	139	-1.78	4.83	-0.59	0.0	-4.94e-04	5.02e-05
1009	155	-5.33	0.98	-0.23	0.0	-1.47e-03	1.02e-04
1009	171	-1.99	5.45	-0.65	0.0	-5.53e-04	5.63e-05
1009	187	-5.25	1.02	-0.23	0.0	-1.44e-03	1.03e-04
1009	203	-1.96	5.57	-0.66	0.0	-5.44e-04	5.72e-05
1009	219	-6.09	1.22	-0.25	0.0	-1.68e-03	1.21e-04
1009	235	-2.28	6.60	-0.76	0.0	-6.32e-04	6.73e-05
1009	264	-0.42	-4.37e-03	-0.14	0.0	-1.26e-04	1.13e-05
1009	267	-0.05	0.25	-0.20	0.0	-1.94e-05	5.36e-06
1009	275	-0.04	0.39	-0.18	0.0	-1.67e-05	5.04e-06
1009	298	-0.04	0.02	-0.15	0.0	-1.65e-05	4.11e-06
1009	305	-0.12	0.01	-0.13	0.0	-3.73e-05	5.27e-06
1009	307	-0.04	0.09	-0.14	0.0	-1.56e-05	4.07e-06
1009	310	-0.04	0.02	-0.14	0.0	-1.56e-05	3.88e-06
1010	28	-0.03	-0.03	-0.04	0.0	-7.65e-05	1.68e-05
1010	44	-0.06	-0.03	-0.04	0.0	-1.24e-04	2.47e-05
1010	69	-2.21e-03	0.07	-7.45e-03	0.0	-3.81e-06	0.0
1010	116	-0.67	0.18	-0.04	0.0	-1.43e-03	1.88e-04
1010	138	0.08	-0.64	-0.04	0.0	1.63e-04	-1.35e-05
1010	144	-0.26	-0.57	-0.05	0.0	-5.57e-04	8.62e-05
1010	148	-0.76	0.20	-0.04	0.0	-1.61e-03	2.11e-04
1010	170	0.09	-0.73	-0.05	0.0	1.83e-04	-1.52e-05
1010	176	-0.29	-0.64	-0.06	0.0	-6.27e-04	9.69e-05
1010	180	-0.75	0.19	-0.04	0.0	-1.59e-03	2.08e-04
1010	202	0.08	-0.74	-0.05	0.0	1.73e-04	-1.32e-05
1010	208	-0.29	-0.65	-0.06	0.0	-6.24e-04	9.71e-05
1010	212	-0.88	0.21	-0.05	0.0	-1.86e-03	2.44e-04
1010	234	0.10	-0.87	-0.05	0.0	1.98e-04	-1.48e-05
1010	240	-0.34	-0.78	-0.07	0.0	-7.31e-04	1.14e-04
1010	256	-0.02	-0.02	-0.03	0.0	-5.13e-05	1.13e-05
1010	264	-0.04	-0.02	-0.03	0.0	-8.30e-05	1.65e-05
1010	273	-1.79e-03	0.04	-0.01	0.0	-3.44e-06	0.0
1010	305	-8.39e-03	-0.01	-0.02	0.0	-1.90e-05	5.08e-06
1010	308	-8.64e-04	-0.01	-0.02	0.0	-2.45e-06	1.65e-06
1010	310	-1.06e-03	-0.01	-0.02	0.0	-3.03e-06	2.26e-06
1011	1	0.0	0.0	0.0	0.0	3.17e-05	-1.30e-06

1011	113	0.0	0.0	0.0	0.0	1.39e-03	-1.92e-05
1011	145	0.0	0.0	0.0	0.0	1.56e-03	-2.17e-05
1011	177	0.0	0.0	0.0	0.0	1.54e-03	-2.14e-05
1011	209	0.0	0.0	0.0	0.0	1.80e-03	-2.52e-05
1011	241	0.0	0.0	0.0	0.0	2.09e-05	0.0
1011	297	0.0	0.0	0.0	0.0	-2.27e-06	0.0
1011	309	0.0	0.0	0.0	0.0	-2.27e-06	0.0
1012	28	-0.07	-0.06	-0.06	0.0	-8.29e-05	2.67e-05
1012	44	-0.12	-0.06	-0.06	0.0	-1.34e-04	4.01e-05
1012	69	-4.12e-03	0.14	-0.01	0.0	-3.29e-06	0.0
1012	116	-1.39	0.35	-0.08	0.0	-1.54e-03	3.96e-04
1012	138	0.16	-1.31	-0.08	0.0	1.71e-04	-4.08e-05
1012	144	-0.54	-1.16	-0.10	0.0	-6.04e-04	1.70e-04
1012	148	-1.57	0.39	-0.08	0.0	-1.73e-03	4.45e-04
1012	170	0.18	-1.48	-0.09	0.0	1.90e-04	-4.57e-05
1012	176	-0.61	-1.31	-0.11	0.0	-6.80e-04	1.91e-04
1012	180	-1.55	0.37	-0.08	0.0	-1.71e-03	4.40e-04
1012	202	0.17	-1.50	-0.09	0.0	1.79e-04	-4.21e-05
1012	208	-0.61	-1.34	-0.11	0.0	-6.77e-04	1.91e-04
1012	212	-1.81	0.42	-0.09	0.0	-2.00e-03	5.14e-04
1012	234	0.20	-1.77	-0.10	0.0	2.05e-04	-4.79e-05
1012	240	-0.71	-1.58	-0.13	0.0	-7.93e-04	2.24e-04
1012	256	-0.05	-0.04	-0.04	0.0	-5.56e-05	1.78e-05
1012	264	-0.08	-0.04	-0.04	0.0	-8.95e-05	2.68e-05
1012	273	-3.54e-03	0.08	-0.02	0.0	-3.27e-06	0.0
1012	305	-0.02	-0.03	-0.04	0.0	-2.08e-05	7.47e-06
1012	308	-2.18e-03	-0.03	-0.03	0.0	-2.91e-06	1.71e-06
1012	310	-2.66e-03	-0.02	-0.04	0.0	-3.65e-06	2.71e-06
1013	28	-0.12	-0.08	-0.09	0.0	-9.02e-05	2.82e-05
1013	44	-0.19	-0.09	-0.09	0.0	-1.45e-04	4.28e-05
1013	69	-5.70e-03	0.21	-0.02	0.0	-2.49e-06	0.0
1013	116	-2.21	0.52	-0.11	0.0	-1.66e-03	4.57e-04
1013	138	0.25	-1.99	-0.12	0.0	1.78e-04	-5.52e-05
1013	144	-0.86	-1.77	-0.15	0.0	-6.57e-04	1.93e-04
1013	148	-2.48	0.58	-0.12	0.0	-1.86e-03	5.13e-04
1013	170	0.28	-2.24	-0.13	0.0	1.99e-04	-6.17e-05
1013	176	-0.97	-2.00	-0.17	0.0	-7.39e-04	2.17e-04
1013	180	-2.46	0.54	-0.12	0.0	-1.85e-03	5.07e-04
1013	202	0.26	-2.28	-0.13	0.0	1.86e-04	-5.78e-05
1013	208	-0.97	-2.04	-0.17	0.0	-7.37e-04	2.16e-04
1013	212	-2.88	0.62	-0.14	0.0	-2.16e-03	5.92e-04
1013	234	0.30	-2.69	-0.15	0.0	2.13e-04	-6.62e-05
1013	240	-1.13	-2.42	-0.19	0.0	-8.64e-04	2.53e-04
1013	256	-0.08	-0.05	-0.06	0.0	-6.04e-05	1.87e-05
1013	264	-0.13	-0.06	-0.06	0.0	-9.70e-05	2.84e-05
1013	273	-5.21e-03	0.13	-0.03	0.0	-2.89e-06	0.0
1013	305	-0.03	-0.04	-0.05	0.0	-2.27e-05	7.34e-06
1013	308	-3.85e-03	-0.04	-0.04	0.0	-3.25e-06	0.0
1013	310	-4.75e-03	-0.03	-0.05	0.0	-4.20e-06	2.16e-06
1014	28	-0.04	-0.03	-0.03	0.0	-8.50e-05	1.00e-05
1014	44	-0.07	-0.03	-0.03	0.0	-1.37e-04	1.48e-05
1014	69	-2.03e-03	0.07	-0.01	0.0	-3.75e-06	0.0
1014	116	-0.77	0.17	-0.03	0.0	-1.56e-03	1.21e-04
1014	138	0.09	-0.65	-0.03	0.0	1.79e-04	-1.36e-05
1014	144	-0.30	-0.57	-0.04	0.0	-6.12e-04	5.31e-05
1014	148	-0.86	0.19	-0.03	0.0	-1.75e-03	1.36e-04
1014	170	0.10	-0.73	-0.03	0.0	2.00e-04	-1.53e-05
1014	176	-0.34	-0.64	-0.04	0.0	-6.89e-04	5.97e-05
1014	180	-0.85	0.18	-0.03	0.0	-1.73e-03	1.34e-04
1014	202	0.09	-0.74	-0.03	0.0	1.89e-04	-1.42e-05
1014	208	-0.34	-0.66	-0.04	0.0	-6.86e-04	5.95e-05
1014	212	-1.00	0.21	-0.04	0.0	-2.02e-03	1.56e-04
1014	234	0.11	-0.87	-0.04	0.0	2.16e-04	-1.63e-05
1014	240	-0.40	-0.78	-0.04	0.0	-8.03e-04	6.96e-05
1014	256	-0.03	-0.02	-0.02	0.0	-5.70e-05	6.68e-06
1014	264	-0.04	-0.02	-0.02	0.0	-9.14e-05	9.89e-06
1014	273	-1.90e-03	0.04	-0.01	0.0	-3.61e-06	0.0
1014	298	-1.97e-03	-0.01	-0.02	0.0	-4.02e-06	1.21e-06
1014	305	-0.01	-0.01	-0.02	0.0	-2.13e-05	2.85e-06
1014	308	-1.42e-03	-0.01	-0.01	0.0	-2.86e-06	0.0
1014	310	-1.90e-03	-0.01	-0.02	0.0	-3.86e-06	1.13e-06
1015	1	0.0	0.0	0.0	0.0	3.50e-05	0.0
1015	113	0.0	0.0	0.0	0.0	1.54e-03	-1.28e-05
1015	145	0.0	0.0	0.0	0.0	1.73e-03	-1.44e-05
1015	177	0.0	0.0	0.0	0.0	1.71e-03	-1.42e-05

1015	209	0.0	0.0	0.0	0.0	2.01e-03	-1.66e-05
1015	241	0.0	0.0	0.0	0.0	2.31e-05	0.0
1015	297	0.0	0.0	0.0	0.0	-2.93e-06	0.0
1015	309	0.0	0.0	0.0	0.0	-2.93e-06	0.0
1016	28	-0.08	-0.06	-0.06	0.0	-8.67e-05	1.60e-05
1016	44	-0.14	-0.06	-0.05	0.0	-1.39e-04	2.37e-05
1016	69	-3.95e-03	0.14	-0.02	0.0	-3.37e-06	0.0
1016	116	-1.56	0.34	-0.06	0.0	-1.57e-03	1.96e-04
1016	138	0.18	-1.31	-0.06	0.0	1.79e-04	-2.39e-05
1016	144	-0.61	-1.16	-0.07	0.0	-6.18e-04	8.70e-05
1016	148	-1.75	0.39	-0.06	0.0	-1.76e-03	2.20e-04
1016	170	0.20	-1.48	-0.06	0.0	2.00e-04	-2.69e-05
1016	176	-0.69	-1.31	-0.08	0.0	-6.96e-04	9.78e-05
1016	180	-1.73	0.36	-0.06	0.0	-1.74e-03	2.16e-04
1016	202	0.19	-1.50	-0.06	0.0	1.88e-04	-2.52e-05
1016	208	-0.68	-1.34	-0.08	0.0	-6.94e-04	9.73e-05
1016	212	-2.02	0.42	-0.07	0.0	-2.04e-03	2.52e-04
1016	234	0.22	-1.77	-0.07	0.0	2.15e-04	-2.90e-05
1016	240	-0.80	-1.59	-0.09	0.0	-8.12e-04	1.14e-04
1016	256	-0.06	-0.04	-0.04	0.0	-5.81e-05	1.06e-05
1016	264	-0.09	-0.04	-0.04	0.0	-9.31e-05	1.58e-05
1016	273	-3.74e-03	0.08	-0.02	0.0	-3.38e-06	0.0
1016	298	-3.97e-03	-0.02	-0.04	0.0	-4.13e-06	1.78e-06
1016	305	-0.02	-0.03	-0.03	0.0	-2.17e-05	4.42e-06
1016	308	-2.85e-03	-0.03	-0.03	0.0	-2.90e-06	0.0
1016	310	-3.82e-03	-0.02	-0.03	0.0	-3.96e-06	1.64e-06
1017	28	-0.13	-0.08	-0.09	0.0	-8.86e-05	1.72e-05
1017	44	-0.21	-0.09	-0.08	0.0	-1.42e-04	2.54e-05
1017	69	-5.65e-03	0.21	-0.03	0.0	-2.67e-06	0.0
1017	116	-2.35	0.51	-0.09	0.0	-1.57e-03	1.48e-04
1017	138	0.27	-1.99	-0.09	0.0	1.76e-04	-2.27e-05
1017	144	-0.92	-1.77	-0.11	0.0	-6.21e-04	7.73e-05
1017	148	-2.64	0.58	-0.09	0.0	-1.76e-03	1.66e-04
1017	170	0.30	-2.24	-0.09	0.0	1.96e-04	-2.56e-05
1017	176	-1.04	-2.00	-0.12	0.0	-6.99e-04	8.67e-05
1017	180	-2.61	0.54	-0.10	0.0	-1.74e-03	1.63e-04
1017	202	0.28	-2.28	-0.10	0.0	1.85e-04	-2.47e-05
1017	208	-1.04	-2.04	-0.12	0.0	-6.96e-04	8.55e-05
1017	212	-3.05	0.62	-0.10	0.0	-2.04e-03	1.90e-04
1017	234	0.33	-2.69	-0.10	0.0	2.11e-04	-2.89e-05
1017	240	-1.21	-2.42	-0.13	0.0	-8.15e-04	9.93e-05
1017	256	-0.09	-0.05	-0.06	0.0	-5.93e-05	1.14e-05
1017	264	-0.14	-0.06	-0.06	0.0	-9.50e-05	1.68e-05
1017	273	-5.44e-03	0.13	-0.04	0.0	-2.94e-06	0.0
1017	298	-6.07e-03	-0.03	-0.05	0.0	-4.26e-06	1.86e-06
1017	305	-0.03	-0.04	-0.05	0.0	-2.22e-05	4.67e-06
1017	308	-4.31e-03	-0.04	-0.04	0.0	-2.94e-06	0.0
1017	310	-5.83e-03	-0.03	-0.05	0.0	-4.08e-06	1.69e-06
1018	28	-0.05	-0.03	-0.03	0.0	-9.02e-05	5.03e-06
1018	44	-0.07	-0.03	-0.03	0.0	-1.44e-04	7.35e-06
1018	69	-1.84e-03	0.07	-0.01	0.0	-3.36e-06	0.0
1018	116	-0.81	0.17	-0.03	0.0	-1.59e-03	3.51e-05
1018	138	0.09	-0.65	-0.02	0.0	1.87e-04	-5.26e-06
1018	144	-0.32	-0.57	-0.03	0.0	-6.31e-04	2.03e-05
1018	148	-0.91	0.19	-0.03	0.0	-1.79e-03	3.94e-05
1018	170	0.11	-0.73	-0.02	0.0	2.09e-04	-5.97e-06
1018	176	-0.36	-0.65	-0.03	0.0	-7.10e-04	2.27e-05
1018	180	-0.90	0.18	-0.03	0.0	-1.77e-03	3.84e-05
1018	202	0.10	-0.74	-0.02	0.0	1.97e-04	-5.94e-06
1018	208	-0.36	-0.66	-0.03	0.0	-7.07e-04	2.21e-05
1018	212	-1.05	0.21	-0.03	0.0	-2.07e-03	4.47e-05
1018	234	0.11	-0.88	-0.03	0.0	2.26e-04	-7.05e-06
1018	240	-0.42	-0.78	-0.03	0.0	-8.27e-04	2.56e-05
1018	256	-0.03	-0.02	-0.02	0.0	-6.04e-05	3.33e-06
1018	264	-0.05	-0.02	-0.02	0.0	-9.64e-05	4.88e-06
1018	273	-1.86e-03	0.04	-0.01	0.0	-3.48e-06	0.0
1018	298	-2.36e-03	-0.01	-0.02	0.0	-4.64e-06	0.0
1018	305	-0.01	-0.01	-0.02	0.0	-2.28e-05	1.40e-06
1018	308	-1.61e-03	-0.02	-0.01	0.0	-3.13e-06	0.0
1018	310	-2.26e-03	-0.01	-0.02	0.0	-4.43e-06	0.0
1019	1	0.0	0.0	0.0	0.0	3.69e-05	0.0
1019	113	0.0	0.0	0.0	0.0	1.59e-03	-4.04e-06
1019	145	0.0	0.0	0.0	0.0	1.79e-03	-4.55e-06
1019	177	0.0	0.0	0.0	0.0	1.77e-03	-4.44e-06
1019	209	0.0	0.0	0.0	0.0	2.08e-03	-5.19e-06

1019	241	0.0	0.0	0.0	0.0	2.43e-05	0.0
1019	297	0.0	0.0	0.0	0.0	-3.20e-06	0.0
1019	309	0.0	0.0	0.0	0.0	-3.20e-06	0.0
1020	28	-0.09	-0.06	-0.06	0.0	-9.00e-05	8.69e-06
1020	44	-0.14	-0.06	-0.06	0.0	-1.44e-04	1.26e-05
1020	69	-3.57e-03	0.14	-0.02	0.0	-2.96e-06	0.0
1020	116	-1.61	0.34	-0.05	0.0	-1.57e-03	4.65e-05
1020	138	0.19	-1.31	-0.05	0.0	1.84e-04	-4.77e-06
1020	144	-0.63	-1.16	-0.06	0.0	-6.22e-04	3.41e-05
1020	148	-1.80	0.38	-0.05	0.0	-1.76e-03	5.19e-05
1020	170	0.21	-1.48	-0.05	0.0	2.05e-04	-5.49e-06
1020	176	-0.71	-1.31	-0.06	0.0	-7.00e-04	3.81e-05
1020	180	-1.78	0.36	-0.05	0.0	-1.75e-03	5.02e-05
1020	202	0.20	-1.50	-0.05	0.0	1.94e-04	-5.74e-06
1020	208	-0.71	-1.34	-0.06	0.0	-6.98e-04	3.69e-05
1020	212	-2.09	0.41	-0.06	0.0	-2.04e-03	5.81e-05
1020	234	0.23	-1.77	-0.05	0.0	2.22e-04	-7.01e-06
1020	240	-0.83	-1.59	-0.06	0.0	-8.17e-04	4.25e-05
1020	256	-0.06	-0.04	-0.04	0.0	-6.02e-05	5.76e-06
1020	264	-0.10	-0.04	-0.04	0.0	-9.62e-05	8.37e-06
1020	273	-3.63e-03	0.08	-0.03	0.0	-3.19e-06	0.0
1020	298	-4.67e-03	-0.02	-0.04	0.0	-4.57e-06	1.08e-06
1020	305	-0.02	-0.03	-0.04	0.0	-2.27e-05	2.43e-06
1020	308	-3.16e-03	-0.03	-0.03	0.0	-3.07e-06	0.0
1020	310	-4.46e-03	-0.02	-0.04	0.0	-4.36e-06	0.0
1021	28	-0.14	-0.08	-0.10	0.0	-8.99e-05	1.08e-05
1021	44	-0.22	-0.09	-0.09	0.0	-1.44e-04	1.55e-05
1021	69	-5.05e-03	0.21	-0.04	0.0	-2.22e-06	-1.28e-06
1021	116	-2.38	0.51	-0.08	0.0	-1.54e-03	3.58e-05
1021	138	0.28	-1.99	-0.07	0.0	1.79e-04	-2.98e-05
1021	144	-0.94	-1.77	-0.08	0.0	-6.12e-04	1.03e-05
1021	148	-2.68	0.57	-0.08	0.0	-1.73e-03	3.98e-05
1021	170	0.31	-2.24	-0.07	0.0	2.00e-04	-3.35e-05
1021	176	-1.06	-2.00	-0.09	0.0	-6.89e-04	1.15e-05
1021	180	-2.65	0.54	-0.08	0.0	-1.71e-03	3.72e-05
1021	202	0.30	-2.28	-0.07	0.0	1.89e-04	-3.18e-05
1021	208	-1.06	-2.04	-0.09	0.0	-6.87e-04	1.20e-05
1021	212	-3.10	0.62	-0.09	0.0	-2.00e-03	4.24e-05
1021	234	0.34	-2.69	-0.08	0.0	2.16e-04	-3.70e-05
1021	240	-1.24	-2.42	-0.09	0.0	-8.04e-04	1.39e-05
1021	256	-0.09	-0.05	-0.07	0.0	-6.02e-05	7.13e-06
1021	264	-0.14	-0.06	-0.06	0.0	-9.61e-05	1.03e-05
1021	273	-5.22e-03	0.13	-0.04	0.0	-2.68e-06	0.0
1021	298	-6.92e-03	-0.03	-0.06	0.0	-4.51e-06	1.40e-06
1021	305	-0.03	-0.04	-0.06	0.0	-2.26e-05	3.03e-06
1021	308	-4.66e-03	-0.04	-0.04	0.0	-3.03e-06	0.0
1021	310	-6.61e-03	-0.03	-0.06	0.0	-4.30e-06	1.27e-06
1022	28	-0.05	-0.03	-0.04	0.0	-9.33e-05	2.70e-06
1022	44	-0.07	-0.03	-0.03	0.0	-1.49e-04	3.81e-06
1022	69	-1.57e-03	0.07	-0.01	0.0	-2.85e-06	0.0
1022	116	-0.81	0.17	-0.03	0.0	-1.59e-03	4.29e-06
1022	138	0.10	-0.65	-0.02	0.0	1.92e-04	-1.06e-05
1022	148	-0.91	0.19	-0.03	0.0	-1.79e-03	4.66e-06
1022	170	0.11	-0.73	-0.02	0.0	2.15e-04	-1.19e-05
1022	180	-0.90	0.18	-0.03	0.0	-1.77e-03	3.84e-06
1022	202	0.10	-0.74	-0.02	0.0	2.03e-04	-1.15e-05
1022	212	-1.05	0.20	-0.03	0.0	-2.07e-03	4.20e-06
1022	234	0.12	-0.87	-0.02	0.0	2.33e-04	-1.36e-05
1022	256	-0.03	-0.02	-0.02	0.0	-6.24e-05	1.79e-06
1022	264	-0.05	-0.02	-0.02	0.0	-9.94e-05	2.53e-06
1022	288	-2.63e-03	-0.04	-0.02	0.0	-5.25e-06	0.0
1022	298	-2.58e-03	-0.01	-0.02	0.0	-5.08e-06	0.0
1022	305	-0.01	-0.02	-0.02	0.0	-2.37e-05	0.0
1022	308	-1.70e-03	-0.02	-0.02	0.0	-3.34e-06	0.0
1022	310	-2.45e-03	-0.01	-0.02	0.0	-4.83e-06	0.0
1023	1	0.0	0.0	0.0	0.0	3.78e-05	0.0
1023	113	0.0	0.0	0.0	0.0	1.60e-03	0.0
1023	145	0.0	0.0	0.0	0.0	1.79e-03	0.0
1023	177	0.0	0.0	0.0	0.0	1.77e-03	0.0
1023	209	0.0	0.0	0.0	0.0	2.08e-03	0.0
1023	241	0.0	0.0	0.0	0.0	2.50e-05	0.0
1023	297	0.0	0.0	0.0	0.0	-3.36e-06	0.0
1023	309	0.0	0.0	0.0	0.0	-3.36e-06	0.0
1024	28	-0.09	-0.06	-0.07	0.0	-9.28e-05	5.19e-06
1024	44	-0.15	-0.06	-0.06	0.0	-1.48e-04	7.31e-06

1024	69	-3.02e-03	0.14	-0.03	0.0	-2.51e-06	0.0
1024	116	-1.61	0.34	-0.05	0.0	-1.57e-03	8.25e-06
1024	138	0.19	-1.31	-0.04	0.0	1.89e-04	-2.16e-05
1024	148	-1.80	0.38	-0.05	0.0	-1.76e-03	8.95e-06
1024	170	0.22	-1.48	-0.04	0.0	2.11e-04	-2.43e-05
1024	180	-1.78	0.36	-0.05	0.0	-1.74e-03	7.31e-06
1024	202	0.20	-1.50	-0.04	0.0	2.00e-04	-2.35e-05
1024	212	-2.09	0.41	-0.06	0.0	-2.04e-03	7.95e-06
1024	234	0.23	-1.77	-0.04	0.0	2.29e-04	-2.77e-05
1024	256	-0.06	-0.04	-0.05	0.0	-6.21e-05	3.45e-06
1024	264	-0.10	-0.04	-0.05	0.0	-9.88e-05	4.85e-06
1024	273	-3.36e-03	0.08	-0.03	0.0	-2.98e-06	0.0
1024	298	-5.11e-03	-0.02	-0.04	0.0	-5.00e-06	0.0
1024	305	-0.02	-0.03	-0.04	0.0	-2.35e-05	1.52e-06
1024	308	-3.36e-03	-0.03	-0.03	0.0	-3.30e-06	0.0
1024	310	-4.86e-03	-0.02	-0.04	0.0	-4.75e-06	0.0
1025	28	-0.14	-0.08	-0.11	0.0	-9.22e-05	7.49e-06
1025	44	-0.22	-0.09	-0.10	0.0	-1.47e-04	1.05e-05
1025	69	-4.22e-03	0.21	-0.04	0.0	-1.94e-06	-1.34e-06
1025	116	-2.38	0.51	-0.08	0.0	-1.53e-03	1.06e-05
1025	138	0.29	-1.99	-0.06	0.0	1.84e-04	-3.13e-05
1025	148	-2.67	0.57	-0.08	0.0	-1.72e-03	1.14e-05
1025	170	0.32	-2.24	-0.06	0.0	2.06e-04	-3.52e-05
1025	180	-2.64	0.54	-0.08	0.0	-1.70e-03	8.96e-06
1025	202	0.30	-2.28	-0.06	0.0	1.95e-04	-3.41e-05
1025	212	-3.09	0.62	-0.09	0.0	-1.99e-03	9.55e-06
1025	234	0.35	-2.70	-0.06	0.0	2.23e-04	-4.02e-05
1025	256	-0.09	-0.05	-0.08	0.0	-6.17e-05	4.98e-06
1025	264	-0.15	-0.06	-0.07	0.0	-9.82e-05	7.00e-06
1025	273	-4.81e-03	0.13	-0.05	0.0	-2.58e-06	0.0
1025	298	-7.58e-03	-0.03	-0.06	0.0	-4.92e-06	1.17e-06
1025	305	-0.04	-0.04	-0.06	0.0	-2.33e-05	2.23e-06
1025	308	-4.98e-03	-0.04	-0.05	0.0	-3.27e-06	0.0
1025	310	-7.21e-03	-0.03	-0.06	0.0	-4.67e-06	1.08e-06
1026	44	-0.08	-0.03	-0.04	0.0	-1.52e-04	2.64e-06
1026	52	-4.53e-03	0.02	-0.04	0.0	-8.89e-06	0.0
1026	69	-1.28e-03	0.07	-0.02	0.0	-2.40e-06	0.0
1026	116	-0.80	0.17	-0.03	0.0	-1.58e-03	-2.37e-05
1026	119	-0.70	0.43	-0.03	0.0	-1.39e-03	-1.37e-05
1026	138	0.10	-0.64	-0.02	0.0	1.96e-04	-4.64e-06
1026	148	-0.90	0.19	-0.03	0.0	-1.77e-03	-2.67e-05
1026	151	-0.79	0.48	-0.03	0.0	-1.56e-03	-1.54e-05
1026	170	0.11	-0.73	-0.02	0.0	2.20e-04	-5.29e-06
1026	180	-0.89	0.18	-0.03	0.0	-1.75e-03	-2.64e-05
1026	183	-0.77	0.48	-0.03	0.0	-1.53e-03	-1.49e-05
1026	202	0.11	-0.74	-0.02	0.0	2.08e-04	-5.35e-06
1026	212	-1.04	0.20	-0.03	0.0	-2.05e-03	-3.13e-05
1026	215	-0.90	0.56	-0.04	0.0	-1.78e-03	-1.75e-05
1026	234	0.12	-0.87	-0.01	0.0	2.39e-04	-6.40e-06
1026	264	-0.05	-0.02	-0.03	0.0	-1.01e-04	1.76e-06
1026	268	-3.13e-03	0.01	-0.03	0.0	-6.15e-06	0.0
1026	288	-2.93e-03	-0.04	-0.03	0.0	-5.86e-06	0.0
1026	298	-2.76e-03	-0.01	-0.02	0.0	-5.47e-06	0.0
1026	305	-0.01	-0.02	-0.02	0.0	-2.43e-05	0.0
1026	308	-1.79e-03	-0.02	-0.02	0.0	-3.56e-06	0.0
1026	310	-2.62e-03	-0.01	-0.02	0.0	-5.19e-06	0.0
1027	1	0.0	0.0	0.0	0.0	3.82e-05	0.0
1027	113	0.0	0.0	0.0	0.0	1.58e-03	2.85e-06
1027	145	0.0	0.0	0.0	0.0	1.77e-03	3.20e-06
1027	177	0.0	0.0	0.0	0.0	1.75e-03	3.16e-06
1027	209	0.0	0.0	0.0	0.0	2.05e-03	3.72e-06
1027	241	0.0	0.0	0.0	0.0	2.53e-05	0.0
1027	297	0.0	0.0	0.0	0.0	-3.52e-06	0.0
1027	309	0.0	0.0	0.0	0.0	-3.52e-06	0.0
1028	28	-0.10	-0.06	-0.08	0.0	-9.51e-05	3.92e-06
1028	44	-0.15	-0.07	-0.07	0.0	-1.51e-04	5.38e-06
1028	69	-2.48e-03	0.14	-0.03	0.0	-2.22e-06	0.0
1028	116	-1.59	0.34	-0.06	0.0	-1.56e-03	-4.42e-05
1028	119	-1.40	0.87	-0.07	0.0	-1.37e-03	-2.42e-05
1028	138	0.20	-1.31	-0.03	0.0	1.93e-04	-1.00e-05
1028	148	-1.78	0.38	-0.06	0.0	-1.75e-03	-4.97e-05
1028	151	-1.57	0.98	-0.07	0.0	-1.53e-03	-2.72e-05
1028	170	0.22	-1.48	-0.03	0.0	2.16e-04	-1.14e-05
1028	180	-1.76	0.36	-0.06	0.0	-1.73e-03	-4.91e-05
1028	183	-1.54	0.97	-0.07	0.0	-1.51e-03	-2.63e-05

1028	202	0.21	-1.50	-0.03	0.0	2.05e-04	-1.15e-05
1028	212	-2.06	0.41	-0.06	0.0	-2.02e-03	-5.82e-05
1028	215	-1.80	1.14	-0.07	0.0	-1.76e-03	-3.09e-05
1028	234	0.24	-1.77	-0.03	0.0	2.35e-04	-1.38e-05
1028	256	-0.06	-0.04	-0.06	0.0	-6.36e-05	2.62e-06
1028	264	-0.10	-0.05	-0.05	0.0	-1.01e-04	3.59e-06
1028	273	-3.07e-03	0.08	-0.04	0.0	-2.88e-06	0.0
1028	298	-5.49e-03	-0.03	-0.05	0.0	-5.42e-06	0.0
1028	305	-0.02	-0.03	-0.05	0.0	-2.42e-05	1.21e-06
1028	308	-3.56e-03	-0.03	-0.04	0.0	-3.54e-06	0.0
1028	310	-5.21e-03	-0.02	-0.05	0.0	-5.14e-06	0.0
1029	28	-0.14	-0.08	-0.12	0.0	-9.45e-05	6.07e-06
1029	44	-0.23	-0.09	-0.11	0.0	-1.50e-04	8.36e-06
1029	69	-3.54e-03	0.21	-0.05	0.0	-1.96e-06	-1.04e-06
1029	116	-2.36	0.51	-0.09	0.0	-1.52e-03	-5.88e-05
1029	119	-2.07	1.32	-0.10	0.0	-1.34e-03	-3.01e-05
1029	138	0.29	-1.99	-0.05	0.0	1.89e-04	-1.57e-05
1029	148	-2.65	0.57	-0.09	0.0	-1.71e-03	-6.61e-05
1029	151	-2.33	1.49	-0.10	0.0	-1.50e-03	-3.37e-05
1029	170	0.33	-2.24	-0.05	0.0	2.11e-04	-1.79e-05
1029	180	-2.62	0.54	-0.09	0.0	-1.69e-03	-6.53e-05
1029	183	-2.29	1.48	-0.10	0.0	-1.48e-03	-3.24e-05
1029	202	0.31	-2.28	-0.05	0.0	2.00e-04	-1.80e-05
1029	212	-3.07	0.61	-0.10	0.0	-1.98e-03	-7.73e-05
1029	215	-2.67	1.74	-0.11	0.0	-1.72e-03	-3.81e-05
1029	234	0.36	-2.70	-0.05	0.0	2.30e-04	-2.14e-05
1029	256	-0.10	-0.06	-0.09	0.0	-6.33e-05	4.06e-06
1029	264	-0.15	-0.06	-0.08	0.0	-1.00e-04	5.59e-06
1029	273	-4.48e-03	0.13	-0.06	0.0	-2.69e-06	0.0
1029	298	-8.18e-03	-0.03	-0.07	0.0	-5.36e-06	1.10e-06
1029	305	-0.04	-0.04	-0.07	0.0	-2.41e-05	1.90e-06
1029	308	-5.33e-03	-0.04	-0.05	0.0	-3.54e-06	0.0
1029	310	-7.76e-03	-0.03	-0.07	0.0	-5.09e-06	1.02e-06
1030	44	-0.08	-0.04	-0.05	0.0	-1.54e-04	2.42e-06
1030	52	-4.68e-03	0.02	-0.05	0.0	-9.30e-06	0.0
1030	69	-1.02e-03	0.06	-0.02	0.0	-2.06e-06	0.0
1030	116	-0.79	0.16	-0.04	0.0	-1.56e-03	-2.48e-05
1030	119	-0.70	0.42	-0.04	0.0	-1.38e-03	-1.45e-05
1030	138	0.10	-0.64	-0.02	0.0	2.00e-04	-4.75e-06
1030	148	-0.89	0.18	-0.04	0.0	-1.75e-03	-2.80e-05
1030	151	-0.78	0.48	-0.04	0.0	-1.54e-03	-1.63e-05
1030	170	0.11	-0.72	-0.02	0.0	2.24e-04	-5.42e-06
1030	180	-0.87	0.17	-0.04	0.0	-1.73e-03	-2.76e-05
1030	183	-0.77	0.47	-0.04	0.0	-1.52e-03	-1.58e-05
1030	202	0.11	-0.73	-0.02	0.0	2.12e-04	-5.50e-06
1030	212	-1.02	0.20	-0.04	0.0	-2.02e-03	-3.27e-05
1030	215	-0.89	0.56	-0.04	0.0	-1.77e-03	-1.86e-05
1030	234	0.12	-0.87	-0.02	0.0	2.44e-04	-6.58e-06
1030	264	-0.05	-0.02	-0.03	0.0	-1.03e-04	1.62e-06
1030	268	-3.23e-03	0.01	-0.04	0.0	-6.43e-06	0.0
1030	288	-3.23e-03	-0.04	-0.03	0.0	-6.43e-06	0.0
1030	298	-2.94e-03	-0.01	-0.03	0.0	-5.85e-06	0.0
1030	305	-0.01	-0.02	-0.03	0.0	-2.50e-05	0.0
1030	310	-2.78e-03	-0.01	-0.03	0.0	-5.54e-06	0.0
1031	1	0.0	0.0	0.0	0.0	3.86e-05	0.0
1031	113	0.0	0.0	0.0	0.0	1.56e-03	3.01e-06
1031	145	0.0	0.0	0.0	0.0	1.75e-03	3.38e-06
1031	177	0.0	0.0	0.0	0.0	1.73e-03	3.34e-06
1031	209	0.0	0.0	0.0	0.0	2.02e-03	3.93e-06
1031	241	0.0	0.0	0.0	0.0	2.55e-05	0.0
1031	297	0.0	0.0	0.0	0.0	-3.70e-06	0.0
1031	309	0.0	0.0	0.0	0.0	-3.70e-06	0.0
1032	44	-0.15	-0.07	-0.09	0.0	-1.54e-04	4.93e-06
1032	52	-9.33e-03	0.05	-0.10	0.0	-9.24e-06	0.0
1032	69	-2.04e-03	0.14	-0.05	0.0	-2.08e-06	0.0
1032	116	-1.57	0.33	-0.08	0.0	-1.54e-03	-4.78e-05
1032	119	-1.38	0.87	-0.08	0.0	-1.36e-03	-2.72e-05
1032	138	0.20	-1.31	-0.04	0.0	1.97e-04	-1.01e-05
1032	148	-1.76	0.38	-0.08	0.0	-1.73e-03	-5.38e-05
1032	151	-1.55	0.98	-0.09	0.0	-1.52e-03	-3.05e-05
1032	170	0.23	-1.47	-0.04	0.0	2.21e-04	-1.15e-05
1032	180	-1.74	0.35	-0.08	0.0	-1.71e-03	-5.32e-05
1032	183	-1.53	0.97	-0.09	0.0	-1.50e-03	-2.95e-05
1032	202	0.21	-1.50	-0.04	0.0	2.10e-04	-1.16e-05
1032	212	-2.04	0.41	-0.08	0.0	-2.00e-03	-6.29e-05

1032	215	-1.78	1.14	-0.09	0.0	-1.75e-03	-3.47e-05
1032	234	0.25	-1.77	-0.03	0.0	2.41e-04	-1.39e-05
1032	264	-0.10	-0.05	-0.06	0.0	-1.03e-04	3.30e-06
1032	268	-6.45e-03	0.03	-0.07	0.0	-6.40e-06	0.0
1032	273	-2.86e-03	0.08	-0.05	0.0	-2.88e-06	0.0
1032	298	-5.86e-03	-0.03	-0.06	0.0	-5.82e-06	0.0
1032	305	-0.03	-0.03	-0.06	0.0	-2.49e-05	1.16e-06
1032	308	-3.79e-03	-0.03	-0.04	0.0	-3.79e-06	0.0
1032	310	-5.55e-03	-0.03	-0.06	0.0	-5.52e-06	0.0
1033	44	-0.23	-0.09	-0.14	0.0	-1.53e-04	7.67e-06
1033	52	-0.01	0.08	-0.16	0.0	-9.18e-06	1.26e-06
1033	69	-3.07e-03	0.21	-0.07	0.0	-2.12e-06	0.0
1033	116	-2.33	0.51	-0.12	0.0	-1.51e-03	-6.60e-05
1033	119	-2.06	1.32	-0.13	0.0	-1.33e-03	-3.60e-05
1033	138	0.30	-1.99	-0.05	0.0	1.93e-04	-1.55e-05
1033	148	-2.62	0.57	-0.12	0.0	-1.69e-03	-7.43e-05
1033	151	-2.31	1.49	-0.13	0.0	-1.49e-03	-4.04e-05
1033	170	0.33	-2.24	-0.05	0.0	2.16e-04	-1.77e-05
1033	180	-2.59	0.53	-0.12	0.0	-1.67e-03	-7.35e-05
1033	183	-2.27	1.48	-0.13	0.0	-1.47e-03	-3.91e-05
1033	202	0.32	-2.28	-0.05	0.0	2.05e-04	-1.79e-05
1033	212	-3.03	0.61	-0.13	0.0	-1.96e-03	-8.71e-05
1033	215	-2.65	1.74	-0.14	0.0	-1.71e-03	-4.59e-05
1033	234	0.37	-2.70	-0.04	0.0	2.36e-04	-2.14e-05
1033	264	-0.15	-0.06	-0.10	0.0	-1.02e-04	5.15e-06
1033	268	-9.64e-03	0.05	-0.11	0.0	-6.36e-06	0.0
1033	273	-4.29e-03	0.13	-0.07	0.0	-2.90e-06	0.0
1033	298	-8.77e-03	-0.03	-0.09	0.0	-5.80e-06	1.09e-06
1033	305	-0.04	-0.04	-0.09	0.0	-2.48e-05	1.81e-06
1033	308	-5.68e-03	-0.04	-0.07	0.0	-3.80e-06	0.0
1033	310	-8.31e-03	-0.03	-0.09	0.0	-5.50e-06	1.02e-06
1034	44	-0.08	-0.04	-0.05	0.0	-1.57e-04	2.41e-06
1034	68	-3.71e-03	0.05	-0.07	0.0	-7.53e-06	0.0
1034	69	-7.93e-04	0.06	-0.04	0.0	-1.82e-06	0.0
1034	116	-0.78	0.16	-0.08	0.0	-1.54e-03	-2.48e-05
1034	138	0.10	-0.64	0.09	0.0	2.03e-04	-4.82e-06
1034	139	-0.11	0.61	-0.16	0.0	-2.15e-04	5.46e-06
1034	148	-0.87	0.18	-0.08	0.0	-1.73e-03	-2.79e-05
1034	170	0.11	-0.72	0.11	0.0	2.27e-04	-5.50e-06
1034	171	-0.12	0.69	-0.18	0.0	-2.39e-04	6.14e-06
1034	180	-0.86	0.17	-0.08	0.0	-1.71e-03	-2.75e-05
1034	202	0.11	-0.73	0.11	0.0	2.16e-04	-5.58e-06
1034	203	-0.12	0.70	-0.18	0.0	-2.28e-04	6.22e-06
1034	212	-1.01	0.20	-0.09	0.0	-2.00e-03	-3.25e-05
1034	234	0.13	-0.86	0.13	0.0	2.49e-04	-6.68e-06
1034	235	-0.13	0.83	-0.20	0.0	-2.61e-04	7.32e-06
1034	264	-0.05	-0.02	-0.04	0.0	-1.05e-04	1.61e-06
1034	276	-2.59e-03	0.03	-0.05	0.0	-5.26e-06	0.0
1034	288	-3.53e-03	-0.04	-0.03	0.0	-6.91e-06	0.0
1034	305	-0.01	-0.02	-0.03	0.0	-2.55e-05	0.0
1034	307	-2.83e-03	-4.45e-03	-0.04	0.0	-5.62e-06	0.0
1034	310	-2.95e-03	-0.01	-0.03	0.0	-5.84e-06	0.0
1035	1	0.0	0.0	0.0	0.0	3.89e-05	0.0
1035	113	0.0	0.0	0.0	0.0	1.54e-03	2.91e-06
1035	145	0.0	0.0	0.0	0.0	1.73e-03	3.26e-06
1035	177	0.0	0.0	0.0	0.0	1.71e-03	3.22e-06
1035	209	0.0	0.0	0.0	0.0	2.00e-03	3.80e-06
1035	241	0.0	0.0	0.0	0.0	2.57e-05	0.0
1035	297	0.0	0.0	0.0	0.0	-3.87e-06	0.0
1035	309	0.0	0.0	0.0	0.0	-3.87e-06	0.0
1036	44	-0.16	-0.07	-0.11	0.0	-1.56e-04	4.89e-06
1036	52	-9.71e-03	0.05	-0.14	0.0	-9.72e-06	0.0
1036	69	-1.67e-03	0.13	-0.08	0.0	-2.00e-06	0.0
1036	116	-1.55	0.33	-0.15	0.0	-1.52e-03	-4.82e-05
1036	138	0.20	-1.31	0.14	0.0	2.00e-04	-1.01e-05
1036	139	-0.22	1.26	-0.29	0.0	-2.12e-04	1.14e-05
1036	148	-1.74	0.37	-0.15	0.0	-1.71e-03	-5.42e-05
1036	170	0.23	-1.47	0.17	0.0	2.24e-04	-1.15e-05
1036	171	-0.24	1.42	-0.31	0.0	-2.36e-04	1.28e-05
1036	180	-1.72	0.35	-0.15	0.0	-1.69e-03	-5.36e-05
1036	202	0.22	-1.50	0.17	0.0	2.13e-04	-1.17e-05
1036	203	-0.23	1.45	-0.32	0.0	-2.25e-04	1.30e-05
1036	212	-2.01	0.40	-0.16	0.0	-1.97e-03	-6.34e-05
1036	234	0.25	-1.77	0.22	0.0	2.46e-04	-1.40e-05
1036	235	-0.26	1.72	-0.36	0.0	-2.57e-04	1.53e-05

1036	264	-0.11	-0.05	-0.07	0.0	-1.04e-04	3.28e-06
1036	268	-6.72e-03	0.03	-0.10	0.0	-6.73e-06	0.0
1036	273	-2.69e-03	0.08	-0.07	0.0	-2.90e-06	0.0
1036	305	-0.03	-0.03	-0.07	0.0	-2.54e-05	1.16e-06
1036	307	-5.66e-03	-4.93e-03	-0.08	0.0	-5.64e-06	0.0
1036	308	-4.02e-03	-0.03	-0.05	0.0	-4.00e-06	0.0
1036	310	-5.91e-03	-0.03	-0.07	0.0	-5.84e-06	0.0
1037	44	-0.24	-0.09	-0.17	0.0	-1.55e-04	7.59e-06
1037	52	-0.01	0.08	-0.22	0.0	-9.81e-06	1.30e-06
1037	69	-2.70e-03	0.21	-0.12	0.0	-2.27e-06	0.0
1037	116	-2.31	0.50	-0.21	0.0	-1.49e-03	-6.76e-05
1037	138	0.30	-1.99	0.16	0.0	1.96e-04	-1.55e-05
1037	139	-0.32	1.92	-0.39	0.0	-2.08e-04	1.75e-05
1037	148	-2.59	0.57	-0.22	0.0	-1.68e-03	-7.61e-05
1037	170	0.34	-2.24	0.20	0.0	2.20e-04	-1.77e-05
1037	171	-0.36	2.18	-0.42	0.0	-2.31e-04	1.97e-05
1037	180	-2.56	0.53	-0.22	0.0	-1.66e-03	-7.52e-05
1037	202	0.32	-2.28	0.20	0.0	2.09e-04	-1.79e-05
1037	203	-0.34	2.21	-0.43	0.0	-2.21e-04	1.99e-05
1037	212	-2.99	0.61	-0.23	0.0	-1.94e-03	-8.91e-05
1037	234	0.37	-2.69	0.26	0.0	2.41e-04	-2.14e-05
1037	235	-0.39	2.63	-0.48	0.0	-2.52e-04	2.34e-05
1037	264	-0.16	-0.06	-0.12	0.0	-1.04e-04	5.09e-06
1037	268	-0.01	0.05	-0.15	0.0	-6.80e-06	0.0
1037	273	-4.17e-03	0.13	-0.11	0.0	-3.08e-06	0.0
1037	305	-0.04	-0.04	-0.11	0.0	-2.54e-05	1.80e-06
1037	307	-8.52e-03	-1.93e-03	-0.12	0.0	-5.67e-06	0.0
1037	308	-6.05e-03	-0.04	-0.08	0.0	-4.02e-06	0.0
1037	310	-8.87e-03	-0.03	-0.11	0.0	-5.84e-06	1.02e-06
1038	28	-0.16	-0.09	-0.11	0.0	-9.50e-05	1.56e-05
1038	44	-0.27	-0.11	-0.11	0.0	-1.52e-04	2.22e-05
1038	69	-6.91e-03	0.29	-0.03	0.0	-1.28e-06	1.27e-06
1038	116	-3.09	0.69	-0.15	0.0	-1.72e-03	8.03e-05
1038	138	0.34	-2.67	-0.16	0.0	1.80e-04	-7.76e-06
1038	144	-1.21	-2.39	-0.21	0.0	-6.85e-04	6.16e-05
1038	148	-3.47	0.77	-0.16	0.0	-1.93e-03	8.97e-05
1038	170	0.38	-3.01	-0.18	0.0	2.00e-04	-8.93e-06
1038	176	-1.36	-2.69	-0.22	0.0	-7.71e-04	6.89e-05
1038	180	-3.43	0.73	-0.17	0.0	-1.91e-03	8.61e-05
1038	202	0.36	-3.06	-0.18	0.0	1.87e-04	-9.49e-06
1038	208	-1.36	-2.75	-0.23	0.0	-7.70e-04	6.64e-05
1038	212	-4.02	0.83	-0.18	0.0	-2.24e-03	9.95e-05
1038	234	0.41	-3.62	-0.20	0.0	2.13e-04	-1.17e-05
1038	240	-1.59	-3.26	-0.26	0.0	-9.02e-04	7.65e-05
1038	256	-0.11	-0.06	-0.08	0.0	-6.35e-05	1.02e-05
1038	264	-0.18	-0.07	-0.08	0.0	-1.02e-04	1.45e-05
1038	273	-6.70e-03	0.18	-0.04	0.0	-2.13e-06	1.14e-06
1038	298	-7.32e-03	-0.03	-0.07	0.0	-4.65e-06	1.73e-06
1038	305	-0.04	-0.04	-0.07	0.0	-2.38e-05	4.04e-06
1038	308	-5.66e-03	-0.05	-0.05	0.0	-3.29e-06	0.0
1038	310	-7.10e-03	-0.03	-0.06	0.0	-4.44e-06	1.50e-06
1039	28	-0.22	-0.09	-0.15	0.0	-9.49e-05	2.28e-06
1039	44	-0.35	-0.12	-0.14	0.0	-1.52e-04	0.0
1039	69	-7.90e-03	0.38	-0.04	0.0	1.25e-06	4.05e-06
1039	116	-3.97	0.86	-0.20	0.0	-1.69e-03	-3.31e-04
1039	138	0.43	-3.36	-0.21	0.0	1.73e-04	4.35e-06
1039	144	-1.56	-3.00	-0.26	0.0	-6.77e-04	-1.24e-04
1039	148	-4.46	0.97	-0.21	0.0	-1.90e-03	-3.73e-04
1039	170	0.48	-3.79	-0.22	0.0	1.93e-04	4.34e-06
1039	176	-1.76	-3.39	-0.29	0.0	-7.62e-04	-1.40e-04
1039	180	-4.41	0.91	-0.21	0.0	-1.88e-03	-3.71e-04
1039	202	0.46	-3.85	-0.23	0.0	1.80e-04	2.61e-06
1039	208	-1.75	-3.47	-0.29	0.0	-7.60e-04	-1.39e-04
1039	212	-5.16	1.04	-0.24	0.0	-2.20e-03	-4.36e-04
1039	234	0.52	-4.56	-0.26	0.0	2.05e-04	1.59e-06
1039	240	-2.05	-4.11	-0.33	0.0	-8.91e-04	-1.64e-04
1039	256	-0.14	-0.06	-0.10	0.0	-6.34e-05	1.25e-06
1039	264	-0.23	-0.08	-0.10	0.0	-1.01e-04	0.0
1039	273	-8.06e-03	0.24	-0.05	0.0	0.0	2.86e-06
1039	298	-9.87e-03	-0.03	-0.09	0.0	-4.40e-06	1.24e-06
1039	305	-0.05	-0.04	-0.09	0.0	-2.36e-05	0.0
1039	308	-7.39e-03	-0.05	-0.07	0.0	-2.95e-06	0.0
1039	310	-9.53e-03	-0.03	-0.08	0.0	-4.15e-06	1.03e-06
1040	28	-0.17	-0.09	-0.12	0.0	-9.02e-05	1.37e-05
1040	44	-0.28	-0.11	-0.11	0.0	-1.45e-04	1.96e-05

1040	69	-7.00e-03	0.29	-0.04	0.0	-1.49e-06	0.0
1040	116	-3.12	0.69	-0.12	0.0	-1.56e-03	5.59e-05
1040	138	0.36	-2.67	-0.12	0.0	1.72e-04	-4.10e-05
1040	144	-1.23	-2.39	-0.14	0.0	-6.22e-04	1.62e-05
1040	148	-3.51	0.77	-0.13	0.0	-1.75e-03	6.22e-05
1040	170	0.40	-3.02	-0.13	0.0	1.92e-04	-4.60e-05
1040	176	-1.39	-2.70	-0.15	0.0	-7.00e-04	1.82e-05
1040	180	-3.47	0.72	-0.13	0.0	-1.73e-03	5.87e-05
1040	202	0.37	-3.07	-0.13	0.0	1.80e-04	-4.36e-05
1040	208	-1.38	-2.75	-0.16	0.0	-6.98e-04	1.89e-05
1040	212	-4.06	0.83	-0.14	0.0	-2.03e-03	6.74e-05
1040	234	0.43	-3.63	-0.14	0.0	2.06e-04	-5.07e-05
1040	240	-1.62	-3.26	-0.17	0.0	-8.17e-04	2.19e-05
1040	256	-0.12	-0.06	-0.08	0.0	-6.03e-05	9.00e-06
1040	264	-0.19	-0.07	-0.08	0.0	-9.66e-05	1.29e-05
1040	273	-6.94e-03	0.18	-0.05	0.0	-2.16e-06	0.0
1040	298	-8.27e-03	-0.03	-0.07	0.0	-4.34e-06	1.67e-06
1040	305	-0.04	-0.04	-0.07	0.0	-2.26e-05	3.71e-06
1040	308	-5.80e-03	-0.05	-0.05	0.0	-2.94e-06	0.0
1040	310	-7.94e-03	-0.03	-0.07	0.0	-4.13e-06	1.49e-06
1041	28	-0.22	-0.09	-0.16	0.0	-9.13e-05	9.09e-06
1041	44	-0.35	-0.12	-0.15	0.0	-1.46e-04	1.22e-05
1041	69	-7.75e-03	0.37	-0.05	0.0	0.0	-1.33e-06
1041	116	-3.90	0.86	-0.15	0.0	-1.56e-03	2.95e-05
1041	138	0.44	-3.36	-0.15	0.0	1.69e-04	-5.92e-05
1041	144	-1.54	-3.01	-0.18	0.0	-6.26e-04	-2.62e-05
1041	148	-4.38	0.97	-0.16	0.0	-1.76e-03	3.25e-05
1041	170	0.49	-3.79	-0.16	0.0	1.89e-04	-6.68e-05
1041	176	-1.74	-3.40	-0.20	0.0	-7.05e-04	-2.97e-05
1041	180	-4.33	0.91	-0.16	0.0	-1.74e-03	2.93e-05
1041	202	0.46	-3.86	-0.16	0.0	1.77e-04	-6.54e-05
1041	208	-1.73	-3.47	-0.20	0.0	-7.03e-04	-2.94e-05
1041	212	-5.07	1.04	-0.18	0.0	-2.03e-03	3.30e-05
1041	234	0.53	-4.56	-0.18	0.0	2.02e-04	-7.69e-05
1041	240	-2.03	-4.12	-0.22	0.0	-8.24e-04	-3.50e-05
1041	256	-0.15	-0.06	-0.11	0.0	-6.10e-05	5.91e-06
1041	264	-0.23	-0.08	-0.10	0.0	-9.77e-05	7.96e-06
1041	273	-8.02e-03	0.24	-0.06	0.0	0.0	0.0
1041	298	-0.01	-0.03	-0.10	0.0	-4.27e-06	1.41e-06
1041	305	-0.05	-0.04	-0.09	0.0	-2.27e-05	2.53e-06
1041	308	-7.26e-03	-0.05	-0.07	0.0	-2.89e-06	0.0
1041	310	-0.01	-0.03	-0.09	0.0	-4.05e-06	1.24e-06
1042	28	-0.18	-0.09	-0.13	0.0	-9.02e-05	1.14e-05
1042	44	-0.29	-0.11	-0.12	0.0	-1.44e-04	1.62e-05
1042	69	-6.05e-03	0.29	-0.05	0.0	-1.10e-06	-1.70e-06
1042	116	-3.14	0.68	-0.11	0.0	-1.52e-03	2.39e-05
1042	138	0.37	-2.68	-0.10	0.0	1.75e-04	-3.73e-05
1042	144	-1.24	-2.39	-0.11	0.0	-6.06e-04	2.91e-06
1042	148	-3.53	0.77	-0.11	0.0	-1.70e-03	2.62e-05
1042	170	0.41	-3.02	-0.10	0.0	1.95e-04	-4.20e-05
1042	176	-1.40	-2.70	-0.12	0.0	-6.82e-04	3.10e-06
1042	180	-3.49	0.72	-0.11	0.0	-1.69e-03	2.27e-05
1042	202	0.39	-3.07	-0.10	0.0	1.84e-04	-4.00e-05
1042	208	-1.40	-2.76	-0.12	0.0	-6.80e-04	3.57e-06
1042	212	-4.08	0.83	-0.12	0.0	-1.97e-03	2.51e-05
1042	234	0.44	-3.63	-0.11	0.0	2.11e-04	-4.68e-05
1042	240	-1.63	-3.27	-0.13	0.0	-7.96e-04	3.84e-06
1042	256	-0.12	-0.06	-0.09	0.0	-6.03e-05	7.56e-06
1042	264	-0.19	-0.07	-0.08	0.0	-9.64e-05	1.08e-05
1042	273	-6.48e-03	0.18	-0.06	0.0	-1.92e-06	0.0
1042	298	-9.15e-03	-0.03	-0.08	0.0	-4.49e-06	1.59e-06
1042	305	-0.05	-0.04	-0.08	0.0	-2.26e-05	3.26e-06
1042	308	-6.14e-03	-0.05	-0.06	0.0	-3.04e-06	0.0
1042	310	-8.73e-03	-0.03	-0.08	0.0	-4.26e-06	1.45e-06
1043	28	-0.23	-0.10	-0.18	0.0	-9.10e-05	1.14e-05
1043	44	-0.36	-0.12	-0.16	0.0	-1.46e-04	1.59e-05
1043	69	-6.30e-03	0.37	-0.07	0.0	0.0	-1.92e-06
1043	116	-3.89	0.86	-0.14	0.0	-1.51e-03	1.34e-05
1043	138	0.45	-3.36	-0.13	0.0	1.72e-04	-4.84e-05
1043	144	-1.54	-3.01	-0.15	0.0	-6.06e-04	-1.04e-05
1043	148	-4.37	0.96	-0.14	0.0	-1.70e-03	1.43e-05
1043	170	0.51	-3.80	-0.13	0.0	1.92e-04	-5.45e-05
1043	176	-1.74	-3.40	-0.15	0.0	-6.82e-04	-1.19e-05
1043	180	-4.32	0.91	-0.14	0.0	-1.68e-03	1.02e-05
1043	202	0.48	-3.86	-0.13	0.0	1.81e-04	-5.26e-05

1043	208	-1.73	-3.47	-0.15	0.0	-6.80e-04	-1.16e-05
1043	212	-5.06	1.04	-0.15	0.0	-1.96e-03	1.03e-05
1043	234	0.55	-4.57	-0.14	0.0	2.07e-04	-6.18e-05
1043	240	-2.03	-4.12	-0.16	0.0	-7.96e-04	-1.42e-05
1043	256	-0.15	-0.07	-0.12	0.0	-6.08e-05	7.55e-06
1043	264	-0.24	-0.08	-0.11	0.0	-9.72e-05	1.06e-05
1043	273	-7.23e-03	0.24	-0.07	0.0	0.0	0.0
1043	298	-0.01	-0.03	-0.11	0.0	-4.49e-06	1.77e-06
1043	305	-0.06	-0.04	-0.10	0.0	-2.28e-05	3.36e-06
1043	308	-7.65e-03	-0.05	-0.08	0.0	-3.10e-06	0.0
1043	310	-0.01	-0.03	-0.10	0.0	-4.27e-06	1.62e-06
1044	28	-0.19	-0.09	-0.15	0.0	-9.20e-05	9.47e-06
1044	44	-0.30	-0.11	-0.13	0.0	-1.47e-04	1.33e-05
1044	69	-5.05e-03	0.29	-0.06	0.0	-1.24e-06	-1.42e-06
1044	116	-3.14	0.68	-0.11	0.0	-1.50e-03	1.20e-05
1044	138	0.38	-2.68	-0.09	0.0	1.80e-04	-4.11e-05
1044	148	-3.52	0.77	-0.11	0.0	-1.69e-03	1.28e-05
1044	170	0.42	-3.02	-0.09	0.0	2.01e-04	-4.64e-05
1044	180	-3.48	0.72	-0.11	0.0	-1.67e-03	9.72e-06
1044	202	0.40	-3.07	-0.09	0.0	1.90e-04	-4.50e-05
1044	212	-4.07	0.82	-0.12	0.0	-1.95e-03	1.01e-05
1044	234	0.46	-3.63	-0.09	0.0	2.18e-04	-5.30e-05
1044	256	-0.12	-0.06	-0.10	0.0	-6.15e-05	6.32e-06
1044	264	-0.20	-0.08	-0.09	0.0	-9.80e-05	8.85e-06
1044	273	-5.99e-03	0.18	-0.06	0.0	-2.10e-06	0.0
1044	298	-0.01	-0.03	-0.09	0.0	-4.86e-06	1.55e-06
1044	305	-0.05	-0.04	-0.09	0.0	-2.32e-05	2.87e-06
1044	308	-6.60e-03	-0.05	-0.07	0.0	-3.28e-06	0.0
1044	310	-9.51e-03	-0.03	-0.09	0.0	-4.62e-06	1.43e-06
1045	28	-0.23	-0.10	-0.20	0.0	-9.21e-05	1.10e-05
1045	44	-0.37	-0.12	-0.18	0.0	-1.47e-04	1.53e-05
1045	69	-5.43e-03	0.37	-0.08	0.0	0.0	0.0
1045	116	-3.88	0.86	-0.14	0.0	-1.48e-03	1.44e-05
1045	138	0.47	-3.37	-0.11	0.0	1.76e-04	-5.31e-05
1045	148	-4.35	0.96	-0.15	0.0	-1.66e-03	1.55e-05
1045	170	0.52	-3.80	-0.11	0.0	1.97e-04	-5.99e-05
1045	180	-4.31	0.90	-0.15	0.0	-1.64e-03	1.20e-05
1045	202	0.49	-3.86	-0.11	0.0	1.86e-04	-5.85e-05
1045	212	-5.04	1.03	-0.15	0.0	-1.92e-03	1.25e-05
1045	234	0.57	-4.57	-0.12	0.0	2.13e-04	-6.90e-05
1045	256	-0.15	-0.07	-0.14	0.0	-6.16e-05	7.37e-06
1045	264	-0.25	-0.08	-0.12	0.0	-9.82e-05	1.02e-05
1045	273	-6.87e-03	0.24	-0.09	0.0	-1.64e-06	0.0
1045	298	-0.01	-0.03	-0.12	0.0	-4.86e-06	1.92e-06
1045	305	-0.06	-0.04	-0.11	0.0	-2.33e-05	3.43e-06
1045	308	-8.24e-03	-0.05	-0.09	0.0	-3.33e-06	1.10e-06
1045	310	-0.01	-0.03	-0.11	0.0	-4.62e-06	1.79e-06
1046	28	-0.19	-0.10	-0.17	0.0	-9.41e-05	8.20e-06
1046	44	-0.30	-0.11	-0.15	0.0	-1.50e-04	1.13e-05
1046	69	-4.44e-03	0.29	-0.07	0.0	-1.69e-06	0.0
1046	116	-3.11	0.68	-0.12	0.0	-1.49e-03	2.26e-05
1046	119	-2.73	1.79	-0.13	0.0	-1.31e-03	6.00e-05
1046	138	0.39	-2.68	-0.07	0.0	1.84e-04	-5.00e-05
1046	148	-3.50	0.76	-0.13	0.0	-1.67e-03	2.49e-05
1046	151	-3.07	2.01	-0.14	0.0	-1.47e-03	6.71e-05
1046	170	0.43	-3.02	-0.07	0.0	2.06e-04	-5.65e-05
1046	180	-3.46	0.72	-0.13	0.0	-1.65e-03	2.24e-05
1046	183	-3.02	1.99	-0.14	0.0	-1.44e-03	6.52e-05
1046	202	0.41	-3.07	-0.07	0.0	1.95e-04	-5.56e-05
1046	212	-4.04	0.82	-0.13	0.0	-1.93e-03	2.51e-05
1046	215	-3.52	2.34	-0.14	0.0	-1.68e-03	7.62e-05
1046	234	0.47	-3.63	-0.06	0.0	2.24e-04	-6.56e-05
1046	256	-0.13	-0.07	-0.12	0.0	-6.30e-05	5.51e-06
1046	264	-0.20	-0.08	-0.11	0.0	-1.00e-04	7.58e-06
1046	273	-5.76e-03	0.18	-0.08	0.0	-2.50e-06	0.0
1046	298	-0.01	-0.04	-0.10	0.0	-5.31e-06	1.53e-06
1046	305	-0.05	-0.04	-0.10	0.0	-2.40e-05	2.61e-06
1046	308	-7.09e-03	-0.05	-0.07	0.0	-3.55e-06	0.0
1046	310	-0.01	-0.03	-0.10	0.0	-5.05e-06	1.42e-06
1047	28	-0.24	-0.10	-0.23	0.0	-9.39e-05	1.01e-05
1047	44	-0.38	-0.13	-0.20	0.0	-1.49e-04	1.38e-05
1047	69	-5.18e-03	0.37	-0.09	0.0	-1.49e-06	0.0
1047	116	-3.85	0.86	-0.16	0.0	-1.46e-03	2.72e-05
1047	119	-3.38	2.25	-0.17	0.0	-1.28e-03	7.39e-05
1047	138	0.48	-3.37	-0.10	0.0	1.80e-04	-6.23e-05

1047	148	-4.32	0.96	-0.17	0.0	-1.64e-03	3.00e-05
1047	151	-3.79	2.54	-0.18	0.0	-1.43e-03	8.27e-05
1047	170	0.53	-3.80	-0.10	0.0	2.01e-04	-7.03e-05
1047	180	-4.27	0.90	-0.17	0.0	-1.62e-03	2.71e-05
1047	183	-3.73	2.52	-0.18	0.0	-1.41e-03	8.07e-05
1047	202	0.51	-3.87	-0.10	0.0	1.91e-04	-6.94e-05
1047	212	-4.99	1.03	-0.17	0.0	-1.89e-03	3.03e-05
1047	215	-4.35	2.96	-0.18	0.0	-1.65e-03	9.43e-05
1047	234	0.58	-4.57	-0.09	0.0	2.19e-04	-8.20e-05
1047	256	-0.16	-0.07	-0.16	0.0	-6.28e-05	6.78e-06
1047	264	-0.25	-0.09	-0.14	0.0	-9.98e-05	9.29e-06
1047	273	-6.95e-03	0.24	-0.10	0.0	-2.37e-06	0.0
1047	298	-0.01	-0.03	-0.14	0.0	-5.29e-06	1.95e-06
1047	305	-0.06	-0.04	-0.13	0.0	-2.39e-05	3.27e-06
1047	308	-8.87e-03	-0.05	-0.10	0.0	-3.57e-06	1.16e-06
1047	310	-0.01	-0.03	-0.13	0.0	-5.03e-06	1.83e-06
1048	44	-0.31	-0.12	-0.19	0.0	-1.52e-04	1.04e-05
1048	52	-0.02	0.12	-0.21	0.0	-9.13e-06	2.06e-06
1048	69	-4.13e-03	0.29	-0.09	0.0	-2.20e-06	0.0
1048	116	-3.08	0.68	-0.16	0.0	-1.47e-03	-8.29e-05
1048	119	-2.72	1.78	-0.18	0.0	-1.30e-03	-4.36e-05
1048	138	0.39	-2.68	-0.07	0.0	1.88e-04	-2.12e-05
1048	148	-3.46	0.76	-0.17	0.0	-1.65e-03	-9.34e-05
1048	151	-3.05	2.01	-0.19	0.0	-1.46e-03	-4.89e-05
1048	170	0.44	-3.02	-0.06	0.0	2.11e-04	-2.42e-05
1048	180	-3.42	0.72	-0.16	0.0	-1.63e-03	-9.25e-05
1048	183	-3.00	1.99	-0.18	0.0	-1.43e-03	-4.74e-05
1048	202	0.42	-3.07	-0.06	0.0	2.00e-04	-2.44e-05
1048	212	-4.00	0.82	-0.17	0.0	-1.91e-03	-1.10e-04
1048	215	-3.49	2.34	-0.20	0.0	-1.67e-03	-5.57e-05
1048	234	0.48	-3.63	-0.05	0.0	2.30e-04	-2.92e-05
1048	264	-0.21	-0.08	-0.13	0.0	-1.02e-04	7.01e-06
1048	268	-0.01	0.08	-0.15	0.0	-6.34e-06	1.43e-06
1048	273	-5.74e-03	0.18	-0.10	0.0	-2.95e-06	0.0
1048	298	-0.01	-0.04	-0.12	0.0	-5.77e-06	1.52e-06
1048	305	-0.05	-0.04	-0.12	0.0	-2.47e-05	2.50e-06
1048	308	-7.59e-03	-0.05	-0.09	0.0	-3.81e-06	0.0
1048	310	-0.01	-0.04	-0.12	0.0	-5.48e-06	1.42e-06
1049	44	-0.38	-0.13	-0.25	0.0	-1.52e-04	1.29e-05
1049	52	-0.02	0.17	-0.28	0.0	-9.12e-06	3.07e-06
1049	69	-5.25e-03	0.37	-0.12	0.0	-2.32e-06	0.0
1049	116	-3.80	0.85	-0.21	0.0	-1.44e-03	-1.01e-04
1049	119	-3.36	2.25	-0.24	0.0	-1.27e-03	-5.24e-05
1049	138	0.49	-3.37	-0.09	0.0	1.83e-04	-2.66e-05
1049	148	-4.27	0.96	-0.22	0.0	-1.61e-03	-1.14e-04
1049	151	-3.77	2.54	-0.24	0.0	-1.42e-03	-5.90e-05
1049	170	0.54	-3.81	-0.08	0.0	2.05e-04	-3.03e-05
1049	180	-4.22	0.90	-0.22	0.0	-1.60e-03	-1.13e-04
1049	183	-3.70	2.51	-0.24	0.0	-1.40e-03	-5.72e-05
1049	202	0.52	-3.87	-0.08	0.0	1.95e-04	-3.07e-05
1049	212	-4.94	1.03	-0.22	0.0	-1.87e-03	-1.34e-04
1049	215	-4.32	2.95	-0.26	0.0	-1.63e-03	-6.72e-05
1049	234	0.60	-4.58	-0.06	0.0	2.25e-04	-3.67e-05
1049	264	-0.26	-0.09	-0.17	0.0	-1.01e-04	8.70e-06
1049	268	-0.02	0.11	-0.20	0.0	-6.35e-06	2.13e-06
1049	273	-7.23e-03	0.23	-0.13	0.0	-3.03e-06	0.0
1049	298	-0.01	-0.04	-0.17	0.0	-5.76e-06	1.96e-06
1049	305	-0.06	-0.05	-0.16	0.0	-2.46e-05	3.16e-06
1049	308	-9.50e-03	-0.06	-0.12	0.0	-3.83e-06	1.16e-06
1049	310	-0.01	-0.04	-0.16	0.0	-5.47e-06	1.84e-06
1050	44	-0.31	-0.12	-0.24	0.0	-1.55e-04	1.03e-05
1050	52	-0.02	0.12	-0.30	0.0	-9.92e-06	2.10e-06
1050	69	-3.94e-03	0.29	-0.15	0.0	-2.59e-06	0.0
1050	116	-3.04	0.68	-0.28	0.0	-1.45e-03	-8.55e-05
1050	138	0.40	-2.68	0.15	0.0	1.91e-04	-2.11e-05
1050	139	-0.42	2.61	-0.47	0.0	-2.03e-04	2.39e-05
1050	148	-3.42	0.76	-0.29	0.0	-1.63e-03	-9.63e-05
1050	170	0.45	-3.02	0.19	0.0	2.14e-04	-2.40e-05
1050	171	-0.47	2.95	-0.50	0.0	-2.26e-04	2.69e-05
1050	180	-3.38	0.71	-0.28	0.0	-1.61e-03	-9.55e-05
1050	202	0.43	-3.07	0.20	0.0	2.04e-04	-2.43e-05
1050	203	-0.45	3.00	-0.51	0.0	-2.15e-04	2.71e-05
1050	212	-3.95	0.82	-0.30	0.0	-1.89e-03	-1.13e-04
1050	234	0.49	-3.64	0.26	0.0	2.35e-04	-2.91e-05
1050	235	-0.52	3.56	-0.57	0.0	-2.46e-04	3.19e-05

1050	264	-0.21	-0.08	-0.17	0.0	-1.03e-04	6.92e-06
1050	268	-0.01	0.08	-0.21	0.0	-6.89e-06	1.46e-06
1050	273	-5.80e-03	0.18	-0.15	0.0	-3.30e-06	0.0
1050	298	-0.01	-0.04	-0.16	0.0	-6.16e-06	1.52e-06
1050	305	-0.05	-0.05	-0.16	0.0	-2.52e-05	2.48e-06
1050	308	-8.09e-03	-0.05	-0.12	0.0	-4.03e-06	0.0
1050	310	-0.01	-0.04	-0.16	0.0	-5.85e-06	1.42e-06
1051	44	-0.39	-0.14	-0.33	0.0	-1.54e-04	1.27e-05
1051	52	-0.02	0.17	-0.40	0.0	-1.00e-05	3.11e-06
1051	69	-5.40e-03	0.37	-0.19	0.0	-2.87e-06	0.0
1051	116	-3.76	0.85	-0.35	0.0	-1.42e-03	-1.04e-04
1051	138	0.50	-3.38	0.10	0.0	1.86e-04	-2.63e-05
1051	139	-0.52	3.30	-0.53	0.0	-1.97e-04	3.00e-05
1051	148	-4.22	0.95	-0.36	0.0	-1.59e-03	-1.17e-04
1051	170	0.55	-3.81	0.14	0.0	2.08e-04	-3.01e-05
1051	171	-0.58	3.73	-0.57	0.0	-2.20e-04	3.37e-05
1051	180	-4.17	0.90	-0.36	0.0	-1.57e-03	-1.17e-04
1051	202	0.53	-3.87	0.14	0.0	1.98e-04	-3.04e-05
1051	203	-0.56	3.80	-0.58	0.0	-2.10e-04	3.41e-05
1051	212	-4.87	1.03	-0.38	0.0	-1.84e-03	-1.38e-04
1051	234	0.61	-4.58	0.21	0.0	2.28e-04	-3.64e-05
1051	235	-0.64	4.51	-0.64	0.0	-2.40e-04	4.01e-05
1051	264	-0.26	-0.09	-0.23	0.0	-1.03e-04	8.58e-06
1051	268	-0.02	0.11	-0.28	0.0	-6.98e-06	2.15e-06
1051	273	-7.57e-03	0.23	-0.19	0.0	-3.49e-06	0.0
1051	298	-0.02	-0.04	-0.23	0.0	-6.16e-06	1.96e-06
1051	305	-0.06	-0.05	-0.22	0.0	-2.51e-05	3.14e-06
1051	308	-0.01	-0.06	-0.16	0.0	-4.05e-06	1.16e-06
1051	310	-0.01	-0.04	-0.22	0.0	-5.86e-06	1.84e-06
1052	28	-0.26	-0.08	-0.20	0.0	-8.98e-05	0.0
1052	44	-0.42	-0.11	-0.19	0.0	-1.44e-04	-1.22e-06
1052	69	-9.67e-03	0.46	-0.05	0.0	8.18e-06	1.57e-05
1052	116	-4.73	1.03	-0.25	0.0	-1.58e-03	-2.94e-04
1052	138	0.51	-3.97	-0.26	0.0	1.61e-04	-1.18e-05
1052	144	-1.87	-3.56	-0.32	0.0	-6.39e-04	-1.13e-04
1052	148	-5.32	1.15	-0.27	0.0	-1.78e-03	-3.31e-04
1052	170	0.57	-4.49	-0.28	0.0	1.79e-04	-1.37e-05
1052	176	-2.11	-4.02	-0.35	0.0	-7.20e-04	-1.28e-04
1052	180	-5.27	1.08	-0.27	0.0	-1.76e-03	-3.30e-04
1052	202	0.54	-4.56	-0.28	0.0	1.66e-04	-1.53e-05
1052	208	-2.10	-4.11	-0.36	0.0	-7.18e-04	-1.28e-04
1052	212	-6.16	1.24	-0.30	0.0	-2.07e-03	-3.88e-04
1052	234	0.61	-5.40	-0.32	0.0	1.89e-04	-1.92e-05
1052	240	-2.46	-4.88	-0.40	0.0	-8.42e-04	-1.50e-04
1052	256	-0.17	-0.05	-0.14	0.0	-5.98e-05	0.0
1052	264	-0.28	-0.08	-0.13	0.0	-9.61e-05	-1.06e-06
1052	273	-9.82e-03	0.30	-0.07	0.0	4.63e-06	1.03e-05
1052	298	-0.01	-0.01	-0.12	0.0	-3.39e-06	0.0
1052	305	-0.06	-0.03	-0.12	0.0	-2.17e-05	0.0
1052	306	-8.97e-03	0.05	-0.09	0.0	0.0	1.41e-06
1052	310	-0.01	-0.01	-0.11	0.0	-3.14e-06	0.0
1053	28	-0.29	-0.07	-0.28	-1.19e-04	-1.13e-04	1.13e-05
1053	44	-0.47	-0.11	-0.27	-9.51e-05	-1.42e-04	1.61e-05
1053	71	-7.69e-03	0.54	-0.14	-1.15e-04	-3.12e-05	3.93e-06
1053	116	-5.37	1.19	-0.32	8.12e-05	-1.32e-03	-1.30e-04
1053	138	0.58	-4.59	-0.33	1.31e-04	9.06e-05	-3.94e-05
1053	144	-2.13	-4.11	-0.40	2.06e-04	-5.56e-04	-4.81e-05
1053	148	-6.04	1.33	-0.34	1.01e-04	-1.48e-03	-1.47e-04
1053	170	0.64	-5.19	-0.35	1.58e-04	1.04e-04	-4.48e-05
1053	176	-2.40	-4.65	-0.43	2.43e-04	-6.23e-04	-5.46e-05
1053	180	-5.98	1.25	-0.34	1.04e-04	-1.47e-03	-1.46e-04
1053	202	0.60	-5.27	-0.35	1.65e-04	9.31e-05	-4.53e-05
1053	208	-2.39	-4.75	-0.44	2.49e-04	-6.23e-04	-5.48e-05
1053	212	-7.00	1.43	-0.37	1.38e-04	-1.71e-03	-1.73e-04
1053	234	0.69	-6.25	-0.39	2.10e-04	1.09e-04	-5.39e-05
1053	240	-2.80	-5.65	-0.49	3.09e-04	-7.25e-04	-6.52e-05
1053	256	-0.20	-0.05	-0.20	-8.26e-05	-7.67e-05	7.52e-06
1053	264	-0.32	-0.08	-0.19	-6.64e-05	-9.62e-05	1.07e-05
1053	275	-8.60e-03	0.36	-0.14	-9.72e-05	-2.94e-05	2.92e-06
1053	298	-0.01	-5.70e-03	-0.16	-7.61e-05	-3.37e-05	1.57e-06
1053	305	-0.07	-0.02	-0.16	-6.98e-05	-4.42e-05	3.25e-06
1053	307	-0.01	0.07	-0.15	-7.68e-05	-3.11e-05	1.71e-06
1053	309	-8.66e-03	-8.61e-03	-0.13	-5.10e-05	-2.20e-05	0.0
1053	310	-0.01	-6.11e-03	-0.16	-7.25e-05	-3.20e-05	1.44e-06
1054	28	-0.26	-0.08	-0.22	0.0	-9.16e-05	7.86e-06

1054	44	-0.42	-0.12	-0.20	0.0	-1.47e-04	1.04e-05
1054	69	-7.03e-03	0.45	-0.07	0.0	3.76e-06	-1.22e-06
1054	116	-4.60	1.03	-0.20	0.0	-1.57e-03	-1.65e-04
1054	138	0.52	-3.98	-0.20	0.0	1.68e-04	-2.45e-05
1054	144	-1.83	-3.56	-0.23	0.0	-6.31e-04	-5.68e-05
1054	148	-5.17	1.15	-0.21	0.0	-1.76e-03	-1.86e-04
1054	170	0.58	-4.49	-0.21	0.0	1.87e-04	-2.80e-05
1054	176	-2.06	-4.02	-0.25	0.0	-7.11e-04	-6.43e-05
1054	180	-5.12	1.08	-0.21	0.0	-1.74e-03	-1.85e-04
1054	202	0.54	-4.56	-0.21	0.0	1.75e-04	-2.84e-05
1054	208	-2.05	-4.11	-0.25	0.0	-7.09e-04	-6.46e-05
1054	212	-5.99	1.23	-0.22	0.0	-2.04e-03	-2.19e-04
1054	234	0.62	-5.40	-0.22	0.0	2.00e-04	-3.41e-05
1054	240	-2.40	-4.88	-0.27	0.0	-8.31e-04	-7.66e-05
1054	256	-0.17	-0.06	-0.15	0.0	-6.11e-05	5.14e-06
1054	264	-0.28	-0.08	-0.14	0.0	-9.80e-05	6.80e-06
1054	273	-8.03e-03	0.30	-0.09	0.0	1.44e-06	0.0
1054	298	-0.01	-0.02	-0.13	0.0	-4.13e-06	1.35e-06
1054	305	-0.07	-0.03	-0.13	0.0	-2.26e-05	2.26e-06
1054	308	-8.52e-03	-0.05	-0.10	0.0	-2.88e-06	0.0
1054	310	-0.01	-0.02	-0.12	0.0	-3.89e-06	1.19e-06
1055	28	-0.30	-0.07	-0.32	-1.08e-04	-1.20e-04	1.25e-05
1055	44	-0.48	-0.11	-0.29	-8.78e-05	-1.51e-04	1.72e-05
1055	71	-9.85e-03	0.54	-0.18	-1.01e-04	-3.42e-05	3.93e-06
1055	116	-5.31	1.19	-0.26	4.11e-05	-1.45e-03	-1.32e-04
1055	138	0.59	-4.59	-0.26	8.84e-05	1.07e-04	-3.81e-05
1055	144	-2.11	-4.11	-0.30	1.39e-04	-6.04e-04	-4.84e-05
1055	148	-5.97	1.33	-0.27	5.48e-05	-1.62e-03	-1.49e-04
1055	170	0.66	-5.19	-0.27	1.09e-04	1.23e-04	-4.34e-05
1055	176	-2.38	-4.65	-0.32	1.66e-04	-6.77e-04	-5.50e-05
1055	180	-5.91	1.26	-0.27	5.72e-05	-1.61e-03	-1.48e-04
1055	202	0.62	-5.27	-0.28	1.14e-04	1.11e-04	-4.39e-05
1055	208	-2.37	-4.75	-0.32	1.71e-04	-6.77e-04	-5.52e-05
1055	212	-6.91	1.43	-0.29	8.07e-05	-1.87e-03	-1.76e-04
1055	234	0.71	-6.25	-0.30	1.48e-04	1.30e-04	-5.25e-05
1055	240	-2.78	-5.65	-0.35	2.15e-04	-7.88e-04	-6.59e-05
1055	256	-0.20	-0.05	-0.22	-7.51e-05	-8.19e-05	8.43e-06
1055	264	-0.32	-0.08	-0.21	-6.13e-05	-1.02e-04	1.15e-05
1055	275	-0.01	0.36	-0.17	-8.56e-05	-3.20e-05	3.20e-06
1055	298	-0.01	-5.54e-03	-0.19	-6.79e-05	-3.61e-05	2.50e-06
1055	305	-0.08	-0.02	-0.18	-6.26e-05	-4.73e-05	4.13e-06
1055	307	-0.01	0.07	-0.18	-6.82e-05	-3.35e-05	2.49e-06
1055	309	-9.47e-03	-8.48e-03	-0.14	-4.55e-05	-2.34e-05	1.46e-06
1055	310	-0.01	-5.96e-03	-0.18	-6.47e-05	-3.43e-05	2.35e-06
1056	28	-0.27	-0.09	-0.24	0.0	-9.18e-05	1.14e-05
1056	44	-0.43	-0.12	-0.22	0.0	-1.47e-04	1.58e-05
1056	69	-5.66e-03	0.45	-0.09	0.0	1.59e-06	-1.21e-06
1056	116	-4.57	1.03	-0.18	0.0	-1.51e-03	2.24e-05
1056	138	0.53	-3.98	-0.17	0.0	1.71e-04	-6.77e-05
1056	144	-1.82	-3.56	-0.19	0.0	-6.09e-04	-2.90e-05
1056	148	-5.13	1.15	-0.19	0.0	-1.70e-03	2.44e-05
1056	170	0.59	-4.49	-0.17	0.0	1.91e-04	-7.63e-05
1056	176	-2.04	-4.03	-0.20	0.0	-6.86e-04	-3.30e-05
1056	180	-5.07	1.08	-0.19	0.0	-1.68e-03	2.08e-05
1056	202	0.56	-4.57	-0.17	0.0	1.80e-04	-7.51e-05
1056	208	-2.04	-4.12	-0.20	0.0	-6.84e-04	-3.29e-05
1056	212	-5.94	1.23	-0.20	0.0	-1.97e-03	2.27e-05
1056	234	0.64	-5.41	-0.18	0.0	2.05e-04	-8.86e-05
1056	240	-2.38	-4.88	-0.21	0.0	-8.01e-04	-3.95e-05
1056	256	-0.18	-0.06	-0.17	0.0	-6.14e-05	7.64e-06
1056	264	-0.28	-0.08	-0.15	0.0	-9.81e-05	1.05e-05
1056	273	-7.33e-03	0.29	-0.10	0.0	0.0	0.0
1056	298	-0.01	-0.02	-0.14	0.0	-4.53e-06	2.01e-06
1056	305	-0.07	-0.03	-0.14	0.0	-2.30e-05	3.54e-06
1056	308	-9.06e-03	-0.05	-0.11	0.0	-3.20e-06	1.08e-06
1056	310	-0.01	-0.02	-0.14	0.0	-4.30e-06	1.86e-06
1057	28	-0.31	-0.07	-0.35	-1.15e-04	-1.28e-04	1.23e-05
1057	44	-0.49	-0.11	-0.32	-9.68e-05	-1.59e-04	1.68e-05
1057	71	-0.01	0.54	-0.21	-9.84e-05	-3.76e-05	3.77e-06
1057	116	-5.25	1.20	-0.25	-3.34e-06	-1.54e-03	-1.34e-04
1057	138	0.61	-4.59	-0.24	4.98e-05	1.23e-04	-3.78e-05
1057	144	-2.09	-4.11	-0.26	7.84e-05	-6.39e-04	-4.94e-05
1057	148	-5.90	1.33	-0.26	5.01e-06	-1.72e-03	-1.51e-04
1057	170	0.68	-5.18	-0.24	6.52e-05	1.41e-04	-4.31e-05
1057	176	-2.36	-4.65	-0.27	9.74e-05	-7.16e-04	-5.61e-05

1057	180	-5.84	1.26	-0.26	6.77e-06	-1.71e-03	-1.51e-04
1057	202	0.64	-5.27	-0.24	6.89e-05	1.29e-04	-4.37e-05
1057	208	-2.35	-4.75	-0.27	1.01e-04	-7.15e-04	-5.63e-05
1057	212	-6.83	1.43	-0.27	2.14e-05	-1.99e-03	-1.79e-04
1057	234	0.73	-6.24	-0.25	9.47e-05	1.51e-04	-5.22e-05
1057	240	-2.75	-5.65	-0.28	1.32e-04	-8.32e-04	-6.72e-05
1057	256	-0.21	-0.05	-0.24	-8.01e-05	-8.69e-05	8.31e-06
1057	264	-0.33	-0.08	-0.22	-6.76e-05	-1.08e-04	1.13e-05
1057	275	-0.01	0.36	-0.20	-8.49e-05	-3.48e-05	3.08e-06
1057	298	-0.02	-5.49e-03	-0.21	-7.05e-05	-3.88e-05	2.49e-06
1057	305	-0.08	-0.02	-0.20	-6.58e-05	-5.03e-05	4.07e-06
1057	307	-0.01	0.07	-0.20	-7.01e-05	-3.60e-05	2.45e-06
1057	309	-0.01	-8.42e-03	-0.15	-4.78e-05	-2.49e-05	1.43e-06
1057	310	-0.01	-5.91e-03	-0.20	-6.72e-05	-3.68e-05	2.33e-06
1058	28	-0.27	-0.09	-0.26	0.0	-9.24e-05	1.19e-05
1058	44	-0.44	-0.13	-0.24	0.0	-1.48e-04	1.64e-05
1058	69	-5.44e-03	0.45	-0.10	0.0	0.0	0.0
1058	116	-4.54	1.02	-0.19	0.0	-1.47e-03	2.49e-05
1058	138	0.54	-3.98	-0.15	0.0	1.74e-04	-7.00e-05
1058	148	-5.10	1.14	-0.19	0.0	-1.65e-03	2.72e-05
1058	170	0.61	-4.50	-0.15	0.0	1.94e-04	-7.91e-05
1058	180	-5.04	1.08	-0.19	0.0	-1.63e-03	2.38e-05
1058	202	0.58	-4.57	-0.15	0.0	1.83e-04	-7.80e-05
1058	212	-5.89	1.23	-0.20	0.0	-1.91e-03	2.62e-05
1058	234	0.66	-5.41	-0.15	0.0	2.10e-04	-9.21e-05
1058	256	-0.18	-0.06	-0.18	0.0	-6.18e-05	7.99e-06
1058	264	-0.29	-0.09	-0.17	0.0	-9.86e-05	1.10e-05
1058	273	-7.45e-03	0.29	-0.11	0.0	-1.35e-06	0.0
1058	298	-0.01	-0.02	-0.16	0.0	-4.88e-06	2.24e-06
1058	305	-0.07	-0.03	-0.15	0.0	-2.34e-05	3.81e-06
1058	308	-9.75e-03	-0.05	-0.12	0.0	-3.39e-06	1.28e-06
1058	310	-0.01	-0.02	-0.15	0.0	-4.64e-06	2.09e-06
1059	28	-0.31	-0.07	-0.39	-1.41e-04	-1.33e-04	1.23e-05
1059	44	-0.50	-0.11	-0.35	-1.22e-04	-1.65e-04	1.67e-05
1059	71	-0.01	0.54	-0.25	-1.10e-04	-4.04e-05	3.75e-06
1059	116	-5.19	1.19	-0.26	-3.16e-05	-1.57e-03	-1.36e-04
1059	138	0.62	-4.59	-0.23	1.51e-05	1.34e-04	-3.75e-05
1059	148	-5.83	1.33	-0.27	-2.53e-05	-1.76e-03	-1.53e-04
1059	170	0.69	-5.18	-0.23	2.77e-05	1.53e-04	-4.27e-05
1059	180	-5.77	1.26	-0.27	-2.49e-05	-1.74e-03	-1.53e-04
1059	202	0.66	-5.27	-0.23	3.08e-05	1.41e-04	-4.33e-05
1059	212	-6.75	1.43	-0.28	-1.44e-05	-2.03e-03	-1.81e-04
1059	234	0.75	-6.24	-0.23	5.20e-05	1.66e-04	-5.18e-05
1059	256	-0.21	-0.05	-0.27	-9.81e-05	-9.03e-05	8.30e-06
1059	264	-0.34	-0.08	-0.25	-8.54e-05	-1.12e-04	1.12e-05
1059	275	-0.01	0.36	-0.23	-9.67e-05	-3.72e-05	3.07e-06
1059	298	-0.02	-5.50e-03	-0.23	-8.44e-05	-4.08e-05	2.54e-06
1059	305	-0.08	-0.02	-0.23	-7.99e-05	-5.25e-05	4.09e-06
1059	307	-0.02	0.07	-0.22	-8.31e-05	-3.80e-05	2.49e-06
1059	309	-0.01	-8.40e-03	-0.17	-5.82e-05	-2.60e-05	1.45e-06
1059	310	-0.02	-5.91e-03	-0.23	-8.06e-05	-3.87e-05	2.39e-06
1060	28	-0.28	-0.10	-0.30	0.0	-9.38e-05	1.14e-05
1060	44	-0.44	-0.13	-0.27	0.0	-1.49e-04	1.55e-05
1060	69	-5.79e-03	0.45	-0.12	0.0	-1.39e-06	0.0
1060	116	-4.49	1.02	-0.21	0.0	-1.44e-03	-1.12e-04
1060	119	-3.94	2.68	-0.22	0.0	-1.26e-03	-5.50e-05
1060	138	0.56	-3.99	-0.14	0.0	1.77e-04	-3.25e-05
1060	148	-5.05	1.14	-0.22	0.0	-1.61e-03	-1.26e-04
1060	151	-4.43	3.02	-0.23	0.0	-1.41e-03	-6.19e-05
1060	170	0.62	-4.50	-0.14	0.0	1.98e-04	-3.71e-05
1060	180	-4.99	1.07	-0.22	0.0	-1.60e-03	-1.25e-04
1060	183	-4.35	2.99	-0.23	0.0	-1.39e-03	-6.00e-05
1060	202	0.59	-4.58	-0.14	0.0	1.87e-04	-3.74e-05
1060	212	-5.83	1.22	-0.22	0.0	-1.87e-03	-1.48e-04
1060	215	-5.07	3.51	-0.24	0.0	-1.62e-03	-7.05e-05
1060	234	0.68	-5.42	-0.13	0.0	2.15e-04	-4.47e-05
1060	256	-0.19	-0.07	-0.21	0.0	-6.28e-05	7.69e-06
1060	264	-0.30	-0.09	-0.19	0.0	-9.97e-05	1.04e-05
1060	273	-7.97e-03	0.29	-0.13	0.0	-2.30e-06	1.03e-06
1060	298	-0.02	-0.03	-0.18	0.0	-5.28e-06	2.32e-06
1060	305	-0.07	-0.04	-0.18	0.0	-2.39e-05	3.77e-06
1060	308	-0.01	-0.05	-0.13	0.0	-3.59e-06	1.35e-06
1060	310	-0.02	-0.03	-0.18	0.0	-5.02e-06	2.18e-06
1061	28	-0.32	-0.07	-0.45	-1.87e-04	-1.36e-04	1.24e-05
1061	44	-0.51	-0.11	-0.41	-1.65e-04	-1.68e-04	1.68e-05

1061	71	-0.02	0.54	-0.29	-1.37e-04	-4.24e-05	3.83e-06
1061	116	-5.13	1.19	-0.30	-1.38e-04	-1.57e-03	-1.37e-04
1061	119	-4.50	3.12	-0.31	-1.87e-04	-1.38e-03	-7.04e-05
1061	138	0.63	-4.59	-0.22	8.85e-06	1.42e-04	-3.71e-05
1061	148	-5.76	1.33	-0.31	-1.42e-04	-1.76e-03	-1.55e-04
1061	151	-5.05	3.51	-0.32	-1.97e-04	-1.54e-03	-7.92e-05
1061	170	0.71	-5.18	-0.22	2.37e-05	1.62e-04	-4.24e-05
1061	180	-5.70	1.25	-0.31	-1.40e-04	-1.74e-03	-1.54e-04
1061	183	-4.97	3.48	-0.32	-1.96e-04	-1.52e-03	-7.71e-05
1061	202	0.67	-5.27	-0.22	2.59e-05	1.50e-04	-4.29e-05
1061	212	-6.66	1.43	-0.31	-1.44e-04	-2.03e-03	-1.82e-04
1061	215	-5.79	4.08	-0.33	-2.12e-04	-1.76e-03	-9.06e-05
1061	234	0.77	-6.24	-0.21	5.02e-05	1.77e-04	-5.14e-05
1061	256	-0.22	-0.05	-0.31	-1.30e-04	-9.24e-05	8.39e-06
1061	264	-0.34	-0.08	-0.28	-1.15e-04	-1.14e-04	1.13e-05
1061	275	-0.02	0.36	-0.27	-1.22e-04	-3.88e-05	3.16e-06
1061	298	-0.02	-5.52e-03	-0.27	-1.10e-04	-4.22e-05	2.68e-06
1061	305	-0.08	-0.02	-0.26	-1.05e-04	-5.40e-05	4.20e-06
1061	307	-0.02	0.07	-0.26	-1.08e-04	-3.93e-05	2.61e-06
1061	309	-0.01	-8.38e-03	-0.20	-7.68e-05	-2.68e-05	1.56e-06
1061	310	-0.02	-5.92e-03	-0.26	-1.05e-04	-4.00e-05	2.52e-06
1062	44	-0.45	-0.14	-0.33	0.0	-1.52e-04	1.47e-05
1062	52	-0.03	0.23	-0.38	0.0	-9.15e-06	4.09e-06
1062	69	-6.34e-03	0.45	-0.16	0.0	-2.45e-06	0.0
1062	116	-4.44	1.02	-0.27	0.0	-1.42e-03	-1.22e-04
1062	119	-3.92	2.68	-0.31	0.0	-1.25e-03	-6.42e-05
1062	138	0.57	-4.00	-0.13	0.0	1.81e-04	-3.10e-05
1062	148	-4.99	1.14	-0.28	0.0	-1.59e-03	-1.38e-04
1062	151	-4.39	3.02	-0.32	0.0	-1.40e-03	-7.22e-05
1062	170	0.64	-4.51	-0.11	0.0	2.02e-04	-3.54e-05
1062	180	-4.93	1.07	-0.28	0.0	-1.57e-03	-1.37e-04
1062	183	-4.32	2.99	-0.32	0.0	-1.38e-03	-7.03e-05
1062	202	0.60	-4.58	-0.11	0.0	1.92e-04	-3.58e-05
1062	212	-5.76	1.22	-0.29	0.0	-1.84e-03	-1.62e-04
1062	234	0.69	-5.43	-0.10	0.0	2.21e-04	-4.29e-05
1062	235	-0.73	5.37	-0.33	0.0	-2.32e-04	4.73e-05
1062	264	-0.30	-0.09	-0.23	0.0	-1.01e-04	9.93e-06
1062	268	-0.02	0.15	-0.26	0.0	-6.37e-06	2.83e-06
1062	273	-8.62e-03	0.29	-0.17	0.0	-3.12e-06	1.17e-06
1062	298	-0.02	-0.03	-0.22	0.0	-5.75e-06	2.36e-06
1062	305	-0.07	-0.04	-0.21	0.0	-2.45e-05	3.70e-06
1062	308	-0.01	-0.06	-0.16	0.0	-3.83e-06	1.38e-06
1062	310	-0.02	-0.03	-0.21	0.0	-5.46e-06	2.22e-06
1063	44	-0.52	-0.11	-0.50	-2.21e-04	-1.68e-04	1.60e-05
1063	52	-0.03	0.32	-0.56	-2.57e-04	-7.02e-05	5.12e-06
1063	71	-0.02	0.54	-0.37	-1.74e-04	-4.28e-05	3.52e-06
1063	116	-5.07	1.19	-0.39	-2.05e-04	-1.57e-03	-1.43e-04
1063	138	0.65	-4.59	-0.21	-1.33e-05	1.50e-04	-3.50e-05
1063	139	-0.69	4.58	-0.43	-2.64e-04	-2.30e-04	4.02e-05
1063	148	-5.69	1.33	-0.39	-2.13e-04	-1.76e-03	-1.61e-04
1063	170	0.73	-5.18	-0.19	2.79e-06	1.72e-04	-4.00e-05
1063	171	-0.76	5.17	-0.44	-2.80e-04	-2.52e-04	4.51e-05
1063	180	-5.62	1.25	-0.39	-2.10e-04	-1.74e-03	-1.60e-04
1063	202	0.69	-5.27	-0.19	4.60e-06	1.60e-04	-4.05e-05
1063	203	-0.73	5.26	-0.44	-2.82e-04	-2.40e-04	4.57e-05
1063	212	-6.58	1.43	-0.40	-2.21e-04	-2.03e-03	-1.90e-04
1063	234	0.79	-6.24	-0.17	3.07e-05	1.89e-04	-4.86e-05
1063	235	-0.83	6.23	-0.46	-3.08e-04	-2.69e-04	5.37e-05
1063	264	-0.35	-0.08	-0.35	-1.54e-04	-1.14e-04	1.08e-05
1063	268	-0.02	0.21	-0.39	-1.79e-04	-4.88e-05	3.54e-06
1063	275	-0.02	0.36	-0.34	-1.56e-04	-3.91e-05	2.96e-06
1063	298	-0.02	-5.48e-03	-0.33	-1.45e-04	-4.24e-05	2.74e-06
1063	305	-0.08	-0.02	-0.32	-1.39e-04	-5.42e-05	4.14e-06
1063	307	-0.02	0.07	-0.32	-1.41e-04	-3.95e-05	2.62e-06
1063	309	-0.01	-8.32e-03	-0.24	-1.01e-04	-2.68e-05	1.59e-06
1063	310	-0.02	-5.89e-03	-0.32	-1.39e-04	-4.02e-05	2.57e-06
1064	44	-0.46	-0.14	-0.47	0.0	-1.53e-04	1.45e-05
1064	52	-0.03	0.22	-0.54	0.0	-1.01e-05	4.10e-06
1064	69	-6.87e-03	0.44	-0.24	0.0	-3.04e-06	0.0
1064	116	-4.38	1.01	-0.44	0.0	-1.39e-03	-1.25e-04
1064	138	0.58	-4.00	-3.38e-03	0.0	1.82e-04	-3.04e-05
1064	139	-0.61	3.93	-0.60	0.0	-1.94e-04	3.49e-05
1064	148	-4.92	1.13	-0.45	0.0	-1.56e-03	-1.41e-04
1064	170	0.65	-4.52	0.03	0.0	2.04e-04	-3.47e-05
1064	171	-0.68	4.45	-0.63	0.0	-2.15e-04	3.92e-05

1064	180	-4.86	1.06	-0.45	0.0	-1.54e-03	-1.40e-04
1064	202	0.62	-4.59	0.04	0.0	1.94e-04	-3.52e-05
1064	203	-0.65	4.52	-0.64	0.0	-2.06e-04	3.96e-05
1064	212	-5.69	1.22	-0.47	0.0	-1.81e-03	-1.66e-04
1064	234	0.71	-5.43	0.10	0.0	2.23e-04	-4.21e-05
1064	235	-0.74	5.36	-0.70	0.0	-2.35e-04	4.66e-05
1064	264	-0.31	-0.10	-0.33	0.0	-1.02e-04	9.77e-06
1064	268	-0.02	0.15	-0.38	0.0	-7.04e-06	2.84e-06
1064	273	-9.27e-03	0.28	-0.25	0.0	-3.61e-06	1.17e-06
1064	298	-0.02	-0.04	-0.31	0.0	-6.18e-06	2.37e-06
1064	305	-0.08	-0.05	-0.30	0.0	-2.51e-05	3.67e-06
1064	308	-0.01	-0.06	-0.22	0.0	-4.07e-06	1.39e-06
1064	310	-0.02	-0.03	-0.30	0.0	-5.87e-06	2.23e-06
1065	44	-0.53	-0.11	-0.70	-2.56e-04	-1.67e-04	1.25e-05
1065	52	-0.03	0.32	-0.79	-2.91e-04	-6.84e-05	1.96e-06
1065	71	-0.02	0.54	-0.53	-1.94e-04	-4.17e-05	1.08e-06
1065	116	-4.99	1.20	-0.59	-2.48e-04	-1.59e-03	9.37e-05
1065	138	0.66	-4.60	-0.19	-5.49e-05	1.60e-04	-9.59e-05
1065	139	-0.70	4.58	-0.70	-2.62e-04	-2.38e-04	9.81e-05
1065	148	-5.61	1.33	-0.60	-2.59e-04	-1.78e-03	1.03e-04
1065	170	0.74	-5.19	-0.16	-4.17e-05	1.83e-04	-1.08e-04
1065	171	-0.78	5.18	-0.73	-2.75e-04	-2.61e-04	1.10e-04
1065	180	-5.54	1.26	-0.60	-2.56e-04	-1.76e-03	8.90e-05
1065	202	0.70	-5.28	-0.16	-4.09e-05	1.71e-04	-1.02e-04
1065	203	-0.74	5.26	-0.73	-2.76e-04	-2.49e-04	1.05e-04
1065	212	-6.48	1.43	-0.62	-2.72e-04	-2.05e-03	1.01e-04
1065	234	0.81	-6.25	-0.10	-1.99e-05	2.02e-04	-1.20e-04
1065	235	-0.85	6.24	-0.79	-2.97e-04	-2.80e-04	1.22e-04
1065	264	-0.35	-0.08	-0.49	-1.79e-04	-1.13e-04	8.38e-06
1065	268	-0.02	0.21	-0.55	-2.03e-04	-4.75e-05	1.38e-06
1065	275	-0.02	0.36	-0.48	-1.75e-04	-3.81e-05	0.0
1065	298	-0.02	-5.38e-03	-0.46	-1.65e-04	-4.12e-05	1.13e-06
1065	305	-0.09	-0.02	-0.45	-1.59e-04	-5.32e-05	2.48e-06
1065	307	-0.02	0.07	-0.45	-1.60e-04	-3.84e-05	1.03e-06
1065	309	-0.01	-8.21e-03	-0.33	-1.15e-04	-2.61e-05	0.0
1065	310	-0.02	-5.78e-03	-0.44	-1.58e-04	-3.91e-05	1.06e-06
1066	1	0.0	0.0	0.0	0.0	6.51e-05	1.81e-06
1066	113	0.0	0.0	0.0	0.0	1.19e-03	-8.45e-06
1066	145	0.0	0.0	0.0	0.0	1.33e-03	-9.80e-06
1066	177	0.0	0.0	0.0	0.0	1.31e-03	-9.58e-06
1066	209	0.0	0.0	0.0	0.0	1.53e-03	-1.16e-05
1066	241	0.0	0.0	0.0	0.0	4.46e-05	1.33e-06
1066	297	0.0	0.0	0.0	0.0	1.78e-05	1.76e-06
1066	309	0.0	0.0	0.0	0.0	1.78e-05	1.76e-06
1067	18	0.06	0.04	-0.07	0.0	1.04e-04	1.87e-05
1067	28	-5.96e-03	0.03	-0.09	0.0	-4.23e-05	4.12e-05
1067	68	0.03	0.11	-0.07	0.0	3.61e-05	2.43e-05
1067	113	0.57	-0.18	0.03	0.0	1.22e-03	-8.96e-05
1067	128	-0.48	-0.17	-0.14	0.0	-1.16e-03	1.58e-04
1067	139	-0.21	0.68	-0.04	0.0	-1.59e-04	3.39e-05
1067	153	0.64	0.16	0.06	0.0	1.38e-03	-1.28e-04
1067	160	-0.54	-0.20	-0.15	0.0	-1.31e-03	1.76e-04
1067	171	-0.24	0.76	-0.03	0.0	-1.81e-04	3.59e-05
1067	177	0.63	-0.19	0.04	0.0	1.35e-03	-1.01e-04
1067	192	-0.53	-0.20	-0.15	0.0	-1.28e-03	1.73e-04
1067	203	-0.23	0.77	-0.03	0.0	-1.73e-04	3.53e-05
1067	209	0.73	-0.22	0.06	0.0	1.57e-03	-1.20e-04
1067	224	-0.62	-0.24	-0.17	0.0	-1.50e-03	1.99e-04
1067	235	-0.28	0.91	-0.03	0.0	-2.03e-04	3.81e-05
1067	251	0.04	0.03	-0.05	0.0	7.04e-05	1.33e-05
1067	256	-3.16e-03	0.02	-0.06	0.0	-2.71e-05	2.83e-05
1067	276	0.02	0.07	-0.05	0.0	2.51e-05	1.70e-05
1067	298	0.02	0.02	-0.05	0.0	2.34e-05	1.81e-05
1067	303	0.02	0.02	-0.05	0.0	3.15e-05	1.61e-05
1067	307	0.02	0.03	-0.05	0.0	2.24e-05	1.68e-05
1067	310	0.02	0.02	-0.05	0.0	2.23e-05	1.72e-05
1068	28	-0.03	0.03	-0.04	0.0	-6.56e-05	3.27e-05
1068	45	-0.07	2.25e-03	-0.02	0.0	-1.38e-04	2.07e-05
1068	68	0.01	0.11	-0.03	0.0	2.01e-05	2.09e-05
1068	119	-0.55	0.49	-0.04	0.0	-1.13e-03	1.01e-04
1068	121	0.64	0.15	-8.05e-03	0.0	1.29e-03	-9.21e-05
1068	139	-0.09	0.68	-0.04	0.0	-1.84e-04	2.87e-05
1068	151	-0.62	0.55	-0.05	0.0	-1.27e-03	1.12e-04
1068	153	0.71	0.16	-6.45e-03	0.0	1.45e-03	-1.05e-04
1068	171	-0.10	0.76	-0.04	0.0	-2.07e-04	3.04e-05

1068	183	-0.61	0.54	-0.05	0.0	-1.25e-03	1.10e-04
1068	185	0.70	0.16	-6.71e-03	0.0	1.43e-03	-1.03e-04
1068	203	-0.10	0.77	-0.04	0.0	-1.99e-04	3.02e-05
1068	215	-0.71	0.63	-0.05	0.0	-1.46e-03	1.26e-04
1068	217	0.82	0.19	-4.44e-03	0.0	1.67e-03	-1.22e-04
1068	235	-0.11	0.91	-0.04	0.0	-2.32e-04	3.29e-05
1068	256	-0.02	0.02	-0.03	0.0	-4.32e-05	2.25e-05
1068	261	-0.04	7.19e-03	-0.02	0.0	-8.85e-05	1.76e-05
1068	276	9.54e-03	0.07	-0.02	0.0	1.40e-05	1.46e-05
1068	298	8.94e-03	0.02	-0.02	0.0	1.26e-05	1.48e-05
1068	303	0.01	0.02	-0.02	0.0	2.17e-05	1.32e-05
1068	307	8.55e-03	0.03	-0.02	0.0	1.22e-05	1.39e-05
1068	310	8.51e-03	0.02	-0.02	0.0	1.20e-05	1.40e-05
1069	1	0.0	0.0	0.0	0.0	5.69e-05	1.95e-06
1069	113	0.0	0.0	0.0	0.0	1.26e-03	-6.57e-06
1069	145	0.0	0.0	0.0	0.0	1.41e-03	-7.71e-06
1069	177	0.0	0.0	0.0	0.0	1.39e-03	-7.51e-06
1069	209	0.0	0.0	0.0	0.0	1.62e-03	-9.22e-06
1069	241	0.0	0.0	0.0	0.0	3.86e-05	1.43e-06
1069	297	0.0	0.0	0.0	0.0	9.81e-06	1.89e-06
1069	309	0.0	0.0	0.0	0.0	9.81e-06	1.89e-06
1070	28	-0.03	0.05	-0.16	0.0	-6.07e-05	6.18e-05
1070	45	-0.11	-2.86e-03	-0.08	0.0	-1.36e-04	3.88e-05
1070	68	0.05	0.21	-0.12	0.0	2.55e-05	4.03e-05
1070	121	1.19	0.30	0.08	0.0	1.30e-03	-1.66e-04
1070	128	-1.11	-0.37	-0.25	0.0	-1.24e-03	2.38e-04
1070	139	-0.15	1.36	-0.08	0.0	-1.75e-04	5.32e-05
1070	153	1.34	0.33	0.10	0.0	1.45e-03	-1.90e-04
1070	160	-1.26	-0.42	-0.27	0.0	-1.40e-03	2.64e-04
1070	171	-0.17	1.53	-0.07	0.0	-1.97e-04	5.65e-05
1070	185	1.32	0.34	0.10	0.0	1.43e-03	-1.86e-04
1070	192	-1.24	-0.43	-0.27	0.0	-1.38e-03	2.60e-04
1070	203	-0.16	1.55	-0.07	0.0	-1.88e-04	5.64e-05
1070	217	1.53	0.39	0.13	0.0	1.67e-03	-2.21e-04
1070	224	-1.44	-0.51	-0.30	0.0	-1.60e-03	2.98e-04
1070	235	-0.19	1.84	-0.07	0.0	-2.19e-04	6.16e-05
1070	251	0.08	0.05	-0.08	0.0	6.45e-05	2.17e-05
1070	256	-0.02	0.03	-0.11	0.0	-3.98e-05	4.25e-05
1070	276	0.03	0.14	-0.08	0.0	1.77e-05	2.81e-05
1070	298	0.03	0.04	-0.09	0.0	1.54e-05	2.80e-05
1070	303	0.04	0.04	-0.08	0.0	2.43e-05	2.51e-05
1070	307	0.03	0.05	-0.08	0.0	1.50e-05	2.64e-05
1070	310	0.03	0.03	-0.08	0.0	1.46e-05	2.66e-05
1071	28	-0.06	0.05	-0.07	0.0	-7.79e-05	5.52e-05
1071	45	-0.13	-3.25e-03	-0.03	0.0	-1.45e-04	3.35e-05
1071	68	0.02	0.21	-0.06	0.0	1.20e-05	3.75e-05
1071	119	-1.12	0.97	-0.08	0.0	-1.17e-03	1.73e-04
1071	121	1.29	0.30	-0.01	0.0	1.32e-03	-1.43e-04
1071	139	-0.18	1.36	-0.07	0.0	-1.94e-04	8.85e-05
1071	151	-1.25	1.08	-0.09	0.0	-1.31e-03	1.91e-04
1071	153	1.45	0.33	-8.15e-03	0.0	1.49e-03	-1.64e-04
1071	171	-0.20	1.53	-0.07	0.0	-2.17e-04	9.64e-05
1071	183	-1.23	1.07	-0.09	0.0	-1.29e-03	1.87e-04
1071	185	1.42	0.34	-8.68e-03	0.0	1.47e-03	-1.61e-04
1071	203	-0.19	1.55	-0.07	0.0	-2.09e-04	9.44e-05
1071	215	-1.44	1.25	-0.10	0.0	-1.50e-03	2.14e-04
1071	217	1.65	0.39	-3.62e-03	0.0	1.70e-03	-1.91e-04
1071	235	-0.23	1.83	-0.08	0.0	-2.43e-04	1.06e-04
1071	256	-0.04	0.03	-0.05	0.0	-5.16e-05	3.79e-05
1071	261	-0.09	7.13e-03	-0.03	0.0	-9.48e-05	2.89e-05
1071	276	0.02	0.14	-0.04	0.0	8.29e-06	2.61e-05
1071	298	0.02	0.04	-0.04	0.0	6.88e-06	2.55e-05
1071	303	0.02	0.04	-0.04	0.0	1.65e-05	2.30e-05
1071	307	0.01	0.05	-0.04	0.0	6.79e-06	2.41e-05
1071	310	0.01	0.03	-0.04	0.0	6.57e-06	2.42e-05
1072	28	-0.06	0.05	-0.23	0.0	-8.44e-05	7.99e-05
1072	45	-0.18	-0.01	-0.11	0.0	-1.50e-04	4.63e-05
1072	68	0.06	0.30	-0.17	0.0	9.64e-06	5.73e-05
1072	121	1.86	0.46	0.10	0.0	1.36e-03	-1.68e-04
1072	124	-1.79	-0.37	-0.34	0.0	-1.35e-03	2.40e-04
1072	139	-0.24	2.05	-0.13	0.0	-1.96e-04	1.22e-04
1072	153	2.09	0.51	0.13	0.0	1.53e-03	-1.93e-04
1072	156	-2.02	-0.43	-0.37	0.0	-1.52e-03	2.65e-04
1072	171	-0.27	2.31	-0.13	0.0	-2.20e-04	1.33e-04
1072	185	2.06	0.52	0.13	0.0	1.51e-03	-1.89e-04

1072	188	-1.99	-0.43	-0.36	0.0	-1.50e-03	2.61e-04
1072	203	-0.26	2.34	-0.13	0.0	-2.11e-04	1.31e-04
1072	217	2.39	0.61	0.17	0.0	1.76e-03	-2.25e-04
1072	220	-2.32	-0.52	-0.40	0.0	-1.75e-03	2.97e-04
1072	235	-0.30	2.77	-0.13	0.0	-2.43e-04	1.46e-04
1072	256	-0.04	0.04	-0.16	0.0	-5.61e-05	5.50e-05
1072	261	-0.11	3.36e-03	-0.10	0.0	-9.88e-05	4.06e-05
1072	276	0.04	0.20	-0.12	0.0	6.61e-06	3.99e-05
1072	298	0.04	0.05	-0.12	0.0	4.27e-06	3.79e-05
1072	303	0.05	0.05	-0.12	0.0	1.43e-05	3.44e-05
1072	307	0.04	0.07	-0.12	0.0	4.52e-06	3.61e-05
1072	310	0.04	0.04	-0.12	0.0	4.09e-06	3.60e-05
1073	28	-0.10	0.05	-0.11	0.0	-9.60e-05	7.20e-05
1073	45	-0.21	-0.01	-0.05	0.0	-1.55e-04	4.15e-05
1073	68	0.03	0.30	-0.09	0.0	0.0	5.21e-05
1073	119	-1.71	1.44	-0.12	0.0	-1.21e-03	1.93e-04
1073	121	1.96	0.46	-0.01	0.0	1.36e-03	-1.50e-04
1073	139	-0.28	2.04	-0.10	0.0	-2.09e-04	1.12e-04
1073	151	-1.92	1.61	-0.13	0.0	-1.36e-03	2.12e-04
1073	153	2.20	0.51	-9.35e-03	0.0	1.53e-03	-1.72e-04
1073	171	-0.31	2.30	-0.10	0.0	-2.34e-04	1.21e-04
1073	183	-1.89	1.60	-0.13	0.0	-1.34e-03	2.08e-04
1073	185	2.17	0.52	-0.01	0.0	1.50e-03	-1.68e-04
1073	203	-0.30	2.34	-0.10	0.0	-2.25e-04	1.19e-04
1073	215	-2.20	1.87	-0.14	0.0	-1.56e-03	2.37e-04
1073	217	2.52	0.61	-2.16e-03	0.0	1.75e-03	-2.00e-04
1073	235	-0.35	2.77	-0.11	0.0	-2.60e-04	1.34e-04
1073	256	-0.07	0.04	-0.08	0.0	-6.41e-05	4.96e-05
1073	261	-0.13	2.84e-03	-0.05	0.0	-1.04e-04	3.65e-05
1073	276	0.02	0.20	-0.07	0.0	0.0	3.63e-05
1073	298	0.02	0.04	-0.06	0.0	-1.90e-06	3.43e-05
1073	303	0.03	0.04	-0.06	0.0	8.52e-06	3.12e-05
1073	307	0.02	0.07	-0.06	0.0	-1.52e-06	3.27e-05
1073	310	0.02	0.04	-0.06	0.0	-1.77e-06	3.26e-05
1074	28	-0.04	0.03	-0.02	0.0	-8.85e-05	2.42e-05
1074	45	-0.07	1.26e-03	-8.15e-03	0.0	-1.51e-04	1.46e-05
1074	68	4.10e-03	0.11	-0.02	0.0	3.94e-06	1.66e-05
1074	121	0.68	0.15	-5.84e-03	0.0	1.36e-03	-5.44e-05
1074	124	-0.67	-0.11	-0.02	0.0	-1.35e-03	7.58e-05
1074	139	-0.10	0.67	-0.01	0.0	-2.07e-04	3.65e-05
1074	153	0.76	0.16	-5.13e-03	0.0	1.52e-03	-6.25e-05
1074	156	-0.76	-0.12	-0.02	0.0	-1.52e-03	8.38e-05
1074	171	-0.11	0.76	-0.01	0.0	-2.32e-04	3.97e-05
1074	185	0.75	0.16	-5.22e-03	0.0	1.50e-03	-6.12e-05
1074	188	-0.74	-0.13	-0.02	0.0	-1.50e-03	8.25e-05
1074	203	-0.11	0.77	-0.01	0.0	-2.24e-04	3.89e-05
1074	217	0.87	0.19	-4.18e-03	0.0	1.74e-03	-7.27e-05
1074	220	-0.87	-0.15	-0.02	0.0	-1.74e-03	9.40e-05
1074	235	-0.13	0.91	-0.01	0.0	-2.60e-04	4.35e-05
1074	256	-0.03	0.02	-0.01	0.0	-5.89e-05	1.66e-05
1074	261	-0.05	6.26e-03	-8.47e-03	0.0	-1.00e-04	1.26e-05
1074	276	2.83e-03	0.07	-0.01	0.0	2.70e-06	1.16e-05
1074	298	2.33e-03	0.02	-0.01	0.0	1.85e-06	1.12e-05
1074	304	-8.42e-03	0.01	-8.07e-03	0.0	-1.89e-05	8.34e-06
1074	307	2.31e-03	0.03	-0.01	0.0	1.95e-06	1.06e-05
1074	310	2.24e-03	0.02	-0.01	0.0	1.80e-06	1.07e-05
1075	1	0.0	0.0	0.0	0.0	4.88e-05	1.60e-06
1075	113	0.0	0.0	0.0	0.0	1.31e-03	-3.43e-06
1075	145	0.0	0.0	0.0	0.0	1.47e-03	-4.11e-06
1075	177	0.0	0.0	0.0	0.0	1.45e-03	-3.95e-06
1075	209	0.0	0.0	0.0	0.0	1.69e-03	-4.95e-06
1075	241	0.0	0.0	0.0	0.0	3.27e-05	1.17e-06
1075	297	0.0	0.0	0.0	0.0	2.24e-06	1.50e-06
1075	309	0.0	0.0	0.0	0.0	2.24e-06	1.50e-06
1076	28	-0.09	0.04	-0.04	0.0	-9.54e-05	4.33e-05
1076	45	-0.15	-4.07e-03	-0.02	0.0	-1.55e-04	2.56e-05
1076	68	6.28e-03	0.20	-0.03	0.0	-1.19e-06	3.05e-05
1076	116	-1.30	0.41	-0.03	0.0	-1.32e-03	9.94e-05
1076	121	1.35	0.30	-0.01	0.0	1.36e-03	-9.61e-05
1076	139	-0.20	1.36	-0.02	0.0	-2.12e-04	6.79e-05
1076	148	-1.47	0.46	-0.03	0.0	-1.48e-03	1.09e-04
1076	153	1.52	0.33	-0.01	0.0	1.53e-03	-1.10e-04
1076	171	-0.23	1.53	-0.02	0.0	-2.37e-04	7.38e-05
1076	180	-1.44	0.43	-0.03	0.0	-1.46e-03	1.07e-04
1076	185	1.50	0.34	-0.01	0.0	1.50e-03	-1.08e-04

1076	203	-0.22	1.55	-0.02	0.0	-2.29e-04	7.24e-05
1076	212	-1.69	0.49	-0.04	0.0	-1.70e-03	1.21e-04
1076	217	1.74	0.40	-8.68e-03	0.0	1.75e-03	-1.28e-04
1076	235	-0.26	1.83	-0.02	0.0	-2.65e-04	8.12e-05
1076	256	-0.06	0.03	-0.03	0.0	-6.37e-05	2.98e-05
1076	261	-0.10	6.34e-03	-0.02	0.0	-1.04e-04	2.23e-05
1076	276	4.33e-03	0.14	-0.02	0.0	0.0	2.13e-05
1076	298	3.40e-03	0.03	-0.02	0.0	-1.56e-06	2.03e-05
1076	304	-0.02	0.02	-0.02	0.0	-2.13e-05	1.50e-05
1076	307	3.42e-03	0.05	-0.02	0.0	-1.29e-06	1.93e-05
1076	310	3.27e-03	0.03	-0.02	0.0	-1.44e-06	1.93e-05
1077	28	-0.13	0.05	-0.06	0.0	-1.06e-04	5.64e-05
1077	45	-0.23	-0.01	-0.02	0.0	-1.60e-04	3.28e-05
1077	68	4.66e-03	0.30	-0.05	0.0	-8.95e-06	4.10e-05
1077	116	-1.97	0.60	-0.05	0.0	-1.33e-03	1.09e-04
1077	121	2.03	0.46	-0.02	0.0	1.36e-03	-1.08e-04
1077	139	-0.31	2.04	-0.04	0.0	-2.19e-04	8.91e-05
1077	148	-2.21	0.67	-0.05	0.0	-1.50e-03	1.19e-04
1077	153	2.29	0.51	-0.02	0.0	1.53e-03	-1.25e-04
1077	171	-0.35	2.30	-0.04	0.0	-2.44e-04	9.70e-05
1077	180	-2.18	0.63	-0.05	0.0	-1.48e-03	1.16e-04
1077	185	2.25	0.52	-0.02	0.0	1.51e-03	-1.22e-04
1077	203	-0.34	2.34	-0.04	0.0	-2.36e-04	9.55e-05
1077	212	-2.54	0.71	-0.05	0.0	-1.72e-03	1.30e-04
1077	217	2.62	0.61	-0.01	0.0	1.76e-03	-1.45e-04
1077	235	-0.39	2.76	-0.04	0.0	-2.73e-04	1.07e-04
1077	256	-0.09	0.04	-0.04	0.0	-7.08e-05	3.88e-05
1077	261	-0.15	1.94e-03	-0.02	0.0	-1.09e-04	2.87e-05
1077	276	3.18e-03	0.20	-0.04	0.0	-6.28e-06	2.85e-05
1077	298	1.93e-03	0.04	-0.03	0.0	-6.70e-06	2.68e-05
1077	304	-0.03	0.02	-0.02	0.0	-2.50e-05	1.96e-05
1077	307	2.12e-03	0.07	-0.03	0.0	-6.18e-06	2.55e-05
1077	310	1.90e-03	0.04	-0.03	0.0	-6.32e-06	2.54e-05
1078	28	-0.05	0.03	-0.01	0.0	-1.05e-04	1.69e-05
1078	44	-0.08	0.02	-0.01	0.0	-1.67e-04	1.73e-05
1078	68	-3.11e-03	0.10	-0.01	0.0	-8.09e-06	1.21e-05
1078	123	-0.71	0.09	-8.07e-03	0.0	-1.40e-03	5.75e-05
1078	128	-0.65	-0.18	-8.29e-03	0.0	-1.29e-03	4.80e-05
1078	139	-0.28	0.67	-7.16e-03	0.0	-5.49e-04	2.65e-05
1078	155	-0.79	0.10	-8.15e-03	0.0	-1.58e-03	6.37e-05
1078	160	-0.73	-0.20	-8.40e-03	0.0	-1.44e-03	5.30e-05
1078	171	-0.31	0.76	-7.13e-03	0.0	-6.17e-04	2.89e-05
1078	187	-0.78	0.11	-8.14e-03	0.0	-1.55e-03	6.30e-05
1078	192	-0.71	-0.21	-8.39e-03	0.0	-1.42e-03	5.22e-05
1078	203	-0.31	0.77	-7.12e-03	0.0	-6.10e-04	2.84e-05
1078	219	-0.91	0.12	-8.25e-03	0.0	-1.80e-03	7.22e-05
1078	224	-0.83	-0.25	-8.55e-03	0.0	-1.65e-03	5.94e-05
1078	235	-0.36	0.91	-7.06e-03	0.0	-7.12e-04	3.20e-05
1078	256	-0.03	0.02	-9.20e-03	0.0	-7.04e-05	1.16e-05
1078	264	-0.06	0.01	-8.01e-03	0.0	-1.11e-04	1.19e-05
1078	276	-2.19e-03	0.07	-7.96e-03	0.0	-5.68e-06	8.45e-06
1078	298	-2.42e-03	0.02	-7.81e-03	0.0	-6.01e-06	7.94e-06
1078	305	-0.01	0.02	-7.42e-03	0.0	-2.67e-05	8.25e-06
1078	307	-2.21e-03	0.03	-7.41e-03	0.0	-5.55e-06	7.57e-06
1078	310	-2.27e-03	0.02	-7.39e-03	0.0	-5.66e-06	7.54e-06
1079	1	0.0	0.0	0.0	0.0	4.28e-05	1.15e-06
1079	113	0.0	0.0	0.0	0.0	1.20e-03	0.0
1079	145	0.0	0.0	0.0	0.0	1.34e-03	-1.23e-06
1079	177	0.0	0.0	0.0	0.0	1.32e-03	-1.10e-06
1079	209	0.0	0.0	0.0	0.0	1.54e-03	-1.51e-06
1079	241	0.0	0.0	0.0	0.0	2.83e-05	0.0
1079	297	0.0	0.0	0.0	0.0	-3.27e-06	1.07e-06
1079	309	0.0	0.0	0.0	0.0	-3.27e-06	1.07e-06
1080	28	-0.10	0.04	-0.03	0.0	-1.08e-04	3.07e-05
1080	44	-0.17	0.03	-0.02	0.0	-1.69e-04	3.13e-05
1080	68	-7.17e-03	0.20	-0.02	0.0	-1.04e-05	2.21e-05
1080	123	-1.41	0.17	-0.02	0.0	-1.40e-03	1.09e-04
1080	128	-1.29	-0.37	-0.02	0.0	-1.28e-03	8.97e-05
1080	139	-0.55	1.35	-0.01	0.0	-5.48e-04	5.04e-05
1080	155	-1.58	0.19	-0.02	0.0	-1.57e-03	1.21e-04
1080	160	-1.45	-0.43	-0.02	0.0	-1.44e-03	9.91e-05
1080	171	-0.62	1.52	-0.01	0.0	-6.15e-04	5.49e-05
1080	187	-1.56	0.20	-0.02	0.0	-1.54e-03	1.20e-04
1080	192	-1.42	-0.43	-0.02	0.0	-1.41e-03	9.75e-05
1080	203	-0.61	1.55	-0.01	0.0	-6.08e-04	5.42e-05

1080	219	-1.81	0.24	-0.02	0.0	-1.80e-03	1.38e-04
1080	224	-1.65	-0.52	-0.02	0.0	-1.64e-03	1.11e-04
1080	235	-0.71	1.83	-0.01	0.0	-7.10e-04	6.10e-05
1080	256	-0.07	0.03	-0.02	0.0	-7.24e-05	2.11e-05
1080	264	-0.11	0.02	-0.02	0.0	-1.13e-04	2.15e-05
1080	276	-5.04e-03	0.14	-0.02	0.0	-7.27e-06	1.54e-05
1080	298	-5.42e-03	0.03	-0.02	0.0	-7.46e-06	1.44e-05
1080	305	-0.03	0.03	-0.01	0.0	-2.82e-05	1.50e-05
1080	307	-4.98e-03	0.05	-0.01	0.0	-6.94e-06	1.37e-05
1080	310	-5.10e-03	0.03	-0.01	0.0	-7.05e-06	1.37e-05
1081	28	-0.16	0.05	-0.04	0.0	-1.12e-04	3.98e-05
1081	44	-0.25	0.02	-0.03	0.0	-1.73e-04	4.08e-05
1081	68	-0.01	0.30	-0.03	0.0	-1.36e-05	2.87e-05
1081	123	-2.10	0.24	-0.02	0.0	-1.39e-03	1.42e-04
1081	128	-1.93	-0.59	-0.02	0.0	-1.27e-03	1.13e-04
1081	139	-0.82	2.04	-0.02	0.0	-5.46e-04	6.74e-05
1081	155	-2.36	0.27	-0.02	0.0	-1.56e-03	1.58e-04
1081	160	-2.17	-0.67	-0.02	0.0	-1.43e-03	1.24e-04
1081	171	-0.93	2.30	-0.02	0.0	-6.13e-04	7.36e-05
1081	187	-2.33	0.28	-0.02	0.0	-1.54e-03	1.56e-04
1081	192	-2.13	-0.68	-0.02	0.0	-1.40e-03	1.22e-04
1081	203	-0.91	2.33	-0.02	0.0	-6.06e-04	7.26e-05
1081	219	-2.70	0.33	-0.02	0.0	-1.78e-03	1.79e-04
1081	224	-2.47	-0.82	-0.02	0.0	-1.63e-03	1.39e-04
1081	235	-1.07	2.76	-0.02	0.0	-7.06e-04	8.20e-05
1081	256	-0.11	0.03	-0.03	0.0	-7.52e-05	2.74e-05
1081	264	-0.17	0.02	-0.02	0.0	-1.16e-04	2.80e-05
1081	276	-9.10e-03	0.20	-0.02	0.0	-9.50e-06	2.00e-05
1081	298	-9.52e-03	0.04	-0.02	0.0	-9.54e-06	1.86e-05
1081	305	-0.04	0.03	-0.02	0.0	-3.02e-05	1.94e-05
1081	307	-8.81e-03	0.07	-0.02	0.0	-8.93e-06	1.78e-05
1081	310	-8.98e-03	0.04	-0.02	0.0	-9.02e-06	1.76e-05
1082	44	-0.09	0.02	-9.06e-03	0.0	-1.78e-04	1.20e-05
1082	51	-9.20e-03	0.08	-0.01	0.0	-1.84e-05	9.20e-06
1082	68	-8.08e-03	0.10	-9.66e-03	0.0	-1.62e-05	8.47e-06
1082	123	-0.72	0.09	-6.32e-03	0.0	-1.44e-03	4.02e-05
1082	139	-0.28	0.67	-9.45e-03	0.0	-5.56e-04	2.04e-05
1082	155	-0.81	0.10	-6.34e-03	0.0	-1.61e-03	4.46e-05
1082	171	-0.31	0.75	-9.88e-03	0.0	-6.24e-04	2.23e-05
1082	187	-0.80	0.10	-6.36e-03	0.0	-1.59e-03	4.41e-05
1082	203	-0.31	0.76	-9.94e-03	0.0	-6.16e-04	2.21e-05
1082	219	-0.93	0.12	-6.42e-03	0.0	-1.84e-03	5.08e-05
1082	235	-0.36	0.90	-0.01	0.0	-7.18e-04	2.50e-05
1082	264	-0.06	0.01	-6.42e-03	0.0	-1.19e-04	8.25e-06
1082	267	-6.40e-03	0.05	-7.77e-03	0.0	-1.28e-05	6.38e-06
1082	276	-5.65e-03	0.07	-6.82e-03	0.0	-1.13e-05	5.89e-06
1082	298	-5.61e-03	0.02	-6.49e-03	0.0	-1.12e-05	5.43e-06
1082	305	-0.02	0.02	-6.12e-03	0.0	-3.22e-05	5.67e-06
1082	307	-5.26e-03	0.03	-6.20e-03	0.0	-1.05e-05	5.20e-06
1082	310	-5.31e-03	0.02	-6.13e-03	0.0	-1.06e-05	5.15e-06
1083	1	0.0	0.0	0.0	0.0	3.89e-05	0.0
1083	113	0.0	0.0	0.0	0.0	1.21e-03	0.0
1083	145	0.0	0.0	0.0	0.0	1.36e-03	0.0
1083	177	0.0	0.0	0.0	0.0	1.33e-03	0.0
1083	209	0.0	0.0	0.0	0.0	1.55e-03	0.0
1083	241	0.0	0.0	0.0	0.0	2.54e-05	0.0
1083	297	0.0	0.0	0.0	0.0	-6.95e-06	0.0
1083	309	0.0	0.0	0.0	0.0	-6.95e-06	0.0
1084	44	-0.18	0.02	-0.02	0.0	-1.78e-04	2.19e-05
1084	51	-0.02	0.14	-0.02	0.0	-1.86e-05	1.66e-05
1084	68	-0.02	0.20	-0.02	0.0	-1.64e-05	1.52e-05
1084	123	-1.44	0.17	-0.01	0.0	-1.42e-03	7.74e-05
1084	139	-0.56	1.35	-0.02	0.0	-5.51e-04	3.93e-05
1084	155	-1.62	0.19	-0.01	0.0	-1.60e-03	8.60e-05
1084	171	-0.63	1.52	-0.02	0.0	-6.17e-04	4.31e-05
1084	187	-1.60	0.20	-0.01	0.0	-1.57e-03	8.52e-05
1084	203	-0.62	1.54	-0.02	0.0	-6.10e-04	4.26e-05
1084	219	-1.85	0.23	-0.01	0.0	-1.82e-03	9.81e-05
1084	235	-0.72	1.82	-0.02	0.0	-7.11e-04	4.84e-05
1084	264	-0.12	0.02	-0.01	0.0	-1.19e-04	1.50e-05
1084	267	-0.01	0.10	-0.02	0.0	-1.29e-05	1.15e-05
1084	276	-0.01	0.14	-0.01	0.0	-1.14e-05	1.06e-05
1084	298	-0.01	0.03	-0.01	0.0	-1.13e-05	9.76e-06
1084	305	-0.03	0.03	-0.01	0.0	-3.22e-05	1.02e-05
1084	307	-0.01	0.05	-0.01	0.0	-1.06e-05	9.34e-06

1084	310	-0.01	0.03	-0.01	0.0	-1.07e-05	9.26e-06
1085	44	-0.27	0.02	-0.03	0.0	-1.78e-04	2.86e-05
1085	51	-0.03	0.21	-0.03	0.0	-1.86e-05	2.12e-05
1085	68	-0.02	0.29	-0.03	0.0	-1.64e-05	1.95e-05
1085	123	-2.15	0.24	-0.02	0.0	-1.40e-03	1.04e-04
1085	139	-0.83	2.03	-0.02	0.0	-5.42e-04	5.41e-05
1085	155	-2.42	0.27	-0.02	0.0	-1.57e-03	1.15e-04
1085	171	-0.93	2.29	-0.02	0.0	-6.08e-04	5.94e-05
1085	187	-2.38	0.28	-0.02	0.0	-1.55e-03	1.14e-04
1085	203	-0.92	2.33	-0.02	0.0	-6.01e-04	5.86e-05
1085	219	-2.76	0.33	-0.02	0.0	-1.80e-03	1.32e-04
1085	235	-1.07	2.75	-0.03	0.0	-7.00e-04	6.68e-05
1085	264	-0.18	0.02	-0.02	0.0	-1.19e-04	1.96e-05
1085	267	-0.02	0.14	-0.02	0.0	-1.29e-05	1.47e-05
1085	276	-0.02	0.20	-0.02	0.0	-1.15e-05	1.36e-05
1085	298	-0.02	0.04	-0.02	0.0	-1.13e-05	1.24e-05
1085	305	-0.05	0.03	-0.02	0.0	-3.22e-05	1.31e-05
1085	307	-0.02	0.07	-0.02	0.0	-1.06e-05	1.19e-05
1085	310	-0.02	0.04	-0.02	0.0	-1.07e-05	1.18e-05
1086	44	-0.09	0.02	-8.14e-03	0.0	-1.87e-04	9.20e-06
1086	51	-0.01	0.07	-0.01	0.0	-2.44e-05	6.85e-06
1086	68	-0.01	0.10	-0.01	0.0	-2.17e-05	6.33e-06
1086	118	0.66	-0.44	-7.04e-03	0.0	1.31e-03	-9.52e-06
1086	123	-0.74	0.09	-5.02e-03	0.0	-1.46e-03	3.21e-05
1086	139	-0.28	0.66	-4.92e-03	0.0	-5.58e-04	1.80e-05
1086	150	0.75	-0.49	-7.19e-03	0.0	1.48e-03	-1.11e-05
1086	155	-0.83	0.10	-4.92e-03	0.0	-1.64e-03	3.56e-05
1086	171	-0.32	0.75	-4.80e-03	0.0	-6.25e-04	1.98e-05
1086	182	0.73	-0.49	-7.17e-03	0.0	1.45e-03	-1.04e-05
1086	187	-0.82	0.10	-4.94e-03	0.0	-1.61e-03	3.53e-05
1086	203	-0.31	0.76	-4.79e-03	0.0	-6.17e-04	1.96e-05
1086	214	0.86	-0.58	-7.40e-03	0.0	1.70e-03	-1.28e-05
1086	219	-0.95	0.12	-4.79e-03	0.0	-1.87e-03	4.08e-05
1086	235	-0.36	0.89	-4.61e-03	0.0	-7.18e-04	2.24e-05
1086	264	-0.06	0.01	-5.80e-03	0.0	-1.25e-04	6.32e-06
1086	267	-8.97e-03	0.05	-8.19e-03	0.0	-1.70e-05	4.75e-06
1086	276	-8.04e-03	0.07	-7.79e-03	0.0	-1.52e-05	4.41e-06
1086	298	-7.78e-03	0.02	-6.18e-03	0.0	-1.47e-05	4.01e-06
1086	305	-0.02	0.02	-5.77e-03	0.0	-3.59e-05	4.23e-06
1086	307	-7.35e-03	0.03	-6.17e-03	0.0	-1.39e-05	3.85e-06
1086	310	-7.37e-03	0.02	-5.84e-03	0.0	-1.39e-05	3.81e-06
1087	1	0.0	0.0	0.0	0.0	3.64e-05	0.0
1087	113	0.0	0.0	0.0	0.0	1.21e-03	0.0
1087	145	0.0	0.0	0.0	0.0	1.36e-03	0.0
1087	177	0.0	0.0	0.0	0.0	1.33e-03	0.0
1087	209	0.0	0.0	0.0	0.0	1.55e-03	0.0
1087	241	0.0	0.0	0.0	0.0	2.35e-05	0.0
1087	297	0.0	0.0	0.0	0.0	-9.42e-06	0.0
1087	309	0.0	0.0	0.0	0.0	-9.42e-06	0.0
1088	44	-0.19	0.02	-0.02	0.0	-1.85e-04	1.68e-05
1088	51	-0.03	0.14	-0.02	0.0	-2.30e-05	1.23e-05
1088	68	-0.02	0.20	-0.02	0.0	-2.04e-05	1.13e-05
1088	123	-1.47	0.17	-0.01	0.0	-1.44e-03	6.20e-05
1088	139	-0.56	1.34	-0.02	0.0	-5.50e-04	3.54e-05
1088	141	0.24	1.19	-0.02	0.0	2.37e-04	1.72e-05
1088	155	-1.65	0.19	-0.01	0.0	-1.62e-03	6.89e-05
1088	171	-0.63	1.51	-0.02	0.0	-6.16e-04	3.90e-05
1088	173	0.27	1.34	-0.02	0.0	2.68e-04	1.86e-05
1088	187	-1.62	0.20	-0.01	0.0	-1.59e-03	6.84e-05
1088	203	-0.62	1.54	-0.02	0.0	-6.08e-04	3.85e-05
1088	205	0.27	1.37	-0.02	0.0	2.62e-04	1.88e-05
1088	219	-1.88	0.23	-0.01	0.0	-1.85e-03	7.90e-05
1088	235	-0.72	1.82	-0.02	0.0	-7.08e-04	4.41e-05
1088	237	0.31	1.62	-0.02	0.0	3.05e-04	2.12e-05
1088	264	-0.13	0.02	-0.01	0.0	-1.24e-04	1.15e-05
1088	267	-0.02	0.10	-0.02	0.0	-1.59e-05	8.51e-06
1088	276	-0.02	0.14	-0.01	0.0	-1.43e-05	7.89e-06
1088	298	-0.02	0.03	-0.01	0.0	-1.38e-05	7.18e-06
1088	305	-0.04	0.03	-0.01	0.0	-3.50e-05	7.61e-06
1088	307	-0.01	0.05	-0.01	0.0	-1.31e-05	6.89e-06
1088	310	-0.01	0.03	-0.01	0.0	-1.31e-05	6.81e-06
1089	44	-0.28	0.02	-0.02	0.0	-1.82e-04	2.21e-05
1089	51	-0.04	0.21	-0.03	0.0	-2.08e-05	1.57e-05
1089	68	-0.03	0.29	-0.03	0.0	-1.85e-05	1.45e-05
1089	123	-2.18	0.24	-0.02	0.0	-1.41e-03	8.41e-05

1089	137	0.31	1.51	-0.03	0.0	2.05e-04	3.33e-05
1089	139	-0.84	2.03	-0.03	0.0	-5.38e-04	5.03e-05
1089	155	-2.45	0.27	-0.02	0.0	-1.58e-03	9.36e-05
1089	169	0.35	1.71	-0.03	0.0	2.31e-04	3.65e-05
1089	171	-0.94	2.29	-0.03	0.0	-6.03e-04	5.55e-05
1089	187	-2.41	0.28	-0.02	0.0	-1.56e-03	9.29e-05
1089	201	0.35	1.76	-0.03	0.0	2.25e-04	3.69e-05
1089	203	-0.92	2.33	-0.03	0.0	-5.95e-04	5.49e-05
1089	219	-2.80	0.33	-0.02	0.0	-1.81e-03	1.08e-04
1089	233	0.41	2.09	-0.04	0.0	2.64e-04	4.21e-05
1089	235	-1.07	2.75	-0.03	0.0	-6.93e-04	6.31e-05
1089	264	-0.19	0.02	-0.02	0.0	-1.22e-04	1.52e-05
1089	267	-0.03	0.14	-0.02	0.0	-1.45e-05	1.09e-05
1089	276	-0.02	0.20	-0.02	0.0	-1.29e-05	1.01e-05
1089	298	-0.02	0.04	-0.02	0.0	-1.25e-05	9.14e-06
1089	305	-0.05	0.03	-0.02	0.0	-3.37e-05	9.80e-06
1089	307	-0.02	0.07	-0.02	0.0	-1.18e-05	8.78e-06
1089	310	-0.02	0.04	-0.02	0.0	-1.19e-05	8.68e-06
1090	44	-0.10	0.01	-5.68e-03	0.0	-1.95e-04	8.32e-06
1090	67	-0.01	0.10	-0.03	0.0	-2.63e-05	5.39e-06
1090	68	-0.02	0.10	-0.03	0.0	-2.75e-05	5.63e-06
1090	123	-0.75	0.09	-0.02	0.0	-1.48e-03	2.93e-05
1090	139	-0.28	0.66	-0.13	0.0	-5.59e-04	1.77e-05
1090	155	-0.85	0.10	-0.02	0.0	-1.66e-03	3.26e-05
1090	171	-0.32	0.74	-0.15	0.0	-6.26e-04	1.94e-05
1090	187	-0.83	0.10	-0.02	0.0	-1.64e-03	3.23e-05
1090	203	-0.31	0.75	-0.15	0.0	-6.16e-04	1.92e-05
1090	219	-0.96	0.12	-0.02	0.0	-1.90e-03	3.73e-05
1090	235	-0.36	0.89	-0.17	0.0	-7.16e-04	2.20e-05
1090	264	-0.07	0.01	-4.18e-03	0.0	-1.31e-04	5.71e-06
1090	275	-0.01	0.07	-0.02	0.0	-1.84e-05	3.75e-06
1090	276	-0.01	0.07	-0.02	0.0	-1.92e-05	3.91e-06
1090	305	-0.02	0.02	-5.83e-03	0.0	-3.97e-05	3.77e-06
1090	307	-9.72e-03	0.03	-8.92e-03	0.0	-1.74e-05	3.41e-06
1090	310	-9.71e-03	0.02	-6.32e-03	0.0	-1.73e-05	3.37e-06
1091	1	0.0	0.0	0.0	0.0	3.39e-05	0.0
1091	113	0.0	0.0	0.0	0.0	1.20e-03	0.0
1091	145	0.0	0.0	0.0	0.0	1.35e-03	0.0
1091	177	0.0	0.0	0.0	0.0	1.33e-03	0.0
1091	209	0.0	0.0	0.0	0.0	1.55e-03	0.0
1091	241	0.0	0.0	0.0	0.0	2.17e-05	0.0
1091	297	0.0	0.0	0.0	0.0	-1.20e-05	0.0
1091	309	0.0	0.0	0.0	0.0	-1.20e-05	0.0
1092	44	-0.20	0.02	-9.34e-03	0.0	-1.92e-04	1.52e-05
1092	67	-0.03	0.20	-0.05	0.0	-2.36e-05	9.65e-06
1092	68	-0.03	0.20	-0.05	0.0	-2.47e-05	1.01e-05
1092	123	-1.50	0.17	-0.03	0.0	-1.46e-03	5.65e-05
1092	139	-0.56	1.34	-0.23	0.0	-5.48e-04	3.49e-05
1092	155	-1.68	0.19	-0.03	0.0	-1.64e-03	6.28e-05
1092	171	-0.63	1.51	-0.26	0.0	-6.14e-04	3.85e-05
1092	187	-1.65	0.19	-0.03	0.0	-1.61e-03	6.23e-05
1092	203	-0.62	1.53	-0.26	0.0	-6.05e-04	3.80e-05
1092	219	-1.92	0.23	-0.04	0.0	-1.87e-03	7.22e-05
1092	235	-0.72	1.81	-0.31	0.0	-7.03e-04	4.37e-05
1092	264	-0.13	0.02	-6.86e-03	0.0	-1.29e-04	1.04e-05
1092	275	-0.02	0.13	-0.03	0.0	-1.65e-05	6.72e-06
1092	276	-0.02	0.13	-0.03	0.0	-1.72e-05	7.01e-06
1092	305	-0.04	0.03	-9.82e-03	0.0	-3.79e-05	6.78e-06
1092	307	-0.02	0.05	-0.02	0.0	-1.56e-05	6.10e-06
1092	310	-0.02	0.03	-0.01	0.0	-1.56e-05	6.03e-06
1093	44	-0.29	0.02	-0.01	0.0	-1.87e-04	2.01e-05
1093	67	-0.04	0.29	-0.06	0.0	-1.99e-05	1.24e-05
1093	68	-0.04	0.29	-0.06	0.0	-2.08e-05	1.29e-05
1093	123	-2.22	0.24	-0.03	0.0	-1.42e-03	7.69e-05
1093	139	-0.84	2.03	-0.30	0.0	-5.33e-04	5.01e-05
1093	155	-2.49	0.27	-0.04	0.0	-1.59e-03	8.56e-05
1093	171	-0.94	2.29	-0.34	0.0	-5.97e-04	5.54e-05
1093	187	-2.45	0.28	-0.04	0.0	-1.57e-03	8.51e-05
1093	203	-0.92	2.32	-0.34	0.0	-5.88e-04	5.49e-05
1093	219	-2.84	0.33	-0.05	0.0	-1.82e-03	9.86e-05
1093	235	-1.07	2.74	-0.41	0.0	-6.84e-04	6.33e-05
1093	264	-0.20	0.02	-8.91e-03	0.0	-1.25e-04	1.38e-05
1093	275	-0.03	0.19	-0.04	0.0	-1.39e-05	8.63e-06
1093	276	-0.03	0.20	-0.04	0.0	-1.45e-05	9.00e-06
1093	305	-0.06	0.03	-0.01	0.0	-3.53e-05	8.76e-06

1093	307	-0.03	0.07	-0.02	0.0	-1.31e-05	7.80e-06
1093	310	-0.03	0.04	-0.01	0.0	-1.31e-05	7.70e-06
1094	28	-0.10	0.05	-0.31	0.0	-1.15e-04	9.76e-05
1094	45	-0.26	-0.03	-0.14	0.0	-1.66e-04	5.22e-05
1094	68	0.07	0.39	-0.24	0.0	-1.42e-05	7.57e-05
1094	121	2.57	0.63	0.10	0.0	1.41e-03	-1.34e-04
1094	124	-2.49	-0.53	-0.43	0.0	-1.43e-03	2.26e-04
1094	139	-0.34	2.73	-0.20	0.0	-2.24e-04	1.40e-04
1094	153	2.89	0.70	0.14	0.0	1.59e-03	-1.56e-04
1094	156	-2.81	-0.61	-0.46	0.0	-1.61e-03	2.48e-04
1094	171	-0.38	3.08	-0.20	0.0	-2.49e-04	1.52e-04
1094	185	2.84	0.71	0.13	0.0	1.56e-03	-1.52e-04
1094	188	-2.77	-0.61	-0.46	0.0	-1.59e-03	2.44e-04
1094	203	-0.36	3.13	-0.20	0.0	-2.40e-04	1.51e-04
1094	217	3.30	0.83	0.18	0.0	1.82e-03	-1.83e-04
1094	220	-3.23	-0.74	-0.50	0.0	-1.84e-03	2.75e-04
1094	235	-0.42	3.70	-0.21	0.0	-2.75e-04	1.68e-04
1094	256	-0.07	0.04	-0.22	0.0	-7.73e-05	6.73e-05
1094	261	-0.16	-4.58e-03	-0.14	0.0	-1.13e-04	4.73e-05
1094	276	0.05	0.26	-0.17	0.0	-9.98e-06	5.27e-05
1094	298	0.04	0.05	-0.17	0.0	-1.13e-05	4.84e-05
1094	303	0.06	0.05	-0.16	0.0	0.0	4.44e-05
1094	307	0.04	0.09	-0.16	0.0	-1.04e-05	4.64e-05
1094	310	0.04	0.05	-0.16	0.0	-1.07e-05	4.60e-05
1095	28	-0.15	0.05	-0.15	0.0	-1.18e-04	8.24e-05
1095	45	-0.29	-0.03	-0.06	0.0	-1.66e-04	4.53e-05
1095	68	0.03	0.39	-0.13	0.0	-1.76e-05	6.28e-05
1095	119	-2.33	1.90	-0.16	0.0	-1.26e-03	1.81e-04
1095	121	2.65	0.63	-0.02	0.0	1.39e-03	-1.26e-04
1095	139	-0.39	2.73	-0.13	0.0	-2.27e-04	1.26e-04
1095	151	-2.62	2.14	-0.17	0.0	-1.41e-03	1.98e-04
1095	153	2.98	0.70	-0.01	0.0	1.56e-03	-1.46e-04
1095	171	-0.43	3.08	-0.13	0.0	-2.53e-04	1.37e-04
1095	183	-2.57	2.12	-0.17	0.0	-1.39e-03	1.94e-04
1095	185	2.93	0.71	-0.01	0.0	1.54e-03	-1.42e-04
1095	203	-0.42	3.13	-0.13	0.0	-2.44e-04	1.35e-04
1095	215	-3.00	2.47	-0.19	0.0	-1.62e-03	2.20e-04
1095	217	3.41	0.83	-3.74e-03	0.0	1.79e-03	-1.70e-04
1095	235	-0.48	3.70	-0.14	0.0	-2.81e-04	1.52e-04
1095	256	-0.10	0.04	-0.10	0.0	-7.90e-05	5.68e-05
1095	261	-0.19	-5.46e-03	-0.06	0.0	-1.14e-04	4.06e-05
1095	276	0.02	0.26	-0.09	0.0	-1.23e-05	4.37e-05
1095	298	0.02	0.05	-0.09	0.0	-1.28e-05	4.03e-05
1095	303	0.03	0.05	-0.08	0.0	-1.55e-06	3.68e-05
1095	307	0.02	0.09	-0.08	0.0	-1.19e-05	3.86e-05
1095	310	0.01	0.05	-0.08	0.0	-1.22e-05	3.83e-05
1096	28	-0.16	0.04	-0.43	0.0	-1.54e-04	1.07e-04
1096	45	-0.35	-0.04	-0.19	0.0	-1.83e-04	5.39e-05
1096	68	0.06	0.47	-0.36	0.0	-4.78e-05	8.78e-05
1096	116	-3.22	0.95	-0.54	0.0	-1.49e-03	1.20e-04
1096	121	3.30	0.79	0.07	0.0	1.43e-03	-8.74e-05
1096	139	-0.45	3.41	-0.28	0.0	-2.55e-04	1.51e-04
1096	148	-3.62	1.06	-0.58	0.0	-1.67e-03	1.28e-04
1096	153	3.71	0.89	0.11	0.0	1.61e-03	-1.04e-04
1096	171	-0.51	3.85	-0.28	0.0	-2.82e-04	1.63e-04
1096	180	-3.57	1.00	-0.57	0.0	-1.65e-03	1.23e-04
1096	185	3.65	0.90	0.10	0.0	1.59e-03	-1.00e-04
1096	203	-0.49	3.91	-0.28	0.0	-2.73e-04	1.62e-04
1096	212	-4.17	1.13	-0.63	0.0	-1.92e-03	1.33e-04
1096	217	4.25	1.06	0.16	0.0	1.86e-03	-1.23e-04
1096	235	-0.57	4.63	-0.29	0.0	-3.10e-04	1.82e-04
1096	256	-0.11	0.03	-0.30	0.0	-1.05e-04	7.41e-05
1096	261	-0.22	-0.02	-0.19	0.0	-1.30e-04	5.01e-05
1096	276	0.04	0.31	-0.25	0.0	-3.34e-05	6.11e-05
1096	298	0.03	0.05	-0.24	0.0	-3.27e-05	5.48e-05
1096	303	0.06	0.05	-0.23	0.0	-2.01e-05	5.07e-05
1096	307	0.03	0.10	-0.23	0.0	-3.09e-05	5.29e-05
1096	310	0.03	0.05	-0.23	0.0	-3.11e-05	5.21e-05
1097	28	-0.22	0.04	-0.21	0.0	-1.39e-04	7.84e-05
1097	45	-0.38	-0.05	-0.08	0.0	-1.77e-04	4.27e-05
1097	68	0.01	0.47	-0.18	0.0	-3.51e-05	6.11e-05
1097	119	-2.97	2.36	-0.21	0.0	-1.30e-03	1.39e-04
1097	121	3.35	0.79	-0.04	0.0	1.40e-03	-8.42e-05
1097	139	-0.51	3.41	-0.16	0.0	-2.46e-04	1.25e-04
1097	151	-3.34	2.65	-0.22	0.0	-1.46e-03	1.52e-04

1097	153	3.77	0.89	-0.03	0.0	1.58e-03	-9.90e-05
1097	171	-0.57	3.84	-0.17	0.0	-2.72e-04	1.36e-04
1097	183	-3.28	2.63	-0.22	0.0	-1.43e-03	1.48e-04
1097	185	3.71	0.90	-0.03	0.0	1.56e-03	-9.50e-05
1097	203	-0.55	3.91	-0.17	0.0	-2.64e-04	1.36e-04
1097	215	-3.83	3.07	-0.24	0.0	-1.67e-03	1.67e-04
1097	217	4.32	1.06	-0.02	0.0	1.82e-03	-1.15e-04
1097	235	-0.63	4.62	-0.17	0.0	-3.02e-04	1.53e-04
1097	256	-0.15	0.03	-0.14	0.0	-9.39e-05	5.40e-05
1097	261	-0.25	-0.02	-0.08	0.0	-1.24e-04	3.83e-05
1097	276	8.29e-03	0.31	-0.12	0.0	-2.45e-05	4.25e-05
1097	298	5.35e-03	0.05	-0.12	0.0	-2.40e-05	3.85e-05
1097	304	-0.05	0.02	-0.08	0.0	-3.72e-05	2.76e-05
1097	307	5.70e-03	0.10	-0.11	0.0	-2.27e-05	3.70e-05
1097	310	5.17e-03	0.04	-0.11	0.0	-2.28e-05	3.65e-05
1098	28	-0.19	0.05	-0.08	0.0	-1.17e-04	6.14e-05
1098	44	-0.31	0.01	-0.07	0.0	-1.78e-04	6.21e-05
1098	68	-1.99e-03	0.38	-0.07	0.0	-1.78e-05	4.56e-05
1098	116	-2.64	0.78	-0.06	0.0	-1.35e-03	8.95e-05
1098	124	-2.72	-0.54	-0.06	0.0	-1.39e-03	1.52e-04
1098	139	-0.42	2.73	-0.05	0.0	-2.26e-04	9.98e-05
1098	148	-2.96	0.86	-0.07	0.0	-1.52e-03	9.66e-05
1098	156	-3.06	-0.61	-0.06	0.0	-1.56e-03	1.68e-04
1098	171	-0.47	3.07	-0.05	0.0	-2.52e-04	1.09e-04
1098	180	-2.92	0.82	-0.06	0.0	-1.49e-03	9.27e-05
1098	188	-3.01	-0.62	-0.06	0.0	-1.54e-03	1.64e-04
1098	203	-0.46	3.12	-0.05	0.0	-2.44e-04	1.08e-04
1098	212	-3.41	0.93	-0.07	0.0	-1.74e-03	1.02e-04
1098	220	-3.51	-0.74	-0.07	0.0	-1.79e-03	1.85e-04
1098	235	-0.53	3.69	-0.05	0.0	-2.81e-04	1.21e-04
1098	256	-0.13	0.03	-0.06	0.0	-7.87e-05	4.23e-05
1098	264	-0.21	0.01	-0.05	0.0	-1.19e-04	4.27e-05
1098	276	-1.49e-03	0.26	-0.05	0.0	-1.24e-05	3.17e-05
1098	298	-2.87e-03	0.05	-0.05	0.0	-1.25e-05	2.93e-05
1098	305	-0.04	0.04	-0.04	0.0	-3.31e-05	3.02e-05
1098	307	-2.35e-03	0.09	-0.04	0.0	-1.17e-05	2.80e-05
1098	310	-2.65e-03	0.04	-0.04	0.0	-1.18e-05	2.78e-05
1099	28	-0.25	0.03	-0.10	0.0	-1.28e-04	5.60e-05
1099	44	-0.41	-8.76e-03	-0.09	0.0	-1.88e-04	5.71e-05
1099	68	-0.01	0.46	-0.09	0.0	-2.59e-05	4.15e-05
1099	116	-3.32	0.95	-0.08	0.0	-1.36e-03	4.92e-05
1099	124	-3.42	-0.71	-0.08	0.0	-1.40e-03	1.18e-04
1099	139	-0.54	3.40	-0.06	0.0	-2.33e-04	9.97e-05
1099	148	-3.73	1.05	-0.08	0.0	-1.53e-03	5.15e-05
1099	156	-3.85	-0.80	-0.08	0.0	-1.57e-03	1.29e-04
1099	171	-0.60	3.84	-0.06	0.0	-2.59e-04	1.09e-04
1099	180	-3.67	0.99	-0.08	0.0	-1.51e-03	4.71e-05
1099	188	-3.79	-0.81	-0.08	0.0	-1.55e-03	1.26e-04
1099	203	-0.58	3.90	-0.06	0.0	-2.52e-04	1.08e-04
1099	212	-4.28	1.12	-0.09	0.0	-1.76e-03	4.90e-05
1099	220	-4.40	-0.97	-0.08	0.0	-1.80e-03	1.40e-04
1099	235	-0.67	4.61	-0.06	0.0	-2.89e-04	1.23e-04
1099	256	-0.17	0.02	-0.07	0.0	-8.60e-05	3.85e-05
1099	264	-0.27	-4.08e-03	-0.06	0.0	-1.26e-04	3.92e-05
1099	276	-9.63e-03	0.31	-0.06	0.0	-1.81e-05	2.89e-05
1099	298	-0.01	0.04	-0.06	0.0	-1.78e-05	2.63e-05
1099	305	-0.06	0.03	-0.06	0.0	-3.84e-05	2.73e-05
1099	307	-9.94e-03	0.09	-0.06	0.0	-1.68e-05	2.52e-05
1099	310	-0.01	0.04	-0.06	0.0	-1.69e-05	2.49e-05
1100	28	-0.22	0.04	-0.05	0.0	-1.16e-04	4.25e-05
1100	44	-0.34	0.01	-0.04	0.0	-1.78e-04	4.39e-05
1100	68	-0.02	0.38	-0.04	0.0	-1.68e-05	3.06e-05
1100	123	-2.80	0.30	-0.03	0.0	-1.38e-03	1.54e-04
1100	128	-2.56	-0.82	-0.03	0.0	-1.26e-03	1.15e-04
1100	139	-1.10	2.72	-0.03	0.0	-5.44e-04	7.73e-05
1100	155	-3.14	0.34	-0.03	0.0	-1.55e-03	1.71e-04
1100	160	-2.88	-0.93	-0.03	0.0	-1.42e-03	1.26e-04
1100	171	-1.23	3.07	-0.03	0.0	-6.10e-04	8.47e-05
1100	187	-3.09	0.35	-0.03	0.0	-1.52e-03	1.70e-04
1100	192	-2.83	-0.94	-0.03	0.0	-1.39e-03	1.24e-04
1100	203	-1.22	3.12	-0.03	0.0	-6.03e-04	8.36e-05
1100	219	-3.59	0.42	-0.03	0.0	-1.77e-03	1.96e-04
1100	224	-3.28	-1.13	-0.03	0.0	-1.62e-03	1.41e-04
1100	235	-1.42	3.69	-0.03	0.0	-7.03e-04	9.49e-05
1100	256	-0.14	0.03	-0.03	0.0	-7.81e-05	2.93e-05

1100	264	-0.23	9.57e-03	-0.03	0.0	-1.19e-04	3.02e-05
1100	276	-0.01	0.26	-0.03	0.0	-1.18e-05	2.13e-05
1100	298	-0.01	0.04	-0.03	0.0	-1.17e-05	1.96e-05
1100	305	-0.06	0.04	-0.03	0.0	-3.24e-05	2.05e-05
1100	307	-0.01	0.08	-0.03	0.0	-1.10e-05	1.88e-05
1100	310	-0.01	0.04	-0.03	0.0	-1.11e-05	1.86e-05
1101	28	-0.28	0.03	-0.06	0.0	-1.20e-04	3.86e-05
1101	44	-0.43	-0.01	-0.05	0.0	-1.81e-04	4.06e-05
1101	68	-0.03	0.45	-0.05	0.0	-1.94e-05	2.72e-05
1101	123	-3.48	0.34	-0.04	0.0	-1.37e-03	1.46e-04
1101	128	-3.19	-1.06	-0.04	0.0	-1.25e-03	9.61e-05
1101	139	-1.37	3.40	-0.03	0.0	-5.41e-04	8.34e-05
1101	155	-3.91	0.39	-0.04	0.0	-1.54e-03	1.63e-04
1101	160	-3.58	-1.20	-0.04	0.0	-1.41e-03	1.06e-04
1101	171	-1.53	3.83	-0.03	0.0	-6.07e-04	9.18e-05
1101	187	-3.85	0.40	-0.04	0.0	-1.51e-03	1.62e-04
1101	192	-3.52	-1.22	-0.04	0.0	-1.38e-03	1.04e-04
1101	203	-1.52	3.89	-0.03	0.0	-6.00e-04	9.08e-05
1101	219	-4.48	0.48	-0.04	0.0	-1.76e-03	1.87e-04
1101	224	-4.09	-1.45	-0.04	0.0	-1.61e-03	1.18e-04
1101	235	-1.77	4.61	-0.03	0.0	-7.00e-04	1.04e-04
1101	256	-0.18	0.02	-0.04	0.0	-8.06e-05	2.65e-05
1101	264	-0.29	-7.31e-03	-0.04	0.0	-1.21e-04	2.78e-05
1101	276	-0.02	0.30	-0.04	0.0	-1.36e-05	1.89e-05
1101	298	-0.02	0.04	-0.04	0.0	-1.34e-05	1.72e-05
1101	305	-0.07	0.03	-0.04	0.0	-3.42e-05	1.83e-05
1101	307	-0.02	0.09	-0.04	0.0	-1.26e-05	1.65e-05
1101	310	-0.02	0.04	-0.04	0.0	-1.27e-05	1.63e-05
1102	44	-0.36	9.09e-03	-0.03	0.0	-1.78e-04	3.12e-05
1102	51	-0.04	0.26	-0.04	0.0	-1.84e-05	2.22e-05
1102	68	-0.03	0.38	-0.04	0.0	-1.62e-05	2.05e-05
1102	123	-2.84	0.30	-0.02	0.0	-1.37e-03	1.17e-04
1102	137	0.42	2.03	-0.03	0.0	2.02e-04	4.45e-05
1102	139	-1.10	2.72	-0.03	0.0	-5.33e-04	6.61e-05
1102	155	-3.19	0.33	-0.02	0.0	-1.54e-03	1.30e-04
1102	169	0.47	2.29	-0.03	0.0	2.28e-04	4.88e-05
1102	171	-1.24	3.06	-0.03	0.0	-5.98e-04	7.28e-05
1102	187	-3.14	0.35	-0.02	0.0	-1.52e-03	1.30e-04
1102	201	0.46	2.36	-0.03	0.0	2.21e-04	4.94e-05
1102	203	-1.22	3.11	-0.03	0.0	-5.90e-04	7.20e-05
1102	219	-3.65	0.41	-0.02	0.0	-1.76e-03	1.50e-04
1102	233	0.53	2.81	-0.03	0.0	2.59e-04	5.63e-05
1102	235	-1.42	3.68	-0.03	0.0	-6.88e-04	8.25e-05
1102	264	-0.24	7.97e-03	-0.02	0.0	-1.19e-04	2.14e-05
1102	267	-0.03	0.18	-0.03	0.0	-1.28e-05	1.54e-05
1102	276	-0.02	0.25	-0.03	0.0	-1.13e-05	1.43e-05
1102	298	-0.02	0.04	-0.02	0.0	-1.12e-05	1.30e-05
1102	305	-0.06	0.03	-0.02	0.0	-3.21e-05	1.39e-05
1102	307	-0.02	0.08	-0.02	0.0	-1.05e-05	1.25e-05
1102	310	-0.02	0.04	-0.02	0.0	-1.06e-05	1.23e-05
1103	44	-0.45	-0.02	-0.04	0.0	-1.78e-04	2.98e-05
1103	51	-0.05	0.30	-0.06	0.0	-1.80e-05	1.99e-05
1103	68	-0.04	0.45	-0.05	0.0	-1.58e-05	1.85e-05
1103	123	-3.52	0.34	-0.03	0.0	-1.35e-03	1.17e-04
1103	137	0.52	2.53	-0.04	0.0	1.98e-04	4.97e-05
1103	139	-1.37	3.39	-0.04	0.0	-5.24e-04	7.82e-05
1103	155	-3.96	0.38	-0.03	0.0	-1.52e-03	1.31e-04
1103	169	0.58	2.87	-0.04	0.0	2.24e-04	5.48e-05
1103	171	-1.53	3.83	-0.04	0.0	-5.88e-04	8.67e-05
1103	187	-3.90	0.40	-0.03	0.0	-1.49e-03	1.30e-04
1103	201	0.57	2.95	-0.04	0.0	2.17e-04	5.54e-05
1103	203	-1.51	3.89	-0.04	0.0	-5.81e-04	8.60e-05
1103	219	-4.52	0.48	-0.03	0.0	-1.73e-03	1.51e-04
1103	233	0.66	3.52	-0.04	0.0	2.54e-04	6.36e-05
1103	235	-1.76	4.60	-0.04	0.0	-6.77e-04	9.93e-05
1103	264	-0.30	-9.70e-03	-0.03	0.0	-1.19e-04	2.04e-05
1103	267	-0.03	0.20	-0.04	0.0	-1.25e-05	1.38e-05
1103	276	-0.03	0.30	-0.03	0.0	-1.11e-05	1.29e-05
1103	298	-0.03	0.04	-0.03	0.0	-1.10e-05	1.15e-05
1103	305	-0.08	0.03	-0.03	0.0	-3.19e-05	1.26e-05
1103	307	-0.03	0.09	-0.03	0.0	-1.03e-05	1.11e-05
1103	310	-0.03	0.04	-0.03	0.0	-1.04e-05	1.09e-05
1104	44	-0.37	7.61e-03	-0.03	0.0	-1.79e-04	2.46e-05
1104	51	-0.05	0.26	-0.04	0.0	-1.83e-05	1.66e-05
1104	68	-0.04	0.38	-0.04	0.0	-1.62e-05	1.54e-05

1104	123	-2.88	0.30	-0.02	0.0	-1.37e-03	9.76e-05
1104	139	-1.10	2.71	-0.05	0.0	-5.25e-04	6.41e-05
1104	155	-3.23	0.33	-0.02	0.0	-1.54e-03	1.09e-04
1104	171	-1.23	3.06	-0.05	0.0	-5.88e-04	7.10e-05
1104	187	-3.18	0.34	-0.02	0.0	-1.52e-03	1.08e-04
1104	203	-1.22	3.11	-0.05	0.0	-5.80e-04	7.03e-05
1104	219	-3.69	0.41	-0.02	0.0	-1.76e-03	1.26e-04
1104	235	-1.42	3.68	-0.06	0.0	-6.76e-04	8.12e-05
1104	264	-0.25	6.93e-03	-0.02	0.0	-1.20e-04	1.68e-05
1104	267	-0.03	0.17	-0.03	0.0	-1.27e-05	1.15e-05
1104	276	-0.03	0.25	-0.03	0.0	-1.13e-05	1.07e-05
1104	298	-0.03	0.04	-0.02	0.0	-1.10e-05	9.63e-06
1104	305	-0.07	0.03	-0.02	0.0	-3.22e-05	1.05e-05
1104	307	-0.03	0.08	-0.02	0.0	-1.04e-05	9.26e-06
1104	310	-0.03	0.04	-0.02	0.0	-1.04e-05	9.13e-06
1105	44	-0.46	-0.02	-0.04	0.0	-1.77e-04	2.43e-05
1105	51	-0.05	0.30	-0.06	0.0	-1.60e-05	1.52e-05
1105	68	-0.05	0.45	-0.05	0.0	-1.40e-05	1.43e-05
1105	123	-3.55	0.34	-0.03	0.0	-1.34e-03	1.02e-04
1105	139	-1.36	3.39	-0.07	0.0	-5.12e-04	7.79e-05
1105	155	-3.99	0.38	-0.03	0.0	-1.51e-03	1.14e-04
1105	171	-1.52	3.82	-0.07	0.0	-5.74e-04	8.66e-05
1105	187	-3.93	0.40	-0.03	0.0	-1.48e-03	1.14e-04
1105	203	-1.50	3.89	-0.07	0.0	-5.66e-04	8.60e-05
1105	219	-4.56	0.48	-0.03	0.0	-1.72e-03	1.32e-04
1105	235	-1.75	4.60	-0.08	0.0	-6.60e-04	9.99e-05
1105	264	-0.31	-0.01	-0.03	0.0	-1.18e-04	1.66e-05
1105	267	-0.04	0.20	-0.04	0.0	-1.11e-05	1.06e-05
1105	276	-0.03	0.30	-0.04	0.0	-9.82e-06	9.93e-06
1105	298	-0.03	0.04	-0.03	0.0	-9.65e-06	8.74e-06
1105	305	-0.09	0.02	-0.03	0.0	-3.08e-05	9.77e-06
1105	307	-0.03	0.09	-0.03	0.0	-9.06e-06	8.44e-06
1105	310	-0.03	0.03	-0.03	0.0	-9.12e-06	8.28e-06
1106	44	-0.39	6.78e-03	-0.02	0.0	-1.81e-04	2.26e-05
1106	67	-0.05	0.37	-0.07	0.0	-1.58e-05	1.33e-05
1106	68	-0.05	0.38	-0.07	0.0	-1.65e-05	1.39e-05
1106	123	-2.92	0.30	-0.04	0.0	-1.38e-03	9.02e-05
1106	139	-1.10	2.71	-0.35	0.0	-5.16e-04	6.44e-05
1106	155	-3.28	0.33	-0.04	0.0	-1.55e-03	1.01e-04
1106	171	-1.23	3.06	-0.40	0.0	-5.78e-04	7.15e-05
1106	187	-3.22	0.34	-0.05	0.0	-1.52e-03	1.00e-04
1106	203	-1.21	3.11	-0.40	0.0	-5.70e-04	7.09e-05
1106	219	-3.74	0.41	-0.05	0.0	-1.77e-03	1.16e-04
1106	235	-1.41	3.68	-0.47	0.0	-6.63e-04	8.21e-05
1106	264	-0.26	6.36e-03	-0.01	0.0	-1.21e-04	1.54e-05
1106	275	-0.03	0.25	-0.05	0.0	-1.10e-05	9.25e-06
1106	276	-0.04	0.25	-0.05	0.0	-1.15e-05	9.65e-06
1106	305	-0.08	0.03	-0.02	0.0	-3.24e-05	9.45e-06
1106	307	-0.03	0.08	-0.02	0.0	-1.04e-05	8.29e-06
1106	310	-0.03	0.04	-0.02	0.0	-1.04e-05	8.17e-06
1107	44	-0.47	-0.02	-0.02	0.0	-1.76e-04	2.26e-05
1107	67	-0.06	0.45	-0.08	0.0	-1.21e-05	1.25e-05
1107	68	-0.06	0.45	-0.08	0.0	-1.26e-05	1.31e-05
1107	123	-3.59	0.34	-0.05	0.0	-1.34e-03	9.63e-05
1107	139	-1.35	3.39	-0.38	0.0	-5.00e-04	4.34e-05
1107	155	-4.04	0.38	-0.05	0.0	-1.50e-03	1.08e-04
1107	171	-1.51	3.82	-0.43	0.0	-5.61e-04	4.81e-05
1107	187	-3.97	0.40	-0.05	0.0	-1.48e-03	1.07e-04
1107	203	-1.49	3.88	-0.44	0.0	-5.52e-04	4.86e-05
1107	219	-4.61	0.48	-0.06	0.0	-1.72e-03	1.25e-04
1107	235	-1.73	4.60	-0.51	0.0	-6.43e-04	5.62e-05
1107	264	-0.32	-0.01	-0.02	0.0	-1.18e-04	1.54e-05
1107	275	-0.04	0.30	-0.06	0.0	-8.45e-06	8.72e-06
1107	276	-0.04	0.30	-0.06	0.0	-8.83e-06	9.09e-06
1107	305	-0.09	0.02	-0.02	0.0	-2.98e-05	8.94e-06
1107	307	-0.04	0.09	-0.03	0.0	-7.97e-06	7.66e-06
1107	310	-0.04	0.03	-0.02	0.0	-7.97e-06	7.50e-06
1108	28	-0.27	-0.02	-0.63	1.08e-04	-1.80e-04	4.57e-06
1108	44	-0.45	-0.06	-0.57	1.13e-04	-2.37e-04	9.54e-06
1108	68	-2.79e-04	0.50	-0.54	-8.65e-05	-7.07e-05	0.0
1108	119	-3.55	2.74	-0.71	-8.30e-04	-1.37e-03	7.36e-05
1108	124	-3.95	-0.88	-0.63	4.06e-04	-1.52e-03	3.07e-05
1108	139	-0.60	3.99	-0.52	-1.29e-03	-2.72e-04	8.82e-05
1108	151	-3.99	3.08	-0.75	-9.40e-04	-1.54e-03	8.29e-05
1108	156	-4.44	-1.00	-0.66	4.52e-04	-1.70e-03	3.44e-05

1108	171	-0.67	4.50	-0.54	-1.46e-03	-2.99e-04	9.97e-05
1108	183	-3.92	3.05	-0.74	-9.32e-04	-1.51e-03	8.11e-05
1108	188	-4.38	-1.01	-0.66	4.55e-04	-1.68e-03	3.16e-05
1108	203	-0.64	4.58	-0.54	-1.49e-03	-2.89e-04	9.99e-05
1108	215	-4.57	3.57	-0.81	-1.10e-03	-1.75e-03	9.58e-05
1108	220	-5.10	-1.20	-0.71	5.31e-04	-1.94e-03	3.50e-05
1108	235	-0.74	5.42	-0.58	-1.77e-03	-3.27e-04	1.19e-04
1108	256	-0.18	-0.01	-0.44	7.47e-05	-1.23e-04	2.83e-06
1108	264	-0.30	-0.04	-0.40	7.80e-05	-1.60e-04	6.14e-06
1108	276	-4.87e-04	0.33	-0.38	-5.48e-05	-4.94e-05	0.0
1108	298	-3.81e-03	0.02	-0.35	5.12e-05	-4.70e-05	-2.05e-06
1108	305	-0.06	7.74e-03	-0.34	5.38e-05	-6.68e-05	0.0
1108	307	-2.86e-03	0.08	-0.34	2.73e-05	-4.47e-05	-1.75e-06
1108	310	-3.59e-03	0.02	-0.34	4.92e-05	-4.47e-05	-2.10e-06
1109	28	-0.29	0.02	-0.30	0.0	-1.58e-04	4.22e-05
1109	44	-0.47	-0.03	-0.27	0.0	-2.17e-04	4.47e-05
1109	68	-0.01	0.53	-0.26	0.0	-5.03e-05	2.99e-05
1109	119	-3.57	2.75	-0.27	0.0	-1.33e-03	8.84e-05
1109	124	-4.00	-0.86	-0.25	0.0	-1.47e-03	7.71e-05
1109	139	-0.62	4.01	-0.21	0.0	-2.61e-04	1.04e-04
1109	151	-4.00	3.09	-0.28	0.0	-1.49e-03	9.69e-05
1109	156	-4.50	-0.98	-0.26	0.0	-1.65e-03	8.42e-05
1109	171	-0.69	4.52	-0.22	0.0	-2.88e-04	1.15e-04
1109	183	-3.94	3.07	-0.28	0.0	-1.46e-03	9.40e-05
1109	188	-4.43	-0.99	-0.26	0.0	-1.63e-03	8.09e-05
1109	203	-0.67	4.60	-0.22	0.0	-2.80e-04	1.14e-04
1109	215	-4.59	3.59	-0.30	0.0	-1.70e-03	1.07e-04
1109	220	-5.15	-1.18	-0.27	0.0	-1.89e-03	8.93e-05
1109	235	-0.77	5.44	-0.23	0.0	-3.19e-04	1.32e-04
1109	256	-0.19	0.01	-0.21	0.0	-1.07e-04	2.89e-05
1109	264	-0.31	-0.02	-0.19	0.0	-1.46e-04	3.06e-05
1109	276	-7.50e-03	0.35	-0.18	0.0	-3.50e-05	2.07e-05
1109	298	-9.84e-03	0.04	-0.17	0.0	-3.36e-05	1.84e-05
1109	305	-0.07	0.03	-0.16	0.0	-5.40e-05	1.97e-05
1109	307	-8.70e-03	0.10	-0.16	0.0	-3.18e-05	1.77e-05
1109	310	-9.25e-03	0.04	-0.16	0.0	-3.18e-05	1.74e-05
1110	28	-0.36	-0.07	-0.84	4.43e-04	-6.22e-05	1.97e-05
1110	44	-0.56	-0.11	-0.76	4.00e-04	-1.08e-04	2.28e-05
1110	71	-0.03	0.54	-0.55	2.91e-04	1.01e-05	9.40e-06
1110	119	-4.21	3.11	-0.88	4.01e-04	-1.04e-03	-2.33e-04
1110	124	-4.67	-1.06	-0.75	3.32e-04	-1.16e-03	-1.75e-04
1110	138	0.69	-4.58	-0.22	1.40e-04	1.43e-04	0.0
1110	151	-4.73	3.50	-0.93	4.19e-04	-1.17e-03	-2.62e-04
1110	156	-5.25	-1.20	-0.79	3.42e-04	-1.31e-03	-1.97e-04
1110	170	0.77	-5.17	-0.19	1.27e-04	1.59e-04	-2.14e-06
1110	183	-4.65	3.47	-0.92	4.17e-04	-1.15e-03	-2.53e-04
1110	188	-5.17	-1.21	-0.79	3.41e-04	-1.29e-03	-1.90e-04
1110	202	0.74	-5.26	-0.19	1.26e-04	1.49e-04	-5.42e-06
1110	212	-6.02	1.42	-0.92	4.01e-04	-1.53e-03	-4.07e-04
1110	215	-5.41	4.07	-1.00	4.45e-04	-1.34e-03	-2.96e-04
1110	234	0.86	-6.23	-0.14	1.04e-04	1.69e-04	-9.10e-06
1110	256	-0.24	-0.05	-0.59	3.09e-04	-4.16e-05	1.35e-05
1110	264	-0.38	-0.08	-0.53	2.80e-04	-7.21e-05	1.55e-05
1110	275	-0.02	0.36	-0.50	2.68e-04	6.63e-06	7.91e-06
1110	298	-0.03	-4.59e-03	-0.48	2.59e-04	1.89e-06	7.04e-06
1110	305	-0.10	-0.02	-0.46	2.50e-04	-1.32e-05	8.27e-06
1110	307	-0.03	0.07	-0.46	2.51e-04	2.50e-06	6.81e-06
1110	309	-0.02	-7.46e-03	-0.33	1.87e-04	0.0	4.21e-06
1110	310	-0.03	-5.00e-03	-0.46	2.49e-04	1.55e-06	6.64e-06
1111	28	-0.37	-0.07	-0.38	4.13e-04	-6.22e-05	1.72e-05
1111	44	-0.57	-0.11	-0.34	3.75e-04	-1.08e-04	2.10e-05
1111	71	-0.03	0.54	-0.25	2.68e-04	1.01e-05	7.21e-06
1111	119	-4.18	3.10	-0.33	4.01e-04	-1.04e-03	-7.65e-05
1111	124	-4.68	-1.06	-0.30	3.46e-04	-1.16e-03	-5.79e-06
1111	138	0.69	-4.57	-0.15	1.27e-04	1.43e-04	-3.74e-05
1111	151	-4.69	3.49	-0.34	4.22e-04	-1.17e-03	-8.64e-05
1111	156	-5.25	-1.20	-0.31	3.61e-04	-1.31e-03	-7.48e-06
1111	170	0.78	-5.16	-0.14	1.14e-04	1.59e-04	-4.31e-05
1111	183	-4.61	3.46	-0.34	4.19e-04	-1.15e-03	-8.44e-05
1111	188	-5.18	-1.21	-0.31	3.59e-04	-1.29e-03	-9.78e-06
1111	202	0.75	-5.25	-0.14	1.15e-04	1.49e-04	-4.40e-05
1111	215	-5.37	4.06	-0.36	4.51e-04	-1.34e-03	-9.95e-05
1111	220	-6.02	-1.44	-0.33	3.80e-04	-1.50e-03	-1.45e-05
1111	234	0.87	-6.22	-0.13	9.47e-05	1.69e-04	-5.32e-05
1111	256	-0.25	-0.05	-0.26	2.88e-04	-4.16e-05	1.17e-05

1111	264	-0.38	-0.08	-0.24	2.62e-04	-7.21e-05	1.42e-05
1111	275	-0.03	0.36	-0.22	2.46e-04	6.63e-06	6.02e-06
1111	298	-0.03	-5.30e-03	-0.21	2.39e-04	1.89e-06	5.28e-06
1111	305	-0.10	-0.02	-0.21	2.31e-04	-1.32e-05	6.71e-06
1111	307	-0.03	0.07	-0.20	2.30e-04	2.50e-06	5.11e-06
1111	309	-0.02	-7.96e-03	-0.14	1.70e-04	0.0	3.09e-06
1111	310	-0.03	-5.68e-03	-0.20	2.29e-04	1.55e-06	4.96e-06
1112	28	-0.31	8.32e-05	-0.13	0.0	-1.36e-04	3.92e-05
1112	44	-0.49	-0.04	-0.12	0.0	-1.96e-04	4.16e-05
1112	68	-0.03	0.51	-0.11	0.0	-3.20e-05	2.76e-05
1112	116	-3.94	1.08	-0.10	0.0	-1.37e-03	2.69e-05
1112	124	-4.05	-0.87	-0.10	0.0	-1.41e-03	6.48e-05
1112	139	-0.65	3.99	-0.08	0.0	-2.38e-04	9.82e-05
1112	148	-4.42	1.20	-0.10	0.0	-1.54e-03	2.76e-05
1112	156	-4.56	-0.99	-0.10	0.0	-1.58e-03	7.06e-05
1112	171	-0.72	4.51	-0.08	0.0	-2.64e-04	1.09e-04
1112	180	-4.35	1.13	-0.10	0.0	-1.51e-03	2.36e-05
1112	188	-4.49	-1.00	-0.10	0.0	-1.55e-03	6.76e-05
1112	203	-0.70	4.58	-0.08	0.0	-2.56e-04	1.08e-04
1112	212	-5.08	1.29	-0.11	0.0	-1.76e-03	2.33e-05
1112	220	-5.22	-1.19	-0.10	0.0	-1.80e-03	7.40e-05
1112	235	-0.80	5.42	-0.08	0.0	-2.94e-04	1.25e-04
1112	256	-0.21	1.06e-03	-0.09	0.0	-9.14e-05	2.69e-05
1112	264	-0.33	-0.03	-0.08	0.0	-1.32e-04	2.85e-05
1112	276	-0.02	0.34	-0.08	0.0	-2.23e-05	1.91e-05
1112	298	-0.02	0.03	-0.08	0.0	-2.17e-05	1.71e-05
1112	305	-0.08	0.02	-0.07	0.0	-4.24e-05	1.84e-05
1112	307	-0.02	0.09	-0.07	0.0	-2.05e-05	1.65e-05
1112	310	-0.02	0.03	-0.07	0.0	-2.06e-05	1.63e-05
1113	28	-0.38	-0.07	-0.19	2.89e-04	-6.22e-05	1.67e-05
1113	44	-0.59	-0.11	-0.16	2.63e-04	-1.08e-04	2.04e-05
1113	71	-0.03	0.54	-0.12	1.83e-04	1.01e-05	7.01e-06
1113	116	-4.56	1.19	-0.13	2.66e-04	-1.18e-03	-1.41e-04
1113	124	-4.69	-1.06	-0.13	2.59e-04	-1.16e-03	0.0
1113	138	0.69	-4.56	-0.10	1.46e-04	1.43e-04	-3.80e-05
1113	148	-5.11	1.32	-0.13	2.79e-04	-1.32e-03	-1.60e-04
1113	156	-5.27	-1.20	-0.13	2.71e-04	-1.31e-03	-1.18e-06
1113	170	0.78	-5.15	-0.10	1.44e-04	1.59e-04	-4.36e-05
1113	180	-5.04	1.25	-0.13	2.77e-04	-1.31e-03	-1.59e-04
1113	188	-5.19	-1.21	-0.13	2.70e-04	-1.29e-03	-3.61e-06
1113	202	0.75	-5.24	-0.10	1.44e-04	1.49e-04	-4.45e-05
1113	212	-5.88	1.42	-0.13	2.96e-04	-1.53e-03	-1.89e-04
1113	220	-6.03	-1.43	-0.13	2.87e-04	-1.50e-03	-7.26e-06
1113	234	0.88	-6.21	-0.09	1.42e-04	1.69e-04	-5.37e-05
1113	256	-0.25	-0.05	-0.13	2.02e-04	-4.16e-05	1.14e-05
1113	264	-0.39	-0.08	-0.11	1.84e-04	-7.21e-05	1.38e-05
1113	275	-0.03	0.36	-0.11	1.68e-04	6.63e-06	5.88e-06
1113	298	-0.03	-4.90e-03	-0.11	1.66e-04	1.89e-06	5.17e-06
1113	305	-0.10	-0.02	-0.10	1.61e-04	-1.32e-05	6.56e-06
1113	307	-0.03	0.07	-0.10	1.60e-04	2.50e-06	5.02e-06
1113	309	-0.02	-7.70e-03	-0.06	1.18e-04	0.0	3.10e-06
1113	310	-0.03	-5.30e-03	-0.10	1.59e-04	1.55e-06	4.88e-06
1114	28	-0.33	-8.71e-03	-0.08	0.0	-1.22e-04	2.99e-05
1114	44	-0.51	-0.05	-0.07	0.0	-1.84e-04	3.26e-05
1114	68	-0.04	0.51	-0.07	0.0	-2.11e-05	2.00e-05
1114	123	-4.09	0.37	-0.05	0.0	-1.36e-03	1.24e-04
1114	128	-3.75	-1.29	-0.05	0.0	-1.25e-03	6.37e-05
1114	139	-1.61	3.99	-0.04	0.0	-5.39e-04	9.36e-05
1114	155	-4.60	0.42	-0.05	0.0	-1.53e-03	1.38e-04
1114	160	-4.21	-1.46	-0.05	0.0	-1.40e-03	7.01e-05
1114	171	-1.81	4.50	-0.04	0.0	-6.05e-04	1.04e-04
1114	187	-4.53	0.44	-0.05	0.0	-1.50e-03	1.38e-04
1114	203	-1.79	4.57	-0.04	0.0	-5.98e-04	1.03e-04
1114	208	-0.77	-4.07	-0.05	0.0	-2.61e-04	-3.64e-05
1114	219	-5.26	0.53	-0.05	0.0	-1.75e-03	1.60e-04
1114	235	-2.08	5.42	-0.04	0.0	-6.97e-04	1.20e-04
1114	240	-0.89	-4.84	-0.05	0.0	-2.98e-04	-4.56e-05
1114	256	-0.22	-5.05e-03	-0.06	0.0	-8.22e-05	2.05e-05
1114	264	-0.34	-0.03	-0.05	0.0	-1.23e-04	2.23e-05
1114	276	-0.03	0.34	-0.05	0.0	-1.47e-05	1.39e-05
1114	298	-0.03	0.03	-0.05	0.0	-1.46e-05	1.24e-05
1114	305	-0.09	0.01	-0.05	0.0	-3.54e-05	1.36e-05
1114	307	-0.03	0.09	-0.05	0.0	-1.37e-05	1.19e-05
1114	310	-0.03	0.02	-0.05	0.0	-1.38e-05	1.17e-05
1115	28	-0.39	-0.07	-0.12	1.80e-04	-6.22e-05	1.59e-05

1115	44	-0.60	-0.11	-0.10	1.65e-04	-1.08e-04	1.96e-05
1115	71	-0.04	0.54	-0.08	1.06e-04	1.01e-05	6.61e-06
1115	123	-4.70	0.38	-0.07	1.52e-04	-9.98e-04	9.41e-05
1115	138	1.79	-4.56	-0.07	1.22e-04	1.43e-04	-3.77e-05
1115	144	-0.82	-4.09	-0.07	1.54e-04	-5.10e-04	-5.50e-05
1115	155	-5.28	0.43	-0.07	1.59e-04	-1.12e-03	1.06e-04
1115	170	2.01	-5.15	-0.07	1.25e-04	1.59e-04	-4.32e-05
1115	176	-0.92	-4.62	-0.07	1.61e-04	-5.75e-04	-6.27e-05
1115	187	-5.20	0.45	-0.07	1.57e-04	-1.10e-03	1.06e-04
1115	202	1.99	-5.23	-0.07	1.26e-04	1.49e-04	-4.40e-05
1115	208	-0.89	-4.72	-0.07	1.62e-04	-5.73e-04	-6.32e-05
1115	219	-6.04	0.55	-0.07	1.67e-04	-1.27e-03	1.25e-04
1115	234	2.33	-6.20	-0.07	1.32e-04	1.69e-04	-5.32e-05
1115	240	-1.02	-5.61	-0.07	1.74e-04	-6.72e-04	-7.58e-05
1115	256	-0.26	-0.05	-0.08	1.26e-04	-4.16e-05	1.08e-05
1115	264	-0.40	-0.08	-0.07	1.15e-04	-7.21e-05	1.33e-05
1115	275	-0.03	0.36	-0.07	9.96e-05	6.63e-06	5.54e-06
1115	298	-0.04	-4.60e-03	-0.07	1.03e-04	1.88e-06	4.85e-06
1115	305	-0.11	-0.02	-0.06	9.97e-05	-1.32e-05	6.22e-06
1115	307	-0.03	0.07	-0.06	9.78e-05	2.50e-06	4.72e-06
1115	309	-0.02	-7.52e-03	-0.04	7.30e-05	0.0	2.94e-06
1115	310	-0.03	-5.02e-03	-0.06	9.85e-05	1.55e-06	4.58e-06
1116	44	-0.53	-0.06	-0.06	0.0	-1.78e-04	2.58e-05
1116	51	-0.05	0.32	-0.07	0.0	-1.77e-05	1.56e-05
1116	68	-0.05	0.50	-0.06	0.0	-1.54e-05	1.46e-05
1116	123	-4.12	0.37	-0.04	0.0	-1.33e-03	1.08e-04
1116	139	-1.60	3.98	-0.04	0.0	-5.18e-04	5.03e-05
1116	141	0.67	3.56	-0.04	0.0	2.17e-04	5.39e-05
1116	155	-4.63	0.41	-0.04	0.0	-1.50e-03	1.21e-04
1116	171	-1.79	4.49	-0.04	0.0	-5.81e-04	5.58e-05
1116	173	0.76	4.03	-0.05	0.0	2.45e-04	5.98e-05
1116	187	-4.56	0.43	-0.04	0.0	-1.47e-03	1.21e-04
1116	203	-1.77	4.57	-0.04	0.0	-5.74e-04	5.65e-05
1116	205	0.74	4.11	-0.05	0.0	2.38e-04	6.02e-05
1116	219	-5.30	0.52	-0.04	0.0	-1.71e-03	1.41e-04
1116	235	-2.06	5.41	-0.05	0.0	-6.69e-04	6.53e-05
1116	237	0.86	4.88	-0.05	0.0	2.77e-04	6.99e-05
1116	264	-0.35	-0.04	-0.04	0.0	-1.19e-04	1.76e-05
1116	267	-0.04	0.21	-0.05	0.0	-1.23e-05	1.08e-05
1116	276	-0.03	0.33	-0.04	0.0	-1.08e-05	1.02e-05
1116	298	-0.03	0.02	-0.04	0.0	-1.08e-05	8.87e-06
1116	305	-0.09	8.88e-03	-0.04	0.0	-3.18e-05	1.01e-05
1116	307	-0.03	0.08	-0.04	0.0	-1.01e-05	8.58e-06
1116	310	-0.03	0.02	-0.04	0.0	-1.02e-05	8.41e-06
1117	44	-0.61	-0.11	-0.08	1.03e-04	-1.08e-04	1.89e-05
1117	51	-0.06	0.32	-0.10	9.18e-05	8.76e-06	8.69e-06
1117	71	-0.04	0.54	-0.07	5.33e-05	1.01e-05	6.75e-06
1117	123	-4.71	0.38	-0.05	8.51e-05	-9.98e-04	9.46e-05
1117	138	1.76	-4.56	-0.05	1.49e-04	1.43e-04	-3.91e-05
1117	141	0.77	4.08	-0.06	-4.89e-05	5.13e-04	6.46e-05
1117	155	-5.30	0.43	-0.05	8.81e-05	-1.12e-03	1.06e-04
1117	170	1.98	-5.15	-0.05	1.60e-04	1.59e-04	-4.48e-05
1117	173	0.87	4.61	-0.06	-6.31e-05	5.78e-04	7.24e-05
1117	187	-5.21	0.45	-0.05	8.69e-05	-1.10e-03	1.07e-04
1117	202	1.95	-5.23	-0.05	1.63e-04	1.49e-04	-4.56e-05
1117	205	0.85	4.71	-0.06	-6.55e-05	5.76e-04	7.29e-05
1117	219	-6.06	0.55	-0.05	9.05e-05	-1.27e-03	1.25e-04
1117	234	2.29	-6.20	-0.05	1.83e-04	1.69e-04	-5.50e-05
1117	237	0.98	5.60	-0.06	-8.88e-05	6.75e-04	8.56e-05
1117	264	-0.41	-0.08	-0.06	7.21e-05	-7.21e-05	1.28e-05
1117	267	-0.04	0.21	-0.07	6.45e-05	5.73e-06	6.02e-06
1117	275	-0.04	0.36	-0.06	5.30e-05	6.63e-06	5.61e-06
1117	298	-0.04	-4.44e-03	-0.06	6.26e-05	1.88e-06	4.69e-06
1117	305	-0.11	-0.02	-0.05	6.11e-05	-1.32e-05	6.01e-06
1117	307	-0.04	0.07	-0.06	5.81e-05	2.50e-06	4.62e-06
1117	309	-0.02	-7.42e-03	-0.03	4.46e-05	0.0	2.87e-06
1117	310	-0.04	-4.87e-03	-0.06	6.00e-05	1.55e-06	4.43e-06
1118	44	-0.54	-0.06	-0.05	0.0	-1.75e-04	2.22e-05
1118	51	-0.06	0.32	-0.08	0.0	-1.43e-05	1.26e-05
1118	67	-0.05	0.50	-0.07	0.0	-1.19e-05	1.15e-05
1118	123	-4.15	0.36	-0.04	0.0	-1.32e-03	1.00e-04
1118	139	-1.59	3.98	-0.09	0.0	-5.03e-04	4.73e-05
1118	155	-4.66	0.41	-0.04	0.0	-1.48e-03	1.12e-04
1118	171	-1.78	4.49	-0.09	0.0	-5.65e-04	5.26e-05
1118	187	-4.58	0.43	-0.04	0.0	-1.46e-03	1.12e-04

1118	203	-1.75	4.57	-0.09	0.0	-5.57e-04	5.32e-05
1118	219	-5.32	0.52	-0.04	0.0	-1.69e-03	1.31e-04
1118	235	-2.04	5.41	-0.11	0.0	-6.49e-04	6.18e-05
1118	264	-0.36	-0.04	-0.04	0.0	-1.17e-04	1.51e-05
1118	267	-0.04	0.21	-0.05	0.0	-9.95e-06	8.76e-06
1118	275	-0.04	0.33	-0.05	0.0	-8.38e-06	8.03e-06
1118	298	-0.04	0.02	-0.04	0.0	-8.68e-06	7.09e-06
1118	305	-0.10	7.10e-03	-0.04	0.0	-2.98e-05	8.26e-06
1118	307	-0.03	0.08	-0.04	0.0	-8.13e-06	6.91e-06
1118	310	-0.03	0.02	-0.04	0.0	-8.19e-06	6.72e-06
1119	44	-0.62	-0.11	-0.08	7.47e-05	-1.08e-04	1.79e-05
1119	51	-0.07	0.32	-0.11	5.47e-05	8.76e-06	8.40e-06
1119	71	-0.04	0.54	-0.08	2.19e-05	1.01e-05	6.81e-06
1119	123	-4.73	0.38	-0.06	4.83e-05	-9.98e-04	9.56e-05
1119	138	1.73	-4.56	9.52e-03	1.94e-04	1.43e-04	-3.96e-05
1119	139	-1.81	4.55	-0.12	-1.10e-04	-1.40e-04	4.79e-05
1119	155	-5.31	0.43	-0.06	4.89e-05	-1.12e-03	1.07e-04
1119	170	1.95	-5.15	0.02	2.14e-04	1.59e-04	-4.54e-05
1119	171	-2.03	5.14	-0.13	-1.30e-04	-1.56e-04	5.37e-05
1119	187	-5.23	0.45	-0.06	4.75e-05	-1.10e-03	1.08e-04
1119	202	1.92	-5.23	0.02	2.19e-04	1.49e-04	-4.61e-05
1119	203	-2.00	5.23	-0.13	-1.36e-04	-1.46e-04	5.44e-05
1119	219	-6.07	0.56	-0.06	4.72e-05	-1.27e-03	1.27e-04
1119	234	2.25	-6.20	0.03	2.53e-04	1.69e-04	-5.54e-05
1119	235	-2.33	6.19	-0.14	-1.69e-04	-1.66e-04	6.38e-05
1119	264	-0.41	-0.08	-0.06	5.21e-05	-7.21e-05	1.22e-05
1119	267	-0.05	0.21	-0.07	3.88e-05	5.73e-06	5.82e-06
1119	275	-0.04	0.36	-0.07	2.68e-05	6.63e-06	5.61e-06
1119	298	-0.04	-4.36e-03	-0.06	4.34e-05	1.88e-06	4.39e-06
1119	305	-0.11	-0.02	-0.05	4.28e-05	-1.32e-05	5.67e-06
1119	307	-0.04	0.07	-0.06	3.83e-05	2.50e-06	4.40e-06
1119	309	-0.02	-7.38e-03	-0.03	3.09e-05	0.0	2.76e-06
1119	310	-0.04	-4.79e-03	-0.05	4.17e-05	1.55e-06	4.16e-06
1120	44	-0.55	-0.06	-0.03	0.0	-1.73e-04	2.09e-05
1120	67	-0.06	0.50	-0.09	0.0	-9.59e-06	1.07e-05
1120	123	-4.18	0.36	-0.05	0.0	-1.31e-03	9.74e-05
1120	139	-1.57	3.98	-0.39	0.0	-4.90e-04	4.61e-05
1120	155	-4.70	0.41	-0.05	0.0	-1.47e-03	1.09e-04
1120	171	-1.76	4.49	-0.44	0.0	-5.50e-04	5.13e-05
1120	187	-4.62	0.43	-0.06	0.0	-1.45e-03	1.09e-04
1120	203	-1.73	4.56	-0.45	0.0	-5.41e-04	5.19e-05
1120	219	-5.36	0.52	-0.06	0.0	-1.68e-03	1.28e-04
1120	235	-2.01	5.41	-0.53	0.0	-6.31e-04	6.03e-05
1120	264	-0.37	-0.04	-0.02	0.0	-1.15e-04	1.42e-05
1120	275	-0.04	0.33	-0.06	0.0	-6.72e-06	7.46e-06
1120	305	-0.10	5.88e-03	-0.03	0.0	-2.80e-05	7.61e-06
1120	307	-0.04	0.08	-0.04	0.0	-6.32e-06	6.32e-06
1120	310	-0.04	0.02	-0.03	0.0	-6.31e-06	6.12e-06
1121	44	-0.63	-0.11	-0.05	7.81e-05	-1.08e-04	1.78e-05
1121	67	-0.06	0.54	-0.12	3.23e-05	1.01e-05	8.14e-06
1121	71	-0.05	0.54	-0.11	1.77e-05	1.01e-05	6.87e-06
1121	123	-4.76	0.38	-0.06	4.04e-05	-9.98e-04	9.65e-05
1121	138	1.70	-4.56	0.31	2.98e-04	1.43e-04	-3.86e-05
1121	139	-1.78	4.55	-0.40	-2.11e-04	-1.40e-04	4.68e-05
1121	155	-5.35	0.43	-0.07	3.97e-05	-1.12e-03	1.08e-04
1121	170	1.92	-5.15	0.36	3.31e-04	1.59e-04	-4.42e-05
1121	171	-2.00	5.14	-0.44	-2.44e-04	-1.56e-04	5.24e-05
1121	187	-5.26	0.45	-0.07	3.81e-05	-1.10e-03	1.09e-04
1121	202	1.89	-5.23	0.36	3.36e-04	1.49e-04	-4.47e-05
1121	203	-1.97	5.22	-0.45	-2.49e-04	-1.46e-04	5.29e-05
1121	219	-6.11	0.56	-0.08	3.56e-05	-1.27e-03	1.28e-04
1121	234	2.21	-6.20	0.44	3.91e-04	1.69e-04	-5.38e-05
1121	235	-2.29	6.19	-0.53	-3.04e-04	-1.66e-04	6.20e-05
1121	264	-0.42	-0.08	-0.04	5.44e-05	-7.21e-05	1.21e-05
1121	275	-0.04	0.36	-0.08	2.38e-05	6.63e-06	5.65e-06
1121	305	-0.12	-0.02	-0.04	4.48e-05	-1.32e-05	5.60e-06
1121	307	-0.04	0.07	-0.05	3.91e-05	2.50e-06	4.36e-06
1121	309	-0.03	-7.35e-03	-0.02	3.06e-05	0.0	2.76e-06
1121	310	-0.04	-4.74e-03	-0.04	4.35e-05	1.55e-06	4.09e-06
1122	18	0.06	0.03	-0.07	-4.18e-05	0.0	-2.42e-05
1122	28	-7.12e-03	0.01	-0.09	-1.73e-05	0.0	-2.96e-05
1122	68	0.03	0.10	-0.07	-1.86e-04	0.0	-2.11e-05
1122	119	-0.52	0.48	-0.08	-9.49e-04	0.0	-2.65e-05
1122	121	0.57	0.15	-0.04	-3.08e-04	0.0	1.91e-05
1122	139	-0.21	0.69	-0.08	-1.38e-03	0.0	2.47e-05

1122	151	-0.59	0.54	-0.08	-1.07e-03	0.0	-2.78e-05
1122	153	0.64	0.17	-0.04	-3.46e-04	0.0	2.35e-05
1122	171	-0.24	0.78	-0.08	-1.55e-03	0.0	3.00e-05
1122	185	0.63	0.17	-0.04	-3.50e-04	0.0	2.36e-05
1122	203	-0.24	0.79	-0.08	-1.58e-03	0.0	3.09e-05
1122	209	0.73	-0.21	-0.02	4.10e-04	0.0	3.55e-05
1122	235	-0.28	0.94	-0.09	-1.87e-03	0.0	3.99e-05
1122	251	0.04	0.02	-0.05	-2.87e-05	0.0	-1.70e-05
1122	256	-3.96e-03	0.01	-0.06	-1.23e-05	0.0	-2.06e-05
1122	276	0.02	0.07	-0.05	-1.25e-04	0.0	-1.49e-05
1122	298	0.02	0.01	-0.05	-1.91e-05	0.0	-1.66e-05
1122	303	0.02	0.01	-0.05	-1.99e-05	0.0	-1.58e-05
1122	307	0.02	0.02	-0.05	-3.91e-05	0.0	-1.54e-05
1122	310	0.02	0.01	-0.05	-1.81e-05	0.0	-1.59e-05
1123	1	0.0	0.0	0.0	-2.71e-05	0.0	-4.30e-06
1123	113	0.0	0.0	0.0	3.41e-04	0.0	0.0
1123	145	0.0	0.0	0.0	3.83e-04	0.0	0.0
1123	177	0.0	0.0	0.0	3.60e-04	0.0	0.0
1123	209	0.0	0.0	0.0	4.12e-04	0.0	1.48e-06
1123	241	0.0	0.0	0.0	-1.90e-05	0.0	-3.11e-06
1123	297	0.0	0.0	0.0	-1.39e-05	0.0	-3.25e-06
1123	309	0.0	0.0	0.0	-1.39e-05	0.0	-3.25e-06
1124	28	-0.03	0.02	-0.15	-7.36e-06	0.0	-4.63e-05
1124	45	-0.11	-0.01	-0.06	2.01e-05	0.0	-1.88e-05
1124	68	0.04	0.19	-0.13	-1.79e-04	0.0	-3.47e-05
1124	119	-1.02	0.95	-0.14	-9.38e-04	0.0	-4.21e-05
1124	121	1.19	0.31	-0.06	-3.12e-04	0.0	2.44e-05
1124	139	-0.15	1.38	-0.14	-1.37e-03	0.0	4.27e-05
1124	151	-1.15	1.07	-0.15	-1.05e-03	0.0	-4.41e-05
1124	153	1.34	0.35	-0.06	-3.51e-04	0.0	3.08e-05
1124	171	-0.17	1.56	-0.14	-1.55e-03	0.0	5.15e-05
1124	183	-1.13	1.06	-0.15	-1.05e-03	0.0	-4.40e-05
1124	185	1.32	0.35	-0.06	-3.55e-04	0.0	3.12e-05
1124	203	-0.16	1.58	-0.14	-1.58e-03	0.0	5.28e-05
1124	215	-1.32	1.24	-0.16	-1.22e-03	0.0	-4.72e-05
1124	217	1.53	0.41	-0.06	-4.20e-04	0.0	4.16e-05
1124	235	-0.19	1.87	-0.16	-1.86e-03	0.0	6.77e-05
1124	251	0.07	0.03	-0.09	-2.34e-05	0.0	-2.77e-05
1124	256	-0.02	0.02	-0.10	-5.44e-06	0.0	-3.23e-05
1124	276	0.03	0.13	-0.09	-1.20e-04	0.0	-2.45e-05
1124	298	0.03	0.02	-0.08	-1.37e-05	0.0	-2.65e-05
1124	303	0.04	0.02	-0.08	-1.48e-05	0.0	-2.53e-05
1124	307	0.03	0.04	-0.08	-3.41e-05	0.0	-2.47e-05
1124	310	0.03	0.02	-0.08	-1.30e-05	0.0	-2.54e-05
1125	28	-0.06	0.03	-0.20	6.84e-06	0.0	-5.75e-05
1125	45	-0.18	-0.02	-0.08	2.65e-05	0.0	-2.18e-05
1125	68	0.06	0.28	-0.18	-1.69e-04	0.0	-4.56e-05
1125	119	-1.60	1.42	-0.20	-9.22e-04	0.0	-5.68e-05
1125	121	1.86	0.47	-0.08	-3.15e-04	0.0	1.97e-05
1125	139	-0.24	2.07	-0.19	-1.36e-03	0.0	4.64e-05
1125	151	-1.80	1.60	-0.21	-1.04e-03	0.0	-5.99e-05
1125	153	2.09	0.52	-0.08	-3.55e-04	0.0	2.63e-05
1125	171	-0.27	2.33	-0.20	-1.54e-03	0.0	5.65e-05
1125	183	-1.77	1.58	-0.21	-1.03e-03	0.0	-5.97e-05
1125	185	2.06	0.53	-0.08	-3.59e-04	0.0	2.71e-05
1125	203	-0.26	2.37	-0.20	-1.57e-03	0.0	5.79e-05
1125	215	-2.07	1.85	-0.23	-1.20e-03	0.0	-6.44e-05
1125	217	2.39	0.63	-0.07	-4.27e-04	0.0	3.83e-05
1125	235	-0.30	2.81	-0.22	-1.85e-03	0.0	7.51e-05
1125	256	-0.04	0.02	-0.14	4.44e-06	0.0	-4.01e-05
1125	261	-0.11	-8.67e-03	-0.09	1.65e-05	0.0	-2.39e-05
1125	276	0.04	0.19	-0.12	-1.13e-04	0.0	-3.22e-05
1125	298	0.04	0.03	-0.12	-5.92e-06	0.0	-3.37e-05
1125	303	0.05	0.03	-0.11	-7.41e-06	0.0	-3.23e-05
1125	307	0.04	0.06	-0.11	-2.68e-05	0.0	-3.15e-05
1125	310	0.04	0.03	-0.11	-5.48e-06	0.0	-3.23e-05
1126	18	0.06	0.01	-0.04	-2.63e-05	0.0	-2.11e-05
1126	52	0.03	0.06	-0.05	-1.11e-04	0.0	-2.25e-05
1126	68	0.03	0.09	-0.04	-1.72e-04	0.0	-1.87e-05
1126	121	0.57	0.16	-0.04	-3.15e-04	0.0	1.01e-05
1126	139	-0.21	0.70	-0.04	-1.39e-03	0.0	1.86e-05
1126	141	0.10	0.63	-0.05	-1.25e-03	0.0	2.84e-05
1126	153	0.64	0.18	-0.04	-3.55e-04	0.0	1.32e-05
1126	171	-0.24	0.79	-0.04	-1.57e-03	0.0	2.27e-05
1126	173	0.11	0.71	-0.05	-1.41e-03	0.0	3.38e-05

1126	185	0.63	0.18	-0.04	-3.59e-04	0.0	1.34e-05
1126	203	-0.24	0.81	-0.04	-1.60e-03	0.0	2.33e-05
1126	205	0.11	0.73	-0.05	-1.44e-03	0.0	3.43e-05
1126	209	0.73	-0.20	-0.04	3.93e-04	0.0	2.85e-05
1126	235	-0.28	0.95	-0.05	-1.90e-03	0.0	3.03e-05
1126	237	0.12	0.86	-0.05	-1.71e-03	0.0	4.33e-05
1126	251	0.04	0.01	-0.03	-1.78e-05	0.0	-1.48e-05
1126	268	0.02	0.04	-0.03	-7.44e-05	0.0	-1.57e-05
1126	276	0.02	0.06	-0.03	-1.15e-04	0.0	-1.32e-05
1126	298	0.02	5.55e-03	-0.03	-8.90e-06	0.0	-1.42e-05
1126	303	0.02	6.09e-03	-0.03	-1.01e-05	0.0	-1.35e-05
1126	307	0.02	0.02	-0.03	-2.96e-05	0.0	-1.32e-05
1126	310	0.02	5.22e-03	-0.03	-8.34e-06	0.0	-1.36e-05
1127	1	0.0	0.0	0.0	-1.57e-05	0.0	-3.04e-06
1127	113	0.0	0.0	0.0	3.31e-04	0.0	0.0
1127	145	0.0	0.0	0.0	3.70e-04	0.0	1.25e-06
1127	177	0.0	0.0	0.0	3.47e-04	0.0	1.32e-06
1127	209	0.0	0.0	0.0	3.94e-04	0.0	2.15e-06
1127	241	0.0	0.0	0.0	-1.08e-05	0.0	-2.19e-06
1127	297	0.0	0.0	0.0	-5.54e-06	0.0	-2.24e-06
1127	309	0.0	0.0	0.0	-5.54e-06	0.0	-2.24e-06
1128	45	-0.11	-0.02	-0.03	2.42e-05	0.0	-1.65e-05
1128	52	0.05	0.11	-0.10	-1.07e-04	0.0	-3.91e-05
1128	68	0.04	0.17	-0.09	-1.69e-04	0.0	-3.27e-05
1128	121	1.19	0.32	-0.08	-3.14e-04	0.0	1.75e-05
1128	139	-0.15	1.40	-0.08	-1.38e-03	0.0	3.47e-05
1128	141	0.51	1.25	-0.09	-1.24e-03	0.0	5.22e-05
1128	153	1.34	0.36	-0.09	-3.53e-04	0.0	2.27e-05
1128	171	-0.17	1.58	-0.08	-1.56e-03	0.0	4.22e-05
1128	173	0.57	1.42	-0.10	-1.40e-03	0.0	6.19e-05
1128	185	1.32	0.36	-0.09	-3.58e-04	0.0	2.31e-05
1128	203	-0.16	1.61	-0.09	-1.59e-03	0.0	4.32e-05
1128	205	0.57	1.45	-0.10	-1.43e-03	0.0	6.28e-05
1128	217	1.53	0.43	-0.09	-4.26e-04	0.0	3.18e-05
1128	235	-0.19	1.90	-0.09	-1.88e-03	0.0	5.59e-05
1128	237	0.66	1.72	-0.10	-1.70e-03	0.0	7.89e-05
1128	251	0.08	0.02	-0.06	-1.52e-05	0.0	-2.58e-05
1128	268	0.04	0.08	-0.07	-7.15e-05	0.0	-2.74e-05
1128	276	0.03	0.12	-0.06	-1.13e-04	0.0	-2.31e-05
1128	298	0.03	0.01	-0.06	-6.31e-06	0.0	-2.45e-05
1128	303	0.04	0.01	-0.05	-7.64e-06	0.0	-2.34e-05
1128	307	0.03	0.03	-0.05	-2.71e-05	0.0	-2.29e-05
1128	310	0.03	9.52e-03	-0.05	-5.85e-06	0.0	-2.34e-05
1129	45	-0.18	-0.03	-0.05	2.73e-05	0.0	-1.95e-05
1129	52	0.07	0.17	-0.14	-1.01e-04	0.0	-5.01e-05
1129	68	0.06	0.26	-0.13	-1.63e-04	0.0	-4.23e-05
1129	121	1.86	0.47	-0.12	-3.12e-04	0.0	1.70e-05
1129	139	-0.24	2.09	-0.12	-1.37e-03	0.0	4.09e-05
1129	141	0.79	1.87	-0.14	-1.23e-03	0.0	6.20e-05
1129	153	2.09	0.53	-0.13	-3.52e-04	0.0	2.30e-05
1129	171	-0.27	2.36	-0.13	-1.54e-03	0.0	5.00e-05
1129	173	0.89	2.12	-0.14	-1.39e-03	0.0	7.38e-05
1129	185	2.06	0.54	-0.13	-3.57e-04	0.0	2.37e-05
1129	203	-0.26	2.40	-0.13	-1.57e-03	0.0	5.12e-05
1129	205	0.88	2.16	-0.14	-1.42e-03	0.0	7.49e-05
1129	217	2.39	0.64	-0.13	-4.24e-04	0.0	3.39e-05
1129	235	-0.30	2.84	-0.14	-1.86e-03	0.0	6.67e-05
1129	237	1.02	2.57	-0.16	-1.68e-03	0.0	9.45e-05
1129	261	-0.11	-0.02	-0.06	1.80e-05	0.0	-2.16e-05
1129	268	0.05	0.11	-0.10	-6.69e-05	0.0	-3.50e-05
1129	276	0.04	0.17	-0.09	-1.09e-04	0.0	-2.98e-05
1129	298	0.04	0.01	-0.08	-2.33e-06	0.0	-3.11e-05
1129	303	0.05	0.01	-0.08	-3.87e-06	0.0	-2.98e-05
1129	307	0.04	0.04	-0.08	-2.34e-05	0.0	-2.91e-05
1129	310	0.04	0.01	-0.08	-2.04e-06	0.0	-2.98e-05
1130	4	0.05	3.34e-03	-0.04	-7.42e-06	0.0	-2.19e-05
1130	18	0.06	5.64e-03	-0.04	-1.19e-05	0.0	-1.94e-05
1130	71	0.02	0.08	-0.03	-1.61e-04	0.0	-1.17e-05
1130	121	0.57	0.16	-0.06	-3.20e-04	0.0	6.71e-06
1130	125	0.51	0.23	-0.06	-4.59e-04	0.0	6.66e-06
1130	138	0.24	-0.71	-0.02	1.41e-03	0.0	-4.03e-05
1130	153	0.63	0.18	-0.07	-3.61e-04	0.0	9.14e-06
1130	157	0.57	0.26	-0.07	-5.18e-04	0.0	9.05e-06
1130	170	0.27	-0.80	-0.02	1.59e-03	0.0	-4.39e-05
1130	185	0.62	0.18	-0.07	-3.66e-04	0.0	9.34e-06

1130	189	0.56	0.27	-0.07	-5.27e-04	0.0	8.99e-06
1130	202	0.27	-0.82	-0.02	1.62e-03	0.0	-4.43e-05
1130	209	0.72	-0.19	-0.07	3.77e-04	0.0	2.62e-05
1130	221	0.65	0.32	-0.08	-6.24e-04	0.0	1.28e-05
1130	234	0.31	-0.97	-0.01	1.92e-03	0.0	-5.04e-05
1130	244	0.03	2.11e-03	-0.03	-4.72e-06	0.0	-1.53e-05
1130	251	0.04	3.64e-03	-0.03	-7.71e-06	0.0	-1.36e-05
1130	275	0.02	0.05	-0.02	-1.07e-04	0.0	-1.14e-05
1130	298	0.02	-5.05e-04	-0.02	0.0	0.0	-1.29e-05
1130	303	0.02	3.00e-04	-0.02	-1.02e-06	0.0	-1.23e-05
1130	307	0.02	0.01	-0.02	-2.07e-05	0.0	-1.20e-05
1130	309	0.01	-1.05e-03	-0.02	1.78e-06	0.0	-9.11e-06
1130	310	0.02	-5.83e-04	-0.02	0.0	0.0	-1.23e-05
1131	1	0.0	0.0	0.0	-5.45e-06	0.0	-2.60e-06
1131	113	0.0	0.0	0.0	3.22e-04	0.0	0.0
1131	145	0.0	0.0	0.0	3.58e-04	0.0	1.21e-06
1131	177	0.0	0.0	0.0	3.35e-04	0.0	1.27e-06
1131	209	0.0	0.0	0.0	3.78e-04	0.0	1.99e-06
1131	241	0.0	0.0	0.0	-3.41e-06	0.0	-1.88e-06
1131	297	0.0	0.0	0.0	1.87e-06	0.0	-1.89e-06
1131	309	0.0	0.0	0.0	1.87e-06	0.0	-1.89e-06
1132	4	0.09	6.94e-03	-0.08	-7.73e-06	0.0	-3.90e-05
1132	45	-0.11	-0.03	-0.02	2.78e-05	0.0	-1.48e-05
1132	71	0.03	0.16	-0.05	-1.61e-04	0.0	-2.10e-05
1132	121	1.19	0.32	-0.13	-3.16e-04	0.0	1.32e-05
1132	125	1.17	0.46	-0.13	-4.53e-04	0.0	1.22e-05
1132	138	0.20	-1.42	-0.03	1.39e-03	0.0	-7.38e-05
1132	153	1.33	0.36	-0.14	-3.57e-04	0.0	1.77e-05
1132	157	1.31	0.52	-0.14	-5.12e-04	0.0	1.65e-05
1132	170	0.22	-1.60	-0.03	1.57e-03	0.0	-8.05e-05
1132	185	1.32	0.37	-0.14	-3.62e-04	0.0	1.81e-05
1132	189	1.29	0.53	-0.14	-5.20e-04	0.0	1.64e-05
1132	202	0.22	-1.63	-0.03	1.60e-03	0.0	-8.12e-05
1132	217	1.53	0.44	-0.16	-4.32e-04	0.0	2.56e-05
1132	221	1.50	0.63	-0.16	-6.16e-04	0.0	2.32e-05
1132	234	0.24	-1.93	-0.03	1.90e-03	0.0	-9.25e-05
1132	244	0.06	4.39e-03	-0.05	-4.94e-06	0.0	-2.72e-05
1132	251	0.07	7.42e-03	-0.05	-7.89e-06	0.0	-2.43e-05
1132	275	0.03	0.11	-0.05	-1.07e-04	0.0	-2.03e-05
1132	298	0.03	-8.43e-04	-0.04	0.0	0.0	-2.28e-05
1132	303	0.04	7.53e-04	-0.04	-1.21e-06	0.0	-2.19e-05
1132	307	0.03	0.02	-0.04	-2.09e-05	0.0	-2.14e-05
1132	309	0.02	-1.98e-03	-0.03	1.63e-06	0.0	-1.62e-05
1132	310	0.03	-1.01e-03	-0.04	0.0	0.0	-2.19e-05
1133	4	0.13	0.01	-0.12	-8.14e-06	0.0	-4.94e-05
1133	45	-0.18	-0.04	-0.03	2.76e-05	0.0	-1.76e-05
1133	71	0.04	0.24	-0.08	-1.61e-04	0.0	-2.67e-05
1133	121	1.86	0.48	-0.20	-3.11e-04	0.0	1.53e-05
1133	125	1.83	0.69	-0.20	-4.45e-04	0.0	1.17e-05
1133	138	0.31	-2.11	-0.05	1.37e-03	0.0	-9.27e-05
1133	153	2.09	0.54	-0.21	-3.52e-04	0.0	2.08e-05
1133	157	2.05	0.77	-0.22	-5.03e-04	0.0	1.67e-05
1133	170	0.34	-2.38	-0.05	1.55e-03	0.0	-1.01e-04
1133	185	2.06	0.55	-0.21	-3.57e-04	0.0	2.15e-05
1133	189	2.02	0.79	-0.21	-5.11e-04	0.0	1.67e-05
1133	202	0.33	-2.42	-0.05	1.58e-03	0.0	-1.02e-04
1133	217	2.39	0.65	-0.24	-4.26e-04	0.0	3.10e-05
1133	221	2.34	0.93	-0.24	-6.06e-04	0.0	2.46e-05
1133	234	0.37	-2.87	-0.04	1.87e-03	0.0	-1.16e-04
1133	244	0.09	6.80e-03	-0.08	-5.23e-06	0.0	-3.44e-05
1133	261	-0.11	-0.03	-0.04	1.89e-05	0.0	-1.97e-05
1133	275	0.04	0.16	-0.07	-1.07e-04	0.0	-2.58e-05
1133	298	0.04	-1.06e-03	-0.07	0.0	0.0	-2.88e-05
1133	303	0.05	1.31e-03	-0.06	-1.45e-06	0.0	-2.76e-05
1133	307	0.04	0.03	-0.06	-2.11e-05	0.0	-2.70e-05
1133	309	0.02	-2.82e-03	-0.05	1.45e-06	0.0	-2.04e-05
1133	310	0.04	-1.32e-03	-0.06	0.0	0.0	-2.76e-05
1134	18	0.06	-3.09e-03	-0.04	0.0	0.0	-1.89e-05
1134	69	9.60e-03	0.08	-0.02	-1.55e-04	0.0	-6.01e-06
1134	121	0.56	0.16	-0.20	-3.23e-04	0.0	6.06e-06
1134	138	0.24	-0.73	-0.04	1.43e-03	0.0	-3.90e-05
1134	153	0.63	0.19	-0.22	-3.66e-04	0.0	8.38e-06
1134	170	0.27	-0.82	-0.04	1.62e-03	0.0	-4.25e-05
1134	185	0.62	0.19	-0.22	-3.72e-04	0.0	8.57e-06
1134	202	0.27	-0.84	-0.04	1.65e-03	0.0	-4.28e-05

1134	209	0.72	-0.18	-0.25	3.64e-04	0.0	2.59e-05
1134	217	0.72	0.23	-0.25	-4.44e-04	0.0	1.24e-05
1134	234	0.31	-0.99	-0.04	1.95e-03	0.0	-4.86e-05
1134	251	0.04	-2.49e-03	-0.03	0.0	0.0	-1.33e-05
1134	273	0.01	0.05	-0.02	-1.01e-04	0.0	-7.48e-06
1134	303	0.02	-5.23e-03	-0.02	5.96e-06	0.0	-1.20e-05
1134	308	0.01	-0.01	-0.02	1.77e-05	0.0	-9.00e-06
1134	310	0.02	-6.12e-03	-0.02	7.71e-06	0.0	-1.20e-05
1135	1	0.0	0.0	0.0	2.67e-06	0.0	-2.23e-06
1135	113	0.0	0.0	0.0	3.14e-04	0.0	0.0
1135	145	0.0	0.0	0.0	3.49e-04	0.0	1.36e-06
1135	177	0.0	0.0	0.0	3.25e-04	0.0	1.41e-06
1135	209	0.0	0.0	0.0	3.66e-04	0.0	2.09e-06
1135	241	0.0	0.0	0.0	2.44e-06	0.0	-1.61e-06
1135	297	0.0	0.0	0.0	7.71e-06	0.0	-1.62e-06
1135	309	0.0	0.0	0.0	7.71e-06	0.0	-1.62e-06
1136	18	0.11	-4.43e-03	-0.08	-4.25e-06	0.0	-3.40e-05
1136	45	-0.11	-0.04	9.56e-03	3.05e-05	0.0	-1.44e-05
1136	69	0.02	0.15	-0.03	-1.57e-04	0.0	-1.08e-05
1136	121	1.19	0.32	-0.37	-3.18e-04	0.0	1.20e-05
1136	138	0.20	-1.45	-0.07	1.41e-03	0.0	-7.16e-05
1136	153	1.33	0.37	-0.41	-3.60e-04	0.0	1.63e-05
1136	170	0.22	-1.63	-0.08	1.59e-03	0.0	-7.81e-05
1136	185	1.31	0.37	-0.40	-3.66e-04	0.0	1.68e-05
1136	202	0.22	-1.66	-0.07	1.62e-03	0.0	-7.88e-05
1136	217	1.52	0.45	-0.46	-4.37e-04	0.0	2.40e-05
1136	234	0.24	-1.97	-0.08	1.92e-03	0.0	-8.97e-05
1136	251	0.07	-3.75e-03	-0.06	-2.36e-06	0.0	-2.38e-05
1136	273	0.02	0.10	-0.03	-1.02e-04	0.0	-1.34e-05
1136	303	0.04	-9.28e-03	-0.04	3.64e-06	0.0	-2.14e-05
1136	308	0.02	-0.02	-0.03	1.60e-05	0.0	-1.61e-05
1136	310	0.03	-0.01	-0.04	5.35e-06	0.0	-2.14e-05
1137	4	0.13	-0.01	-0.12	-4.99e-06	0.0	-4.83e-05
1137	45	-0.18	-0.05	9.02e-03	2.77e-05	0.0	-1.70e-05
1137	69	0.02	0.23	-0.05	-1.58e-04	0.0	-1.38e-05
1137	121	1.86	0.48	-0.50	-3.12e-04	0.0	1.48e-05
1137	138	0.31	-2.15	-0.10	1.38e-03	0.0	-9.04e-05
1137	153	2.09	0.55	-0.56	-3.52e-04	0.0	2.01e-05
1137	170	0.34	-2.43	-0.10	1.56e-03	0.0	-9.86e-05
1137	185	2.06	0.55	-0.55	-3.58e-04	0.0	2.08e-05
1137	202	0.33	-2.47	-0.10	1.59e-03	0.0	-9.96e-05
1137	217	2.39	0.66	-0.63	-4.28e-04	0.0	3.00e-05
1137	234	0.37	-2.93	-0.10	1.88e-03	0.0	-1.13e-04
1137	244	0.09	-8.95e-03	-0.08	-3.04e-06	0.0	-3.37e-05
1137	261	-0.11	-0.04	-0.01	1.94e-05	0.0	-1.92e-05
1137	273	0.03	0.15	-0.05	-1.05e-04	0.0	-1.70e-05
1137	303	0.05	-0.01	-0.06	0.0	0.0	-2.70e-05
1137	308	0.02	-0.03	-0.04	1.34e-05	0.0	-2.02e-05
1137	310	0.04	-0.01	-0.06	1.90e-06	0.0	-2.69e-05
1138	28	-0.10	0.02	-0.26	2.43e-05	0.0	-6.34e-05
1138	45	-0.26	-0.04	-0.10	3.40e-05	0.0	-2.21e-05
1138	68	0.06	0.36	-0.23	-1.55e-04	0.0	-5.30e-05
1138	119	-2.23	1.88	-0.26	-9.01e-04	0.0	-7.22e-05
1138	121	2.57	0.63	-0.10	-3.14e-04	0.0	1.07e-05
1138	139	-0.34	2.75	-0.25	-1.35e-03	0.0	3.97e-05
1138	151	-2.51	2.11	-0.27	-1.01e-03	0.0	-7.66e-05
1138	153	2.88	0.70	-0.10	-3.55e-04	0.0	1.68e-05
1138	171	-0.38	3.10	-0.26	-1.52e-03	0.0	4.95e-05
1138	183	-2.46	2.09	-0.27	-1.01e-03	0.0	-7.62e-05
1138	185	2.84	0.71	-0.10	-3.60e-04	0.0	1.77e-05
1138	203	-0.36	3.15	-0.27	-1.55e-03	0.0	5.09e-05
1138	215	-2.88	2.45	-0.30	-1.18e-03	0.0	-8.30e-05
1138	217	3.30	0.84	-0.09	-4.29e-04	0.0	2.83e-05
1138	235	-0.42	3.73	-0.29	-1.84e-03	0.0	6.76e-05
1138	256	-0.07	0.01	-0.18	1.66e-05	0.0	-4.42e-05
1138	261	-0.16	-0.02	-0.11	2.42e-05	0.0	-2.52e-05
1138	276	0.05	0.24	-0.16	-1.03e-04	0.0	-3.73e-05
1138	298	0.04	0.03	-0.15	3.90e-06	0.0	-3.79e-05
1138	303	0.06	0.03	-0.14	1.91e-06	0.0	-3.65e-05
1138	307	0.04	0.07	-0.14	-1.76e-05	0.0	-3.57e-05
1138	310	0.04	0.03	-0.14	3.92e-06	0.0	-3.63e-05
1139	28	-0.16	1.10e-03	-0.34	4.33e-05	0.0	-5.82e-05
1139	45	-0.35	-0.06	-0.13	4.17e-05	0.0	-1.79e-05
1139	68	0.06	0.43	-0.30	-1.39e-04	0.0	-5.11e-05
1139	119	-2.90	2.32	-0.33	-8.78e-04	0.0	-8.45e-05

1139	121	3.30	0.78	-0.13	-3.10e-04	0.0	-3.90e-06
1139	139	-0.45	3.42	-0.32	-1.33e-03	0.0	2.96e-05
1139	151	-3.26	2.61	-0.35	-9.90e-04	0.0	-9.06e-05
1139	153	3.71	0.88	-0.13	-3.51e-04	0.0	0.0
1139	171	-0.51	3.86	-0.34	-1.50e-03	0.0	3.79e-05
1139	183	-3.20	2.59	-0.35	-9.82e-04	0.0	-8.97e-05
1139	185	3.65	0.89	-0.13	-3.56e-04	0.0	2.19e-06
1139	203	-0.49	3.92	-0.34	-1.52e-03	0.0	3.93e-05
1139	215	-3.74	3.03	-0.38	-1.15e-03	0.0	-9.91e-05
1139	217	4.25	1.06	-0.12	-4.26e-04	0.0	1.01e-05
1139	235	-0.57	4.64	-0.37	-1.81e-03	0.0	5.34e-05
1139	256	-0.11	1.55e-03	-0.24	2.98e-05	0.0	-4.07e-05
1139	261	-0.22	-0.03	-0.14	3.23e-05	0.0	-2.19e-05
1139	276	0.04	0.29	-0.21	-9.17e-05	0.0	-3.59e-05
1139	298	0.03	0.02	-0.19	1.47e-05	0.0	-3.59e-05
1139	303	0.06	0.03	-0.18	1.22e-05	0.0	-3.47e-05
1139	307	0.03	0.08	-0.19	-7.33e-06	0.0	-3.39e-05
1139	310	0.03	0.02	-0.19	1.42e-05	0.0	-3.44e-05
1140	45	-0.26	-0.05	-0.07	3.09e-05	0.0	-1.84e-05
1140	52	0.07	0.21	-0.19	-9.28e-05	0.0	-5.29e-05
1140	67	0.06	0.34	-0.16	-1.58e-04	0.0	-4.18e-05
1140	121	2.57	0.63	-0.16	-3.09e-04	0.0	1.37e-05
1140	139	-0.34	2.77	-0.16	-1.34e-03	0.0	4.01e-05
1140	141	1.09	2.48	-0.18	-1.21e-03	0.0	6.25e-05
1140	153	2.88	0.71	-0.17	-3.49e-04	0.0	1.96e-05
1140	171	-0.38	3.12	-0.17	-1.52e-03	0.0	4.93e-05
1140	173	1.22	2.81	-0.19	-1.37e-03	0.0	7.46e-05
1140	185	2.84	0.72	-0.17	-3.54e-04	0.0	2.05e-05
1140	203	-0.36	3.18	-0.17	-1.54e-03	0.0	5.07e-05
1140	205	1.21	2.87	-0.19	-1.40e-03	0.0	7.58e-05
1140	217	3.30	0.85	-0.18	-4.22e-04	0.0	3.07e-05
1140	235	-0.43	3.76	-0.18	-1.83e-03	0.0	6.63e-05
1140	237	1.41	3.40	-0.21	-1.66e-03	0.0	9.59e-05
1140	261	-0.16	-0.03	-0.08	2.17e-05	0.0	-2.13e-05
1140	268	0.05	0.14	-0.13	-6.16e-05	0.0	-3.70e-05
1140	275	0.04	0.23	-0.11	-1.05e-04	0.0	-2.96e-05
1140	298	0.04	0.01	-0.11	2.34e-06	0.0	-3.26e-05
1140	303	0.06	0.02	-0.11	0.0	0.0	-3.14e-05
1140	307	0.04	0.05	-0.11	-1.90e-05	0.0	-3.06e-05
1140	310	0.04	0.01	-0.11	2.43e-06	0.0	-3.12e-05
1141	45	-0.35	-0.06	-0.09	3.42e-05	0.0	-1.25e-05
1141	52	0.06	0.26	-0.25	-8.54e-05	0.0	-4.45e-05
1141	67	0.05	0.42	-0.21	-1.52e-04	0.0	-3.52e-05
1141	121	3.30	0.78	-0.21	-3.06e-04	0.0	3.79e-06
1141	139	-0.46	3.43	-0.21	-1.32e-03	0.0	3.65e-05
1141	141	1.38	3.08	-0.23	-1.19e-03	0.0	5.64e-05
1141	153	3.70	0.88	-0.21	-3.46e-04	0.0	7.88e-06
1141	171	-0.51	3.88	-0.22	-1.49e-03	0.0	4.47e-05
1141	173	1.55	3.48	-0.24	-1.35e-03	0.0	6.72e-05
1141	185	3.65	0.89	-0.21	-3.51e-04	0.0	9.82e-06
1141	203	-0.49	3.94	-0.22	-1.52e-03	0.0	4.62e-05
1141	205	1.54	3.56	-0.24	-1.38e-03	0.0	6.86e-05
1141	217	4.24	1.06	-0.23	-4.20e-04	0.0	1.76e-05
1141	235	-0.57	4.67	-0.23	-1.80e-03	0.0	6.01e-05
1141	237	1.80	4.23	-0.26	-1.64e-03	0.0	8.65e-05
1141	261	-0.22	-0.04	-0.10	2.51e-05	0.0	-1.60e-05
1141	268	0.04	0.17	-0.17	-5.64e-05	0.0	-3.11e-05
1141	275	0.04	0.28	-0.15	-1.01e-04	0.0	-2.49e-05
1141	298	0.03	0.01	-0.14	6.84e-06	0.0	-2.74e-05
1141	303	0.05	0.01	-0.14	4.84e-06	0.0	-2.67e-05
1141	307	0.03	0.06	-0.14	-1.47e-05	0.0	-2.58e-05
1141	310	0.03	9.39e-03	-0.14	6.74e-06	0.0	-2.63e-05
1142	4	0.15	0.01	-0.15	-8.85e-06	0.0	-5.04e-05
1142	45	-0.26	-0.06	-0.04	2.73e-05	0.0	-1.59e-05
1142	71	0.05	0.32	-0.10	-1.62e-04	0.0	-2.70e-05
1142	121	2.57	0.63	-0.26	-3.07e-04	0.0	1.58e-05
1142	125	2.52	0.91	-0.26	-4.37e-04	0.0	7.66e-06
1142	138	0.41	-2.79	-0.07	1.35e-03	0.0	-9.55e-05
1142	153	2.88	0.71	-0.29	-3.47e-04	0.0	2.15e-05
1142	157	2.83	1.02	-0.29	-4.93e-04	0.0	1.21e-05
1142	170	0.46	-3.15	-0.07	1.52e-03	0.0	-1.04e-04
1142	185	2.84	0.72	-0.28	-3.52e-04	0.0	2.23e-05
1142	189	2.79	1.04	-0.28	-5.02e-04	0.0	1.21e-05
1142	202	0.44	-3.20	-0.06	1.55e-03	0.0	-1.06e-04
1142	217	3.30	0.86	-0.32	-4.20e-04	0.0	3.23e-05

1142	221	3.23	1.23	-0.32	-5.95e-04	0.0	1.95e-05
1142	234	0.50	-3.80	-0.06	1.83e-03	0.0	-1.21e-04
1142	244	0.10	9.38e-03	-0.11	-5.72e-06	0.0	-3.51e-05
1142	261	-0.16	-0.04	-0.05	1.85e-05	0.0	-1.87e-05
1142	275	0.04	0.21	-0.09	-1.07e-04	0.0	-2.61e-05
1142	298	0.04	-1.13e-03	-0.09	0.0	0.0	-2.90e-05
1142	303	0.06	2.02e-03	-0.09	-1.85e-06	0.0	-2.80e-05
1142	307	0.04	0.04	-0.09	-2.15e-05	0.0	-2.72e-05
1142	309	0.03	-3.55e-03	-0.06	1.15e-06	0.0	-2.06e-05
1142	310	0.04	-1.47e-03	-0.08	0.0	0.0	-2.78e-05
1143	4	0.16	0.02	-0.20	-9.90e-06	0.0	-4.06e-05
1143	45	-0.35	-0.07	-0.05	2.69e-05	0.0	-9.55e-06
1143	71	0.04	0.40	-0.13	-1.62e-04	0.0	-2.08e-05
1143	121	3.29	0.78	-0.33	-3.04e-04	0.0	7.49e-06
1143	125	3.23	1.12	-0.33	-4.30e-04	0.0	-6.90e-06
1143	138	0.52	-3.45	-0.09	1.32e-03	0.0	-8.33e-05
1143	153	3.70	0.89	-0.36	-3.43e-04	0.0	1.15e-05
1143	157	3.63	1.27	-0.36	-4.85e-04	0.0	-4.86e-06
1143	170	0.57	-3.90	-0.09	1.49e-03	0.0	-9.13e-05
1143	185	3.65	0.90	-0.36	-3.49e-04	0.0	1.34e-05
1143	189	3.58	1.29	-0.36	-4.94e-04	0.0	-4.01e-06
1143	202	0.55	-3.97	-0.08	1.52e-03	0.0	-9.27e-05
1143	217	4.24	1.07	-0.40	-4.16e-04	0.0	2.11e-05
1143	221	4.15	1.53	-0.40	-5.85e-04	0.0	0.0
1143	234	0.63	-4.70	-0.08	1.80e-03	0.0	-1.06e-04
1143	244	0.11	0.01	-0.14	-6.46e-06	0.0	-2.83e-05
1143	261	-0.22	-0.05	-0.07	1.81e-05	0.0	-1.28e-05
1143	275	0.03	0.27	-0.12	-1.08e-04	0.0	-2.03e-05
1143	298	0.03	-8.06e-04	-0.11	0.0	0.0	-2.29e-05
1143	303	0.05	3.10e-03	-0.11	-2.44e-06	0.0	-2.23e-05
1143	307	0.03	0.05	-0.11	-2.21e-05	0.0	-2.14e-05
1143	309	0.02	-4.02e-03	-0.08	0.0	0.0	-1.63e-05
1143	310	0.03	-1.27e-03	-0.11	0.0	0.0	-2.20e-05
1144	4	0.15	-8.02e-03	-0.15	-1.23e-05	0.0	-4.89e-05
1144	45	-0.26	-0.06	5.71e-03	2.43e-05	0.0	-1.53e-05
1144	69	0.03	0.31	-0.06	-1.61e-04	0.0	-1.38e-05
1144	121	2.57	0.64	-0.62	-3.06e-04	0.0	1.62e-05
1144	138	0.41	-2.83	-0.12	1.34e-03	0.0	-9.35e-05
1144	153	2.88	0.72	-0.69	-3.46e-04	0.0	2.18e-05
1144	170	0.46	-3.20	-0.13	1.52e-03	0.0	-1.02e-04
1144	185	2.84	0.73	-0.68	-3.52e-04	0.0	2.27e-05
1144	202	0.44	-3.25	-0.12	1.55e-03	0.0	-1.03e-04
1144	217	3.30	0.87	-0.78	-4.19e-04	0.0	3.25e-05
1144	234	0.50	-3.85	-0.13	1.83e-03	0.0	-1.18e-04
1144	244	0.10	-6.48e-03	-0.11	-8.15e-06	0.0	-3.41e-05
1144	261	-0.16	-0.05	-0.02	1.60e-05	0.0	-1.80e-05
1144	273	0.03	0.20	-0.06	-1.07e-04	0.0	-1.70e-05
1144	303	0.06	-0.01	-0.08	-3.93e-06	0.0	-2.72e-05
1144	308	0.03	-0.03	-0.06	1.03e-05	0.0	-2.03e-05
1144	310	0.04	-0.01	-0.08	-2.29e-06	0.0	-2.70e-05
1145	4	0.16	1.46e-03	-0.19	-1.98e-05	0.0	-3.89e-05
1145	45	-0.35	-0.07	-1.75e-03	2.11e-05	0.0	-8.88e-06
1145	71	0.04	0.39	-0.12	-1.69e-04	0.0	-1.97e-05
1145	121	3.29	0.79	-0.72	-3.02e-04	0.0	8.01e-06
1145	138	0.51	-3.49	-0.15	1.31e-03	0.0	-8.19e-05
1145	153	3.70	0.89	-0.80	-3.41e-04	0.0	1.20e-05
1145	170	0.57	-3.94	-0.15	1.48e-03	0.0	-8.98e-05
1145	185	3.65	0.91	-0.79	-3.47e-04	0.0	1.39e-05
1145	202	0.55	-4.01	-0.15	1.51e-03	0.0	-9.12e-05
1145	217	4.24	1.08	-0.90	-4.13e-04	0.0	2.15e-05
1145	234	0.63	-4.75	-0.15	1.79e-03	0.0	-1.05e-04
1145	244	0.11	-8.23e-05	-0.13	-1.34e-05	0.0	-2.71e-05
1145	261	-0.23	-0.05	-0.03	1.26e-05	0.0	-1.21e-05
1145	275	0.03	0.26	-0.11	-1.14e-04	0.0	-1.93e-05
1145	303	0.05	-6.76e-03	-0.10	-8.17e-06	0.0	-2.14e-05
1145	307	0.03	0.04	-0.10	-2.79e-05	0.0	-2.05e-05
1145	309	0.02	-0.01	-0.07	-3.56e-06	0.0	-1.56e-05
1145	310	0.03	-0.01	-0.10	-6.56e-06	0.0	-2.10e-05
1146	45	-0.43	-0.08	-0.18	4.89e-05	0.0	-2.50e-06
1146	52	0.04	0.31	-0.47	-5.51e-05	0.0	-2.63e-05
1146	67	0.04	0.49	-0.39	-1.27e-04	0.0	-2.04e-05
1146	119	-3.53	2.71	-0.43	-8.57e-04	0.0	-7.72e-05
1146	121	3.97	0.92	-0.20	-3.04e-04	0.0	0.0
1146	139	-0.57	4.01	-0.41	-1.30e-03	0.0	3.54e-05
1146	151	-3.96	3.05	-0.45	-9.68e-04	0.0	-8.47e-05

1146	153	4.46	1.04	-0.19	-3.46e-04	0.0	3.44e-06
1146	171	-0.64	4.53	-0.43	-1.48e-03	0.0	4.21e-05
1146	183	-3.89	3.03	-0.45	-9.60e-04	0.0	-8.32e-05
1146	185	4.40	1.05	-0.19	-3.50e-04	0.0	5.58e-06
1146	203	-0.62	4.60	-0.43	-1.50e-03	0.0	4.33e-05
1146	215	-4.54	3.55	-0.48	-1.13e-03	0.0	-9.46e-05
1146	217	5.11	1.24	-0.18	-4.21e-04	0.0	1.12e-05
1146	235	-0.71	5.45	-0.47	-1.79e-03	0.0	5.46e-05
1146	261	-0.28	-0.05	-0.19	3.99e-05	0.0	-6.44e-06
1146	268	0.03	0.21	-0.33	-3.52e-05	0.0	-1.84e-05
1146	275	0.03	0.33	-0.28	-8.32e-05	0.0	-1.45e-05
1146	298	0.02	0.01	-0.27	2.49e-05	0.0	-1.66e-05
1146	303	0.05	0.02	-0.26	2.19e-05	0.0	-1.65e-05
1146	307	0.02	0.08	-0.26	2.42e-06	0.0	-1.55e-05
1146	310	0.02	0.01	-0.26	2.40e-05	0.0	-1.60e-05
1147	44	-0.56	-0.10	-0.59	-3.68e-05	0.0	2.81e-05
1147	52	-0.04	0.32	-0.67	-1.29e-04	0.0	2.09e-05
1147	71	-0.03	0.54	-0.44	-1.50e-04	0.0	1.51e-05
1147	119	-4.21	3.08	-0.56	-1.16e-03	0.0	-5.70e-05
1147	124	-4.67	-1.06	-0.43	2.88e-04	0.0	-4.31e-06
1147	138	0.69	-4.59	-0.19	1.62e-03	0.0	-5.07e-05
1147	151	-4.73	3.47	-0.58	-1.30e-03	0.0	-6.51e-05
1147	156	-5.24	-1.19	-0.44	3.30e-04	0.0	-6.55e-06
1147	170	0.77	-5.18	-0.16	1.83e-03	0.0	-5.88e-05
1147	183	-4.65	3.44	-0.58	-1.29e-03	0.0	-6.31e-05
1147	188	-5.17	-1.21	-0.44	3.35e-04	0.0	-9.12e-06
1147	202	0.74	-5.27	-0.16	1.86e-03	0.0	-6.06e-05
1147	212	-6.02	1.36	-0.53	-5.42e-04	0.0	-1.85e-04
1147	215	-5.41	4.04	-0.62	-1.51e-03	0.0	-7.56e-05
1147	234	0.86	-6.25	-0.12	2.22e-03	0.0	-7.41e-05
1147	264	-0.38	-0.07	-0.41	-2.57e-05	0.0	1.93e-05
1147	268	-0.03	0.21	-0.47	-8.70e-05	0.0	1.45e-05
1147	275	-0.02	0.36	-0.40	-1.06e-04	0.0	1.28e-05
1147	298	-0.03	-2.95e-03	-0.38	-3.33e-05	0.0	1.11e-05
1147	305	-0.10	-0.02	-0.37	-2.89e-05	0.0	1.20e-05
1147	307	-0.03	0.07	-0.37	-4.55e-05	0.0	1.08e-05
1147	309	-0.02	-6.51e-03	-0.26	-1.64e-05	0.0	7.09e-06
1147	310	-0.03	-3.46e-03	-0.36	-3.09e-05	0.0	1.05e-05
1148	45	-0.44	-0.08	-0.12	3.67e-05	0.0	-1.75e-06
1148	52	0.03	0.29	-0.33	-7.96e-05	0.0	-2.32e-05
1148	67	0.03	0.48	-0.28	-1.47e-04	0.0	-1.78e-05
1148	121	3.96	0.92	-0.26	-3.04e-04	0.0	5.81e-06
1148	139	-0.58	4.02	-0.26	-1.31e-03	0.0	3.61e-05
1148	141	1.64	3.61	-0.29	-1.18e-03	0.0	5.50e-05
1148	153	4.45	1.04	-0.27	-3.44e-04	0.0	8.64e-06
1148	171	-0.65	4.54	-0.27	-1.48e-03	0.0	4.27e-05
1148	173	1.85	4.08	-0.31	-1.33e-03	0.0	6.39e-05
1148	185	4.39	1.05	-0.27	-3.49e-04	0.0	1.08e-05
1148	203	-0.63	4.62	-0.28	-1.50e-03	0.0	4.38e-05
1148	205	1.83	4.17	-0.31	-1.36e-03	0.0	6.49e-05
1148	217	5.10	1.25	-0.29	-4.18e-04	0.0	1.69e-05
1148	235	-0.73	5.47	-0.29	-1.78e-03	0.0	5.49e-05
1148	237	2.14	4.96	-0.33	-1.62e-03	0.0	7.97e-05
1148	261	-0.29	-0.05	-0.13	2.77e-05	0.0	-5.38e-06
1148	268	0.02	0.20	-0.23	-5.24e-05	0.0	-1.63e-05
1148	275	0.02	0.32	-0.20	-9.72e-05	0.0	-1.27e-05
1148	298	0.01	5.84e-03	-0.19	1.03e-05	0.0	-1.48e-05
1148	304	-0.05	-0.01	-0.13	1.24e-05	0.0	-9.62e-06
1148	307	0.01	0.07	-0.18	-1.15e-05	0.0	-1.38e-05
1148	310	0.01	5.03e-03	-0.18	1.00e-05	0.0	-1.42e-05
1149	44	-0.56	-0.10	-0.41	-1.08e-04	0.0	2.54e-05
1149	52	-0.04	0.33	-0.49	-2.18e-04	0.0	1.81e-05
1149	71	-0.03	0.55	-0.32	-2.17e-04	0.0	1.34e-05
1149	124	-4.67	-1.06	-0.17	1.93e-04	0.0	3.25e-06
1149	138	0.69	-4.60	-0.17	1.25e-03	0.0	-3.57e-05
1149	141	1.88	4.13	-0.39	-1.26e-03	0.0	6.93e-05
1149	156	-5.24	-1.19	-0.16	2.28e-04	0.0	2.18e-06
1149	170	0.77	-5.20	-0.16	1.42e-03	0.0	-4.16e-05
1149	173	2.12	4.67	-0.41	-1.41e-03	0.0	7.70e-05
1149	188	-5.17	-1.21	-0.16	2.34e-04	0.0	0.0
1149	202	0.74	-5.29	-0.16	1.45e-03	0.0	-4.22e-05
1149	205	2.11	4.78	-0.41	-1.44e-03	0.0	7.73e-05
1149	212	-6.02	1.29	-0.18	-4.43e-04	0.0	-1.82e-04
1149	234	0.86	-6.27	-0.14	1.73e-03	0.0	-5.18e-05
1149	237	2.46	5.68	-0.44	-1.70e-03	0.0	8.99e-05

1149	264	-0.38	-0.07	-0.29	-7.53e-05	0.0	1.74e-05
1149	268	-0.03	0.22	-0.34	-1.49e-04	0.0	1.26e-05
1149	275	-0.02	0.36	-0.29	-1.63e-04	0.0	1.12e-05
1149	298	-0.03	-9.73e-04	-0.28	-8.03e-05	0.0	9.47e-06
1149	305	-0.10	-0.01	-0.26	-7.36e-05	0.0	1.05e-05
1149	307	-0.03	0.07	-0.27	-9.22e-05	0.0	9.33e-06
1149	309	-0.02	-5.25e-03	-0.20	-4.78e-05	0.0	6.01e-06
1149	310	-0.03	-1.58e-03	-0.27	-7.57e-05	0.0	8.98e-06
1150	4	0.15	0.02	-0.26	-1.07e-05	0.0	-2.29e-05
1150	45	-0.44	-0.08	-0.07	2.66e-05	0.0	0.0
1150	71	0.02	0.48	-0.18	-1.63e-04	0.0	-9.73e-06
1150	121	3.96	0.92	-0.40	-3.01e-04	0.0	7.62e-06
1150	125	3.88	1.31	-0.40	-4.25e-04	0.0	-1.34e-05
1150	138	0.60	-4.04	-0.12	1.30e-03	0.0	-6.33e-05
1150	153	4.45	1.04	-0.43	-3.40e-04	0.0	1.04e-05
1150	157	4.36	1.48	-0.43	-4.80e-04	0.0	-1.35e-05
1150	170	0.67	-4.56	-0.12	1.47e-03	0.0	-7.01e-05
1150	185	4.38	1.05	-0.43	-3.46e-04	0.0	1.25e-05
1150	189	4.30	1.51	-0.43	-4.88e-04	0.0	-1.26e-05
1150	202	0.65	-4.64	-0.11	1.50e-03	0.0	-7.14e-05
1150	217	5.10	1.26	-0.48	-4.13e-04	0.0	1.86e-05
1150	221	4.99	1.79	-0.48	-5.78e-04	0.0	-1.21e-05
1150	234	0.75	-5.50	-0.10	1.78e-03	0.0	-8.27e-05
1150	244	0.10	0.02	-0.18	-7.04e-06	0.0	-1.59e-05
1150	261	-0.29	-0.06	-0.09	1.78e-05	0.0	-3.52e-06
1150	275	0.01	0.32	-0.16	-1.08e-04	0.0	-9.94e-06
1150	298	8.73e-03	-5.34e-05	-0.15	-1.43e-06	0.0	-1.21e-05
1150	304	-0.05	-0.01	-0.10	3.86e-06	0.0	-7.71e-06
1150	307	9.22e-03	0.06	-0.15	-2.26e-05	0.0	-1.12e-05
1150	309	6.30e-03	-4.12e-03	-0.11	0.0	0.0	-8.76e-06
1150	310	8.38e-03	-6.34e-04	-0.14	-1.17e-06	0.0	-1.16e-05
1151	4	0.11	0.03	-0.39	-1.78e-04	0.0	1.11e-05
1151	44	-0.56	-0.09	-0.30	-1.34e-04	0.0	2.34e-05
1151	71	-0.03	0.55	-0.26	-2.38e-04	0.0	1.19e-05
1151	124	-4.67	-1.05	0.07	2.02e-04	0.0	1.12e-06
1151	125	4.53	1.50	-0.50	-5.35e-04	0.0	-1.20e-05
1151	139	-0.74	4.62	-0.24	-1.57e-03	0.0	5.86e-05
1151	156	-5.24	-1.19	0.11	2.41e-04	0.0	0.0
1151	157	5.09	1.70	-0.54	-5.92e-04	0.0	-1.43e-05
1151	171	-0.82	5.22	-0.25	-1.77e-03	0.0	6.53e-05
1151	188	-5.17	-1.21	0.10	2.47e-04	0.0	-2.64e-06
1151	189	5.01	1.73	-0.53	-6.01e-04	0.0	-1.32e-05
1151	203	-0.79	5.31	-0.25	-1.80e-03	0.0	6.63e-05
1151	212	-6.02	1.23	0.12	-4.97e-04	0.0	-1.82e-04
1151	221	5.84	2.04	-0.59	-6.96e-04	0.0	-1.60e-05
1151	235	-0.91	6.29	-0.26	-2.11e-03	0.0	7.73e-05
1151	244	0.07	0.02	-0.27	-1.23e-04	0.0	7.84e-06
1151	264	-0.38	-0.06	-0.22	-9.37e-05	0.0	1.60e-05
1151	275	-0.02	0.37	-0.23	-1.82e-04	0.0	9.95e-06
1151	298	-0.03	1.05e-03	-0.22	-9.74e-05	0.0	8.24e-06
1151	305	-0.10	-0.01	-0.21	-8.99e-05	0.0	9.26e-06
1151	307	-0.03	0.07	-0.22	-1.09e-04	0.0	8.14e-06
1151	309	-0.02	-3.97e-03	-0.16	-5.83e-05	0.0	5.14e-06
1151	310	-0.03	3.30e-04	-0.21	-9.18e-05	0.0	7.80e-06
1152	4	0.14	0.01	-0.25	-2.53e-05	0.0	-2.16e-05
1152	45	-0.44	-0.08	-0.02	1.88e-05	0.0	0.0
1152	71	0.01	0.47	-0.16	-1.72e-04	0.0	-8.88e-06
1152	121	3.95	0.92	-0.80	-3.01e-04	0.0	8.08e-06
1152	138	0.60	-4.07	-0.18	1.29e-03	0.0	-6.29e-05
1152	153	4.44	1.04	-0.89	-3.38e-04	0.0	1.08e-05
1152	170	0.67	-4.59	-0.19	1.46e-03	0.0	-6.97e-05
1152	185	4.38	1.06	-0.88	-3.45e-04	0.0	1.29e-05
1152	202	0.65	-4.68	-0.18	1.48e-03	0.0	-7.10e-05
1152	217	5.10	1.27	-1.00	-4.10e-04	0.0	1.90e-05
1152	234	0.75	-5.54	-0.18	1.76e-03	0.0	-8.25e-05
1152	244	0.10	8.94e-03	-0.17	-1.72e-05	0.0	-1.50e-05
1152	261	-0.29	-0.06	-0.05	1.02e-05	0.0	-2.96e-06
1152	275	0.01	0.31	-0.14	-1.17e-04	0.0	-9.15e-06
1152	298	6.46e-03	-5.15e-03	-0.13	-1.03e-05	0.0	-1.13e-05
1152	304	-0.05	-0.02	-0.09	-2.64e-06	0.0	-7.15e-06
1152	307	7.02e-03	0.06	-0.13	-3.10e-05	0.0	-1.04e-05
1152	309	4.73e-03	-7.81e-03	-0.10	-5.85e-06	0.0	-8.20e-06
1152	310	6.21e-03	-5.53e-03	-0.13	-9.67e-06	0.0	-1.09e-05
1153	4	0.11	0.03	-0.36	-1.97e-04	0.0	7.84e-06
1153	44	-0.57	-0.08	-0.22	-1.51e-04	0.0	2.04e-05

1153	71	-0.03	0.55	-0.24	-2.51e-04	0.0	9.73e-06
1153	121	4.62	1.06	-0.90	-4.00e-04	0.0	1.32e-05
1153	124	-4.67	-1.05	0.52	1.95e-04	0.0	-1.21e-06
1153	139	-0.74	4.64	-0.14	-1.60e-03	0.0	5.67e-05
1153	153	5.19	1.19	-0.99	-4.38e-04	0.0	1.45e-05
1153	156	-5.25	-1.19	0.61	2.34e-04	0.0	-2.48e-06
1153	171	-0.82	5.24	-0.14	-1.80e-03	0.0	6.34e-05
1153	185	5.12	1.21	-0.98	-4.45e-04	0.0	1.70e-05
1153	188	-5.17	-1.21	0.60	2.40e-04	0.0	-5.03e-06
1153	203	-0.79	5.34	-0.15	-1.83e-03	0.0	6.44e-05
1153	212	-6.02	1.17	0.70	-4.97e-04	0.0	-1.84e-04
1153	217	5.96	1.45	-1.11	-5.12e-04	0.0	2.12e-05
1153	235	-0.91	6.33	-0.14	-2.15e-03	0.0	7.53e-05
1153	244	0.07	0.02	-0.26	-1.36e-04	0.0	5.54e-06
1153	264	-0.38	-0.05	-0.16	-1.06e-04	0.0	1.39e-05
1153	275	-0.02	0.37	-0.21	-1.93e-04	0.0	7.98e-06
1153	298	-0.03	2.98e-03	-0.20	-1.08e-04	0.0	6.33e-06
1153	305	-0.10	-9.02e-03	-0.18	-1.00e-04	0.0	7.43e-06
1153	307	-0.03	0.08	-0.20	-1.19e-04	0.0	6.32e-06
1153	309	-0.02	-2.72e-03	-0.15	-6.47e-05	0.0	3.89e-06
1153	310	-0.03	2.16e-03	-0.19	-1.02e-04	0.0	5.99e-06
1154	44	-0.09	-1.43e-03	-0.06	3.56e-06	0.0	3.99e-06
1154	52	-0.03	0.06	-0.07	-1.09e-04	0.0	2.92e-06
1154	68	-0.03	0.09	-0.06	-1.73e-04	0.0	3.29e-06
1154	116	-0.59	0.09	-0.03	-1.85e-04	0.0	-1.64e-05
1154	139	-0.25	0.71	-0.05	-1.42e-03	0.0	-3.08e-05
1154	141	0.08	0.65	-0.05	-1.29e-03	0.0	-2.62e-05
1154	156	-0.66	-0.18	-0.03	3.56e-04	0.0	1.48e-05
1154	171	-0.28	0.80	-0.05	-1.60e-03	0.0	-3.48e-05
1154	173	0.09	0.73	-0.05	-1.46e-03	0.0	-2.97e-05
1154	180	-0.65	0.09	-0.03	-1.84e-04	0.0	-1.80e-05
1154	203	-0.28	0.82	-0.05	-1.64e-03	0.0	-3.42e-05
1154	205	0.08	0.75	-0.05	-1.50e-03	0.0	-2.92e-05
1154	212	-0.76	0.10	-0.03	-2.01e-04	0.0	-2.12e-05
1154	235	-0.32	0.97	-0.05	-1.94e-03	0.0	-4.04e-05
1154	237	0.10	0.89	-0.05	-1.78e-03	0.0	-3.47e-05
1154	264	-0.06	-8.57e-04	-0.04	2.21e-06	0.0	2.77e-06
1154	268	-0.02	0.04	-0.05	-7.30e-05	0.0	2.06e-06
1154	276	-0.02	0.06	-0.05	-1.15e-04	0.0	2.30e-06
1154	298	-0.02	3.22e-03	-0.04	-6.06e-06	0.0	1.44e-06
1154	305	-0.03	2.19e-03	-0.04	-3.97e-06	0.0	1.66e-06
1154	307	-0.02	0.01	-0.04	-2.75e-05	0.0	1.57e-06
1154	310	-0.02	3.01e-03	-0.04	-5.62e-06	0.0	1.42e-06
1155	1	0.0	0.0	0.0	-8.22e-06	0.0	0.0
1155	113	0.0	0.0	0.0	1.74e-04	0.0	2.42e-06
1155	145	0.0	0.0	0.0	1.93e-04	0.0	2.67e-06
1155	177	0.0	0.0	0.0	1.73e-04	0.0	2.61e-06
1155	209	0.0	0.0	0.0	1.90e-04	0.0	2.96e-06
1155	241	0.0	0.0	0.0	-5.66e-06	0.0	0.0
1155	297	0.0	0.0	0.0	-3.19e-06	0.0	0.0
1155	309	0.0	0.0	0.0	-3.19e-06	0.0	0.0
1156	44	-0.18	-3.23e-03	-0.10	4.10e-06	0.0	7.03e-06
1156	52	-0.05	0.11	-0.12	-1.09e-04	0.0	5.00e-06
1156	68	-0.05	0.17	-0.11	-1.72e-04	0.0	5.78e-06
1156	116	-1.23	0.19	-0.06	-1.85e-04	0.0	-3.13e-05
1156	139	-0.52	1.42	-0.08	-1.42e-03	0.0	-5.41e-05
1156	141	0.16	1.30	-0.09	-1.29e-03	0.0	-4.55e-05
1156	156	-1.38	-0.36	-0.05	3.57e-04	0.0	2.95e-05
1156	171	-0.58	1.61	-0.09	-1.60e-03	0.0	-6.11e-05
1156	173	0.19	1.46	-0.09	-1.46e-03	0.0	-5.14e-05
1156	188	-1.36	-0.37	-0.05	3.68e-04	0.0	2.85e-05
1156	203	-0.57	1.64	-0.09	-1.64e-03	0.0	-5.95e-05
1156	205	0.18	1.50	-0.09	-1.50e-03	0.0	-5.02e-05
1156	212	-1.58	0.20	-0.05	-2.00e-04	0.0	-4.01e-05
1156	235	-0.66	1.94	-0.09	-1.94e-03	0.0	-7.02e-05
1156	237	0.21	1.78	-0.10	-1.78e-03	0.0	-5.94e-05
1156	264	-0.12	-1.97e-03	-0.07	2.59e-06	0.0	4.87e-06
1156	268	-0.04	0.07	-0.09	-7.25e-05	0.0	3.51e-06
1156	276	-0.03	0.12	-0.08	-1.15e-04	0.0	4.03e-06
1156	298	-0.03	6.23e-03	-0.07	-5.75e-06	0.0	2.32e-06
1156	305	-0.05	4.16e-03	-0.07	-3.66e-06	0.0	2.76e-06
1156	307	-0.03	0.03	-0.07	-2.72e-05	0.0	2.59e-06
1156	310	-0.03	5.80e-03	-0.07	-5.31e-06	0.0	2.31e-06
1157	44	-0.27	-5.44e-03	-0.14	4.68e-06	0.0	9.38e-06
1157	52	-0.07	0.16	-0.17	-1.08e-04	0.0	6.18e-06

1157	67	-0.06	0.26	-0.14	-1.71e-04	0.0	6.75e-06
1157	124	-1.90	-0.47	-0.07	3.15e-04	0.0	3.90e-05
1157	139	-0.80	2.13	-0.12	-1.42e-03	0.0	-6.45e-05
1157	141	0.26	1.94	-0.12	-1.29e-03	0.0	-5.29e-05
1157	156	-2.13	-0.53	-0.07	3.57e-04	0.0	4.35e-05
1157	171	-0.89	2.41	-0.12	-1.60e-03	0.0	-7.26e-05
1157	173	0.29	2.20	-0.13	-1.46e-03	0.0	-5.97e-05
1157	188	-2.10	-0.55	-0.07	3.68e-04	0.0	4.24e-05
1157	203	-0.88	2.46	-0.12	-1.64e-03	0.0	-6.99e-05
1157	205	0.28	2.25	-0.13	-1.50e-03	0.0	-5.74e-05
1157	212	-2.45	0.30	-0.07	-1.99e-04	0.0	-5.30e-05
1157	235	-1.03	2.92	-0.13	-1.94e-03	0.0	-8.22e-05
1157	237	0.33	2.67	-0.13	-1.78e-03	0.0	-6.77e-05
1157	264	-0.18	-3.38e-03	-0.10	3.01e-06	0.0	6.48e-06
1157	268	-0.05	0.11	-0.12	-7.20e-05	0.0	4.34e-06
1157	275	-0.04	0.17	-0.10	-1.14e-04	0.0	4.72e-06
1157	298	-0.04	9.00e-03	-0.09	-5.43e-06	0.0	2.78e-06
1157	305	-0.07	5.88e-03	-0.09	-3.32e-06	0.0	3.43e-06
1157	307	-0.04	0.04	-0.09	-2.67e-05	0.0	3.15e-06
1157	310	-0.04	8.35e-03	-0.09	-4.98e-06	0.0	2.76e-06
1158	28	-0.07	5.80e-04	-0.04	-1.03e-06	0.0	2.86e-06
1158	44	-0.09	-3.15e-03	-0.03	6.46e-06	0.0	3.53e-06
1158	67	-0.03	0.09	-0.03	-1.71e-04	0.0	2.59e-06
1158	116	-0.59	0.10	-0.04	-2.02e-04	0.0	-1.49e-05
1158	119	-0.58	0.44	-0.04	-8.67e-04	0.0	-2.61e-05
1158	139	-0.25	0.72	-0.03	-1.44e-03	0.0	-2.63e-05
1158	151	-0.65	0.49	-0.04	-9.76e-04	0.0	-2.94e-05
1158	156	-0.66	-0.18	-0.04	3.59e-04	0.0	1.47e-05
1158	171	-0.28	0.82	-0.03	-1.62e-03	0.0	-2.96e-05
1158	183	-0.64	0.49	-0.04	-9.75e-04	0.0	-2.84e-05
1158	188	-0.65	-0.19	-0.04	3.70e-04	0.0	1.42e-05
1158	203	-0.28	0.83	-0.03	-1.66e-03	0.0	-2.88e-05
1158	212	-0.76	0.11	-0.04	-2.23e-04	0.0	-1.90e-05
1158	215	-0.74	0.58	-0.05	-1.15e-03	0.0	-3.33e-05
1158	235	-0.32	0.99	-0.04	-1.96e-03	0.0	-3.40e-05
1158	256	-0.05	4.41e-04	-0.03	0.0	0.0	1.99e-06
1158	264	-0.06	-2.05e-03	-0.02	4.20e-06	0.0	2.44e-06
1158	275	-0.02	0.06	-0.02	-1.14e-04	0.0	1.82e-06
1158	298	-0.02	2.64e-03	-0.02	-5.20e-06	0.0	1.14e-06
1158	305	-0.03	1.50e-03	-0.02	-2.91e-06	0.0	1.37e-06
1158	307	-0.02	0.01	-0.02	-2.65e-05	0.0	1.27e-06
1158	310	-0.02	2.43e-03	-0.02	-4.77e-06	0.0	1.14e-06
1159	1	0.0	0.0	0.0	-7.39e-06	0.0	0.0
1159	113	0.0	0.0	0.0	1.93e-04	0.0	2.19e-06
1159	145	0.0	0.0	0.0	2.15e-04	0.0	2.43e-06
1159	177	0.0	0.0	0.0	1.93e-04	0.0	2.36e-06
1159	209	0.0	0.0	0.0	2.14e-04	0.0	2.69e-06
1159	241	0.0	0.0	0.0	-5.03e-06	0.0	0.0
1159	297	0.0	0.0	0.0	-2.25e-06	0.0	0.0
1159	309	0.0	0.0	0.0	-2.25e-06	0.0	0.0
1160	28	-0.14	1.09e-03	-0.07	0.0	0.0	5.17e-06
1160	44	-0.18	-6.39e-03	-0.07	6.62e-06	0.0	6.48e-06
1160	67	-0.04	0.17	-0.06	-1.71e-04	0.0	4.60e-06
1160	116	-1.23	0.20	-0.08	-2.00e-04	0.0	-2.90e-05
1160	119	-1.20	0.87	-0.08	-8.62e-04	0.0	-5.05e-05
1160	139	-0.52	1.44	-0.06	-1.43e-03	0.0	-4.80e-05
1160	151	-1.35	0.98	-0.09	-9.70e-04	0.0	-5.68e-05
1160	156	-1.37	-0.36	-0.08	3.58e-04	0.0	2.98e-05
1160	171	-0.58	1.63	-0.07	-1.61e-03	0.0	-5.41e-05
1160	183	-1.33	0.98	-0.09	-9.70e-04	0.0	-5.48e-05
1160	188	-1.35	-0.37	-0.08	3.68e-04	0.0	2.89e-05
1160	203	-0.57	1.66	-0.07	-1.65e-03	0.0	-5.22e-05
1160	212	-1.58	0.22	-0.09	-2.20e-04	0.0	-3.68e-05
1160	215	-1.54	1.15	-0.09	-1.14e-03	0.0	-6.42e-05
1160	235	-0.66	1.97	-0.07	-1.95e-03	0.0	-6.15e-05
1160	256	-0.09	8.30e-04	-0.05	0.0	0.0	3.60e-06
1160	264	-0.12	-4.15e-03	-0.05	4.32e-06	0.0	4.47e-06
1160	275	-0.03	0.11	-0.04	-1.14e-04	0.0	3.22e-06
1160	298	-0.03	5.23e-03	-0.04	-5.11e-06	0.0	1.98e-06
1160	305	-0.05	2.95e-03	-0.04	-2.82e-06	0.0	2.42e-06
1160	307	-0.03	0.03	-0.04	-2.64e-05	0.0	2.22e-06
1160	310	-0.03	4.81e-03	-0.04	-4.68e-06	0.0	1.97e-06
1161	28	-0.20	1.49e-03	-0.11	0.0	0.0	7.05e-06
1161	44	-0.27	-9.75e-03	-0.10	6.82e-06	0.0	8.98e-06
1161	67	-0.06	0.26	-0.09	-1.70e-04	0.0	5.90e-06

1161	119	-1.87	1.30	-0.12	-8.54e-04	0.0	-6.82e-05
1161	124	-1.90	-0.48	-0.11	3.14e-04	0.0	3.94e-05
1161	139	-0.80	2.15	-0.09	-1.42e-03	0.0	-5.86e-05
1161	151	-2.09	1.46	-0.13	-9.62e-04	0.0	-7.66e-05
1161	156	-2.13	-0.54	-0.11	3.56e-04	0.0	4.40e-05
1161	171	-0.89	2.43	-0.10	-1.60e-03	0.0	-6.59e-05
1161	183	-2.06	1.46	-0.13	-9.62e-04	0.0	-7.38e-05
1161	188	-2.10	-0.55	-0.11	3.66e-04	0.0	4.31e-05
1161	203	-0.88	2.48	-0.10	-1.63e-03	0.0	-6.29e-05
1161	212	-2.45	0.33	-0.13	-2.17e-04	0.0	-4.93e-05
1161	215	-2.40	1.72	-0.14	-1.13e-03	0.0	-8.64e-05
1161	235	-1.03	2.94	-0.10	-1.94e-03	0.0	-7.39e-05
1161	256	-0.13	1.14e-03	-0.08	0.0	0.0	4.90e-06
1161	264	-0.18	-6.35e-03	-0.07	4.47e-06	0.0	6.19e-06
1161	275	-0.04	0.17	-0.06	-1.14e-04	0.0	4.13e-06
1161	298	-0.04	7.75e-03	-0.06	-5.01e-06	0.0	2.53e-06
1161	305	-0.07	4.33e-03	-0.06	-2.71e-06	0.0	3.19e-06
1161	307	-0.04	0.04	-0.06	-2.63e-05	0.0	2.84e-06
1161	310	-0.04	7.11e-03	-0.06	-4.57e-06	0.0	2.52e-06
1162	28	-0.07	-6.34e-04	-0.03	1.15e-06	0.0	2.60e-06
1162	44	-0.09	-4.68e-03	-0.03	9.23e-06	0.0	3.28e-06
1162	67	-0.02	0.08	-0.03	-1.69e-04	0.0	2.29e-06
1162	115	-0.52	0.39	-0.06	-7.69e-04	0.0	-2.43e-05
1162	116	-0.59	0.11	-0.06	-2.19e-04	0.0	-1.39e-05
1162	139	-0.25	0.73	-0.04	-1.45e-03	0.0	-2.41e-05
1162	147	-0.58	0.44	-0.07	-8.65e-04	0.0	-2.73e-05
1162	156	-0.66	-0.18	-0.06	3.62e-04	0.0	1.50e-05
1162	171	-0.28	0.83	-0.04	-1.64e-03	0.0	-2.71e-05
1162	179	-0.57	0.43	-0.07	-8.63e-04	0.0	-2.64e-05
1162	188	-0.65	-0.19	-0.06	3.72e-04	0.0	1.45e-05
1162	203	-0.27	0.84	-0.04	-1.67e-03	0.0	-2.61e-05
1162	211	-0.67	0.51	-0.08	-1.02e-03	0.0	-3.09e-05
1162	212	-0.75	0.12	-0.07	-2.44e-04	0.0	-1.77e-05
1162	235	-0.32	1.00	-0.04	-1.98e-03	0.0	-3.08e-05
1162	256	-0.05	-4.04e-04	-0.02	0.0	0.0	1.81e-06
1162	264	-0.06	-3.10e-03	-0.02	6.11e-06	0.0	2.26e-06
1162	275	-0.02	0.06	-0.02	-1.13e-04	0.0	1.61e-06
1162	298	-0.02	2.17e-03	-0.02	-4.41e-06	0.0	0.0
1162	305	-0.02	9.31e-04	-0.02	-1.93e-06	0.0	1.21e-06
1162	307	-0.02	0.01	-0.02	-2.57e-05	0.0	1.11e-06
1162	310	-0.02	1.96e-03	-0.02	-3.99e-06	0.0	0.0
1163	1	0.0	0.0	0.0	-6.75e-06	0.0	0.0
1163	113	0.0	0.0	0.0	2.12e-04	0.0	1.95e-06
1163	145	0.0	0.0	0.0	2.35e-04	0.0	2.16e-06
1163	177	0.0	0.0	0.0	2.13e-04	0.0	2.10e-06
1163	209	0.0	0.0	0.0	2.37e-04	0.0	2.39e-06
1163	241	0.0	0.0	0.0	-4.54e-06	0.0	0.0
1163	297	0.0	0.0	0.0	-1.44e-06	0.0	0.0
1163	309	0.0	0.0	0.0	-1.44e-06	0.0	0.0
1164	28	-0.14	-1.22e-03	-0.07	1.07e-06	0.0	4.86e-06
1164	44	-0.18	-9.31e-03	-0.07	9.16e-06	0.0	6.17e-06
1164	67	-0.04	0.17	-0.05	-1.69e-04	0.0	4.13e-06
1164	115	-1.09	0.77	-0.13	-7.62e-04	0.0	-4.87e-05
1164	116	-1.22	0.22	-0.12	-2.16e-04	0.0	-2.73e-05
1164	139	-0.51	1.46	-0.07	-1.44e-03	0.0	-4.44e-05
1164	147	-1.22	0.87	-0.14	-8.57e-04	0.0	-5.47e-05
1164	156	-1.37	-0.36	-0.13	3.59e-04	0.0	3.02e-05
1164	171	-0.57	1.64	-0.08	-1.62e-03	0.0	-4.99e-05
1164	179	-1.20	0.87	-0.14	-8.55e-04	0.0	-5.29e-05
1164	188	-1.35	-0.37	-0.13	3.69e-04	0.0	2.95e-05
1164	203	-0.57	1.68	-0.08	-1.65e-03	0.0	-4.79e-05
1164	211	-1.39	1.02	-0.16	-1.01e-03	0.0	-6.21e-05
1164	212	-1.57	0.24	-0.15	-2.40e-04	0.0	-3.44e-05
1164	235	-0.66	1.99	-0.08	-1.96e-03	0.0	-5.63e-05
1164	256	-0.09	-7.72e-04	-0.05	0.0	0.0	3.38e-06
1164	264	-0.12	-6.17e-03	-0.05	6.06e-06	0.0	4.25e-06
1164	275	-0.03	0.11	-0.04	-1.13e-04	0.0	2.90e-06
1164	298	-0.03	4.38e-03	-0.04	-4.45e-06	0.0	1.78e-06
1164	305	-0.05	1.89e-03	-0.04	-1.97e-06	0.0	2.22e-06
1164	307	-0.03	0.03	-0.03	-2.57e-05	0.0	2.00e-06
1164	310	-0.03	3.96e-03	-0.03	-4.03e-06	0.0	1.78e-06
1165	28	-0.20	-1.74e-03	-0.10	1.01e-06	0.0	6.83e-06
1165	44	-0.27	-0.01	-0.10	9.09e-06	0.0	8.75e-06
1165	67	-0.06	0.25	-0.08	-1.69e-04	0.0	5.44e-06
1165	115	-1.69	1.15	-0.20	-7.52e-04	0.0	-6.99e-05

1165	124	-1.90	-0.48	-0.18	3.13e-04	0.0	4.00e-05
1165	139	-0.80	2.17	-0.11	-1.41e-03	0.0	-5.49e-05
1165	147	-1.89	1.29	-0.22	-8.46e-04	0.0	-7.87e-05
1165	156	-2.13	-0.54	-0.19	3.55e-04	0.0	4.46e-05
1165	171	-0.89	2.45	-0.12	-1.60e-03	0.0	-6.18e-05
1165	179	-1.86	1.29	-0.21	-8.44e-04	0.0	-7.65e-05
1165	188	-2.10	-0.56	-0.19	3.65e-04	0.0	4.38e-05
1165	203	-0.88	2.50	-0.12	-1.63e-03	0.0	-5.86e-05
1165	211	-2.16	1.52	-0.24	-9.95e-04	0.0	-8.99e-05
1165	212	-2.44	0.36	-0.22	-2.35e-04	0.0	-4.65e-05
1165	235	-1.03	2.97	-0.13	-1.93e-03	0.0	-6.87e-05
1165	256	-0.13	-1.10e-03	-0.07	0.0	0.0	4.74e-06
1165	264	-0.18	-9.19e-03	-0.07	6.02e-06	0.0	6.02e-06
1165	275	-0.04	0.17	-0.06	-1.13e-04	0.0	3.81e-06
1165	298	-0.04	6.62e-03	-0.05	-4.49e-06	0.0	2.40e-06
1165	305	-0.07	2.89e-03	-0.05	-2.01e-06	0.0	3.05e-06
1165	307	-0.04	0.04	-0.05	-2.58e-05	0.0	2.66e-06
1165	310	-0.04	5.98e-03	-0.05	-4.07e-06	0.0	2.38e-06
1166	44	-0.09	-6.16e-03	-0.05	1.14e-05	0.0	3.21e-06
1166	67	-0.02	0.08	-0.03	-1.68e-04	0.0	2.22e-06
1166	116	-0.58	0.12	-0.20	-2.32e-04	0.0	-1.37e-05
1166	139	-0.25	0.74	-0.09	-1.46e-03	0.0	-2.36e-05
1166	148	-0.65	0.13	-0.22	-2.58e-04	0.0	-1.54e-05
1166	156	-0.65	-0.18	-0.22	3.65e-04	0.0	1.51e-05
1166	171	-0.27	0.83	-0.10	-1.65e-03	0.0	-2.65e-05
1166	180	-0.64	0.12	-0.22	-2.35e-04	0.0	-1.49e-05
1166	188	-0.64	-0.19	-0.22	3.74e-04	0.0	1.47e-05
1166	203	-0.27	0.85	-0.10	-1.68e-03	0.0	-2.55e-05
1166	212	-0.75	0.13	-0.26	-2.61e-04	0.0	-1.74e-05
1166	235	-0.32	1.01	-0.11	-1.99e-03	0.0	-3.00e-05
1166	264	-0.06	-4.12e-03	-0.04	7.62e-06	0.0	2.22e-06
1166	275	-0.02	0.06	-0.02	-1.12e-04	0.0	1.56e-06
1166	305	-0.02	3.92e-04	-0.02	-1.16e-06	0.0	1.18e-06
1166	307	-0.02	0.01	-0.02	-2.50e-05	0.0	1.07e-06
1166	310	-0.02	1.53e-03	-0.02	-3.39e-06	0.0	0.0
1167	1	0.0	0.0	0.0	-6.26e-06	0.0	0.0
1167	113	0.0	0.0	0.0	2.27e-04	0.0	1.82e-06
1167	145	0.0	0.0	0.0	2.52e-04	0.0	2.02e-06
1167	177	0.0	0.0	0.0	2.30e-04	0.0	1.95e-06
1167	209	0.0	0.0	0.0	2.56e-04	0.0	2.23e-06
1167	241	0.0	0.0	0.0	-4.16e-06	0.0	0.0
1167	297	0.0	0.0	0.0	0.0	0.0	0.0
1167	309	0.0	0.0	0.0	0.0	0.0	0.0
1168	44	-0.18	-0.01	-0.10	1.12e-05	0.0	6.10e-06
1168	67	-0.04	0.17	-0.05	-1.68e-04	0.0	4.03e-06
1168	116	-1.22	0.24	-0.37	-2.29e-04	0.0	-2.67e-05
1168	139	-0.51	1.47	-0.17	-1.44e-03	0.0	-4.34e-05
1168	148	-1.37	0.26	-0.41	-2.54e-04	0.0	-3.01e-05
1168	156	-1.37	-0.37	-0.41	3.61e-04	0.0	3.04e-05
1168	171	-0.57	1.66	-0.19	-1.63e-03	0.0	-4.88e-05
1168	180	-1.35	0.24	-0.40	-2.31e-04	0.0	-2.89e-05
1168	188	-1.35	-0.38	-0.40	3.70e-04	0.0	2.97e-05
1168	203	-0.57	1.69	-0.19	-1.66e-03	0.0	-4.67e-05
1168	212	-1.57	0.27	-0.47	-2.57e-04	0.0	-3.37e-05
1168	235	-0.66	2.01	-0.21	-1.97e-03	0.0	-5.49e-05
1168	264	-0.12	-8.13e-03	-0.07	7.44e-06	0.0	4.20e-06
1168	275	-0.03	0.11	-0.04	-1.12e-04	0.0	2.82e-06
1168	305	-0.05	8.74e-04	-0.04	-1.29e-06	0.0	2.18e-06
1168	307	-0.03	0.02	-0.04	-2.52e-05	0.0	1.95e-06
1168	310	-0.03	3.15e-03	-0.04	-3.52e-06	0.0	1.74e-06
1169	44	-0.27	-0.02	-0.13	1.09e-05	0.0	8.70e-06
1169	67	-0.06	0.25	-0.08	-1.69e-04	0.0	5.34e-06
1169	116	-1.90	0.35	-0.51	-2.24e-04	0.0	-3.65e-05
1169	124	-1.90	-0.48	-0.50	3.13e-04	0.0	4.02e-05
1169	139	-0.80	2.19	-0.24	-1.41e-03	0.0	-5.39e-05
1169	148	-2.13	0.39	-0.56	-2.48e-04	0.0	-4.11e-05
1169	156	-2.13	-0.55	-0.56	3.55e-04	0.0	4.48e-05
1169	171	-0.89	2.47	-0.26	-1.60e-03	0.0	-6.06e-05
1169	180	-2.10	0.36	-0.56	-2.26e-04	0.0	-3.93e-05
1169	188	-2.10	-0.56	-0.55	3.64e-04	0.0	4.41e-05
1169	203	-0.88	2.52	-0.26	-1.63e-03	0.0	-5.74e-05
1169	212	-2.44	0.39	-0.64	-2.51e-04	0.0	-4.57e-05
1169	235	-1.03	2.99	-0.29	-1.93e-03	0.0	-6.73e-05
1169	264	-0.18	-0.01	-0.09	7.27e-06	0.0	5.98e-06
1169	275	-0.04	0.17	-0.06	-1.12e-04	0.0	3.75e-06

1169	305	-0.07	1.47e-03	-0.06	-1.43e-06	0.0	3.02e-06
1169	307	-0.04	0.04	-0.05	-2.53e-05	0.0	2.63e-06
1169	310	-0.04	4.89e-03	-0.05	-3.65e-06	0.0	2.35e-06
1170	44	-0.36	-8.00e-03	-0.18	5.08e-06	0.0	1.12e-05
1170	52	-0.08	0.22	-0.21	-1.07e-04	0.0	6.36e-06
1170	67	-0.07	0.34	-0.17	-1.70e-04	0.0	6.88e-06
1170	124	-2.61	-0.63	-0.09	3.15e-04	0.0	5.18e-05
1170	139	-0.45	2.84	-0.15	-1.41e-03	0.0	-6.40e-05
1170	141	1.00	2.59	-0.16	-1.29e-03	0.0	-5.03e-05
1170	156	-2.93	-0.71	-0.08	3.57e-04	0.0	5.79e-05
1170	171	-0.49	3.21	-0.15	-1.60e-03	0.0	-7.19e-05
1170	173	1.14	2.93	-0.16	-1.46e-03	0.0	-5.66e-05
1170	188	-2.88	-0.73	-0.08	3.68e-04	0.0	5.71e-05
1170	203	-0.48	3.28	-0.15	-1.63e-03	0.0	-6.78e-05
1170	205	1.12	3.00	-0.16	-1.49e-03	0.0	-5.31e-05
1170	212	-3.36	0.40	-0.08	-1.97e-04	0.0	-6.01e-05
1170	235	-0.55	3.89	-0.16	-1.94e-03	0.0	-7.93e-05
1170	237	1.32	3.56	-0.17	-1.78e-03	0.0	-6.21e-05
1170	264	-0.24	-5.04e-03	-0.12	3.30e-06	0.0	7.70e-06
1170	268	-0.06	0.15	-0.15	-7.16e-05	0.0	4.47e-06
1170	275	-0.05	0.23	-0.12	-1.14e-04	0.0	4.82e-06
1170	298	-0.05	0.01	-0.12	-5.25e-06	0.0	2.91e-06
1170	305	-0.08	7.40e-03	-0.11	-3.10e-06	0.0	3.77e-06
1170	307	-0.04	0.05	-0.11	-2.65e-05	0.0	3.27e-06
1170	310	-0.04	0.01	-0.11	-4.77e-06	0.0	2.89e-06
1171	44	-0.44	-0.01	-0.22	5.16e-06	0.0	1.27e-05
1171	52	-0.08	0.27	-0.26	-1.07e-04	0.0	5.78e-06
1171	67	-0.07	0.43	-0.22	-1.70e-04	0.0	5.89e-06
1171	124	-3.34	-0.79	-0.11	3.14e-04	0.0	6.57e-05
1171	139	-0.56	3.55	-0.18	-1.41e-03	0.0	-5.91e-05
1171	141	1.30	3.23	-0.19	-1.28e-03	0.0	-4.43e-05
1171	156	-3.75	-0.89	-0.11	3.56e-04	0.0	7.36e-05
1171	171	-0.62	4.01	-0.19	-1.59e-03	0.0	-6.63e-05
1171	173	1.47	3.66	-0.20	-1.45e-03	0.0	-4.98e-05
1171	188	-3.69	-0.92	-0.11	3.67e-04	0.0	7.32e-05
1171	203	-0.60	4.09	-0.19	-1.63e-03	0.0	-6.12e-05
1171	205	1.46	3.75	-0.20	-1.49e-03	0.0	-4.52e-05
1171	212	-4.30	0.50	-0.11	-1.95e-04	0.0	-6.07e-05
1171	235	-0.69	4.85	-0.20	-1.93e-03	0.0	-7.09e-05
1171	237	1.71	4.45	-0.21	-1.77e-03	0.0	-5.22e-05
1171	264	-0.30	-6.82e-03	-0.16	3.38e-06	0.0	8.69e-06
1171	268	-0.06	0.18	-0.18	-7.16e-05	0.0	4.08e-06
1171	275	-0.05	0.29	-0.15	-1.14e-04	0.0	4.15e-06
1171	298	-0.05	0.01	-0.15	-5.28e-06	0.0	2.87e-06
1171	305	-0.09	8.84e-03	-0.14	-3.08e-06	0.0	3.93e-06
1171	307	-0.05	0.07	-0.14	-2.64e-05	0.0	3.10e-06
1171	310	-0.05	0.01	-0.14	-4.77e-06	0.0	2.84e-06
1172	28	-0.25	1.81e-03	-0.15	0.0	0.0	8.57e-06
1172	44	-0.36	-0.01	-0.13	6.97e-06	0.0	1.11e-05
1172	67	-0.07	0.34	-0.12	-1.70e-04	0.0	6.41e-06
1172	119	-2.36	1.72	-0.16	-8.45e-04	0.0	-8.01e-05
1172	124	-2.61	-0.63	-0.14	3.11e-04	0.0	5.25e-05
1172	139	-0.45	2.86	-0.12	-1.40e-03	0.0	-5.94e-05
1172	151	-2.65	1.94	-0.17	-9.51e-04	0.0	-9.00e-05
1172	156	-2.93	-0.72	-0.15	3.53e-04	0.0	5.87e-05
1172	171	-0.49	3.23	-0.13	-1.58e-03	0.0	-6.67e-05
1172	183	-2.60	1.94	-0.17	-9.52e-04	0.0	-8.66e-05
1172	188	-2.88	-0.74	-0.15	3.63e-04	0.0	5.80e-05
1172	203	-0.48	3.30	-0.13	-1.62e-03	0.0	-6.24e-05
1172	212	-3.36	0.44	-0.17	-2.13e-04	0.0	-5.63e-05
1172	215	-3.03	2.28	-0.18	-1.12e-03	0.0	-1.01e-04
1172	235	-0.55	3.91	-0.14	-1.92e-03	0.0	-7.29e-05
1172	256	-0.17	1.39e-03	-0.10	0.0	0.0	5.94e-06
1172	264	-0.24	-8.63e-03	-0.09	4.58e-06	0.0	7.61e-06
1172	275	-0.05	0.23	-0.09	-1.14e-04	0.0	4.49e-06
1172	298	-0.05	0.01	-0.08	-4.95e-06	0.0	2.87e-06
1172	305	-0.08	5.64e-03	-0.08	-2.62e-06	0.0	3.72e-06
1172	307	-0.04	0.05	-0.08	-2.62e-05	0.0	3.16e-06
1172	310	-0.04	9.36e-03	-0.08	-4.49e-06	0.0	2.84e-06
1173	28	-0.31	2.13e-03	-0.19	0.0	0.0	1.00e-05
1173	44	-0.44	-0.02	-0.17	7.07e-06	0.0	1.30e-05
1173	67	-0.07	0.43	-0.16	-1.70e-04	0.0	6.46e-06
1173	119	-3.02	2.14	-0.20	-8.36e-04	0.0	-8.85e-05
1173	124	-3.33	-0.79	-0.18	3.09e-04	0.0	6.64e-05
1173	139	-0.56	3.56	-0.16	-1.39e-03	0.0	-5.80e-05

1173	151	-3.38	2.41	-0.21	-9.41e-04	0.0	-9.95e-05
1173	156	-3.74	-0.89	-0.19	3.50e-04	0.0	7.43e-05
1173	171	-0.62	4.02	-0.16	-1.57e-03	0.0	-6.51e-05
1173	183	-3.33	2.41	-0.21	-9.41e-04	0.0	-9.58e-05
1173	188	-3.69	-0.92	-0.19	3.61e-04	0.0	7.41e-05
1173	203	-0.60	4.10	-0.16	-1.60e-03	0.0	-6.04e-05
1173	212	-4.30	0.55	-0.21	-2.09e-04	0.0	-5.76e-05
1173	215	-3.87	2.84	-0.23	-1.11e-03	0.0	-1.12e-04
1173	235	-0.68	4.86	-0.17	-1.90e-03	0.0	-7.01e-05
1173	256	-0.21	1.63e-03	-0.13	0.0	0.0	6.91e-06
1173	264	-0.30	-0.01	-0.12	4.66e-06	0.0	8.89e-06
1173	275	-0.05	0.28	-0.11	-1.13e-04	0.0	4.53e-06
1173	298	-0.05	0.01	-0.11	-4.92e-06	0.0	3.14e-06
1173	305	-0.09	6.93e-03	-0.10	-2.58e-06	0.0	4.16e-06
1173	307	-0.04	0.07	-0.10	-2.61e-05	0.0	3.35e-06
1173	310	-0.04	0.01	-0.10	-4.45e-06	0.0	3.08e-06
1174	28	-0.25	-2.22e-03	-0.14	0.0	0.0	8.58e-06
1174	44	-0.36	-0.02	-0.13	9.06e-06	0.0	1.10e-05
1174	67	-0.07	0.34	-0.10	-1.69e-04	0.0	6.23e-06
1174	115	-2.31	1.52	-0.26	-7.40e-04	0.0	-8.94e-05
1174	124	-2.60	-0.63	-0.24	3.09e-04	0.0	5.31e-05
1174	139	-0.45	2.87	-0.15	-1.39e-03	0.0	-5.69e-05
1174	147	-2.59	1.71	-0.29	-8.32e-04	0.0	-1.01e-04
1174	156	-2.92	-0.72	-0.26	3.50e-04	0.0	5.94e-05
1174	171	-0.49	3.24	-0.16	-1.57e-03	0.0	-6.39e-05
1174	179	-2.54	1.71	-0.28	-8.31e-04	0.0	-9.84e-05
1174	188	-2.88	-0.74	-0.26	3.60e-04	0.0	5.88e-05
1174	203	-0.48	3.31	-0.16	-1.60e-03	0.0	-5.96e-05
1174	211	-2.96	2.02	-0.32	-9.79e-04	0.0	-1.16e-04
1174	212	-3.35	0.48	-0.29	-2.30e-04	0.0	-5.36e-05
1174	235	-0.55	3.92	-0.17	-1.90e-03	0.0	-6.95e-05
1174	256	-0.17	-1.40e-03	-0.09	0.0	0.0	5.94e-06
1174	264	-0.24	-0.01	-0.09	5.99e-06	0.0	7.56e-06
1174	275	-0.05	0.23	-0.07	-1.13e-04	0.0	4.37e-06
1174	298	-0.05	8.88e-03	-0.07	-4.51e-06	0.0	2.86e-06
1174	305	-0.08	3.90e-03	-0.07	-2.03e-06	0.0	3.70e-06
1174	307	-0.04	0.05	-0.07	-2.58e-05	0.0	3.12e-06
1174	310	-0.04	8.04e-03	-0.07	-4.09e-06	0.0	2.82e-06
1175	28	-0.30	-2.70e-03	-0.18	1.02e-06	0.0	1.03e-05
1175	44	-0.44	-0.02	-0.17	9.09e-06	0.0	1.32e-05
1175	67	-0.06	0.42	-0.14	-1.69e-04	0.0	6.75e-06
1175	115	-2.95	1.89	-0.33	-7.28e-04	0.0	-4.51e-05
1175	124	-3.33	-0.79	-0.30	3.05e-04	0.0	5.04e-06
1175	139	-0.56	3.56	-0.19	-1.37e-03	0.0	-5.79e-05
1175	147	-3.31	2.13	-0.36	-8.19e-04	0.0	-5.08e-05
1175	156	-3.74	-0.89	-0.32	3.45e-04	0.0	5.10e-06
1175	171	-0.62	4.02	-0.20	-1.54e-03	0.0	-6.51e-05
1175	179	-3.25	2.12	-0.36	-8.18e-04	0.0	-4.78e-05
1175	188	-3.69	-0.92	-0.32	3.55e-04	0.0	3.74e-06
1175	203	-0.60	4.10	-0.20	-1.57e-03	0.0	-6.07e-05
1175	211	-3.78	2.50	-0.40	-9.64e-04	0.0	-5.52e-05
1175	212	-4.29	0.59	-0.37	-2.24e-04	0.0	-1.40e-04
1175	235	-0.68	4.86	-0.21	-1.87e-03	0.0	-7.06e-05
1175	256	-0.20	-1.69e-03	-0.12	0.0	0.0	7.08e-06
1175	264	-0.30	-0.02	-0.12	6.01e-06	0.0	8.99e-06
1175	275	-0.05	0.28	-0.10	-1.13e-04	0.0	4.73e-06
1175	298	-0.05	0.01	-0.09	-4.49e-06	0.0	3.28e-06
1175	305	-0.09	4.93e-03	-0.09	-2.01e-06	0.0	4.28e-06
1175	307	-0.04	0.06	-0.09	-2.58e-05	0.0	3.49e-06
1175	310	-0.04	0.01	-0.09	-4.07e-06	0.0	3.20e-06
1176	44	-0.36	-0.02	-0.17	1.08e-05	0.0	1.10e-05
1176	67	-0.06	0.34	-0.10	-1.69e-04	0.0	6.20e-06
1176	116	-2.60	0.46	-0.63	-2.17e-04	0.0	-4.25e-05
1176	124	-2.60	-0.64	-0.62	3.07e-04	0.0	5.33e-05
1176	139	-0.45	2.88	-0.29	-1.38e-03	0.0	-5.63e-05
1176	148	-2.92	0.51	-0.69	-2.41e-04	0.0	-4.79e-05
1176	156	-2.92	-0.72	-0.69	3.48e-04	0.0	5.96e-05
1176	171	-0.49	3.26	-0.32	-1.56e-03	0.0	-6.32e-05
1176	180	-2.88	0.47	-0.68	-2.19e-04	0.0	-4.54e-05
1176	188	-2.88	-0.74	-0.68	3.57e-04	0.0	5.91e-05
1176	203	-0.48	3.32	-0.32	-1.59e-03	0.0	-5.89e-05
1176	212	-3.35	0.52	-0.79	-2.43e-04	0.0	-5.27e-05
1176	235	-0.55	3.94	-0.36	-1.89e-03	0.0	-6.87e-05
1176	264	-0.24	-0.02	-0.12	7.14e-06	0.0	7.55e-06
1176	275	-0.05	0.22	-0.07	-1.13e-04	0.0	4.34e-06

1176	305	-0.08	2.17e-03	-0.08	-1.52e-06	0.0	3.69e-06
1176	307	-0.04	0.05	-0.07	-2.54e-05	0.0	3.11e-06
1176	310	-0.04	6.71e-03	-0.07	-3.74e-06	0.0	2.82e-06
1177	44	-0.44	-0.03	-0.21	1.07e-05	0.0	1.32e-05
1177	67	-0.06	0.42	-0.13	-1.69e-04	0.0	6.80e-06
1177	116	-3.33	0.57	-0.73	-2.11e-04	0.0	-1.07e-04
1177	124	-3.33	-0.79	-0.72	3.02e-04	0.0	4.89e-06
1177	139	-0.56	3.56	-0.34	-1.35e-03	0.0	-5.80e-05
1177	148	-3.73	0.63	-0.80	-2.34e-04	0.0	-1.21e-04
1177	156	-3.74	-0.89	-0.79	3.42e-04	0.0	4.92e-06
1177	171	-0.62	4.02	-0.38	-1.52e-03	0.0	-6.53e-05
1177	180	-3.68	0.58	-0.79	-2.13e-04	0.0	-1.19e-04
1177	188	-3.69	-0.92	-0.78	3.51e-04	0.0	3.54e-06
1177	203	-0.60	4.10	-0.37	-1.56e-03	0.0	-6.10e-05
1177	212	-4.29	0.64	-0.91	-2.36e-04	0.0	-1.40e-04
1177	235	-0.68	4.87	-0.42	-1.84e-03	0.0	-7.10e-05
1177	264	-0.29	-0.02	-0.14	7.09e-06	0.0	9.01e-06
1177	275	-0.04	0.28	-0.10	-1.13e-04	0.0	4.75e-06
1177	305	-0.09	2.90e-03	-0.10	-1.55e-06	0.0	4.29e-06
1177	307	-0.04	0.06	-0.09	-2.55e-05	0.0	3.51e-06
1177	310	-0.04	8.57e-03	-0.09	-3.75e-06	0.0	3.21e-06
1178	44	-0.51	-0.01	-0.29	5.05e-06	0.0	1.41e-05
1178	52	-0.08	0.32	-0.34	-1.08e-04	0.0	5.42e-06
1178	67	-0.06	0.51	-0.28	-1.71e-04	0.0	5.04e-06
1178	124	-4.00	-0.93	-0.15	3.13e-04	0.0	2.23e-06
1178	139	-0.66	4.18	-0.23	-1.40e-03	0.0	-6.79e-05
1178	141	1.58	3.81	-0.24	-1.28e-03	0.0	-5.24e-05
1178	156	-4.50	-1.05	-0.14	3.55e-04	0.0	1.90e-06
1178	171	-0.73	4.72	-0.24	-1.59e-03	0.0	-7.65e-05
1178	173	1.79	4.31	-0.25	-1.45e-03	0.0	-5.92e-05
1178	188	-4.43	-1.08	-0.14	3.66e-04	0.0	0.0
1178	203	-0.70	4.82	-0.24	-1.62e-03	0.0	-7.31e-05
1178	205	1.77	4.41	-0.25	-1.48e-03	0.0	-5.63e-05
1178	212	-5.16	0.59	-0.14	-1.94e-04	0.0	-1.65e-04
1178	235	-0.81	5.72	-0.25	-1.92e-03	0.0	-8.55e-05
1178	237	2.08	5.24	-0.27	-1.76e-03	0.0	-6.57e-05
1178	264	-0.34	-8.34e-03	-0.20	3.31e-06	0.0	9.61e-06
1178	268	-0.05	0.21	-0.23	-7.18e-05	0.0	3.82e-06
1178	275	-0.04	0.34	-0.20	-1.14e-04	0.0	3.56e-06
1178	298	-0.04	0.02	-0.19	-5.42e-06	0.0	2.95e-06
1178	305	-0.10	0.01	-0.18	-3.18e-06	0.0	4.15e-06
1178	307	-0.04	0.08	-0.18	-2.65e-05	0.0	3.00e-06
1178	310	-0.04	0.02	-0.18	-4.88e-06	0.0	2.88e-06
1179	44	-0.57	-0.02	-0.37	-7.94e-05	0.0	7.06e-06
1179	52	-0.05	0.37	-0.44	-1.85e-04	0.0	-3.09e-06
1179	67	-0.04	0.58	-0.36	-2.20e-04	0.0	0.0
1179	124	-4.67	-1.07	-0.19	2.67e-04	0.0	-6.53e-06
1179	139	-0.74	4.81	-0.29	-1.50e-03	0.0	3.73e-05
1179	141	1.88	4.38	-0.31	-1.37e-03	0.0	5.26e-05
1179	156	-5.25	-1.21	-0.19	3.10e-04	0.0	-7.39e-06
1179	171	-0.83	5.43	-0.30	-1.68e-03	0.0	4.25e-05
1179	173	2.12	4.95	-0.31	-1.54e-03	0.0	5.96e-05
1179	188	-5.18	-1.25	-0.19	3.21e-04	0.0	-9.86e-06
1179	203	-0.80	5.55	-0.30	-1.72e-03	0.0	4.26e-05
1179	205	2.10	5.08	-0.32	-1.58e-03	0.0	5.94e-05
1179	212	-6.03	0.67	-0.19	-2.41e-04	0.0	-1.94e-04
1179	235	-0.92	6.58	-0.32	-2.03e-03	0.0	5.09e-05
1179	237	2.46	6.03	-0.33	-1.87e-03	0.0	7.07e-05
1179	264	-0.38	-9.74e-03	-0.26	-5.56e-05	0.0	4.61e-06
1179	268	-0.04	0.25	-0.30	-1.26e-04	0.0	-2.15e-06
1179	275	-0.03	0.39	-0.25	-1.49e-04	0.0	0.0
1179	298	-0.03	0.02	-0.25	-5.77e-05	0.0	-2.58e-06
1179	305	-0.10	0.01	-0.23	-5.32e-05	0.0	0.0
1179	307	-0.03	0.09	-0.24	-7.27e-05	0.0	-2.02e-06
1179	310	-0.03	0.02	-0.23	-5.44e-05	0.0	-2.41e-06
1180	28	-0.34	2.42e-03	-0.25	0.0	0.0	1.16e-05
1180	44	-0.51	-0.02	-0.23	7.14e-06	0.0	1.48e-05
1180	67	-0.06	0.50	-0.20	-1.70e-04	0.0	6.69e-06
1180	119	-3.62	2.52	-0.25	-8.29e-04	0.0	-9.85e-05
1180	124	-4.00	-0.92	-0.22	3.07e-04	0.0	2.10e-06
1180	139	-0.65	4.17	-0.20	-1.38e-03	0.0	-7.01e-05
1180	151	-4.06	2.83	-0.26	-9.33e-04	0.0	-1.11e-04
1180	156	-4.49	-1.05	-0.23	3.48e-04	0.0	1.68e-06
1180	171	-0.73	4.72	-0.20	-1.55e-03	0.0	-7.91e-05
1180	183	-3.99	2.83	-0.26	-9.34e-04	0.0	-1.08e-04

1180	188	-4.43	-1.08	-0.23	3.59e-04	0.0	0.0
1180	203	-0.70	4.81	-0.20	-1.59e-03	0.0	-7.63e-05
1180	212	-5.16	0.64	-0.26	-2.06e-04	0.0	-1.64e-04
1180	215	-4.65	3.33	-0.28	-1.10e-03	0.0	-1.27e-04
1180	235	-0.80	5.71	-0.22	-1.88e-03	0.0	-8.97e-05
1180	256	-0.23	1.85e-03	-0.17	0.0	0.0	7.94e-06
1180	264	-0.34	-0.01	-0.16	4.71e-06	0.0	1.01e-05
1180	275	-0.04	0.34	-0.15	-1.13e-04	0.0	4.68e-06
1180	298	-0.04	0.01	-0.14	-4.89e-06	0.0	3.50e-06
1180	305	-0.10	8.09e-03	-0.14	-2.55e-06	0.0	4.65e-06
1180	307	-0.04	0.08	-0.14	-2.61e-05	0.0	3.62e-06
1180	310	-0.04	0.01	-0.13	-4.42e-06	0.0	3.39e-06
1181	28	-0.37	2.67e-03	-0.36	-1.37e-04	0.0	1.74e-06
1181	44	-0.57	-0.02	-0.32	-1.13e-04	0.0	6.98e-06
1181	67	-0.04	0.58	-0.29	-2.49e-04	0.0	0.0
1181	119	-4.22	2.89	-0.32	-9.70e-04	0.0	-7.94e-05
1181	124	-4.67	-1.06	-0.29	2.52e-04	0.0	-7.37e-06
1181	139	-0.74	4.79	-0.26	-1.57e-03	0.0	3.57e-05
1181	151	-4.74	3.25	-0.34	-1.08e-03	0.0	-8.88e-05
1181	156	-5.25	-1.20	-0.31	2.95e-04	0.0	-8.33e-06
1181	171	-0.83	5.41	-0.27	-1.77e-03	0.0	4.06e-05
1181	183	-4.66	3.25	-0.34	-1.08e-03	0.0	-8.67e-05
1181	188	-5.18	-1.24	-0.30	3.06e-04	0.0	-1.07e-05
1181	203	-0.80	5.52	-0.27	-1.80e-03	0.0	4.07e-05
1181	212	-6.03	0.73	-0.34	-2.93e-04	0.0	-1.95e-04
1181	215	-5.42	3.82	-0.36	-1.26e-03	0.0	-1.01e-04
1181	235	-0.92	6.55	-0.29	-2.13e-03	0.0	4.86e-05
1181	256	-0.25	2.03e-03	-0.25	-9.52e-05	0.0	1.07e-06
1181	264	-0.38	-0.02	-0.23	-7.89e-05	0.0	4.57e-06
1181	275	-0.03	0.39	-0.21	-1.69e-04	0.0	0.0
1181	298	-0.03	0.02	-0.20	-8.03e-05	0.0	-2.61e-06
1181	305	-0.10	9.21e-03	-0.19	-7.44e-05	0.0	0.0
1181	307	-0.03	0.09	-0.19	-9.35e-05	0.0	-2.04e-06
1181	310	-0.03	0.02	-0.19	-7.57e-05	0.0	-2.42e-06
1182	28	-0.34	-3.19e-03	-0.23	1.09e-06	0.0	1.19e-05
1182	44	-0.51	-0.03	-0.22	9.14e-06	0.0	1.50e-05
1182	67	-0.06	0.50	-0.18	-1.69e-04	0.0	7.21e-06
1182	115	-3.54	2.21	-0.40	-7.21e-04	0.0	-4.40e-05
1182	124	-4.00	-0.92	-0.36	3.02e-04	0.0	1.88e-06
1182	139	-0.65	4.17	-0.23	-1.35e-03	0.0	-7.12e-05
1182	147	-3.97	2.49	-0.43	-8.11e-04	0.0	-4.94e-05
1182	156	-4.49	-1.05	-0.39	3.42e-04	0.0	1.40e-06
1182	171	-0.72	4.71	-0.24	-1.52e-03	0.0	-8.04e-05
1182	179	-3.90	2.49	-0.42	-8.10e-04	0.0	-4.61e-05
1182	188	-4.43	-1.07	-0.38	3.52e-04	0.0	0.0
1182	203	-0.70	4.80	-0.24	-1.56e-03	0.0	-7.79e-05
1182	211	-4.54	2.93	-0.48	-9.54e-04	0.0	-5.31e-05
1182	212	-5.16	0.69	-0.44	-2.20e-04	0.0	-1.63e-04
1182	235	-0.80	5.70	-0.26	-1.85e-03	0.0	-9.17e-05
1182	256	-0.23	-2.00e-03	-0.16	0.0	0.0	8.15e-06
1182	264	-0.34	-0.02	-0.15	6.04e-06	0.0	1.02e-05
1182	275	-0.04	0.33	-0.13	-1.13e-04	0.0	5.03e-06
1182	298	-0.04	0.01	-0.12	-4.45e-06	0.0	3.68e-06
1182	305	-0.10	5.82e-03	-0.12	-1.97e-06	0.0	4.80e-06
1182	307	-0.04	0.08	-0.12	-2.57e-05	0.0	3.82e-06
1182	310	-0.04	0.01	-0.12	-4.03e-06	0.0	3.55e-06
1183	28	-0.37	-3.76e-03	-0.33	-1.76e-04	0.0	2.71e-06
1183	44	-0.57	-0.03	-0.31	-1.45e-04	0.0	7.83e-06
1183	67	-0.04	0.58	-0.26	-2.77e-04	0.0	0.0
1183	115	-4.13	2.54	-0.49	-9.01e-04	0.0	-5.04e-05
1183	124	-4.67	-1.06	-0.44	2.36e-04	0.0	-7.03e-06
1183	139	-0.74	4.77	-0.30	-1.64e-03	0.0	3.67e-05
1183	147	-4.63	2.85	-0.52	-1.00e-03	0.0	-5.59e-05
1183	156	-5.25	-1.20	-0.48	2.79e-04	0.0	-8.01e-06
1183	171	-0.83	5.38	-0.31	-1.84e-03	0.0	4.17e-05
1183	179	-4.55	2.85	-0.52	-1.00e-03	0.0	-5.22e-05
1183	188	-5.18	-1.23	-0.47	2.90e-04	0.0	-1.04e-05
1183	203	-0.80	5.49	-0.31	-1.87e-03	0.0	4.18e-05
1183	211	-5.30	3.36	-0.58	-1.16e-03	0.0	-5.91e-05
1183	212	-6.03	0.79	-0.53	-3.43e-04	0.0	-1.95e-04
1183	235	-0.92	6.52	-0.33	-2.20e-03	0.0	4.98e-05
1183	256	-0.25	-2.35e-03	-0.23	-1.22e-04	0.0	1.75e-06
1183	264	-0.38	-0.02	-0.22	-1.01e-04	0.0	5.17e-06
1183	275	-0.03	0.38	-0.19	-1.89e-04	0.0	0.0
1183	298	-0.03	0.02	-0.18	-1.02e-04	0.0	-2.05e-06

1183	305	-0.10	6.67e-03	-0.18	-9.47e-05	0.0	0.0
1183	307	-0.03	0.09	-0.17	-1.13e-04	0.0	-1.51e-06
1183	310	-0.03	0.01	-0.17	-9.61e-05	0.0	-1.89e-06
1184	44	-0.50	-0.03	-0.26	1.07e-05	0.0	1.51e-05
1184	67	-0.05	0.50	-0.18	-1.69e-04	0.0	7.29e-06
1184	116	-3.99	0.66	-0.81	-2.07e-04	0.0	-1.23e-04
1184	124	-4.00	-0.92	-0.80	2.99e-04	0.0	1.82e-06
1184	139	-0.65	4.16	-0.40	-1.33e-03	0.0	-7.15e-05
1184	148	-4.48	0.73	-0.89	-2.29e-04	0.0	-1.39e-04
1184	156	-4.49	-1.04	-0.88	3.38e-04	0.0	1.33e-06
1184	171	-0.72	4.70	-0.43	-1.50e-03	0.0	-8.07e-05
1184	180	-4.42	0.67	-0.88	-2.09e-04	0.0	-1.38e-04
1184	188	-4.43	-1.07	-0.87	3.47e-04	0.0	0.0
1184	203	-0.70	4.79	-0.43	-1.53e-03	0.0	-7.83e-05
1184	212	-5.16	0.74	-1.01	-2.31e-04	0.0	-1.63e-04
1184	235	-0.80	5.68	-0.48	-1.82e-03	0.0	-9.21e-05
1184	264	-0.34	-0.02	-0.18	7.11e-06	0.0	1.03e-05
1184	275	-0.04	0.33	-0.12	-1.13e-04	0.0	5.08e-06
1184	305	-0.10	3.54e-03	-0.13	-1.53e-06	0.0	4.82e-06
1184	307	-0.04	0.07	-0.12	-2.54e-05	0.0	3.85e-06
1184	310	-0.04	0.01	-0.12	-3.73e-06	0.0	3.57e-06
1185	28	-0.37	-0.01	-0.36	-2.07e-04	0.0	6.99e-06
1185	44	-0.57	-0.04	-0.36	-1.71e-04	0.0	1.15e-05
1185	67	-0.04	0.57	-0.26	-2.99e-04	0.0	2.95e-06
1185	116	-4.67	0.76	-0.91	-3.54e-04	0.0	-1.45e-04
1185	124	-4.67	-1.05	-0.89	2.22e-04	0.0	-4.72e-06
1185	139	-0.74	4.74	-0.47	-1.69e-03	0.0	3.93e-05
1185	148	-5.24	0.84	-1.00	-3.81e-04	0.0	-1.63e-04
1185	156	-5.25	-1.19	-0.98	2.66e-04	0.0	-5.71e-06
1185	171	-0.83	5.36	-0.50	-1.89e-03	0.0	4.43e-05
1185	180	-5.17	0.76	-0.98	-3.57e-04	0.0	-1.62e-04
1185	188	-5.18	-1.23	-0.97	2.77e-04	0.0	-8.13e-06
1185	203	-0.80	5.47	-0.50	-1.93e-03	0.0	4.45e-05
1185	212	-6.03	0.85	-1.12	-3.84e-04	0.0	-1.92e-04
1185	235	-0.92	6.48	-0.55	-2.27e-03	0.0	5.26e-05
1185	256	-0.25	-6.74e-03	-0.25	-1.43e-04	0.0	4.72e-06
1185	264	-0.38	-0.03	-0.25	-1.19e-04	0.0	7.71e-06
1185	275	-0.03	0.38	-0.19	-2.05e-04	0.0	2.03e-06
1185	305	-0.10	4.14e-03	-0.19	-1.11e-04	0.0	1.85e-06
1185	307	-0.03	0.09	-0.18	-1.30e-04	0.0	0.0
1185	310	-0.03	0.01	-0.17	-1.13e-04	0.0	0.0
1186	1	0.0	0.0	0.0	0.0	0.0	0.0
1186	113	0.0	0.0	0.0	0.0	0.0	0.0
1186	145	0.0	0.0	0.0	0.0	0.0	0.0
1186	177	0.0	0.0	0.0	0.0	0.0	0.0
1186	209	0.0	0.0	0.0	0.0	0.0	0.0
1186	241	0.0	0.0	0.0	0.0	0.0	0.0
1186	297	0.0	0.0	0.0	0.0	0.0	0.0
1186	309	0.0	0.0	0.0	0.0	0.0	0.0
1187	1	0.0	0.0	0.0	0.0	0.0	0.0
1187	113	0.0	0.0	0.0	0.0	0.0	0.0
1187	145	0.0	0.0	0.0	0.0	0.0	0.0
1187	177	0.0	0.0	0.0	0.0	0.0	0.0
1187	209	0.0	0.0	0.0	0.0	0.0	0.0
1187	241	0.0	0.0	0.0	0.0	0.0	0.0
1187	297	0.0	0.0	0.0	0.0	0.0	0.0
1187	309	0.0	0.0	0.0	0.0	0.0	0.0
1188	28	-0.39	0.12	-0.24	2.26e-03	-1.46e-04	1.34e-05
1188	44	-0.61	0.11	-0.20	1.84e-03	-1.29e-04	1.70e-05
1188	68	-0.05	0.65	-0.20	1.89e-03	-9.41e-05	5.75e-06
1188	123	-4.70	1.56	-0.13	1.09e-03	-2.22e-04	8.36e-05
1188	128	-4.31	-1.23	-0.13	9.79e-04	-3.03e-04	1.60e-05
1188	137	0.69	5.33	-0.12	1.44e-03	1.22e-04	1.05e-04
1188	155	-5.28	1.76	-0.13	1.08e-03	-2.40e-04	9.38e-05
1188	160	-4.84	-1.40	-0.14	9.51e-04	-3.32e-04	1.74e-05
1188	169	0.78	6.02	-0.12	1.47e-03	1.47e-04	1.18e-04
1188	187	-5.20	1.82	-0.13	1.09e-03	-2.35e-04	9.45e-05
1188	192	-4.76	-1.45	-0.14	9.52e-04	-3.31e-04	1.67e-05
1188	201	0.75	6.18	-0.12	1.48e-03	1.51e-04	1.17e-04
1188	219	-6.04	2.17	-0.13	1.07e-03	-2.60e-04	1.11e-04
1188	224	-5.52	-1.74	-0.14	9.10e-04	-3.75e-04	1.83e-05
1188	233	0.88	7.33	-0.12	1.53e-03	1.92e-04	1.37e-04
1188	256	-0.26	0.08	-0.16	1.55e-03	-9.97e-05	9.11e-06
1188	264	-0.41	0.07	-0.14	1.28e-03	-8.83e-05	1.15e-05
1188	276	-0.04	0.43	-0.14	1.31e-03	-6.49e-05	4.01e-06

1188	298	-0.04	0.06	-0.14	1.29e-03	-7.49e-05	3.66e-06
1188	305	-0.11	0.06	-0.13	1.20e-03	-7.21e-05	4.98e-06
1188	307	-0.03	0.13	-0.13	1.20e-03	-6.74e-05	3.47e-06
1188	310	-0.04	0.05	-0.13	1.20e-03	-6.92e-05	3.44e-06
1189	4	0.12	0.09	-0.23	-2.34e-03	-1.27e-04	2.81e-06
1189	44	-0.49	0.11	-0.19	-1.93e-03	-1.29e-04	1.72e-05
1189	68	-0.02	0.65	-0.20	-1.93e-03	-9.41e-05	5.46e-06
1189	113	5.26	2.65	-0.13	-1.18e-03	1.36e-04	1.54e-04
1189	116	-5.29	-2.55	-0.12	-1.30e-03	-2.74e-04	-1.47e-04
1189	137	2.26	5.33	-0.13	-1.24e-03	1.22e-04	1.02e-04
1189	145	5.91	2.99	-0.13	-1.17e-03	1.62e-04	1.73e-04
1189	148	-5.94	-2.88	-0.12	-1.31e-03	-3.00e-04	-1.66e-04
1189	169	2.54	6.02	-0.13	-1.24e-03	1.47e-04	1.14e-04
1189	177	5.85	3.06	-0.13	-1.17e-03	1.62e-04	1.72e-04
1189	180	-5.88	-2.95	-0.12	-1.31e-03	-3.01e-04	-1.65e-04
1189	201	2.53	6.17	-0.13	-1.24e-03	1.51e-04	1.13e-04
1189	209	6.85	3.64	-0.13	-1.16e-03	2.04e-04	2.03e-04
1189	212	-6.87	-3.54	-0.12	-1.32e-03	-3.42e-04	-1.96e-04
1189	233	2.98	7.33	-0.13	-1.24e-03	1.92e-04	1.33e-04
1189	244	0.08	0.06	-0.16	-1.61e-03	-8.68e-05	2.05e-06
1189	264	-0.33	0.07	-0.14	-1.34e-03	-8.83e-05	1.17e-05
1189	276	-0.01	0.44	-0.14	-1.34e-03	-6.49e-05	3.81e-06
1189	298	-0.01	0.06	-0.13	-1.33e-03	-7.49e-05	3.58e-06
1189	305	-0.08	0.05	-0.12	-1.24e-03	-7.21e-05	4.95e-06
1189	307	-0.01	0.13	-0.12	-1.24e-03	-6.74e-05	3.38e-06
1189	310	-0.01	0.05	-0.12	-1.24e-03	-6.92e-05	3.37e-06
1190	43	-0.65	0.10	-11.25	-7.91e-04	-4.14e-03	0.0
1190	52	-0.03	0.44	-13.83	-1.02e-03	-5.08e-03	-8.91e-06
1190	68	-0.02	0.65	-11.48	-9.00e-04	-4.20e-03	-8.13e-06
1190	123	-4.77	1.48	-8.05	-9.16e-04	-2.80e-03	3.15e-05
1190	139	-1.52	5.24	-9.59	-1.81e-03	-3.24e-03	2.45e-05
1190	155	-5.36	1.66	-8.15	-9.70e-04	-2.81e-03	3.63e-05
1190	171	-1.71	5.92	-9.90	-1.98e-03	-3.31e-03	2.85e-05
1190	187	-5.28	1.71	-8.17	-9.83e-04	-2.82e-03	3.91e-05
1190	203	-1.66	6.06	-9.96	-2.02e-03	-3.33e-03	2.94e-05
1190	219	-6.13	2.04	-8.34	-1.08e-03	-2.85e-03	4.85e-05
1190	235	-1.92	7.19	-10.46	-2.31e-03	-3.45e-03	3.61e-05
1190	263	-0.43	0.07	-7.80	-5.47e-04	-2.87e-03	0.0
1190	268	-0.02	0.30	-9.51	-7.02e-04	-3.50e-03	-6.17e-06
1190	276	-0.02	0.44	-7.95	-6.19e-04	-2.90e-03	-5.65e-06
1190	298	-0.02	0.06	-7.79	-5.41e-04	-2.87e-03	-4.72e-06
1190	305	-0.10	0.06	-7.26	-5.04e-04	-2.67e-03	-3.69e-06
1190	307	-0.02	0.13	-7.28	-5.19e-04	-2.68e-03	-4.59e-06
1190	310	-0.02	0.06	-7.26	-5.03e-04	-2.67e-03	-4.47e-06
1191	28	-0.41	0.09	-0.06	-2.07e-04	8.16e-04	1.32e-05
1191	44	-0.63	0.08	-0.05	-1.63e-04	6.93e-04	1.50e-05
1191	68	-0.06	0.63	-0.05	-2.79e-04	6.29e-04	9.28e-06
1191	123	-4.73	1.41	-0.04	-1.50e-04	6.13e-04	8.40e-05
1191	128	-4.38	-1.23	-0.04	3.74e-04	7.64e-04	1.60e-06
1191	137	0.68	5.18	-0.03	-1.11e-03	9.44e-05	1.26e-04
1191	155	-5.32	1.59	-0.04	-1.56e-04	6.35e-04	9.43e-05
1191	160	-4.91	-1.40	-0.04	4.37e-04	8.07e-04	1.07e-06
1191	169	0.76	5.85	-0.03	-1.24e-03	5.11e-05	1.42e-04
1191	187	-5.23	1.64	-0.04	-1.71e-04	6.27e-04	9.56e-05
1191	192	-4.83	-1.44	-0.04	4.42e-04	8.05e-04	0.0
1191	201	0.74	5.99	-0.03	-1.27e-03	4.25e-05	1.42e-04
1191	219	-6.07	1.96	-0.04	-1.91e-04	6.56e-04	1.13e-04
1191	224	-5.61	-1.73	-0.04	5.43e-04	8.69e-04	-1.42e-06
1191	233	0.87	7.11	-0.02	-1.49e-03	-2.96e-05	1.68e-04
1191	256	-0.28	0.06	-0.04	-1.43e-04	5.63e-04	9.05e-06
1191	264	-0.42	0.05	-0.03	-1.14e-04	4.80e-04	1.02e-05
1191	276	-0.04	0.42	-0.03	-1.91e-04	4.38e-04	6.41e-06
1191	298	-0.04	0.05	-0.03	-1.25e-04	4.56e-04	4.81e-06
1191	305	-0.12	0.04	-0.03	-1.14e-04	4.30e-04	5.53e-06
1191	307	-0.04	0.12	-0.03	-1.30e-04	4.22e-04	4.77e-06
1191	310	-0.04	0.04	-0.03	-1.17e-04	4.26e-04	4.52e-06
1192	28	-0.38	0.25	-0.56	-2.26e-04	-2.07e-04	-8.06e-05
1192	45	-0.68	0.12	-0.24	-9.57e-05	-1.58e-04	-8.26e-05
1192	68	0.05	0.80	-0.49	-3.15e-04	-1.20e-04	-7.64e-05
1192	122	5.30	-1.79	-0.10	4.07e-04	8.30e-04	4.44e-05
1192	135	-3.10	5.78	-0.55	-1.60e-03	-6.20e-04	-1.57e-04
1192	137	0.17	6.34	-0.44	-1.73e-03	-5.74e-05	-1.27e-04
1192	154	5.96	-2.04	-0.07	4.75e-04	9.43e-04	5.26e-05
1192	167	-3.49	6.53	-0.58	-1.80e-03	-6.88e-04	-1.73e-04
1192	169	0.19	7.16	-0.46	-1.95e-03	-5.51e-05	-1.40e-04

1192	186	5.88	-2.11	-0.07	4.93e-04	9.29e-04	4.91e-05
1192	199	-3.47	6.77	-0.58	-1.86e-03	-6.85e-04	-1.65e-04
1192	201	0.21	7.35	-0.47	-2.00e-03	-5.28e-05	-1.41e-04
1192	218	6.84	-2.56	-0.03	6.14e-04	1.09e-03	6.08e-05
1192	231	-4.08	8.14	-0.64	-2.22e-03	-7.92e-04	-1.88e-04
1192	233	0.25	8.72	-0.50	-2.35e-03	-4.79e-05	-1.64e-04
1192	256	-0.25	0.17	-0.39	-1.56e-04	-1.42e-04	-5.55e-05
1192	261	-0.45	0.11	-0.24	-9.05e-05	-1.25e-04	-6.18e-05
1192	276	0.04	0.54	-0.35	-2.15e-04	-8.46e-05	-5.27e-05
1192	298	0.02	0.12	-0.32	-1.16e-04	-8.07e-05	-2.48e-05
1192	304	-0.08	0.07	-0.22	-7.33e-05	-6.60e-05	-2.69e-05
1192	307	0.02	0.19	-0.31	-1.28e-04	-7.63e-05	-2.91e-05
1192	310	0.02	0.11	-0.31	-1.09e-04	-7.65e-05	-2.39e-05
1193	16	0.37	0.42	-0.09	-1.38e-05	0.0	1.30e-04
1193	45	-0.68	-0.83	0.03	-3.28e-04	0.0	-3.06e-04
1193	122	5.30	-1.72	-0.43	2.96e-04	0.0	-2.01e-04
1193	129	-0.81	6.99	0.03	-1.89e-03	0.0	8.62e-04
1193	154	5.95	-1.95	-0.48	3.54e-04	0.0	-2.25e-04
1193	161	-0.92	7.92	0.04	-2.12e-03	0.0	9.73e-04
1193	186	5.87	-2.03	-0.47	3.74e-04	0.0	-2.29e-04
1193	193	-0.95	8.19	0.04	-2.19e-03	0.0	9.66e-04
1193	218	6.83	-2.46	-0.54	4.79e-04	0.0	-2.69e-04
1193	225	-1.15	9.85	0.06	-2.61e-03	0.0	1.14e-03
1193	249	0.25	0.28	-0.07	-1.68e-05	0.0	8.51e-05
1193	261	-0.45	-0.55	4.99e-03	-2.52e-04	0.0	-2.08e-04
1193	302	0.06	0.06	-0.05	-7.27e-05	0.0	7.52e-06
1193	304	-0.08	-0.11	-0.03	-1.22e-04	0.0	-5.13e-05
1193	309	0.01	2.31e-03	-0.04	-8.90e-05	0.0	-1.21e-05
1193	310	0.02	0.04	-0.04	-1.35e-04	0.0	-1.26e-05
1194	28	-0.46	0.36	-0.58	-2.15e-04	-1.87e-04	-9.44e-05
1194	47	-0.77	0.28	-0.40	-1.53e-04	-2.01e-04	-1.04e-04
1194	68	0.02	0.96	-0.51	-3.11e-04	-9.23e-05	-8.58e-05
1194	123	-5.92	2.33	-0.52	-6.06e-04	-1.18e-03	-1.08e-04
1194	135	-3.50	6.62	-0.55	-1.58e-03	-7.30e-04	-1.86e-04
1194	137	0.17	7.26	-0.46	-1.73e-03	-3.14e-05	-1.64e-04
1194	155	-6.65	2.62	-0.54	-6.72e-04	-1.32e-03	-1.17e-04
1194	167	-3.94	7.48	-0.58	-1.78e-03	-8.14e-04	-2.04e-04
1194	169	0.19	8.19	-0.48	-1.94e-03	-2.80e-05	-1.81e-04
1194	187	-6.56	2.70	-0.54	-6.91e-04	-1.31e-03	-1.14e-04
1194	199	-3.91	7.76	-0.59	-1.85e-03	-8.10e-04	-1.95e-04
1194	201	0.21	8.41	-0.48	-1.99e-03	-2.47e-05	-1.84e-04
1194	219	-7.64	3.21	-0.58	-8.08e-04	-1.51e-03	-1.27e-04
1194	231	-4.60	9.32	-0.64	-2.20e-03	-9.42e-04	-2.22e-04
1194	233	0.25	9.98	-0.51	-2.35e-03	-1.74e-05	-2.13e-04
1194	256	-0.31	0.25	-0.41	-1.49e-04	-1.28e-04	-6.51e-05
1194	263	-0.51	0.23	-0.35	-1.28e-04	-1.49e-04	-7.76e-05
1194	276	0.01	0.65	-0.36	-2.12e-04	-6.49e-05	-5.95e-05
1194	298	-2.51e-03	0.18	-0.34	-1.13e-04	-6.28e-05	-3.17e-05
1194	305	-0.10	0.18	-0.32	-1.10e-04	-7.67e-05	-3.96e-05
1194	307	8.68e-04	0.26	-0.32	-1.25e-04	-5.92e-05	-3.55e-05
1194	310	-2.02e-03	0.17	-0.32	-1.07e-04	-5.95e-05	-3.04e-05
1195	16	0.38	0.43	-0.10	-7.70e-06	0.0	1.10e-04
1195	43	-0.78	-0.52	0.03	-4.72e-04	0.0	-2.29e-04
1195	68	0.01	0.67	-0.05	-4.33e-04	0.0	-6.45e-05
1195	122	5.91	-1.86	-0.46	3.98e-04	0.0	-1.66e-04
1195	123	-5.92	2.07	0.39	-6.74e-04	0.0	1.64e-04
1195	129	-0.94	7.91	0.03	-1.86e-03	0.0	7.89e-04
1195	154	6.65	-2.12	-0.51	4.69e-04	0.0	-1.87e-04
1195	155	-6.66	2.34	0.44	-7.45e-04	0.0	1.85e-04
1195	161	-1.06	8.94	0.04	-2.09e-03	0.0	8.90e-04
1195	186	6.55	-2.21	-0.51	4.88e-04	0.0	-1.91e-04
1195	187	-6.57	2.43	0.43	-7.64e-04	0.0	1.89e-04
1195	193	-1.10	9.26	0.04	-2.16e-03	0.0	8.87e-04
1195	218	7.63	-2.69	-0.58	6.13e-04	0.0	-2.27e-04
1195	219	-7.65	2.91	0.51	-8.90e-04	0.0	2.25e-04
1195	225	-1.33	11.13	0.06	-2.57e-03	0.0	1.05e-03
1195	249	0.26	0.29	-0.07	-1.29e-05	0.0	7.27e-05
1195	263	-0.52	-0.34	0.01	-3.22e-04	0.0	-1.53e-04
1195	276	8.42e-03	0.45	-0.04	-2.97e-04	0.0	-4.36e-05
1195	302	0.05	0.10	-0.05	-7.37e-05	0.0	1.17e-05
1195	305	-0.11	0.02	-0.03	-1.73e-04	0.0	-3.15e-05
1195	307	-4.35e-03	0.17	-0.04	-1.66e-04	0.0	-9.61e-06
1195	309	-2.66e-03	0.05	-0.04	-9.14e-05	0.0	-3.53e-06
1195	310	-7.23e-03	0.11	-0.04	-1.38e-04	0.0	0.0
1196	28	-0.56	0.47	-0.60	-2.11e-04	-1.98e-04	-9.45e-05

1196	43	-0.89	0.42	-0.51	-1.75e-04	-2.27e-04	-1.11e-04
1196	68	-0.02	1.13	-0.53	-3.12e-04	-1.00e-04	-8.41e-05
1196	123	-6.59	2.65	-0.52	-4.89e-04	-1.25e-03	-1.10e-04
1196	135	-3.91	7.46	-0.56	-1.53e-03	-7.70e-04	-1.84e-04
1196	137	0.16	8.18	-0.47	-1.71e-03	-3.18e-05	-1.40e-04
1196	155	-7.40	2.97	-0.55	-5.41e-04	-1.40e-03	-1.19e-04
1196	167	-4.39	8.43	-0.59	-1.72e-03	-8.58e-04	-2.02e-04
1196	169	0.18	9.22	-0.48	-1.92e-03	-2.77e-05	-1.54e-04
1196	187	-7.30	3.06	-0.55	-5.59e-04	-1.38e-03	-1.16e-04
1196	199	-4.37	8.74	-0.59	-1.78e-03	-8.53e-04	-1.93e-04
1196	201	0.20	9.47	-0.49	-1.97e-03	-2.38e-05	-1.56e-04
1196	219	-8.50	3.63	-0.58	-6.54e-04	-1.60e-03	-1.29e-04
1196	231	-5.13	10.49	-0.65	-2.13e-03	-9.92e-04	-2.19e-04
1196	233	0.25	11.23	-0.52	-2.32e-03	-1.54e-05	-1.79e-04
1196	256	-0.37	0.32	-0.43	-1.46e-04	-1.35e-04	-6.54e-05
1196	263	-0.59	0.29	-0.37	-1.22e-04	-1.55e-04	-7.61e-05
1196	276	-0.02	0.76	-0.38	-2.13e-04	-7.03e-05	-5.84e-05
1196	298	-0.03	0.24	-0.35	-1.14e-04	-6.84e-05	-3.35e-05
1196	305	-0.14	0.23	-0.34	-1.09e-04	-8.20e-05	-4.07e-05
1196	307	-0.03	0.32	-0.33	-1.26e-04	-6.43e-05	-3.67e-05
1196	310	-0.03	0.22	-0.33	-1.07e-04	-6.47e-05	-3.22e-05
1197	16	0.39	0.43	-0.11	-1.27e-06	0.0	9.05e-05
1197	43	-0.90	-0.26	0.03	-4.96e-04	0.0	-1.57e-04
1197	68	-0.03	0.90	-0.06	-4.39e-04	0.0	-3.84e-05
1197	122	6.52	-1.99	-0.49	3.81e-04	0.0	-1.32e-04
1197	123	-6.60	2.36	0.41	-6.64e-04	0.0	1.48e-04
1197	129	-1.08	8.82	0.03	-1.82e-03	0.0	7.12e-04
1197	154	7.34	-2.28	-0.55	4.50e-04	0.0	-1.50e-04
1197	155	-7.41	2.65	0.47	-7.33e-04	0.0	1.66e-04
1197	161	-1.21	9.96	0.04	-2.04e-03	0.0	8.01e-04
1197	186	7.23	-2.38	-0.54	4.68e-04	0.0	-1.54e-04
1197	187	-7.31	2.75	0.46	-7.51e-04	0.0	1.70e-04
1197	193	-1.25	10.33	0.05	-2.11e-03	0.0	8.02e-04
1197	218	8.43	-2.91	-0.62	5.90e-04	0.0	-1.86e-04
1197	219	-8.51	3.28	0.54	-8.73e-04	0.0	2.02e-04
1197	225	-1.51	12.40	0.06	-2.51e-03	0.0	9.49e-04
1197	249	0.26	0.29	-0.08	-8.85e-06	0.0	6.04e-05
1197	263	-0.60	-0.17	0.01	-3.39e-04	0.0	-1.05e-04
1197	276	-0.02	0.61	-0.04	-3.01e-04	0.0	-2.55e-05
1197	302	0.03	0.14	-0.05	-7.47e-05	0.0	1.44e-05
1197	305	-0.15	0.11	-0.03	-1.79e-04	0.0	-1.49e-05
1197	307	-0.03	0.26	-0.04	-1.70e-04	0.0	0.0
1197	309	-0.02	0.10	-0.05	-9.36e-05	0.0	3.05e-06
1197	310	-0.04	0.18	-0.04	-1.41e-04	0.0	7.76e-06
1198	11	0.24	0.28	-0.11	-1.57e-04	0.0	6.83e-05
1198	45	-0.68	-0.67	-0.02	-2.61e-04	0.0	-3.11e-04
1198	122	5.30	-1.63	-0.27	4.18e-04	0.0	-1.95e-04
1198	129	-0.81	6.66	-0.04	-1.87e-03	0.0	8.35e-04
1198	154	5.95	-1.85	-0.29	4.89e-04	0.0	-2.18e-04
1198	161	-0.92	7.54	-0.03	-2.10e-03	0.0	9.42e-04
1198	186	5.87	-1.93	-0.29	5.10e-04	0.0	-2.21e-04
1198	193	-0.95	7.81	-0.03	-2.17e-03	0.0	9.35e-04
1198	218	6.83	-2.33	-0.33	6.38e-04	0.0	-2.60e-04
1198	225	-1.15	9.40	-0.03	-2.59e-03	0.0	1.11e-03
1198	247	0.16	0.18	-0.08	-1.12e-04	0.0	4.40e-05
1198	261	-0.45	-0.44	-0.03	-2.05e-04	0.0	-2.12e-04
1198	303	0.06	0.09	-0.07	-1.12e-04	0.0	6.26e-06
1198	304	-0.08	-0.08	-0.05	-1.06e-04	0.0	-5.27e-05
1198	307	0.02	0.10	-0.06	-1.51e-04	0.0	-2.40e-05
1198	310	0.02	0.04	-0.06	-1.24e-04	0.0	-1.36e-05
1199	11	0.22	0.36	-0.12	-1.59e-04	0.0	7.03e-05
1199	43	-0.78	-0.40	-0.05	-4.00e-04	0.0	-2.36e-04
1199	68	0.01	0.70	-0.10	-4.07e-04	0.0	-6.59e-05
1199	122	5.91	-1.78	-0.30	4.05e-04	0.0	-1.60e-04
1199	123	-5.92	2.00	0.16	-6.63e-04	0.0	1.57e-04
1199	129	-0.94	7.60	-0.04	-1.84e-03	0.0	7.66e-04
1199	154	6.65	-2.03	-0.33	4.76e-04	0.0	-1.80e-04
1199	155	-6.66	2.25	0.19	-7.33e-04	0.0	1.78e-04
1199	161	-1.06	8.60	-0.04	-2.07e-03	0.0	8.64e-04
1199	186	6.55	-2.12	-0.32	4.96e-04	0.0	-1.83e-04
1199	187	-6.57	2.34	0.18	-7.53e-04	0.0	1.81e-04
1199	193	-1.10	8.91	-0.04	-2.14e-03	0.0	8.61e-04
1199	218	7.63	-2.58	-0.36	6.21e-04	0.0	-2.19e-04
1199	219	-7.65	2.80	0.23	-8.79e-04	0.0	2.16e-04
1199	225	-1.33	10.71	-0.03	-2.55e-03	0.0	1.02e-03

1199	247	0.15	0.24	-0.09	-1.13e-04	0.0	4.62e-05
1199	263	-0.52	-0.26	-0.04	-2.74e-04	0.0	-1.58e-04
1199	276	8.69e-03	0.47	-0.08	-2.78e-04	0.0	-4.46e-05
1199	303	0.04	0.15	-0.07	-1.15e-04	0.0	1.44e-05
1199	305	-0.11	0.03	-0.06	-1.56e-04	0.0	-3.26e-05
1199	307	-4.12e-03	0.18	-0.07	-1.55e-04	0.0	-1.00e-05
1199	310	-7.00e-03	0.11	-0.07	-1.29e-04	0.0	-1.28e-06
1200	11	0.20	0.44	-0.13	-1.62e-04	0.0	6.92e-05
1200	43	-0.90	-0.18	-0.06	-4.33e-04	0.0	-1.65e-04
1200	68	-0.03	0.92	-0.11	-4.17e-04	0.0	-3.82e-05
1200	122	6.52	-1.92	-0.32	3.86e-04	0.0	-1.26e-04
1200	123	-6.60	2.28	0.18	-6.56e-04	0.0	1.43e-04
1200	129	-1.08	8.53	-0.04	-1.80e-03	0.0	6.94e-04
1200	154	7.34	-2.20	-0.35	4.55e-04	0.0	-1.44e-04
1200	155	-7.41	2.56	0.21	-7.25e-04	0.0	1.60e-04
1200	161	-1.21	9.64	-0.04	-2.03e-03	0.0	7.81e-04
1200	186	7.23	-2.30	-0.35	4.74e-04	0.0	-1.48e-04
1200	187	-7.31	2.66	0.20	-7.44e-04	0.0	1.64e-04
1200	193	-1.25	10.00	-0.04	-2.09e-03	0.0	7.82e-04
1200	218	8.43	-2.82	-0.39	5.97e-04	0.0	-1.78e-04
1200	219	-8.51	3.17	0.25	-8.67e-04	0.0	1.95e-04
1200	225	-1.51	12.01	-0.03	-2.49e-03	0.0	9.25e-04
1200	247	0.13	0.30	-0.10	-1.15e-04	0.0	4.62e-05
1200	263	-0.60	-0.11	-0.05	-2.96e-04	0.0	-1.10e-04
1200	276	-0.02	0.62	-0.08	-2.86e-04	0.0	-2.54e-05
1200	303	0.02	0.21	-0.08	-1.19e-04	0.0	2.01e-05
1200	305	-0.15	0.12	-0.07	-1.66e-04	0.0	-1.56e-05
1200	307	-0.03	0.26	-0.07	-1.62e-04	0.0	1.16e-06
1200	310	-0.04	0.18	-0.07	-1.35e-04	0.0	8.19e-06
1201	4	0.24	0.26	-0.15	-1.73e-04	0.0	6.91e-05
1201	45	-0.68	-0.50	-0.05	-1.91e-04	0.0	-3.23e-04
1201	68	0.05	0.54	-0.14	-3.68e-04	0.0	-1.02e-04
1201	122	5.30	-1.54	-0.18	4.26e-04	0.0	-1.76e-04
1201	125	4.58	1.87	-0.19	-5.62e-04	0.0	1.34e-04
1201	129	-0.81	6.38	-0.13	-1.84e-03	0.0	7.60e-04
1201	154	5.96	-1.76	-0.19	4.97e-04	0.0	-1.97e-04
1201	157	5.15	2.10	-0.21	-6.22e-04	0.0	1.52e-04
1201	161	-0.92	7.22	-0.13	-2.07e-03	0.0	8.58e-04
1201	186	5.87	-1.83	-0.19	5.18e-04	0.0	-1.99e-04
1201	189	5.08	2.16	-0.21	-6.37e-04	0.0	1.41e-04
1201	193	-0.95	7.48	-0.13	-2.14e-03	0.0	8.49e-04
1201	218	6.83	-2.22	-0.21	6.46e-04	0.0	-2.34e-04
1201	221	5.90	2.55	-0.22	-7.38e-04	0.0	1.67e-04
1201	225	-1.15	9.00	-0.14	-2.56e-03	0.0	1.00e-03
1201	244	0.16	0.18	-0.11	-1.22e-04	0.0	4.44e-05
1201	261	-0.45	-0.33	-0.06	-1.55e-04	0.0	-2.20e-04
1201	276	0.04	0.36	-0.10	-2.51e-04	0.0	-6.99e-05
1201	301	0.02	0.05	-0.09	-1.15e-04	0.0	-1.59e-05
1201	304	-0.08	-0.05	-0.07	-8.89e-05	0.0	-5.54e-05
1201	307	0.02	0.11	-0.09	-1.37e-04	0.0	-2.61e-05
1201	310	0.02	0.05	-0.09	-1.12e-04	0.0	-1.55e-05
1202	4	0.22	0.36	-0.17	-1.77e-04	0.0	7.48e-05
1202	43	-0.78	-0.27	-0.12	-3.28e-04	0.0	-2.60e-04
1202	68	0.01	0.74	-0.15	-3.78e-04	0.0	-7.04e-05
1202	123	-5.92	1.92	4.00e-03	-6.50e-04	0.0	1.36e-04
1202	125	5.11	2.22	-0.21	-5.63e-04	0.0	1.32e-04
1202	129	-0.94	7.33	-0.14	-1.82e-03	0.0	7.02e-04
1202	155	-6.66	2.16	0.02	-7.20e-04	0.0	1.54e-04
1202	157	5.74	2.50	-0.23	-6.22e-04	0.0	1.49e-04
1202	161	-1.06	8.29	-0.15	-2.05e-03	0.0	7.91e-04
1202	187	-6.57	2.25	0.02	-7.41e-04	0.0	1.57e-04
1202	189	5.66	2.56	-0.23	-6.37e-04	0.0	1.40e-04
1202	193	-1.10	8.60	-0.14	-2.12e-03	0.0	7.87e-04
1202	219	-7.65	2.69	0.03	-8.66e-04	0.0	1.88e-04
1202	221	6.58	3.02	-0.25	-7.37e-04	0.0	1.64e-04
1202	225	-1.33	10.33	-0.15	-2.53e-03	0.0	9.30e-04
1202	244	0.15	0.24	-0.12	-1.24e-04	0.0	4.91e-05
1202	263	-0.52	-0.18	-0.09	-2.25e-04	0.0	-1.74e-04
1202	276	9.20e-03	0.49	-0.11	-2.58e-04	0.0	-4.78e-05
1202	301	-5.71e-03	0.11	-0.10	-1.22e-04	0.0	-3.44e-06
1202	305	-0.11	0.05	-0.10	-1.38e-04	0.0	-3.76e-05
1202	307	-3.66e-03	0.18	-0.10	-1.43e-04	0.0	-1.23e-05
1202	310	-6.54e-03	0.11	-0.10	-1.18e-04	0.0	-3.41e-06
1203	4	0.19	0.45	-0.18	-1.86e-04	0.0	7.62e-05
1203	43	-0.90	-0.09	-0.12	-3.69e-04	0.0	-1.94e-04

1203	68	-0.03	0.94	-0.16	-3.93e-04	0.0	-4.21e-05
1203	121	5.26	2.66	-0.23	-5.35e-04	0.0	2.20e-04
1203	123	-6.60	2.20	6.71e-03	-6.49e-04	0.0	1.25e-04
1203	129	-1.07	8.27	-0.15	-1.79e-03	0.0	6.40e-04
1203	155	-7.41	2.47	0.02	-7.18e-04	0.0	1.41e-04
1203	157	6.33	2.89	-0.25	-6.22e-04	0.0	1.43e-04
1203	161	-1.21	9.35	-0.16	-2.02e-03	0.0	7.21e-04
1203	187	-7.31	2.57	0.02	-7.37e-04	0.0	1.44e-04
1203	189	6.24	2.96	-0.25	-6.37e-04	0.0	1.36e-04
1203	193	-1.25	9.70	-0.16	-2.09e-03	0.0	7.21e-04
1203	219	-8.51	3.07	0.04	-8.60e-04	0.0	1.71e-04
1203	221	7.27	3.49	-0.27	-7.35e-04	0.0	1.58e-04
1203	225	-1.51	11.65	-0.16	-2.49e-03	0.0	8.53e-04
1203	244	0.12	0.31	-0.13	-1.31e-04	0.0	5.07e-05
1203	263	-0.60	-0.05	-0.09	-2.53e-04	0.0	-1.30e-04
1203	276	-0.02	0.63	-0.12	-2.69e-04	0.0	-2.82e-05
1203	301	-0.04	0.18	-0.11	-1.31e-04	0.0	6.48e-06
1203	305	-0.15	0.13	-0.10	-1.51e-04	0.0	-2.11e-05
1203	307	-0.03	0.26	-0.11	-1.53e-04	0.0	0.0
1203	310	-0.04	0.17	-0.11	-1.28e-04	0.0	6.20e-06
1204	4	0.24	0.23	-0.20	-1.67e-04	0.0	7.65e-05
1204	45	-0.68	-0.33	-0.08	-1.34e-04	0.0	-3.71e-04
1204	68	0.05	0.60	-0.18	-3.36e-04	0.0	-1.10e-04
1204	122	5.30	-1.47	-0.15	4.32e-04	0.0	-1.41e-04
1204	129	-0.81	6.16	-0.17	-1.80e-03	0.0	6.25e-04
1204	141	0.75	5.58	-0.18	-1.73e-03	0.0	2.91e-04
1204	154	5.96	-1.67	-0.15	5.02e-04	0.0	-1.57e-04
1204	161	-0.92	6.97	-0.17	-2.03e-03	0.0	7.06e-04
1204	173	0.84	6.31	-0.19	-1.95e-03	0.0	3.29e-04
1204	186	5.87	-1.75	-0.15	5.23e-04	0.0	-1.57e-04
1204	193	-0.95	7.23	-0.17	-2.10e-03	0.0	6.94e-04
1204	205	0.86	6.47	-0.19	-2.00e-03	0.0	3.07e-04
1204	218	6.84	-2.12	-0.15	6.49e-04	0.0	-1.83e-04
1204	225	-1.15	8.69	-0.18	-2.51e-03	0.0	8.19e-04
1204	237	1.00	7.69	-0.20	-2.36e-03	0.0	3.62e-04
1204	244	0.16	0.15	-0.14	-1.17e-04	0.0	4.91e-05
1204	261	-0.45	-0.21	-0.09	-1.14e-04	0.0	-2.53e-04
1204	276	0.04	0.40	-0.13	-2.29e-04	0.0	-7.53e-05
1204	298	0.02	0.06	-0.12	-1.06e-04	0.0	-1.95e-05
1204	304	-0.08	-0.02	-0.09	-7.37e-05	0.0	-6.42e-05
1204	307	0.02	0.12	-0.12	-1.24e-04	0.0	-3.00e-05
1204	310	0.02	0.06	-0.12	-1.00e-04	0.0	-1.91e-05
1205	4	0.22	0.31	-0.22	-1.73e-04	0.0	7.75e-05
1205	43	-0.78	-0.13	-0.17	-2.66e-04	0.0	-3.24e-04
1205	68	0.02	0.78	-0.20	-3.49e-04	0.0	-8.36e-05
1205	123	-5.92	1.86	-0.10	-6.36e-04	0.0	9.31e-05
1205	129	-0.94	7.11	-0.18	-1.79e-03	0.0	5.78e-04
1205	141	0.81	6.52	-0.19	-1.73e-03	0.0	2.51e-04
1205	155	-6.66	2.09	-0.09	-7.05e-04	0.0	1.07e-04
1205	161	-1.06	8.04	-0.18	-2.02e-03	0.0	6.53e-04
1205	173	0.91	7.36	-0.20	-1.94e-03	0.0	2.83e-04
1205	187	-6.57	2.18	-0.09	-7.26e-04	0.0	1.08e-04
1205	193	-1.10	8.34	-0.19	-2.09e-03	0.0	6.45e-04
1205	205	0.93	7.56	-0.20	-1.99e-03	0.0	2.64e-04
1205	219	-7.65	2.61	-0.09	-8.51e-04	0.0	1.30e-04
1205	225	-1.33	10.02	-0.20	-2.50e-03	0.0	7.62e-04
1205	237	1.09	8.97	-0.22	-2.35e-03	0.0	3.10e-04
1205	244	0.15	0.21	-0.16	-1.21e-04	0.0	5.03e-05
1205	263	-0.52	-0.08	-0.13	-1.83e-04	0.0	-2.17e-04
1205	276	1.00e-02	0.52	-0.14	-2.38e-04	0.0	-5.70e-05
1205	298	-6.53e-03	0.12	-0.13	-1.15e-04	0.0	-1.09e-05
1205	305	-0.11	0.07	-0.13	-1.22e-04	0.0	-5.21e-05
1205	307	-2.96e-03	0.19	-0.13	-1.31e-04	0.0	-2.00e-05
1205	310	-5.84e-03	0.11	-0.13	-1.08e-04	0.0	-1.09e-05
1206	4	0.19	0.41	-0.24	-1.88e-04	0.0	7.60e-05
1206	43	-0.90	0.02	-0.19	-3.05e-04	0.0	-2.62e-04
1206	68	-0.03	0.96	-0.22	-3.67e-04	0.0	-5.79e-05
1206	123	-6.60	2.14	-0.10	-6.39e-04	0.0	8.48e-05
1206	129	-1.07	8.05	-0.19	-1.78e-03	0.0	5.33e-04
1206	141	0.87	7.45	-0.21	-1.72e-03	0.0	2.16e-04
1206	155	-7.41	2.40	-0.10	-7.08e-04	0.0	9.62e-05
1206	161	-1.21	9.10	-0.20	-2.00e-03	0.0	6.01e-04
1206	173	0.98	8.41	-0.22	-1.94e-03	0.0	2.43e-04
1206	187	-7.31	2.49	-0.10	-7.28e-04	0.0	9.81e-05
1206	193	-1.25	9.44	-0.20	-2.07e-03	0.0	5.98e-04

1206	205	1.00	8.63	-0.22	-1.99e-03	0.0	2.28e-04
1206	219	-8.50	2.98	-0.09	-8.51e-04	0.0	1.18e-04
1206	225	-1.50	11.34	-0.21	-2.47e-03	0.0	7.07e-04
1206	237	1.18	10.24	-0.23	-2.34e-03	0.0	2.66e-04
1206	244	0.12	0.28	-0.17	-1.32e-04	0.0	5.00e-05
1206	263	-0.60	0.02	-0.14	-2.10e-04	0.0	-1.76e-04
1206	276	-0.02	0.65	-0.16	-2.51e-04	0.0	-3.93e-05
1206	298	-0.04	0.18	-0.14	-1.27e-04	0.0	-2.76e-06
1206	305	-0.15	0.14	-0.14	-1.36e-04	0.0	-3.76e-05
1206	307	-0.03	0.26	-0.14	-1.43e-04	0.0	-1.04e-05
1206	310	-0.04	0.17	-0.14	-1.20e-04	0.0	-3.03e-06
1207	45	-0.68	-0.12	-0.11	-1.06e-04	-1.29e-04	-4.95e-04
1207	52	0.05	0.47	-0.26	-2.76e-04	-1.10e-04	-9.80e-05
1207	68	0.05	0.66	-0.24	-3.14e-04	-9.35e-05	-1.28e-04
1207	122	5.30	-1.41	-0.11	4.29e-04	8.57e-04	-8.79e-05
1207	129	-0.81	6.04	-0.27	-1.76e-03	-2.14e-04	4.35e-04
1207	137	0.17	6.01	-0.27	-1.81e-03	-3.89e-05	-2.63e-04
1207	154	5.96	-1.61	-0.11	4.98e-04	9.72e-04	-9.53e-05
1207	161	-0.92	6.83	-0.28	-1.98e-03	-2.35e-04	4.92e-04
1207	169	0.19	6.79	-0.29	-2.03e-03	-3.62e-05	-2.92e-04
1207	186	5.87	-1.68	-0.11	5.18e-04	9.57e-04	-9.37e-05
1207	193	-0.95	7.09	-0.29	-2.05e-03	-2.40e-04	4.77e-04
1207	201	0.21	6.97	-0.29	-2.09e-03	-3.36e-05	-2.86e-04
1207	218	6.84	-2.05	-0.10	6.42e-04	1.12e-03	-1.05e-04
1207	225	-1.15	8.53	-0.32	-2.45e-03	-2.78e-04	5.61e-04
1207	261	-0.45	-0.07	-0.12	-9.40e-05	-1.02e-04	-3.38e-04
1207	268	0.03	0.31	-0.19	-1.89e-04	-7.68e-05	-6.79e-05
1207	276	0.04	0.44	-0.17	-2.14e-04	-6.58e-05	-8.77e-05
1207	298	0.02	0.08	-0.16	-1.01e-04	-6.42e-05	-2.99e-05
1207	304	-0.08	0.01	-0.12	-6.64e-05	-5.27e-05	-8.68e-05
1207	307	0.02	0.14	-0.15	-1.16e-04	-6.04e-05	-4.02e-05
1207	310	0.02	0.07	-0.15	-9.49e-05	-6.08e-05	-2.90e-05
1208	43	-0.78	0.06	-0.24	-2.16e-04	-1.92e-04	-4.35e-04
1208	52	5.07e-03	0.61	-0.29	-2.90e-04	-1.02e-04	-8.92e-05
1208	68	0.02	0.82	-0.26	-3.26e-04	-8.57e-05	-1.13e-04
1208	123	-5.92	1.82	-0.20	-6.22e-04	-1.18e-03	2.72e-05
1208	129	-0.94	6.98	-0.28	-1.76e-03	-2.39e-04	3.99e-04
1208	137	0.17	6.97	-0.28	-1.81e-03	-2.43e-05	-2.05e-04
1208	155	-6.66	2.05	-0.21	-6.91e-04	-1.32e-03	3.42e-05
1208	161	-1.06	7.89	-0.30	-1.98e-03	-2.63e-04	4.52e-04
1208	169	0.19	7.87	-0.30	-2.04e-03	-2.02e-05	-2.27e-04
1208	187	-6.56	2.13	-0.21	-7.11e-04	-1.30e-03	3.31e-05
1208	193	-1.09	8.18	-0.30	-2.05e-03	-2.69e-04	4.39e-04
1208	201	0.21	8.09	-0.30	-2.09e-03	-1.64e-05	-2.20e-04
1208	219	-7.64	2.55	-0.22	-8.34e-04	-1.51e-03	4.43e-05
1208	225	-1.32	9.84	-0.33	-2.45e-03	-3.14e-04	5.18e-04
1208	263	-0.52	0.05	-0.17	-1.49e-04	-1.31e-04	-2.92e-04
1208	268	3.39e-03	0.41	-0.20	-1.99e-04	-7.11e-05	-6.19e-05
1208	276	0.01	0.55	-0.19	-2.23e-04	-6.03e-05	-7.79e-05
1208	298	-5.52e-03	0.13	-0.17	-1.09e-04	-5.98e-05	-2.94e-05
1208	305	-0.11	0.10	-0.17	-1.10e-04	-7.08e-05	-8.10e-05
1208	307	-2.00e-03	0.20	-0.17	-1.24e-04	-5.60e-05	-3.78e-05
1208	310	-4.88e-03	0.12	-0.16	-1.02e-04	-5.66e-05	-2.85e-05
1209	43	-0.90	0.18	-0.26	-2.42e-04	-2.12e-04	-3.74e-04
1209	52	-0.05	0.77	-0.31	-3.10e-04	-1.19e-04	-7.48e-05
1209	68	-0.03	1.00	-0.28	-3.44e-04	-9.95e-05	-9.39e-05
1209	123	-6.59	2.09	-0.21	-6.26e-04	-1.25e-03	1.33e-05
1209	137	0.15	7.94	-0.29	-1.82e-03	-3.06e-05	-1.43e-04
1209	155	-7.41	2.35	-0.22	-6.94e-04	-1.40e-03	1.81e-05
1209	169	0.18	8.96	-0.31	-2.04e-03	-2.62e-05	-1.57e-04
1209	187	-7.31	2.44	-0.22	-7.14e-04	-1.38e-03	1.79e-05
1209	193	-1.25	9.27	-0.31	-2.04e-03	-2.89e-04	4.03e-04
1209	201	0.20	9.20	-0.31	-2.09e-03	-2.21e-05	-1.50e-04
1209	219	-8.50	2.91	-0.23	-8.35e-04	-1.59e-03	2.64e-05
1209	225	-1.50	11.14	-0.34	-2.44e-03	-3.36e-04	4.77e-04
1209	233	0.24	10.92	-0.34	-2.47e-03	-1.31e-05	-1.71e-04
1209	263	-0.60	0.13	-0.18	-1.67e-04	-1.45e-04	-2.51e-04
1209	268	-0.03	0.52	-0.22	-2.13e-04	-8.26e-05	-5.19e-05
1209	276	-0.02	0.67	-0.20	-2.35e-04	-6.99e-05	-6.47e-05
1209	298	-0.04	0.19	-0.18	-1.20e-04	-6.91e-05	-2.55e-05
1209	305	-0.15	0.16	-0.18	-1.23e-04	-8.05e-05	-6.99e-05
1209	307	-0.03	0.27	-0.18	-1.35e-04	-6.47e-05	-3.23e-05
1209	310	-0.03	0.18	-0.18	-1.13e-04	-6.53e-05	-2.47e-05
1210	28	-0.38	0.18	-0.37	-2.15e-04	0.0	-1.90e-04
1210	45	-0.68	0.05	-0.16	-1.00e-04	0.0	-2.43e-04

1210	68	0.05	0.73	-0.33	-3.08e-04	0.0	-1.29e-04
1210	122	5.30	-1.38	-0.11	4.18e-04	0.0	9.52e-05
1210	135	-3.10	5.60	-0.34	-1.62e-03	0.0	-3.23e-04
1210	137	0.17	6.18	-0.30	-1.76e-03	0.0	-2.86e-04
1210	154	5.96	-1.58	-0.10	4.87e-04	0.0	1.11e-04
1210	167	-3.49	6.33	-0.36	-1.83e-03	0.0	-3.58e-04
1210	169	0.19	6.98	-0.31	-1.98e-03	0.0	-3.18e-04
1210	186	5.88	-1.65	-0.10	5.06e-04	0.0	1.06e-04
1210	199	-3.47	6.57	-0.37	-1.89e-03	0.0	-3.46e-04
1210	201	0.21	7.17	-0.32	-2.03e-03	0.0	-3.20e-04
1210	218	6.84	-2.02	-0.08	6.28e-04	0.0	1.30e-04
1210	225	-1.15	8.58	-0.36	-2.39e-03	0.0	-3.08e-04
1210	231	-4.08	7.91	-0.40	-2.26e-03	0.0	-3.98e-04
1210	256	-0.25	0.12	-0.26	-1.48e-04	0.0	-1.30e-04
1210	261	-0.45	0.06	-0.16	-9.09e-05	0.0	-1.72e-04
1210	276	0.04	0.49	-0.24	-2.10e-04	0.0	-8.87e-05
1210	298	0.02	0.10	-0.22	-1.06e-04	0.0	-3.73e-05
1210	304	-0.08	0.05	-0.16	-6.83e-05	0.0	-5.71e-05
1210	307	0.02	0.17	-0.21	-1.20e-04	0.0	-4.58e-05
1210	310	0.02	0.09	-0.21	-1.00e-04	0.0	-3.60e-05
1211	28	-0.47	0.29	-0.40	-2.14e-04	0.0	-1.89e-04
1211	43	-0.77	0.24	-0.34	-1.87e-04	0.0	-2.57e-04
1211	68	0.02	0.90	-0.36	-3.14e-04	0.0	-1.26e-04
1211	123	-5.92	1.82	-0.33	-6.12e-04	0.0	-1.70e-04
1211	135	-3.50	6.44	-0.36	-1.62e-03	0.0	-2.97e-04
1211	137	0.17	7.11	-0.32	-1.76e-03	0.0	-2.39e-04
1211	155	-6.66	2.04	-0.34	-6.79e-04	0.0	-1.85e-04
1211	167	-3.94	7.28	-0.38	-1.82e-03	0.0	-3.28e-04
1211	169	0.19	8.03	-0.33	-1.97e-03	0.0	-2.64e-04
1211	187	-6.56	2.13	-0.34	-6.98e-04	0.0	-1.80e-04
1211	199	-3.91	7.55	-0.39	-1.88e-03	0.0	-3.16e-04
1211	201	0.21	8.24	-0.34	-2.03e-03	0.0	-2.65e-04
1211	219	-7.64	2.55	-0.36	-8.18e-04	0.0	-2.03e-04
1211	225	-1.32	9.85	-0.38	-2.38e-03	0.0	-2.61e-04
1211	231	-4.60	9.08	-0.42	-2.25e-03	0.0	-3.62e-04
1211	256	-0.31	0.20	-0.28	-1.48e-04	0.0	-1.29e-04
1211	263	-0.52	0.17	-0.24	-1.30e-04	0.0	-1.75e-04
1211	276	0.01	0.60	-0.25	-2.14e-04	0.0	-8.73e-05
1211	298	-4.20e-03	0.15	-0.23	-1.10e-04	0.0	-4.30e-05
1211	305	-0.11	0.15	-0.23	-1.07e-04	0.0	-6.77e-05
1211	307	-7.45e-04	0.23	-0.23	-1.23e-04	0.0	-4.97e-05
1211	310	-3.63e-03	0.14	-0.23	-1.03e-04	0.0	-4.14e-05
1212	28	-0.56	0.40	-0.43	-2.25e-04	0.0	-1.73e-04
1212	43	-0.89	0.34	-0.36	-1.95e-04	0.0	-2.30e-04
1212	68	-0.03	1.07	-0.38	-3.25e-04	0.0	-1.14e-04
1212	123	-6.59	2.08	-0.34	-6.07e-04	0.0	-1.58e-04
1212	135	-3.91	7.28	-0.38	-1.61e-03	0.0	-2.65e-04
1212	137	0.15	8.05	-0.33	-1.76e-03	0.0	-1.87e-04
1212	155	-7.41	2.34	-0.35	-6.73e-04	0.0	-1.73e-04
1212	167	-4.40	8.22	-0.40	-1.81e-03	0.0	-2.92e-04
1212	169	0.18	9.08	-0.35	-1.97e-03	0.0	-2.05e-04
1212	187	-7.30	2.43	-0.35	-6.92e-04	0.0	-1.68e-04
1212	199	-4.37	8.54	-0.40	-1.87e-03	0.0	-2.81e-04
1212	201	0.20	9.33	-0.35	-2.02e-03	0.0	-2.06e-04
1212	219	-8.50	2.90	-0.37	-8.10e-04	0.0	-1.89e-04
1212	225	-1.50	11.11	-0.39	-2.37e-03	0.0	-2.15e-04
1212	231	-5.14	10.25	-0.44	-2.23e-03	0.0	-3.21e-04
1212	256	-0.38	0.28	-0.30	-1.56e-04	0.0	-1.18e-04
1212	263	-0.60	0.23	-0.26	-1.35e-04	0.0	-1.57e-04
1212	276	-0.02	0.72	-0.27	-2.22e-04	0.0	-7.92e-05
1212	298	-0.03	0.21	-0.25	-1.16e-04	0.0	-4.23e-05
1212	305	-0.14	0.20	-0.24	-1.13e-04	0.0	-6.35e-05
1212	307	-0.03	0.30	-0.24	-1.29e-04	0.0	-4.75e-05
1212	310	-0.03	0.20	-0.24	-1.10e-04	0.0	-4.07e-05
1213	45	-1.74	-0.17	-0.06	0.0	9.11e-04	-2.07e-03
1213	67	7.03e-03	0.49	-0.05	0.0	-4.58e-05	-1.32e-04
1213	92	0.05	-0.20	-0.16	0.0	-5.04e-05	-2.42e-06
1213	122	4.77	-1.25	-0.23	0.0	1.46e-03	3.33e-05
1213	129	-0.67	5.09	0.53	0.0	-2.43e-04	4.52e-04
1213	140	-0.07	-5.01	-0.71	0.0	-8.89e-05	2.25e-04
1213	154	5.36	-1.42	-0.25	0.0	1.65e-03	4.12e-05
1213	161	-0.76	5.77	0.61	0.0	-2.71e-04	5.11e-04
1213	172	-0.08	-5.67	-0.79	0.0	-9.61e-05	2.58e-04
1213	186	5.28	-1.48	-0.26	0.0	1.62e-03	4.10e-05
1213	193	-0.79	5.99	0.64	0.0	-2.79e-04	4.96e-04

1213	204	-0.08	-5.83	-0.81	0.0	-1.01e-04	2.52e-04
1213	218	6.15	-1.79	-0.30	0.0	1.90e-03	5.18e-05
1213	225	-0.97	7.21	0.79	0.0	-3.32e-04	5.84e-04
1213	228	1.01	-7.18	-0.95	0.0	2.68e-04	-6.45e-04
1213	261	-1.16	-0.12	-0.06	0.0	5.99e-04	-1.39e-03
1213	275	5.72e-03	0.32	-0.04	0.0	-3.23e-05	-9.07e-05
1213	288	0.04	-0.14	-0.11	0.0	-3.54e-05	-4.30e-06
1213	298	0.02	0.02	-0.08	0.0	-3.33e-05	-3.16e-05
1213	304	-0.22	-0.02	-0.07	0.0	1.03e-04	-2.98e-04
1213	307	0.02	0.08	-0.07	0.0	-3.14e-05	-4.25e-05
1213	310	0.02	0.01	-0.08	0.0	-3.16e-05	-3.07e-05
1214	44	-1.38	0.90	-0.25	-2.89e-04	-1.73e-04	2.14e-05
1214	52	-0.36	1.53	-0.37	-3.69e-04	-1.52e-04	1.15e-05
1214	68	-0.30	1.81	-0.35	-3.63e-04	-1.18e-04	7.42e-06
1214	123	-9.11	3.32	0.06	-4.49e-04	-2.31e-04	5.63e-05
1214	129	-0.09	12.02	-0.74	-1.32e-03	2.20e-04	3.10e-04
1214	141	1.37	11.04	-0.78	-1.22e-03	2.44e-04	-5.83e-05
1214	155	-10.21	3.70	0.09	-4.87e-04	-2.49e-04	6.28e-05
1214	161	-0.08	13.56	-0.81	-1.48e-03	2.60e-04	3.48e-04
1214	173	1.57	12.43	-0.86	-1.36e-03	2.88e-04	-6.62e-05
1214	187	-10.05	3.84	0.08	-5.01e-04	-2.41e-04	6.53e-05
1214	193	-0.09	14.06	-0.83	-1.52e-03	2.72e-04	3.51e-04
1214	205	1.57	12.76	-0.87	-1.39e-03	2.95e-04	-6.10e-05
1214	219	-11.65	4.55	0.11	-5.71e-04	-2.63e-04	7.77e-05
1214	225	-0.08	16.85	-0.96	-1.80e-03	3.44e-04	4.16e-04
1214	237	1.87	15.09	-1.00	-1.63e-03	3.66e-04	-7.13e-05
1214	264	-0.93	0.62	-0.18	-2.02e-04	-1.19e-04	1.48e-05
1214	268	-0.25	1.05	-0.26	-2.55e-04	-1.05e-04	8.23e-06
1214	276	-0.21	1.23	-0.25	-2.51e-04	-8.29e-05	5.50e-06
1214	298	-0.22	0.51	-0.20	-1.75e-04	-9.27e-05	8.41e-06
1214	305	-0.35	0.50	-0.19	-1.68e-04	-9.14e-05	9.11e-06
1214	307	-0.20	0.62	-0.20	-1.78e-04	-8.42e-05	7.25e-06
1214	310	-0.20	0.48	-0.19	-1.66e-04	-8.75e-05	8.00e-06
1215	44	-2.14	1.76	-0.29	0.0	-1.29e-04	-5.30e-04
1215	59	-0.97	2.53	-0.40	0.0	-1.93e-04	5.64e-05
1215	68	-0.91	2.92	-0.39	0.0	-1.75e-04	5.55e-05
1215	123	-10.81	4.65	0.03	0.0	-4.99e-04	-4.69e-05
1215	129	-0.51	15.58	-0.70	0.0	-1.21e-04	4.62e-04
1215	141	1.19	14.37	-0.74	0.0	-6.10e-05	2.14e-04
1215	155	-12.08	5.13	0.06	0.0	-5.48e-04	-5.65e-05
1215	161	-0.51	17.52	-0.76	0.0	-1.24e-04	5.17e-04
1215	173	1.41	16.12	-0.81	0.0	-5.59e-05	2.37e-04
1215	187	-11.90	5.31	0.05	0.0	-5.41e-04	-4.98e-05
1215	193	-0.53	18.16	-0.78	0.0	-1.27e-04	5.25e-04
1215	205	1.41	16.54	-0.82	0.0	-5.72e-05	2.36e-04
1215	219	-13.75	6.21	0.09	0.0	-6.13e-04	-5.93e-05
1215	225	-0.54	21.68	-0.89	0.0	-1.34e-04	6.20e-04
1215	237	1.75	19.49	-0.93	0.0	-5.04e-05	2.71e-04
1215	264	-1.46	1.23	-0.21	0.0	-9.22e-05	-3.51e-04
1215	271	-0.68	1.74	-0.29	0.0	-1.35e-04	3.93e-05
1215	276	-0.64	2.00	-0.27	0.0	-1.23e-04	3.86e-05
1215	301	-0.59	1.03	-0.23	0.0	-1.08e-04	3.57e-05
1215	305	-0.74	1.02	-0.21	0.0	-9.73e-05	-4.25e-05
1215	307	-0.57	1.17	-0.22	0.0	-1.03e-04	3.55e-05
1215	310	-0.58	1.00	-0.22	0.0	-1.03e-04	3.55e-05
1216	28	-0.66	0.57	-0.62	-2.13e-04	-2.19e-04	-8.39e-05
1216	44	-1.00	0.53	-0.56	-1.83e-04	-2.49e-04	-9.79e-05
1216	68	-0.07	1.28	-0.55	-3.17e-04	-1.20e-04	-7.54e-05
1216	123	-7.23	2.93	-0.53	-4.91e-04	-1.28e-03	-1.06e-04
1216	135	-4.30	8.23	-0.56	-1.51e-03	-7.90e-04	-1.84e-04
1216	137	0.14	9.03	-0.47	-1.68e-03	-4.19e-05	-9.94e-05
1216	155	-8.12	3.29	-0.55	-5.42e-04	-1.43e-03	-1.15e-04
1216	167	-4.84	9.29	-0.59	-1.69e-03	-8.79e-04	-2.02e-04
1216	169	0.16	10.18	-0.49	-1.89e-03	-3.75e-05	-1.08e-04
1216	187	-8.01	3.39	-0.55	-5.60e-04	-1.41e-03	-1.12e-04
1216	199	-4.81	9.64	-0.60	-1.75e-03	-8.74e-04	-1.95e-04
1216	201	0.19	10.45	-0.49	-1.94e-03	-3.35e-05	-1.08e-04
1216	219	-9.31	4.02	-0.59	-6.53e-04	-1.63e-03	-1.26e-04
1216	231	-5.64	11.56	-0.65	-2.09e-03	-1.01e-03	-2.24e-04
1216	233	0.24	12.38	-0.52	-2.29e-03	-2.44e-05	-1.23e-04
1216	256	-0.44	0.40	-0.44	-1.48e-04	-1.50e-04	-5.81e-05
1216	264	-0.67	0.37	-0.40	-1.28e-04	-1.70e-04	-6.74e-05
1216	276	-0.05	0.87	-0.39	-2.17e-04	-8.40e-05	-5.25e-05
1216	298	-0.07	0.29	-0.36	-1.18e-04	-8.18e-05	-3.21e-05
1216	305	-0.18	0.29	-0.35	-1.12e-04	-9.41e-05	-3.75e-05

1216	307	-0.06	0.39	-0.34	-1.29e-04	-7.68e-05	-3.45e-05
1216	310	-0.06	0.27	-0.34	-1.11e-04	-7.73e-05	-3.08e-05
1217	16	0.39	0.43	-0.11	4.75e-06	0.0	7.13e-05
1217	44	-1.02	0.02	0.02	-5.33e-04	0.0	-9.99e-05
1217	68	-0.09	1.12	-0.06	-4.45e-04	0.0	-1.91e-05
1217	122	7.09	-2.11	-0.52	3.63e-04	0.0	-1.03e-04
1217	123	-7.24	2.62	0.43	-6.51e-04	0.0	1.28e-04
1217	129	-1.21	9.65	0.04	-1.77e-03	0.0	6.36e-04
1217	154	7.98	-2.42	-0.58	4.30e-04	0.0	-1.18e-04
1217	155	-8.13	2.93	0.49	-7.18e-04	0.0	1.43e-04
1217	161	-1.36	10.90	0.05	-1.99e-03	0.0	7.16e-04
1217	186	7.87	-2.54	-0.57	4.47e-04	0.0	-1.22e-04
1217	187	-8.02	3.04	0.48	-7.35e-04	0.0	1.47e-04
1217	193	-1.40	11.30	0.05	-2.05e-03	0.0	7.20e-04
1217	218	9.18	-3.11	-0.65	5.66e-04	0.0	-1.50e-04
1217	219	-9.32	3.62	0.57	-8.54e-04	0.0	1.74e-04
1217	225	-1.68	13.56	0.07	-2.44e-03	0.0	8.54e-04
1217	249	0.25	0.30	-0.08	-5.02e-06	0.0	4.79e-05
1217	264	-0.68	0.02	6.09e-03	-3.64e-04	0.0	-6.62e-05
1217	276	-0.06	0.76	-0.05	-3.05e-04	0.0	-1.23e-05
1217	302	0.01	0.17	-0.05	-7.55e-05	0.0	1.47e-05
1217	305	-0.19	0.20	-0.03	-1.84e-04	0.0	-3.74e-06
1217	307	-0.07	0.35	-0.04	-1.72e-04	0.0	7.04e-06
1217	309	-0.05	0.15	-0.05	-9.56e-05	0.0	6.68e-06
1217	310	-0.07	0.25	-0.04	-1.44e-04	0.0	1.24e-05
1218	28	-0.77	0.68	-0.64	-2.20e-04	-2.52e-04	-6.56e-05
1218	44	-1.13	0.62	-0.58	-1.85e-04	-2.74e-04	-7.23e-05
1218	68	-0.14	1.44	-0.56	-3.24e-04	-1.49e-04	-6.13e-05
1218	123	-7.88	3.22	-0.53	-4.89e-04	-1.29e-03	-1.70e-06
1218	135	-4.71	8.99	-0.56	-1.48e-03	-8.03e-04	1.31e-04
1218	137	0.11	9.86	-0.48	-1.65e-03	-5.96e-05	-4.70e-05
1218	155	-8.84	3.60	-0.56	-5.38e-04	-1.43e-03	1.52e-06
1218	167	-5.29	10.14	-0.59	-1.66e-03	-8.91e-04	1.50e-04
1218	169	0.14	11.11	-0.49	-1.85e-03	-5.50e-05	-4.94e-05
1218	187	-8.72	3.71	-0.56	-5.56e-04	-1.42e-03	2.19e-06
1218	199	-5.26	10.52	-0.60	-1.72e-03	-8.86e-04	1.49e-04
1218	201	0.17	11.41	-0.50	-1.90e-03	-5.09e-05	-4.62e-05
1218	219	-10.14	4.39	-0.59	-6.46e-04	-1.63e-03	8.47e-06
1218	231	-6.16	12.61	-0.65	-2.04e-03	-1.03e-03	1.82e-04
1218	233	0.22	13.51	-0.53	-2.24e-03	-4.15e-05	-4.89e-05
1218	256	-0.52	0.47	-0.45	-1.52e-04	-1.73e-04	-4.55e-05
1218	264	-0.76	0.43	-0.41	-1.29e-04	-1.88e-04	-5.00e-05
1218	276	-0.10	0.98	-0.40	-2.22e-04	-1.05e-04	-4.27e-05
1218	298	-0.11	0.35	-0.37	-1.24e-04	-1.02e-04	-2.80e-05
1218	305	-0.23	0.34	-0.36	-1.16e-04	-1.12e-04	-3.09e-05
1218	307	-0.10	0.45	-0.35	-1.35e-04	-9.56e-05	-2.94e-05
1218	310	-0.10	0.33	-0.35	-1.17e-04	-9.60e-05	-2.68e-05
1219	16	0.37	0.42	-0.11	9.97e-06	0.0	5.05e-05
1219	44	-1.15	0.29	0.02	-5.52e-04	0.0	-5.49e-05
1219	68	-0.16	1.35	-0.06	-4.49e-04	0.0	-5.57e-06
1219	122	7.64	-2.22	-0.54	3.46e-04	0.0	-7.83e-05
1219	123	-7.88	2.87	0.45	-6.39e-04	0.0	1.05e-04
1219	129	-1.36	10.46	0.04	-1.73e-03	0.0	5.66e-04
1219	154	8.61	-2.56	-0.60	4.11e-04	0.0	-9.06e-05
1219	155	-8.85	3.21	0.52	-7.03e-04	0.0	1.17e-04
1219	161	-1.52	11.81	0.05	-1.94e-03	0.0	6.38e-04
1219	186	8.49	-2.68	-0.59	4.27e-04	0.0	-9.52e-05
1219	187	-8.72	3.33	0.51	-7.20e-04	0.0	1.22e-04
1219	193	-1.56	12.25	0.05	-1.99e-03	0.0	6.45e-04
1219	218	9.90	-3.30	-0.68	5.41e-04	0.0	-1.18e-04
1219	219	-10.14	3.96	0.60	-8.34e-04	0.0	1.45e-04
1219	225	-1.87	14.69	0.07	-2.37e-03	0.0	7.67e-04
1219	249	0.24	0.30	-0.08	-1.69e-06	0.0	3.43e-05
1219	264	-0.78	0.21	5.02e-03	-3.76e-04	0.0	-3.60e-05
1219	276	-0.11	0.91	-0.05	-3.08e-04	0.0	-3.14e-06
1219	302	-0.01	0.21	-0.06	-7.61e-05	0.0	1.28e-05
1219	305	-0.25	0.30	-0.03	-1.89e-04	0.0	2.96e-06
1219	307	-0.12	0.44	-0.04	-1.75e-04	0.0	9.54e-06
1219	309	-0.07	0.20	-0.05	-9.72e-05	0.0	7.65e-06
1219	310	-0.12	0.33	-0.04	-1.46e-04	0.0	1.32e-05
1220	11	0.15	0.53	-0.14	-1.65e-04	0.0	6.28e-05
1220	44	-1.02	0.07	-0.07	-4.80e-04	0.0	-1.06e-04
1220	68	-0.09	1.13	-0.12	-4.28e-04	0.0	-1.78e-05
1220	122	7.09	-2.05	-0.34	3.66e-04	0.0	-9.81e-05
1220	123	-7.24	2.54	0.19	-6.48e-04	0.0	1.25e-04

1220	129	-1.21	9.39	-0.04	-1.76e-03	0.0	6.21e-04
1220	154	7.98	-2.35	-0.38	4.33e-04	0.0	-1.13e-04
1220	155	-8.13	2.85	0.22	-7.15e-04	0.0	1.40e-04
1220	161	-1.36	10.60	-0.04	-1.98e-03	0.0	6.99e-04
1220	186	7.87	-2.46	-0.37	4.51e-04	0.0	-1.17e-04
1220	187	-8.01	2.96	0.22	-7.33e-04	0.0	1.44e-04
1220	193	-1.40	11.00	-0.04	-2.04e-03	0.0	7.03e-04
1220	218	9.18	-3.02	-0.42	5.70e-04	0.0	-1.44e-04
1220	219	-9.32	3.52	0.27	-8.52e-04	0.0	1.70e-04
1220	225	-1.68	13.20	-0.03	-2.43e-03	0.0	8.33e-04
1220	247	0.10	0.36	-0.10	-1.18e-04	0.0	4.23e-05
1220	264	-0.68	0.06	-0.06	-3.28e-04	0.0	-7.02e-05
1220	276	-0.06	0.77	-0.09	-2.93e-04	0.0	-1.14e-05
1220	303	-0.01	0.27	-0.08	-1.24e-04	0.0	2.19e-05
1220	305	-0.19	0.20	-0.07	-1.75e-04	0.0	-3.76e-06
1220	307	-0.07	0.34	-0.08	-1.68e-04	0.0	8.00e-06
1220	310	-0.07	0.25	-0.08	-1.41e-04	0.0	1.34e-05
1221	11	0.10	0.61	-0.15	-1.69e-04	0.0	5.02e-05
1221	44	-1.15	0.32	-0.08	-5.08e-04	0.0	-5.77e-05
1221	68	-0.16	1.35	-0.13	-4.37e-04	0.0	-3.61e-06
1221	122	7.64	-2.16	-0.37	3.45e-04	0.0	-7.38e-05
1221	123	-7.88	2.80	0.20	-6.38e-04	0.0	1.03e-04
1221	129	-1.35	10.22	-0.05	-1.71e-03	0.0	5.49e-04
1221	154	8.61	-2.49	-0.40	4.10e-04	0.0	-8.57e-05
1221	155	-8.85	3.13	0.23	-7.03e-04	0.0	1.15e-04
1221	161	-1.52	11.54	-0.04	-1.92e-03	0.0	6.18e-04
1221	186	8.49	-2.61	-0.40	4.27e-04	0.0	-9.01e-05
1221	187	-8.72	3.25	0.23	-7.20e-04	0.0	1.19e-04
1221	193	-1.56	11.96	-0.04	-1.98e-03	0.0	6.25e-04
1221	218	9.90	-3.22	-0.45	5.42e-04	0.0	-1.12e-04
1221	219	-10.14	3.86	0.28	-8.35e-04	0.0	1.41e-04
1221	225	-1.87	14.35	-0.03	-2.36e-03	0.0	7.42e-04
1221	247	0.06	0.42	-0.11	-1.21e-04	0.0	3.41e-05
1221	264	-0.78	0.23	-0.06	-3.47e-04	0.0	-3.78e-05
1221	276	-0.11	0.91	-0.09	-3.00e-04	0.0	-1.75e-06
1221	303	-0.05	0.33	-0.09	-1.28e-04	0.0	1.99e-05
1221	305	-0.25	0.29	-0.08	-1.83e-04	0.0	3.60e-06
1221	307	-0.11	0.43	-0.08	-1.73e-04	0.0	1.08e-05
1221	310	-0.12	0.32	-0.08	-1.47e-04	0.0	1.45e-05
1222	4	0.14	0.55	-0.19	-1.96e-04	0.0	7.12e-05
1222	44	-1.02	0.13	-0.15	-4.22e-04	0.0	-1.32e-04
1222	68	-0.09	1.14	-0.17	-4.09e-04	0.0	-2.00e-05
1222	121	5.71	2.97	-0.25	-5.32e-04	0.0	2.04e-04
1222	123	-7.24	2.47	8.60e-03	-6.47e-04	0.0	1.12e-04
1222	129	-1.21	9.14	-0.16	-1.76e-03	0.0	5.78e-04
1222	153	6.43	3.34	-0.27	-5.85e-04	0.0	2.28e-04
1222	155	-8.13	2.76	0.02	-7.14e-04	0.0	1.25e-04
1222	161	-1.36	10.32	-0.17	-1.98e-03	0.0	6.50e-04
1222	187	-8.01	2.87	0.02	-7.34e-04	0.0	1.29e-04
1222	189	6.78	3.34	-0.27	-6.36e-04	0.0	1.30e-04
1222	193	-1.40	10.71	-0.17	-2.05e-03	0.0	6.53e-04
1222	219	-9.32	3.42	0.04	-8.53e-04	0.0	1.52e-04
1222	221	7.90	3.93	-0.29	-7.32e-04	0.0	1.49e-04
1222	225	-1.68	12.85	-0.18	-2.44e-03	0.0	7.74e-04
1222	244	0.09	0.37	-0.14	-1.38e-04	0.0	4.79e-05
1222	264	-0.68	0.09	-0.11	-2.89e-04	0.0	-8.78e-05
1222	276	-0.06	0.77	-0.13	-2.80e-04	0.0	-1.29e-05
1222	301	-0.07	0.25	-0.12	-1.41e-04	0.0	1.28e-05
1222	305	-0.19	0.20	-0.11	-1.64e-04	0.0	-8.10e-06
1222	307	-0.07	0.34	-0.11	-1.62e-04	0.0	6.88e-06
1222	310	-0.07	0.24	-0.11	-1.37e-04	0.0	1.23e-05
1223	4	0.08	0.65	-0.21	-2.07e-04	0.0	5.89e-05
1223	44	-1.15	0.35	-0.16	-4.59e-04	0.0	-7.53e-05
1223	68	-0.16	1.35	-0.19	-4.24e-04	0.0	-3.56e-06
1223	121	6.15	3.29	-0.27	-5.29e-04	0.0	1.83e-04
1223	123	-7.88	2.73	8.74e-03	-6.46e-04	0.0	9.45e-05
1223	129	-1.35	9.99	-0.18	-1.73e-03	0.0	5.10e-04
1223	153	6.93	3.69	-0.29	-5.80e-04	0.0	2.05e-04
1223	155	-8.84	3.05	0.02	-7.12e-04	0.0	1.05e-04
1223	161	-1.52	11.28	-0.18	-1.94e-03	0.0	5.74e-04
1223	187	-8.72	3.17	0.02	-7.30e-04	0.0	1.09e-04
1223	189	7.31	3.72	-0.28	-6.34e-04	0.0	1.19e-04
1223	193	-1.56	11.70	-0.18	-2.00e-03	0.0	5.79e-04
1223	219	-10.14	3.76	0.05	-8.47e-04	0.0	1.29e-04
1223	221	8.52	4.37	-0.31	-7.28e-04	0.0	1.37e-04

1223	225	-1.87	14.03	-0.19	-2.38e-03	0.0	6.87e-04
1223	244	0.04	0.45	-0.15	-1.46e-04	0.0	4.00e-05
1223	264	-0.77	0.25	-0.12	-3.14e-04	0.0	-4.95e-05
1223	276	-0.11	0.91	-0.14	-2.91e-04	0.0	-1.69e-06
1223	301	-0.12	0.32	-0.12	-1.51e-04	0.0	1.53e-05
1223	305	-0.25	0.29	-0.12	-1.77e-04	0.0	1.46e-06
1223	307	-0.11	0.42	-0.12	-1.72e-04	0.0	1.10e-05
1223	310	-0.12	0.31	-0.12	-1.47e-04	0.0	1.48e-05
1224	4	0.14	0.51	-0.25	-2.05e-04	0.0	7.15e-05
1224	44	-1.02	0.20	-0.21	-3.57e-04	0.0	-1.98e-04
1224	68	-0.09	1.15	-0.23	-3.88e-04	0.0	-3.46e-05
1224	123	-7.23	2.40	-0.10	-6.43e-04	0.0	7.78e-05
1224	129	-1.21	8.93	-0.20	-1.76e-03	0.0	4.88e-04
1224	141	0.91	8.33	-0.22	-1.72e-03	0.0	1.86e-04
1224	155	-8.13	2.69	-0.10	-7.10e-04	0.0	8.76e-05
1224	161	-1.36	10.08	-0.21	-1.98e-03	0.0	5.49e-04
1224	173	1.04	9.39	-0.23	-1.93e-03	0.0	2.08e-04
1224	187	-8.01	2.79	-0.10	-7.30e-04	0.0	9.02e-05
1224	193	-1.40	10.46	-0.21	-2.05e-03	0.0	5.49e-04
1224	205	1.06	9.64	-0.23	-1.97e-03	0.0	1.97e-04
1224	219	-9.32	3.33	-0.09	-8.51e-04	0.0	1.08e-04
1224	225	-1.68	12.56	-0.22	-2.44e-03	0.0	6.51e-04
1224	237	1.25	11.43	-0.24	-2.32e-03	0.0	2.29e-04
1224	244	0.09	0.35	-0.18	-1.44e-04	0.0	4.76e-05
1224	264	-0.68	0.15	-0.15	-2.45e-04	0.0	-1.32e-04
1224	276	-0.06	0.78	-0.16	-2.66e-04	0.0	-2.32e-05
1224	298	-0.08	0.25	-0.15	-1.40e-04	0.0	4.28e-06
1224	305	-0.19	0.21	-0.14	-1.52e-04	0.0	-2.36e-05
1224	307	-0.07	0.34	-0.15	-1.56e-04	0.0	-1.85e-06
1224	310	-0.07	0.23	-0.15	-1.33e-04	0.0	3.77e-06
1225	4	0.08	0.61	-0.27	-2.24e-04	0.0	6.16e-05
1225	44	-1.15	0.40	-0.23	-3.97e-04	0.0	-1.28e-04
1225	68	-0.15	1.35	-0.25	-4.09e-04	0.0	-1.37e-05
1225	123	-7.88	2.66	-0.11	-6.48e-04	0.0	7.11e-05
1225	125	6.59	3.23	-0.23	-5.64e-04	0.0	9.26e-05
1225	129	-1.35	9.79	-0.21	-1.75e-03	0.0	4.39e-04
1225	155	-8.84	2.98	-0.11	-7.14e-04	0.0	7.94e-05
1225	157	7.42	3.62	-0.24	-6.19e-04	0.0	1.03e-04
1225	161	-1.52	11.06	-0.22	-1.96e-03	0.0	4.94e-04
1225	187	-8.72	3.09	-0.11	-7.33e-04	0.0	8.25e-05
1225	193	-1.56	11.47	-0.22	-2.03e-03	0.0	4.97e-04
1225	205	1.11	10.64	-0.24	-1.96e-03	0.0	1.67e-04
1225	219	-10.14	3.67	-0.10	-8.52e-04	0.0	9.84e-05
1225	225	-1.87	13.76	-0.23	-2.41e-03	0.0	5.90e-04
1225	237	1.32	12.60	-0.26	-2.31e-03	0.0	1.94e-04
1225	244	0.05	0.42	-0.19	-1.57e-04	0.0	4.14e-05
1225	264	-0.77	0.28	-0.17	-2.73e-04	0.0	-8.53e-05
1225	276	-0.11	0.92	-0.18	-2.81e-04	0.0	-8.80e-06
1225	298	-0.12	0.32	-0.16	-1.54e-04	0.0	9.60e-06
1225	305	-0.24	0.29	-0.15	-1.68e-04	0.0	-1.02e-05
1225	307	-0.11	0.42	-0.16	-1.69e-04	0.0	5.05e-06
1225	310	-0.11	0.30	-0.16	-1.46e-04	0.0	8.93e-06
1226	44	-1.02	0.33	-0.29	-2.83e-04	-2.39e-04	-3.22e-04
1226	52	-0.11	0.93	-0.33	-3.33e-04	-1.44e-04	-5.85e-05
1226	68	-0.08	1.18	-0.29	-3.64e-04	-1.21e-04	-7.32e-05
1226	123	-7.23	2.35	-0.22	-6.30e-04	-1.27e-03	1.14e-05
1226	137	0.13	8.85	-0.30	-1.81e-03	-4.39e-05	-8.84e-05
1226	155	-8.12	2.63	-0.23	-6.97e-04	-1.42e-03	1.54e-05
1226	169	0.16	9.98	-0.32	-2.03e-03	-3.95e-05	-9.67e-05
1226	187	-8.01	2.73	-0.23	-7.16e-04	-1.40e-03	1.60e-05
1226	193	-1.40	10.29	-0.32	-2.03e-03	-3.06e-04	3.76e-04
1226	201	0.18	10.25	-0.32	-2.09e-03	-3.55e-05	-8.91e-05
1226	219	-9.32	3.26	-0.24	-8.36e-04	-1.62e-03	2.38e-05
1226	225	-1.68	12.35	-0.34	-2.42e-03	-3.53e-04	4.46e-04
1226	233	0.23	12.15	-0.35	-2.46e-03	-2.64e-05	-1.01e-04
1226	264	-0.68	0.23	-0.21	-1.95e-04	-1.63e-04	-2.16e-04
1226	268	-0.08	0.63	-0.23	-2.29e-04	-1.00e-04	-4.06e-05
1226	276	-0.06	0.79	-0.21	-2.49e-04	-8.51e-05	-5.04e-05
1226	298	-0.07	0.25	-0.19	-1.33e-04	-8.37e-05	-2.02e-05
1226	305	-0.19	0.23	-0.19	-1.36e-04	-9.41e-05	-5.86e-05
1226	307	-0.07	0.34	-0.19	-1.47e-04	-7.84e-05	-2.54e-05
1226	310	-0.07	0.23	-0.19	-1.26e-04	-7.91e-05	-1.96e-05
1227	44	-1.15	0.48	-0.31	-3.13e-04	-2.60e-04	-2.53e-04
1227	52	-0.19	1.10	-0.35	-3.60e-04	-1.77e-04	-4.07e-05
1227	68	-0.15	1.36	-0.31	-3.87e-04	-1.49e-04	-5.09e-05

1227	123	-7.88	2.61	-0.23	-6.36e-04	-1.28e-03	1.82e-05
1227	137	0.11	9.75	-0.31	-1.81e-03	-6.14e-05	-3.98e-05
1227	155	-8.84	2.92	-0.24	-7.01e-04	-1.43e-03	2.24e-05
1227	169	0.13	10.99	-0.32	-2.03e-03	-5.71e-05	-4.26e-05
1227	187	-8.72	3.03	-0.24	-7.21e-04	-1.41e-03	2.40e-05
1227	193	-1.56	11.29	-0.32	-2.02e-03	-3.22e-04	3.59e-04
1227	201	0.16	11.29	-0.33	-2.08e-03	-5.30e-05	-3.54e-05
1227	219	-10.14	3.60	-0.25	-8.38e-04	-1.63e-03	3.27e-05
1227	225	-1.86	13.55	-0.35	-2.40e-03	-3.70e-04	4.28e-04
1227	233	0.21	13.38	-0.35	-2.45e-03	-4.40e-05	-3.78e-05
1227	264	-0.77	0.33	-0.22	-2.16e-04	-1.79e-04	-1.70e-04
1227	268	-0.13	0.75	-0.25	-2.47e-04	-1.23e-04	-2.83e-05
1227	276	-0.11	0.92	-0.22	-2.65e-04	-1.04e-04	-3.50e-05
1227	298	-0.12	0.32	-0.21	-1.49e-04	-1.02e-04	-1.41e-05
1227	305	-0.24	0.30	-0.20	-1.52e-04	-1.11e-04	-4.47e-05
1227	307	-0.11	0.42	-0.20	-1.62e-04	-9.59e-05	-1.78e-05
1227	310	-0.11	0.30	-0.20	-1.41e-04	-9.65e-05	-1.37e-05
1228	28	-0.67	0.52	-0.45	-2.41e-04	0.0	-1.45e-04
1228	44	-1.01	0.46	-0.40	-2.19e-04	0.0	-1.94e-04
1228	68	-0.08	1.23	-0.40	-3.39e-04	0.0	-9.60e-05
1228	123	-7.23	2.34	-0.35	-5.09e-04	0.0	-2.89e-05
1228	135	-4.31	8.06	-0.39	-1.56e-03	0.0	1.35e-04
1228	137	0.14	8.93	-0.35	-1.75e-03	0.0	-1.30e-04
1228	155	-8.12	2.62	-0.37	-5.61e-04	0.0	-2.81e-05
1228	167	-4.84	9.10	-0.41	-1.76e-03	0.0	1.55e-04
1228	169	0.16	10.07	-0.36	-1.96e-03	0.0	-1.42e-04
1228	187	-8.01	2.72	-0.37	-5.80e-04	0.0	-2.90e-05
1228	199	-4.81	9.45	-0.42	-1.82e-03	0.0	1.48e-04
1228	201	0.18	10.34	-0.36	-2.01e-03	0.0	-1.41e-04
1228	219	-9.32	3.24	-0.39	-6.76e-04	0.0	-2.72e-05
1228	225	-1.68	12.29	-0.40	-2.34e-03	0.0	2.88e-04
1228	231	-5.65	11.34	-0.45	-2.17e-03	0.0	1.80e-04
1228	256	-0.45	0.36	-0.32	-1.67e-04	0.0	-9.93e-05
1228	264	-0.68	0.32	-0.29	-1.52e-04	0.0	-1.32e-04
1228	276	-0.06	0.83	-0.28	-2.32e-04	0.0	-6.67e-05
1228	298	-0.07	0.27	-0.26	-1.26e-04	0.0	-3.74e-05
1228	305	-0.19	0.26	-0.25	-1.22e-04	0.0	-5.44e-05
1228	307	-0.06	0.36	-0.25	-1.38e-04	0.0	-4.13e-05
1228	310	-0.07	0.25	-0.25	-1.19e-04	0.0	-3.59e-05
1229	28	-0.78	0.64	-0.47	-2.58e-04	0.0	-1.05e-04
1229	44	-1.14	0.57	-0.42	-2.33e-04	0.0	-1.39e-04
1229	68	-0.14	1.40	-0.42	-3.55e-04	0.0	-7.13e-05
1229	123	-7.88	2.59	-0.37	-5.15e-04	0.0	-1.12e-05
1229	135	-4.71	8.84	-0.41	-1.55e-03	0.0	1.41e-04
1229	137	0.11	9.80	-0.36	-1.73e-03	0.0	-6.72e-05
1229	155	-8.84	2.90	-0.38	-5.67e-04	0.0	-9.13e-06
1229	167	-5.29	9.97	-0.42	-1.74e-03	0.0	1.62e-04
1229	169	0.14	11.04	-0.37	-1.94e-03	0.0	-7.22e-05
1229	187	-8.72	3.01	-0.38	-5.85e-04	0.0	-8.89e-06
1229	199	-5.26	10.35	-0.43	-1.80e-03	0.0	1.59e-04
1229	201	0.16	11.34	-0.38	-1.99e-03	0.0	-6.92e-05
1229	219	-10.14	3.58	-0.40	-6.80e-04	0.0	-4.52e-06
1229	225	-1.86	13.46	-0.42	-2.31e-03	0.0	3.01e-04
1229	231	-6.17	12.42	-0.46	-2.14e-03	0.0	1.93e-04
1229	256	-0.53	0.44	-0.33	-1.79e-04	0.0	-7.23e-05
1229	264	-0.77	0.40	-0.30	-1.62e-04	0.0	-9.50e-05
1229	276	-0.10	0.95	-0.30	-2.43e-04	0.0	-4.96e-05
1229	298	-0.11	0.34	-0.27	-1.37e-04	0.0	-2.85e-05
1229	305	-0.24	0.32	-0.26	-1.33e-04	0.0	-4.04e-05
1229	307	-0.10	0.43	-0.26	-1.49e-04	0.0	-3.13e-05
1229	310	-0.11	0.31	-0.26	-1.29e-04	0.0	-2.74e-05
1230	44	-2.53	1.84	0.11	-2.30e-04	-2.32e-04	5.20e-05
1230	47	-2.22	1.39	0.13	-1.66e-04	-1.84e-04	4.27e-05
1230	68	-1.23	3.01	-2.54e-03	-2.92e-04	-1.89e-04	3.94e-05
1230	122	9.98	-2.65	-0.80	-7.85e-06	2.62e-04	-4.59e-05
1230	123	-11.51	4.74	0.79	-2.64e-04	-4.92e-04	9.43e-05
1230	129	-2.67	15.79	0.15	-6.59e-04	-2.10e-04	4.54e-04
1230	154	11.31	-3.15	-0.90	9.21e-06	3.09e-04	-5.53e-05
1230	155	-12.85	5.23	0.89	-2.81e-04	-5.39e-04	1.04e-04
1230	161	-2.92	17.75	0.17	-7.29e-04	-2.23e-04	5.09e-04
1230	186	11.15	-3.32	-0.89	1.51e-05	3.04e-04	-5.98e-05
1230	187	-12.69	5.41	0.88	-2.87e-04	-5.33e-04	1.08e-04
1230	193	-3.00	18.40	0.17	-7.50e-04	-2.28e-04	5.17e-04
1230	218	13.11	-4.23	-1.03	4.64e-05	3.74e-04	-7.81e-05
1230	219	-14.65	6.32	1.02	-3.18e-04	-6.03e-04	1.27e-04

1230	225	-3.47	21.95	0.21	-8.75e-04	-2.52e-04	6.12e-04
1230	249	-0.13	0.72	-0.08	-1.05e-04	-7.05e-05	1.28e-05
1230	264	-1.73	1.28	0.07	-1.61e-04	-1.61e-04	3.60e-05
1230	276	-0.86	2.06	-8.18e-03	-2.02e-04	-1.32e-04	2.76e-05
1230	302	-0.42	0.67	-0.05	-9.14e-05	-7.35e-05	1.44e-05
1230	305	-0.94	1.06	8.66e-03	-1.36e-04	-1.21e-04	2.59e-05
1230	307	-0.77	1.22	-5.99e-03	-1.45e-04	-1.15e-04	2.43e-05
1230	309	-0.51	0.67	-0.04	-9.16e-05	-7.66e-05	1.53e-05
1230	310	-0.77	1.04	-6.12e-03	-1.36e-04	-1.15e-04	2.42e-05
1231	44	-2.24	1.83	-0.30	-8.62e-05	-6.02e-05	-3.06e-05
1231	59	-1.07	2.62	-0.41	-1.08e-04	-9.68e-05	5.09e-05
1231	68	-1.00	3.01	-0.39	-1.09e-04	-8.75e-05	4.76e-05
1231	123	-11.06	4.73	0.03	-9.39e-05	-2.47e-04	8.45e-05
1231	129	-0.57	15.79	-0.70	-2.70e-04	-6.04e-05	4.54e-04
1231	141	1.17	14.56	-0.74	-2.63e-04	-3.07e-05	1.72e-04
1231	155	-12.35	5.23	0.06	-9.97e-05	-2.71e-04	9.21e-05
1231	161	-0.57	17.75	-0.76	-2.99e-04	-6.18e-05	5.09e-04
1231	173	1.39	16.34	-0.81	-2.91e-04	-2.81e-05	1.91e-04
1231	187	-12.17	5.40	0.05	-1.03e-04	-2.67e-04	9.64e-05
1231	193	-0.59	18.39	-0.78	-3.08e-04	-6.33e-05	5.17e-04
1231	205	1.39	16.76	-0.82	-2.96e-04	-2.88e-05	1.89e-04
1231	219	-14.05	6.31	0.09	-1.14e-04	-3.03e-04	1.12e-04
1231	225	-0.60	21.95	-0.89	-3.60e-04	-6.66e-05	6.11e-04
1231	237	1.73	19.75	-0.93	-3.43e-04	-2.55e-05	2.17e-04
1231	264	-1.52	1.27	-0.22	-6.02e-05	-4.33e-05	-1.88e-05
1231	271	-0.75	1.80	-0.29	-7.48e-05	-6.76e-05	3.55e-05
1231	276	-0.70	2.06	-0.28	-7.52e-05	-6.14e-05	3.33e-05
1231	301	-0.64	1.07	-0.23	-5.38e-05	-5.40e-05	2.98e-05
1231	305	-0.79	1.06	-0.21	-5.15e-05	-4.79e-05	1.85e-05
1231	307	-0.62	1.21	-0.23	-5.45e-05	-5.15e-05	2.89e-05
1231	310	-0.63	1.04	-0.22	-5.15e-05	-5.13e-05	2.89e-05
1232	28	-0.91	0.79	-0.67	-2.28e-04	-2.93e-04	-3.47e-05
1232	44	-1.28	0.71	-0.60	-1.90e-04	-3.06e-04	-3.57e-05
1232	68	-0.22	1.61	-0.58	-3.31e-04	-1.86e-04	-3.57e-05
1232	123	-8.53	2.83	-0.54	-4.84e-04	-1.29e-03	2.78e-05
1232	135	-5.12	9.53	-0.57	-1.44e-03	-8.12e-04	1.88e-04
1232	137	0.07	10.67	-0.48	-1.62e-03	-8.23e-05	-6.19e-06
1232	155	-9.57	3.16	-0.56	-5.32e-04	-1.43e-03	3.36e-05
1232	167	-5.74	10.75	-0.60	-1.62e-03	-8.99e-04	2.15e-04
1232	169	0.10	12.02	-0.50	-1.81e-03	-7.77e-05	-4.59e-06
1232	187	-9.43	3.28	-0.56	-5.49e-04	-1.41e-03	3.59e-05
1232	199	-5.71	11.15	-0.60	-1.68e-03	-8.94e-04	2.18e-04
1232	201	0.13	12.34	-0.50	-1.86e-03	-7.36e-05	0.0
1232	219	-10.96	3.89	-0.60	-6.37e-04	-1.63e-03	4.71e-05
1232	231	-6.69	13.37	-0.65	-2.00e-03	-1.03e-03	2.64e-04
1232	233	0.19	14.61	-0.53	-2.19e-03	-6.42e-05	5.83e-06
1232	256	-0.62	0.55	-0.47	-1.58e-04	-2.01e-04	-2.41e-05
1232	264	-0.86	0.49	-0.43	-1.33e-04	-2.10e-04	-2.48e-05
1232	276	-0.16	1.09	-0.42	-2.27e-04	-1.30e-04	-2.48e-05
1232	298	-0.17	0.42	-0.39	-1.30e-04	-1.26e-04	-1.67e-05
1232	305	-0.30	0.40	-0.37	-1.22e-04	-1.35e-04	-1.74e-05
1232	307	-0.16	0.52	-0.37	-1.40e-04	-1.19e-04	-1.74e-05
1232	310	-0.16	0.39	-0.37	-1.23e-04	-1.19e-04	-1.59e-05
1233	16	0.35	0.42	-0.12	1.37e-05	0.0	2.89e-05
1233	44	-1.30	0.58	0.02	-5.65e-04	0.0	-2.00e-05
1233	68	-0.25	1.57	-0.07	-4.52e-04	0.0	2.85e-06
1233	122	8.18	-2.32	-0.56	3.33e-04	0.0	-5.99e-05
1233	123	-8.52	3.12	0.47	-6.28e-04	0.0	8.17e-05
1233	129	-1.51	11.25	0.04	-1.69e-03	0.0	5.12e-04
1233	154	9.22	-2.68	-0.63	3.96e-04	0.0	-6.96e-05
1233	155	-9.56	3.49	0.54	-6.92e-04	0.0	9.14e-05
1233	161	-1.68	12.69	0.05	-1.89e-03	0.0	5.77e-04
1233	186	9.09	-2.81	-0.62	4.12e-04	0.0	-7.48e-05
1233	187	-9.43	3.62	0.53	-7.07e-04	0.0	9.65e-05
1233	193	-1.73	13.16	0.05	-1.95e-03	0.0	5.87e-04
1233	218	10.61	-3.48	-0.72	5.23e-04	0.0	-9.42e-05
1233	219	-10.96	4.28	0.62	-8.19e-04	0.0	1.16e-04
1233	225	-2.06	15.78	0.07	-2.32e-03	0.0	7.00e-04
1233	249	0.23	0.30	-0.09	0.0	0.0	1.98e-05
1233	264	-0.88	0.40	2.89e-03	-3.85e-04	0.0	-1.28e-05
1233	276	-0.17	1.07	-0.05	-3.10e-04	0.0	2.42e-06
1233	302	-0.04	0.25	-0.06	-7.64e-05	0.0	8.92e-06
1233	305	-0.31	0.39	-0.04	-1.92e-04	0.0	5.83e-06
1233	307	-0.17	0.52	-0.05	-1.76e-04	0.0	8.87e-06
1233	309	-0.11	0.25	-0.05	-9.83e-05	0.0	6.40e-06

1233	310	-0.17	0.40	-0.05	-1.48e-04	0.0	1.09e-05
1234	28	-1.09	0.91	-0.71	-2.82e-04	-3.48e-04	1.88e-05
1234	44	-1.46	0.81	-0.64	-2.45e-04	-3.13e-04	2.09e-05
1234	68	-0.35	1.78	-0.63	-3.24e-04	-2.90e-04	9.22e-06
1234	123	-9.17	3.08	-0.56	-3.94e-04	-3.28e-04	7.25e-05
1234	135	-5.54	10.23	-0.58	-1.05e-03	-2.74e-04	2.69e-04
1234	137	0.01	11.46	-0.50	-1.15e-03	-1.82e-04	1.83e-04
1234	155	-10.28	3.43	-0.58	-4.27e-04	-3.46e-04	8.13e-05
1234	167	-6.20	11.53	-0.61	-1.17e-03	-2.86e-04	3.04e-04
1234	169	0.04	12.90	-0.51	-1.29e-03	-1.82e-04	2.05e-04
1234	187	-10.14	3.56	-0.58	-4.38e-04	-3.44e-04	8.50e-05
1234	199	-6.17	11.97	-0.62	-1.21e-03	-2.86e-04	3.11e-04
1234	201	0.07	13.24	-0.52	-1.32e-03	-1.82e-04	2.02e-04
1234	219	-11.77	4.21	-0.62	-4.99e-04	-3.71e-04	1.02e-04
1234	231	-7.22	14.34	-0.66	-1.43e-03	-3.05e-04	3.73e-04
1234	233	0.13	15.68	-0.54	-1.54e-03	-1.82e-04	2.35e-04
1234	256	-0.74	0.63	-0.50	-1.96e-04	-2.43e-04	1.29e-05
1234	264	-0.99	0.56	-0.46	-1.71e-04	-2.19e-04	1.43e-05
1234	276	-0.24	1.21	-0.44	-2.24e-04	-2.03e-04	6.56e-06
1234	298	-0.25	0.49	-0.41	-1.56e-04	-1.90e-04	7.15e-06
1234	305	-0.38	0.47	-0.40	-1.48e-04	-1.84e-04	8.04e-06
1234	307	-0.23	0.59	-0.40	-1.59e-04	-1.80e-04	6.49e-06
1234	310	-0.24	0.46	-0.39	-1.48e-04	-1.80e-04	6.75e-06
1235	16	0.32	0.41	-0.13	-1.69e-04	-8.00e-05	6.28e-06
1235	44	-1.46	0.87	9.70e-03	-2.45e-04	-2.28e-04	6.57e-06
1235	68	-0.35	1.80	-0.07	-3.29e-04	-1.76e-04	7.15e-06
1235	122	8.68	-2.42	-0.58	1.29e-04	3.13e-04	-5.91e-05
1235	123	-9.16	3.37	0.48	-4.35e-04	-5.31e-04	7.05e-05
1235	129	-1.67	12.02	0.04	-1.30e-03	-2.05e-04	5.01e-04
1235	154	9.79	-2.81	-0.65	1.67e-04	3.66e-04	-6.81e-05
1235	155	-10.27	3.76	0.55	-4.73e-04	-5.84e-04	7.95e-05
1235	161	-1.86	13.56	0.05	-1.45e-03	-2.18e-04	5.66e-04
1235	186	9.65	-2.94	-0.64	1.81e-04	3.60e-04	-7.38e-05
1235	187	-10.13	3.89	0.54	-4.88e-04	-5.78e-04	8.53e-05
1235	193	-1.91	14.07	0.05	-1.50e-03	-2.23e-04	5.79e-04
1235	218	11.28	-3.65	-0.74	2.51e-04	4.38e-04	-9.25e-05
1235	219	-11.76	4.60	0.63	-5.58e-04	-6.56e-04	1.04e-04
1235	225	-2.26	16.86	0.07	-1.77e-03	-2.47e-04	6.92e-04
1235	249	0.20	0.29	-0.10	-1.21e-04	-5.92e-05	4.48e-06
1235	264	-0.99	0.60	-1.41e-03	-1.72e-04	-1.58e-04	4.67e-06
1235	276	-0.24	1.22	-0.06	-2.27e-04	-1.23e-04	5.06e-06
1235	302	-0.08	0.29	-0.07	-1.03e-04	-6.71e-05	3.36e-06
1235	305	-0.38	0.49	-0.04	-1.52e-04	-1.16e-04	5.34e-06
1235	307	-0.23	0.61	-0.05	-1.63e-04	-1.09e-04	5.42e-06
1235	309	-0.15	0.29	-0.06	-1.02e-04	-7.07e-05	3.18e-06
1235	310	-0.24	0.48	-0.05	-1.53e-04	-1.09e-04	5.71e-06
1236	11	0.02	0.70	-0.17	-1.71e-04	0.0	3.25e-05
1236	44	-1.30	0.59	-0.09	-5.29e-04	0.0	-1.93e-05
1236	68	-0.25	1.57	-0.14	-4.44e-04	0.0	4.72e-06
1236	122	8.18	-2.26	-0.39	3.26e-04	0.0	-5.22e-05
1236	123	-8.52	3.05	0.20	-6.27e-04	0.0	7.61e-05
1236	129	-1.51	11.02	-0.05	-1.67e-03	0.0	4.79e-04
1236	154	9.22	-2.62	-0.42	3.89e-04	0.0	-6.10e-05
1236	155	-9.56	3.41	0.24	-6.90e-04	0.0	8.48e-05
1236	161	-1.68	12.44	-0.05	-1.87e-03	0.0	5.40e-04
1236	186	9.08	-2.75	-0.42	4.06e-04	0.0	-6.57e-05
1236	187	-9.43	3.54	0.24	-7.07e-04	0.0	8.95e-05
1236	193	-1.73	12.90	-0.05	-1.93e-03	0.0	5.49e-04
1236	218	10.61	-3.40	-0.47	5.17e-04	0.0	-8.33e-05
1236	219	-10.95	4.19	0.29	-8.18e-04	0.0	1.07e-04
1236	225	-2.06	15.47	-0.04	-2.29e-03	0.0	6.54e-04
1236	247	7.67e-03	0.48	-0.12	-1.23e-04	0.0	2.23e-05
1236	264	-0.88	0.41	-0.07	-3.61e-04	0.0	-1.23e-05
1236	276	-0.17	1.07	-0.10	-3.04e-04	0.0	3.74e-06
1236	301	-0.18	0.41	-0.09	-1.55e-04	0.0	1.23e-05
1236	305	-0.31	0.39	-0.08	-1.89e-04	0.0	6.74e-06
1236	307	-0.17	0.52	-0.09	-1.78e-04	0.0	9.94e-06
1236	310	-0.17	0.40	-0.09	-1.51e-04	0.0	1.19e-05
1237	11	-0.06	0.78	-0.19	-2.81e-04	-1.66e-04	9.12e-06
1237	44	-1.46	0.86	-0.11	-2.32e-04	-2.19e-04	1.07e-05
1237	68	-0.35	1.80	-0.16	-3.27e-04	-1.73e-04	7.91e-06
1237	122	8.69	-2.36	-0.42	1.33e-04	2.43e-04	-3.53e-05
1237	123	-9.16	3.30	0.20	-4.37e-04	-4.58e-04	4.65e-05
1237	129	-1.67	11.80	-0.07	-1.30e-03	-1.94e-04	4.28e-04
1237	154	9.80	-2.73	-0.45	1.71e-04	2.86e-04	-4.11e-05

1237	155	-10.27	3.68	0.24	-4.76e-04	-5.02e-04	5.23e-05
1237	161	-1.86	13.31	-0.06	-1.45e-03	-2.06e-04	4.83e-04
1237	186	9.66	-2.87	-0.45	1.86e-04	2.81e-04	-4.58e-05
1237	187	-10.13	3.82	0.24	-4.90e-04	-4.97e-04	5.70e-05
1237	193	-1.91	13.80	-0.06	-1.50e-03	-2.10e-04	4.92e-04
1237	218	11.29	-3.57	-0.51	2.56e-04	3.46e-04	-5.89e-05
1237	219	-11.76	4.51	0.29	-5.60e-04	-5.62e-04	7.01e-05
1237	225	-2.26	16.54	-0.05	-1.78e-03	-2.32e-04	5.88e-04
1237	247	-0.05	0.54	-0.14	-1.96e-04	-1.17e-04	6.37e-06
1237	264	-0.99	0.60	-0.08	-1.63e-04	-1.52e-04	7.45e-06
1237	276	-0.24	1.22	-0.12	-2.26e-04	-1.21e-04	5.56e-06
1237	301	-0.24	0.48	-0.11	-1.58e-04	-1.10e-04	5.75e-06
1237	305	-0.38	0.49	-0.10	-1.50e-04	-1.14e-04	5.84e-06
1237	307	-0.23	0.61	-0.11	-1.62e-04	-1.08e-04	5.46e-06
1237	310	-0.24	0.47	-0.11	-1.52e-04	-1.08e-04	5.62e-06
1238	4	-9.59e-03	0.75	-0.23	-2.15e-04	0.0	3.89e-05
1238	44	-1.30	0.59	-0.17	-4.87e-04	0.0	-2.65e-05
1238	68	-0.24	1.57	-0.21	-4.36e-04	0.0	5.94e-06
1238	121	6.57	3.60	-0.29	-5.25e-04	0.0	1.57e-04
1238	123	-8.52	2.99	4.64e-03	-6.46e-04	0.0	7.09e-05
1238	129	-1.51	10.82	-0.19	-1.70e-03	0.0	4.33e-04
1238	153	7.40	4.03	-0.31	-5.74e-04	0.0	1.75e-04
1238	155	-9.56	3.34	0.02	-7.11e-04	0.0	7.88e-05
1238	161	-1.68	12.21	-0.20	-1.91e-03	0.0	4.87e-04
1238	187	-9.43	3.46	0.02	-7.29e-04	0.0	8.28e-05
1238	189	7.82	4.10	-0.30	-6.30e-04	0.0	1.05e-04
1238	193	-1.73	12.67	-0.19	-1.97e-03	0.0	4.94e-04
1238	219	-10.95	4.10	0.04	-8.44e-04	0.0	9.86e-05
1238	221	9.12	4.80	-0.33	-7.21e-04	0.0	1.21e-04
1238	225	-2.06	15.19	-0.20	-2.34e-03	0.0	5.88e-04
1238	244	-0.02	0.52	-0.16	-1.52e-04	0.0	2.66e-05
1238	264	-0.88	0.41	-0.13	-3.33e-04	0.0	-1.70e-05
1238	276	-0.17	1.06	-0.15	-2.99e-04	0.0	4.62e-06
1238	301	-0.17	0.40	-0.14	-1.59e-04	0.0	1.32e-05
1238	305	-0.31	0.38	-0.13	-1.86e-04	0.0	6.46e-06
1238	307	-0.17	0.51	-0.13	-1.79e-04	0.0	1.08e-05
1238	310	-0.17	0.39	-0.13	-1.54e-04	0.0	1.28e-05
1239	4	-0.11	0.87	-0.27	-2.98e-04	-1.84e-04	9.10e-06
1239	44	-1.46	0.85	-0.21	-2.14e-04	-2.08e-04	1.70e-05
1239	68	-0.35	1.79	-0.24	-3.26e-04	-1.70e-04	8.34e-06
1239	121	6.96	3.92	-0.32	-4.98e-04	9.96e-05	1.28e-04
1239	123	-9.16	3.25	-0.01	-4.27e-04	-3.84e-04	4.31e-05
1239	137	0.01	11.66	-0.21	-1.23e-03	-1.29e-04	1.98e-04
1239	153	7.85	4.38	-0.34	-5.44e-04	1.25e-04	1.44e-04
1239	155	-10.27	3.62	6.60e-03	-4.64e-04	-4.18e-04	4.83e-05
1239	161	-1.86	13.14	-0.22	-1.42e-03	-1.93e-04	4.02e-04
1239	185	7.71	4.52	-0.34	-5.56e-04	1.20e-04	1.45e-04
1239	187	-10.13	3.75	4.51e-03	-4.78e-04	-4.15e-04	5.18e-05
1239	193	-1.91	13.63	-0.22	-1.46e-03	-1.97e-04	4.09e-04
1239	219	-11.76	4.44	0.03	-5.46e-04	-4.66e-04	6.30e-05
1239	221	9.69	5.24	-0.37	-6.13e-04	1.78e-04	1.02e-04
1239	225	-2.26	16.32	-0.23	-1.73e-03	-2.16e-04	4.87e-04
1239	244	-0.09	0.60	-0.19	-2.07e-04	-1.29e-04	6.38e-06
1239	264	-0.99	0.59	-0.15	-1.51e-04	-1.45e-04	1.17e-05
1239	276	-0.24	1.22	-0.17	-2.25e-04	-1.19e-04	5.88e-06
1239	301	-0.24	0.48	-0.16	-1.57e-04	-1.08e-04	5.99e-06
1239	305	-0.38	0.48	-0.15	-1.46e-04	-1.11e-04	6.84e-06
1239	307	-0.23	0.61	-0.16	-1.61e-04	-1.06e-04	5.68e-06
1239	310	-0.24	0.47	-0.16	-1.51e-04	-1.06e-04	5.84e-06
1240	4	-6.39e-03	0.73	-0.30	-2.40e-04	0.0	4.23e-05
1240	44	-1.30	0.61	-0.25	-4.30e-04	0.0	-5.71e-05
1240	68	-0.24	1.57	-0.27	-4.27e-04	0.0	1.22e-06
1240	123	-8.52	2.93	-0.12	-6.52e-04	0.0	6.34e-05
1240	125	7.04	3.57	-0.25	-5.71e-04	0.0	7.79e-05
1240	137	0.06	10.70	-0.24	-1.83e-03	0.0	1.98e-04
1240	155	-9.56	3.27	-0.12	-7.17e-04	0.0	7.06e-05
1240	157	7.94	3.99	-0.26	-6.25e-04	0.0	8.62e-05
1240	169	0.09	12.05	-0.25	-2.05e-03	0.0	2.21e-04
1240	187	-9.43	3.40	-0.12	-7.36e-04	0.0	7.39e-05
1240	189	7.82	4.08	-0.26	-6.40e-04	0.0	8.37e-05
1240	193	-1.73	12.47	-0.24	-2.01e-03	0.0	4.39e-04
1240	219	-10.96	4.03	-0.11	-8.53e-04	0.0	8.81e-05
1240	225	-2.06	14.94	-0.25	-2.39e-03	0.0	5.22e-04
1240	237	1.37	13.77	-0.28	-2.30e-03	0.0	1.60e-04
1240	244	-0.01	0.51	-0.21	-1.68e-04	0.0	2.87e-05

1240	264	-0.87	0.42	-0.18	-2.96e-04	0.0	-3.76e-05
1240	276	-0.17	1.06	-0.19	-2.93e-04	0.0	1.33e-06
1240	298	-0.18	0.41	-0.18	-1.66e-04	0.0	1.09e-05
1240	305	-0.31	0.38	-0.17	-1.81e-04	0.0	0.0
1240	307	-0.17	0.51	-0.17	-1.80e-04	0.0	8.12e-06
1240	310	-0.17	0.38	-0.17	-1.57e-04	0.0	1.02e-05
1241	4	-0.11	0.86	-0.34	-3.00e-04	-1.95e-04	8.47e-06
1241	44	-1.46	0.84	-0.29	-1.99e-04	-2.11e-04	1.97e-05
1241	68	-0.35	1.79	-0.31	-3.25e-04	-1.79e-04	7.86e-06
1241	123	-9.16	3.20	-0.15	-4.16e-04	-3.32e-04	5.91e-05
1241	125	7.47	3.91	-0.28	-4.78e-04	6.16e-05	5.93e-05
1241	137	0.01	11.61	-0.27	-1.21e-03	-1.36e-04	1.84e-04
1241	155	-10.27	3.57	-0.14	-4.52e-04	-3.60e-04	6.62e-05
1241	157	8.42	4.37	-0.29	-5.21e-04	8.30e-05	6.60e-05
1241	169	0.04	13.07	-0.28	-1.35e-03	-1.40e-04	2.06e-04
1241	187	-10.13	3.70	-0.14	-4.65e-04	-3.57e-04	6.96e-05
1241	189	8.30	4.47	-0.29	-5.29e-04	7.94e-05	6.42e-05
1241	193	-1.91	13.46	-0.26	-1.41e-03	-1.91e-04	3.94e-04
1241	219	-11.76	4.38	-0.13	-5.30e-04	-3.99e-04	8.35e-05
1241	221	9.69	5.22	-0.31	-6.01e-04	1.10e-04	7.38e-05
1241	225	-2.26	16.12	-0.28	-1.67e-03	-2.09e-04	4.70e-04
1241	244	-0.09	0.60	-0.25	-2.08e-04	-1.36e-04	5.98e-06
1241	264	-0.99	0.59	-0.21	-1.41e-04	-1.47e-04	1.35e-05
1241	276	-0.24	1.22	-0.22	-2.25e-04	-1.25e-04	5.58e-06
1241	298	-0.25	0.50	-0.21	-1.59e-04	-1.17e-04	6.30e-06
1241	305	-0.38	0.48	-0.20	-1.44e-04	-1.16e-04	7.24e-06
1241	307	-0.23	0.60	-0.20	-1.60e-04	-1.11e-04	5.66e-06
1241	310	-0.24	0.47	-0.20	-1.50e-04	-1.11e-04	5.90e-06
1242	44	-1.30	0.64	-0.33	-3.41e-04	-2.83e-04	-1.54e-04
1242	52	-0.29	1.29	-0.37	-3.87e-04	-2.10e-04	-1.80e-05
1242	68	-0.24	1.56	-0.34	-4.11e-04	-1.77e-04	-2.41e-05
1242	123	-8.52	2.88	-0.25	-5.45e-04	-1.28e-03	3.38e-05
1242	137	0.06	10.65	-0.32	-1.81e-03	-7.90e-05	-6.42e-06
1242	155	-9.56	3.22	-0.25	-5.97e-04	-1.43e-03	3.90e-05
1242	169	0.09	12.00	-0.34	-2.03e-03	-7.46e-05	-6.33e-06
1242	187	-9.43	3.34	-0.25	-6.16e-04	-1.41e-03	4.16e-05
1242	201	0.12	12.32	-0.34	-2.08e-03	-7.06e-05	-1.61e-06
1242	219	-10.96	3.96	-0.26	-7.12e-04	-1.62e-03	5.23e-05
1242	225	-2.06	14.74	-0.36	-2.39e-03	-3.84e-04	4.35e-04
1242	233	0.18	14.60	-0.36	-2.44e-03	-6.16e-05	0.0
1242	264	-0.87	0.45	-0.24	-2.36e-04	-1.94e-04	-1.03e-04
1242	268	-0.21	0.88	-0.26	-2.67e-04	-1.46e-04	-1.25e-05
1242	276	-0.17	1.06	-0.24	-2.82e-04	-1.24e-04	-1.65e-05
1242	298	-0.18	0.40	-0.22	-1.65e-04	-1.21e-04	-5.37e-06
1242	305	-0.31	0.38	-0.21	-1.68e-04	-1.27e-04	-2.48e-05
1242	307	-0.16	0.50	-0.21	-1.77e-04	-1.13e-04	-7.48e-06
1242	310	-0.17	0.37	-0.21	-1.56e-04	-1.14e-04	-5.23e-06
1243	44	-1.46	0.83	-0.37	-1.93e-04	-2.33e-04	2.10e-05
1243	52	-0.42	1.50	-0.42	-3.32e-04	-2.37e-04	1.13e-05
1243	68	-0.35	1.79	-0.38	-3.25e-04	-2.05e-04	8.70e-06
1243	123	-9.17	3.16	-0.27	-4.06e-04	-3.11e-04	6.68e-05
1243	137	0.01	11.56	-0.34	-1.18e-03	-1.48e-04	1.83e-04
1243	155	-10.28	3.52	-0.28	-4.41e-04	-3.33e-04	7.49e-05
1243	169	0.04	13.02	-0.36	-1.32e-03	-1.51e-04	2.05e-04
1243	187	-10.14	3.65	-0.28	-4.53e-04	-3.31e-04	7.84e-05
1243	201	0.07	13.36	-0.36	-1.35e-03	-1.52e-04	2.01e-04
1243	219	-11.77	4.32	-0.29	-5.16e-04	-3.65e-04	9.37e-05
1243	225	-2.26	15.93	-0.38	-1.62e-03	-2.07e-04	4.71e-04
1243	233	0.13	15.82	-0.38	-1.58e-03	-1.57e-04	2.35e-04
1243	264	-0.99	0.58	-0.27	-1.36e-04	-1.63e-04	1.44e-05
1243	268	-0.29	1.02	-0.30	-2.29e-04	-1.65e-04	7.92e-06
1243	276	-0.24	1.21	-0.27	-2.25e-04	-1.44e-04	6.18e-06
1243	298	-0.25	0.49	-0.25	-1.58e-04	-1.35e-04	6.86e-06
1243	305	-0.38	0.47	-0.24	-1.42e-04	-1.32e-04	7.84e-06
1243	307	-0.23	0.60	-0.24	-1.60e-04	-1.28e-04	6.20e-06
1243	310	-0.24	0.46	-0.24	-1.50e-04	-1.28e-04	6.45e-06
1244	28	-0.92	0.78	-0.50	-2.73e-04	0.0	-5.28e-05
1244	44	-1.29	0.69	-0.45	-2.43e-04	0.0	-7.02e-05
1244	68	-0.23	1.59	-0.44	-3.70e-04	0.0	-3.76e-05
1244	123	-8.52	2.85	-0.38	-5.20e-04	0.0	2.39e-05
1244	135	-5.12	9.60	-0.42	-1.53e-03	0.0	1.85e-04
1244	137	0.07	10.66	-0.38	-1.72e-03	0.0	-7.27e-06
1244	155	-9.56	3.19	-0.40	-5.71e-04	0.0	2.89e-05
1244	167	-5.74	10.83	-0.44	-1.72e-03	0.0	2.10e-04
1244	169	0.10	12.01	-0.39	-1.92e-03	0.0	-6.03e-06

1244	187	-9.43	3.31	-0.40	-5.88e-04	0.0	3.08e-05
1244	199	-5.71	11.24	-0.45	-1.78e-03	0.0	2.12e-04
1244	201	0.12	12.33	-0.39	-1.97e-03	0.0	0.0
1244	219	-10.96	3.92	-0.42	-6.81e-04	0.0	4.05e-05
1244	225	-2.06	14.60	-0.43	-2.28e-03	0.0	3.63e-04
1244	231	-6.69	13.48	-0.48	-2.12e-03	0.0	2.57e-04
1244	256	-0.62	0.54	-0.35	-1.90e-04	0.0	-3.62e-05
1244	264	-0.87	0.48	-0.32	-1.70e-04	0.0	-4.78e-05
1244	276	-0.16	1.08	-0.32	-2.54e-04	0.0	-2.61e-05
1244	298	-0.17	0.41	-0.29	-1.48e-04	0.0	-1.44e-05
1244	305	-0.30	0.39	-0.28	-1.42e-04	0.0	-2.04e-05
1244	307	-0.16	0.51	-0.28	-1.59e-04	0.0	-1.61e-05
1244	310	-0.16	0.38	-0.28	-1.39e-04	0.0	-1.38e-05
1245	28	-1.09	0.92	-0.56	-2.60e-04	-2.97e-04	1.92e-05
1245	44	-1.46	0.82	-0.50	-2.05e-04	-2.69e-04	2.15e-05
1245	68	-0.35	1.78	-0.49	-3.26e-04	-2.45e-04	9.17e-06
1245	123	-9.17	3.12	-0.41	-4.00e-04	-3.12e-04	7.16e-05
1245	135	-5.54	10.36	-0.45	-1.07e-03	-2.62e-04	2.67e-04
1245	137	0.01	11.51	-0.41	-1.16e-03	-1.63e-04	1.82e-04
1245	155	-10.28	3.48	-0.43	-4.33e-04	-3.32e-04	8.03e-05
1245	167	-6.20	11.68	-0.47	-1.20e-03	-2.76e-04	3.01e-04
1245	169	0.04	12.96	-0.42	-1.30e-03	-1.65e-04	2.04e-04
1245	187	-10.14	3.61	-0.43	-4.45e-04	-3.29e-04	8.40e-05
1245	199	-6.17	12.12	-0.48	-1.24e-03	-2.76e-04	3.08e-04
1245	201	0.07	13.30	-0.43	-1.33e-03	-1.66e-04	2.00e-04
1245	219	-11.77	4.27	-0.45	-5.07e-04	-3.59e-04	1.00e-04
1245	231	-7.21	14.52	-0.51	-1.46e-03	-2.99e-04	3.69e-04
1245	233	0.13	15.75	-0.45	-1.55e-03	-1.68e-04	2.34e-04
1245	256	-0.74	0.64	-0.39	-1.81e-04	-2.07e-04	1.32e-05
1245	264	-0.99	0.57	-0.36	-1.45e-04	-1.88e-04	1.47e-05
1245	276	-0.24	1.21	-0.35	-2.25e-04	-1.72e-04	6.52e-06
1245	298	-0.25	0.49	-0.33	-1.58e-04	-1.61e-04	7.15e-06
1245	305	-0.38	0.47	-0.31	-1.44e-04	-1.56e-04	8.13e-06
1245	307	-0.23	0.60	-0.31	-1.60e-04	-1.53e-04	6.48e-06
1245	310	-0.24	0.46	-0.31	-1.50e-04	-1.53e-04	6.74e-06
1246	44	-1.65	1.02	0.14	-2.70e-04	0.0	3.03e-05
1246	47	-1.53	0.79	0.15	-1.99e-04	0.0	2.73e-05
1246	68	-0.50	1.98	0.02	-3.32e-04	0.0	9.83e-06
1246	123	-9.55	3.67	0.85	-4.18e-04	0.0	7.36e-05
1246	129	-1.84	12.95	0.16	-1.24e-03	0.0	4.83e-04
1246	155	-10.70	4.09	0.95	-4.53e-04	0.0	8.27e-05
1246	161	-2.03	14.60	0.18	-1.38e-03	0.0	5.44e-04
1246	187	-10.55	4.23	0.94	-4.67e-04	0.0	8.79e-05
1246	193	-2.09	15.14	0.19	-1.43e-03	0.0	5.56e-04
1246	219	-12.24	5.00	1.09	-5.32e-04	0.0	1.07e-04
1246	225	-2.46	18.13	0.23	-1.69e-03	0.0	6.64e-04
1246	263	-1.10	0.67	0.09	-1.73e-04	0.0	1.99e-05
1246	264	-1.12	0.70	0.09	-1.89e-04	0.0	2.06e-05
1246	276	-0.35	1.35	0.01	-2.30e-04	0.0	6.96e-06
1246	302	-0.13	0.34	-0.03	-1.03e-04	0.0	3.21e-06
1246	305	-0.48	0.58	0.02	-1.57e-04	0.0	9.69e-06
1246	307	-0.33	0.70	8.79e-03	-1.65e-04	0.0	6.96e-06
1246	309	-0.21	0.35	-0.02	-1.04e-04	0.0	4.43e-06
1246	310	-0.33	0.56	8.75e-03	-1.55e-04	0.0	7.26e-06
1247	44	-1.83	1.16	0.14	-2.69e-04	0.0	4.89e-05
1247	47	-1.68	0.90	0.15	-1.98e-04	0.0	4.50e-05
1247	68	-0.64	2.16	0.02	-3.33e-04	0.0	1.26e-05
1247	123	-9.92	3.89	0.84	-4.00e-04	0.0	7.69e-05
1247	129	-1.99	13.60	0.16	-1.16e-03	0.0	4.64e-04
1247	155	-11.10	4.33	0.94	-4.33e-04	0.0	8.62e-05
1247	161	-2.20	15.33	0.18	-1.29e-03	0.0	5.23e-04
1247	187	-10.95	4.48	0.93	-4.46e-04	0.0	9.10e-05
1247	193	-2.26	15.89	0.19	-1.34e-03	0.0	5.33e-04
1247	219	-12.69	5.28	1.08	-5.07e-04	0.0	1.09e-04
1247	225	-2.65	19.02	0.23	-1.58e-03	0.0	6.36e-04
1247	263	-1.22	0.76	0.09	-1.72e-04	0.0	3.21e-05
1247	264	-1.24	0.81	0.09	-1.88e-04	0.0	3.32e-05
1247	276	-0.45	1.47	9.21e-03	-2.30e-04	0.0	8.92e-06
1247	302	-0.19	0.40	-0.03	-1.03e-04	0.0	3.39e-06
1247	305	-0.57	0.66	0.02	-1.57e-04	0.0	1.34e-05
1247	307	-0.42	0.79	7.92e-03	-1.66e-04	0.0	8.58e-06
1247	309	-0.26	0.41	-0.03	-1.04e-04	0.0	5.67e-06
1247	310	-0.42	0.64	7.83e-03	-1.56e-04	0.0	8.89e-06
1248	28	-0.37	0.26	-0.91	-2.39e-04	0.0	-1.47e-05
1248	45	-0.68	0.13	-0.37	-1.06e-04	0.0	-7.48e-06

1248	68	0.06	0.82	-0.79	-3.29e-04	0.0	-2.20e-05
1248	122	5.30	-1.78	-0.26	4.03e-04	0.0	-2.47e-05
1248	123	-5.26	2.00	-0.74	-6.33e-04	0.0	1.04e-05
1248	137	0.18	6.39	-0.60	-1.80e-03	0.0	-1.36e-05
1248	154	5.96	-2.03	-0.23	4.71e-04	0.0	-2.70e-05
1248	155	-5.92	2.26	-0.77	-7.01e-04	0.0	1.27e-05
1248	169	0.19	7.22	-0.61	-2.02e-03	0.0	-1.44e-05
1248	186	5.88	-2.10	-0.23	4.90e-04	0.0	-2.84e-05
1248	187	-5.83	2.33	-0.76	-7.20e-04	0.0	1.41e-05
1248	201	0.21	7.41	-0.62	-2.07e-03	0.0	-1.22e-05
1248	218	6.84	-2.54	-0.18	6.11e-04	0.0	-3.31e-05
1248	231	-4.08	8.11	-0.81	-2.26e-03	0.0	1.26e-04
1248	233	0.25	8.79	-0.64	-2.44e-03	0.0	-1.24e-05
1248	256	-0.25	0.18	-0.64	-1.65e-04	0.0	-1.03e-05
1248	261	-0.44	0.12	-0.38	-9.89e-05	0.0	-6.98e-06
1248	276	0.04	0.55	-0.56	-2.25e-04	0.0	-1.51e-05
1248	298	0.02	0.12	-0.52	-1.22e-04	0.0	-7.49e-06
1248	304	-0.08	0.08	-0.36	-7.83e-05	0.0	-5.56e-06
1248	307	0.02	0.20	-0.50	-1.34e-04	0.0	-8.55e-06
1248	310	0.02	0.11	-0.50	-1.15e-04	0.0	-7.17e-06
1249	28	-0.30	0.12	-0.92	-2.46e-04	-3.05e-04	-9.72e-06
1249	45	-0.59	0.07	-0.37	-1.14e-04	-1.15e-04	-1.50e-06
1249	68	0.08	0.64	-0.79	-3.34e-04	-2.57e-04	-1.44e-05
1249	122	4.71	-1.56	-0.26	4.08e-04	-9.61e-05	-1.39e-05
1249	123	-4.64	1.66	-0.74	-6.41e-04	-2.26e-04	1.66e-06
1249	137	0.17	5.41	-0.60	-1.82e-03	-1.34e-04	0.0
1249	154	5.30	-1.77	-0.23	4.77e-04	-8.79e-05	-1.52e-05
1249	155	-5.22	1.87	-0.77	-7.10e-04	-2.34e-04	2.91e-06
1249	169	0.19	6.12	-0.62	-2.04e-03	-1.30e-04	0.0
1249	186	5.22	-1.83	-0.23	4.96e-04	-8.89e-05	-1.75e-05
1249	199	-3.05	5.72	-0.77	-1.91e-03	-1.67e-04	1.19e-04
1249	201	0.20	6.28	-0.62	-2.10e-03	-1.31e-04	1.65e-06
1249	218	6.07	-2.21	-0.18	6.19e-04	-7.72e-05	-2.10e-05
1249	231	-3.59	6.88	-0.82	-2.28e-03	-1.68e-04	1.45e-04
1249	233	0.24	7.46	-0.64	-2.47e-03	-1.25e-04	3.41e-06
1249	256	-0.20	0.08	-0.64	-1.70e-04	-2.13e-04	-6.85e-06
1249	261	-0.38	0.06	-0.38	-1.05e-04	-1.18e-04	-2.64e-06
1249	276	0.05	0.43	-0.56	-2.29e-04	-1.81e-04	-9.99e-06
1249	298	0.04	0.05	-0.52	-1.24e-04	-1.70e-04	-6.44e-06
1249	303	0.08	0.05	-0.50	-1.14e-04	-1.60e-04	-6.30e-06
1249	307	0.04	0.12	-0.50	-1.36e-04	-1.61e-04	-6.75e-06
1249	310	0.04	0.05	-0.50	-1.17e-04	-1.61e-04	-6.14e-06
1250	28	-0.46	0.39	-0.91	-2.26e-04	0.0	-2.19e-05
1250	47	-0.77	0.31	-0.62	-1.61e-04	0.0	-1.71e-05
1250	68	0.03	0.99	-0.79	-3.20e-04	0.0	-2.94e-05
1250	122	5.91	-1.99	-0.26	3.85e-04	0.0	-3.13e-05
1250	123	-5.91	2.34	-0.73	-6.08e-04	0.0	1.07e-05
1250	137	0.17	7.34	-0.60	-1.75e-03	0.0	-4.05e-05
1250	154	6.65	-2.27	-0.23	4.50e-04	0.0	-3.40e-05
1250	155	-6.65	2.62	-0.76	-6.74e-04	0.0	1.33e-05
1250	169	0.19	8.28	-0.61	-1.96e-03	0.0	-4.44e-05
1250	186	6.56	-2.36	-0.23	4.69e-04	0.0	-3.46e-05
1250	187	-6.55	2.71	-0.76	-6.92e-04	0.0	1.39e-05
1250	201	0.21	8.50	-0.61	-2.01e-03	0.0	-4.36e-05
1250	218	7.64	-2.87	-0.18	5.86e-04	0.0	-3.95e-05
1250	231	-4.60	9.30	-0.81	-2.20e-03	0.0	1.25e-04
1250	233	0.25	10.08	-0.64	-2.37e-03	0.0	-4.95e-05
1250	256	-0.30	0.27	-0.64	-1.56e-04	0.0	-1.53e-05
1250	263	-0.51	0.25	-0.54	-1.35e-04	0.0	-1.43e-05
1250	276	0.02	0.67	-0.56	-2.19e-04	0.0	-2.03e-05
1250	298	4.75e-04	0.19	-0.52	-1.18e-04	0.0	-1.08e-05
1250	305	-0.10	0.19	-0.50	-1.15e-04	0.0	-1.10e-05
1250	307	3.70e-03	0.27	-0.50	-1.30e-04	0.0	-1.20e-05
1250	309	2.84e-03	0.11	-0.35	-7.05e-05	0.0	-7.59e-06
1250	310	8.12e-04	0.18	-0.50	-1.12e-04	0.0	-1.03e-05
1251	28	-0.55	0.50	-0.91	-2.13e-04	0.0	-2.75e-05
1251	43	-0.88	0.45	-0.77	-1.75e-04	0.0	-2.52e-05
1251	68	-0.02	1.16	-0.79	-3.12e-04	0.0	-3.39e-05
1251	123	-6.58	2.65	-0.73	-4.84e-04	0.0	1.22e-05
1251	137	0.16	8.26	-0.59	-1.69e-03	0.0	-4.26e-05
1251	155	-7.40	2.97	-0.76	-5.34e-04	0.0	1.54e-05
1251	169	0.18	9.31	-0.61	-1.90e-03	0.0	-4.64e-05
1251	187	-7.29	3.07	-0.76	-5.52e-04	0.0	1.60e-05
1251	201	0.20	9.56	-0.61	-1.95e-03	0.0	-4.50e-05
1251	219	-8.49	3.64	-0.80	-6.45e-04	0.0	2.19e-05

1251	231	-5.13	10.46	-0.81	-2.09e-03	0.0	1.44e-04
1251	233	0.25	11.33	-0.63	-2.30e-03	0.0	-5.05e-05
1251	256	-0.37	0.35	-0.64	-1.47e-04	0.0	-1.92e-05
1251	263	-0.59	0.31	-0.54	-1.22e-04	0.0	-1.77e-05
1251	276	-0.01	0.78	-0.56	-2.14e-04	0.0	-2.35e-05
1251	298	-0.03	0.25	-0.52	-1.16e-04	0.0	-1.41e-05
1251	305	-0.14	0.25	-0.50	-1.11e-04	0.0	-1.42e-05
1251	307	-0.02	0.34	-0.50	-1.27e-04	0.0	-1.51e-05
1251	310	-0.03	0.23	-0.50	-1.09e-04	0.0	-1.35e-05
1252	28	-0.37	0.26	-1.14	-2.35e-04	0.0	6.24e-06
1252	45	-0.67	0.13	-0.45	-1.01e-04	0.0	1.43e-05
1252	68	0.06	0.82	-0.98	-3.28e-04	0.0	-3.45e-06
1252	122	5.31	-1.75	-0.34	3.93e-04	0.0	-2.93e-05
1252	123	-5.26	1.99	-0.90	-6.21e-04	0.0	2.67e-05
1252	137	0.18	6.39	-0.70	-1.82e-03	0.0	2.15e-06
1252	154	5.96	-2.00	-0.30	4.60e-04	0.0	-3.31e-05
1252	155	-5.91	2.23	-0.93	-6.88e-04	0.0	3.05e-05
1252	169	0.20	7.22	-0.71	-2.04e-03	0.0	2.70e-06
1252	186	5.88	-2.07	-0.31	4.79e-04	0.0	-3.57e-05
1252	187	-5.83	2.31	-0.93	-7.08e-04	0.0	3.31e-05
1252	201	0.21	7.41	-0.71	-2.09e-03	0.0	4.97e-06
1252	218	6.84	-2.51	-0.25	5.99e-04	0.0	-4.33e-05
1252	219	-6.79	2.75	-0.98	-8.27e-04	0.0	4.07e-05
1252	233	0.25	8.79	-0.73	-2.47e-03	0.0	6.80e-06
1252	256	-0.24	0.18	-0.80	-1.63e-04	0.0	4.14e-06
1252	261	-0.44	0.11	-0.46	-9.53e-05	0.0	9.16e-06
1252	276	0.04	0.55	-0.70	-2.24e-04	0.0	-2.32e-06
1252	298	0.03	0.12	-0.65	-1.21e-04	0.0	-1.38e-06
1252	304	-0.07	0.08	-0.44	-7.72e-05	0.0	1.13e-06
1252	307	0.03	0.20	-0.62	-1.33e-04	0.0	-1.44e-06
1252	310	0.02	0.12	-0.62	-1.14e-04	0.0	-1.31e-06
1253	28	-0.30	0.13	-1.15	-2.39e-04	-1.62e-04	-2.64e-06
1253	45	-0.59	0.07	-0.45	-1.05e-04	-5.86e-05	2.53e-06
1253	68	0.08	0.64	-0.99	-3.30e-04	-1.34e-04	-7.81e-06
1253	122	4.71	-1.54	-0.34	3.99e-04	-5.08e-05	-2.22e-05
1253	123	-4.64	1.65	-0.90	-6.29e-04	-1.16e-04	1.62e-05
1253	137	0.17	5.40	-0.70	-1.83e-03	-5.17e-05	-5.11e-06
1253	154	5.29	-1.75	-0.31	4.67e-04	-4.68e-05	-2.49e-05
1253	155	-5.22	1.86	-0.94	-6.97e-04	-1.20e-04	1.89e-05
1253	169	0.19	6.11	-0.71	-2.06e-03	-4.76e-05	-5.41e-06
1253	186	5.22	-1.81	-0.31	4.87e-04	-4.77e-05	-2.73e-05
1253	187	-5.15	1.92	-0.93	-7.16e-04	-1.19e-04	2.12e-05
1253	201	0.20	6.27	-0.72	-2.11e-03	-4.70e-05	-4.55e-06
1253	218	6.07	-2.19	-0.26	6.08e-04	-4.21e-05	-3.30e-05
1253	219	-6.00	2.30	-0.99	-8.37e-04	-1.25e-04	2.70e-05
1253	233	0.24	7.44	-0.74	-2.49e-03	-4.02e-05	-4.73e-06
1253	256	-0.20	0.09	-0.81	-1.65e-04	-1.13e-04	-1.95e-06
1253	261	-0.38	0.06	-0.47	-9.86e-05	-6.02e-05	0.0
1253	276	0.05	0.43	-0.70	-2.26e-04	-9.39e-05	-5.40e-06
1253	298	0.04	0.06	-0.65	-1.22e-04	-8.81e-05	-3.15e-06
1253	303	0.07	0.05	-0.62	-1.12e-04	-8.28e-05	-3.33e-06
1253	307	0.04	0.13	-0.62	-1.34e-04	-8.31e-05	-3.42e-06
1253	310	0.03	0.05	-0.62	-1.15e-04	-8.34e-05	-3.02e-06
1254	28	-0.45	0.38	-1.13	-2.26e-04	0.0	9.28e-06
1254	47	-0.76	0.30	-0.77	-1.60e-04	0.0	1.89e-05
1254	68	0.03	1.00	-0.98	-3.21e-04	0.0	-3.05e-06
1254	122	5.91	-1.96	-0.34	3.76e-04	0.0	-2.76e-05
1254	123	-5.91	2.32	-0.89	-6.01e-04	0.0	2.51e-05
1254	137	0.18	7.36	-0.69	-1.76e-03	0.0	6.03e-06
1254	154	6.65	-2.25	-0.30	4.41e-04	0.0	-3.11e-05
1254	155	-6.64	2.60	-0.93	-6.65e-04	0.0	2.87e-05
1254	169	0.20	8.30	-0.70	-1.98e-03	0.0	7.21e-06
1254	186	6.56	-2.33	-0.31	4.60e-04	0.0	-3.31e-05
1254	187	-6.55	2.68	-0.92	-6.84e-04	0.0	3.06e-05
1254	201	0.22	8.52	-0.71	-2.03e-03	0.0	1.11e-05
1254	218	7.63	-2.83	-0.25	5.75e-04	0.0	-4.01e-05
1254	219	-7.63	3.19	-0.98	-8.00e-04	0.0	3.76e-05
1254	233	0.26	10.10	-0.73	-2.39e-03	0.0	1.48e-05
1254	256	-0.30	0.27	-0.80	-1.56e-04	0.0	6.20e-06
1254	263	-0.50	0.24	-0.67	-1.34e-04	0.0	1.22e-05
1254	276	0.02	0.67	-0.69	-2.20e-04	0.0	-2.03e-06
1254	298	4.49e-03	0.19	-0.64	-1.19e-04	0.0	-1.32e-06
1254	305	-0.10	0.19	-0.62	-1.15e-04	0.0	1.47e-06
1254	307	7.51e-03	0.27	-0.62	-1.31e-04	0.0	-1.31e-06
1254	309	5.41e-03	0.11	-0.43	-7.12e-05	0.0	0.0

1254	310	4.62e-03	0.18	-0.61	-1.12e-04	0.0	-1.24e-06
1255	28	-0.54	0.50	-1.13	-2.14e-04	0.0	8.79e-06
1255	43	-0.87	0.45	-0.95	-1.76e-04	0.0	1.87e-05
1255	68	-0.01	1.17	-0.98	-3.13e-04	0.0	-4.25e-06
1255	123	-6.58	2.63	-0.89	-4.80e-04	0.0	6.53e-05
1255	137	0.16	8.28	-0.69	-1.69e-03	0.0	5.31e-06
1255	155	-7.39	2.95	-0.93	-5.30e-04	0.0	7.37e-05
1255	169	0.19	9.33	-0.70	-1.89e-03	0.0	6.55e-06
1255	187	-7.29	3.04	-0.92	-5.48e-04	0.0	7.32e-05
1255	201	0.21	9.58	-0.71	-1.94e-03	0.0	1.11e-05
1255	219	-8.48	3.60	-0.97	-6.39e-04	0.0	8.70e-05
1255	233	0.26	11.35	-0.73	-2.29e-03	0.0	1.52e-05
1255	256	-0.36	0.35	-0.79	-1.48e-04	0.0	5.82e-06
1255	263	-0.58	0.31	-0.67	-1.22e-04	0.0	1.24e-05
1255	276	-8.19e-03	0.79	-0.69	-2.14e-04	0.0	-2.88e-06
1255	298	-0.02	0.25	-0.64	-1.17e-04	0.0	-2.11e-06
1255	305	-0.13	0.25	-0.62	-1.11e-04	0.0	0.0
1255	307	-0.02	0.34	-0.61	-1.28e-04	0.0	-2.07e-06
1255	310	-0.02	0.24	-0.61	-1.10e-04	0.0	-2.01e-06
1256	28	-0.36	0.25	-1.24	-2.28e-04	0.0	1.37e-05
1256	45	-0.67	0.12	-0.49	-9.02e-05	0.0	1.91e-05
1256	68	0.07	0.82	-1.06	-3.24e-04	0.0	3.76e-06
1256	122	5.31	-1.73	-0.36	2.77e-04	0.0	-3.09e-05
1256	123	-5.25	1.96	-0.97	-5.04e-04	0.0	3.45e-05
1256	137	0.18	6.37	-0.73	-1.82e-03	0.0	-6.72e-06
1256	154	5.96	-1.97	-0.32	3.29e-04	0.0	-3.53e-05
1256	155	-5.90	2.20	-1.01	-5.56e-04	0.0	3.90e-05
1256	169	0.20	7.20	-0.73	-2.04e-03	0.0	-7.86e-06
1256	186	5.88	-2.04	-0.33	3.49e-04	0.0	-3.79e-05
1256	187	-5.82	2.27	-1.00	-5.75e-04	0.0	4.16e-05
1256	201	0.22	7.38	-0.74	-2.09e-03	0.0	-6.99e-06
1256	218	6.84	-2.48	-0.27	4.45e-04	0.0	-4.66e-05
1256	219	-6.78	2.71	-1.06	-6.72e-04	0.0	5.02e-05
1256	233	0.26	8.76	-0.75	-2.47e-03	0.0	-8.49e-06
1256	256	-0.24	0.17	-0.87	-1.58e-04	0.0	9.29e-06
1256	261	-0.44	0.10	-0.50	-8.80e-05	0.0	1.31e-05
1256	276	0.05	0.55	-0.75	-2.22e-04	0.0	2.66e-06
1256	298	0.03	0.12	-0.70	-1.20e-04	0.0	1.92e-06
1256	303	0.07	0.11	-0.66	-1.12e-04	0.0	0.0
1256	307	0.03	0.20	-0.67	-1.32e-04	0.0	1.98e-06
1256	310	0.03	0.12	-0.67	-1.13e-04	0.0	1.82e-06
1257	28	-0.30	0.13	-1.24	-2.31e-04	4.25e-05	5.96e-06
1257	45	-0.59	0.06	-0.48	-9.34e-05	2.07e-05	6.71e-06
1257	68	0.07	0.64	-1.07	-3.26e-04	4.22e-05	0.0
1257	122	4.71	-1.52	-0.36	3.90e-04	9.99e-06	-2.87e-05
1257	123	-4.64	1.63	-0.97	-6.18e-04	4.45e-05	3.10e-05
1257	137	0.17	5.38	-0.73	-1.84e-03	5.83e-05	-8.84e-06
1257	154	5.29	-1.73	-0.32	4.57e-04	7.77e-06	-3.28e-05
1257	155	-5.22	1.84	-1.01	-6.84e-04	4.67e-05	3.50e-05
1257	169	0.19	6.08	-0.74	-2.07e-03	6.24e-05	-1.02e-05
1257	186	5.21	-1.79	-0.33	4.76e-04	7.59e-06	-3.52e-05
1257	187	-5.15	1.90	-1.01	-7.04e-04	4.69e-05	3.75e-05
1257	201	0.20	6.24	-0.74	-2.12e-03	6.34e-05	-9.78e-06
1257	218	6.07	-2.16	-0.27	5.96e-04	3.91e-06	-4.32e-05
1257	219	-6.00	2.27	-1.06	-8.23e-04	5.06e-05	4.54e-05
1257	233	0.24	7.41	-0.75	-2.50e-03	7.03e-05	-1.18e-05
1257	256	-0.20	0.09	-0.87	-1.60e-04	3.09e-05	4.02e-06
1257	261	-0.38	0.05	-0.50	-9.02e-05	2.19e-05	4.68e-06
1257	276	0.05	0.43	-0.75	-2.23e-04	3.07e-05	0.0
1257	298	0.04	0.06	-0.70	-1.21e-04	2.80e-05	1.20e-06
1257	303	0.07	0.05	-0.66	-1.12e-04	2.73e-05	0.0
1257	307	0.04	0.13	-0.67	-1.33e-04	2.75e-05	0.0
1257	310	0.03	0.05	-0.67	-1.14e-04	2.72e-05	1.11e-06
1258	28	-0.44	0.37	-1.24	-2.21e-04	0.0	2.01e-05
1258	45	-0.75	0.16	-0.49	-8.19e-05	0.0	2.83e-05
1258	68	0.04	0.99	-1.06	-3.19e-04	0.0	7.12e-06
1258	122	5.92	-1.93	-0.36	2.69e-04	0.0	-2.98e-05
1258	123	-5.90	2.28	-0.97	-4.92e-04	0.0	3.53e-05
1258	137	0.18	7.34	-0.73	-1.76e-03	0.0	-5.37e-06
1258	154	6.65	-2.21	-0.32	3.20e-04	0.0	-3.43e-05
1258	155	-6.63	2.56	-1.01	-5.43e-04	0.0	3.97e-05
1258	169	0.20	8.28	-0.73	-1.98e-03	0.0	-6.41e-06
1258	186	6.56	-2.29	-0.32	3.39e-04	0.0	-3.67e-05
1258	187	-6.54	2.64	-1.01	-5.62e-04	0.0	4.22e-05
1258	201	0.22	8.49	-0.74	-2.03e-03	0.0	-5.03e-06

1258	218	7.63	-2.79	-0.27	4.32e-04	0.0	-4.55e-05
1258	219	-7.62	3.14	-1.06	-6.56e-04	0.0	5.09e-05
1258	233	0.26	10.07	-0.75	-2.39e-03	0.0	-6.15e-06
1258	256	-0.29	0.26	-0.87	-1.53e-04	0.0	1.37e-05
1258	261	-0.50	0.15	-0.50	-8.20e-05	0.0	1.96e-05
1258	276	0.03	0.67	-0.75	-2.18e-04	0.0	5.01e-06
1258	298	9.06e-03	0.19	-0.70	-1.19e-04	0.0	2.85e-06
1258	304	-0.09	0.12	-0.47	-7.29e-05	0.0	5.52e-06
1258	307	0.01	0.27	-0.67	-1.30e-04	0.0	3.18e-06
1258	310	8.95e-03	0.18	-0.67	-1.12e-04	0.0	2.73e-06
1259	28	-0.53	0.49	-1.24	-2.12e-04	0.0	2.35e-05
1259	43	-0.86	0.43	-1.04	-1.73e-04	0.0	3.49e-05
1259	68	-3.62e-03	1.16	-1.07	-3.12e-04	0.0	8.85e-06
1259	123	-6.57	2.59	-0.98	-4.76e-04	0.0	8.08e-05
1259	137	0.17	8.26	-0.73	-1.68e-03	0.0	-4.63e-06
1259	155	-7.38	2.90	-1.02	-5.25e-04	0.0	9.06e-05
1259	169	0.19	9.32	-0.74	-1.89e-03	0.0	-5.63e-06
1259	187	-7.28	3.00	-1.01	-5.42e-04	0.0	9.08e-05
1259	201	0.21	9.56	-0.74	-1.94e-03	0.0	-3.82e-06
1259	219	-8.47	3.55	-1.07	-6.32e-04	0.0	1.07e-04
1259	233	0.26	11.33	-0.75	-2.28e-03	0.0	-4.69e-06
1259	256	-0.36	0.34	-0.87	-1.47e-04	0.0	1.60e-05
1259	263	-0.58	0.30	-0.73	-1.21e-04	0.0	2.36e-05
1259	276	-3.15e-03	0.79	-0.75	-2.13e-04	0.0	6.22e-06
1259	298	-0.02	0.25	-0.70	-1.16e-04	0.0	3.54e-06
1259	305	-0.13	0.24	-0.67	-1.10e-04	0.0	7.40e-06
1259	307	-0.02	0.34	-0.67	-1.27e-04	0.0	3.94e-06
1259	310	-0.02	0.24	-0.67	-1.09e-04	0.0	3.39e-06
1260	28	-0.35	0.24	-1.13	-2.21e-04	0.0	1.50e-05
1260	45	-0.66	0.10	-0.44	-7.94e-05	0.0	1.88e-05
1260	68	0.08	0.82	-0.96	-3.20e-04	0.0	5.43e-06
1260	122	5.31	-1.70	-0.35	2.78e-04	0.0	-3.14e-05
1260	123	-5.24	1.93	-0.85	-5.02e-04	0.0	3.69e-05
1260	137	0.19	6.35	-0.64	-1.81e-03	0.0	-1.05e-05
1260	154	5.96	-1.94	-0.32	3.30e-04	0.0	-3.61e-05
1260	155	-5.90	2.17	-0.88	-5.54e-04	0.0	4.16e-05
1260	169	0.21	7.17	-0.65	-2.04e-03	0.0	-1.23e-05
1260	186	5.88	-2.01	-0.32	3.48e-04	0.0	-3.86e-05
1260	187	-5.81	2.24	-0.88	-5.73e-04	0.0	4.41e-05
1260	201	0.22	7.35	-0.65	-2.09e-03	0.0	-1.18e-05
1260	218	6.84	-2.44	-0.28	4.44e-04	0.0	-4.77e-05
1260	219	-6.77	2.67	-0.93	-6.69e-04	0.0	5.32e-05
1260	233	0.26	8.73	-0.66	-2.46e-03	0.0	-1.45e-05
1260	256	-0.23	0.17	-0.79	-1.53e-04	0.0	1.02e-05
1260	261	-0.43	0.10	-0.45	-8.04e-05	0.0	1.32e-05
1260	276	0.05	0.55	-0.68	-2.19e-04	0.0	3.82e-06
1260	298	0.03	0.12	-0.63	-1.19e-04	0.0	2.90e-06
1260	303	0.08	0.11	-0.60	-1.11e-04	0.0	1.61e-06
1260	307	0.04	0.20	-0.60	-1.31e-04	0.0	2.92e-06
1260	310	0.03	0.11	-0.60	-1.12e-04	0.0	2.75e-06
1261	28	-0.94	0.78	-6.10	-3.985e+08	362.24	2.72e-05
1261	44	-1.28	0.67	-5.10	-3.280e+08	298.18	2.95e-05
1261	68	-0.29	1.71	-4.90	-3.280e+08	298.18	1.84e-05
1261	123	-8.97	2.63	-4.08	-2.118e+08	192.50	1.55e-04
1261	128	-8.29	-2.75	-4.69	-2.118e+08	192.50	-3.85e-06
1261	137	1.15	10.85	-1.85	-2.118e+08	192.50	2.46e-04
1261	155	-10.06	2.93	-4.18	-2.118e+08	192.50	1.73e-04
1261	160	-9.30	-3.16	-4.88	-2.118e+08	192.50	-5.93e-06
1261	169	1.31	12.22	-1.67	-2.118e+08	192.50	2.76e-04
1261	187	-9.90	3.03	-4.14	-2.118e+08	192.50	1.76e-04
1261	192	-9.15	-3.25	-4.85	-2.118e+08	192.50	-7.82e-06
1261	201	1.28	12.51	-1.66	-2.118e+08	192.50	2.78e-04
1261	219	-11.48	3.58	-4.28	-2.118e+08	192.50	2.08e-04
1261	224	-10.60	-3.94	-5.13	-2.118e+08	192.50	-1.23e-05
1261	233	1.52	14.79	-1.37	-2.118e+08	192.50	3.27e-04
1261	256	-0.63	0.54	-4.21	-2.744e+08	249.45	1.87e-05
1261	264	-0.86	0.46	-3.54	-2.274e+08	206.74	2.02e-05
1261	276	-0.20	1.16	-3.40	-2.274e+08	206.74	1.28e-05
1261	298	-0.20	0.44	-3.46	-2.274e+08	206.74	1.08e-05
1261	305	-0.32	0.41	-3.24	-2.118e+08	192.50	1.18e-05
1261	307	-0.19	0.55	-3.21	-2.118e+08	192.50	1.04e-05
1261	310	-0.19	0.41	-3.22	-2.118e+08	192.50	1.01e-05
1262	28	-0.43	0.36	-1.18	-2.16e-04	0.0	2.24e-05
1262	45	-0.75	0.15	-0.46	-7.44e-05	0.0	2.87e-05
1262	68	0.05	0.99	-1.01	-3.16e-04	0.0	9.81e-06

1262	122	5.92	-1.90	-0.35	2.68e-04	0.0	-3.14e-05
1262	123	-5.89	2.25	-0.91	-4.89e-04	0.0	3.95e-05
1262	137	0.18	7.31	-0.67	-1.76e-03	0.0	-1.17e-05
1262	154	6.65	-2.17	-0.31	3.18e-04	0.0	-3.62e-05
1262	155	-6.62	2.52	-0.95	-5.39e-04	0.0	4.43e-05
1262	169	0.21	8.25	-0.68	-1.97e-03	0.0	-1.38e-05
1262	186	6.56	-2.25	-0.31	3.36e-04	0.0	-3.88e-05
1262	187	-6.53	2.60	-0.95	-5.57e-04	0.0	4.69e-05
1262	201	0.22	8.46	-0.68	-2.02e-03	0.0	-1.32e-05
1262	218	7.63	-2.74	-0.26	4.29e-04	0.0	-4.82e-05
1262	219	-7.61	3.09	-1.00	-6.50e-04	0.0	5.64e-05
1262	233	0.27	10.03	-0.69	-2.38e-03	0.0	-1.64e-05
1262	256	-0.29	0.25	-0.83	-1.49e-04	0.0	1.53e-05
1262	261	-0.50	0.14	-0.47	-7.66e-05	0.0	2.02e-05
1262	276	0.03	0.67	-0.71	-2.16e-04	0.0	6.87e-06
1262	298	0.01	0.19	-0.66	-1.17e-04	0.0	4.26e-06
1262	304	-0.09	0.11	-0.45	-7.11e-05	0.0	6.36e-06
1262	307	0.02	0.27	-0.63	-1.29e-04	0.0	4.58e-06
1262	310	0.01	0.17	-0.63	-1.11e-04	0.0	4.07e-06
1263	28	-0.53	0.47	-1.23	-2.09e-04	0.0	2.71e-05
1263	43	-0.86	0.41	-1.03	-1.70e-04	0.0	3.81e-05
1263	68	2.93e-03	1.15	-1.05	-3.10e-04	0.0	1.26e-05
1263	123	-6.56	2.55	-0.97	-4.70e-04	0.0	8.51e-05
1263	137	0.17	8.23	-0.70	-1.67e-03	0.0	1.33e-04
1263	155	-7.38	2.86	-1.01	-5.19e-04	0.0	9.53e-05
1263	169	0.20	9.28	-0.70	-1.88e-03	0.0	1.48e-04
1263	187	-7.27	2.95	-1.01	-5.36e-04	0.0	9.57e-05
1263	201	0.22	9.52	-0.70	-1.93e-03	0.0	1.46e-04
1263	219	-8.47	3.49	-1.07	-6.24e-04	0.0	1.13e-04
1263	233	0.27	11.28	-0.71	-2.27e-03	0.0	1.70e-04
1263	256	-0.35	0.33	-0.86	-1.44e-04	0.0	1.85e-05
1263	263	-0.57	0.28	-0.72	-1.19e-04	0.0	2.58e-05
1263	276	1.44e-03	0.78	-0.74	-2.12e-04	0.0	8.84e-06
1263	298	-0.02	0.25	-0.69	-1.15e-04	0.0	5.41e-06
1263	305	-0.13	0.24	-0.66	-1.09e-04	0.0	9.25e-06
1263	307	-0.01	0.34	-0.65	-1.26e-04	0.0	5.83e-06
1263	310	-0.01	0.23	-0.65	-1.08e-04	0.0	5.17e-06
1264	28	-0.34	0.23	-0.95	-2.14e-04	0.0	1.47e-05
1264	45	-0.66	0.09	-0.39	-7.11e-05	0.0	1.83e-05
1264	68	0.08	0.81	-0.80	-3.16e-04	0.0	5.31e-06
1264	122	5.31	-1.68	-0.11	2.77e-04	0.0	-3.15e-05
1264	123	-5.23	1.90	-0.89	-4.99e-04	0.0	3.70e-05
1264	137	0.19	6.33	-0.51	-1.81e-03	0.0	-1.09e-05
1264	154	5.96	-1.91	-0.06	3.29e-04	0.0	-3.62e-05
1264	155	-5.89	2.14	-0.94	-5.51e-04	0.0	4.16e-05
1264	169	0.21	7.14	-0.52	-2.03e-03	0.0	-1.28e-05
1264	186	5.88	-1.98	-0.06	3.47e-04	0.0	-3.87e-05
1264	187	-5.81	2.20	-0.94	-5.69e-04	0.0	4.41e-05
1264	201	0.23	7.32	-0.52	-2.08e-03	0.0	-1.23e-05
1264	218	6.84	-2.40	0.01	4.42e-04	0.0	-4.77e-05
1264	219	-6.77	2.63	-1.01	-6.64e-04	0.0	5.32e-05
1264	233	0.26	8.69	-0.52	-2.46e-03	0.0	-1.51e-05
1264	256	-0.23	0.16	-0.67	-1.48e-04	0.0	9.99e-06
1264	261	-0.43	0.09	-0.39	-7.46e-05	0.0	1.29e-05
1264	276	0.06	0.55	-0.56	-2.16e-04	0.0	3.73e-06
1264	298	0.04	0.12	-0.53	-1.18e-04	0.0	2.86e-06
1264	303	0.08	0.11	-0.49	-1.10e-04	0.0	1.61e-06
1264	307	0.04	0.20	-0.50	-1.29e-04	0.0	2.88e-06
1264	310	0.04	0.11	-0.50	-1.11e-04	0.0	2.71e-06
1265	28	-0.43	0.35	-1.13	-2.10e-04	0.0	2.24e-05
1265	45	-0.75	0.13	-0.46	-6.80e-05	0.0	2.82e-05
1265	68	0.05	0.98	-0.94	-3.12e-04	0.0	9.97e-06
1265	122	5.92	-1.87	-0.08	2.66e-04	0.0	-3.20e-05
1265	123	-5.89	2.21	-1.10	-4.85e-04	0.0	4.05e-05
1265	137	0.19	7.29	-0.61	-1.75e-03	0.0	1.20e-04
1265	154	6.65	-2.14	-0.01	3.16e-04	0.0	-3.69e-05
1265	155	-6.62	2.48	-1.16	-5.35e-04	0.0	4.54e-05
1265	169	0.21	8.22	-0.61	-1.96e-03	0.0	1.35e-04
1265	186	6.56	-2.22	-0.02	3.34e-04	0.0	-3.95e-05
1265	187	-6.53	2.56	-1.16	-5.52e-04	0.0	4.80e-05
1265	201	0.23	8.43	-0.61	-2.01e-03	0.0	1.33e-04
1265	218	7.63	-2.70	0.07	4.26e-04	0.0	-4.92e-05
1265	219	-7.60	3.04	-1.25	-6.44e-04	0.0	5.76e-05
1265	233	0.27	9.99	-0.62	-2.37e-03	0.0	1.55e-04
1265	256	-0.28	0.24	-0.79	-1.46e-04	0.0	1.53e-05

1265	261	-0.49	0.13	-0.46	-7.21e-05	0.0	1.99e-05
1265	276	0.03	0.66	-0.66	-2.14e-04	0.0	6.98e-06
1265	298	0.02	0.18	-0.62	-1.16e-04	0.0	4.42e-06
1265	304	-0.09	0.11	-0.41	-6.95e-05	0.0	6.37e-06
1265	307	0.02	0.27	-0.59	-1.27e-04	0.0	4.71e-06
1265	310	0.02	0.17	-0.59	-1.09e-04	0.0	4.22e-06
1266	28	-0.52	0.46	-1.28	-2.06e-04	0.0	2.73e-05
1266	43	-0.85	0.38	-1.08	-1.66e-04	0.0	3.80e-05
1266	68	6.55e-03	1.15	-1.07	-3.08e-04	0.0	1.29e-05
1266	123	-6.56	2.51	-1.27	-4.65e-04	0.0	8.56e-05
1266	137	0.18	8.20	-0.69	-1.67e-03	0.0	1.35e-04
1266	155	-7.37	2.81	-1.34	-5.13e-04	0.0	9.58e-05
1266	169	0.20	9.25	-0.69	-1.87e-03	0.0	1.51e-04
1266	187	-7.27	2.90	-1.34	-5.29e-04	0.0	9.62e-05
1266	201	0.22	9.48	-0.69	-1.92e-03	0.0	1.48e-04
1266	219	-8.46	3.44	-1.45	-6.17e-04	0.0	1.13e-04
1266	233	0.27	11.23	-0.70	-2.26e-03	0.0	1.73e-04
1266	256	-0.35	0.32	-0.89	-1.42e-04	0.0	1.86e-05
1266	263	-0.57	0.27	-0.76	-1.16e-04	0.0	2.58e-05
1266	276	3.98e-03	0.78	-0.75	-2.11e-04	0.0	9.07e-06
1266	298	-0.01	0.24	-0.70	-1.14e-04	0.0	5.63e-06
1266	305	-0.12	0.23	-0.68	-1.08e-04	0.0	9.40e-06
1266	307	-9.05e-03	0.33	-0.67	-1.25e-04	0.0	6.04e-06
1266	310	-0.01	0.23	-0.67	-1.07e-04	0.0	5.38e-06
1267	28	-0.65	0.60	-0.91	-2.05e-04	0.0	-2.71e-05
1267	44	-1.00	0.56	-0.82	-1.72e-04	0.0	-2.55e-05
1267	68	-0.07	1.31	-0.79	-3.09e-04	0.0	-3.26e-05
1267	123	-7.22	2.93	-0.73	-4.77e-04	0.0	1.88e-05
1267	137	0.14	9.09	-0.59	-1.64e-03	0.0	-2.46e-05
1267	155	-8.11	3.28	-0.76	-5.26e-04	0.0	2.31e-05
1267	169	0.17	10.24	-0.61	-1.84e-03	0.0	-2.57e-05
1267	187	-8.00	3.39	-0.76	-5.43e-04	0.0	2.43e-05
1267	201	0.19	10.51	-0.61	-1.88e-03	0.0	-2.24e-05
1267	219	-9.31	4.01	-0.80	-6.33e-04	0.0	3.22e-05
1267	231	-5.64	11.50	-0.80	-2.02e-03	0.0	1.82e-04
1267	233	0.24	12.46	-0.63	-2.22e-03	0.0	-2.28e-05
1267	256	-0.44	0.42	-0.64	-1.42e-04	0.0	-1.90e-05
1267	264	-0.67	0.39	-0.58	-1.20e-04	0.0	-1.79e-05
1267	276	-0.05	0.89	-0.56	-2.11e-04	0.0	-2.27e-05
1267	298	-0.06	0.31	-0.52	-1.16e-04	0.0	-1.47e-05
1267	305	-0.18	0.30	-0.50	-1.08e-04	0.0	-1.45e-05
1267	307	-0.06	0.40	-0.50	-1.26e-04	0.0	-1.54e-05
1267	310	-0.06	0.29	-0.50	-1.09e-04	0.0	-1.41e-05
1268	28	-0.76	0.70	-0.92	-2.00e-04	0.0	-1.95e-05
1268	44	-1.12	0.64	-0.82	-1.63e-04	0.0	-1.69e-05
1268	68	-0.13	1.46	-0.80	-3.07e-04	0.0	-2.51e-05
1268	123	-7.87	3.20	-0.73	-4.66e-04	0.0	3.21e-05
1268	137	0.12	9.89	-0.60	-1.58e-03	0.0	-4.34e-06
1268	155	-8.84	3.58	-0.76	-5.13e-04	0.0	3.78e-05
1268	169	0.15	11.14	-0.61	-1.78e-03	0.0	-3.07e-06
1268	187	-8.72	3.69	-0.76	-5.29e-04	0.0	4.00e-05
1268	201	0.17	11.43	-0.61	-1.82e-03	0.0	2.46e-06
1268	219	-10.14	4.37	-0.80	-6.16e-04	0.0	5.08e-05
1268	231	-6.16	12.50	-0.80	-1.95e-03	0.0	2.40e-04
1268	233	0.23	13.54	-0.63	-2.15e-03	0.0	6.97e-06
1268	256	-0.51	0.49	-0.64	-1.39e-04	0.0	-1.38e-05
1268	264	-0.75	0.45	-0.58	-1.14e-04	0.0	-1.20e-05
1268	276	-0.09	0.99	-0.56	-2.10e-04	0.0	-1.75e-05
1268	298	-0.10	0.36	-0.52	-1.16e-04	0.0	-1.19e-05
1268	305	-0.23	0.35	-0.51	-1.07e-04	0.0	-1.12e-05
1268	307	-0.09	0.46	-0.50	-1.27e-04	0.0	-1.23e-05
1268	310	-0.10	0.34	-0.50	-1.10e-04	0.0	-1.14e-05
1269	28	-0.64	0.61	-1.13	-2.03e-04	0.0	8.31e-06
1269	44	-0.99	0.56	-1.01	-1.71e-04	0.0	1.70e-05
1269	68	-0.06	1.32	-0.98	-3.06e-04	0.0	-4.21e-06
1269	123	-7.22	2.91	-0.89	-4.66e-04	0.0	7.27e-05
1269	137	0.15	9.10	-0.69	-1.61e-03	0.0	4.24e-06
1269	155	-8.11	3.25	-0.92	-5.14e-04	0.0	8.21e-05
1269	169	0.17	10.26	-0.70	-1.81e-03	0.0	5.34e-06
1269	187	-7.99	3.35	-0.92	-5.31e-04	0.0	8.19e-05
1269	201	0.20	10.52	-0.71	-1.86e-03	0.0	9.92e-06
1269	219	-9.30	3.97	-0.97	-6.18e-04	0.0	9.75e-05
1269	233	0.25	12.47	-0.73	-2.19e-03	0.0	1.38e-05
1269	256	-0.43	0.42	-0.79	-1.40e-04	0.0	5.47e-06
1269	264	-0.66	0.39	-0.72	-1.19e-04	0.0	1.13e-05

1269	276	-0.04	0.89	-0.69	-2.09e-04	0.0	-2.87e-06
1269	298	-0.06	0.31	-0.64	-1.14e-04	0.0	-2.18e-06
1269	305	-0.17	0.30	-0.62	-1.07e-04	0.0	0.0
1269	307	-0.05	0.40	-0.61	-1.25e-04	0.0	-2.14e-06
1269	310	-0.05	0.29	-0.61	-1.08e-04	0.0	-2.10e-06
1270	28	-0.74	0.70	-1.13	-1.94e-04	0.0	9.84e-06
1270	44	-1.11	0.64	-1.02	-1.58e-04	0.0	1.73e-05
1270	68	-0.11	1.47	-0.98	-3.00e-04	0.0	-1.78e-06
1270	123	-7.87	3.17	-0.89	-4.51e-04	0.0	4.36e-05
1270	137	0.13	9.88	-0.69	-1.55e-03	0.0	0.0
1270	155	-8.84	3.54	-0.93	-4.97e-04	0.0	4.95e-05
1270	169	0.16	11.13	-0.70	-1.74e-03	0.0	0.0
1270	187	-8.72	3.65	-0.92	-5.13e-04	0.0	5.20e-05
1270	201	0.18	11.42	-0.71	-1.78e-03	0.0	3.09e-06
1270	219	-10.14	4.32	-0.98	-5.97e-04	0.0	6.35e-05
1270	233	0.24	13.53	-0.73	-2.10e-03	0.0	4.90e-06
1270	256	-0.50	0.49	-0.80	-1.34e-04	0.0	6.56e-06
1270	264	-0.74	0.44	-0.72	-1.10e-04	0.0	1.15e-05
1270	276	-0.08	1.00	-0.69	-2.05e-04	0.0	-1.19e-06
1270	298	-0.09	0.37	-0.64	-1.13e-04	0.0	0.0
1270	305	-0.22	0.36	-0.62	-1.04e-04	0.0	1.80e-06
1270	307	-0.09	0.47	-0.62	-1.23e-04	0.0	0.0
1270	310	-0.09	0.34	-0.61	-1.06e-04	0.0	0.0
1271	28	-0.63	0.59	-1.25	-2.02e-04	0.0	2.42e-05
1271	44	-0.98	0.54	-1.12	-1.72e-04	0.0	3.52e-05
1271	68	-0.05	1.32	-1.08	-3.05e-04	0.0	9.42e-06
1271	123	-7.21	2.86	-0.99	-4.58e-04	0.0	8.84e-05
1271	137	0.16	9.08	-0.73	-1.60e-03	0.0	-6.07e-06
1271	155	-8.10	3.21	-1.02	-5.05e-04	0.0	9.92e-05
1271	169	0.18	10.23	-0.74	-1.80e-03	0.0	-7.34e-06
1271	187	-7.99	3.31	-1.02	-5.21e-04	0.0	9.95e-05
1271	201	0.20	10.50	-0.74	-1.84e-03	0.0	-5.48e-06
1271	219	-9.29	3.92	-1.08	-6.07e-04	0.0	1.18e-04
1271	233	0.25	12.44	-0.76	-2.17e-03	0.0	-6.75e-06
1271	256	-0.42	0.41	-0.88	-1.40e-04	0.0	1.65e-05
1271	264	-0.65	0.37	-0.79	-1.20e-04	0.0	2.38e-05
1271	276	-0.04	0.89	-0.76	-2.09e-04	0.0	6.63e-06
1271	298	-0.05	0.31	-0.71	-1.14e-04	0.0	4.11e-06
1271	305	-0.17	0.30	-0.68	-1.07e-04	0.0	7.86e-06
1271	307	-0.05	0.40	-0.67	-1.24e-04	0.0	4.42e-06
1271	310	-0.05	0.29	-0.67	-1.07e-04	0.0	3.92e-06
1272	28	-0.73	0.69	-1.26	-1.94e-04	0.0	2.35e-05
1272	44	-1.09	0.62	-1.13	-1.60e-04	0.0	3.27e-05
1272	68	-0.10	1.47	-1.09	-2.99e-04	0.0	9.59e-06
1272	123	-7.87	3.12	-1.00	-4.41e-04	0.0	9.42e-05
1272	137	0.14	9.85	-0.74	-1.53e-03	0.0	-1.03e-05
1272	155	-8.84	3.49	-1.04	-4.86e-04	0.0	1.06e-04
1272	169	0.17	11.10	-0.75	-1.71e-03	0.0	-1.22e-05
1272	187	-8.71	3.60	-1.03	-5.01e-04	0.0	1.06e-04
1272	201	0.19	11.39	-0.75	-1.76e-03	0.0	-1.07e-05
1272	219	-10.13	4.26	-1.09	-5.83e-04	0.0	1.25e-04
1272	233	0.25	13.48	-0.77	-2.07e-03	0.0	-1.33e-05
1272	256	-0.49	0.48	-0.88	-1.34e-04	0.0	1.60e-05
1272	264	-0.73	0.43	-0.80	-1.12e-04	0.0	2.22e-05
1272	276	-0.07	0.99	-0.77	-2.04e-04	0.0	6.75e-06
1272	298	-0.09	0.36	-0.71	-1.11e-04	0.0	4.85e-06
1272	305	-0.21	0.35	-0.69	-1.03e-04	0.0	8.04e-06
1272	307	-0.08	0.46	-0.68	-1.22e-04	0.0	4.95e-06
1272	310	-0.08	0.34	-0.68	-1.05e-04	0.0	4.61e-06
1273	28	-0.62	0.58	-1.27	-2.02e-04	0.0	2.86e-05
1273	44	-0.97	0.52	-1.14	-1.72e-04	0.0	3.96e-05
1273	68	-0.04	1.31	-1.09	-3.05e-04	0.0	1.36e-05
1273	123	-7.20	2.82	-1.02	-4.51e-04	0.0	9.31e-05
1273	137	0.16	9.05	-0.72	-1.59e-03	0.0	1.45e-04
1273	155	-8.09	3.15	-1.07	-4.97e-04	0.0	1.04e-04
1273	169	0.19	10.20	-0.73	-1.79e-03	0.0	1.63e-04
1273	187	-7.98	3.25	-1.06	-5.13e-04	0.0	1.05e-04
1273	201	0.21	10.46	-0.73	-1.83e-03	0.0	1.60e-04
1273	219	-9.29	3.85	-1.13	-5.97e-04	0.0	1.23e-04
1273	233	0.26	12.39	-0.74	-2.16e-03	0.0	1.86e-04
1273	256	-0.42	0.40	-0.89	-1.40e-04	0.0	1.95e-05
1273	264	-0.65	0.36	-0.80	-1.20e-04	0.0	2.69e-05
1273	276	-0.03	0.89	-0.77	-2.08e-04	0.0	9.56e-06
1273	298	-0.05	0.30	-0.71	-1.13e-04	0.0	6.19e-06
1273	305	-0.16	0.29	-0.68	-1.06e-04	0.0	1.00e-05

1273	307	-0.04	0.40	-0.68	-1.24e-04	0.0	6.54e-06
1273	310	-0.04	0.29	-0.68	-1.06e-04	0.0	5.91e-06
1274	28	-0.71	0.68	-1.32	-1.96e-04	0.0	2.75e-05
1274	44	-1.08	0.60	-1.19	-1.64e-04	0.0	3.69e-05
1274	68	-0.09	1.46	-1.13	-3.00e-04	0.0	1.32e-05
1274	123	-7.86	3.07	-1.08	-4.33e-04	0.0	9.85e-05
1274	137	0.15	9.81	-0.75	-1.51e-03	0.0	1.59e-04
1274	155	-8.83	3.43	-1.12	-4.77e-04	0.0	1.10e-04
1274	169	0.17	11.06	-0.75	-1.70e-03	0.0	1.78e-04
1274	187	-8.71	3.54	-1.12	-4.92e-04	0.0	1.11e-04
1274	201	0.20	11.34	-0.76	-1.74e-03	0.0	1.75e-04
1274	219	-10.13	4.19	-1.19	-5.72e-04	0.0	1.31e-04
1274	233	0.25	13.43	-0.77	-2.05e-03	0.0	2.05e-04
1274	256	-0.48	0.47	-0.92	-1.35e-04	0.0	1.88e-05
1274	264	-0.72	0.42	-0.84	-1.15e-04	0.0	2.51e-05
1274	276	-0.06	0.99	-0.80	-2.05e-04	0.0	9.30e-06
1274	298	-0.08	0.36	-0.74	-1.11e-04	0.0	6.66e-06
1274	305	-0.20	0.35	-0.71	-1.04e-04	0.0	9.96e-06
1274	307	-0.07	0.46	-0.70	-1.22e-04	0.0	6.80e-06
1274	310	-0.07	0.34	-0.70	-1.04e-04	0.0	6.34e-06
1275	28	-0.61	0.56	-1.41	-2.01e-04	0.0	2.89e-05
1275	44	-0.96	0.49	-1.28	-1.72e-04	0.0	3.98e-05
1275	68	-0.04	1.30	-1.18	-3.04e-04	0.0	1.40e-05
1275	123	-7.20	2.77	-1.41	-4.45e-04	0.0	9.35e-05
1275	137	0.16	9.01	-0.76	-1.58e-03	0.0	1.48e-04
1275	155	-8.09	3.10	-1.49	-4.90e-04	0.0	1.05e-04
1275	169	0.19	10.16	-0.77	-1.78e-03	0.0	1.66e-04
1275	187	-7.98	3.20	-1.48	-5.06e-04	0.0	1.05e-04
1275	201	0.21	10.41	-0.77	-1.82e-03	0.0	1.63e-04
1275	219	-9.29	3.79	-1.61	-5.88e-04	0.0	1.24e-04
1275	233	0.26	12.33	-0.78	-2.15e-03	0.0	1.90e-04
1275	256	-0.41	0.39	-0.99	-1.39e-04	0.0	1.98e-05
1275	264	-0.64	0.34	-0.90	-1.20e-04	0.0	2.70e-05
1275	276	-0.03	0.88	-0.83	-2.08e-04	0.0	9.85e-06
1275	298	-0.04	0.30	-0.78	-1.12e-04	0.0	6.43e-06
1275	305	-0.16	0.29	-0.75	-1.06e-04	0.0	1.02e-05
1275	307	-0.04	0.39	-0.74	-1.23e-04	0.0	6.77e-06
1275	310	-0.04	0.28	-0.74	-1.06e-04	0.0	6.14e-06
1276	28	-0.69	0.66	-1.58	-1.97e-04	0.0	2.78e-05
1276	44	-1.06	0.58	-1.42	-1.68e-04	0.0	3.72e-05
1276	68	-0.07	1.45	-1.32	-3.00e-04	0.0	1.36e-05
1276	123	-7.84	3.02	-1.55	-4.26e-04	0.0	9.90e-05
1276	137	0.16	9.77	-0.86	-1.50e-03	0.0	1.62e-04
1276	155	-8.81	3.38	-1.64	-4.69e-04	0.0	1.11e-04
1276	169	0.19	11.01	-0.86	-1.69e-03	0.0	1.81e-04
1276	187	-8.68	3.48	-1.63	-4.83e-04	0.0	1.12e-04
1276	201	0.21	11.29	-0.86	-1.73e-03	0.0	1.78e-04
1276	219	-10.10	4.12	-1.76	-5.62e-04	0.0	1.32e-04
1276	233	0.27	13.37	-0.87	-2.04e-03	0.0	2.08e-04
1276	256	-0.46	0.46	-1.10	-1.37e-04	0.0	1.91e-05
1276	264	-0.71	0.40	-1.00	-1.17e-04	0.0	2.53e-05
1276	276	-0.05	0.98	-0.93	-2.05e-04	0.0	9.57e-06
1276	298	-0.06	0.36	-0.87	-1.10e-04	0.0	6.87e-06
1276	305	-0.19	0.34	-0.84	-1.04e-04	0.0	1.01e-05
1276	307	-0.06	0.46	-0.83	-1.22e-04	0.0	7.00e-06
1276	310	-0.06	0.33	-0.83	-1.04e-04	0.0	6.54e-06
1277	28	-0.90	0.80	-0.93	-1.97e-04	0.0	-4.25e-06
1277	44	-1.27	0.72	-0.83	-1.58e-04	0.0	-1.01e-06
1277	68	-0.21	1.62	-0.81	-3.06e-04	0.0	-1.14e-05
1277	123	-8.53	3.46	-0.74	-4.54e-04	0.0	5.14e-05
1277	137	0.08	10.66	-0.60	-1.54e-03	0.0	-7.38e-06
1277	155	-9.57	3.86	-0.76	-5.00e-04	0.0	5.89e-05
1277	169	0.11	12.00	-0.61	-1.73e-03	0.0	-7.62e-06
1277	187	-9.44	3.98	-0.76	-5.16e-04	0.0	6.20e-05
1277	201	0.14	12.32	-0.62	-1.77e-03	0.0	-4.51e-06
1277	219	-10.97	4.71	-0.81	-5.99e-04	0.0	7.62e-05
1277	231	-6.69	13.46	-0.81	-1.90e-03	0.0	3.12e-04
1277	233	0.20	14.59	-0.64	-2.09e-03	0.0	-3.58e-06
1277	256	-0.61	0.55	-0.65	-1.37e-04	0.0	-3.14e-06
1277	264	-0.85	0.50	-0.59	-1.10e-04	0.0	0.0
1277	276	-0.15	1.10	-0.57	-2.09e-04	0.0	-7.90e-06
1277	298	-0.16	0.42	-0.53	-1.17e-04	0.0	-4.85e-06
1277	305	-0.29	0.41	-0.51	-1.07e-04	0.0	-3.85e-06
1277	307	-0.15	0.53	-0.51	-1.27e-04	0.0	-5.24e-06
1277	310	-0.15	0.40	-0.51	-1.10e-04	0.0	-4.69e-06

1278	28	-1.09	0.90	-0.95	-3.03e-04	-4.03e-04	2.06e-05
1278	44	-1.46	0.80	-0.86	-2.86e-04	-3.60e-04	2.34e-05
1278	68	-0.35	1.77	-0.83	-3.17e-04	-3.36e-04	9.85e-06
1278	123	-9.17	3.04	-0.75	-3.87e-04	-3.54e-04	7.37e-05
1278	137	0.01	11.40	-0.61	-1.15e-03	-2.03e-04	1.83e-04
1278	155	-10.28	3.38	-0.78	-4.20e-04	-3.73e-04	8.26e-05
1278	169	0.04	12.84	-0.63	-1.28e-03	-2.03e-04	2.05e-04
1278	187	-10.14	3.51	-0.78	-4.31e-04	-3.70e-04	8.64e-05
1278	201	0.07	13.18	-0.63	-1.31e-03	-2.02e-04	2.02e-04
1278	219	-11.77	4.15	-0.82	-4.91e-04	-3.96e-04	1.03e-04
1278	231	-7.22	14.13	-0.82	-1.41e-03	-3.20e-04	3.77e-04
1278	233	0.13	15.60	-0.65	-1.53e-03	-2.00e-04	2.36e-04
1278	256	-0.74	0.62	-0.67	-2.10e-04	-2.80e-04	1.42e-05
1278	264	-0.99	0.55	-0.61	-1.98e-04	-2.51e-04	1.60e-05
1278	276	-0.24	1.20	-0.59	-2.19e-04	-2.36e-04	7.01e-06
1278	298	-0.25	0.48	-0.55	-1.53e-04	-2.20e-04	7.55e-06
1278	305	-0.38	0.46	-0.53	-1.51e-04	-2.12e-04	8.68e-06
1278	307	-0.23	0.59	-0.52	-1.55e-04	-2.09e-04	6.87e-06
1278	310	-0.24	0.45	-0.52	-1.45e-04	-2.09e-04	7.13e-06
1279	28	-0.88	0.80	-1.14	-1.87e-04	0.0	1.38e-05
1279	44	-1.25	0.71	-1.03	-1.49e-04	0.0	1.94e-05
1279	68	-0.19	1.62	-0.99	-2.96e-04	0.0	2.82e-06
1279	123	-8.53	3.41	-0.90	-4.38e-04	0.0	5.89e-05
1279	137	0.09	10.63	-0.70	-1.50e-03	0.0	-1.09e-05
1279	155	-9.57	3.81	-0.93	-4.83e-04	0.0	6.65e-05
1279	169	0.12	11.97	-0.71	-1.68e-03	0.0	-1.26e-05
1279	187	-9.44	3.93	-0.93	-4.98e-04	0.0	6.96e-05
1279	201	0.15	12.28	-0.71	-1.72e-03	0.0	-1.08e-05
1279	219	-10.97	4.65	-0.98	-5.79e-04	0.0	8.41e-05
1279	233	0.21	14.54	-0.73	-2.03e-03	0.0	-1.28e-05
1279	256	-0.59	0.55	-0.80	-1.30e-04	0.0	9.33e-06
1279	264	-0.84	0.49	-0.72	-1.04e-04	0.0	1.31e-05
1279	276	-0.14	1.10	-0.70	-2.02e-04	0.0	2.04e-06
1279	298	-0.15	0.42	-0.65	-1.11e-04	0.0	2.37e-06
1279	305	-0.28	0.41	-0.63	-1.02e-04	0.0	4.32e-06
1279	307	-0.14	0.53	-0.62	-1.21e-04	0.0	2.11e-06
1279	310	-0.14	0.40	-0.62	-1.05e-04	0.0	2.21e-06
1280	28	-1.09	0.89	-1.17	-3.06e-04	-4.72e-04	2.03e-05
1280	44	-1.46	0.78	-1.05	-2.94e-04	-4.19e-04	2.33e-05
1280	68	-0.34	1.76	-1.01	-3.12e-04	-3.92e-04	9.66e-06
1280	123	-9.17	2.99	-0.91	-3.85e-04	-4.17e-04	7.46e-05
1280	137	0.01	11.35	-0.71	-1.15e-03	-1.93e-04	1.87e-04
1280	155	-10.28	3.33	-0.94	-4.17e-04	-4.39e-04	8.37e-05
1280	169	0.04	12.78	-0.72	-1.29e-03	-1.87e-04	2.10e-04
1280	187	-10.14	3.46	-0.94	-4.28e-04	-4.36e-04	8.75e-05
1280	201	0.07	13.12	-0.72	-1.32e-03	-1.89e-04	2.07e-04
1280	219	-11.77	4.09	-0.99	-4.87e-04	-4.68e-04	1.05e-04
1280	233	0.13	15.52	-0.74	-1.54e-03	-1.81e-04	2.42e-04
1280	256	-0.74	0.61	-0.82	-2.12e-04	-3.27e-04	1.39e-05
1280	264	-0.98	0.54	-0.74	-2.04e-04	-2.92e-04	1.60e-05
1280	276	-0.24	1.20	-0.71	-2.15e-04	-2.74e-04	6.87e-06
1280	298	-0.25	0.48	-0.66	-1.50e-04	-2.57e-04	7.19e-06
1280	305	-0.38	0.46	-0.64	-1.50e-04	-2.46e-04	8.40e-06
1280	307	-0.23	0.59	-0.63	-1.53e-04	-2.43e-04	6.58e-06
1280	310	-0.24	0.45	-0.63	-1.43e-04	-2.43e-04	6.80e-06
1281	28	-0.85	0.79	-1.29	-1.87e-04	0.0	2.21e-05
1281	44	-1.23	0.70	-1.16	-1.52e-04	0.0	2.87e-05
1281	68	-0.17	1.61	-1.11	-2.94e-04	0.0	9.63e-06
1281	123	-8.54	3.36	-1.02	-4.28e-04	0.0	6.39e-05
1281	137	0.11	10.59	-0.75	-1.47e-03	0.0	1.69e-04
1281	155	-9.58	3.76	-1.06	-4.71e-04	0.0	7.18e-05
1281	169	0.14	11.93	-0.76	-1.65e-03	0.0	1.89e-04
1281	187	-9.45	3.88	-1.05	-4.85e-04	0.0	7.51e-05
1281	201	0.17	12.23	-0.76	-1.69e-03	0.0	1.86e-04
1281	219	-10.99	4.58	-1.11	-5.64e-04	0.0	9.00e-05
1281	233	0.23	14.48	-0.78	-2.00e-03	0.0	2.17e-04
1281	256	-0.57	0.54	-0.90	-1.30e-04	0.0	1.51e-05
1281	264	-0.82	0.48	-0.82	-1.06e-04	0.0	1.95e-05
1281	276	-0.12	1.09	-0.78	-2.01e-04	0.0	6.80e-06
1281	298	-0.13	0.42	-0.73	-1.09e-04	0.0	5.78e-06
1281	305	-0.26	0.40	-0.70	-1.01e-04	0.0	8.13e-06
1281	307	-0.12	0.52	-0.69	-1.20e-04	0.0	5.59e-06
1281	310	-0.12	0.39	-0.69	-1.03e-04	0.0	5.47e-06
1282	28	-1.09	0.88	-1.34	-2.99e-04	-6.15e-04	1.99e-05
1282	44	-1.46	0.77	-1.21	-2.84e-04	-5.40e-04	2.32e-05

1282	68	-0.34	1.76	-1.16	-3.08e-04	-5.07e-04	9.55e-06
1282	123	-9.17	2.95	-1.05	-3.84e-04	-5.67e-04	7.55e-05
1282	137	0.01	11.29	-0.78	-1.17e-03	-2.41e-04	1.91e-04
1282	155	-10.28	3.28	-1.09	-4.17e-04	-5.98e-04	8.48e-05
1282	169	0.04	12.72	-0.79	-1.30e-03	-2.33e-04	2.14e-04
1282	187	-10.14	3.40	-1.09	-4.28e-04	-5.93e-04	8.87e-05
1282	201	0.07	13.05	-0.80	-1.33e-03	-2.37e-04	2.12e-04
1282	219	-11.77	4.02	-1.15	-4.87e-04	-6.39e-04	1.06e-04
1282	233	0.13	15.44	-0.81	-1.56e-03	-2.25e-04	2.48e-04
1282	256	-0.74	0.60	-0.94	-2.07e-04	-4.26e-04	1.37e-05
1282	264	-0.98	0.53	-0.85	-1.97e-04	-3.75e-04	1.59e-05
1282	276	-0.24	1.19	-0.82	-2.13e-04	-3.53e-04	6.78e-06
1282	298	-0.25	0.47	-0.76	-1.49e-04	-3.35e-04	6.89e-06
1282	305	-0.38	0.45	-0.73	-1.48e-04	-3.20e-04	8.16e-06
1282	307	-0.23	0.58	-0.72	-1.51e-04	-3.15e-04	6.34e-06
1282	310	-0.23	0.44	-0.72	-1.41e-04	-3.15e-04	6.51e-06
1283	28	-0.79	0.77	-1.40	-1.91e-04	0.0	2.45e-05
1283	44	-1.18	0.68	-1.26	-1.59e-04	0.0	3.14e-05
1283	68	-0.12	1.61	-1.20	-2.96e-04	0.0	1.18e-05
1283	123	-8.55	3.31	-1.14	-4.19e-04	0.0	6.65e-05
1283	137	0.14	10.54	-0.79	-1.46e-03	0.0	1.76e-04
1283	155	-9.60	3.70	-1.19	-4.62e-04	0.0	7.45e-05
1283	169	0.17	11.87	-0.79	-1.64e-03	0.0	1.97e-04
1283	187	-9.47	3.81	-1.19	-4.76e-04	0.0	7.79e-05
1283	201	0.20	12.18	-0.80	-1.68e-03	0.0	1.95e-04
1283	219	-11.01	4.51	-1.26	-5.53e-04	0.0	9.33e-05
1283	233	0.26	14.41	-0.81	-1.97e-03	0.0	2.27e-04
1283	256	-0.53	0.53	-0.98	-1.32e-04	0.0	1.68e-05
1283	264	-0.79	0.47	-0.88	-1.11e-04	0.0	2.14e-05
1283	276	-0.09	1.09	-0.84	-2.02e-04	0.0	8.33e-06
1283	298	-0.10	0.41	-0.78	-1.09e-04	0.0	6.85e-06
1283	305	-0.23	0.40	-0.75	-1.02e-04	0.0	9.30e-06
1283	307	-0.09	0.52	-0.74	-1.20e-04	0.0	6.69e-06
1283	310	-0.09	0.39	-0.74	-1.03e-04	0.0	6.50e-06
1284	28	-1.09	0.86	-1.54	-2.87e-04	-9.12e-04	1.98e-05
1284	44	-1.46	0.76	-1.39	-2.67e-04	-7.89e-04	2.31e-05
1284	68	-0.34	1.75	-1.32	-3.05e-04	-7.43e-04	9.35e-06
1284	123	-9.17	3.54	-1.24	-3.84e-04	-8.66e-04	7.58e-05
1284	137	0.01	11.24	-0.86	-1.18e-03	-4.61e-04	1.93e-04
1284	155	-10.29	3.96	-1.29	-4.16e-04	-9.16e-04	8.51e-05
1284	169	0.04	12.66	-0.87	-1.31e-03	-4.60e-04	2.17e-04
1284	187	-10.14	4.08	-1.29	-4.27e-04	-9.09e-04	8.90e-05
1284	201	0.07	12.98	-0.87	-1.34e-03	-4.58e-04	2.14e-04
1284	219	-11.78	4.82	-1.37	-4.87e-04	-9.81e-04	1.07e-04
1284	233	0.13	15.36	-0.88	-1.57e-03	-4.56e-04	2.51e-04
1284	256	-0.74	0.60	-1.08	-1.99e-04	-6.29e-04	1.36e-05
1284	264	-0.98	0.52	-0.98	-1.86e-04	-5.47e-04	1.58e-05
1284	276	-0.24	1.19	-0.93	-2.11e-04	-5.17e-04	6.64e-06
1284	298	-0.25	0.47	-0.86	-1.48e-04	-5.00e-04	6.73e-06
1284	305	-0.38	0.45	-0.83	-1.45e-04	-4.75e-04	8.03e-06
1284	307	-0.23	0.58	-0.82	-1.50e-04	-4.68e-04	6.19e-06
1284	310	-0.23	0.44	-0.82	-1.40e-04	-4.68e-04	6.36e-06
1285	28	-0.65	0.76	-1.82	-1.95e-04	0.0	2.48e-05
1285	42	-1.07	0.40	-1.09	-9.76e-05	0.0	2.79e-05
1285	68	4.86e-03	1.60	-1.53	-2.98e-04	0.0	1.21e-05
1285	123	-8.53	3.26	-1.70	-4.12e-04	0.0	6.71e-05
1285	137	0.22	10.49	-0.99	-1.45e-03	0.0	1.78e-04
1285	155	-9.59	3.64	-1.80	-4.53e-04	0.0	7.52e-05
1285	169	0.25	11.82	-0.99	-1.62e-03	0.0	1.99e-04
1285	187	-9.45	3.75	-1.79	-4.67e-04	0.0	7.86e-05
1285	201	0.28	12.12	-0.99	-1.66e-03	0.0	1.97e-04
1285	219	-11.01	4.44	-1.93	-5.42e-04	0.0	9.41e-05
1285	233	0.34	14.34	-1.00	-1.96e-03	0.0	2.30e-04
1285	256	-0.43	0.52	-1.27	-1.35e-04	0.0	1.70e-05
1285	262	-0.71	0.29	-0.78	-7.00e-05	0.0	1.90e-05
1285	276	1.39e-03	1.08	-1.07	-2.04e-04	0.0	8.54e-06
1285	298	-0.01	0.41	-1.00	-1.09e-04	0.0	7.01e-06
1285	304	-0.16	0.24	-0.66	-6.40e-05	0.0	7.30e-06
1285	307	-0.01	0.52	-0.95	-1.20e-04	0.0	6.85e-06
1285	309	-0.02	0.24	-0.64	-6.41e-05	0.0	4.51e-06
1285	310	-0.01	0.39	-0.95	-1.03e-04	0.0	6.65e-06
1286	28	-1.08	0.85	-2.20	-2.75e-04	-1.33e-03	1.96e-05
1286	44	-1.45	0.74	-1.96	-2.49e-04	-1.14e-03	2.27e-05
1286	68	-0.34	1.75	-1.85	-3.02e-04	-1.08e-03	9.54e-06
1286	123	-9.17	3.49	-1.93	-3.83e-04	-1.24e-03	7.72e-05

1286	137	0.01	11.19	-1.19	-1.19e-03	-6.83e-04	1.96e-04
1286	155	-10.29	3.89	-2.02	-4.16e-04	-1.31e-03	8.67e-05
1286	169	0.04	12.60	-1.20	-1.33e-03	-6.83e-04	2.20e-04
1286	187	-10.14	4.01	-2.01	-4.27e-04	-1.30e-03	9.07e-05
1286	201	0.07	12.92	-1.20	-1.36e-03	-6.82e-04	2.18e-04
1286	219	-11.78	4.74	-2.15	-4.87e-04	-1.41e-03	1.09e-04
1286	233	0.13	15.28	-1.21	-1.59e-03	-6.80e-04	2.55e-04
1286	256	-0.74	0.59	-1.53	-1.91e-04	-9.16e-04	1.35e-05
1286	264	-0.98	0.52	-1.37	-1.74e-04	-7.87e-04	1.55e-05
1286	276	-0.24	1.19	-1.30	-2.09e-04	-7.48e-04	6.75e-06
1286	298	-0.25	0.46	-1.22	-1.46e-04	-7.35e-04	6.81e-06
1286	305	-0.38	0.44	-1.17	-1.41e-04	-6.94e-04	8.04e-06
1286	307	-0.23	0.58	-1.16	-1.48e-04	-6.87e-04	6.28e-06
1286	310	-0.23	0.44	-1.15	-1.39e-04	-6.86e-04	6.42e-06
1287	45	-0.71	0.12	-0.17	0.0	-1.89e-04	-7.41e-05
1287	68	0.02	0.80	-0.28	0.0	-8.93e-05	-7.21e-05
1287	76	0.01	0.02	-0.40	0.0	-9.10e-05	-3.24e-05
1287	122	5.31	-1.78	-0.28	0.0	1.23e-03	3.11e-05
1287	137	0.15	6.34	0.35	0.0	-6.48e-05	-1.10e-04
1287	140	-0.14	-6.12	-0.79	0.0	-3.76e-05	6.11e-05
1287	154	5.97	-2.04	-0.29	0.0	1.39e-03	3.76e-05
1287	169	0.17	7.16	0.43	0.0	-6.71e-05	-1.21e-04
1287	172	-0.16	-6.94	-0.87	0.0	-3.53e-05	7.23e-05
1287	186	5.88	-2.11	-0.30	0.0	1.37e-03	3.38e-05
1287	201	0.18	7.35	0.45	0.0	-6.76e-05	-1.22e-04
1287	204	-0.17	-7.13	-0.89	0.0	-3.48e-05	7.30e-05
1287	218	6.85	-2.56	-0.31	0.0	1.61e-03	4.31e-05
1287	233	0.22	8.72	0.57	0.0	-7.14e-05	-1.40e-04
1287	236	-0.20	-8.50	-1.01	0.0	-3.10e-05	9.15e-05
1287	261	-0.47	0.11	-0.18	0.0	-1.39e-04	-5.62e-05
1287	276	0.01	0.54	-0.20	0.0	-6.26e-05	-4.99e-05
1287	280	9.98e-03	0.02	-0.28	0.0	-6.37e-05	-2.33e-05
1287	298	7.27e-03	0.12	-0.23	0.0	-5.39e-05	-2.54e-05
1287	304	-0.09	0.07	-0.17	0.0	-5.56e-05	-2.59e-05
1287	307	7.54e-03	0.19	-0.21	0.0	-5.23e-05	-2.89e-05
1287	310	7.05e-03	0.11	-0.22	0.0	-5.12e-05	-2.44e-05
1288	43	-0.83	0.33	-0.37	0.0	-2.22e-04	-1.11e-04
1288	68	-0.02	0.96	-0.32	0.0	-8.40e-05	-8.51e-05
1288	76	-0.03	0.11	-0.44	0.0	-9.76e-05	-4.20e-05
1288	123	-5.95	2.33	-0.19	0.0	-1.27e-03	-1.14e-04
1288	137	0.13	7.26	0.33	0.0	-3.00e-05	-1.57e-04
1288	140	-0.17	-6.93	-0.82	0.0	-7.60e-05	9.59e-05
1288	155	-6.69	2.62	-0.19	0.0	-1.42e-03	-1.24e-04
1288	169	0.15	8.19	0.41	0.0	-2.73e-05	-1.73e-04
1288	172	-0.19	-7.86	-0.89	0.0	-7.86e-05	1.12e-04
1288	187	-6.59	2.70	-0.18	0.0	-1.40e-03	-1.20e-04
1288	201	0.16	8.41	0.43	0.0	-2.51e-05	-1.76e-04
1288	204	-0.20	-8.08	-0.91	0.0	-8.09e-05	1.15e-04
1288	219	-7.68	3.21	-0.16	0.0	-1.62e-03	-1.35e-04
1288	233	0.20	9.98	0.55	0.0	-1.96e-05	-2.03e-04
1288	236	-0.24	-9.64	-1.04	0.0	-8.63e-05	1.42e-04
1288	263	-0.55	0.23	-0.26	0.0	-1.51e-04	-7.62e-05
1288	276	-0.02	0.65	-0.23	0.0	-5.90e-05	-5.90e-05
1288	280	-0.02	0.08	-0.31	0.0	-6.81e-05	-3.02e-05
1288	298	-0.02	0.18	-0.25	0.0	-5.59e-05	-3.18e-05
1288	305	-0.12	0.18	-0.24	0.0	-7.20e-05	-3.94e-05
1288	307	-0.02	0.26	-0.23	0.0	-5.29e-05	-3.55e-05
1288	310	-0.02	0.17	-0.24	0.0	-5.30e-05	-3.05e-05
1289	44	-0.94	0.44	-0.42	0.0	-2.28e-04	-1.12e-04
1289	68	-0.07	1.13	-0.34	0.0	-9.44e-05	-8.37e-05
1289	76	-0.09	0.19	-0.46	0.0	-1.17e-04	-4.55e-05
1289	123	-6.62	2.65	-0.22	0.0	-1.27e-03	-1.15e-04
1289	137	0.13	8.18	0.31	0.0	-1.92e-05	-1.42e-04
1289	140	-0.22	-7.73	-0.82	0.0	-1.06e-04	7.81e-05
1289	155	-7.44	2.97	-0.21	0.0	-1.41e-03	-1.25e-04
1289	169	0.15	9.22	0.39	0.0	-1.37e-05	-1.56e-04
1289	172	-0.24	-8.78	-0.90	0.0	-1.11e-04	9.26e-05
1289	187	-7.33	3.06	-0.20	0.0	-1.40e-03	-1.21e-04
1289	201	0.16	9.47	0.41	0.0	-9.46e-06	-1.58e-04
1289	204	-0.26	-9.02	-0.92	0.0	-1.15e-04	9.42e-05
1289	219	-8.53	3.63	-0.19	0.0	-1.61e-03	-1.36e-04
1289	233	0.20	11.23	0.53	0.0	1.35e-06	-1.82e-04
1289	236	-0.30	-10.78	-1.04	0.0	-1.26e-04	1.18e-04
1289	264	-0.63	0.30	-0.30	0.0	-1.55e-04	-7.72e-05
1289	276	-0.05	0.76	-0.24	0.0	-6.63e-05	-5.81e-05

1289	280	-0.06	0.14	-0.33	0.0	-8.17e-05	-3.27e-05
1289	298	-0.05	0.24	-0.27	0.0	-6.61e-05	-3.32e-05
1289	305	-0.16	0.23	-0.26	0.0	-7.96e-05	-4.02e-05
1289	307	-0.05	0.32	-0.25	0.0	-6.18e-05	-3.64e-05
1289	310	-0.05	0.22	-0.26	0.0	-6.25e-05	-3.19e-05
1290	44	-1.05	0.53	-0.43	0.0	-2.38e-04	-9.80e-05
1290	68	-0.11	1.28	-0.35	0.0	-1.13e-04	-7.65e-05
1290	76	-0.15	0.27	-0.48	0.0	-1.43e-04	-4.69e-05
1290	123	-7.25	2.93	-0.23	0.0	-1.27e-03	-1.15e-04
1290	137	0.13	9.03	0.29	0.0	-2.34e-05	-1.01e-04
1290	140	-0.29	-8.48	-0.82	0.0	-1.28e-04	3.77e-05
1290	155	-8.14	3.29	-0.23	0.0	-1.42e-03	-1.25e-04
1290	169	0.15	10.18	0.37	0.0	-1.67e-05	-1.10e-04
1290	172	-0.31	-9.63	-0.90	0.0	-1.34e-04	4.67e-05
1290	187	-8.03	3.39	-0.22	0.0	-1.40e-03	-1.22e-04
1290	201	0.17	10.45	0.38	0.0	-1.15e-05	-1.09e-04
1290	204	-0.33	-9.90	-0.91	0.0	-1.40e-04	4.67e-05
1290	219	-9.34	4.02	-0.21	0.0	-1.62e-03	-1.36e-04
1290	233	0.22	12.38	0.51	0.0	1.74e-06	-1.24e-04
1290	236	-0.38	-11.83	-1.04	0.0	-1.53e-04	6.13e-05
1290	264	-0.71	0.37	-0.31	0.0	-1.63e-04	-6.75e-05
1290	276	-0.08	0.87	-0.25	0.0	-7.92e-05	-5.32e-05
1290	280	-0.10	0.19	-0.34	0.0	-9.95e-05	-3.35e-05
1290	298	-0.08	0.29	-0.28	0.0	-8.01e-05	-3.28e-05
1290	305	-0.20	0.29	-0.27	0.0	-9.12e-05	-3.79e-05
1290	307	-0.08	0.39	-0.26	0.0	-7.45e-05	-3.51e-05
1290	310	-0.08	0.27	-0.26	0.0	-7.56e-05	-3.14e-05
1291	44	-1.17	0.62	-0.44	0.0	-2.56e-04	-7.73e-05
1291	68	-0.17	1.44	-0.37	0.0	-1.37e-04	-6.66e-05
1291	76	-0.23	0.36	-0.49	0.0	-1.74e-04	-4.77e-05
1291	123	-7.89	3.22	-0.25	0.0	-1.27e-03	-8.48e-06
1291	137	0.12	9.86	0.27	0.0	2.48e-04	-4.99e-05
1291	140	-0.36	-9.20	-0.81	0.0	-4.31e-04	-1.04e-05
1291	155	-8.85	3.60	-0.25	0.0	-1.42e-03	-5.69e-06
1291	169	0.15	11.11	0.34	0.0	2.89e-04	-5.22e-05
1291	172	-0.39	-10.45	-0.88	0.0	-4.72e-04	-7.99e-06
1291	187	-8.73	3.71	-0.24	0.0	-1.40e-03	-5.00e-06
1291	201	0.17	11.41	0.36	0.0	2.72e-04	-4.90e-05
1291	204	-0.41	-10.74	-0.90	0.0	-4.55e-04	-1.12e-05
1291	219	-10.15	4.39	-0.23	0.0	-1.61e-03	0.0
1291	233	0.23	13.51	0.48	0.0	3.28e-04	-5.17e-05
1291	236	-0.47	-12.85	-1.02	0.0	-5.11e-04	-8.57e-06
1291	264	-0.79	0.43	-0.32	0.0	-1.75e-04	-5.34e-05
1291	276	-0.12	0.98	-0.26	0.0	-9.58e-05	-4.63e-05
1291	280	-0.16	0.25	-0.35	0.0	-1.21e-04	-3.37e-05
1291	298	-0.13	0.35	-0.28	0.0	-9.70e-05	-3.16e-05
1291	305	-0.25	0.34	-0.28	0.0	-1.06e-04	-3.42e-05
1291	307	-0.12	0.45	-0.26	0.0	-9.02e-05	-3.27e-05
1291	310	-0.12	0.33	-0.27	0.0	-9.14e-05	-3.01e-05
1292	44	-1.31	0.71	-0.46	0.0	-2.74e-04	-4.29e-05
1292	68	-0.25	1.61	-0.38	0.0	-1.59e-04	-4.21e-05
1292	76	-0.32	0.45	-0.50	0.0	-2.01e-04	-3.28e-05
1292	123	-8.52	2.83	-0.27	0.0	-1.27e-03	1.64e-05
1292	137	0.11	10.67	0.23	0.0	2.30e-04	-8.75e-06
1292	140	-0.45	-9.89	-0.80	0.0	-4.41e-04	-3.15e-05
1292	155	-9.56	3.16	-0.27	0.0	-1.42e-03	2.13e-05
1292	169	0.14	12.02	0.30	0.0	2.70e-04	-6.97e-06
1292	172	-0.49	-11.24	-0.86	0.0	-4.82e-04	-3.33e-05
1292	187	-9.43	3.28	-0.26	0.0	-1.40e-03	2.35e-05
1292	201	0.17	12.34	0.32	0.0	2.53e-04	-1.81e-06
1292	204	-0.51	-11.56	-0.88	0.0	-4.64e-04	-3.84e-05
1292	219	-10.95	3.89	-0.25	0.0	-1.61e-03	3.33e-05
1292	233	0.23	14.62	0.43	0.0	3.08e-04	3.23e-06
1292	236	-0.58	-13.83	-0.99	0.0	-5.20e-04	-4.35e-05
1292	264	-0.88	0.49	-0.33	0.0	-1.88e-04	-2.98e-05
1292	276	-0.18	1.09	-0.28	0.0	-1.11e-04	-2.93e-05
1292	280	-0.22	0.32	-0.36	0.0	-1.40e-04	-2.30e-05
1292	298	-0.18	0.42	-0.29	0.0	-1.12e-04	-2.12e-05
1292	305	-0.31	0.40	-0.28	0.0	-1.20e-04	-2.17e-05
1292	307	-0.17	0.52	-0.27	0.0	-1.04e-04	-2.16e-05
1292	310	-0.17	0.39	-0.28	0.0	-1.06e-04	-2.01e-05
1293	44	-1.45	0.81	-0.49	0.0	-5.09e-04	4.23e-05
1293	68	-0.34	1.78	-0.42	0.0	-2.91e-04	4.21e-05
1293	76	-0.44	0.56	-0.54	0.0	-3.36e-04	5.23e-05
1293	123	-9.16	3.08	-0.30	0.0	-8.69e-04	2.86e-05

1293	137	0.09	11.46	0.18	0.0	-2.22e-04	2.20e-04
1293	140	-0.55	-10.54	-0.78	0.0	-1.39e-04	-1.65e-04
1293	155	-10.27	3.43	-0.30	0.0	-9.54e-04	2.93e-05
1293	169	0.13	12.90	0.25	0.0	-2.28e-04	2.44e-04
1293	172	-0.59	-11.99	-0.85	0.0	-1.34e-04	-1.89e-04
1293	187	-10.13	3.56	-0.29	0.0	-9.44e-04	3.31e-05
1293	201	0.16	13.24	0.26	0.0	-2.30e-04	2.42e-04
1293	204	-0.62	-12.33	-0.86	0.0	-1.31e-04	-1.87e-04
1293	219	-11.76	4.21	-0.28	0.0	-1.07e-03	3.74e-05
1293	233	0.23	15.68	0.37	0.0	-2.40e-04	2.80e-04
1293	236	-0.70	-14.76	-0.97	0.0	-1.21e-04	-2.25e-04
1293	264	-0.98	0.56	-0.35	0.0	-3.49e-04	2.93e-05
1293	276	-0.24	1.21	-0.30	0.0	-2.03e-04	2.92e-05
1293	280	-0.30	0.39	-0.38	0.0	-2.33e-04	3.60e-05
1293	298	-0.25	0.48	-0.31	0.0	-1.92e-04	2.95e-05
1293	305	-0.38	0.47	-0.30	0.0	-2.10e-04	2.73e-05
1293	307	-0.23	0.59	-0.29	0.0	-1.81e-04	2.73e-05
1293	310	-0.23	0.46	-0.30	0.0	-1.81e-04	2.74e-05
1294	28	-0.48	0.23	-0.56	-2.00e-04	-1.78e-04	3.82e-05
1294	43	-0.75	0.20	-0.47	-1.55e-04	-2.08e-04	3.01e-05
1294	68	-0.04	0.80	-0.47	-3.14e-04	-8.56e-05	2.84e-05
1294	123	-5.46	2.00	-0.41	-4.99e-04	-1.07e-03	7.39e-05
1294	128	-4.97	-1.43	-0.47	3.84e-04	-9.82e-04	4.80e-05
1294	137	0.53	6.35	-0.16	-1.72e-03	4.88e-05	2.45e-05
1294	155	-6.14	2.25	-0.42	-5.51e-04	-1.20e-03	8.06e-05
1294	160	-5.58	-1.63	-0.49	4.48e-04	-1.10e-03	5.12e-05
1294	169	0.60	7.17	-0.15	-1.93e-03	6.20e-05	2.52e-05
1294	187	-6.04	2.32	-0.42	-5.69e-04	-1.18e-03	8.03e-05
1294	192	-5.50	-1.68	-0.49	4.63e-04	-1.08e-03	4.91e-05
1294	201	0.61	7.36	-0.14	-1.98e-03	6.28e-05	2.88e-05
1294	219	-7.01	2.77	-0.44	-6.65e-04	-1.36e-03	9.13e-05
1294	224	-6.39	-2.03	-0.52	5.72e-04	-1.25e-03	5.32e-05
1294	233	0.72	8.74	-0.11	-2.33e-03	8.40e-05	3.15e-05
1294	256	-0.32	0.16	-0.39	-1.39e-04	-1.22e-04	2.67e-05
1294	263	-0.50	0.14	-0.33	-1.09e-04	-1.41e-04	2.13e-05
1294	276	-0.03	0.54	-0.33	-2.15e-04	-5.98e-05	2.02e-05
1294	298	-0.04	0.12	-0.32	-1.15e-04	-6.10e-05	2.19e-05
1294	305	-0.13	0.11	-0.30	-1.07e-04	-7.34e-05	2.07e-05
1294	307	-0.03	0.19	-0.30	-1.27e-04	-5.68e-05	2.01e-05
1294	310	-0.03	0.11	-0.30	-1.09e-04	-5.73e-05	2.08e-05
1295	43	-0.76	0.29	-0.20	-1.75e-04	0.0	-5.23e-05
1295	52	-0.06	0.60	-0.30	-2.55e-04	0.0	-6.38e-05
1295	68	-0.04	0.80	-0.28	-2.75e-04	0.0	-6.86e-05
1295	123	-5.47	2.14	-0.04	-4.51e-04	0.0	-6.93e-05
1295	129	0.03	6.44	-0.40	-1.51e-03	0.0	-1.92e-04
1295	141	0.92	5.78	-0.42	-1.40e-03	0.0	-3.20e-04
1295	155	-6.14	2.41	-0.02	-4.99e-04	0.0	-7.53e-05
1295	161	0.04	7.27	-0.43	-1.70e-03	0.0	-2.14e-04
1295	173	1.05	6.52	-0.45	-1.57e-03	0.0	-3.59e-04
1295	187	-6.04	2.48	-0.03	-5.16e-04	0.0	-7.77e-05
1295	193	0.03	7.55	-0.44	-1.76e-03	0.0	-2.22e-04
1295	205	1.05	6.70	-0.46	-1.61e-03	0.0	-3.67e-04
1295	219	-7.02	2.96	-0.01	-6.02e-04	0.0	-8.91e-05
1295	225	0.03	9.07	-0.49	-2.10e-03	0.0	-2.64e-04
1295	237	1.23	7.95	-0.51	-1.90e-03	0.0	-4.32e-04
1295	263	-0.51	0.20	-0.14	-1.22e-04	0.0	-3.62e-05
1295	268	-0.04	0.41	-0.21	-1.75e-04	0.0	-4.38e-05
1295	276	-0.03	0.54	-0.20	-1.88e-04	0.0	-4.70e-05
1295	298	-0.04	0.14	-0.17	-1.03e-04	0.0	-2.62e-05
1295	305	-0.13	0.14	-0.15	-1.01e-04	0.0	-2.68e-05
1295	307	-0.03	0.21	-0.16	-1.13e-04	0.0	-2.85e-05
1295	310	-0.04	0.13	-0.16	-9.75e-05	0.0	-2.48e-05
1296	28	-0.55	0.35	-0.60	-2.20e-04	-1.45e-04	6.34e-05
1296	43	-0.85	0.30	-0.51	-1.75e-04	-1.88e-04	5.20e-05
1296	68	-0.05	0.98	-0.50	-3.27e-04	-4.85e-05	4.65e-05
1296	123	-6.15	1.85	-0.44	-5.03e-04	-1.25e-03	1.20e-04
1296	128	-5.60	-2.04	-0.49	3.78e-04	-1.22e-03	9.70e-05
1296	137	0.60	7.27	-0.19	-1.72e-03	3.45e-04	2.59e-05
1296	155	-6.91	2.08	-0.45	-5.55e-04	-1.40e-03	1.31e-04
1296	160	-6.29	-2.33	-0.51	4.43e-04	-1.37e-03	1.05e-04
1296	169	0.67	8.20	-0.17	-1.93e-03	3.92e-04	2.52e-05
1296	187	-6.80	2.16	-0.45	-5.73e-04	-1.38e-03	1.30e-04
1296	192	-6.20	-2.39	-0.51	4.57e-04	-1.34e-03	1.02e-04
1296	201	0.68	8.42	-0.17	-1.98e-03	3.79e-04	2.93e-05
1296	219	-7.90	2.58	-0.47	-6.68e-04	-1.60e-03	1.47e-04

1296	224	-7.20	-2.88	-0.55	5.66e-04	-1.56e-03	1.13e-04
1296	233	0.81	9.99	-0.14	-2.34e-03	4.46e-04	3.01e-05
1296	256	-0.37	0.24	-0.42	-1.53e-04	-9.83e-05	4.42e-05
1296	263	-0.57	0.20	-0.36	-1.23e-04	-1.27e-04	3.66e-05
1296	276	-0.04	0.66	-0.36	-2.24e-04	-3.41e-05	3.30e-05
1296	298	-0.05	0.18	-0.34	-1.24e-04	-3.71e-05	3.49e-05
1296	305	-0.15	0.18	-0.33	-1.16e-04	-5.29e-05	3.35e-05
1296	307	-0.04	0.26	-0.32	-1.35e-04	-3.42e-05	3.22e-05
1296	310	-0.05	0.17	-0.32	-1.17e-04	-3.50e-05	3.32e-05
1297	44	-0.85	0.40	-0.23	-1.87e-04	0.0	-1.01e-04
1297	52	-0.08	0.74	-0.32	-2.70e-04	0.0	-1.04e-04
1297	68	-0.06	0.95	-0.30	-2.93e-04	0.0	-1.08e-04
1297	123	-6.15	2.42	-0.04	-4.86e-04	0.0	-1.38e-04
1297	129	0.03	7.25	-0.43	-1.63e-03	0.0	-3.70e-04
1297	141	1.03	6.52	-0.45	-1.51e-03	0.0	-5.13e-04
1297	155	-6.91	2.72	-0.03	-5.37e-04	0.0	-1.50e-04
1297	161	0.04	8.19	-0.46	-1.83e-03	0.0	-4.13e-04
1297	173	1.17	7.35	-0.48	-1.69e-03	0.0	-5.75e-04
1297	187	-6.80	2.81	-0.03	-5.55e-04	0.0	-1.55e-04
1297	193	0.04	8.49	-0.47	-1.89e-03	0.0	-4.29e-04
1297	205	1.17	7.55	-0.49	-1.74e-03	0.0	-5.88e-04
1297	219	-7.90	3.33	-0.01	-6.49e-04	0.0	-1.78e-04
1297	225	0.04	10.20	-0.53	-2.26e-03	0.0	-5.10e-04
1297	237	1.38	8.96	-0.55	-2.05e-03	0.0	-6.92e-04
1297	264	-0.57	0.27	-0.17	-1.30e-04	0.0	-6.93e-05
1297	268	-0.05	0.50	-0.23	-1.85e-04	0.0	-7.15e-05
1297	276	-0.04	0.64	-0.21	-2.00e-04	0.0	-7.45e-05
1297	298	-0.05	0.19	-0.18	-1.09e-04	0.0	-4.50e-05
1297	305	-0.15	0.19	-0.17	-1.06e-04	0.0	-4.66e-05
1297	307	-0.05	0.27	-0.17	-1.20e-04	0.0	-4.77e-05
1297	310	-0.05	0.18	-0.17	-1.03e-04	0.0	-4.25e-05
1298	28	-0.62	0.47	-0.64	-2.30e-04	-1.38e-04	8.31e-05
1298	44	-0.94	0.42	-0.57	-1.99e-04	-1.82e-04	7.64e-05
1298	68	-0.07	1.16	-0.54	-3.30e-04	-4.53e-05	6.02e-05
1298	123	-6.84	2.12	-0.46	-5.00e-04	-1.29e-03	1.34e-04
1298	128	-6.24	-2.24	-0.52	3.73e-04	-1.26e-03	1.12e-04
1298	137	0.66	8.19	-0.21	-1.71e-03	3.62e-04	3.04e-05
1298	155	-7.69	2.38	-0.48	-5.51e-04	-1.45e-03	1.46e-04
1298	160	-7.00	-2.57	-0.54	4.38e-04	-1.41e-03	1.20e-04
1298	169	0.75	9.24	-0.20	-1.92e-03	4.10e-04	2.92e-05
1298	187	-7.56	2.47	-0.47	-5.70e-04	-1.42e-03	1.44e-04
1298	192	-6.90	-2.64	-0.54	4.52e-04	-1.39e-03	1.18e-04
1298	201	0.75	9.48	-0.19	-1.97e-03	3.97e-04	3.30e-05
1298	219	-8.79	2.94	-0.49	-6.64e-04	-1.65e-03	1.62e-04
1298	224	-8.01	-3.18	-0.57	5.59e-04	-1.61e-03	1.30e-04
1298	233	0.89	11.24	-0.17	-2.32e-03	4.67e-04	3.28e-05
1298	256	-0.41	0.33	-0.45	-1.59e-04	-9.38e-05	5.79e-05
1298	264	-0.63	0.29	-0.40	-1.39e-04	-1.23e-04	5.34e-05
1298	276	-0.05	0.78	-0.38	-2.26e-04	-3.20e-05	4.27e-05
1298	298	-0.06	0.25	-0.36	-1.27e-04	-3.47e-05	4.42e-05
1298	305	-0.17	0.24	-0.35	-1.20e-04	-5.02e-05	4.31e-05
1298	307	-0.06	0.34	-0.34	-1.38e-04	-3.20e-05	4.09e-05
1298	310	-0.06	0.24	-0.34	-1.19e-04	-3.28e-05	4.20e-05
1299	44	-0.95	0.50	-0.25	-1.91e-04	0.0	-1.08e-04
1299	52	-0.10	0.89	-0.34	-2.91e-04	0.0	-1.04e-04
1299	68	-0.08	1.11	-0.31	-3.15e-04	0.0	-1.06e-04
1299	123	-6.84	2.74	-0.04	-5.27e-04	0.0	-1.15e-04
1299	129	0.03	8.15	-0.45	-1.77e-03	0.0	-2.80e-04
1299	141	1.14	7.35	-0.47	-1.64e-03	0.0	-4.34e-04
1299	155	-7.68	3.07	-0.03	-5.83e-04	0.0	-1.25e-04
1299	161	0.05	9.21	-0.49	-1.99e-03	0.0	-3.12e-04
1299	173	1.29	8.28	-0.51	-1.84e-03	0.0	-4.85e-04
1299	187	-7.56	3.16	-0.03	-6.02e-04	0.0	-1.28e-04
1299	193	0.04	9.55	-0.50	-2.06e-03	0.0	-3.24e-04
1299	205	1.30	8.51	-0.52	-1.89e-03	0.0	-4.96e-04
1299	219	-8.78	3.75	-0.01	-7.04e-04	0.0	-1.46e-04
1299	225	0.05	11.46	-0.56	-2.46e-03	0.0	-3.83e-04
1299	237	1.52	10.08	-0.58	-2.23e-03	0.0	-5.81e-04
1299	264	-0.64	0.34	-0.18	-1.33e-04	0.0	-7.45e-05
1299	268	-0.07	0.60	-0.24	-2.00e-04	0.0	-7.14e-05
1299	276	-0.05	0.75	-0.22	-2.16e-04	0.0	-7.29e-05
1299	298	-0.07	0.25	-0.19	-1.17e-04	0.0	-4.63e-05
1299	305	-0.18	0.25	-0.18	-1.12e-04	0.0	-4.86e-05
1299	307	-0.06	0.33	-0.18	-1.28e-04	0.0	-4.83e-05
1299	310	-0.06	0.24	-0.18	-1.10e-04	0.0	-4.38e-05

1300	43	-0.76	0.31	-0.24	-2.10e-04	0.0	-3.29e-05
1300	52	-0.05	0.63	-0.32	-2.86e-04	0.0	-3.77e-05
1300	68	-0.04	0.83	-0.29	-3.06e-04	0.0	-4.11e-05
1300	123	-5.47	2.17	-0.11	-4.98e-04	0.0	-2.08e-05
1300	129	0.03	6.51	-0.29	-1.65e-03	0.0	-4.07e-05
1300	141	0.93	5.90	-0.30	-1.54e-03	0.0	-1.54e-04
1300	155	-6.14	2.44	-0.11	-5.49e-04	0.0	-2.14e-05
1300	161	0.04	7.36	-0.30	-1.85e-03	0.0	-4.36e-05
1300	173	1.05	6.66	-0.31	-1.73e-03	0.0	-1.72e-04
1300	187	-6.04	2.51	-0.11	-5.67e-04	0.0	-2.09e-05
1300	193	0.03	7.63	-0.31	-1.92e-03	0.0	-4.10e-05
1300	205	1.05	6.84	-0.32	-1.77e-03	0.0	-1.74e-04
1300	219	-7.02	2.99	-0.10	-6.62e-04	0.0	-2.22e-05
1300	225	0.03	9.17	-0.33	-2.29e-03	0.0	-4.57e-05
1300	237	1.23	8.12	-0.34	-2.08e-03	0.0	-2.04e-04
1300	263	-0.51	0.22	-0.17	-1.46e-04	0.0	-2.27e-05
1300	268	-0.04	0.43	-0.23	-1.96e-04	0.0	-2.59e-05
1300	276	-0.03	0.56	-0.21	-2.10e-04	0.0	-2.82e-05
1300	298	-0.04	0.15	-0.18	-1.18e-04	0.0	-1.51e-05
1300	305	-0.13	0.15	-0.17	-1.17e-04	0.0	-1.59e-05
1300	307	-0.03	0.22	-0.18	-1.28e-04	0.0	-1.67e-05
1300	310	-0.04	0.14	-0.18	-1.12e-04	0.0	-1.44e-05
1301	44	-0.85	0.44	-0.28	-2.09e-04	0.0	-6.80e-05
1301	52	-0.08	0.78	-0.35	-2.88e-04	0.0	-6.77e-05
1301	68	-0.06	1.00	-0.31	-3.09e-04	0.0	-7.03e-05
1301	123	-6.15	2.48	-0.12	-5.04e-04	0.0	-5.29e-05
1301	129	0.03	7.39	-0.31	-1.67e-03	0.0	-1.09e-04
1301	141	1.03	6.71	-0.32	-1.56e-03	0.0	-2.48e-04
1301	155	-6.91	2.78	-0.11	-5.57e-04	0.0	-5.61e-05
1301	161	0.04	8.35	-0.33	-1.88e-03	0.0	-1.19e-04
1301	173	1.17	7.57	-0.34	-1.75e-03	0.0	-2.77e-04
1301	187	-6.80	2.86	-0.11	-5.75e-04	0.0	-5.72e-05
1301	193	0.04	8.66	-0.33	-1.95e-03	0.0	-1.22e-04
1301	205	1.17	7.77	-0.34	-1.80e-03	0.0	-2.82e-04
1301	219	-7.90	3.40	-0.10	-6.72e-04	0.0	-6.32e-05
1301	225	0.04	10.40	-0.36	-2.33e-03	0.0	-1.42e-04
1301	237	1.38	9.21	-0.37	-2.12e-03	0.0	-3.30e-04
1301	264	-0.57	0.31	-0.20	-1.45e-04	0.0	-4.68e-05
1301	268	-0.05	0.53	-0.24	-1.98e-04	0.0	-4.67e-05
1301	276	-0.04	0.67	-0.22	-2.12e-04	0.0	-4.84e-05
1301	298	-0.05	0.21	-0.20	-1.18e-04	0.0	-2.98e-05
1301	305	-0.15	0.22	-0.19	-1.15e-04	0.0	-3.11e-05
1301	307	-0.05	0.29	-0.19	-1.29e-04	0.0	-3.14e-05
1301	310	-0.05	0.20	-0.19	-1.11e-04	0.0	-2.82e-05
1302	44	-0.95	0.55	-0.29	-1.92e-04	0.0	-7.86e-05
1302	52	-0.10	0.94	-0.37	-2.90e-04	0.0	-7.87e-05
1302	68	-0.08	1.16	-0.33	-3.13e-04	0.0	-7.99e-05
1302	123	-6.84	2.79	-0.12	-5.12e-04	0.0	-5.65e-05
1302	129	0.04	8.29	-0.33	-1.70e-03	0.0	-1.06e-04
1302	141	1.14	7.54	-0.35	-1.59e-03	0.0	-2.58e-04
1302	155	-7.68	3.12	-0.12	-5.65e-04	0.0	-5.94e-05
1302	161	0.05	9.36	-0.35	-1.91e-03	0.0	-1.15e-04
1302	173	1.29	8.49	-0.36	-1.79e-03	0.0	-2.87e-04
1302	187	-7.56	3.22	-0.12	-5.84e-04	0.0	-6.02e-05
1302	193	0.04	9.70	-0.36	-1.98e-03	0.0	-1.16e-04
1302	205	1.30	8.72	-0.37	-1.83e-03	0.0	-2.92e-04
1302	219	-8.78	3.82	-0.11	-6.82e-04	0.0	-6.56e-05
1302	225	0.05	11.64	-0.39	-2.37e-03	0.0	-1.34e-04
1302	237	1.52	10.33	-0.40	-2.16e-03	0.0	-3.41e-04
1302	264	-0.64	0.38	-0.21	-1.33e-04	0.0	-5.42e-05
1302	268	-0.07	0.64	-0.26	-1.99e-04	0.0	-5.43e-05
1302	276	-0.05	0.79	-0.23	-2.14e-04	0.0	-5.51e-05
1302	298	-0.07	0.28	-0.21	-1.17e-04	0.0	-3.59e-05
1302	305	-0.18	0.28	-0.20	-1.12e-04	0.0	-3.70e-05
1302	307	-0.06	0.36	-0.20	-1.28e-04	0.0	-3.72e-05
1302	310	-0.06	0.26	-0.20	-1.11e-04	0.0	-3.40e-05
1303	43	-0.75	0.33	-0.27	-2.37e-04	0.0	-6.81e-06
1303	52	-0.05	0.65	-0.34	-3.11e-04	0.0	-1.57e-05
1303	68	-0.04	0.85	-0.31	-3.30e-04	0.0	-1.85e-05
1303	123	-5.47	2.16	-0.16	-5.21e-04	0.0	1.41e-05
1303	125	4.90	1.65	-0.24	-6.09e-04	0.0	-4.63e-06
1303	129	0.03	6.49	-0.23	-1.71e-03	0.0	1.43e-04
1303	155	-6.14	2.43	-0.15	-5.74e-04	0.0	1.67e-05
1303	157	5.52	1.85	-0.24	-6.73e-04	0.0	-4.50e-06
1303	161	0.04	7.33	-0.23	-1.92e-03	0.0	1.62e-04

1303	187	-6.04	2.50	-0.15	-5.93e-04	0.0	1.76e-05
1303	189	5.43	1.91	-0.24	-6.87e-04	0.0	-3.96e-06
1303	193	0.03	7.60	-0.23	-1.99e-03	0.0	1.61e-04
1303	219	-7.02	2.98	-0.15	-6.90e-04	0.0	2.26e-05
1303	221	6.32	2.25	-0.25	-7.94e-04	0.0	-3.53e-06
1303	225	0.03	9.13	-0.24	-2.37e-03	0.0	1.92e-04
1303	263	-0.50	0.23	-0.19	-1.65e-04	0.0	-4.88e-06
1303	268	-0.04	0.44	-0.24	-2.14e-04	0.0	-1.08e-05
1303	276	-0.03	0.57	-0.22	-2.27e-04	0.0	-1.26e-05
1303	298	-0.04	0.15	-0.20	-1.31e-04	0.0	-5.64e-06
1303	305	-0.13	0.16	-0.19	-1.30e-04	0.0	-5.26e-06
1303	307	-0.03	0.23	-0.19	-1.41e-04	0.0	-6.66e-06
1303	310	-0.04	0.14	-0.19	-1.23e-04	0.0	-5.42e-06
1304	44	-0.85	0.47	-0.31	-2.25e-04	0.0	-2.01e-05
1304	52	-0.08	0.81	-0.37	-3.06e-04	0.0	-3.51e-05
1304	68	-0.05	1.03	-0.33	-3.26e-04	0.0	-3.73e-05
1304	123	-6.15	2.49	-0.17	-5.18e-04	0.0	-5.62e-05
1304	125	5.50	1.94	-0.26	-6.03e-04	0.0	-1.97e-05
1304	129	0.03	7.40	-0.24	-1.70e-03	0.0	-6.67e-05
1304	155	-6.91	2.79	-0.16	-5.71e-04	0.0	-6.13e-05
1304	157	6.19	2.16	-0.26	-6.67e-04	0.0	-2.04e-05
1304	161	0.04	8.36	-0.25	-1.91e-03	0.0	-7.32e-05
1304	187	-6.80	2.87	-0.16	-5.90e-04	0.0	-5.99e-05
1304	189	6.10	2.23	-0.26	-6.81e-04	0.0	-2.05e-05
1304	193	0.04	8.67	-0.25	-1.98e-03	0.0	-7.28e-05
1304	219	-7.90	3.41	-0.16	-6.87e-04	0.0	-6.79e-05
1304	221	7.10	2.62	-0.27	-7.88e-04	0.0	-2.16e-05
1304	225	0.04	10.40	-0.26	-2.36e-03	0.0	-8.47e-05
1304	264	-0.57	0.33	-0.22	-1.56e-04	0.0	-1.42e-05
1304	268	-0.05	0.55	-0.26	-2.10e-04	0.0	-2.42e-05
1304	276	-0.04	0.69	-0.23	-2.24e-04	0.0	-2.57e-05
1304	298	-0.05	0.22	-0.21	-1.27e-04	0.0	-1.51e-05
1304	305	-0.15	0.23	-0.20	-1.24e-04	0.0	-1.39e-05
1304	307	-0.05	0.30	-0.20	-1.37e-04	0.0	-1.62e-05
1304	310	-0.05	0.21	-0.20	-1.20e-04	0.0	-1.44e-05
1305	44	-0.95	0.59	-0.33	-1.94e-04	0.0	-2.61e-05
1305	52	-0.10	0.97	-0.39	-2.96e-04	0.0	-4.88e-05
1305	68	-0.07	1.20	-0.35	-3.19e-04	0.0	-5.01e-05
1305	123	-6.84	2.80	-0.18	-5.12e-04	0.0	-6.50e-05
1305	125	6.11	2.22	-0.28	-5.96e-04	0.0	-2.96e-05
1305	129	0.04	8.30	-0.26	-1.69e-03	0.0	-7.17e-05
1305	155	-7.68	3.13	-0.17	-5.65e-04	0.0	-7.04e-05
1305	157	6.87	2.47	-0.28	-6.59e-04	0.0	-3.07e-05
1305	161	0.05	9.37	-0.27	-1.90e-03	0.0	-7.79e-05
1305	187	-7.56	3.23	-0.17	-5.83e-04	0.0	-6.87e-05
1305	189	6.77	2.54	-0.28	-6.74e-04	0.0	-3.09e-05
1305	193	0.04	9.72	-0.27	-1.97e-03	0.0	-7.66e-05
1305	219	-8.78	3.83	-0.17	-6.80e-04	0.0	-7.69e-05
1305	221	7.88	2.98	-0.29	-7.81e-04	0.0	-3.28e-05
1305	225	0.05	11.65	-0.28	-2.35e-03	0.0	-8.77e-05
1305	264	-0.64	0.40	-0.24	-1.35e-04	0.0	-1.86e-05
1305	268	-0.07	0.66	-0.28	-2.03e-04	0.0	-3.38e-05
1305	276	-0.05	0.81	-0.25	-2.18e-04	0.0	-3.46e-05
1305	298	-0.07	0.29	-0.23	-1.21e-04	0.0	-2.22e-05
1305	305	-0.18	0.29	-0.21	-1.15e-04	0.0	-2.00e-05
1305	307	-0.06	0.38	-0.22	-1.32e-04	0.0	-2.32e-05
1305	310	-0.06	0.27	-0.22	-1.14e-04	0.0	-2.12e-05
1306	4	0.15	0.25	-0.36	-2.33e-04	0.0	-9.82e-06
1306	43	-0.75	0.33	-0.29	-2.39e-04	0.0	5.87e-05
1306	68	-0.04	0.85	-0.31	-3.43e-04	0.0	0.0
1306	123	-5.47	2.14	-0.18	-5.25e-04	0.0	7.40e-05
1306	137	0.53	6.44	-0.17	-1.72e-03	0.0	-1.58e-05
1306	138	1.68	-5.26	-0.24	1.24e-03	0.0	1.06e-04
1306	155	-6.14	2.40	-0.18	-5.78e-04	0.0	8.31e-05
1306	169	0.60	7.27	-0.16	-1.93e-03	0.0	-1.83e-05
1306	170	1.89	-5.97	-0.24	1.42e-03	0.0	1.18e-04
1306	187	-6.04	2.47	-0.18	-5.97e-04	0.0	8.37e-05
1306	193	0.03	7.51	-0.16	-1.99e-03	0.0	2.40e-04
1306	202	1.83	-6.14	-0.24	1.46e-03	0.0	1.16e-04
1306	219	-7.02	2.94	-0.17	-6.94e-04	0.0	9.88e-05
1306	225	0.03	9.02	-0.15	-2.37e-03	0.0	2.86e-04
1306	234	2.13	-7.33	-0.25	1.76e-03	0.0	1.35e-04
1306	244	0.10	0.17	-0.25	-1.62e-04	0.0	-6.43e-06
1306	263	-0.50	0.23	-0.21	-1.66e-04	0.0	3.93e-05
1306	276	-0.03	0.58	-0.22	-2.36e-04	0.0	0.0

1306	298	-0.04	0.16	-0.21	-1.38e-04	0.0	3.52e-06
1306	305	-0.13	0.16	-0.20	-1.36e-04	0.0	1.04e-05
1306	307	-0.03	0.23	-0.20	-1.48e-04	0.0	2.57e-06
1306	310	-0.03	0.15	-0.20	-1.30e-04	0.0	3.24e-06
1307	4	0.15	0.37	-0.38	-2.32e-04	0.0	-1.63e-05
1307	43	-0.85	0.45	-0.31	-2.12e-04	0.0	6.70e-05
1307	68	-0.05	1.04	-0.34	-3.38e-04	0.0	-5.81e-06
1307	123	-6.15	2.46	-0.19	-5.23e-04	0.0	7.55e-05
1307	137	0.59	7.36	-0.18	-1.72e-03	0.0	-1.09e-05
1307	138	1.87	-5.92	-0.25	1.24e-03	0.0	1.08e-04
1307	155	-6.91	2.76	-0.19	-5.76e-04	0.0	8.49e-05
1307	169	0.67	8.30	-0.18	-1.93e-03	0.0	-1.24e-05
1307	170	2.11	-6.73	-0.26	1.42e-03	0.0	1.21e-04
1307	187	-6.80	2.84	-0.19	-5.94e-04	0.0	8.54e-05
1307	193	0.04	8.57	-0.18	-1.98e-03	0.0	2.57e-04
1307	202	2.05	-6.92	-0.26	1.46e-03	0.0	1.18e-04
1307	219	-7.90	3.37	-0.19	-6.92e-04	0.0	1.01e-04
1307	225	0.04	10.28	-0.17	-2.36e-03	0.0	3.07e-04
1307	234	2.38	-8.27	-0.26	1.76e-03	0.0	1.37e-04
1307	244	0.10	0.26	-0.27	-1.61e-04	0.0	-1.08e-05
1307	263	-0.57	0.31	-0.22	-1.48e-04	0.0	4.47e-05
1307	276	-0.04	0.70	-0.24	-2.32e-04	0.0	-3.84e-06
1307	298	-0.05	0.23	-0.22	-1.33e-04	0.0	1.77e-06
1307	305	-0.15	0.23	-0.21	-1.29e-04	0.0	1.02e-05
1307	307	-0.05	0.31	-0.21	-1.44e-04	0.0	0.0
1307	310	-0.05	0.22	-0.21	-1.26e-04	0.0	1.58e-06
1308	4	0.14	0.50	-0.41	-2.23e-04	0.0	-2.57e-05
1308	44	-0.95	0.58	-0.36	-1.98e-04	0.0	6.06e-05
1308	68	-0.07	1.22	-0.36	-3.27e-04	0.0	-1.56e-05
1308	123	-6.84	2.78	-0.21	-5.15e-04	0.0	7.03e-05
1308	137	0.65	8.27	-0.20	-1.71e-03	0.0	-7.53e-06
1308	138	2.07	-6.58	-0.26	1.25e-03	0.0	1.07e-04
1308	155	-7.68	3.11	-0.21	-5.68e-04	0.0	7.96e-05
1308	169	0.74	9.32	-0.19	-1.92e-03	0.0	-7.94e-06
1308	170	2.33	-7.49	-0.27	1.43e-03	0.0	1.20e-04
1308	187	-7.56	3.21	-0.21	-5.86e-04	0.0	7.99e-05
1308	193	0.04	9.63	-0.19	-1.96e-03	0.0	2.66e-04
1308	202	2.26	-7.70	-0.27	1.47e-03	0.0	1.15e-04
1308	219	-8.78	3.80	-0.20	-6.83e-04	0.0	9.55e-05
1308	225	0.05	11.54	-0.19	-2.34e-03	0.0	3.18e-04
1308	234	2.63	-9.21	-0.28	1.77e-03	0.0	1.34e-04
1308	244	0.09	0.35	-0.29	-1.55e-04	0.0	-1.73e-05
1308	264	-0.63	0.40	-0.25	-1.38e-04	0.0	4.02e-05
1308	276	-0.05	0.83	-0.25	-2.24e-04	0.0	-1.06e-05
1308	298	-0.07	0.30	-0.24	-1.26e-04	0.0	-3.26e-06
1308	305	-0.18	0.30	-0.23	-1.19e-04	0.0	5.63e-06
1308	307	-0.06	0.38	-0.23	-1.37e-04	0.0	-4.53e-06
1308	310	-0.06	0.28	-0.23	-1.19e-04	0.0	-3.19e-06
1309	43	-0.76	0.28	-0.30	-2.05e-04	-1.52e-04	2.01e-04
1309	68	-0.04	0.85	-0.31	-3.40e-04	-5.20e-05	1.88e-05
1309	76	-0.07	0.08	-0.36	-1.99e-04	-7.01e-05	3.02e-05
1309	123	-5.46	2.09	-0.19	-5.17e-04	-1.02e-03	1.18e-04
1309	137	0.53	6.39	-0.08	-1.71e-03	2.70e-04	0.0
1309	140	-0.60	-6.11	-0.32	1.46e-03	-3.44e-04	3.04e-05
1309	155	-6.14	2.35	-0.19	-5.69e-04	-1.14e-03	1.31e-04
1309	169	0.60	7.22	-0.06	-1.92e-03	3.07e-04	-1.73e-06
1309	172	-0.67	-6.94	-0.34	1.66e-03	-3.82e-04	3.22e-05
1309	187	-6.04	2.43	-0.18	-5.87e-04	-1.12e-03	1.30e-04
1309	201	0.61	7.41	-0.06	-1.97e-03	2.98e-04	0.0
1309	204	-0.68	-7.13	-0.34	1.71e-03	-3.72e-04	2.97e-05
1309	219	-7.02	2.89	-0.18	-6.83e-04	-1.29e-03	1.51e-04
1309	225	0.04	8.88	-0.03	-2.33e-03	0.0	2.80e-04
1309	236	-0.79	-8.51	-0.37	2.06e-03	-4.27e-04	3.15e-05
1309	263	-0.51	0.19	-0.21	-1.43e-04	-1.03e-04	1.35e-04
1309	276	-0.03	0.57	-0.22	-2.33e-04	-3.65e-05	1.34e-05
1309	280	-0.05	0.06	-0.26	-1.39e-04	-4.86e-05	2.10e-05
1309	298	-0.04	0.15	-0.21	-1.34e-04	-3.95e-05	1.61e-05
1309	305	-0.13	0.15	-0.20	-1.28e-04	-4.99e-05	3.89e-05
1309	307	-0.03	0.22	-0.20	-1.44e-04	-3.64e-05	1.44e-05
1309	310	-0.03	0.14	-0.20	-1.26e-04	-3.72e-05	1.52e-05
1310	43	-0.85	0.39	-0.32	-2.03e-04	-1.60e-04	1.86e-04
1310	68	-0.05	1.03	-0.33	-3.41e-04	-4.18e-05	2.22e-05
1310	76	-0.09	0.19	-0.39	-1.99e-04	-5.80e-05	3.66e-05
1310	123	-6.15	2.42	-0.20	-5.20e-04	-1.22e-03	1.11e-04
1310	137	0.59	7.31	-0.09	-1.72e-03	3.42e-04	7.92e-06

1310	140	-0.69	-6.89	-0.34	1.47e-03	-4.04e-04	2.89e-05
1310	155	-6.91	2.71	-0.20	-5.72e-04	-1.37e-03	1.23e-04
1310	169	0.67	8.25	-0.08	-1.93e-03	3.88e-04	6.74e-06
1310	172	-0.77	-7.83	-0.35	1.67e-03	-4.49e-04	3.00e-05
1310	187	-6.80	2.79	-0.20	-5.91e-04	-1.35e-03	1.23e-04
1310	201	0.68	8.47	-0.07	-1.98e-03	3.76e-04	9.63e-06
1310	204	-0.77	-8.05	-0.36	1.72e-03	-4.38e-04	2.71e-05
1310	219	-7.90	3.32	-0.20	-6.87e-04	-1.56e-03	1.42e-04
1310	225	0.04	10.14	-0.05	-2.34e-03	6.86e-06	3.12e-04
1310	236	-0.90	-9.62	-0.38	2.08e-03	-5.03e-04	2.77e-05
1310	263	-0.57	0.27	-0.23	-1.42e-04	-1.09e-04	1.25e-04
1310	276	-0.04	0.70	-0.24	-2.34e-04	-2.95e-05	1.58e-05
1310	280	-0.06	0.14	-0.27	-1.39e-04	-4.03e-05	2.55e-05
1310	298	-0.05	0.22	-0.23	-1.34e-04	-3.26e-05	1.94e-05
1310	305	-0.15	0.22	-0.22	-1.28e-04	-4.60e-05	3.95e-05
1310	307	-0.04	0.30	-0.21	-1.45e-04	-3.00e-05	1.74e-05
1310	310	-0.05	0.21	-0.22	-1.26e-04	-3.08e-05	1.84e-05
1311	44	-0.95	0.53	-0.37	-2.06e-04	-1.71e-04	1.71e-04
1311	68	-0.07	1.22	-0.35	-3.34e-04	-4.90e-05	2.18e-05
1311	76	-0.12	0.30	-0.41	-1.90e-04	-6.53e-05	3.77e-05
1311	123	-6.84	2.74	-0.22	-5.15e-04	-1.26e-03	1.08e-04
1311	137	0.65	8.23	-0.11	-1.71e-03	3.50e-04	1.31e-05
1311	140	-0.78	-7.67	-0.35	1.47e-03	-4.20e-04	2.44e-05
1311	155	-7.68	3.06	-0.22	-5.68e-04	-1.42e-03	1.19e-04
1311	169	0.74	9.28	-0.10	-1.92e-03	3.97e-04	1.26e-05
1311	172	-0.86	-8.72	-0.36	1.68e-03	-4.67e-04	2.49e-05
1311	187	-7.56	3.16	-0.22	-5.86e-04	-1.39e-03	1.19e-04
1311	201	0.75	9.53	-0.09	-1.97e-03	3.85e-04	1.62e-05
1311	204	-0.87	-8.97	-0.37	1.73e-03	-4.55e-04	2.13e-05
1311	219	-8.78	3.74	-0.22	-6.82e-04	-1.61e-03	1.38e-04
1311	225	0.05	11.39	-0.07	-2.33e-03	2.53e-06	3.37e-04
1311	236	-1.01	-10.73	-0.39	2.08e-03	-5.23e-04	2.06e-05
1311	264	-0.63	0.37	-0.26	-1.43e-04	-1.16e-04	1.15e-04
1311	276	-0.05	0.83	-0.25	-2.29e-04	-3.45e-05	1.56e-05
1311	280	-0.08	0.21	-0.29	-1.33e-04	-4.54e-05	2.62e-05
1311	298	-0.06	0.30	-0.24	-1.29e-04	-3.68e-05	1.98e-05
1311	305	-0.17	0.29	-0.23	-1.23e-04	-5.02e-05	3.75e-05
1311	307	-0.06	0.38	-0.23	-1.40e-04	-3.40e-05	1.76e-05
1311	310	-0.06	0.28	-0.23	-1.22e-04	-3.48e-05	1.88e-05
1312	28	-0.48	0.26	-0.46	-2.18e-04	0.0	7.33e-05
1312	43	-0.75	0.22	-0.39	-1.69e-04	0.0	7.43e-05
1312	68	-0.04	0.83	-0.39	-3.29e-04	0.0	4.18e-05
1312	123	-5.46	2.04	-0.30	-5.08e-04	0.0	1.02e-04
1312	137	0.53	6.38	-0.15	-1.71e-03	0.0	2.70e-05
1312	144	-0.99	-5.63	-0.35	1.37e-03	0.0	8.12e-05
1312	155	-6.14	2.30	-0.31	-5.60e-04	0.0	1.11e-04
1312	169	0.60	7.20	-0.14	-1.92e-03	0.0	2.70e-05
1312	176	-1.12	-6.38	-0.37	1.57e-03	0.0	8.72e-05
1312	187	-6.04	2.37	-0.30	-5.78e-04	0.0	1.11e-04
1312	201	0.61	7.39	-0.14	-1.97e-03	0.0	3.09e-05
1312	208	-1.12	-6.56	-0.37	1.62e-03	0.0	8.21e-05
1312	219	-7.02	2.82	-0.31	-6.73e-04	0.0	1.25e-04
1312	233	0.72	8.77	-0.12	-2.32e-03	0.0	3.25e-05
1312	240	-1.30	-7.83	-0.39	1.95e-03	0.0	8.93e-05
1312	256	-0.32	0.18	-0.32	-1.52e-04	0.0	5.06e-05
1312	263	-0.50	0.15	-0.27	-1.19e-04	0.0	5.13e-05
1312	276	-0.03	0.56	-0.28	-2.25e-04	0.0	2.96e-05
1312	298	-0.04	0.13	-0.26	-1.26e-04	0.0	3.14e-05
1312	305	-0.13	0.13	-0.25	-1.17e-04	0.0	3.38e-05
1312	307	-0.03	0.21	-0.25	-1.37e-04	0.0	2.89e-05
1312	310	-0.03	0.13	-0.25	-1.19e-04	0.0	2.98e-05
1313	28	-0.55	0.38	-0.50	-2.33e-04	0.0	9.02e-05
1313	43	-0.85	0.32	-0.41	-1.88e-04	0.0	9.12e-05
1313	68	-0.05	1.01	-0.42	-3.34e-04	0.0	5.16e-05
1313	123	-6.15	2.36	-0.33	-5.10e-04	0.0	1.11e-04
1313	137	0.59	7.29	-0.17	-1.72e-03	0.0	3.58e-05
1313	144	-1.13	-6.34	-0.37	1.37e-03	0.0	9.23e-05
1313	155	-6.91	2.65	-0.33	-5.62e-04	0.0	1.20e-04
1313	169	0.67	8.22	-0.16	-1.93e-03	0.0	3.61e-05
1313	176	-1.27	-7.20	-0.39	1.57e-03	0.0	9.88e-05
1313	187	-6.80	2.73	-0.33	-5.80e-04	0.0	1.20e-04
1313	201	0.68	8.44	-0.16	-1.97e-03	0.0	4.06e-05
1313	208	-1.27	-7.41	-0.39	1.62e-03	0.0	9.29e-05
1313	219	-7.90	3.25	-0.34	-6.76e-04	0.0	1.35e-04
1313	233	0.81	10.01	-0.14	-2.33e-03	0.0	4.31e-05

1313	240	-1.47	-8.85	-0.41	1.95e-03	0.0	1.00e-04
1313	256	-0.37	0.26	-0.35	-1.61e-04	0.0	6.22e-05
1313	263	-0.57	0.22	-0.29	-1.31e-04	0.0	6.29e-05
1313	276	-0.04	0.68	-0.30	-2.29e-04	0.0	3.65e-05
1313	298	-0.05	0.20	-0.28	-1.29e-04	0.0	3.86e-05
1313	305	-0.15	0.20	-0.27	-1.22e-04	0.0	4.15e-05
1313	307	-0.04	0.28	-0.27	-1.40e-04	0.0	3.56e-05
1313	310	-0.05	0.19	-0.27	-1.22e-04	0.0	3.66e-05
1314	28	-0.62	0.51	-0.53	-2.36e-04	0.0	9.90e-05
1314	44	-0.94	0.46	-0.47	-2.06e-04	0.0	1.05e-04
1314	68	-0.07	1.19	-0.45	-3.33e-04	0.0	5.70e-05
1314	123	-6.84	2.69	-0.35	-5.08e-04	0.0	1.11e-04
1314	128	-6.23	-1.70	-0.40	3.67e-04	0.0	8.16e-05
1314	137	0.66	8.21	-0.19	-1.71e-03	0.0	4.14e-05
1314	155	-7.69	3.01	-0.36	-5.60e-04	0.0	1.20e-04
1314	160	-7.00	-1.95	-0.41	4.31e-04	0.0	8.66e-05
1314	169	0.74	9.25	-0.18	-1.92e-03	0.0	4.19e-05
1314	187	-7.56	3.10	-0.36	-5.78e-04	0.0	1.19e-04
1314	192	-6.90	-2.02	-0.41	4.45e-04	0.0	8.38e-05
1314	201	0.75	9.50	-0.17	-1.97e-03	0.0	4.68e-05
1314	219	-8.78	3.68	-0.37	-6.73e-04	0.0	1.34e-04
1314	233	0.89	11.26	-0.15	-2.32e-03	0.0	4.98e-05
1314	240	-1.65	-9.87	-0.43	1.94e-03	0.0	1.08e-04
1314	256	-0.42	0.36	-0.37	-1.63e-04	0.0	6.84e-05
1314	264	-0.63	0.32	-0.33	-1.44e-04	0.0	7.26e-05
1314	276	-0.05	0.81	-0.32	-2.28e-04	0.0	4.03e-05
1314	298	-0.06	0.27	-0.30	-1.28e-04	0.0	4.25e-05
1314	305	-0.17	0.26	-0.29	-1.22e-04	0.0	4.56e-05
1314	307	-0.06	0.36	-0.29	-1.39e-04	0.0	3.92e-05
1314	310	-0.06	0.26	-0.29	-1.21e-04	0.0	4.03e-05
1315	44	-1.98	1.31	0.13	-2.68e-04	0.0	6.12e-05
1315	47	-1.80	1.01	0.14	-1.96e-04	0.0	5.64e-05
1315	68	-0.77	2.34	0.02	-3.34e-04	0.0	1.58e-05
1315	123	-10.27	4.10	0.83	-3.73e-04	0.0	8.37e-05
1315	129	-2.14	14.20	0.16	-1.05e-03	0.0	4.60e-04
1315	155	-11.49	4.56	0.93	-4.02e-04	0.0	9.36e-05
1315	161	-2.36	15.99	0.18	-1.16e-03	0.0	5.19e-04
1315	187	-11.34	4.72	0.92	-4.13e-04	0.0	9.83e-05
1315	193	-2.42	16.58	0.19	-1.20e-03	0.0	5.28e-04
1315	219	-13.12	5.55	1.07	-4.67e-04	0.0	1.18e-04
1315	225	-2.83	19.83	0.23	-1.41e-03	0.0	6.29e-04
1315	263	-1.32	0.85	0.09	-1.71e-04	0.0	4.02e-05
1315	264	-1.35	0.91	0.08	-1.87e-04	0.0	4.15e-05
1315	276	-0.54	1.60	7.32e-03	-2.31e-04	0.0	1.12e-05
1315	302	-0.23	0.46	-0.03	-1.04e-04	0.0	4.13e-06
1315	305	-0.65	0.74	0.02	-1.57e-04	0.0	1.66e-05
1315	307	-0.49	0.88	6.11e-03	-1.66e-04	0.0	1.05e-05
1315	309	-0.31	0.46	-0.03	-1.04e-04	0.0	7.00e-06
1315	310	-0.50	0.73	5.99e-03	-1.56e-04	0.0	1.08e-05
1316	44	-2.12	1.44	0.13	-2.67e-04	0.0	6.60e-05
1316	47	-1.91	1.11	0.14	-1.95e-04	0.0	6.04e-05
1316	68	-0.88	2.51	0.02	-3.35e-04	0.0	1.96e-05
1316	123	-10.59	4.28	0.82	-3.44e-04	0.0	8.94e-05
1316	129	-2.27	14.69	0.16	-9.24e-04	0.0	4.62e-04
1316	155	-11.84	4.75	0.92	-3.69e-04	0.0	9.97e-05
1316	161	-2.50	16.53	0.18	-1.03e-03	0.0	5.20e-04
1316	187	-11.68	4.92	0.91	-3.79e-04	0.0	1.04e-04
1316	193	-2.56	17.14	0.18	-1.06e-03	0.0	5.29e-04
1316	219	-13.52	5.77	1.06	-4.25e-04	0.0	1.24e-04
1316	225	-2.99	20.49	0.22	-1.24e-03	0.0	6.29e-04
1316	263	-1.41	0.94	0.09	-1.70e-04	0.0	4.34e-05
1316	264	-1.44	1.00	0.08	-1.86e-04	0.0	4.48e-05
1316	276	-0.62	1.71	5.26e-03	-2.32e-04	0.0	1.38e-05
1316	302	-0.28	0.51	-0.04	-1.04e-04	0.0	5.43e-06
1316	305	-0.73	0.82	0.02	-1.58e-04	0.0	1.89e-05
1316	307	-0.56	0.96	4.25e-03	-1.67e-04	0.0	1.27e-05
1316	309	-0.36	0.52	-0.03	-1.04e-04	0.0	8.39e-06
1316	310	-0.56	0.81	4.11e-03	-1.57e-04	0.0	1.30e-05
1317	45	-1.20	-0.12	-0.06	0.0	3.97e-04	-9.02e-04
1317	68	-0.01	0.66	-0.08	0.0	-5.37e-05	-1.24e-04
1317	92	0.02	-0.16	-0.19	0.0	-6.72e-05	0.0
1317	122	5.31	-1.42	-0.26	0.0	1.17e-03	-1.02e-04
1317	129	-0.76	6.04	0.54	0.0	-2.13e-04	4.38e-04
1317	140	-0.11	-5.87	-0.76	0.0	-8.96e-05	2.10e-04
1317	154	5.96	-1.61	-0.28	0.0	1.32e-03	-1.11e-04

1317	161	-0.87	6.83	0.63	0.0	-2.36e-04	4.95e-04
1317	172	-0.13	-6.65	-0.84	0.0	-9.60e-05	2.40e-04
1317	186	5.88	-1.69	-0.29	0.0	1.30e-03	-1.09e-04
1317	193	-0.90	7.09	0.65	0.0	-2.42e-04	4.79e-04
1317	204	-0.14	-6.83	-0.86	0.0	-1.01e-04	2.34e-04
1317	218	6.85	-2.05	-0.33	0.0	1.53e-03	-1.24e-04
1317	225	-1.09	8.53	0.81	0.0	-2.85e-04	5.64e-04
1317	236	-0.16	-8.15	-1.01	0.0	-1.13e-04	2.81e-04
1317	261	-0.80	-0.07	-0.07	0.0	2.55e-04	-6.10e-04
1317	276	-8.22e-03	0.44	-0.06	0.0	-3.79e-05	-8.51e-05
1317	288	0.01	-0.10	-0.13	0.0	-4.70e-05	-2.57e-06
1317	298	4.27e-03	0.07	-0.10	0.0	-4.18e-05	-2.82e-05
1317	304	-0.16	0.01	-0.08	0.0	3.04e-05	-1.40e-04
1317	307	9.74e-04	0.14	-0.09	0.0	-3.83e-05	-3.85e-05
1317	310	4.00e-03	0.07	-0.10	0.0	-3.95e-05	-2.75e-05
1318	28	-0.48	0.22	-0.80	-1.79e-04	0.0	2.55e-05
1318	43	-0.75	0.20	-0.69	-1.39e-04	0.0	2.05e-05
1318	68	-0.04	0.79	-0.65	-2.96e-04	0.0	1.67e-05
1318	123	-5.46	1.57	-0.87	-4.92e-04	0.0	6.58e-05
1318	137	0.53	6.35	-0.27	-1.73e-03	0.0	1.65e-05
1318	155	-6.14	1.76	-0.92	-5.45e-04	0.0	7.23e-05
1318	169	0.60	7.17	-0.25	-1.94e-03	0.0	1.72e-05
1318	187	-6.04	1.84	-0.91	-5.63e-04	0.0	7.19e-05
1318	201	0.61	7.36	-0.26	-2.00e-03	0.0	2.08e-05
1318	219	-7.01	2.20	-1.00	-6.59e-04	0.0	8.25e-05
1318	233	0.72	8.74	-0.23	-2.36e-03	0.0	2.36e-05
1318	256	-0.32	0.15	-0.56	-1.24e-04	0.0	1.78e-05
1318	263	-0.50	0.13	-0.48	-9.74e-05	0.0	1.45e-05
1318	276	-0.03	0.53	-0.46	-2.02e-04	0.0	1.20e-05
1318	298	-0.04	0.11	-0.44	-1.02e-04	0.0	1.42e-05
1318	305	-0.13	0.11	-0.42	-9.55e-05	0.0	1.36e-05
1318	307	-0.03	0.19	-0.41	-1.15e-04	0.0	1.28e-05
1318	310	-0.03	0.10	-0.41	-9.65e-05	0.0	1.35e-05
1319	28	-0.55	0.31	-0.84	-1.96e-04	0.0	5.66e-05
1319	43	-0.85	0.27	-0.72	-1.55e-04	0.0	4.62e-05
1319	68	-0.05	0.95	-0.69	-3.07e-04	0.0	4.14e-05
1319	123	-6.15	1.83	-0.91	-4.92e-04	0.0	9.85e-05
1319	137	0.60	7.27	-0.28	-1.73e-03	0.0	2.13e-05
1319	155	-6.91	2.06	-0.97	-5.44e-04	0.0	1.07e-04
1319	169	0.67	8.21	-0.27	-1.94e-03	0.0	2.04e-05
1319	187	-6.80	2.14	-0.96	-5.62e-04	0.0	1.06e-04
1319	201	0.68	8.42	-0.27	-1.99e-03	0.0	2.35e-05
1319	219	-7.90	2.56	-1.04	-6.58e-04	0.0	1.19e-04
1319	233	0.81	10.00	-0.24	-2.35e-03	0.0	2.35e-05
1319	256	-0.37	0.22	-0.58	-1.36e-04	0.0	3.95e-05
1319	263	-0.57	0.19	-0.50	-1.09e-04	0.0	3.26e-05
1319	276	-0.04	0.64	-0.48	-2.10e-04	0.0	2.94e-05
1319	298	-0.05	0.16	-0.46	-1.10e-04	0.0	3.14e-05
1319	305	-0.15	0.16	-0.44	-1.04e-04	0.0	3.01e-05
1319	307	-0.04	0.25	-0.43	-1.22e-04	0.0	2.89e-05
1319	310	-0.05	0.15	-0.44	-1.04e-04	0.0	2.98e-05
1320	28	-0.62	0.42	-0.88	-2.13e-04	0.0	8.24e-05
1320	43	-0.94	0.35	-0.76	-1.72e-04	0.0	6.87e-05
1320	68	-0.07	1.12	-0.73	-3.16e-04	0.0	6.14e-05
1320	123	-6.85	2.09	-0.94	-5.94e-04	0.0	3.57e-05
1320	137	0.66	8.19	-0.31	-1.71e-03	0.0	3.00e-05
1320	155	-7.69	2.35	-0.99	-6.58e-04	0.0	3.48e-05
1320	169	0.75	9.24	-0.29	-1.92e-03	0.0	2.85e-05
1320	187	-7.57	2.44	-0.99	-6.77e-04	0.0	3.44e-05
1320	201	0.75	9.48	-0.30	-1.97e-03	0.0	3.14e-05
1320	219	-8.79	2.90	-1.07	-7.91e-04	0.0	3.20e-05
1320	233	0.89	11.25	-0.27	-2.32e-03	0.0	3.04e-05
1320	256	-0.41	0.29	-0.62	-1.47e-04	0.0	5.74e-05
1320	263	-0.63	0.25	-0.53	-1.20e-04	0.0	4.83e-05
1320	276	-0.05	0.76	-0.52	-2.16e-04	0.0	4.35e-05
1320	298	-0.06	0.22	-0.49	-1.18e-04	0.0	4.46e-05
1320	305	-0.17	0.21	-0.47	-1.11e-04	0.0	4.32e-05
1320	307	-0.05	0.31	-0.46	-1.29e-04	0.0	4.14e-05
1320	310	-0.06	0.21	-0.46	-1.11e-04	0.0	4.24e-05
1321	28	-0.68	0.59	-0.67	-2.30e-04	-1.46e-04	9.58e-05
1321	44	-1.03	0.52	-0.60	-2.02e-04	-1.84e-04	8.77e-05
1321	68	-0.08	1.32	-0.57	-3.25e-04	-5.81e-05	7.17e-05
1321	123	-7.51	2.37	-0.49	-4.92e-04	-1.28e-03	1.16e-04
1321	128	-7.31	-2.43	-0.54	3.67e-04	-1.25e-03	8.96e-05
1321	137	2.26	9.05	-0.24	-1.68e-03	3.50e-04	4.80e-05

1321	155	-8.43	2.65	-0.51	-5.42e-04	-1.44e-03	1.24e-04
1321	160	-8.21	-2.78	-0.56	4.31e-04	-1.40e-03	9.45e-05
1321	169	2.55	10.20	-0.22	-1.89e-03	3.97e-04	4.82e-05
1321	187	-8.30	2.76	-0.50	-5.61e-04	-1.41e-03	1.23e-04
1321	192	-8.07	-2.86	-0.56	4.44e-04	-1.38e-03	9.15e-05
1321	201	2.47	10.47	-0.22	-1.94e-03	3.85e-04	5.27e-05
1321	219	-9.63	3.27	-0.53	-6.53e-04	-1.64e-03	1.36e-04
1321	224	-9.36	-3.46	-0.59	5.51e-04	-1.59e-03	9.79e-05
1321	233	2.88	12.40	-0.19	-2.28e-03	4.54e-04	5.51e-05
1321	256	-0.46	0.41	-0.47	-1.59e-04	-9.93e-05	6.67e-05
1321	264	-0.69	0.36	-0.42	-1.41e-04	-1.25e-04	6.13e-05
1321	276	-0.06	0.90	-0.40	-2.22e-04	-4.10e-05	5.07e-05
1321	298	-0.08	0.32	-0.38	-1.25e-04	-4.22e-05	5.11e-05
1321	305	-0.19	0.30	-0.36	-1.19e-04	-5.61e-05	4.97e-05
1321	307	-0.07	0.41	-0.36	-1.35e-04	-3.93e-05	4.75e-05
1321	310	-0.07	0.30	-0.36	-1.17e-04	-4.00e-05	4.85e-05
1322	44	-1.04	0.60	-0.26	-1.93e-04	0.0	-9.29e-05
1322	52	-0.14	1.04	-0.35	-3.07e-04	0.0	-8.41e-05
1322	68	-0.10	1.28	-0.33	-3.33e-04	0.0	-8.42e-05
1322	123	-7.47	3.05	-0.04	-5.54e-04	0.0	-9.00e-05
1322	129	0.03	9.08	-0.47	-1.86e-03	0.0	-1.16e-04
1322	141	1.23	8.20	-0.50	-1.73e-03	0.0	-2.67e-04
1322	155	-8.39	3.42	-0.03	-6.13e-04	0.0	-9.66e-05
1322	161	0.04	10.25	-0.51	-2.09e-03	0.0	-1.26e-04
1322	173	1.40	9.24	-0.54	-1.94e-03	0.0	-2.98e-04
1322	187	-8.25	3.52	-0.03	-6.33e-04	0.0	-9.61e-05
1322	193	0.04	10.63	-0.52	-2.16e-03	0.0	-1.28e-04
1322	205	1.40	9.49	-0.54	-1.99e-03	0.0	-3.03e-04
1322	219	-9.58	4.18	-0.01	-7.41e-04	0.0	-1.07e-04
1322	225	0.05	12.75	-0.59	-2.58e-03	0.0	-1.47e-04
1322	237	1.65	11.24	-0.61	-2.35e-03	0.0	-3.53e-04
1322	264	-0.70	0.41	-0.19	-1.34e-04	0.0	-6.39e-05
1322	268	-0.10	0.71	-0.25	-2.11e-04	0.0	-5.79e-05
1322	276	-0.07	0.87	-0.23	-2.28e-04	0.0	-5.80e-05
1322	298	-0.09	0.31	-0.20	-1.23e-04	0.0	-3.88e-05
1322	305	-0.21	0.31	-0.18	-1.17e-04	0.0	-4.10e-05
1322	307	-0.08	0.40	-0.19	-1.35e-04	0.0	-3.98e-05
1322	310	-0.08	0.29	-0.19	-1.16e-04	0.0	-3.67e-05
1323	28	-0.73	0.71	-0.71	-2.21e-04	-1.85e-04	1.12e-04
1323	44	-1.10	0.63	-0.64	-1.97e-04	-2.09e-04	9.81e-05
1323	68	-0.09	1.49	-0.60	-3.12e-04	-1.05e-04	9.23e-05
1323	123	-8.21	2.62	-0.53	-4.79e-04	-1.15e-03	2.27e-05
1323	128	-8.00	-2.61	-0.57	3.61e-04	-1.05e-03	-1.18e-05
1323	137	2.47	9.88	-0.27	-1.64e-03	4.29e-05	8.76e-05
1323	155	-9.22	2.92	-0.54	-5.29e-04	-1.29e-03	1.84e-05
1323	160	-8.98	-3.00	-0.59	4.22e-04	-1.17e-03	-2.07e-05
1323	169	2.78	11.13	-0.25	-1.84e-03	5.65e-05	9.14e-05
1323	187	-9.07	3.04	-0.54	-5.46e-04	-1.27e-03	2.12e-05
1323	192	-8.83	-3.08	-0.59	4.36e-04	-1.15e-03	-2.03e-05
1323	201	2.70	11.43	-0.25	-1.89e-03	5.71e-05	9.54e-05
1323	219	-10.53	3.60	-0.57	-6.37e-04	-1.46e-03	1.72e-05
1323	224	-10.25	-3.73	-0.63	5.39e-04	-1.33e-03	-3.35e-05
1323	233	3.15	13.53	-0.22	-2.23e-03	7.91e-05	1.03e-04
1323	256	-0.49	0.49	-0.50	-1.53e-04	-1.27e-04	7.80e-05
1323	264	-0.74	0.43	-0.45	-1.37e-04	-1.43e-04	6.87e-05
1323	276	-0.06	1.01	-0.43	-2.13e-04	-7.39e-05	6.49e-05
1323	298	-0.08	0.38	-0.40	-1.18e-04	-7.05e-05	6.23e-05
1323	305	-0.21	0.36	-0.39	-1.13e-04	-8.04e-05	5.93e-05
1323	307	-0.08	0.48	-0.38	-1.29e-04	-6.66e-05	5.85e-05
1323	310	-0.08	0.36	-0.38	-1.11e-04	-6.67e-05	5.90e-05
1324	44	-1.14	0.69	-0.28	-1.93e-04	0.0	-6.31e-05
1324	52	-0.19	1.20	-0.37	-3.17e-04	0.0	-5.58e-05
1324	68	-0.15	1.45	-0.35	-3.43e-04	0.0	-5.47e-05
1324	123	-8.07	2.72	-0.05	-5.65e-04	0.0	-7.19e-05
1324	129	0.01	10.04	-0.50	-1.89e-03	0.0	-6.38e-05
1324	141	1.31	9.28	-0.52	-1.76e-03	0.0	-1.14e-04
1324	155	-9.06	3.04	-0.03	-6.24e-04	0.0	-7.75e-05
1324	161	0.03	11.32	-0.54	-2.12e-03	0.0	-6.81e-05
1324	173	1.48	10.45	-0.56	-1.98e-03	0.0	-1.25e-04
1324	187	-8.91	3.16	-0.04	-6.45e-04	0.0	-7.52e-05
1324	193	0.02	11.75	-0.55	-2.20e-03	0.0	-6.50e-05
1324	205	1.49	10.72	-0.57	-2.03e-03	0.0	-1.23e-04
1324	219	-10.34	3.75	-0.01	-7.53e-04	0.0	-8.35e-05
1324	225	0.03	14.08	-0.62	-2.62e-03	0.0	-7.25e-05
1324	237	1.75	12.69	-0.64	-2.39e-03	0.0	-1.40e-04

1324	264	-0.77	0.48	-0.20	-1.34e-04	0.0	-4.34e-05
1324	268	-0.13	0.82	-0.26	-2.18e-04	0.0	-3.85e-05
1324	276	-0.10	0.98	-0.25	-2.35e-04	0.0	-3.78e-05
1324	298	-0.12	0.38	-0.21	-1.27e-04	0.0	-2.65e-05
1324	305	-0.24	0.37	-0.19	-1.19e-04	0.0	-2.80e-05
1324	307	-0.11	0.47	-0.20	-1.40e-04	0.0	-2.69e-05
1324	310	-0.11	0.35	-0.20	-1.20e-04	0.0	-2.52e-05
1325	44	-1.04	0.64	-0.31	-1.75e-04	0.0	-7.14e-05
1325	52	-0.13	1.09	-0.39	-2.91e-04	0.0	-7.29e-05
1325	68	-0.10	1.32	-0.35	-3.16e-04	0.0	-7.29e-05
1325	123	-7.47	3.08	-0.13	-5.17e-04	0.0	-3.99e-05
1325	129	0.03	9.14	-0.35	-1.73e-03	0.0	-5.69e-05
1325	141	1.23	8.33	-0.37	-1.62e-03	0.0	-1.97e-04
1325	155	-8.39	3.45	-0.12	-5.72e-04	0.0	-4.07e-05
1325	161	0.05	10.32	-0.37	-1.94e-03	0.0	-5.92e-05
1325	173	1.40	9.38	-0.39	-1.82e-03	0.0	-2.18e-04
1325	187	-8.26	3.56	-0.12	-5.91e-04	0.0	-3.95e-05
1325	193	0.04	10.70	-0.38	-2.01e-03	0.0	-5.40e-05
1325	205	1.40	9.64	-0.39	-1.87e-03	0.0	-2.21e-04
1325	219	-9.59	4.21	-0.11	-6.90e-04	0.0	-4.06e-05
1325	225	0.05	12.83	-0.41	-2.40e-03	0.0	-5.69e-05
1325	237	1.65	11.41	-0.42	-2.20e-03	0.0	-2.55e-04
1325	264	-0.70	0.44	-0.22	-1.22e-04	0.0	-4.93e-05
1325	268	-0.09	0.74	-0.27	-1.99e-04	0.0	-5.03e-05
1325	276	-0.07	0.90	-0.25	-2.16e-04	0.0	-5.03e-05
1325	298	-0.09	0.33	-0.22	-1.16e-04	0.0	-3.41e-05
1325	305	-0.20	0.33	-0.21	-1.09e-04	0.0	-3.47e-05
1325	307	-0.08	0.42	-0.21	-1.28e-04	0.0	-3.49e-05
1325	310	-0.08	0.31	-0.21	-1.09e-04	0.0	-3.23e-05
1326	44	-1.14	0.73	-0.33	-1.61e-04	0.0	-5.03e-05
1326	52	-0.19	1.23	-0.41	-2.91e-04	0.0	-5.42e-05
1326	68	-0.15	1.48	-0.37	-3.17e-04	0.0	-5.38e-05
1326	123	-8.07	2.73	-0.14	-5.20e-04	0.0	-3.88e-05
1326	129	0.01	10.01	-0.38	-1.74e-03	0.0	-7.49e-05
1326	141	1.31	9.33	-0.39	-1.64e-03	0.0	-1.18e-04
1326	155	-9.06	3.05	-0.13	-5.76e-04	0.0	-4.05e-05
1326	161	0.03	11.30	-0.40	-1.96e-03	0.0	-8.09e-05
1326	173	1.49	10.51	-0.41	-1.85e-03	0.0	-1.29e-04
1326	187	-8.92	3.17	-0.13	-5.94e-04	0.0	-4.04e-05
1326	193	0.02	11.72	-0.40	-2.03e-03	0.0	-7.88e-05
1326	205	1.49	10.79	-0.41	-1.89e-03	0.0	-1.27e-04
1326	219	-10.35	3.75	-0.12	-6.95e-04	0.0	-4.38e-05
1326	225	0.04	14.04	-0.44	-2.43e-03	0.0	-8.95e-05
1326	237	1.76	12.77	-0.45	-2.23e-03	0.0	-1.44e-04
1326	264	-0.77	0.50	-0.24	-1.13e-04	0.0	-3.48e-05
1326	268	-0.13	0.84	-0.29	-1.99e-04	0.0	-3.74e-05
1326	276	-0.10	1.00	-0.26	-2.17e-04	0.0	-3.72e-05
1326	298	-0.12	0.39	-0.23	-1.15e-04	0.0	-2.56e-05
1326	305	-0.24	0.39	-0.22	-1.06e-04	0.0	-2.56e-05
1326	307	-0.11	0.49	-0.23	-1.27e-04	0.0	-2.61e-05
1326	310	-0.11	0.37	-0.22	-1.08e-04	0.0	-2.43e-05
1327	44	-1.04	0.67	-0.35	-1.66e-04	0.0	-2.80e-05
1327	52	-0.13	1.12	-0.42	-2.85e-04	0.0	-5.35e-05
1327	68	-0.10	1.36	-0.37	-3.09e-04	0.0	-5.39e-05
1327	123	-7.48	3.09	-0.19	-5.04e-04	0.0	-4.36e-05
1327	125	6.66	2.48	-0.29	-5.90e-04	0.0	-6.13e-05
1327	129	0.04	9.14	-0.28	-1.68e-03	0.0	-8.80e-05
1327	155	-8.40	3.45	-0.18	-5.57e-04	0.0	-4.61e-05
1327	157	7.49	2.76	-0.30	-6.53e-04	0.0	-6.59e-05
1327	161	0.05	10.31	-0.28	-1.89e-03	0.0	-9.60e-05
1327	187	-8.26	3.56	-0.18	-5.75e-04	0.0	-4.65e-05
1327	189	7.38	2.84	-0.30	-6.68e-04	0.0	-6.39e-05
1327	193	0.04	10.69	-0.29	-1.96e-03	0.0	-9.55e-05
1327	219	-9.60	4.21	-0.18	-6.72e-04	0.0	-5.13e-05
1327	221	8.59	3.32	-0.31	-7.75e-04	0.0	-7.02e-05
1327	225	0.05	12.82	-0.30	-2.34e-03	0.0	-1.10e-04
1327	264	-0.70	0.47	-0.25	-1.16e-04	0.0	-2.00e-05
1327	268	-0.09	0.76	-0.29	-1.95e-04	0.0	-3.70e-05
1327	276	-0.07	0.92	-0.26	-2.11e-04	0.0	-3.73e-05
1327	298	-0.09	0.35	-0.24	-1.13e-04	0.0	-2.51e-05
1327	305	-0.20	0.35	-0.23	-1.06e-04	0.0	-2.24e-05
1327	307	-0.08	0.44	-0.23	-1.25e-04	0.0	-2.58e-05
1327	310	-0.08	0.33	-0.23	-1.07e-04	0.0	-2.39e-05
1328	44	-1.14	0.75	-0.37	-1.40e-04	0.0	-2.24e-05
1328	52	-0.18	1.26	-0.44	-2.72e-04	0.0	-4.66e-05

1328	68	-0.14	1.51	-0.39	-2.99e-04	0.0	-4.66e-05
1328	123	-8.09	2.74	-0.20	-4.96e-04	0.0	4.26e-05
1328	125	7.16	3.37	-0.31	-5.84e-04	0.0	-5.74e-05
1328	129	0.02	9.97	-0.30	-1.67e-03	0.0	1.91e-04
1328	155	-9.08	3.05	-0.19	-5.49e-04	0.0	5.06e-05
1328	157	8.06	3.76	-0.32	-6.48e-04	0.0	-6.18e-05
1328	161	0.03	11.25	-0.30	-1.88e-03	0.0	2.18e-04
1328	187	-8.93	3.17	-0.19	-5.67e-04	0.0	4.96e-05
1328	189	7.94	3.84	-0.32	-6.62e-04	0.0	-5.90e-05
1328	193	0.03	11.66	-0.30	-1.95e-03	0.0	2.16e-04
1328	219	-10.37	3.75	-0.19	-6.64e-04	0.0	6.24e-05
1328	221	9.24	4.49	-0.33	-7.69e-04	0.0	-6.46e-05
1328	225	0.04	13.98	-0.32	-2.33e-03	0.0	2.60e-04
1328	264	-0.76	0.52	-0.27	-9.81e-05	0.0	-1.61e-05
1328	268	-0.13	0.86	-0.31	-1.86e-04	0.0	-3.22e-05
1328	276	-0.10	1.02	-0.28	-2.04e-04	0.0	-3.22e-05
1328	298	-0.11	0.41	-0.25	-1.05e-04	0.0	-2.21e-05
1328	305	-0.24	0.40	-0.24	-9.61e-05	0.0	-1.94e-05
1328	307	-0.10	0.50	-0.24	-1.17e-04	0.0	-2.26e-05
1328	310	-0.11	0.38	-0.24	-9.88e-05	0.0	-2.10e-05
1329	4	0.13	0.61	-0.43	-2.07e-04	0.0	-3.27e-05
1329	44	-1.04	0.68	-0.38	-1.69e-04	0.0	4.84e-05
1329	68	-0.10	1.38	-0.38	-3.11e-04	0.0	-2.34e-05
1329	123	-7.49	3.07	-0.22	-5.02e-04	0.0	6.39e-05
1329	137	0.70	9.12	-0.21	-1.69e-03	0.0	-6.21e-06
1329	138	2.25	-7.20	-0.27	1.25e-03	0.0	1.08e-04
1329	155	-8.41	3.43	-0.22	-5.54e-04	0.0	7.30e-05
1329	169	0.80	10.28	-0.21	-1.90e-03	0.0	-5.79e-06
1329	170	2.53	-8.20	-0.28	1.43e-03	0.0	1.22e-04
1329	187	-8.27	3.54	-0.22	-5.72e-04	0.0	7.30e-05
1329	193	0.05	10.60	-0.21	-1.94e-03	0.0	2.74e-04
1329	202	2.46	-8.43	-0.28	1.47e-03	0.0	1.16e-04
1329	219	-9.61	4.18	-0.21	-6.68e-04	0.0	8.82e-05
1329	225	0.06	12.71	-0.20	-2.32e-03	0.0	3.28e-04
1329	234	2.87	-10.09	-0.29	1.77e-03	0.0	1.35e-04
1329	244	0.08	0.42	-0.30	-1.44e-04	0.0	-2.23e-05
1329	264	-0.69	0.47	-0.27	-1.18e-04	0.0	3.18e-05
1329	276	-0.07	0.94	-0.27	-2.13e-04	0.0	-1.61e-05
1329	298	-0.08	0.36	-0.25	-1.15e-04	0.0	-8.10e-06
1329	305	-0.20	0.36	-0.24	-1.07e-04	0.0	0.0
1329	307	-0.08	0.45	-0.24	-1.26e-04	0.0	-9.19e-06
1329	310	-0.08	0.34	-0.24	-1.08e-04	0.0	-7.78e-06
1330	4	0.10	0.71	-0.46	-1.85e-04	0.0	-3.36e-05
1330	44	-1.13	0.75	-0.40	-1.37e-04	0.0	3.40e-05
1330	68	-0.13	1.53	-0.41	-2.89e-04	0.0	-2.59e-05
1330	123	-8.10	2.73	-0.24	-4.85e-04	0.0	3.77e-05
1330	137	0.74	9.96	-0.23	-1.67e-03	0.0	-6.34e-06
1330	138	2.41	-7.83	-0.29	1.26e-03	0.0	1.16e-04
1330	155	-9.10	3.04	-0.23	-5.38e-04	0.0	4.40e-05
1330	169	0.85	11.22	-0.23	-1.88e-03	0.0	-5.64e-06
1330	170	2.71	-8.91	-0.29	1.44e-03	0.0	1.31e-04
1330	187	-8.95	3.16	-0.23	-5.55e-04	0.0	4.66e-05
1330	193	0.04	11.57	-0.23	-1.92e-03	0.0	2.93e-04
1330	202	2.63	-9.17	-0.29	1.48e-03	0.0	1.25e-04
1330	219	-10.39	3.74	-0.23	-6.51e-04	0.0	5.87e-05
1330	225	0.05	13.86	-0.22	-2.29e-03	0.0	3.51e-04
1330	234	3.08	-10.98	-0.30	1.78e-03	0.0	1.46e-04
1330	244	0.06	0.49	-0.32	-1.28e-04	0.0	-2.30e-05
1330	264	-0.76	0.52	-0.29	-9.55e-05	0.0	2.21e-05
1330	276	-0.09	1.04	-0.29	-1.97e-04	0.0	-1.79e-05
1330	298	-0.11	0.42	-0.27	-1.00e-04	0.0	-1.05e-05
1330	305	-0.23	0.41	-0.26	-9.21e-05	0.0	-3.33e-06
1330	307	-0.10	0.51	-0.26	-1.12e-04	0.0	-1.13e-05
1330	310	-0.10	0.39	-0.26	-9.43e-05	0.0	-1.01e-05
1331	28	-0.69	0.70	-0.44	-2.15e-04	-1.50e-04	1.13e-04
1331	44	-1.03	0.63	-0.39	-1.86e-04	-1.81e-04	1.58e-04
1331	68	-0.09	1.39	-0.38	-3.17e-04	-6.91e-05	2.29e-05
1331	123	-7.50	3.03	-0.24	-5.03e-04	-1.24e-03	9.23e-05
1331	137	0.71	9.09	-0.13	-1.70e-03	7.97e-05	1.91e-05
1331	140	-0.86	-8.41	-0.36	1.47e-03	-1.72e-04	1.96e-05
1331	155	-8.42	3.39	-0.24	-5.55e-04	-1.38e-03	1.01e-04
1331	169	0.81	10.24	-0.11	-1.90e-03	9.53e-05	1.92e-05
1331	172	-0.96	-9.56	-0.37	1.68e-03	-1.88e-04	1.94e-05
1331	187	-8.28	3.50	-0.24	-5.73e-04	-1.36e-03	1.01e-04
1331	201	0.81	10.51	-0.11	-1.95e-03	9.61e-05	2.26e-05

1331	204	-0.96	-9.83	-0.38	1.73e-03	-1.89e-04	1.60e-05
1331	219	-9.62	4.14	-0.23	-6.69e-04	-1.57e-03	1.17e-04
1331	225	0.06	12.56	-0.09	-2.31e-03	-1.75e-05	3.67e-04
1331	236	-1.12	-11.77	-0.40	2.08e-03	-2.14e-04	1.43e-05
1331	256	-0.46	0.48	-0.31	-1.49e-04	-1.02e-04	7.61e-05
1331	264	-0.69	0.44	-0.27	-1.30e-04	-1.23e-04	1.07e-04
1331	276	-0.07	0.94	-0.27	-2.17e-04	-4.86e-05	1.63e-05
1331	298	-0.08	0.36	-0.25	-1.19e-04	-4.89e-05	2.04e-05
1331	305	-0.20	0.35	-0.24	-1.12e-04	-6.06e-05	3.63e-05
1331	307	-0.07	0.45	-0.24	-1.30e-04	-4.57e-05	1.82e-05
1331	310	-0.08	0.34	-0.24	-1.12e-04	-4.63e-05	1.93e-05
1332	28	-0.77	0.80	-0.47	-1.85e-04	-1.81e-04	1.02e-04
1332	44	-1.13	0.72	-0.42	-1.58e-04	-2.00e-04	1.39e-04
1332	68	-0.13	1.54	-0.41	-2.91e-04	-1.08e-04	2.66e-05
1332	123	-8.13	2.70	-0.26	-4.84e-04	-1.14e-03	5.05e-05
1332	137	0.75	9.93	-0.15	-1.67e-03	3.96e-05	2.31e-05
1332	140	-0.95	-9.14	-0.37	1.48e-03	-1.76e-04	1.81e-05
1332	155	-9.12	3.01	-0.26	-5.36e-04	-1.27e-03	5.46e-05
1332	169	0.86	11.19	-0.14	-1.88e-03	5.30e-05	2.34e-05
1332	172	-1.06	-10.40	-0.38	1.68e-03	-1.90e-04	1.77e-05
1332	187	-8.98	3.13	-0.26	-5.54e-04	-1.25e-03	5.73e-05
1332	201	0.86	11.48	-0.13	-1.92e-03	5.36e-05	2.56e-05
1332	204	-1.06	-10.69	-0.39	1.73e-03	-1.90e-04	1.55e-05
1332	219	-10.42	3.70	-0.26	-6.48e-04	-1.45e-03	6.61e-05
1332	225	0.06	13.70	-0.11	-2.28e-03	-6.63e-05	4.09e-04
1332	236	-1.23	-12.81	-0.41	2.08e-03	-2.12e-04	1.42e-05
1332	256	-0.52	0.55	-0.33	-1.28e-04	-1.25e-04	6.95e-05
1332	264	-0.76	0.50	-0.29	-1.10e-04	-1.37e-04	9.41e-05
1332	276	-0.09	1.05	-0.29	-1.98e-04	-7.58e-05	1.89e-05
1332	298	-0.11	0.42	-0.27	-1.02e-04	-7.24e-05	2.18e-05
1332	305	-0.23	0.41	-0.26	-9.63e-05	-8.05e-05	3.47e-05
1332	307	-0.10	0.52	-0.26	-1.14e-04	-6.83e-05	1.97e-05
1332	310	-0.10	0.40	-0.26	-9.60e-05	-6.84e-05	2.06e-05
1333	28	-0.68	0.64	-0.56	-2.26e-04	0.0	9.94e-05
1333	44	-1.03	0.56	-0.50	-2.00e-04	0.0	1.05e-04
1333	68	-0.09	1.36	-0.48	-3.20e-04	0.0	5.82e-05
1333	123	-7.50	2.41	-0.37	-4.99e-04	0.0	1.06e-04
1333	128	-6.84	-2.41	-0.42	3.68e-04	0.0	7.40e-05
1333	137	0.71	9.06	-0.21	-1.69e-03	0.0	4.64e-05
1333	155	-8.43	2.69	-0.38	-5.50e-04	0.0	1.14e-04
1333	160	-7.68	-2.76	-0.43	4.31e-04	0.0	7.78e-05
1333	169	0.81	10.21	-0.19	-1.90e-03	0.0	4.74e-05
1333	187	-8.29	2.80	-0.38	-5.68e-04	0.0	1.14e-04
1333	192	-7.57	-2.84	-0.43	4.46e-04	0.0	7.46e-05
1333	201	0.81	10.48	-0.19	-1.95e-03	0.0	5.26e-05
1333	219	-9.63	3.31	-0.39	-6.62e-04	0.0	1.27e-04
1333	224	-8.79	-3.43	-0.45	5.52e-04	0.0	7.93e-05
1333	233	0.97	12.42	-0.17	-2.29e-03	0.0	5.67e-05
1333	256	-0.46	0.44	-0.39	-1.56e-04	0.0	6.87e-05
1333	264	-0.69	0.39	-0.35	-1.39e-04	0.0	7.23e-05
1333	276	-0.06	0.92	-0.34	-2.19e-04	0.0	4.12e-05
1333	298	-0.08	0.34	-0.32	-1.21e-04	0.0	4.31e-05
1333	305	-0.20	0.33	-0.31	-1.16e-04	0.0	4.61e-05
1333	307	-0.07	0.43	-0.30	-1.32e-04	0.0	3.98e-05
1333	310	-0.07	0.32	-0.31	-1.14e-04	0.0	4.10e-05
1334	28	-0.75	0.75	-0.60	-2.06e-04	0.0	9.15e-05
1334	44	-1.12	0.66	-0.53	-1.84e-04	0.0	9.48e-05
1334	68	-0.11	1.52	-0.51	-2.99e-04	0.0	5.58e-05
1334	123	-8.17	2.66	-0.40	-4.81e-04	0.0	8.07e-05
1334	128	-7.95	-2.59	-0.44	3.73e-04	0.0	4.31e-05
1334	137	2.44	9.90	-0.23	-1.66e-03	0.0	4.91e-05
1334	155	-9.17	2.97	-0.41	-5.32e-04	0.0	8.62e-05
1334	160	-8.93	-2.97	-0.46	4.35e-04	0.0	4.36e-05
1334	169	2.75	11.15	-0.21	-1.86e-03	0.0	5.08e-05
1334	187	-9.02	3.08	-0.41	-5.49e-04	0.0	8.85e-05
1334	192	-8.78	-3.06	-0.45	4.49e-04	0.0	4.33e-05
1334	201	2.67	11.45	-0.21	-1.91e-03	0.0	5.60e-05
1334	219	-10.47	3.65	-0.42	-6.42e-04	0.0	9.91e-05
1334	224	-10.18	-3.71	-0.48	5.54e-04	0.0	4.38e-05
1334	233	3.12	13.56	-0.19	-2.25e-03	0.0	6.11e-05
1334	256	-0.50	0.52	-0.42	-1.42e-04	0.0	6.33e-05
1334	264	-0.75	0.46	-0.37	-1.28e-04	0.0	6.55e-05
1334	276	-0.08	1.03	-0.36	-2.04e-04	0.0	3.95e-05
1334	298	-0.10	0.40	-0.34	-1.09e-04	0.0	4.08e-05
1334	305	-0.22	0.38	-0.33	-1.05e-04	0.0	4.30e-05

1334	307	-0.09	0.50	-0.32	-1.20e-04	0.0	3.78e-05
1334	310	-0.09	0.38	-0.32	-1.02e-04	0.0	3.88e-05
1335	43	-1.14	0.06	-0.13	0.0	3.48e-05	-6.52e-04
1335	68	-0.04	0.82	-0.09	0.0	-6.67e-05	-1.12e-04
1335	92	-0.02	-0.12	-0.20	0.0	-8.47e-05	-6.89e-06
1335	123	-5.94	1.82	0.06	0.0	-1.24e-03	2.80e-05
1335	129	-0.87	6.97	0.55	0.0	-2.24e-04	4.01e-04
1335	140	-0.17	-6.73	-0.79	0.0	-9.96e-05	1.53e-04
1335	155	-6.68	2.05	0.08	0.0	-1.39e-03	3.51e-05
1335	161	-0.98	7.89	0.64	0.0	-2.46e-04	4.54e-04
1335	172	-0.19	-7.63	-0.88	0.0	-1.06e-04	1.75e-04
1335	187	-6.58	2.13	0.09	0.0	-1.37e-03	3.38e-05
1335	193	-1.01	8.18	0.67	0.0	-2.51e-04	4.40e-04
1335	204	-0.21	-7.85	-0.90	0.0	-1.11e-04	1.68e-04
1335	219	-7.67	2.55	0.13	0.0	-1.59e-03	4.50e-05
1335	225	-1.23	9.83	0.83	0.0	-2.94e-04	5.20e-04
1335	236	-0.24	-9.36	-1.05	0.0	-1.24e-04	2.03e-04
1335	263	-0.76	0.05	-0.10	0.0	2.06e-05	-4.37e-04
1335	276	-0.03	0.55	-0.07	0.0	-4.71e-05	-7.73e-05
1335	288	-0.01	-0.08	-0.14	0.0	-5.91e-05	-7.00e-06
1335	298	-0.02	0.13	-0.11	0.0	-5.23e-05	-2.87e-05
1335	305	-0.17	0.10	-0.10	0.0	-3.48e-05	-1.10e-04
1335	307	-0.02	0.20	-0.10	0.0	-4.78e-05	-3.72e-05
1335	310	-0.02	0.12	-0.11	0.0	-4.94e-05	-2.78e-05
1336	44	-1.20	0.20	-0.14	0.0	-1.21e-04	-5.65e-04
1336	68	-0.08	1.00	-0.09	0.0	-8.52e-05	-9.41e-05
1336	92	-0.07	-0.07	-0.20	0.0	-1.05e-04	-8.87e-06
1336	123	-6.61	2.09	0.06	0.0	-1.26e-03	1.37e-05
1336	137	0.15	7.94	0.58	0.0	-1.21e-05	-1.46e-04
1336	140	-0.24	-7.59	-0.80	0.0	-1.11e-04	9.68e-05
1336	155	-7.43	2.35	0.08	0.0	-1.41e-03	1.86e-05
1336	169	0.17	8.96	0.68	0.0	-5.72e-06	-1.61e-04
1336	172	-0.26	-8.61	-0.89	0.0	-1.17e-04	1.12e-04
1336	187	-7.32	2.44	0.09	0.0	-1.39e-03	1.83e-05
1336	193	-1.14	9.27	0.68	0.0	-2.70e-04	4.03e-04
1336	204	-0.28	-8.85	-0.92	0.0	-1.23e-04	1.04e-04
1336	219	-8.52	2.91	0.13	0.0	-1.61e-03	2.68e-05
1336	225	-1.38	11.14	0.84	0.0	-3.13e-04	4.77e-04
1336	236	-0.32	-10.57	-1.07	0.0	-1.36e-04	1.27e-04
1336	264	-0.81	0.14	-0.10	0.0	-8.40e-05	-3.79e-04
1336	276	-0.05	0.67	-0.07	0.0	-6.00e-05	-6.49e-05
1336	288	-0.05	-0.04	-0.14	0.0	-7.32e-05	-8.01e-06
1336	298	-0.05	0.19	-0.11	0.0	-6.53e-05	-2.56e-05
1336	305	-0.20	0.16	-0.11	0.0	-6.46e-05	-9.51e-05
1336	307	-0.05	0.27	-0.10	0.0	-5.98e-05	-3.24e-05
1336	310	-0.05	0.18	-0.11	0.0	-6.16e-05	-2.48e-05
1337	28	-0.67	0.53	-0.95	-2.25e-04	0.0	9.82e-05
1337	44	-1.02	0.47	-0.86	-1.97e-04	0.0	8.86e-05
1337	68	-0.07	1.28	-0.79	-3.20e-04	0.0	7.56e-05
1337	123	-7.48	2.33	-0.95	-5.93e-04	0.0	-3.34e-06
1337	137	0.72	9.04	-0.45	-1.67e-03	0.0	4.74e-05
1337	155	-8.41	2.60	-1.01	-6.56e-04	0.0	-9.84e-06
1337	169	0.82	10.19	-0.45	-1.88e-03	0.0	4.71e-05
1337	187	-8.27	2.70	-1.00	-6.73e-04	0.0	-7.46e-06
1337	201	0.82	10.46	-0.45	-1.92e-03	0.0	5.04e-05
1337	219	-9.61	3.22	-1.08	-7.86e-04	0.0	-1.76e-05
1337	233	0.98	12.40	-0.44	-2.27e-03	0.0	5.14e-05
1337	256	-0.45	0.37	-0.66	-1.55e-04	0.0	6.84e-05
1337	264	-0.68	0.33	-0.60	-1.37e-04	0.0	6.20e-05
1337	276	-0.05	0.86	-0.56	-2.19e-04	0.0	5.34e-05
1337	298	-0.07	0.28	-0.52	-1.22e-04	0.0	5.32e-05
1337	305	-0.19	0.27	-0.51	-1.16e-04	0.0	5.13e-05
1337	307	-0.06	0.38	-0.50	-1.33e-04	0.0	4.96e-05
1337	310	-0.07	0.27	-0.50	-1.15e-04	0.0	5.05e-05
1338	28	-0.67	0.65	-1.04	-2.35e-04	0.0	1.05e-04
1338	43	-1.06	0.54	-0.88	-1.96e-04	0.0	8.62e-05
1338	68	-0.02	1.44	-0.89	-3.23e-04	0.0	8.37e-05
1338	123	-8.29	3.19	-0.96	-5.66e-04	0.0	-2.52e-05
1338	137	2.54	9.87	-0.52	-1.62e-03	0.0	6.25e-05
1338	155	-9.31	3.57	-1.01	-6.26e-04	0.0	-3.50e-05
1338	169	2.86	11.13	-0.52	-1.81e-03	0.0	6.37e-05
1338	187	-9.16	3.68	-1.00	-6.43e-04	0.0	-3.33e-05
1338	201	2.78	11.42	-0.52	-1.86e-03	0.0	6.74e-05
1338	219	-10.64	4.36	-1.08	-7.49e-04	0.0	-4.87e-05
1338	233	3.23	13.53	-0.51	-2.19e-03	0.0	7.10e-05

1338	256	-0.45	0.45	-0.73	-1.63e-04	0.0	7.28e-05
1338	263	-0.71	0.38	-0.62	-1.37e-04	0.0	6.05e-05
1338	276	-0.02	0.97	-0.62	-2.21e-04	0.0	5.89e-05
1338	298	-0.04	0.35	-0.58	-1.26e-04	0.0	5.72e-05
1338	305	-0.17	0.33	-0.56	-1.21e-04	0.0	5.48e-05
1338	307	-0.04	0.45	-0.55	-1.36e-04	0.0	5.36e-05
1338	310	-0.04	0.32	-0.55	-1.19e-04	0.0	5.42e-05
1339	28	-0.86	0.82	-0.77	-2.07e-04	-2.33e-04	7.37e-05
1339	44	-1.23	0.72	-0.69	-1.86e-04	-2.41e-04	6.64e-05
1339	68	-0.18	1.64	-0.66	-2.95e-04	-1.60e-04	5.74e-05
1339	123	-8.70	2.86	-0.57	-4.63e-04	-9.68e-04	3.88e-05
1339	128	-7.93	-2.78	-0.61	3.56e-04	-8.65e-04	-3.95e-06
1339	137	0.77	10.69	-0.31	-1.60e-03	-4.28e-05	5.02e-05
1339	155	-9.76	3.18	-0.59	-5.12e-04	-1.08e-03	3.94e-05
1339	160	-8.90	-3.20	-0.63	4.16e-04	-9.60e-04	-9.05e-06
1339	169	0.88	12.04	-0.29	-1.79e-03	-3.63e-05	5.19e-05
1339	187	-9.60	3.31	-0.59	-5.29e-04	-1.06e-03	4.23e-05
1339	192	-8.77	-3.29	-0.63	4.29e-04	-9.46e-04	-8.63e-06
1339	201	0.89	12.36	-0.29	-1.84e-03	-3.80e-05	5.42e-05
1339	219	-11.15	3.91	-0.61	-6.17e-04	-1.22e-03	4.60e-05
1339	224	-10.17	-3.99	-0.66	5.30e-04	-1.08e-03	-1.60e-05
1339	233	1.07	14.63	-0.27	-2.17e-03	-2.84e-05	5.77e-05
1339	256	-0.58	0.56	-0.54	-1.43e-04	-1.61e-04	5.12e-05
1339	264	-0.83	0.50	-0.48	-1.29e-04	-1.66e-04	4.63e-05
1339	276	-0.13	1.11	-0.46	-2.02e-04	-1.12e-04	4.03e-05
1339	298	-0.14	0.44	-0.44	-1.09e-04	-1.03e-04	3.93e-05
1339	305	-0.27	0.42	-0.42	-1.05e-04	-1.09e-04	3.79e-05
1339	307	-0.13	0.54	-0.41	-1.20e-04	-9.82e-05	3.67e-05
1339	310	-0.14	0.41	-0.41	-1.02e-04	-9.77e-05	3.71e-05
1340	44	-1.26	0.79	-0.30	-1.92e-04	0.0	-2.37e-05
1340	52	-0.27	1.36	-0.40	-3.23e-04	0.0	-2.35e-05
1340	68	-0.21	1.63	-0.37	-3.49e-04	0.0	-2.31e-05
1340	123	-8.61	3.01	-0.06	-5.64e-04	0.0	7.97e-05
1340	129	-0.03	10.98	-0.53	-1.88e-03	0.0	2.79e-04
1340	141	1.35	10.16	-0.55	-1.76e-03	0.0	-9.35e-05
1340	155	-9.66	3.36	-0.04	-6.23e-04	0.0	9.12e-05
1340	161	-0.02	12.38	-0.57	-2.11e-03	0.0	3.16e-04
1340	173	1.54	11.44	-0.60	-1.97e-03	0.0	-1.04e-04
1340	187	-9.51	3.49	-0.05	-6.44e-04	0.0	9.17e-05
1340	193	-0.02	12.84	-0.58	-2.19e-03	0.0	3.19e-04
1340	205	1.54	11.74	-0.60	-2.02e-03	0.0	-9.97e-05
1340	219	-11.03	4.13	-0.02	-7.52e-04	0.0	1.11e-04
1340	225	-0.01	15.39	-0.65	-2.61e-03	0.0	3.83e-04
1340	237	1.83	13.89	-0.68	-2.38e-03	0.0	-1.14e-04
1340	264	-0.85	0.55	-0.22	-1.34e-04	0.0	-1.63e-05
1340	268	-0.19	0.93	-0.28	-2.21e-04	0.0	-1.62e-05
1340	276	-0.15	1.10	-0.26	-2.39e-04	0.0	-1.59e-05
1340	298	-0.16	0.44	-0.22	-1.29e-04	0.0	-1.11e-05
1340	305	-0.29	0.43	-0.21	-1.21e-04	0.0	-1.14e-05
1340	307	-0.15	0.54	-0.22	-1.42e-04	0.0	-1.13e-05
1340	310	-0.15	0.42	-0.21	-1.22e-04	0.0	-1.06e-05
1341	28	-1.01	0.91	-0.88	-2.57e-04	-4.11e-04	1.93e-05
1341	44	-1.38	0.81	-0.78	-2.27e-04	-3.66e-04	2.26e-05
1341	68	-0.30	1.78	-0.76	-3.04e-04	-3.59e-04	8.06e-06
1341	123	-9.11	3.08	-0.64	-3.70e-04	-3.75e-04	7.14e-05
1341	128	-8.30	-2.96	-0.67	1.70e-04	-3.09e-04	-3.73e-05
1341	137	0.73	11.46	-0.38	-1.11e-03	-2.92e-04	1.80e-04
1341	155	-10.21	3.43	-0.66	-4.01e-04	-3.95e-04	8.02e-05
1341	160	-9.30	-3.40	-0.69	2.10e-04	-3.20e-04	-4.26e-05
1341	169	0.84	12.91	-0.37	-1.24e-03	-3.02e-04	2.02e-04
1341	187	-10.05	3.56	-0.66	-4.12e-04	-3.94e-04	8.39e-05
1341	192	-9.17	-3.50	-0.69	2.18e-04	-3.17e-04	-4.04e-05
1341	201	0.85	13.25	-0.37	-1.27e-03	-3.06e-04	1.99e-04
1341	219	-11.65	4.21	-0.69	-4.70e-04	-4.24e-04	1.00e-04
1341	224	-10.63	-4.25	-0.73	2.85e-04	-3.32e-04	-4.80e-05
1341	233	1.04	15.68	-0.35	-1.49e-03	-3.23e-04	2.32e-04
1341	256	-0.68	0.63	-0.62	-1.79e-04	-2.86e-04	1.32e-05
1341	264	-0.93	0.56	-0.55	-1.59e-04	-2.56e-04	1.54e-05
1341	276	-0.21	1.21	-0.53	-2.10e-04	-2.52e-04	5.75e-06
1341	298	-0.22	0.48	-0.50	-1.41e-04	-2.27e-04	6.50e-06
1341	305	-0.34	0.47	-0.48	-1.34e-04	-2.18e-04	7.79e-06
1341	307	-0.20	0.59	-0.47	-1.45e-04	-2.17e-04	5.85e-06
1341	310	-0.20	0.46	-0.47	-1.34e-04	-2.16e-04	6.12e-06
1342	44	-1.38	0.89	-0.34	-2.89e-04	-1.64e-04	2.65e-05
1342	52	-0.36	1.53	-0.44	-3.69e-04	-1.44e-04	1.20e-05

1342	68	-0.30	1.80	-0.41	-3.63e-04	-1.13e-04	8.03e-06
1342	123	-9.11	3.29	-0.08	-4.49e-04	-2.16e-04	1.00e-04
1342	129	-0.09	11.89	-0.56	-1.32e-03	2.03e-04	3.11e-04
1342	141	1.37	11.02	-0.58	-1.22e-03	2.26e-04	-7.19e-05
1342	155	-10.21	3.67	-0.06	-4.87e-04	-2.31e-04	1.12e-04
1342	161	-0.08	13.41	-0.60	-1.48e-03	2.41e-04	3.50e-04
1342	173	1.57	12.40	-0.63	-1.36e-03	2.66e-04	-8.15e-05
1342	187	-10.05	3.81	-0.07	-5.01e-04	-2.25e-04	1.12e-04
1342	193	-0.09	13.91	-0.61	-1.52e-03	2.51e-04	3.53e-04
1342	205	1.57	12.73	-0.64	-1.39e-03	2.73e-04	-7.56e-05
1342	219	-11.65	4.51	-0.04	-5.71e-04	-2.44e-04	1.32e-04
1342	225	-0.08	16.67	-0.69	-1.80e-03	3.18e-04	4.19e-04
1342	237	1.87	15.05	-0.71	-1.63e-03	3.39e-04	-8.82e-05
1342	264	-0.93	0.61	-0.24	-2.02e-04	-1.13e-04	1.82e-05
1342	268	-0.25	1.04	-0.31	-2.55e-04	-1.00e-04	8.54e-06
1342	276	-0.21	1.23	-0.29	-2.51e-04	-7.93e-05	5.90e-06
1342	298	-0.22	0.51	-0.25	-1.75e-04	-8.82e-05	8.47e-06
1342	305	-0.35	0.49	-0.23	-1.68e-04	-8.70e-05	9.82e-06
1342	307	-0.20	0.62	-0.24	-1.78e-04	-8.02e-05	7.36e-06
1342	310	-0.21	0.48	-0.24	-1.66e-04	-8.33e-05	8.05e-06
1343	44	-1.25	0.80	-0.36	-1.52e-04	0.0	-1.82e-05
1343	52	-0.26	1.38	-0.44	-2.90e-04	0.0	-2.59e-05
1343	68	-0.21	1.64	-0.40	-3.18e-04	0.0	-2.66e-05
1343	123	-8.61	3.00	-0.15	-5.21e-04	0.0	6.27e-05
1343	129	-0.03	10.89	-0.40	-1.75e-03	0.0	2.37e-04
1343	141	1.35	10.16	-0.41	-1.65e-03	0.0	-7.48e-05
1343	155	-9.66	3.34	-0.14	-5.76e-04	0.0	7.19e-05
1343	161	-0.01	12.28	-0.42	-1.97e-03	0.0	2.68e-04
1343	173	1.54	11.44	-0.44	-1.86e-03	0.0	-8.21e-05
1343	187	-9.51	3.47	-0.15	-5.95e-04	0.0	7.15e-05
1343	193	-0.02	12.74	-0.43	-2.04e-03	0.0	2.68e-04
1343	205	1.54	11.74	-0.44	-1.91e-03	0.0	-7.48e-05
1343	219	-11.04	4.11	-0.13	-6.96e-04	0.0	8.67e-05
1343	225	-0.01	15.26	-0.47	-2.44e-03	0.0	3.21e-04
1343	237	1.83	13.89	-0.48	-2.25e-03	0.0	-8.29e-05
1343	264	-0.84	0.55	-0.26	-1.06e-04	0.0	-1.27e-05
1343	268	-0.18	0.94	-0.31	-1.99e-04	0.0	-1.78e-05
1343	276	-0.15	1.11	-0.28	-2.17e-04	0.0	-1.83e-05
1343	298	-0.16	0.45	-0.25	-1.13e-04	0.0	-1.16e-05
1343	305	-0.29	0.44	-0.24	-1.04e-04	0.0	-1.10e-05
1343	307	-0.15	0.55	-0.24	-1.26e-04	0.0	-1.22e-05
1343	310	-0.15	0.42	-0.24	-1.06e-04	0.0	-1.11e-05
1344	44	-1.38	0.87	-0.42	-2.87e-04	-1.52e-04	2.58e-05
1344	52	-0.36	1.52	-0.51	-3.57e-04	-1.37e-04	1.22e-05
1344	68	-0.30	1.80	-0.46	-3.50e-04	-1.07e-04	8.64e-06
1344	123	-9.11	3.26	-0.18	-4.43e-04	-1.92e-04	6.07e-05
1344	129	-0.09	11.76	-0.44	-1.30e-03	1.55e-04	3.20e-04
1344	141	1.37	10.99	-0.46	-1.20e-03	1.75e-04	-6.52e-05
1344	155	-10.21	3.64	-0.17	-4.81e-04	-2.05e-04	6.77e-05
1344	161	-0.08	13.27	-0.47	-1.45e-03	1.86e-04	3.60e-04
1344	173	1.57	12.37	-0.48	-1.34e-03	2.08e-04	-7.41e-05
1344	187	-10.05	3.78	-0.18	-4.95e-04	-2.00e-04	7.06e-05
1344	193	-0.09	13.76	-0.47	-1.50e-03	1.95e-04	3.64e-04
1344	205	1.57	12.69	-0.49	-1.37e-03	2.14e-04	-6.99e-05
1344	219	-11.66	4.47	-0.16	-5.64e-04	-2.17e-04	8.41e-05
1344	225	-0.08	16.48	-0.51	-1.78e-03	2.50e-04	4.33e-04
1344	237	1.87	15.02	-0.52	-1.60e-03	2.68e-04	-8.23e-05
1344	264	-0.93	0.60	-0.30	-2.00e-04	-1.05e-04	1.77e-05
1344	268	-0.25	1.04	-0.36	-2.47e-04	-9.49e-05	8.62e-06
1344	276	-0.21	1.22	-0.33	-2.42e-04	-7.54e-05	6.24e-06
1344	298	-0.22	0.50	-0.29	-1.70e-04	-8.29e-05	8.10e-06
1344	305	-0.35	0.49	-0.27	-1.64e-04	-8.15e-05	9.41e-06
1344	307	-0.20	0.61	-0.28	-1.72e-04	-7.56e-05	7.13e-06
1344	310	-0.20	0.47	-0.28	-1.61e-04	-7.82e-05	7.66e-06
1345	44	-1.25	0.81	-0.41	-1.21e-04	0.0	-5.54e-06
1345	52	-0.26	1.39	-0.48	-2.61e-04	0.0	-2.55e-05
1345	68	-0.21	1.65	-0.43	-2.90e-04	0.0	-2.64e-05
1345	123	-8.62	2.99	-0.22	-4.90e-04	0.0	3.04e-05
1345	125	7.56	3.65	-0.34	-5.79e-04	0.0	-1.19e-05
1345	137	0.74	10.80	-0.32	-1.69e-03	0.0	-2.81e-06
1345	155	-9.67	3.33	-0.21	-5.43e-04	0.0	3.59e-05
1345	157	8.52	4.07	-0.35	-6.43e-04	0.0	-1.19e-05
1345	161	-0.01	12.18	-0.33	-1.88e-03	0.0	2.85e-04
1345	187	-9.52	3.46	-0.21	-5.61e-04	0.0	3.79e-05
1345	189	8.39	4.17	-0.35	-6.57e-04	0.0	-1.11e-05

1345	193	-0.02	12.63	-0.33	-1.94e-03	0.0	2.86e-04
1345	219	-11.05	4.09	-0.21	-6.58e-04	0.0	4.85e-05
1345	221	9.78	4.87	-0.36	-7.65e-04	0.0	-1.08e-05
1345	225	-7.20e-03	15.14	-0.34	-2.32e-03	0.0	3.43e-04
1345	264	-0.84	0.56	-0.29	-8.48e-05	0.0	-4.30e-06
1345	268	-0.18	0.95	-0.34	-1.78e-04	0.0	-1.76e-05
1345	276	-0.15	1.12	-0.30	-1.98e-04	0.0	-1.82e-05
1345	298	-0.16	0.45	-0.28	-9.84e-05	0.0	-1.16e-05
1345	305	-0.29	0.44	-0.26	-8.85e-05	0.0	-9.36e-06
1345	307	-0.15	0.56	-0.27	-1.11e-04	0.0	-1.21e-05
1345	310	-0.15	0.43	-0.26	-9.24e-05	0.0	-1.10e-05
1346	44	-1.38	0.86	-0.48	-2.84e-04	-1.42e-04	2.48e-05
1346	52	-0.36	1.51	-0.56	-3.41e-04	-1.32e-04	1.25e-05
1346	68	-0.30	1.79	-0.50	-3.35e-04	-1.05e-04	9.12e-06
1346	123	-9.11	3.23	-0.26	-4.30e-04	-1.74e-04	6.62e-05
1346	125	7.89	3.93	-0.38	-4.89e-04	1.12e-04	-2.78e-06
1346	137	0.73	11.64	-0.37	-1.24e-03	1.13e-04	0.0
1346	155	-10.21	3.60	-0.25	-4.67e-04	-1.86e-04	7.41e-05
1346	157	8.89	4.39	-0.39	-5.33e-04	1.36e-04	-4.17e-06
1346	161	-0.08	13.11	-0.38	-1.41e-03	1.25e-04	3.68e-04
1346	187	-10.05	3.73	-0.25	-4.80e-04	-1.82e-04	7.73e-05
1346	189	8.76	4.49	-0.39	-5.41e-04	1.35e-04	-4.56e-06
1346	193	-0.09	13.60	-0.38	-1.46e-03	1.32e-04	3.72e-04
1346	219	-11.66	4.42	-0.25	-5.48e-04	-1.97e-04	9.21e-05
1346	221	10.22	5.25	-0.41	-6.14e-04	1.70e-04	-6.92e-06
1346	225	-0.08	16.29	-0.39	-1.72e-03	1.73e-04	4.43e-04
1346	264	-0.93	0.59	-0.34	-1.97e-04	-9.87e-05	1.70e-05
1346	268	-0.25	1.03	-0.40	-2.35e-04	-9.15e-05	8.78e-06
1346	276	-0.21	1.22	-0.35	-2.32e-04	-7.41e-05	6.54e-06
1346	298	-0.22	0.50	-0.32	-1.62e-04	-7.91e-05	8.02e-06
1346	305	-0.35	0.48	-0.31	-1.57e-04	-7.75e-05	9.21e-06
1346	307	-0.20	0.61	-0.31	-1.64e-04	-7.26e-05	7.12e-06
1346	310	-0.20	0.47	-0.31	-1.54e-04	-7.46e-05	7.57e-06
1347	4	0.03	0.79	-0.51	-1.62e-04	0.0	-2.24e-05
1347	44	-1.25	0.81	-0.44	-1.07e-04	0.0	2.35e-05
1347	68	-0.21	1.67	-0.45	-2.68e-04	0.0	-1.78e-05
1347	123	-8.64	2.97	-0.26	-4.69e-04	0.0	4.71e-05
1347	137	0.75	10.79	-0.25	-1.65e-03	0.0	-6.74e-06
1347	138	2.52	-8.46	-0.31	1.27e-03	0.0	1.36e-04
1347	155	-9.69	3.31	-0.26	-5.21e-04	0.0	5.43e-05
1347	169	0.86	12.15	-0.25	-1.86e-03	0.0	-6.63e-06
1347	170	2.85	-9.63	-0.32	1.45e-03	0.0	1.53e-04
1347	187	-9.54	3.43	-0.26	-5.39e-04	0.0	5.72e-05
1347	193	-0.01	12.51	-0.25	-1.89e-03	0.0	3.28e-04
1347	202	2.76	-9.91	-0.32	1.49e-03	0.0	1.47e-04
1347	219	-11.06	4.06	-0.25	-6.34e-04	0.0	7.08e-05
1347	225	-1.38e-03	14.99	-0.24	-2.26e-03	0.0	3.92e-04
1347	234	3.23	-11.87	-0.32	1.78e-03	0.0	1.72e-04
1347	244	0.01	0.55	-0.36	-1.12e-04	0.0	-1.53e-05
1347	264	-0.84	0.56	-0.31	-7.52e-05	0.0	1.53e-05
1347	276	-0.14	1.13	-0.31	-1.82e-04	0.0	-1.23e-05
1347	298	-0.16	0.46	-0.29	-8.63e-05	0.0	-6.93e-06
1347	305	-0.28	0.45	-0.28	-7.77e-05	0.0	-2.08e-06
1347	307	-0.14	0.56	-0.28	-9.91e-05	0.0	-7.59e-06
1347	310	-0.15	0.43	-0.28	-8.09e-05	0.0	-6.66e-06
1348	44	-1.38	0.84	-0.52	-2.81e-04	-1.54e-04	2.49e-05
1348	52	-0.36	1.51	-0.59	-3.27e-04	-1.50e-04	1.33e-05
1348	68	-0.30	1.79	-0.52	-3.23e-04	-1.25e-04	1.00e-05
1348	123	-9.11	3.19	-0.31	-4.13e-04	-1.82e-04	6.87e-05
1348	137	0.73	11.60	-0.30	-1.20e-03	4.48e-05	-2.37e-06
1348	138	2.60	-9.10	-0.36	7.52e-04	-1.49e-04	1.71e-04
1348	155	-10.21	3.56	-0.31	-4.49e-04	-1.94e-04	7.68e-05
1348	169	0.84	13.06	-0.30	-1.34e-03	6.15e-05	-3.72e-06
1348	170	2.95	-10.36	-0.36	8.70e-04	-1.58e-04	1.91e-04
1348	187	-10.05	3.69	-0.31	-4.61e-04	-1.91e-04	8.02e-05
1348	193	-0.09	13.44	-0.30	-1.40e-03	5.53e-05	3.80e-04
1348	202	2.86	-10.65	-0.36	8.96e-04	-1.61e-04	1.87e-04
1348	219	-11.66	4.37	-0.30	-5.27e-04	-2.07e-04	9.55e-05
1348	225	-0.08	16.10	-0.29	-1.66e-03	8.28e-05	4.52e-04
1348	234	3.35	-12.76	-0.37	1.09e-03	-1.77e-04	2.17e-04
1348	264	-0.93	0.59	-0.37	-1.96e-04	-1.07e-04	1.71e-05
1348	268	-0.25	1.03	-0.42	-2.26e-04	-1.05e-04	9.36e-06
1348	276	-0.21	1.21	-0.37	-2.23e-04	-8.75e-05	7.15e-06
1348	298	-0.22	0.50	-0.34	-1.55e-04	-8.83e-05	8.37e-06
1348	305	-0.35	0.48	-0.33	-1.52e-04	-8.62e-05	9.48e-06

1348	307	-0.20	0.60	-0.33	-1.57e-04	-8.22e-05	7.50e-06
1348	310	-0.20	0.47	-0.33	-1.47e-04	-8.35e-05	7.90e-06
1349	28	-0.88	0.89	-0.52	-1.46e-04	-2.15e-04	7.08e-05
1349	44	-1.25	0.80	-0.46	-1.23e-04	-2.20e-04	9.57e-05
1349	68	-0.20	1.68	-0.45	-2.57e-04	-1.49e-04	1.86e-05
1349	123	-8.65	2.94	-0.29	-4.60e-04	-1.02e-03	4.80e-05
1349	137	0.75	10.76	-0.18	-1.64e-03	-1.58e-05	1.09e-05
1349	140	-1.04	-9.88	-0.39	1.48e-03	-1.67e-04	1.80e-05
1349	155	-9.71	3.28	-0.29	-5.11e-04	-1.14e-03	5.26e-05
1349	169	0.86	12.12	-0.17	-1.84e-03	-6.58e-06	1.04e-05
1349	172	-1.15	-11.24	-0.40	1.69e-03	-1.76e-04	1.86e-05
1349	187	-9.55	3.40	-0.29	-5.29e-04	-1.12e-03	5.56e-05
1349	201	0.87	12.44	-0.17	-1.89e-03	-7.26e-06	1.17e-05
1349	204	-1.16	-11.56	-0.40	1.74e-03	-1.75e-04	1.72e-05
1349	219	-11.08	4.02	-0.29	-6.23e-04	-1.29e-03	6.55e-05
1349	225	5.72e-03	14.83	-0.15	-2.24e-03	-1.26e-04	4.41e-04
1349	236	-1.34	-13.84	-0.43	2.08e-03	-1.90e-04	1.77e-05
1349	256	-0.59	0.61	-0.36	-1.01e-04	-1.48e-04	4.80e-05
1349	264	-0.84	0.55	-0.32	-8.55e-05	-1.52e-04	6.45e-05
1349	276	-0.14	1.14	-0.32	-1.75e-04	-1.04e-04	1.32e-05
1349	298	-0.15	0.47	-0.30	-8.09e-05	-9.67e-05	1.54e-05
1349	305	-0.28	0.45	-0.29	-7.58e-05	-1.01e-04	2.41e-05
1349	307	-0.14	0.57	-0.28	-9.37e-05	-9.17e-05	1.38e-05
1349	310	-0.15	0.44	-0.29	-7.58e-05	-9.14e-05	1.45e-05
1350	28	-1.01	0.93	-0.61	-2.94e-04	-2.21e-04	2.04e-05
1350	44	-1.38	0.83	-0.54	-2.76e-04	-2.00e-04	2.31e-05
1350	68	-0.30	1.78	-0.53	-3.15e-04	-1.78e-04	9.11e-06
1350	123	-9.11	3.16	-0.35	-3.98e-04	-2.25e-04	6.96e-05
1350	137	0.73	11.55	-0.24	-1.16e-03	-4.51e-05	-7.38e-06
1350	144	-1.78	-9.96	-0.43	8.15e-04	-1.87e-04	9.44e-05
1350	155	-10.21	3.52	-0.35	-4.32e-04	-2.39e-04	7.80e-05
1350	169	0.84	13.01	-0.23	-1.30e-03	-3.64e-05	-9.33e-06
1350	176	-1.98	-11.33	-0.44	9.40e-04	-1.97e-04	1.05e-04
1350	187	-10.05	3.65	-0.35	-4.44e-04	-2.36e-04	8.15e-05
1350	201	0.85	13.36	-0.23	-1.33e-03	-3.57e-05	-8.00e-06
1350	208	-1.98	-11.65	-0.44	9.68e-04	-1.97e-04	1.03e-04
1350	219	-11.66	4.32	-0.35	-5.07e-04	-2.56e-04	9.73e-05
1350	225	-0.08	15.92	-0.21	-1.59e-03	-2.81e-05	4.62e-04
1350	240	-2.28	-13.95	-0.46	1.18e-03	-2.12e-04	1.20e-04
1350	256	-0.68	0.64	-0.43	-2.04e-04	-1.54e-04	1.41e-05
1350	264	-0.93	0.58	-0.38	-1.92e-04	-1.40e-04	1.58e-05
1350	276	-0.21	1.21	-0.38	-2.18e-04	-1.25e-04	6.50e-06
1350	298	-0.22	0.49	-0.35	-1.49e-04	-1.19e-04	7.49e-06
1350	305	-0.35	0.47	-0.34	-1.47e-04	-1.15e-04	8.59e-06
1350	307	-0.20	0.60	-0.34	-1.52e-04	-1.12e-04	6.72e-06
1350	310	-0.20	0.46	-0.34	-1.42e-04	-1.13e-04	7.05e-06
1351	28	-0.87	0.84	-0.65	-1.84e-04	0.0	6.44e-05
1351	44	-1.24	0.75	-0.58	-1.67e-04	0.0	6.73e-05
1351	68	-0.19	1.66	-0.56	-2.76e-04	0.0	3.81e-05
1351	123	-8.67	2.90	-0.43	-4.62e-04	0.0	7.73e-05
1351	128	-7.91	-2.77	-0.47	3.79e-04	0.0	3.30e-05
1351	137	0.76	10.71	-0.26	-1.62e-03	0.0	3.23e-05
1351	155	-9.73	3.23	-0.44	-5.12e-04	0.0	8.40e-05
1351	160	-8.88	-3.19	-0.49	4.41e-04	0.0	3.38e-05
1351	169	0.87	12.07	-0.24	-1.82e-03	0.0	3.32e-05
1351	187	-9.58	3.35	-0.44	-5.29e-04	0.0	8.69e-05
1351	192	-8.75	-3.28	-0.49	4.55e-04	0.0	3.37e-05
1351	201	0.88	12.39	-0.24	-1.87e-03	0.0	3.71e-05
1351	219	-11.12	3.96	-0.45	-6.20e-04	0.0	9.96e-05
1351	224	-10.14	-3.98	-0.51	5.58e-04	0.0	3.49e-05
1351	233	1.06	14.66	-0.22	-2.21e-03	0.0	4.03e-05
1351	256	-0.59	0.58	-0.46	-1.27e-04	0.0	4.45e-05
1351	264	-0.83	0.52	-0.41	-1.15e-04	0.0	4.64e-05
1351	276	-0.14	1.12	-0.39	-1.88e-04	0.0	2.70e-05
1351	298	-0.15	0.45	-0.37	-9.51e-05	0.0	2.82e-05
1351	305	-0.28	0.43	-0.35	-9.22e-05	0.0	2.99e-05
1351	307	-0.14	0.55	-0.35	-1.07e-04	0.0	2.60e-05
1351	310	-0.14	0.42	-0.35	-8.93e-05	0.0	2.68e-05
1352	28	-1.01	0.92	-0.75	-2.76e-04	-3.11e-04	1.88e-05
1352	44	-1.38	0.82	-0.67	-2.56e-04	-2.79e-04	2.18e-05
1352	68	-0.30	1.78	-0.65	-3.06e-04	-2.65e-04	7.67e-06
1352	123	-9.11	3.11	-0.49	-3.80e-04	-3.04e-04	6.99e-05
1352	128	-8.30	-2.97	-0.53	1.70e-04	-2.75e-04	-3.66e-05
1352	137	0.73	11.50	-0.31	-1.13e-03	-1.75e-04	1.78e-04
1352	155	-10.21	3.47	-0.50	-4.12e-04	-3.22e-04	7.85e-05

1352	160	-9.30	-3.42	-0.55	2.10e-04	-2.89e-04	-4.18e-05
1352	169	0.84	12.95	-0.30	-1.26e-03	-1.77e-04	1.99e-04
1352	187	-10.05	3.60	-0.50	-4.24e-04	-3.20e-04	8.21e-05
1352	192	-9.17	-3.51	-0.55	2.18e-04	-2.86e-04	-3.95e-05
1352	201	0.85	13.30	-0.29	-1.29e-03	-1.79e-04	1.95e-04
1352	219	-11.66	4.26	-0.51	-4.83e-04	-3.46e-04	9.83e-05
1352	224	-10.63	-4.26	-0.57	2.85e-04	-3.06e-04	-4.68e-05
1352	233	1.04	15.74	-0.27	-1.51e-03	-1.83e-04	2.28e-04
1352	256	-0.68	0.64	-0.53	-1.92e-04	-2.17e-04	1.29e-05
1352	264	-0.93	0.57	-0.47	-1.78e-04	-1.95e-04	1.49e-05
1352	276	-0.21	1.21	-0.46	-2.12e-04	-1.86e-04	5.48e-06
1352	298	-0.22	0.49	-0.43	-1.43e-04	-1.71e-04	6.40e-06
1352	305	-0.35	0.47	-0.41	-1.40e-04	-1.64e-04	7.61e-06
1352	307	-0.20	0.60	-0.41	-1.46e-04	-1.62e-04	5.72e-06
1352	310	-0.20	0.46	-0.41	-1.36e-04	-1.62e-04	6.02e-06
1353	44	-1.30	0.33	-0.14	0.0	-1.71e-04	-5.12e-04
1353	68	-0.12	1.18	-0.09	0.0	-1.08e-04	-7.54e-05
1353	92	-0.12	-0.02	-0.20	0.0	-1.28e-04	-9.44e-06
1353	123	-7.25	2.35	0.06	0.0	-1.27e-03	4.98e-06
1353	137	0.15	8.85	0.59	0.0	-2.72e-05	-9.06e-05
1353	140	-0.31	-8.38	-0.81	0.0	-1.25e-04	4.87e-05
1353	155	-8.14	2.63	0.08	0.0	-1.42e-03	8.37e-06
1353	169	0.17	9.98	0.69	0.0	-2.10e-05	-9.90e-05
1353	172	-0.33	-9.51	-0.91	0.0	-1.31e-04	5.72e-05
1353	187	-8.02	2.73	0.09	0.0	-1.40e-03	9.04e-06
1353	193	-1.27	10.29	0.69	0.0	-2.88e-04	3.73e-04
1353	204	-0.35	-9.78	-0.93	0.0	-1.37e-04	4.96e-05
1353	219	-9.33	3.26	0.13	0.0	-1.62e-03	1.59e-05
1353	225	-1.53	12.35	0.85	0.0	-3.32e-04	4.43e-04
1353	236	-0.40	-11.69	-1.08	0.0	-1.49e-04	6.13e-05
1353	264	-0.87	0.23	-0.10	0.0	-1.18e-04	-3.43e-04
1353	276	-0.09	0.79	-0.07	0.0	-7.57e-05	-5.19e-05
1353	288	-0.09	-1.75e-03	-0.14	0.0	-8.94e-05	-8.00e-06
1353	298	-0.08	0.25	-0.11	0.0	-8.06e-05	-2.17e-05
1353	305	-0.24	0.23	-0.11	0.0	-8.25e-05	-8.50e-05
1353	307	-0.08	0.34	-0.10	0.0	-7.41e-05	-2.68e-05
1353	310	-0.08	0.23	-0.11	0.0	-7.59e-05	-2.09e-05
1354	44	-1.40	0.48	-0.13	0.0	-1.71e-04	-4.45e-04
1354	68	-0.18	1.36	-0.09	0.0	-1.32e-04	-5.57e-05
1354	92	-0.20	0.05	-0.20	0.0	-1.54e-04	-9.85e-06
1354	123	-7.88	2.61	0.06	0.0	-1.28e-03	1.11e-05
1354	137	0.13	9.75	0.60	0.0	-4.28e-05	-4.25e-05
1354	140	-0.38	-9.15	-0.82	0.0	-1.41e-04	8.92e-06
1354	155	-8.85	2.92	0.08	0.0	-1.42e-03	1.48e-05
1354	169	0.17	10.99	0.69	0.0	-3.65e-05	-4.53e-05
1354	172	-0.41	-10.39	-0.91	0.0	-1.47e-04	1.17e-05
1354	187	-8.72	3.03	0.09	0.0	-1.40e-03	1.65e-05
1354	193	-1.42	11.29	0.69	0.0	-3.03e-04	3.56e-04
1354	204	-0.43	-10.69	-0.93	0.0	-1.53e-04	4.57e-06
1354	219	-10.14	3.60	0.13	0.0	-1.62e-03	2.44e-05
1354	225	-1.69	13.55	0.86	0.0	-3.47e-04	4.25e-04
1354	236	-0.49	-12.78	-1.09	0.0	-1.65e-04	6.88e-06
1354	264	-0.94	0.33	-0.10	0.0	-1.19e-04	-2.98e-04
1354	276	-0.13	0.92	-0.07	0.0	-9.30e-05	-3.84e-05
1354	288	-0.14	0.05	-0.14	0.0	-1.07e-04	-7.81e-06
1354	298	-0.13	0.32	-0.11	0.0	-9.75e-05	-1.75e-05
1354	305	-0.28	0.30	-0.11	0.0	-9.50e-05	-7.28e-05
1354	307	-0.12	0.42	-0.10	0.0	-8.99e-05	-2.08e-05
1354	310	-0.12	0.30	-0.11	0.0	-9.18e-05	-1.68e-05
1355	28	-0.83	0.77	-1.14	-2.42e-04	0.0	6.97e-05
1355	44	-1.21	0.68	-1.02	-2.15e-04	0.0	6.38e-05
1355	68	-0.16	1.60	-0.97	-3.26e-04	0.0	5.47e-05
1355	123	-8.71	3.46	-0.97	-4.67e-04	0.0	6.95e-05
1355	137	0.79	10.65	-0.59	-1.56e-03	0.0	4.79e-05
1355	155	-9.78	3.86	-1.02	-5.13e-04	0.0	7.42e-05
1355	169	0.90	12.00	-0.59	-1.75e-03	0.0	4.98e-05
1355	187	-9.63	3.98	-1.01	-5.29e-04	0.0	7.66e-05
1355	201	0.91	12.31	-0.59	-1.80e-03	0.0	5.39e-05
1355	219	-11.17	4.71	-1.08	-6.14e-04	0.0	8.61e-05
1355	233	1.09	14.58	-0.59	-2.11e-03	0.0	5.86e-05
1355	256	-0.56	0.53	-0.79	-1.68e-04	0.0	4.84e-05
1355	264	-0.82	0.47	-0.71	-1.50e-04	0.0	4.45e-05
1355	276	-0.11	1.09	-0.69	-2.23e-04	0.0	3.85e-05
1355	298	-0.13	0.41	-0.64	-1.30e-04	0.0	3.67e-05
1355	305	-0.26	0.40	-0.61	-1.24e-04	0.0	3.58e-05

1355	307	-0.12	0.52	-0.61	-1.39e-04	0.0	3.46e-05
1355	310	-0.12	0.39	-0.61	-1.22e-04	0.0	3.48e-05
1356	28	-1.01	0.90	-1.26	-2.46e-04	-5.01e-04	1.96e-05
1356	44	-1.38	0.80	-1.12	-2.02e-04	-4.42e-04	2.28e-05
1356	68	-0.30	1.77	-1.09	-3.07e-04	-4.47e-04	9.20e-06
1356	123	-9.11	3.04	-1.01	-3.70e-04	-4.08e-04	7.42e-05
1356	137	0.73	11.40	-0.68	-1.12e-03	-4.22e-04	1.87e-04
1356	155	-10.21	3.38	-1.05	-4.01e-04	-4.26e-04	8.32e-05
1356	169	0.84	12.84	-0.68	-1.25e-03	-4.43e-04	2.09e-04
1356	187	-10.05	3.51	-1.04	-4.11e-04	-4.27e-04	8.70e-05
1356	201	0.85	13.18	-0.68	-1.28e-03	-4.48e-04	2.07e-04
1356	219	-11.65	4.15	-1.10	-4.68e-04	-4.55e-04	1.04e-04
1356	233	1.04	15.60	-0.68	-1.49e-03	-4.84e-04	2.41e-04
1356	256	-0.68	0.62	-0.88	-1.71e-04	-3.49e-04	1.35e-05
1356	264	-0.93	0.55	-0.79	-1.42e-04	-3.10e-04	1.56e-05
1356	276	-0.21	1.20	-0.77	-2.12e-04	-3.13e-04	6.54e-06
1356	298	-0.22	0.48	-0.71	-1.45e-04	-2.79e-04	6.83e-06
1356	305	-0.34	0.46	-0.68	-1.34e-04	-2.67e-04	8.06e-06
1356	307	-0.20	0.59	-0.68	-1.48e-04	-2.67e-04	6.25e-06
1356	310	-0.20	0.45	-0.67	-1.37e-04	-2.65e-04	6.46e-06
1357	45	-1.19	0.08	-0.06	0.0	3.09e-05	2.06e-03
1357	52	0.01	0.35	-0.17	0.0	-3.13e-05	1.44e-04
1357	68	0.02	0.48	-0.16	0.0	-2.41e-05	1.22e-04
1357	122	3.67	-1.10	-0.02	0.0	1.36e-03	2.92e-04
1357	137	0.37	3.76	-0.29	0.0	1.22e-04	2.54e-04
1357	154	4.13	-1.26	-7.69e-03	0.0	1.53e-03	3.18e-04
1357	169	0.42	4.24	-0.32	0.0	1.39e-04	2.77e-04
1357	186	4.06	-1.30	-5.47e-03	0.0	1.50e-03	3.12e-04
1357	193	6.17e-03	4.35	-0.33	0.0	-1.54e-05	3.13e-04
1357	201	0.42	4.36	-0.33	0.0	1.40e-04	2.78e-04
1357	218	4.72	-1.57	0.01	0.0	1.75e-03	3.48e-04
1357	225	-6.78e-04	5.23	-0.38	0.0	-1.78e-05	3.58e-04
1357	261	-0.79	0.07	-0.06	0.0	1.63e-05	1.39e-03
1357	268	8.76e-03	0.24	-0.12	0.0	-2.17e-05	9.95e-05
1357	276	0.01	0.33	-0.11	0.0	-1.69e-05	8.48e-05
1357	298	2.79e-03	0.07	-0.09	0.0	-1.95e-05	8.10e-05
1357	304	-0.16	0.05	-0.06	0.0	-5.62e-06	3.15e-04
1357	307	4.18e-03	0.12	-0.09	0.0	-1.77e-05	7.62e-05
1357	310	2.63e-03	0.07	-0.09	0.0	-1.83e-05	7.59e-05
1358	44	-0.95	0.47	-1.56	0.0	-7.98e-04	2.02e-04
1358	52	-0.30	0.92	-1.85	0.0	-8.32e-04	2.36e-04
1358	68	-0.24	1.07	-1.63	0.0	-6.87e-04	1.93e-04
1358	123	-5.52	2.02	-1.42	0.0	-1.48e-03	-3.78e-05
1358	137	0.38	6.30	-1.76	0.0	-3.81e-04	3.37e-04
1358	139	-1.86	5.43	-1.95	0.0	-8.12e-04	1.52e-04
1358	155	-6.18	2.24	-1.48	0.0	-1.61e-03	-5.75e-05
1358	169	0.45	7.09	-1.87	0.0	-3.74e-04	3.64e-04
1358	171	-2.07	6.10	-2.08	0.0	-8.57e-04	1.56e-04
1358	187	-6.09	2.31	-1.48	0.0	-1.59e-03	-5.14e-05
1358	201	0.45	7.26	-1.89	0.0	-3.75e-04	3.66e-04
1358	203	-2.02	6.27	-2.11	0.0	-8.49e-04	1.61e-04
1358	219	-7.05	2.71	-1.58	0.0	-1.78e-03	-7.72e-05
1358	233	0.56	8.58	-2.07	0.0	-3.65e-04	4.10e-04
1358	235	-2.32	7.40	-2.32	0.0	-9.16e-04	1.70e-04
1358	264	-0.64	0.33	-1.09	0.0	-5.50e-04	1.39e-04
1358	268	-0.21	0.62	-1.29	0.0	-5.73e-04	1.62e-04
1358	276	-0.17	0.73	-1.14	0.0	-4.76e-04	1.33e-04
1358	298	-0.18	0.31	-1.02	0.0	-4.72e-04	1.34e-04
1358	305	-0.26	0.29	-0.97	0.0	-4.55e-04	1.26e-04
1358	307	-0.16	0.37	-0.97	0.0	-4.40e-04	1.25e-04
1358	310	-0.17	0.28	-0.96	0.0	-4.40e-04	1.25e-04
1359	43	-1.97	0.11	-0.12	0.0	-1.54e-04	2.37e-03
1359	68	-0.02	0.37	-0.17	0.0	-1.13e-05	1.19e-04
1359	123	-2.94	0.94	-0.26	0.0	-1.41e-03	2.58e-04
1359	137	0.26	2.84	-0.65	0.0	1.25e-04	1.95e-04
1359	155	-3.30	1.06	-0.28	0.0	-1.58e-03	2.80e-04
1359	169	0.29	3.21	-0.73	0.0	1.42e-04	2.10e-04
1359	187	-3.25	1.09	-0.29	0.0	-1.56e-03	2.75e-04
1359	193	-0.06	3.29	-0.75	0.0	-2.50e-05	2.42e-04
1359	201	0.30	3.29	-0.75	0.0	1.43e-04	2.10e-04
1359	219	-3.77	1.30	-0.33	0.0	-1.81e-03	3.08e-04
1359	225	-0.07	3.96	-0.88	0.0	-3.11e-05	2.74e-04
1359	263	-1.32	0.08	-0.08	0.0	-1.03e-04	1.58e-03
1359	276	-0.01	0.25	-0.12	0.0	-7.97e-06	8.32e-05
1359	305	-0.28	0.06	-0.08	0.0	-2.86e-05	3.76e-04

1359	307	-0.02	0.09	-0.08	0.0	-9.61e-06	7.55e-05
1359	310	-0.02	0.05	-0.07	0.0	-1.02e-05	7.55e-05
1360	44	-1.06	0.38	-1.59	0.0	-3.14e-04	1.76e-04
1360	52	-0.33	0.85	-1.89	0.0	-1.98e-04	1.80e-04
1360	68	-0.26	1.06	-1.67	0.0	-1.61e-04	1.45e-04
1360	123	-6.35	2.20	-1.46	0.0	-1.48e-03	3.93e-05
1360	137	0.45	7.21	-1.80	0.0	3.24e-04	2.60e-04
1360	139	-2.13	6.20	-2.01	0.0	-2.53e-04	1.13e-04
1360	155	-7.11	2.46	-1.52	0.0	-1.66e-03	3.26e-05
1360	169	0.53	8.13	-1.91	0.0	3.77e-04	2.81e-04
1360	171	-2.36	6.99	-2.14	0.0	-2.70e-04	1.15e-04
1360	187	-7.00	2.54	-1.53	0.0	-1.63e-03	3.70e-05
1360	201	0.54	8.33	-1.94	0.0	3.64e-04	2.80e-04
1360	203	-2.30	7.18	-2.17	0.0	-2.70e-04	1.17e-04
1360	219	-8.11	3.01	-1.63	0.0	-1.88e-03	2.99e-05
1360	233	0.67	9.87	-2.13	0.0	4.41e-04	3.13e-04
1360	235	-2.64	8.50	-2.39	0.0	-2.98e-04	1.22e-04
1360	264	-0.71	0.26	-1.12	0.0	-2.14e-04	1.21e-04
1360	268	-0.23	0.58	-1.31	0.0	-1.37e-04	1.24e-04
1360	276	-0.18	0.72	-1.16	0.0	-1.13e-04	1.01e-04
1360	298	-0.20	0.24	-1.04	0.0	-1.16e-04	1.05e-04
1360	305	-0.29	0.23	-0.98	0.0	-1.28e-04	1.01e-04
1360	307	-0.18	0.32	-0.99	0.0	-1.08e-04	9.66e-05
1360	310	-0.18	0.22	-0.98	0.0	-1.09e-04	9.73e-05
1361	43	-1.91	0.14	-0.14	0.0	1.53e-04	2.14e-03
1361	68	-0.02	0.48	-0.21	0.0	-1.49e-05	1.19e-04
1361	123	-3.62	1.24	-0.30	0.0	-1.40e-03	-1.26e-04
1361	137	0.32	3.76	-0.75	0.0	1.24e-04	2.46e-04
1361	155	-4.07	1.39	-0.33	0.0	-1.57e-03	-1.51e-04
1361	169	0.36	4.24	-0.84	0.0	1.41e-04	2.68e-04
1361	187	-4.00	1.43	-0.34	0.0	-1.55e-03	-1.44e-04
1361	201	0.36	4.36	-0.86	0.0	1.43e-04	2.69e-04
1361	219	-4.65	1.71	-0.38	0.0	-1.80e-03	-1.78e-04
1361	225	-0.09	5.23	-1.01	0.0	-2.82e-05	3.50e-04
1361	263	-1.28	0.10	-0.10	0.0	1.02e-04	1.43e-03
1361	276	-0.02	0.33	-0.14	0.0	-1.05e-05	8.28e-05
1361	305	-0.27	0.07	-0.09	0.0	1.05e-05	3.45e-04
1361	307	-0.02	0.12	-0.10	0.0	-1.20e-05	7.45e-05
1361	310	-0.02	0.07	-0.09	0.0	-1.26e-05	7.42e-05
1362	44	-1.11	0.39	-1.65	0.0	-1.43e-04	1.04e-04
1362	52	-0.27	0.91	-1.95	0.0	1.32e-05	6.45e-05
1362	68	-0.21	1.16	-1.72	0.0	1.22e-05	4.76e-05
1362	123	-7.16	2.45	-1.52	0.0	-1.41e-03	1.70e-04
1362	137	2.04	8.13	-1.85	0.0	4.56e-04	2.75e-05
1362	139	-0.89	6.99	-2.06	0.0	-1.39e-04	-6.15e-05
1362	155	-8.02	2.75	-1.59	0.0	-1.58e-03	1.86e-04
1362	169	2.31	9.17	-1.96	0.0	5.11e-04	2.64e-05
1362	171	-0.98	7.89	-2.19	0.0	-1.56e-04	-7.34e-05
1362	187	-7.90	2.84	-1.59	0.0	-1.55e-03	1.83e-04
1362	201	2.24	9.40	-1.99	0.0	5.00e-04	3.07e-05
1362	203	-0.99	8.10	-2.22	0.0	-1.54e-04	-6.66e-05
1362	219	-9.16	3.36	-1.70	0.0	-1.81e-03	2.08e-04
1362	233	2.62	11.14	-2.17	0.0	5.82e-04	3.10e-05
1362	235	-1.14	9.60	-2.45	0.0	-1.80e-04	-8.26e-05
1362	264	-0.74	0.27	-1.16	0.0	-9.58e-05	7.08e-05
1362	268	-0.19	0.62	-1.35	0.0	8.11e-06	4.47e-05
1362	276	-0.15	0.78	-1.20	0.0	7.43e-06	3.35e-05
1362	298	-0.17	0.25	-1.07	0.0	3.13e-06	4.11e-05
1362	305	-0.27	0.23	-1.02	0.0	-1.73e-05	4.43e-05
1362	307	-0.15	0.33	-1.02	0.0	3.34e-06	3.68e-05
1362	310	-0.16	0.23	-1.01	0.0	2.04e-06	3.83e-05
1363	43	-1.12	0.17	-0.16	0.0	1.29e-04	1.66e-03
1363	52	-7.27e-03	0.42	-0.21	0.0	-4.40e-05	9.58e-05
1363	68	7.40e-04	0.58	-0.19	0.0	-3.50e-05	8.04e-05
1363	123	-4.27	1.51	-0.19	0.0	-1.37e-03	-3.49e-05
1363	137	0.42	4.62	-0.34	0.0	1.11e-04	1.94e-04
1363	155	-4.80	1.70	-0.20	0.0	-1.53e-03	-4.51e-05
1363	169	0.47	5.22	-0.37	0.0	1.28e-04	2.12e-04
1363	187	-4.72	1.75	-0.20	0.0	-1.51e-03	-4.05e-05
1363	193	-5.75e-03	5.35	-0.38	0.0	-2.40e-05	2.82e-04
1363	201	0.48	5.36	-0.38	0.0	1.29e-04	2.13e-04
1363	219	-5.49	2.09	-0.22	0.0	-1.75e-03	-5.35e-05
1363	225	-0.01	6.44	-0.43	0.0	-2.68e-05	3.26e-04
1363	263	-0.75	0.12	-0.11	0.0	8.50e-05	1.11e-03
1363	268	-5.18e-03	0.29	-0.14	0.0	-3.05e-05	6.62e-05

1363	276	1.65e-04	0.39	-0.13	0.0	-2.45e-05	5.60e-05
1363	298	-9.34e-03	0.08	-0.11	0.0	-2.67e-05	5.42e-05
1363	305	-0.16	0.08	-0.11	0.0	-2.70e-06	2.62e-04
1363	307	-6.96e-03	0.14	-0.11	0.0	-2.45e-05	5.08e-05
1363	310	-8.75e-03	0.08	-0.11	0.0	-2.50e-05	5.08e-05
1364	44	-1.12	0.41	-1.74	0.0	-9.45e-05	1.80e-05
1364	52	-0.18	0.98	-2.03	0.0	5.29e-05	-6.91e-05
1364	68	-0.14	1.26	-1.80	0.0	4.33e-05	-6.46e-05
1364	123	-7.85	2.70	-1.60	0.0	-1.25e-03	2.90e-04
1364	137	2.31	9.01	-1.89	0.0	4.32e-04	-1.36e-04
1364	139	-0.94	7.75	-2.11	0.0	-1.10e-04	-7.72e-05
1364	155	-8.81	3.03	-1.66	0.0	-1.40e-03	3.29e-04
1364	169	2.61	10.16	-2.00	0.0	4.82e-04	-1.48e-04
1364	171	-1.04	8.74	-2.24	0.0	-1.26e-04	-8.31e-05
1364	187	-8.67	3.12	-1.67	0.0	-1.38e-03	3.23e-04
1364	201	2.53	10.41	-2.03	0.0	4.71e-04	-1.39e-04
1364	203	-1.04	8.98	-2.27	0.0	-1.25e-04	-7.99e-05
1364	219	-10.06	3.71	-1.78	0.0	-1.61e-03	3.81e-04
1364	233	2.95	12.34	-2.21	0.0	5.44e-04	-1.55e-04
1364	235	-1.21	10.64	-2.50	0.0	-1.50e-04	-8.71e-05
1364	264	-0.75	0.28	-1.21	0.0	-6.27e-05	1.12e-05
1364	268	-0.13	0.67	-1.41	0.0	3.56e-05	-4.69e-05
1364	276	-0.10	0.85	-1.26	0.0	2.92e-05	-4.39e-05
1364	298	-0.12	0.26	-1.12	0.0	2.72e-05	-3.24e-05
1364	305	-0.24	0.24	-1.06	0.0	6.96e-06	-2.11e-05
1364	307	-0.11	0.36	-1.07	0.0	2.53e-05	-3.21e-05
1364	310	-0.11	0.24	-1.06	0.0	2.45e-05	-2.99e-05
1365	43	-0.97	0.19	-0.23	0.0	6.16e-05	7.74e-04
1365	52	-0.03	0.49	-0.29	0.0	-5.80e-05	1.79e-05
1365	68	-0.02	0.68	-0.27	0.0	-4.65e-05	1.30e-05
1365	123	-4.87	1.79	-0.24	0.0	-1.44e-03	1.67e-04
1365	137	0.46	5.50	-0.41	0.0	1.11e-04	-6.77e-05
1365	155	-5.47	2.01	-0.25	0.0	-1.61e-03	1.87e-04
1365	169	0.52	6.21	-0.44	0.0	1.29e-04	-7.71e-05
1365	187	-5.38	2.08	-0.26	0.0	-1.58e-03	1.85e-04
1365	193	-0.02	6.37	-0.45	0.0	-2.10e-05	1.54e-04
1365	201	0.53	6.38	-0.45	0.0	1.30e-04	-7.25e-05
1365	219	-6.25	2.48	-0.28	0.0	-1.84e-03	2.15e-04
1365	225	-0.03	7.65	-0.51	0.0	-2.12e-05	1.83e-04
1365	263	-0.65	0.13	-0.16	0.0	3.94e-05	5.17e-04
1365	268	-0.02	0.33	-0.20	0.0	-4.03e-05	1.24e-05
1365	276	-0.01	0.46	-0.19	0.0	-3.27e-05	9.17e-06
1365	298	-0.02	0.09	-0.16	0.0	-3.53e-05	1.16e-05
1365	305	-0.15	0.09	-0.15	0.0	-1.82e-05	1.12e-04
1365	307	-0.02	0.16	-0.16	0.0	-3.25e-05	1.03e-05
1365	310	-0.02	0.09	-0.15	0.0	-3.32e-05	1.08e-05
1366	44	-1.11	0.42	-1.87	0.0	-1.24e-04	-1.14e-04
1366	52	-0.07	1.04	-2.18	0.0	-2.97e-05	-2.93e-04
1366	68	-0.05	1.34	-1.93	0.0	-2.85e-05	-2.53e-04
1366	123	-8.47	2.93	-1.70	0.0	-9.54e-04	3.41e-04
1366	137	2.58	9.81	-1.95	0.0	7.54e-05	-3.63e-04
1366	139	-0.96	8.44	-2.17	0.0	-3.26e-04	-2.30e-04
1366	155	-9.52	3.28	-1.77	0.0	-1.07e-03	4.02e-04
1366	169	2.90	11.06	-2.05	0.0	8.66e-05	-3.90e-04
1366	171	-1.07	9.52	-2.31	0.0	-3.63e-04	-2.42e-04
1366	187	-9.37	3.39	-1.78	0.0	-1.05e-03	3.94e-04
1366	201	2.82	11.34	-2.08	0.0	8.65e-05	-3.84e-04
1366	203	-1.07	9.78	-2.33	0.0	-3.54e-04	-2.44e-04
1366	219	-10.88	4.03	-1.90	0.0	-1.22e-03	4.80e-04
1366	233	3.28	13.44	-2.26	0.0	1.04e-04	-4.26e-04
1366	235	-1.25	11.59	-2.56	0.0	-4.09e-04	-2.63e-04
1366	264	-0.75	0.29	-1.31	0.0	-8.35e-05	-8.11e-05
1366	268	-0.05	0.70	-1.52	0.0	-2.08e-05	-2.00e-04
1366	276	-0.04	0.90	-1.35	0.0	-2.00e-05	-1.74e-04
1366	298	-0.06	0.27	-1.20	0.0	-1.59e-05	-1.54e-04
1366	305	-0.19	0.25	-1.15	0.0	-2.84e-05	-1.28e-04
1366	307	-0.05	0.37	-1.15	0.0	-1.57e-05	-1.47e-04
1366	310	-0.06	0.25	-1.14	0.0	-1.53e-05	-1.43e-04
1367	1	0.0	0.0	0.0	0.0	9.79e-05	2.10e-05
1367	113	0.0	0.0	0.0	0.0	9.41e-04	3.90e-06
1367	145	0.0	0.0	0.0	0.0	1.05e-03	4.65e-06
1367	177	0.0	0.0	0.0	0.0	1.03e-03	4.66e-06
1367	209	0.0	0.0	0.0	0.0	1.20e-03	5.86e-06
1367	241	0.0	0.0	0.0	0.0	6.62e-05	1.39e-05
1367	297	0.0	0.0	0.0	0.0	1.13e-05	-1.22e-06

1367	309	0.0	0.0	0.0	0.0	1.13e-05	-1.22e-06
1368	44	-1.18	0.31	-2.03	0.0	-2.01e-04	-1.37e-04
1368	52	-0.15	0.94	-2.36	0.0	-1.66e-04	-2.27e-04
1368	68	-0.12	1.29	-2.08	0.0	-1.44e-04	-1.94e-04
1368	123	-8.72	2.47	-1.82	0.0	-7.57e-04	9.00e-05
1368	137	0.82	10.39	-2.02	0.0	-8.77e-05	-1.33e-04
1368	139	-2.81	8.93	-2.25	0.0	-3.72e-04	-2.30e-04
1368	155	-9.79	2.77	-1.89	0.0	-8.41e-04	1.16e-04
1368	169	0.93	11.73	-2.12	0.0	-8.90e-05	-1.34e-04
1368	171	-3.14	10.09	-2.39	0.0	-4.08e-04	-2.43e-04
1368	187	-9.64	2.88	-1.90	0.0	-8.30e-04	1.13e-04
1368	201	0.94	12.03	-2.15	0.0	-9.30e-05	-1.27e-04
1368	203	-3.05	10.37	-2.41	0.0	-4.05e-04	-2.33e-04
1368	219	-11.19	3.45	-2.02	0.0	-9.53e-04	1.53e-04
1368	233	1.12	14.28	-2.33	0.0	-9.66e-05	-1.27e-04
1368	235	-3.52	12.31	-2.63	0.0	-4.60e-04	-2.50e-04
1368	264	-0.79	0.21	-1.42	0.0	-1.38e-04	-9.63e-05
1368	268	-0.11	0.63	-1.64	0.0	-1.14e-04	-1.56e-04
1368	276	-0.08	0.86	-1.46	0.0	-1.00e-04	-1.34e-04
1368	298	-0.10	0.19	-1.31	0.0	-8.97e-05	-1.25e-04
1368	305	-0.23	0.18	-1.24	0.0	-9.30e-05	-1.10e-04
1368	307	-0.09	0.31	-1.25	0.0	-8.55e-05	-1.18e-04
1368	310	-0.10	0.18	-1.24	0.0	-8.40e-05	-1.17e-04
1369	44	-1.37	0.74	-1.94	-3.26e-04	-6.92e-04	1.87e-05
1369	52	-0.36	1.45	-2.22	-4.36e-04	-8.42e-04	7.54e-06
1369	68	-0.29	1.75	-1.98	-4.10e-04	-7.05e-04	6.15e-06
1369	123	-9.10	3.48	-1.66	-4.29e-04	-6.18e-04	7.49e-05
1369	137	0.73	11.18	-1.81	-1.17e-03	-6.69e-04	1.94e-04
1369	139	-3.01	9.66	-2.01	-1.04e-03	-7.42e-04	4.16e-05
1369	155	-10.21	3.89	-1.72	-4.59e-04	-6.42e-04	8.43e-05
1369	169	0.85	12.59	-1.90	-1.30e-03	-7.00e-04	2.17e-04
1369	171	-3.35	10.87	-2.11	-1.15e-03	-7.82e-04	4.67e-05
1369	187	-10.05	4.01	-1.72	-4.69e-04	-6.42e-04	8.84e-05
1369	201	0.85	12.91	-1.92	-1.33e-03	-7.08e-04	2.16e-04
1369	203	-3.26	11.17	-2.13	-1.17e-03	-7.89e-04	4.72e-05
1369	219	-11.65	4.73	-1.82	-5.24e-04	-6.80e-04	1.06e-04
1369	233	1.04	15.27	-2.06	-1.54e-03	-7.61e-04	2.53e-04
1369	235	-3.75	13.20	-2.31	-1.36e-03	-8.55e-04	5.56e-05
1369	264	-0.92	0.51	-1.37	-2.28e-04	-4.78e-04	1.27e-05
1369	268	-0.25	0.99	-1.55	-3.01e-04	-5.78e-04	5.33e-06
1369	276	-0.21	1.19	-1.39	-2.84e-04	-4.87e-04	4.40e-06
1369	298	-0.21	0.46	-1.23	-2.18e-04	-4.67e-04	4.38e-06
1369	305	-0.34	0.44	-1.18	-2.05e-04	-4.36e-04	5.69e-06
1369	307	-0.20	0.58	-1.18	-2.16e-04	-4.37e-04	4.02e-06
1369	310	-0.20	0.44	-1.17	-2.06e-04	-4.34e-04	4.16e-06
1370	44	-1.37	0.73	-2.30	-4.97e-04	-1.03e-03	2.34e-05
1370	52	-0.36	1.45	-2.66	-6.25e-04	-1.25e-03	1.33e-05
1370	68	-0.29	1.74	-2.34	-5.70e-04	-1.03e-03	1.09e-05
1370	123	-9.10	3.44	-1.99	-6.03e-04	-9.08e-04	7.84e-05
1370	137	0.73	11.14	-2.16	-1.21e-03	-8.66e-04	2.00e-04
1370	139	-3.01	9.60	-2.40	-1.07e-03	-9.70e-04	4.70e-05
1370	155	-10.21	3.84	-2.06	-6.41e-04	-9.41e-04	8.79e-05
1370	169	0.85	12.54	-2.26	-1.32e-03	-8.95e-04	2.24e-04
1370	171	-3.35	10.81	-2.53	-1.17e-03	-1.01e-03	5.24e-05
1370	187	-10.05	3.96	-2.07	-6.50e-04	-9.40e-04	9.20e-05
1370	201	0.85	12.85	-2.29	-1.35e-03	-9.02e-04	2.22e-04
1370	203	-3.26	11.10	-2.55	-1.19e-03	-1.02e-03	5.32e-05
1370	219	-11.65	4.67	-2.19	-7.17e-04	-9.91e-04	1.10e-04
1370	233	1.04	15.21	-2.47	-1.54e-03	-9.52e-04	2.60e-04
1370	235	-3.75	13.13	-2.77	-1.36e-03	-1.08e-03	6.22e-05
1370	264	-0.92	0.51	-1.61	-3.46e-04	-7.08e-04	1.60e-05
1370	268	-0.25	0.99	-1.85	-4.32e-04	-8.55e-04	9.27e-06
1370	276	-0.21	1.18	-1.64	-3.95e-04	-7.10e-04	7.72e-06
1370	298	-0.21	0.46	-1.47	-3.25e-04	-6.99e-04	7.60e-06
1370	305	-0.34	0.44	-1.40	-3.07e-04	-6.51e-04	8.70e-06
1370	307	-0.20	0.57	-1.41	-3.17e-04	-6.51e-04	7.04e-06
1370	310	-0.20	0.43	-1.40	-3.06e-04	-6.48e-04	7.16e-06
1371	45	-0.10	0.02	2.54e-03	0.0	-2.62e-04	-4.43e-04
1371	67	0.02	0.07	-0.04	0.0	2.82e-05	-1.33e-05
1371	68	0.02	0.07	-0.05	0.0	2.95e-05	-1.40e-05
1371	122	0.73	-0.27	-0.08	0.0	1.48e-03	9.18e-06
1371	129	3.59e-03	0.74	-0.13	0.0	2.23e-05	4.40e-05
1371	141	0.13	0.64	-0.14	0.0	2.71e-04	2.94e-05
1371	154	0.82	-0.31	-0.09	0.0	1.67e-03	1.15e-05
1371	161	2.17e-03	0.84	-0.14	0.0	2.24e-05	5.12e-05

1371	173	0.15	0.73	-0.16	0.0	3.04e-04	3.46e-05
1371	186	0.81	-0.31	-0.08	0.0	1.64e-03	9.97e-06
1371	193	7.80e-05	0.87	-0.15	0.0	1.97e-05	5.29e-05
1371	205	0.15	0.75	-0.16	0.0	3.04e-04	3.53e-05
1371	218	0.94	-0.37	-0.09	0.0	1.90e-03	1.27e-05
1371	225	-4.17e-03	1.05	-0.17	0.0	1.69e-05	6.56e-05
1371	237	0.17	0.89	-0.18	0.0	3.52e-04	4.39e-05
1371	261	-0.06	0.01	-3.69e-03	0.0	-1.70e-04	-2.98e-04
1371	275	0.01	0.05	-0.03	0.0	1.96e-05	-9.39e-06
1371	276	0.01	0.05	-0.03	0.0	2.05e-05	-9.83e-06
1371	303	0.02	3.32e-03	-0.02	0.0	3.50e-05	1.82e-05
1371	307	0.01	0.01	-0.02	0.0	1.73e-05	-1.04e-05
1371	310	0.01	4.39e-03	-0.02	0.0	1.70e-05	-1.09e-05
1372	45	-0.19	0.04	3.17e-03	0.0	-2.39e-04	-7.64e-04
1372	68	0.04	0.16	-0.07	0.0	2.25e-05	-3.29e-05
1372	122	1.49	-0.53	-0.14	0.0	1.49e-03	-9.90e-06
1372	129	0.02	1.54	-0.23	0.0	2.95e-05	5.72e-05
1372	141	0.27	1.34	-0.25	0.0	2.73e-04	2.20e-05
1372	154	1.67	-0.60	-0.15	0.0	1.67e-03	-8.70e-06
1372	161	0.02	1.74	-0.26	0.0	3.13e-05	6.75e-05
1372	173	0.31	1.52	-0.28	0.0	3.06e-04	2.77e-05
1372	186	1.64	-0.62	-0.15	0.0	1.65e-03	-1.14e-05
1372	193	0.02	1.81	-0.27	0.0	2.97e-05	6.97e-05
1372	205	0.31	1.56	-0.29	0.0	3.07e-04	2.80e-05
1372	218	1.91	-0.74	-0.17	0.0	1.91e-03	-1.06e-05
1372	225	0.01	2.17	-0.32	0.0	3.02e-05	8.78e-05
1372	237	0.35	1.86	-0.33	0.0	3.56e-04	3.72e-05
1372	261	-0.12	0.03	-6.87e-03	0.0	-1.56e-04	-5.14e-04
1372	276	0.03	0.11	-0.05	0.0	1.56e-05	-2.30e-05
1372	303	0.04	0.01	-0.03	0.0	2.77e-05	2.80e-05
1372	307	0.02	0.03	-0.04	0.0	1.20e-05	-2.18e-05
1372	310	0.02	0.01	-0.03	0.0	1.14e-05	-2.21e-05
1373	28	-1.01	0.89	-1.60	-2.46e-04	-5.22e-04	2.03e-05
1373	44	-1.37	0.78	-1.42	-1.98e-04	-4.57e-04	2.33e-05
1373	68	-0.30	1.77	-1.40	-3.09e-04	-4.69e-04	9.98e-06
1373	123	-9.11	3.00	-1.22	-3.74e-04	-3.93e-04	7.56e-05
1373	137	0.73	11.36	-0.98	-1.13e-03	-4.77e-04	1.91e-04
1373	155	-10.21	3.34	-1.26	-4.06e-04	-4.08e-04	8.48e-05
1373	169	0.84	12.79	-1.00	-1.26e-03	-5.04e-04	2.14e-04
1373	187	-10.05	3.47	-1.26	-4.16e-04	-4.10e-04	8.87e-05
1373	201	0.85	13.12	-1.00	-1.29e-03	-5.11e-04	2.11e-04
1373	219	-11.65	4.10	-1.33	-4.74e-04	-4.35e-04	1.06e-04
1373	233	1.04	15.53	-1.03	-1.51e-03	-5.56e-04	2.47e-04
1373	256	-0.68	0.61	-1.12	-1.71e-04	-3.63e-04	1.39e-05
1373	264	-0.93	0.54	-1.00	-1.40e-04	-3.20e-04	1.60e-05
1373	276	-0.21	1.20	-0.98	-2.14e-04	-3.28e-04	7.08e-06
1373	298	-0.22	0.48	-0.90	-1.47e-04	-2.91e-04	7.17e-06
1373	305	-0.34	0.46	-0.86	-1.35e-04	-2.77e-04	8.39e-06
1373	307	-0.20	0.59	-0.86	-1.50e-04	-2.79e-04	6.61e-06
1373	310	-0.20	0.45	-0.85	-1.40e-04	-2.76e-04	6.79e-06
1374	45	-0.29	0.05	2.09e-03	0.0	-2.05e-04	-9.29e-04
1374	68	0.05	0.26	-0.10	0.0	8.47e-06	-4.92e-05
1374	122	2.25	-0.79	-0.19	0.0	1.47e-03	-2.32e-05
1374	129	0.04	2.38	-0.32	0.0	2.76e-05	6.10e-05
1374	141	0.42	2.08	-0.34	0.0	5.70e-04	9.81e-06
1374	154	2.52	-0.90	-0.21	0.0	1.65e-03	-2.26e-05
1374	161	0.04	2.69	-0.36	0.0	3.05e-05	7.29e-05
1374	173	0.47	2.36	-0.38	0.0	6.40e-04	1.49e-05
1374	186	2.48	-0.92	-0.20	0.0	1.63e-03	-2.58e-05
1374	193	0.04	2.79	-0.37	0.0	2.94e-05	7.48e-05
1374	205	0.47	2.42	-0.39	0.0	6.25e-04	1.41e-05
1374	218	2.88	-1.11	-0.22	0.0	1.89e-03	-2.60e-05
1374	225	0.03	3.36	-0.43	0.0	3.20e-05	9.56e-05
1374	237	0.54	2.88	-0.45	0.0	7.24e-04	2.21e-05
1374	261	-0.19	0.04	-0.01	0.0	-1.36e-04	-6.26e-04
1374	276	0.03	0.17	-0.07	0.0	5.75e-06	-3.43e-05
1374	303	0.05	0.02	-0.05	0.0	1.56e-05	2.95e-05
1374	307	0.03	0.05	-0.05	0.0	2.55e-06	-3.12e-05
1374	310	0.03	0.02	-0.04	0.0	1.85e-06	-3.12e-05
1375	45	-0.38	0.07	-7.90e-04	0.0	-1.67e-04	-9.15e-04
1375	68	0.05	0.36	-0.12	0.0	-1.18e-05	-5.97e-05
1375	122	2.99	-1.05	-0.23	0.0	1.41e-03	1.35e-05
1375	129	0.06	3.24	-0.39	0.0	1.62e-05	6.79e-05
1375	141	0.55	2.86	-0.42	0.0	5.39e-04	-4.33e-05
1375	154	3.36	-1.19	-0.25	0.0	1.59e-03	1.94e-05

1375	161	0.06	3.67	-0.43	0.0	1.93e-05	8.12e-05
1375	173	0.62	3.23	-0.47	0.0	6.07e-04	-4.41e-05
1375	186	3.31	-1.22	-0.24	0.0	1.56e-03	1.69e-05
1375	193	0.06	3.81	-0.45	0.0	1.83e-05	8.22e-05
1375	205	0.62	3.32	-0.47	0.0	5.92e-04	-4.28e-05
1375	218	3.84	-1.47	-0.27	0.0	1.82e-03	2.44e-05
1375	225	0.05	4.58	-0.53	0.0	2.14e-05	1.05e-04
1375	237	0.72	3.94	-0.55	0.0	6.89e-04	-4.36e-05
1375	261	-0.25	0.05	-0.02	0.0	-1.14e-04	-6.19e-04
1375	276	0.04	0.24	-0.08	0.0	-8.37e-06	-4.15e-05
1375	303	0.06	0.03	-0.06	0.0	0.0	2.31e-05
1375	307	0.03	0.08	-0.06	0.0	-1.03e-05	-3.68e-05
1375	310	0.03	0.04	-0.05	0.0	-1.10e-05	-3.65e-05
1376	28	-1.01	0.88	-1.85	-2.52e-04	-5.12e-04	1.99e-05
1376	44	-1.37	0.77	-1.64	-2.05e-04	-4.44e-04	2.30e-05
1376	68	-0.30	1.76	-1.64	-3.11e-04	-4.61e-04	9.78e-06
1376	123	-9.11	2.96	-1.39	-3.79e-04	-3.78e-04	7.58e-05
1376	137	0.73	11.31	-1.24	-1.15e-03	-4.95e-04	1.92e-04
1376	143	-3.65	10.46	-1.41	-1.07e-03	-5.30e-04	1.12e-04
1376	155	-10.21	3.30	-1.44	-4.11e-04	-3.92e-04	8.51e-05
1376	169	0.84	12.74	-1.28	-1.28e-03	-5.25e-04	2.15e-04
1376	175	-4.08	11.78	-1.47	-1.19e-03	-5.64e-04	1.25e-04
1376	187	-10.05	3.42	-1.44	-4.22e-04	-3.94e-04	8.90e-05
1376	199	-4.92	11.49	-1.48	-1.17e-03	-5.53e-04	3.28e-04
1376	201	0.85	13.07	-1.29	-1.31e-03	-5.32e-04	2.12e-04
1376	219	-11.65	4.04	-1.51	-4.79e-04	-4.18e-04	1.06e-04
1376	231	-5.71	13.77	-1.57	-1.38e-03	-6.11e-04	3.93e-04
1376	233	1.04	15.46	-1.35	-1.53e-03	-5.82e-04	2.48e-04
1376	256	-0.68	0.61	-1.30	-1.76e-04	-3.56e-04	1.37e-05
1376	264	-0.93	0.54	-1.16	-1.44e-04	-3.10e-04	1.58e-05
1376	276	-0.21	1.20	-1.15	-2.15e-04	-3.22e-04	6.94e-06
1376	298	-0.22	0.47	-1.04	-1.50e-04	-2.86e-04	7.00e-06
1376	305	-0.34	0.45	-1.00	-1.38e-04	-2.71e-04	8.21e-06
1376	307	-0.20	0.58	-1.00	-1.52e-04	-2.73e-04	6.45e-06
1376	310	-0.20	0.45	-0.99	-1.42e-04	-2.70e-04	6.62e-06
1377	45	-0.48	0.09	-6.15e-03	0.0	-1.34e-04	-7.27e-04
1377	68	0.04	0.46	-0.14	0.0	-3.40e-05	-5.52e-05
1377	122	3.69	-1.30	-0.27	0.0	1.32e-03	-1.72e-04
1377	129	0.06	4.13	-0.45	0.0	-1.29e-06	8.83e-05
1377	141	0.67	3.65	-0.48	0.0	2.14e-04	-9.81e-05
1377	154	4.14	-1.48	-0.29	0.0	1.48e-03	-1.89e-04
1377	161	0.06	4.67	-0.50	0.0	1.29e-06	1.04e-04
1377	173	0.75	4.12	-0.54	0.0	2.44e-04	-1.06e-04
1377	186	4.08	-1.52	-0.28	0.0	1.46e-03	-1.87e-04
1377	193	0.06	4.85	-0.51	0.0	0.0	1.04e-04
1377	205	0.75	4.23	-0.55	0.0	2.44e-04	-1.02e-04
1377	218	4.74	-1.84	-0.31	0.0	1.70e-03	-2.13e-04
1377	225	0.06	5.83	-0.60	0.0	2.04e-06	1.30e-04
1377	237	0.87	5.03	-0.64	0.0	2.89e-04	-1.13e-04
1377	261	-0.31	0.07	-0.02	0.0	-9.51e-05	-4.92e-04
1377	276	0.03	0.31	-0.10	0.0	-2.38e-05	-3.83e-05
1377	304	-0.05	0.04	-0.04	0.0	-3.10e-05	-1.14e-04
1377	307	0.02	0.10	-0.07	0.0	-2.41e-05	-3.32e-05
1377	310	0.02	0.05	-0.07	0.0	-2.47e-05	-3.28e-05
1378	41	-0.55	0.12	-0.04	0.0	-1.26e-04	-4.40e-04
1378	68	0.01	0.56	-0.17	0.0	-4.87e-05	-3.26e-05
1378	122	4.24	-1.52	-0.30	0.0	1.24e-03	-1.32e-04
1378	129	0.05	4.94	-0.50	0.0	-1.48e-05	1.25e-04
1378	141	0.75	4.37	-0.54	0.0	1.90e-04	-8.10e-05
1378	154	4.77	-1.73	-0.33	0.0	1.40e-03	-1.46e-04
1378	161	0.06	5.59	-0.55	0.0	-1.28e-05	1.43e-04
1378	173	0.85	4.94	-0.59	0.0	2.19e-04	-8.86e-05
1378	186	4.69	-1.79	-0.32	0.0	1.37e-03	-1.45e-04
1378	193	0.05	5.80	-0.57	0.0	-1.46e-05	1.44e-04
1378	205	0.85	5.07	-0.60	0.0	2.19e-04	-8.53e-05
1378	218	5.46	-2.16	-0.35	0.0	1.60e-03	-1.67e-04
1378	225	0.05	6.97	-0.67	0.0	-1.36e-05	1.75e-04
1378	237	0.99	6.03	-0.70	0.0	2.61e-04	-9.57e-05
1378	261	-0.37	0.09	-0.03	0.0	-8.54e-05	-2.94e-04
1378	276	9.23e-03	0.38	-0.12	0.0	-3.40e-05	-2.25e-05
1378	304	-0.07	0.05	-0.06	0.0	-3.32e-05	-6.75e-05
1378	307	1.75e-03	0.13	-0.09	0.0	-3.31e-05	-1.89e-05
1378	309	-3.60e-04	0.04	-0.06	0.0	-2.01e-05	-1.08e-05
1378	310	8.20e-05	0.07	-0.08	0.0	-3.37e-05	-1.85e-05
1379	44	-1.37	0.76	-1.80	-2.21e-04	-4.46e-04	2.28e-05

1379	52	-0.36	1.47	-2.04	-3.29e-04	-5.33e-04	1.18e-05
1379	68	-0.30	1.76	-1.81	-3.21e-04	-4.65e-04	9.62e-06
1379	123	-9.11	2.92	-1.52	-3.86e-04	-3.87e-04	7.61e-05
1379	137	0.73	11.26	-1.47	-1.15e-03	-5.10e-04	1.93e-04
1379	143	-3.65	10.41	-1.64	-1.08e-03	-5.47e-04	1.13e-04
1379	155	-10.21	3.26	-1.57	-4.18e-04	-4.02e-04	8.54e-05
1379	169	0.84	12.69	-1.52	-1.28e-03	-5.41e-04	2.16e-04
1379	175	-4.08	11.73	-1.71	-1.20e-03	-5.83e-04	1.27e-04
1379	187	-10.05	3.38	-1.57	-4.28e-04	-4.04e-04	8.93e-05
1379	201	0.85	13.01	-1.53	-1.31e-03	-5.49e-04	2.14e-04
1379	207	-3.99	12.03	-1.72	-1.22e-03	-5.90e-04	1.26e-04
1379	219	-11.65	3.99	-1.66	-4.86e-04	-4.29e-04	1.07e-04
1379	233	1.04	15.40	-1.62	-1.53e-03	-6.02e-04	2.50e-04
1379	239	-4.59	14.24	-1.84	-1.43e-03	-6.50e-04	1.47e-04
1379	264	-0.93	0.53	-1.27	-1.55e-04	-3.11e-04	1.56e-05
1379	268	-0.25	1.00	-1.43	-2.27e-04	-3.68e-04	8.25e-06
1379	276	-0.21	1.19	-1.27	-2.22e-04	-3.23e-04	6.83e-06
1379	298	-0.22	0.47	-1.15	-1.57e-04	-2.91e-04	6.84e-06
1379	305	-0.34	0.45	-1.10	-1.46e-04	-2.74e-04	8.07e-06
1379	307	-0.20	0.58	-1.10	-1.59e-04	-2.77e-04	6.31e-06
1379	310	-0.20	0.44	-1.09	-1.49e-04	-2.73e-04	6.48e-06
1380	43	-0.65	0.21	-0.11	-1.86e-04	-1.21e-04	8.12e-06
1380	52	-0.03	0.48	-0.21	-2.58e-04	-9.75e-05	1.95e-06
1380	68	-0.02	0.67	-0.21	-2.77e-04	-7.15e-05	-2.84e-06
1380	123	-4.80	1.91	0.12	-4.50e-04	-2.37e-04	-3.57e-05
1380	129	0.03	5.74	-0.55	-1.50e-03	2.21e-04	-4.79e-05
1380	141	0.82	5.09	-0.59	-1.39e-03	2.51e-04	-3.00e-05
1380	155	-5.39	2.15	0.15	-4.97e-04	-2.59e-04	-4.07e-05
1380	161	0.04	6.49	-0.60	-1.68e-03	2.57e-04	-5.46e-05
1380	173	0.93	5.75	-0.65	-1.56e-03	2.92e-04	-3.40e-05
1380	187	-5.30	2.21	0.14	-5.14e-04	-2.51e-04	-3.99e-05
1380	193	0.03	6.74	-0.62	-1.74e-03	2.67e-04	-5.53e-05
1380	205	0.93	5.91	-0.66	-1.60e-03	2.98e-04	-3.05e-05
1380	219	-6.16	2.64	0.18	-6.00e-04	-2.79e-04	-4.78e-05
1380	225	0.03	8.10	-0.72	-2.08e-03	3.33e-04	-6.77e-05
1380	237	1.09	7.02	-0.76	-1.88e-03	3.65e-04	-3.54e-05
1380	263	-0.44	0.14	-0.08	-1.29e-04	-8.40e-05	5.75e-06
1380	268	-0.02	0.33	-0.15	-1.77e-04	-6.81e-05	1.63e-06
1380	276	-0.01	0.45	-0.15	-1.90e-04	-5.08e-05	-1.56e-06
1380	305	-0.10	0.10	-0.10	-1.04e-04	-6.41e-05	4.69e-06
1380	307	-0.02	0.16	-0.11	-1.15e-04	-5.67e-05	3.19e-06
1380	310	-0.02	0.08	-0.11	-9.96e-05	-6.00e-05	4.48e-06
1381	42	-0.07	-0.17	0.02	3.37e-04	0.0	-5.76e-05
1381	45	-0.08	-0.17	0.02	3.32e-04	0.0	-5.76e-05
1381	47	-0.07	-0.17	0.02	3.25e-04	0.0	-5.63e-05
1381	122	0.63	-0.26	-0.19	5.09e-04	0.0	-4.21e-05
1381	132	0.10	-1.02	-0.03	2.00e-03	0.0	-1.84e-04
1381	154	0.70	-0.29	-0.21	5.76e-04	0.0	-4.77e-05
1381	164	0.11	-1.15	-0.04	2.26e-03	0.0	-2.08e-04
1381	186	0.69	-0.30	-0.21	5.97e-04	0.0	-4.90e-05
1381	196	0.12	-1.19	-0.04	2.33e-03	0.0	-2.10e-04
1381	218	0.80	-0.37	-0.24	7.17e-04	0.0	-5.87e-05
1381	228	0.14	-1.43	-0.05	2.80e-03	0.0	-2.50e-04
1381	249	0.04	0.05	-0.01	-9.34e-05	0.0	1.85e-05
1381	251	0.05	0.05	-0.01	-9.80e-05	0.0	1.94e-05
1381	262	-0.05	-0.12	0.01	2.26e-04	0.0	-3.85e-05
1381	302	0.02	5.48e-03	-6.35e-03	-9.39e-06	0.0	3.28e-06
1381	303	0.02	7.80e-03	-6.31e-03	-1.34e-05	0.0	4.04e-06
1381	304	-5.24e-04	-0.03	-1.03e-03	5.46e-05	0.0	-8.12e-06
1381	309	0.01	-5.52e-03	-4.58e-03	1.19e-05	0.0	0.0
1381	310	0.02	-3.20e-03	-4.54e-03	7.96e-06	0.0	0.0
1382	44	-1.37	0.75	-1.91	-2.57e-04	-5.07e-04	2.16e-05
1382	52	-0.36	1.46	-2.17	-3.62e-04	-6.14e-04	1.06e-05
1382	68	-0.29	1.75	-1.93	-3.49e-04	-5.25e-04	8.68e-06
1382	123	-9.11	3.53	-1.61	-4.00e-04	-4.50e-04	7.59e-05
1382	137	0.73	11.22	-1.66	-1.16e-03	-5.55e-04	1.93e-04
1382	139	-3.01	9.71	-1.84	-1.02e-03	-6.11e-04	4.22e-05
1382	155	-10.21	3.94	-1.67	-4.31e-04	-4.67e-04	8.53e-05
1382	169	0.85	12.64	-1.72	-1.29e-03	-5.87e-04	2.16e-04
1382	171	-3.35	10.93	-1.93	-1.13e-03	-6.50e-04	4.71e-05
1382	187	-10.05	4.06	-1.67	-4.41e-04	-4.69e-04	8.92e-05
1382	201	0.85	12.96	-1.74	-1.31e-03	-5.95e-04	2.14e-04
1382	203	-3.26	11.22	-1.94	-1.16e-03	-6.57e-04	4.75e-05
1382	219	-11.65	4.79	-1.76	-4.98e-04	-4.98e-04	1.07e-04
1382	233	1.04	15.33	-1.86	-1.53e-03	-6.49e-04	2.51e-04

1382	235	-3.76	13.27	-2.09	-1.35e-03	-7.21e-04	5.55e-05
1382	264	-0.93	0.52	-1.34	-1.80e-04	-3.52e-04	1.48e-05
1382	268	-0.25	0.99	-1.51	-2.50e-04	-4.22e-04	7.46e-06
1382	276	-0.21	1.19	-1.35	-2.41e-04	-3.63e-04	6.17e-06
1382	298	-0.21	0.47	-1.21	-1.77e-04	-3.36e-04	6.17e-06
1382	305	-0.34	0.44	-1.16	-1.65e-04	-3.15e-04	7.42e-06
1382	307	-0.20	0.58	-1.16	-1.77e-04	-3.18e-04	5.69e-06
1382	310	-0.20	0.44	-1.15	-1.67e-04	-3.14e-04	5.85e-06
1383	28	-1.08	0.80	-12.05	-2.75e-04	-3.52e-03	1.81e-05
1383	44	-1.45	0.68	-10.18	-2.49e-04	-2.94e-03	1.98e-05
1383	68	-0.34	1.72	-9.91	-3.02e-04	-2.88e-03	9.66e-06
1383	123	-9.18	3.27	-9.29	-3.83e-04	-2.70e-03	6.41e-05
1383	139	-2.89	10.97	-7.37	-1.05e-03	-2.15e-03	4.02e-05
1383	155	-10.29	3.65	-9.66	-4.16e-04	-2.81e-03	7.19e-05
1383	171	-3.21	12.36	-7.49	-1.17e-03	-2.18e-03	4.49e-05
1383	187	-10.15	3.76	-9.60	-4.27e-04	-2.79e-03	7.56e-05
1383	203	-3.10	12.65	-7.45	-1.19e-03	-2.17e-03	4.57e-05
1383	219	-11.79	4.43	-10.14	-4.87e-04	-2.94e-03	9.07e-05
1383	235	-3.55	14.96	-7.62	-1.39e-03	-2.21e-03	5.36e-05
1383	256	-0.73	0.55	-8.32	-1.91e-04	-2.42e-03	1.24e-05
1383	264	-0.98	0.48	-7.07	-1.74e-04	-2.04e-03	1.36e-05
1383	276	-0.24	1.17	-6.89	-2.09e-04	-2.00e-03	6.78e-06
1383	298	-0.25	0.45	-6.77	-1.46e-04	-1.98e-03	6.85e-06
1383	305	-0.38	0.42	-6.37	-1.41e-04	-1.86e-03	7.66e-06
1383	307	-0.23	0.56	-6.34	-1.48e-04	-1.85e-03	6.31e-06
1383	310	-0.23	0.42	-6.33	-1.39e-04	-1.85e-03	6.40e-06
1384	44	-0.77	0.21	-0.53	0.0	-2.16e-04	2.26e-05
1384	52	-0.07	0.58	-0.63	0.0	-6.97e-05	2.46e-05
1384	68	-0.05	0.80	-0.58	0.0	-5.54e-05	1.94e-05
1384	123	-5.51	2.00	-0.63	0.0	-1.37e-03	8.35e-05
1384	137	1.65	6.35	-0.96	0.0	3.77e-04	1.60e-05
1384	139	-0.58	5.49	-1.07	0.0	-1.69e-04	-6.65e-05
1384	155	-6.19	2.25	-0.67	0.0	-1.54e-03	9.21e-05
1384	169	1.86	7.17	-1.04	0.0	4.28e-04	1.64e-05
1384	171	-0.65	6.20	-1.17	0.0	-1.85e-04	-7.62e-05
1384	187	-6.09	2.32	-0.67	0.0	-1.51e-03	9.17e-05
1384	201	1.80	7.36	-1.06	0.0	4.15e-04	2.01e-05
1384	203	-0.65	6.36	-1.19	0.0	-1.85e-04	-7.07e-05
1384	219	-7.08	2.77	-0.74	0.0	-1.75e-03	1.06e-04
1384	227	-2.95	7.47	-1.36	0.0	-7.00e-04	1.36e-04
1384	233	2.09	8.74	-1.20	0.0	4.90e-04	2.24e-05
1384	264	-0.51	0.15	-0.37	0.0	-1.46e-04	1.60e-05
1384	268	-0.05	0.39	-0.44	0.0	-4.87e-05	1.74e-05
1384	276	-0.03	0.54	-0.41	0.0	-3.91e-05	1.39e-05
1384	298	-0.05	0.11	-0.34	0.0	-4.34e-05	1.56e-05
1384	305	-0.14	0.11	-0.32	0.0	-6.13e-05	1.46e-05
1384	307	-0.04	0.19	-0.33	0.0	-3.99e-05	1.42e-05
1384	310	-0.04	0.11	-0.32	0.0	-4.11e-05	1.49e-05
1385	44	-0.76	0.21	-0.49	0.0	-2.04e-04	2.45e-05
1385	52	-0.06	0.58	-0.56	0.0	-5.85e-05	2.65e-05
1385	68	-0.04	0.80	-0.50	0.0	-4.61e-05	2.10e-05
1385	123	-5.49	2.00	-0.48	0.0	-1.38e-03	7.19e-05
1385	135	-2.68	5.78	-0.58	0.0	-6.62e-04	1.48e-04
1385	137	0.51	6.35	-0.52	0.0	3.87e-04	1.95e-05
1385	155	-6.16	2.25	-0.50	0.0	-1.55e-03	7.90e-05
1385	167	-3.01	6.54	-0.62	0.0	-7.39e-04	1.65e-04
1385	169	0.58	7.17	-0.55	0.0	4.38e-04	2.02e-05
1385	187	-6.06	2.32	-0.50	0.0	-1.52e-03	7.87e-05
1385	199	-2.96	6.78	-0.63	0.0	-7.24e-04	1.67e-04
1385	201	0.59	7.36	-0.55	0.0	4.25e-04	2.37e-05
1385	219	-7.05	2.77	-0.54	0.0	-1.76e-03	9.03e-05
1385	231	-3.45	8.15	-0.69	0.0	-8.37e-04	1.96e-04
1385	233	0.70	8.74	-0.60	0.0	5.00e-04	2.64e-05
1385	264	-0.51	0.15	-0.35	0.0	-1.38e-04	1.73e-05
1385	268	-0.04	0.39	-0.39	0.0	-4.08e-05	1.87e-05
1385	276	-0.03	0.54	-0.35	0.0	-3.26e-05	1.50e-05
1385	298	-0.04	0.11	-0.31	0.0	-3.67e-05	1.67e-05
1385	305	-0.13	0.11	-0.30	0.0	-5.47e-05	1.57e-05
1385	307	-0.04	0.19	-0.30	0.0	-3.36e-05	1.52e-05
1385	310	-0.04	0.11	-0.30	0.0	-3.47e-05	1.59e-05
1386	44	-0.88	0.31	-0.58	0.0	-2.04e-04	4.97e-05
1386	52	-0.11	0.75	-0.69	0.0	-6.54e-05	4.95e-05
1386	68	-0.08	0.98	-0.63	0.0	-5.25e-05	3.99e-05
1386	123	-6.25	1.85	-0.67	0.0	-1.35e-03	1.45e-04
1386	137	1.84	7.27	-1.00	0.0	3.69e-04	1.60e-05

1386	139	-0.68	6.29	-1.12	0.0	-1.67e-04	-6.19e-05
1386	155	-7.01	2.08	-0.71	0.0	-1.51e-03	1.59e-04
1386	169	2.08	8.20	-1.09	0.0	4.19e-04	1.46e-05
1386	171	-0.75	7.10	-1.22	0.0	-1.83e-04	-7.26e-05
1386	187	-6.90	2.16	-0.72	0.0	-1.48e-03	1.58e-04
1386	201	2.01	8.42	-1.11	0.0	4.06e-04	1.87e-05
1386	203	-0.76	7.28	-1.24	0.0	-1.83e-04	-6.60e-05
1386	219	-8.01	2.58	-0.79	0.0	-1.72e-03	1.80e-04
1386	227	-3.32	8.54	-1.42	0.0	-6.91e-04	1.52e-04
1386	233	2.34	9.99	-1.25	0.0	4.78e-04	1.85e-05
1386	264	-0.59	0.21	-0.41	0.0	-1.38e-04	3.49e-05
1386	268	-0.07	0.50	-0.48	0.0	-4.57e-05	3.48e-05
1386	276	-0.06	0.66	-0.44	0.0	-3.70e-05	2.84e-05
1386	298	-0.07	0.18	-0.37	0.0	-4.05e-05	3.05e-05
1386	305	-0.17	0.17	-0.35	0.0	-5.75e-05	2.94e-05
1386	307	-0.06	0.26	-0.36	0.0	-3.73e-05	2.81e-05
1386	310	-0.07	0.17	-0.35	0.0	-3.83e-05	2.91e-05
1387	44	-0.87	0.31	-0.54	0.0	-1.94e-04	5.08e-05
1387	52	-0.09	0.75	-0.62	0.0	-5.54e-05	5.07e-05
1387	68	-0.06	0.98	-0.55	0.0	-4.40e-05	4.09e-05
1387	123	-6.20	1.85	-0.52	0.0	-1.33e-03	1.41e-04
1387	135	-3.02	6.48	-0.63	0.0	-6.40e-04	1.81e-04
1387	137	1.86	7.27	-0.56	0.0	3.72e-04	1.74e-05
1387	155	-6.96	2.08	-0.55	0.0	-1.49e-03	1.55e-04
1387	167	-3.38	7.32	-0.67	0.0	-7.15e-04	2.00e-04
1387	169	2.09	8.20	-0.59	0.0	4.21e-04	1.62e-05
1387	187	-6.85	2.16	-0.55	0.0	-1.47e-03	1.53e-04
1387	199	-3.33	7.60	-0.68	0.0	-7.01e-04	1.99e-04
1387	201	2.03	8.42	-0.60	0.0	4.09e-04	2.03e-05
1387	219	-7.96	2.58	-0.59	0.0	-1.70e-03	1.75e-04
1387	231	-3.88	9.13	-0.75	0.0	-8.10e-04	2.30e-04
1387	233	2.36	9.99	-0.65	0.0	4.80e-04	2.02e-05
1387	264	-0.58	0.21	-0.38	0.0	-1.31e-04	3.57e-05
1387	268	-0.06	0.51	-0.43	0.0	-3.87e-05	3.56e-05
1387	276	-0.05	0.66	-0.39	0.0	-3.11e-05	2.91e-05
1387	298	-0.06	0.18	-0.34	0.0	-3.47e-05	3.12e-05
1387	305	-0.16	0.17	-0.33	0.0	-5.19e-05	3.00e-05
1387	307	-0.05	0.26	-0.33	0.0	-3.18e-05	2.87e-05
1387	310	-0.06	0.17	-0.33	0.0	-3.28e-05	2.97e-05
1388	44	-0.99	0.42	-0.62	0.0	-1.96e-04	7.04e-05
1388	52	-0.14	0.91	-0.73	0.0	-7.03e-05	6.81e-05
1388	68	-0.10	1.16	-0.67	0.0	-5.78e-05	5.58e-05
1388	123	-6.96	2.12	-0.71	0.0	-1.28e-03	1.74e-04
1388	137	2.04	8.19	-1.03	0.0	3.45e-04	1.72e-05
1388	139	-0.77	7.09	-1.15	0.0	-1.65e-04	-6.68e-05
1388	155	-7.81	2.38	-0.75	0.0	-1.44e-03	1.91e-04
1388	169	2.30	9.24	-1.12	0.0	3.91e-04	1.47e-05
1388	171	-0.85	8.00	-1.25	0.0	-1.81e-04	-7.95e-05
1388	187	-7.69	2.47	-0.75	0.0	-1.42e-03	1.89e-04
1388	201	2.22	9.48	-1.14	0.0	3.79e-04	1.84e-05
1388	203	-0.86	8.21	-1.27	0.0	-1.82e-04	-7.29e-05
1388	219	-8.93	2.94	-0.83	0.0	-1.64e-03	2.14e-04
1388	227	-3.68	9.62	-1.45	0.0	-6.76e-04	1.67e-04
1388	233	2.59	11.24	-1.28	0.0	4.46e-04	1.61e-05
1388	264	-0.66	0.29	-0.44	0.0	-1.33e-04	4.93e-05
1388	268	-0.10	0.62	-0.51	0.0	-4.91e-05	4.78e-05
1388	276	-0.07	0.78	-0.47	0.0	-4.07e-05	3.95e-05
1388	298	-0.09	0.25	-0.39	0.0	-4.25e-05	4.13e-05
1388	305	-0.20	0.24	-0.38	0.0	-5.79e-05	4.01e-05
1388	307	-0.08	0.34	-0.38	0.0	-3.95e-05	3.82e-05
1388	310	-0.09	0.24	-0.37	0.0	-4.02e-05	3.93e-05
1389	44	-0.96	0.42	-0.58	0.0	-1.88e-04	7.11e-05
1389	52	-0.12	0.91	-0.65	0.0	-6.13e-05	6.85e-05
1389	68	-0.09	1.16	-0.59	0.0	-4.99e-05	5.61e-05
1389	123	-6.90	2.12	-0.56	0.0	-1.30e-03	1.68e-04
1389	135	-3.36	7.31	-0.66	0.0	-6.30e-04	2.02e-04
1389	137	2.06	8.19	-0.59	0.0	3.57e-04	1.89e-05
1389	155	-7.75	2.38	-0.58	0.0	-1.45e-03	1.83e-04
1389	167	-3.76	8.25	-0.71	0.0	-7.04e-04	2.22e-04
1389	169	2.31	9.24	-0.62	0.0	4.05e-04	1.65e-05
1389	187	-7.63	2.47	-0.58	0.0	-1.43e-03	1.81e-04
1389	199	-3.70	8.56	-0.72	0.0	-6.90e-04	2.20e-04
1389	201	2.24	9.48	-0.63	0.0	3.92e-04	2.02e-05
1389	219	-8.86	2.94	-0.63	0.0	-1.65e-03	2.06e-04
1389	231	-4.30	10.28	-0.79	0.0	-7.98e-04	2.53e-04

1389	233	2.62	11.24	-0.68	0.0	4.61e-04	1.81e-05
1389	264	-0.65	0.29	-0.41	0.0	-1.27e-04	4.98e-05
1389	268	-0.08	0.62	-0.46	0.0	-4.28e-05	4.80e-05
1389	276	-0.06	0.78	-0.41	0.0	-3.52e-05	3.97e-05
1389	298	-0.08	0.25	-0.37	0.0	-3.75e-05	4.15e-05
1389	305	-0.19	0.24	-0.35	0.0	-5.32e-05	4.04e-05
1389	307	-0.07	0.34	-0.35	0.0	-3.47e-05	3.84e-05
1389	310	-0.07	0.24	-0.35	0.0	-3.55e-05	3.95e-05
1390	44	-1.08	0.52	-0.65	0.0	-1.95e-04	8.86e-05
1390	52	-0.17	1.07	-0.76	0.0	-8.81e-05	9.28e-05
1390	68	-0.13	1.32	-0.70	0.0	-7.44e-05	7.79e-05
1390	123	-7.59	2.37	-0.73	0.0	-1.19e-03	1.18e-04
1390	137	2.20	9.05	-1.04	0.0	6.18e-05	5.71e-05
1390	139	-0.85	7.84	-1.17	0.0	-4.07e-04	-6.70e-05
1390	155	-8.52	2.65	-0.77	0.0	-1.33e-03	1.26e-04
1390	169	2.49	10.20	-1.13	0.0	7.56e-05	5.81e-05
1390	171	-0.94	8.83	-1.27	0.0	-4.50e-04	-8.11e-05
1390	187	-8.38	2.76	-0.78	0.0	-1.31e-03	1.25e-04
1390	201	2.41	10.47	-1.15	0.0	7.69e-05	6.31e-05
1390	203	-0.95	9.06	-1.29	0.0	-4.38e-04	-7.33e-05
1390	219	-9.73	3.27	-0.85	0.0	-1.52e-03	1.38e-04
1390	227	-4.02	10.61	-1.46	0.0	-6.61e-04	1.81e-04
1390	233	2.81	12.40	-1.30	0.0	9.94e-05	6.70e-05
1390	264	-0.73	0.36	-0.46	0.0	-1.33e-04	6.20e-05
1390	268	-0.12	0.73	-0.53	0.0	-6.14e-05	6.49e-05
1390	276	-0.09	0.90	-0.49	0.0	-5.22e-05	5.49e-05
1390	298	-0.11	0.32	-0.41	0.0	-5.15e-05	5.45e-05
1390	305	-0.23	0.30	-0.39	0.0	-6.44e-05	5.23e-05
1390	307	-0.10	0.41	-0.40	0.0	-4.83e-05	5.09e-05
1390	310	-0.11	0.30	-0.39	0.0	-4.87e-05	5.17e-05
1391	44	-1.05	0.52	-0.61	0.0	-1.90e-04	8.79e-05
1391	52	-0.14	1.07	-0.69	0.0	-8.04e-05	9.07e-05
1391	68	-0.11	1.32	-0.61	0.0	-6.75e-05	7.60e-05
1391	123	-7.56	2.37	-0.58	0.0	-1.23e-03	1.26e-04
1391	135	-3.67	8.07	-0.69	0.0	-6.15e-04	2.12e-04
1391	137	2.24	9.05	-0.61	0.0	7.67e-05	5.18e-05
1391	155	-8.48	2.65	-0.61	0.0	-1.38e-03	1.35e-04
1391	167	-4.11	9.11	-0.73	0.0	-6.86e-04	2.33e-04
1391	169	2.52	10.20	-0.64	0.0	9.18e-05	5.22e-05
1391	187	-8.35	2.76	-0.61	0.0	-1.36e-03	1.34e-04
1391	199	-4.05	9.46	-0.74	0.0	-6.74e-04	2.32e-04
1391	201	2.44	10.47	-0.65	0.0	9.29e-05	5.72e-05
1391	219	-9.69	3.27	-0.66	0.0	-1.57e-03	1.49e-04
1391	231	-4.70	11.34	-0.82	0.0	-7.79e-04	2.67e-04
1391	233	2.85	12.40	-0.71	0.0	1.17e-04	6.02e-05
1391	264	-0.71	0.36	-0.43	0.0	-1.29e-04	6.15e-05
1391	268	-0.10	0.73	-0.48	0.0	-5.61e-05	6.34e-05
1391	276	-0.08	0.90	-0.43	0.0	-4.74e-05	5.36e-05
1391	298	-0.09	0.32	-0.38	0.0	-4.75e-05	5.34e-05
1391	305	-0.21	0.30	-0.37	0.0	-6.08e-05	5.14e-05
1391	307	-0.08	0.41	-0.37	0.0	-4.45e-05	4.98e-05
1391	310	-0.09	0.30	-0.37	0.0	-4.50e-05	5.07e-05
1392	44	-1.18	0.63	-0.68	0.0	-2.01e-04	1.03e-04
1392	52	-0.23	1.22	-0.79	0.0	-1.16e-04	1.23e-04
1392	68	-0.18	1.49	-0.72	0.0	-1.00e-04	1.05e-04
1392	123	-8.15	2.62	-0.75	0.0	-1.09e-03	-3.89e-05
1392	137	2.34	9.88	-1.05	0.0	1.66e-05	9.56e-05
1392	139	-0.93	8.57	-1.17	0.0	-4.02e-04	-1.08e-04
1392	155	-9.14	2.92	-0.79	0.0	-1.21e-03	-5.15e-05
1392	169	2.64	11.13	-1.13	0.0	2.62e-05	9.92e-05
1392	171	-1.03	9.65	-1.27	0.0	-4.44e-04	-1.30e-04
1392	187	-9.00	3.04	-0.80	0.0	-1.20e-03	-4.67e-05
1392	201	2.56	11.43	-1.15	0.0	2.59e-05	9.97e-05
1392	203	-1.04	9.90	-1.29	0.0	-4.34e-04	-1.26e-04
1392	219	-10.44	3.60	-0.87	0.0	-1.38e-03	-6.24e-05
1392	227	-4.34	11.59	-1.47	0.0	-6.53e-04	2.01e-04
1392	233	2.99	13.53	-1.30	0.0	4.12e-05	1.05e-04
1392	264	-0.80	0.43	-0.48	0.0	-1.37e-04	7.23e-05
1392	268	-0.16	0.83	-0.55	0.0	-8.06e-05	8.53e-05
1392	276	-0.13	1.01	-0.51	0.0	-6.99e-05	7.35e-05
1392	298	-0.14	0.38	-0.43	0.0	-6.59e-05	6.95e-05
1392	305	-0.26	0.36	-0.41	0.0	-7.58e-05	6.53e-05
1392	307	-0.13	0.48	-0.42	0.0	-6.23e-05	6.55e-05
1392	310	-0.13	0.36	-0.41	0.0	-6.22e-05	6.58e-05
1393	44	-1.15	0.63	-0.63	0.0	-2.06e-04	1.05e-04

1393	52	-0.18	1.22	-0.72	0.0	-1.20e-04	1.25e-04
1393	68	-0.14	1.49	-0.64	0.0	-1.03e-04	1.07e-04
1393	123	-8.17	2.62	-0.61	0.0	-1.12e-03	-4.19e-05
1393	135	-3.98	8.82	-0.71	0.0	-5.91e-04	2.07e-04
1393	137	2.40	9.88	-0.63	0.0	2.99e-05	9.86e-05
1393	155	-9.17	2.92	-0.64	0.0	-1.25e-03	-5.51e-05
1393	167	-4.46	9.95	-0.76	0.0	-6.57e-04	2.26e-04
1393	169	2.70	11.13	-0.66	0.0	4.16e-05	1.02e-04
1393	187	-9.02	3.04	-0.64	0.0	-1.23e-03	-5.03e-05
1393	199	-4.38	10.33	-0.77	0.0	-6.49e-04	2.31e-04
1393	201	2.62	11.43	-0.67	0.0	4.19e-05	1.03e-04
1393	219	-10.47	3.60	-0.68	0.0	-1.42e-03	-6.67e-05
1393	231	-5.09	12.38	-0.84	0.0	-7.48e-04	2.67e-04
1393	233	3.06	13.53	-0.73	0.0	6.07e-05	1.09e-04
1393	264	-0.77	0.43	-0.45	0.0	-1.40e-04	7.35e-05
1393	268	-0.13	0.83	-0.50	0.0	-8.35e-05	8.67e-05
1393	276	-0.10	1.01	-0.45	0.0	-7.22e-05	7.48e-05
1393	298	-0.12	0.38	-0.40	0.0	-6.85e-05	7.06e-05
1393	305	-0.24	0.36	-0.39	0.0	-7.84e-05	6.63e-05
1393	307	-0.11	0.48	-0.39	0.0	-6.47e-05	6.66e-05
1393	310	-0.11	0.36	-0.38	0.0	-6.47e-05	6.68e-05
1394	44	-1.28	0.72	-0.71	0.0	-2.09e-04	7.19e-05
1394	52	-0.29	1.36	-0.82	0.0	-1.42e-04	8.45e-05
1394	68	-0.23	1.64	-0.75	0.0	-1.24e-04	7.19e-05
1394	123	-8.65	2.86	-0.77	0.0	-9.98e-04	-3.47e-05
1394	137	0.67	10.69	-1.05	0.0	-3.37e-05	5.55e-05
1394	139	-2.80	9.27	-1.17	0.0	-4.10e-04	-1.52e-04
1394	155	-9.71	3.18	-0.81	0.0	-1.11e-03	-4.41e-05
1394	169	0.77	12.04	-1.13	0.0	-2.91e-05	5.64e-05
1394	171	-3.12	10.43	-1.27	0.0	-4.51e-04	-1.76e-04
1394	187	-9.55	3.30	-0.82	0.0	-1.10e-03	-3.92e-05
1394	201	0.78	12.36	-1.15	0.0	-3.14e-05	5.53e-05
1394	203	-3.03	10.71	-1.29	0.0	-4.44e-04	-1.74e-04
1394	219	-11.08	3.91	-0.89	0.0	-1.27e-03	-4.97e-05
1394	227	-4.66	12.53	-1.46	0.0	-6.49e-04	2.27e-04
1394	233	0.95	14.63	-1.29	0.0	-2.50e-05	5.60e-05
1394	264	-0.86	0.50	-0.50	0.0	-1.43e-04	5.03e-05
1394	268	-0.20	0.93	-0.57	0.0	-9.86e-05	5.87e-05
1394	276	-0.17	1.11	-0.53	0.0	-8.62e-05	5.02e-05
1394	298	-0.18	0.44	-0.45	0.0	-7.94e-05	4.76e-05
1394	305	-0.30	0.42	-0.43	0.0	-8.68e-05	4.48e-05
1394	307	-0.16	0.54	-0.44	0.0	-7.55e-05	4.48e-05
1394	310	-0.17	0.41	-0.43	0.0	-7.49e-05	4.49e-05
1395	44	-1.26	0.72	-0.67	0.0	-2.24e-04	7.17e-05
1395	52	-0.26	1.37	-0.75	0.0	-1.62e-04	8.28e-05
1395	68	-0.21	1.64	-0.67	0.0	-1.41e-04	7.03e-05
1395	123	-8.68	2.86	-0.63	0.0	-9.90e-04	-2.07e-05
1395	135	-4.26	9.54	-0.74	0.0	-5.68e-04	2.29e-04
1395	137	0.72	10.69	-0.65	0.0	-3.48e-05	5.55e-05
1395	155	-9.74	3.18	-0.66	0.0	-1.10e-03	-2.83e-05
1395	167	-4.77	10.76	-0.78	0.0	-6.29e-04	2.54e-04
1395	169	0.83	12.04	-0.68	0.0	-2.89e-05	5.66e-05
1395	187	-9.58	3.30	-0.66	0.0	-1.09e-03	-2.37e-05
1395	199	-4.70	11.17	-0.79	0.0	-6.25e-04	2.61e-04
1395	201	0.83	12.36	-0.69	0.0	-3.08e-05	5.61e-05
1395	219	-11.12	3.91	-0.71	0.0	-1.25e-03	-3.16e-05
1395	231	-5.45	13.38	-0.87	0.0	-7.19e-04	3.06e-04
1395	233	1.01	14.63	-0.75	0.0	-2.21e-05	5.73e-05
1395	264	-0.85	0.50	-0.47	0.0	-1.54e-04	5.01e-05
1395	268	-0.18	0.93	-0.53	0.0	-1.12e-04	5.75e-05
1395	276	-0.15	1.11	-0.47	0.0	-9.82e-05	4.91e-05
1395	298	-0.16	0.44	-0.42	0.0	-9.08e-05	4.68e-05
1395	305	-0.29	0.42	-0.41	0.0	-9.73e-05	4.41e-05
1395	307	-0.15	0.54	-0.41	0.0	-8.62e-05	4.40e-05
1395	310	-0.15	0.41	-0.40	0.0	-8.57e-05	4.41e-05
1396	44	-1.38	0.81	-0.78	0.0	-4.34e-04	1.40e-05
1396	52	-0.37	1.49	-0.90	0.0	-2.89e-04	-5.46e-06
1396	68	-0.30	1.78	-0.82	0.0	-2.47e-04	-4.56e-06
1396	123	-9.11	3.08	-0.80	0.0	-6.42e-04	2.57e-05
1396	137	0.65	11.46	-1.07	0.0	-1.40e-04	1.90e-04
1396	139	-2.98	9.94	-1.19	0.0	-3.39e-04	1.46e-05
1396	155	-10.21	3.43	-0.85	0.0	-7.03e-04	2.98e-05
1396	169	0.76	12.91	-1.15	0.0	-1.39e-04	2.14e-04
1396	171	-3.32	11.19	-1.28	0.0	-3.62e-04	1.71e-05
1396	187	-10.05	3.56	-0.85	0.0	-6.95e-04	3.33e-05

1396	201	0.77	13.25	-1.17	0.0	-1.41e-04	2.12e-04
1396	203	-3.22	11.48	-1.30	0.0	-3.58e-04	1.77e-05
1396	219	-11.66	4.21	-0.93	0.0	-7.84e-04	4.27e-05
1396	227	-4.98	13.42	-1.46	0.0	-4.83e-04	2.46e-04
1396	233	0.94	15.68	-1.30	0.0	-1.39e-04	2.49e-04
1396	264	-0.93	0.56	-0.55	0.0	-2.97e-04	9.34e-06
1396	268	-0.26	1.02	-0.63	0.0	-2.00e-04	-3.62e-06
1396	276	-0.21	1.21	-0.57	0.0	-1.72e-04	-3.02e-06
1396	298	-0.22	0.48	-0.49	0.0	-1.62e-04	-2.99e-06
1396	305	-0.35	0.47	-0.47	0.0	-1.78e-04	0.0
1396	307	-0.20	0.59	-0.48	0.0	-1.53e-04	-2.83e-06
1396	310	-0.21	0.46	-0.47	0.0	-1.53e-04	-2.70e-06
1397	44	-1.38	0.81	-0.74	0.0	-3.91e-04	2.92e-05
1397	52	-0.37	1.49	-0.83	0.0	-3.08e-04	0.0
1397	68	-0.30	1.78	-0.74	0.0	-2.64e-04	0.0
1397	123	-9.11	3.08	-0.68	0.0	-7.11e-04	4.14e-05
1397	135	-4.53	10.23	-0.78	0.0	-4.61e-04	2.50e-04
1397	137	0.69	11.46	-0.69	0.0	-1.33e-04	1.89e-04
1397	155	-10.21	3.43	-0.71	0.0	-7.79e-04	4.70e-05
1397	167	-5.07	11.54	-0.83	0.0	-4.99e-04	2.83e-04
1397	169	0.80	12.91	-0.73	0.0	-1.30e-04	2.12e-04
1397	187	-10.05	3.56	-0.71	0.0	-7.69e-04	5.04e-05
1397	199	-4.99	11.97	-0.84	0.0	-4.96e-04	2.91e-04
1397	201	0.81	13.25	-0.74	0.0	-1.31e-04	2.10e-04
1397	219	-11.66	4.21	-0.76	0.0	-8.68e-04	6.21e-05
1397	231	-5.79	14.34	-0.92	0.0	-5.54e-04	3.49e-04
1397	233	0.99	15.68	-0.79	0.0	-1.26e-04	2.46e-04
1397	264	-0.93	0.56	-0.52	0.0	-2.69e-04	1.96e-05
1397	268	-0.25	1.02	-0.58	0.0	-2.13e-04	0.0
1397	276	-0.21	1.21	-0.52	0.0	-1.84e-04	0.0
1397	298	-0.22	0.48	-0.47	0.0	-1.73e-04	0.0
1397	305	-0.35	0.47	-0.45	0.0	-1.80e-04	4.44e-06
1397	307	-0.20	0.59	-0.45	0.0	-1.63e-04	0.0
1397	310	-0.21	0.46	-0.45	0.0	-1.63e-04	0.0
1398	4	0.24	0.19	-0.15	0.0	1.18e-04	1.34e-04
1398	44	-1.13	0.26	-0.09	0.0	-6.84e-04	-5.44e-04
1398	68	-0.05	0.75	-0.14	0.0	-5.48e-05	-2.30e-05
1398	123	-5.50	2.08	0.05	0.0	-1.40e-03	-3.49e-05
1398	125	4.94	1.50	-0.27	0.0	1.20e-03	3.80e-05
1398	129	0.11	6.25	-0.20	0.0	-4.44e-06	1.90e-04
1398	155	-6.18	2.34	0.07	0.0	-1.57e-03	-3.73e-05
1398	157	5.56	1.69	-0.29	0.0	1.36e-03	4.40e-05
1398	161	0.13	7.07	-0.22	0.0	0.0	2.16e-04
1398	187	-6.08	2.42	0.06	0.0	-1.54e-03	-3.28e-05
1398	189	5.47	1.74	-0.29	0.0	1.34e-03	4.11e-05
1398	193	0.12	7.33	-0.22	0.0	0.0	2.19e-04
1398	219	-7.06	2.88	0.08	0.0	-1.79e-03	-3.39e-05
1398	221	6.37	2.06	-0.32	0.0	1.56e-03	4.92e-05
1398	225	0.14	8.81	-0.25	0.0	5.16e-06	2.64e-04
1398	244	0.16	0.13	-0.10	0.0	7.65e-05	8.88e-05
1398	264	-0.76	0.18	-0.07	0.0	-4.58e-04	-3.64e-04
1398	276	-0.04	0.51	-0.10	0.0	-3.85e-05	-1.60e-05
1398	298	-0.05	0.12	-0.09	0.0	-4.02e-05	-1.28e-05
1398	305	-0.18	0.12	-0.08	0.0	-1.21e-04	-8.21e-05
1398	307	-0.04	0.19	-0.08	0.0	-3.73e-05	-1.26e-05
1398	310	-0.04	0.11	-0.08	0.0	-3.80e-05	-1.22e-05
1399	4	0.30	0.26	-0.16	0.0	5.93e-05	2.24e-04
1399	44	-1.48	0.33	-0.11	0.0	-5.06e-04	-9.19e-04
1399	68	-0.08	0.87	-0.15	0.0	-5.88e-05	-3.93e-05
1399	123	-6.22	2.30	0.05	0.0	-1.32e-03	-9.02e-05
1399	125	5.56	1.69	-0.29	0.0	1.13e-03	7.67e-05
1399	129	0.11	6.89	-0.22	0.0	-1.15e-06	2.03e-04
1399	155	-6.98	2.59	0.07	0.0	-1.47e-03	-9.81e-05
1399	157	6.25	1.90	-0.32	0.0	1.27e-03	8.86e-05
1399	161	0.13	7.79	-0.24	0.0	3.69e-06	2.32e-04
1399	187	-6.87	2.67	0.07	0.0	-1.45e-03	-9.17e-05
1399	189	6.16	1.96	-0.32	0.0	1.25e-03	8.42e-05
1399	193	0.13	8.08	-0.24	0.0	4.14e-06	2.35e-04
1399	219	-7.97	3.17	0.09	0.0	-1.68e-03	-1.01e-04
1399	221	7.17	2.31	-0.36	0.0	1.46e-03	1.01e-04
1399	225	0.15	9.70	-0.27	0.0	1.09e-05	2.85e-04
1399	244	0.20	0.18	-0.12	0.0	3.74e-05	1.48e-04
1399	264	-0.99	0.22	-0.08	0.0	-3.40e-04	-6.14e-04
1399	276	-0.06	0.58	-0.11	0.0	-4.13e-05	-2.74e-05
1399	298	-0.07	0.16	-0.10	0.0	-4.24e-05	-2.30e-05

1399	305	-0.25	0.16	-0.09	0.0	-9.92e-05	-1.40e-04
1399	307	-0.06	0.23	-0.09	0.0	-3.95e-05	-2.22e-05
1399	310	-0.06	0.15	-0.09	0.0	-4.01e-05	-2.18e-05
1400	4	0.32	0.37	-0.17	0.0	-1.97e-05	2.66e-04
1400	44	-1.70	0.43	-0.11	0.0	-2.82e-04	-1.13e-03
1400	68	-0.11	1.05	-0.16	0.0	-6.73e-05	-5.40e-05
1400	123	-6.90	2.65	0.06	0.0	-1.25e-03	-9.15e-05
1400	125	6.14	2.00	-0.32	0.0	1.05e-03	6.46e-05
1400	129	0.11	7.92	-0.23	0.0	-6.36e-06	2.09e-04
1400	155	-7.75	2.97	0.08	0.0	-1.39e-03	-9.84e-05
1400	157	6.92	2.24	-0.34	0.0	1.19e-03	7.60e-05
1400	161	0.14	8.95	-0.25	0.0	-1.61e-06	2.39e-04
1400	187	-7.62	3.06	0.08	0.0	-1.37e-03	-9.09e-05
1400	189	6.81	2.31	-0.34	0.0	1.17e-03	7.07e-05
1400	193	0.13	9.28	-0.25	0.0	-1.50e-06	2.43e-04
1400	219	-8.85	3.64	0.10	0.0	-1.59e-03	-9.80e-05
1400	221	7.93	2.71	-0.38	0.0	1.37e-03	8.65e-05
1400	225	0.16	11.14	-0.28	0.0	5.07e-06	2.95e-04
1400	244	0.21	0.26	-0.12	0.0	-1.55e-05	1.76e-04
1400	264	-1.14	0.30	-0.08	0.0	-1.90e-04	-7.52e-04
1400	276	-0.08	0.71	-0.12	0.0	-4.73e-05	-3.76e-05
1400	298	-0.09	0.22	-0.10	0.0	-4.77e-05	-3.18e-05
1400	305	-0.29	0.22	-0.09	0.0	-7.32e-05	-1.74e-04
1400	307	-0.08	0.30	-0.10	0.0	-4.45e-05	-3.08e-05
1400	310	-0.08	0.21	-0.10	0.0	-4.50e-05	-3.01e-05
1401	18	0.59	0.13	-0.07	0.0	4.30e-04	1.76e-04
1401	44	-1.41	0.26	-0.04	0.0	-1.08e-03	-4.14e-04
1401	68	-0.07	0.75	-0.04	0.0	-6.91e-05	-2.39e-05
1401	123	-5.53	2.08	0.09	0.0	-1.38e-03	-3.50e-05
1401	129	0.18	6.25	0.09	0.0	1.09e-05	1.85e-04
1401	134	2.48	-5.66	-0.23	0.0	5.63e-04	-1.34e-04
1401	155	-6.21	2.34	0.11	0.0	-1.55e-03	-3.72e-05
1401	161	0.21	7.06	0.11	0.0	1.81e-05	2.11e-04
1401	166	2.80	-6.43	-0.25	0.0	6.38e-04	-1.50e-04
1401	187	-6.11	2.41	0.11	0.0	-1.52e-03	-3.27e-05
1401	193	0.20	7.33	0.12	0.0	1.95e-05	2.14e-04
1401	198	2.74	-6.68	-0.26	0.0	6.24e-04	-1.55e-04
1401	219	-7.10	2.88	0.13	0.0	-1.76e-03	-3.38e-05
1401	225	0.24	8.81	0.15	0.0	3.06e-05	2.57e-04
1401	230	3.20	-8.07	-0.30	0.0	7.33e-04	-1.84e-04
1401	251	0.39	0.09	-0.05	0.0	2.84e-04	1.16e-04
1401	264	-0.94	0.18	-0.03	0.0	-7.21e-04	-2.76e-04
1401	276	-0.05	0.51	-0.03	0.0	-4.85e-05	-1.66e-05
1401	303	0.04	0.10	-0.05	0.0	2.10e-05	1.35e-05
1401	305	-0.23	0.12	-0.04	0.0	-1.80e-04	-6.51e-05
1401	307	-0.05	0.19	-0.04	0.0	-4.55e-05	-1.31e-05
1401	310	-0.05	0.11	-0.04	0.0	-4.60e-05	-1.27e-05
1402	18	0.81	0.19	-0.08	0.0	2.77e-04	3.08e-04
1402	44	-1.98	0.32	-0.04	0.0	-7.77e-04	-7.13e-04
1402	68	-0.10	0.85	-0.05	0.0	-7.11e-05	-3.65e-05
1402	123	-6.27	2.28	0.10	0.0	-1.32e-03	-8.29e-05
1402	129	0.18	6.82	0.10	0.0	7.99e-06	2.03e-04
1402	134	2.78	-6.13	-0.25	0.0	5.36e-04	-1.40e-04
1402	155	-7.04	2.56	0.12	0.0	-1.48e-03	-9.01e-05
1402	161	0.22	7.71	0.12	0.0	1.49e-05	2.31e-04
1402	166	3.14	-6.97	-0.28	0.0	6.08e-04	-1.56e-04
1402	187	-6.93	2.64	0.12	0.0	-1.45e-03	-8.34e-05
1402	193	0.21	8.00	0.13	0.0	1.57e-05	2.34e-04
1402	198	3.08	-7.24	-0.28	0.0	5.94e-04	-1.62e-04
1402	219	-8.04	3.14	0.15	0.0	-1.68e-03	-9.13e-05
1402	225	0.26	9.61	0.16	0.0	2.61e-05	2.83e-04
1402	230	3.60	-8.76	-0.33	0.0	6.99e-04	-1.92e-04
1402	251	0.54	0.13	-0.06	0.0	1.82e-04	2.04e-04
1402	264	-1.32	0.22	-0.03	0.0	-5.20e-04	-4.77e-04
1402	276	-0.07	0.58	-0.04	0.0	-4.98e-05	-2.54e-05
1402	303	0.05	0.14	-0.05	0.0	0.0	2.55e-05
1402	305	-0.32	0.16	-0.05	0.0	-1.41e-04	-1.11e-04
1402	307	-0.07	0.23	-0.05	0.0	-4.66e-05	-2.04e-05
1402	310	-0.07	0.14	-0.05	0.0	-4.71e-05	-1.99e-05
1403	18	0.92	0.29	-0.09	0.0	7.03e-05	4.24e-04
1403	44	-2.32	0.43	-0.04	0.0	-3.71e-04	-9.79e-04
1403	68	-0.14	1.04	-0.05	0.0	-7.34e-05	-4.86e-05
1403	123	-6.96	2.65	0.11	0.0	-1.23e-03	-8.26e-05
1403	129	0.19	7.92	0.09	0.0	5.64e-06	2.12e-04
1403	134	3.06	-7.03	-0.26	0.0	4.93e-04	-1.62e-04

1403	155	-7.81	2.97	0.13	0.0	-1.38e-03	-8.88e-05
1403	161	0.22	8.95	0.11	0.0	1.23e-05	2.43e-04
1403	166	3.45	-8.00	-0.28	0.0	5.60e-04	-1.80e-04
1403	187	-7.68	3.06	0.13	0.0	-1.35e-03	-8.14e-05
1403	193	0.22	9.28	0.12	0.0	1.25e-05	2.46e-04
1403	198	3.39	-8.31	-0.29	0.0	5.48e-04	-1.86e-04
1403	219	-8.91	3.64	0.16	0.0	-1.56e-03	-8.75e-05
1403	225	0.27	11.14	0.16	0.0	2.24e-05	2.98e-04
1403	230	3.96	-10.06	-0.33	0.0	6.45e-04	-2.19e-04
1403	251	0.61	0.20	-0.06	0.0	4.43e-05	2.81e-04
1403	264	-1.55	0.30	-0.04	0.0	-2.50e-04	-6.54e-04
1403	276	-0.10	0.71	-0.04	0.0	-5.15e-05	-3.38e-05
1403	303	0.04	0.20	-0.05	0.0	-2.88e-05	3.55e-05
1403	305	-0.39	0.22	-0.05	0.0	-8.76e-05	-1.51e-04
1403	307	-0.10	0.30	-0.05	0.0	-4.80e-05	-2.75e-05
1403	310	-0.10	0.21	-0.05	0.0	-4.84e-05	-2.68e-05
1404	44	-1.59	0.25	0.01	0.0	-1.36e-03	-2.85e-04
1404	68	-0.08	0.74	0.04	0.0	-8.11e-05	-2.18e-05
1404	89	-0.06	-0.20	-0.05	0.0	-4.89e-05	-9.23e-06
1404	123	-5.56	2.08	0.17	0.0	-1.45e-03	-3.39e-05
1404	129	0.25	6.25	0.43	0.0	1.41e-05	1.87e-04
1404	132	-0.36	-6.04	-0.45	0.0	-1.20e-04	-2.10e-04
1404	155	-6.24	2.34	0.19	0.0	-1.62e-03	-3.61e-05
1404	161	0.28	7.07	0.49	0.0	2.26e-05	2.13e-04
1404	164	-0.40	-6.85	-0.51	0.0	-1.28e-04	-2.36e-04
1404	187	-6.14	2.41	0.19	0.0	-1.60e-03	-3.10e-05
1404	193	0.28	7.33	0.51	0.0	2.39e-05	2.15e-04
1404	196	-0.40	-7.12	-0.53	0.0	-1.30e-04	-2.38e-04
1404	219	-7.12	2.88	0.23	0.0	-1.85e-03	-3.19e-05
1404	225	0.34	8.81	0.62	0.0	3.71e-05	2.59e-04
1404	228	-0.45	-8.60	-0.64	0.0	-1.43e-04	-2.82e-04
1404	264	-1.06	0.17	3.63e-03	0.0	-9.12e-04	-1.91e-04
1404	276	-0.06	0.50	0.02	0.0	-5.68e-05	-1.52e-05
1404	285	-0.04	-0.13	-0.04	0.0	-3.54e-05	-6.77e-06
1404	305	-0.26	0.12	-8.65e-03	0.0	-2.23e-04	-4.70e-05
1404	307	-0.06	0.18	-4.71e-03	0.0	-5.24e-05	-1.19e-05
1404	308	-0.04	0.02	-0.02	0.0	-3.47e-05	-7.56e-06
1404	309	-0.04	0.06	-0.02	0.0	-3.45e-05	-7.76e-06
1404	310	-0.06	0.11	-0.01	0.0	-5.28e-05	-1.15e-05
1405	44	-2.34	0.30	0.02	0.0	-1.04e-03	-1.73e-04
1405	68	-0.12	0.82	0.06	0.0	-8.08e-05	-2.12e-05
1405	72	-0.10	0.78	0.06	0.0	-6.50e-05	-1.77e-05
1405	123	-6.33	2.23	0.20	0.0	-1.35e-03	-4.51e-05
1405	129	0.25	6.68	0.53	0.0	1.44e-05	2.13e-04
1405	132	-0.43	-6.42	-0.55	0.0	-1.20e-04	-2.35e-04
1405	155	-7.10	2.50	0.23	0.0	-1.51e-03	-4.88e-05
1405	161	0.30	7.55	0.60	0.0	2.28e-05	2.41e-04
1405	164	-0.47	-7.29	-0.62	0.0	-1.28e-04	-2.64e-04
1405	187	-6.98	2.58	0.24	0.0	-1.49e-03	-4.29e-05
1405	193	0.30	7.84	0.62	0.0	2.36e-05	2.44e-04
1405	196	-0.47	-7.57	-0.64	0.0	-1.29e-04	-2.66e-04
1405	219	-8.10	3.07	0.29	0.0	-1.72e-03	-4.56e-05
1405	225	0.36	9.42	0.75	0.0	3.67e-05	2.93e-04
1405	228	-0.53	-9.15	-0.77	0.0	-1.42e-04	-3.15e-04
1405	264	-1.56	0.20	0.01	0.0	-6.95e-04	-1.16e-04
1405	276	-0.09	0.55	0.03	0.0	-5.66e-05	-1.47e-05
1405	285	-0.06	-0.12	-0.04	0.0	-3.52e-05	-6.55e-06
1405	305	-0.38	0.14	-5.00e-03	0.0	-1.80e-04	-3.17e-05
1405	307	-0.08	0.21	-4.46e-05	0.0	-5.23e-05	-1.14e-05
1405	308	-0.06	0.04	-0.03	0.0	-3.45e-05	-7.37e-06
1405	309	-0.06	0.08	-0.02	0.0	-3.43e-05	-7.58e-06
1405	310	-0.09	0.13	-7.94e-03	0.0	-5.26e-05	-1.10e-05
1406	44	-2.86	0.43	0.04	0.0	-4.88e-04	-9.17e-04
1406	68	-0.17	1.04	0.08	0.0	-7.80e-05	-4.52e-05
1406	72	-0.13	0.98	0.09	0.0	-6.27e-05	-3.75e-05
1406	123	-7.01	2.66	0.26	0.0	-1.22e-03	-8.60e-05
1406	129	0.26	7.94	0.67	0.0	1.57e-05	2.15e-04
1406	132	-0.49	-7.52	-0.67	0.0	-1.18e-04	-2.65e-04
1406	155	-7.86	2.98	0.30	0.0	-1.37e-03	-9.28e-05
1406	161	0.31	8.97	0.76	0.0	2.39e-05	2.46e-04
1406	164	-0.54	-8.55	-0.76	0.0	-1.26e-04	-2.96e-04
1406	187	-7.74	3.07	0.30	0.0	-1.35e-03	-8.52e-05
1406	193	0.31	9.31	0.79	0.0	2.41e-05	2.49e-04
1406	196	-0.54	-8.89	-0.79	0.0	-1.26e-04	-2.99e-04
1406	219	-8.97	3.65	0.36	0.0	-1.56e-03	-9.22e-05

1406	225	0.38	11.17	0.95	0.0	3.68e-05	3.01e-04
1406	228	-0.61	-10.76	-0.95	0.0	-1.39e-04	-3.51e-04
1406	264	-1.91	0.30	0.02	0.0	-3.28e-04	-6.12e-04
1406	276	-0.12	0.70	0.05	0.0	-5.47e-05	-3.14e-05
1406	305	-0.47	0.22	2.54e-03	0.0	-1.05e-04	-1.42e-04
1406	307	-0.11	0.30	8.82e-03	0.0	-5.06e-05	-2.55e-05
1406	308	-0.08	0.08	-0.02	0.0	-3.34e-05	-1.62e-05
1406	309	-0.07	0.13	-0.02	0.0	-3.32e-05	-1.65e-05
1406	310	-0.12	0.21	-9.06e-04	0.0	-5.10e-05	-2.48e-05
1407	28	-0.32	0.33	0.28	-2.01e-04	0.0	1.64e-05
1407	43	-0.52	0.28	0.23	-1.61e-04	0.0	1.81e-05
1407	68	-4.55e-03	2.09	0.22	-8.93e-04	0.0	-8.01e-05
1407	116	-6.17	-3.32	0.40	6.91e-04	0.0	-2.24e-04
1407	137	2.70	7.25	5.67e-03	-1.74e-03	0.0	1.74e-04
1407	148	-6.94	-3.77	0.43	7.96e-04	0.0	-2.53e-04
1407	169	3.04	8.19	-9.82e-03	-1.95e-03	0.0	1.95e-04
1407	180	-6.87	-3.87	0.43	8.19e-04	0.0	-2.54e-04
1407	201	3.03	8.39	-9.90e-03	-2.00e-03	0.0	1.96e-04
1407	212	-8.05	-4.66	0.48	1.00e-03	0.0	-3.01e-04
1407	233	3.57	9.95	-0.03	-2.36e-03	0.0	2.31e-04
1407	256	-0.21	0.23	0.19	-1.39e-04	0.0	1.12e-05
1407	263	-0.35	0.19	0.16	-1.13e-04	0.0	1.24e-05
1407	276	-3.20e-03	1.40	0.15	-6.00e-04	0.0	-5.31e-05
1407	298	-7.95e-03	0.17	0.14	-1.12e-04	0.0	5.84e-06
1407	305	-0.08	0.17	0.13	-1.06e-04	0.0	6.79e-06
1407	307	-6.86e-03	0.41	0.13	-2.02e-04	0.0	-6.38e-06
1407	310	-7.70e-03	0.16	0.13	-1.05e-04	0.0	5.49e-06
1408	28	-0.39	0.43	0.30	-2.01e-04	0.0	1.84e-05
1408	44	-0.62	0.38	0.26	-1.72e-04	0.0	2.09e-05
1408	68	-0.03	2.49	0.23	-4.82e-04	0.0	-3.22e-05
1408	116	-7.14	-3.68	0.42	6.54e-04	0.0	-2.48e-04
1408	137	3.11	8.16	6.74e-03	-1.66e-03	0.0	1.85e-04
1408	148	-8.03	-4.19	0.46	7.53e-04	0.0	-2.80e-04
1408	169	3.51	9.21	-9.72e-03	-1.86e-03	0.0	2.08e-04
1408	180	-7.95	-4.30	0.45	7.75e-04	0.0	-2.80e-04
1408	201	3.50	9.44	-9.84e-03	-1.91e-03	0.0	2.08e-04
1408	212	-9.31	-5.18	0.51	9.47e-04	0.0	-3.33e-04
1408	233	4.12	11.18	-0.04	-2.25e-03	0.0	2.45e-04
1408	256	-0.26	0.30	0.21	-1.39e-04	0.0	1.26e-05
1408	264	-0.41	0.26	0.18	-1.20e-04	0.0	1.43e-05
1408	276	-0.02	1.67	0.16	-3.26e-04	0.0	-2.11e-05
1408	298	-0.03	0.23	0.15	-1.12e-04	0.0	6.69e-06
1408	305	-0.10	0.22	0.14	-1.06e-04	0.0	7.70e-06
1408	307	-0.03	0.50	0.14	-1.47e-04	0.0	0.0
1408	310	-0.03	0.22	0.14	-1.05e-04	0.0	6.29e-06
1409	28	-0.46	0.54	0.32	-2.01e-04	0.0	2.02e-05
1409	44	-0.71	0.47	0.28	-1.72e-04	0.0	2.27e-05
1409	68	-0.05	2.62	0.25	-6.44e-05	0.0	-1.13e-05
1409	116	-8.07	-3.99	0.45	6.15e-04	0.0	-2.65e-04
1409	137	3.51	8.97	5.48e-03	-1.58e-03	0.0	1.94e-04
1409	148	-9.07	-4.55	0.49	7.10e-04	0.0	-3.00e-04
1409	169	3.95	10.11	-0.01	-1.77e-03	0.0	2.17e-04
1409	180	-8.98	-4.67	0.49	7.31e-04	0.0	-3.00e-04
1409	201	3.95	10.36	-0.01	-1.82e-03	0.0	2.18e-04
1409	212	-10.51	-5.64	0.55	8.95e-04	0.0	-3.56e-04
1409	233	4.65	12.27	-0.04	-2.14e-03	0.0	2.56e-04
1409	256	-0.31	0.37	0.22	-1.39e-04	0.0	1.38e-05
1409	264	-0.47	0.32	0.19	-1.20e-04	0.0	1.55e-05
1409	276	-0.04	1.76	0.17	-4.81e-05	0.0	-7.16e-06
1409	298	-0.05	0.29	0.16	-1.12e-04	0.0	7.41e-06
1409	305	-0.13	0.28	0.15	-1.06e-04	0.0	8.49e-06
1409	307	-0.04	0.56	0.15	-9.12e-05	0.0	3.95e-06
1409	310	-0.04	0.27	0.15	-1.05e-04	0.0	6.97e-06
1410	4	0.13	0.19	0.05	-1.96e-04	0.0	6.87e-06
1410	43	-0.50	0.16	-5.88e-04	-1.56e-04	0.0	1.69e-05
1410	68	-0.01	1.49	0.03	-1.23e-03	0.0	1.53e-05
1410	113	5.77	3.09	0.24	-9.19e-04	0.0	1.95e-04
1410	116	-5.79	-2.89	-0.22	7.13e-04	0.0	-1.85e-04
1410	137	2.53	6.18	0.12	-1.78e-03	0.0	1.19e-04
1410	145	6.49	3.48	0.26	-1.03e-03	0.0	2.19e-04
1410	148	-6.51	-3.28	-0.24	8.19e-04	0.0	-2.09e-04
1410	169	2.85	6.98	0.13	-2.00e-03	0.0	1.34e-04
1410	177	6.43	3.55	0.26	-1.04e-03	0.0	2.18e-04
1410	180	-6.45	-3.35	-0.24	8.38e-04	0.0	-2.08e-04
1410	201	2.84	7.15	0.13	-2.04e-03	0.0	1.32e-04

1410	209	7.53	4.21	0.31	-1.23e-03	0.0	2.56e-04
1410	212	-7.55	-4.01	-0.28	1.02e-03	0.0	-2.46e-04
1410	233	3.34	8.48	0.15	-2.41e-03	0.0	1.54e-04
1410	244	0.08	0.13	0.03	-1.36e-04	0.0	4.84e-06
1410	263	-0.33	0.11	-3.17e-03	-1.09e-04	0.0	1.15e-05
1410	276	-7.70e-03	1.00	0.02	-8.27e-04	0.0	1.04e-05
1410	298	-0.01	0.11	0.01	-1.10e-04	0.0	5.36e-06
1410	305	-0.07	0.10	7.39e-03	-1.03e-04	0.0	6.28e-06
1410	307	-0.01	0.28	0.01	-2.45e-04	0.0	5.98e-06
1410	310	-0.01	0.10	0.01	-1.03e-04	0.0	5.04e-06
1411	4	0.12	0.29	0.06	-1.96e-04	0.0	7.82e-06
1411	44	-0.54	0.26	7.79e-03	-1.66e-04	0.0	1.92e-05
1411	68	-0.02	2.14	0.04	-9.10e-04	0.0	-2.73e-05
1411	113	6.19	3.58	0.26	-8.88e-04	0.0	2.27e-04
1411	116	-6.22	-3.27	-0.23	6.82e-04	0.0	-2.15e-04
1411	137	2.71	7.12	0.13	-1.71e-03	0.0	-1.95e-05
1411	145	6.96	4.02	0.29	-9.90e-04	0.0	2.54e-04
1411	148	-6.99	-3.71	-0.26	7.84e-04	0.0	-2.43e-04
1411	169	3.05	8.04	0.14	-1.92e-03	0.0	-2.27e-05
1411	177	6.89	4.10	0.29	-1.01e-03	0.0	2.53e-04
1411	180	-6.92	-3.79	-0.26	8.02e-04	0.0	-2.41e-04
1411	201	3.05	8.23	0.14	-1.97e-03	0.0	-2.12e-05
1411	209	8.07	4.86	0.33	-1.18e-03	0.0	2.97e-04
1411	212	-8.11	-4.55	-0.31	9.77e-04	0.0	-2.86e-04
1411	233	3.58	9.76	0.17	-2.32e-03	0.0	-2.57e-05
1411	244	0.08	0.20	0.04	-1.36e-04	0.0	5.51e-06
1411	264	-0.36	0.18	2.11e-03	-1.16e-04	0.0	1.31e-05
1411	276	-0.01	1.43	0.02	-6.11e-04	0.0	-1.79e-05
1411	298	-0.02	0.16	0.02	-1.10e-04	0.0	6.01e-06
1411	305	-0.08	0.16	8.63e-03	-1.03e-04	0.0	6.99e-06
1411	307	-0.02	0.41	0.01	-2.02e-04	0.0	0.0
1411	310	-0.02	0.15	0.01	-1.03e-04	0.0	5.65e-06
1412	4	0.12	0.40	0.07	-1.96e-04	0.0	8.91e-06
1412	44	-0.62	0.35	8.37e-03	-1.66e-04	0.0	2.11e-05
1412	68	-0.03	2.54	0.04	-4.78e-04	0.0	-4.16e-05
1412	113	7.09	4.04	0.27	-8.46e-04	0.0	2.53e-04
1412	116	-7.14	-3.62	-0.24	6.40e-04	0.0	-2.40e-04
1412	137	3.11	8.02	0.13	-1.63e-03	0.0	1.50e-04
1412	145	7.97	4.54	0.30	-9.43e-04	0.0	2.84e-04
1412	148	-8.03	-4.12	-0.27	7.37e-04	0.0	-2.71e-04
1412	169	3.50	9.04	0.15	-1.82e-03	0.0	1.67e-04
1412	177	7.89	4.63	0.30	-9.61e-04	0.0	2.82e-04
1412	180	-7.95	-4.21	-0.27	7.55e-04	0.0	-2.70e-04
1412	201	3.50	9.26	0.15	-1.87e-03	0.0	1.65e-04
1412	209	9.25	5.48	0.35	-1.13e-03	0.0	3.32e-04
1412	212	-9.31	-5.06	-0.32	9.20e-04	0.0	-3.20e-04
1412	233	4.12	10.97	0.17	-2.20e-03	0.0	1.93e-04
1412	244	0.08	0.27	0.04	-1.36e-04	0.0	6.28e-06
1412	264	-0.41	0.24	2.28e-03	-1.16e-04	0.0	1.44e-05
1412	276	-0.02	1.70	0.03	-3.24e-04	0.0	-2.74e-05
1412	298	-0.03	0.22	0.02	-1.10e-04	0.0	6.74e-06
1412	305	-0.10	0.21	9.34e-03	-1.03e-04	0.0	7.77e-06
1412	307	-0.03	0.50	0.01	-1.45e-04	0.0	0.0
1412	310	-0.03	0.21	0.01	-1.03e-04	0.0	6.34e-06
1413	4	0.29	0.49	-0.18	0.0	-1.01e-04	2.56e-04
1413	44	-1.78	0.54	-0.12	0.0	-6.48e-05	-1.12e-03
1413	68	-0.15	1.23	-0.17	0.0	-7.89e-05	-6.08e-05
1413	123	-7.51	3.01	0.07	0.0	-1.17e-03	-6.23e-05
1413	125	6.65	2.32	-0.33	0.0	9.70e-04	3.16e-05
1413	129	0.11	8.98	-0.24	0.0	-1.62e-05	2.16e-04
1413	155	-8.42	3.37	0.09	0.0	-1.31e-03	-6.50e-05
1413	157	7.49	2.59	-0.36	0.0	1.10e-03	3.92e-05
1413	161	0.13	10.14	-0.26	0.0	-1.19e-05	2.48e-04
1413	187	-8.29	3.48	0.08	0.0	-1.29e-03	-5.68e-05
1413	189	7.38	2.66	-0.36	0.0	1.08e-03	3.35e-05
1413	193	0.13	10.52	-0.26	0.0	-1.24e-05	2.51e-04
1413	219	-9.62	4.13	0.11	0.0	-1.49e-03	-5.75e-05
1413	221	8.59	3.13	-0.40	0.0	1.26e-03	4.39e-05
1413	225	0.16	12.62	-0.29	0.0	-6.78e-06	3.05e-04
1413	244	0.19	0.34	-0.13	0.0	-6.98e-05	1.69e-04
1413	264	-1.19	0.37	-0.09	0.0	-4.59e-05	-7.48e-04
1413	276	-0.10	0.83	-0.12	0.0	-5.53e-05	-4.23e-05
1413	298	-0.11	0.29	-0.11	0.0	-5.47e-05	-3.57e-05
1413	305	-0.32	0.29	-0.10	0.0	-4.94e-05	-1.76e-04
1413	307	-0.10	0.38	-0.11	0.0	-5.13e-05	-3.45e-05

1413	310	-0.11	0.27	-0.10	0.0	-5.17e-05	-3.38e-05
1414	4	0.21	0.62	-0.19	0.0	-1.77e-04	2.03e-04
1414	44	-1.75	0.66	-0.12	0.0	1.34e-04	-9.14e-04
1414	68	-0.19	1.42	-0.18	0.0	-9.14e-05	-5.48e-05
1414	123	-8.07	2.71	0.07	0.0	-1.10e-03	-2.21e-05
1414	125	7.11	3.31	-0.35	0.0	8.86e-04	2.60e-06
1414	129	0.10	10.06	-0.25	0.0	-2.83e-05	2.36e-04
1414	155	-9.05	3.03	0.09	0.0	-1.22e-03	-2.03e-05
1414	157	8.01	3.70	-0.38	0.0	1.00e-03	6.15e-06
1414	161	0.12	11.36	-0.27	0.0	-2.48e-05	2.70e-04
1414	187	-8.91	3.15	0.09	0.0	-1.20e-03	-1.20e-05
1414	189	7.89	3.78	-0.38	0.0	9.86e-04	0.0
1414	193	0.12	11.78	-0.27	0.0	-2.60e-05	2.73e-04
1414	219	-10.33	3.74	0.12	0.0	-1.39e-03	-5.75e-06
1414	221	9.19	4.43	-0.42	0.0	1.16e-03	4.97e-06
1414	225	0.16	14.13	-0.30	0.0	-2.18e-05	3.31e-04
1414	244	0.14	0.43	-0.14	0.0	-1.21e-04	1.34e-04
1414	264	-1.18	0.45	-0.09	0.0	8.64e-05	-6.11e-04
1414	276	-0.13	0.96	-0.13	0.0	-6.40e-05	-3.80e-05
1414	301	-0.14	0.35	-0.11	0.0	-6.02e-05	-3.10e-05
1414	305	-0.34	0.36	-0.10	0.0	-2.85e-05	-1.45e-04
1414	307	-0.13	0.46	-0.11	0.0	-5.86e-05	-3.08e-05
1414	310	-0.13	0.34	-0.11	0.0	-5.89e-05	-3.00e-05
1415	18	0.90	0.39	-0.09	0.0	-1.36e-04	4.30e-04
1415	44	-2.40	0.54	-0.05	0.0	3.60e-05	-9.98e-04
1415	68	-0.18	1.23	-0.05	0.0	-7.58e-05	-5.15e-05
1415	123	-7.54	3.01	0.11	0.0	-1.14e-03	-5.99e-05
1415	129	0.19	8.98	0.10	0.0	3.45e-06	2.28e-04
1415	134	3.29	-7.90	-0.27	0.0	4.50e-04	-1.85e-04
1415	155	-8.46	3.37	0.13	0.0	-1.27e-03	-6.31e-05
1415	161	0.23	10.14	0.12	0.0	9.97e-06	2.60e-04
1415	166	3.72	-8.98	-0.29	0.0	5.11e-04	-2.06e-04
1415	187	-8.33	3.48	0.13	0.0	-1.25e-03	-5.55e-05
1415	193	0.23	10.52	0.12	0.0	9.60e-06	2.63e-04
1415	198	3.65	-9.34	-0.30	0.0	5.01e-04	-2.12e-04
1415	219	-9.66	4.12	0.17	0.0	-1.45e-03	-5.69e-05
1415	225	0.28	12.62	0.16	0.0	1.91e-05	3.19e-04
1415	230	4.26	-11.31	-0.35	0.0	5.91e-04	-2.50e-04
1415	251	0.60	0.28	-0.07	0.0	-9.35e-05	2.85e-04
1415	264	-1.61	0.37	-0.04	0.0	2.14e-05	-6.67e-04
1415	276	-0.13	0.83	-0.04	0.0	-5.32e-05	-3.58e-05
1415	303	0.02	0.27	-0.06	0.0	-5.75e-05	3.51e-05
1415	305	-0.42	0.29	-0.05	0.0	-3.45e-05	-1.55e-04
1415	307	-0.12	0.38	-0.05	0.0	-4.94e-05	-2.91e-05
1415	310	-0.12	0.27	-0.06	0.0	-4.98e-05	-2.84e-05
1416	18	0.77	0.50	-0.10	0.0	-3.28e-04	3.51e-04
1416	44	-2.25	0.66	-0.05	0.0	4.14e-04	-8.18e-04
1416	68	-0.22	1.42	-0.05	0.0	-7.77e-05	-4.40e-05
1416	123	-8.08	2.71	0.12	0.0	-1.05e-03	-2.27e-05
1416	129	0.19	10.06	0.10	0.0	1.90e-06	2.53e-04
1416	134	3.51	-8.57	-0.28	0.0	4.11e-04	-2.09e-04
1416	155	-9.06	3.03	0.14	0.0	-1.18e-03	-2.17e-05
1416	161	0.23	11.35	0.12	0.0	8.31e-06	2.89e-04
1416	166	3.96	-9.76	-0.31	0.0	4.68e-04	-2.33e-04
1416	187	-8.92	3.15	0.14	0.0	-1.16e-03	-1.48e-05
1416	193	0.23	11.78	0.13	0.0	7.54e-06	2.93e-04
1416	198	3.88	-10.16	-0.31	0.0	4.59e-04	-2.40e-04
1416	219	-10.34	3.74	0.17	0.0	-1.34e-03	-1.01e-05
1416	225	0.29	14.12	0.16	0.0	1.68e-05	3.53e-04
1416	230	4.54	-12.32	-0.36	0.0	5.42e-04	-2.84e-04
1416	251	0.51	0.35	-0.07	0.0	-2.21e-04	2.33e-04
1416	264	-1.51	0.45	-0.04	0.0	2.74e-04	-5.47e-04
1416	276	-0.15	0.96	-0.04	0.0	-5.45e-05	-3.06e-05
1416	303	-0.02	0.33	-0.06	0.0	-8.39e-05	2.80e-05
1416	305	-0.42	0.36	-0.05	0.0	1.51e-05	-1.28e-04
1416	307	-0.15	0.46	-0.05	0.0	-5.05e-05	-2.46e-05
1416	310	-0.15	0.34	-0.06	0.0	-5.09e-05	-2.39e-05
1417	44	-2.97	0.54	0.05	0.0	9.60e-05	-9.97e-04
1417	68	-0.21	1.23	0.10	0.0	-7.27e-05	-4.88e-05
1417	72	-0.16	1.15	0.10	0.0	-5.84e-05	-4.05e-05
1417	123	-7.58	3.01	0.30	0.0	-1.11e-03	-5.77e-05
1417	129	0.27	8.98	0.77	0.0	1.99e-05	2.31e-04
1417	155	-8.51	3.37	0.34	0.0	-1.25e-03	-6.07e-05
1417	161	0.32	10.13	0.87	0.0	2.82e-05	2.65e-04
1417	187	-8.37	3.48	0.35	0.0	-1.23e-03	-5.34e-05

1417	193	0.32	10.51	0.90	0.0	2.80e-05	2.68e-04
1417	219	-9.71	4.12	0.42	0.0	-1.42e-03	-5.47e-05
1417	225	0.39	12.61	1.08	0.0	4.07e-05	3.24e-04
1417	264	-1.98	0.37	0.03	0.0	6.15e-05	-6.66e-04
1417	276	-0.15	0.83	0.06	0.0	-5.10e-05	-3.39e-05
1417	305	-0.51	0.29	7.10e-03	0.0	-2.50e-05	-1.54e-04
1417	307	-0.14	0.38	0.01	0.0	-4.75e-05	-2.75e-05
1417	308	-0.09	0.12	-0.02	0.0	-3.14e-05	-1.75e-05
1417	309	-0.09	0.17	-0.02	0.0	-3.12e-05	-1.78e-05
1417	310	-0.14	0.27	3.33e-03	0.0	-4.79e-05	-2.68e-05
1418	44	-2.72	0.66	0.06	0.0	6.36e-04	-8.32e-04
1418	68	-0.24	1.42	0.11	0.0	-6.65e-05	-4.14e-05
1418	123	-8.10	2.71	0.33	0.0	-1.02e-03	-2.42e-05
1418	129	0.28	10.05	0.83	0.0	2.51e-05	2.59e-04
1418	155	-9.09	3.03	0.38	0.0	-1.14e-03	-2.36e-05
1418	161	0.33	11.34	0.94	0.0	3.36e-05	2.95e-04
1418	187	-8.94	3.15	0.38	0.0	-1.13e-03	-1.71e-05
1418	193	0.33	11.76	0.98	0.0	3.31e-05	2.98e-04
1418	219	-10.37	3.74	0.46	0.0	-1.30e-03	-1.30e-05
1418	225	0.42	14.11	1.17	0.0	4.61e-05	3.60e-04
1418	264	-1.82	0.45	0.03	0.0	4.22e-04	-5.56e-04
1418	276	-0.17	0.97	0.07	0.0	-4.67e-05	-2.87e-05
1418	305	-0.49	0.36	0.01	0.0	4.98e-05	-1.28e-04
1418	307	-0.16	0.46	0.02	0.0	-4.39e-05	-2.30e-05
1418	308	-0.11	0.15	-0.02	0.0	-2.91e-05	-1.46e-05
1418	309	-0.11	0.21	-0.02	0.0	-2.89e-05	-1.49e-05
1418	310	-0.16	0.34	6.20e-03	0.0	-4.44e-05	-2.24e-05
1419	28	-0.53	0.64	0.35	-2.01e-04	0.0	2.18e-05
1419	44	-0.80	0.55	0.30	-1.72e-04	0.0	2.44e-05
1419	68	-0.08	2.53	0.27	3.19e-04	0.0	1.19e-06
1419	116	-9.00	-4.29	0.49	5.82e-04	0.0	-2.82e-04
1419	137	3.90	9.73	6.12e-03	-1.51e-03	0.0	2.04e-04
1419	148	-10.11	-4.89	0.53	6.72e-04	0.0	-3.18e-04
1419	169	4.40	10.97	-0.01	-1.70e-03	0.0	2.29e-04
1419	180	-10.02	-5.02	0.53	6.92e-04	0.0	-3.18e-04
1419	201	4.40	11.24	-0.01	-1.74e-03	0.0	2.29e-04
1419	212	-11.73	-6.07	0.59	8.48e-04	0.0	-3.78e-04
1419	233	5.18	13.31	-0.04	-2.05e-03	0.0	2.69e-04
1419	256	-0.36	0.44	0.24	-1.39e-04	0.0	1.49e-05
1419	264	-0.54	0.38	0.21	-1.20e-04	0.0	1.67e-05
1419	276	-0.05	1.70	0.18	2.08e-04	0.0	1.21e-06
1419	298	-0.06	0.35	0.17	-1.12e-04	0.0	8.07e-06
1419	305	-0.16	0.33	0.16	-1.06e-04	0.0	9.20e-06
1419	307	-0.06	0.59	0.16	-4.01e-05	0.0	6.10e-06
1419	310	-0.06	0.33	0.16	-1.05e-04	0.0	7.60e-06
1420	28	-0.59	0.74	0.39	-2.01e-04	0.0	2.31e-05
1420	44	-0.89	0.64	0.34	-1.72e-04	0.0	2.59e-05
1420	68	-0.09	2.23	0.30	6.06e-04	0.0	5.33e-06
1420	116	-9.99	-4.57	0.54	5.61e-04	0.0	-2.98e-04
1420	137	4.34	10.46	0.01	-1.47e-03	0.0	2.12e-04
1420	148	-11.22	-5.21	0.58	6.48e-04	0.0	-3.37e-04
1420	169	4.89	11.78	-8.96e-03	-1.65e-03	0.0	2.38e-04
1420	180	-11.12	-5.35	0.58	6.67e-04	0.0	-3.36e-04
1420	201	4.89	12.08	-9.20e-03	-1.68e-03	0.0	2.38e-04
1420	212	-13.01	-6.47	0.65	8.19e-04	0.0	-3.99e-04
1420	233	5.76	14.29	-0.04	-1.98e-03	0.0	2.79e-04
1420	256	-0.40	0.51	0.26	-1.39e-04	0.0	1.59e-05
1420	264	-0.59	0.44	0.23	-1.20e-04	0.0	1.77e-05
1420	276	-0.06	1.50	0.21	3.99e-04	0.0	4.01e-06
1420	298	-0.07	0.40	0.19	-1.12e-04	0.0	8.60e-06
1420	305	-0.17	0.38	0.18	-1.06e-04	0.0	9.78e-06
1420	307	-0.07	0.59	0.18	-1.92e-06	0.0	7.04e-06
1420	310	-0.07	0.38	0.18	-1.06e-04	0.0	8.09e-06
1421	4	0.12	0.49	0.07	-1.96e-04	0.0	1.00e-05
1421	44	-0.71	0.43	9.40e-03	-1.66e-04	0.0	2.29e-05
1421	68	-0.05	2.67	0.04	-4.23e-05	0.0	-4.25e-05
1421	113	7.98	4.45	0.28	-8.05e-04	0.0	2.75e-04
1421	116	-8.07	-3.93	-0.25	5.99e-04	0.0	-2.61e-04
1421	137	3.50	8.81	0.14	-1.54e-03	0.0	1.74e-04
1421	145	8.98	5.00	0.32	-8.96e-04	0.0	3.09e-04
1421	148	-9.06	-4.48	-0.29	6.90e-04	0.0	-2.95e-04
1421	169	3.95	9.93	0.16	-1.73e-03	0.0	1.95e-04
1421	177	8.89	5.10	0.31	-9.14e-04	0.0	3.08e-04
1421	180	-8.98	-4.57	-0.28	7.07e-04	0.0	-2.94e-04
1421	201	3.95	10.17	0.16	-1.77e-03	0.0	1.94e-04

1421	209	10.42	6.03	0.36	-1.07e-03	0.0	3.62e-04
1421	212	-10.51	-5.50	-0.34	8.64e-04	0.0	-3.48e-04
1421	233	4.65	12.04	0.18	-2.08e-03	0.0	2.27e-04
1421	244	0.07	0.34	0.04	-1.36e-04	0.0	7.07e-06
1421	264	-0.47	0.30	2.81e-03	-1.16e-04	0.0	1.57e-05
1421	276	-0.04	1.79	0.03	-3.32e-05	0.0	-2.79e-05
1421	298	-0.05	0.28	0.02	-1.10e-04	0.0	7.47e-06
1421	305	-0.13	0.26	9.96e-03	-1.03e-04	0.0	8.56e-06
1421	307	-0.04	0.56	0.01	-8.65e-05	0.0	0.0
1421	310	-0.04	0.26	0.01	-1.03e-04	0.0	7.03e-06
1422	4	0.10	0.59	0.07	-1.96e-04	0.0	1.12e-05
1422	44	-0.80	0.51	0.01	-1.66e-04	0.0	2.49e-05
1422	68	-0.08	2.55	0.05	3.54e-04	0.0	-3.23e-05
1422	113	8.88	4.84	0.30	-7.68e-04	0.0	2.94e-04
1422	116	-9.01	-4.22	-0.27	5.62e-04	0.0	-2.79e-04
1422	137	3.90	9.55	0.15	-1.46e-03	0.0	1.98e-04
1422	145	9.99	5.43	0.33	-8.55e-04	0.0	3.30e-04
1422	148	-10.12	-4.81	-0.30	6.48e-04	0.0	-3.15e-04
1422	169	4.40	10.76	0.17	-1.64e-03	0.0	2.22e-04
1422	177	9.90	5.54	0.33	-8.72e-04	0.0	3.30e-04
1422	180	-10.03	-4.91	-0.30	6.65e-04	0.0	-3.14e-04
1422	201	4.40	11.02	0.17	-1.68e-03	0.0	2.22e-04
1422	209	11.61	6.54	0.38	-1.02e-03	0.0	3.88e-04
1422	212	-11.73	-5.92	-0.35	8.14e-04	0.0	-3.73e-04
1422	233	5.18	13.04	0.19	-1.98e-03	0.0	2.60e-04
1422	244	0.06	0.41	0.04	-1.36e-04	0.0	7.91e-06
1422	264	-0.54	0.36	3.70e-03	-1.16e-04	0.0	1.70e-05
1422	276	-0.06	1.72	0.03	2.31e-04	0.0	-2.11e-05
1422	298	-0.07	0.33	0.02	-1.10e-04	0.0	8.25e-06
1422	305	-0.16	0.31	0.01	-1.03e-04	0.0	9.39e-06
1422	307	-0.06	0.59	0.02	-3.36e-05	0.0	1.76e-06
1422	310	-0.06	0.31	0.02	-1.03e-04	0.0	7.76e-06
1423	4	0.10	0.75	-0.20	0.0	-2.39e-04	1.21e-04
1423	44	-1.62	0.78	-0.13	0.0	2.91e-04	-5.41e-04
1423	68	-0.24	1.62	-0.18	0.0	-1.02e-04	-3.36e-05
1423	123	-8.59	3.03	0.07	0.0	-1.04e-03	1.98e-05
1423	125	7.52	3.68	-0.36	0.0	8.18e-04	-1.06e-05
1423	129	0.08	11.13	-0.26	0.0	-3.90e-05	2.80e-04
1423	155	-9.63	3.39	0.10	0.0	-1.16e-03	2.52e-05
1423	157	8.47	4.11	-0.40	0.0	9.28e-04	-1.01e-05
1423	161	0.11	12.56	-0.28	0.0	-3.61e-05	3.18e-04
1423	187	-9.48	3.52	0.09	0.0	-1.14e-03	3.10e-05
1423	189	8.34	4.20	-0.39	0.0	9.12e-04	-1.32e-05
1423	193	0.10	13.02	-0.28	0.0	-3.79e-05	3.22e-04
1423	219	-10.99	4.17	0.13	0.0	-1.31e-03	4.24e-05
1423	221	9.73	4.91	-0.44	0.0	1.07e-03	-1.31e-05
1423	225	0.14	15.61	-0.32	0.0	-3.50e-05	3.87e-04
1423	244	0.06	0.52	-0.14	0.0	-1.62e-04	7.95e-05
1423	264	-1.09	0.54	-0.10	0.0	1.91e-04	-3.62e-04
1423	276	-0.17	1.10	-0.13	0.0	-7.12e-05	-2.33e-05
1423	301	-0.17	0.42	-0.12	0.0	-6.62e-05	-1.82e-05
1423	305	-0.35	0.43	-0.11	0.0	-1.22e-05	-8.60e-05
1423	307	-0.16	0.54	-0.12	0.0	-6.46e-05	-1.83e-05
1423	310	-0.17	0.41	-0.11	0.0	-6.48e-05	-1.76e-05
1424	4	-0.06	0.88	-0.22	0.0	-2.47e-05	5.80e-05
1424	44	-1.37	0.90	-0.15	0.0	-8.33e-04	-1.33e-04
1424	68	-0.30	1.81	-0.20	0.0	-1.87e-04	9.34e-06
1424	123	-9.08	3.32	0.07	0.0	-7.98e-04	5.79e-05
1424	125	7.89	3.99	-0.38	0.0	4.58e-04	6.16e-05
1424	129	0.05	12.02	-0.27	0.0	-1.87e-04	3.45e-04
1424	155	-10.18	3.70	0.10	0.0	-8.83e-04	6.46e-05
1424	157	8.90	4.45	-0.41	0.0	5.29e-04	6.82e-05
1424	161	0.08	13.56	-0.29	0.0	-1.97e-04	3.88e-04
1424	187	-10.02	3.84	0.09	0.0	-8.71e-04	6.78e-05
1424	189	8.76	4.55	-0.41	0.0	5.16e-04	6.62e-05
1424	193	0.08	14.06	-0.29	0.0	-2.03e-04	3.93e-04
1424	219	-11.61	4.55	0.13	0.0	-9.95e-04	8.10e-05
1424	221	10.22	5.31	-0.46	0.0	6.18e-04	7.59e-05
1424	225	0.12	16.85	-0.33	0.0	-2.23e-04	4.67e-04
1424	244	-0.05	0.61	-0.15	0.0	-2.25e-05	3.90e-05
1424	264	-0.92	0.62	-0.11	0.0	-5.61e-04	-8.81e-05
1424	276	-0.21	1.23	-0.14	0.0	-1.31e-04	6.57e-06
1424	301	-0.21	0.50	-0.13	0.0	-1.20e-04	7.67e-06
1424	305	-0.34	0.50	-0.12	0.0	-2.02e-04	-1.15e-05
1424	307	-0.20	0.62	-0.13	0.0	-1.16e-04	7.42e-06

1424	310	-0.20	0.48	-0.12	0.0	-1.16e-04	7.75e-06
1425	18	0.54	0.61	-0.10	0.0	-4.77e-04	2.07e-04
1425	44	-1.91	0.78	-0.05	0.0	7.08e-04	-4.81e-04
1425	68	-0.26	1.62	-0.06	0.0	-7.90e-05	-2.67e-05
1425	123	-8.58	3.04	0.12	0.0	-9.97e-04	2.28e-05
1425	129	0.19	11.16	0.10	0.0	1.03e-06	2.93e-04
1425	134	3.70	-9.46	-0.29	0.0	3.84e-04	-2.33e-04
1425	155	-9.62	3.40	0.15	0.0	-1.11e-03	2.81e-05
1425	161	0.23	12.60	0.12	0.0	7.39e-06	3.33e-04
1425	166	4.17	-10.77	-0.32	0.0	4.38e-04	-2.62e-04
1425	187	-9.47	3.53	0.14	0.0	-1.10e-03	3.33e-05
1425	193	0.23	13.06	0.13	0.0	6.38e-06	3.37e-04
1425	198	4.09	-11.21	-0.33	0.0	4.29e-04	-2.69e-04
1425	219	-10.97	4.18	0.18	0.0	-1.26e-03	4.44e-05
1425	225	0.30	15.66	0.17	0.0	1.55e-05	4.04e-04
1425	230	4.80	-13.61	-0.38	0.0	5.08e-04	-3.20e-04
1425	251	0.35	0.43	-0.08	0.0	-3.20e-04	1.37e-04
1425	264	-1.28	0.54	-0.04	0.0	4.69e-04	-3.22e-04
1425	276	-0.18	1.10	-0.05	0.0	-5.54e-05	-1.85e-05
1425	303	-0.07	0.40	-0.06	0.0	-1.04e-04	1.67e-05
1425	305	-0.39	0.43	-0.06	0.0	5.36e-05	-7.50e-05
1425	307	-0.17	0.54	-0.06	0.0	-5.12e-05	-1.44e-05
1425	310	-0.18	0.41	-0.06	0.0	-5.16e-05	-1.38e-05
1426	18	0.20	0.72	-0.11	0.0	4.05e-04	7.27e-05
1426	44	-1.36	0.90	-0.06	0.0	-1.33e-03	-1.17e-04
1426	68	-0.30	1.81	-0.07	0.0	-1.76e-04	7.57e-06
1426	123	-9.05	3.32	0.12	0.0	-8.57e-04	6.43e-05
1426	129	0.19	12.03	0.09	0.0	-9.06e-05	3.50e-04
1426	134	3.87	-10.11	-0.30	0.0	2.43e-04	-2.46e-04
1426	155	-10.14	3.70	0.14	0.0	-9.50e-04	7.21e-05
1426	161	0.24	13.56	0.11	0.0	-8.84e-05	3.94e-04
1426	166	4.38	-11.53	-0.33	0.0	2.86e-04	-2.79e-04
1426	187	-9.98	3.84	0.14	0.0	-9.35e-04	7.55e-05
1426	193	0.24	14.07	0.12	0.0	-8.75e-05	3.99e-04
1426	198	4.29	-12.00	-0.33	0.0	2.77e-04	-2.86e-04
1426	219	-11.57	4.55	0.18	0.0	-1.07e-03	9.04e-05
1426	225	0.30	16.85	0.16	0.0	-8.46e-05	4.75e-04
1426	230	5.03	-14.57	-0.39	0.0	3.40e-04	-3.45e-04
1426	251	0.12	0.51	-0.08	0.0	2.64e-04	4.88e-05
1426	264	-0.92	0.62	-0.05	0.0	-8.94e-04	-7.75e-05
1426	276	-0.21	1.23	-0.06	0.0	-1.23e-04	5.32e-06
1426	303	-0.13	0.47	-0.07	0.0	-2.97e-05	1.48e-05
1426	305	-0.34	0.50	-0.06	0.0	-2.61e-04	-1.04e-05
1426	307	-0.20	0.62	-0.07	0.0	-1.07e-04	6.12e-06
1426	310	-0.20	0.48	-0.07	0.0	-1.07e-04	6.39e-06
1427	44	-2.18	0.78	0.06	0.0	1.05e-03	-4.94e-04
1427	68	-0.27	1.63	0.12	0.0	-6.11e-05	-2.47e-05
1427	123	-8.57	3.06	0.35	0.0	-9.62e-04	2.22e-05
1427	129	0.30	11.23	0.87	0.0	2.95e-05	2.97e-04
1427	155	-9.62	3.42	0.40	0.0	-1.08e-03	2.72e-05
1427	161	0.36	12.67	0.98	0.0	3.82e-05	3.37e-04
1427	187	-9.46	3.55	0.41	0.0	-1.06e-03	3.22e-05
1427	193	0.36	13.15	1.02	0.0	3.76e-05	3.41e-04
1427	219	-10.97	4.21	0.48	0.0	-1.22e-03	4.29e-05
1427	225	0.45	15.76	1.23	0.0	5.09e-05	4.09e-04
1427	264	-1.46	0.54	0.04	0.0	6.97e-04	-3.30e-04
1427	276	-0.19	1.11	0.07	0.0	-4.29e-05	-1.71e-05
1427	305	-0.43	0.43	0.01	0.0	1.07e-04	-7.58e-05
1427	307	-0.18	0.54	0.02	0.0	-4.07e-05	-1.32e-05
1427	308	-0.12	0.19	-0.02	0.0	-2.72e-05	-8.39e-06
1427	309	-0.12	0.26	-0.02	0.0	-2.69e-05	-8.64e-06
1427	310	-0.18	0.42	7.62e-03	0.0	-4.13e-05	-1.27e-05
1428	44	-1.35	0.90	0.07	-2.37e-04	-1.73e-03	3.00e-05
1428	68	-0.30	1.81	0.12	-3.38e-04	-1.59e-04	1.66e-06
1428	123	-9.02	3.32	0.36	-4.11e-04	-9.98e-04	6.46e-05
1428	129	0.32	12.03	0.89	-1.30e-03	-8.82e-05	3.43e-04
1428	155	-10.11	3.70	0.41	-4.47e-04	-1.11e-03	7.29e-05
1428	161	0.38	13.57	1.01	-1.45e-03	-8.74e-05	3.87e-04
1428	187	-9.95	3.84	0.42	-4.61e-04	-1.09e-03	7.65e-05
1428	193	0.38	14.07	1.04	-1.50e-03	-8.71e-05	3.92e-04
1428	219	-11.54	4.55	0.50	-5.28e-04	-1.25e-03	9.23e-05
1428	225	0.48	16.86	1.25	-1.78e-03	-8.67e-05	4.67e-04
1428	264	-0.91	0.62	0.04	-1.65e-04	-1.16e-03	2.02e-05
1428	276	-0.21	1.23	0.07	-2.33e-04	-1.11e-04	1.25e-06
1428	305	-0.34	0.50	0.01	-1.43e-04	-3.05e-04	5.92e-06

1428	307	-0.20	0.62	0.02	-1.56e-04	-9.57e-05	2.13e-06
1428	308	-0.13	0.23	-0.03	-8.57e-05	-6.62e-05	1.20e-06
1428	309	-0.13	0.30	-0.02	-9.26e-05	-6.63e-05	1.06e-06
1428	310	-0.20	0.48	7.10e-03	-1.43e-04	-9.54e-05	2.40e-06
1429	28	-0.72	0.84	0.47	-2.65e-04	-2.79e-04	2.48e-05
1429	44	-1.02	0.73	0.40	-2.31e-04	-2.65e-04	2.99e-05
1429	68	-0.17	1.75	0.37	-1.37e-03	-1.97e-04	1.32e-05
1429	116	-10.61	-4.84	0.62	3.57e-04	-8.91e-04	-2.63e-04
1429	137	4.53	11.17	0.03	-1.17e-03	2.36e-04	1.99e-04
1429	148	-11.91	-5.53	0.66	4.22e-04	-9.86e-04	-2.97e-04
1429	169	5.12	12.58	0.01	-1.30e-03	2.82e-04	2.23e-04
1429	180	-11.80	-5.68	0.66	4.38e-04	-9.79e-04	-2.96e-04
1429	201	5.12	12.90	0.01	-1.33e-03	2.84e-04	2.23e-04
1429	212	-13.80	-6.87	0.74	5.52e-04	-1.12e-03	-3.52e-04
1429	233	6.04	15.26	-0.03	-1.56e-03	3.57e-04	2.62e-04
1429	256	-0.49	0.58	0.32	-1.84e-04	-1.92e-04	1.70e-05
1429	264	-0.68	0.50	0.27	-1.62e-04	-1.83e-04	2.03e-05
1429	276	-0.12	1.19	0.25	-9.21e-04	-1.37e-04	9.19e-06
1429	298	-0.13	0.46	0.23	-1.47e-04	-1.39e-04	7.76e-06
1429	305	-0.24	0.43	0.22	-1.39e-04	-1.38e-04	9.68e-06
1429	307	-0.12	0.57	0.22	-2.91e-04	-1.29e-04	7.45e-06
1429	310	-0.13	0.43	0.22	-1.39e-04	-1.30e-04	7.28e-06
1430	44	-1.02	0.56	-0.35	0.0	-1.69e-04	-5.62e-05
1430	52	-0.24	1.01	-0.47	0.0	-7.68e-05	9.22e-06
1430	68	-0.20	1.25	-0.46	0.0	-6.45e-05	7.87e-06
1430	123	-7.25	3.04	-0.31	0.0	-1.15e-03	1.39e-04
1430	129	0.63	8.99	-1.08	0.0	8.09e-05	3.02e-04
1430	155	-8.13	3.40	-0.32	0.0	-1.29e-03	1.56e-04
1430	161	0.73	10.15	-1.19	0.0	9.60e-05	3.40e-04
1430	187	-8.00	3.51	-0.33	0.0	-1.27e-03	1.57e-04
1430	193	0.72	10.52	-1.23	0.0	9.35e-05	3.45e-04
1430	219	-9.28	4.15	-0.36	0.0	-1.47e-03	1.84e-04
1430	225	0.86	12.62	-1.43	0.0	1.16e-04	4.12e-04
1430	264	-0.68	0.39	-0.25	0.0	-1.15e-04	-3.72e-05
1430	268	-0.17	0.69	-0.33	0.0	-5.34e-05	6.44e-06
1430	276	-0.14	0.85	-0.32	0.0	-4.52e-05	5.54e-06
1430	305	-0.24	0.30	-0.23	0.0	-5.63e-05	-3.68e-06
1430	307	-0.13	0.39	-0.25	0.0	-4.24e-05	4.86e-06
1430	310	-0.13	0.28	-0.23	0.0	-4.28e-05	4.85e-06
1431	4	0.07	0.69	0.08	-1.96e-04	0.0	1.24e-05
1431	44	-0.91	0.60	0.01	-1.66e-04	0.0	2.68e-05
1431	68	-0.11	2.23	0.05	6.52e-04	0.0	-1.28e-05
1431	113	9.76	5.21	0.31	-7.41e-04	0.0	3.11e-04
1431	116	-9.94	-4.48	-0.28	5.35e-04	0.0	-2.94e-04
1431	137	4.29	10.25	0.16	-1.41e-03	0.0	2.21e-04
1431	145	10.99	5.84	0.35	-8.24e-04	0.0	3.50e-04
1431	148	-11.16	-5.11	-0.31	6.18e-04	0.0	-3.33e-04
1431	169	4.84	11.54	0.17	-1.58e-03	0.0	2.48e-04
1431	177	10.88	5.96	0.34	-8.41e-04	0.0	3.50e-04
1431	180	-11.06	-5.23	-0.31	6.35e-04	0.0	-3.33e-04
1431	201	4.84	11.82	0.17	-1.61e-03	0.0	2.49e-04
1431	209	12.76	7.03	0.40	-9.84e-04	0.0	4.12e-04
1431	212	-12.94	-6.31	-0.37	7.78e-04	0.0	-3.95e-04
1431	233	5.71	13.99	0.20	-1.90e-03	0.0	2.93e-04
1431	244	0.04	0.48	0.05	-1.36e-04	0.0	8.77e-06
1431	264	-0.61	0.42	5.34e-03	-1.16e-04	0.0	1.83e-05
1431	276	-0.08	1.51	0.03	4.29e-04	0.0	-8.09e-06
1431	298	-0.09	0.39	0.02	-1.10e-04	0.0	9.04e-06
1431	305	-0.19	0.37	0.01	-1.03e-04	0.0	1.02e-05
1431	307	-0.09	0.58	0.02	6.02e-06	0.0	4.94e-06
1431	310	-0.09	0.36	0.02	-1.03e-04	0.0	8.51e-06
1432	44	-1.11	0.68	-0.37	0.0	-1.85e-04	-3.83e-05
1432	52	-0.28	1.20	-0.51	0.0	-7.52e-05	7.98e-06
1432	68	-0.23	1.45	-0.49	0.0	-6.27e-05	6.62e-06
1432	123	-7.82	3.41	-0.33	0.0	-1.15e-03	1.20e-04
1432	129	0.67	10.07	-1.17	0.0	7.96e-05	3.21e-04
1432	155	-8.77	3.82	-0.34	0.0	-1.28e-03	1.34e-04
1432	161	0.78	11.36	-1.29	0.0	9.44e-05	3.62e-04
1432	187	-8.63	3.93	-0.35	0.0	-1.26e-03	1.35e-04
1432	193	0.76	11.79	-1.33	0.0	9.15e-05	3.67e-04
1432	219	-10.00	4.65	-0.38	0.0	-1.46e-03	1.60e-04
1432	225	0.92	14.13	-1.55	0.0	1.13e-04	4.38e-04
1432	264	-0.75	0.47	-0.27	0.0	-1.26e-04	-2.52e-05
1432	268	-0.19	0.82	-0.36	0.0	-5.22e-05	5.57e-06
1432	276	-0.16	0.98	-0.35	0.0	-4.39e-05	4.66e-06

1432	305	-0.27	0.37	-0.25	0.0	-5.79e-05	-1.77e-06
1432	307	-0.15	0.47	-0.27	0.0	-4.16e-05	4.21e-06
1432	310	-0.15	0.35	-0.25	0.0	-4.21e-05	4.24e-06
1433	4	0.02	0.79	0.08	-2.68e-04	0.0	1.36e-05
1433	44	-1.02	0.68	0.02	-2.33e-04	0.0	2.87e-05
1433	68	-0.17	1.72	0.06	-1.40e-03	0.0	1.61e-05
1433	113	10.33	5.57	0.32	-6.31e-04	0.0	3.29e-04
1433	116	-10.59	-4.74	-0.28	3.50e-04	0.0	-3.10e-04
1433	137	4.54	10.92	0.16	-1.17e-03	0.0	2.43e-04
1433	145	11.63	6.24	0.36	-6.94e-04	0.0	3.69e-04
1433	148	-11.89	-5.41	-0.32	4.13e-04	0.0	-3.51e-04
1433	169	5.13	12.30	0.18	-1.31e-03	0.0	2.73e-04
1433	177	11.53	6.36	0.35	-7.07e-04	0.0	3.69e-04
1433	180	-11.78	-5.53	-0.32	4.26e-04	0.0	-3.51e-04
1433	201	5.12	12.60	0.18	-1.34e-03	0.0	2.74e-04
1433	209	13.52	7.51	0.41	-8.17e-04	0.0	4.36e-04
1433	212	-13.78	-6.68	-0.37	5.36e-04	0.0	-4.17e-04
1433	233	6.04	14.90	0.21	-1.56e-03	0.0	3.22e-04
1433	244	4.25e-03	0.55	0.05	-1.86e-04	0.0	9.58e-06
1433	264	-0.68	0.47	9.05e-03	-1.63e-04	0.0	1.97e-05
1433	276	-0.12	1.17	0.03	-9.38e-04	0.0	1.12e-05
1433	298	-0.13	0.44	0.02	-1.48e-04	0.0	9.82e-06
1433	305	-0.24	0.42	0.01	-1.40e-04	0.0	1.11e-05
1433	307	-0.12	0.56	0.02	-2.95e-04	0.0	9.36e-06
1433	310	-0.13	0.42	0.02	-1.41e-04	0.0	9.23e-06
1434	44	-1.37	0.68	-9.24	-4.97e-04	-2.84e-03	2.32e-05
1434	52	-0.36	1.42	-11.11	-6.25e-04	-3.46e-03	1.35e-05
1434	68	-0.29	1.72	-9.29	-5.70e-04	-2.84e-03	1.07e-05
1434	123	-9.10	3.24	-7.29	-6.03e-04	-2.24e-03	8.01e-05
1434	137	0.73	10.95	-7.34	-1.21e-03	-2.19e-03	2.06e-04
1434	139	-3.01	9.31	-7.92	-1.07e-03	-2.36e-03	5.41e-05
1434	155	-10.21	3.61	-7.48	-6.41e-04	-2.30e-03	8.98e-05
1434	169	0.85	12.33	-7.54	-1.32e-03	-2.24e-03	2.31e-04
1434	171	-3.35	10.49	-8.19	-1.17e-03	-2.43e-03	6.04e-05
1434	187	-10.05	3.72	-7.47	-6.50e-04	-2.29e-03	9.40e-05
1434	201	0.85	12.62	-7.58	-1.35e-03	-2.24e-03	2.29e-04
1434	203	-3.26	10.78	-8.22	-1.19e-03	-2.42e-03	6.15e-05
1434	219	-11.65	4.39	-7.75	-7.17e-04	-2.37e-03	1.12e-04
1434	233	1.04	14.92	-7.92	-1.54e-03	-2.32e-03	2.69e-04
1434	235	-3.75	12.76	-8.65	-1.36e-03	-2.53e-03	7.21e-05
1434	264	-0.92	0.47	-6.41	-3.46e-04	-1.96e-03	1.58e-05
1434	268	-0.25	0.97	-7.66	-4.32e-04	-2.38e-03	9.38e-06
1434	276	-0.21	1.17	-6.44	-3.95e-04	-1.97e-03	7.53e-06
1434	298	-0.21	0.44	-6.26	-3.25e-04	-1.95e-03	7.83e-06
1434	305	-0.34	0.42	-5.85	-3.07e-04	-1.82e-03	8.84e-06
1434	307	-0.20	0.56	-5.86	-3.17e-04	-1.82e-03	7.18e-06
1434	310	-0.20	0.42	-5.84	-3.06e-04	-1.82e-03	7.28e-06
1435	4	0.08	0.18	-0.31	0.0	-2.74e-05	4.82e-05
1435	44	-0.75	0.26	-0.22	0.0	-2.39e-04	-1.46e-04
1435	68	-0.10	0.76	-0.28	0.0	-6.54e-05	2.43e-06
1435	121	4.75	1.55	-0.47	0.0	9.99e-04	2.87e-05
1435	123	-5.35	2.09	0.06	0.0	-1.19e-03	7.85e-05
1435	129	0.53	6.25	-0.37	0.0	8.63e-05	2.19e-04
1435	153	5.35	1.75	-0.51	0.0	1.13e-03	3.24e-05
1435	155	-6.00	2.35	0.09	0.0	-1.33e-03	8.83e-05
1435	161	0.61	7.07	-0.40	0.0	1.02e-04	2.47e-04
1435	185	5.26	1.83	-0.50	0.0	1.11e-03	3.46e-05
1435	187	-5.91	2.42	0.08	0.0	-1.31e-03	8.89e-05
1435	193	0.59	7.33	-0.40	0.0	9.83e-05	2.51e-04
1435	217	6.13	2.19	-0.56	0.0	1.30e-03	4.24e-05
1435	219	-6.86	2.88	0.12	0.0	-1.51e-03	1.05e-04
1435	225	0.70	8.81	-0.45	0.0	1.21e-04	3.00e-04
1435	244	0.05	0.13	-0.22	0.0	-2.06e-05	3.22e-05
1435	264	-0.51	0.18	-0.16	0.0	-1.61e-04	-9.74e-05
1435	276	-0.07	0.51	-0.20	0.0	-4.59e-05	1.73e-06
1435	298	-0.07	0.12	-0.18	0.0	-4.53e-05	1.94e-06
1435	305	-0.15	0.12	-0.16	0.0	-6.57e-05	-1.81e-05
1435	307	-0.06	0.19	-0.17	0.0	-4.26e-05	1.75e-06
1435	310	-0.06	0.11	-0.17	0.0	-4.29e-05	1.82e-06
1436	4	0.14	0.19	-0.35	0.0	4.04e-05	9.61e-05
1436	44	-0.94	0.26	-0.27	0.0	-4.56e-04	-2.91e-04
1436	68	-0.09	0.76	-0.30	0.0	-6.34e-05	6.04e-06
1436	121	4.76	1.55	-0.32	0.0	1.13e-03	7.84e-05
1436	123	-5.36	2.09	-0.08	0.0	-1.10e-03	3.51e-05
1436	129	0.54	6.26	-0.26	0.0	4.53e-04	2.32e-04

1436	153	5.35	1.75	-0.34	0.0	1.28e-03	8.80e-05
1436	155	-6.01	2.35	-0.07	0.0	-1.24e-03	3.94e-05
1436	161	0.62	7.07	-0.27	0.0	5.15e-04	2.62e-04
1436	185	5.26	1.83	-0.33	0.0	1.26e-03	8.88e-05
1436	187	-5.92	2.42	-0.07	0.0	-1.22e-03	4.19e-05
1436	193	0.60	7.34	-0.27	0.0	5.08e-04	2.67e-04
1436	217	6.13	2.19	-0.36	0.0	1.47e-03	1.05e-04
1436	219	-6.87	2.88	-0.05	0.0	-1.41e-03	5.07e-05
1436	225	0.70	8.82	-0.29	0.0	6.01e-04	3.18e-04
1436	244	0.09	0.13	-0.24	0.0	2.48e-05	6.43e-05
1436	264	-0.63	0.18	-0.20	0.0	-3.07e-04	-1.94e-04
1436	276	-0.06	0.51	-0.21	0.0	-4.44e-05	4.26e-06
1436	298	-0.06	0.12	-0.20	0.0	-4.41e-05	3.93e-06
1436	305	-0.17	0.12	-0.19	0.0	-9.39e-05	-3.59e-05
1436	307	-0.06	0.19	-0.19	0.0	-4.14e-05	3.73e-06
1436	310	-0.06	0.11	-0.19	0.0	-4.18e-05	3.73e-06
1437	4	0.06	0.25	-0.34	0.0	-3.24e-05	8.40e-05
1437	44	-0.86	0.32	-0.25	0.0	-2.14e-04	-2.55e-04
1437	68	-0.13	0.86	-0.31	0.0	-6.34e-05	4.93e-06
1437	121	5.28	1.73	-0.50	0.0	1.00e-03	3.74e-05
1437	123	-5.97	2.30	0.05	0.0	-1.19e-03	8.93e-05
1437	129	0.58	6.85	-0.40	0.0	8.78e-05	2.57e-04
1437	153	5.95	1.94	-0.54	0.0	1.13e-03	4.21e-05
1437	155	-6.70	2.58	0.08	0.0	-1.33e-03	1.00e-04
1437	161	0.66	7.75	-0.43	0.0	1.03e-04	2.89e-04
1437	185	5.85	2.03	-0.54	0.0	1.11e-03	4.50e-05
1437	187	-6.60	2.66	0.07	0.0	-1.31e-03	1.01e-04
1437	193	0.65	8.04	-0.43	0.0	9.97e-05	2.94e-04
1437	217	6.81	2.43	-0.60	0.0	1.30e-03	5.46e-05
1437	219	-7.66	3.16	0.11	0.0	-1.52e-03	1.19e-04
1437	225	0.77	9.66	-0.48	0.0	1.23e-04	3.51e-04
1437	244	0.04	0.17	-0.24	0.0	-2.38e-05	5.62e-05
1437	264	-0.58	0.22	-0.18	0.0	-1.45e-04	-1.70e-04
1437	276	-0.09	0.58	-0.22	0.0	-4.44e-05	3.47e-06
1437	298	-0.09	0.15	-0.19	0.0	-4.41e-05	3.32e-06
1437	305	-0.18	0.16	-0.18	0.0	-6.15e-05	-3.16e-05
1437	307	-0.08	0.23	-0.19	0.0	-4.14e-05	3.11e-06
1437	310	-0.08	0.14	-0.18	0.0	-4.18e-05	3.13e-06
1438	4	0.16	0.25	-0.38	0.0	1.02e-05	1.57e-04
1438	44	-1.17	0.33	-0.30	0.0	-3.53e-04	-4.94e-04
1438	68	-0.12	0.87	-0.33	0.0	-6.27e-05	6.27e-06
1438	121	5.30	1.74	-0.35	0.0	1.12e-03	1.18e-04
1438	123	-6.00	2.31	-0.09	0.0	-1.10e-03	1.06e-05
1438	129	0.59	6.89	-0.29	0.0	4.50e-04	2.72e-04
1438	153	5.97	1.96	-0.37	0.0	1.27e-03	1.32e-04
1438	155	-6.73	2.60	-0.07	0.0	-1.23e-03	1.19e-05
1438	161	0.67	7.79	-0.30	0.0	5.11e-04	3.07e-04
1438	185	5.87	2.04	-0.37	0.0	1.25e-03	1.33e-04
1438	187	-6.63	2.67	-0.08	0.0	-1.21e-03	1.52e-05
1438	193	0.65	8.08	-0.30	0.0	5.04e-04	3.12e-04
1438	217	6.83	2.44	-0.39	0.0	1.46e-03	1.57e-04
1438	219	-7.70	3.18	-0.06	0.0	-1.40e-03	1.99e-05
1438	225	0.77	9.71	-0.31	0.0	5.97e-04	3.72e-04
1438	244	0.10	0.18	-0.26	0.0	4.66e-06	1.05e-04
1438	264	-0.79	0.22	-0.21	0.0	-2.38e-04	-3.29e-04
1438	276	-0.09	0.59	-0.23	0.0	-4.39e-05	4.43e-06
1438	298	-0.09	0.16	-0.22	0.0	-4.38e-05	3.95e-06
1438	305	-0.22	0.16	-0.20	0.0	-7.99e-05	-6.30e-05
1438	307	-0.08	0.23	-0.21	0.0	-4.11e-05	3.76e-06
1438	310	-0.08	0.15	-0.21	0.0	-4.15e-05	3.75e-06
1439	44	-0.96	0.44	-0.26	0.0	-1.87e-04	-3.34e-04
1439	52	-0.19	0.83	-0.36	0.0	-7.56e-05	7.76e-06
1439	68	-0.16	1.05	-0.32	0.0	-6.37e-05	6.71e-06
1439	121	5.82	2.05	-0.52	0.0	1.00e-03	5.31e-05
1439	123	-6.61	2.67	0.05	0.0	-1.19e-03	8.92e-05
1439	129	0.63	7.92	-0.43	0.0	8.77e-05	2.89e-04
1439	153	6.55	2.30	-0.57	0.0	1.13e-03	5.98e-05
1439	155	-7.41	2.99	0.08	0.0	-1.33e-03	1.00e-04
1439	161	0.72	8.95	-0.46	0.0	1.03e-04	3.26e-04
1439	185	6.45	2.40	-0.56	0.0	1.11e-03	6.31e-05
1439	187	-7.30	3.08	0.07	0.0	-1.31e-03	1.01e-04
1439	193	0.70	9.28	-0.46	0.0	9.96e-05	3.31e-04
1439	217	7.51	2.86	-0.63	0.0	1.30e-03	7.59e-05
1439	219	-8.46	3.66	0.11	0.0	-1.52e-03	1.19e-04
1439	225	0.83	11.14	-0.52	0.0	1.23e-04	3.95e-04

1439	264	-0.65	0.30	-0.19	0.0	-1.27e-04	-2.22e-04
1439	268	-0.13	0.57	-0.25	0.0	-5.25e-05	5.43e-06
1439	276	-0.11	0.71	-0.23	0.0	-4.46e-05	4.73e-06
1439	298	-0.11	0.23	-0.20	0.0	-4.45e-05	4.30e-06
1439	305	-0.21	0.23	-0.19	0.0	-5.82e-05	-4.13e-05
1439	307	-0.11	0.31	-0.20	0.0	-4.17e-05	4.07e-06
1439	310	-0.11	0.21	-0.19	0.0	-4.21e-05	4.06e-06
1440	4	0.16	0.38	-0.40	0.0	-2.77e-05	1.89e-04
1440	44	-1.33	0.44	-0.32	0.0	-2.28e-04	-5.98e-04
1440	68	-0.16	1.06	-0.35	0.0	-6.27e-05	6.59e-06
1440	121	5.84	2.05	-0.37	0.0	1.11e-03	1.38e-04
1440	123	-6.64	2.67	-0.09	0.0	-1.09e-03	4.24e-06
1440	129	0.64	7.92	-0.30	0.0	4.44e-04	3.05e-04
1440	153	6.57	2.30	-0.39	0.0	1.25e-03	1.56e-04
1440	155	-7.45	2.99	-0.07	0.0	-1.22e-03	4.81e-06
1440	161	0.73	8.95	-0.31	0.0	5.04e-04	3.44e-04
1440	185	6.46	2.40	-0.39	0.0	1.23e-03	1.56e-04
1440	187	-7.34	3.08	-0.08	0.0	-1.20e-03	8.67e-06
1440	193	0.70	9.28	-0.32	0.0	4.98e-04	3.50e-04
1440	217	7.53	2.86	-0.42	0.0	1.44e-03	1.84e-04
1440	219	-8.51	3.66	-0.06	0.0	-1.38e-03	1.27e-05
1440	225	0.83	11.14	-0.33	0.0	5.89e-04	4.17e-04
1440	244	0.10	0.26	-0.28	0.0	-2.06e-05	1.26e-04
1440	264	-0.89	0.30	-0.23	0.0	-1.54e-04	-3.99e-04
1440	276	-0.11	0.71	-0.25	0.0	-4.40e-05	4.64e-06
1440	298	-0.11	0.23	-0.23	0.0	-4.40e-05	4.05e-06
1440	305	-0.26	0.23	-0.21	0.0	-6.33e-05	-7.68e-05
1440	307	-0.10	0.31	-0.22	0.0	-4.12e-05	3.87e-06
1440	310	-0.10	0.21	-0.22	0.0	-4.16e-05	3.84e-06
1441	4	0.20	0.19	-0.37	0.0	1.15e-04	9.35e-05
1441	44	-1.11	0.26	-0.31	0.0	-7.02e-04	-2.81e-04
1441	68	-0.09	0.76	-0.31	0.0	-6.23e-05	6.42e-06
1441	122	5.26	-1.87	-0.28	0.0	1.06e-03	-2.14e-05
1441	123	-5.38	2.09	-0.13	0.0	-1.14e-03	2.91e-05
1441	129	0.54	6.25	-0.18	0.0	4.87e-04	2.35e-04
1441	154	5.92	-2.13	-0.29	0.0	1.19e-03	-2.50e-05
1441	155	-6.04	2.35	-0.12	0.0	-1.28e-03	3.27e-05
1441	161	0.61	7.07	-0.18	0.0	5.53e-04	2.65e-04
1441	186	5.83	-2.20	-0.29	0.0	1.17e-03	-2.78e-05
1441	187	-5.95	2.42	-0.12	0.0	-1.26e-03	3.56e-05
1441	193	0.59	7.33	-0.17	0.0	5.47e-04	2.70e-04
1441	218	6.79	-2.66	-0.30	0.0	1.37e-03	-3.55e-05
1441	219	-6.91	2.88	-0.11	0.0	-1.45e-03	4.33e-05
1441	225	0.68	8.82	-0.17	0.0	6.48e-04	3.22e-04
1441	244	0.13	0.13	-0.26	0.0	7.47e-05	6.25e-05
1441	264	-0.75	0.18	-0.22	0.0	-4.70e-04	-1.87e-04
1441	276	-0.06	0.51	-0.22	0.0	-4.37e-05	4.51e-06
1441	298	-0.06	0.12	-0.21	0.0	-4.36e-05	4.09e-06
1441	305	-0.19	0.12	-0.20	0.0	-1.26e-04	-3.44e-05
1441	307	-0.06	0.19	-0.20	0.0	-4.09e-05	3.89e-06
1441	310	-0.06	0.11	-0.20	0.0	-4.13e-05	3.87e-06
1442	4	0.26	0.25	-0.40	0.0	5.81e-05	1.55e-04
1442	44	-1.47	0.33	-0.33	0.0	-5.11e-04	-4.83e-04
1442	68	-0.12	0.87	-0.34	0.0	-6.21e-05	7.06e-06
1442	122	5.89	-2.02	-0.30	0.0	1.04e-03	1.15e-05
1442	123	-6.05	2.31	-0.14	0.0	-1.12e-03	-3.25e-06
1442	129	0.59	6.89	-0.19	0.0	4.76e-04	2.78e-04
1442	154	6.63	-2.30	-0.31	0.0	1.17e-03	1.19e-05
1442	155	-6.79	2.60	-0.13	0.0	-1.25e-03	-3.66e-06
1442	161	0.67	7.79	-0.19	0.0	5.41e-04	3.13e-04
1442	186	6.52	-2.38	-0.31	0.0	1.15e-03	7.99e-06
1442	187	-6.69	2.67	-0.13	0.0	-1.23e-03	0.0
1442	193	0.64	8.08	-0.19	0.0	5.35e-04	3.19e-04
1442	218	7.60	-2.89	-0.33	0.0	1.34e-03	5.66e-06
1442	219	-7.76	3.18	-0.11	0.0	-1.42e-03	2.59e-06
1442	225	0.75	9.71	-0.18	0.0	6.34e-04	3.80e-04
1442	244	0.17	0.18	-0.28	0.0	3.66e-05	1.03e-04
1442	264	-0.99	0.22	-0.24	0.0	-3.43e-04	-3.22e-04
1442	276	-0.08	0.59	-0.24	0.0	-4.35e-05	4.97e-06
1442	298	-0.09	0.16	-0.23	0.0	-4.36e-05	4.35e-06
1442	305	-0.26	0.16	-0.22	0.0	-1.01e-04	-6.12e-05
1442	307	-0.08	0.23	-0.22	0.0	-4.08e-05	4.17e-06
1442	310	-0.08	0.15	-0.22	0.0	-4.12e-05	4.13e-06
1443	4	0.27	0.38	-0.43	0.0	-1.39e-05	1.86e-04
1443	44	-1.70	0.44	-0.35	0.0	-2.71e-04	-5.87e-04

1443	68	-0.15	1.06	-0.36	0.0	-6.19e-05	7.63e-06
1443	122	6.49	-2.24	-0.32	0.0	1.00e-03	2.11e-05
1443	123	-6.70	2.67	-0.14	0.0	-1.09e-03	-1.24e-05
1443	129	0.63	7.92	-0.20	0.0	4.61e-04	3.12e-04
1443	154	7.31	-2.56	-0.34	0.0	1.13e-03	2.26e-05
1443	155	-7.52	2.99	-0.13	0.0	-1.22e-03	-1.39e-05
1443	161	0.72	8.95	-0.20	0.0	5.23e-04	3.52e-04
1443	186	7.20	-2.66	-0.33	0.0	1.11e-03	1.81e-05
1443	187	-7.40	3.08	-0.13	0.0	-1.20e-03	-9.36e-06
1443	193	0.69	9.28	-0.20	0.0	5.18e-04	3.58e-04
1443	218	8.39	-3.23	-0.35	0.0	1.30e-03	1.70e-05
1443	219	-8.59	3.66	-0.12	0.0	-1.38e-03	-8.27e-06
1443	225	0.81	11.14	-0.19	0.0	6.14e-04	4.27e-04
1443	244	0.18	0.26	-0.30	0.0	-1.14e-05	1.25e-04
1443	264	-1.14	0.31	-0.25	0.0	-1.82e-04	-3.91e-04
1443	276	-0.11	0.71	-0.25	0.0	-4.34e-05	5.37e-06
1443	298	-0.11	0.23	-0.25	0.0	-4.35e-05	4.60e-06
1443	305	-0.31	0.23	-0.23	0.0	-6.86e-05	-7.48e-05
1443	307	-0.10	0.31	-0.23	0.0	-4.08e-05	4.42e-06
1443	310	-0.10	0.21	-0.23	0.0	-4.12e-05	4.36e-06
1444	44	-1.25	0.26	-0.33	0.0	-9.07e-04	-2.13e-04
1444	68	-0.08	0.76	-0.31	0.0	-6.13e-05	6.50e-06
1444	76	-0.10	0.03	-0.39	0.0	-7.59e-05	7.29e-06
1444	124	-5.41	-1.33	-0.22	0.0	-1.31e-03	-7.70e-05
1444	129	2.27	6.24	-0.10	0.0	5.23e-04	2.37e-04
1444	130	0.52	-5.14	-0.35	0.0	9.06e-05	-1.24e-04
1444	156	-6.07	-1.53	-0.22	0.0	-1.46e-03	-8.74e-05
1444	161	2.57	7.06	-0.09	0.0	5.93e-04	2.67e-04
1444	162	0.59	-5.84	-0.37	0.0	1.06e-04	-1.42e-04
1444	188	-5.98	-1.60	-0.22	0.0	-1.44e-03	-8.78e-05
1444	193	2.54	7.32	-0.08	0.0	5.89e-04	2.72e-04
1444	194	0.56	-6.08	-0.37	0.0	9.75e-05	-1.48e-04
1444	220	-6.94	-1.97	-0.22	0.0	-1.67e-03	-1.05e-04
1444	225	2.99	8.80	-0.05	0.0	6.98e-04	3.25e-04
1444	226	0.65	-7.35	-0.41	0.0	1.16e-04	-1.81e-04
1444	264	-0.84	0.18	-0.23	0.0	-6.07e-04	-1.42e-04
1444	276	-0.06	0.51	-0.22	0.0	-4.29e-05	4.56e-06
1444	280	-0.07	0.03	-0.27	0.0	-5.27e-05	5.08e-06
1444	298	-0.06	0.12	-0.22	0.0	-4.32e-05	4.12e-06
1444	305	-0.21	0.12	-0.21	0.0	-1.53e-04	-2.53e-05
1444	307	-0.06	0.19	-0.21	0.0	-4.04e-05	3.92e-06
1444	310	-0.06	0.11	-0.21	0.0	-4.09e-05	3.89e-06
1445	44	-1.72	0.32	-0.36	0.0	-6.46e-04	-3.80e-04
1445	68	-0.12	0.86	-0.34	0.0	-6.11e-05	7.42e-06
1445	76	-0.15	0.08	-0.43	0.0	-7.58e-05	8.02e-06
1445	124	-6.10	-1.44	-0.24	0.0	-1.27e-03	-1.25e-04
1445	129	2.55	6.86	-0.11	0.0	5.05e-04	2.81e-04
1445	130	0.57	-5.61	-0.38	0.0	8.57e-05	-1.34e-04
1445	156	-6.85	-1.66	-0.24	0.0	-1.42e-03	-1.42e-04
1445	161	2.88	7.75	-0.09	0.0	5.73e-04	3.17e-04
1445	162	0.65	-6.38	-0.40	0.0	1.00e-04	-1.53e-04
1445	188	-6.74	-1.74	-0.24	0.0	-1.40e-03	-1.42e-04
1445	193	2.85	8.04	-0.09	0.0	5.69e-04	3.23e-04
1445	194	0.61	-6.63	-0.41	0.0	9.22e-05	-1.61e-04
1445	220	-7.83	-2.14	-0.24	0.0	-1.62e-03	-1.68e-04
1445	225	3.36	9.66	-0.06	0.0	6.75e-04	3.85e-04
1445	226	0.71	-8.03	-0.45	0.0	1.10e-04	-1.97e-04
1445	264	-1.15	0.22	-0.25	0.0	-4.32e-04	-2.53e-04
1445	276	-0.08	0.58	-0.24	0.0	-4.28e-05	5.21e-06
1445	280	-0.10	0.06	-0.30	0.0	-5.26e-05	5.61e-06
1445	298	-0.08	0.15	-0.24	0.0	-4.31e-05	4.55e-06
1445	305	-0.29	0.15	-0.23	0.0	-1.18e-04	-4.73e-05
1445	307	-0.08	0.23	-0.23	0.0	-4.04e-05	4.36e-06
1445	310	-0.08	0.14	-0.23	0.0	-4.08e-05	4.31e-06
1446	44	-2.00	0.44	-0.38	0.0	-3.08e-04	-4.79e-04
1446	68	-0.15	1.06	-0.36	0.0	-6.09e-05	8.29e-06
1446	76	-0.19	0.20	-0.45	0.0	-7.57e-05	8.77e-06
1446	124	-6.76	-1.62	-0.25	0.0	-1.21e-03	-1.48e-04
1446	129	2.82	7.92	-0.11	0.0	4.80e-04	3.15e-04
1446	130	0.62	-6.38	-0.41	0.0	7.88e-05	-1.48e-04
1446	156	-7.59	-1.87	-0.25	0.0	-1.35e-03	-1.67e-04
1446	161	3.18	8.94	-0.09	0.0	5.45e-04	3.55e-04
1446	162	0.70	-7.26	-0.44	0.0	9.25e-05	-1.68e-04
1446	188	-7.48	-1.97	-0.25	0.0	-1.33e-03	-1.67e-04
1446	193	3.15	9.28	-0.08	0.0	5.41e-04	3.62e-04

1446	194	0.66	-7.56	-0.44	0.0	8.46e-05	-1.77e-04
1446	220	-8.68	-2.43	-0.26	0.0	-1.54e-03	-1.98e-04
1446	225	3.71	11.14	-0.05	0.0	6.42e-04	4.32e-04
1446	226	0.77	-9.16	-0.48	0.0	1.02e-04	-2.17e-04
1446	264	-1.34	0.31	-0.27	0.0	-2.08e-04	-3.19e-04
1446	276	-0.10	0.71	-0.26	0.0	-4.27e-05	5.82e-06
1446	280	-0.13	0.14	-0.32	0.0	-5.25e-05	6.14e-06
1446	298	-0.11	0.23	-0.26	0.0	-4.30e-05	4.99e-06
1446	305	-0.35	0.23	-0.24	0.0	-7.33e-05	-6.02e-05
1446	307	-0.10	0.31	-0.24	0.0	-4.03e-05	4.79e-06
1446	310	-0.10	0.21	-0.25	0.0	-4.07e-05	4.72e-06
1447	44	-1.35	0.26	-0.33	0.0	-1.06e-03	-1.27e-04
1447	68	-0.08	0.75	-0.30	0.0	-6.02e-05	6.58e-06
1447	76	-0.10	0.03	-0.40	0.0	-7.50e-05	7.35e-06
1447	124	-5.43	-1.33	-0.28	0.0	-1.36e-03	-7.64e-05
1447	129	2.36	6.23	0.07	0.0	5.63e-04	2.39e-04
1447	132	-2.47	-6.02	-0.51	0.0	-6.43e-04	-2.31e-04
1447	156	-6.10	-1.53	-0.28	0.0	-1.52e-03	-8.67e-05
1447	161	2.66	7.04	0.11	0.0	6.38e-04	2.70e-04
1447	164	-2.77	-6.83	-0.55	0.0	-7.19e-04	-2.62e-04
1447	188	-6.01	-1.60	-0.29	0.0	-1.50e-03	-8.68e-05
1447	193	2.64	7.31	0.13	0.0	6.35e-04	2.75e-04
1447	196	-2.75	-7.09	-0.56	0.0	-7.16e-04	-2.67e-04
1447	220	-6.98	-1.97	-0.30	0.0	-1.74e-03	-1.04e-04
1447	225	3.11	8.78	0.20	0.0	7.53e-04	3.27e-04
1447	228	-3.22	-8.57	-0.63	0.0	-8.34e-04	-3.20e-04
1447	264	-0.90	0.18	-0.23	0.0	-7.09e-04	-8.46e-05
1447	276	-0.06	0.50	-0.21	0.0	-4.22e-05	4.61e-06
1447	280	-0.07	0.02	-0.28	0.0	-5.20e-05	5.12e-06
1447	298	-0.06	0.11	-0.23	0.0	-4.26e-05	4.16e-06
1447	305	-0.22	0.12	-0.22	0.0	-1.73e-04	-1.39e-05
1447	307	-0.05	0.18	-0.21	0.0	-3.99e-05	3.95e-06
1447	310	-0.05	0.11	-0.22	0.0	-4.04e-05	3.93e-06
1448	44	-1.90	0.30	-0.36	0.0	-7.60e-04	-2.47e-04
1448	68	-0.11	0.84	-0.33	0.0	-6.01e-05	7.58e-06
1448	76	-0.14	0.07	-0.44	0.0	-7.49e-05	8.17e-06
1448	124	-6.15	-1.44	-0.30	0.0	-1.29e-03	-1.29e-04
1448	129	2.65	6.77	0.08	0.0	5.36e-04	2.87e-04
1448	132	-2.81	-6.51	-0.56	0.0	-6.17e-04	-2.78e-04
1448	156	-6.91	-1.65	-0.31	0.0	-1.45e-03	-1.46e-04
1448	161	3.00	7.66	0.13	0.0	6.08e-04	3.24e-04
1448	164	-3.15	-7.39	-0.60	0.0	-6.89e-04	-3.15e-04
1448	188	-6.80	-1.73	-0.32	0.0	-1.43e-03	-1.45e-04
1448	193	2.98	7.94	0.14	0.0	6.05e-04	3.29e-04
1448	196	-3.13	-7.68	-0.61	0.0	-6.86e-04	-3.21e-04
1448	220	-7.90	-2.13	-0.33	0.0	-1.66e-03	-1.72e-04
1448	225	3.51	9.55	0.22	0.0	7.18e-04	3.93e-04
1448	228	-3.66	-9.28	-0.69	0.0	-7.99e-04	-3.84e-04
1448	264	-1.27	0.21	-0.26	0.0	-5.09e-04	-1.64e-04
1448	276	-0.08	0.57	-0.23	0.0	-4.21e-05	5.31e-06
1448	280	-0.10	0.05	-0.31	0.0	-5.20e-05	5.71e-06
1448	298	-0.08	0.14	-0.25	0.0	-4.26e-05	4.64e-06
1448	305	-0.31	0.14	-0.24	0.0	-1.33e-04	-2.95e-05
1448	307	-0.07	0.22	-0.23	0.0	-3.99e-05	4.45e-06
1448	310	-0.08	0.13	-0.24	0.0	-4.03e-05	4.39e-06
1449	44	-2.23	0.44	-0.39	0.0	-3.50e-04	-3.91e-04
1449	68	-0.14	1.06	-0.35	0.0	-6.00e-05	8.53e-06
1449	76	-0.18	0.20	-0.47	0.0	-7.48e-05	9.01e-06
1449	124	-6.82	-1.62	-0.32	0.0	-1.21e-03	-1.45e-04
1449	129	2.93	7.92	0.08	0.0	5.01e-04	3.17e-04
1449	132	-3.13	-7.49	-0.59	0.0	-5.81e-04	-3.08e-04
1449	156	-7.66	-1.87	-0.33	0.0	-1.36e-03	-1.64e-04
1449	161	3.31	8.95	0.13	0.0	5.69e-04	3.58e-04
1449	164	-3.51	-8.52	-0.63	0.0	-6.49e-04	-3.48e-04
1449	188	-7.55	-1.97	-0.33	0.0	-1.34e-03	-1.64e-04
1449	193	3.29	9.28	0.14	0.0	5.66e-04	3.64e-04
1449	196	-3.49	-8.85	-0.65	0.0	-6.47e-04	-3.55e-04
1449	220	-8.77	-2.43	-0.35	0.0	-1.55e-03	-1.94e-04
1449	225	3.88	11.14	0.22	0.0	6.72e-04	4.34e-04
1449	228	-4.07	-10.71	-0.73	0.0	-7.53e-04	-4.25e-04
1449	264	-1.49	0.31	-0.27	0.0	-2.35e-04	-2.61e-04
1449	276	-0.10	0.71	-0.25	0.0	-4.20e-05	5.99e-06
1449	280	-0.13	0.14	-0.33	0.0	-5.19e-05	6.31e-06
1449	298	-0.10	0.23	-0.27	0.0	-4.25e-05	5.13e-06
1449	305	-0.37	0.23	-0.25	0.0	-7.84e-05	-4.84e-05

1449	307	-0.10	0.31	-0.25	0.0	-3.98e-05	4.93e-06
1449	310	-0.10	0.21	-0.25	0.0	-4.03e-05	4.85e-06
1450	44	-1.37	0.24	-0.31	0.0	-1.16e-03	-4.54e-05
1450	68	-0.08	0.73	-0.25	0.0	-5.93e-05	6.60e-06
1450	76	-0.10	8.12e-03	-0.38	0.0	-7.42e-05	7.38e-06
1450	124	-5.46	-1.34	-0.32	0.0	-1.40e-03	-8.01e-05
1450	129	2.45	6.21	0.31	0.0	6.02e-04	2.41e-04
1450	132	-2.55	-6.03	-0.72	0.0	-6.81e-04	-2.33e-04
1450	156	-6.13	-1.54	-0.34	0.0	-1.57e-03	-9.08e-05
1450	161	2.76	7.03	0.38	0.0	6.82e-04	2.71e-04
1450	164	-2.87	-6.84	-0.79	0.0	-7.62e-04	-2.63e-04
1450	188	-6.04	-1.62	-0.35	0.0	-1.55e-03	-9.08e-05
1450	193	2.75	7.29	0.41	0.0	6.80e-04	2.76e-04
1450	196	-2.85	-7.10	-0.81	0.0	-7.60e-04	-2.68e-04
1450	220	-7.02	-1.98	-0.38	0.0	-1.80e-03	-1.09e-04
1450	225	3.24	8.77	0.53	0.0	8.07e-04	3.29e-04
1450	228	-3.34	-8.58	-0.93	0.0	-8.87e-04	-3.21e-04
1450	264	-0.92	0.16	-0.22	0.0	-7.76e-04	-3.00e-05
1450	276	-0.05	0.49	-0.18	0.0	-4.16e-05	4.62e-06
1450	280	-0.07	9.66e-03	-0.27	0.0	-5.15e-05	5.14e-06
1450	298	-0.05	0.10	-0.21	0.0	-4.22e-05	4.18e-06
1450	305	-0.22	0.11	-0.20	0.0	-1.86e-04	-2.97e-06
1450	307	-0.05	0.17	-0.19	0.0	-3.95e-05	3.97e-06
1450	310	-0.05	0.09	-0.20	0.0	-3.99e-05	3.94e-06
1451	44	-2.00	0.25	-0.33	0.0	-8.81e-04	7.72e-05
1451	68	-0.11	0.78	-0.26	0.0	-5.92e-05	7.55e-06
1451	76	-0.14	0.02	-0.41	0.0	-7.41e-05	8.08e-06
1451	124	-6.21	-1.43	-0.36	0.0	-1.33e-03	-1.18e-04
1451	129	2.77	6.61	0.41	0.0	5.68e-04	2.89e-04
1451	132	-2.92	-6.40	-0.84	0.0	-6.48e-04	-2.80e-04
1451	156	-6.97	-1.64	-0.38	0.0	-1.49e-03	-1.33e-04
1451	161	3.13	7.47	0.49	0.0	6.44e-04	3.26e-04
1451	164	-3.27	-7.27	-0.92	0.0	-7.24e-04	-3.17e-04
1451	188	-6.87	-1.72	-0.39	0.0	-1.47e-03	-1.33e-04
1451	193	3.11	7.76	0.52	0.0	6.43e-04	3.31e-04
1451	196	-3.26	-7.55	-0.95	0.0	-7.23e-04	-3.23e-04
1451	220	-7.98	-2.11	-0.43	0.0	-1.70e-03	-1.58e-04
1451	225	3.67	9.32	0.67	0.0	7.63e-04	3.95e-04
1451	228	-3.82	-9.12	-1.10	0.0	-8.43e-04	-3.86e-04
1451	264	-1.34	0.17	-0.23	0.0	-5.89e-04	5.17e-05
1451	276	-0.08	0.52	-0.19	0.0	-4.15e-05	5.28e-06
1451	280	-0.09	0.01	-0.29	0.0	-5.14e-05	5.63e-06
1451	298	-0.08	0.11	-0.23	0.0	-4.21e-05	4.61e-06
1451	305	-0.32	0.11	-0.21	0.0	-1.49e-04	1.37e-05
1451	307	-0.07	0.18	-0.21	0.0	-3.94e-05	4.41e-06
1451	310	-0.07	0.10	-0.22	0.0	-3.99e-05	4.34e-06
1452	44	-2.43	0.44	-0.34	0.0	-4.13e-04	-3.67e-04
1452	68	-0.14	1.05	-0.26	0.0	-5.92e-05	8.56e-06
1452	76	-0.18	0.19	-0.43	0.0	-7.41e-05	9.03e-06
1452	124	-6.89	-1.63	-0.41	0.0	-1.22e-03	-1.48e-04
1452	129	3.06	7.94	0.55	0.0	5.19e-04	3.19e-04
1452	132	-3.25	-7.52	-1.00	0.0	-5.99e-04	-3.09e-04
1452	156	-7.73	-1.88	-0.44	0.0	-1.37e-03	-1.67e-04
1452	161	3.45	8.97	0.65	0.0	5.89e-04	3.59e-04
1452	164	-3.64	-8.55	-1.10	0.0	-6.69e-04	-3.50e-04
1452	188	-7.62	-1.98	-0.45	0.0	-1.35e-03	-1.67e-04
1452	193	3.44	9.31	0.68	0.0	5.88e-04	3.66e-04
1452	196	-3.63	-8.88	-1.13	0.0	-6.67e-04	-3.56e-04
1452	220	-8.85	-2.44	-0.49	0.0	-1.56e-03	-1.98e-04
1452	225	4.06	11.17	0.87	0.0	6.98e-04	4.36e-04
1452	228	-4.25	-10.75	-1.32	0.0	-7.78e-04	-4.27e-04
1452	264	-1.63	0.30	-0.24	0.0	-2.78e-04	-2.44e-04
1452	276	-0.10	0.71	-0.19	0.0	-4.15e-05	6.00e-06
1452	280	-0.12	0.14	-0.30	0.0	-5.14e-05	6.32e-06
1452	298	-0.10	0.22	-0.24	0.0	-4.21e-05	5.15e-06
1452	305	-0.40	0.22	-0.22	0.0	-8.66e-05	-4.51e-05
1452	307	-0.09	0.31	-0.21	0.0	-3.94e-05	4.95e-06
1452	310	-0.09	0.21	-0.23	0.0	-3.99e-05	4.86e-06
1453	44	-1.05	0.56	-0.28	0.0	-1.64e-04	-3.36e-04
1453	52	-0.23	1.02	-0.37	0.0	-7.67e-05	8.77e-06
1453	68	-0.19	1.25	-0.34	0.0	-6.45e-05	7.61e-06
1453	121	6.32	2.38	-0.54	0.0	9.95e-04	9.11e-05
1453	123	-7.20	3.04	0.04	0.0	-1.18e-03	6.35e-05
1453	129	0.67	8.99	-0.45	0.0	8.64e-05	3.15e-04
1453	153	7.12	2.66	-0.59	0.0	1.12e-03	1.02e-04

1453	155	-8.08	3.40	0.07	0.0	-1.32e-03	7.15e-05
1453	161	0.77	10.15	-0.48	0.0	1.02e-04	3.55e-04
1453	185	7.00	2.77	-0.58	0.0	1.10e-03	1.03e-04
1453	187	-7.95	3.51	0.06	0.0	-1.30e-03	7.51e-05
1453	193	0.75	10.53	-0.49	0.0	9.81e-05	3.61e-04
1453	217	8.16	3.29	-0.65	0.0	1.29e-03	1.22e-04
1453	219	-9.22	4.16	0.10	0.0	-1.51e-03	9.01e-05
1453	225	0.90	12.63	-0.54	0.0	1.21e-04	4.31e-04
1453	264	-0.71	0.39	-0.20	0.0	-1.12e-04	-2.24e-04
1453	268	-0.16	0.69	-0.26	0.0	-5.33e-05	6.13e-06
1453	276	-0.14	0.85	-0.24	0.0	-4.52e-05	5.35e-06
1453	298	-0.13	0.30	-0.21	0.0	-4.51e-05	4.83e-06
1453	305	-0.24	0.30	-0.20	0.0	-5.56e-05	-4.12e-05
1453	307	-0.13	0.39	-0.21	0.0	-4.23e-05	4.58e-06
1453	310	-0.13	0.28	-0.20	0.0	-4.27e-05	4.56e-06
1454	4	0.13	0.51	-0.41	0.0	-6.55e-05	1.87e-04
1454	44	-1.41	0.56	-0.33	0.0	-1.04e-04	-5.87e-04
1454	68	-0.19	1.25	-0.36	0.0	-6.31e-05	7.67e-06
1454	121	6.33	2.38	-0.39	0.0	1.09e-03	1.41e-04
1454	123	-7.23	3.04	-0.09	0.0	-1.07e-03	1.54e-05
1454	129	0.68	9.00	-0.32	0.0	4.36e-04	3.30e-04
1454	153	7.14	2.66	-0.41	0.0	1.23e-03	1.58e-04
1454	155	-8.12	3.41	-0.08	0.0	-1.20e-03	1.73e-05
1454	161	0.78	10.16	-0.33	0.0	4.95e-04	3.72e-04
1454	185	7.02	2.77	-0.41	0.0	1.21e-03	1.59e-04
1454	187	-7.99	3.51	-0.08	0.0	-1.18e-03	2.14e-05
1454	193	0.75	10.53	-0.33	0.0	4.89e-04	3.79e-04
1454	217	8.17	3.30	-0.44	0.0	1.42e-03	1.88e-04
1454	219	-9.27	4.16	-0.06	0.0	-1.36e-03	2.77e-05
1454	225	0.89	12.64	-0.35	0.0	5.79e-04	4.52e-04
1454	244	0.08	0.36	-0.29	0.0	-4.58e-05	1.25e-04
1454	264	-0.95	0.39	-0.24	0.0	-7.16e-05	-3.91e-04
1454	276	-0.13	0.85	-0.26	0.0	-4.42e-05	5.40e-06
1454	298	-0.13	0.30	-0.24	0.0	-4.43e-05	4.67e-06
1454	305	-0.29	0.30	-0.22	0.0	-4.70e-05	-7.48e-05
1454	307	-0.12	0.39	-0.23	0.0	-4.15e-05	4.47e-06
1454	310	-0.13	0.28	-0.23	0.0	-4.19e-05	4.41e-06
1455	44	-1.14	0.68	-0.29	0.0	-1.41e-04	-2.69e-04
1455	52	-0.27	1.20	-0.39	0.0	-7.68e-05	9.15e-06
1455	68	-0.23	1.45	-0.36	0.0	-6.45e-05	7.86e-06
1455	121	6.81	2.71	-0.56	0.0	9.85e-04	9.59e-05
1455	123	-7.79	3.42	0.03	0.0	-1.17e-03	6.82e-05
1455	129	0.72	10.09	-0.47	0.0	8.44e-05	3.34e-04
1455	153	7.68	3.03	-0.60	0.0	1.11e-03	1.08e-04
1455	155	-8.74	3.82	0.06	0.0	-1.31e-03	7.68e-05
1455	161	0.82	11.38	-0.50	0.0	9.96e-05	3.77e-04
1455	185	7.55	3.15	-0.60	0.0	1.09e-03	1.08e-04
1455	187	-8.60	3.94	0.05	0.0	-1.29e-03	8.05e-05
1455	193	0.80	11.81	-0.51	0.0	9.58e-05	3.84e-04
1455	217	8.80	3.74	-0.66	0.0	1.28e-03	1.29e-04
1455	219	-9.98	4.66	0.09	0.0	-1.50e-03	9.66e-05
1455	225	0.96	14.15	-0.56	0.0	1.18e-04	4.57e-04
1455	264	-0.76	0.47	-0.21	0.0	-9.65e-05	-1.79e-04
1455	268	-0.19	0.82	-0.28	0.0	-5.34e-05	6.40e-06
1455	276	-0.16	0.98	-0.25	0.0	-4.51e-05	5.53e-06
1455	298	-0.16	0.38	-0.22	0.0	-4.53e-05	5.06e-06
1455	305	-0.27	0.37	-0.21	0.0	-5.27e-05	-3.21e-05
1455	307	-0.15	0.47	-0.22	0.0	-4.24e-05	4.78e-06
1455	310	-0.15	0.36	-0.21	0.0	-4.28e-05	4.76e-06
1456	4	0.09	0.65	-0.44	0.0	-1.01e-04	1.54e-04
1456	44	-1.43	0.69	-0.35	0.0	1.19e-05	-4.71e-04
1456	68	-0.22	1.45	-0.38	0.0	-6.30e-05	9.30e-06
1456	121	6.82	2.71	-0.41	0.0	1.07e-03	1.29e-04
1456	123	-7.81	3.42	-0.10	0.0	-1.05e-03	4.13e-05
1456	129	0.72	10.09	-0.33	0.0	4.27e-04	3.50e-04
1456	153	7.69	3.03	-0.43	0.0	1.21e-03	1.44e-04
1456	155	-8.77	3.82	-0.08	0.0	-1.18e-03	4.64e-05
1456	161	0.83	11.39	-0.35	0.0	4.85e-04	3.94e-04
1456	185	7.56	3.15	-0.43	0.0	1.19e-03	1.45e-04
1456	187	-8.63	3.94	-0.08	0.0	-1.16e-03	5.04e-05
1456	193	0.80	11.81	-0.35	0.0	4.79e-04	4.02e-04
1456	217	8.80	3.74	-0.46	0.0	1.39e-03	1.72e-04
1456	219	-10.01	4.66	-0.06	0.0	-1.34e-03	6.15e-05
1456	225	0.95	14.16	-0.37	0.0	5.67e-04	4.79e-04
1456	244	0.05	0.45	-0.31	0.0	-6.91e-05	1.03e-04

1456	264	-0.96	0.48	-0.25	0.0	5.84e-06	-3.13e-04
1456	276	-0.15	0.98	-0.27	0.0	-4.41e-05	6.54e-06
1456	298	-0.16	0.38	-0.25	0.0	-4.44e-05	5.67e-06
1456	305	-0.31	0.37	-0.23	0.0	-3.16e-05	-5.85e-05
1456	307	-0.15	0.47	-0.24	0.0	-4.16e-05	5.43e-06
1456	310	-0.15	0.36	-0.24	0.0	-4.20e-05	5.35e-06
1457	4	0.25	0.51	-0.45	0.0	-8.52e-05	1.84e-04
1457	44	-1.77	0.57	-0.37	0.0	-3.30e-05	-5.74e-04
1457	68	-0.18	1.25	-0.38	0.0	-6.18e-05	8.59e-06
1457	122	7.04	-2.47	-0.34	0.0	9.70e-04	8.36e-06
1457	123	-7.29	3.04	-0.15	0.0	-1.05e-03	1.36e-06
1457	129	0.67	9.00	-0.21	0.0	4.44e-04	3.37e-04
1457	154	7.93	-2.83	-0.35	0.0	1.10e-03	8.18e-06
1457	155	-8.18	3.41	-0.14	0.0	-1.18e-03	1.54e-06
1457	161	0.77	10.16	-0.21	0.0	5.05e-04	3.80e-04
1457	186	7.81	-2.94	-0.35	0.0	1.08e-03	3.50e-06
1457	187	-8.06	3.51	-0.14	0.0	-1.16e-03	6.22e-06
1457	193	0.73	10.54	-0.21	0.0	5.00e-04	3.87e-04
1457	218	9.10	-3.59	-0.37	0.0	1.26e-03	0.0
1457	219	-9.35	4.16	-0.12	0.0	-1.34e-03	1.01e-05
1457	225	0.86	12.64	-0.20	0.0	5.93e-04	4.61e-04
1457	244	0.16	0.36	-0.31	0.0	-5.89e-05	1.23e-04
1457	264	-1.19	0.39	-0.26	0.0	-2.41e-05	-3.82e-04
1457	276	-0.13	0.85	-0.27	0.0	-4.33e-05	6.04e-06
1457	298	-0.13	0.30	-0.26	0.0	-4.36e-05	5.14e-06
1457	305	-0.33	0.30	-0.24	0.0	-3.69e-05	-7.27e-05
1457	307	-0.12	0.39	-0.24	0.0	-4.08e-05	4.94e-06
1457	310	-0.12	0.29	-0.24	0.0	-4.12e-05	4.86e-06
1458	4	0.18	0.65	-0.47	0.0	-1.51e-04	1.51e-04
1458	44	-1.72	0.69	-0.39	0.0	1.86e-04	-4.57e-04
1458	68	-0.22	1.45	-0.39	0.0	-6.17e-05	9.90e-06
1458	122	7.57	-2.70	-0.36	0.0	9.35e-04	-2.18e-05
1458	123	-7.86	3.42	-0.15	0.0	-1.02e-03	3.29e-05
1458	129	0.71	10.09	-0.22	0.0	4.28e-04	3.55e-04
1458	154	8.53	-3.11	-0.37	0.0	1.06e-03	-2.58e-05
1458	155	-8.81	3.83	-0.14	0.0	-1.14e-03	3.70e-05
1458	161	0.81	11.39	-0.22	0.0	4.86e-04	4.00e-04
1458	186	8.39	-3.23	-0.37	0.0	1.04e-03	-3.02e-05
1458	187	-8.68	3.94	-0.14	0.0	-1.12e-03	4.14e-05
1458	193	0.78	11.81	-0.22	0.0	4.82e-04	4.08e-04
1458	218	9.79	-3.95	-0.39	0.0	1.21e-03	-3.99e-05
1458	219	-10.07	4.67	-0.12	0.0	-1.29e-03	5.11e-05
1458	225	0.92	14.16	-0.21	0.0	5.71e-04	4.86e-04
1458	244	0.11	0.45	-0.33	0.0	-1.03e-04	1.01e-04
1458	264	-1.15	0.48	-0.27	0.0	1.22e-04	-3.05e-04
1458	276	-0.15	0.99	-0.28	0.0	-4.32e-05	6.94e-06
1458	298	-0.15	0.38	-0.27	0.0	-4.36e-05	5.91e-06
1458	305	-0.34	0.37	-0.25	0.0	-7.76e-06	-5.66e-05
1458	307	-0.14	0.47	-0.25	0.0	-4.08e-05	5.68e-06
1458	310	-0.14	0.36	-0.26	0.0	-4.12e-05	5.58e-06
1459	44	-2.07	0.57	-0.39	0.0	2.63e-05	-4.77e-04
1459	68	-0.18	1.25	-0.38	0.0	-6.08e-05	9.18e-06
1459	76	-0.22	0.31	-0.47	0.0	-7.56e-05	9.60e-06
1459	124	-7.35	-1.81	-0.26	0.0	-1.15e-03	-1.46e-04
1459	129	3.05	9.00	-0.11	0.0	4.54e-04	3.39e-04
1459	130	0.65	-7.17	-0.44	0.0	7.15e-05	-1.65e-04
1459	156	-8.25	-2.09	-0.26	0.0	-1.29e-03	-1.65e-04
1459	161	3.44	10.16	-0.09	0.0	5.16e-04	3.82e-04
1459	162	0.74	-8.16	-0.46	0.0	8.43e-05	-1.88e-04
1459	188	-8.12	-2.20	-0.27	0.0	-1.27e-03	-1.65e-04
1459	193	3.41	10.54	-0.08	0.0	5.13e-04	3.89e-04
1459	194	0.70	-8.50	-0.47	0.0	7.67e-05	-1.97e-04
1459	220	-9.43	-2.72	-0.27	0.0	-1.47e-03	-1.97e-04
1459	225	4.02	12.64	-0.04	0.0	6.09e-04	4.64e-04
1459	226	0.82	-10.31	-0.51	0.0	9.23e-05	-2.41e-04
1459	264	-1.38	0.39	-0.28	0.0	1.55e-05	-3.18e-04
1459	276	-0.13	0.85	-0.27	0.0	-4.26e-05	6.45e-06
1459	280	-0.16	0.22	-0.33	0.0	-5.24e-05	6.73e-06
1459	298	-0.13	0.30	-0.27	0.0	-4.30e-05	5.47e-06
1459	305	-0.37	0.30	-0.26	0.0	-2.86e-05	-5.96e-05
1459	307	-0.12	0.39	-0.25	0.0	-4.02e-05	5.27e-06
1459	310	-0.12	0.29	-0.26	0.0	-4.07e-05	5.17e-06
1460	44	-1.95	0.69	-0.41	0.0	3.33e-04	-3.83e-04
1460	68	-0.21	1.46	-0.40	0.0	-6.06e-05	1.01e-05
1460	76	-0.26	0.42	-0.50	0.0	-7.55e-05	1.06e-05

1460	124	-7.90	-2.00	-0.27	0.0	-1.09e-03	-1.26e-04
1460	129	3.27	10.09	-0.11	0.0	4.30e-04	3.55e-04
1460	130	0.69	-7.97	-0.46	0.0	6.47e-05	-1.84e-04
1460	156	-8.87	-2.31	-0.28	0.0	-1.22e-03	-1.43e-04
1460	161	3.69	11.39	-0.09	0.0	4.89e-04	4.00e-04
1460	162	0.78	-9.08	-0.49	0.0	7.67e-05	-2.10e-04
1460	188	-8.74	-2.44	-0.28	0.0	-1.21e-03	-1.43e-04
1460	193	3.66	11.81	-0.08	0.0	4.86e-04	4.08e-04
1460	194	0.74	-9.46	-0.50	0.0	6.93e-05	-2.20e-04
1460	220	-10.14	-3.02	-0.28	0.0	-1.40e-03	-1.71e-04
1460	225	4.32	14.16	-0.04	0.0	5.77e-04	4.87e-04
1460	226	0.86	-11.48	-0.54	0.0	8.37e-05	-2.68e-04
1460	264	-1.31	0.48	-0.29	0.0	2.20e-04	-2.55e-04
1460	276	-0.15	0.99	-0.28	0.0	-4.24e-05	7.11e-06
1460	280	-0.18	0.30	-0.35	0.0	-5.24e-05	7.39e-06
1460	298	-0.15	0.38	-0.28	0.0	-4.29e-05	6.03e-06
1460	305	-0.37	0.37	-0.27	0.0	1.23e-05	-4.66e-05
1460	307	-0.14	0.48	-0.27	0.0	-4.02e-05	5.80e-06
1460	310	-0.14	0.36	-0.27	0.0	-4.06e-05	5.69e-06
1461	44	-2.30	0.57	-0.41	0.0	6.43e-05	-4.11e-04
1461	68	-0.17	1.26	-0.37	0.0	-5.98e-05	9.40e-06
1461	76	-0.22	0.31	-0.50	0.0	-7.47e-05	9.82e-06
1461	124	-7.41	-1.81	-0.34	0.0	-1.13e-03	-1.41e-04
1461	129	3.17	9.00	0.09	0.0	4.66e-04	3.39e-04
1461	132	-3.41	-8.42	-0.62	0.0	-5.46e-04	-3.28e-04
1461	156	-8.31	-2.09	-0.35	0.0	-1.27e-03	-1.60e-04
1461	161	3.58	10.16	0.13	0.0	5.29e-04	3.82e-04
1461	164	-3.82	-9.58	-0.67	0.0	-6.09e-04	-3.72e-04
1461	188	-8.19	-2.20	-0.35	0.0	-1.25e-03	-1.60e-04
1461	193	3.56	10.53	0.15	0.0	5.27e-04	3.89e-04
1461	196	-3.80	-9.96	-0.68	0.0	-6.07e-04	-3.79e-04
1461	220	-9.51	-2.72	-0.37	0.0	-1.45e-03	-1.90e-04
1461	225	4.20	12.64	0.23	0.0	6.26e-04	4.64e-04
1461	228	-4.44	-12.06	-0.77	0.0	-7.07e-04	-4.54e-04
1461	264	-1.54	0.39	-0.29	0.0	4.08e-05	-2.74e-04
1461	276	-0.12	0.85	-0.26	0.0	-4.19e-05	6.59e-06
1461	280	-0.15	0.22	-0.35	0.0	-5.18e-05	6.87e-06
1461	298	-0.12	0.31	-0.28	0.0	-4.24e-05	5.60e-06
1461	305	-0.40	0.30	-0.27	0.0	-2.32e-05	-5.07e-05
1461	307	-0.12	0.39	-0.26	0.0	-3.97e-05	5.39e-06
1461	310	-0.12	0.29	-0.27	0.0	-4.02e-05	5.29e-06
1462	44	-2.14	0.69	-0.44	0.0	4.47e-04	-3.37e-04
1462	68	-0.20	1.46	-0.40	0.0	-5.96e-05	1.02e-05
1462	76	-0.26	0.43	-0.53	0.0	-7.45e-05	1.07e-05
1462	124	-7.95	-2.00	-0.36	0.0	-1.06e-03	-1.21e-04
1462	129	3.39	10.09	0.09	0.0	4.34e-04	3.54e-04
1462	132	-3.67	-9.37	-0.65	0.0	-5.14e-04	-3.43e-04
1462	156	-8.92	-2.31	-0.37	0.0	-1.19e-03	-1.37e-04
1462	161	3.84	11.39	0.13	0.0	4.94e-04	3.99e-04
1462	164	-4.11	-10.66	-0.70	0.0	-5.74e-04	-3.88e-04
1462	188	-8.79	-2.43	-0.37	0.0	-1.17e-03	-1.38e-04
1462	193	3.81	11.81	0.15	0.0	4.92e-04	4.07e-04
1462	196	-4.09	-11.09	-0.72	0.0	-5.72e-04	-3.96e-04
1462	220	-10.20	-3.02	-0.39	0.0	-1.36e-03	-1.65e-04
1462	225	4.50	14.16	0.24	0.0	5.85e-04	4.86e-04
1462	228	-4.78	-13.44	-0.81	0.0	-6.66e-04	-4.74e-04
1462	264	-1.43	0.48	-0.31	0.0	2.96e-04	-2.24e-04
1462	276	-0.14	0.99	-0.28	0.0	-4.18e-05	7.18e-06
1462	280	-0.18	0.30	-0.37	0.0	-5.17e-05	7.45e-06
1462	298	-0.15	0.38	-0.30	0.0	-4.24e-05	6.09e-06
1462	305	-0.39	0.38	-0.28	0.0	2.79e-05	-4.04e-05
1462	307	-0.14	0.48	-0.28	0.0	-3.96e-05	5.86e-06
1462	310	-0.14	0.36	-0.28	0.0	-4.01e-05	5.74e-06
1463	44	-2.52	0.57	-0.36	0.0	7.87e-05	-4.24e-04
1463	68	-0.17	1.26	-0.28	0.0	-5.90e-05	9.42e-06
1463	76	-0.21	0.31	-0.46	0.0	-7.39e-05	9.85e-06
1463	124	-7.47	-1.81	-0.45	0.0	-1.12e-03	-1.38e-04
1463	129	3.31	8.99	0.63	0.0	4.76e-04	3.39e-04
1463	132	-3.53	-8.42	-1.11	0.0	-5.55e-04	-3.28e-04
1463	156	-8.38	-2.09	-0.48	0.0	-1.26e-03	-1.57e-04
1463	161	3.73	10.15	0.75	0.0	5.41e-04	3.82e-04
1463	164	-3.96	-9.58	-1.23	0.0	-6.20e-04	-3.71e-04
1463	188	-8.26	-2.20	-0.49	0.0	-1.24e-03	-1.56e-04
1463	193	3.72	10.53	0.79	0.0	5.40e-04	3.89e-04
1463	196	-3.95	-9.95	-1.27	0.0	-6.19e-04	-3.78e-04

1463	220	-9.60	-2.72	-0.54	0.0	-1.44e-03	-1.86e-04
1463	225	4.39	12.63	1.00	0.0	6.42e-04	4.64e-04
1463	228	-4.62	-12.05	-1.48	0.0	-7.22e-04	-4.53e-04
1463	264	-1.69	0.39	-0.26	0.0	5.05e-05	-2.83e-04
1463	276	-0.12	0.85	-0.20	0.0	-4.14e-05	6.61e-06
1463	280	-0.15	0.22	-0.32	0.0	-5.13e-05	6.89e-06
1463	298	-0.12	0.31	-0.25	0.0	-4.20e-05	5.62e-06
1463	305	-0.43	0.30	-0.24	0.0	-2.09e-05	-5.24e-05
1463	307	-0.11	0.39	-0.23	0.0	-3.93e-05	5.41e-06
1463	310	-0.11	0.29	-0.24	0.0	-3.98e-05	5.30e-06
1464	44	-2.32	0.70	-0.39	0.0	5.31e-04	-3.59e-04
1464	68	-0.20	1.46	-0.30	0.0	-5.89e-05	1.03e-05
1464	76	-0.25	0.43	-0.50	0.0	-7.38e-05	1.07e-05
1464	124	-7.99	-1.99	-0.49	0.0	-1.04e-03	-1.20e-04
1464	129	3.53	10.08	0.69	0.0	4.39e-04	3.54e-04
1464	132	-3.80	-9.35	-1.20	0.0	-5.18e-04	-3.43e-04
1464	156	-8.97	-2.30	-0.52	0.0	-1.16e-03	-1.36e-04
1464	161	3.99	11.38	0.81	0.0	4.99e-04	3.99e-04
1464	164	-4.26	-10.65	-1.33	0.0	-5.78e-04	-3.88e-04
1464	188	-8.84	-2.43	-0.53	0.0	-1.15e-03	-1.36e-04
1464	193	3.98	11.80	0.85	0.0	4.98e-04	4.07e-04
1464	196	-4.24	-11.07	-1.37	0.0	-5.78e-04	-3.95e-04
1464	220	-10.27	-3.01	-0.59	0.0	-1.33e-03	-1.63e-04
1464	225	4.70	14.14	1.08	0.0	5.94e-04	4.85e-04
1464	228	-4.97	-13.41	-1.60	0.0	-6.73e-04	-4.74e-04
1464	264	-1.56	0.48	-0.28	0.0	3.52e-04	-2.39e-04
1464	276	-0.14	0.99	-0.22	0.0	-4.13e-05	7.19e-06
1464	280	-0.17	0.31	-0.35	0.0	-5.12e-05	7.46e-06
1464	298	-0.14	0.39	-0.27	0.0	-4.19e-05	6.10e-06
1464	305	-0.42	0.38	-0.26	0.0	3.95e-05	-4.34e-05
1464	307	-0.13	0.48	-0.24	0.0	-3.92e-05	5.87e-06
1464	310	-0.13	0.36	-0.26	0.0	-3.97e-05	5.75e-06
1465	44	-1.21	0.80	-0.32	0.0	-1.22e-04	-1.47e-04
1465	52	-0.31	1.38	-0.42	0.0	-7.52e-05	9.01e-06
1465	68	-0.26	1.64	-0.38	0.0	-6.29e-05	7.56e-06
1465	121	7.30	3.78	-0.58	0.0	1.07e-03	1.01e-04
1465	123	-8.37	3.05	0.01	0.0	-1.06e-03	7.01e-05
1465	129	0.76	11.17	-0.49	0.0	4.20e-04	3.49e-04
1465	153	8.23	4.23	-0.62	0.0	1.21e-03	1.14e-04
1465	155	-9.39	3.40	0.04	0.0	-1.18e-03	7.89e-05
1465	161	0.87	12.60	-0.53	0.0	4.77e-04	3.93e-04
1465	185	8.09	4.36	-0.62	0.0	1.19e-03	1.15e-04
1465	187	-9.24	3.53	0.03	0.0	-1.16e-03	8.26e-05
1465	193	0.85	13.07	-0.53	0.0	4.69e-04	4.00e-04
1465	217	9.43	5.15	-0.68	0.0	1.39e-03	1.36e-04
1465	219	-10.72	4.18	0.07	0.0	-1.34e-03	9.92e-05
1465	225	1.01	15.66	-0.59	0.0	5.55e-04	4.77e-04
1465	264	-0.82	0.56	-0.23	0.0	-8.31e-05	-9.80e-05
1465	268	-0.21	0.94	-0.30	0.0	-5.22e-05	6.29e-06
1465	276	-0.18	1.12	-0.27	0.0	-4.40e-05	5.32e-06
1465	298	-0.18	0.45	-0.24	0.0	-4.44e-05	5.04e-06
1465	305	-0.30	0.44	-0.22	0.0	-4.94e-05	-1.60e-05
1465	307	-0.17	0.55	-0.23	0.0	-4.15e-05	4.72e-06
1465	310	-0.17	0.42	-0.23	0.0	-4.20e-05	4.72e-06
1466	4	0.03	0.78	-0.47	0.0	-1.28e-04	9.55e-05
1466	44	-1.38	0.80	-0.37	0.0	1.06e-04	-2.69e-04
1466	68	-0.25	1.64	-0.41	0.0	-6.25e-05	1.07e-05
1466	121	7.30	3.78	-0.43	0.0	1.05e-03	1.08e-04
1466	123	-8.38	3.04	-0.11	0.0	-1.03e-03	7.44e-05
1466	129	0.76	11.15	-0.36	0.0	4.19e-04	3.65e-04
1466	153	8.22	4.23	-0.46	0.0	1.19e-03	1.21e-04
1466	155	-9.40	3.39	-0.09	0.0	-1.15e-03	8.36e-05
1466	161	0.87	12.58	-0.37	0.0	4.76e-04	4.11e-04
1466	185	8.08	4.36	-0.45	0.0	1.17e-03	1.22e-04
1466	187	-9.26	3.52	-0.09	0.0	-1.13e-03	8.78e-05
1466	193	0.84	13.05	-0.37	0.0	4.70e-04	4.19e-04
1466	217	9.42	5.15	-0.49	0.0	1.36e-03	1.45e-04
1466	219	-10.74	4.17	-0.07	0.0	-1.31e-03	1.05e-04
1466	225	1.00	15.63	-0.39	0.0	5.58e-04	5.00e-04
1466	244	9.90e-03	0.54	-0.33	0.0	-8.76e-05	6.40e-05
1466	264	-0.93	0.56	-0.27	0.0	6.87e-05	-1.79e-04
1466	276	-0.18	1.12	-0.29	0.0	-4.37e-05	7.50e-06
1466	298	-0.18	0.45	-0.27	0.0	-4.41e-05	6.56e-06
1466	305	-0.32	0.44	-0.25	0.0	-1.88e-05	-3.10e-05
1466	307	-0.17	0.55	-0.26	0.0	-4.13e-05	6.27e-06

1466	310	-0.17	0.43	-0.25	0.0	-4.17e-05	6.18e-06
1467	44	-1.28	0.90	-0.35	0.0	-2.30e-04	-3.35e-05
1467	52	-0.34	1.54	-0.46	0.0	-1.24e-04	9.10e-06
1467	68	-0.29	1.81	-0.42	0.0	-1.08e-04	7.44e-06
1467	121	7.78	4.09	-0.60	0.0	3.96e-04	6.73e-05
1467	123	-8.94	3.31	-0.01	0.0	-5.76e-04	1.12e-04
1467	129	0.80	12.04	-0.52	0.0	-4.39e-06	3.63e-04
1467	153	8.77	4.57	-0.64	0.0	4.54e-04	7.56e-05
1467	155	-10.03	3.69	0.01	0.0	-6.40e-04	1.26e-04
1467	161	0.92	13.58	-0.56	0.0	3.22e-06	4.10e-04
1467	185	8.62	4.71	-0.64	0.0	4.44e-04	7.93e-05
1467	187	-9.87	3.83	7.11e-03	0.0	-6.29e-04	1.27e-04
1467	193	0.89	14.08	-0.56	0.0	1.63e-06	4.16e-04
1467	217	10.05	5.56	-0.70	0.0	5.27e-04	9.54e-05
1467	219	-11.44	4.54	0.05	0.0	-7.21e-04	1.51e-04
1467	225	1.07	16.87	-0.63	0.0	1.30e-05	4.97e-04
1467	264	-0.86	0.63	-0.25	0.0	-1.57e-04	-2.20e-05
1467	268	-0.24	1.05	-0.32	0.0	-8.62e-05	6.34e-06
1467	276	-0.20	1.23	-0.30	0.0	-7.55e-05	5.24e-06
1467	298	-0.20	0.51	-0.26	0.0	-7.07e-05	5.16e-06
1467	305	-0.32	0.50	-0.24	0.0	-8.34e-05	0.0
1467	307	-0.19	0.62	-0.25	0.0	-6.70e-05	4.78e-06
1467	310	-0.19	0.48	-0.25	0.0	-6.72e-05	4.81e-06
1468	4	-0.06	0.89	-0.52	0.0	-2.62e-06	3.33e-05
1468	44	-1.27	0.90	-0.42	0.0	-4.96e-04	-5.89e-05
1468	68	-0.28	1.81	-0.46	0.0	-1.03e-04	1.12e-05
1468	121	7.76	4.09	-0.47	0.0	4.38e-04	7.12e-05
1468	123	-8.94	3.31	-0.13	0.0	-6.19e-04	1.21e-04
1468	129	0.80	12.05	-0.39	0.0	2.81e-06	3.79e-04
1468	153	8.75	4.57	-0.49	0.0	5.00e-04	7.99e-05
1468	155	-10.02	3.69	-0.12	0.0	-6.88e-04	1.36e-04
1468	161	0.92	13.59	-0.40	0.0	1.09e-05	4.27e-04
1468	185	8.60	4.71	-0.49	0.0	4.89e-04	8.38e-05
1468	187	-9.87	3.83	-0.12	0.0	-6.77e-04	1.38e-04
1468	193	0.88	14.09	-0.40	0.0	8.34e-06	4.35e-04
1468	217	10.02	5.57	-0.52	0.0	5.79e-04	1.01e-04
1468	219	-11.45	4.54	-0.09	0.0	-7.76e-04	1.63e-04
1468	225	1.05	16.88	-0.43	0.0	1.98e-05	5.19e-04
1468	244	-0.05	0.61	-0.37	0.0	-5.34e-06	2.26e-05
1468	264	-0.85	0.63	-0.30	0.0	-3.34e-04	-3.89e-05
1468	276	-0.20	1.23	-0.32	0.0	-7.26e-05	7.86e-06
1468	298	-0.20	0.51	-0.30	0.0	-6.81e-05	6.96e-06
1468	305	-0.32	0.50	-0.28	0.0	-1.17e-04	-2.74e-06
1468	307	-0.19	0.62	-0.29	0.0	-6.46e-05	6.62e-06
1468	310	-0.19	0.48	-0.28	0.0	-6.48e-05	6.52e-06
1469	4	0.08	0.78	-0.50	0.0	-2.02e-04	9.25e-05
1469	44	-1.54	0.81	-0.41	0.0	3.57e-04	-2.59e-04
1469	68	-0.25	1.65	-0.42	0.0	-6.14e-05	1.10e-05
1469	122	7.29	-2.18	-0.38	0.0	9.08e-04	-6.12e-05
1469	124	-8.40	-2.93	-0.20	0.0	-1.09e-03	-9.80e-05
1469	129	3.36	11.15	-0.24	0.0	4.15e-04	3.67e-04
1469	154	8.21	-2.54	-0.40	0.0	1.03e-03	-7.03e-05
1469	156	-9.43	-3.38	-0.19	0.0	-1.22e-03	-1.11e-04
1469	161	3.80	12.58	-0.23	0.0	4.72e-04	4.14e-04
1469	186	8.07	-2.67	-0.40	0.0	1.01e-03	-7.47e-05
1469	188	-9.28	-3.51	-0.19	0.0	-1.21e-03	-1.12e-04
1469	193	3.76	13.05	-0.23	0.0	4.68e-04	4.22e-04
1469	218	9.40	-3.32	-0.42	0.0	1.17e-03	-9.21e-05
1469	220	-10.77	-4.30	-0.18	0.0	-1.40e-03	-1.36e-04
1469	225	4.42	15.64	-0.22	0.0	5.55e-04	5.04e-04
1469	244	0.05	0.54	-0.35	0.0	-1.37e-04	6.21e-05
1469	264	-1.04	0.56	-0.29	0.0	2.36e-04	-1.72e-04
1469	276	-0.17	1.12	-0.30	0.0	-4.30e-05	7.73e-06
1469	298	-0.17	0.45	-0.29	0.0	-4.35e-05	6.62e-06
1469	305	-0.34	0.44	-0.27	0.0	1.51e-05	-2.96e-05
1469	307	-0.16	0.55	-0.27	0.0	-4.07e-05	6.35e-06
1469	310	-0.16	0.43	-0.27	0.0	-4.11e-05	6.23e-06
1470	4	-0.05	0.89	-0.56	0.0	8.82e-05	3.40e-05
1470	44	-1.25	0.90	-0.47	0.0	-7.85e-04	-5.76e-05
1470	68	-0.28	1.81	-0.47	0.0	-1.00e-04	1.23e-05
1470	122	7.73	-2.34	-0.42	0.0	4.99e-04	-1.15e-04
1470	124	-8.93	-3.13	-0.23	0.0	-6.87e-04	-5.24e-05
1470	129	3.56	12.05	-0.27	0.0	2.14e-04	3.79e-04
1470	154	8.71	-2.72	-0.43	0.0	5.69e-04	-1.30e-04
1470	156	-10.02	-3.61	-0.22	0.0	-7.64e-04	-6.05e-05

1470	161	4.03	13.59	-0.26	0.0	2.49e-04	4.27e-04
1470	186	8.56	-2.87	-0.43	0.0	5.57e-04	-1.32e-04
1470	188	-9.87	-3.75	-0.22	0.0	-7.53e-04	-6.44e-05
1470	193	3.98	14.09	-0.26	0.0	2.45e-04	4.36e-04
1470	218	9.97	-3.57	-0.45	0.0	6.57e-04	-1.59e-04
1470	220	-11.45	-4.60	-0.21	0.0	-8.65e-04	-8.03e-05
1470	225	4.69	16.89	-0.25	0.0	2.98e-04	5.20e-04
1470	244	-0.04	0.61	-0.39	0.0	5.53e-05	2.31e-05
1470	264	-0.84	0.63	-0.33	0.0	-5.27e-04	-3.80e-05
1470	276	-0.19	1.23	-0.34	0.0	-7.04e-05	8.62e-06
1470	298	-0.20	0.51	-0.32	0.0	-6.62e-05	7.46e-06
1470	305	-0.31	0.50	-0.30	0.0	-1.54e-04	-2.18e-06
1470	307	-0.18	0.62	-0.30	0.0	-6.28e-05	7.14e-06
1470	310	-0.18	0.48	-0.31	0.0	-6.30e-05	7.00e-06
1471	44	-1.67	0.81	-0.44	0.0	5.68e-04	-2.16e-04
1471	68	-0.24	1.65	-0.43	0.0	-6.05e-05	1.11e-05
1471	76	-0.30	0.54	-0.53	0.0	-7.54e-05	1.15e-05
1471	124	-8.43	-2.94	-0.29	0.0	-1.05e-03	-9.69e-05
1471	129	3.47	11.18	-0.12	0.0	4.12e-04	3.66e-04
1471	130	0.72	-8.76	-0.49	0.0	5.97e-05	-2.06e-04
1471	156	-9.45	-3.38	-0.29	0.0	-1.18e-03	-1.10e-04
1471	161	3.93	12.61	-0.10	0.0	4.69e-04	4.13e-04
1471	162	0.82	-9.99	-0.52	0.0	7.11e-05	-2.35e-04
1471	188	-9.31	-3.51	-0.30	0.0	-1.16e-03	-1.11e-04
1471	193	3.89	13.07	-0.09	0.0	4.66e-04	4.21e-04
1471	194	0.77	-10.40	-0.53	0.0	6.38e-05	-2.45e-04
1471	220	-10.81	-4.31	-0.30	0.0	-1.34e-03	-1.34e-04
1471	225	4.59	15.67	-0.05	0.0	5.54e-04	5.03e-04
1471	226	0.90	-12.64	-0.58	0.0	7.74e-05	-2.98e-04
1471	264	-1.12	0.56	-0.31	0.0	3.77e-04	-1.44e-04
1471	276	-0.17	1.12	-0.30	0.0	-4.24e-05	7.74e-06
1471	280	-0.21	0.38	-0.37	0.0	-5.23e-05	8.05e-06
1471	298	-0.17	0.46	-0.30	0.0	-4.29e-05	6.59e-06
1471	305	-0.35	0.45	-0.29	0.0	4.37e-05	-2.40e-05
1471	307	-0.16	0.56	-0.29	0.0	-4.01e-05	6.33e-06
1471	310	-0.16	0.43	-0.29	0.0	-4.06e-05	6.20e-06
1472	44	-1.24	0.90	-0.50	0.0	-1.03e-03	-4.56e-05
1472	68	-0.27	1.81	-0.49	0.0	-9.79e-05	1.24e-05
1472	76	-0.34	0.61	-0.60	0.0	-1.15e-04	1.30e-05
1472	124	-8.93	-3.13	-0.33	0.0	-7.59e-04	-4.81e-05
1472	129	3.67	12.05	-0.14	0.0	2.55e-04	3.79e-04
1472	130	0.74	-9.42	-0.54	0.0	1.36e-05	-2.27e-04
1472	156	-10.02	-3.61	-0.33	0.0	-8.45e-04	-5.56e-05
1472	161	4.15	13.59	-0.12	0.0	2.95e-04	4.27e-04
1472	162	0.85	-10.74	-0.57	0.0	2.23e-05	-2.58e-04
1472	188	-9.87	-3.75	-0.34	0.0	-8.32e-04	-5.96e-05
1472	193	4.12	14.10	-0.11	0.0	2.92e-04	4.36e-04
1472	194	0.80	-11.18	-0.58	0.0	1.73e-05	-2.69e-04
1472	220	-11.45	-4.61	-0.34	0.0	-9.58e-04	-7.47e-05
1472	225	4.86	16.89	-0.07	0.0	3.53e-04	5.20e-04
1472	226	0.94	-13.59	-0.63	0.0	2.81e-05	-3.27e-04
1472	264	-0.83	0.63	-0.36	0.0	-6.93e-04	-3.00e-05
1472	276	-0.19	1.23	-0.34	0.0	-6.87e-05	8.68e-06
1472	280	-0.23	0.43	-0.42	0.0	-8.00e-05	9.06e-06
1472	298	-0.19	0.51	-0.34	0.0	-6.48e-05	7.45e-06
1472	305	-0.31	0.50	-0.32	0.0	-1.86e-04	0.0
1472	307	-0.18	0.62	-0.32	0.0	-6.14e-05	7.14e-06
1472	310	-0.18	0.48	-0.33	0.0	-6.17e-05	6.98e-06
1473	44	-1.78	0.82	-0.48	0.0	7.38e-04	-1.90e-04
1473	68	-0.23	1.67	-0.44	0.0	-5.95e-05	1.11e-05
1473	76	-0.29	0.55	-0.58	0.0	-7.45e-05	1.15e-05
1473	124	-8.45	-2.94	-0.38	0.0	-1.01e-03	-9.64e-05
1473	129	3.60	11.22	0.07	0.0	4.11e-04	3.66e-04
1473	132	-3.91	-10.35	-0.69	0.0	-4.91e-04	-3.53e-04
1473	156	-9.48	-3.39	-0.40	0.0	-1.13e-03	-1.10e-04
1473	161	4.07	12.66	0.13	0.0	4.68e-04	4.12e-04
1473	164	-4.38	-11.78	-0.75	0.0	-5.48e-04	-4.00e-04
1473	188	-9.35	-3.52	-0.40	0.0	-1.11e-03	-1.10e-04
1473	193	4.05	13.13	0.14	0.0	4.66e-04	4.20e-04
1473	196	-4.36	-12.25	-0.76	0.0	-5.46e-04	-4.08e-04
1473	220	-10.85	-4.32	-0.42	0.0	-1.29e-03	-1.33e-04
1473	225	4.78	15.73	0.23	0.0	5.56e-04	5.02e-04
1473	228	-5.09	-14.86	-0.85	0.0	-6.36e-04	-4.89e-04
1473	264	-1.19	0.57	-0.34	0.0	4.90e-04	-1.26e-04
1473	276	-0.16	1.13	-0.31	0.0	-4.17e-05	7.74e-06

1473	280	-0.20	0.39	-0.41	0.0	-5.17e-05	8.04e-06
1473	298	-0.17	0.47	-0.33	0.0	-4.23e-05	6.58e-06
1473	305	-0.36	0.45	-0.31	0.0	6.68e-05	-2.05e-05
1473	307	-0.16	0.57	-0.30	0.0	-3.96e-05	6.33e-06
1473	310	-0.16	0.44	-0.31	0.0	-4.01e-05	6.19e-06
1474	44	-1.22	0.90	-0.56	0.0	-1.24e-03	-3.10e-05
1474	68	-0.26	1.81	-0.51	0.0	-9.59e-05	1.23e-05
1474	76	-0.33	0.61	-0.67	0.0	-1.13e-04	1.29e-05
1474	124	-8.93	-3.13	-0.43	0.0	-8.33e-04	-4.68e-05
1474	129	3.79	12.06	0.03	0.0	2.99e-04	3.79e-04
1474	132	-4.15	-11.09	-0.75	0.0	-4.20e-04	-3.65e-04
1474	156	-10.02	-3.61	-0.44	0.0	-9.29e-04	-5.41e-05
1474	161	4.29	13.60	0.09	0.0	3.43e-04	4.27e-04
1474	164	-4.64	-12.63	-0.80	0.0	-4.65e-04	-4.13e-04
1474	188	-9.87	-3.75	-0.45	0.0	-9.15e-04	-5.81e-05
1474	193	4.27	14.10	0.10	0.0	3.41e-04	4.36e-04
1474	196	-4.62	-13.14	-0.82	0.0	-4.62e-04	-4.22e-04
1474	220	-11.46	-4.61	-0.47	0.0	-1.05e-03	-7.30e-05
1474	225	5.04	16.90	0.20	0.0	4.11e-04	5.20e-04
1474	228	-5.39	-15.93	-0.91	0.0	-5.32e-04	-5.06e-04
1474	264	-0.82	0.63	-0.39	0.0	-8.33e-04	-2.03e-05
1474	276	-0.18	1.23	-0.37	0.0	-6.73e-05	8.62e-06
1474	280	-0.23	0.43	-0.47	0.0	-7.87e-05	8.97e-06
1474	298	-0.19	0.51	-0.37	0.0	-6.36e-05	7.37e-06
1474	305	-0.30	0.50	-0.35	0.0	-2.13e-04	1.29e-06
1474	307	-0.18	0.62	-0.35	0.0	-6.02e-05	7.07e-06
1474	310	-0.18	0.48	-0.36	0.0	-6.06e-05	6.91e-06
1475	44	-1.88	0.87	-0.45	0.0	8.72e-04	-2.08e-04
1475	68	-0.23	1.72	-0.36	0.0	-5.88e-05	1.11e-05
1475	76	-0.29	0.60	-0.56	0.0	-7.37e-05	1.15e-05
1475	124	-8.48	-2.94	-0.53	0.0	-9.78e-04	-9.63e-05
1475	129	3.73	11.32	0.69	0.0	4.13e-04	3.65e-04
1475	132	-4.04	-10.39	-1.28	0.0	-4.92e-04	-3.53e-04
1475	156	-9.51	-3.39	-0.56	0.0	-1.10e-03	-1.09e-04
1475	161	4.22	12.77	0.82	0.0	4.70e-04	4.12e-04
1475	164	-4.53	-11.83	-1.41	0.0	-5.49e-04	-4.00e-04
1475	188	-9.38	-3.52	-0.58	0.0	-1.08e-03	-1.10e-04
1475	193	4.21	13.24	0.86	0.0	4.69e-04	4.20e-04
1475	196	-4.52	-12.31	-1.45	0.0	-5.48e-04	-4.08e-04
1475	220	-10.89	-4.33	-0.63	0.0	-1.25e-03	-1.33e-04
1475	225	4.98	15.86	1.10	0.0	5.60e-04	5.01e-04
1475	228	-5.28	-14.93	-1.69	0.0	-6.39e-04	-4.89e-04
1475	264	-1.26	0.60	-0.32	0.0	5.79e-04	-1.39e-04
1475	276	-0.16	1.17	-0.25	0.0	-4.12e-05	7.74e-06
1475	280	-0.20	0.42	-0.39	0.0	-5.11e-05	8.04e-06
1475	298	-0.16	0.50	-0.31	0.0	-4.19e-05	6.59e-06
1475	305	-0.37	0.48	-0.29	0.0	8.49e-05	-2.29e-05
1475	307	-0.15	0.59	-0.28	0.0	-3.92e-05	6.33e-06
1475	310	-0.15	0.47	-0.29	0.0	-3.97e-05	6.19e-06
1476	44	-1.21	0.90	-0.55	-8.16e-05	-1.41e-03	3.50e-05
1476	68	-0.26	1.81	-0.46	-1.73e-04	-9.42e-05	1.19e-05
1476	76	-0.32	0.61	-0.68	-5.27e-05	-1.11e-04	1.24e-05
1476	124	-8.93	-3.14	-0.67	3.01e-04	-8.94e-04	-4.10e-05
1476	129	3.93	12.06	0.65	-1.15e-03	3.35e-04	3.75e-04
1476	132	-4.28	-11.09	-1.36	1.06e-03	-4.55e-04	-3.61e-04
1476	156	-10.02	-3.62	-0.72	3.47e-04	-9.97e-04	-4.76e-05
1476	161	4.44	13.60	0.78	-1.30e-03	3.85e-04	4.22e-04
1476	164	-4.79	-12.64	-1.50	1.21e-03	-5.04e-04	-4.09e-04
1476	188	-9.88	-3.76	-0.73	3.60e-04	-9.82e-04	-5.16e-05
1476	193	4.43	14.11	0.83	-1.34e-03	3.83e-04	4.31e-04
1476	196	-4.78	-13.14	-1.54	1.26e-03	-5.02e-04	-4.17e-04
1476	220	-11.47	-4.62	-0.80	4.42e-04	-1.13e-03	-6.54e-05
1476	225	5.24	16.90	1.07	-1.61e-03	4.60e-04	5.14e-04
1476	228	-5.59	-15.93	-1.78	1.53e-03	-5.80e-04	-5.01e-04
1476	264	-0.81	0.63	-0.39	-5.79e-05	-9.47e-04	2.37e-05
1476	276	-0.18	1.23	-0.33	-1.19e-04	-6.61e-05	8.31e-06
1476	280	-0.22	0.43	-0.48	-3.86e-05	-7.76e-05	8.66e-06
1476	298	-0.18	0.51	-0.38	-4.34e-05	-6.27e-05	7.10e-06
1476	305	-0.30	0.50	-0.35	-4.31e-05	-2.35e-04	9.90e-06
1476	307	-0.17	0.62	-0.34	-5.53e-05	-5.93e-05	6.81e-06
1476	310	-0.17	0.48	-0.36	-4.26e-05	-5.97e-05	6.66e-06
1477	44	-0.75	0.24	-0.94	0.0	-3.49e-04	1.05e-04
1477	52	-0.07	0.53	-1.10	0.0	-6.64e-05	6.75e-06
1477	68	-0.06	0.73	-0.95	0.0	-5.52e-05	5.95e-06
1477	116	-5.79	-3.06	-0.47	0.0	-1.61e-03	-2.01e-04

1477	129	2.86	6.20	-0.81	0.0	7.69e-04	2.34e-04
1477	148	-6.50	-3.48	-0.45	0.0	-1.81e-03	-2.26e-04
1477	161	3.23	7.01	-0.84	0.0	8.71e-04	2.64e-04
1477	180	-6.42	-3.60	-0.45	0.0	-1.79e-03	-2.25e-04
1477	193	3.24	7.27	-0.85	0.0	8.75e-04	2.68e-04
1477	212	-7.49	-4.35	-0.42	0.0	-2.08e-03	-2.66e-04
1477	225	3.83	8.74	-0.91	0.0	1.04e-03	3.20e-04
1477	264	-0.50	0.16	-0.65	0.0	-2.34e-04	7.01e-05
1477	268	-0.05	0.36	-0.76	0.0	-4.62e-05	4.68e-06
1477	276	-0.04	0.49	-0.67	0.0	-3.87e-05	4.15e-06
1477	298	-0.05	0.10	-0.62	0.0	-4.00e-05	3.62e-06
1477	305	-0.13	0.11	-0.59	0.0	-7.64e-05	1.67e-05
1477	307	-0.04	0.17	-0.59	0.0	-3.73e-05	3.46e-06
1477	310	-0.04	0.10	-0.59	0.0	-3.79e-05	3.40e-06
1478	44	-0.74	0.25	-0.90	0.0	-3.30e-04	-8.70e-06
1478	68	-0.06	0.73	-0.90	0.0	-5.51e-05	5.43e-06
1478	76	-0.08	0.02	-1.05	0.0	-7.04e-05	5.79e-06
1478	116	-5.84	-3.05	-0.56	0.0	-1.58e-03	-2.02e-04
1478	129	2.92	6.20	-0.56	0.0	7.62e-04	2.35e-04
1478	138	0.76	-4.94	-0.58	0.0	1.66e-04	-3.50e-05
1478	148	-6.56	-3.47	-0.56	0.0	-1.77e-03	-2.28e-04
1478	161	3.30	7.01	-0.56	0.0	8.63e-04	2.65e-04
1478	170	0.86	-5.60	-0.58	0.0	1.90e-04	-4.02e-05
1478	180	-6.48	-3.60	-0.56	0.0	-1.75e-03	-2.27e-04
1478	193	3.31	7.27	-0.56	0.0	8.67e-04	2.69e-04
1478	202	0.82	-5.75	-0.58	0.0	1.79e-04	-4.10e-05
1478	212	-7.57	-4.34	-0.56	0.0	-2.05e-03	-2.68e-04
1478	225	3.92	8.74	-0.56	0.0	1.03e-03	3.22e-04
1478	234	0.95	-6.86	-0.59	0.0	2.10e-04	-4.95e-05
1478	264	-0.50	0.17	-0.63	0.0	-2.22e-04	-5.63e-06
1478	276	-0.04	0.49	-0.63	0.0	-3.86e-05	3.79e-06
1478	280	-0.05	0.02	-0.73	0.0	-4.88e-05	4.03e-06
1478	298	-0.04	0.11	-0.60	0.0	-4.00e-05	3.32e-06
1478	305	-0.13	0.11	-0.57	0.0	-7.39e-05	1.29e-06
1478	307	-0.04	0.18	-0.57	0.0	-3.73e-05	3.17e-06
1478	310	-0.04	0.10	-0.57	0.0	-3.79e-05	3.12e-06
1479	44	-0.93	0.26	-0.99	0.0	-2.62e-04	1.99e-04
1479	52	-0.11	0.56	-1.16	0.0	-6.61e-05	7.16e-06
1479	68	-0.09	0.77	-1.01	0.0	-5.50e-05	6.33e-06
1479	116	-6.62	-3.19	-0.47	0.0	-1.47e-03	-2.23e-04
1479	129	3.26	6.47	-0.89	0.0	7.02e-04	2.66e-04
1479	148	-7.44	-3.63	-0.46	0.0	-1.65e-03	-2.51e-04
1479	161	3.68	7.32	-0.93	0.0	7.95e-04	3.00e-04
1479	180	-7.34	-3.76	-0.45	0.0	-1.63e-03	-2.50e-04
1479	193	3.69	7.60	-0.94	0.0	7.99e-04	3.05e-04
1479	212	-8.58	-4.54	-0.41	0.0	-1.90e-03	-2.96e-04
1479	225	4.37	9.13	-1.01	0.0	9.51e-04	3.64e-04
1479	264	-0.62	0.18	-0.69	0.0	-1.77e-04	1.33e-04
1479	268	-0.08	0.38	-0.81	0.0	-4.59e-05	4.97e-06
1479	276	-0.06	0.52	-0.71	0.0	-3.85e-05	4.42e-06
1479	298	-0.07	0.11	-0.66	0.0	-3.98e-05	3.80e-06
1479	305	-0.17	0.12	-0.62	0.0	-6.48e-05	2.94e-05
1479	307	-0.06	0.19	-0.62	0.0	-3.71e-05	3.64e-06
1479	310	-0.06	0.11	-0.62	0.0	-3.77e-05	3.56e-06
1480	44	-0.91	0.28	-0.97	0.0	-2.54e-04	-3.08e-05
1480	68	-0.09	0.80	-0.97	0.0	-5.48e-05	5.49e-06
1480	76	-0.12	0.06	-1.13	0.0	-6.99e-05	5.68e-06
1480	116	-6.68	-3.18	-0.60	0.0	-1.47e-03	-2.54e-04
1480	129	3.33	6.50	-0.60	0.0	7.07e-04	2.81e-04
1480	138	0.85	-5.16	-0.62	0.0	1.50e-04	-3.90e-05
1480	148	-7.50	-3.62	-0.60	0.0	-1.65e-03	-2.86e-04
1480	161	3.76	7.35	-0.60	0.0	8.02e-04	3.17e-04
1480	170	0.96	-5.85	-0.63	0.0	1.71e-04	-4.47e-05
1480	180	-7.41	-3.75	-0.60	0.0	-1.63e-03	-2.85e-04
1480	193	3.77	7.63	-0.60	0.0	8.06e-04	3.23e-04
1480	202	0.91	-6.01	-0.63	0.0	1.60e-04	-4.59e-05
1480	212	-8.66	-4.53	-0.60	0.0	-1.90e-03	-3.37e-04
1480	225	4.47	9.17	-0.60	0.0	9.60e-04	3.85e-04
1480	234	1.06	-7.17	-0.63	0.0	1.89e-04	-5.54e-05
1480	264	-0.61	0.20	-0.68	0.0	-1.71e-04	-2.04e-05
1480	276	-0.06	0.54	-0.68	0.0	-3.84e-05	3.84e-06
1480	280	-0.08	0.04	-0.79	0.0	-4.84e-05	3.96e-06
1480	298	-0.07	0.13	-0.64	0.0	-3.97e-05	3.27e-06
1480	305	-0.17	0.14	-0.61	0.0	-6.36e-05	-1.70e-06
1480	307	-0.06	0.20	-0.61	0.0	-3.70e-05	3.14e-06

1480	310	-0.06	0.12	-0.61	0.0	-3.76e-05	3.06e-06
1481	44	-1.02	0.42	-1.08	0.0	-1.71e-04	1.02e-06
1481	52	-0.15	0.80	-1.27	0.0	-6.57e-05	7.56e-06
1481	68	-0.12	1.02	-1.11	0.0	-5.47e-05	6.72e-06
1481	116	-7.36	-3.75	-0.48	0.0	-1.31e-03	-2.85e-04
1481	129	3.61	7.83	-1.04	0.0	6.25e-04	3.14e-04
1481	148	-8.26	-4.28	-0.45	0.0	-1.47e-03	-3.21e-04
1481	161	4.08	8.85	-1.09	0.0	7.09e-04	3.54e-04
1481	180	-8.16	-4.44	-0.44	0.0	-1.45e-03	-3.19e-04
1481	193	4.09	9.18	-1.11	0.0	7.13e-04	3.60e-04
1481	212	-9.52	-5.37	-0.40	0.0	-1.69e-03	-3.77e-04
1481	225	4.84	11.02	-1.20	0.0	8.50e-04	4.30e-04
1481	264	-0.68	0.29	-0.76	0.0	-1.16e-04	0.0
1481	268	-0.10	0.54	-0.88	0.0	-4.57e-05	5.25e-06
1481	276	-0.08	0.69	-0.78	0.0	-3.83e-05	4.69e-06
1481	298	-0.09	0.21	-0.71	0.0	-3.95e-05	3.97e-06
1481	305	-0.20	0.21	-0.67	0.0	-5.24e-05	3.05e-06
1481	307	-0.08	0.29	-0.68	0.0	-3.69e-05	3.81e-06
1481	310	-0.08	0.20	-0.67	0.0	-3.75e-05	3.72e-06
1482	44	-1.02	0.42	-1.03	0.0	-1.69e-04	-2.61e-05
1482	68	-0.12	1.03	-1.03	0.0	-5.44e-05	6.62e-06
1482	76	-0.15	0.18	-1.20	0.0	-6.93e-05	6.78e-06
1482	116	-7.43	-3.75	-0.64	0.0	-1.32e-03	-2.78e-04
1482	129	3.69	7.83	-0.64	0.0	6.34e-04	3.10e-04
1482	138	0.93	-6.12	-0.66	0.0	1.27e-04	-4.41e-05
1482	148	-8.34	-4.27	-0.64	0.0	-1.48e-03	-3.13e-04
1482	161	4.16	8.85	-0.64	0.0	7.19e-04	3.50e-04
1482	170	1.04	-6.95	-0.67	0.0	1.46e-04	-5.05e-05
1482	180	-8.24	-4.43	-0.64	0.0	-1.46e-03	-3.12e-04
1482	193	4.18	9.18	-0.64	0.0	7.23e-04	3.56e-04
1482	202	0.99	-7.15	-0.67	0.0	1.36e-04	-5.19e-05
1482	212	-9.62	-5.37	-0.64	0.0	-1.70e-03	-3.68e-04
1482	225	4.96	11.02	-0.63	0.0	8.62e-04	4.25e-04
1482	234	1.15	-8.54	-0.67	0.0	1.61e-04	-6.27e-05
1482	264	-0.69	0.29	-0.72	0.0	-1.15e-04	-1.72e-05
1482	276	-0.08	0.69	-0.72	0.0	-3.81e-05	4.63e-06
1482	280	-0.11	0.13	-0.84	0.0	-4.80e-05	4.73e-06
1482	298	-0.09	0.22	-0.68	0.0	-3.93e-05	3.91e-06
1482	305	-0.20	0.22	-0.65	0.0	-5.20e-05	0.0
1482	307	-0.08	0.30	-0.65	0.0	-3.67e-05	3.76e-06
1482	310	-0.08	0.20	-0.65	0.0	-3.73e-05	3.66e-06
1483	44	-0.76	0.25	-0.89	0.0	-3.68e-04	-1.20e-04
1483	68	-0.06	0.74	-0.88	0.0	-5.54e-05	4.67e-06
1483	76	-0.08	0.03	-1.05	0.0	-7.06e-05	5.30e-06
1483	116	-5.89	-3.05	-0.69	0.0	-1.66e-03	-2.01e-04
1483	129	2.98	6.20	-0.32	0.0	8.05e-04	2.34e-04
1483	132	-3.06	-5.99	-0.81	0.0	-8.81e-04	-2.28e-04
1483	148	-6.62	-3.47	-0.71	0.0	-1.86e-03	-2.27e-04
1483	161	3.36	7.02	-0.28	0.0	9.12e-04	2.64e-04
1483	164	-3.44	-6.80	-0.84	0.0	-9.88e-04	-2.58e-04
1483	180	-6.54	-3.59	-0.71	0.0	-1.84e-03	-2.26e-04
1483	193	3.38	7.28	-0.27	0.0	9.16e-04	2.69e-04
1483	196	-3.46	-7.07	-0.85	0.0	-9.92e-04	-2.63e-04
1483	212	-7.64	-4.34	-0.74	0.0	-2.14e-03	-2.67e-04
1483	225	4.00	8.75	-0.21	0.0	1.09e-03	3.21e-04
1483	228	-4.08	-8.54	-0.91	0.0	-1.17e-03	-3.15e-04
1483	264	-0.51	0.17	-0.63	0.0	-2.47e-04	-7.97e-05
1483	276	-0.04	0.50	-0.61	0.0	-3.88e-05	3.27e-06
1483	280	-0.05	0.03	-0.73	0.0	-4.90e-05	3.69e-06
1483	298	-0.04	0.11	-0.60	0.0	-4.01e-05	3.01e-06
1483	305	-0.13	0.12	-0.56	0.0	-7.90e-05	-1.37e-05
1483	307	-0.04	0.18	-0.56	0.0	-3.74e-05	2.84e-06
1483	310	-0.04	0.11	-0.56	0.0	-3.80e-05	2.82e-06
1484	44	-0.95	0.31	-0.93	0.0	-2.70e-04	-2.60e-04
1484	68	-0.09	0.82	-0.90	0.0	-5.46e-05	4.48e-06
1484	76	-0.11	0.08	-1.09	0.0	-6.97e-05	4.72e-06
1484	116	-6.76	-3.16	-0.74	0.0	-1.51e-03	-2.81e-04
1484	129	3.40	6.50	-0.29	0.0	7.32e-04	2.93e-04
1484	132	-3.53	-6.23	-0.88	0.0	-8.07e-04	-2.88e-04
1484	148	-7.59	-3.59	-0.76	0.0	-1.69e-03	-3.17e-04
1484	161	3.84	7.35	-0.25	0.0	8.29e-04	3.31e-04
1484	164	-3.97	-7.07	-0.92	0.0	-9.05e-04	-3.25e-04
1484	180	-7.50	-3.72	-0.76	0.0	-1.67e-03	-3.15e-04
1484	193	3.86	7.62	-0.24	0.0	8.34e-04	3.36e-04
1484	196	-3.98	-7.35	-0.93	0.0	-9.09e-04	-3.31e-04

1484	212	-8.76	-4.50	-0.80	0.0	-1.95e-03	-3.72e-04
1484	225	4.57	9.15	-0.16	0.0	9.93e-04	4.01e-04
1484	228	-4.70	-8.88	-1.00	0.0	-1.07e-03	-3.96e-04
1484	264	-0.64	0.21	-0.65	0.0	-1.82e-04	-1.73e-04
1484	276	-0.06	0.55	-0.63	0.0	-3.83e-05	3.14e-06
1484	280	-0.08	0.06	-0.76	0.0	-4.83e-05	3.30e-06
1484	298	-0.06	0.15	-0.62	0.0	-3.96e-05	2.70e-06
1484	305	-0.18	0.15	-0.58	0.0	-6.56e-05	-3.27e-05
1484	307	-0.06	0.22	-0.58	0.0	-3.69e-05	2.59e-06
1484	310	-0.06	0.14	-0.58	0.0	-3.75e-05	2.53e-06
1485	44	-1.03	0.42	-0.98	0.0	-1.68e-04	-5.29e-05
1485	68	-0.12	1.03	-0.95	0.0	-5.40e-05	6.51e-06
1485	76	-0.15	0.18	-1.16	0.0	-6.89e-05	6.68e-06
1485	116	-7.50	-3.75	-0.82	0.0	-1.33e-03	-2.73e-04
1485	129	3.76	7.84	-0.22	0.0	6.44e-04	3.08e-04
1485	132	-3.93	-7.43	-1.01	0.0	-7.18e-04	-3.01e-04
1485	148	-8.42	-4.28	-0.85	0.0	-1.49e-03	-3.07e-04
1485	161	4.25	8.86	-0.17	0.0	7.30e-04	3.47e-04
1485	164	-4.41	-8.45	-1.06	0.0	-8.04e-04	-3.40e-04
1485	180	-8.32	-4.43	-0.85	0.0	-1.47e-03	-3.06e-04
1485	193	4.27	9.19	-0.15	0.0	7.35e-04	3.53e-04
1485	196	-4.43	-8.78	-1.08	0.0	-8.09e-04	-3.46e-04
1485	212	-9.72	-5.37	-0.90	0.0	-1.71e-03	-3.61e-04
1485	225	5.06	11.03	-0.06	0.0	8.76e-04	4.22e-04
1485	228	-5.23	-10.62	-1.17	0.0	-9.50e-04	-4.15e-04
1485	264	-0.69	0.29	-0.69	0.0	-1.14e-04	-3.50e-05
1485	276	-0.08	0.70	-0.66	0.0	-3.78e-05	4.54e-06
1485	280	-0.10	0.13	-0.81	0.0	-4.78e-05	4.66e-06
1485	298	-0.09	0.22	-0.65	0.0	-3.91e-05	3.85e-06
1485	305	-0.20	0.22	-0.62	0.0	-5.17e-05	-4.22e-06
1485	307	-0.08	0.30	-0.61	0.0	-3.65e-05	3.70e-06
1485	310	-0.08	0.20	-0.62	0.0	-3.71e-05	3.60e-06
1486	44	-1.08	0.57	-1.14	0.0	-1.10e-04	-1.20e-05
1486	52	-0.18	1.03	-1.35	0.0	-6.54e-05	8.85e-06
1486	68	-0.15	1.28	-1.18	0.0	-5.45e-05	7.86e-06
1486	116	-7.97	-4.33	-0.51	0.0	-1.18e-03	-2.87e-04
1486	129	3.90	9.20	-1.11	0.0	5.60e-04	3.29e-04
1486	148	-8.94	-4.94	-0.48	0.0	-1.32e-03	-3.24e-04
1486	161	4.41	10.39	-1.16	0.0	6.36e-04	3.71e-04
1486	180	-8.83	-5.13	-0.47	0.0	-1.30e-03	-3.22e-04
1486	193	4.42	10.77	-1.18	0.0	6.40e-04	3.77e-04
1486	212	-10.31	-6.22	-0.42	0.0	-1.52e-03	-3.81e-04
1486	225	5.24	12.92	-1.27	0.0	7.63e-04	4.50e-04
1486	264	-0.72	0.39	-0.80	0.0	-7.50e-05	-7.75e-06
1486	268	-0.12	0.70	-0.94	0.0	-4.55e-05	6.15e-06
1486	276	-0.10	0.86	-0.83	0.0	-3.82e-05	5.49e-06
1486	298	-0.11	0.31	-0.75	0.0	-3.94e-05	4.64e-06
1486	305	-0.22	0.30	-0.71	0.0	-4.41e-05	1.82e-06
1486	307	-0.10	0.40	-0.72	0.0	-3.67e-05	4.46e-06
1486	310	-0.10	0.29	-0.71	0.0	-3.73e-05	4.35e-06
1487	44	-1.08	0.57	-1.09	0.0	-1.06e-04	-1.55e-05
1487	68	-0.15	1.28	-1.09	0.0	-5.40e-05	7.85e-06
1487	76	-0.19	0.31	-1.27	0.0	-6.89e-05	8.06e-06
1487	116	-8.04	-4.33	-0.67	0.0	-1.18e-03	-2.89e-04
1487	129	3.98	9.20	-0.67	0.0	5.67e-04	3.29e-04
1487	138	0.98	-7.11	-0.70	0.0	1.06e-04	-4.88e-05
1487	148	-9.03	-4.94	-0.67	0.0	-1.32e-03	-3.25e-04
1487	161	4.50	10.39	-0.67	0.0	6.43e-04	3.71e-04
1487	170	1.11	-8.08	-0.70	0.0	1.22e-04	-5.60e-05
1487	180	-8.92	-5.13	-0.67	0.0	-1.30e-03	-3.24e-04
1487	193	4.52	10.78	-0.67	0.0	6.48e-04	3.78e-04
1487	202	1.05	-8.31	-0.70	0.0	1.13e-04	-5.75e-05
1487	212	-10.41	-6.22	-0.67	0.0	-1.52e-03	-3.83e-04
1487	225	5.36	12.93	-0.67	0.0	7.73e-04	4.51e-04
1487	234	1.22	-9.94	-0.71	0.0	1.34e-04	-6.95e-05
1487	264	-0.73	0.39	-0.77	0.0	-7.27e-05	-1.01e-05
1487	276	-0.10	0.86	-0.76	0.0	-3.79e-05	5.48e-06
1487	280	-0.13	0.22	-0.89	0.0	-4.77e-05	5.62e-06
1487	298	-0.11	0.31	-0.72	0.0	-3.91e-05	4.64e-06
1487	305	-0.22	0.30	-0.68	0.0	-4.35e-05	1.35e-06
1487	307	-0.10	0.40	-0.68	0.0	-3.65e-05	4.46e-06
1487	310	-0.10	0.29	-0.68	0.0	-3.71e-05	4.34e-06
1488	44	-1.12	0.72	-1.20	0.0	-6.59e-05	-2.02e-06
1488	52	-0.21	1.26	-1.42	0.0	-6.52e-05	1.03e-05
1488	68	-0.18	1.52	-1.24	0.0	-5.43e-05	9.17e-06

1488	116	-8.51	-4.90	-0.56	0.0	-1.06e-03	-2.97e-04
1488	129	4.16	10.55	-1.10	0.0	5.05e-04	3.46e-04
1488	148	-9.55	-5.60	-0.54	0.0	-1.19e-03	-3.35e-04
1488	161	4.70	11.91	-1.15	0.0	5.74e-04	3.91e-04
1488	180	-9.43	-5.81	-0.53	0.0	-1.17e-03	-3.33e-04
1488	193	4.72	12.35	-1.16	0.0	5.78e-04	3.98e-04
1488	212	-11.01	-7.07	-0.49	0.0	-1.37e-03	-3.94e-04
1488	225	5.59	14.80	-1.25	0.0	6.91e-04	4.75e-04
1488	264	-0.75	0.50	-0.84	0.0	-4.58e-05	-1.06e-06
1488	268	-0.15	0.86	-0.99	0.0	-4.53e-05	7.17e-06
1488	276	-0.12	1.03	-0.86	0.0	-3.80e-05	6.41e-06
1488	298	-0.13	0.40	-0.79	0.0	-3.92e-05	5.42e-06
1488	305	-0.24	0.39	-0.75	0.0	-3.82e-05	3.72e-06
1488	307	-0.12	0.50	-0.75	0.0	-3.66e-05	5.21e-06
1488	310	-0.12	0.37	-0.75	0.0	-3.72e-05	5.08e-06
1489	44	-1.12	0.72	-1.15	0.0	-6.15e-05	-2.48e-06
1489	68	-0.17	1.53	-1.15	0.0	-5.38e-05	9.17e-06
1489	76	-0.22	0.44	-1.34	0.0	-6.86e-05	9.43e-06
1489	116	-8.59	-4.90	-0.71	0.0	-1.06e-03	-2.96e-04
1489	129	4.24	10.55	-0.71	0.0	5.11e-04	3.46e-04
1489	138	1.03	-8.08	-0.74	0.0	8.79e-05	-5.35e-05
1489	148	-9.63	-5.60	-0.71	0.0	-1.19e-03	-3.34e-04
1489	161	4.80	11.91	-0.71	0.0	5.81e-04	3.90e-04
1489	170	1.16	-9.19	-0.74	0.0	1.02e-04	-6.14e-05
1489	180	-9.52	-5.81	-0.71	0.0	-1.18e-03	-3.33e-04
1489	193	4.82	12.35	-0.71	0.0	5.85e-04	3.98e-04
1489	202	1.10	-9.45	-0.74	0.0	9.34e-05	-6.30e-05
1489	212	-11.11	-7.06	-0.71	0.0	-1.37e-03	-3.94e-04
1489	225	5.71	14.81	-0.71	0.0	6.99e-04	4.75e-04
1489	234	1.28	-11.32	-0.75	0.0	1.12e-04	-7.62e-05
1489	264	-0.75	0.50	-0.81	0.0	-4.28e-05	-1.36e-06
1489	276	-0.12	1.04	-0.81	0.0	-3.77e-05	6.40e-06
1489	280	-0.15	0.31	-0.94	0.0	-4.75e-05	6.58e-06
1489	298	-0.13	0.40	-0.76	0.0	-3.89e-05	5.42e-06
1489	305	-0.24	0.39	-0.72	0.0	-3.74e-05	3.66e-06
1489	307	-0.12	0.50	-0.72	0.0	-3.63e-05	5.21e-06
1489	310	-0.12	0.38	-0.72	0.0	-3.69e-05	5.08e-06
1490	44	-1.09	0.57	-1.03	0.0	-1.03e-04	-1.89e-05
1490	68	-0.14	1.28	-1.00	0.0	-5.36e-05	7.84e-06
1490	76	-0.19	0.31	-1.22	0.0	-6.84e-05	8.04e-06
1490	116	-8.12	-4.33	-0.87	0.0	-1.18e-03	-2.90e-04
1490	129	4.06	9.20	-0.23	0.0	5.74e-04	3.30e-04
1490	132	-4.26	-8.62	-1.07	0.0	-6.48e-04	-3.21e-04
1490	148	-9.11	-4.94	-0.89	0.0	-1.33e-03	-3.27e-04
1490	161	4.59	10.39	-0.17	0.0	6.52e-04	3.72e-04
1490	164	-4.79	-9.81	-1.12	0.0	-7.25e-04	-3.63e-04
1490	180	-9.01	-5.13	-0.90	0.0	-1.31e-03	-3.25e-04
1490	193	4.62	10.77	-0.16	0.0	6.56e-04	3.79e-04
1490	196	-4.82	-10.20	-1.14	0.0	-7.30e-04	-3.70e-04
1490	212	-10.52	-6.22	-0.95	0.0	-1.53e-03	-3.85e-04
1490	225	5.48	12.92	-0.06	0.0	7.84e-04	4.52e-04
1490	228	-5.67	-12.35	-1.24	0.0	-8.57e-04	-4.44e-04
1490	264	-0.73	0.39	-0.72	0.0	-7.04e-05	-1.23e-05
1490	276	-0.10	0.87	-0.70	0.0	-3.76e-05	5.47e-06
1490	280	-0.13	0.22	-0.85	0.0	-4.74e-05	5.61e-06
1490	298	-0.11	0.31	-0.69	0.0	-3.89e-05	4.63e-06
1490	305	-0.22	0.30	-0.65	0.0	-4.28e-05	0.0
1490	307	-0.10	0.40	-0.64	0.0	-3.63e-05	4.45e-06
1490	310	-0.10	0.29	-0.65	0.0	-3.68e-05	4.33e-06
1491	44	-1.12	0.73	-1.10	0.0	-5.72e-05	-2.89e-06
1491	68	-0.17	1.53	-1.06	0.0	-5.34e-05	9.17e-06
1491	76	-0.22	0.45	-1.29	0.0	-6.81e-05	9.43e-06
1491	116	-8.66	-4.90	-0.88	0.0	-1.07e-03	-2.96e-04
1491	129	4.33	10.55	-0.31	0.0	5.17e-04	3.46e-04
1491	132	-4.57	-9.80	-1.07	0.0	-5.90e-04	-3.36e-04
1491	148	-9.72	-5.60	-0.91	0.0	-1.19e-03	-3.34e-04
1491	161	4.89	11.91	-0.26	0.0	5.88e-04	3.90e-04
1491	164	-5.13	-11.15	-1.12	0.0	-6.61e-04	-3.80e-04
1491	180	-9.61	-5.81	-0.92	0.0	-1.18e-03	-3.33e-04
1491	193	4.92	12.35	-0.24	0.0	5.92e-04	3.98e-04
1491	196	-5.16	-11.59	-1.13	0.0	-6.65e-04	-3.88e-04
1491	212	-11.22	-7.06	-0.96	0.0	-1.37e-03	-3.94e-04
1491	225	5.84	14.81	-0.15	0.0	7.08e-04	4.75e-04
1491	228	-6.07	-14.05	-1.23	0.0	-7.81e-04	-4.65e-04
1491	264	-0.75	0.50	-0.77	0.0	-3.99e-05	-1.63e-06

1491	276	-0.12	1.04	-0.75	0.0	-3.74e-05	6.40e-06
1491	280	-0.15	0.32	-0.90	0.0	-4.72e-05	6.58e-06
1491	298	-0.12	0.40	-0.73	0.0	-3.87e-05	5.42e-06
1491	305	-0.24	0.39	-0.69	0.0	-3.66e-05	3.60e-06
1491	307	-0.12	0.50	-0.68	0.0	-3.61e-05	5.21e-06
1491	310	-0.12	0.38	-0.69	0.0	-3.67e-05	5.08e-06
1492	44	-1.13	0.84	-1.27	0.0	-3.96e-05	1.12e-05
1492	52	-0.24	1.45	-1.49	0.0	-6.51e-05	1.18e-05
1492	68	-0.20	1.73	-1.29	0.0	-5.42e-05	1.05e-05
1492	116	-8.99	-5.43	-0.66	0.0	-9.83e-04	-3.02e-04
1492	129	4.39	11.76	-1.04	0.0	4.68e-04	3.62e-04
1492	148	-10.09	-6.21	-0.64	0.0	-1.10e-03	-3.41e-04
1492	161	4.96	13.27	-1.07	0.0	5.32e-04	4.08e-04
1492	180	-9.97	-6.44	-0.64	0.0	-1.09e-03	-3.40e-04
1492	193	4.98	13.76	-1.08	0.0	5.36e-04	4.16e-04
1492	212	-11.63	-7.84	-0.61	0.0	-1.26e-03	-4.02e-04
1492	225	5.91	16.49	-1.14	0.0	6.41e-04	4.97e-04
1492	264	-0.76	0.58	-0.89	0.0	-2.83e-05	7.80e-06
1492	268	-0.17	0.99	-1.04	0.0	-4.52e-05	8.23e-06
1492	276	-0.14	1.18	-0.91	0.0	-3.80e-05	7.35e-06
1492	298	-0.15	0.47	-0.84	0.0	-3.91e-05	6.23e-06
1492	305	-0.26	0.46	-0.79	0.0	-3.46e-05	6.08e-06
1492	307	-0.14	0.58	-0.79	0.0	-3.65e-05	5.99e-06
1492	310	-0.14	0.44	-0.79	0.0	-3.71e-05	5.84e-06
1493	44	-1.13	0.86	-1.24	0.0	-3.45e-05	1.15e-05
1493	68	-0.20	1.76	-1.24	0.0	-5.37e-05	1.05e-05
1493	76	-0.26	0.57	-1.44	0.0	-6.84e-05	1.08e-05
1493	116	-9.07	-5.41	-0.76	0.0	-9.84e-04	-3.02e-04
1493	129	4.48	11.77	-0.76	0.0	4.73e-04	3.62e-04
1493	138	1.07	-8.95	-0.79	0.0	7.59e-05	-5.84e-05
1493	148	-10.18	-6.19	-0.76	0.0	-1.10e-03	-3.41e-04
1493	161	5.06	13.28	-0.76	0.0	5.38e-04	4.08e-04
1493	170	1.21	-10.19	-0.80	0.0	8.87e-05	-6.70e-05
1493	180	-10.06	-6.42	-0.76	0.0	-1.09e-03	-3.40e-04
1493	193	5.09	13.77	-0.76	0.0	5.42e-04	4.16e-04
1493	202	1.14	-10.48	-0.80	0.0	8.03e-05	-6.87e-05
1493	212	-11.74	-7.82	-0.76	0.0	-1.27e-03	-4.02e-04
1493	225	6.04	16.50	-0.76	0.0	6.49e-04	4.97e-04
1493	234	1.33	-12.55	-0.80	0.0	9.64e-05	-8.31e-05
1493	264	-0.76	0.60	-0.87	0.0	-2.48e-05	7.98e-06
1493	276	-0.14	1.19	-0.87	0.0	-3.76e-05	7.35e-06
1493	280	-0.18	0.40	-1.00	0.0	-4.74e-05	7.56e-06
1493	298	-0.15	0.49	-0.82	0.0	-3.88e-05	6.23e-06
1493	305	-0.26	0.47	-0.77	0.0	-3.37e-05	6.11e-06
1493	307	-0.14	0.59	-0.77	0.0	-3.63e-05	5.98e-06
1493	310	-0.14	0.46	-0.77	0.0	-3.68e-05	5.84e-06
1494	4	-0.02	0.88	-1.66	-7.78e-05	-6.45e-05	8.13e-06
1494	44	-1.14	0.90	-1.43	-6.53e-05	-2.14e-04	2.62e-05
1494	68	-0.23	1.81	-1.43	-7.39e-05	-8.47e-05	1.19e-05
1494	116	-9.44	-5.53	-0.83	8.24e-05	-1.05e-03	-3.06e-04
1494	129	4.60	12.07	-1.00	-2.81e-04	4.67e-04	3.76e-04
1494	148	-10.59	-6.33	-0.82	9.87e-05	-1.18e-03	-3.45e-04
1494	161	5.20	13.62	-1.01	-3.13e-04	5.33e-04	4.24e-04
1494	180	-10.47	-6.57	-0.82	1.04e-04	-1.16e-03	-3.44e-04
1494	193	5.23	14.12	-1.02	-3.24e-04	5.35e-04	4.32e-04
1494	212	-12.22	-8.00	-0.80	1.33e-04	-1.35e-03	-4.08e-04
1494	225	6.20	16.92	-1.05	-3.81e-04	6.43e-04	5.16e-04
1494	244	-0.02	0.61	-1.16	-5.34e-05	-4.61e-05	5.80e-06
1494	264	-0.77	0.63	-1.00	-4.51e-05	-1.46e-04	1.78e-05
1494	276	-0.16	1.23	-1.01	-5.09e-05	-5.95e-05	8.33e-06
1494	298	-0.17	0.51	-0.94	-4.45e-05	-5.78e-05	7.11e-06
1494	305	-0.28	0.50	-0.89	-4.15e-05	-7.18e-05	8.72e-06
1494	307	-0.16	0.62	-0.89	-4.26e-05	-5.45e-05	6.83e-06
1494	310	-0.16	0.48	-0.89	-4.13e-05	-5.52e-05	6.67e-06
1495	44	-1.14	0.90	-1.39	-4.62e-05	-2.15e-04	2.70e-05
1495	68	-0.23	1.81	-1.39	-5.58e-05	-8.45e-05	1.20e-05
1495	76	-0.29	0.61	-1.61	-4.80e-05	-1.03e-04	1.24e-05
1495	116	-9.52	-5.53	-0.85	1.03e-04	-1.06e-03	-3.07e-04
1495	129	4.69	12.08	-0.85	-2.79e-04	4.69e-04	3.77e-04
1495	138	1.10	-9.17	-0.89	1.89e-04	6.81e-05	-6.30e-05
1495	148	-10.68	-6.33	-0.85	1.20e-04	-1.18e-03	-3.46e-04
1495	161	5.31	13.62	-0.85	-3.13e-04	5.36e-04	4.25e-04
1495	170	1.24	-10.44	-0.89	2.17e-04	8.21e-05	-7.23e-05
1495	180	-10.56	-6.57	-0.85	1.25e-04	-1.17e-03	-3.45e-04
1495	193	5.34	14.13	-0.85	-3.24e-04	5.38e-04	4.33e-04

1495	202	1.17	-10.73	-0.89	2.24e-04	7.36e-05	-7.41e-05
1495	212	-12.32	-8.00	-0.85	1.56e-04	-1.35e-03	-4.09e-04
1495	225	6.34	16.92	-0.85	-3.84e-04	6.46e-04	5.17e-04
1495	234	1.37	-12.86	-0.90	2.71e-04	9.16e-05	-8.96e-05
1495	264	-0.76	0.63	-0.97	-3.22e-05	-1.46e-04	1.84e-05
1495	276	-0.16	1.23	-0.97	-3.86e-05	-5.94e-05	8.39e-06
1495	280	-0.20	0.43	-1.12	-3.33e-05	-7.18e-05	8.66e-06
1495	298	-0.16	0.51	-0.91	-2.86e-05	-5.77e-05	7.13e-06
1495	305	-0.27	0.50	-0.86	-2.73e-05	-7.18e-05	8.85e-06
1495	307	-0.15	0.62	-0.86	-2.85e-05	-5.44e-05	6.85e-06
1495	310	-0.16	0.48	-0.86	-2.70e-05	-5.51e-05	6.68e-06
1496	44	-1.13	0.89	-1.19	0.0	-2.98e-05	1.19e-05
1496	68	-0.20	1.79	-1.17	0.0	-5.32e-05	1.05e-05
1496	76	-0.25	0.60	-1.39	0.0	-6.79e-05	1.08e-05
1496	116	-9.15	-5.39	-0.89	0.0	-9.86e-04	-3.02e-04
1496	129	4.57	11.80	-0.47	0.0	4.79e-04	3.62e-04
1496	132	-4.84	-10.84	-1.02	0.0	-5.52e-04	-3.50e-04
1496	148	-10.27	-6.17	-0.91	0.0	-1.10e-03	-3.41e-04
1496	161	5.16	13.30	-0.43	0.0	5.45e-04	4.08e-04
1496	164	-5.44	-12.35	-1.06	0.0	-6.18e-04	-3.97e-04
1496	180	-10.15	-6.41	-0.91	0.0	-1.09e-03	-3.40e-04
1496	193	5.19	13.80	-0.42	0.0	5.49e-04	4.16e-04
1496	196	-5.47	-12.84	-1.07	0.0	-6.22e-04	-4.04e-04
1496	212	-11.85	-7.80	-0.94	0.0	-1.27e-03	-4.02e-04
1496	225	6.17	16.53	-0.35	0.0	6.57e-04	4.97e-04
1496	228	-6.44	-15.58	-1.14	0.0	-7.30e-04	-4.85e-04
1496	264	-0.76	0.62	-0.83	0.0	-2.17e-05	8.27e-06
1496	276	-0.14	1.21	-0.82	0.0	-3.73e-05	7.35e-06
1496	280	-0.18	0.42	-0.97	0.0	-4.71e-05	7.57e-06
1496	298	-0.14	0.51	-0.79	0.0	-3.86e-05	6.23e-06
1496	305	-0.26	0.49	-0.74	0.0	-3.28e-05	6.17e-06
1496	307	-0.13	0.61	-0.74	0.0	-3.60e-05	5.99e-06
1496	310	-0.14	0.48	-0.74	0.0	-3.65e-05	5.84e-06
1497	44	-1.13	0.90	-1.39	-2.21e-05	-2.15e-04	2.74e-05
1497	68	-0.22	1.81	-1.38	-3.03e-05	-8.44e-05	1.21e-05
1497	76	-0.29	0.61	-1.62	-1.56e-05	-1.03e-04	1.24e-05
1497	116	-9.60	-5.53	-0.87	1.15e-04	-1.06e-03	-3.07e-04
1497	129	4.79	12.08	-0.74	-2.52e-04	4.71e-04	3.77e-04
1497	138	1.09	-9.17	-1.01	1.98e-04	6.79e-05	-6.34e-05
1497	148	-10.77	-6.33	-0.87	1.32e-04	-1.18e-03	-3.46e-04
1497	161	5.42	13.62	-0.73	-2.84e-04	5.38e-04	4.25e-04
1497	170	1.23	-10.44	-1.03	2.26e-04	8.19e-05	-7.27e-05
1497	180	-10.65	-6.57	-0.87	1.36e-04	-1.17e-03	-3.45e-04
1497	193	5.45	14.13	-0.72	-2.94e-04	5.40e-04	4.33e-04
1497	194	0.06	-11.21	-1.03	2.35e-04	-3.44e-05	-2.73e-04
1497	212	-12.43	-8.00	-0.87	1.65e-04	-1.36e-03	-4.09e-04
1497	225	6.47	16.92	-0.69	-3.53e-04	6.49e-04	5.17e-04
1497	226	6.20e-03	-13.62	-1.07	2.86e-04	-4.01e-05	-3.31e-04
1497	264	-0.76	0.63	-0.97	-1.57e-05	-1.47e-04	1.87e-05
1497	276	-0.16	1.23	-0.97	-2.12e-05	-5.93e-05	8.43e-06
1497	280	-0.20	0.43	-1.13	-1.14e-05	-7.17e-05	8.66e-06
1497	298	-0.16	0.51	-0.91	-9.50e-06	-5.76e-05	7.14e-06
1497	305	-0.27	0.50	-0.86	-1.00e-05	-7.18e-05	8.91e-06
1497	307	-0.15	0.62	-0.86	-1.11e-05	-5.43e-05	6.86e-06
1497	310	-0.15	0.48	-0.87	-9.66e-06	-5.50e-05	6.69e-06
1498	44	-1.38	0.28	-0.43	0.0	-1.25e-03	3.54e-04
1498	52	-0.06	0.58	-0.53	0.0	-6.30e-05	1.77e-05
1498	68	-0.05	0.77	-0.48	0.0	-5.16e-05	1.39e-05
1498	116	-6.26	-3.04	-0.01	0.0	-1.70e-03	2.09e-04
1498	129	3.43	6.23	-0.74	0.0	8.95e-04	3.44e-05
1498	148	-7.03	-3.46	0.02	0.0	-1.91e-03	2.33e-04
1498	161	3.87	7.04	-0.80	0.0	1.01e-03	3.78e-05
1498	180	-6.95	-3.59	0.03	0.0	-1.89e-03	2.27e-04
1498	193	3.90	7.30	-0.82	0.0	1.02e-03	4.02e-05
1498	212	-8.13	-4.34	0.10	0.0	-2.20e-03	2.62e-04
1498	225	4.63	8.77	-0.93	0.0	1.22e-03	4.75e-05
1498	264	-0.92	0.19	-0.30	0.0	-8.37e-04	2.37e-04
1498	268	-0.04	0.39	-0.37	0.0	-4.38e-05	1.24e-05
1498	276	-0.03	0.52	-0.34	0.0	-3.62e-05	9.78e-06
1498	298	-0.04	0.13	-0.29	0.0	-3.87e-05	1.11e-05
1498	305	-0.21	0.13	-0.27	0.0	-1.96e-04	5.55e-05
1498	307	-0.03	0.20	-0.28	0.0	-3.59e-05	1.01e-05
1498	310	-0.03	0.12	-0.27	0.0	-3.68e-05	1.05e-05
1499	44	-1.18	0.27	-0.38	0.0	-9.76e-04	4.85e-04
1499	52	-0.05	0.58	-0.46	0.0	-5.41e-05	2.06e-05

1499	68	-0.04	0.78	-0.41	0.0	-4.43e-05	1.61e-05
1499	116	-6.16	-3.04	-0.07	0.0	-1.53e-03	2.16e-04
1499	129	3.44	6.22	-0.46	0.0	8.17e-04	3.30e-05
1499	148	-6.92	-3.46	-0.05	0.0	-1.71e-03	2.40e-04
1499	161	3.88	7.03	-0.49	0.0	9.26e-04	3.60e-05
1499	180	-6.85	-3.59	-0.05	0.0	-1.70e-03	2.34e-04
1499	193	3.91	7.30	-0.49	0.0	9.34e-04	3.83e-05
1499	212	-8.02	-4.33	-9.44e-03	0.0	-1.98e-03	2.70e-04
1499	225	4.65	8.77	-0.54	0.0	1.11e-03	4.48e-05
1499	264	-0.79	0.19	-0.27	0.0	-6.52e-04	3.24e-04
1499	268	-0.03	0.39	-0.32	0.0	-3.76e-05	1.44e-05
1499	276	-0.03	0.52	-0.29	0.0	-3.11e-05	1.14e-05
1499	298	-0.03	0.12	-0.26	0.0	-3.35e-05	1.29e-05
1499	305	-0.18	0.13	-0.25	0.0	-1.55e-04	7.43e-05
1499	307	-0.03	0.20	-0.25	0.0	-3.10e-05	1.18e-05
1499	310	-0.03	0.12	-0.25	0.0	-3.18e-05	1.22e-05
1500	44	-2.06	0.35	-0.48	0.0	-9.58e-04	2.08e-04
1500	52	-0.09	0.68	-0.60	0.0	-6.17e-05	1.81e-05
1500	68	-0.08	0.88	-0.54	0.0	-5.06e-05	1.47e-05
1500	116	-7.15	-3.19	0.01	0.0	-1.59e-03	1.35e-04
1500	129	3.89	6.65	-0.87	0.0	8.40e-04	9.25e-05
1500	148	-8.02	-3.64	0.05	0.0	-1.78e-03	1.50e-04
1500	161	4.40	7.51	-0.94	0.0	9.51e-04	1.04e-04
1500	180	-7.94	-3.77	0.06	0.0	-1.76e-03	1.43e-04
1500	193	4.43	7.79	-0.96	0.0	9.60e-04	1.08e-04
1500	212	-9.28	-4.57	0.14	0.0	-2.06e-03	1.63e-04
1500	225	5.26	9.35	-1.10	0.0	1.15e-03	1.29e-04
1500	264	-1.37	0.24	-0.34	0.0	-6.40e-04	1.39e-04
1500	268	-0.06	0.46	-0.42	0.0	-4.29e-05	1.26e-05
1500	276	-0.05	0.60	-0.38	0.0	-3.55e-05	1.03e-05
1500	298	-0.06	0.17	-0.32	0.0	-3.80e-05	1.10e-05
1500	305	-0.32	0.17	-0.31	0.0	-1.56e-04	3.60e-05
1500	307	-0.05	0.25	-0.32	0.0	-3.52e-05	1.02e-05
1500	310	-0.05	0.16	-0.31	0.0	-3.61e-05	1.04e-05
1501	44	-1.70	0.34	-0.42	0.0	-7.03e-04	8.02e-04
1501	52	-0.08	0.69	-0.51	0.0	-5.56e-05	3.06e-05
1501	68	-0.07	0.90	-0.45	0.0	-4.54e-05	2.46e-05
1501	116	-6.98	-3.26	-0.08	0.0	-1.48e-03	3.99e-04
1501	129	3.88	6.76	-0.50	0.0	7.93e-04	-2.04e-05
1501	148	-7.84	-3.71	-0.05	0.0	-1.66e-03	4.46e-04
1501	161	4.38	7.64	-0.53	0.0	8.99e-04	-2.49e-05
1501	180	-7.76	-3.84	-0.05	0.0	-1.64e-03	4.38e-04
1501	193	4.42	7.92	-0.54	0.0	9.07e-04	-2.38e-05
1501	212	-9.08	-4.65	-8.59e-03	0.0	-1.92e-03	5.07e-04
1501	225	5.24	9.51	-0.60	0.0	1.08e-03	-3.04e-05
1501	264	-1.14	0.24	-0.29	0.0	-4.70e-04	5.35e-04
1501	268	-0.05	0.47	-0.35	0.0	-3.86e-05	2.13e-05
1501	276	-0.05	0.61	-0.32	0.0	-3.19e-05	1.73e-05
1501	298	-0.05	0.17	-0.29	0.0	-3.44e-05	1.87e-05
1501	305	-0.26	0.17	-0.27	0.0	-1.20e-04	1.21e-04
1501	307	-0.05	0.25	-0.27	0.0	-3.19e-05	1.72e-05
1501	310	-0.05	0.16	-0.27	0.0	-3.26e-05	1.77e-05
1502	44	-2.56	0.42	-0.54	0.0	-4.39e-04	1.05e-03
1502	52	-0.13	0.83	-0.67	0.0	-5.91e-05	3.34e-05
1502	68	-0.10	1.06	-0.61	0.0	-4.84e-05	2.72e-05
1502	116	-7.97	-3.78	0.05	0.0	-1.42e-03	4.49e-04
1502	129	4.33	7.89	-1.04	0.0	7.56e-04	-2.62e-05
1502	148	-8.95	-4.30	0.10	0.0	-1.59e-03	5.01e-04
1502	161	4.89	8.91	-1.13	0.0	8.57e-04	-3.16e-05
1502	180	-8.85	-4.46	0.12	0.0	-1.58e-03	4.92e-04
1502	193	4.93	9.24	-1.16	0.0	8.65e-04	-3.03e-05
1502	212	-10.35	-5.41	0.21	0.0	-1.84e-03	5.70e-04
1502	225	5.86	11.09	-1.33	0.0	1.03e-03	-3.83e-05
1502	264	-1.71	0.29	-0.38	0.0	-2.94e-04	6.99e-04
1502	268	-0.09	0.56	-0.47	0.0	-4.11e-05	2.33e-05
1502	276	-0.07	0.72	-0.43	0.0	-3.40e-05	1.91e-05
1502	298	-0.08	0.22	-0.36	0.0	-3.64e-05	2.04e-05
1502	305	-0.40	0.22	-0.34	0.0	-8.59e-05	1.55e-04
1502	307	-0.07	0.30	-0.35	0.0	-3.38e-05	1.88e-05
1502	310	-0.07	0.20	-0.34	0.0	-3.46e-05	1.93e-05
1503	44	-2.00	0.42	-0.44	0.0	-3.24e-04	1.12e-03
1503	52	-0.11	0.83	-0.54	0.0	-5.73e-05	3.59e-05
1503	68	-0.09	1.06	-0.48	0.0	-4.68e-05	2.91e-05
1503	116	-7.74	-3.76	-0.08	0.0	-1.42e-03	4.45e-04
1503	129	4.28	7.86	-0.53	0.0	7.65e-04	-2.34e-05

1503	148	-8.70	-4.29	-0.06	0.0	-1.59e-03	4.97e-04
1503	161	4.84	8.88	-0.56	0.0	8.67e-04	-2.87e-05
1503	180	-8.61	-4.45	-0.06	0.0	-1.57e-03	4.88e-04
1503	193	4.88	9.22	-0.57	0.0	8.76e-04	-2.74e-05
1503	212	-10.07	-5.39	-0.01	0.0	-1.84e-03	5.66e-04
1503	225	5.80	11.06	-0.62	0.0	1.05e-03	-3.51e-05
1503	264	-1.34	0.29	-0.31	0.0	-2.18e-04	7.45e-04
1503	268	-0.08	0.56	-0.38	0.0	-3.98e-05	2.50e-05
1503	276	-0.06	0.72	-0.34	0.0	-3.29e-05	2.05e-05
1503	298	-0.07	0.22	-0.31	0.0	-3.55e-05	2.19e-05
1503	305	-0.32	0.22	-0.29	0.0	-6.98e-05	1.65e-04
1503	307	-0.06	0.30	-0.29	0.0	-3.29e-05	2.02e-05
1503	310	-0.06	0.20	-0.29	0.0	-3.37e-05	2.08e-05
1504	4	0.22	0.20	-0.34	0.0	1.21e-04	-1.51e-04
1504	44	-0.90	0.27	-0.27	0.0	-5.93e-04	6.16e-04
1504	68	-0.03	0.78	-0.28	0.0	-3.39e-05	1.91e-05
1504	116	-6.01	-3.05	-0.03	0.0	-1.27e-03	3.34e-04
1504	118	5.14	-0.07	-0.39	0.0	1.04e-03	-3.40e-04
1504	129	3.41	6.23	-0.18	0.0	6.91e-04	-1.50e-05
1504	148	-6.76	-3.46	-7.11e-03	0.0	-1.42e-03	3.73e-04
1504	150	5.77	-0.09	-0.42	0.0	1.17e-03	-3.84e-04
1504	161	3.85	7.04	-0.18	0.0	7.83e-04	-1.85e-05
1504	180	-6.69	-3.59	-0.01	0.0	-1.41e-03	3.66e-04
1504	182	5.68	-0.09	-0.42	0.0	1.15e-03	-3.76e-04
1504	193	3.89	7.30	-0.18	0.0	7.91e-04	-1.76e-05
1504	212	-7.83	-4.34	0.02	0.0	-1.64e-03	4.24e-04
1504	214	6.63	-0.12	-0.45	0.0	1.35e-03	-4.41e-04
1504	225	4.62	8.77	-0.17	0.0	9.43e-04	-2.27e-05
1504	244	0.15	0.14	-0.24	0.0	7.98e-05	-1.00e-04
1504	264	-0.60	0.19	-0.19	0.0	-3.97e-04	4.11e-04
1504	276	-0.02	0.53	-0.20	0.0	-2.38e-05	1.34e-05
1504	298	-0.02	0.12	-0.20	0.0	-2.63e-05	1.51e-05
1504	305	-0.14	0.13	-0.18	0.0	-9.88e-05	9.33e-05
1504	307	-0.02	0.20	-0.19	0.0	-2.43e-05	1.38e-05
1504	310	-0.02	0.12	-0.19	0.0	-2.50e-05	1.43e-05
1505	4	0.28	0.28	-0.37	0.0	6.59e-05	-2.55e-04
1505	44	-1.20	0.34	-0.30	0.0	-4.38e-04	1.03e-03
1505	68	-0.05	0.91	-0.31	0.0	-3.95e-05	3.15e-05
1505	116	-6.71	-3.29	-0.03	0.0	-1.38e-03	6.06e-04
1505	118	5.71	-0.05	-0.43	0.0	1.12e-03	-5.68e-04
1505	129	3.80	6.82	-0.20	0.0	7.54e-04	-6.02e-05
1505	148	-7.54	-3.75	-8.04e-03	0.0	-1.54e-03	6.77e-04
1505	150	6.41	-0.07	-0.45	0.0	1.27e-03	-6.40e-04
1505	161	4.29	7.71	-0.20	0.0	8.54e-04	-7.02e-05
1505	180	-7.46	-3.88	-0.01	0.0	-1.53e-03	6.66e-04
1505	182	6.31	-0.07	-0.45	0.0	1.25e-03	-6.29e-04
1505	193	4.33	7.99	-0.19	0.0	8.63e-04	-6.77e-05
1505	212	-8.73	-4.70	0.02	0.0	-1.78e-03	7.73e-04
1505	214	7.37	-0.10	-0.49	0.0	1.46e-03	-7.37e-04
1505	225	5.14	9.60	-0.19	0.0	1.03e-03	-8.23e-05
1505	244	0.19	0.19	-0.26	0.0	4.25e-05	-1.69e-04
1505	264	-0.80	0.24	-0.21	0.0	-2.94e-04	6.86e-04
1505	276	-0.04	0.61	-0.22	0.0	-2.77e-05	2.21e-05
1505	298	-0.04	0.17	-0.21	0.0	-3.04e-05	2.38e-05
1505	305	-0.19	0.17	-0.20	0.0	-8.12e-05	1.55e-04
1505	307	-0.04	0.25	-0.20	0.0	-2.81e-05	2.19e-05
1505	310	-0.04	0.16	-0.20	0.0	-2.88e-05	2.25e-05
1506	4	0.30	0.36	-0.40	0.0	-4.52e-06	-3.19e-04
1506	44	-1.39	0.42	-0.31	0.0	-2.39e-04	1.24e-03
1506	68	-0.07	1.06	-0.33	0.0	-4.62e-05	3.27e-05
1506	116	-7.48	-3.76	-0.03	0.0	-1.48e-03	5.29e-04
1506	118	6.33	-0.03	-0.45	0.0	1.20e-03	-5.29e-04
1506	129	4.22	7.86	-0.21	0.0	8.16e-04	-4.57e-05
1506	148	-8.40	-4.29	-5.41e-03	0.0	-1.66e-03	5.91e-04
1506	150	7.12	-0.06	-0.48	0.0	1.36e-03	-5.96e-04
1506	161	4.76	8.88	-0.21	0.0	9.25e-04	-5.42e-05
1506	180	-8.32	-4.45	-0.01	0.0	-1.65e-03	5.81e-04
1506	182	7.01	-0.06	-0.48	0.0	1.33e-03	-5.86e-04
1506	193	4.81	9.21	-0.21	0.0	9.35e-04	-5.30e-05
1506	212	-9.73	-5.39	0.02	0.0	-1.92e-03	6.74e-04
1506	214	8.18	-0.10	-0.52	0.0	1.56e-03	-6.87e-04
1506	225	5.72	11.06	-0.21	0.0	1.12e-03	-6.61e-05
1506	244	0.20	0.25	-0.28	0.0	-4.62e-06	-2.11e-04
1506	264	-0.93	0.29	-0.22	0.0	-1.61e-04	8.30e-04
1506	276	-0.05	0.72	-0.23	0.0	-3.24e-05	2.30e-05

1506	298	-0.06	0.22	-0.23	0.0	-3.52e-05	2.46e-05
1506	305	-0.23	0.22	-0.21	0.0	-5.84e-05	1.84e-04
1506	307	-0.05	0.30	-0.21	0.0	-3.26e-05	2.27e-05
1506	310	-0.05	0.20	-0.22	0.0	-3.34e-05	2.33e-05
1507	44	-0.52	0.27	-0.14	-1.42e-04	3.95e-06	-1.81e-05
1507	68	-0.02	0.79	-0.13	-3.36e-04	-4.44e-05	-7.02e-04
1507	76	-0.02	0.04	-0.22	-9.46e-05	1.75e-05	1.72e-04
1507	116	-5.79	-3.05	0.14	4.88e-04	2.21e-03	2.35e-04
1507	129	3.35	6.23	0.10	-1.18e-03	-4.28e-03	-4.51e-04
1507	138	0.60	-4.94	-0.60	8.39e-04	3.63e-03	4.12e-04
1507	148	-6.50	-3.47	0.17	5.64e-04	2.51e-03	2.67e-04
1507	161	3.78	7.04	0.13	-1.33e-03	-4.85e-03	-5.09e-04
1507	170	0.67	-5.60	-0.66	9.61e-04	4.11e-03	4.69e-04
1507	180	-6.44	-3.59	0.16	5.87e-04	2.59e-03	2.72e-04
1507	193	3.82	7.31	0.14	-1.38e-03	-5.04e-03	-5.25e-04
1507	202	0.62	-5.75	-0.67	9.89e-04	4.22e-03	4.83e-04
1507	212	-7.54	-4.34	0.20	7.22e-04	3.12e-03	3.27e-04
1507	225	4.54	8.78	0.20	-1.64e-03	-6.07e-03	-6.29e-04
1507	234	0.71	-6.87	-0.77	1.19e-03	5.01e-03	5.78e-04
1507	264	-0.35	0.19	-0.10	-9.83e-05	2.71e-06	-1.29e-05
1507	276	-0.01	0.53	-0.10	-2.28e-04	-2.95e-05	-4.69e-04
1507	280	-0.02	0.03	-0.15	-6.70e-05	1.18e-05	1.14e-04
1507	298	-0.01	0.12	-0.12	-8.74e-05	1.62e-06	-1.64e-05
1507	305	-0.08	0.13	-0.11	-8.34e-05	1.67e-06	-1.44e-05
1507	307	-0.01	0.20	-0.11	-1.09e-04	-4.77e-06	-1.06e-04
1507	310	-0.01	0.12	-0.12	-8.21e-05	1.55e-06	-1.55e-05
1508	44	-0.58	0.34	-0.15	-1.52e-04	0.0	-4.08e-05
1508	68	-0.03	0.91	-0.14	-3.31e-04	0.0	-1.16e-03
1508	76	-0.04	0.11	-0.23	-1.09e-04	0.0	2.79e-04
1508	116	-6.29	-3.30	0.15	6.70e-04	0.0	4.10e-04
1508	129	3.64	6.84	0.11	-1.55e-03	0.0	-8.51e-04
1508	138	0.64	-5.37	-0.64	1.14e-03	0.0	7.34e-04
1508	148	-7.07	-3.76	0.18	7.70e-04	0.0	4.67e-04
1508	161	4.10	7.73	0.14	-1.74e-03	0.0	-9.61e-04
1508	170	0.72	-6.10	-0.71	1.30e-03	0.0	8.34e-04
1508	180	-7.00	-3.90	0.17	8.01e-04	0.0	4.81e-04
1508	193	4.15	8.02	0.15	-1.81e-03	0.0	-9.95e-04
1508	202	0.67	-6.27	-0.72	1.33e-03	0.0	8.58e-04
1508	212	-8.19	-4.72	0.21	9.81e-04	0.0	5.81e-04
1508	225	4.93	9.63	0.22	-2.16e-03	0.0	-1.19e-03
1508	234	0.76	-7.49	-0.82	1.60e-03	0.0	1.03e-03
1508	264	-0.39	0.24	-0.11	-1.06e-04	0.0	-2.89e-05
1508	276	-0.02	0.61	-0.11	-2.25e-04	0.0	-7.77e-04
1508	280	-0.03	0.08	-0.17	-7.69e-05	0.0	1.84e-04
1508	298	-0.02	0.17	-0.13	-9.28e-05	0.0	-3.02e-05
1508	305	-0.09	0.17	-0.12	-8.88e-05	0.0	-2.77e-05
1508	307	-0.02	0.25	-0.12	-1.13e-04	0.0	-1.77e-04
1508	310	-0.02	0.16	-0.13	-8.73e-05	0.0	-2.88e-05
1509	44	-0.67	0.42	-0.15	-1.72e-04	0.0	-6.06e-05
1509	68	-0.05	1.07	-0.15	-3.20e-04	0.0	-1.37e-03
1509	76	-0.07	0.16	-0.24	-1.38e-04	0.0	3.10e-04
1509	116	-7.16	-3.76	0.16	8.43e-04	0.0	-5.65e-05
1509	129	4.12	7.86	0.12	-1.91e-03	0.0	-5.65e-04
1509	138	0.70	-6.14	-0.68	1.42e-03	0.0	6.70e-04
1509	148	-8.04	-4.29	0.19	9.68e-04	0.0	-5.70e-05
1509	161	4.66	8.88	0.15	-2.15e-03	0.0	-6.35e-04
1509	170	0.79	-6.98	-0.75	1.62e-03	0.0	7.64e-04
1509	180	-7.97	-4.45	0.18	1.01e-03	0.0	-4.94e-05
1509	193	4.71	9.21	0.17	-2.23e-03	0.0	-6.60e-04
1509	202	0.73	-7.17	-0.76	1.67e-03	0.0	7.83e-04
1509	212	-9.32	-5.39	0.22	1.23e-03	0.0	-4.49e-05
1509	225	5.59	11.06	0.23	-2.67e-03	0.0	-7.88e-04
1509	234	0.84	-8.57	-0.87	2.00e-03	0.0	9.39e-04
1509	264	-0.45	0.29	-0.11	-1.19e-04	0.0	-4.27e-05
1509	276	-0.04	0.72	-0.11	-2.18e-04	0.0	-9.18e-04
1509	280	-0.05	0.12	-0.17	-9.68e-05	0.0	2.04e-04
1509	298	-0.04	0.22	-0.14	-1.04e-04	0.0	-4.50e-05
1509	305	-0.12	0.22	-0.13	-9.95e-05	0.0	-4.13e-05
1509	307	-0.04	0.30	-0.13	-1.19e-04	0.0	-2.16e-04
1509	310	-0.04	0.20	-0.13	-9.78e-05	0.0	-4.27e-05
1510	44	-2.65	0.51	-0.59	0.0	1.16e-04	1.13e-03
1510	52	-0.16	0.97	-0.73	0.0	-5.70e-05	3.28e-05
1510	68	-0.13	1.22	-0.67	0.0	-4.68e-05	2.68e-05
1510	116	-8.62	-4.24	0.07	0.0	-1.27e-03	3.17e-04
1510	129	4.67	8.93	-1.16	0.0	6.80e-04	3.73e-05

1510	148	-9.67	-4.84	0.13	0.0	-1.42e-03	3.53e-04
1510	161	5.28	10.09	-1.26	0.0	7.71e-04	4.02e-05
1510	180	-9.57	-5.02	0.15	0.0	-1.41e-03	3.45e-04
1510	193	5.33	10.46	-1.29	0.0	7.79e-04	4.35e-05
1510	212	-11.19	-6.09	0.25	0.0	-1.64e-03	3.98e-04
1510	225	6.33	12.56	-1.48	0.0	9.31e-04	5.03e-05
1510	264	-1.77	0.35	-0.41	0.0	7.56e-05	7.56e-04
1510	268	-0.11	0.66	-0.51	0.0	-3.97e-05	2.29e-05
1510	276	-0.09	0.83	-0.47	0.0	-3.28e-05	1.89e-05
1510	298	-0.10	0.27	-0.39	0.0	-3.52e-05	1.99e-05
1510	305	-0.43	0.27	-0.37	0.0	-1.10e-05	1.66e-04
1510	307	-0.09	0.36	-0.38	0.0	-3.27e-05	1.85e-05
1510	310	-0.09	0.25	-0.37	0.0	-3.34e-05	1.89e-05
1511	44	-2.07	0.51	-0.47	0.0	5.87e-05	1.13e-03
1511	52	-0.14	0.97	-0.57	0.0	-5.92e-05	3.33e-05
1511	68	-0.11	1.23	-0.51	0.0	-4.83e-05	2.73e-05
1511	116	-8.44	-4.25	-0.09	0.0	-1.37e-03	3.33e-04
1511	129	4.66	8.93	-0.56	0.0	7.41e-04	3.06e-05
1511	148	-9.48	-4.84	-0.06	0.0	-1.53e-03	3.71e-04
1511	161	5.27	10.09	-0.59	0.0	8.40e-04	3.26e-05
1511	180	-9.38	-5.02	-0.06	0.0	-1.52e-03	3.63e-04
1511	193	5.32	10.47	-0.60	0.0	8.50e-04	3.56e-05
1511	212	-10.97	-6.09	-0.01	0.0	-1.77e-03	4.18e-04
1511	225	6.32	12.56	-0.66	0.0	1.02e-03	4.09e-05
1511	264	-1.39	0.35	-0.33	0.0	3.74e-05	7.57e-04
1511	268	-0.10	0.66	-0.40	0.0	-4.11e-05	2.33e-05
1511	276	-0.08	0.83	-0.36	0.0	-3.39e-05	1.92e-05
1511	298	-0.09	0.27	-0.32	0.0	-3.66e-05	2.03e-05
1511	305	-0.34	0.27	-0.30	0.0	-1.96e-05	1.66e-04
1511	307	-0.08	0.36	-0.31	0.0	-3.39e-05	1.88e-05
1511	310	-0.08	0.25	-0.31	0.0	-3.47e-05	1.93e-05
1512	44	-2.40	0.61	-0.64	0.0	6.27e-04	9.44e-04
1512	52	-0.18	1.13	-0.80	0.0	-5.62e-05	2.71e-05
1512	68	-0.15	1.40	-0.73	0.0	-4.61e-05	2.24e-05
1512	116	-9.19	-4.73	0.08	0.0	-1.16e-03	1.60e-04
1512	129	4.98	10.02	-1.25	0.0	6.28e-04	1.22e-04
1512	148	-10.31	-5.40	0.14	0.0	-1.30e-03	1.76e-04
1512	161	5.63	11.32	-1.36	0.0	7.13e-04	1.37e-04
1512	180	-10.21	-5.60	0.16	0.0	-1.29e-03	1.69e-04
1512	193	5.68	11.74	-1.40	0.0	7.21e-04	1.42e-04
1512	212	-11.93	-6.79	0.27	0.0	-1.51e-03	1.91e-04
1512	225	6.75	14.08	-1.60	0.0	8.62e-04	1.69e-04
1512	264	-1.60	0.42	-0.45	0.0	4.16e-04	6.30e-04
1512	268	-0.13	0.77	-0.55	0.0	-3.91e-05	1.90e-05
1512	276	-0.11	0.95	-0.51	0.0	-3.23e-05	1.58e-05
1512	298	-0.11	0.33	-0.43	0.0	-3.46e-05	1.64e-05
1512	305	-0.40	0.32	-0.41	0.0	5.76e-05	1.38e-04
1512	307	-0.10	0.43	-0.42	0.0	-3.21e-05	1.52e-05
1512	310	-0.11	0.31	-0.41	0.0	-3.28e-05	1.55e-05
1513	44	-1.92	0.61	-0.50	0.0	4.18e-04	9.31e-04
1513	52	-0.17	1.13	-0.60	0.0	-6.07e-05	2.70e-05
1513	68	-0.14	1.40	-0.54	0.0	-4.96e-05	2.23e-05
1513	116	-9.11	-4.73	-0.09	0.0	-1.32e-03	1.44e-04
1513	129	5.02	10.04	-0.58	0.0	7.18e-04	1.31e-04
1513	148	-10.22	-5.40	-0.06	0.0	-1.47e-03	1.59e-04
1513	161	5.68	11.33	-0.62	0.0	8.14e-04	1.47e-04
1513	180	-10.12	-5.60	-0.06	0.0	-1.46e-03	1.51e-04
1513	193	5.73	11.75	-0.63	0.0	8.24e-04	1.53e-04
1513	212	-11.83	-6.80	-0.01	0.0	-1.70e-03	1.71e-04
1513	225	6.82	14.10	-0.69	0.0	9.85e-04	1.82e-04
1513	264	-1.29	0.42	-0.35	0.0	2.77e-04	6.22e-04
1513	268	-0.12	0.77	-0.42	0.0	-4.22e-05	1.89e-05
1513	276	-0.10	0.95	-0.38	0.0	-3.48e-05	1.57e-05
1513	298	-0.10	0.33	-0.34	0.0	-3.75e-05	1.63e-05
1513	305	-0.33	0.33	-0.32	0.0	2.75e-05	1.36e-04
1513	307	-0.10	0.43	-0.33	0.0	-3.48e-05	1.52e-05
1513	310	-0.10	0.31	-0.32	0.0	-3.56e-05	1.55e-05
1514	4	0.28	0.45	-0.41	0.0	-7.28e-05	-3.20e-04
1514	44	-1.46	0.51	-0.33	0.0	-4.04e-05	1.22e-03
1514	68	-0.10	1.23	-0.34	0.0	-5.13e-05	2.81e-05
1514	116	-8.26	-4.25	-0.03	0.0	-1.54e-03	3.39e-04
1514	118	6.96	-0.02	-0.47	0.0	1.24e-03	-3.50e-04
1514	129	4.65	8.94	-0.23	0.0	8.48e-04	2.88e-05
1514	148	-9.27	-4.84	-3.67e-03	0.0	-1.72e-03	3.78e-04
1514	150	7.83	-0.05	-0.50	0.0	1.40e-03	-3.95e-04

1514	161	5.25	10.09	-0.23	0.0	9.62e-04	3.05e-05
1514	180	-9.18	-5.02	-8.65e-03	0.0	-1.71e-03	3.70e-04
1514	182	7.70	-0.05	-0.50	0.0	1.37e-03	-3.86e-04
1514	193	5.30	10.47	-0.22	0.0	9.73e-04	3.36e-05
1514	212	-10.74	-6.09	0.03	0.0	-1.99e-03	4.26e-04
1514	214	9.00	-0.09	-0.54	0.0	1.61e-03	-4.53e-04
1514	225	6.31	12.56	-0.22	0.0	1.16e-03	3.83e-05
1514	244	0.18	0.31	-0.29	0.0	-5.03e-05	-2.12e-04
1514	264	-0.98	0.35	-0.23	0.0	-2.87e-05	8.16e-04
1514	276	-0.07	0.83	-0.24	0.0	-3.60e-05	1.99e-05
1514	298	-0.07	0.27	-0.24	0.0	-3.91e-05	2.11e-05
1514	305	-0.25	0.27	-0.22	0.0	-3.47e-05	1.79e-04
1514	307	-0.07	0.36	-0.22	0.0	-3.62e-05	1.95e-05
1514	310	-0.07	0.25	-0.23	0.0	-3.71e-05	2.00e-05
1515	4	0.22	0.56	-0.43	0.0	-1.35e-04	-2.64e-04
1515	44	-1.43	0.61	-0.35	0.0	1.49e-04	9.95e-04
1515	68	-0.13	1.40	-0.36	0.0	-5.45e-05	2.14e-05
1515	116	-9.04	-4.73	-0.03	0.0	-1.53e-03	1.12e-04
1515	118	7.59	9.01e-03	-0.49	0.0	1.23e-03	-1.57e-04
1515	129	5.08	10.04	-0.24	0.0	8.45e-04	1.49e-04
1515	148	-10.15	-5.40	-4.51e-03	0.0	-1.72e-03	1.23e-04
1515	150	8.54	-0.03	-0.53	0.0	1.38e-03	-1.78e-04
1515	161	5.74	11.34	-0.24	0.0	9.59e-04	1.67e-04
1515	180	-10.05	-5.60	-9.64e-03	0.0	-1.70e-03	1.15e-04
1515	182	8.40	-0.03	-0.52	0.0	1.36e-03	-1.71e-04
1515	193	5.80	11.76	-0.24	0.0	9.70e-04	1.74e-04
1515	212	-11.76	-6.80	0.03	0.0	-1.98e-03	1.29e-04
1515	214	9.82	-0.07	-0.57	0.0	1.59e-03	-2.01e-04
1515	225	6.90	14.11	-0.24	0.0	1.16e-03	2.07e-04
1515	244	0.14	0.39	-0.31	0.0	-9.19e-05	-1.75e-04
1515	264	-0.96	0.42	-0.25	0.0	9.76e-05	6.64e-04
1515	276	-0.09	0.95	-0.26	0.0	-3.83e-05	1.52e-05
1515	298	-0.10	0.33	-0.25	0.0	-4.15e-05	1.58e-05
1515	305	-0.26	0.33	-0.23	0.0	-1.13e-05	1.45e-04
1515	307	-0.09	0.43	-0.24	0.0	-3.84e-05	1.47e-05
1515	310	-0.09	0.31	-0.24	0.0	-3.94e-05	1.51e-05
1516	44	-0.77	0.51	-0.16	-1.96e-04	0.0	-6.86e-05
1516	68	-0.08	1.23	-0.15	-3.07e-04	0.0	-1.34e-03
1516	76	-0.11	0.23	-0.25	-1.78e-04	0.0	2.85e-04
1516	116	-8.07	-4.25	0.16	9.04e-04	0.0	-1.21e-04
1516	129	4.63	8.94	0.12	-2.07e-03	0.0	-3.26e-04
1516	138	0.77	-6.95	-0.70	1.53e-03	0.0	4.23e-04
1516	148	-9.07	-4.84	0.20	1.04e-03	0.0	-1.29e-04
1516	161	5.24	10.09	0.16	-2.33e-03	0.0	-3.63e-04
1516	170	0.86	-7.90	-0.78	1.75e-03	0.0	4.84e-04
1516	180	-8.98	-5.02	0.18	1.08e-03	0.0	-1.21e-04
1516	193	5.29	10.47	0.18	-2.42e-03	0.0	-3.77e-04
1516	202	0.80	-8.12	-0.78	1.80e-03	0.0	4.95e-04
1516	212	-10.51	-6.09	0.23	1.32e-03	0.0	-1.28e-04
1516	225	6.29	12.57	0.25	-2.89e-03	0.0	-4.46e-04
1516	234	0.92	-9.71	-0.90	2.16e-03	0.0	5.97e-04
1516	264	-0.52	0.35	-0.12	-1.37e-04	0.0	-4.82e-05
1516	276	-0.06	0.83	-0.11	-2.10e-04	0.0	-8.98e-04
1516	280	-0.08	0.17	-0.18	-1.24e-04	0.0	1.87e-04
1516	298	-0.06	0.27	-0.14	-1.20e-04	0.0	-5.21e-05
1516	305	-0.15	0.27	-0.13	-1.14e-04	0.0	-4.76e-05
1516	307	-0.06	0.36	-0.13	-1.29e-04	0.0	-2.18e-04
1516	310	-0.06	0.25	-0.14	-1.13e-04	0.0	-4.93e-05
1517	44	-0.86	0.61	-0.17	-2.27e-04	0.0	-6.85e-05
1517	68	-0.12	1.41	-0.16	-2.96e-04	0.0	-1.10e-03
1517	76	-0.15	0.32	-0.26	-2.26e-04	0.0	2.09e-04
1517	116	-9.00	-4.73	0.16	8.90e-04	0.0	-2.05e-04
1517	129	5.15	10.04	0.12	-2.10e-03	0.0	-8.85e-05
1517	138	0.83	-7.77	-0.71	1.52e-03	0.0	1.87e-04
1517	148	-10.11	-5.40	0.19	1.03e-03	0.0	-2.24e-04
1517	161	5.82	11.34	0.16	-2.36e-03	0.0	-9.29e-05
1517	170	0.93	-8.84	-0.79	1.74e-03	0.0	2.17e-04
1517	180	-10.02	-5.60	0.18	1.07e-03	0.0	-2.20e-04
1517	193	5.89	11.76	0.18	-2.45e-03	0.0	-9.00e-05
1517	202	0.86	-9.08	-0.80	1.79e-03	0.0	2.19e-04
1517	212	-11.72	-6.80	0.22	1.31e-03	0.0	-2.47e-04
1517	225	7.00	14.11	0.25	-2.92e-03	0.0	-9.75e-05
1517	234	0.99	-10.86	-0.92	2.15e-03	0.0	2.67e-04
1517	264	-0.58	0.42	-0.12	-1.58e-04	0.0	-4.81e-05
1517	276	-0.08	0.95	-0.12	-2.04e-04	0.0	-7.36e-04

1517	280	-0.11	0.23	-0.18	-1.57e-04	0.0	1.37e-04
1517	298	-0.09	0.33	-0.15	-1.40e-04	0.0	-5.37e-05
1517	305	-0.18	0.33	-0.13	-1.33e-04	0.0	-4.87e-05
1517	307	-0.08	0.43	-0.13	-1.43e-04	0.0	-1.86e-04
1517	310	-0.08	0.31	-0.14	-1.32e-04	0.0	-5.06e-05
1518	44	-1.86	0.70	-0.72	0.0	1.01e-03	5.72e-04
1518	52	-0.21	1.27	-0.89	0.0	-5.61e-05	2.01e-05
1518	68	-0.17	1.56	-0.80	0.0	-4.60e-05	1.68e-05
1518	116	-9.72	-5.27	0.05	0.0	-1.11e-03	2.77e-05
1518	129	5.27	11.21	-1.32	0.0	6.01e-04	2.13e-04
1518	148	-10.91	-6.01	0.11	0.0	-1.24e-03	2.86e-05
1518	161	5.96	12.65	-1.44	0.0	6.82e-04	2.40e-04
1518	180	-10.80	-6.24	0.13	0.0	-1.23e-03	2.06e-05
1518	193	6.01	13.12	-1.48	0.0	6.91e-04	2.48e-04
1518	212	-12.62	-7.57	0.25	0.0	-1.43e-03	1.91e-05
1518	225	7.15	15.74	-1.69	0.0	8.26e-04	2.97e-04
1518	264	-1.25	0.48	-0.50	0.0	6.73e-04	3.82e-04
1518	268	-0.15	0.86	-0.62	0.0	-3.90e-05	1.40e-05
1518	276	-0.12	1.06	-0.56	0.0	-3.23e-05	1.18e-05
1518	298	-0.13	0.38	-0.48	0.0	-3.45e-05	1.18e-05
1518	305	-0.35	0.37	-0.45	0.0	1.09e-04	8.51e-05
1518	307	-0.12	0.49	-0.47	0.0	-3.20e-05	1.11e-05
1518	310	-0.12	0.36	-0.46	0.0	-3.27e-05	1.12e-05
1519	44	-1.58	0.73	-0.54	0.0	6.94e-04	5.62e-04
1519	52	-0.20	1.31	-0.65	0.0	-6.18e-05	1.97e-05
1519	68	-0.16	1.59	-0.58	0.0	-5.04e-05	1.65e-05
1519	116	-9.74	-5.22	-0.11	0.0	-1.28e-03	2.96e-05
1519	129	5.38	11.17	-0.62	0.0	7.00e-04	2.17e-04
1519	148	-10.94	-5.96	-0.08	0.0	-1.43e-03	3.08e-05
1519	161	6.08	12.61	-0.66	0.0	7.94e-04	2.45e-04
1519	180	-10.83	-6.18	-0.08	0.0	-1.42e-03	2.32e-05
1519	193	6.14	13.08	-0.67	0.0	8.04e-04	2.53e-04
1519	212	-12.66	-7.51	-0.03	0.0	-1.65e-03	2.24e-05
1519	225	7.30	15.68	-0.73	0.0	9.62e-04	3.03e-04
1519	264	-1.06	0.51	-0.38	0.0	4.61e-04	3.75e-04
1519	268	-0.14	0.89	-0.46	0.0	-4.30e-05	1.38e-05
1519	276	-0.11	1.08	-0.41	0.0	-3.54e-05	1.16e-05
1519	298	-0.12	0.40	-0.37	0.0	-3.82e-05	1.16e-05
1519	305	-0.30	0.40	-0.35	0.0	6.39e-05	8.35e-05
1519	307	-0.11	0.51	-0.35	0.0	-3.54e-05	1.09e-05
1519	310	-0.12	0.38	-0.35	0.0	-3.63e-05	1.10e-05
1520	44	-1.07	0.90	-0.85	-3.92e-04	-1.58e-03	2.05e-05
1520	52	-0.24	1.54	-1.04	-5.19e-04	-8.26e-05	1.32e-05
1520	68	-0.19	1.82	-0.94	-4.91e-04	-7.00e-05	1.17e-05
1520	116	-10.23	-5.53	-0.02	3.79e-04	-1.10e-03	-3.01e-04
1520	129	5.55	12.07	-1.42	-1.43e-03	5.55e-04	3.71e-04
1520	148	-11.48	-6.33	0.05	4.61e-04	-1.23e-03	-3.40e-04
1520	161	6.28	13.62	-1.54	-1.59e-03	6.32e-04	4.18e-04
1520	180	-11.37	-6.57	0.07	4.85e-04	-1.21e-03	-3.39e-04
1520	193	6.34	14.12	-1.57	-1.64e-03	6.37e-04	4.27e-04
1520	212	-13.28	-7.99	0.19	6.31e-04	-1.41e-03	-4.01e-04
1520	225	7.54	16.92	-1.78	-1.93e-03	7.64e-04	5.09e-04
1520	264	-0.72	0.62	-0.59	-2.73e-04	-1.06e-03	1.40e-05
1520	268	-0.16	1.05	-0.72	-3.57e-04	-5.77e-05	9.21e-06
1520	276	-0.14	1.23	-0.65	-3.38e-04	-4.93e-05	8.19e-06
1520	298	-0.15	0.51	-0.57	-2.54e-04	-4.96e-05	7.02e-06
1520	305	-0.25	0.50	-0.53	-2.40e-04	-2.48e-04	7.90e-06
1520	307	-0.14	0.62	-0.55	-2.53e-04	-4.65e-05	6.73e-06
1520	310	-0.14	0.48	-0.54	-2.39e-04	-4.75e-05	6.58e-06
1521	44	-1.05	0.90	-0.62	0.0	-1.20e-03	1.63e-04
1521	52	-0.23	1.54	-0.74	0.0	-9.02e-05	1.10e-05
1521	68	-0.19	1.81	-0.66	0.0	-7.66e-05	9.39e-06
1521	116	-10.37	-5.53	-0.15	0.0	-1.06e-03	-2.86e-04
1521	129	5.72	12.07	-0.67	0.0	5.43e-04	3.57e-04
1521	148	-11.64	-6.33	-0.12	0.0	-1.19e-03	-3.23e-04
1521	161	6.47	13.62	-0.70	0.0	6.19e-04	4.03e-04
1521	180	-11.52	-6.57	-0.12	0.0	-1.17e-03	-3.22e-04
1521	193	6.53	14.12	-0.71	0.0	6.26e-04	4.11e-04
1521	212	-13.47	-8.00	-0.07	0.0	-1.37e-03	-3.81e-04
1521	225	7.78	16.92	-0.78	0.0	7.52e-04	4.90e-04
1521	264	-0.71	0.62	-0.44	0.0	-8.04e-04	1.09e-04
1521	268	-0.16	1.05	-0.52	0.0	-6.29e-05	7.67e-06
1521	276	-0.13	1.23	-0.46	0.0	-5.39e-05	6.59e-06
1521	298	-0.14	0.51	-0.42	0.0	-5.38e-05	6.05e-06
1521	305	-0.25	0.50	-0.40	0.0	-2.00e-04	2.62e-05

1521	307	-0.13	0.62	-0.40	0.0	-5.05e-05	5.71e-06
1521	310	-0.14	0.48	-0.40	0.0	-5.15e-05	5.65e-06
1522	4	0.13	0.69	-0.47	0.0	-1.84e-04	-1.58e-04
1522	44	-1.29	0.74	-0.37	0.0	3.04e-04	6.03e-04
1522	68	-0.15	1.59	-0.39	0.0	-5.59e-05	1.47e-05
1522	116	-9.79	-5.20	-0.04	0.0	-1.49e-03	-1.97e-04
1522	118	8.19	0.05	-0.52	0.0	1.19e-03	1.07e-04
1522	129	5.50	11.14	-0.26	0.0	8.26e-04	3.07e-04
1522	148	-10.99	-5.94	-0.01	0.0	-1.67e-03	-2.23e-04
1522	150	9.21	6.00e-03	-0.56	0.0	1.34e-03	1.18e-04
1522	161	6.21	12.58	-0.26	0.0	9.37e-04	3.46e-04
1522	180	-10.89	-6.16	-0.02	0.0	-1.66e-03	-2.22e-04
1522	182	9.07	7.29e-03	-0.55	0.0	1.32e-03	1.15e-04
1522	193	6.28	13.04	-0.26	0.0	9.49e-04	3.53e-04
1522	212	-12.73	-7.48	0.02	0.0	-1.94e-03	-2.64e-04
1522	214	10.59	-0.04	-0.60	0.0	1.55e-03	1.32e-04
1522	225	7.47	15.64	-0.26	0.0	1.13e-03	4.21e-04
1522	244	0.08	0.48	-0.33	0.0	-1.24e-04	-1.05e-04
1522	264	-0.87	0.51	-0.27	0.0	2.01e-04	4.03e-04
1522	276	-0.11	1.08	-0.28	0.0	-3.92e-05	1.04e-05
1522	298	-0.12	0.41	-0.27	0.0	-4.26e-05	1.04e-05
1522	305	-0.26	0.40	-0.25	0.0	8.53e-06	8.82e-05
1522	307	-0.11	0.51	-0.25	0.0	-3.95e-05	9.71e-06
1522	310	-0.11	0.38	-0.26	0.0	-4.05e-05	9.83e-06
1523	4	0.01	0.88	-0.52	0.0	8.94e-05	-4.25e-05
1523	44	-1.04	0.90	-0.42	0.0	-7.33e-04	1.90e-04
1523	68	-0.18	1.81	-0.43	0.0	-8.37e-05	9.61e-06
1523	116	-10.50	-5.53	-0.06	0.0	-1.01e-03	-2.80e-04
1523	118	8.76	0.12	-0.55	0.0	7.43e-04	1.71e-04
1523	129	5.89	12.07	-0.29	0.0	5.26e-04	3.50e-04
1523	148	-11.79	-6.33	-0.03	0.0	-1.13e-03	-3.16e-04
1523	150	9.85	0.07	-0.59	0.0	8.41e-04	1.92e-04
1523	161	6.66	13.62	-0.29	0.0	6.00e-04	3.95e-04
1523	180	-11.68	-6.57	-0.04	0.0	-1.12e-03	-3.15e-04
1523	182	9.69	0.07	-0.58	0.0	8.25e-04	1.88e-04
1523	193	6.73	14.12	-0.29	0.0	6.08e-04	4.02e-04
1523	212	-13.65	-8.00	1.19e-03	0.0	-1.30e-03	-3.72e-04
1523	214	11.33	0.02	-0.63	0.0	9.71e-04	2.19e-04
1523	225	8.01	16.92	-0.29	0.0	7.33e-04	4.80e-04
1523	244	1.89e-03	0.61	-0.36	0.0	5.65e-05	-2.80e-05
1523	264	-0.70	0.62	-0.30	0.0	-4.92e-04	1.27e-04
1523	276	-0.13	1.23	-0.31	0.0	-5.88e-05	6.76e-06
1523	298	-0.14	0.51	-0.30	0.0	-5.84e-05	6.55e-06
1523	305	-0.24	0.50	-0.28	0.0	-1.41e-04	3.02e-05
1523	307	-0.13	0.62	-0.28	0.0	-5.48e-05	6.12e-06
1523	310	-0.13	0.48	-0.28	0.0	-5.58e-05	6.13e-06
1524	44	-0.95	0.74	-0.18	-2.57e-04	0.0	-4.71e-05
1524	68	-0.15	1.60	-0.18	-2.97e-04	0.0	-6.63e-04
1524	76	-0.20	0.44	-0.27	-2.72e-04	0.0	1.08e-04
1524	116	-9.90	-5.19	0.14	8.16e-04	0.0	-3.32e-04
1524	129	5.65	11.13	0.11	-2.02e-03	0.0	2.62e-04
1524	138	0.88	-8.55	-0.72	1.42e-03	0.0	1.15e-04
1524	148	-11.12	-5.93	0.18	9.45e-04	0.0	-3.69e-04
1524	161	6.39	12.57	0.15	-2.26e-03	0.0	3.00e-04
1524	170	1.00	-9.73	-0.79	1.62e-03	0.0	1.34e-04
1524	180	-11.01	-6.15	0.16	9.84e-04	0.0	-3.67e-04
1524	193	6.46	13.03	0.17	-2.34e-03	0.0	3.05e-04
1524	202	0.92	-10.00	-0.80	1.67e-03	0.0	1.31e-04
1524	212	-12.88	-7.47	0.21	1.21e-03	0.0	-4.25e-04
1524	225	7.69	15.63	0.24	-2.79e-03	0.0	3.71e-04
1524	234	1.06	-11.97	-0.92	2.01e-03	0.0	1.60e-04
1524	264	-0.64	0.51	-0.13	-1.79e-04	0.0	-3.31e-05
1524	276	-0.10	1.08	-0.13	-2.05e-04	0.0	-4.44e-04
1524	280	-0.14	0.31	-0.19	-1.89e-04	0.0	7.02e-05
1524	298	-0.11	0.41	-0.16	-1.61e-04	0.0	-4.07e-05
1524	305	-0.21	0.40	-0.14	-1.53e-04	0.0	-3.63e-05
1524	307	-0.10	0.51	-0.14	-1.58e-04	0.0	-1.18e-04
1524	310	-0.11	0.38	-0.15	-1.51e-04	0.0	-3.82e-05
1525	44	-1.03	0.90	-0.21	-2.95e-04	0.0	1.64e-05
1525	68	-0.18	1.81	-0.20	-4.99e-04	0.0	-1.61e-04
1525	76	-0.24	0.60	-0.30	-2.76e-04	0.0	5.26e-05
1525	116	-10.63	-5.53	0.12	4.33e-04	0.0	-3.07e-04
1525	129	6.05	12.07	0.10	-1.35e-03	0.0	3.31e-04
1525	138	0.93	-9.17	-0.72	8.14e-04	0.0	-2.10e-05
1525	148	-11.94	-6.33	0.16	5.14e-04	0.0	-3.46e-04

1525	161	6.85	13.62	0.13	-1.51e-03	0.0	3.73e-04
1525	170	1.05	-10.44	-0.79	9.44e-04	0.0	-2.39e-05
1525	180	-11.83	-6.57	0.14	5.38e-04	0.0	-3.43e-04
1525	193	6.92	14.12	0.15	-1.56e-03	0.0	3.78e-04
1525	202	0.97	-10.74	-0.80	9.74e-04	0.0	-2.25e-05
1525	212	-13.83	-8.00	0.18	6.83e-04	0.0	-4.05e-04
1525	225	8.24	16.92	0.22	-1.84e-03	0.0	4.51e-04
1525	234	1.11	-12.86	-0.92	1.19e-03	0.0	-2.66e-05
1525	264	-0.69	0.62	-0.15	-2.05e-04	0.0	1.10e-05
1525	276	-0.12	1.23	-0.15	-3.42e-04	0.0	-1.07e-04
1525	280	-0.16	0.42	-0.21	-1.93e-04	0.0	3.52e-05
1525	298	-0.13	0.51	-0.17	-1.89e-04	0.0	1.93e-06
1525	305	-0.24	0.50	-0.16	-1.79e-04	0.0	3.57e-06
1525	307	-0.13	0.62	-0.16	-2.06e-04	0.0	-2.01e-05
1525	310	-0.13	0.48	-0.16	-1.78e-04	0.0	1.73e-06
1526	43	-0.52	0.27	-0.12	-1.50e-04	7.68e-06	-1.40e-05
1526	68	-0.02	1.17	-0.12	-7.29e-04	1.59e-04	-6.24e-04
1526	76	-0.02	-0.05	-0.17	0.0	-3.60e-05	1.49e-04
1526	116	-5.78	-3.15	-0.06	6.38e-04	5.25e-04	-3.90e-05
1526	129	3.35	6.46	0.06	-1.50e-03	-9.82e-04	-3.02e-04
1526	138	0.60	-5.17	-0.33	1.09e-03	8.14e-04	4.17e-04
1526	148	-6.50	-3.58	-0.05	7.34e-04	5.94e-04	-4.11e-05
1526	161	3.78	7.31	0.09	-1.69e-03	-1.11e-03	-3.41e-04
1526	170	0.67	-5.86	-0.36	1.25e-03	9.20e-04	4.74e-04
1526	180	-6.43	-3.71	-0.06	7.63e-04	6.15e-04	-3.59e-05
1526	193	3.82	7.58	0.10	-1.75e-03	-1.15e-03	-3.55e-04
1526	202	0.62	-6.02	-0.37	1.29e-03	9.45e-04	4.85e-04
1526	212	-7.53	-4.49	-0.05	9.36e-04	7.38e-04	-3.57e-05
1526	225	4.53	9.11	0.14	-2.09e-03	-1.39e-03	-4.25e-04
1526	234	0.71	-7.19	-0.42	1.55e-03	1.12e-03	5.80e-04
1526	263	-0.35	0.19	-0.09	-1.04e-04	5.37e-06	-1.02e-05
1526	276	-0.01	0.78	-0.09	-4.91e-04	1.06e-04	-4.17e-04
1526	280	-0.02	-0.03	-0.12	-4.27e-06	-2.37e-05	9.87e-05
1526	298	-0.01	0.13	-0.10	-9.74e-05	5.04e-06	-1.63e-05
1526	305	-0.08	0.14	-0.10	-9.30e-05	4.85e-06	-1.43e-05
1526	307	-0.01	0.25	-0.09	-1.69e-04	2.49e-05	-9.52e-05
1526	310	-0.01	0.12	-0.10	-9.16e-05	4.78e-06	-1.55e-05
1527	43	-0.57	0.35	-0.14	-1.57e-04	1.63e-05	-3.34e-05
1527	68	-0.03	1.54	-0.13	-5.79e-04	3.13e-04	-1.05e-03
1527	76	-0.04	-0.05	-0.19	-5.62e-05	-6.70e-05	2.45e-04
1527	116	-6.27	-3.50	-0.06	7.01e-04	8.54e-06	3.43e-04
1527	129	3.62	7.29	0.07	-1.64e-03	6.28e-04	-7.09e-04
1527	138	0.64	-5.77	-0.36	1.20e-03	-7.46e-04	6.12e-04
1527	148	-7.04	-3.99	-0.06	8.06e-04	6.82e-06	3.92e-04
1527	161	4.09	8.24	0.09	-1.84e-03	7.11e-04	-7.99e-04
1527	170	0.72	-6.55	-0.40	1.37e-03	-8.45e-04	6.97e-04
1527	180	-6.98	-4.13	-0.06	8.38e-04	-1.43e-06	4.02e-04
1527	193	4.13	8.54	0.10	-1.91e-03	7.40e-04	-8.26e-04
1527	202	0.67	-6.73	-0.40	1.41e-03	-8.66e-04	7.17e-04
1527	212	-8.17	-5.01	-0.06	1.03e-03	-9.67e-06	4.85e-04
1527	225	4.91	10.26	0.15	-2.28e-03	8.91e-04	-9.89e-04
1527	234	0.76	-8.04	-0.46	1.70e-03	-1.03e-03	8.59e-04
1527	263	-0.38	0.24	-0.10	-1.09e-04	1.15e-05	-2.38e-05
1527	276	-0.02	1.04	-0.10	-3.90e-04	2.09e-04	-6.99e-04
1527	280	-0.02	-0.02	-0.14	-4.23e-05	-4.41e-05	1.62e-04
1527	298	-0.02	0.19	-0.11	-1.02e-04	1.19e-05	-3.00e-05
1527	305	-0.09	0.19	-0.11	-9.77e-05	1.12e-05	-2.73e-05
1527	307	-0.02	0.34	-0.10	-1.53e-04	5.05e-05	-1.62e-04
1527	310	-0.02	0.17	-0.11	-9.63e-05	1.12e-05	-2.85e-05
1528	44	-0.67	0.46	-0.16	-1.80e-04	9.44e-06	-5.62e-05
1528	68	-0.05	1.81	-0.14	-3.88e-04	8.80e-05	-1.28e-03
1528	76	-0.07	-3.10e-03	-0.20	-1.32e-04	-1.05e-05	2.86e-04
1528	116	-7.16	-3.90	-0.07	7.62e-04	5.20e-04	-6.17e-05
1528	129	4.12	8.20	0.08	-1.78e-03	-9.05e-04	-5.15e-04
1528	138	0.71	-6.45	-0.39	1.31e-03	6.76e-04	6.24e-04
1528	148	-8.04	-4.44	-0.07	8.77e-04	5.87e-04	-6.31e-05
1528	161	4.66	9.27	0.10	-2.00e-03	-1.03e-03	-5.78e-04
1528	170	0.79	-7.32	-0.42	1.50e-03	7.64e-04	7.11e-04
1528	180	-7.97	-4.61	-0.07	9.12e-04	6.05e-04	-5.55e-05
1528	193	4.71	9.61	0.11	-2.07e-03	-1.06e-03	-6.01e-04
1528	202	0.74	-7.53	-0.43	1.54e-03	7.85e-04	7.29e-04
1528	212	-9.32	-5.58	-0.07	1.12e-03	7.24e-04	-5.26e-05
1528	225	5.59	11.54	0.16	-2.48e-03	-1.28e-03	-7.18e-04
1528	234	0.84	-8.99	-0.49	1.85e-03	9.33e-04	8.74e-04
1528	264	-0.45	0.31	-0.12	-1.25e-04	6.59e-06	-3.96e-05

1528	276	-0.04	1.22	-0.10	-2.64e-04	5.89e-05	-8.53e-04
1528	280	-0.05	8.58e-03	-0.14	-9.30e-05	-6.71e-06	1.89e-04
1528	298	-0.04	0.24	-0.12	-1.10e-04	7.21e-06	-4.24e-05
1528	305	-0.12	0.24	-0.11	-1.05e-04	6.60e-06	-3.88e-05
1528	307	-0.04	0.42	-0.11	-1.33e-04	1.71e-05	-2.02e-04
1528	310	-0.04	0.23	-0.12	-1.04e-04	6.76e-06	-4.02e-05
1529	43	-0.51	0.28	-0.14	-1.68e-04	-7.14e-06	-1.13e-05
1529	68	-0.02	1.45	-0.11	-1.12e-03	-3.05e-05	-4.93e-04
1529	76	-0.02	-0.12	-0.15	8.92e-05	-2.16e-06	1.14e-04
1529	116	-5.78	-3.21	-0.26	7.69e-04	9.67e-06	-6.22e-05
1529	129	3.35	6.61	0.12	-1.80e-03	-4.97e-04	-1.80e-04
1529	132	-3.37	-6.35	-0.30	1.59e-03	4.88e-04	1.52e-04
1529	148	-6.49	-3.65	-0.29	8.84e-04	1.25e-05	-6.74e-05
1529	161	3.78	7.48	0.14	-2.02e-03	-5.62e-04	-2.02e-04
1529	164	-3.80	-7.21	-0.32	1.82e-03	5.53e-04	1.74e-04
1529	180	-6.43	-3.78	-0.29	9.19e-04	1.87e-05	-6.26e-05
1529	193	3.82	7.76	0.15	-2.10e-03	-5.80e-04	-2.10e-04
1529	196	-3.84	-7.49	-0.33	1.89e-03	5.70e-04	1.82e-04
1529	212	-7.53	-4.58	-0.32	1.12e-03	2.72e-05	-6.79e-05
1529	225	4.53	9.32	0.20	-2.51e-03	-6.98e-04	-2.51e-04
1529	228	-4.56	-9.05	-0.38	2.30e-03	6.88e-04	2.23e-04
1529	263	-0.34	0.19	-0.10	-1.17e-04	-5.02e-06	-8.31e-06
1529	276	-0.01	0.97	-0.08	-7.55e-04	-2.06e-05	-3.30e-04
1529	280	-0.02	-0.07	-0.11	5.43e-05	-1.70e-06	7.51e-05
1529	298	-0.01	0.14	-0.09	-1.10e-04	-4.96e-06	-1.48e-05
1529	305	-0.08	0.14	-0.09	-1.05e-04	-4.72e-06	-1.28e-05
1529	307	-0.01	0.30	-0.09	-2.31e-04	-7.73e-06	-7.67e-05
1529	310	-0.01	0.13	-0.09	-1.04e-04	-4.71e-06	-1.41e-05
1530	43	-0.56	0.37	-0.15	-1.72e-04	0.0	-2.77e-05
1530	68	-0.03	2.05	-0.13	-8.53e-04	0.0	-8.21e-04
1530	76	-0.03	-0.16	-0.17	2.51e-06	0.0	1.86e-04
1530	116	-6.21	-3.62	-0.29	7.46e-04	0.0	-5.61e-05
1530	129	3.59	7.58	0.13	-1.76e-03	0.0	-3.69e-04
1530	132	-3.63	-7.20	-0.33	1.55e-03	0.0	3.19e-04
1530	148	-6.98	-4.13	-0.31	8.59e-04	0.0	-5.90e-05
1530	161	4.05	8.56	0.16	-1.98e-03	0.0	-4.15e-04
1530	164	-4.09	-8.18	-0.36	1.77e-03	0.0	3.65e-04
1530	180	-6.91	-4.28	-0.32	8.92e-04	0.0	-5.24e-05
1530	193	4.10	8.88	0.16	-2.05e-03	0.0	-4.32e-04
1530	196	-4.13	-8.50	-0.37	1.84e-03	0.0	3.81e-04
1530	212	-8.09	-5.18	-0.36	1.09e-03	0.0	-5.26e-05
1530	225	4.87	10.66	0.22	-2.45e-03	0.0	-5.16e-04
1530	228	-4.90	-10.29	-0.42	2.24e-03	0.0	4.66e-04
1530	263	-0.38	0.25	-0.11	-1.20e-04	0.0	-1.98e-05
1530	276	-0.02	1.38	-0.09	-5.74e-04	0.0	-5.48e-04
1530	280	-0.02	-0.10	-0.12	-3.63e-06	0.0	1.22e-04
1530	298	-0.02	0.20	-0.10	-1.13e-04	0.0	-2.64e-05
1530	305	-0.09	0.20	-0.10	-1.08e-04	0.0	-2.37e-05
1530	307	-0.02	0.42	-0.10	-1.97e-04	0.0	-1.29e-04
1530	310	-0.02	0.19	-0.10	-1.06e-04	0.0	-2.51e-05
1531	44	-0.67	0.48	-0.17	-1.87e-04	0.0	-5.09e-05
1531	68	-0.05	2.44	-0.14	-4.78e-04	0.0	-1.15e-03
1531	76	-0.07	-0.14	-0.19	-1.17e-04	0.0	2.55e-04
1531	116	-7.16	-4.00	-0.30	7.20e-04	0.0	-7.44e-05
1531	129	4.13	8.49	0.13	-1.72e-03	0.0	-4.24e-04
1531	132	-4.20	-8.00	-0.35	1.50e-03	0.0	3.50e-04
1531	148	-8.05	-4.57	-0.33	8.30e-04	0.0	-7.78e-05
1531	161	4.66	9.59	0.16	-1.93e-03	0.0	-4.76e-04
1531	164	-4.74	-9.10	-0.38	1.71e-03	0.0	4.02e-04
1531	180	-7.97	-4.74	-0.33	8.63e-04	0.0	-7.03e-05
1531	193	4.71	9.95	0.17	-2.00e-03	0.0	-4.95e-04
1531	196	-4.79	-9.45	-0.39	1.78e-03	0.0	4.21e-04
1531	212	-9.33	-5.74	-0.37	1.06e-03	0.0	-7.08e-05
1531	225	5.60	11.93	0.23	-2.39e-03	0.0	-5.91e-04
1531	228	-5.67	-11.44	-0.45	2.17e-03	0.0	5.16e-04
1531	264	-0.45	0.33	-0.13	-1.30e-04	0.0	-3.59e-05
1531	276	-0.04	1.64	-0.10	-3.24e-04	0.0	-7.68e-04
1531	280	-0.05	-0.08	-0.13	-8.34e-05	0.0	1.68e-04
1531	298	-0.04	0.26	-0.11	-1.16e-04	0.0	-3.93e-05
1531	305	-0.12	0.26	-0.11	-1.10e-04	0.0	-3.58e-05
1531	307	-0.04	0.52	-0.11	-1.49e-04	0.0	-1.82e-04
1531	310	-0.04	0.25	-0.11	-1.09e-04	0.0	-3.72e-05
1532	43	-0.51	0.28	-0.15	-1.83e-04	1.87e-06	-7.45e-06
1532	44	-0.51	0.30	-0.15	-1.96e-04	2.10e-06	-9.56e-06
1532	68	-0.02	1.65	-0.10	-1.41e-03	1.34e-04	-3.60e-04

1532	116	-5.78	-3.24	-0.48	8.50e-04	7.47e-04	-6.14e-05
1532	129	3.35	6.70	0.22	-1.99e-03	-1.45e-03	-1.70e-04
1532	148	-6.49	-3.69	-0.53	9.78e-04	8.45e-04	-6.68e-05
1532	161	3.78	7.57	0.26	-2.24e-03	-1.64e-03	-1.92e-04
1532	180	-6.43	-3.82	-0.53	1.02e-03	8.71e-04	-6.20e-05
1532	193	3.82	7.86	0.26	-2.32e-03	-1.70e-03	-1.99e-04
1532	212	-7.53	-4.62	-0.61	1.24e-03	1.05e-03	-6.77e-05
1532	225	4.53	9.44	0.33	-2.77e-03	-2.05e-03	-2.39e-04
1532	263	-0.34	0.20	-0.10	-1.28e-04	1.31e-06	-5.58e-06
1532	264	-0.34	0.20	-0.11	-1.36e-04	1.47e-06	-6.99e-06
1532	276	-0.01	1.11	-0.08	-9.46e-04	8.91e-05	-2.41e-04
1532	305	-0.08	0.15	-0.08	-1.16e-04	1.20e-06	-1.03e-05
1532	307	-0.01	0.33	-0.08	-2.78e-04	1.87e-05	-5.70e-05
1532	310	-0.01	0.14	-0.08	-1.14e-04	1.18e-06	-1.16e-05
1533	43	-0.54	0.38	-0.17	-1.84e-04	-5.11e-06	-4.47e-06
1533	44	-0.54	0.40	-0.18	-1.96e-04	-5.72e-06	-6.28e-06
1533	68	-0.02	2.42	-0.12	-1.12e-03	-2.96e-04	-2.09e-04
1533	116	-6.10	-3.68	-0.57	7.97e-04	2.45e-04	-1.04e-04
1533	129	3.54	7.74	0.26	-1.89e-03	-4.85e-04	-9.56e-05
1533	148	-6.86	-4.20	-0.63	9.18e-04	2.78e-04	-1.15e-04
1533	161	3.99	8.75	0.31	-2.12e-03	-5.49e-04	-1.07e-04
1533	180	-6.79	-4.35	-0.63	9.54e-04	2.86e-04	-1.11e-04
1533	193	4.03	9.07	0.32	-2.20e-03	-5.69e-04	-1.09e-04
1533	212	-7.95	-5.27	-0.72	1.17e-03	3.44e-04	-1.26e-04
1533	225	4.79	10.89	0.40	-2.63e-03	-6.84e-04	-1.30e-04
1533	263	-0.36	0.26	-0.12	-1.28e-04	-3.59e-06	-3.50e-06
1533	264	-0.36	0.28	-0.13	-1.37e-04	-4.00e-06	-4.71e-06
1533	276	-0.01	1.62	-0.09	-7.50e-04	-1.97e-04	-1.40e-04
1533	305	-0.08	0.21	-0.10	-1.16e-04	-3.32e-06	-8.61e-06
1533	307	-0.01	0.48	-0.09	-2.39e-04	-4.20e-05	-3.56e-05
1533	310	-0.01	0.20	-0.09	-1.15e-04	-3.30e-06	-1.00e-05
1534	44	-0.66	0.51	-0.21	-1.94e-04	0.0	-4.65e-05
1534	68	-0.05	3.01	-0.14	-5.96e-04	0.0	-1.08e-03
1534	116	-7.18	-4.09	-0.70	7.19e-04	0.0	-7.14e-05
1534	129	4.14	8.73	0.33	-1.73e-03	0.0	-4.25e-04
1534	148	-8.07	-4.67	-0.77	8.29e-04	0.0	-7.47e-05
1534	161	4.67	9.86	0.39	-1.94e-03	0.0	-4.77e-04
1534	180	-7.99	-4.85	-0.77	8.62e-04	0.0	-6.72e-05
1534	193	4.72	10.22	0.40	-2.01e-03	0.0	-4.96e-04
1534	212	-9.35	-5.88	-0.89	1.06e-03	0.0	-6.75e-05
1534	225	5.61	12.27	0.50	-2.40e-03	0.0	-5.92e-04
1534	264	-0.44	0.35	-0.15	-1.35e-04	0.0	-3.28e-05
1534	276	-0.04	2.02	-0.10	-4.03e-04	0.0	-7.20e-04
1534	305	-0.12	0.28	-0.12	-1.15e-04	0.0	-3.32e-05
1534	307	-0.04	0.61	-0.11	-1.68e-04	0.0	-1.71e-04
1534	310	-0.04	0.26	-0.11	-1.14e-04	0.0	-3.46e-05
1535	44	-0.77	0.55	-0.17	-1.96e-04	0.0	-6.24e-05
1535	68	-0.08	1.95	-0.15	-2.01e-04	-1.02e-04	-1.26e-03
1535	76	-0.11	0.08	-0.21	-2.11e-04	3.14e-05	2.71e-04
1535	116	-8.07	-4.30	-0.08	7.91e-04	7.19e-04	-1.18e-04
1535	129	4.63	9.14	0.08	-1.86e-03	-1.33e-03	-3.21e-04
1535	138	0.77	-7.14	-0.41	1.37e-03	1.01e-03	4.29e-04
1535	148	-9.07	-4.91	-0.07	9.11e-04	8.14e-04	-1.26e-04
1535	161	5.24	10.32	0.11	-2.09e-03	-1.51e-03	-3.59e-04
1535	170	0.86	-8.11	-0.44	1.56e-03	1.14e-03	4.91e-04
1535	180	-8.98	-5.09	-0.08	9.48e-04	8.40e-04	-1.18e-04
1535	193	5.29	10.70	0.12	-2.17e-03	-1.56e-03	-3.72e-04
1535	202	0.80	-8.34	-0.45	1.61e-03	1.17e-03	5.02e-04
1535	212	-10.51	-6.17	-0.08	1.16e-03	1.01e-03	-1.25e-04
1535	225	6.29	12.84	0.17	-2.59e-03	-1.88e-03	-4.41e-04
1535	234	0.92	-9.97	-0.51	1.93e-03	1.39e-03	6.04e-04
1535	264	-0.51	0.38	-0.12	-1.36e-04	0.0	-4.39e-05
1535	276	-0.06	1.32	-0.11	-1.40e-04	-6.77e-05	-8.45e-04
1535	280	-0.08	0.07	-0.15	-1.46e-04	2.09e-05	1.78e-04
1535	298	-0.06	0.30	-0.12	-1.20e-04	0.0	-4.79e-05
1535	305	-0.15	0.29	-0.12	-1.15e-04	0.0	-4.37e-05
1535	307	-0.06	0.48	-0.12	-1.16e-04	-1.31e-05	-2.04e-04
1535	310	-0.06	0.28	-0.12	-1.13e-04	0.0	-4.53e-05
1536	44	-0.86	0.65	-0.17	-2.13e-04	-1.36e-05	-5.60e-05
1536	68	-0.12	2.00	-0.15	-2.74e-05	-2.72e-04	-1.03e-03
1536	76	-0.15	0.21	-0.22	-2.89e-04	6.32e-05	2.09e-04
1536	116	-9.00	-4.70	-0.08	7.82e-04	7.55e-04	-1.92e-04
1536	129	5.15	10.09	0.09	-1.87e-03	-1.43e-03	-9.79e-05
1536	138	0.83	-7.84	-0.42	1.36e-03	1.05e-03	2.21e-04
1536	148	-10.11	-5.37	-0.08	9.02e-04	8.56e-04	-2.10e-04

1536	161	5.82	11.39	0.12	-2.11e-03	-1.62e-03	-1.05e-04
1536	170	0.93	-8.92	-0.46	1.56e-03	1.19e-03	2.55e-04
1536	180	-10.02	-5.58	-0.09	9.39e-04	8.83e-04	-2.05e-04
1536	193	5.89	11.82	0.13	-2.18e-03	-1.68e-03	-1.04e-04
1536	202	0.86	-9.17	-0.47	1.60e-03	1.22e-03	2.58e-04
1536	212	-11.72	-6.77	-0.08	1.15e-03	1.06e-03	-2.31e-04
1536	225	7.00	14.17	0.18	-2.60e-03	-2.02e-03	-1.17e-04
1536	234	0.99	-10.97	-0.53	1.93e-03	1.45e-03	3.12e-04
1536	264	-0.58	0.45	-0.13	-1.49e-04	-9.52e-06	-3.94e-05
1536	276	-0.08	1.35	-0.11	-2.46e-05	-1.82e-04	-6.91e-04
1536	280	-0.11	0.16	-0.16	-1.99e-04	4.17e-05	1.37e-04
1536	298	-0.09	0.36	-0.13	-1.32e-04	-8.03e-06	-4.50e-05
1536	305	-0.18	0.35	-0.12	-1.26e-04	-7.74e-06	-4.07e-05
1536	307	-0.08	0.53	-0.12	-1.01e-04	-4.22e-05	-1.71e-04
1536	310	-0.08	0.34	-0.13	-1.24e-04	-7.64e-06	-4.24e-05
1537	44	-0.76	0.58	-0.18	-1.92e-04	0.0	-5.55e-05
1537	68	-0.08	2.58	-0.14	-9.86e-05	0.0	-1.17e-03
1537	76	-0.11	-0.05	-0.20	-2.38e-04	0.0	2.53e-04
1537	116	-8.07	-4.36	-0.32	6.99e-04	0.0	-1.15e-04
1537	129	4.63	9.34	0.14	-1.68e-03	0.0	-3.13e-04
1537	132	-4.75	-8.74	-0.37	1.46e-03	0.0	2.31e-04
1537	148	-9.07	-4.98	-0.34	8.07e-04	0.0	-1.24e-04
1537	161	5.23	10.54	0.17	-1.89e-03	1.05e-06	-3.50e-04
1537	164	-5.35	-9.94	-0.40	1.67e-03	-1.04e-06	2.68e-04
1537	180	-8.98	-5.16	-0.35	8.39e-04	0.0	-1.16e-04
1537	193	5.29	10.93	0.18	-1.96e-03	1.09e-06	-3.63e-04
1537	196	-5.41	-10.33	-0.41	1.74e-03	-1.08e-06	2.81e-04
1537	212	-10.51	-6.27	-0.39	1.03e-03	0.0	-1.24e-04
1537	225	6.29	13.11	0.24	-2.34e-03	1.31e-06	-4.31e-04
1537	228	-6.41	-12.51	-0.47	2.12e-03	-1.30e-06	3.49e-04
1537	264	-0.51	0.40	-0.13	-1.34e-04	0.0	-3.91e-05
1537	276	-0.06	1.74	-0.11	-7.13e-05	0.0	-7.83e-04
1537	280	-0.08	-0.02	-0.14	-1.64e-04	0.0	1.67e-04
1537	298	-0.06	0.32	-0.12	-1.19e-04	0.0	-4.33e-05
1537	305	-0.15	0.31	-0.12	-1.13e-04	0.0	-3.93e-05
1537	307	-0.06	0.58	-0.11	-1.01e-04	0.0	-1.88e-04
1537	310	-0.06	0.30	-0.11	-1.12e-04	0.0	-4.09e-05
1538	44	-0.86	0.68	-0.19	-1.96e-04	0.0	-4.55e-05
1538	68	-0.12	2.51	-0.15	2.57e-04	0.0	-9.60e-04
1538	76	-0.15	0.10	-0.21	-3.50e-04	0.0	2.03e-04
1538	116	-9.00	-4.70	-0.33	6.79e-04	0.0	-1.74e-04
1538	129	5.15	10.17	0.15	-1.65e-03	1.22e-06	-1.26e-04
1538	132	-5.32	-9.45	-0.39	1.42e-03	-1.19e-06	5.43e-05
1538	148	-10.11	-5.37	-0.36	7.85e-04	0.0	-1.91e-04
1538	161	5.82	11.48	0.18	-1.85e-03	1.38e-06	-1.37e-04
1538	164	-5.99	-10.76	-0.42	1.63e-03	-1.35e-06	6.61e-05
1538	180	-10.01	-5.58	-0.36	8.17e-04	0.0	-1.85e-04
1538	193	5.88	11.90	0.19	-1.92e-03	1.43e-06	-1.40e-04
1538	196	-6.05	-11.19	-0.43	1.69e-03	-1.40e-06	6.88e-05
1538	212	-11.71	-6.78	-0.41	1.00e-03	0.0	-2.08e-04
1538	225	7.00	14.27	0.26	-2.29e-03	1.72e-06	-1.62e-04
1538	228	-7.17	-13.55	-0.50	2.06e-03	-1.69e-06	9.08e-05
1538	264	-0.58	0.47	-0.14	-1.37e-04	0.0	-3.21e-05
1538	276	-0.08	1.69	-0.11	1.66e-04	0.0	-6.42e-04
1538	280	-0.11	0.09	-0.15	-2.39e-04	0.0	1.33e-04
1538	298	-0.09	0.38	-0.12	-1.21e-04	0.0	-3.77e-05
1538	305	-0.18	0.37	-0.12	-1.16e-04	0.0	-3.39e-05
1538	307	-0.08	0.62	-0.12	-5.54e-05	0.0	-1.56e-04
1538	310	-0.08	0.36	-0.12	-1.14e-04	0.0	-3.56e-05
1539	44	-0.76	0.61	-0.23	-1.89e-04	0.0	-5.30e-05
1539	68	-0.08	3.18	-0.16	-3.76e-05	0.0	-1.17e-03
1539	116	-8.07	-4.42	-0.78	6.51e-04	0.0	-1.18e-04
1539	129	4.63	9.53	0.38	-1.59e-03	0.0	-2.97e-04
1539	148	-9.06	-5.05	-0.86	7.52e-04	0.0	-1.26e-04
1539	161	5.23	10.76	0.44	-1.78e-03	0.0	-3.31e-04
1539	180	-8.98	-5.24	-0.86	7.82e-04	0.0	-1.19e-04
1539	193	5.29	11.16	0.45	-1.85e-03	0.0	-3.44e-04
1539	212	-10.50	-6.36	-0.99	9.62e-04	0.0	-1.28e-04
1539	225	6.29	13.38	0.56	-2.20e-03	0.0	-4.08e-04
1539	264	-0.51	0.42	-0.16	-1.31e-04	0.0	-3.73e-05
1539	276	-0.06	2.13	-0.11	-3.06e-05	0.0	-7.80e-04
1539	305	-0.15	0.33	-0.13	-1.12e-04	0.0	-3.78e-05
1539	307	-0.06	0.68	-0.12	-9.15e-05	0.0	-1.86e-04
1539	310	-0.06	0.32	-0.12	-1.10e-04	0.0	-3.93e-05
1540	44	-0.86	0.70	-0.25	-1.82e-04	0.0	-4.27e-05

1540	68	-0.11	3.00	-0.17	4.80e-04	0.0	-9.70e-04
1540	116	-8.99	-4.72	-0.83	6.08e-04	0.0	-1.67e-04
1540	129	5.14	10.26	0.41	-1.49e-03	0.0	-1.41e-04
1540	148	-10.10	-5.39	-0.92	7.03e-04	0.0	-1.83e-04
1540	161	5.81	11.58	0.48	-1.67e-03	0.0	-1.55e-04
1540	180	-10.00	-5.60	-0.92	7.31e-04	0.0	-1.77e-04
1540	193	5.88	12.01	0.49	-1.73e-03	0.0	-1.59e-04
1540	212	-11.70	-6.80	-1.05	9.01e-04	0.0	-1.98e-04
1540	225	6.99	14.40	0.61	-2.07e-03	0.0	-1.85e-04
1540	264	-0.58	0.48	-0.18	-1.27e-04	0.0	-3.01e-05
1540	276	-0.08	2.02	-0.12	3.14e-04	0.0	-6.48e-04
1540	305	-0.18	0.39	-0.14	-1.07e-04	0.0	-3.21e-05
1540	307	-0.08	0.69	-0.13	-1.91e-05	0.0	-1.56e-04
1540	310	-0.08	0.38	-0.13	-1.06e-04	0.0	-3.38e-05
1541	44	-0.95	0.76	-0.19	-2.28e-04	-2.97e-05	-3.13e-05
1541	68	-0.15	1.95	-0.16	1.09e-04	-4.16e-04	-6.17e-04
1541	76	-0.20	0.38	-0.23	-3.52e-04	8.16e-05	1.19e-04
1541	116	-9.91	-5.08	-0.09	7.56e-04	5.25e-04	-2.96e-04
1541	129	5.66	11.02	0.09	-1.85e-03	-1.03e-03	2.12e-04
1541	138	0.88	-8.51	-0.44	1.33e-03	6.85e-04	9.29e-05
1541	148	-11.13	-5.81	-0.09	8.74e-04	5.97e-04	-3.29e-04
1541	161	6.40	12.44	0.12	-2.08e-03	-1.16e-03	2.43e-04
1541	170	1.00	-9.68	-0.48	1.52e-03	7.78e-04	1.07e-04
1541	180	-11.03	-6.03	-0.09	9.10e-04	6.14e-04	-3.25e-04
1541	193	6.47	12.90	0.13	-2.15e-03	-1.20e-03	2.43e-04
1541	202	0.92	-9.96	-0.49	1.57e-03	8.00e-04	9.92e-05
1541	212	-12.90	-7.34	-0.09	1.12e-03	7.41e-04	-3.77e-04
1541	225	7.70	15.46	0.19	-2.57e-03	-1.45e-03	2.95e-04
1541	234	1.06	-11.92	-0.56	1.89e-03	9.56e-04	1.18e-04
1541	264	-0.64	0.53	-0.13	-1.59e-04	-2.07e-05	-2.22e-05
1541	276	-0.10	1.32	-0.12	6.60e-05	-2.78e-04	-4.13e-04
1541	280	-0.14	0.27	-0.17	-2.41e-04	5.35e-05	7.79e-05
1541	298	-0.11	0.43	-0.14	-1.42e-04	-1.91e-05	-2.96e-05
1541	305	-0.21	0.42	-0.13	-1.35e-04	-1.80e-05	-2.60e-05
1541	307	-0.10	0.58	-0.13	-9.01e-05	-6.95e-05	-1.04e-04
1541	310	-0.11	0.40	-0.13	-1.34e-04	-1.80e-05	-2.78e-05
1542	44	-1.03	0.89	-0.21	-2.69e-04	-1.14e-05	3.07e-05
1542	68	-0.18	1.81	-0.18	-9.34e-04	2.90e-04	-1.49e-04
1542	76	-0.24	0.60	-0.25	-1.07e-04	-1.04e-04	7.01e-05
1542	116	-10.63	-5.44	-0.11	4.62e-04	-2.60e-06	-3.02e-04
1542	129	6.05	11.93	0.09	-1.37e-03	1.83e-04	3.41e-04
1542	138	0.93	-9.15	-0.47	8.38e-04	6.96e-05	-1.15e-05
1542	148	-11.94	-6.23	-0.10	5.45e-04	-2.72e-06	-3.41e-04
1542	161	6.85	13.45	0.12	-1.52e-03	2.07e-04	3.83e-04
1542	170	1.05	-10.42	-0.51	9.69e-04	7.84e-05	-1.44e-05
1542	180	-11.83	-6.47	-0.11	5.69e-04	-7.14e-06	-3.38e-04
1542	193	6.92	13.95	0.13	-1.57e-03	2.07e-04	3.89e-04
1542	202	0.97	-10.71	-0.52	9.98e-04	7.17e-05	-1.30e-05
1542	212	-13.83	-7.87	-0.11	7.17e-04	-9.75e-06	-4.00e-04
1542	225	8.24	16.72	0.19	-1.86e-03	2.50e-04	4.62e-04
1542	234	1.11	-12.83	-0.59	1.22e-03	8.54e-05	-1.70e-05
1542	264	-0.69	0.62	-0.15	-1.87e-04	-7.77e-06	2.09e-05
1542	276	-0.12	1.23	-0.13	-6.31e-04	1.93e-04	-9.90e-05
1542	280	-0.17	0.42	-0.18	-7.97e-05	-6.93e-05	4.72e-05
1542	298	-0.14	0.51	-0.15	-1.71e-04	-8.02e-06	1.16e-05
1542	305	-0.24	0.49	-0.14	-1.62e-04	-7.42e-06	1.26e-05
1542	307	-0.13	0.62	-0.14	-2.51e-04	3.27e-05	-1.14e-05
1542	310	-0.13	0.48	-0.15	-1.62e-04	-7.31e-06	1.07e-05
1543	44	-0.95	0.78	-0.20	-1.99e-04	0.0	-2.02e-05
1543	68	-0.15	2.25	-0.16	5.31e-04	0.0	-5.67e-04
1543	76	-0.20	0.32	-0.22	-4.36e-04	0.0	1.21e-04
1543	116	-9.94	-5.03	-0.34	6.65e-04	0.0	-1.94e-04
1543	129	5.68	10.98	0.15	-1.63e-03	1.25e-06	-7.02e-05
1543	132	-5.89	-10.15	-0.41	1.39e-03	-1.21e-06	2.91e-05
1543	148	-11.17	-5.76	-0.37	7.69e-04	0.0	-2.15e-04
1543	161	6.42	12.39	0.19	-1.83e-03	1.42e-06	-7.60e-05
1543	164	-6.64	-11.56	-0.44	1.60e-03	-1.37e-06	3.49e-05
1543	180	-11.06	-5.98	-0.38	8.00e-04	0.0	-2.11e-04
1543	193	6.49	12.85	0.20	-1.89e-03	1.47e-06	-7.34e-05
1543	196	-6.71	-12.02	-0.46	1.66e-03	-1.42e-06	3.23e-05
1543	212	-12.94	-7.27	-0.42	9.86e-04	0.0	-2.42e-04
1543	225	7.73	15.40	0.27	-2.26e-03	1.77e-06	-8.38e-05
1543	228	-7.94	-14.57	-0.52	2.02e-03	-1.72e-06	4.27e-05
1543	264	-0.64	0.54	-0.15	-1.38e-04	0.0	-1.45e-05
1543	276	-0.10	1.52	-0.12	3.48e-04	0.0	-3.79e-04

1543	280	-0.14	0.23	-0.16	-2.97e-04	0.0	7.97e-05
1543	298	-0.11	0.44	-0.13	-1.23e-04	0.0	-2.18e-05
1543	305	-0.21	0.43	-0.13	-1.17e-04	0.0	-1.88e-05
1543	307	-0.11	0.63	-0.12	-2.01e-05	0.0	-9.17e-05
1543	310	-0.11	0.42	-0.13	-1.16e-04	0.0	-2.06e-05
1544	44	-1.03	0.88	-0.22	-2.50e-04	0.0	3.01e-05
1544	68	-0.18	1.81	-0.18	-1.39e-03	0.0	-1.23e-04
1544	76	-0.24	0.59	-0.24	5.66e-05	0.0	6.16e-05
1544	116	-10.64	-5.36	-0.36	4.82e-04	0.0	-3.07e-04
1544	129	6.06	11.78	0.15	-1.37e-03	0.0	3.42e-04
1544	132	-6.31	-10.84	-0.43	1.07e-03	0.0	-3.21e-04
1544	148	-11.94	-6.14	-0.38	5.65e-04	0.0	-3.47e-04
1544	161	6.85	13.29	0.18	-1.54e-03	0.0	3.85e-04
1544	164	-7.11	-12.34	-0.46	1.24e-03	0.0	-3.64e-04
1544	180	-11.83	-6.37	-0.39	5.89e-04	0.0	-3.44e-04
1544	193	6.93	13.78	0.20	-1.59e-03	0.0	3.90e-04
1544	196	-7.18	-12.83	-0.47	1.29e-03	0.0	-3.70e-04
1544	212	-13.83	-7.75	-0.44	7.38e-04	0.0	-4.07e-04
1544	225	8.25	16.51	0.26	-1.88e-03	0.0	4.64e-04
1544	228	-8.50	-15.56	-0.54	1.58e-03	0.0	-4.43e-04
1544	264	-0.69	0.61	-0.16	-1.75e-04	0.0	2.05e-05
1544	276	-0.12	1.23	-0.13	-9.34e-04	0.0	-8.15e-05
1544	280	-0.17	0.42	-0.17	2.97e-05	0.0	4.15e-05
1544	298	-0.14	0.50	-0.14	-1.59e-04	0.0	1.12e-05
1544	305	-0.24	0.49	-0.14	-1.50e-04	0.0	1.23e-05
1544	307	-0.13	0.61	-0.14	-3.02e-04	0.0	-8.14e-06
1544	310	-0.13	0.47	-0.14	-1.50e-04	0.0	1.04e-05
1545	28	-0.66	0.87	-0.26	-1.99e-04	0.0	-2.75e-05
1545	44	-0.95	0.78	-0.26	-1.75e-04	0.0	-1.73e-05
1545	68	-0.15	2.53	-0.18	8.71e-04	0.0	-5.75e-04
1545	116	-9.99	-5.00	-0.86	5.89e-04	0.0	-1.94e-04
1545	129	5.71	10.96	0.42	-1.44e-03	0.0	-5.82e-05
1545	148	-11.22	-5.72	-0.95	6.80e-04	0.0	-2.15e-04
1545	161	6.46	12.36	0.49	-1.62e-03	0.0	-6.26e-05
1545	180	-11.12	-5.94	-0.95	7.08e-04	0.0	-2.12e-04
1545	193	6.53	12.82	0.50	-1.67e-03	0.0	-5.85e-05
1545	212	-13.00	-7.22	-1.09	8.71e-04	0.0	-2.43e-04
1545	225	7.77	15.36	0.63	-1.99e-03	0.0	-6.57e-05
1545	256	-0.45	0.60	-0.19	-1.38e-04	0.0	-1.92e-05
1545	264	-0.64	0.54	-0.19	-1.22e-04	0.0	-1.24e-05
1545	276	-0.10	1.71	-0.13	5.76e-04	0.0	-3.84e-04
1545	305	-0.21	0.44	-0.15	-1.03e-04	0.0	-1.69e-05
1545	307	-0.10	0.67	-0.14	3.66e-05	0.0	-9.12e-05
1545	310	-0.11	0.43	-0.14	-1.02e-04	0.0	-1.87e-05
1546	28	-0.73	0.96	-0.29	-2.72e-04	-1.19e-04	2.09e-05
1546	44	-1.03	0.86	-0.29	-2.39e-04	-1.43e-04	2.42e-05
1546	68	-0.18	1.80	-0.21	-1.76e-03	-6.02e-05	1.53e-05
1546	116	-10.64	-5.29	-0.88	4.92e-04	-9.97e-04	-3.09e-04
1546	129	6.06	11.64	0.41	-1.37e-03	5.22e-04	3.38e-04
1546	148	-11.94	-6.05	-0.97	5.76e-04	-1.12e-03	-3.49e-04
1546	161	6.85	13.13	0.49	-1.54e-03	5.94e-04	3.81e-04
1546	180	-11.83	-6.28	-0.97	5.99e-04	-1.11e-03	-3.46e-04
1546	193	6.93	13.62	0.50	-1.59e-03	6.01e-04	3.87e-04
1546	212	-13.83	-7.64	-1.11	7.48e-04	-1.29e-03	-4.09e-04
1546	225	8.25	16.31	0.63	-1.88e-03	7.21e-04	4.60e-04
1546	256	-0.49	0.66	-0.21	-1.89e-04	-8.16e-05	1.43e-05
1546	264	-0.69	0.60	-0.21	-1.67e-04	-9.75e-05	1.65e-05
1546	276	-0.12	1.22	-0.15	-1.18e-03	-4.24e-05	1.06e-05
1546	305	-0.24	0.48	-0.17	-1.42e-04	-5.03e-05	8.47e-06
1546	307	-0.13	0.61	-0.16	-3.46e-04	-3.93e-05	7.28e-06
1546	310	-0.13	0.47	-0.16	-1.42e-04	-3.98e-05	6.69e-06
1547	15	0.23	0.08	-0.07	-9.08e-05	0.0	4.80e-06
1547	43	-0.49	0.24	-0.04	-1.74e-04	0.0	1.46e-05
1547	68	-0.01	0.97	-0.05	-4.53e-04	0.0	1.04e-04
1547	113	5.74	3.29	-0.25	-1.06e-03	0.0	2.01e-04
1547	116	-5.76	-3.04	0.17	8.37e-04	0.0	-1.86e-04
1547	137	2.51	6.46	-0.13	-1.99e-03	0.0	1.78e-05
1547	145	6.46	3.71	-0.28	-1.18e-03	0.0	2.25e-04
1547	148	-6.48	-3.46	0.20	9.62e-04	0.0	-2.10e-04
1547	169	2.83	7.29	-0.14	-2.23e-03	0.0	1.96e-05
1547	177	6.39	3.83	-0.28	-1.21e-03	0.0	2.20e-04
1547	180	-6.41	-3.58	0.19	9.94e-04	0.0	-2.05e-04
1547	201	2.82	7.48	-0.14	-2.29e-03	0.0	2.43e-05
1547	209	7.49	4.58	-0.32	-1.43e-03	0.0	2.54e-04
1547	212	-7.51	-4.33	0.23	1.21e-03	0.0	-2.39e-04

1547	233	3.31	8.88	-0.16	-2.70e-03	0.0	2.83e-05
1547	248	0.15	0.06	-0.05	-6.60e-05	0.0	3.54e-06
1547	263	-0.33	0.16	-0.03	-1.22e-04	0.0	1.00e-05
1547	276	-7.86e-03	0.66	-0.04	-3.08e-04	0.0	6.95e-05
1547	302	0.03	0.07	-0.05	-6.82e-05	0.0	4.33e-06
1547	305	-0.07	0.13	-0.04	-1.10e-04	0.0	7.97e-06
1547	307	-8.68e-03	0.23	-0.04	-1.46e-04	0.0	1.97e-05
1547	309	-6.88e-03	0.07	-0.05	-6.88e-05	0.0	4.52e-06
1547	310	-8.90e-03	0.13	-0.04	-1.09e-04	0.0	7.58e-06
1548	43	-0.49	0.23	-0.05	-1.73e-04	0.0	1.37e-05
1548	68	-8.88e-03	0.95	-0.05	-4.42e-04	0.0	8.32e-05
1548	89	-9.87e-03	-0.27	-0.06	3.78e-05	0.0	-2.91e-05
1548	116	-5.75	-3.03	-0.04	8.19e-04	0.0	-2.68e-04
1548	137	2.51	6.45	-0.04	-1.96e-03	0.0	1.76e-05
1548	138	0.60	-5.33	-0.05	1.48e-03	0.0	1.33e-04
1548	148	-6.47	-3.45	-0.04	9.41e-04	0.0	-3.02e-04
1548	169	2.82	7.28	-0.03	-2.20e-03	0.0	1.93e-05
1548	170	0.67	-6.05	-0.05	1.69e-03	0.0	1.48e-04
1548	180	-6.40	-3.56	-0.04	9.74e-04	0.0	-2.98e-04
1548	201	2.82	7.48	-0.03	-2.26e-03	0.0	2.37e-05
1548	202	0.63	-6.22	-0.05	1.74e-03	0.0	1.41e-04
1548	212	-7.50	-4.30	-0.04	1.19e-03	0.0	-3.51e-04
1548	233	3.31	8.88	-0.03	-2.66e-03	0.0	2.74e-05
1548	234	0.71	-7.42	-0.06	2.09e-03	0.0	1.63e-04
1548	263	-0.33	0.16	-0.04	-1.21e-04	0.0	9.48e-06
1548	276	-6.22e-03	0.64	-0.04	-3.00e-04	0.0	5.58e-05
1548	285	-6.88e-03	-0.18	-0.05	1.98e-05	0.0	-1.90e-05
1548	305	-0.07	0.13	-0.04	-1.10e-04	0.0	7.87e-06
1548	307	-7.49e-03	0.22	-0.04	-1.44e-04	0.0	1.70e-05
1548	308	-6.29e-03	0.02	-0.05	-5.09e-05	0.0	0.0
1548	309	-6.15e-03	0.07	-0.05	-6.86e-05	0.0	4.49e-06
1548	310	-7.78e-03	0.12	-0.04	-1.09e-04	0.0	7.60e-06
1549	15	0.24	0.13	-0.07	-9.04e-05	0.0	3.23e-06
1549	43	-0.51	0.33	-0.03	-1.73e-04	0.0	2.17e-05
1549	68	-8.40e-03	1.25	-0.05	-3.93e-04	-2.23e-06	3.15e-04
1549	113	5.97	3.86	-0.30	-9.96e-04	-3.77e-06	2.67e-04
1549	116	-5.98	-3.49	0.22	7.79e-04	3.73e-06	-2.50e-04
1549	137	2.61	7.53	-0.15	-1.88e-03	-6.27e-06	1.84e-04
1549	145	6.71	4.35	-0.33	-1.11e-03	-4.25e-06	2.99e-04
1549	148	-6.72	-3.98	0.25	8.95e-04	4.22e-06	-2.82e-04
1549	169	2.94	8.49	-0.16	-2.11e-03	-7.09e-06	2.07e-04
1549	177	6.64	4.49	-0.33	-1.14e-03	-4.35e-06	2.99e-04
1549	180	-6.66	-4.12	0.25	9.27e-04	4.32e-06	-2.82e-04
1549	201	2.93	8.72	-0.16	-2.16e-03	-7.24e-06	2.08e-04
1549	209	7.78	5.35	-0.38	-1.35e-03	-5.22e-06	3.52e-04
1549	212	-7.80	-4.98	0.30	1.13e-03	5.18e-06	-3.35e-04
1549	233	3.44	10.34	-0.19	-2.55e-03	-8.61e-06	2.44e-04
1549	248	0.16	0.09	-0.05	-6.57e-05	0.0	2.61e-06
1549	263	-0.34	0.23	-0.03	-1.21e-04	0.0	1.49e-05
1549	276	-5.98e-03	0.84	-0.04	-2.68e-04	-1.49e-06	2.10e-04
1549	302	0.03	0.11	-0.05	-6.79e-05	0.0	4.91e-06
1549	305	-0.07	0.19	-0.04	-1.10e-04	0.0	9.79e-06
1549	307	-7.57e-03	0.31	-0.04	-1.38e-04	0.0	4.87e-05
1549	309	-6.78e-03	0.11	-0.05	-6.84e-05	0.0	5.49e-06
1549	310	-7.85e-03	0.18	-0.04	-1.09e-04	0.0	8.64e-06
1550	43	-0.51	0.33	-0.05	-1.72e-04	0.0	1.94e-05
1550	68	-5.80e-03	1.18	-0.05	-3.82e-04	0.0	1.05e-04
1550	89	-9.41e-03	-0.29	-0.07	8.99e-06	0.0	-3.91e-05
1550	116	-5.99	-3.46	-0.04	7.62e-04	0.0	-2.52e-04
1550	137	2.62	7.49	-0.04	-1.85e-03	0.0	1.58e-04
1550	138	0.63	-6.12	-0.06	1.39e-03	0.0	-2.79e-05
1550	148	-6.74	-3.94	-0.04	8.77e-04	0.0	-2.85e-04
1550	169	2.95	8.45	-0.04	-2.08e-03	0.0	1.77e-04
1550	170	0.70	-6.94	-0.06	1.59e-03	0.0	-3.27e-05
1550	180	-6.67	-4.08	-0.04	9.07e-04	0.0	-2.84e-04
1550	201	2.94	8.67	-0.04	-2.13e-03	0.0	1.76e-04
1550	202	0.65	-7.14	-0.06	1.63e-03	0.0	-3.35e-05
1550	212	-7.81	-4.93	-0.04	1.11e-03	0.0	-3.36e-04
1550	233	3.45	10.29	-0.03	-2.51e-03	0.0	2.06e-04
1550	234	0.74	-8.53	-0.06	1.96e-03	0.0	-4.16e-05
1550	263	-0.34	0.23	-0.04	-1.20e-04	0.0	1.33e-05
1550	276	-4.09e-03	0.79	-0.04	-2.60e-04	0.0	7.06e-05
1550	285	-6.50e-03	-0.19	-0.05	0.0	0.0	-2.56e-05
1550	305	-0.07	0.19	-0.04	-1.09e-04	0.0	9.00e-06
1550	307	-6.03e-03	0.30	-0.04	-1.36e-04	0.0	2.03e-05

1550	308	-5.76e-03	0.05	-0.05	-5.45e-05	0.0	-1.11e-06
1550	309	-5.58e-03	0.11	-0.05	-6.82e-05	0.0	5.02e-06
1550	310	-6.40e-03	0.18	-0.04	-1.08e-04	0.0	8.03e-06
1551	15	0.25	0.18	-0.07	-8.98e-05	0.0	2.84e-06
1551	44	-0.63	0.45	-0.01	-1.82e-04	0.0	2.26e-05
1551	68	-0.05	1.39	-0.04	-3.02e-04	0.0	1.22e-04
1551	113	7.05	4.36	-0.38	-9.11e-04	0.0	2.87e-04
1551	116	-7.13	-3.88	0.30	6.95e-04	0.0	-2.71e-04
1551	137	3.08	8.47	-0.19	-1.72e-03	0.0	1.67e-04
1551	145	7.93	4.91	-0.42	-1.02e-03	0.0	3.22e-04
1551	148	-8.01	-4.42	0.34	8.01e-04	0.0	-3.06e-04
1551	169	3.47	9.55	-0.20	-1.93e-03	0.0	1.87e-04
1551	177	7.85	5.06	-0.42	-1.05e-03	0.0	3.21e-04
1551	180	-7.93	-4.58	0.34	8.30e-04	0.0	-3.04e-04
1551	201	3.47	9.81	-0.20	-1.98e-03	0.0	1.86e-04
1551	209	9.20	6.03	-0.48	-1.23e-03	0.0	3.77e-04
1551	212	-9.28	-5.54	0.41	1.02e-03	0.0	-3.60e-04
1551	233	4.08	11.62	-0.23	-2.34e-03	0.0	2.17e-04
1551	248	0.16	0.13	-0.06	-6.52e-05	0.0	2.34e-06
1551	264	-0.42	0.31	-0.02	-1.27e-04	0.0	1.55e-05
1551	276	-0.04	0.94	-0.03	-2.07e-04	0.0	8.17e-05
1551	302	0.01	0.14	-0.05	-6.73e-05	0.0	4.70e-06
1551	305	-0.12	0.25	-0.04	-1.09e-04	0.0	9.51e-06
1551	307	-0.04	0.37	-0.04	-1.25e-04	0.0	2.28e-05
1551	309	-0.03	0.15	-0.05	-6.78e-05	0.0	5.28e-06
1551	310	-0.04	0.24	-0.04	-1.08e-04	0.0	8.34e-06
1552	44	-0.63	0.44	-0.05	-1.82e-04	0.0	2.23e-05
1552	68	-0.05	1.36	-0.05	-3.06e-04	0.0	9.80e-05
1552	89	-0.04	-0.29	-0.07	-2.79e-05	0.0	-3.50e-05
1552	116	-7.12	-3.85	-0.04	6.91e-04	0.0	-2.70e-04
1552	137	3.08	8.44	-0.04	-1.72e-03	0.0	1.72e-04
1552	138	0.69	-6.83	-0.06	1.28e-03	0.0	-3.44e-05
1552	148	-8.00	-4.39	-0.04	7.97e-04	0.0	-3.04e-04
1552	169	3.47	9.52	-0.04	-1.93e-03	0.0	1.93e-04
1552	170	0.78	-7.76	-0.06	1.46e-03	0.0	-4.02e-05
1552	180	-7.92	-4.54	-0.04	8.25e-04	0.0	-3.03e-04
1552	201	3.46	9.77	-0.04	-1.98e-03	0.0	1.92e-04
1552	202	0.72	-7.98	-0.06	1.50e-03	0.0	-4.12e-05
1552	212	-9.27	-5.50	-0.04	1.01e-03	0.0	-3.59e-04
1552	233	4.08	11.58	-0.04	-2.33e-03	0.0	2.25e-04
1552	234	0.83	-9.54	-0.06	1.81e-03	0.0	-5.08e-05
1552	264	-0.42	0.30	-0.04	-1.26e-04	0.0	1.53e-05
1552	276	-0.04	0.92	-0.04	-2.09e-04	0.0	6.58e-05
1552	285	-0.03	-0.18	-0.05	-2.40e-05	0.0	-2.29e-05
1552	305	-0.12	0.25	-0.05	-1.09e-04	0.0	9.44e-06
1552	307	-0.04	0.37	-0.05	-1.25e-04	0.0	1.95e-05
1552	308	-0.03	0.08	-0.05	-5.90e-05	0.0	0.0
1552	309	-0.03	0.15	-0.05	-6.78e-05	0.0	5.24e-06
1552	310	-0.04	0.24	-0.05	-1.08e-04	0.0	8.29e-06
1553	41	-0.48	0.14	-0.07	-1.01e-04	0.0	7.85e-06
1553	43	-0.48	0.23	-0.06	-1.71e-04	0.0	1.33e-05
1553	68	-6.44e-03	0.92	-0.05	-4.38e-04	0.0	6.12e-05
1553	116	-5.76	-3.02	-0.25	8.06e-04	0.0	-2.68e-04
1553	137	2.51	6.45	0.05	-1.94e-03	0.0	1.65e-05
1553	148	-6.47	-3.43	-0.27	9.26e-04	0.0	-3.03e-04
1553	169	2.83	7.28	0.07	-2.18e-03	0.0	1.80e-05
1553	180	-6.41	-3.55	-0.27	9.59e-04	0.0	-2.99e-04
1553	201	2.82	7.47	0.07	-2.23e-03	0.0	2.21e-05
1553	212	-7.50	-4.28	-0.31	1.17e-03	0.0	-3.53e-04
1553	233	3.32	8.87	0.09	-2.63e-03	0.0	2.54e-05
1553	261	-0.32	0.10	-0.06	-7.27e-05	0.0	5.56e-06
1553	263	-0.32	0.16	-0.05	-1.20e-04	0.0	9.18e-06
1553	276	-4.54e-03	0.62	-0.04	-2.97e-04	0.0	4.11e-05
1553	304	-0.07	0.08	-0.05	-6.93e-05	0.0	4.66e-06
1553	305	-0.07	0.13	-0.04	-1.09e-04	0.0	7.76e-06
1553	307	-6.27e-03	0.22	-0.04	-1.44e-04	0.0	1.40e-05
1553	309	-5.41e-03	0.07	-0.05	-6.84e-05	0.0	4.43e-06
1553	310	-6.64e-03	0.12	-0.04	-1.09e-04	0.0	7.53e-06
1554	41	-0.50	0.20	-0.08	-1.00e-04	0.0	1.30e-05
1554	68	-4.81e-05	1.18	-0.05	-3.85e-04	1.39e-06	-1.13e-04
1554	116	-5.97	-3.44	-0.30	7.55e-04	-1.44e-06	-2.43e-04
1554	137	2.61	7.47	0.07	-1.84e-03	2.86e-06	-5.94e-06
1554	148	-6.72	-3.92	-0.33	8.68e-04	-1.62e-06	-2.75e-04
1554	169	2.94	8.43	0.09	-2.07e-03	3.23e-06	-7.60e-06
1554	180	-6.65	-4.05	-0.33	8.99e-04	-1.63e-06	-2.73e-04

1554	201	2.94	8.65	0.09	-2.12e-03	3.29e-06	-6.33e-06
1554	212	-7.79	-4.90	-0.38	1.10e-03	-1.94e-06	-3.22e-04
1554	233	3.45	10.26	0.11	-2.50e-03	3.91e-06	-8.62e-06
1554	261	-0.33	0.14	-0.06	-7.22e-05	0.0	9.01e-06
1554	276	-1.37e-06	0.79	-0.04	-2.62e-04	0.0	-7.48e-05
1554	304	-0.07	0.11	-0.05	-6.89e-05	0.0	5.22e-06
1554	307	-2.37e-03	0.30	-0.05	-1.36e-04	0.0	-9.64e-06
1554	309	-2.95e-03	0.11	-0.05	-6.81e-05	0.0	4.27e-06
1554	310	-2.79e-03	0.18	-0.05	-1.08e-04	0.0	6.91e-06
1555	41	-0.61	0.25	-0.10	-1.00e-04	0.0	1.57e-05
1555	44	-0.63	0.43	-0.09	-1.81e-04	0.0	2.21e-05
1555	68	-0.05	1.33	-0.06	-3.08e-04	0.0	7.26e-05
1555	116	-7.13	-3.83	-0.39	6.87e-04	0.0	-2.72e-04
1555	137	3.08	8.41	0.10	-1.71e-03	0.0	1.78e-04
1555	148	-8.01	-4.36	-0.43	7.92e-04	0.0	-3.07e-04
1555	169	3.47	9.48	0.12	-1.92e-03	0.0	1.99e-04
1555	180	-7.93	-4.51	-0.43	8.20e-04	0.0	-3.06e-04
1555	201	3.47	9.73	0.12	-1.97e-03	0.0	1.99e-04
1555	212	-9.28	-5.46	-0.49	1.01e-03	0.0	-3.63e-04
1555	233	4.08	11.54	0.15	-2.32e-03	0.0	2.33e-04
1555	261	-0.41	0.18	-0.08	-7.21e-05	0.0	1.09e-05
1555	264	-0.42	0.30	-0.07	-1.26e-04	0.0	1.52e-05
1555	276	-0.04	0.90	-0.05	-2.11e-04	0.0	4.88e-05
1555	304	-0.10	0.15	-0.06	-6.86e-05	0.0	6.30e-06
1555	305	-0.11	0.24	-0.06	-1.09e-04	0.0	9.30e-06
1555	307	-0.04	0.36	-0.05	-1.26e-04	0.0	1.60e-05
1555	309	-0.03	0.14	-0.06	-6.78e-05	0.0	5.16e-06
1555	310	-0.04	0.24	-0.06	-1.08e-04	0.0	8.15e-06
1556	15	0.26	0.22	-0.08	-8.95e-05	0.0	2.22e-06
1556	44	-0.77	0.54	-0.01	-1.81e-04	0.0	2.34e-05
1556	68	-0.10	1.52	-0.04	-2.44e-04	0.0	8.29e-05
1556	113	8.13	4.79	-0.40	-8.43e-04	0.0	2.97e-04
1556	116	-8.28	-4.20	0.32	6.29e-04	0.0	-2.80e-04
1556	137	3.55	9.29	-0.19	-1.60e-03	0.0	1.77e-04
1556	145	9.15	5.39	-0.45	-9.40e-04	0.0	3.33e-04
1556	148	-9.29	-4.80	0.36	7.26e-04	0.0	-3.16e-04
1556	169	4.00	10.47	-0.21	-1.79e-03	0.0	1.98e-04
1556	177	9.06	5.56	-0.44	-9.67e-04	0.0	3.32e-04
1556	180	-9.21	-4.97	0.36	7.52e-04	0.0	-3.15e-04
1556	201	4.00	10.75	-0.21	-1.84e-03	0.0	1.97e-04
1556	209	10.62	6.61	-0.51	-1.14e-03	0.0	3.90e-04
1556	212	-10.77	-6.02	0.43	9.24e-04	0.0	-3.73e-04
1556	233	4.71	12.74	-0.24	-2.16e-03	0.0	2.30e-04
1556	248	0.17	0.16	-0.06	-6.50e-05	0.0	1.93e-06
1556	264	-0.52	0.37	-0.02	-1.26e-04	0.0	1.61e-05
1556	276	-0.07	1.03	-0.04	-1.68e-04	0.0	5.58e-05
1556	302	-7.36e-03	0.18	-0.05	-6.70e-05	0.0	4.57e-06
1556	305	-0.16	0.30	-0.04	-1.08e-04	0.0	9.51e-06
1556	307	-0.07	0.43	-0.04	-1.17e-04	0.0	1.74e-05
1556	309	-0.05	0.18	-0.05	-6.75e-05	0.0	5.23e-06
1556	310	-0.07	0.29	-0.04	-1.07e-04	0.0	8.19e-06
1557	44	-0.77	0.53	-0.06	-1.81e-04	0.0	2.34e-05
1557	68	-0.10	1.49	-0.06	-2.50e-04	0.0	8.00e-05
1557	89	-0.08	-0.26	-0.07	-5.51e-05	0.0	-2.61e-05
1557	116	-8.28	-4.18	-0.04	6.27e-04	0.0	-2.81e-04
1557	137	3.55	9.26	-0.04	-1.59e-03	0.0	1.75e-04
1557	138	0.76	-7.43	-0.06	1.18e-03	0.0	-3.25e-05
1557	148	-9.30	-4.77	-0.04	7.24e-04	0.0	-3.17e-04
1557	169	4.00	10.44	-0.04	-1.79e-03	0.0	1.96e-04
1557	170	0.85	-8.45	-0.07	1.34e-03	0.0	-3.80e-05
1557	180	-9.21	-4.93	-0.04	7.51e-04	0.0	-3.16e-04
1557	201	4.00	10.71	-0.04	-1.84e-03	0.0	1.95e-04
1557	202	0.79	-8.69	-0.07	1.38e-03	0.0	-3.87e-05
1557	212	-10.77	-5.98	-0.04	9.22e-04	0.0	-3.74e-04
1557	233	4.71	12.69	-0.04	-2.16e-03	0.0	2.28e-04
1557	234	0.90	-10.39	-0.07	1.67e-03	0.0	-4.78e-05
1557	264	-0.52	0.37	-0.05	-1.26e-04	0.0	1.60e-05
1557	276	-0.07	1.01	-0.05	-1.72e-04	0.0	5.38e-05
1557	285	-0.06	-0.16	-0.06	-4.21e-05	0.0	-1.69e-05
1557	305	-0.16	0.30	-0.05	-1.08e-04	0.0	9.50e-06
1557	307	-0.07	0.43	-0.05	-1.17e-04	0.0	1.70e-05
1557	308	-0.05	0.11	-0.06	-6.24e-05	0.0	0.0
1557	309	-0.05	0.18	-0.06	-6.75e-05	0.0	5.23e-06
1557	310	-0.07	0.29	-0.05	-1.07e-04	0.0	8.19e-06
1558	15	0.26	0.27	-0.08	-8.92e-05	0.0	1.58e-06

1558	44	-0.91	0.63	-0.02	-1.81e-04	0.0	2.42e-05
1558	68	-0.15	1.62	-0.05	-2.03e-04	0.0	5.88e-05
1558	113	9.19	5.19	-0.37	-7.88e-04	0.0	3.09e-04
1558	116	-9.41	-4.50	0.28	5.74e-04	0.0	-2.93e-04
1558	137	4.01	10.05	-0.18	-1.49e-03	0.0	1.76e-04
1558	145	10.35	5.83	-0.41	-8.78e-04	0.0	3.47e-04
1558	148	-10.56	-5.14	0.32	6.64e-04	0.0	-3.31e-04
1558	169	4.53	11.32	-0.20	-1.67e-03	0.0	1.97e-04
1558	177	10.25	6.02	-0.40	-9.02e-04	0.0	3.45e-04
1558	180	-10.47	-5.32	0.31	6.89e-04	0.0	-3.29e-04
1558	201	4.52	11.62	-0.20	-1.72e-03	0.0	1.95e-04
1558	209	12.02	7.15	-0.47	-1.06e-03	0.0	4.06e-04
1558	212	-12.24	-6.45	0.38	8.48e-04	0.0	-3.90e-04
1558	233	5.33	13.76	-0.22	-2.02e-03	0.0	2.28e-04
1558	248	0.17	0.19	-0.06	-6.48e-05	0.0	1.52e-06
1558	264	-0.61	0.43	-0.02	-1.26e-04	0.0	1.66e-05
1558	276	-0.11	1.10	-0.04	-1.41e-04	0.0	3.97e-05
1558	302	-0.03	0.21	-0.05	-6.68e-05	0.0	4.43e-06
1558	305	-0.21	0.36	-0.04	-1.08e-04	0.0	9.47e-06
1558	307	-0.11	0.49	-0.04	-1.11e-04	0.0	1.41e-05
1558	309	-0.07	0.22	-0.05	-6.73e-05	0.0	5.15e-06
1558	310	-0.11	0.35	-0.04	-1.07e-04	0.0	8.02e-06
1559	44	-0.91	0.62	-0.06	-1.80e-04	0.0	2.42e-05
1559	68	-0.15	1.60	-0.06	-2.10e-04	0.0	5.85e-05
1559	89	-0.11	-0.23	-0.08	-7.45e-05	0.0	-1.56e-05
1559	116	-9.41	-4.47	-0.05	5.74e-04	0.0	-2.93e-04
1559	137	4.01	10.02	-0.04	-1.49e-03	0.0	1.76e-04
1559	138	0.82	-7.99	-0.07	1.09e-03	0.0	-2.69e-05
1559	148	-10.57	-5.11	-0.05	6.64e-04	0.0	-3.31e-04
1559	169	4.53	11.29	-0.04	-1.68e-03	0.0	1.97e-04
1559	170	0.93	-9.09	-0.07	1.25e-03	0.0	-3.16e-05
1559	180	-10.47	-5.28	-0.05	6.89e-04	0.0	-3.29e-04
1559	201	4.52	11.58	-0.04	-1.72e-03	0.0	1.95e-04
1559	202	0.86	-9.34	-0.07	1.29e-03	0.0	-3.18e-05
1559	212	-12.24	-6.41	-0.05	8.48e-04	0.0	-3.89e-04
1559	233	5.33	13.72	-0.04	-2.02e-03	0.0	2.28e-04
1559	234	0.98	-11.18	-0.07	1.55e-03	0.0	-3.94e-05
1559	264	-0.61	0.43	-0.05	-1.25e-04	0.0	1.66e-05
1559	276	-0.11	1.08	-0.05	-1.45e-04	0.0	3.94e-05
1559	285	-0.08	-0.13	-0.06	-5.49e-05	0.0	-9.92e-06
1559	305	-0.21	0.35	-0.05	-1.08e-04	0.0	9.47e-06
1559	307	-0.11	0.48	-0.05	-1.12e-04	0.0	1.40e-05
1559	308	-0.08	0.14	-0.06	-6.48e-05	0.0	2.14e-06
1559	309	-0.07	0.21	-0.06	-6.73e-05	0.0	5.15e-06
1559	310	-0.11	0.35	-0.05	-1.07e-04	0.0	8.02e-06
1560	41	-0.72	0.30	-0.11	-1.00e-04	0.0	1.70e-05
1560	44	-0.77	0.52	-0.10	-1.80e-04	0.0	2.34e-05
1560	68	-0.10	1.47	-0.07	-2.56e-04	0.0	7.67e-05
1560	116	-8.28	-4.15	-0.41	6.27e-04	0.0	-2.80e-04
1560	137	3.55	9.23	0.11	-1.59e-03	0.0	1.74e-04
1560	148	-9.29	-4.74	-0.45	7.23e-04	0.0	-3.16e-04
1560	169	4.00	10.40	0.13	-1.79e-03	0.0	1.95e-04
1560	180	-9.21	-4.90	-0.45	7.49e-04	0.0	-3.15e-04
1560	201	4.00	10.67	0.13	-1.84e-03	0.0	1.94e-04
1560	212	-10.77	-5.93	-0.52	9.20e-04	0.0	-3.73e-04
1560	233	4.71	12.65	0.16	-2.16e-03	0.0	2.26e-04
1560	261	-0.49	0.21	-0.08	-7.19e-05	0.0	1.18e-05
1560	264	-0.52	0.36	-0.08	-1.26e-04	0.0	1.60e-05
1560	276	-0.07	0.99	-0.05	-1.76e-04	0.0	5.16e-05
1560	304	-0.14	0.19	-0.07	-6.84e-05	0.0	6.53e-06
1560	305	-0.16	0.30	-0.06	-1.08e-04	0.0	9.49e-06
1560	307	-0.07	0.42	-0.06	-1.18e-04	0.0	1.66e-05
1560	309	-0.05	0.18	-0.06	-6.75e-05	0.0	5.22e-06
1560	310	-0.07	0.29	-0.06	-1.07e-04	0.0	8.17e-06
1561	41	-0.84	0.35	-0.11	-9.97e-05	0.0	1.80e-05
1561	44	-0.91	0.61	-0.10	-1.80e-04	0.0	2.42e-05
1561	68	-0.15	1.58	-0.07	-2.17e-04	0.0	5.80e-05
1561	116	-9.41	-4.44	-0.37	5.75e-04	0.0	-2.93e-04
1561	137	4.01	9.99	0.09	-1.50e-03	0.0	1.76e-04
1561	148	-10.56	-5.08	-0.41	6.65e-04	0.0	-3.31e-04
1561	169	4.53	11.25	0.11	-1.68e-03	0.0	1.98e-04
1561	180	-10.47	-5.25	-0.41	6.89e-04	0.0	-3.29e-04
1561	201	4.52	11.55	0.11	-1.72e-03	0.0	1.96e-04
1561	212	-12.24	-6.37	-0.47	8.48e-04	0.0	-3.90e-04
1561	233	5.33	13.68	0.14	-2.03e-03	0.0	2.28e-04

1561	261	-0.56	0.25	-0.08	-7.18e-05	0.0	1.24e-05
1561	264	-0.61	0.42	-0.07	-1.25e-04	0.0	1.66e-05
1561	276	-0.11	1.07	-0.05	-1.50e-04	0.0	3.92e-05
1561	304	-0.17	0.22	-0.07	-6.82e-05	0.0	6.61e-06
1561	305	-0.21	0.35	-0.06	-1.08e-04	0.0	9.47e-06
1561	307	-0.11	0.48	-0.06	-1.13e-04	0.0	1.40e-05
1561	309	-0.07	0.21	-0.06	-6.73e-05	0.0	5.15e-06
1561	310	-0.11	0.34	-0.06	-1.07e-04	0.0	8.02e-06
1562	15	0.27	0.31	-0.09	-8.90e-05	0.0	0.0
1562	44	-1.03	0.72	-0.04	-1.80e-04	0.0	2.48e-05
1562	68	-0.19	1.70	-0.06	-1.78e-04	0.0	3.52e-05
1562	113	10.15	5.57	-0.28	-7.50e-04	0.0	3.21e-04
1562	116	-10.43	-4.76	0.18	5.37e-04	0.0	-3.05e-04
1562	137	4.42	10.75	-0.09	-1.42e-03	0.0	1.76e-04
1562	145	11.43	6.25	-0.31	-8.35e-04	0.0	3.60e-04
1562	148	-11.71	-5.45	0.21	6.22e-04	0.0	-3.44e-04
1562	169	5.00	12.11	-0.09	-1.60e-03	0.0	1.97e-04
1562	177	11.32	6.44	-0.31	-8.59e-04	0.0	3.58e-04
1562	180	-11.60	-5.64	0.20	6.45e-04	0.0	-3.42e-04
1562	201	4.99	12.43	-0.09	-1.64e-03	0.0	1.94e-04
1562	209	13.29	7.65	-0.35	-1.01e-03	0.0	4.20e-04
1562	212	-13.56	-6.85	0.25	7.96e-04	0.0	-4.05e-04
1562	233	5.90	14.72	-0.09	-1.93e-03	0.0	2.26e-04
1562	248	0.18	0.23	-0.07	-6.47e-05	0.0	1.10e-06
1562	264	-0.69	0.50	-0.03	-1.25e-04	0.0	1.70e-05
1562	276	-0.13	1.15	-0.05	-1.24e-04	0.0	2.39e-05
1562	302	-0.04	0.24	-0.06	-6.66e-05	0.0	4.27e-06
1562	305	-0.25	0.41	-0.05	-1.08e-04	0.0	9.41e-06
1562	307	-0.13	0.54	-0.05	-1.07e-04	0.0	1.08e-05
1562	309	-0.09	0.25	-0.06	-6.71e-05	0.0	5.06e-06
1562	310	-0.14	0.40	-0.05	-1.07e-04	0.0	7.82e-06
1563	44	-1.02	0.71	-0.06	-1.80e-04	0.0	2.48e-05
1563	68	-0.19	1.69	-0.06	-1.86e-04	0.0	3.57e-05
1563	89	-0.14	-0.18	-0.08	-8.61e-05	0.0	-4.46e-06
1563	116	-10.42	-4.74	-0.05	5.38e-04	0.0	-3.05e-04
1563	137	4.42	10.72	-0.05	-1.43e-03	0.0	1.76e-04
1563	138	0.88	-8.50	-0.07	1.03e-03	0.0	-1.99e-05
1563	148	-11.70	-5.41	-0.05	6.23e-04	0.0	-3.45e-04
1563	169	5.00	12.08	-0.04	-1.60e-03	0.0	1.97e-04
1563	170	1.00	-9.67	-0.07	1.18e-03	0.0	-2.36e-05
1563	180	-11.59	-5.60	-0.05	6.46e-04	0.0	-3.43e-04
1563	201	4.99	12.40	-0.04	-1.64e-03	0.0	1.94e-04
1563	202	0.92	-9.95	-0.07	1.22e-03	0.0	-2.31e-05
1563	212	-13.56	-6.81	-0.05	7.96e-04	0.0	-4.05e-04
1563	233	5.89	14.68	-0.04	-1.93e-03	0.0	2.26e-04
1563	234	1.05	-11.91	-0.08	1.47e-03	0.0	-2.89e-05
1563	264	-0.69	0.49	-0.05	-1.25e-04	0.0	1.70e-05
1563	276	-0.13	1.15	-0.05	-1.29e-04	0.0	2.42e-05
1563	285	-0.10	-0.10	-0.06	-6.27e-05	0.0	-2.51e-06
1563	305	-0.25	0.41	-0.05	-1.08e-04	0.0	9.41e-06
1563	307	-0.13	0.54	-0.05	-1.08e-04	0.0	1.09e-05
1563	308	-0.10	0.18	-0.06	-6.62e-05	0.0	3.55e-06
1563	309	-0.09	0.25	-0.06	-6.71e-05	0.0	5.06e-06
1563	310	-0.14	0.40	-0.06	-1.07e-04	0.0	7.83e-06
1564	15	0.29	0.36	-0.10	-1.32e-04	3.05e-05	0.0
1564	44	-1.02	0.81	-0.07	-2.40e-04	3.79e-05	2.54e-05
1564	68	-0.18	1.78	-0.08	-3.82e-04	4.48e-05	9.47e-06
1564	114	8.38	0.03	-0.18	-9.25e-05	2.02e-04	1.74e-04
1564	116	-10.65	-5.01	0.03	4.68e-04	-1.77e-04	-3.17e-04
1564	137	4.53	11.43	-0.08	-1.35e-03	5.92e-05	1.76e-04
1564	146	9.42	-0.03	-0.19	-8.52e-05	2.23e-04	1.94e-04
1564	148	-11.96	-5.74	0.04	5.49e-04	-2.02e-04	-3.57e-04
1564	169	5.12	12.87	-0.09	-1.51e-03	6.28e-05	1.97e-04
1564	178	9.24	-0.08	-0.19	-7.96e-05	2.20e-04	1.87e-04
1564	180	-11.84	-5.94	0.04	5.71e-04	-2.00e-04	-3.55e-04
1564	201	5.11	13.21	-0.09	-1.54e-03	6.19e-05	1.93e-04
1564	210	10.77	-0.23	-0.21	-6.32e-05	2.51e-04	2.15e-04
1564	212	-13.85	-7.22	0.06	7.14e-04	-2.38e-04	-4.19e-04
1564	233	6.03	15.64	-0.09	-1.81e-03	6.71e-05	2.24e-04
1564	248	0.19	0.26	-0.07	-9.60e-05	2.18e-05	0.0
1564	264	-0.69	0.56	-0.06	-1.68e-04	2.67e-05	1.74e-05
1564	276	-0.12	1.21	-0.06	-2.62e-04	3.13e-05	6.78e-06
1564	302	-0.03	0.28	-0.07	-9.64e-05	1.92e-05	4.06e-06
1564	305	-0.24	0.46	-0.07	-1.44e-04	2.76e-05	9.29e-06
1564	307	-0.13	0.59	-0.07	-1.63e-04	2.85e-05	7.16e-06

1564	309	-0.09	0.28	-0.07	-9.65e-05	1.85e-05	4.92e-06
1564	310	-0.13	0.45	-0.07	-1.44e-04	2.89e-05	7.57e-06
1565	44	-1.02	0.80	-0.07	-2.40e-04	4.06e-05	2.53e-05
1565	68	-0.18	1.77	-0.07	-3.80e-04	4.89e-05	9.98e-06
1565	89	-0.14	-0.13	-0.09	-6.21e-05	2.87e-05	7.88e-06
1565	116	-10.65	-4.99	-0.05	4.67e-04	-1.83e-04	-3.17e-04
1565	137	4.54	11.40	-0.05	-1.35e-03	6.10e-05	1.76e-04
1565	138	0.92	-8.99	-0.08	8.93e-04	1.19e-04	-1.34e-05
1565	148	-11.96	-5.71	-0.05	5.48e-04	-2.09e-04	-3.58e-04
1565	169	5.12	12.84	-0.05	-1.51e-03	6.45e-05	1.97e-04
1565	170	1.03	-10.23	-0.08	1.03e-03	1.30e-04	-1.61e-05
1565	180	-11.85	-5.91	-0.05	5.69e-04	-2.06e-04	-3.56e-04
1565	201	5.12	13.18	-0.05	-1.54e-03	6.34e-05	1.93e-04
1565	202	0.95	-10.53	-0.08	1.06e-03	1.29e-04	-1.49e-05
1565	212	-13.86	-7.18	-0.05	7.12e-04	-2.47e-04	-4.20e-04
1565	233	6.04	15.60	-0.04	-1.81e-03	6.84e-05	2.25e-04
1565	234	1.09	-12.61	-0.08	1.29e-03	1.46e-04	-1.88e-05
1565	264	-0.69	0.55	-0.05	-1.68e-04	2.87e-05	1.73e-05
1565	276	-0.12	1.20	-0.05	-2.61e-04	3.42e-05	7.12e-06
1565	285	-0.10	-0.07	-0.07	-4.92e-05	2.07e-05	5.71e-06
1565	305	-0.24	0.46	-0.06	-1.44e-04	2.97e-05	9.24e-06
1565	307	-0.13	0.59	-0.06	-1.62e-04	3.08e-05	7.19e-06
1565	308	-0.09	0.21	-0.07	-8.70e-05	2.01e-05	5.05e-06
1565	309	-0.09	0.28	-0.07	-9.65e-05	2.00e-05	4.88e-06
1565	310	-0.13	0.45	-0.06	-1.44e-04	3.11e-05	7.52e-06
1566	41	-0.94	0.40	-0.10	-9.96e-05	0.0	1.88e-05
1566	44	-1.03	0.70	-0.08	-1.80e-04	0.0	2.48e-05
1566	68	-0.19	1.68	-0.06	-1.94e-04	0.0	3.58e-05
1566	116	-10.43	-4.71	-0.27	5.39e-04	0.0	-3.06e-04
1566	137	4.43	10.70	0.05	-1.43e-03	0.0	1.76e-04
1566	148	-11.71	-5.39	-0.30	6.24e-04	0.0	-3.45e-04
1566	169	5.00	12.05	0.06	-1.60e-03	0.0	1.97e-04
1566	180	-11.60	-5.57	-0.30	6.47e-04	0.0	-3.43e-04
1566	201	4.99	12.37	0.07	-1.64e-03	0.0	1.94e-04
1566	212	-13.56	-6.76	-0.34	7.97e-04	0.0	-4.05e-04
1566	233	5.90	14.64	0.09	-1.93e-03	0.0	2.26e-04
1566	261	-0.63	0.29	-0.07	-7.17e-05	0.0	1.30e-05
1566	264	-0.69	0.49	-0.06	-1.25e-04	0.0	1.70e-05
1566	276	-0.13	1.14	-0.05	-1.35e-04	0.0	2.44e-05
1566	304	-0.20	0.25	-0.06	-6.81e-05	0.0	6.65e-06
1566	305	-0.25	0.40	-0.06	-1.08e-04	0.0	9.41e-06
1566	307	-0.13	0.54	-0.06	-1.10e-04	0.0	1.09e-05
1566	309	-0.09	0.25	-0.06	-6.72e-05	0.0	5.06e-06
1566	310	-0.14	0.40	-0.06	-1.07e-04	0.0	7.83e-06
1567	41	-0.95	0.45	-0.08	-1.35e-04	2.16e-05	1.91e-05
1567	44	-1.02	0.79	-0.06	-2.40e-04	4.80e-05	2.48e-05
1567	68	-0.18	1.77	-0.05	-3.79e-04	5.58e-05	1.04e-05
1567	116	-10.65	-4.96	-0.15	4.66e-04	-1.68e-04	-3.18e-04
1567	137	4.54	11.38	2.39e-03	-1.35e-03	6.32e-05	1.76e-04
1567	148	-11.96	-5.68	-0.16	5.47e-04	-1.93e-04	-3.59e-04
1567	169	5.13	12.82	9.40e-03	-1.51e-03	6.65e-05	1.97e-04
1567	180	-11.85	-5.87	-0.16	5.68e-04	-1.90e-04	-3.56e-04
1567	201	5.12	13.15	0.01	-1.54e-03	6.53e-05	1.93e-04
1567	212	-13.86	-7.14	-0.18	7.11e-04	-2.29e-04	-4.21e-04
1567	233	6.04	15.57	0.02	-1.81e-03	7.00e-05	2.25e-04
1567	261	-0.64	0.32	-0.06	-9.75e-05	1.62e-05	1.32e-05
1567	264	-0.69	0.55	-0.05	-1.68e-04	3.39e-05	1.70e-05
1567	276	-0.12	1.20	-0.04	-2.60e-04	3.91e-05	7.38e-06
1567	304	-0.20	0.29	-0.06	-9.67e-05	2.15e-05	6.40e-06
1567	305	-0.24	0.46	-0.05	-1.44e-04	3.40e-05	9.01e-06
1567	307	-0.13	0.59	-0.05	-1.62e-04	3.50e-05	7.08e-06
1567	309	-0.09	0.28	-0.06	-9.65e-05	2.28e-05	4.69e-06
1567	310	-0.13	0.45	-0.05	-1.44e-04	3.53e-05	7.30e-06
1568	28	-0.29	0.23	0.26	-2.02e-04	0.0	1.41e-05
1568	43	-0.48	0.20	0.22	-1.63e-04	0.0	1.60e-05
1568	68	-3.69e-03	1.41	0.19	-1.17e-03	0.0	-1.05e-04
1568	116	-5.75	-2.96	0.61	7.35e-04	0.0	-1.89e-04
1568	137	2.51	6.34	-0.11	-1.82e-03	0.0	1.42e-04
1568	148	-6.46	-3.36	0.67	8.45e-04	0.0	-2.13e-04
1568	169	2.83	7.16	-0.14	-2.05e-03	0.0	1.59e-04
1568	180	-6.40	-3.45	0.66	8.70e-04	0.0	-2.13e-04
1568	201	2.82	7.34	-0.14	-2.10e-03	0.0	1.60e-04
1568	212	-7.49	-4.14	0.76	1.06e-03	0.0	-2.53e-04
1568	233	3.31	8.71	-0.18	-2.47e-03	0.0	1.88e-04
1568	256	-0.20	0.16	0.18	-1.40e-04	0.0	9.63e-06

1568	263	-0.32	0.14	0.15	-1.14e-04	0.0	1.09e-05
1568	276	-2.72e-03	0.94	0.13	-7.88e-04	0.0	-7.00e-05
1568	298	-6.15e-03	0.12	0.12	-1.13e-04	0.0	4.80e-06
1568	305	-0.07	0.11	0.12	-1.06e-04	0.0	5.72e-06
1568	307	-5.48e-03	0.27	0.11	-2.40e-04	0.0	-1.05e-05
1568	310	-5.99e-03	0.11	0.11	-1.06e-04	0.0	4.50e-06
1569	4	-0.06	0.85	-0.41	-2.72e-04	2.14e-05	9.90e-06
1569	44	-1.28	0.82	-0.36	-2.39e-04	1.07e-05	2.47e-05
1569	68	-0.29	1.78	-0.36	-3.08e-04	2.24e-05	9.62e-06
1569	118	7.73	-0.08	-0.24	-9.54e-05	2.33e-05	2.24e-04
1569	123	-8.96	3.10	-0.22	-4.08e-04	-7.65e-06	6.68e-05
1569	137	1.14	11.48	-0.23	-1.21e-03	4.83e-05	1.74e-04
1569	150	8.71	-0.15	-0.24	-8.91e-05	2.50e-05	2.50e-04
1569	155	-10.04	3.45	-0.22	-4.44e-04	-9.70e-06	7.48e-05
1569	169	1.30	12.93	-0.23	-1.35e-03	5.34e-05	1.94e-04
1569	182	8.56	-0.16	-0.24	-8.84e-05	2.47e-05	2.47e-04
1569	187	-9.89	3.58	-0.22	-4.56e-04	-8.84e-06	7.81e-05
1569	201	1.27	13.28	-0.23	-1.38e-03	5.44e-05	1.90e-04
1569	214	10.01	-0.27	-0.24	-8.00e-05	2.72e-05	2.87e-04
1569	219	-11.46	4.24	-0.22	-5.21e-04	-1.14e-05	9.33e-05
1569	233	1.51	15.72	-0.23	-1.61e-03	6.29e-05	2.21e-04
1569	244	-0.05	0.59	-0.29	-1.89e-04	1.47e-05	7.03e-06
1569	264	-0.86	0.57	-0.26	-1.67e-04	7.55e-06	1.69e-05
1569	276	-0.20	1.21	-0.26	-2.13e-04	1.53e-05	6.84e-06
1569	298	-0.20	0.49	-0.24	-1.51e-04	1.00e-05	7.59e-06
1569	305	-0.32	0.47	-0.23	-1.43e-04	8.61e-06	8.88e-06
1569	307	-0.19	0.60	-0.23	-1.53e-04	1.02e-05	6.86e-06
1569	310	-0.19	0.46	-0.23	-1.43e-04	9.45e-06	7.16e-06
1570	44	-1.19	0.72	-0.30	-1.80e-04	0.0	2.35e-05
1570	68	-0.26	1.62	-0.30	-3.08e-04	0.0	1.02e-05
1570	76	-0.32	0.47	-0.34	-1.64e-04	0.0	1.38e-05
1570	123	-8.38	2.85	-0.19	-4.42e-04	0.0	6.91e-05
1570	137	1.08	10.71	-0.18	-1.51e-03	0.0	1.76e-04
1570	140	-1.42	-9.91	-0.21	1.29e-03	0.0	-1.62e-04
1570	155	-9.40	3.17	-0.19	-4.87e-04	0.0	7.75e-05
1570	169	1.23	12.07	-0.18	-1.69e-03	0.0	1.98e-04
1570	172	-1.57	-11.26	-0.21	1.47e-03	0.0	-1.84e-04
1570	187	-9.25	3.30	-0.19	-5.02e-04	0.0	8.09e-05
1570	201	1.20	12.38	-0.18	-1.73e-03	0.0	1.95e-04
1570	204	-1.54	-11.58	-0.21	1.52e-03	0.0	-1.81e-04
1570	219	-10.73	3.90	-0.19	-5.84e-04	0.0	9.68e-05
1570	233	1.42	14.66	-0.18	-2.04e-03	0.0	2.27e-04
1570	236	-1.76	-13.86	-0.21	1.83e-03	0.0	-2.13e-04
1570	264	-0.80	0.50	-0.22	-1.25e-04	0.0	1.61e-05
1570	276	-0.18	1.10	-0.21	-2.11e-04	0.0	7.19e-06
1570	280	-0.22	0.33	-0.24	-1.14e-04	0.0	9.64e-06
1570	298	-0.18	0.43	-0.20	-1.14e-04	0.0	7.41e-06
1570	305	-0.29	0.41	-0.20	-1.08e-04	0.0	8.59e-06
1570	307	-0.17	0.53	-0.20	-1.25e-04	0.0	6.81e-06
1570	310	-0.17	0.40	-0.20	-1.07e-04	0.0	6.99e-06
1571	28	-0.29	0.34	0.29	-2.02e-04	0.0	1.56e-05
1571	41	-0.50	0.17	0.14	-9.39e-05	0.0	1.31e-05
1571	68	9.58e-03	2.04	0.21	-9.20e-04	-7.64e-06	-2.09e-04
1571	113	6.08	3.68	-0.45	-9.14e-04	-3.94e-06	2.51e-04
1571	116	-6.07	-3.35	0.69	7.02e-04	3.88e-06	-2.40e-04
1571	137	2.67	7.31	-0.13	-1.75e-03	-6.47e-06	1.79e-04
1571	145	6.83	4.14	-0.52	-1.02e-03	-4.46e-06	2.82e-04
1571	148	-6.83	-3.80	0.76	8.08e-04	4.40e-06	-2.71e-04
1571	169	3.00	8.25	-0.17	-1.97e-03	-7.31e-06	2.02e-04
1571	177	6.76	4.24	-0.51	-1.04e-03	-4.58e-06	2.82e-04
1571	180	-6.76	-3.91	0.75	8.32e-04	4.52e-06	-2.71e-04
1571	201	2.99	8.46	-0.17	-2.02e-03	-7.48e-06	2.03e-04
1571	209	7.92	5.04	-0.62	-1.23e-03	-5.49e-06	3.33e-04
1571	212	-7.92	-4.71	0.86	1.02e-03	5.43e-06	-3.22e-04
1571	233	3.52	10.03	-0.22	-2.38e-03	-8.90e-06	2.39e-04
1571	256	-0.20	0.23	0.19	-1.40e-04	0.0	1.07e-05
1571	261	-0.33	0.12	0.10	-6.78e-05	0.0	9.00e-06
1571	276	6.70e-03	1.37	0.14	-6.19e-04	-5.09e-06	-1.39e-04
1571	298	2.18e-03	0.18	0.13	-1.13e-04	0.0	5.81e-06
1571	304	-0.07	0.10	0.07	-6.68e-05	0.0	4.46e-06
1571	307	2.58e-03	0.40	0.12	-2.06e-04	-1.04e-06	-2.36e-05
1571	310	1.89e-03	0.17	0.12	-1.06e-04	0.0	5.45e-06
1572	44	-1.20	0.77	-0.34	-2.01e-04	0.0	1.80e-05
1572	52	-0.31	1.36	-0.41	-3.10e-04	0.0	1.97e-06
1572	68	-0.26	1.63	-0.37	-3.35e-04	0.0	-2.24e-06

1572	121	7.30	3.69	-0.34	-5.99e-04	0.0	3.37e-05
1572	123	-8.37	2.98	-0.16	-5.14e-04	0.0	6.77e-05
1572	129	0.76	10.91	-0.31	-1.69e-03	0.0	2.28e-04
1572	153	8.23	4.13	-0.35	-6.63e-04	0.0	3.76e-05
1572	155	-9.39	3.33	-0.15	-5.67e-04	0.0	7.57e-05
1572	161	0.87	12.30	-0.32	-1.90e-03	0.0	2.56e-04
1572	185	8.09	4.26	-0.35	-6.83e-04	0.0	3.87e-05
1572	187	-9.24	3.46	-0.15	-5.86e-04	0.0	7.46e-05
1572	193	0.85	12.76	-0.33	-1.97e-03	0.0	2.54e-04
1572	217	9.43	5.03	-0.37	-7.98e-04	0.0	4.63e-05
1572	219	-10.72	4.09	-0.14	-6.83e-04	0.0	8.76e-05
1572	225	1.01	15.29	-0.34	-2.35e-03	0.0	3.01e-04
1572	264	-0.81	0.53	-0.24	-1.40e-04	0.0	1.22e-05
1572	268	-0.21	0.93	-0.29	-2.13e-04	0.0	1.51e-06
1572	276	-0.18	1.11	-0.26	-2.29e-04	0.0	-1.30e-06
1572	298	-0.18	0.44	-0.24	-1.25e-04	0.0	3.62e-06
1572	305	-0.30	0.43	-0.23	-1.19e-04	0.0	5.02e-06
1572	307	-0.17	0.54	-0.23	-1.37e-04	0.0	2.33e-06
1572	310	-0.17	0.41	-0.23	-1.18e-04	0.0	3.38e-06
1573	28	-0.39	0.44	0.32	-2.02e-04	0.0	1.83e-05
1573	44	-0.61	0.39	0.30	-1.73e-04	0.0	2.07e-05
1573	68	-0.03	2.47	0.23	-5.04e-04	0.0	-2.51e-05
1573	116	-7.16	-3.71	0.81	6.57e-04	0.0	-2.47e-04
1573	137	3.12	8.22	-0.17	-1.66e-03	0.0	1.88e-04
1573	148	-8.05	-4.22	0.89	7.56e-04	0.0	-2.79e-04
1573	169	3.52	9.27	-0.21	-1.87e-03	0.0	2.12e-04
1573	180	-7.97	-4.34	0.88	7.79e-04	0.0	-2.79e-04
1573	201	3.51	9.50	-0.21	-1.91e-03	0.0	2.12e-04
1573	212	-9.33	-5.23	1.01	9.53e-04	0.0	-3.31e-04
1573	233	4.13	11.26	-0.27	-2.25e-03	0.0	2.50e-04
1573	256	-0.26	0.31	0.22	-1.40e-04	0.0	1.26e-05
1573	264	-0.41	0.27	0.20	-1.21e-04	0.0	1.41e-05
1573	276	-0.02	1.66	0.16	-3.41e-04	0.0	-1.64e-05
1573	298	-0.03	0.24	0.15	-1.12e-04	0.0	6.68e-06
1573	305	-0.10	0.23	0.14	-1.06e-04	0.0	7.68e-06
1573	307	-0.02	0.50	0.14	-1.50e-04	0.0	1.57e-06
1573	310	-0.03	0.22	0.14	-1.06e-04	0.0	6.28e-06
1574	44	-1.28	0.87	-0.38	-2.68e-04	0.0	2.68e-05
1574	52	-0.34	1.52	-0.46	-3.54e-04	0.0	1.41e-05
1574	68	-0.29	1.80	-0.41	-3.48e-04	0.0	1.12e-05
1574	121	7.78	3.99	-0.37	-5.21e-04	0.0	9.93e-05
1574	123	-8.94	3.24	-0.18	-4.45e-04	0.0	6.40e-05
1574	129	0.80	11.75	-0.34	-1.32e-03	0.0	3.28e-04
1574	153	8.77	4.46	-0.38	-5.69e-04	0.0	1.11e-04
1574	155	-10.03	3.61	-0.17	-4.84e-04	0.0	7.15e-05
1574	161	0.92	13.25	-0.35	-1.47e-03	0.0	3.69e-04
1574	185	8.63	4.59	-0.38	-5.82e-04	0.0	1.11e-04
1574	187	-9.88	3.75	-0.17	-4.98e-04	0.0	7.45e-05
1574	193	0.89	13.74	-0.36	-1.52e-03	0.0	3.73e-04
1574	217	10.06	5.43	-0.40	-6.67e-04	0.0	1.31e-04
1574	219	-11.45	4.44	-0.16	-5.68e-04	0.0	8.88e-05
1574	225	1.07	16.46	-0.38	-1.80e-03	0.0	4.43e-04
1574	264	-0.86	0.61	-0.27	-1.87e-04	0.0	1.84e-05
1574	268	-0.24	1.04	-0.33	-2.45e-04	0.0	9.91e-06
1574	276	-0.20	1.22	-0.29	-2.41e-04	0.0	7.98e-06
1574	298	-0.20	0.50	-0.27	-1.69e-04	0.0	8.52e-06
1574	305	-0.32	0.49	-0.25	-1.60e-04	0.0	9.86e-06
1574	307	-0.19	0.61	-0.26	-1.71e-04	0.0	7.77e-06
1574	310	-0.19	0.47	-0.26	-1.60e-04	0.0	8.10e-06
1575	44	-1.28	0.81	-0.34	-2.38e-04	1.18e-05	2.40e-05
1575	68	-0.29	1.77	-0.34	-3.07e-04	2.51e-05	9.40e-06
1575	76	-0.36	0.55	-0.39	-2.50e-04	1.92e-05	1.40e-05
1575	123	-8.96	3.06	-0.22	-4.03e-04	-1.04e-05	6.97e-05
1575	137	1.14	11.44	-0.21	-1.20e-03	5.97e-05	1.78e-04
1575	140	-1.53	-10.53	-0.23	9.15e-04	-3.89e-05	-1.64e-04
1575	155	-10.04	3.41	-0.22	-4.38e-04	-1.28e-05	7.81e-05
1575	169	1.30	12.88	-0.21	-1.34e-03	6.61e-05	1.99e-04
1575	172	-1.69	-11.97	-0.24	1.05e-03	-4.53e-05	-1.85e-04
1575	187	-9.89	3.54	-0.22	-4.50e-04	-1.18e-05	8.15e-05
1575	201	1.27	13.22	-0.21	-1.37e-03	6.75e-05	1.95e-04
1575	204	-1.65	-12.31	-0.24	1.08e-03	-4.67e-05	-1.81e-04
1575	219	-11.47	4.19	-0.22	-5.14e-04	-1.48e-05	9.75e-05
1575	233	1.51	15.65	-0.20	-1.60e-03	7.82e-05	2.27e-04
1575	236	-1.89	-14.74	-0.24	1.32e-03	-5.75e-05	-2.13e-04
1575	264	-0.86	0.56	-0.24	-1.67e-04	8.41e-06	1.65e-05

1575	276	-0.20	1.20	-0.24	-2.13e-04	1.73e-05	6.69e-06
1575	280	-0.25	0.39	-0.28	-1.74e-04	1.34e-05	9.76e-06
1575	298	-0.20	0.48	-0.23	-1.50e-04	1.09e-05	7.37e-06
1575	305	-0.32	0.46	-0.22	-1.43e-04	9.45e-06	8.63e-06
1575	307	-0.19	0.59	-0.22	-1.52e-04	1.12e-05	6.68e-06
1575	310	-0.19	0.45	-0.22	-1.42e-04	1.04e-05	6.96e-06
1576	28	-0.87	0.79	-0.32	-2.07e-04	0.0	2.05e-05
1576	44	-1.19	0.70	-0.28	-1.79e-04	0.0	2.34e-05
1576	68	-0.26	1.61	-0.28	-3.09e-04	0.0	1.03e-05
1576	123	-8.39	2.81	-0.19	-4.41e-04	0.0	7.21e-05
1576	137	1.08	10.65	-0.15	-1.51e-03	0.0	1.84e-04
1576	144	-1.63	-9.25	-0.21	1.21e-03	0.0	-1.05e-04
1576	155	-9.41	3.13	-0.19	-4.85e-04	0.0	8.08e-05
1576	169	1.23	12.00	-0.15	-1.69e-03	0.0	2.06e-04
1576	176	-1.81	-10.52	-0.22	1.38e-03	0.0	-1.19e-04
1576	187	-9.26	3.25	-0.19	-5.01e-04	0.0	8.44e-05
1576	201	1.20	12.32	-0.15	-1.74e-03	0.0	2.04e-04
1576	208	-1.78	-10.81	-0.22	1.42e-03	0.0	-1.18e-04
1576	219	-10.74	3.85	-0.19	-5.82e-04	0.0	1.01e-04
1576	233	1.43	14.58	-0.14	-2.05e-03	0.0	2.39e-04
1576	240	-2.03	-12.94	-0.23	1.71e-03	0.0	-1.40e-04
1576	256	-0.59	0.55	-0.23	-1.43e-04	0.0	1.41e-05
1576	264	-0.80	0.49	-0.20	-1.25e-04	0.0	1.60e-05
1576	276	-0.18	1.10	-0.20	-2.11e-04	0.0	7.26e-06
1576	298	-0.18	0.42	-0.19	-1.14e-04	0.0	7.38e-06
1576	305	-0.29	0.41	-0.18	-1.08e-04	0.0	8.56e-06
1576	307	-0.17	0.53	-0.18	-1.25e-04	0.0	6.80e-06
1576	310	-0.17	0.40	-0.18	-1.07e-04	0.0	6.97e-06
1577	28	-0.94	0.90	-0.36	-2.72e-04	4.51e-06	2.02e-05
1577	44	-1.28	0.79	-0.32	-2.38e-04	1.12e-06	2.32e-05
1577	68	-0.29	1.77	-0.31	-3.07e-04	1.74e-05	9.39e-06
1577	123	-8.96	3.02	-0.21	-3.98e-04	-2.48e-05	7.38e-05
1577	137	1.14	11.39	-0.17	-1.19e-03	7.35e-05	1.85e-04
1577	144	-1.75	-9.83	-0.24	8.46e-04	-6.65e-05	-1.01e-04
1577	155	-10.05	3.37	-0.21	-4.33e-04	-2.83e-05	8.27e-05
1577	169	1.30	12.83	-0.17	-1.33e-03	8.26e-05	2.08e-04
1577	176	-1.94	-11.18	-0.24	9.75e-04	-7.58e-05	-1.14e-04
1577	187	-9.89	3.49	-0.21	-4.45e-04	-2.68e-05	8.65e-05
1577	201	1.27	13.16	-0.17	-1.36e-03	8.45e-05	2.05e-04
1577	208	-1.90	-11.50	-0.24	1.00e-03	-7.74e-05	-1.12e-04
1577	219	-11.47	4.13	-0.21	-5.07e-04	-3.10e-05	1.03e-04
1577	233	1.51	15.58	-0.16	-1.59e-03	9.96e-05	2.39e-04
1577	240	-2.17	-13.77	-0.25	1.22e-03	-9.26e-05	-1.33e-04
1577	256	-0.63	0.62	-0.26	-1.89e-04	3.33e-06	1.39e-05
1577	264	-0.86	0.55	-0.23	-1.66e-04	1.07e-06	1.59e-05
1577	276	-0.20	1.20	-0.22	-2.12e-04	1.19e-05	6.68e-06
1577	298	-0.20	0.48	-0.21	-1.50e-04	4.27e-06	7.15e-06
1577	305	-0.32	0.46	-0.21	-1.42e-04	3.14e-06	8.36e-06
1577	307	-0.19	0.59	-0.21	-1.52e-04	5.31e-06	6.51e-06
1577	310	-0.19	0.45	-0.21	-1.42e-04	4.28e-06	6.75e-06
1578	28	-0.87	0.78	-0.29	-2.07e-04	0.0	2.03e-05
1578	44	-1.19	0.69	-0.26	-1.79e-04	0.0	2.33e-05
1578	68	-0.26	1.61	-0.25	-3.09e-04	0.0	9.14e-06
1578	123	-8.39	2.77	-0.18	-4.38e-04	0.0	7.24e-05
1578	137	1.08	10.60	-0.11	-1.51e-03	0.0	1.86e-04
1578	144	-1.63	-9.20	-0.23	1.21e-03	0.0	-1.07e-04
1578	155	-9.41	3.08	-0.18	-4.82e-04	0.0	8.12e-05
1578	169	1.24	11.94	-0.10	-1.70e-03	0.0	2.09e-04
1578	176	-1.81	-10.46	-0.24	1.39e-03	0.0	-1.21e-04
1578	187	-9.27	3.20	-0.18	-4.97e-04	0.0	8.49e-05
1578	201	1.20	12.25	-0.10	-1.74e-03	0.0	2.07e-04
1578	208	-1.78	-10.75	-0.24	1.43e-03	0.0	-1.20e-04
1578	219	-10.75	3.79	-0.18	-5.78e-04	0.0	1.02e-04
1578	233	1.43	14.50	-0.08	-2.05e-03	0.0	2.42e-04
1578	240	-2.03	-12.87	-0.25	1.72e-03	0.0	-1.43e-04
1578	256	-0.59	0.54	-0.21	-1.43e-04	0.0	1.39e-05
1578	264	-0.80	0.48	-0.19	-1.24e-04	0.0	1.60e-05
1578	276	-0.18	1.09	-0.18	-2.11e-04	0.0	6.53e-06
1578	298	-0.18	0.42	-0.17	-1.14e-04	0.0	7.25e-06
1578	305	-0.29	0.40	-0.17	-1.08e-04	0.0	8.45e-06
1578	307	-0.17	0.52	-0.17	-1.25e-04	0.0	6.57e-06
1578	310	-0.17	0.39	-0.17	-1.07e-04	0.0	6.87e-06
1579	28	-0.87	0.77	-0.26	-2.06e-04	0.0	1.93e-05
1579	44	-1.19	0.68	-0.23	-1.78e-04	0.0	2.25e-05
1579	68	-0.26	1.60	-0.21	-3.07e-04	0.0	5.45e-06

1579	123	-8.40	2.73	-0.18	-4.32e-04	0.0	6.81e-05
1579	137	1.09	10.55	-0.04	-1.51e-03	0.0	1.73e-04
1579	144	-1.63	-9.15	-0.26	1.21e-03	0.0	-9.46e-05
1579	155	-9.43	3.04	-0.18	-4.75e-04	0.0	7.64e-05
1579	169	1.24	11.88	-0.02	-1.70e-03	0.0	1.94e-04
1579	176	-1.81	-10.41	-0.27	1.39e-03	0.0	-1.07e-04
1579	187	-9.28	3.15	-0.18	-4.91e-04	0.0	7.98e-05
1579	201	1.21	12.19	-0.02	-1.74e-03	0.0	1.91e-04
1579	208	-1.78	-10.70	-0.27	1.43e-03	0.0	-1.05e-04
1579	219	-10.76	3.73	-0.18	-5.71e-04	0.0	9.55e-05
1579	233	1.43	14.43	2.80e-03	-2.05e-03	0.0	2.23e-04
1579	240	-2.03	-12.80	-0.30	1.72e-03	0.0	-1.24e-04
1579	256	-0.59	0.53	-0.18	-1.43e-04	0.0	1.33e-05
1579	264	-0.80	0.47	-0.17	-1.24e-04	0.0	1.55e-05
1579	276	-0.18	1.09	-0.15	-2.10e-04	0.0	4.09e-06
1579	298	-0.18	0.41	-0.15	-1.14e-04	0.0	6.79e-06
1579	305	-0.29	0.40	-0.15	-1.08e-04	0.0	8.03e-06
1579	307	-0.17	0.52	-0.15	-1.25e-04	0.0	5.75e-06
1579	310	-0.17	0.39	-0.15	-1.07e-04	0.0	6.48e-06
1580	28	-0.94	0.87	-0.29	-2.69e-04	-1.19e-04	2.04e-05
1580	44	-1.28	0.77	-0.26	-2.35e-04	-1.04e-04	2.34e-05
1580	68	-0.29	1.76	-0.23	-3.08e-04	-7.71e-05	9.49e-06
1580	123	-8.96	2.94	-0.19	-3.88e-04	-1.30e-04	7.48e-05
1580	137	1.14	11.28	-0.05	-1.18e-03	8.61e-05	1.88e-04
1580	144	-1.75	-9.74	-0.28	8.32e-04	-2.09e-04	-1.03e-04
1580	155	-10.05	3.27	-0.20	-4.21e-04	-1.38e-04	8.39e-05
1580	169	1.30	12.71	-0.03	-1.31e-03	1.05e-04	2.11e-04
1580	176	-1.94	-11.08	-0.29	9.60e-04	-2.29e-04	-1.17e-04
1580	187	-9.89	3.39	-0.20	-4.32e-04	-1.35e-04	8.77e-05
1580	201	1.27	13.04	-0.03	-1.34e-03	1.09e-04	2.08e-04
1580	208	-1.90	-11.39	-0.30	9.88e-04	-2.32e-04	-1.15e-04
1580	219	-11.47	4.01	-0.20	-4.92e-04	-1.45e-04	1.05e-04
1580	233	1.51	15.43	-6.36e-03	-1.57e-03	1.41e-04	2.43e-04
1580	240	-2.17	-13.64	-0.32	1.20e-03	-2.64e-04	-1.36e-04
1580	256	-0.63	0.60	-0.20	-1.87e-04	-8.20e-05	1.40e-05
1580	264	-0.86	0.53	-0.19	-1.64e-04	-7.18e-05	1.60e-05
1580	276	-0.20	1.19	-0.17	-2.13e-04	-5.37e-05	6.74e-06
1580	298	-0.20	0.47	-0.17	-1.49e-04	-6.45e-05	7.26e-06
1580	305	-0.32	0.45	-0.17	-1.41e-04	-6.18e-05	8.46e-06
1580	307	-0.19	0.58	-0.16	-1.51e-04	-5.81e-05	6.61e-06
1580	310	-0.19	0.44	-0.16	-1.41e-04	-5.98e-05	6.85e-06
1581	28	-0.94	0.88	-0.33	-2.71e-04	-3.32e-05	2.02e-05
1581	44	-1.28	0.78	-0.29	-2.37e-04	-3.11e-05	2.32e-05
1581	68	-0.29	1.76	-0.28	-3.07e-04	-1.02e-05	9.74e-06
1581	123	-8.96	2.98	-0.20	-3.94e-04	-5.94e-05	7.53e-05
1581	137	1.14	11.34	-0.12	-1.19e-03	8.60e-05	1.90e-04
1581	144	-1.75	-9.79	-0.25	8.41e-04	-1.18e-04	-1.05e-04
1581	155	-10.05	3.32	-0.20	-4.28e-04	-6.47e-05	8.45e-05
1581	169	1.30	12.77	-0.12	-1.33e-03	9.92e-05	2.13e-04
1581	176	-1.94	-11.13	-0.26	9.70e-04	-1.32e-04	-1.19e-04
1581	187	-9.89	3.44	-0.20	-4.39e-04	-6.25e-05	8.84e-05
1581	201	1.27	13.10	-0.11	-1.36e-03	1.02e-04	2.10e-04
1581	208	-1.90	-11.45	-0.26	9.99e-04	-1.34e-04	-1.17e-04
1581	219	-11.47	4.07	-0.20	-5.01e-04	-6.91e-05	1.06e-04
1581	233	1.51	15.50	-0.10	-1.59e-03	1.24e-04	2.46e-04
1581	240	-2.17	-13.70	-0.27	1.22e-03	-1.56e-04	-1.39e-04
1581	256	-0.63	0.61	-0.23	-1.88e-04	-2.26e-05	1.39e-05
1581	264	-0.86	0.54	-0.21	-1.65e-04	-2.12e-05	1.59e-05
1581	276	-0.20	1.20	-0.20	-2.13e-04	-7.26e-06	6.91e-06
1581	298	-0.20	0.48	-0.19	-1.50e-04	-1.64e-05	7.18e-06
1581	305	-0.32	0.45	-0.19	-1.42e-04	-1.65e-05	8.37e-06
1581	307	-0.19	0.59	-0.19	-1.51e-04	-1.37e-05	6.58e-06
1581	310	-0.19	0.45	-0.19	-1.42e-04	-1.50e-05	6.78e-06
1582	44	-1.20	0.76	-0.34	-1.92e-04	0.0	1.72e-05
1582	52	-0.31	1.36	-0.41	-2.97e-04	0.0	1.20e-06
1582	68	-0.26	1.63	-0.36	-3.21e-04	0.0	-2.66e-06
1582	121	7.30	3.67	-0.29	-5.62e-04	0.0	3.57e-05
1582	123	-8.37	2.97	-0.19	-4.82e-04	0.0	6.97e-05
1582	137	1.08	10.83	-0.27	-1.61e-03	0.0	8.14e-06
1582	153	8.23	4.10	-0.30	-6.22e-04	0.0	4.00e-05
1582	155	-9.39	3.31	-0.18	-5.32e-04	0.0	7.80e-05
1582	161	0.87	12.22	-0.28	-1.78e-03	0.0	2.65e-04
1582	185	8.10	4.23	-0.29	-6.40e-04	0.0	4.13e-05
1582	187	-9.24	3.44	-0.18	-5.49e-04	0.0	7.71e-05
1582	193	0.85	12.67	-0.28	-1.84e-03	0.0	2.64e-04

1582	217	9.43	5.00	-0.31	-7.48e-04	0.0	4.95e-05
1582	219	-10.72	4.07	-0.17	-6.39e-04	0.0	9.06e-05
1582	225	1.02	15.19	-0.29	-2.20e-03	0.0	3.13e-04
1582	264	-0.81	0.53	-0.24	-1.33e-04	0.0	1.16e-05
1582	268	-0.21	0.93	-0.29	-2.04e-04	0.0	1.01e-06
1582	276	-0.18	1.11	-0.26	-2.20e-04	0.0	-1.57e-06
1582	298	-0.18	0.44	-0.24	-1.20e-04	0.0	3.13e-06
1582	305	-0.29	0.43	-0.23	-1.14e-04	0.0	4.57e-06
1582	307	-0.17	0.54	-0.23	-1.31e-04	0.0	1.93e-06
1582	310	-0.17	0.41	-0.23	-1.13e-04	0.0	2.95e-06
1583	28	-0.94	0.86	-0.24	-2.65e-04	-2.98e-04	2.07e-05
1583	44	-1.28	0.75	-0.23	-2.31e-04	-2.54e-04	2.36e-05
1583	68	-0.29	1.75	-0.19	-3.06e-04	-2.19e-04	9.22e-06
1583	123	-8.96	3.54	-0.20	-3.77e-04	-2.62e-04	7.40e-05
1583	137	1.14	11.24	0.06	-1.15e-03	4.98e-05	1.86e-04
1583	144	-1.75	-9.51	-0.34	8.09e-04	-3.62e-04	-1.00e-04
1583	155	-10.05	3.95	-0.21	-4.08e-04	-2.75e-04	8.30e-05
1583	169	1.30	12.66	0.08	-1.28e-03	7.62e-05	2.08e-04
1583	176	-1.94	-10.82	-0.37	9.34e-04	-3.89e-04	-1.14e-04
1583	187	-9.89	4.08	-0.20	-4.19e-04	-2.70e-04	8.68e-05
1583	201	1.27	12.98	0.09	-1.31e-03	8.09e-05	2.05e-04
1583	208	-1.90	-11.12	-0.37	9.61e-04	-3.93e-04	-1.12e-04
1583	219	-11.47	4.81	-0.21	-4.76e-04	-2.87e-04	1.04e-04
1583	233	1.51	15.36	0.13	-1.53e-03	1.25e-04	2.39e-04
1583	240	-2.17	-13.32	-0.42	1.17e-03	-4.37e-04	-1.32e-04
1583	256	-0.63	0.60	-0.17	-1.84e-04	-2.05e-04	1.42e-05
1583	264	-0.86	0.52	-0.17	-1.62e-04	-1.76e-04	1.62e-05
1583	276	-0.20	1.19	-0.14	-2.12e-04	-1.53e-04	6.56e-06
1583	298	-0.20	0.47	-0.14	-1.47e-04	-1.65e-04	7.39e-06
1583	305	-0.32	0.44	-0.14	-1.39e-04	-1.56e-04	8.59e-06
1583	307	-0.19	0.58	-0.14	-1.49e-04	-1.51e-04	6.67e-06
1583	310	-0.19	0.44	-0.14	-1.39e-04	-1.53e-04	6.97e-06
1584	28	-0.87	0.76	-0.22	-2.04e-04	0.0	1.46e-05
1584	44	-1.19	0.66	-0.21	-1.77e-04	0.0	1.82e-05
1584	68	-0.26	1.60	-0.17	-3.03e-04	0.0	-4.46e-06
1584	123	-8.42	3.29	-0.18	-4.23e-04	0.0	5.38e-05
1584	137	1.09	10.51	0.06	-1.49e-03	0.0	1.32e-05
1584	144	-1.64	-8.94	-0.32	1.19e-03	0.0	6.50e-05
1584	155	-9.44	3.68	-0.19	-4.65e-04	0.0	6.03e-05
1584	169	1.24	11.84	0.09	-1.67e-03	0.0	1.47e-05
1584	176	-1.82	-10.17	-0.34	1.36e-03	0.0	7.21e-05
1584	187	-9.30	3.79	-0.18	-4.80e-04	0.0	6.29e-05
1584	201	1.21	12.15	0.09	-1.71e-03	0.0	2.03e-05
1584	208	-1.78	-10.46	-0.35	1.40e-03	0.0	6.54e-05
1584	219	-10.78	4.49	-0.19	-5.58e-04	0.0	7.54e-05
1584	233	1.44	14.38	0.14	-2.01e-03	0.0	2.53e-05
1584	240	-2.04	-12.52	-0.39	1.69e-03	0.0	7.35e-05
1584	256	-0.59	0.52	-0.16	-1.42e-04	0.0	1.01e-05
1584	264	-0.80	0.46	-0.15	-1.23e-04	0.0	1.25e-05
1584	276	-0.18	1.09	-0.12	-2.07e-04	0.0	-2.57e-06
1584	298	-0.18	0.41	-0.13	-1.13e-04	0.0	4.49e-06
1584	305	-0.29	0.39	-0.13	-1.07e-04	0.0	5.77e-06
1584	307	-0.17	0.52	-0.12	-1.24e-04	0.0	2.75e-06
1584	310	-0.17	0.39	-0.13	-1.06e-04	0.0	4.36e-06
1585	28	-0.87	0.75	-0.20	-2.02e-04	0.0	-3.13e-06
1585	44	-1.20	0.66	-0.20	-1.75e-04	0.0	2.00e-06
1585	68	-0.26	1.61	-0.13	-2.94e-04	0.0	-2.91e-05
1585	123	-8.45	3.27	-0.23	-4.89e-04	0.0	-9.00e-05
1585	137	1.10	10.55	0.22	-1.44e-03	0.0	-5.77e-05
1585	144	-1.64	-8.97	-0.45	1.12e-03	0.0	1.24e-04
1585	155	-9.47	3.66	-0.24	-5.40e-04	0.0	-1.00e-04
1585	169	1.25	11.88	0.26	-1.62e-03	0.0	-6.49e-05
1585	176	-1.83	-10.20	-0.49	1.29e-03	0.0	1.40e-04
1585	187	-9.33	3.77	-0.24	-5.54e-04	0.0	-9.68e-05
1585	201	1.22	12.18	0.27	-1.66e-03	0.0	-6.56e-05
1585	208	-1.79	-10.49	-0.50	1.32e-03	0.0	1.39e-04
1585	219	-10.81	4.46	-0.25	-6.45e-04	0.0	-1.12e-04
1585	233	1.44	14.42	0.34	-1.95e-03	0.0	-7.74e-05
1585	240	-2.05	-12.55	-0.58	1.59e-03	0.0	1.64e-04
1585	256	-0.59	0.52	-0.14	-1.40e-04	0.0	-2.02e-06
1585	264	-0.81	0.46	-0.14	-1.22e-04	0.0	1.40e-06
1585	276	-0.18	1.09	-0.10	-2.01e-04	0.0	-1.93e-05
1585	305	-0.29	0.39	-0.12	-1.06e-04	0.0	-3.00e-06
1585	307	-0.17	0.52	-0.11	-1.22e-04	0.0	-7.14e-06
1585	310	-0.17	0.38	-0.11	-1.06e-04	0.0	-3.98e-06

1586	28	-0.94	0.85	-0.21	-2.59e-04	-6.47e-04	2.10e-05
1586	44	-1.28	0.74	-0.21	-2.25e-04	-5.45e-04	2.40e-05
1586	68	-0.29	1.75	-0.14	-3.02e-04	-5.03e-04	9.31e-06
1586	123	-8.96	3.49	-0.23	-3.59e-04	-5.04e-04	7.38e-05
1586	137	1.14	11.20	0.22	-1.11e-03	-7.47e-05	1.86e-04
1586	144	-1.75	-9.47	-0.46	7.79e-04	-6.07e-04	-1.01e-04
1586	155	-10.05	3.90	-0.24	-3.89e-04	-5.24e-04	8.27e-05
1586	169	1.30	12.61	0.26	-1.24e-03	-4.07e-05	2.08e-04
1586	176	-1.94	-10.77	-0.51	9.00e-04	-6.42e-04	-1.14e-04
1586	187	-9.89	4.02	-0.23	-3.99e-04	-5.18e-04	8.65e-05
1586	201	1.27	12.93	0.27	-1.26e-03	-3.57e-05	2.05e-04
1586	208	-1.90	-11.08	-0.52	9.26e-04	-6.46e-04	-1.12e-04
1586	219	-11.47	4.74	-0.25	-4.53e-04	-5.45e-04	1.03e-04
1586	233	1.51	15.30	0.35	-1.48e-03	2.07e-05	2.39e-04
1586	240	-2.17	-13.26	-0.59	1.13e-03	-7.03e-04	-1.33e-04
1586	256	-0.63	0.59	-0.15	-1.80e-04	-4.46e-04	1.44e-05
1586	264	-0.86	0.51	-0.15	-1.58e-04	-3.77e-04	1.64e-05
1586	276	-0.20	1.19	-0.11	-2.09e-04	-3.49e-04	6.63e-06
1586	305	-0.32	0.44	-0.12	-1.36e-04	-3.40e-04	8.75e-06
1586	307	-0.19	0.57	-0.12	-1.46e-04	-3.35e-04	6.80e-06
1586	310	-0.19	0.44	-0.12	-1.36e-04	-3.37e-04	7.11e-06
1587	41	-0.49	0.09	-0.06	-8.76e-05	0.0	1.36e-05
1587	44	-0.50	0.16	-0.04	-1.65e-04	0.0	1.75e-05
1587	68	-0.01	1.46	4.12e-03	-1.24e-03	0.0	3.61e-05
1587	116	-5.82	-2.89	-0.43	7.21e-04	0.0	-1.85e-04
1587	137	2.53	6.16	0.19	-1.79e-03	0.0	1.16e-04
1587	148	-6.54	-3.28	-0.48	8.28e-04	0.0	-2.08e-04
1587	169	2.85	6.95	0.21	-2.01e-03	0.0	1.29e-04
1587	180	-6.47	-3.34	-0.48	8.45e-04	0.0	-2.07e-04
1587	201	2.85	7.12	0.21	-2.06e-03	0.0	1.27e-04
1587	212	-7.58	-3.99	-0.56	1.03e-03	0.0	-2.46e-04
1587	233	3.35	8.44	0.25	-2.43e-03	0.0	1.49e-04
1587	261	-0.33	0.06	-0.05	-6.34e-05	0.0	9.32e-06
1587	264	-0.33	0.11	-0.03	-1.15e-04	0.0	1.19e-05
1587	276	-9.57e-03	0.98	-6.30e-04	-8.35e-04	0.0	2.43e-05
1587	304	-0.07	0.06	-0.02	-6.43e-05	0.0	4.37e-06
1587	305	-0.08	0.10	-0.01	-1.02e-04	0.0	6.30e-06
1587	307	-0.01	0.27	-7.27e-03	-2.47e-04	0.0	8.78e-06
1587	309	-9.15e-03	0.06	-0.02	-6.45e-05	0.0	3.13e-06
1587	310	-0.01	0.10	-7.71e-03	-1.03e-04	0.0	5.06e-06
1588	41	-0.52	0.13	-0.08	-8.76e-05	0.0	1.49e-05
1588	44	-0.53	0.25	-0.05	-1.65e-04	0.0	1.93e-05
1588	68	-0.02	2.16	5.24e-03	-9.31e-04	0.0	-7.81e-05
1588	116	-6.15	-3.27	-0.53	6.82e-04	0.0	-2.16e-04
1588	137	2.67	7.11	0.23	-1.71e-03	0.0	-1.07e-05
1588	148	-6.91	-3.72	-0.59	7.84e-04	0.0	-2.44e-04
1588	169	3.01	8.02	0.26	-1.92e-03	0.0	-1.27e-05
1588	180	-6.84	-3.79	-0.59	8.01e-04	0.0	-2.42e-04
1588	201	3.01	8.22	0.26	-1.96e-03	0.0	-9.66e-06
1588	212	-8.01	-4.54	-0.69	9.74e-04	0.0	-2.86e-04
1588	233	3.54	9.74	0.31	-2.32e-03	0.0	-1.15e-05
1588	261	-0.35	0.09	-0.06	-6.34e-05	0.0	1.02e-05
1588	264	-0.35	0.17	-0.04	-1.15e-04	0.0	1.32e-05
1588	276	-0.02	1.45	-3.64e-04	-6.26e-04	0.0	-5.18e-05
1588	304	-0.08	0.09	-0.03	-6.42e-05	0.0	4.85e-06
1588	305	-0.09	0.15	-0.02	-1.02e-04	0.0	7.01e-06
1588	307	-0.02	0.41	-8.30e-03	-2.05e-04	0.0	-5.98e-06
1588	309	-0.01	0.09	-0.02	-6.44e-05	0.0	3.51e-06
1588	310	-0.02	0.15	-8.86e-03	-1.03e-04	0.0	5.66e-06
1589	41	-0.60	0.18	-0.09	-8.76e-05	0.0	1.62e-05
1589	44	-0.62	0.34	-0.06	-1.65e-04	0.0	2.11e-05
1589	68	-0.03	2.57	5.28e-03	-4.85e-04	0.0	-7.89e-05
1589	116	-7.16	-3.62	-0.65	6.33e-04	0.0	-2.40e-04
1589	137	3.12	7.99	0.29	-1.61e-03	0.0	-2.95e-05
1589	148	-8.04	-4.12	-0.73	7.28e-04	0.0	-2.71e-04
1589	169	3.51	9.01	0.32	-1.80e-03	0.0	-3.42e-05
1589	180	-7.97	-4.20	-0.72	7.45e-04	0.0	-2.69e-04
1589	201	3.51	9.22	0.32	-1.84e-03	0.0	-3.35e-05
1589	212	-9.33	-5.04	-0.85	9.08e-04	0.0	-3.19e-04
1589	233	4.13	10.92	0.38	-2.17e-03	0.0	-4.06e-05
1589	261	-0.40	0.13	-0.07	-6.34e-05	0.0	1.11e-05
1589	264	-0.41	0.23	-0.05	-1.15e-04	0.0	1.44e-05
1589	276	-0.02	1.72	-8.14e-04	-3.28e-04	0.0	-5.23e-05
1589	304	-0.10	0.13	-0.03	-6.42e-05	0.0	5.37e-06
1589	305	-0.10	0.21	-0.02	-1.02e-04	0.0	7.78e-06

1589	307	-0.03	0.50	-9.99e-03	-1.45e-04	0.0	-5.56e-06
1589	309	-0.02	0.13	-0.02	-6.44e-05	0.0	3.93e-06
1589	310	-0.03	0.21	-0.01	-1.03e-04	0.0	6.35e-06
1590	28	-0.46	0.54	0.34	-2.02e-04	0.0	2.02e-05
1590	44	-0.71	0.48	0.32	-1.73e-04	0.0	2.27e-05
1590	68	-0.05	2.62	0.25	-7.84e-05	0.0	1.21e-05
1590	116	-8.06	-4.02	0.87	6.16e-04	0.0	-2.66e-04
1590	137	3.50	9.02	-0.19	-1.58e-03	0.0	1.95e-04
1590	148	-9.06	-4.58	0.96	7.10e-04	0.0	-3.01e-04
1590	169	3.95	10.17	-0.23	-1.78e-03	0.0	2.19e-04
1590	180	-8.97	-4.71	0.95	7.32e-04	0.0	-3.01e-04
1590	201	3.94	10.43	-0.23	-1.82e-03	0.0	2.19e-04
1590	212	-10.50	-5.69	1.09	8.97e-04	0.0	-3.57e-04
1590	233	4.64	12.35	-0.29	-2.14e-03	0.0	2.58e-04
1590	256	-0.31	0.38	0.23	-1.40e-04	0.0	1.38e-05
1590	264	-0.47	0.33	0.21	-1.21e-04	0.0	1.55e-05
1590	276	-0.04	1.76	0.17	-5.74e-05	0.0	8.46e-06
1590	298	-0.05	0.29	0.16	-1.12e-04	0.0	7.41e-06
1590	305	-0.13	0.28	0.15	-1.06e-04	0.0	8.48e-06
1590	307	-0.04	0.57	0.15	-9.34e-05	0.0	7.07e-06
1590	310	-0.04	0.28	0.15	-1.06e-04	0.0	6.97e-06
1591	44	-1.28	0.86	-0.38	-2.56e-04	0.0	2.83e-05
1591	52	-0.34	1.52	-0.46	-3.38e-04	0.0	1.61e-05
1591	68	-0.29	1.80	-0.40	-3.31e-04	0.0	1.29e-05
1591	121	7.78	3.94	-0.32	-5.05e-04	0.0	1.02e-04
1591	123	-8.95	3.21	-0.21	-4.33e-04	0.0	6.65e-05
1591	137	1.14	11.63	-0.30	-1.26e-03	0.0	-2.35e-06
1591	153	8.78	4.40	-0.32	-5.52e-04	0.0	1.14e-04
1591	155	-10.03	3.58	-0.20	-4.71e-04	0.0	7.42e-05
1591	169	1.30	13.10	-0.31	-1.41e-03	0.0	-3.82e-06
1591	185	8.63	4.54	-0.32	-5.65e-04	0.0	1.14e-04
1591	187	-9.88	3.71	-0.21	-4.85e-04	0.0	7.73e-05
1591	193	0.89	13.58	-0.31	-1.49e-03	0.0	3.80e-04
1591	217	10.06	5.36	-0.34	-6.49e-04	0.0	1.34e-04
1591	219	-11.45	4.39	-0.20	-5.54e-04	0.0	9.20e-05
1591	225	1.07	16.27	-0.32	-1.76e-03	0.0	4.52e-04
1591	264	-0.86	0.60	-0.27	-1.79e-04	0.0	1.94e-05
1591	268	-0.24	1.03	-0.32	-2.33e-04	0.0	1.13e-05
1591	276	-0.20	1.22	-0.29	-2.29e-04	0.0	9.17e-06
1591	298	-0.20	0.50	-0.27	-1.61e-04	0.0	9.63e-06
1591	305	-0.32	0.48	-0.25	-1.53e-04	0.0	1.09e-05
1591	307	-0.19	0.61	-0.25	-1.63e-04	0.0	8.81e-06
1591	310	-0.19	0.47	-0.25	-1.53e-04	0.0	9.12e-06
1592	28	-0.53	0.65	0.36	-2.02e-04	0.0	2.18e-05
1592	44	-0.80	0.56	0.33	-1.73e-04	0.0	2.44e-05
1592	68	-0.08	2.53	0.26	3.11e-04	0.0	2.62e-05
1592	116	-9.01	-4.32	0.90	5.78e-04	0.0	-2.82e-04
1592	137	3.91	9.79	-0.19	-1.51e-03	0.0	2.05e-04
1592	148	-10.13	-4.92	1.00	6.68e-04	0.0	-3.18e-04
1592	169	4.41	11.03	-0.23	-1.69e-03	0.0	2.30e-04
1592	180	-10.03	-5.06	0.99	6.89e-04	0.0	-3.18e-04
1592	201	4.40	11.31	-0.23	-1.73e-03	0.0	2.30e-04
1592	212	-11.74	-6.12	1.13	8.45e-04	0.0	-3.78e-04
1592	233	5.19	13.39	-0.30	-2.04e-03	0.0	2.70e-04
1592	256	-0.36	0.45	0.24	-1.40e-04	0.0	1.49e-05
1592	264	-0.54	0.39	0.22	-1.20e-04	0.0	1.67e-05
1592	276	-0.05	1.70	0.18	2.02e-04	0.0	1.79e-05
1592	298	-0.06	0.35	0.17	-1.12e-04	0.0	8.06e-06
1592	305	-0.16	0.33	0.16	-1.06e-04	0.0	9.19e-06
1592	307	-0.06	0.59	0.15	-4.14e-05	0.0	9.43e-06
1592	310	-0.06	0.33	0.15	-1.06e-04	0.0	7.59e-06
1593	4	-0.03	0.76	-0.40	-2.06e-04	0.0	4.64e-06
1593	44	-1.20	0.75	-0.34	-1.85e-04	0.0	1.93e-05
1593	68	-0.26	1.63	-0.35	-3.13e-04	0.0	1.47e-06
1593	121	7.30	3.63	-0.26	-5.36e-04	0.0	8.09e-05
1593	123	-8.37	2.95	-0.20	-4.60e-04	0.0	4.68e-05
1593	137	1.08	10.83	-0.25	-1.54e-03	0.0	1.23e-05
1593	153	8.23	4.06	-0.26	-5.92e-04	0.0	9.05e-05
1593	155	-9.39	3.29	-0.20	-5.07e-04	0.0	5.25e-05
1593	169	1.23	12.20	-0.25	-1.73e-03	0.0	1.37e-05
1593	185	8.10	4.19	-0.26	-6.10e-04	0.0	9.03e-05
1593	187	-9.25	3.41	-0.20	-5.23e-04	0.0	5.46e-05
1593	193	0.85	12.56	-0.25	-1.75e-03	0.0	3.06e-04
1593	217	9.44	4.95	-0.27	-7.12e-04	0.0	1.06e-04
1593	219	-10.72	4.04	-0.19	-6.09e-04	0.0	6.54e-05

1593	225	1.02	15.05	-0.26	-2.08e-03	0.0	3.64e-04
1593	244	-0.03	0.52	-0.28	-1.43e-04	0.0	3.37e-06
1593	264	-0.81	0.52	-0.24	-1.29e-04	0.0	1.31e-05
1593	276	-0.18	1.11	-0.25	-2.14e-04	0.0	1.26e-06
1593	298	-0.18	0.44	-0.23	-1.16e-04	0.0	4.53e-06
1593	305	-0.29	0.42	-0.22	-1.11e-04	0.0	5.89e-06
1593	307	-0.17	0.54	-0.22	-1.27e-04	0.0	3.52e-06
1593	310	-0.17	0.41	-0.22	-1.09e-04	0.0	4.28e-06
1594	4	-0.06	0.86	-0.44	-2.80e-04	0.0	1.27e-05
1594	44	-1.28	0.85	-0.38	-2.46e-04	0.0	2.72e-05
1594	68	-0.29	1.79	-0.39	-3.18e-04	0.0	1.20e-05
1594	121	7.79	3.89	-0.28	-4.92e-04	0.0	1.02e-04
1594	123	-8.95	3.17	-0.22	-4.23e-04	0.0	6.76e-05
1594	137	1.14	11.58	-0.27	-1.24e-03	0.0	-5.11e-06
1594	153	8.78	4.35	-0.29	-5.37e-04	0.0	1.14e-04
1594	155	-10.04	3.54	-0.22	-4.60e-04	0.0	7.55e-05
1594	169	1.30	13.04	-0.28	-1.38e-03	0.0	-6.89e-06
1594	185	8.64	4.48	-0.29	-5.50e-04	0.0	1.15e-04
1594	187	-9.88	3.67	-0.22	-4.73e-04	0.0	7.87e-05
1594	193	0.90	13.41	-0.28	-1.45e-03	0.0	3.85e-04
1594	217	10.07	5.30	-0.30	-6.31e-04	0.0	1.35e-04
1594	219	-11.46	4.34	-0.22	-5.41e-04	0.0	9.37e-05
1594	225	1.07	16.06	-0.29	-1.72e-03	0.0	4.58e-04
1594	244	-0.05	0.60	-0.31	-1.95e-04	0.0	8.97e-06
1594	264	-0.86	0.59	-0.27	-1.72e-04	0.0	1.86e-05
1594	276	-0.20	1.22	-0.28	-2.20e-04	0.0	8.55e-06
1594	298	-0.20	0.50	-0.26	-1.55e-04	0.0	9.12e-06
1594	305	-0.32	0.48	-0.25	-1.48e-04	0.0	1.03e-05
1594	307	-0.19	0.60	-0.25	-1.57e-04	0.0	8.32e-06
1594	310	-0.19	0.47	-0.25	-1.47e-04	0.0	8.62e-06
1595	4	-0.03	0.75	-0.38	-2.03e-04	0.0	7.42e-06
1595	44	-1.20	0.74	-0.33	-1.82e-04	0.0	2.16e-05
1595	68	-0.26	1.63	-0.34	-3.09e-04	0.0	5.91e-06
1595	121	7.31	3.59	-0.23	-5.23e-04	0.0	9.21e-05
1595	123	-8.37	2.92	-0.20	-4.49e-04	0.0	5.73e-05
1595	137	1.08	10.80	-0.23	-1.51e-03	0.0	0.0
1595	153	8.24	4.01	-0.24	-5.78e-04	0.0	1.03e-04
1595	155	-9.39	3.25	-0.20	-4.94e-04	0.0	6.42e-05
1595	169	1.23	12.17	-0.23	-1.70e-03	0.0	0.0
1595	185	8.10	4.14	-0.24	-5.95e-04	0.0	1.03e-04
1595	187	-9.25	3.38	-0.20	-5.10e-04	0.0	6.70e-05
1595	201	1.20	12.49	-0.23	-1.74e-03	0.0	3.27e-06
1595	217	9.44	4.90	-0.24	-6.94e-04	0.0	1.22e-04
1595	219	-10.72	4.00	-0.20	-5.93e-04	0.0	8.01e-05
1595	225	1.02	14.88	-0.23	-2.03e-03	0.0	4.12e-04
1595	244	-0.03	0.52	-0.27	-1.41e-04	0.0	5.30e-06
1595	264	-0.81	0.51	-0.23	-1.27e-04	0.0	1.48e-05
1595	276	-0.18	1.11	-0.24	-2.11e-04	0.0	4.29e-06
1595	298	-0.18	0.43	-0.22	-1.15e-04	0.0	6.10e-06
1595	305	-0.29	0.42	-0.21	-1.09e-04	0.0	7.37e-06
1595	307	-0.17	0.54	-0.21	-1.26e-04	0.0	5.27e-06
1595	310	-0.17	0.41	-0.21	-1.08e-04	0.0	5.75e-06
1596	4	-0.06	0.85	-0.43	-2.73e-04	1.13e-05	1.00e-05
1596	44	-1.28	0.83	-0.37	-2.40e-04	2.05e-06	2.48e-05
1596	68	-0.29	1.79	-0.38	-3.10e-04	1.32e-05	9.68e-06
1596	121	7.79	3.84	-0.26	-4.76e-04	3.65e-05	1.04e-04
1596	123	-8.95	3.14	-0.23	-4.12e-04	-1.22e-05	6.70e-05
1596	137	1.14	11.53	-0.26	-1.21e-03	3.97e-05	-1.20e-05
1596	153	8.78	4.29	-0.26	-5.20e-04	4.06e-05	1.16e-04
1596	155	-10.04	3.50	-0.22	-4.48e-04	-1.42e-05	7.50e-05
1596	169	1.30	12.99	-0.26	-1.36e-03	4.44e-05	-1.45e-05
1596	185	8.64	4.43	-0.26	-5.33e-04	4.05e-05	1.17e-04
1596	187	-9.89	3.63	-0.22	-4.61e-04	-1.34e-05	7.82e-05
1596	201	1.27	13.33	-0.26	-1.39e-03	4.53e-05	-1.31e-05
1596	217	10.07	5.23	-0.27	-6.12e-04	4.69e-05	1.38e-04
1596	219	-11.46	4.29	-0.22	-5.26e-04	-1.58e-05	9.35e-05
1596	225	1.07	15.86	-0.26	-1.67e-03	5.14e-05	4.64e-04
1596	244	-0.05	0.59	-0.30	-1.90e-04	7.58e-06	7.10e-06
1596	264	-0.86	0.58	-0.26	-1.68e-04	1.38e-06	1.70e-05
1596	276	-0.20	1.21	-0.27	-2.14e-04	8.81e-06	6.89e-06
1596	298	-0.20	0.49	-0.25	-1.52e-04	4.29e-06	7.64e-06
1596	305	-0.32	0.47	-0.24	-1.44e-04	3.16e-06	8.93e-06
1596	307	-0.19	0.60	-0.24	-1.53e-04	4.64e-06	6.91e-06
1596	310	-0.19	0.46	-0.24	-1.44e-04	3.96e-06	7.21e-06
1597	44	-1.20	0.78	-0.34	-2.13e-04	0.0	2.49e-05

1597	52	-0.31	1.37	-0.42	-3.26e-04	0.0	1.26e-05
1597	68	-0.26	1.63	-0.38	-3.51e-04	0.0	8.42e-06
1597	121	7.30	3.73	-0.43	-6.52e-04	0.0	9.06e-05
1597	123	-8.37	3.00	-0.10	-5.60e-04	0.0	5.94e-05
1597	129	0.76	11.00	-0.38	-1.85e-03	0.0	3.02e-04
1597	153	8.23	4.16	-0.45	-7.22e-04	0.0	1.01e-04
1597	155	-9.39	3.35	-0.08	-6.18e-04	0.0	6.64e-05
1597	161	0.87	12.41	-0.40	-2.08e-03	0.0	3.40e-04
1597	185	8.09	4.29	-0.45	-7.44e-04	0.0	1.02e-04
1597	187	-9.24	3.48	-0.09	-6.38e-04	0.0	6.92e-05
1597	193	0.85	12.87	-0.40	-2.16e-03	0.0	3.44e-04
1597	217	9.43	5.08	-0.48	-8.70e-04	0.0	1.19e-04
1597	219	-10.72	4.12	-0.07	-7.45e-04	0.0	8.24e-05
1597	225	1.01	15.42	-0.44	-2.58e-03	0.0	4.09e-04
1597	264	-0.81	0.54	-0.24	-1.48e-04	0.0	1.69e-05
1597	268	-0.21	0.93	-0.30	-2.24e-04	0.0	8.72e-06
1597	276	-0.18	1.11	-0.27	-2.41e-04	0.0	5.94e-06
1597	298	-0.18	0.44	-0.24	-1.32e-04	0.0	8.19e-06
1597	305	-0.30	0.43	-0.23	-1.26e-04	0.0	9.28e-06
1597	307	-0.17	0.54	-0.23	-1.45e-04	0.0	7.09e-06
1597	310	-0.17	0.42	-0.23	-1.25e-04	0.0	7.61e-06
1598	44	-1.28	0.51	-12.42	-4.17e-03	-1.61e-04	2.73e-05
1598	52	-0.35	1.31	-15.16	-5.10e-03	-1.20e-04	1.51e-05
1598	68	-0.30	1.62	-12.70	-4.24e-03	-1.06e-04	1.41e-05
1598	123	-9.00	2.12	-8.40	-2.96e-03	-5.54e-04	1.57e-04
1598	137	1.17	8.31	-11.14	-3.59e-03	1.53e-04	2.23e-04
1598	139	-3.46	10.15	-10.62	-3.79e-03	-1.52e-04	9.80e-05
1598	155	-10.09	2.35	-8.47	-3.00e-03	-6.14e-04	1.76e-04
1598	169	1.33	9.36	-11.56	-3.71e-03	1.81e-04	2.50e-04
1598	171	-3.86	11.43	-10.97	-3.94e-03	-1.63e-04	1.10e-04
1598	187	-9.93	2.43	-8.49	-3.00e-03	-6.04e-04	1.78e-04
1598	201	1.30	9.63	-11.62	-3.73e-03	1.77e-04	2.51e-04
1598	203	-3.80	11.67	-11.04	-3.95e-03	-1.60e-04	1.13e-04
1598	219	-11.51	2.86	-8.61	-3.07e-03	-6.90e-04	2.10e-04
1598	233	1.54	11.41	-12.31	-3.93e-03	2.19e-04	2.95e-04
1598	235	-4.41	13.79	-11.63	-4.19e-03	-1.75e-04	1.33e-04
1598	264	-0.86	0.36	-8.61	-2.88e-03	-1.11e-04	1.86e-05
1598	268	-0.24	0.89	-10.44	-3.51e-03	-8.40e-05	1.04e-05
1598	276	-0.21	1.09	-8.80	-2.93e-03	-7.42e-05	9.83e-06
1598	298	-0.20	0.38	-8.49	-2.87e-03	-6.85e-05	7.44e-06
1598	305	-0.32	0.35	-7.92	-2.67e-03	-7.25e-05	9.11e-06
1598	307	-0.19	0.50	-7.95	-2.68e-03	-6.51e-05	7.36e-06
1598	310	-0.19	0.36	-7.92	-2.67e-03	-6.54e-05	6.99e-06
1599	44	-1.27	0.37	-21.62	-6.33e-03	-6.91e-04	3.30e-05
1599	52	-0.35	1.22	-26.18	-7.70e-03	-7.60e-04	2.04e-05
1599	68	-0.30	1.52	-21.72	-6.35e-03	-6.49e-04	1.90e-05
1599	119	-8.20	6.54	-18.78	-5.59e-03	-1.18e-03	-1.35e-04
1599	123	-9.01	1.29	-16.79	-4.97e-03	-1.05e-03	1.76e-04
1599	139	-3.46	9.39	-17.65	-5.23e-03	-8.05e-04	1.08e-04
1599	151	-9.19	7.31	-19.38	-5.78e-03	-1.27e-03	-1.53e-04
1599	155	-10.10	1.42	-17.16	-5.08e-03	-1.12e-03	1.98e-04
1599	171	-3.86	10.56	-18.12	-5.37e-03	-8.55e-04	1.21e-04
1599	183	-9.04	7.26	-19.12	-5.68e-03	-1.26e-03	-1.49e-04
1599	187	-9.95	1.47	-17.04	-5.03e-03	-1.11e-03	2.00e-04
1599	203	-3.81	10.74	-18.01	-5.32e-03	-8.52e-04	1.24e-04
1599	215	-10.51	8.45	-19.91	-5.91e-03	-1.40e-03	-1.76e-04
1599	219	-11.53	1.71	-17.54	-5.18e-03	-1.23e-03	2.35e-04
1599	235	-4.41	12.67	-18.69	-5.52e-03	-9.29e-04	1.46e-04
1599	264	-0.86	0.26	-15.00	-4.39e-03	-4.78e-04	2.25e-05
1599	268	-0.24	0.83	-18.04	-5.30e-03	-5.24e-04	1.42e-05
1599	276	-0.21	1.03	-15.06	-4.40e-03	-4.50e-04	1.32e-05
1599	298	-0.20	0.35	-14.87	-4.37e-03	-4.31e-04	1.02e-05
1599	305	-0.32	0.31	-13.87	-4.07e-03	-4.13e-04	1.19e-05
1599	307	-0.19	0.46	-13.88	-4.07e-03	-4.08e-04	1.01e-05
1599	310	-0.19	0.33	-13.86	-4.07e-03	-4.05e-04	9.62e-06
1600	41	-0.68	0.22	-0.10	-8.76e-05	0.0	1.74e-05
1600	44	-0.71	0.42	-0.07	-1.64e-04	0.0	2.30e-05
1600	68	-0.05	2.70	3.73e-03	-3.89e-05	0.0	-7.81e-05
1600	116	-8.06	-3.92	-0.73	5.90e-04	0.0	-2.60e-04
1600	137	3.50	8.76	0.32	-1.52e-03	0.0	1.72e-04
1600	148	-9.06	-4.47	-0.82	6.80e-04	0.0	-2.94e-04
1600	169	3.95	9.88	0.36	-1.70e-03	0.0	1.93e-04
1600	180	-8.97	-4.55	-0.81	6.96e-04	0.0	-2.93e-04
1600	201	3.94	10.11	0.36	-1.74e-03	0.0	1.92e-04
1600	212	-10.50	-5.47	-0.95	8.51e-04	0.0	-3.48e-04

1600	233	4.64	11.97	0.43	-2.05e-03	0.0	2.25e-04
1600	261	-0.46	0.16	-0.07	-6.33e-05	0.0	1.20e-05
1600	264	-0.47	0.29	-0.05	-1.15e-04	0.0	1.57e-05
1600	276	-0.04	1.81	-2.24e-03	-3.09e-05	0.0	-5.17e-05
1600	304	-0.12	0.16	-0.04	-6.42e-05	0.0	5.90e-06
1600	305	-0.13	0.26	-0.02	-1.02e-04	0.0	8.57e-06
1600	307	-0.04	0.56	-0.01	-8.56e-05	0.0	-4.91e-06
1600	309	-0.03	0.16	-0.03	-6.44e-05	0.0	4.37e-06
1600	310	-0.04	0.26	-0.01	-1.03e-04	0.0	7.04e-06
1601	41	-0.77	0.27	-0.11	-8.75e-05	0.0	1.88e-05
1601	44	-0.80	0.50	-0.08	-1.64e-04	0.0	2.49e-05
1601	68	-0.08	2.57	1.24e-03	3.66e-04	0.0	-6.75e-05
1601	116	-9.00	-4.20	-0.78	5.53e-04	0.0	-2.78e-04
1601	137	3.90	9.49	0.34	-1.44e-03	0.0	1.97e-04
1601	148	-10.11	-4.79	-0.88	6.39e-04	0.0	-3.14e-04
1601	169	4.40	10.69	0.39	-1.62e-03	0.0	2.21e-04
1601	180	-10.02	-4.88	-0.87	6.54e-04	0.0	-3.14e-04
1601	201	4.39	10.95	0.39	-1.65e-03	0.0	2.21e-04
1601	212	-11.72	-5.88	-1.02	8.01e-04	0.0	-3.72e-04
1601	233	5.18	12.96	0.46	-1.95e-03	0.0	2.59e-04
1601	261	-0.51	0.19	-0.08	-6.33e-05	0.0	1.29e-05
1601	264	-0.54	0.35	-0.06	-1.15e-04	0.0	1.70e-05
1601	276	-0.06	1.73	-4.31e-03	2.39e-04	0.0	-4.46e-05
1601	304	-0.14	0.19	-0.04	-6.41e-05	0.0	6.45e-06
1601	305	-0.16	0.31	-0.03	-1.02e-04	0.0	9.39e-06
1601	307	-0.06	0.59	-0.01	-3.16e-05	0.0	-2.93e-06
1601	309	-0.04	0.19	-0.03	-6.43e-05	0.0	4.82e-06
1601	310	-0.06	0.31	-0.02	-1.02e-04	0.0	7.77e-06
1602	28	-0.60	0.75	0.38	-2.01e-04	0.0	2.29e-05
1602	44	-0.89	0.65	0.35	-1.73e-04	0.0	2.57e-05
1602	68	-0.09	2.23	0.28	6.00e-04	0.0	2.14e-05
1602	116	-9.98	-4.59	0.90	5.47e-04	0.0	-2.98e-04
1602	137	4.32	10.52	-0.18	-1.45e-03	0.0	2.10e-04
1602	148	-11.20	-5.24	0.99	6.32e-04	0.0	-3.37e-04
1602	169	4.88	11.85	-0.22	-1.62e-03	0.0	2.36e-04
1602	180	-11.10	-5.39	0.98	6.53e-04	0.0	-3.37e-04
1602	201	4.87	12.15	-0.22	-1.66e-03	0.0	2.36e-04
1602	212	-12.99	-6.53	1.12	8.02e-04	0.0	-3.99e-04
1602	233	5.74	14.38	-0.29	-1.96e-03	0.0	2.77e-04
1602	256	-0.40	0.52	0.26	-1.39e-04	0.0	1.57e-05
1602	264	-0.60	0.45	0.24	-1.20e-04	0.0	1.76e-05
1602	276	-0.07	1.50	0.19	3.95e-04	0.0	1.47e-05
1602	298	-0.08	0.41	0.18	-1.12e-04	0.0	8.52e-06
1602	305	-0.18	0.39	0.17	-1.06e-04	0.0	9.69e-06
1602	307	-0.07	0.60	0.16	-2.79e-06	0.0	9.12e-06
1602	310	-0.08	0.38	0.16	-1.06e-04	0.0	8.02e-06
1603	4	-0.03	0.75	-0.36	-2.02e-04	0.0	9.19e-06
1603	44	-1.19	0.73	-0.32	-1.81e-04	0.0	2.31e-05
1603	68	-0.26	1.63	-0.32	-3.08e-04	0.0	8.87e-06
1603	118	7.25	-0.10	-0.21	-3.43e-05	0.0	2.65e-04
1603	123	-8.38	2.88	-0.20	-4.44e-04	0.0	6.45e-05
1603	137	1.08	10.76	-0.21	-1.50e-03	0.0	-1.25e-05
1603	150	8.16	-0.16	-0.22	-2.48e-05	0.0	2.97e-04
1603	155	-9.40	3.22	-0.20	-4.89e-04	0.0	7.22e-05
1603	169	1.23	12.12	-0.21	-1.69e-03	0.0	-1.50e-05
1603	182	8.02	-0.18	-0.22	-2.38e-05	0.0	2.92e-04
1603	187	-9.25	3.34	-0.20	-5.04e-04	0.0	7.54e-05
1603	201	1.20	12.44	-0.21	-1.73e-03	0.0	-1.37e-05
1603	214	9.38	-0.27	-0.22	-1.04e-05	0.0	3.41e-04
1603	219	-10.73	3.95	-0.20	-5.86e-04	0.0	9.01e-05
1603	233	1.42	14.73	-0.21	-2.04e-03	0.0	-1.73e-05
1603	244	-0.03	0.52	-0.26	-1.40e-04	0.0	6.52e-06
1603	264	-0.80	0.51	-0.23	-1.26e-04	0.0	1.58e-05
1603	276	-0.18	1.10	-0.23	-2.11e-04	0.0	6.31e-06
1603	298	-0.18	0.43	-0.22	-1.14e-04	0.0	7.08e-06
1603	305	-0.29	0.41	-0.21	-1.08e-04	0.0	8.29e-06
1603	307	-0.17	0.53	-0.21	-1.25e-04	0.0	6.39e-06
1603	310	-0.17	0.40	-0.21	-1.07e-04	0.0	6.67e-06
1604	28	-0.72	0.85	0.42	-2.67e-04	0.0	2.09e-05
1604	44	-1.02	0.74	0.38	-2.33e-04	0.0	2.38e-05
1604	68	-0.18	1.75	0.31	-1.37e-03	0.0	0.0
1604	116	-10.63	-4.85	0.87	3.89e-04	0.0	-3.26e-04
1604	137	4.53	11.20	-0.14	-1.22e-03	0.0	1.85e-04
1604	148	-11.94	-5.54	0.96	4.58e-04	0.0	-3.67e-04
1604	169	5.12	12.62	-0.18	-1.36e-03	0.0	2.07e-04

1604	180	-11.83	-5.70	0.95	4.74e-04	0.0	-3.65e-04
1604	201	5.12	12.94	-0.18	-1.39e-03	0.0	2.04e-04
1604	212	-13.83	-6.90	1.09	5.94e-04	0.0	-4.32e-04
1604	233	6.04	15.31	-0.25	-1.62e-03	0.0	2.38e-04
1604	256	-0.49	0.59	0.28	-1.85e-04	0.0	1.43e-05
1604	264	-0.69	0.51	0.26	-1.63e-04	0.0	1.63e-05
1604	276	-0.12	1.19	0.21	-9.24e-04	0.0	1.04e-06
1604	298	-0.14	0.46	0.20	-1.47e-04	0.0	7.49e-06
1604	305	-0.24	0.44	0.19	-1.40e-04	0.0	8.68e-06
1604	307	-0.12	0.57	0.18	-2.92e-04	0.0	5.63e-06
1604	310	-0.13	0.43	0.18	-1.40e-04	0.0	7.05e-06
1605	28	-0.72	0.56	-0.20	-2.04e-04	0.0	1.71e-05
1605	44	-1.01	0.49	-0.19	-1.76e-04	0.0	2.09e-05
1605	68	-0.19	1.30	-0.15	-3.07e-04	0.0	-5.40e-06
1605	123	-7.20	2.78	-0.16	-4.52e-04	0.0	7.90e-05
1605	137	0.95	8.99	0.06	-1.61e-03	0.0	7.31e-06
1605	144	-1.38	-7.74	-0.29	1.30e-03	0.0	6.99e-05
1605	155	-8.07	3.12	-0.16	-4.98e-04	0.0	8.82e-05
1605	169	1.08	10.14	0.08	-1.80e-03	0.0	7.88e-06
1605	176	-1.54	-8.80	-0.31	1.49e-03	0.0	7.73e-05
1605	187	-7.95	3.22	-0.16	-5.14e-04	0.0	8.80e-05
1605	201	1.05	10.40	0.09	-1.85e-03	0.0	1.31e-05
1605	208	-1.51	-9.05	-0.32	1.53e-03	0.0	7.04e-05
1605	219	-9.22	3.81	-0.17	-5.99e-04	0.0	1.03e-04
1605	233	1.25	12.32	0.12	-2.18e-03	0.0	1.63e-05
1605	240	-1.72	-10.82	-0.35	1.84e-03	0.0	7.92e-05
1605	256	-0.49	0.38	-0.14	-1.42e-04	0.0	1.19e-05
1605	264	-0.68	0.34	-0.13	-1.23e-04	0.0	1.45e-05
1605	276	-0.13	0.88	-0.11	-2.10e-04	0.0	-3.04e-06
1605	298	-0.13	0.30	-0.12	-1.13e-04	0.0	5.89e-06
1605	305	-0.23	0.28	-0.12	-1.07e-04	0.0	7.23e-06
1605	307	-0.12	0.39	-0.11	-1.24e-04	0.0	3.72e-06
1605	310	-0.12	0.28	-0.11	-1.07e-04	0.0	5.80e-06
1606	44	-1.28	0.89	-0.37	-2.79e-04	0.0	2.33e-05
1606	52	-0.34	1.53	-0.46	-3.69e-04	0.0	9.65e-06
1606	68	-0.29	1.81	-0.41	-3.64e-04	0.0	7.33e-06
1606	121	7.78	4.04	-0.45	-5.26e-04	0.0	9.74e-05
1606	123	-8.94	3.28	-0.12	-4.51e-04	0.0	6.04e-05
1606	129	0.80	11.89	-0.41	-1.33e-03	0.0	3.23e-04
1606	153	8.77	4.51	-0.48	-5.74e-04	0.0	1.09e-04
1606	155	-10.03	3.65	-0.10	-4.89e-04	0.0	6.76e-05
1606	161	0.92	13.41	-0.43	-1.48e-03	0.0	3.64e-04
1606	185	8.62	4.65	-0.48	-5.87e-04	0.0	1.10e-04
1606	187	-9.87	3.79	-0.11	-5.03e-04	0.0	7.06e-05
1606	193	0.89	13.91	-0.43	-1.53e-03	0.0	3.68e-04
1606	217	10.05	5.49	-0.51	-6.73e-04	0.0	1.29e-04
1606	219	-11.44	4.49	-0.08	-5.74e-04	0.0	8.45e-05
1606	225	1.07	16.67	-0.47	-1.81e-03	0.0	4.38e-04
1606	264	-0.86	0.62	-0.26	-1.95e-04	0.0	1.60e-05
1606	268	-0.24	1.04	-0.32	-2.55e-04	0.0	6.86e-06
1606	276	-0.20	1.23	-0.29	-2.52e-04	0.0	5.31e-06
1606	298	-0.20	0.51	-0.27	-1.74e-04	0.0	6.14e-06
1606	305	-0.32	0.49	-0.25	-1.66e-04	0.0	7.64e-06
1606	307	-0.19	0.62	-0.26	-1.77e-04	0.0	5.51e-06
1606	310	-0.19	0.48	-0.25	-1.65e-04	0.0	5.86e-06
1607	28	-0.79	0.66	-0.21	-2.04e-04	0.0	1.57e-05
1607	44	-1.10	0.58	-0.20	-1.76e-04	0.0	1.94e-05
1607	68	-0.22	1.45	-0.16	-3.04e-04	0.0	-7.39e-06
1607	123	-7.81	3.04	-0.17	-4.35e-04	0.0	4.62e-05
1607	137	1.02	9.77	0.06	-1.54e-03	0.0	1.05e-05
1607	144	-1.51	-8.36	-0.30	1.24e-03	0.0	6.49e-05
1607	155	-8.76	3.40	-0.17	-4.79e-04	0.0	5.16e-05
1607	169	1.16	11.01	0.09	-1.73e-03	0.0	1.16e-05
1607	176	-1.68	-9.50	-0.33	1.42e-03	0.0	7.18e-05
1607	187	-8.62	3.51	-0.17	-4.94e-04	0.0	5.36e-05
1607	201	1.13	11.29	0.09	-1.77e-03	0.0	1.74e-05
1607	208	-1.64	-9.77	-0.33	1.46e-03	0.0	6.50e-05
1607	219	-10.00	4.16	-0.18	-5.75e-04	0.0	6.39e-05
1607	233	1.34	13.37	0.13	-2.08e-03	0.0	2.18e-05
1607	240	-1.88	-11.69	-0.37	1.75e-03	0.0	7.28e-05
1607	256	-0.54	0.45	-0.15	-1.41e-04	0.0	1.09e-05
1607	264	-0.74	0.40	-0.14	-1.23e-04	0.0	1.34e-05
1607	276	-0.15	0.98	-0.12	-2.08e-04	0.0	-4.43e-06
1607	298	-0.15	0.35	-0.12	-1.13e-04	0.0	5.20e-06
1607	305	-0.26	0.34	-0.12	-1.07e-04	0.0	6.49e-06

1607	307	-0.14	0.45	-0.12	-1.24e-04	0.0	2.92e-06
1607	310	-0.15	0.33	-0.12	-1.06e-04	0.0	5.11e-06
1608	28	-0.72	0.55	-0.18	-2.06e-04	0.0	2.05e-05
1608	44	-1.01	0.48	-0.18	-1.78e-04	0.0	2.40e-05
1608	68	-0.19	1.30	-0.12	-3.10e-04	0.0	-1.13e-05
1608	123	-7.20	2.75	-0.20	-5.56e-04	0.0	3.44e-05
1608	137	0.95	9.01	0.20	-1.67e-03	0.0	-1.20e-05
1608	144	-1.38	-7.76	-0.41	1.33e-03	0.0	8.52e-05
1608	155	-8.07	3.08	-0.21	-6.16e-04	0.0	3.77e-05
1608	169	1.08	10.16	0.24	-1.87e-03	0.0	-1.43e-05
1608	176	-1.54	-8.82	-0.45	1.52e-03	0.0	9.45e-05
1608	187	-7.95	3.18	-0.21	-6.33e-04	0.0	3.84e-05
1608	201	1.05	10.41	0.25	-1.92e-03	0.0	-1.08e-05
1608	208	-1.51	-9.07	-0.46	1.56e-03	0.0	8.98e-05
1608	219	-9.22	3.77	-0.22	-7.39e-04	0.0	4.48e-05
1608	233	1.25	12.34	0.32	-2.26e-03	0.0	-1.32e-05
1608	240	-1.72	-10.84	-0.53	1.88e-03	0.0	1.03e-04
1608	256	-0.48	0.38	-0.13	-1.42e-04	0.0	1.44e-05
1608	264	-0.68	0.33	-0.13	-1.24e-04	0.0	1.68e-05
1608	276	-0.13	0.88	-0.09	-2.12e-04	0.0	-6.80e-06
1608	305	-0.23	0.28	-0.10	-1.08e-04	0.0	9.30e-06
1608	307	-0.12	0.39	-0.10	-1.25e-04	0.0	4.59e-06
1608	310	-0.12	0.28	-0.10	-1.07e-04	0.0	7.93e-06
1609	28	-0.79	0.65	-0.19	-2.05e-04	0.0	1.44e-05
1609	44	-1.10	0.57	-0.19	-1.78e-04	0.0	1.81e-05
1609	68	-0.22	1.46	-0.12	-3.03e-04	0.0	-2.07e-05
1609	123	-7.80	3.03	-0.21	-5.22e-04	0.0	-4.03e-05
1609	137	1.02	9.82	0.21	-1.55e-03	0.0	-8.04e-05
1609	144	-1.51	-8.40	-0.43	1.22e-03	0.0	1.59e-04
1609	155	-8.76	3.39	-0.23	-5.77e-04	0.0	-4.54e-05
1609	169	1.16	11.07	0.25	-1.74e-03	0.0	-9.17e-05
1609	176	-1.67	-9.55	-0.47	1.39e-03	0.0	1.79e-04
1609	187	-8.62	3.49	-0.22	-5.93e-04	0.0	-4.11e-05
1609	201	1.13	11.35	0.26	-1.78e-03	0.0	-9.34e-05
1609	208	-1.64	-9.82	-0.48	1.43e-03	0.0	1.79e-04
1609	219	-10.00	4.13	-0.24	-6.91e-04	0.0	-4.82e-05
1609	233	1.34	13.43	0.33	-2.10e-03	0.0	-1.12e-04
1609	240	-1.88	-11.75	-0.55	1.73e-03	0.0	2.10e-04
1609	256	-0.54	0.45	-0.14	-1.42e-04	0.0	1.02e-05
1609	264	-0.74	0.39	-0.13	-1.24e-04	0.0	1.27e-05
1609	276	-0.15	0.99	-0.09	-2.07e-04	0.0	-1.32e-05
1609	305	-0.26	0.33	-0.11	-1.07e-04	0.0	6.22e-06
1609	307	-0.14	0.45	-0.10	-1.24e-04	0.0	1.04e-06
1609	310	-0.15	0.33	-0.11	-1.07e-04	0.0	5.02e-06
1610	28	-0.90	0.84	-0.38	2.25e-03	-1.31e-03	2.22e-05
1610	44	-1.24	0.73	-0.33	1.84e-03	-1.09e-03	2.65e-05
1610	68	-0.27	1.74	-0.33	1.89e-03	-1.04e-03	1.21e-05
1610	124	-8.94	-1.95	-0.22	9.77e-04	-1.03e-03	-4.48e-05
1610	128	-8.82	-2.24	-0.22	9.71e-04	-1.04e-03	5.32e-06
1610	137	3.23	11.17	-0.20	1.44e-03	-3.74e-04	2.12e-04
1610	156	-10.03	-2.27	-0.22	9.50e-04	-1.08e-03	-5.18e-05
1610	160	-9.89	-2.60	-0.22	9.43e-04	-1.08e-03	4.92e-06
1610	169	3.66	12.58	-0.19	1.47e-03	-3.34e-04	2.38e-04
1610	188	-9.88	-2.39	-0.22	9.50e-04	-1.07e-03	-5.58e-05
1610	192	-9.74	-2.69	-0.22	9.44e-04	-1.08e-03	3.61e-06
1610	201	3.61	12.89	-0.19	1.48e-03	-3.31e-04	2.38e-04
1610	220	-11.46	-2.98	-0.22	9.08e-04	-1.14e-03	-7.03e-05
1610	233	4.26	15.25	-0.19	1.53e-03	-2.65e-04	2.79e-04
1610	256	-0.61	0.58	-0.27	1.55e-03	-8.99e-04	1.52e-05
1610	264	-0.83	0.51	-0.23	1.27e-03	-7.55e-04	1.80e-05
1610	276	-0.19	1.18	-0.23	1.30e-03	-7.24e-04	8.43e-06
1610	298	-0.19	0.46	-0.22	1.28e-03	-7.37e-04	7.11e-06
1610	305	-0.31	0.44	-0.21	1.19e-03	-6.90e-04	8.76e-06
1610	307	-0.18	0.57	-0.21	1.20e-03	-6.84e-04	6.84e-06
1610	310	-0.18	0.43	-0.21	1.19e-03	-6.86e-04	6.67e-06
1611	4	3.27e-03	0.81	-0.37	-2.50e-03	-1.28e-03	8.22e-06
1611	44	-1.06	0.73	-0.32	-2.08e-03	-1.09e-03	2.79e-05
1611	68	-0.19	1.75	-0.32	-2.07e-03	-1.04e-03	1.28e-05
1611	113	9.97	5.70	-0.21	-1.17e-03	-3.68e-04	2.98e-04
1611	116	-10.25	-4.84	-0.19	-1.47e-03	-1.00e-03	-2.84e-04
1611	137	4.27	11.17	-0.21	-1.30e-03	-3.74e-04	2.06e-04
1611	145	11.23	6.39	-0.21	-1.15e-03	-3.28e-04	3.35e-04
1611	148	-11.50	-5.53	-0.19	-1.48e-03	-1.04e-03	-3.21e-04
1611	169	4.83	12.58	-0.21	-1.29e-03	-3.34e-04	2.32e-04
1611	177	11.11	6.54	-0.21	-1.16e-03	-3.31e-04	3.34e-04

1611	180	-11.39	-5.68	-0.19	-1.48e-03	-1.04e-03	-3.20e-04
1611	201	4.82	12.90	-0.21	-1.29e-03	-3.31e-04	2.31e-04
1611	209	13.03	7.73	-0.21	-1.13e-03	-2.67e-04	3.93e-04
1611	212	-13.31	-6.87	-0.19	-1.51e-03	-1.11e-03	-3.80e-04
1611	233	5.69	15.26	-0.21	-1.29e-03	-2.65e-04	2.72e-04
1611	244	-4.49e-03	0.56	-0.26	-1.72e-03	-8.82e-04	5.87e-06
1611	264	-0.71	0.50	-0.22	-1.44e-03	-7.55e-04	1.90e-05
1611	276	-0.14	1.19	-0.22	-1.43e-03	-7.24e-04	8.95e-06
1611	298	-0.15	0.46	-0.21	-1.42e-03	-7.37e-04	7.37e-06
1611	305	-0.25	0.43	-0.20	-1.32e-03	-6.90e-04	9.14e-06
1611	307	-0.14	0.57	-0.20	-1.32e-03	-6.84e-04	7.13e-06
1611	310	-0.14	0.43	-0.20	-1.32e-03	-6.86e-04	6.91e-06
1612	41	-0.86	0.31	-0.11	-8.75e-05	0.0	2.01e-05
1612	44	-0.91	0.58	-0.08	-1.64e-04	0.0	2.68e-05
1612	68	-0.12	2.24	-1.77e-03	6.69e-04	0.0	-3.87e-05
1612	116	-9.98	-4.47	-0.81	5.27e-04	0.0	-2.94e-04
1612	137	4.31	10.18	0.35	-1.39e-03	0.0	2.21e-04
1612	148	-11.21	-5.09	-0.91	6.09e-04	0.0	-3.32e-04
1612	169	4.86	11.46	0.40	-1.56e-03	0.0	2.48e-04
1612	180	-11.11	-5.19	-0.90	6.25e-04	0.0	-3.32e-04
1612	201	4.86	11.74	0.40	-1.59e-03	0.0	2.49e-04
1612	212	-12.99	-6.26	-1.05	7.65e-04	0.0	-3.95e-04
1612	233	5.73	13.89	0.47	-1.87e-03	0.0	2.92e-04
1612	261	-0.58	0.22	-0.08	-6.33e-05	0.0	1.39e-05
1612	264	-0.61	0.41	-0.06	-1.14e-04	0.0	1.83e-05
1612	276	-0.08	1.51	-6.83e-03	4.41e-04	0.0	-2.53e-05
1612	304	-0.17	0.22	-0.04	-6.41e-05	0.0	7.01e-06
1612	305	-0.19	0.36	-0.03	-1.02e-04	0.0	1.02e-05
1612	307	-0.09	0.58	-0.02	8.79e-06	0.0	1.50e-06
1612	309	-0.06	0.22	-0.03	-6.43e-05	0.0	5.29e-06
1612	310	-0.09	0.36	-0.02	-1.02e-04	0.0	8.51e-06
1613	41	-0.94	0.35	-0.12	-1.31e-04	-1.43e-04	2.15e-05
1613	44	-1.02	0.66	-0.08	-2.34e-04	-1.95e-04	2.88e-05
1613	68	-0.17	1.71	-2.99e-03	-1.41e-03	-1.17e-04	3.26e-05
1613	116	-10.58	-4.72	-0.82	3.51e-04	-9.82e-04	-3.08e-04
1613	137	4.54	10.84	0.35	-1.18e-03	3.46e-04	2.42e-04
1613	148	-11.88	-5.38	-0.92	4.15e-04	-1.09e-03	-3.48e-04
1613	169	5.13	12.21	0.40	-1.31e-03	3.99e-04	2.72e-04
1613	180	-11.77	-5.49	-0.91	4.27e-04	-1.08e-03	-3.49e-04
1613	201	5.12	12.50	0.40	-1.34e-03	4.00e-04	2.74e-04
1613	212	-13.77	-6.62	-1.06	5.36e-04	-1.26e-03	-4.14e-04
1613	233	6.04	14.79	0.48	-1.57e-03	4.85e-04	3.22e-04
1613	261	-0.63	0.25	-0.09	-9.49e-05	-9.96e-05	1.49e-05
1613	264	-0.68	0.46	-0.06	-1.63e-04	-1.34e-04	1.97e-05
1613	276	-0.12	1.16	-8.40e-03	-9.48e-04	-8.21e-05	2.23e-05
1613	304	-0.20	0.25	-0.05	-9.55e-05	-6.15e-05	7.57e-06
1613	305	-0.24	0.41	-0.03	-1.41e-04	-8.73e-05	1.11e-05
1613	307	-0.12	0.55	-0.02	-2.98e-04	-7.68e-05	1.16e-05
1613	309	-0.09	0.25	-0.04	-9.56e-05	-5.20e-05	5.75e-06
1613	310	-0.13	0.41	-0.02	-1.41e-04	-7.77e-05	9.27e-06
1614	18	0.21	0.15	-0.08	-1.66e-04	0.0	2.27e-05
1614	44	-0.50	0.11	-0.01	-1.57e-04	0.0	3.68e-05
1614	68	-0.02	1.23	-0.05	-9.26e-04	0.0	2.30e-04
1614	113	5.81	-0.32	-0.48	6.61e-06	0.0	2.00e-04
1614	116	-5.84	0.49	0.39	-2.08e-04	0.0	-1.66e-04
1614	139	-0.63	5.94	0.01	-1.74e-03	0.0	1.59e-04
1614	145	6.53	-0.36	-0.53	1.68e-05	0.0	2.24e-04
1614	148	-6.56	0.53	0.45	-2.18e-04	0.0	-1.90e-04
1614	171	-0.69	6.70	0.02	-1.95e-03	0.0	1.77e-04
1614	177	6.47	-0.28	-0.53	-3.19e-06	0.0	2.27e-04
1614	180	-6.50	0.45	0.44	-1.98e-04	0.0	-1.93e-04
1614	203	-0.65	6.85	0.02	-1.99e-03	0.0	1.82e-04
1614	209	7.58	-0.30	-0.61	0.0	0.0	2.67e-04
1614	212	-7.61	0.47	0.52	-2.01e-04	0.0	-2.33e-04
1614	235	-0.74	8.12	0.03	-2.35e-03	0.0	2.13e-04
1614	251	0.14	0.10	-0.06	-1.15e-04	0.0	1.59e-05
1614	264	-0.34	0.08	-0.01	-1.09e-04	0.0	2.53e-05
1614	276	-0.01	0.83	-0.04	-6.22e-04	0.0	1.54e-04
1614	303	0.02	0.09	-0.05	-1.01e-04	0.0	1.63e-05
1614	305	-0.08	0.08	-0.04	-9.98e-05	0.0	1.82e-05
1614	307	-0.02	0.23	-0.04	-2.02e-04	0.0	4.40e-05
1614	310	-0.02	0.08	-0.04	-1.01e-04	0.0	1.69e-05
1615	18	0.21	0.13	-0.10	-1.52e-04	0.0	2.31e-05
1615	44	-0.51	0.09	-0.06	-1.43e-04	0.0	3.73e-05
1615	68	-0.02	1.12	-0.07	-7.66e-04	0.0	2.46e-04

1615	113	5.82	-0.38	-0.31	2.16e-05	0.0	2.00e-04
1615	116	-5.85	0.53	0.19	-2.06e-04	0.0	-1.66e-04
1615	139	-0.63	5.84	0.04	-1.65e-03	0.0	1.54e-04
1615	145	6.54	-0.43	-0.34	3.27e-05	0.0	2.24e-04
1615	148	-6.58	0.58	0.22	-2.17e-04	0.0	-1.89e-04
1615	171	-0.70	6.60	0.05	-1.86e-03	0.0	1.72e-04
1615	177	6.48	-0.35	-0.33	1.30e-05	0.0	2.26e-04
1615	180	-6.51	0.50	0.21	-1.98e-04	0.0	-1.92e-04
1615	203	-0.65	6.74	0.05	-1.90e-03	0.0	1.76e-04
1615	209	7.59	-0.38	-0.38	1.78e-05	0.0	2.66e-04
1615	212	-7.62	0.53	0.26	-2.02e-04	0.0	-2.31e-04
1615	235	-0.74	7.99	0.07	-2.24e-03	0.0	2.07e-04
1615	251	0.14	0.09	-0.07	-1.06e-04	0.0	1.62e-05
1615	264	-0.34	0.07	-0.04	-9.97e-05	0.0	2.57e-05
1615	276	-0.01	0.75	-0.06	-5.15e-04	0.0	1.65e-04
1615	303	0.01	0.08	-0.06	-9.27e-05	0.0	1.66e-05
1615	305	-0.08	0.07	-0.06	-9.14e-05	0.0	1.85e-05
1615	307	-0.02	0.21	-0.06	-1.74e-04	0.0	4.64e-05
1615	310	-0.02	0.08	-0.06	-9.23e-05	0.0	1.72e-05
1616	18	0.21	0.24	-0.09	-1.65e-04	0.0	3.77e-05
1616	44	-0.54	0.20	-8.89e-03	-1.56e-04	0.0	5.30e-05
1616	68	-0.03	1.77	-0.06	-7.12e-04	0.0	4.83e-04
1616	113	6.16	-0.32	-0.58	-1.99e-06	0.0	2.42e-04
1616	116	-6.21	0.60	0.49	-1.98e-04	0.0	-1.89e-04
1616	139	-0.66	6.87	0.02	-1.65e-03	0.0	2.52e-04
1616	145	6.92	-0.37	-0.65	7.20e-06	0.0	2.70e-04
1616	148	-6.98	0.64	0.55	-2.07e-04	0.0	-2.17e-04
1616	171	-0.74	7.75	0.03	-1.85e-03	0.0	2.81e-04
1616	177	6.86	-0.28	-0.64	-1.17e-05	0.0	2.75e-04
1616	180	-6.91	0.56	0.55	-1.89e-04	0.0	-2.23e-04
1616	203	-0.69	7.92	0.02	-1.89e-03	0.0	2.88e-04
1616	209	8.03	-0.30	-0.74	-9.44e-06	0.0	3.24e-04
1616	212	-8.09	0.57	0.65	-1.91e-04	0.0	-2.71e-04
1616	235	-0.78	9.38	0.03	-2.23e-03	0.0	3.37e-04
1616	251	0.14	0.16	-0.07	-1.15e-04	0.0	2.63e-05
1616	264	-0.36	0.14	-0.01	-1.09e-04	0.0	3.65e-05
1616	276	-0.02	1.19	-0.04	-4.80e-04	0.0	3.23e-04
1616	303	6.72e-03	0.14	-0.05	-1.00e-04	0.0	2.58e-05
1616	305	-0.09	0.14	-0.04	-9.93e-05	0.0	2.78e-05
1616	307	-0.03	0.35	-0.05	-1.73e-04	0.0	8.51e-05
1616	310	-0.03	0.14	-0.05	-1.00e-04	0.0	2.65e-05
1617	18	0.21	0.22	-0.11	-1.56e-04	0.0	3.81e-05
1617	44	-0.56	0.17	-0.06	-1.46e-04	0.0	5.33e-05
1617	68	-0.04	1.52	-0.08	-5.99e-04	0.0	4.44e-04
1617	113	6.26	-0.40	-0.33	1.34e-05	0.0	2.40e-04
1617	116	-6.32	0.64	0.20	-2.02e-04	0.0	-1.87e-04
1617	139	-0.68	6.72	0.04	-1.60e-03	0.0	2.37e-04
1617	145	7.04	-0.45	-0.37	2.38e-05	0.0	2.68e-04
1617	148	-7.10	0.70	0.23	-2.12e-04	0.0	-2.14e-04
1617	171	-0.75	7.58	0.05	-1.80e-03	0.0	2.65e-04
1617	177	6.98	-0.36	-0.36	4.80e-06	0.0	2.72e-04
1617	180	-7.04	0.61	0.23	-1.93e-04	0.0	-2.19e-04
1617	203	-0.70	7.75	0.05	-1.84e-03	0.0	2.71e-04
1617	209	8.18	-0.39	-0.41	8.90e-06	0.0	3.20e-04
1617	212	-8.24	0.64	0.28	-1.97e-04	0.0	-2.67e-04
1617	235	-0.79	9.18	0.07	-2.17e-03	0.0	3.17e-04
1617	251	0.14	0.15	-0.08	-1.08e-04	0.0	2.66e-05
1617	264	-0.38	0.12	-0.05	-1.02e-04	0.0	3.68e-05
1617	276	-0.03	1.02	-0.06	-4.04e-04	0.0	2.97e-04
1617	303	4.51e-03	0.13	-0.07	-9.47e-05	0.0	2.61e-05
1617	305	-0.10	0.12	-0.06	-9.34e-05	0.0	2.81e-05
1617	307	-0.03	0.30	-0.07	-1.54e-04	0.0	8.01e-05
1617	310	-0.03	0.12	-0.07	-9.42e-05	0.0	2.67e-05
1618	18	0.21	0.32	-0.10	-1.64e-04	0.0	4.65e-05
1618	44	-0.65	0.28	-2.75e-03	-1.55e-04	0.0	6.27e-05
1618	68	-0.06	2.09	-0.06	-4.13e-04	0.0	5.59e-04
1618	113	7.18	-0.32	-0.70	-1.30e-05	0.0	2.69e-04
1618	116	-7.28	0.70	0.60	-1.86e-04	0.0	-2.05e-04
1618	139	-0.77	7.71	0.03	-1.54e-03	0.0	2.64e-04
1618	145	8.08	-0.37	-0.78	-5.02e-06	0.0	3.00e-04
1618	148	-8.17	0.75	0.68	-1.94e-04	0.0	-2.35e-04
1618	171	-0.85	8.70	0.04	-1.73e-03	0.0	2.94e-04
1618	177	8.00	-0.27	-0.78	-2.25e-05	0.0	3.05e-04
1618	180	-8.10	0.66	0.67	-1.76e-04	0.0	-2.41e-04
1618	203	-0.80	8.89	0.03	-1.77e-03	0.0	3.01e-04

1618	209	9.38	-0.29	-0.90	-2.14e-05	0.0	3.58e-04
1618	212	-9.48	0.67	0.80	-1.77e-04	0.0	-2.94e-04
1618	235	-0.89	10.53	0.05	-2.08e-03	0.0	3.52e-04
1618	251	0.14	0.23	-0.07	-1.14e-04	0.0	3.25e-05
1618	264	-0.44	0.20	-8.12e-03	-1.08e-04	0.0	4.33e-05
1618	276	-0.04	1.40	-0.05	-2.80e-04	0.0	3.74e-04
1618	303	-0.01	0.19	-0.06	-9.97e-05	0.0	3.14e-05
1618	305	-0.13	0.19	-0.04	-9.85e-05	0.0	3.36e-05
1618	307	-0.05	0.43	-0.05	-1.33e-04	0.0	9.98e-05
1618	310	-0.05	0.19	-0.05	-9.93e-05	0.0	3.21e-05
1619	18	0.21	0.30	-0.12	-1.60e-04	0.0	4.73e-05
1619	44	-0.66	0.25	-0.07	-1.50e-04	0.0	6.35e-05
1619	68	-0.06	1.80	-0.09	-3.81e-04	0.0	5.38e-04
1619	114	5.78	-3.56	-0.35	6.26e-04	0.0	6.24e-05
1619	116	-7.25	0.75	0.17	-1.96e-04	0.0	-2.04e-04
1619	139	-0.77	7.56	0.04	-1.54e-03	0.0	2.61e-04
1619	146	6.49	-4.04	-0.39	7.18e-04	0.0	6.57e-05
1619	148	-8.15	0.81	0.20	-2.05e-04	0.0	-2.34e-04
1619	171	-0.85	8.52	0.05	-1.72e-03	0.0	2.91e-04
1619	178	6.37	-4.07	-0.38	7.26e-04	0.0	6.23e-05
1619	180	-8.07	0.71	0.19	-1.87e-04	0.0	-2.39e-04
1619	203	-0.79	8.71	0.05	-1.76e-03	0.0	2.98e-04
1619	210	7.41	-4.86	-0.44	8.79e-04	0.0	6.54e-05
1619	212	-9.44	0.74	0.24	-1.91e-04	0.0	-2.92e-04
1619	235	-0.89	10.31	0.07	-2.07e-03	0.0	3.48e-04
1619	251	0.14	0.21	-0.09	-1.11e-04	0.0	3.30e-05
1619	264	-0.44	0.17	-0.05	-1.05e-04	0.0	4.38e-05
1619	276	-0.04	1.21	-0.07	-2.58e-04	0.0	3.60e-04
1619	303	-0.01	0.18	-0.07	-9.73e-05	0.0	3.19e-05
1619	305	-0.13	0.17	-0.07	-9.60e-05	0.0	3.41e-05
1619	307	-0.05	0.38	-0.07	-1.27e-04	0.0	9.73e-05
1619	310	-0.05	0.18	-0.07	-9.69e-05	0.0	3.27e-05
1620	44	-0.51	0.07	-0.10	-1.26e-04	0.0	3.73e-05
1620	68	-0.02	0.98	-0.10	-5.78e-04	0.0	2.52e-04
1620	76	-0.03	-0.14	-0.13	-2.24e-05	0.0	-3.43e-05
1620	116	-5.87	0.58	0.03	-2.05e-04	0.0	-1.65e-04
1620	118	4.99	-3.20	-0.21	7.63e-04	0.0	8.02e-05
1620	139	-0.63	5.75	0.01	-1.57e-03	0.0	1.41e-04
1620	148	-6.60	0.63	0.04	-2.18e-04	0.0	-1.88e-04
1620	150	5.60	-3.61	-0.23	8.71e-04	0.0	8.78e-05
1620	171	-0.70	6.49	0.03	-1.77e-03	0.0	1.57e-04
1620	180	-6.53	0.56	0.04	-1.98e-04	0.0	-1.90e-04
1620	182	5.51	-3.63	-0.23	8.76e-04	0.0	8.61e-05
1620	203	-0.65	6.63	0.03	-1.80e-03	0.0	1.61e-04
1620	212	-7.65	0.59	0.06	-2.05e-04	0.0	-2.29e-04
1620	214	6.44	-4.29	-0.25	1.05e-03	0.0	9.80e-05
1620	235	-0.74	7.87	0.04	-2.13e-03	0.0	1.89e-04
1620	264	-0.34	0.05	-0.07	-8.81e-05	0.0	2.57e-05
1620	276	-0.01	0.65	-0.07	-3.89e-04	0.0	1.69e-04
1620	280	-0.02	-0.09	-0.09	-1.89e-05	0.0	-2.21e-05
1620	298	-0.02	0.07	-0.08	-8.73e-05	0.0	1.84e-05
1620	305	-0.08	0.06	-0.08	-8.14e-05	0.0	1.85e-05
1620	307	-0.02	0.18	-0.08	-1.42e-04	0.0	4.71e-05
1620	310	-0.02	0.07	-0.08	-8.23e-05	0.0	1.72e-05
1621	44	-0.57	0.14	-0.11	-1.34e-04	0.0	5.36e-05
1621	68	-0.04	1.28	-0.11	-4.72e-04	0.0	4.25e-04
1621	76	-0.06	-0.12	-0.14	-6.54e-05	0.0	-6.28e-05
1621	116	-6.39	0.69	0.03	-2.06e-04	0.0	-1.83e-04
1621	118	5.40	-3.60	-0.24	7.42e-04	0.0	8.22e-05
1621	139	-0.68	6.58	0.02	-1.55e-03	0.0	2.10e-04
1621	148	-7.18	0.75	0.05	-2.18e-04	0.0	-2.10e-04
1621	150	6.07	-4.07	-0.26	8.47e-04	0.0	8.89e-05
1621	171	-0.76	7.43	0.03	-1.74e-03	0.0	2.34e-04
1621	180	-7.11	0.66	0.04	-1.99e-04	0.0	-2.14e-04
1621	182	5.97	-4.09	-0.25	8.53e-04	0.0	8.74e-05
1621	203	-0.71	7.59	0.03	-1.78e-03	0.0	2.39e-04
1621	212	-8.32	0.70	0.07	-2.05e-04	0.0	-2.60e-04
1621	214	6.97	-4.85	-0.28	1.02e-03	0.0	9.80e-05
1621	235	-0.80	9.00	0.05	-2.09e-03	0.0	2.80e-04
1621	264	-0.38	0.10	-0.08	-9.33e-05	0.0	3.70e-05
1621	276	-0.03	0.86	-0.08	-3.19e-04	0.0	2.84e-04
1621	280	-0.04	-0.08	-0.10	-4.78e-05	0.0	-4.07e-05
1621	298	-0.03	0.12	-0.09	-9.23e-05	0.0	2.87e-05
1621	305	-0.10	0.10	-0.09	-8.60e-05	0.0	2.83e-05
1621	307	-0.03	0.26	-0.09	-1.31e-04	0.0	7.78e-05

1621	310	-0.03	0.11	-0.09	-8.70e-05	0.0	2.69e-05
1622	44	-0.65	0.21	-0.12	-1.44e-04	0.0	6.50e-05
1622	68	-0.06	1.50	-0.12	-3.41e-04	0.0	5.18e-04
1622	76	-0.09	-0.08	-0.15	-1.21e-04	0.0	-7.49e-05
1622	116	-7.24	0.80	0.04	-2.08e-04	0.0	-2.01e-04
1622	118	6.08	-3.99	-0.26	7.12e-04	0.0	9.22e-05
1622	139	-0.77	7.40	0.02	-1.52e-03	0.0	2.45e-04
1622	148	-8.13	0.87	0.06	-2.19e-04	0.0	-2.31e-04
1622	150	6.84	-4.52	-0.28	8.15e-04	0.0	9.93e-05
1622	171	-0.85	8.35	0.03	-1.70e-03	0.0	2.73e-04
1622	180	-8.05	0.77	0.05	-2.00e-04	0.0	-2.36e-04
1622	182	6.73	-4.54	-0.28	8.20e-04	0.0	9.78e-05
1622	203	-0.79	8.53	0.03	-1.74e-03	0.0	2.80e-04
1622	212	-9.42	0.81	0.08	-2.06e-04	0.0	-2.88e-04
1622	214	7.86	-5.38	-0.31	9.84e-04	0.0	1.09e-04
1622	235	-0.89	10.10	0.06	-2.05e-03	0.0	3.27e-04
1622	264	-0.44	0.15	-0.09	-1.01e-04	0.0	4.49e-05
1622	276	-0.04	1.01	-0.09	-2.32e-04	0.0	3.47e-04
1622	280	-0.06	-0.04	-0.11	-8.51e-05	0.0	-4.84e-05
1622	298	-0.05	0.17	-0.10	-9.95e-05	0.0	3.58e-05
1622	305	-0.13	0.15	-0.09	-9.28e-05	0.0	3.50e-05
1622	307	-0.05	0.32	-0.09	-1.19e-04	0.0	9.53e-05
1622	310	-0.05	0.16	-0.09	-9.37e-05	0.0	3.35e-05
1623	44	-0.51	0.05	-0.15	-1.09e-04	0.0	3.47e-05
1623	68	-0.02	0.84	-0.13	-3.98e-04	0.0	2.01e-04
1623	76	-0.04	-0.12	-0.18	-5.25e-05	0.0	-2.33e-05
1623	116	-5.89	0.63	-0.07	-2.06e-04	0.0	-1.66e-04
1623	138	0.59	-5.56	-0.26	1.36e-03	0.0	-8.69e-05
1623	139	-0.63	5.67	0.05	-1.50e-03	0.0	1.18e-04
1623	148	-6.62	0.69	-0.06	-2.20e-04	0.0	-1.89e-04
1623	170	0.66	-6.29	-0.28	1.54e-03	0.0	-1.00e-04
1623	171	-0.70	6.40	0.07	-1.69e-03	0.0	1.31e-04
1623	180	-6.56	0.61	-0.06	-2.01e-04	0.0	-1.91e-04
1623	202	0.62	-6.43	-0.28	1.58e-03	0.0	-1.04e-04
1623	203	-0.65	6.54	0.07	-1.72e-03	0.0	1.35e-04
1623	212	-7.67	0.66	-0.06	-2.10e-04	0.0	-2.29e-04
1623	234	0.70	-7.64	-0.31	1.89e-03	0.0	-1.27e-04
1623	235	-0.74	7.75	0.10	-2.03e-03	0.0	1.57e-04
1623	264	-0.34	0.04	-0.11	-7.65e-05	0.0	2.38e-05
1623	276	-0.01	0.56	-0.10	-2.69e-04	0.0	1.35e-04
1623	280	-0.02	-0.08	-0.13	-3.85e-05	0.0	-1.48e-05
1623	298	-0.02	0.06	-0.11	-7.67e-05	0.0	1.64e-05
1623	305	-0.08	0.05	-0.10	-7.14e-05	0.0	1.67e-05
1623	307	-0.02	0.16	-0.10	-1.10e-04	0.0	3.89e-05
1623	310	-0.02	0.06	-0.11	-7.24e-05	0.0	1.54e-05
1624	44	-0.57	0.11	-0.17	-1.20e-04	0.0	5.02e-05
1624	68	-0.04	1.04	-0.15	-3.52e-04	0.0	3.31e-04
1624	76	-0.06	-0.09	-0.20	-8.26e-05	0.0	-4.01e-05
1624	116	-6.42	0.74	-0.07	-2.11e-04	0.0	-1.85e-04
1624	138	0.62	-6.28	-0.28	1.34e-03	0.0	-1.21e-04
1624	139	-0.68	6.47	0.05	-1.50e-03	0.0	1.70e-04
1624	148	-7.21	0.81	-0.07	-2.24e-04	0.0	-2.11e-04
1624	170	0.70	-7.11	-0.31	1.52e-03	0.0	-1.40e-04
1624	171	-0.76	7.30	0.07	-1.68e-03	0.0	1.89e-04
1624	180	-7.15	0.72	-0.07	-2.05e-04	0.0	-2.14e-04
1624	202	0.65	-7.27	-0.31	1.56e-03	0.0	-1.44e-04
1624	203	-0.71	7.46	0.08	-1.72e-03	0.0	1.94e-04
1624	212	-8.36	0.77	-0.07	-2.14e-04	0.0	-2.59e-04
1624	234	0.74	-8.65	-0.35	1.87e-03	0.0	-1.77e-04
1624	235	-0.80	8.83	0.11	-2.03e-03	0.0	2.26e-04
1624	264	-0.38	0.08	-0.12	-8.41e-05	0.0	3.46e-05
1624	276	-0.03	0.70	-0.11	-2.39e-04	0.0	2.22e-04
1624	280	-0.04	-0.05	-0.14	-5.89e-05	0.0	-2.56e-05
1624	298	-0.03	0.10	-0.12	-8.40e-05	0.0	2.63e-05
1624	305	-0.10	0.09	-0.12	-7.81e-05	0.0	2.61e-05
1624	307	-0.03	0.21	-0.11	-1.09e-04	0.0	6.36e-05
1624	310	-0.03	0.09	-0.12	-7.92e-05	0.0	2.47e-05
1625	44	-0.65	0.18	-0.18	-1.37e-04	0.0	6.20e-05
1625	68	-0.06	1.22	-0.16	-3.03e-04	0.0	4.02e-04
1625	76	-0.09	-0.04	-0.21	-1.23e-04	0.0	-4.48e-05
1625	116	-7.21	0.86	-0.08	-2.18e-04	0.0	-2.02e-04
1625	138	0.67	-6.99	-0.31	1.31e-03	0.0	-1.37e-04
1625	139	-0.77	7.26	0.06	-1.49e-03	0.0	2.00e-04
1625	148	-8.10	0.93	-0.07	-2.31e-04	0.0	-2.32e-04
1625	170	0.75	-7.92	-0.33	1.50e-03	0.0	-1.59e-04

1625	171	-0.85	8.19	0.08	-1.68e-03	0.0	2.22e-04
1625	180	-8.03	0.83	-0.08	-2.12e-04	0.0	-2.36e-04
1625	202	0.69	-8.09	-0.33	1.53e-03	0.0	-1.65e-04
1625	203	-0.79	8.37	0.08	-1.71e-03	0.0	2.28e-04
1625	212	-9.39	0.88	-0.07	-2.21e-04	0.0	-2.86e-04
1625	234	0.79	-9.64	-0.37	1.84e-03	0.0	-2.02e-04
1625	235	-0.89	9.91	0.12	-2.02e-03	0.0	2.65e-04
1625	264	-0.44	0.12	-0.13	-9.58e-05	0.0	4.28e-05
1625	276	-0.04	0.82	-0.11	-2.06e-04	0.0	2.69e-04
1625	280	-0.06	-0.02	-0.15	-8.62e-05	0.0	-2.84e-05
1625	298	-0.05	0.15	-0.13	-9.53e-05	0.0	3.37e-05
1625	305	-0.12	0.13	-0.12	-8.87e-05	0.0	3.31e-05
1625	307	-0.05	0.27	-0.12	-1.11e-04	0.0	7.84e-05
1625	310	-0.05	0.14	-0.12	-8.98e-05	0.0	3.16e-05
1626	44	-0.51	0.04	-0.23	-9.66e-05	0.0	2.84e-05
1626	68	-0.02	0.73	-0.18	-2.88e-04	0.0	2.47e-05
1626	76	-0.04	-0.10	-0.27	-6.73e-05	0.0	1.95e-05
1626	116	-5.91	0.69	-0.30	-2.14e-04	0.0	-1.70e-04
1626	139	-0.63	5.61	0.13	-1.45e-03	0.0	6.74e-05
1626	140	-2.61	-4.45	-0.47	1.06e-03	0.0	-1.17e-04
1626	148	-6.64	0.76	-0.32	-2.29e-04	0.0	-1.93e-04
1626	171	-0.70	6.33	0.16	-1.64e-03	0.0	7.48e-05
1626	172	-2.93	-5.05	-0.52	1.21e-03	0.0	-1.34e-04
1626	180	-6.57	0.68	-0.32	-2.10e-04	0.0	-1.93e-04
1626	203	-0.65	6.47	0.17	-1.67e-03	0.0	7.59e-05
1626	204	-2.93	-5.20	-0.53	1.25e-03	0.0	-1.33e-04
1626	212	-7.70	0.73	-0.35	-2.22e-04	0.0	-2.30e-04
1626	235	-0.74	7.67	0.23	-1.97e-03	0.0	8.81e-05
1626	236	-3.44	-6.21	-0.60	1.51e-03	0.0	-1.59e-04
1626	264	-0.34	0.03	-0.17	-6.76e-05	0.0	1.95e-05
1626	276	-0.01	0.49	-0.13	-1.95e-04	0.0	1.70e-05
1626	280	-0.02	-0.07	-0.19	-4.81e-05	0.0	1.35e-05
1626	298	-0.02	0.05	-0.16	-6.87e-05	0.0	1.20e-05
1626	305	-0.08	0.04	-0.15	-6.37e-05	0.0	1.26e-05
1626	307	-0.02	0.14	-0.14	-8.92e-05	0.0	1.21e-05
1626	310	-0.02	0.05	-0.15	-6.49e-05	0.0	1.13e-05
1627	44	-0.57	0.08	-0.25	-1.09e-04	0.0	3.84e-05
1627	68	-0.04	0.86	-0.20	-2.80e-04	0.0	3.40e-05
1627	76	-0.06	-0.06	-0.29	-8.78e-05	0.0	3.10e-05
1627	116	-6.44	0.80	-0.32	-2.19e-04	0.0	-1.97e-04
1627	139	-0.69	6.38	0.13	-1.46e-03	0.0	8.25e-05
1627	140	-2.86	-5.02	-0.50	1.06e-03	0.0	-1.34e-04
1627	148	-7.23	0.88	-0.34	-2.34e-04	0.0	-2.24e-04
1627	171	-0.76	7.20	0.17	-1.65e-03	0.0	9.11e-05
1627	172	-3.21	-5.70	-0.55	1.21e-03	0.0	-1.53e-04
1627	180	-7.16	0.79	-0.34	-2.15e-04	0.0	-2.24e-04
1627	203	-0.71	7.36	0.18	-1.68e-03	0.0	9.24e-05
1627	204	-3.21	-5.87	-0.56	1.25e-03	0.0	-1.53e-04
1627	212	-8.38	0.85	-0.38	-2.27e-04	0.0	-2.68e-04
1627	235	-0.80	8.72	0.25	-1.98e-03	0.0	1.07e-04
1627	236	-3.76	-7.01	-0.63	1.50e-03	0.0	-1.83e-04
1627	264	-0.38	0.06	-0.18	-7.59e-05	0.0	2.64e-05
1627	276	-0.03	0.58	-0.14	-1.90e-04	0.0	2.35e-05
1627	280	-0.04	-0.04	-0.20	-6.21e-05	0.0	2.14e-05
1627	298	-0.03	0.09	-0.17	-7.66e-05	0.0	1.83e-05
1627	305	-0.10	0.08	-0.16	-7.11e-05	0.0	1.86e-05
1627	307	-0.03	0.18	-0.16	-9.40e-05	0.0	1.80e-05
1627	310	-0.03	0.08	-0.16	-7.23e-05	0.0	1.72e-05
1628	44	-0.65	0.14	-0.26	-1.30e-04	0.0	4.57e-05
1628	68	-0.06	1.00	-0.21	-2.78e-04	0.0	4.26e-05
1628	76	-0.09	-0.01	-0.30	-1.21e-04	0.0	3.84e-05
1628	116	-7.17	0.92	-0.33	-2.30e-04	0.0	-2.21e-04
1628	139	-0.76	7.16	0.14	-1.48e-03	0.0	9.58e-05
1628	140	-3.20	-5.59	-0.53	1.05e-03	0.0	-1.50e-04
1628	148	-8.05	1.00	-0.35	-2.45e-04	0.0	-2.51e-04
1628	171	-0.84	8.08	0.18	-1.66e-03	0.0	1.06e-04
1628	172	-3.59	-6.34	-0.57	1.20e-03	0.0	-1.72e-04
1628	180	-7.97	0.90	-0.36	-2.25e-04	0.0	-2.51e-04
1628	203	-0.79	8.25	0.19	-1.69e-03	0.0	1.07e-04
1628	204	-3.59	-6.54	-0.58	1.24e-03	0.0	-1.72e-04
1628	212	-9.33	0.97	-0.39	-2.36e-04	0.0	-3.01e-04
1628	235	-0.88	9.77	0.26	-1.99e-03	0.0	1.23e-04
1628	236	-4.21	-7.81	-0.66	1.49e-03	0.0	-2.06e-04
1628	264	-0.43	0.10	-0.19	-9.09e-05	0.0	3.15e-05
1628	276	-0.04	0.67	-0.15	-1.89e-04	0.0	2.94e-05

1628	280	-0.06	-3.88e-03	-0.21	-8.48e-05	0.0	2.66e-05
1628	298	-0.05	0.13	-0.18	-9.11e-05	0.0	2.28e-05
1628	305	-0.12	0.11	-0.17	-8.46e-05	0.0	2.28e-05
1628	307	-0.04	0.23	-0.16	-1.04e-04	0.0	2.24e-05
1628	310	-0.05	0.12	-0.17	-8.58e-05	0.0	2.14e-05
1629	18	0.21	0.41	-0.11	-1.62e-04	0.0	4.74e-05
1629	44	-0.75	0.36	-1.09e-03	-1.53e-04	0.0	6.47e-05
1629	68	-0.09	2.22	-0.07	-1.18e-04	0.0	5.50e-04
1629	113	8.06	-0.31	-0.78	-2.26e-05	0.0	2.89e-04
1629	116	-8.20	0.79	0.67	-1.74e-04	0.0	-2.23e-04
1629	139	-0.86	8.46	0.03	-1.45e-03	0.0	2.56e-04
1629	145	9.07	-0.36	-0.87	-1.59e-05	0.0	3.22e-04
1629	148	-9.21	0.84	0.76	-1.81e-04	0.0	-2.56e-04
1629	171	-0.95	9.53	0.04	-1.63e-03	0.0	2.85e-04
1629	177	8.98	-0.26	-0.86	-3.22e-05	0.0	3.27e-04
1629	180	-9.12	0.74	0.75	-1.64e-04	0.0	-2.61e-04
1629	203	-0.89	9.74	0.04	-1.67e-03	0.0	2.92e-04
1629	209	10.53	-0.27	-1.00	-3.22e-05	0.0	3.84e-04
1629	212	-10.67	0.76	0.89	-1.64e-04	0.0	-3.18e-04
1629	235	-0.99	11.53	0.05	-1.96e-03	0.0	3.41e-04
1629	251	0.14	0.28	-0.08	-1.13e-04	0.0	3.31e-05
1629	264	-0.51	0.25	-7.43e-03	-1.07e-04	0.0	4.46e-05
1629	276	-0.06	1.49	-0.05	-8.33e-05	0.0	3.68e-04
1629	303	-0.03	0.24	-0.06	-9.86e-05	0.0	3.22e-05
1629	305	-0.16	0.24	-0.05	-9.74e-05	0.0	3.45e-05
1629	307	-0.07	0.49	-0.05	-9.28e-05	0.0	9.91e-05
1629	310	-0.07	0.24	-0.05	-9.82e-05	0.0	3.30e-05
1630	18	0.21	0.38	-0.12	-1.64e-04	0.0	4.85e-05
1630	44	-0.75	0.33	-0.07	-1.54e-04	0.0	6.57e-05
1630	68	-0.09	1.93	-0.09	-1.61e-04	0.0	5.30e-04
1630	114	6.50	-3.86	-0.37	5.90e-04	0.0	7.42e-05
1630	116	-8.20	0.85	0.18	-1.90e-04	0.0	-2.22e-04
1630	139	-0.86	8.30	0.04	-1.47e-03	0.0	2.55e-04
1630	146	7.30	-4.38	-0.41	6.78e-04	0.0	7.87e-05
1630	148	-9.21	0.91	0.21	-1.99e-04	0.0	-2.55e-04
1630	171	-0.95	9.36	0.06	-1.65e-03	0.0	2.85e-04
1630	178	7.16	-4.42	-0.41	6.86e-04	0.0	7.47e-05
1630	180	-9.13	0.81	0.21	-1.82e-04	0.0	-2.60e-04
1630	203	-0.89	9.57	0.06	-1.68e-03	0.0	2.92e-04
1630	210	8.34	-5.28	-0.46	8.32e-04	0.0	7.94e-05
1630	212	-10.68	0.83	0.25	-1.84e-04	0.0	-3.17e-04
1630	235	-0.99	11.32	0.08	-1.98e-03	0.0	3.41e-04
1630	251	0.14	0.26	-0.09	-1.14e-04	0.0	3.39e-05
1630	264	-0.51	0.23	-0.05	-1.08e-04	0.0	4.54e-05
1630	276	-0.06	1.30	-0.07	-1.12e-04	0.0	3.55e-04
1630	303	-0.03	0.23	-0.08	-1.00e-04	0.0	3.28e-05
1630	305	-0.16	0.22	-0.07	-9.87e-05	0.0	3.51e-05
1630	307	-0.07	0.43	-0.07	-9.96e-05	0.0	9.71e-05
1630	310	-0.07	0.22	-0.08	-9.96e-05	0.0	3.36e-05
1631	18	0.21	0.49	-0.12	-1.60e-04	0.0	4.07e-05
1631	44	-0.85	0.44	-3.49e-03	-1.51e-04	0.0	5.90e-05
1631	68	-0.12	2.18	-0.07	1.51e-04	0.0	4.51e-04
1631	113	8.95	-0.29	-0.82	-3.10e-05	0.0	3.04e-04
1631	116	-9.13	0.87	0.71	-1.63e-04	0.0	-2.46e-04
1631	139	-0.96	9.15	0.04	-1.38e-03	0.0	2.25e-04
1631	145	10.07	-0.35	-0.92	-2.52e-05	0.0	3.40e-04
1631	148	-10.26	0.93	0.80	-1.69e-04	0.0	-2.82e-04
1631	171	-1.05	10.31	0.05	-1.54e-03	0.0	2.51e-04
1631	177	9.98	-0.24	-0.91	-4.05e-05	0.0	3.44e-04
1631	180	-10.16	0.82	0.79	-1.54e-04	0.0	-2.86e-04
1631	203	-0.98	10.54	0.04	-1.58e-03	0.0	2.58e-04
1631	209	11.71	-0.25	-1.05	-4.15e-05	0.0	4.03e-04
1631	212	-11.89	0.83	0.94	-1.53e-04	0.0	-3.45e-04
1631	235	-1.09	12.47	0.06	-1.85e-03	0.0	3.01e-04
1631	251	0.14	0.34	-0.08	-1.11e-04	0.0	2.85e-05
1631	264	-0.57	0.30	-9.47e-03	-1.05e-04	0.0	4.07e-05
1631	276	-0.09	1.47	-0.05	9.58e-05	0.0	3.02e-04
1631	303	-0.04	0.29	-0.06	-9.75e-05	0.0	2.82e-05
1631	305	-0.19	0.29	-0.05	-9.62e-05	0.0	3.06e-05
1631	307	-0.09	0.52	-0.06	-5.60e-05	0.0	8.29e-05
1631	310	-0.09	0.29	-0.06	-9.71e-05	0.0	2.90e-05
1632	18	0.21	0.46	-0.13	-1.68e-04	0.0	4.17e-05
1632	44	-0.85	0.40	-0.07	-1.58e-04	0.0	6.00e-05
1632	68	-0.12	1.94	-0.10	3.99e-05	0.0	4.32e-04
1632	114	7.21	-4.15	-0.40	5.58e-04	0.0	8.70e-05

1632	116	-9.15	0.94	0.19	-1.85e-04	0.0	-2.46e-04
1632	139	-0.96	9.02	0.05	-1.41e-03	0.0	2.26e-04
1632	146	8.10	-4.71	-0.43	6.43e-04	0.0	9.34e-05
1632	148	-10.27	1.01	0.23	-1.92e-04	0.0	-2.81e-04
1632	171	-1.06	10.16	0.06	-1.58e-03	0.0	2.52e-04
1632	178	7.95	-4.75	-0.43	6.50e-04	0.0	8.85e-05
1632	180	-10.18	0.89	0.22	-1.76e-04	0.0	-2.85e-04
1632	203	-0.98	10.38	0.06	-1.61e-03	0.0	2.58e-04
1632	210	9.26	-5.68	-0.49	7.90e-04	0.0	9.60e-05
1632	212	-11.91	0.92	0.27	-1.78e-04	0.0	-3.45e-04
1632	235	-1.10	12.28	0.08	-1.90e-03	0.0	3.02e-04
1632	251	0.14	0.32	-0.09	-1.17e-04	0.0	2.92e-05
1632	264	-0.57	0.28	-0.06	-1.10e-04	0.0	4.14e-05
1632	276	-0.09	1.31	-0.07	2.18e-05	0.0	2.89e-04
1632	303	-0.04	0.28	-0.08	-1.02e-04	0.0	2.88e-05
1632	305	-0.19	0.27	-0.07	-1.01e-04	0.0	3.13e-05
1632	307	-0.09	0.47	-0.08	-7.47e-05	0.0	8.08e-05
1632	310	-0.09	0.27	-0.08	-1.02e-04	0.0	2.96e-05
1633	44	-0.75	0.29	-0.12	-1.56e-04	0.0	6.82e-05
1633	68	-0.09	1.64	-0.12	-2.11e-04	0.0	5.13e-04
1633	76	-0.13	-1.19e-03	-0.16	-1.77e-04	0.0	-6.98e-05
1633	116	-8.20	0.91	0.05	-2.09e-04	0.0	-2.20e-04
1633	118	6.86	-4.34	-0.28	6.81e-04	0.0	1.08e-04
1633	139	-0.86	8.15	0.02	-1.48e-03	0.0	2.46e-04
1633	148	-9.22	0.98	0.06	-2.20e-04	0.0	-2.53e-04
1633	150	7.71	-4.92	-0.30	7.80e-04	0.0	1.17e-04
1633	171	-0.95	9.19	0.04	-1.66e-03	0.0	2.74e-04
1633	180	-9.13	0.87	0.06	-2.02e-04	0.0	-2.57e-04
1633	182	7.59	-4.94	-0.30	7.85e-04	0.0	1.15e-04
1633	203	-0.89	9.39	0.04	-1.70e-03	0.0	2.81e-04
1633	212	-10.68	0.91	0.09	-2.07e-04	0.0	-3.14e-04
1633	214	8.86	-5.86	-0.33	9.44e-04	0.0	1.28e-04
1633	235	-0.99	11.11	0.06	-2.00e-03	0.0	3.28e-04
1633	264	-0.51	0.20	-0.09	-1.09e-04	0.0	4.71e-05
1633	276	-0.06	1.10	-0.09	-1.46e-04	0.0	3.44e-04
1633	280	-0.09	8.65e-03	-0.11	-1.23e-04	0.0	-4.49e-05
1633	298	-0.07	0.22	-0.10	-1.07e-04	0.0	3.75e-05
1633	305	-0.16	0.20	-0.10	-1.00e-04	0.0	3.67e-05
1633	307	-0.07	0.38	-0.10	-1.07e-04	0.0	9.60e-05
1633	310	-0.07	0.21	-0.10	-1.01e-04	0.0	3.52e-05
1634	44	-0.86	0.37	-0.13	-1.67e-04	0.0	6.28e-05
1634	68	-0.12	1.70	-0.13	-9.12e-05	0.0	4.20e-04
1634	76	-0.17	0.10	-0.17	-2.30e-04	0.0	-5.09e-05
1634	116	-9.17	1.01	0.05	-2.11e-04	0.0	-2.44e-04
1634	118	7.63	-4.67	-0.29	6.50e-04	0.0	1.27e-04
1634	139	-0.96	8.88	0.03	-1.45e-03	0.0	2.21e-04
1634	148	-10.30	1.09	0.07	-2.21e-04	0.0	-2.79e-04
1634	150	8.58	-5.30	-0.32	7.47e-04	0.0	1.38e-04
1634	171	-1.06	10.01	0.04	-1.62e-03	0.0	2.46e-04
1634	180	-10.20	0.97	0.07	-2.03e-04	0.0	-2.83e-04
1634	182	8.44	-5.32	-0.31	7.52e-04	0.0	1.36e-04
1634	203	-0.98	10.22	0.04	-1.66e-03	0.0	2.52e-04
1634	212	-11.93	1.02	0.09	-2.08e-04	0.0	-3.42e-04
1634	214	9.86	-6.32	-0.35	9.06e-04	0.0	1.54e-04
1634	235	-1.10	12.09	0.07	-1.95e-03	0.0	2.95e-04
1634	264	-0.57	0.26	-0.10	-1.16e-04	0.0	4.33e-05
1634	276	-0.09	1.15	-0.10	-6.59e-05	0.0	2.82e-04
1634	280	-0.12	0.08	-0.12	-1.58e-04	0.0	-3.25e-05
1634	298	-0.10	0.27	-0.11	-1.15e-04	0.0	3.35e-05
1634	305	-0.19	0.25	-0.10	-1.07e-04	0.0	3.30e-05
1634	307	-0.09	0.43	-0.10	-9.69e-05	0.0	8.07e-05
1634	310	-0.09	0.26	-0.10	-1.08e-04	0.0	3.14e-05
1635	44	-0.75	0.25	-0.19	-1.57e-04	0.0	6.63e-05
1635	68	-0.09	1.36	-0.16	-2.57e-04	0.0	4.01e-04
1635	76	-0.13	0.04	-0.22	-1.66e-04	0.0	-3.92e-05
1635	116	-8.21	0.97	-0.08	-2.27e-04	0.0	-2.22e-04
1635	138	0.72	-7.64	-0.32	1.28e-03	0.0	-1.39e-04
1635	139	-0.86	8.01	0.06	-1.49e-03	0.0	2.06e-04
1635	148	-9.22	1.05	-0.07	-2.40e-04	0.0	-2.54e-04
1635	170	0.81	-8.66	-0.35	1.46e-03	0.0	-1.61e-04
1635	171	-0.95	9.03	0.09	-1.67e-03	0.0	2.29e-04
1635	180	-9.13	0.94	-0.08	-2.21e-04	0.0	-2.57e-04
1635	202	0.75	-8.85	-0.35	1.50e-03	0.0	-1.67e-04
1635	203	-0.89	9.22	0.09	-1.70e-03	0.0	2.35e-04
1635	212	-10.68	1.00	-0.07	-2.29e-04	0.0	-3.13e-04

1635	234	0.85	-10.55	-0.39	1.80e-03	0.0	-2.06e-04
1635	235	-0.99	10.92	0.13	-2.00e-03	0.0	2.73e-04
1635	264	-0.51	0.18	-0.14	-1.09e-04	0.0	4.57e-05
1635	276	-0.06	0.91	-0.12	-1.76e-04	0.0	2.69e-04
1635	280	-0.09	0.03	-0.16	-1.15e-04	0.0	-2.46e-05
1635	298	-0.07	0.20	-0.13	-1.08e-04	0.0	3.62e-05
1635	305	-0.16	0.18	-0.13	-1.01e-04	0.0	3.55e-05
1635	307	-0.07	0.33	-0.13	-1.14e-04	0.0	8.01e-05
1635	310	-0.07	0.19	-0.13	-1.02e-04	0.0	3.39e-05
1636	44	-0.86	0.33	-0.20	-1.76e-04	0.0	6.19e-05
1636	68	-0.12	1.47	-0.17	-2.16e-04	0.0	3.32e-04
1636	76	-0.17	0.13	-0.23	-2.08e-04	0.0	-2.61e-05
1636	116	-9.20	1.08	-0.08	-2.36e-04	0.0	-2.45e-04
1636	138	0.78	-8.27	-0.34	1.25e-03	0.0	-1.30e-04
1636	139	-0.96	8.75	0.07	-1.48e-03	0.0	1.91e-04
1636	148	-10.34	1.17	-0.08	-2.48e-04	0.0	-2.80e-04
1636	170	0.87	-9.38	-0.36	1.43e-03	0.0	-1.51e-04
1636	171	-1.06	9.86	0.09	-1.66e-03	0.0	2.13e-04
1636	180	-10.24	1.05	-0.08	-2.30e-04	0.0	-2.82e-04
1636	202	0.80	-9.59	-0.37	1.46e-03	0.0	-1.57e-04
1636	203	-0.99	10.07	0.10	-1.69e-03	0.0	2.18e-04
1636	212	-11.98	1.11	-0.07	-2.37e-04	0.0	-3.41e-04
1636	234	0.91	-11.43	-0.41	1.76e-03	0.0	-1.93e-04
1636	235	-1.10	11.91	0.14	-1.99e-03	0.0	2.54e-04
1636	264	-0.58	0.23	-0.14	-1.23e-04	0.0	4.27e-05
1636	276	-0.09	0.99	-0.12	-1.49e-04	0.0	2.23e-04
1636	280	-0.12	0.10	-0.16	-1.44e-04	0.0	-1.60e-05
1636	298	-0.10	0.26	-0.14	-1.22e-04	0.0	3.28e-05
1636	305	-0.19	0.23	-0.13	-1.13e-04	0.0	3.24e-05
1636	307	-0.09	0.38	-0.13	-1.18e-04	0.0	6.84e-05
1636	310	-0.09	0.24	-0.14	-1.14e-04	0.0	3.07e-05
1637	44	-0.75	0.21	-0.27	-1.57e-04	0.0	4.70e-05
1637	68	-0.09	1.14	-0.22	-2.83e-04	0.0	5.01e-05
1637	76	-0.13	0.05	-0.31	-1.59e-04	0.0	3.72e-05
1637	116	-8.21	1.03	-0.34	-2.43e-04	0.0	-2.42e-04
1637	139	-0.86	7.90	0.14	-1.49e-03	0.0	1.04e-04
1637	140	-3.69	-6.11	-0.54	1.03e-03	0.0	-1.66e-04
1637	148	-9.22	1.13	-0.36	-2.58e-04	0.0	-2.75e-04
1637	171	-0.95	8.91	0.18	-1.67e-03	0.0	1.15e-04
1637	172	-4.14	-6.94	-0.59	1.17e-03	0.0	-1.90e-04
1637	180	-9.13	1.02	-0.37	-2.38e-04	0.0	-2.75e-04
1637	203	-0.89	9.10	0.19	-1.70e-03	0.0	1.17e-04
1637	204	-4.14	-7.15	-0.60	1.21e-03	0.0	-1.90e-04
1637	212	-10.69	1.09	-0.40	-2.49e-04	0.0	-3.29e-04
1637	235	-0.99	10.77	0.26	-2.00e-03	0.0	1.35e-04
1637	236	-4.86	-8.55	-0.68	1.46e-03	0.0	-2.28e-04
1637	264	-0.51	0.15	-0.19	-1.09e-04	0.0	3.24e-05
1637	276	-0.06	0.77	-0.16	-1.93e-04	0.0	3.44e-05
1637	280	-0.09	0.04	-0.22	-1.11e-04	0.0	2.58e-05
1637	298	-0.07	0.18	-0.18	-1.09e-04	0.0	2.32e-05
1637	305	-0.16	0.16	-0.18	-1.01e-04	0.0	2.34e-05
1637	307	-0.07	0.28	-0.17	-1.18e-04	0.0	2.38e-05
1637	310	-0.07	0.17	-0.18	-1.02e-04	0.0	2.18e-05
1638	44	-0.86	0.30	-0.29	-1.84e-04	0.0	4.32e-05
1638	68	-0.12	1.29	-0.23	-2.90e-04	0.0	3.60e-05
1638	76	-0.18	0.14	-0.32	-1.98e-04	0.0	3.47e-05
1638	116	-9.26	1.16	-0.35	-2.57e-04	0.0	-2.61e-04
1638	139	-0.97	8.65	0.14	-1.49e-03	0.0	1.08e-04
1638	140	-4.19	-6.61	-0.55	9.99e-04	0.0	-1.83e-04
1638	148	-10.40	1.26	-0.37	-2.71e-04	0.0	-2.97e-04
1638	171	-1.06	9.75	0.18	-1.67e-03	0.0	1.20e-04
1638	172	-4.71	-7.52	-0.60	1.15e-03	0.0	-2.08e-04
1638	180	-10.31	1.14	-0.38	-2.52e-04	0.0	-2.97e-04
1638	203	-0.99	9.95	0.19	-1.70e-03	0.0	1.22e-04
1638	204	-4.70	-7.75	-0.61	1.19e-03	0.0	-2.09e-04
1638	212	-12.06	1.22	-0.41	-2.62e-04	0.0	-3.55e-04
1638	235	-1.10	11.77	0.26	-2.00e-03	0.0	1.42e-04
1638	236	-5.51	-9.28	-0.70	1.44e-03	0.0	-2.50e-04
1638	264	-0.58	0.21	-0.20	-1.29e-04	0.0	2.97e-05
1638	276	-0.09	0.87	-0.16	-1.99e-04	0.0	2.49e-05
1638	280	-0.12	0.10	-0.23	-1.38e-04	0.0	2.40e-05
1638	298	-0.10	0.24	-0.19	-1.27e-04	0.0	2.02e-05
1638	305	-0.19	0.21	-0.18	-1.19e-04	0.0	2.07e-05
1638	307	-0.09	0.35	-0.18	-1.33e-04	0.0	1.97e-05
1638	310	-0.09	0.22	-0.18	-1.20e-04	0.0	1.90e-05

1639	18	0.21	0.56	-0.12	-1.58e-04	0.0	2.75e-05
1639	44	-0.95	0.51	-0.01	-1.49e-04	0.0	4.69e-05
1639	68	-0.15	1.99	-0.08	3.54e-04	0.0	2.76e-04
1639	113	9.81	-0.28	-0.84	-3.69e-05	0.0	3.17e-04
1639	116	-10.03	0.95	0.71	-1.55e-04	0.0	-2.75e-04
1639	139	-1.06	9.81	0.03	-1.32e-03	0.0	1.74e-04
1639	145	11.04	-0.33	-0.94	-3.19e-05	0.0	3.55e-04
1639	148	-11.26	1.01	0.81	-1.60e-04	0.0	-3.13e-04
1639	171	-1.16	11.04	0.04	-1.48e-03	0.0	1.95e-04
1639	177	10.93	-0.21	-0.93	-4.64e-05	0.0	3.57e-04
1639	180	-11.16	0.89	0.80	-1.46e-04	0.0	-3.15e-04
1639	203	-1.08	11.29	0.04	-1.51e-03	0.0	2.00e-04
1639	209	12.83	-0.23	-1.08	-4.81e-05	0.0	4.20e-04
1639	212	-13.05	0.91	0.95	-1.44e-04	0.0	-3.78e-04
1639	235	-1.20	13.35	0.06	-1.78e-03	0.0	2.35e-04
1639	251	0.14	0.39	-0.09	-1.10e-04	0.0	1.94e-05
1639	264	-0.64	0.36	-0.01	-1.04e-04	0.0	3.23e-05
1639	276	-0.10	1.34	-0.06	2.32e-04	0.0	1.85e-04
1639	303	-0.06	0.34	-0.07	-9.64e-05	0.0	2.01e-05
1639	305	-0.22	0.33	-0.05	-9.52e-05	0.0	2.27e-05
1639	307	-0.11	0.53	-0.06	-2.80e-05	0.0	5.33e-05
1639	310	-0.11	0.34	-0.06	-9.60e-05	0.0	2.10e-05
1640	18	0.21	0.55	-0.14	-1.71e-04	0.0	2.83e-05
1640	44	-0.94	0.48	-0.08	-1.61e-04	0.0	4.76e-05
1640	68	-0.15	1.85	-0.10	1.94e-04	0.0	2.62e-04
1640	114	7.85	-4.41	-0.42	5.35e-04	0.0	1.02e-04
1640	116	-9.99	1.03	0.20	-1.81e-04	0.0	-2.75e-04
1640	139	-1.05	9.70	0.05	-1.37e-03	0.0	1.75e-04
1640	146	8.82	-5.02	-0.46	6.17e-04	0.0	1.11e-04
1640	148	-11.21	1.10	0.24	-1.88e-04	0.0	-3.12e-04
1640	171	-1.15	10.92	0.07	-1.53e-03	0.0	1.96e-04
1640	178	8.65	-5.06	-0.45	6.25e-04	0.0	1.05e-04
1640	180	-11.11	0.98	0.23	-1.72e-04	0.0	-3.15e-04
1640	203	-1.07	11.16	0.06	-1.56e-03	0.0	2.01e-04
1640	210	10.08	-6.06	-0.52	7.60e-04	0.0	1.17e-04
1640	212	-13.00	1.01	0.29	-1.73e-04	0.0	-3.77e-04
1640	235	-1.19	13.20	0.09	-1.84e-03	0.0	2.36e-04
1640	251	0.14	0.38	-0.10	-1.19e-04	0.0	1.99e-05
1640	264	-0.63	0.34	-0.06	-1.12e-04	0.0	3.28e-05
1640	276	-0.10	1.25	-0.08	1.24e-04	0.0	1.75e-04
1640	303	-0.06	0.33	-0.09	-1.04e-04	0.0	2.06e-05
1640	305	-0.21	0.32	-0.08	-1.03e-04	0.0	2.32e-05
1640	307	-0.11	0.50	-0.08	-5.55e-05	0.0	5.17e-05
1640	310	-0.11	0.33	-0.08	-1.04e-04	0.0	2.15e-05
1641	18	0.21	0.64	-0.13	-2.38e-04	-3.36e-05	8.04e-06
1641	44	-1.02	0.58	-0.02	-2.33e-04	-1.22e-04	2.85e-05
1641	68	-0.17	1.66	-0.09	-1.04e-03	-5.40e-05	7.04e-06
1641	113	10.30	-0.25	-0.85	-6.05e-04	6.96e-04	3.26e-04
1641	116	-10.56	1.02	0.71	3.23e-04	-7.74e-04	-3.08e-04
1641	139	-1.11	10.43	0.03	-9.65e-04	-6.27e-05	1.17e-04
1641	145	11.60	-0.31	-0.95	-6.65e-04	7.88e-04	3.66e-04
1641	148	-11.85	1.08	0.80	3.83e-04	-8.66e-04	-3.48e-04
1641	171	-1.22	11.75	0.04	-1.07e-03	-6.42e-05	1.31e-04
1641	177	11.49	-0.19	-0.94	-6.71e-04	7.81e-04	3.67e-04
1641	180	-11.75	0.96	0.79	3.89e-04	-8.59e-04	-3.49e-04
1641	203	-1.13	12.01	0.03	-1.10e-03	-5.59e-05	1.35e-04
1641	209	13.48	-0.20	-1.09	-7.70e-04	9.23e-04	4.32e-04
1641	212	-13.74	0.97	0.94	4.88e-04	-1.00e-03	-4.14e-04
1641	235	-1.26	14.20	0.05	-1.28e-03	-5.41e-05	1.59e-04
1641	251	0.13	0.45	-0.10	-1.66e-04	-2.44e-05	5.88e-06
1641	264	-0.68	0.41	-0.02	-1.63e-04	-8.33e-05	1.95e-05
1641	276	-0.12	1.12	-0.07	-7.04e-04	-3.80e-05	5.21e-06
1641	303	-0.07	0.39	-0.08	-1.41e-04	-3.51e-05	8.17e-06
1641	305	-0.24	0.38	-0.06	-1.41e-04	-4.69e-05	1.09e-05
1641	307	-0.12	0.52	-0.07	-2.49e-04	-3.78e-05	8.03e-06
1641	310	-0.13	0.38	-0.07	-1.41e-04	-3.90e-05	9.08e-06
1642	18	0.21	0.64	-0.15	-2.47e-04	0.0	3.74e-06
1642	44	-1.01	0.57	-0.09	-2.42e-04	0.0	2.44e-05
1642	68	-0.17	1.65	-0.11	-8.83e-04	0.0	7.00e-05
1642	114	8.27	-4.67	-0.44	-1.92e-04	0.0	1.10e-04
1642	116	-10.55	1.12	0.21	2.76e-04	0.0	-3.12e-04
1642	139	-1.11	10.36	0.05	-8.95e-04	0.0	1.22e-04
1642	146	9.29	-5.31	-0.48	-1.96e-04	0.0	1.22e-04
1642	148	-11.85	1.19	0.24	3.31e-04	0.0	-3.52e-04
1642	171	-1.22	11.67	0.06	-9.93e-04	0.0	1.38e-04

1642	178	9.11	-5.36	-0.47	-1.87e-04	0.0	1.15e-04
1642	180	-11.74	1.07	0.24	3.36e-04	0.0	-3.53e-04
1642	203	-1.13	11.92	0.06	-1.02e-03	0.0	1.42e-04
1642	210	10.62	-6.43	-0.54	-1.87e-04	0.0	1.30e-04
1642	212	-13.73	1.10	0.29	4.27e-04	0.0	-4.19e-04
1642	235	-1.26	14.09	0.08	-1.18e-03	0.0	1.68e-04
1642	251	0.13	0.44	-0.11	-1.73e-04	0.0	2.93e-06
1642	264	-0.68	0.39	-0.07	-1.69e-04	0.0	1.67e-05
1642	276	-0.12	1.12	-0.09	-5.96e-04	0.0	4.71e-05
1642	303	-0.07	0.38	-0.09	-1.48e-04	0.0	5.14e-06
1642	305	-0.24	0.37	-0.09	-1.47e-04	0.0	7.89e-06
1642	307	-0.12	0.52	-0.09	-2.33e-04	0.0	1.40e-05
1642	310	-0.13	0.38	-0.09	-1.48e-04	0.0	6.06e-06
1643	44	-0.94	0.46	-0.14	-1.75e-04	0.0	4.95e-05
1643	68	-0.15	1.71	-0.14	3.67e-06	0.0	2.57e-04
1643	76	-0.21	0.24	-0.17	-2.71e-04	0.0	-2.27e-05
1643	116	-9.96	1.12	0.05	-2.11e-04	0.0	-2.73e-04
1643	118	8.26	-4.98	-0.31	6.27e-04	0.0	1.49e-04
1643	139	-1.04	9.59	0.03	-1.42e-03	0.0	1.74e-04
1643	148	-11.19	1.20	0.07	-2.21e-04	0.0	-3.11e-04
1643	150	9.29	-5.66	-0.33	7.21e-04	0.0	1.64e-04
1643	171	-1.15	10.80	0.05	-1.59e-03	0.0	1.94e-04
1643	180	-11.09	1.07	0.07	-2.04e-04	0.0	-3.13e-04
1643	182	9.14	-5.69	-0.33	7.26e-04	0.0	1.61e-04
1643	203	-1.07	11.04	0.05	-1.63e-03	0.0	2.00e-04
1643	212	-12.97	1.12	0.10	-2.08e-04	0.0	-3.76e-04
1643	214	10.69	-6.76	-0.37	8.77e-04	0.0	1.84e-04
1643	235	-1.19	13.05	0.07	-1.91e-03	0.0	2.34e-04
1643	264	-0.63	0.32	-0.10	-1.22e-04	0.0	3.41e-05
1643	276	-0.10	1.15	-0.10	-2.90e-06	0.0	1.72e-04
1643	280	-0.14	0.17	-0.13	-1.86e-04	0.0	-1.40e-05
1643	298	-0.12	0.33	-0.11	-1.20e-04	0.0	2.41e-05
1643	305	-0.21	0.31	-0.11	-1.12e-04	0.0	2.44e-05
1643	307	-0.11	0.47	-0.11	-8.84e-05	0.0	5.20e-05
1643	310	-0.11	0.31	-0.11	-1.13e-04	0.0	2.26e-05
1644	44	-1.01	0.55	-0.15	-2.54e-04	0.0	2.26e-05
1644	68	-0.17	1.64	-0.15	-6.92e-04	0.0	7.36e-05
1644	76	-0.24	0.40	-0.19	-1.69e-04	0.0	-9.85e-06
1644	116	-10.55	1.23	0.05	2.22e-04	0.0	-3.13e-04
1644	118	8.72	-5.29	-0.33	-1.51e-04	0.0	1.61e-04
1644	139	-1.10	10.29	0.03	-8.15e-04	0.0	1.23e-04
1644	148	-11.84	1.31	0.07	2.70e-04	0.0	-3.53e-04
1644	150	9.81	-6.01	-0.35	-1.48e-04	0.0	1.80e-04
1644	171	-1.21	11.58	0.04	-9.01e-04	0.0	1.38e-04
1644	180	-11.74	1.18	0.07	2.75e-04	0.0	-3.54e-04
1644	182	9.65	-6.04	-0.35	-1.40e-04	0.0	1.76e-04
1644	203	-1.13	11.84	0.04	-9.22e-04	0.0	1.42e-04
1644	212	-13.73	1.23	0.10	3.56e-04	0.0	-4.20e-04
1644	214	11.28	-7.19	-0.39	-1.33e-04	0.0	2.05e-04
1644	235	-1.25	13.98	0.07	-1.07e-03	0.0	1.69e-04
1644	264	-0.68	0.38	-0.11	-1.78e-04	0.0	1.55e-05
1644	276	-0.12	1.11	-0.11	-4.70e-04	0.0	4.94e-05
1644	280	-0.17	0.28	-0.14	-1.20e-04	0.0	-6.17e-06
1644	298	-0.14	0.40	-0.12	-1.66e-04	0.0	5.07e-06
1644	305	-0.24	0.37	-0.12	-1.56e-04	0.0	6.73e-06
1644	307	-0.12	0.51	-0.12	-2.15e-04	0.0	1.35e-05
1644	310	-0.13	0.37	-0.12	-1.57e-04	0.0	4.89e-06
1645	44	-0.94	0.43	-0.21	-1.92e-04	0.0	4.87e-05
1645	68	-0.15	1.57	-0.18	-1.81e-04	0.0	2.06e-04
1645	76	-0.21	0.25	-0.24	-2.41e-04	0.0	-9.03e-06
1645	116	-9.96	1.21	-0.09	-2.42e-04	0.0	-2.74e-04
1645	138	0.82	-8.88	-0.35	1.22e-03	0.0	-1.15e-04
1645	139	-1.04	9.49	0.07	-1.47e-03	0.0	1.59e-04
1645	148	-11.19	1.30	-0.08	-2.54e-04	0.0	-3.11e-04
1645	170	0.92	-10.08	-0.38	1.40e-03	0.0	-1.34e-04
1645	171	-1.14	10.68	0.09	-1.65e-03	0.0	1.78e-04
1645	180	-11.09	1.17	-0.08	-2.36e-04	0.0	-3.13e-04
1645	202	0.84	-10.31	-0.38	1.43e-03	0.0	-1.38e-04
1645	203	-1.06	10.91	0.10	-1.68e-03	0.0	1.82e-04
1645	212	-12.97	1.24	-0.08	-2.43e-04	0.0	-3.75e-04
1645	234	0.96	-12.30	-0.43	1.72e-03	0.0	-1.69e-04
1645	235	-1.18	12.90	0.14	-1.97e-03	0.0	2.13e-04
1645	264	-0.63	0.30	-0.15	-1.34e-04	0.0	3.35e-05
1645	276	-0.10	1.06	-0.13	-1.26e-04	0.0	1.39e-04
1645	280	-0.14	0.18	-0.17	-1.67e-04	0.0	-4.97e-06

1645	298	-0.12	0.32	-0.15	-1.32e-04	0.0	2.35e-05
1645	305	-0.21	0.29	-0.14	-1.23e-04	0.0	2.38e-05
1645	307	-0.11	0.45	-0.14	-1.21e-04	0.0	4.48e-05
1645	310	-0.11	0.30	-0.14	-1.24e-04	0.0	2.20e-05
1646	44	-1.01	0.54	-0.22	-2.70e-04	0.0	2.24e-05
1646	68	-0.17	1.63	-0.20	-5.15e-04	0.0	5.81e-05
1646	76	-0.24	0.39	-0.26	-2.48e-04	0.0	-5.67e-06
1646	116	-10.55	1.33	-0.10	1.73e-04	0.0	-3.12e-04
1646	138	0.84	-9.48	-0.37	4.14e-04	0.0	-1.13e-04
1646	139	-1.10	10.22	0.06	-7.51e-04	0.0	1.23e-04
1646	148	-11.84	1.43	-0.09	2.17e-04	0.0	-3.52e-04
1646	170	0.95	-10.76	-0.40	4.90e-04	0.0	-1.29e-04
1646	171	-1.21	11.50	0.09	-8.27e-04	0.0	1.38e-04
1646	180	-11.73	1.29	-0.09	2.21e-04	0.0	-3.53e-04
1646	202	0.87	-11.01	-0.40	5.09e-04	0.0	-1.33e-04
1646	203	-1.12	11.75	0.09	-8.46e-04	0.0	1.42e-04
1646	212	-13.72	1.36	-0.09	2.93e-04	0.0	-4.19e-04
1646	234	0.99	-13.14	-0.45	6.38e-04	0.0	-1.59e-04
1646	235	-1.25	13.88	0.14	-9.75e-04	0.0	1.69e-04
1646	264	-0.68	0.37	-0.16	-1.88e-04	0.0	1.53e-05
1646	276	-0.12	1.10	-0.14	-3.51e-04	0.0	3.91e-05
1646	280	-0.17	0.28	-0.19	-1.74e-04	0.0	-3.41e-06
1646	298	-0.14	0.39	-0.16	-1.79e-04	0.0	4.92e-06
1646	305	-0.24	0.36	-0.15	-1.68e-04	0.0	6.59e-06
1646	307	-0.12	0.51	-0.15	-2.01e-04	0.0	1.14e-05
1646	310	-0.13	0.37	-0.15	-1.68e-04	0.0	4.74e-06
1647	44	-0.94	0.40	-0.30	-2.06e-04	0.0	3.57e-05
1647	68	-0.15	1.45	-0.25	-2.97e-04	0.0	2.51e-05
1647	76	-0.21	0.25	-0.34	-2.29e-04	0.0	2.55e-05
1647	116	-9.98	1.30	-0.36	-2.67e-04	0.0	-2.81e-04
1647	139	-1.04	9.40	0.13	-1.49e-03	0.0	1.13e-04
1647	140	-4.53	-7.10	-0.57	9.75e-04	0.0	-2.03e-04
1647	148	-11.20	1.40	-0.38	-2.81e-04	0.0	-3.18e-04
1647	171	-1.14	10.58	0.17	-1.67e-03	0.0	1.26e-04
1647	172	-5.08	-8.08	-0.62	1.12e-03	0.0	-2.30e-04
1647	180	-11.10	1.27	-0.39	-2.62e-04	0.0	-3.18e-04
1647	203	-1.06	10.81	0.18	-1.70e-03	0.0	1.29e-04
1647	204	-5.08	-8.33	-0.63	1.16e-03	0.0	-2.31e-04
1647	212	-12.98	1.36	-0.43	-2.72e-04	0.0	-3.79e-04
1647	235	-1.18	12.78	0.25	-2.00e-03	0.0	1.51e-04
1647	236	-5.96	-9.99	-0.71	1.41e-03	0.0	-2.76e-04
1647	264	-0.64	0.28	-0.22	-1.44e-04	0.0	2.45e-05
1647	276	-0.10	0.98	-0.18	-2.04e-04	0.0	1.75e-05
1647	280	-0.15	0.18	-0.24	-1.59e-04	0.0	1.77e-05
1647	298	-0.12	0.31	-0.20	-1.42e-04	0.0	1.47e-05
1647	305	-0.22	0.28	-0.20	-1.32e-04	0.0	1.56e-05
1647	307	-0.11	0.42	-0.19	-1.44e-04	0.0	1.42e-05
1647	310	-0.11	0.29	-0.19	-1.33e-04	0.0	1.38e-05
1648	44	-1.01	0.52	-0.33	-2.86e-04	0.0	2.71e-05
1648	68	-0.17	1.62	-0.27	-4.14e-04	0.0	2.28e-05
1648	76	-0.24	0.38	-0.37	-3.04e-04	0.0	1.18e-05
1648	116	-10.54	1.44	-0.38	-2.24e-04	0.0	-3.01e-04
1648	139	-1.10	10.14	0.11	-8.29e-04	0.0	1.20e-04
1648	140	-4.80	-7.57	-0.58	3.59e-04	0.0	-2.27e-04
1648	148	-11.84	1.55	-0.40	-2.29e-04	0.0	-3.40e-04
1648	171	-1.21	11.42	0.15	-9.13e-04	0.0	1.35e-04
1648	172	-5.39	-8.62	-0.63	4.30e-04	0.0	-2.57e-04
1648	180	-11.73	1.41	-0.40	-2.21e-04	0.0	-3.40e-04
1648	203	-1.12	11.66	0.16	-9.29e-04	0.0	1.38e-04
1648	204	-5.39	-8.90	-0.64	4.47e-04	0.0	-2.58e-04
1648	212	-13.72	1.50	-0.44	-2.22e-04	0.0	-4.04e-04
1648	235	-1.24	13.77	0.23	-1.07e-03	0.0	1.63e-04
1648	236	-6.31	-10.67	-0.72	5.67e-04	0.0	-3.07e-04
1648	264	-0.68	0.36	-0.23	-1.99e-04	0.0	1.85e-05
1648	276	-0.12	1.10	-0.20	-2.85e-04	0.0	1.56e-05
1648	280	-0.17	0.27	-0.26	-2.11e-04	0.0	8.32e-06
1648	298	-0.14	0.39	-0.22	-1.91e-04	0.0	8.22e-06
1648	305	-0.24	0.36	-0.21	-1.79e-04	0.0	9.66e-06
1648	307	-0.12	0.50	-0.21	-1.96e-04	0.0	9.09e-06
1648	310	-0.13	0.36	-0.21	-1.80e-04	0.0	7.74e-06
1649	28	-0.32	0.06	-0.23	-1.10e-04	0.0	2.09e-05
1649	44	-0.51	0.03	-0.21	-9.04e-05	0.0	2.31e-05
1649	68	-0.02	0.79	-0.16	-3.48e-04	0.0	-1.22e-04
1649	116	-5.92	0.74	-0.29	-2.33e-04	0.0	-1.75e-04
1649	139	-0.63	5.60	0.04	-1.47e-03	0.0	-9.46e-05

1649	144	-2.36	-5.01	-0.37	1.22e-03	0.0	8.44e-05
1649	148	-6.65	0.81	-0.31	-2.52e-04	0.0	-1.97e-04
1649	171	-0.70	6.32	0.06	-1.65e-03	0.0	-1.07e-04
1649	176	-2.65	-5.67	-0.40	1.38e-03	0.0	9.38e-05
1649	180	-6.59	0.73	-0.32	-2.31e-04	0.0	-1.96e-04
1649	203	-0.65	6.45	0.07	-1.68e-03	0.0	-1.04e-04
1649	208	-2.65	-5.82	-0.41	1.42e-03	0.0	9.08e-05
1649	212	-7.71	0.80	-0.35	-2.47e-04	0.0	-2.32e-04
1649	235	-0.74	7.65	0.10	-1.99e-03	0.0	-1.22e-04
1649	240	-3.10	-6.93	-0.46	1.70e-03	0.0	1.05e-04
1649	256	-0.22	0.04	-0.16	-7.63e-05	0.0	1.44e-05
1649	264	-0.34	0.02	-0.15	-6.33e-05	0.0	1.58e-05
1649	276	-0.02	0.53	-0.12	-2.35e-04	0.0	-8.06e-05
1649	298	-0.02	0.05	-0.14	-6.47e-05	0.0	8.29e-06
1649	305	-0.08	0.04	-0.13	-6.00e-05	0.0	9.25e-06
1649	307	-0.02	0.14	-0.13	-9.43e-05	0.0	-1.00e-05
1649	310	-0.02	0.04	-0.13	-6.11e-05	0.0	7.82e-06
1650	28	-0.37	0.12	-0.25	-1.28e-04	0.0	2.69e-05
1650	44	-0.57	0.07	-0.24	-1.05e-04	0.0	2.82e-05
1650	68	-0.04	0.97	-0.18	-3.18e-04	0.0	-2.18e-04
1650	116	-6.44	0.86	-0.32	-2.37e-04	0.0	-2.11e-04
1650	139	-0.68	6.37	0.04	-1.47e-03	0.0	-1.03e-04
1650	144	-2.58	-5.66	-0.40	1.20e-03	0.0	8.90e-05
1650	148	-7.23	0.95	-0.34	-2.55e-04	0.0	-2.38e-04
1650	171	-0.76	7.20	0.07	-1.65e-03	0.0	-1.16e-04
1650	176	-2.90	-6.41	-0.44	1.37e-03	0.0	9.83e-05
1650	180	-7.17	0.86	-0.34	-2.35e-04	0.0	-2.35e-04
1650	203	-0.71	7.34	0.07	-1.68e-03	0.0	-1.10e-04
1650	208	-2.89	-6.57	-0.44	1.41e-03	0.0	9.25e-05
1650	212	-8.39	0.93	-0.38	-2.50e-04	0.0	-2.79e-04
1650	235	-0.80	8.70	0.11	-1.98e-03	0.0	-1.29e-04
1650	240	-3.39	-7.83	-0.50	1.68e-03	0.0	1.05e-04
1650	256	-0.25	0.08	-0.18	-8.86e-05	0.0	1.85e-05
1650	264	-0.38	0.05	-0.17	-7.36e-05	0.0	1.93e-05
1650	276	-0.03	0.65	-0.13	-2.15e-04	0.0	-1.45e-04
1650	298	-0.03	0.08	-0.15	-7.46e-05	0.0	1.14e-05
1650	305	-0.10	0.07	-0.15	-6.93e-05	0.0	1.22e-05
1650	307	-0.03	0.19	-0.14	-9.76e-05	0.0	-2.06e-05
1650	310	-0.03	0.08	-0.15	-7.04e-05	0.0	1.07e-05
1651	28	-0.42	0.19	-0.27	-1.57e-04	0.0	3.23e-05
1651	44	-0.64	0.13	-0.25	-1.30e-04	0.0	3.29e-05
1651	68	-0.06	1.13	-0.19	-2.89e-04	0.0	-2.63e-04
1651	116	-7.10	0.99	-0.33	-2.45e-04	0.0	-2.41e-04
1651	139	-0.75	7.15	0.05	-1.47e-03	0.0	-1.16e-04
1651	144	-2.85	-6.29	-0.43	1.18e-03	0.0	9.99e-05
1651	148	-7.97	1.08	-0.35	-2.62e-04	0.0	-2.73e-04
1651	171	-0.83	8.07	0.07	-1.65e-03	0.0	-1.31e-04
1651	176	-3.21	-7.13	-0.46	1.34e-03	0.0	1.10e-04
1651	180	-7.90	0.98	-0.36	-2.42e-04	0.0	-2.70e-04
1651	203	-0.78	8.24	0.08	-1.68e-03	0.0	-1.23e-04
1651	208	-3.20	-7.32	-0.47	1.38e-03	0.0	1.03e-04
1651	212	-9.24	1.06	-0.39	-2.56e-04	0.0	-3.20e-04
1651	235	-0.87	9.76	0.13	-1.98e-03	0.0	-1.45e-04
1651	240	-3.75	-8.72	-0.53	1.66e-03	0.0	1.16e-04
1651	256	-0.28	0.13	-0.19	-1.09e-04	0.0	2.22e-05
1651	264	-0.43	0.09	-0.18	-9.06e-05	0.0	2.26e-05
1651	276	-0.04	0.76	-0.14	-1.96e-04	0.0	-1.75e-04
1651	298	-0.05	0.12	-0.16	-9.10e-05	0.0	1.42e-05
1651	305	-0.12	0.11	-0.16	-8.46e-05	0.0	1.48e-05
1651	307	-0.04	0.24	-0.15	-1.06e-04	0.0	-2.46e-05
1651	310	-0.04	0.12	-0.15	-8.58e-05	0.0	1.33e-05
1652	28	-0.32	0.05	-0.22	-1.07e-04	0.0	1.68e-05
1652	44	-0.51	0.02	-0.22	-8.80e-05	0.0	1.97e-05
1652	68	-0.02	0.88	-0.16	-4.34e-04	0.0	-1.77e-04
1652	116	-5.93	0.80	-0.43	-2.53e-04	0.0	-1.77e-04
1652	139	-0.63	5.59	-0.02	-1.49e-03	0.0	-9.25e-05
1652	148	-6.66	0.88	-0.46	-2.74e-04	0.0	-2.00e-04
1652	171	-0.70	6.32	-2.89e-03	-1.67e-03	0.0	-1.04e-04
1652	180	-6.60	0.79	-0.46	-2.52e-04	0.0	-1.98e-04
1652	203	-0.65	6.45	4.04e-03	-1.70e-03	0.0	-9.98e-05
1652	212	-7.72	0.87	-0.52	-2.72e-04	0.0	-2.34e-04
1652	235	-0.74	7.64	0.03	-2.01e-03	0.0	-1.17e-04
1652	256	-0.22	0.04	-0.16	-7.44e-05	0.0	1.15e-05
1652	264	-0.34	0.01	-0.16	-6.16e-05	0.0	1.34e-05
1652	276	-0.02	0.59	-0.12	-2.92e-04	0.0	-1.17e-04

1652	305	-0.08	0.04	-0.13	-5.85e-05	0.0	7.04e-06
1652	307	-0.02	0.15	-0.12	-1.05e-04	0.0	-1.91e-05
1652	310	-0.02	0.04	-0.13	-5.97e-05	0.0	5.59e-06
1653	28	-0.36	0.11	-0.24	-1.25e-04	0.0	2.19e-05
1653	44	-0.56	0.06	-0.24	-1.03e-04	0.0	2.40e-05
1653	68	-0.04	1.13	-0.18	-3.74e-04	0.0	-3.22e-04
1653	116	-6.44	0.93	-0.47	-2.54e-04	0.0	-2.16e-04
1653	139	-0.68	6.38	-0.02	-1.48e-03	0.0	-1.03e-04
1653	148	-7.24	1.02	-0.51	-2.74e-04	0.0	-2.43e-04
1653	171	-0.76	7.21	-1.27e-03	-1.66e-03	0.0	-1.16e-04
1653	180	-7.17	0.93	-0.51	-2.53e-04	0.0	-2.40e-04
1653	203	-0.71	7.35	6.36e-03	-1.70e-03	0.0	-1.07e-04
1653	212	-8.39	1.02	-0.57	-2.72e-04	0.0	-2.84e-04
1653	235	-0.80	8.71	0.04	-2.00e-03	0.0	-1.24e-04
1653	256	-0.24	0.07	-0.17	-8.69e-05	0.0	1.50e-05
1653	264	-0.38	0.04	-0.17	-7.21e-05	0.0	1.64e-05
1653	276	-0.03	0.76	-0.13	-2.53e-04	0.0	-2.14e-04
1653	305	-0.10	0.07	-0.14	-6.81e-05	0.0	9.57e-06
1653	307	-0.03	0.21	-0.14	-1.04e-04	0.0	-3.66e-05
1653	310	-0.03	0.07	-0.14	-6.93e-05	0.0	8.08e-06
1654	28	-0.40	0.17	-0.27	-1.57e-04	0.0	3.15e-05
1654	44	-0.61	0.12	-0.26	-1.29e-04	0.0	3.22e-05
1654	68	-0.05	1.33	-0.19	-2.98e-04	0.0	-3.98e-04
1654	116	-6.99	1.07	-0.53	-2.57e-04	0.0	-2.47e-04
1654	139	-0.74	7.17	-0.02	-1.47e-03	0.0	-1.16e-04
1654	148	-7.85	1.17	-0.57	-2.75e-04	0.0	-2.80e-04
1654	171	-0.82	8.09	-1.12e-04	-1.65e-03	0.0	-1.31e-04
1654	180	-7.78	1.07	-0.57	-2.55e-04	0.0	-2.75e-04
1654	203	-0.77	8.25	8.46e-03	-1.68e-03	0.0	-1.20e-04
1654	212	-9.10	1.16	-0.65	-2.72e-04	0.0	-3.26e-04
1654	235	-0.86	9.78	0.04	-1.98e-03	0.0	-1.40e-04
1654	256	-0.27	0.12	-0.19	-1.09e-04	0.0	2.16e-05
1654	264	-0.41	0.08	-0.19	-9.03e-05	0.0	2.21e-05
1654	276	-0.03	0.89	-0.14	-2.03e-04	0.0	-2.65e-04
1654	305	-0.11	0.10	-0.16	-8.45e-05	0.0	1.44e-05
1654	307	-0.04	0.26	-0.15	-1.07e-04	0.0	-4.30e-05
1654	310	-0.04	0.11	-0.15	-8.57e-05	0.0	1.28e-05
1655	28	-0.51	0.27	-0.28	-1.91e-04	0.0	2.93e-05
1655	44	-0.75	0.20	-0.26	-1.58e-04	0.0	3.07e-05
1655	68	-0.09	1.27	-0.20	-2.69e-04	0.0	-2.26e-04
1655	116	-8.21	1.12	-0.34	-2.55e-04	0.0	-2.61e-04
1655	139	-0.86	7.89	0.05	-1.47e-03	0.0	-1.34e-04
1655	144	-3.33	-6.88	-0.44	1.15e-03	0.0	1.12e-04
1655	148	-9.22	1.22	-0.36	-2.70e-04	0.0	-2.95e-04
1655	171	-0.95	8.90	0.08	-1.65e-03	0.0	-1.52e-04
1655	176	-3.75	-7.80	-0.48	1.31e-03	0.0	1.24e-04
1655	180	-9.13	1.10	-0.36	-2.51e-04	0.0	-2.93e-04
1655	203	-0.89	9.08	0.09	-1.68e-03	0.0	-1.46e-04
1655	208	-3.74	-8.00	-0.49	1.35e-03	0.0	1.19e-04
1655	212	-10.69	1.19	-0.40	-2.64e-04	0.0	-3.47e-04
1655	235	-0.99	10.75	0.14	-1.98e-03	0.0	-1.71e-04
1655	240	-4.38	-9.55	-0.55	1.62e-03	0.0	1.36e-04
1655	256	-0.34	0.19	-0.20	-1.32e-04	0.0	2.01e-05
1655	264	-0.51	0.14	-0.19	-1.10e-04	0.0	2.10e-05
1655	276	-0.06	0.85	-0.15	-1.84e-04	0.0	-1.50e-04
1655	298	-0.07	0.17	-0.17	-1.10e-04	0.0	1.23e-05
1655	305	-0.16	0.15	-0.16	-1.02e-04	0.0	1.31e-05
1655	307	-0.07	0.30	-0.16	-1.17e-04	0.0	-2.11e-05
1655	310	-0.07	0.16	-0.16	-1.04e-04	0.0	1.15e-05
1656	28	-0.61	0.38	-0.29	-2.25e-04	0.0	2.40e-05
1656	44	-0.88	0.29	-0.27	-1.86e-04	0.0	2.67e-05
1656	68	-0.13	1.40	-0.21	-2.51e-04	0.0	-2.21e-04
1656	116	-9.34	1.25	-0.36	-2.64e-04	0.0	-2.79e-04
1656	139	-0.98	8.63	0.05	-1.47e-03	0.0	-1.50e-04
1656	144	-3.82	-7.44	-0.47	1.11e-03	0.0	1.20e-04
1656	148	-10.49	1.35	-0.38	-2.79e-04	0.0	-3.15e-04
1656	171	-1.07	9.72	0.08	-1.64e-03	0.0	-1.70e-04
1656	176	-4.30	-8.44	-0.51	1.27e-03	0.0	1.34e-04
1656	180	-10.40	1.23	-0.38	-2.60e-04	0.0	-3.13e-04
1656	203	-1.00	9.93	0.09	-1.68e-03	0.0	-1.64e-04
1656	208	-4.30	-8.66	-0.51	1.31e-03	0.0	1.29e-04
1656	212	-12.16	1.33	-0.43	-2.72e-04	0.0	-3.70e-04
1656	235	-1.11	11.74	0.14	-1.97e-03	0.0	-1.93e-04
1656	240	-5.02	-10.34	-0.58	1.58e-03	0.0	1.49e-04
1656	256	-0.41	0.26	-0.20	-1.56e-04	0.0	1.65e-05

1656	264	-0.59	0.20	-0.19	-1.30e-04	0.0	1.82e-05
1656	276	-0.09	0.94	-0.15	-1.73e-04	0.0	-1.47e-04
1656	298	-0.10	0.23	-0.17	-1.29e-04	0.0	9.08e-06
1656	305	-0.19	0.21	-0.17	-1.20e-04	0.0	1.02e-05
1656	307	-0.09	0.36	-0.16	-1.29e-04	0.0	-2.28e-05
1656	310	-0.10	0.22	-0.17	-1.21e-04	0.0	8.54e-06
1657	28	-0.51	0.26	-0.29	-1.93e-04	0.0	2.67e-05
1657	44	-0.75	0.19	-0.28	-1.60e-04	0.0	2.85e-05
1657	68	-0.09	1.41	-0.21	-2.49e-04	0.0	-2.94e-04
1657	116	-8.21	1.20	-0.58	-2.63e-04	0.0	-2.65e-04
1657	139	-0.86	7.89	-0.02	-1.46e-03	0.0	-1.30e-04
1657	148	-9.22	1.31	-0.63	-2.80e-04	0.0	-2.99e-04
1657	171	-0.95	8.90	2.87e-03	-1.64e-03	0.0	-1.47e-04
1657	180	-9.13	1.19	-0.63	-2.60e-04	0.0	-2.96e-04
1657	203	-0.89	9.08	0.01	-1.67e-03	0.0	-1.39e-04
1657	212	-10.68	1.30	-0.72	-2.74e-04	0.0	-3.51e-04
1657	235	-0.99	10.75	0.05	-1.96e-03	0.0	-1.62e-04
1657	256	-0.34	0.18	-0.21	-1.34e-04	0.0	1.83e-05
1657	264	-0.51	0.13	-0.20	-1.11e-04	0.0	1.95e-05
1657	276	-0.06	0.95	-0.15	-1.71e-04	0.0	-1.95e-04
1657	305	-0.16	0.15	-0.17	-1.04e-04	0.0	1.17e-05
1657	307	-0.07	0.31	-0.16	-1.15e-04	0.0	-3.12e-05
1657	310	-0.07	0.16	-0.16	-1.05e-04	0.0	1.01e-05
1658	28	-0.63	0.37	-0.30	-2.26e-04	0.0	2.14e-05
1658	44	-0.90	0.28	-0.29	-1.88e-04	0.0	2.45e-05
1658	68	-0.14	1.56	-0.22	-2.01e-04	0.0	-3.38e-04
1658	116	-9.46	1.34	-0.56	-2.68e-04	0.0	-2.84e-04
1658	139	-0.99	8.63	-9.46e-03	-1.45e-03	0.0	-1.42e-04
1658	148	-10.63	1.46	-0.61	-2.84e-04	0.0	-3.20e-04
1658	171	-1.09	9.73	0.01	-1.62e-03	0.0	-1.60e-04
1658	180	-10.53	1.33	-0.61	-2.65e-04	0.0	-3.17e-04
1658	203	-1.01	9.92	0.02	-1.65e-03	0.0	-1.52e-04
1658	212	-12.32	1.44	-0.69	-2.77e-04	0.0	-3.74e-04
1658	235	-1.12	11.74	0.06	-1.94e-03	0.0	-1.77e-04
1658	256	-0.42	0.26	-0.22	-1.57e-04	0.0	1.47e-05
1658	264	-0.60	0.20	-0.21	-1.31e-04	0.0	1.67e-05
1658	276	-0.10	1.05	-0.16	-1.40e-04	0.0	-2.25e-04
1658	298	-0.11	0.23	-0.18	-1.30e-04	0.0	7.64e-06
1658	305	-0.20	0.21	-0.18	-1.21e-04	0.0	8.89e-06
1658	307	-0.10	0.38	-0.17	-1.23e-04	0.0	-3.94e-05
1658	310	-0.10	0.22	-0.17	-1.23e-04	0.0	7.19e-06
1659	44	-0.95	0.39	-0.28	-2.07e-04	0.0	2.35e-05
1659	68	-0.15	1.52	-0.22	-2.30e-04	0.0	-1.32e-04
1659	76	-0.21	0.23	-0.30	-2.52e-04	0.0	5.38e-05
1659	116	-9.99	1.38	-0.38	-2.71e-04	0.0	-2.88e-04
1659	139	-1.04	9.36	0.05	-1.46e-03	0.0	7.49e-05
1659	144	-4.11	-7.98	-0.49	1.08e-03	0.0	-1.08e-04
1659	148	-11.22	1.50	-0.40	-2.85e-04	0.0	-3.25e-04
1659	171	-1.14	10.54	0.09	-1.63e-03	0.0	8.39e-05
1659	176	-4.61	-9.07	-0.53	1.24e-03	0.0	-1.23e-04
1659	180	-11.12	1.37	-0.41	-2.66e-04	0.0	-3.24e-04
1659	203	-1.06	10.76	0.09	-1.67e-03	0.0	8.47e-05
1659	208	-4.61	-9.30	-0.54	1.27e-03	0.0	-1.23e-04
1659	212	-13.01	1.47	-0.45	-2.77e-04	0.0	-3.84e-04
1659	235	-1.18	12.72	0.15	-1.95e-03	0.0	9.93e-05
1659	240	-5.39	-11.12	-0.61	1.54e-03	0.0	-1.46e-04
1659	264	-0.64	0.28	-0.20	-1.44e-04	0.0	1.60e-05
1659	276	-0.11	1.03	-0.16	-1.60e-04	0.0	-8.74e-05
1659	280	-0.15	0.17	-0.21	-1.74e-04	0.0	3.62e-05
1659	298	-0.12	0.31	-0.18	-1.43e-04	0.0	6.39e-06
1659	305	-0.22	0.28	-0.18	-1.33e-04	0.0	7.85e-06
1659	307	-0.11	0.43	-0.17	-1.36e-04	0.0	-1.28e-05
1659	310	-0.11	0.29	-0.18	-1.35e-04	0.0	6.02e-06
1660	44	-1.02	0.51	-0.31	-2.80e-04	0.0	2.92e-05
1660	68	-0.17	1.61	-0.25	-4.84e-04	0.0	-1.41e-06
1660	76	-0.24	0.38	-0.33	-2.74e-04	0.0	2.20e-05
1660	116	-10.54	1.52	-0.40	-2.41e-04	0.0	-2.92e-04
1660	139	-1.10	10.09	0.05	-8.50e-04	0.0	1.17e-04
1660	144	-4.34	-8.50	-0.51	4.43e-04	0.0	-1.42e-04
1660	148	-11.84	1.64	-0.42	-2.48e-04	0.0	-3.30e-04
1660	171	-1.20	11.36	0.08	-9.38e-04	0.0	1.31e-04
1660	176	-4.88	-9.67	-0.56	5.24e-04	0.0	-1.62e-04
1660	180	-11.73	1.50	-0.43	-2.39e-04	0.0	-3.30e-04
1660	203	-1.12	11.59	0.09	-9.54e-04	0.0	1.34e-04
1660	208	-4.88	-9.92	-0.57	5.41e-04	0.0	-1.65e-04

1660	212	-13.72	1.61	-0.48	-2.43e-04	0.0	-3.93e-04
1660	235	-1.24	13.69	0.14	-1.10e-03	0.0	1.58e-04
1660	240	-5.70	-11.87	-0.64	6.77e-04	0.0	-1.98e-04
1660	264	-0.68	0.36	-0.22	-1.95e-04	0.0	1.99e-05
1660	276	-0.12	1.09	-0.18	-3.31e-04	0.0	0.0
1660	280	-0.17	0.27	-0.23	-1.91e-04	0.0	1.51e-05
1660	298	-0.14	0.39	-0.20	-1.87e-04	0.0	9.67e-06
1660	305	-0.24	0.35	-0.19	-1.75e-04	0.0	1.10e-05
1660	307	-0.13	0.50	-0.19	-2.03e-04	0.0	6.93e-06
1660	310	-0.13	0.36	-0.19	-1.76e-04	0.0	9.03e-06
1661	28	-0.68	0.50	-0.31	-2.49e-04	0.0	1.45e-05
1661	44	-0.96	0.39	-0.30	-2.07e-04	0.0	1.92e-05
1661	68	-0.16	1.61	-0.23	-1.37e-04	0.0	-1.96e-04
1661	116	-10.01	1.47	-0.53	-2.69e-04	0.0	-2.91e-04
1661	139	-1.05	9.34	-4.22e-03	-1.42e-03	0.0	6.30e-05
1661	148	-11.24	1.60	-0.57	-2.83e-04	0.0	-3.28e-04
1661	171	-1.15	10.52	0.02	-1.59e-03	0.0	7.09e-05
1661	180	-11.14	1.46	-0.57	-2.65e-04	0.0	-3.26e-04
1661	196	-6.84	-5.70	-0.58	7.75e-04	0.0	-4.19e-04
1661	203	-1.07	10.73	0.03	-1.62e-03	0.0	7.09e-05
1661	212	-13.03	1.58	-0.65	-2.76e-04	0.0	-3.86e-04
1661	228	-8.10	-6.95	-0.66	9.66e-04	0.0	-5.02e-04
1661	235	-1.19	12.69	0.07	-1.90e-03	0.0	8.32e-05
1661	256	-0.46	0.35	-0.22	-1.72e-04	0.0	9.93e-06
1661	264	-0.65	0.27	-0.22	-1.44e-04	0.0	1.30e-05
1661	276	-0.11	1.09	-0.17	-9.77e-05	0.0	-1.30e-04
1661	298	-0.12	0.30	-0.19	-1.43e-04	0.0	3.49e-06
1661	305	-0.22	0.28	-0.18	-1.33e-04	0.0	5.14e-06
1661	307	-0.11	0.44	-0.17	-1.24e-04	0.0	-2.35e-05
1661	310	-0.12	0.29	-0.18	-1.35e-04	0.0	3.29e-06
1662	28	-0.72	0.63	-0.33	-3.22e-04	0.0	3.19e-05
1662	44	-1.02	0.50	-0.32	-2.72e-04	0.0	3.36e-05
1662	68	-0.17	1.61	-0.25	-5.77e-04	0.0	2.02e-05
1662	116	-10.54	1.61	-0.52	-2.57e-04	0.0	-2.88e-04
1662	132	-6.34	-5.07	-0.53	2.22e-04	0.0	-3.86e-04
1662	139	-1.10	10.03	-6.76e-03	-8.85e-04	0.0	1.20e-04
1662	148	-11.83	1.74	-0.56	-2.66e-04	0.0	-3.25e-04
1662	164	-7.13	-5.80	-0.57	2.74e-04	0.0	-4.38e-04
1662	171	-1.20	11.29	0.02	-9.78e-04	0.0	1.34e-04
1662	180	-11.73	1.60	-0.56	-2.56e-04	0.0	-3.26e-04
1662	196	-7.22	-6.07	-0.58	2.93e-04	0.0	-4.49e-04
1662	203	-1.12	11.52	0.03	-9.94e-04	0.0	1.38e-04
1662	212	-13.72	1.72	-0.63	-2.64e-04	0.0	-3.88e-04
1662	228	-8.55	-7.42	-0.66	3.90e-04	0.0	-5.41e-04
1662	235	-1.24	13.61	0.07	-1.15e-03	0.0	1.62e-04
1662	256	-0.49	0.44	-0.23	-2.23e-04	0.0	2.18e-05
1662	264	-0.68	0.35	-0.23	-1.89e-04	0.0	2.30e-05
1662	276	-0.12	1.09	-0.18	-3.93e-04	0.0	1.40e-05
1662	298	-0.14	0.38	-0.20	-1.82e-04	0.0	1.31e-05
1662	305	-0.24	0.35	-0.20	-1.70e-04	0.0	1.41e-05
1662	307	-0.13	0.50	-0.19	-2.11e-04	0.0	1.23e-05
1662	310	-0.13	0.36	-0.19	-1.71e-04	0.0	1.21e-05
1663	44	-0.51	0.02	-0.14	-1.35e-04	0.0	1.25e-05
1663	68	-0.02	1.48	-0.12	-1.42e-03	0.0	-8.94e-05
1663	76	-0.04	-0.31	-0.15	2.09e-04	0.0	2.80e-05
1663	116	-5.93	1.05	-8.37e-03	-4.01e-04	0.0	-1.89e-04
1663	118	5.04	-3.48	-0.21	9.61e-04	0.0	1.07e-04
1663	139	-0.63	5.70	-0.01	-1.77e-03	0.0	4.12e-05
1663	148	-6.67	1.17	2.62e-03	-4.35e-04	0.0	-2.12e-04
1663	150	5.66	-3.92	-0.23	1.09e-03	0.0	1.20e-04
1663	171	-0.70	6.44	-3.29e-03	-1.99e-03	0.0	4.61e-05
1663	180	-6.60	1.08	6.39e-04	-4.09e-04	0.0	-2.10e-04
1663	182	5.57	-3.91	-0.23	1.09e-03	0.0	1.17e-04
1663	203	-0.66	6.56	-2.97e-03	-2.02e-03	0.0	4.31e-05
1663	212	-7.73	1.20	0.02	-4.47e-04	0.0	-2.48e-04
1663	214	6.50	-4.60	-0.25	1.29e-03	0.0	1.37e-04
1663	235	-0.74	7.77	0.01	-2.38e-03	0.0	5.00e-05
1663	264	-0.34	0.01	-0.10	-9.41e-05	0.0	8.43e-06
1663	276	-0.02	0.99	-0.09	-9.49e-04	0.0	-5.95e-05
1663	280	-0.03	-0.20	-0.11	1.35e-04	0.0	1.87e-05
1663	298	-0.02	0.06	-0.10	-9.63e-05	0.0	0.0
1663	305	-0.08	0.05	-0.10	-8.91e-05	0.0	2.17e-06
1663	307	-0.02	0.24	-0.10	-2.60e-04	0.0	-1.14e-05
1663	310	-0.02	0.06	-0.10	-9.07e-05	0.0	0.0
1664	44	-0.51	0.01	-0.14	-1.36e-04	0.0	1.22e-05

1664	68	-0.02	1.51	-0.12	-1.45e-03	0.0	-8.33e-05
1664	76	-0.04	-0.32	-0.15	2.16e-04	0.0	2.57e-05
1664	116	-5.94	1.10	-0.14	-4.16e-04	0.0	-1.89e-04
1664	139	-0.63	5.69	-0.04	-1.78e-03	0.0	4.16e-05
1664	144	-2.37	-5.04	-0.17	1.43e-03	0.0	-6.44e-05
1664	148	-6.67	1.21	-0.14	-4.52e-04	0.0	-2.12e-04
1664	171	-0.70	6.43	-0.03	-2.00e-03	0.0	4.66e-05
1664	176	-2.66	-5.71	-0.18	1.63e-03	0.0	-7.22e-05
1664	180	-6.61	1.12	-0.14	-4.25e-04	0.0	-2.10e-04
1664	203	-0.66	6.55	-0.03	-2.03e-03	0.0	4.38e-05
1664	208	-2.66	-5.85	-0.19	1.67e-03	0.0	-6.87e-05
1664	212	-7.74	1.25	-0.15	-4.66e-04	0.0	-2.48e-04
1664	235	-0.74	7.76	-0.01	-2.39e-03	0.0	5.08e-05
1664	240	-3.11	-6.96	-0.20	2.00e-03	0.0	-8.02e-05
1664	264	-0.34	0.01	-0.11	-9.52e-05	0.0	8.22e-06
1664	276	-0.02	1.01	-0.09	-9.69e-04	0.0	-5.55e-05
1664	280	-0.03	-0.21	-0.11	1.39e-04	0.0	1.72e-05
1664	298	-0.02	0.06	-0.10	-9.75e-05	0.0	0.0
1664	305	-0.09	0.05	-0.10	-9.03e-05	0.0	1.97e-06
1664	307	-0.02	0.24	-0.10	-2.65e-04	0.0	-1.08e-05
1664	310	-0.02	0.06	-0.10	-9.19e-05	0.0	0.0
1665	44	-0.56	0.09	-0.14	-1.36e-04	0.0	6.64e-06
1665	68	-0.04	2.23	-0.13	-1.07e-03	0.0	-1.82e-04
1665	76	-0.06	-0.42	-0.16	1.03e-04	0.0	4.56e-05
1665	116	-6.45	1.26	2.17e-03	-3.76e-04	0.0	-2.42e-04
1665	118	5.45	-3.99	-0.24	8.94e-04	0.0	1.93e-04
1665	139	-0.68	6.64	-0.01	-1.67e-03	0.0	-1.51e-04
1665	148	-7.25	1.39	0.02	-4.08e-04	0.0	-2.71e-04
1665	150	6.13	-4.50	-0.25	1.02e-03	0.0	2.17e-04
1665	171	-0.76	7.49	-2.10e-04	-1.87e-03	0.0	-1.68e-04
1665	180	-7.18	1.29	0.01	-3.83e-04	0.0	-2.67e-04
1665	182	6.03	-4.49	-0.25	1.01e-03	0.0	2.08e-04
1665	203	-0.71	7.63	-4.63e-05	-1.91e-03	0.0	-1.56e-04
1665	212	-8.40	1.43	0.03	-4.18e-04	0.0	-3.14e-04
1665	214	7.04	-5.29	-0.28	1.21e-03	0.0	2.43e-04
1665	235	-0.80	9.04	0.02	-2.24e-03	0.0	-1.80e-04
1665	264	-0.38	0.06	-0.11	-9.48e-05	0.0	4.33e-06
1665	276	-0.02	1.49	-0.10	-7.15e-04	0.0	-1.21e-04
1665	280	-0.04	-0.28	-0.12	6.40e-05	0.0	3.03e-05
1665	298	-0.03	0.11	-0.11	-9.69e-05	0.0	-3.86e-06
1665	305	-0.10	0.09	-0.10	-8.97e-05	0.0	-1.92e-06
1665	307	-0.03	0.38	-0.10	-2.14e-04	0.0	-2.70e-05
1665	310	-0.03	0.10	-0.10	-9.13e-05	0.0	-3.59e-06
1666	44	-0.56	0.09	-0.16	-1.37e-04	0.0	6.51e-06
1666	68	-0.04	2.29	-0.13	-1.09e-03	0.0	-1.89e-04
1666	76	-0.06	-0.44	-0.16	1.07e-04	0.0	4.75e-05
1666	116	-6.44	1.32	-0.15	-3.89e-04	0.0	-2.40e-04
1666	139	-0.68	6.64	-0.04	-1.67e-03	0.0	-1.52e-04
1666	144	-2.58	-5.80	-0.19	1.33e-03	0.0	1.13e-04
1666	148	-7.24	1.45	-0.15	-4.22e-04	0.0	-2.70e-04
1666	171	-0.76	7.50	-0.03	-1.88e-03	0.0	-1.69e-04
1666	176	-2.90	-6.58	-0.20	1.52e-03	0.0	1.26e-04
1666	180	-7.17	1.35	-0.16	-3.96e-04	0.0	-2.66e-04
1666	203	-0.71	7.64	-0.03	-1.91e-03	0.0	-1.57e-04
1666	208	-2.90	-6.74	-0.21	1.55e-03	0.0	1.16e-04
1666	212	-8.39	1.50	-0.17	-4.34e-04	0.0	-3.12e-04
1666	235	-0.80	9.04	-0.01	-2.25e-03	0.0	-1.81e-04
1666	240	-3.39	-8.02	-0.22	1.87e-03	0.0	1.34e-04
1666	264	-0.38	0.06	-0.12	-9.58e-05	0.0	4.24e-06
1666	276	-0.03	1.53	-0.10	-7.30e-04	0.0	-1.26e-04
1666	280	-0.04	-0.29	-0.12	6.69e-05	0.0	3.16e-05
1666	298	-0.03	0.11	-0.11	-9.80e-05	0.0	-3.94e-06
1666	305	-0.10	0.09	-0.11	-9.07e-05	0.0	-2.00e-06
1666	307	-0.03	0.39	-0.10	-2.18e-04	0.0	-2.80e-05
1666	310	-0.03	0.10	-0.11	-9.24e-05	0.0	-3.67e-06
1667	44	-0.60	0.16	-0.14	-1.38e-04	0.0	0.0
1667	68	-0.05	2.75	-0.13	-5.20e-04	0.0	-2.07e-04
1667	76	-0.07	-0.46	-0.16	-6.50e-05	0.0	4.28e-05
1667	116	-6.89	1.46	0.04	-3.37e-04	0.0	-2.81e-04
1667	118	5.81	-4.45	-0.28	7.85e-04	0.0	2.20e-04
1667	139	-0.73	7.51	-2.58e-03	-1.50e-03	0.0	-1.81e-04
1667	148	-7.74	1.60	0.06	-3.64e-04	0.0	-3.15e-04
1667	150	6.53	-5.03	-0.31	8.95e-04	0.0	2.47e-04
1667	171	-0.80	8.47	0.01	-1.68e-03	0.0	-2.01e-04
1667	180	-7.66	1.49	0.06	-3.42e-04	0.0	-3.10e-04

1667	182	6.42	-5.02	-0.30	8.92e-04	0.0	2.36e-04
1667	203	-0.75	8.63	0.01	-1.71e-03	0.0	-1.87e-04
1667	212	-8.97	1.65	0.09	-3.71e-04	0.0	-3.64e-04
1667	214	7.50	-5.92	-0.34	1.06e-03	0.0	2.76e-04
1667	235	-0.85	10.21	0.03	-2.01e-03	0.0	-2.14e-04
1667	264	-0.40	0.11	-0.11	-9.66e-05	0.0	0.0
1667	276	-0.03	1.84	-0.10	-3.51e-04	0.0	-1.38e-04
1667	280	-0.05	-0.30	-0.12	-4.78e-05	0.0	2.83e-05
1667	298	-0.04	0.16	-0.11	-9.87e-05	0.0	-8.51e-06
1667	305	-0.11	0.14	-0.11	-9.14e-05	0.0	-6.18e-06
1667	307	-0.04	0.49	-0.11	-1.42e-04	0.0	-3.39e-05
1667	310	-0.04	0.15	-0.11	-9.30e-05	0.0	-7.96e-06
1668	44	-0.61	0.16	-0.17	-1.39e-04	0.0	1.11e-06
1668	68	-0.05	2.80	-0.14	-5.32e-04	0.0	-2.89e-04
1668	76	-0.07	-0.47	-0.17	-6.25e-05	0.0	6.85e-05
1668	116	-6.90	1.52	-0.16	-3.45e-04	0.0	-2.84e-04
1668	139	-0.73	7.51	-0.04	-1.50e-03	0.0	-1.82e-04
1668	144	-2.78	-6.49	-0.21	1.17e-03	0.0	1.28e-04
1668	148	-7.75	1.67	-0.17	-3.73e-04	0.0	-3.18e-04
1668	171	-0.81	8.47	-0.03	-1.68e-03	0.0	-2.01e-04
1668	176	-3.12	-7.36	-0.22	1.34e-03	0.0	1.43e-04
1668	180	-7.68	1.56	-0.17	-3.51e-04	0.0	-3.13e-04
1668	203	-0.75	8.63	-0.02	-1.71e-03	0.0	-1.85e-04
1668	208	-3.12	-7.54	-0.22	1.37e-03	0.0	1.28e-04
1668	212	-8.99	1.73	-0.18	-3.81e-04	0.0	-3.67e-04
1668	235	-0.85	10.21	-7.83e-03	-2.01e-03	0.0	-2.12e-04
1668	240	-3.65	-8.99	-0.24	1.65e-03	0.0	1.48e-04
1668	264	-0.41	0.11	-0.12	-9.70e-05	0.0	0.0
1668	276	-0.03	1.87	-0.11	-3.59e-04	0.0	-1.93e-04
1668	280	-0.05	-0.31	-0.13	-4.61e-05	0.0	4.54e-05
1668	298	-0.04	0.16	-0.11	-9.92e-05	0.0	-8.05e-06
1668	305	-0.11	0.14	-0.11	-9.18e-05	0.0	-5.75e-06
1668	307	-0.04	0.49	-0.11	-1.44e-04	0.0	-4.45e-05
1668	310	-0.04	0.15	-0.11	-9.35e-05	0.0	-7.53e-06
1669	28	-0.33	0.06	-0.16	-1.69e-04	0.0	7.36e-06
1669	44	-0.52	0.01	-0.16	-1.38e-04	0.0	1.21e-05
1669	68	-0.02	1.53	-0.12	-1.48e-03	0.0	-7.42e-05
1669	116	-5.94	1.14	-0.26	-4.31e-04	0.0	-1.88e-04
1669	139	-0.63	5.69	-0.05	-1.79e-03	0.0	4.22e-05
1669	148	-6.67	1.26	-0.28	-4.69e-04	0.0	-2.12e-04
1669	171	-0.70	6.42	-0.04	-2.01e-03	0.0	4.73e-05
1669	180	-6.61	1.17	-0.28	-4.41e-04	0.0	-2.10e-04
1669	203	-0.66	6.54	-0.04	-2.04e-03	0.0	4.46e-05
1669	212	-7.74	1.30	-0.31	-4.85e-04	0.0	-2.48e-04
1669	235	-0.74	7.74	-0.03	-2.40e-03	0.0	5.18e-05
1669	256	-0.22	0.04	-0.11	-1.17e-04	0.0	4.98e-06
1669	264	-0.34	8.91e-03	-0.11	-9.64e-05	0.0	8.14e-06
1669	276	-0.02	1.02	-0.09	-9.89e-04	0.0	-4.94e-05
1669	305	-0.09	0.05	-0.10	-9.14e-05	0.0	1.89e-06
1669	307	-0.02	0.25	-0.10	-2.70e-04	0.0	-9.61e-06
1669	310	-0.02	0.06	-0.10	-9.31e-05	0.0	0.0
1670	44	-0.56	0.08	-0.17	-1.38e-04	0.0	6.42e-06
1670	68	-0.04	2.35	-0.13	-1.12e-03	0.0	-1.95e-04
1670	116	-6.45	1.37	-0.29	-4.03e-04	0.0	-2.39e-04
1670	139	-0.68	6.64	-0.05	-1.68e-03	0.0	-1.52e-04
1670	148	-7.25	1.51	-0.31	-4.37e-04	0.0	-2.68e-04
1670	171	-0.76	7.49	-0.04	-1.89e-03	0.0	-1.69e-04
1670	180	-7.18	1.41	-0.31	-4.12e-04	0.0	-2.65e-04
1670	203	-0.71	7.63	-0.04	-1.92e-03	0.0	-1.58e-04
1670	212	-8.40	1.57	-0.35	-4.51e-04	0.0	-3.11e-04
1670	235	-0.80	9.03	-0.03	-2.26e-03	0.0	-1.83e-04
1670	264	-0.38	0.06	-0.12	-9.67e-05	0.0	4.18e-06
1670	276	-0.03	1.57	-0.10	-7.51e-04	0.0	-1.30e-04
1670	305	-0.10	0.09	-0.11	-9.17e-05	0.0	-2.05e-06
1670	307	-0.03	0.40	-0.11	-2.23e-04	0.0	-2.89e-05
1670	310	-0.03	0.11	-0.11	-9.34e-05	0.0	-3.72e-06
1671	44	-0.61	0.16	-0.19	-1.39e-04	0.0	1.41e-06
1671	68	-0.05	2.93	-0.14	-5.46e-04	0.0	-3.78e-04
1671	116	-6.88	1.59	-0.35	-3.54e-04	0.0	-2.88e-04
1671	139	-0.73	7.53	-0.06	-1.50e-03	0.0	-1.83e-04
1671	148	-7.73	1.75	-0.38	-3.83e-04	0.0	-3.22e-04
1671	171	-0.80	8.49	-0.05	-1.68e-03	0.0	-2.03e-04
1671	180	-7.66	1.63	-0.38	-3.60e-04	0.0	-3.16e-04
1671	203	-0.75	8.65	-0.05	-1.72e-03	0.0	-1.86e-04
1671	212	-8.97	1.81	-0.43	-3.92e-04	0.0	-3.71e-04

1671	235	-0.84	10.22	-0.03	-2.02e-03	0.0	-2.12e-04
1671	264	-0.41	0.11	-0.14	-9.73e-05	0.0	0.0
1671	276	-0.03	1.96	-0.11	-3.69e-04	0.0	-2.52e-04
1671	305	-0.11	0.14	-0.12	-9.22e-05	0.0	-5.56e-06
1671	307	-0.04	0.51	-0.11	-1.46e-04	0.0	-5.61e-05
1671	310	-0.04	0.16	-0.12	-9.39e-05	0.0	-7.34e-06
1672	44	-0.77	0.23	-0.14	-1.42e-04	0.0	1.48e-06
1672	68	-0.10	2.82	-0.14	4.60e-05	0.0	-2.79e-04
1672	76	-0.14	-0.37	-0.17	-2.40e-04	0.0	6.55e-05
1672	116	-8.26	1.62	0.07	-2.95e-04	0.0	-2.95e-04
1672	118	6.89	-4.81	-0.33	6.67e-04	0.0	2.32e-04
1672	139	-0.87	8.21	5.91e-03	-1.32e-03	0.0	-1.85e-04
1672	148	-9.27	1.77	0.09	-3.17e-04	0.0	-3.31e-04
1672	150	7.75	-5.44	-0.35	7.63e-04	0.0	2.61e-04
1672	171	-0.96	9.25	0.02	-1.48e-03	0.0	-2.05e-04
1672	180	-9.19	1.65	0.09	-2.98e-04	0.0	-3.25e-04
1672	182	7.62	-5.42	-0.35	7.61e-04	0.0	2.50e-04
1672	203	-0.89	9.42	0.02	-1.50e-03	0.0	-1.89e-04
1672	212	-10.75	1.82	0.12	-3.20e-04	0.0	-3.82e-04
1672	214	8.90	-6.40	-0.39	9.11e-04	0.0	2.92e-04
1672	235	-1.00	11.14	0.04	-1.77e-03	0.0	-2.17e-04
1672	264	-0.52	0.16	-0.11	-9.89e-05	0.0	0.0
1672	276	-0.07	1.89	-0.11	2.62e-05	0.0	-1.86e-04
1672	280	-0.10	-0.24	-0.12	-1.64e-04	0.0	4.34e-05
1672	298	-0.08	0.21	-0.11	-1.01e-04	0.0	-8.00e-06
1672	305	-0.16	0.19	-0.11	-9.35e-05	0.0	-5.67e-06
1672	307	-0.07	0.53	-0.11	-6.84e-05	0.0	-4.30e-05
1672	310	-0.08	0.20	-0.11	-9.51e-05	0.0	-7.49e-06
1673	44	-0.77	0.23	-0.17	-1.41e-04	0.0	1.55e-06
1673	68	-0.10	2.90	-0.15	5.00e-05	0.0	-2.90e-04
1673	76	-0.14	-0.39	-0.18	-2.40e-04	0.0	6.89e-05
1673	116	-8.26	1.68	-0.17	-2.98e-04	0.0	-2.94e-04
1673	139	-0.87	8.21	-0.04	-1.31e-03	0.0	-1.84e-04
1673	144	-3.36	-7.03	-0.22	1.00e-03	0.0	1.29e-04
1673	148	-9.27	1.85	-0.17	-3.21e-04	0.0	-3.30e-04
1673	171	-0.96	9.26	-0.03	-1.47e-03	0.0	-2.05e-04
1673	176	-3.78	-7.98	-0.23	1.15e-03	0.0	1.45e-04
1673	180	-9.19	1.72	-0.18	-3.02e-04	0.0	-3.24e-04
1673	203	-0.89	9.43	-0.02	-1.50e-03	0.0	-1.89e-04
1673	208	-3.77	-8.18	-0.24	1.18e-03	0.0	1.31e-04
1673	212	-10.75	1.90	-0.19	-3.25e-04	0.0	-3.81e-04
1673	235	-1.00	11.15	-6.27e-03	-1.76e-03	0.0	-2.17e-04
1673	240	-4.41	-9.75	-0.26	1.42e-03	0.0	1.51e-04
1673	264	-0.52	0.16	-0.13	-9.84e-05	0.0	0.0
1673	276	-0.07	1.95	-0.11	2.88e-05	0.0	-1.94e-04
1673	280	-0.10	-0.25	-0.13	-1.65e-04	0.0	4.57e-05
1673	298	-0.08	0.21	-0.12	-1.01e-04	0.0	-7.96e-06
1673	305	-0.16	0.19	-0.12	-9.31e-05	0.0	-5.62e-06
1673	307	-0.07	0.55	-0.12	-6.77e-05	0.0	-4.45e-05
1673	310	-0.08	0.20	-0.12	-9.48e-05	0.0	-7.45e-06
1674	44	-0.93	0.30	-0.17	-1.45e-04	0.0	3.45e-06
1674	68	-0.15	2.65	-0.16	5.42e-04	0.0	-2.11e-04
1674	76	-0.22	-0.20	-0.19	-3.94e-04	0.0	4.76e-05
1674	116	-9.61	1.75	6.26e-03	-2.56e-04	0.0	-2.95e-04
1674	118	7.95	-5.11	-0.29	5.61e-04	0.0	2.30e-04
1674	139	-1.01	8.81	-7.19e-03	-1.16e-03	0.0	-1.84e-04
1674	148	-10.79	1.92	0.02	-2.73e-04	0.0	-3.30e-04
1674	150	8.95	-5.78	-0.31	6.44e-04	0.0	2.58e-04
1674	171	-1.11	9.93	7.89e-03	-1.30e-03	0.0	-2.05e-04
1674	180	-10.69	1.78	0.02	-2.57e-04	0.0	-3.26e-04
1674	182	8.80	-5.77	-0.31	6.43e-04	0.0	2.50e-04
1674	203	-1.03	10.12	8.20e-03	-1.32e-03	0.0	-1.94e-04
1674	212	-12.51	1.96	0.04	-2.73e-04	0.0	-3.84e-04
1674	214	10.29	-6.82	-0.34	7.73e-04	0.0	2.92e-04
1674	235	-1.15	11.96	0.03	-1.55e-03	0.0	-2.25e-04
1674	264	-0.63	0.21	-0.13	-1.01e-04	0.0	2.08e-06
1674	276	-0.11	1.78	-0.12	3.57e-04	0.0	-1.41e-04
1674	280	-0.15	-0.13	-0.14	-2.67e-04	0.0	3.15e-05
1674	298	-0.12	0.26	-0.13	-1.03e-04	0.0	-6.88e-06
1674	305	-0.22	0.23	-0.13	-9.56e-05	0.0	-4.58e-06
1674	307	-0.11	0.55	-0.12	-4.00e-06	0.0	-3.31e-05
1674	310	-0.12	0.25	-0.13	-9.72e-05	0.0	-6.44e-06
1675	44	-0.93	0.30	-0.18	-1.43e-04	0.0	4.16e-06
1675	68	-0.15	2.70	-0.15	5.66e-04	0.0	-2.58e-04
1675	76	-0.21	-0.22	-0.19	-3.98e-04	0.0	6.29e-05

1675	116	-9.60	1.82	-0.18	-2.57e-04	0.0	-2.97e-04
1675	139	-1.01	8.81	-0.04	-1.14e-03	0.0	-1.82e-04
1675	144	-3.94	-7.47	-0.23	8.49e-04	0.0	1.29e-04
1675	148	-10.78	1.99	-0.18	-2.74e-04	0.0	-3.32e-04
1675	171	-1.11	9.92	-0.03	-1.28e-03	0.0	-2.03e-04
1675	176	-4.43	-8.49	-0.25	9.73e-04	0.0	1.44e-04
1675	180	-10.68	1.85	-0.19	-2.58e-04	0.0	-3.28e-04
1675	203	-1.03	10.11	-0.03	-1.30e-03	0.0	-1.91e-04
1675	208	-4.42	-8.70	-0.25	9.98e-04	0.0	1.34e-04
1675	212	-12.49	2.05	-0.20	-2.75e-04	0.0	-3.86e-04
1675	235	-1.15	11.94	-6.18e-03	-1.53e-03	0.0	-2.20e-04
1675	240	-5.17	-10.39	-0.27	1.20e-03	0.0	1.55e-04
1675	264	-0.62	0.21	-0.14	-9.98e-05	0.0	2.57e-06
1675	276	-0.11	1.81	-0.12	3.73e-04	0.0	-1.72e-04
1675	280	-0.15	-0.13	-0.14	-2.70e-04	0.0	4.17e-05
1675	298	-0.12	0.26	-0.13	-1.02e-04	0.0	-6.41e-06
1675	305	-0.21	0.24	-0.13	-9.44e-05	0.0	-4.14e-06
1675	307	-0.11	0.56	-0.12	0.0	0.0	-3.91e-05
1675	310	-0.11	0.25	-0.12	-9.61e-05	0.0	-6.00e-06
1676	44	-0.77	0.23	-0.21	-1.40e-04	0.0	1.56e-06
1676	68	-0.10	3.00	-0.16	5.73e-05	0.0	-3.02e-04
1676	116	-8.26	1.75	-0.41	-3.01e-04	0.0	-2.93e-04
1676	139	-0.87	8.22	-0.07	-1.31e-03	0.0	-1.84e-04
1676	148	-9.27	1.92	-0.45	-3.24e-04	0.0	-3.29e-04
1676	171	-0.96	9.26	-0.06	-1.46e-03	0.0	-2.05e-04
1676	180	-9.19	1.79	-0.44	-3.05e-04	0.0	-3.24e-04
1676	203	-0.89	9.43	-0.05	-1.49e-03	0.0	-1.90e-04
1676	212	-10.75	1.99	-0.50	-3.29e-04	0.0	-3.80e-04
1676	235	-1.00	11.15	-0.04	-1.75e-03	0.0	-2.18e-04
1676	264	-0.52	0.16	-0.15	-9.80e-05	0.0	0.0
1676	276	-0.07	2.01	-0.12	3.38e-05	0.0	-2.02e-04
1676	305	-0.16	0.19	-0.13	-9.28e-05	0.0	-5.62e-06
1676	307	-0.07	0.56	-0.13	-6.65e-05	0.0	-4.61e-05
1676	310	-0.08	0.20	-0.13	-9.45e-05	0.0	-7.44e-06
1677	44	-0.93	0.30	-0.22	-1.41e-04	0.0	4.36e-06
1677	68	-0.15	2.81	-0.17	5.91e-04	0.0	-3.13e-04
1677	116	-9.62	1.88	-0.37	-2.57e-04	0.0	-2.99e-04
1677	139	-1.01	8.82	-0.06	-1.13e-03	0.0	-1.80e-04
1677	148	-10.80	2.07	-0.40	-2.75e-04	0.0	-3.35e-04
1677	171	-1.11	9.93	-0.05	-1.26e-03	0.0	-2.01e-04
1677	180	-10.70	1.93	-0.40	-2.58e-04	0.0	-3.30e-04
1677	203	-1.03	10.11	-0.04	-1.28e-03	0.0	-1.88e-04
1677	212	-12.52	2.13	-0.44	-2.76e-04	0.0	-3.88e-04
1677	235	-1.15	11.95	-0.02	-1.51e-03	0.0	-2.16e-04
1677	264	-0.62	0.21	-0.16	-9.85e-05	0.0	2.71e-06
1677	276	-0.11	1.88	-0.13	3.90e-04	0.0	-2.09e-04
1677	305	-0.21	0.24	-0.14	-9.33e-05	0.0	-4.00e-06
1677	307	-0.11	0.57	-0.13	4.38e-06	0.0	-4.63e-05
1677	310	-0.11	0.25	-0.14	-9.50e-05	0.0	-5.86e-06
1678	44	-0.97	0.38	-0.19	-1.47e-04	0.0	1.39e-05
1678	68	-0.16	2.18	-0.17	8.88e-04	0.0	-1.34e-04
1678	76	-0.23	0.06	-0.20	-5.01e-04	0.0	3.94e-05
1678	116	-10.02	1.86	-0.06	-2.29e-04	0.0	-2.94e-04
1678	118	8.29	-5.34	-0.25	4.87e-04	0.0	1.60e-04
1678	139	-1.05	9.33	-0.02	-1.05e-03	0.0	7.16e-05
1678	148	-11.25	2.04	-0.05	-2.43e-04	0.0	-3.31e-04
1678	150	9.32	-6.05	-0.27	5.61e-04	0.0	1.80e-04
1678	171	-1.15	10.50	-4.31e-03	-1.17e-03	0.0	8.08e-05
1678	180	-11.15	1.89	-0.05	-2.27e-04	0.0	-3.29e-04
1678	202	0.83	-10.11	-0.27	9.91e-04	0.0	-8.03e-05
1678	203	-1.07	10.70	-2.88e-03	-1.19e-03	0.0	7.97e-05
1678	212	-13.04	2.08	-0.04	-2.40e-04	0.0	-3.89e-04
1678	234	0.95	-12.05	-0.29	1.19e-03	0.0	-9.46e-05
1678	235	-1.19	12.64	0.02	-1.39e-03	0.0	9.40e-05
1678	264	-0.65	0.26	-0.14	-1.03e-04	0.0	9.31e-06
1678	276	-0.11	1.47	-0.13	5.87e-04	0.0	-8.92e-05
1678	280	-0.16	0.05	-0.15	-3.39e-04	0.0	2.63e-05
1678	298	-0.13	0.32	-0.14	-1.05e-04	0.0	0.0
1678	305	-0.22	0.28	-0.14	-9.71e-05	0.0	1.65e-06
1678	307	-0.12	0.52	-0.13	4.09e-05	0.0	-1.81e-05
1678	310	-0.12	0.30	-0.14	-9.88e-05	0.0	0.0
1679	44	-0.97	0.37	-0.19	-1.44e-04	0.0	1.37e-05
1679	68	-0.16	2.22	-0.16	9.27e-04	0.0	-1.32e-04
1679	76	-0.23	0.04	-0.20	-5.09e-04	0.0	3.85e-05
1679	116	-10.03	1.93	-0.19	-2.29e-04	0.0	-2.94e-04

1679	139	-1.05	9.31	-0.04	-1.03e-03	0.0	7.34e-05
1679	144	-4.13	-7.84	-0.24	7.44e-04	0.0	-1.16e-04
1679	148	-11.27	2.11	-0.19	-2.43e-04	0.0	-3.30e-04
1679	171	-1.15	10.48	-0.03	-1.15e-03	0.0	8.29e-05
1679	176	-4.64	-8.90	-0.26	8.54e-04	0.0	-1.30e-04
1679	180	-11.16	1.97	-0.19	-2.28e-04	0.0	-3.29e-04
1679	203	-1.07	10.68	-0.03	-1.17e-03	0.0	8.21e-05
1679	208	-4.64	-9.13	-0.26	8.74e-04	0.0	-1.29e-04
1679	212	-13.06	2.16	-0.21	-2.40e-04	0.0	-3.88e-04
1679	235	-1.19	12.62	-5.12e-03	-1.37e-03	0.0	9.69e-05
1679	240	-5.42	-10.90	-0.29	1.06e-03	0.0	-1.51e-04
1679	264	-0.65	0.26	-0.14	-1.01e-04	0.0	9.19e-06
1679	276	-0.11	1.49	-0.12	6.13e-04	0.0	-8.78e-05
1679	280	-0.16	0.04	-0.14	-3.44e-04	0.0	2.57e-05
1679	298	-0.13	0.32	-0.13	-1.03e-04	0.0	0.0
1679	305	-0.22	0.28	-0.13	-9.53e-05	0.0	1.55e-06
1679	307	-0.12	0.53	-0.13	4.75e-05	0.0	-1.78e-05
1679	310	-0.12	0.30	-0.13	-9.70e-05	0.0	0.0
1680	44	-1.02	0.45	-0.21	-2.31e-04	0.0	2.55e-05
1680	68	-0.17	1.58	-0.18	-1.57e-03	0.0	-5.27e-05
1680	76	-0.24	0.36	-0.22	1.29e-04	0.0	3.15e-05
1680	116	-10.54	1.97	-0.10	-3.68e-04	0.0	-2.93e-04
1680	138	0.84	-9.11	-0.26	1.03e-03	0.0	-1.06e-04
1680	139	-1.10	9.80	-0.03	-1.31e-03	0.0	1.19e-04
1680	148	-11.83	2.14	-0.09	-3.94e-04	0.0	-3.31e-04
1680	170	0.94	-10.34	-0.28	1.18e-03	0.0	-1.20e-04
1680	171	-1.20	11.03	-0.01	-1.47e-03	0.0	1.34e-04
1680	180	-11.73	1.99	-0.09	-3.74e-04	0.0	-3.32e-04
1680	202	0.86	-10.55	-0.28	1.21e-03	0.0	-1.24e-04
1680	203	-1.12	11.25	-0.01	-1.49e-03	0.0	1.37e-04
1680	212	-13.72	2.19	-0.09	-4.04e-04	0.0	-3.94e-04
1680	234	0.98	-12.58	-0.30	1.46e-03	0.0	-1.49e-04
1680	235	-1.24	13.28	0.01	-1.74e-03	0.0	1.62e-04
1680	264	-0.68	0.32	-0.15	-1.61e-04	0.0	1.73e-05
1680	276	-0.12	1.07	-0.14	-1.05e-03	0.0	-3.48e-05
1680	280	-0.17	0.25	-0.16	7.86e-05	0.0	2.13e-05
1680	298	-0.14	0.37	-0.15	-1.49e-04	0.0	7.09e-06
1680	305	-0.24	0.33	-0.15	-1.41e-04	0.0	8.61e-06
1680	307	-0.13	0.48	-0.14	-3.19e-04	0.0	-1.81e-06
1680	310	-0.13	0.35	-0.15	-1.42e-04	0.0	6.60e-06
1681	44	-1.02	0.45	-0.21	-2.29e-04	0.0	2.56e-05
1681	68	-0.17	1.58	-0.18	-1.60e-03	0.0	0.0
1681	76	-0.24	0.35	-0.21	1.42e-04	0.0	1.62e-05
1681	116	-10.54	2.03	-0.20	-3.84e-04	0.0	-2.93e-04
1681	139	-1.09	9.77	-0.05	-1.33e-03	0.0	1.19e-04
1681	144	-4.35	-8.15	-0.26	9.41e-04	0.0	-1.48e-04
1681	148	-11.83	2.21	-0.21	-4.11e-04	0.0	-3.31e-04
1681	171	-1.20	10.99	-0.03	-1.49e-03	0.0	1.34e-04
1681	176	-4.88	-9.27	-0.28	1.08e-03	0.0	-1.68e-04
1681	180	-11.72	2.06	-0.21	-3.90e-04	0.0	-3.32e-04
1681	203	-1.11	11.20	-0.03	-1.51e-03	0.0	1.37e-04
1681	208	-4.88	-9.50	-0.28	1.11e-03	0.0	-1.71e-04
1681	212	-13.71	2.27	-0.22	-4.23e-04	0.0	-3.94e-04
1681	235	-1.24	13.22	-9.32e-03	-1.76e-03	0.0	1.62e-04
1681	240	-5.71	-11.36	-0.31	1.34e-03	0.0	-2.04e-04
1681	264	-0.68	0.31	-0.15	-1.60e-04	0.0	1.74e-05
1681	276	-0.12	1.07	-0.13	-1.07e-03	0.0	0.0
1681	280	-0.17	0.25	-0.16	8.73e-05	0.0	1.11e-05
1681	298	-0.14	0.37	-0.14	-1.48e-04	0.0	7.23e-06
1681	305	-0.24	0.33	-0.14	-1.40e-04	0.0	8.74e-06
1681	307	-0.13	0.48	-0.14	-3.23e-04	0.0	5.21e-06
1681	310	-0.13	0.35	-0.14	-1.41e-04	0.0	6.72e-06
1682	28	-0.69	0.50	-0.22	-1.73e-04	0.0	7.83e-06
1682	44	-0.97	0.37	-0.22	-1.41e-04	0.0	1.37e-05
1682	68	-0.16	2.26	-0.17	9.68e-04	0.0	-1.27e-04
1682	116	-10.03	1.99	-0.32	-2.28e-04	0.0	-2.93e-04
1682	128	-8.15	-2.44	-0.32	1.86e-04	0.0	1.96e-05
1682	139	-1.05	9.29	-0.05	-1.00e-03	0.0	7.54e-05
1682	148	-11.27	2.18	-0.34	-2.42e-04	0.0	-3.30e-04
1682	160	-9.15	-2.80	-0.35	2.22e-04	0.0	2.19e-05
1682	171	-1.15	10.46	-0.04	-1.12e-03	0.0	8.51e-05
1682	180	-11.16	2.04	-0.34	-2.27e-04	0.0	-3.28e-04
1682	192	-9.03	-2.86	-0.34	2.25e-04	0.0	2.08e-05
1682	203	-1.07	10.66	-0.03	-1.14e-03	0.0	8.46e-05
1682	212	-13.06	2.25	-0.37	-2.40e-04	0.0	-3.87e-04

1682	224	-10.49	-3.46	-0.38	2.84e-04	0.0	2.34e-05
1682	235	-1.19	12.59	-0.01	-1.33e-03	0.0	9.99e-05
1682	256	-0.46	0.35	-0.16	-1.20e-04	0.0	5.27e-06
1682	264	-0.65	0.26	-0.16	-9.87e-05	0.0	9.18e-06
1682	276	-0.11	1.52	-0.13	6.41e-04	0.0	-8.49e-05
1682	305	-0.23	0.28	-0.14	-9.35e-05	0.0	1.54e-06
1682	307	-0.12	0.53	-0.14	5.43e-05	0.0	-1.73e-05
1682	310	-0.12	0.30	-0.14	-9.52e-05	0.0	0.0
1683	28	-0.72	0.58	-0.23	-2.63e-04	0.0	2.17e-05
1683	44	-1.02	0.44	-0.23	-2.27e-04	0.0	2.55e-05
1683	68	-0.17	1.57	-0.18	-1.62e-03	0.0	5.61e-05
1683	116	-10.54	2.09	-0.30	-3.98e-04	0.0	-2.94e-04
1683	139	-1.09	9.73	-0.05	-1.35e-03	0.0	1.18e-04
1683	144	-4.35	-8.11	-0.31	9.56e-04	0.0	-1.48e-04
1683	148	-11.83	2.28	-0.32	-4.27e-04	0.0	-3.32e-04
1683	171	-1.20	10.95	-0.04	-1.50e-03	0.0	1.33e-04
1683	176	-4.88	-9.22	-0.34	1.10e-03	0.0	-1.68e-04
1683	180	-11.72	2.13	-0.32	-4.06e-04	0.0	-3.32e-04
1683	203	-1.11	11.16	-0.04	-1.52e-03	0.0	1.37e-04
1683	208	-4.88	-9.45	-0.34	1.12e-03	0.0	-1.71e-04
1683	212	-13.71	2.35	-0.35	-4.41e-04	0.0	-3.95e-04
1683	235	-1.23	13.17	-0.01	-1.78e-03	0.0	1.61e-04
1683	240	-5.71	-11.30	-0.38	1.36e-03	0.0	-2.04e-04
1683	256	-0.49	0.40	-0.17	-1.82e-04	0.0	1.48e-05
1683	264	-0.68	0.31	-0.17	-1.59e-04	0.0	1.74e-05
1683	276	-0.12	1.06	-0.14	-1.09e-03	0.0	3.78e-05
1683	305	-0.24	0.33	-0.15	-1.39e-04	0.0	8.66e-06
1683	307	-0.13	0.48	-0.14	-3.25e-04	0.0	1.27e-05
1683	310	-0.13	0.34	-0.15	-1.39e-04	0.0	6.65e-06
1684	44	-0.52	-0.02	-0.13	-1.37e-04	0.0	3.70e-05
1684	68	-0.02	1.47	-0.10	-1.30e-03	0.0	7.08e-04
1684	76	-0.04	-0.32	-0.15	1.67e-04	0.0	-1.74e-04
1684	116	-5.94	1.35	0.10	-4.71e-04	0.0	-1.26e-04
1684	118	5.04	-3.61	-0.34	9.46e-04	0.0	9.18e-06
1684	139	-0.63	5.57	0.08	-1.67e-03	0.0	2.46e-04
1684	148	-6.68	1.50	0.12	-5.14e-04	0.0	-1.45e-04
1684	150	5.66	-4.07	-0.37	1.08e-03	0.0	8.27e-06
1684	171	-0.70	6.29	0.10	-1.87e-03	0.0	2.76e-04
1684	180	-6.61	1.40	0.12	-4.87e-04	0.0	-1.50e-04
1684	182	5.57	-4.04	-0.36	1.07e-03	0.0	8.21e-06
1684	203	-0.66	6.39	0.10	-1.90e-03	0.0	2.82e-04
1684	212	-7.74	1.58	0.15	-5.40e-04	0.0	-1.83e-04
1684	214	6.50	-4.75	-0.41	1.27e-03	0.0	7.34e-06
1684	235	-0.74	7.57	0.14	-2.24e-03	0.0	3.32e-04
1684	264	-0.35	-0.01	-0.10	-9.60e-05	0.0	2.54e-05
1684	276	-0.02	0.98	-0.08	-8.74e-04	0.0	4.73e-04
1684	280	-0.03	-0.21	-0.11	1.07e-04	0.0	-1.15e-04
1684	298	-0.02	0.05	-0.10	-1.00e-04	0.0	1.70e-05
1684	305	-0.09	0.04	-0.10	-9.23e-05	0.0	1.75e-05
1684	307	-0.02	0.24	-0.09	-2.48e-04	0.0	1.07e-04
1684	310	-0.02	0.05	-0.10	-9.43e-05	0.0	1.60e-05
1685	44	-0.52	-0.04	-0.17	-1.23e-04	0.0	3.70e-05
1685	68	-0.02	1.08	-0.11	-8.20e-04	0.0	7.27e-04
1685	76	-0.04	-0.22	-0.17	4.21e-05	0.0	-1.80e-04
1685	116	-5.94	1.38	-0.20	-4.71e-04	0.0	-1.27e-04
1685	139	-0.64	5.42	0.08	-1.58e-03	0.0	2.37e-04
1685	144	-2.37	-4.78	-0.33	1.23e-03	0.0	-2.14e-04
1685	148	-6.67	1.53	-0.21	-5.15e-04	0.0	-1.46e-04
1685	171	-0.70	6.12	0.11	-1.77e-03	0.0	2.66e-04
1685	176	-2.66	-5.42	-0.36	1.41e-03	0.0	-2.45e-04
1685	180	-6.61	1.44	-0.21	-4.90e-04	0.0	-1.50e-04
1685	203	-0.66	6.23	0.11	-1.80e-03	0.0	2.71e-04
1685	208	-2.66	-5.54	-0.36	1.44e-03	0.0	-2.51e-04
1685	212	-7.74	1.63	-0.23	-5.45e-04	0.0	-1.84e-04
1685	235	-0.74	7.37	0.15	-2.12e-03	0.0	3.19e-04
1685	240	-3.11	-6.59	-0.41	1.73e-03	0.0	-3.02e-04
1685	264	-0.35	-0.03	-0.12	-8.62e-05	0.0	2.54e-05
1685	276	-0.02	0.72	-0.08	-5.51e-04	0.0	4.85e-04
1685	280	-0.03	-0.15	-0.12	2.40e-05	0.0	-1.19e-04
1685	305	-0.09	0.03	-0.11	-8.39e-05	0.0	1.74e-05
1685	307	-0.02	0.18	-0.10	-1.77e-04	0.0	1.09e-04
1685	310	-0.02	0.04	-0.10	-8.60e-05	0.0	1.59e-05
1686	44	-0.57	0.06	-0.14	-1.37e-04	0.0	5.29e-05
1686	68	-0.04	2.23	-0.11	-9.93e-04	0.0	1.28e-03
1686	92	-0.06	-0.87	-0.16	2.68e-04	0.0	-5.81e-04

1686	116	-6.45	1.61	0.10	-4.54e-04	0.0	-1.67e-04
1686	118	5.44	-4.13	-0.37	9.02e-04	0.0	0.0
1686	139	-0.69	6.48	0.09	-1.59e-03	0.0	4.02e-04
1686	148	-7.24	1.78	0.13	-4.95e-04	0.0	-1.92e-04
1686	150	6.12	-4.66	-0.40	1.03e-03	0.0	-4.14e-06
1686	171	-0.76	7.31	0.11	-1.79e-03	0.0	4.52e-04
1686	180	-7.17	1.67	0.12	-4.69e-04	0.0	-1.96e-04
1686	182	6.02	-4.62	-0.40	1.02e-03	0.0	-6.57e-06
1686	203	-0.71	7.43	0.11	-1.82e-03	0.0	4.61e-04
1686	212	-8.40	1.88	0.16	-5.20e-04	0.0	-2.39e-04
1686	214	7.03	-5.44	-0.44	1.21e-03	0.0	-1.26e-05
1686	235	-0.80	8.79	0.15	-2.14e-03	0.0	5.43e-04
1686	264	-0.38	0.04	-0.10	-9.59e-05	0.0	3.65e-05
1686	276	-0.03	1.49	-0.08	-6.66e-04	0.0	8.58e-04
1686	288	-0.04	-0.58	-0.12	1.74e-04	0.0	-3.86e-04
1686	298	-0.04	0.11	-0.11	-9.98e-05	0.0	2.72e-05
1686	305	-0.10	0.09	-0.10	-9.21e-05	0.0	2.71e-05
1686	307	-0.03	0.38	-0.10	-2.06e-04	0.0	1.91e-04
1686	310	-0.03	0.10	-0.10	-9.41e-05	0.0	2.54e-05
1687	44	-0.58	0.03	-0.19	-1.27e-04	0.0	5.36e-05
1687	68	-0.04	1.52	-0.12	-6.43e-04	0.0	1.27e-03
1687	76	-0.07	-0.25	-0.19	-1.59e-05	0.0	-3.18e-04
1687	116	-6.44	1.62	-0.22	-4.39e-04	0.0	-1.67e-04
1687	139	-0.69	6.23	0.09	-1.48e-03	0.0	4.06e-04
1687	144	-2.58	-5.42	-0.36	1.15e-03	0.0	-3.70e-04
1687	148	-7.24	1.79	-0.23	-4.79e-04	0.0	-1.92e-04
1687	171	-0.76	7.03	0.12	-1.66e-03	0.0	4.56e-04
1687	176	-2.91	-6.14	-0.39	1.31e-03	0.0	-4.22e-04
1687	180	-7.17	1.69	-0.23	-4.56e-04	0.0	-1.96e-04
1687	203	-0.71	7.15	0.12	-1.69e-03	0.0	4.65e-04
1687	208	-2.90	-6.28	-0.40	1.34e-03	0.0	-4.32e-04
1687	212	-8.39	1.90	-0.25	-5.05e-04	0.0	-2.40e-04
1687	235	-0.80	8.46	0.17	-1.99e-03	0.0	5.47e-04
1687	240	-3.40	-7.47	-0.45	1.61e-03	0.0	-5.18e-04
1687	264	-0.39	0.02	-0.13	-8.85e-05	0.0	3.69e-05
1687	276	-0.03	1.02	-0.09	-4.33e-04	0.0	8.46e-04
1687	280	-0.05	-0.16	-0.14	-1.47e-05	0.0	-2.11e-04
1687	305	-0.11	0.07	-0.12	-8.58e-05	0.0	2.75e-05
1687	307	-0.03	0.27	-0.11	-1.55e-04	0.0	1.89e-04
1687	310	-0.04	0.09	-0.12	-8.80e-05	0.0	2.59e-05
1688	44	-0.63	0.13	-0.14	-1.37e-04	0.0	6.42e-05
1688	68	-0.06	2.78	-0.12	-5.02e-04	0.0	1.72e-03
1688	92	-0.08	-1.02	-0.17	2.34e-05	0.0	-7.84e-04
1688	116	-6.98	1.85	0.13	-4.12e-04	0.0	-2.10e-04
1688	118	5.87	-4.61	-0.41	8.03e-04	0.0	2.80e-06
1688	139	-0.74	7.33	0.10	-1.44e-03	0.0	5.15e-04
1688	148	-7.84	2.04	0.16	-4.48e-04	0.0	-2.41e-04
1688	150	6.59	-5.20	-0.44	9.15e-04	0.0	-1.88e-06
1688	171	-0.81	8.26	0.13	-1.61e-03	0.0	5.78e-04
1688	180	-7.77	1.92	0.15	-4.26e-04	0.0	-2.44e-04
1688	182	6.49	-5.16	-0.44	9.09e-04	0.0	-6.90e-06
1688	203	-0.76	8.40	0.13	-1.64e-03	0.0	5.90e-04
1688	212	-9.09	2.16	0.20	-4.70e-04	0.0	-2.97e-04
1688	214	7.57	-6.08	-0.49	1.08e-03	0.0	-1.51e-05
1688	235	-0.85	9.93	0.17	-1.93e-03	0.0	6.95e-04
1688	264	-0.42	0.09	-0.11	-9.54e-05	0.0	4.43e-05
1688	276	-0.04	1.86	-0.09	-3.39e-04	0.0	1.15e-03
1688	288	-0.06	-0.67	-0.12	1.12e-05	0.0	-5.21e-04
1688	298	-0.05	0.16	-0.11	-9.94e-05	0.0	3.41e-05
1688	305	-0.12	0.14	-0.11	-9.17e-05	0.0	3.37e-05
1688	307	-0.05	0.49	-0.10	-1.40e-04	0.0	2.55e-04
1688	310	-0.05	0.15	-0.11	-9.37e-05	0.0	3.19e-05
1689	44	-0.65	0.09	-0.20	-1.31e-04	0.0	6.50e-05
1689	68	-0.06	1.82	-0.13	-3.91e-04	0.0	1.60e-03
1689	76	-0.10	-0.23	-0.20	-9.88e-05	0.0	-4.01e-04
1689	116	-7.09	1.84	-0.23	-4.16e-04	0.0	-2.03e-04
1689	139	-0.75	7.01	0.10	-1.40e-03	0.0	5.02e-04
1689	144	-2.87	-6.01	-0.39	1.07e-03	0.0	-4.59e-04
1689	148	-7.96	2.04	-0.25	-4.53e-04	0.0	-2.33e-04
1689	171	-0.83	7.90	0.13	-1.57e-03	0.0	5.64e-04
1689	176	-3.22	-6.82	-0.43	1.22e-03	0.0	-5.23e-04
1689	180	-7.89	1.92	-0.25	-4.31e-04	0.0	-2.36e-04
1689	203	-0.77	8.03	0.14	-1.59e-03	0.0	5.75e-04
1689	208	-3.22	-6.97	-0.43	1.25e-03	0.0	-5.35e-04
1689	212	-9.23	2.16	-0.27	-4.76e-04	0.0	-2.88e-04

1689	235	-0.87	9.50	0.19	-1.87e-03	0.0	6.77e-04
1689	240	-3.77	-8.31	-0.49	1.50e-03	0.0	-6.43e-04
1689	264	-0.44	0.07	-0.14	-9.19e-05	0.0	4.49e-05
1689	276	-0.04	1.22	-0.09	-2.65e-04	0.0	1.07e-03
1689	280	-0.07	-0.14	-0.15	-7.02e-05	0.0	-2.66e-04
1689	305	-0.13	0.12	-0.13	-8.89e-05	0.0	3.42e-05
1689	307	-0.05	0.35	-0.12	-1.23e-04	0.0	2.38e-04
1689	310	-0.05	0.13	-0.12	-9.10e-05	0.0	3.25e-05
1690	44	-0.52	-0.06	-0.25	-1.08e-04	0.0	3.56e-05
1690	68	-0.02	0.67	-0.13	-2.94e-04	0.0	7.19e-04
1690	116	-5.94	1.41	-0.47	-2.94e-04	0.0	-1.32e-04
1690	139	-0.64	5.27	0.23	-1.08e-03	0.0	2.41e-04
1690	144	-2.36	-4.66	-0.67	8.30e-04	0.0	-2.23e-04
1690	148	-6.67	1.57	-0.51	-3.18e-04	0.0	-1.51e-04
1690	171	-0.70	5.95	0.28	-1.21e-03	0.0	2.71e-04
1690	176	-2.66	-5.27	-0.74	9.49e-04	0.0	-2.54e-04
1690	180	-6.61	1.48	-0.52	-3.02e-04	0.0	-1.56e-04
1690	203	-0.66	6.05	0.29	-1.23e-03	0.0	2.76e-04
1690	208	-2.66	-5.39	-0.75	9.73e-04	0.0	-2.61e-04
1690	212	-7.74	1.67	-0.59	-3.31e-04	0.0	-1.90e-04
1690	235	-0.74	7.17	0.38	-1.44e-03	0.0	3.25e-04
1690	240	-3.11	-6.41	-0.86	1.17e-03	0.0	-3.13e-04
1690	264	-0.35	-0.04	-0.17	-7.57e-05	0.0	2.43e-05
1690	276	-0.02	0.44	-0.09	-2.00e-04	0.0	4.80e-04
1690	305	-0.09	0.02	-0.14	-7.59e-05	0.0	1.65e-05
1690	307	-0.02	0.11	-0.13	-1.01e-04	0.0	1.08e-04
1690	310	-0.02	0.03	-0.13	-7.83e-05	0.0	1.50e-05
1691	44	-0.58	-5.27e-03	-0.26	-1.15e-04	0.0	5.48e-05
1691	68	-0.04	0.80	-0.13	-3.07e-04	0.0	1.27e-03
1691	116	-6.45	1.62	-0.50	-3.82e-04	0.0	-1.66e-04
1691	139	-0.69	5.99	0.25	-1.28e-03	0.0	4.07e-04
1691	144	-2.58	-5.21	-0.71	9.86e-04	0.0	-3.69e-04
1691	148	-7.24	1.80	-0.54	-4.17e-04	0.0	-1.91e-04
1691	171	-0.76	6.75	0.30	-1.44e-03	0.0	4.56e-04
1691	176	-2.91	-5.90	-0.78	1.13e-03	0.0	-4.21e-04
1691	180	-7.17	1.70	-0.55	-3.96e-04	0.0	-1.95e-04
1691	203	-0.71	6.87	0.31	-1.46e-03	0.0	4.65e-04
1691	208	-2.90	-6.04	-0.79	1.15e-03	0.0	-4.31e-04
1691	212	-8.39	1.93	-0.62	-4.38e-04	0.0	-2.38e-04
1691	235	-0.80	8.12	0.40	-1.72e-03	0.0	5.48e-04
1691	240	-3.40	-7.18	-0.91	1.39e-03	0.0	-5.17e-04
1691	264	-0.39	-7.42e-04	-0.19	-8.05e-05	0.0	3.78e-05
1691	276	-0.03	0.53	-0.10	-2.09e-04	0.0	8.45e-04
1691	305	-0.11	0.06	-0.15	-7.93e-05	0.0	2.84e-05
1691	307	-0.03	0.16	-0.13	-1.05e-04	0.0	1.90e-04
1691	310	-0.04	0.07	-0.14	-8.16e-05	0.0	2.68e-05
1692	44	-0.66	0.06	-0.27	-1.26e-04	0.0	6.69e-05
1692	68	-0.06	0.94	-0.14	-2.85e-04	0.0	1.56e-03
1692	116	-7.13	1.84	-0.52	-4.08e-04	0.0	-1.95e-04
1692	139	-0.75	6.70	0.26	-1.33e-03	0.0	4.92e-04
1692	144	-2.88	-5.76	-0.74	1.01e-03	0.0	-4.45e-04
1692	148	-8.01	2.04	-0.57	-4.44e-04	0.0	-2.25e-04
1692	171	-0.83	7.56	0.31	-1.49e-03	0.0	5.51e-04
1692	176	-3.24	-6.53	-0.81	1.16e-03	0.0	-5.07e-04
1692	180	-7.93	1.93	-0.58	-4.23e-04	0.0	-2.28e-04
1692	203	-0.78	7.69	0.32	-1.52e-03	0.0	5.62e-04
1692	208	-3.24	-6.68	-0.83	1.19e-03	0.0	-5.19e-04
1692	212	-9.28	2.18	-0.66	-4.68e-04	0.0	-2.79e-04
1692	235	-0.87	9.09	0.42	-1.78e-03	0.0	6.62e-04
1692	240	-3.79	-7.96	-0.95	1.43e-03	0.0	-6.24e-04
1692	264	-0.44	0.04	-0.19	-8.79e-05	0.0	4.62e-05
1692	276	-0.05	0.63	-0.10	-1.94e-04	0.0	1.04e-03
1692	305	-0.13	0.10	-0.16	-8.57e-05	0.0	3.56e-05
1692	307	-0.05	0.22	-0.14	-1.07e-04	0.0	2.35e-04
1692	310	-0.05	0.12	-0.15	-8.80e-05	0.0	3.39e-05
1693	44	-0.78	0.20	-0.15	-1.35e-04	0.0	6.70e-05
1693	68	-0.10	2.84	-0.12	7.70e-06	0.0	1.58e-03
1693	92	-0.14	-0.94	-0.18	-2.29e-04	0.0	-7.12e-04
1693	116	-8.26	2.04	0.14	-3.65e-04	0.0	-2.03e-04
1693	118	6.88	-4.97	-0.44	6.95e-04	0.0	1.49e-06
1693	139	-0.87	7.99	0.11	-1.27e-03	0.0	5.01e-04
1693	148	-9.28	2.25	0.17	-3.96e-04	0.0	-2.34e-04
1693	150	7.74	-5.62	-0.48	7.93e-04	0.0	-3.23e-06
1693	171	-0.96	9.00	0.14	-1.42e-03	0.0	5.62e-04
1693	180	-9.20	2.12	0.17	-3.76e-04	0.0	-2.38e-04

1693	182	7.62	-5.58	-0.47	7.88e-04	0.0	-6.72e-06
1693	203	-0.89	9.16	0.14	-1.45e-03	0.0	5.73e-04
1693	212	-10.76	2.37	0.22	-4.13e-04	0.0	-2.91e-04
1693	214	8.90	-6.58	-0.53	9.41e-04	0.0	-1.44e-05
1693	235	-1.00	10.82	0.19	-1.70e-03	0.0	6.75e-04
1693	264	-0.52	0.14	-0.11	-9.46e-05	0.0	4.62e-05
1693	276	-0.07	1.90	-0.09	0.0	0.0	1.06e-03
1693	288	-0.09	-0.61	-0.13	-1.57e-04	0.0	-4.73e-04
1693	298	-0.08	0.21	-0.12	-9.86e-05	0.0	3.54e-05
1693	305	-0.17	0.18	-0.11	-9.09e-05	0.0	3.50e-05
1693	307	-0.08	0.53	-0.11	-7.19e-05	0.0	2.37e-04
1693	310	-0.08	0.20	-0.12	-9.29e-05	0.0	3.31e-05
1694	44	-0.77	0.16	-0.21	-1.37e-04	0.0	6.82e-05
1694	68	-0.10	1.95	-0.13	-1.28e-04	0.0	1.56e-03
1694	76	-0.15	-0.15	-0.21	-1.86e-04	0.0	-3.86e-04
1694	116	-8.26	2.05	-0.24	-3.93e-04	0.0	-2.02e-04
1694	139	-0.87	7.69	0.11	-1.31e-03	0.0	5.01e-04
1694	144	-3.37	-6.53	-0.41	9.81e-04	0.0	-4.52e-04
1694	148	-9.28	2.26	-0.26	-4.27e-04	0.0	-2.32e-04
1694	171	-0.96	8.66	0.14	-1.47e-03	0.0	5.61e-04
1694	176	-3.79	-7.40	-0.45	1.12e-03	0.0	-5.16e-04
1694	180	-9.19	2.13	-0.26	-4.06e-04	0.0	-2.37e-04
1694	203	-0.89	8.81	0.15	-1.49e-03	0.0	5.73e-04
1694	208	-3.78	-7.58	-0.46	1.15e-03	0.0	-5.28e-04
1694	212	-10.76	2.40	-0.29	-4.48e-04	0.0	-2.90e-04
1694	235	-1.00	10.40	0.20	-1.75e-03	0.0	6.74e-04
1694	240	-4.43	-9.04	-0.52	1.38e-03	0.0	-6.35e-04
1694	264	-0.52	0.11	-0.15	-9.58e-05	0.0	4.71e-05
1694	276	-0.07	1.31	-0.10	-8.99e-05	0.0	1.04e-03
1694	280	-0.10	-0.10	-0.15	-1.28e-04	0.0	-2.56e-04
1694	305	-0.17	0.16	-0.13	-9.23e-05	0.0	3.58e-05
1694	307	-0.08	0.40	-0.12	-9.11e-05	0.0	2.34e-04
1694	310	-0.08	0.18	-0.13	-9.44e-05	0.0	3.39e-05
1695	44	-0.92	0.26	-0.17	-1.34e-04	0.0	6.08e-05
1695	68	-0.15	2.68	-0.13	4.62e-04	0.0	1.36e-03
1695	92	-0.19	-0.75	-0.20	-4.54e-04	0.0	-6.12e-04
1695	116	-9.54	2.21	0.10	-3.20e-04	0.0	-1.96e-04
1695	118	7.90	-5.29	-0.42	5.97e-04	0.0	2.80e-06
1695	139	-1.01	8.58	0.11	-1.12e-03	0.0	4.45e-04
1695	148	-10.71	2.43	0.13	-3.46e-04	0.0	-2.25e-04
1695	150	8.89	-5.98	-0.46	6.83e-04	0.0	0.0
1695	171	-1.10	9.66	0.14	-1.25e-03	0.0	4.99e-04
1695	180	-10.61	2.29	0.12	-3.28e-04	0.0	-2.32e-04
1695	182	8.74	-5.94	-0.46	6.79e-04	0.0	-1.88e-06
1695	203	-1.03	9.83	0.15	-1.27e-03	0.0	5.10e-04
1695	212	-12.41	2.56	0.16	-3.58e-04	0.0	-2.84e-04
1695	214	10.22	-7.01	-0.51	8.13e-04	0.0	-6.86e-06
1695	235	-1.14	11.60	0.19	-1.49e-03	0.0	6.00e-04
1695	264	-0.62	0.19	-0.12	-9.36e-05	0.0	4.19e-05
1695	276	-0.11	1.80	-0.10	3.03e-04	0.0	9.09e-04
1695	288	-0.13	-0.49	-0.14	-3.07e-04	0.0	-4.06e-04
1695	298	-0.12	0.26	-0.13	-9.76e-05	0.0	3.08e-05
1695	305	-0.21	0.23	-0.12	-9.00e-05	0.0	3.08e-05
1695	307	-0.11	0.55	-0.12	-1.06e-05	0.0	2.04e-04
1695	310	-0.11	0.24	-0.13	-9.20e-05	0.0	2.88e-05
1696	44	-0.90	0.23	-0.21	-1.42e-04	0.0	6.23e-05
1696	68	-0.14	1.93	-0.14	1.11e-04	0.0	1.28e-03
1696	76	-0.20	-0.03	-0.22	-2.66e-04	0.0	-3.12e-04
1696	116	-9.43	2.24	-0.25	-3.72e-04	0.0	-1.92e-04
1696	139	-0.99	8.31	0.12	-1.22e-03	0.0	4.36e-04
1696	144	-3.87	-6.99	-0.43	8.99e-04	0.0	-3.93e-04
1696	148	-10.59	2.47	-0.27	-4.04e-04	0.0	-2.21e-04
1696	171	-1.09	9.36	0.15	-1.37e-03	0.0	4.90e-04
1696	176	-4.34	-7.93	-0.47	1.03e-03	0.0	-4.48e-04
1696	180	-10.49	2.33	-0.27	-3.84e-04	0.0	-2.28e-04
1696	203	-1.01	9.52	0.16	-1.39e-03	0.0	5.00e-04
1696	208	-4.34	-8.12	-0.48	1.05e-03	0.0	-4.60e-04
1696	212	-12.27	2.61	-0.30	-4.22e-04	0.0	-2.80e-04
1696	235	-1.13	11.24	0.21	-1.63e-03	0.0	5.88e-04
1696	240	-5.08	-9.69	-0.54	1.27e-03	0.0	-5.53e-04
1696	264	-0.60	0.16	-0.15	-9.96e-05	0.0	4.29e-05
1696	276	-0.10	1.30	-0.10	6.96e-05	0.0	8.52e-04
1696	280	-0.14	-0.01	-0.16	-1.82e-04	0.0	-2.06e-04
1696	305	-0.20	0.21	-0.14	-9.56e-05	0.0	3.16e-05
1696	307	-0.10	0.44	-0.13	-6.18e-05	0.0	1.93e-04

1696	310	-0.11	0.23	-0.13	-9.77e-05	0.0	2.97e-05
1697	44	-0.77	0.12	-0.28	-1.38e-04	0.0	7.13e-05
1697	68	-0.10	1.07	-0.15	-2.55e-04	0.0	1.55e-03
1697	116	-8.26	2.05	-0.54	-4.17e-04	0.0	-1.99e-04
1697	139	-0.87	7.38	0.26	-1.34e-03	0.0	5.01e-04
1697	144	-3.37	-6.28	-0.76	1.00e-03	0.0	-4.49e-04
1697	148	-9.28	2.27	-0.59	-4.54e-04	0.0	-2.30e-04
1697	171	-0.96	8.32	0.32	-1.50e-03	0.0	5.62e-04
1697	176	-3.79	-7.12	-0.84	1.15e-03	0.0	-5.13e-04
1697	180	-9.19	2.15	-0.59	-4.33e-04	0.0	-2.34e-04
1697	203	-0.89	8.45	0.33	-1.52e-03	0.0	5.74e-04
1697	208	-3.78	-7.28	-0.85	1.17e-03	0.0	-5.25e-04
1697	212	-10.76	2.42	-0.68	-4.78e-04	0.0	-2.87e-04
1697	235	-1.00	9.99	0.43	-1.79e-03	0.0	6.75e-04
1697	240	-4.43	-8.68	-0.98	1.41e-03	0.0	-6.31e-04
1697	264	-0.52	0.09	-0.20	-9.66e-05	0.0	4.92e-05
1697	276	-0.07	0.72	-0.11	-1.74e-04	0.0	1.03e-03
1697	305	-0.17	0.14	-0.16	-9.35e-05	0.0	3.77e-05
1697	307	-0.08	0.27	-0.14	-1.09e-04	0.0	2.35e-04
1697	310	-0.08	0.16	-0.15	-9.57e-05	0.0	3.58e-05
1698	44	-0.89	0.19	-0.29	-1.51e-04	0.0	6.63e-05
1698	68	-0.14	1.22	-0.15	-2.28e-04	0.0	1.26e-03
1698	116	-9.39	2.27	-0.54	-4.23e-04	0.0	-1.87e-04
1698	139	-0.98	8.05	0.26	-1.32e-03	0.0	4.29e-04
1698	144	-3.85	-6.78	-0.77	9.74e-04	0.0	-3.80e-04
1698	148	-10.55	2.50	-0.59	-4.60e-04	0.0	-2.16e-04
1698	171	-1.08	9.07	0.32	-1.48e-03	0.0	4.81e-04
1698	176	-4.33	-7.69	-0.85	1.12e-03	0.0	-4.34e-04
1698	180	-10.45	2.37	-0.59	-4.39e-04	0.0	-2.23e-04
1698	203	-1.01	9.22	0.33	-1.51e-03	0.0	4.91e-04
1698	208	-4.33	-7.87	-0.86	1.14e-03	0.0	-4.46e-04
1698	212	-12.23	2.66	-0.68	-4.85e-04	0.0	-2.75e-04
1698	235	-1.12	10.89	0.43	-1.77e-03	0.0	5.78e-04
1698	240	-5.06	-9.39	-0.99	1.38e-03	0.0	-5.37e-04
1698	264	-0.60	0.14	-0.20	-1.06e-04	0.0	4.57e-05
1698	276	-0.10	0.82	-0.11	-1.57e-04	0.0	8.42e-04
1698	305	-0.20	0.19	-0.17	-1.02e-04	0.0	3.40e-05
1698	307	-0.10	0.33	-0.15	-1.12e-04	0.0	1.93e-04
1698	310	-0.11	0.21	-0.16	-1.04e-04	0.0	3.20e-05
1699	44	-0.97	0.33	-0.19	-1.33e-04	0.0	4.62e-05
1699	68	-0.16	2.19	-0.14	7.99e-04	0.0	7.34e-04
1699	76	-0.23	0.03	-0.21	-4.57e-04	0.0	-1.74e-04
1699	116	-10.04	2.34	0.05	-2.88e-04	0.0	-2.15e-04
1699	118	8.30	-5.54	-0.40	5.26e-04	0.0	5.29e-05
1699	139	-1.05	9.06	0.11	-1.01e-03	0.0	2.90e-04
1699	148	-11.27	2.58	0.08	-3.10e-04	0.0	-2.45e-04
1699	150	9.34	-6.27	-0.43	6.04e-04	0.0	5.69e-05
1699	171	-1.15	10.20	0.14	-1.13e-03	0.0	3.26e-04
1699	180	-11.17	2.43	0.07	-2.93e-04	0.0	-2.52e-04
1699	182	9.19	-6.22	-0.43	6.00e-04	0.0	5.61e-05
1699	203	-1.07	10.38	0.14	-1.15e-03	0.0	3.34e-04
1699	212	-13.07	2.71	0.10	-3.18e-04	0.0	-3.05e-04
1699	214	10.74	-7.35	-0.48	7.20e-04	0.0	6.30e-05
1699	235	-1.19	12.25	0.19	-1.35e-03	0.0	3.94e-04
1699	264	-0.65	0.23	-0.14	-9.27e-05	0.0	3.17e-05
1699	276	-0.11	1.47	-0.11	5.28e-04	0.0	4.90e-04
1699	280	-0.16	0.04	-0.15	-3.09e-04	0.0	-1.15e-04
1699	298	-0.13	0.31	-0.14	-9.68e-05	0.0	2.08e-05
1699	305	-0.22	0.27	-0.13	-8.92e-05	0.0	2.14e-05
1699	307	-0.12	0.52	-0.13	3.50e-05	0.0	1.13e-04
1699	310	-0.12	0.29	-0.13	-9.13e-05	0.0	1.94e-05
1700	44	-0.96	0.30	-0.22	-1.47e-04	0.0	4.74e-05
1700	68	-0.16	1.79	-0.15	2.88e-04	0.0	7.41e-04
1700	76	-0.22	0.13	-0.23	-3.25e-04	0.0	-1.74e-04
1700	116	-10.04	2.41	-0.27	-3.57e-04	0.0	-2.13e-04
1700	139	-1.05	8.89	0.12	-1.16e-03	0.0	2.90e-04
1700	144	-4.13	-7.40	-0.45	8.38e-04	0.0	-2.71e-04
1700	148	-11.28	2.66	-0.28	-3.87e-04	0.0	-2.44e-04
1700	171	-1.15	10.01	0.15	-1.30e-03	0.0	3.26e-04
1700	176	-4.64	-8.41	-0.49	9.61e-04	0.0	-3.09e-04
1700	180	-11.18	2.51	-0.28	-3.68e-04	0.0	-2.50e-04
1700	203	-1.07	10.18	0.16	-1.32e-03	0.0	3.34e-04
1700	208	-4.64	-8.61	-0.50	9.85e-04	0.0	-3.18e-04
1700	212	-13.07	2.81	-0.31	-4.03e-04	0.0	-3.03e-04
1700	235	-1.19	12.01	0.22	-1.55e-03	0.0	3.93e-04

1700	240	-5.43	-10.28	-0.56	1.19e-03	0.0	-3.83e-04
1700	264	-0.65	0.22	-0.16	-1.02e-04	0.0	3.25e-05
1700	276	-0.11	1.21	-0.11	1.87e-04	0.0	4.95e-04
1700	280	-0.15	0.10	-0.16	-2.21e-04	0.0	-1.15e-04
1700	305	-0.22	0.26	-0.14	-9.82e-05	0.0	2.21e-05
1700	307	-0.12	0.46	-0.13	-4.02e-05	0.0	1.15e-04
1700	310	-0.12	0.28	-0.14	-1.00e-04	0.0	2.00e-05
1701	44	-1.02	0.39	-0.20	-2.15e-04	0.0	2.40e-05
1701	68	-0.17	1.54	-0.15	-1.45e-03	0.0	7.44e-06
1701	76	-0.25	0.33	-0.22	1.16e-04	0.0	1.05e-05
1701	116	-10.53	2.47	0.02	-3.87e-04	0.0	-2.85e-04
1701	118	8.69	-5.76	-0.39	5.62e-04	0.0	1.32e-04
1701	139	-1.09	9.51	0.10	-1.20e-03	0.0	1.45e-04
1701	148	-11.82	2.71	0.04	-4.16e-04	0.0	-3.22e-04
1701	150	9.78	-6.52	-0.42	6.48e-04	0.0	1.47e-04
1701	171	-1.19	10.70	0.13	-1.34e-03	0.0	1.64e-04
1701	180	-11.72	2.56	0.04	-3.96e-04	0.0	-3.23e-04
1701	202	0.85	-10.22	-0.42	1.10e-03	0.0	-1.58e-04
1701	203	-1.11	10.89	0.14	-1.36e-03	0.0	1.69e-04
1701	212	-13.70	2.85	0.06	-4.32e-04	0.0	-3.85e-04
1701	234	0.97	-12.18	-0.47	1.32e-03	0.0	-1.90e-04
1701	235	-1.23	12.84	0.19	-1.59e-03	0.0	2.00e-04
1701	264	-0.68	0.28	-0.15	-1.51e-04	0.0	1.64e-05
1701	276	-0.12	1.04	-0.12	-9.73e-04	0.0	5.31e-06
1701	280	-0.17	0.24	-0.16	7.00e-05	0.0	7.36e-06
1701	298	-0.14	0.35	-0.14	-1.39e-04	0.0	5.55e-06
1701	305	-0.24	0.31	-0.14	-1.32e-04	0.0	7.30e-06
1701	307	-0.13	0.47	-0.14	-2.96e-04	0.0	5.08e-06
1701	310	-0.13	0.33	-0.14	-1.33e-04	0.0	5.27e-06
1702	44	-1.02	0.38	-0.24	-2.10e-04	0.0	2.40e-05
1702	68	-0.17	1.53	-0.16	-9.09e-04	0.0	1.72e-04
1702	76	-0.25	0.33	-0.25	-4.24e-05	0.0	-3.95e-05
1702	116	-10.53	2.59	-0.28	-4.19e-04	0.0	-2.77e-04
1702	139	-1.09	9.44	0.12	-1.06e-03	0.0	1.57e-04
1702	144	-4.35	-7.79	-0.47	6.54e-04	0.0	-1.82e-04
1702	148	-11.82	2.85	-0.30	-4.53e-04	0.0	-3.13e-04
1702	171	-1.19	10.62	0.15	-1.18e-03	0.0	1.77e-04
1702	176	-4.89	-8.85	-0.51	7.57e-04	0.0	-2.06e-04
1702	180	-11.72	2.69	-0.30	-4.36e-04	0.0	-3.15e-04
1702	203	-1.11	10.80	0.16	-1.20e-03	0.0	1.82e-04
1702	208	-4.89	-9.07	-0.52	7.78e-04	0.0	-2.12e-04
1702	212	-13.70	3.01	-0.33	-4.79e-04	0.0	-3.75e-04
1702	235	-1.23	12.74	0.22	-1.39e-03	0.0	2.16e-04
1702	240	-5.71	-10.83	-0.59	9.50e-04	0.0	-2.53e-04
1702	264	-0.68	0.27	-0.17	-1.47e-04	0.0	1.63e-05
1702	276	-0.12	1.04	-0.12	-6.13e-04	0.0	1.15e-04
1702	280	-0.17	0.23	-0.18	-3.50e-05	0.0	-2.60e-05
1702	305	-0.24	0.31	-0.15	-1.31e-04	0.0	7.00e-06
1702	307	-0.13	0.46	-0.14	-2.24e-04	0.0	2.67e-05
1702	310	-0.13	0.33	-0.15	-1.32e-04	0.0	4.92e-06
1703	44	-0.96	0.28	-0.30	-1.62e-04	0.0	4.90e-05
1703	68	-0.16	1.37	-0.17	-2.13e-04	0.0	7.48e-04
1703	116	-10.04	2.48	-0.54	-4.27e-04	0.0	-2.12e-04
1703	139	-1.04	8.72	0.25	-1.31e-03	0.0	2.91e-04
1703	144	-4.13	-7.25	-0.77	9.46e-04	0.0	-2.69e-04
1703	148	-11.28	2.74	-0.58	-4.64e-04	0.0	-2.42e-04
1703	171	-1.15	9.81	0.31	-1.46e-03	0.0	3.26e-04
1703	176	-4.64	-8.24	-0.85	1.08e-03	0.0	-3.07e-04
1703	180	-11.17	2.59	-0.59	-4.43e-04	0.0	-2.48e-04
1703	203	-1.07	9.98	0.33	-1.49e-03	0.0	3.34e-04
1703	208	-4.64	-8.43	-0.86	1.11e-03	0.0	-3.16e-04
1703	212	-13.07	2.91	-0.67	-4.88e-04	0.0	-3.01e-04
1703	235	-1.18	11.77	0.42	-1.74e-03	0.0	3.93e-04
1703	240	-5.43	-10.07	-0.99	1.34e-03	0.0	-3.81e-04
1703	264	-0.65	0.20	-0.21	-1.13e-04	0.0	3.36e-05
1703	276	-0.11	0.92	-0.12	-1.47e-04	0.0	5.00e-04
1703	305	-0.22	0.25	-0.18	-1.08e-04	0.0	2.29e-05
1703	307	-0.11	0.39	-0.16	-1.15e-04	0.0	1.16e-04
1703	310	-0.12	0.27	-0.17	-1.10e-04	0.0	2.08e-05
1704	44	-1.02	0.37	-0.32	-1.62e-04	-1.19e-04	2.61e-05
1704	68	-0.17	1.52	-0.19	-2.19e-04	-6.40e-05	1.78e-05
1704	116	-10.53	2.70	-0.54	5.34e-05	-7.95e-04	-2.54e-04
1704	139	-1.09	9.37	0.24	-3.54e-04	-8.86e-05	1.13e-04
1704	144	-4.35	-7.71	-0.77	2.07e-04	-3.69e-04	-1.26e-04
1704	148	-11.82	2.98	-0.58	7.49e-05	-8.88e-04	-2.87e-04

1704	171	-1.19	10.54	0.30	-3.86e-04	-9.28e-05	1.28e-04
1704	176	-4.89	-8.77	-0.85	2.48e-04	-4.10e-04	-1.43e-04
1704	180	-11.72	2.82	-0.59	7.87e-05	-8.80e-04	-2.87e-04
1704	203	-1.11	10.72	0.31	-3.94e-04	-8.48e-05	1.31e-04
1704	208	-4.89	-8.98	-0.87	2.56e-04	-4.11e-04	-1.46e-04
1704	212	-13.70	3.16	-0.67	1.16e-04	-1.02e-03	-3.41e-04
1704	235	-1.23	12.64	0.40	-4.47e-04	-8.75e-05	1.54e-04
1704	240	-5.72	-10.72	-0.99	3.25e-04	-4.76e-04	-1.74e-04
1704	264	-0.68	0.26	-0.22	-1.12e-04	-8.17e-05	1.76e-05
1704	276	-0.12	1.03	-0.14	-1.51e-04	-4.50e-05	1.20e-05
1704	305	-0.24	0.30	-0.19	-1.10e-04	-5.03e-05	7.10e-06
1704	307	-0.13	0.46	-0.17	-1.18e-04	-4.30e-05	5.99e-06
1704	310	-0.13	0.33	-0.18	-1.13e-04	-4.40e-05	4.62e-06
1705	28	-0.32	0.06	-0.20	-1.16e-04	0.0	-8.89e-06
1705	44	-0.51	0.02	-0.20	-9.52e-05	0.0	-1.49e-06
1705	68	-0.02	1.03	-0.15	-8.08e-04	0.0	-3.38e-04
1705	116	-5.93	0.86	-0.35	-2.92e-04	0.0	-1.90e-04
1705	139	-0.63	5.62	-0.03	-1.57e-03	0.0	-1.05e-04
1705	148	-6.66	0.95	-0.38	-3.17e-04	0.0	-2.12e-04
1705	171	-0.70	6.35	-0.01	-1.77e-03	0.0	-1.16e-04
1705	180	-6.60	0.86	-0.38	-2.94e-04	0.0	-2.08e-04
1705	203	-0.65	6.47	-7.52e-03	-1.80e-03	0.0	-1.08e-04
1705	212	-7.72	0.95	-0.42	-3.19e-04	0.0	-2.43e-04
1705	235	-0.74	7.67	0.02	-2.13e-03	0.0	-1.22e-04
1705	256	-0.22	0.04	-0.15	-8.06e-05	0.0	-6.23e-06
1705	264	-0.34	0.01	-0.14	-6.67e-05	0.0	-1.30e-06
1705	276	-0.02	0.69	-0.11	-5.42e-04	0.0	-2.26e-04
1705	305	-0.08	0.04	-0.12	-6.34e-05	0.0	-6.58e-06
1705	307	-0.02	0.17	-0.12	-1.59e-04	0.0	-5.14e-05
1705	310	-0.02	0.05	-0.12	-6.47e-05	0.0	-8.15e-06
1706	28	-0.36	0.12	-0.21	-1.22e-04	0.0	-2.51e-05
1706	44	-0.56	0.07	-0.20	-9.98e-05	0.0	-1.48e-05
1706	68	-0.03	1.45	-0.16	-7.55e-04	0.0	-6.31e-04
1706	116	-6.45	1.02	-0.35	-2.91e-04	0.0	-1.46e-04
1706	139	-0.68	6.45	-0.03	-1.56e-03	0.0	-1.85e-04
1706	148	-7.25	1.12	-0.38	-3.15e-04	0.0	-1.62e-04
1706	171	-0.76	7.28	-0.01	-1.76e-03	0.0	-2.06e-04
1706	180	-7.18	1.02	-0.38	-2.93e-04	0.0	-1.55e-04
1706	203	-0.71	7.43	-9.04e-03	-1.79e-03	0.0	-1.98e-04
1706	212	-8.41	1.12	-0.43	-3.17e-04	0.0	-1.77e-04
1706	235	-0.80	8.80	0.01	-2.11e-03	0.0	-2.28e-04
1706	256	-0.24	0.08	-0.15	-8.44e-05	0.0	-1.74e-05
1706	264	-0.38	0.05	-0.15	-6.99e-05	0.0	-1.05e-05
1706	276	-0.02	0.97	-0.12	-5.07e-04	0.0	-4.22e-04
1706	305	-0.10	0.07	-0.13	-6.63e-05	0.0	-1.52e-05
1706	307	-0.03	0.26	-0.12	-1.54e-04	0.0	-9.74e-05
1706	310	-0.03	0.08	-0.12	-6.76e-05	0.0	-1.69e-05
1707	28	-0.39	0.19	-0.21	-1.24e-04	0.0	-3.16e-05
1707	44	-0.60	0.12	-0.21	-1.02e-04	0.0	-2.00e-05
1707	68	-0.04	1.83	-0.16	-7.50e-04	0.0	-8.78e-04
1707	116	-6.92	1.17	-0.35	-2.90e-04	0.0	-1.84e-04
1707	139	-0.73	7.29	-0.03	-1.56e-03	0.0	-2.56e-04
1707	148	-7.77	1.29	-0.37	-3.15e-04	0.0	-2.03e-04
1707	171	-0.81	8.22	-0.02	-1.75e-03	0.0	-2.85e-04
1707	180	-7.70	1.18	-0.37	-2.92e-04	0.0	-1.96e-04
1707	203	-0.76	8.39	-0.01	-1.79e-03	0.0	-2.78e-04
1707	212	-9.01	1.29	-0.42	-3.16e-04	0.0	-2.24e-04
1707	235	-0.85	9.93	0.01	-2.11e-03	0.0	-3.21e-04
1707	256	-0.26	0.13	-0.15	-8.58e-05	0.0	-2.19e-05
1707	264	-0.40	0.09	-0.15	-7.10e-05	0.0	-1.42e-05
1707	276	-0.03	1.23	-0.12	-5.04e-04	0.0	-5.86e-04
1707	305	-0.11	0.11	-0.13	-6.74e-05	0.0	-1.87e-05
1707	307	-0.03	0.34	-0.12	-1.54e-04	0.0	-1.33e-04
1707	310	-0.04	0.12	-0.13	-6.87e-05	0.0	-2.05e-05
1708	28	-0.33	0.06	-0.18	-1.31e-04	0.0	-7.55e-06
1708	44	-0.51	0.02	-0.18	-1.08e-04	0.0	0.0
1708	68	-0.02	1.18	-0.15	-1.07e-03	0.0	-3.34e-04
1708	116	-5.93	0.92	-0.24	-3.30e-04	0.0	-1.90e-04
1708	139	-0.63	5.64	-0.03	-1.65e-03	0.0	-1.05e-04
1708	144	-2.36	-5.02	-0.26	1.36e-03	0.0	6.45e-05
1708	148	-6.66	1.02	-0.25	-3.58e-04	0.0	-2.12e-04
1708	171	-0.70	6.37	-0.02	-1.86e-03	0.0	-1.16e-04
1708	176	-2.66	-5.69	-0.28	1.54e-03	0.0	7.28e-05
1708	180	-6.60	0.93	-0.25	-3.34e-04	0.0	-2.08e-04
1708	203	-0.65	6.50	-0.01	-1.89e-03	0.0	-1.08e-04

1708	208	-2.65	-5.83	-0.28	1.58e-03	0.0	6.53e-05
1708	212	-7.73	1.03	-0.28	-3.64e-04	0.0	-2.43e-04
1708	235	-0.74	7.70	8.28e-03	-2.23e-03	0.0	-1.22e-04
1708	240	-3.11	-6.94	-0.31	1.90e-03	0.0	7.52e-05
1708	256	-0.22	0.04	-0.13	-9.12e-05	0.0	-5.31e-06
1708	264	-0.34	0.01	-0.13	-7.54e-05	0.0	0.0
1708	276	-0.02	0.79	-0.11	-7.15e-04	0.0	-2.23e-04
1708	298	-0.02	0.05	-0.12	-7.73e-05	0.0	-7.99e-06
1708	305	-0.08	0.04	-0.12	-7.15e-05	0.0	-5.88e-06
1708	307	-0.02	0.20	-0.11	-1.99e-04	0.0	-5.03e-05
1708	310	-0.02	0.05	-0.12	-7.29e-05	0.0	-7.44e-06
1709	28	-0.36	0.13	-0.19	-1.33e-04	0.0	-2.38e-05
1709	44	-0.56	0.08	-0.18	-1.09e-04	0.0	-1.37e-05
1709	68	-0.03	1.73	-0.15	-9.96e-04	0.0	-6.00e-04
1709	116	-6.46	1.10	-0.24	-3.27e-04	0.0	-1.43e-04
1709	139	-0.68	6.52	-0.03	-1.64e-03	0.0	-1.78e-04
1709	144	-2.58	-5.74	-0.26	1.34e-03	0.0	1.11e-04
1709	148	-7.25	1.21	-0.25	-3.54e-04	0.0	-1.58e-04
1709	171	-0.76	7.36	-0.02	-1.84e-03	0.0	-1.98e-04
1709	176	-2.91	-6.50	-0.28	1.52e-03	0.0	1.26e-04
1709	180	-7.19	1.11	-0.25	-3.30e-04	0.0	-1.52e-04
1709	203	-0.71	7.50	-0.01	-1.88e-03	0.0	-1.90e-04
1709	208	-2.90	-6.66	-0.28	1.56e-03	0.0	1.20e-04
1709	212	-8.41	1.22	-0.28	-3.60e-04	0.0	-1.73e-04
1709	235	-0.80	8.88	7.42e-03	-2.21e-03	0.0	-2.18e-04
1709	240	-3.40	-7.94	-0.31	1.87e-03	0.0	1.42e-04
1709	256	-0.24	0.09	-0.13	-9.25e-05	0.0	-1.65e-05
1709	264	-0.38	0.05	-0.13	-7.65e-05	0.0	-9.79e-06
1709	276	-0.02	1.16	-0.11	-6.67e-04	0.0	-4.00e-04
1709	298	-0.03	0.10	-0.12	-7.83e-05	0.0	-1.74e-05
1709	305	-0.10	0.08	-0.12	-7.25e-05	0.0	-1.45e-05
1709	307	-0.03	0.30	-0.11	-1.91e-04	0.0	-9.27e-05
1709	310	-0.03	0.09	-0.12	-7.39e-05	0.0	-1.62e-05
1710	28	-0.39	0.20	-0.19	-1.34e-04	0.0	-3.40e-05
1710	44	-0.59	0.14	-0.18	-1.10e-04	0.0	-2.20e-05
1710	68	-0.04	2.25	-0.15	-9.91e-04	0.0	-7.66e-04
1710	116	-6.88	1.27	-0.24	-3.25e-04	0.0	-1.72e-04
1710	139	-0.73	7.39	-0.03	-1.63e-03	0.0	-2.27e-04
1710	144	-2.76	-6.45	-0.26	1.33e-03	0.0	1.42e-04
1710	148	-7.73	1.40	-0.25	-3.53e-04	0.0	-1.90e-04
1710	171	-0.81	8.33	-0.02	-1.83e-03	0.0	-2.52e-04
1710	176	-3.10	-7.31	-0.28	1.52e-03	0.0	1.62e-04
1710	180	-7.65	1.29	-0.25	-3.29e-04	0.0	-1.83e-04
1710	203	-0.75	8.50	-0.01	-1.87e-03	0.0	-2.44e-04
1710	208	-3.10	-7.49	-0.28	1.56e-03	0.0	1.56e-04
1710	212	-8.96	1.42	-0.28	-3.58e-04	0.0	-2.08e-04
1710	235	-0.85	10.06	7.93e-03	-2.20e-03	0.0	-2.81e-04
1710	240	-3.63	-8.93	-0.31	1.87e-03	0.0	1.85e-04
1710	256	-0.26	0.14	-0.14	-9.29e-05	0.0	-2.36e-05
1710	264	-0.40	0.10	-0.13	-7.68e-05	0.0	-1.56e-05
1710	276	-0.03	1.50	-0.11	-6.64e-04	0.0	-5.11e-04
1710	298	-0.04	0.14	-0.12	-7.87e-05	0.0	-2.33e-05
1710	305	-0.11	0.12	-0.12	-7.28e-05	0.0	-2.00e-05
1710	307	-0.03	0.40	-0.11	-1.90e-04	0.0	-1.19e-04
1710	310	-0.03	0.13	-0.12	-7.42e-05	0.0	-2.18e-05
1711	44	-0.51	0.02	-0.16	-1.20e-04	0.0	0.0
1711	68	-0.02	1.33	-0.13	-1.30e-03	0.0	-3.35e-04
1711	76	-0.04	-0.27	-0.16	1.98e-04	0.0	8.36e-05
1711	116	-5.93	0.99	-0.10	-3.67e-04	0.0	-1.90e-04
1711	138	0.59	-5.56	-0.20	1.57e-03	0.0	9.17e-05
1711	139	-0.63	5.67	-0.02	-1.73e-03	0.0	-1.06e-04
1711	148	-6.67	1.09	-0.10	-3.98e-04	0.0	-2.13e-04
1711	170	0.66	-6.30	-0.21	1.78e-03	0.0	1.03e-04
1711	171	-0.70	6.40	-6.97e-03	-1.94e-03	0.0	-1.17e-04
1711	180	-6.60	1.00	-0.10	-3.72e-04	0.0	-2.08e-04
1711	202	0.61	-6.42	-0.21	1.82e-03	0.0	9.47e-05
1711	203	-0.65	6.53	-4.82e-03	-1.98e-03	0.0	-1.09e-04
1711	212	-7.73	1.11	-0.10	-4.07e-04	0.0	-2.43e-04
1711	234	0.70	-7.63	-0.23	2.17e-03	0.0	1.09e-04
1711	235	-0.74	7.73	0.01	-2.33e-03	0.0	-1.23e-04
1711	264	-0.34	0.01	-0.12	-8.39e-05	0.0	0.0
1711	276	-0.02	0.89	-0.10	-8.72e-04	0.0	-2.24e-04
1711	280	-0.03	-0.18	-0.12	1.28e-04	0.0	5.55e-05
1711	298	-0.02	0.06	-0.11	-8.59e-05	0.0	-7.45e-06
1711	305	-0.08	0.04	-0.11	-7.95e-05	0.0	-5.38e-06

1711	307	-0.02	0.22	-0.11	-2.37e-04	0.0	-5.01e-05
1711	310	-0.02	0.05	-0.11	-8.10e-05	0.0	-6.94e-06
1712	44	-0.56	0.08	-0.16	-1.20e-04	0.0	-1.31e-05
1712	68	-0.03	1.98	-0.14	-1.16e-03	0.0	-5.78e-04
1712	76	-0.05	-0.36	-0.17	1.56e-04	0.0	1.35e-04
1712	116	-6.45	1.18	-0.10	-3.56e-04	0.0	-2.39e-04
1712	138	0.62	-6.38	-0.20	1.52e-03	0.0	1.42e-04
1712	139	-0.68	6.58	-0.02	-1.68e-03	0.0	-1.74e-04
1712	148	-7.25	1.30	-0.10	-3.87e-04	0.0	-2.66e-04
1712	170	0.70	-7.23	-0.21	1.73e-03	0.0	1.61e-04
1712	171	-0.76	7.42	-8.17e-03	-1.89e-03	0.0	-1.93e-04
1712	180	-7.18	1.20	-0.10	-3.62e-04	0.0	-2.59e-04
1712	202	0.65	-7.37	-0.21	1.77e-03	0.0	1.53e-04
1712	203	-0.71	7.57	-5.98e-03	-1.93e-03	0.0	-1.85e-04
1712	212	-8.41	1.33	-0.10	-3.95e-04	0.0	-3.00e-04
1712	234	0.74	-8.76	-0.23	2.11e-03	0.0	1.80e-04
1712	235	-0.80	8.96	0.01	-2.27e-03	0.0	-2.12e-04
1712	264	-0.38	0.06	-0.12	-8.41e-05	0.0	-9.39e-06
1712	276	-0.02	1.33	-0.10	-7.80e-04	0.0	-3.86e-04
1712	280	-0.04	-0.24	-0.12	1.00e-04	0.0	8.93e-05
1712	298	-0.03	0.10	-0.11	-8.61e-05	0.0	-1.70e-05
1712	305	-0.10	0.09	-0.11	-7.97e-05	0.0	-1.42e-05
1712	307	-0.03	0.34	-0.11	-2.19e-04	0.0	-8.95e-05
1712	310	-0.03	0.10	-0.11	-8.12e-05	0.0	-1.59e-05
1713	44	-0.60	0.15	-0.16	-1.20e-04	0.0	-2.34e-05
1713	68	-0.04	2.57	-0.14	-1.13e-03	0.0	-6.40e-04
1713	76	-0.07	-0.44	-0.17	1.46e-04	0.0	1.37e-04
1713	116	-6.87	1.37	-0.15	-3.52e-04	0.0	-2.66e-04
1713	139	-0.73	7.47	-0.03	-1.67e-03	0.0	-1.94e-04
1713	140	-3.05	-5.64	-0.20	1.17e-03	0.0	3.44e-05
1713	148	-7.72	1.50	-0.15	-3.82e-04	0.0	-2.95e-04
1713	171	-0.80	8.42	-0.02	-1.87e-03	0.0	-2.14e-04
1713	172	-3.44	-6.41	-0.21	1.34e-03	0.0	4.13e-05
1713	180	-7.64	1.39	-0.15	-3.57e-04	0.0	-2.88e-04
1713	203	-0.75	8.58	-0.02	-1.91e-03	0.0	-2.05e-04
1713	204	-3.43	-6.61	-0.21	1.38e-03	0.0	3.68e-05
1713	212	-8.94	1.53	-0.16	-3.90e-04	0.0	-3.33e-04
1713	235	-0.84	10.16	-4.87e-03	-2.25e-03	0.0	-2.35e-04
1713	236	-4.02	-7.91	-0.23	1.66e-03	0.0	4.60e-05
1713	264	-0.40	0.10	-0.12	-8.42e-05	0.0	-1.65e-05
1713	276	-0.03	1.72	-0.10	-7.56e-04	0.0	-4.28e-04
1713	280	-0.05	-0.28	-0.12	9.32e-05	0.0	9.06e-05
1713	298	-0.04	0.15	-0.11	-8.62e-05	0.0	-2.42e-05
1713	305	-0.11	0.13	-0.11	-7.98e-05	0.0	-2.09e-05
1713	307	-0.03	0.45	-0.11	-2.14e-04	0.0	-1.03e-04
1713	310	-0.04	0.14	-0.11	-8.13e-05	0.0	-2.26e-05
1714	44	-0.97	0.36	-0.23	-1.36e-04	0.0	2.18e-05
1714	68	-0.16	2.25	-0.19	1.33e-03	0.0	2.77e-05
1714	76	-0.23	0.03	-0.24	-6.19e-04	0.0	2.53e-06
1714	116	-10.03	2.08	-0.24	-2.20e-04	0.0	-2.71e-04
1714	139	-1.05	9.24	-0.03	-9.12e-04	0.0	1.24e-04
1714	144	-4.13	-7.75	-0.32	6.47e-04	0.0	-1.51e-04
1714	148	-11.26	2.28	-0.26	-2.33e-04	0.0	-3.06e-04
1714	171	-1.15	10.40	-0.01	-1.02e-03	0.0	1.39e-04
1714	176	-4.64	-8.80	-0.35	7.43e-04	0.0	-1.71e-04
1714	180	-11.16	2.13	-0.26	-2.19e-04	0.0	-3.06e-04
1714	203	-1.07	10.59	-6.25e-03	-1.03e-03	0.0	1.43e-04
1714	208	-4.64	-9.02	-0.35	7.58e-04	0.0	-1.75e-04
1714	212	-13.05	2.36	-0.28	-2.31e-04	0.0	-3.64e-04
1714	235	-1.19	12.51	0.02	-1.21e-03	0.0	1.70e-04
1714	240	-5.42	-10.78	-0.39	9.18e-04	0.0	-2.09e-04
1714	264	-0.65	0.25	-0.17	-9.53e-05	0.0	1.48e-05
1714	276	-0.11	1.51	-0.14	8.82e-04	0.0	1.87e-05
1714	280	-0.16	0.03	-0.17	-4.17e-04	0.0	1.95e-06
1714	298	-0.13	0.31	-0.16	-9.82e-05	0.0	4.91e-06
1714	305	-0.23	0.28	-0.16	-9.08e-05	0.0	6.53e-06
1714	307	-0.12	0.53	-0.15	1.05e-04	0.0	7.32e-06
1714	310	-0.12	0.30	-0.16	-9.26e-05	0.0	4.59e-06
1715	28	-0.65	0.38	-0.31	-2.44e-04	0.0	-1.78e-05
1715	44	-0.92	0.28	-0.30	-2.02e-04	0.0	-7.79e-06
1715	68	-0.15	1.95	-0.24	3.45e-04	0.0	-6.24e-04
1715	116	-9.55	1.44	-0.45	-2.53e-04	0.0	-3.10e-04
1715	139	-1.00	8.71	-0.02	-1.28e-03	0.0	-1.85e-04
1715	144	-3.92	-7.47	-0.47	9.18e-04	0.0	1.10e-04
1715	148	-10.72	1.58	-0.48	-2.65e-04	0.0	-3.46e-04

1715	171	-1.10	9.81	3.61e-04	-1.43e-03	0.0	-2.06e-04
1715	176	-4.40	-8.49	-0.51	1.06e-03	0.0	1.24e-04
1715	180	-10.62	1.45	-0.48	-2.49e-04	0.0	-3.39e-04
1715	203	-1.02	10.01	8.08e-03	-1.46e-03	0.0	-1.93e-04
1715	208	-4.40	-8.70	-0.52	1.08e-03	0.0	1.13e-04
1715	212	-12.43	1.58	-0.54	-2.58e-04	0.0	-3.95e-04
1715	235	-1.13	11.84	0.05	-1.71e-03	0.0	-2.20e-04
1715	240	-5.15	-10.39	-0.58	1.31e-03	0.0	1.32e-04
1715	256	-0.44	0.26	-0.23	-1.69e-04	0.0	-1.24e-05
1715	264	-0.62	0.20	-0.22	-1.40e-04	0.0	-5.74e-06
1715	276	-0.10	1.31	-0.18	2.24e-04	0.0	-4.16e-04
1715	298	-0.12	0.24	-0.19	-1.40e-04	0.0	-1.47e-05
1715	305	-0.21	0.21	-0.19	-1.30e-04	0.0	-1.19e-05
1715	307	-0.11	0.44	-0.18	-5.74e-05	0.0	-9.40e-05
1715	310	-0.11	0.22	-0.19	-1.32e-04	0.0	-1.38e-05
1716	44	-1.02	0.43	-0.23	-2.24e-04	0.0	2.53e-05
1716	68	-0.17	1.57	-0.19	-1.74e-03	0.0	1.91e-05
1716	76	-0.24	0.35	-0.24	1.91e-04	0.0	9.43e-06
1716	116	-10.53	2.18	-0.24	-4.19e-04	0.0	-2.89e-04
1716	139	-1.09	9.67	-0.03	-1.37e-03	0.0	1.26e-04
1716	144	-4.35	-8.05	-0.33	9.80e-04	0.0	-1.54e-04
1716	148	-11.83	2.39	-0.25	-4.50e-04	0.0	-3.27e-04
1716	171	-1.20	10.89	-0.01	-1.53e-03	0.0	1.42e-04
1716	176	-4.88	-9.15	-0.35	1.13e-03	0.0	-1.75e-04
1716	180	-11.72	2.24	-0.26	-4.28e-04	0.0	-3.28e-04
1716	203	-1.11	11.09	-6.30e-03	-1.55e-03	0.0	1.46e-04
1716	208	-4.88	-9.38	-0.35	1.15e-03	0.0	-1.78e-04
1716	212	-13.71	2.47	-0.28	-4.67e-04	0.0	-3.89e-04
1716	235	-1.23	13.09	0.02	-1.81e-03	0.0	1.72e-04
1716	240	-5.71	-11.21	-0.39	1.39e-03	0.0	-2.13e-04
1716	264	-0.68	0.30	-0.17	-1.57e-04	0.0	1.72e-05
1716	276	-0.12	1.06	-0.14	-1.17e-03	0.0	1.31e-05
1716	280	-0.17	0.25	-0.18	1.20e-04	0.0	6.63e-06
1716	298	-0.14	0.36	-0.16	-1.45e-04	0.0	6.84e-06
1716	305	-0.24	0.33	-0.16	-1.37e-04	0.0	8.40e-06
1716	307	-0.13	0.48	-0.15	-3.39e-04	0.0	7.59e-06
1716	310	-0.13	0.34	-0.16	-1.37e-04	0.0	6.38e-06
1717	28	-0.66	0.39	-0.29	-2.25e-04	0.0	-1.86e-05
1717	44	-0.93	0.29	-0.28	-1.86e-04	0.0	-8.47e-06
1717	68	-0.15	2.25	-0.23	6.53e-04	0.0	-5.42e-04
1717	116	-9.60	1.55	-0.35	-2.36e-04	0.0	-3.03e-04
1717	139	-1.01	8.76	-0.04	-1.16e-03	0.0	-1.70e-04
1717	144	-3.95	-7.50	-0.40	8.28e-04	0.0	9.57e-05
1717	148	-10.78	1.69	-0.37	-2.48e-04	0.0	-3.38e-04
1717	171	-1.10	9.88	-0.02	-1.30e-03	0.0	-1.88e-04
1717	176	-4.43	-8.52	-0.43	9.53e-04	0.0	1.08e-04
1717	180	-10.68	1.56	-0.37	-2.33e-04	0.0	-3.32e-04
1717	203	-1.03	10.07	-0.01	-1.32e-03	0.0	-1.74e-04
1717	208	-4.43	-8.73	-0.44	9.79e-04	0.0	9.67e-05
1717	212	-12.49	1.71	-0.41	-2.41e-04	0.0	-3.88e-04
1717	235	-1.14	11.91	0.02	-1.55e-03	0.0	-1.98e-04
1717	240	-5.18	-10.42	-0.48	1.19e-03	0.0	1.12e-04
1717	256	-0.45	0.27	-0.21	-1.56e-04	0.0	-1.30e-05
1717	264	-0.63	0.20	-0.21	-1.30e-04	0.0	-6.21e-06
1717	276	-0.11	1.51	-0.17	4.29e-04	0.0	-3.62e-04
1717	298	-0.12	0.25	-0.19	-1.30e-04	0.0	-1.52e-05
1717	305	-0.21	0.22	-0.19	-1.21e-04	0.0	-1.23e-05
1717	307	-0.11	0.48	-0.18	-8.94e-06	0.0	-8.34e-05
1717	310	-0.11	0.23	-0.18	-1.22e-04	0.0	-1.42e-05
1718	44	-0.97	0.35	-0.23	-1.34e-04	0.0	2.17e-05
1718	68	-0.16	2.24	-0.19	1.34e-03	0.0	3.80e-05
1718	76	-0.23	0.03	-0.24	-6.19e-04	0.0	0.0
1718	116	-10.03	2.17	-0.13	-2.29e-04	0.0	-2.70e-04
1718	138	0.80	-8.60	-0.33	7.17e-04	0.0	-1.19e-04
1718	139	-1.05	9.18	0.02	-8.99e-04	0.0	1.28e-04
1718	148	-11.26	2.38	-0.13	-2.44e-04	0.0	-3.04e-04
1718	170	0.91	-9.75	-0.36	8.21e-04	0.0	-1.35e-04
1718	171	-1.15	10.34	0.04	-1.00e-03	0.0	1.44e-04
1718	180	-11.16	2.23	-0.13	-2.29e-04	0.0	-3.05e-04
1718	202	0.83	-9.94	-0.36	8.35e-04	0.0	-1.39e-04
1718	203	-1.07	10.52	0.04	-1.02e-03	0.0	1.48e-04
1718	212	-13.05	2.48	-0.13	-2.44e-04	0.0	-3.63e-04
1718	234	0.94	-11.84	-0.40	1.01e-03	0.0	-1.67e-04
1718	235	-1.19	12.43	0.08	-1.19e-03	0.0	1.76e-04
1718	264	-0.65	0.25	-0.17	-9.36e-05	0.0	1.48e-05

1718	276	-0.11	1.51	-0.14	8.90e-04	0.0	2.56e-05
1718	280	-0.16	0.03	-0.18	-4.17e-04	0.0	0.0
1718	298	-0.13	0.31	-0.16	-9.69e-05	0.0	4.89e-06
1718	305	-0.23	0.28	-0.16	-8.95e-05	0.0	6.51e-06
1718	307	-0.12	0.53	-0.15	1.07e-04	0.0	8.67e-06
1718	310	-0.12	0.29	-0.16	-9.14e-05	0.0	4.57e-06
1719	44	-0.94	0.30	-0.24	-1.69e-04	0.0	-8.99e-06
1719	68	-0.16	2.49	-0.21	8.84e-04	0.0	-4.59e-04
1719	76	-0.22	-0.18	-0.26	-5.32e-04	0.0	1.03e-04
1719	116	-9.62	1.65	-0.24	-2.27e-04	0.0	-2.96e-04
1719	139	-1.01	8.80	-0.04	-1.08e-03	0.0	-1.60e-04
1719	144	-3.96	-7.51	-0.32	7.69e-04	0.0	8.81e-05
1719	148	-10.80	1.81	-0.25	-2.39e-04	0.0	-3.30e-04
1719	171	-1.11	9.92	-0.02	-1.21e-03	0.0	-1.77e-04
1719	176	-4.44	-8.52	-0.34	8.84e-04	0.0	9.99e-05
1719	180	-10.71	1.68	-0.25	-2.24e-04	0.0	-3.25e-04
1719	203	-1.03	10.11	-0.02	-1.23e-03	0.0	-1.64e-04
1719	208	-4.44	-8.74	-0.34	9.07e-04	0.0	8.88e-05
1719	212	-12.52	1.84	-0.27	-2.33e-04	0.0	-3.80e-04
1719	235	-1.15	11.95	0.01	-1.44e-03	0.0	-1.86e-04
1719	240	-5.19	-10.43	-0.38	1.10e-03	0.0	1.03e-04
1719	264	-0.63	0.21	-0.18	-1.18e-04	0.0	-6.57e-06
1719	276	-0.11	1.67	-0.15	5.84e-04	0.0	-3.07e-04
1719	280	-0.15	-0.11	-0.19	-3.60e-04	0.0	6.78e-05
1719	298	-0.12	0.25	-0.17	-1.19e-04	0.0	-1.55e-05
1719	305	-0.22	0.23	-0.17	-1.11e-04	0.0	-1.26e-05
1719	307	-0.11	0.52	-0.16	2.99e-05	0.0	-7.26e-05
1719	310	-0.12	0.24	-0.17	-1.12e-04	0.0	-1.46e-05
1720	28	-0.68	0.50	-0.32	-2.44e-04	0.0	-3.46e-06
1720	44	-0.96	0.38	-0.31	-2.02e-04	0.0	4.36e-06
1720	68	-0.16	1.78	-0.24	3.44e-04	0.0	-3.34e-04
1720	116	-10.01	1.57	-0.45	-2.52e-04	0.0	-2.98e-04
1720	139	-1.05	9.34	-0.03	-1.28e-03	0.0	-1.62e-04
1720	144	-4.11	-7.93	-0.48	9.13e-04	0.0	1.05e-04
1720	148	-11.23	1.71	-0.49	-2.64e-04	0.0	-3.35e-04
1720	171	-1.15	10.52	-3.03e-03	-1.43e-03	0.0	-1.80e-04
1720	176	-4.62	-9.01	-0.51	1.05e-03	0.0	1.18e-04
1720	180	-11.13	1.57	-0.49	-2.48e-04	0.0	-3.31e-04
1720	203	-1.07	10.73	4.72e-03	-1.45e-03	0.0	-1.72e-04
1720	208	-4.62	-9.24	-0.52	1.08e-03	0.0	1.11e-04
1720	212	-13.02	1.71	-0.54	-2.57e-04	0.0	-3.89e-04
1720	228	-8.10	-6.77	-0.58	8.73e-04	0.0	-4.77e-04
1720	235	-1.19	12.68	0.04	-1.70e-03	0.0	-1.99e-04
1720	256	-0.46	0.35	-0.23	-1.69e-04	0.0	-2.53e-06
1720	264	-0.65	0.27	-0.22	-1.41e-04	0.0	2.69e-06
1720	276	-0.11	1.20	-0.18	2.23e-04	0.0	-2.23e-04
1720	298	-0.13	0.31	-0.20	-1.41e-04	0.0	-6.84e-06
1720	305	-0.22	0.28	-0.19	-1.31e-04	0.0	-4.44e-06
1720	307	-0.12	0.47	-0.19	-5.78e-05	0.0	-4.95e-05
1720	310	-0.12	0.29	-0.19	-1.32e-04	0.0	-6.43e-06
1721	28	-0.72	0.62	-0.32	-3.09e-04	0.0	2.43e-05
1721	44	-1.02	0.49	-0.31	-2.62e-04	0.0	2.74e-05
1721	68	-0.17	1.60	-0.25	-9.39e-04	0.0	-4.83e-05
1721	116	-10.54	1.69	-0.45	-2.90e-04	0.0	-2.91e-04
1721	139	-1.10	9.97	-0.03	-1.02e-03	0.0	1.10e-04
1721	144	-4.35	-8.38	-0.48	6.14e-04	0.0	-1.37e-04
1721	148	-11.83	1.84	-0.48	-3.04e-04	0.0	-3.29e-04
1721	171	-1.20	11.23	-2.61e-03	-1.13e-03	0.0	1.24e-04
1721	176	-4.88	-9.53	-0.51	7.16e-04	0.0	-1.56e-04
1721	180	-11.73	1.69	-0.49	-2.91e-04	0.0	-3.29e-04
1721	203	-1.12	11.45	5.11e-03	-1.15e-03	0.0	1.27e-04
1721	208	-4.88	-9.77	-0.52	7.36e-04	0.0	-1.58e-04
1721	212	-13.72	1.83	-0.54	-3.06e-04	0.0	-3.91e-04
1721	235	-1.24	13.53	0.04	-1.33e-03	0.0	1.50e-04
1721	240	-5.71	-11.69	-0.58	9.05e-04	0.0	-1.89e-04
1721	256	-0.49	0.43	-0.23	-2.14e-04	0.0	1.66e-05
1721	264	-0.68	0.34	-0.22	-1.83e-04	0.0	1.87e-05
1721	276	-0.12	1.08	-0.18	-6.34e-04	0.0	-3.18e-05
1721	298	-0.14	0.38	-0.20	-1.74e-04	0.0	8.66e-06
1721	305	-0.24	0.34	-0.20	-1.63e-04	0.0	1.00e-05
1721	307	-0.13	0.49	-0.19	-2.54e-04	0.0	0.0
1721	310	-0.13	0.36	-0.19	-1.64e-04	0.0	8.01e-06
1722	28	-0.68	0.50	-0.29	-2.25e-04	0.0	-2.40e-06
1722	44	-0.97	0.38	-0.28	-1.86e-04	0.0	5.25e-06
1722	68	-0.16	1.93	-0.23	6.46e-04	0.0	-3.10e-04

1722	116	-10.01	1.67	-0.35	-2.36e-04	0.0	-2.97e-04
1722	139	-1.05	9.34	-0.04	-1.16e-03	0.0	-1.64e-04
1722	144	-4.12	-7.91	-0.40	8.25e-04	0.0	1.09e-04
1722	148	-11.24	1.82	-0.37	-2.47e-04	0.0	-3.33e-04
1722	171	-1.15	10.52	-0.02	-1.30e-03	0.0	-1.84e-04
1722	176	-4.62	-8.99	-0.43	9.50e-04	0.0	1.23e-04
1722	180	-11.14	1.68	-0.37	-2.32e-04	0.0	-3.30e-04
1722	203	-1.07	10.73	-9.85e-03	-1.32e-03	0.0	-1.76e-04
1722	208	-4.62	-9.22	-0.44	9.75e-04	0.0	1.17e-04
1722	212	-13.02	1.83	-0.41	-2.40e-04	0.0	-3.88e-04
1722	235	-1.19	12.68	0.02	-1.55e-03	0.0	-2.04e-04
1722	240	-5.40	-11.01	-0.49	1.18e-03	0.0	1.37e-04
1722	256	-0.46	0.35	-0.21	-1.56e-04	0.0	-1.79e-06
1722	264	-0.65	0.27	-0.21	-1.30e-04	0.0	3.31e-06
1722	276	-0.11	1.30	-0.17	4.25e-04	0.0	-2.07e-04
1722	298	-0.13	0.31	-0.19	-1.30e-04	0.0	-6.24e-06
1722	305	-0.22	0.28	-0.19	-1.21e-04	0.0	-3.88e-06
1722	307	-0.12	0.49	-0.18	-9.90e-06	0.0	-4.59e-05
1722	310	-0.12	0.29	-0.18	-1.22e-04	0.0	-5.87e-06
1723	28	-0.72	0.61	-0.30	-2.95e-04	0.0	2.44e-05
1723	44	-1.02	0.48	-0.29	-2.51e-04	0.0	2.75e-05
1723	68	-0.17	1.59	-0.24	-1.19e-03	0.0	-4.79e-05
1723	116	-10.54	1.78	-0.35	-3.18e-04	0.0	-2.91e-04
1723	139	-1.10	9.92	-0.04	-1.13e-03	0.0	1.10e-04
1723	144	-4.35	-8.32	-0.40	7.31e-04	0.0	-1.37e-04
1723	148	-11.83	1.94	-0.37	-3.35e-04	0.0	-3.29e-04
1723	171	-1.20	11.16	-0.02	-1.26e-03	0.0	1.24e-04
1723	176	-4.88	-9.45	-0.43	8.47e-04	0.0	-1.56e-04
1723	180	-11.73	1.79	-0.37	-3.20e-04	0.0	-3.29e-04
1723	203	-1.12	11.38	-0.01	-1.28e-03	0.0	1.27e-04
1723	208	-4.88	-9.70	-0.44	8.69e-04	0.0	-1.58e-04
1723	212	-13.71	1.95	-0.41	-3.39e-04	0.0	-3.91e-04
1723	235	-1.24	13.44	0.02	-1.49e-03	0.0	1.49e-04
1723	240	-5.71	-11.60	-0.49	1.06e-03	0.0	-1.89e-04
1723	256	-0.49	0.43	-0.21	-2.04e-04	0.0	1.66e-05
1723	264	-0.68	0.33	-0.21	-1.75e-04	0.0	1.87e-05
1723	276	-0.12	1.08	-0.17	-8.01e-04	0.0	-3.16e-05
1723	298	-0.14	0.38	-0.19	-1.66e-04	0.0	8.71e-06
1723	305	-0.24	0.34	-0.19	-1.56e-04	0.0	1.01e-05
1723	307	-0.13	0.49	-0.18	-2.81e-04	0.0	0.0
1723	310	-0.13	0.35	-0.18	-1.56e-04	0.0	8.05e-06
1724	44	-0.97	0.38	-0.25	-1.69e-04	0.0	5.67e-06
1724	68	-0.16	2.06	-0.21	8.88e-04	0.0	-2.93e-04
1724	76	-0.23	0.09	-0.26	-5.34e-04	0.0	7.44e-05
1724	116	-10.01	1.76	-0.23	-2.26e-04	0.0	-2.95e-04
1724	139	-1.05	9.33	-0.04	-1.07e-03	0.0	-1.67e-04
1724	144	-4.12	-7.88	-0.32	7.63e-04	0.0	1.12e-04
1724	148	-11.24	1.93	-0.24	-2.37e-04	0.0	-3.31e-04
1724	171	-1.15	10.51	-0.02	-1.20e-03	0.0	-1.86e-04
1724	176	-4.63	-8.96	-0.34	8.77e-04	0.0	1.27e-04
1724	180	-11.14	1.79	-0.24	-2.22e-04	0.0	-3.29e-04
1724	203	-1.07	10.72	-0.02	-1.22e-03	0.0	-1.80e-04
1724	208	-4.63	-9.19	-0.34	9.00e-04	0.0	1.22e-04
1724	212	-13.03	1.95	-0.26	-2.32e-04	0.0	-3.86e-04
1724	235	-1.19	12.66	7.96e-03	-1.43e-03	0.0	-2.09e-04
1724	240	-5.41	-10.98	-0.37	1.09e-03	0.0	1.42e-04
1724	264	-0.65	0.27	-0.18	-1.18e-04	0.0	3.59e-06
1724	276	-0.11	1.38	-0.16	5.87e-04	0.0	-1.96e-04
1724	280	-0.16	0.07	-0.19	-3.61e-04	0.0	4.94e-05
1724	298	-0.13	0.31	-0.17	-1.19e-04	0.0	-5.96e-06
1724	305	-0.22	0.28	-0.17	-1.11e-04	0.0	-3.62e-06
1724	307	-0.12	0.51	-0.16	3.03e-05	0.0	-4.35e-05
1724	310	-0.12	0.30	-0.17	-1.12e-04	0.0	-5.60e-06
1725	44	-1.02	0.46	-0.25	-2.42e-04	0.0	2.73e-05
1725	68	-0.17	1.59	-0.21	-1.44e-03	0.0	-4.34e-05
1725	76	-0.24	0.36	-0.26	7.29e-05	0.0	3.17e-05
1725	116	-10.54	1.87	-0.24	-3.48e-04	0.0	-2.91e-04
1725	139	-1.10	9.86	-0.04	-1.25e-03	0.0	1.11e-04
1725	144	-4.35	-8.25	-0.32	8.52e-04	0.0	-1.37e-04
1725	148	-11.83	2.04	-0.25	-3.70e-04	0.0	-3.29e-04
1725	171	-1.20	11.10	-0.02	-1.39e-03	0.0	1.24e-04
1725	176	-4.88	-9.38	-0.34	9.83e-04	0.0	-1.56e-04
1725	180	-11.73	1.89	-0.25	-3.52e-04	0.0	-3.29e-04
1725	203	-1.12	11.32	-0.02	-1.41e-03	0.0	1.27e-04
1725	208	-4.88	-9.62	-0.34	1.01e-03	0.0	-1.59e-04

1725	212	-13.71	2.07	-0.27	-3.77e-04	0.0	-3.91e-04
1725	235	-1.24	13.36	7.50e-03	-1.65e-03	0.0	1.50e-04
1725	240	-5.71	-11.51	-0.38	1.22e-03	0.0	-1.90e-04
1725	264	-0.68	0.33	-0.18	-1.69e-04	0.0	1.86e-05
1725	276	-0.12	1.07	-0.16	-9.66e-04	0.0	-2.86e-05
1725	280	-0.17	0.26	-0.19	4.10e-05	0.0	2.15e-05
1725	298	-0.14	0.37	-0.17	-1.58e-04	0.0	8.57e-06
1725	305	-0.24	0.34	-0.17	-1.49e-04	0.0	9.96e-06
1725	307	-0.13	0.49	-0.16	-3.08e-04	0.0	0.0
1725	310	-0.13	0.35	-0.17	-1.49e-04	0.0	7.93e-06
1726	28	-0.33	0.05	-0.15	-1.71e-04	0.0	1.28e-05
1726	44	-0.52	2.80e-03	-0.15	-1.39e-04	0.0	1.66e-05
1726	68	-0.02	1.50	-0.12	-1.64e-03	0.0	4.86e-05
1726	116	-5.94	1.19	-0.18	-4.58e-04	0.0	-1.59e-04
1726	139	-0.63	5.65	-0.03	-1.81e-03	0.0	7.35e-05
1726	144	-2.37	-4.99	-0.21	1.44e-03	0.0	-8.42e-05
1726	148	-6.67	1.32	-0.19	-5.00e-04	0.0	-1.79e-04
1726	171	-0.70	6.38	-0.02	-2.03e-03	0.0	8.28e-05
1726	176	-2.66	-5.65	-0.23	1.65e-03	0.0	-9.56e-05
1726	180	-6.61	1.22	-0.19	-4.71e-04	0.0	-1.80e-04
1726	203	-0.66	6.50	-0.01	-2.06e-03	0.0	8.45e-05
1726	208	-2.66	-5.79	-0.23	1.68e-03	0.0	-9.72e-05
1726	212	-7.74	1.37	-0.21	-5.20e-04	0.0	-2.14e-04
1726	235	-0.74	7.69	2.63e-03	-2.43e-03	0.0	9.99e-05
1726	240	-3.11	-6.89	-0.26	2.02e-03	0.0	-1.16e-04
1726	256	-0.22	0.04	-0.11	-1.18e-04	0.0	8.75e-06
1726	264	-0.35	3.86e-03	-0.11	-9.74e-05	0.0	1.13e-05
1726	276	-0.02	1.00	-0.09	-1.10e-03	0.0	3.26e-05
1726	305	-0.09	0.04	-0.10	-9.26e-05	0.0	4.83e-06
1726	307	-0.02	0.24	-0.10	-2.93e-04	0.0	9.10e-06
1726	310	-0.02	0.05	-0.10	-9.44e-05	0.0	3.31e-06
1727	28	-0.37	0.15	-0.15	-1.71e-04	0.0	1.22e-05
1727	44	-0.56	0.08	-0.15	-1.40e-04	0.0	1.63e-05
1727	68	-0.04	2.33	-0.12	-1.51e-03	0.0	4.95e-05
1727	116	-6.46	1.43	-0.18	-4.47e-04	0.0	-1.84e-04
1727	139	-0.69	6.60	-0.03	-1.76e-03	0.0	9.05e-05
1727	144	-2.59	-5.75	-0.22	1.40e-03	0.0	-1.06e-04
1727	148	-7.25	1.58	-0.19	-4.87e-04	0.0	-2.07e-04
1727	171	-0.76	7.44	-0.02	-1.98e-03	0.0	1.02e-04
1727	176	-2.91	-6.51	-0.23	1.60e-03	0.0	-1.20e-04
1727	180	-7.18	1.47	-0.19	-4.59e-04	0.0	-2.08e-04
1727	203	-0.71	7.58	-0.02	-2.01e-03	0.0	1.04e-04
1727	208	-2.91	-6.67	-0.23	1.64e-03	0.0	-1.22e-04
1727	212	-8.41	1.64	-0.21	-5.06e-04	0.0	-2.47e-04
1727	235	-0.80	8.97	1.71e-03	-2.37e-03	0.0	1.24e-04
1727	240	-3.40	-7.94	-0.26	1.97e-03	0.0	-1.45e-04
1727	256	-0.25	0.10	-0.11	-1.18e-04	0.0	8.29e-06
1727	264	-0.38	0.06	-0.11	-9.75e-05	0.0	1.10e-05
1727	276	-0.03	1.56	-0.09	-1.01e-03	0.0	3.32e-05
1727	305	-0.10	0.09	-0.10	-9.27e-05	0.0	4.34e-06
1727	307	-0.03	0.39	-0.10	-2.75e-04	0.0	8.77e-06
1727	310	-0.03	0.10	-0.10	-9.45e-05	0.0	2.74e-06
1728	28	-0.40	0.24	-0.16	-1.71e-04	0.0	1.19e-05
1728	44	-0.60	0.15	-0.15	-1.40e-04	0.0	1.63e-05
1728	68	-0.05	3.10	-0.13	-1.47e-03	0.0	-6.68e-05
1728	116	-6.87	1.67	-0.17	-4.42e-04	0.0	-2.12e-04
1728	139	-0.72	7.53	-0.03	-1.74e-03	0.0	7.14e-05
1728	144	-2.76	-6.49	-0.21	1.39e-03	0.0	-9.31e-05
1728	148	-7.71	1.84	-0.18	-4.81e-04	0.0	-2.39e-04
1728	171	-0.80	8.49	-0.02	-1.96e-03	0.0	8.05e-05
1728	176	-3.11	-7.36	-0.23	1.58e-03	0.0	-1.05e-04
1728	180	-7.64	1.71	-0.18	-4.54e-04	0.0	-2.39e-04
1728	203	-0.75	8.64	-0.02	-1.99e-03	0.0	8.15e-05
1728	208	-3.11	-7.53	-0.23	1.62e-03	0.0	-1.06e-04
1728	212	-8.94	1.91	-0.20	-5.00e-04	0.0	-2.83e-04
1728	235	-0.84	10.22	4.43e-04	-2.34e-03	0.0	9.62e-05
1728	240	-3.64	-8.98	-0.25	1.94e-03	0.0	-1.26e-04
1728	256	-0.27	0.16	-0.11	-1.18e-04	0.0	8.11e-06
1728	264	-0.40	0.11	-0.11	-9.75e-05	0.0	1.10e-05
1728	276	-0.03	2.07	-0.09	-9.84e-04	0.0	-4.44e-05
1728	305	-0.11	0.14	-0.11	-9.28e-05	0.0	4.09e-06
1728	307	-0.04	0.54	-0.10	-2.70e-04	0.0	-6.99e-06
1728	310	-0.04	0.16	-0.10	-9.46e-05	0.0	2.42e-06
1729	44	-0.52	-4.69e-03	-0.14	-1.40e-04	0.0	1.66e-05
1729	68	-0.02	1.48	-0.12	-1.63e-03	0.0	3.31e-05

1729	76	-0.04	-0.31	-0.15	2.64e-04	0.0	-2.35e-06
1729	116	-5.94	1.24	-0.07	-4.71e-04	0.0	-1.60e-04
1729	138	0.59	-5.51	-0.21	1.60e-03	0.0	-6.12e-05
1729	139	-0.63	5.62	6.64e-03	-1.79e-03	0.0	6.78e-05
1729	148	-6.67	1.37	-0.06	-5.14e-04	0.0	-1.81e-04
1729	170	0.66	-6.24	-0.22	1.82e-03	0.0	-6.97e-05
1729	171	-0.70	6.34	0.02	-2.01e-03	0.0	7.63e-05
1729	180	-6.61	1.28	-0.06	-4.86e-04	0.0	-1.81e-04
1729	202	0.61	-6.35	-0.23	1.85e-03	0.0	-7.12e-05
1729	203	-0.66	6.46	0.02	-2.04e-03	0.0	7.78e-05
1729	212	-7.74	1.44	-0.06	-5.37e-04	0.0	-2.15e-04
1729	234	0.70	-7.54	-0.25	2.21e-03	0.0	-8.52e-05
1729	235	-0.74	7.64	0.05	-2.40e-03	0.0	9.18e-05
1729	264	-0.35	-1.23e-03	-0.11	-9.76e-05	0.0	1.13e-05
1729	276	-0.02	0.99	-0.09	-1.09e-03	0.0	2.22e-05
1729	280	-0.03	-0.21	-0.11	1.72e-04	0.0	-1.37e-06
1729	298	-0.02	0.06	-0.10	-1.01e-04	0.0	3.49e-06
1729	305	-0.09	0.04	-0.10	-9.31e-05	0.0	4.84e-06
1729	307	-0.02	0.24	-0.10	-2.92e-04	0.0	7.03e-06
1729	310	-0.02	0.05	-0.10	-9.50e-05	0.0	3.32e-06
1730	44	-0.57	0.07	-0.14	-1.40e-04	0.0	1.63e-05
1730	68	-0.04	2.31	-0.12	-1.53e-03	0.0	6.15e-05
1730	76	-0.06	-0.45	-0.15	2.34e-04	0.0	-1.22e-05
1730	116	-6.46	1.49	-0.07	-4.65e-04	0.0	-1.83e-04
1730	138	0.62	-6.35	-0.21	1.57e-03	0.0	-8.65e-05
1730	139	-0.69	6.56	6.05e-03	-1.76e-03	0.0	9.20e-05
1730	148	-7.26	1.65	-0.06	-5.06e-04	0.0	-2.07e-04
1730	170	0.69	-7.19	-0.22	1.79e-03	0.0	-9.83e-05
1730	171	-0.76	7.40	0.02	-1.98e-03	0.0	1.04e-04
1730	180	-7.19	1.54	-0.06	-4.79e-04	0.0	-2.07e-04
1730	202	0.64	-7.33	-0.23	1.82e-03	0.0	-1.01e-04
1730	203	-0.71	7.53	0.02	-2.01e-03	0.0	1.06e-04
1730	212	-8.41	1.72	-0.06	-5.29e-04	0.0	-2.46e-04
1730	234	0.73	-8.70	-0.25	2.18e-03	0.0	-1.20e-04
1730	235	-0.80	8.91	0.04	-2.37e-03	0.0	1.26e-04
1730	264	-0.38	0.05	-0.11	-9.76e-05	0.0	1.11e-05
1730	276	-0.03	1.55	-0.09	-1.03e-03	0.0	4.12e-05
1730	280	-0.04	-0.29	-0.11	1.52e-04	0.0	-7.96e-06
1730	298	-0.03	0.11	-0.10	-1.01e-04	0.0	2.90e-06
1730	305	-0.10	0.09	-0.10	-9.31e-05	0.0	4.35e-06
1730	307	-0.03	0.39	-0.10	-2.79e-04	0.0	1.04e-05
1730	310	-0.03	0.10	-0.10	-9.50e-05	0.0	2.75e-06
1731	44	-0.61	0.14	-0.14	-1.40e-04	0.0	1.63e-05
1731	68	-0.05	3.11	-0.12	-1.52e-03	0.0	8.22e-05
1731	76	-0.08	-0.57	-0.15	2.30e-04	0.0	-1.92e-05
1731	116	-6.88	1.73	-0.07	-4.62e-04	0.0	-2.02e-04
1731	138	0.64	-7.19	-0.21	1.56e-03	0.0	-1.06e-04
1731	139	-0.72	7.50	6.44e-03	-1.75e-03	0.0	1.11e-04
1731	148	-7.73	1.91	-0.06	-5.04e-04	0.0	-2.28e-04
1731	170	0.72	-8.14	-0.23	1.78e-03	0.0	-1.20e-04
1731	171	-0.80	8.45	0.02	-1.97e-03	0.0	1.25e-04
1731	180	-7.65	1.79	-0.06	-4.76e-04	0.0	-2.29e-04
1731	202	0.66	-8.29	-0.23	1.81e-03	0.0	-1.23e-04
1731	203	-0.74	8.60	0.02	-2.00e-03	0.0	1.28e-04
1731	212	-8.96	2.00	-0.06	-5.26e-04	0.0	-2.72e-04
1731	234	0.75	-9.86	-0.25	2.16e-03	0.0	-1.47e-04
1731	235	-0.84	10.17	0.05	-2.35e-03	0.0	1.52e-04
1731	264	-0.41	0.10	-0.11	-9.76e-05	0.0	1.10e-05
1731	276	-0.03	2.08	-0.09	-1.02e-03	0.0	5.50e-05
1731	280	-0.05	-0.37	-0.11	1.49e-04	0.0	-1.26e-05
1731	298	-0.04	0.16	-0.10	-1.01e-04	0.0	2.55e-06
1731	305	-0.11	0.14	-0.10	-9.31e-05	0.0	4.08e-06
1731	307	-0.04	0.54	-0.10	-2.77e-04	0.0	1.29e-05
1731	310	-0.04	0.15	-0.10	-9.50e-05	0.0	2.41e-06
1732	44	-0.52	-0.01	-0.13	-1.40e-04	0.0	1.66e-05
1732	68	-0.02	1.47	-0.11	-1.60e-03	0.0	1.63e-05
1732	76	-0.04	-0.31	-0.15	2.53e-04	0.0	2.68e-06
1732	116	-5.94	1.29	0.03	-4.83e-04	0.0	-1.62e-04
1732	118	5.04	-3.58	-0.27	9.99e-04	0.0	8.35e-05
1732	139	-0.63	5.59	0.04	-1.76e-03	0.0	6.23e-05
1732	148	-6.67	1.43	0.05	-5.27e-04	0.0	-1.83e-04
1732	150	5.66	-4.04	-0.29	1.14e-03	0.0	9.32e-05
1732	171	-0.70	6.31	0.06	-1.98e-03	0.0	7.00e-05
1732	180	-6.61	1.34	0.04	-4.99e-04	0.0	-1.82e-04
1732	182	5.57	-4.01	-0.29	1.13e-03	0.0	9.09e-05

1732	203	-0.66	6.42	0.06	-2.01e-03	0.0	7.12e-05
1732	212	-7.74	1.51	0.07	-5.53e-04	0.0	-2.17e-04
1732	214	6.50	-4.72	-0.32	1.34e-03	0.0	1.06e-04
1732	235	-0.74	7.61	0.09	-2.37e-03	0.0	8.39e-05
1732	264	-0.35	-6.31e-03	-0.10	-9.79e-05	0.0	1.13e-05
1732	276	-0.02	0.98	-0.08	-1.07e-03	0.0	1.10e-05
1732	280	-0.03	-0.21	-0.11	1.64e-04	0.0	1.98e-06
1732	298	-0.02	0.06	-0.10	-1.01e-04	0.0	3.49e-06
1732	305	-0.09	0.04	-0.10	-9.36e-05	0.0	4.84e-06
1732	307	-0.02	0.24	-0.10	-2.88e-04	0.0	4.79e-06
1732	310	-0.02	0.05	-0.10	-9.55e-05	0.0	3.32e-06
1733	44	-0.57	0.06	-0.14	-1.40e-04	0.0	1.63e-05
1733	68	-0.04	2.28	-0.11	-1.46e-03	0.0	7.47e-05
1733	76	-0.06	-0.44	-0.15	2.12e-04	0.0	-1.62e-05
1733	116	-6.46	1.55	0.03	-4.71e-04	0.0	-1.83e-04
1733	118	5.45	-4.11	-0.27	9.71e-04	0.0	8.16e-05
1733	139	-0.69	6.52	0.04	-1.72e-03	0.0	9.38e-05
1733	148	-7.25	1.71	0.05	-5.14e-04	0.0	-2.06e-04
1733	150	6.13	-4.63	-0.30	1.10e-03	0.0	9.11e-05
1733	171	-0.76	7.35	0.06	-1.93e-03	0.0	1.06e-04
1733	180	-7.18	1.60	0.04	-4.87e-04	0.0	-2.07e-04
1733	182	6.03	-4.60	-0.29	1.10e-03	0.0	8.86e-05
1733	203	-0.71	7.48	0.06	-1.96e-03	0.0	1.08e-04
1733	212	-8.41	1.80	0.07	-5.39e-04	0.0	-2.46e-04
1733	214	7.04	-5.42	-0.33	1.30e-03	0.0	1.03e-04
1733	235	-0.80	8.85	0.09	-2.31e-03	0.0	1.28e-04
1733	264	-0.38	0.05	-0.10	-9.78e-05	0.0	1.10e-05
1733	276	-0.03	1.52	-0.09	-9.79e-04	0.0	5.00e-05
1733	280	-0.04	-0.29	-0.11	1.37e-04	0.0	-1.06e-05
1733	298	-0.03	0.11	-0.10	-1.01e-04	0.0	2.87e-06
1733	305	-0.10	0.09	-0.10	-9.35e-05	0.0	4.33e-06
1733	307	-0.03	0.38	-0.10	-2.70e-04	0.0	1.21e-05
1733	310	-0.03	0.10	-0.10	-9.54e-05	0.0	2.73e-06
1734	44	-0.61	0.14	-0.14	-1.40e-04	0.0	1.63e-05
1734	68	-0.05	3.02	-0.11	-1.43e-03	0.0	2.31e-04
1734	76	-0.08	-0.54	-0.15	2.01e-04	0.0	-6.37e-05
1734	116	-6.91	1.80	0.02	-4.66e-04	0.0	-1.94e-04
1734	118	5.82	-4.62	-0.27	9.60e-04	0.0	6.19e-05
1734	139	-0.73	7.43	0.04	-1.70e-03	0.0	1.53e-04
1734	148	-7.77	1.98	0.04	-5.09e-04	0.0	-2.19e-04
1734	150	6.54	-5.22	-0.29	1.09e-03	0.0	6.91e-05
1734	171	-0.80	8.37	0.06	-1.91e-03	0.0	1.73e-04
1734	180	-7.69	1.86	0.04	-4.82e-04	0.0	-2.21e-04
1734	182	6.43	-5.18	-0.29	1.08e-03	0.0	6.72e-05
1734	203	-0.75	8.52	0.06	-1.94e-03	0.0	1.77e-04
1734	212	-9.00	2.08	0.06	-5.33e-04	0.0	-2.64e-04
1734	214	7.51	-6.11	-0.32	1.29e-03	0.0	7.84e-05
1734	235	-0.84	10.07	0.09	-2.29e-03	0.0	2.11e-04
1734	264	-0.41	0.10	-0.10	-9.77e-05	0.0	1.10e-05
1734	276	-0.04	2.02	-0.09	-9.55e-04	0.0	1.54e-04
1734	280	-0.06	-0.35	-0.11	1.29e-04	0.0	-4.23e-05
1734	298	-0.05	0.16	-0.10	-1.01e-04	0.0	2.57e-06
1734	305	-0.12	0.14	-0.10	-9.34e-05	0.0	4.10e-06
1734	307	-0.04	0.52	-0.10	-2.65e-04	0.0	3.27e-05
1734	310	-0.04	0.15	-0.10	-9.54e-05	0.0	2.43e-06
1735	44	-1.02	0.42	-0.23	-2.22e-04	0.0	2.53e-05
1735	68	-0.17	1.56	-0.19	-1.71e-03	0.0	2.11e-05
1735	76	-0.25	0.34	-0.24	1.86e-04	0.0	8.87e-06
1735	116	-10.53	2.28	-0.13	-4.21e-04	0.0	-2.89e-04
1735	138	0.83	-8.94	-0.34	1.07e-03	0.0	-1.14e-04
1735	139	-1.09	9.62	0.02	-1.34e-03	0.0	1.26e-04
1735	148	-11.82	2.50	-0.13	-4.53e-04	0.0	-3.26e-04
1735	170	0.93	-10.15	-0.36	1.22e-03	0.0	-1.29e-04
1735	171	-1.20	10.83	0.04	-1.49e-03	0.0	1.42e-04
1735	180	-11.72	2.34	-0.13	-4.31e-04	0.0	-3.27e-04
1735	202	0.85	-10.34	-0.36	1.24e-03	0.0	-1.33e-04
1735	203	-1.11	11.02	0.04	-1.52e-03	0.0	1.46e-04
1735	212	-13.71	2.60	-0.13	-4.71e-04	0.0	-3.88e-04
1735	234	0.97	-12.33	-0.40	1.50e-03	0.0	-1.60e-04
1735	235	-1.23	13.01	0.08	-1.77e-03	0.0	1.73e-04
1735	264	-0.68	0.29	-0.17	-1.55e-04	0.0	1.72e-05
1735	276	-0.12	1.05	-0.14	-1.15e-03	0.0	1.44e-05
1735	280	-0.17	0.24	-0.18	1.17e-04	0.0	6.26e-06
1735	298	-0.14	0.36	-0.16	-1.43e-04	0.0	6.86e-06
1735	305	-0.24	0.32	-0.16	-1.35e-04	0.0	8.42e-06

1735	307	-0.13	0.47	-0.15	-3.34e-04	0.0	7.85e-06
1735	310	-0.13	0.34	-0.16	-1.36e-04	0.0	6.39e-06
1736	28	-0.66	0.41	-0.24	-1.67e-04	0.0	1.50e-05
1736	44	-0.93	0.29	-0.23	-1.36e-04	0.0	1.96e-05
1736	68	-0.15	2.91	-0.19	1.32e-03	0.0	-3.10e-05
1736	116	-9.64	1.97	-0.24	-2.21e-04	0.0	-2.61e-04
1736	139	-1.02	8.79	-0.02	-9.18e-04	0.0	1.01e-04
1736	144	-3.95	-7.44	-0.32	6.53e-04	0.0	-1.29e-04
1736	148	-10.82	2.17	-0.25	-2.35e-04	0.0	-2.94e-04
1736	171	-1.12	9.90	-7.82e-03	-1.02e-03	0.0	1.14e-04
1736	176	-4.44	-8.45	-0.34	7.49e-04	0.0	-1.47e-04
1736	180	-10.73	2.03	-0.25	-2.20e-04	0.0	-2.94e-04
1736	203	-1.04	10.09	-3.61e-03	-1.04e-03	0.0	1.17e-04
1736	208	-4.44	-8.65	-0.35	7.65e-04	0.0	-1.49e-04
1736	212	-12.55	2.25	-0.27	-2.33e-04	0.0	-3.49e-04
1736	235	-1.15	11.91	0.03	-1.21e-03	0.0	1.38e-04
1736	240	-5.19	-10.33	-0.38	9.26e-04	0.0	-1.77e-04
1736	256	-0.44	0.28	-0.17	-1.16e-04	0.0	1.02e-05
1736	264	-0.63	0.20	-0.17	-9.53e-05	0.0	1.33e-05
1736	276	-0.11	1.95	-0.14	8.79e-04	0.0	-2.05e-05
1736	298	-0.12	0.27	-0.16	-9.82e-05	0.0	3.76e-06
1736	305	-0.21	0.23	-0.16	-9.08e-05	0.0	5.40e-06
1736	307	-0.11	0.58	-0.15	1.04e-04	0.0	-1.35e-06
1736	310	-0.11	0.25	-0.16	-9.26e-05	0.0	3.52e-06
1737	44	-0.97	0.34	-0.22	-1.31e-04	0.0	2.16e-05
1737	68	-0.16	2.22	-0.17	1.29e-03	0.0	4.70e-05
1737	76	-0.23	0.03	-0.23	-6.00e-04	0.0	-3.48e-06
1737	116	-10.03	2.26	-0.05	-2.46e-04	0.0	-2.68e-04
1737	138	0.80	-8.54	-0.36	7.37e-04	0.0	-1.23e-04
1737	139	-1.05	9.12	0.06	-9.17e-04	0.0	1.32e-04
1737	148	-11.26	2.48	-0.03	-2.63e-04	0.0	-3.03e-04
1737	170	0.91	-9.69	-0.39	8.44e-04	0.0	-1.40e-04
1737	171	-1.15	10.27	0.09	-1.02e-03	0.0	1.49e-04
1737	180	-11.16	2.33	-0.04	-2.48e-04	0.0	-3.04e-04
1737	202	0.83	-9.87	-0.39	8.58e-04	0.0	-1.45e-04
1737	203	-1.07	10.45	0.09	-1.04e-03	0.0	1.54e-04
1737	212	-13.06	2.60	-0.02	-2.66e-04	0.0	-3.62e-04
1737	234	0.94	-11.75	-0.44	1.03e-03	0.0	-1.73e-04
1737	235	-1.19	12.34	0.13	-1.21e-03	0.0	1.82e-04
1737	264	-0.65	0.24	-0.16	-9.19e-05	0.0	1.47e-05
1737	276	-0.11	1.49	-0.13	8.53e-04	0.0	3.16e-05
1737	280	-0.16	0.03	-0.17	-4.04e-04	0.0	-2.05e-06
1737	298	-0.13	0.31	-0.15	-9.56e-05	0.0	4.82e-06
1737	305	-0.23	0.27	-0.15	-8.82e-05	0.0	6.45e-06
1737	307	-0.12	0.52	-0.15	1.01e-04	0.0	9.84e-06
1737	310	-0.12	0.29	-0.15	-9.02e-05	0.0	4.51e-06
1738	44	-0.94	0.28	-0.23	-1.34e-04	0.0	1.96e-05
1738	68	-0.15	2.91	-0.18	1.35e-03	0.0	6.02e-05
1738	76	-0.21	-0.28	-0.24	-6.21e-04	0.0	-9.73e-06
1738	116	-9.64	2.06	-0.13	-2.30e-04	0.0	-2.53e-04
1738	138	0.79	-8.25	-0.33	7.20e-04	0.0	-1.24e-04
1738	139	-1.02	8.74	0.02	-9.02e-04	0.0	1.31e-04
1738	148	-10.82	2.26	-0.13	-2.45e-04	0.0	-2.85e-04
1738	170	0.89	-9.35	-0.36	8.25e-04	0.0	-1.41e-04
1738	171	-1.12	9.85	0.04	-1.01e-03	0.0	1.48e-04
1738	180	-10.72	2.12	-0.13	-2.30e-04	0.0	-2.87e-04
1738	202	0.81	-9.53	-0.36	8.38e-04	0.0	-1.45e-04
1738	203	-1.04	10.03	0.04	-1.02e-03	0.0	1.52e-04
1738	212	-12.54	2.36	-0.13	-2.45e-04	0.0	-3.41e-04
1738	234	0.93	-11.35	-0.40	1.01e-03	0.0	-1.73e-04
1738	235	-1.16	11.84	0.08	-1.19e-03	0.0	1.81e-04
1738	264	-0.63	0.20	-0.17	-9.36e-05	0.0	1.33e-05
1738	276	-0.11	1.95	-0.14	8.94e-04	0.0	4.04e-05
1738	280	-0.15	-0.18	-0.18	-4.19e-04	0.0	-6.27e-06
1738	298	-0.12	0.26	-0.16	-9.69e-05	0.0	3.79e-06
1738	305	-0.22	0.23	-0.16	-8.95e-05	0.0	5.43e-06
1738	307	-0.11	0.58	-0.15	1.08e-04	0.0	1.08e-05
1738	310	-0.11	0.25	-0.16	-9.14e-05	0.0	3.55e-06
1739	44	-1.02	0.40	-0.22	-2.20e-04	0.0	2.53e-05
1739	68	-0.17	1.55	-0.17	-1.69e-03	0.0	2.29e-05
1739	76	-0.25	0.34	-0.24	1.84e-04	0.0	8.30e-06
1739	116	-10.53	2.37	-0.05	-4.29e-04	0.0	-2.88e-04
1739	138	0.83	-8.89	-0.37	1.06e-03	0.0	-1.14e-04
1739	139	-1.09	9.56	0.06	-1.33e-03	0.0	1.27e-04
1739	148	-11.82	2.60	-0.04	-4.62e-04	0.0	-3.25e-04

1739	170	0.93	-10.09	-0.39	1.21e-03	0.0	-1.30e-04
1739	171	-1.19	10.76	0.09	-1.48e-03	0.0	1.43e-04
1739	180	-11.72	2.45	-0.05	-4.40e-04	0.0	-3.26e-04
1739	202	0.85	-10.28	-0.40	1.23e-03	0.0	-1.34e-04
1739	203	-1.11	10.95	0.09	-1.50e-03	0.0	1.46e-04
1739	212	-13.70	2.72	-0.03	-4.82e-04	0.0	-3.88e-04
1739	234	0.97	-12.25	-0.44	1.48e-03	0.0	-1.60e-04
1739	235	-1.23	12.93	0.13	-1.75e-03	0.0	1.73e-04
1739	264	-0.68	0.29	-0.16	-1.54e-04	0.0	1.72e-05
1739	276	-0.12	1.05	-0.13	-1.14e-03	0.0	1.56e-05
1739	280	-0.17	0.24	-0.17	1.15e-04	0.0	5.88e-06
1739	298	-0.14	0.36	-0.16	-1.41e-04	0.0	6.85e-06
1739	305	-0.24	0.32	-0.15	-1.34e-04	0.0	8.42e-06
1739	307	-0.13	0.47	-0.15	-3.30e-04	0.0	8.10e-06
1739	310	-0.13	0.34	-0.15	-1.35e-04	0.0	6.39e-06
1740	44	-0.93	0.27	-0.21	-1.32e-04	0.0	1.97e-05
1740	68	-0.15	2.85	-0.17	1.28e-03	0.0	1.53e-04
1740	76	-0.21	-0.27	-0.23	-5.98e-04	0.0	-3.75e-05
1740	116	-9.60	2.14	-0.05	-2.47e-04	0.0	-2.46e-04
1740	138	0.78	-8.18	-0.36	7.43e-04	0.0	-1.55e-04
1740	139	-1.01	8.67	0.06	-9.23e-04	0.0	1.62e-04
1740	148	-10.78	2.35	-0.04	-2.65e-04	0.0	-2.78e-04
1740	170	0.88	-9.28	-0.39	8.50e-04	0.0	-1.76e-04
1740	171	-1.11	9.77	0.09	-1.03e-03	0.0	1.83e-04
1740	180	-10.68	2.21	-0.04	-2.50e-04	0.0	-2.80e-04
1740	202	0.81	-9.45	-0.39	8.65e-04	0.0	-1.81e-04
1740	203	-1.04	9.94	0.09	-1.05e-03	0.0	1.88e-04
1740	212	-12.50	2.47	-0.03	-2.68e-04	0.0	-3.34e-04
1740	234	0.92	-11.25	-0.44	1.04e-03	0.0	-2.16e-04
1740	235	-1.15	11.74	0.14	-1.22e-03	0.0	2.24e-04
1740	264	-0.63	0.19	-0.16	-9.20e-05	0.0	1.34e-05
1740	276	-0.11	1.91	-0.13	8.48e-04	0.0	1.02e-04
1740	280	-0.15	-0.17	-0.17	-4.03e-04	0.0	-2.48e-05
1740	298	-0.12	0.26	-0.15	-9.56e-05	0.0	3.84e-06
1740	305	-0.22	0.23	-0.15	-8.83e-05	0.0	5.47e-06
1740	307	-0.11	0.57	-0.15	9.98e-05	0.0	2.33e-05
1740	310	-0.11	0.25	-0.15	-9.02e-05	0.0	3.60e-06
1741	28	-0.35	-4.36e-03	-0.31	0.0	-1.13e-04	3.14e-05
1741	44	-0.54	-0.06	-0.29	0.0	-1.42e-04	4.02e-05
1741	68	-0.03	0.66	-0.22	0.0	-4.33e-05	1.38e-05
1741	116	-6.03	1.41	-0.35	0.0	-1.31e-03	1.42e-04
1741	139	-0.68	5.28	8.65e-03	0.0	-1.50e-04	1.03e-04
1741	144	-2.41	-4.66	-0.44	0.0	-5.56e-04	3.73e-05
1741	148	-6.78	1.57	-0.37	0.0	-1.47e-03	1.57e-04
1741	171	-0.75	5.96	0.03	0.0	-1.63e-04	1.15e-04
1741	176	-2.71	-5.27	-0.48	0.0	-6.22e-04	4.10e-05
1741	180	-6.71	1.48	-0.37	0.0	-1.46e-03	1.52e-04
1741	203	-0.70	6.06	0.04	0.0	-1.52e-04	1.11e-04
1741	208	-2.70	-5.39	-0.48	0.0	-6.23e-04	4.13e-05
1741	212	-7.85	1.67	-0.41	0.0	-1.71e-03	1.74e-04
1741	235	-0.80	7.17	0.08	0.0	-1.66e-04	1.28e-04
1741	240	-3.17	-6.41	-0.54	0.0	-7.26e-04	4.67e-05
1741	256	-0.23	-2.01e-03	-0.21	0.0	-7.66e-05	2.13e-05
1741	264	-0.36	-0.04	-0.21	0.0	-9.63e-05	2.72e-05
1741	276	-0.02	0.44	-0.16	0.0	-3.04e-05	9.58e-06
1741	298	-0.03	0.03	-0.18	0.0	-3.35e-05	8.53e-06
1741	305	-0.09	0.02	-0.18	0.0	-4.41e-05	1.17e-05
1741	307	-0.03	0.11	-0.17	0.0	-3.09e-05	8.17e-06
1741	310	-0.03	0.03	-0.17	0.0	-3.18e-05	8.06e-06
1742	28	-0.41	0.06	-0.32	0.0	-1.20e-04	4.63e-05
1742	44	-0.62	-5.73e-03	-0.31	0.0	-1.51e-04	5.83e-05
1742	68	-0.06	0.80	-0.23	0.0	-4.58e-05	2.10e-05
1742	116	-6.73	1.62	-0.37	0.0	-1.40e-03	3.79e-04
1742	139	-0.75	5.99	0.01	0.0	-1.55e-04	1.80e-04
1742	144	-2.70	-5.21	-0.47	0.0	-5.96e-04	9.62e-05
1742	148	-7.56	1.80	-0.39	0.0	-1.57e-03	4.24e-04
1742	171	-0.83	6.75	0.04	0.0	-1.68e-04	2.01e-04
1742	176	-3.04	-5.90	-0.51	0.0	-6.68e-04	1.07e-04
1742	180	-7.48	1.70	-0.39	0.0	-1.56e-03	4.16e-04
1742	203	-0.78	6.87	0.05	0.0	-1.56e-04	1.97e-04
1742	208	-3.03	-6.04	-0.52	0.0	-6.68e-04	1.06e-04
1742	212	-8.76	1.92	-0.43	0.0	-1.82e-03	4.83e-04
1742	235	-0.88	8.12	0.09	0.0	-1.70e-04	2.27e-04
1742	240	-3.55	-7.19	-0.58	0.0	-7.79e-04	1.21e-04
1742	256	-0.28	0.05	-0.23	0.0	-8.14e-05	3.15e-05

1742	264	-0.41	-1.07e-03	-0.22	0.0	-1.02e-04	3.95e-05
1742	276	-0.04	0.53	-0.16	0.0	-3.22e-05	1.46e-05
1742	298	-0.05	0.08	-0.19	0.0	-3.54e-05	1.32e-05
1742	305	-0.12	0.06	-0.19	0.0	-4.67e-05	1.76e-05
1742	307	-0.04	0.16	-0.18	0.0	-3.27e-05	1.26e-05
1742	310	-0.04	0.07	-0.18	0.0	-3.36e-05	1.25e-05
1743	28	-0.48	0.14	-0.34	0.0	-1.28e-04	4.72e-05
1743	44	-0.70	0.06	-0.32	0.0	-1.62e-04	5.94e-05
1743	68	-0.08	0.93	-0.24	0.0	-4.91e-05	2.22e-05
1743	116	-7.52	1.84	-0.38	0.0	-1.50e-03	4.47e-04
1743	139	-0.84	6.70	0.02	0.0	-1.61e-04	2.10e-04
1743	144	-3.04	-5.76	-0.50	0.0	-6.44e-04	1.08e-04
1743	148	-8.45	2.04	-0.41	0.0	-1.69e-03	5.00e-04
1743	171	-0.93	7.56	0.05	0.0	-1.75e-04	2.34e-04
1743	176	-3.42	-6.53	-0.54	0.0	-7.22e-04	1.20e-04
1743	180	-8.36	1.93	-0.41	0.0	-1.67e-03	4.92e-04
1743	203	-0.87	7.69	0.06	0.0	-1.62e-04	2.29e-04
1743	208	-3.41	-6.68	-0.55	0.0	-7.22e-04	1.19e-04
1743	212	-9.78	2.18	-0.45	0.0	-1.95e-03	5.71e-04
1743	235	-0.98	9.09	0.11	0.0	-1.76e-04	2.65e-04
1743	240	-3.99	-7.96	-0.61	0.0	-8.42e-04	1.37e-04
1743	256	-0.32	0.10	-0.24	0.0	-8.72e-05	3.20e-05
1743	264	-0.47	0.04	-0.23	0.0	-1.10e-04	4.01e-05
1743	276	-0.06	0.63	-0.17	0.0	-3.45e-05	1.53e-05
1743	298	-0.07	0.12	-0.20	0.0	-3.76e-05	1.32e-05
1743	305	-0.14	0.10	-0.20	0.0	-4.99e-05	1.76e-05
1743	307	-0.06	0.21	-0.19	0.0	-3.48e-05	1.27e-05
1743	310	-0.06	0.11	-0.19	0.0	-3.58e-05	1.24e-05
1744	28	-0.37	-4.97e-03	-0.34	0.0	-1.21e-04	2.46e-05
1744	44	-0.56	-0.06	-0.32	0.0	-1.52e-04	3.15e-05
1744	68	-0.04	0.66	-0.28	0.0	-4.78e-05	1.11e-05
1744	116	-6.09	1.41	-0.29	0.0	-1.46e-03	6.26e-05
1744	139	-0.71	5.28	-0.11	0.0	-1.76e-04	9.03e-05
1744	144	-2.44	-4.66	-0.34	0.0	-6.12e-04	6.34e-06
1744	148	-6.85	1.57	-0.30	0.0	-1.64e-03	6.88e-05
1744	171	-0.79	5.96	-0.09	0.0	-1.91e-04	1.01e-04
1744	176	-2.74	-5.27	-0.35	0.0	-6.85e-04	6.28e-06
1744	180	-6.78	1.48	-0.30	0.0	-1.62e-03	6.34e-05
1744	203	-0.74	6.06	-0.09	0.0	-1.79e-04	9.83e-05
1744	208	-2.73	-5.39	-0.36	0.0	-6.85e-04	6.23e-06
1744	212	-7.93	1.67	-0.32	0.0	-1.89e-03	7.07e-05
1744	235	-0.84	7.17	-0.07	0.0	-1.98e-04	1.14e-04
1744	240	-3.20	-6.41	-0.39	0.0	-7.98e-04	5.62e-06
1744	256	-0.25	-2.45e-03	-0.24	0.0	-8.26e-05	1.67e-05
1744	264	-0.38	-0.04	-0.22	0.0	-1.03e-04	2.13e-05
1744	276	-0.03	0.44	-0.20	0.0	-3.36e-05	7.71e-06
1744	298	-0.03	0.03	-0.21	0.0	-3.63e-05	6.56e-06
1744	305	-0.10	0.02	-0.20	0.0	-4.76e-05	9.05e-06
1744	307	-0.03	0.11	-0.19	0.0	-3.36e-05	6.33e-06
1744	310	-0.03	0.03	-0.20	0.0	-3.45e-05	6.17e-06
1745	28	-0.43	0.06	-0.36	0.0	-1.23e-04	3.26e-05
1745	44	-0.65	-6.26e-03	-0.34	0.0	-1.55e-04	4.08e-05
1745	68	-0.07	0.80	-0.29	0.0	-4.80e-05	1.56e-05
1745	116	-6.88	1.62	-0.31	0.0	-1.45e-03	1.59e-04
1745	139	-0.81	5.99	-0.11	0.0	-1.71e-04	1.21e-04
1745	144	-2.77	-5.21	-0.36	0.0	-6.12e-04	3.65e-05
1745	148	-7.73	1.80	-0.33	0.0	-1.63e-03	1.77e-04
1745	171	-0.89	6.75	-0.09	0.0	-1.87e-04	1.34e-04
1745	176	-3.11	-5.90	-0.38	0.0	-6.85e-04	3.99e-05
1745	180	-7.65	1.70	-0.33	0.0	-1.61e-03	1.71e-04
1745	203	-0.84	6.87	-0.09	0.0	-1.74e-04	1.31e-04
1745	208	-3.10	-6.04	-0.39	0.0	-6.85e-04	3.98e-05
1745	212	-8.95	1.92	-0.35	0.0	-1.88e-03	1.95e-04
1745	235	-0.95	8.12	-0.07	0.0	-1.92e-04	1.52e-04
1745	240	-3.63	-7.19	-0.42	0.0	-7.98e-04	4.45e-05
1745	256	-0.29	0.05	-0.25	0.0	-8.36e-05	2.21e-05
1745	264	-0.43	-1.44e-03	-0.24	0.0	-1.05e-04	2.76e-05
1745	276	-0.05	0.53	-0.21	0.0	-3.37e-05	1.08e-05
1745	298	-0.05	0.08	-0.22	0.0	-3.65e-05	9.24e-06
1745	305	-0.13	0.06	-0.21	0.0	-4.80e-05	1.23e-05
1745	307	-0.05	0.16	-0.21	0.0	-3.38e-05	8.89e-06
1745	310	-0.05	0.07	-0.21	0.0	-3.46e-05	8.69e-06
1746	28	-0.50	0.14	-0.38	0.0	-1.24e-04	3.30e-05
1746	44	-0.73	0.06	-0.35	0.0	-1.57e-04	4.09e-05
1746	68	-0.09	0.93	-0.31	0.0	-4.80e-05	1.66e-05

1746	116	-7.65	1.84	-0.33	0.0	-1.41e-03	1.37e-04
1746	139	-0.90	6.70	-0.11	0.0	-1.63e-04	1.30e-04
1746	144	-3.09	-5.76	-0.39	0.0	-6.00e-04	2.22e-05
1746	148	-8.60	2.04	-0.35	0.0	-1.58e-03	1.53e-04
1746	171	-0.99	7.56	-0.09	0.0	-1.77e-04	1.45e-04
1746	176	-3.48	-6.53	-0.41	0.0	-6.72e-04	2.37e-05
1746	180	-8.51	1.93	-0.35	0.0	-1.56e-03	1.46e-04
1746	203	-0.93	7.68	-0.09	0.0	-1.65e-04	1.43e-04
1746	208	-3.47	-6.68	-0.41	0.0	-6.73e-04	2.32e-05
1746	212	-9.95	2.18	-0.37	0.0	-1.83e-03	1.66e-04
1746	235	-1.05	9.09	-0.06	0.0	-1.81e-04	1.65e-04
1746	240	-4.06	-7.96	-0.45	0.0	-7.83e-04	2.47e-05
1746	256	-0.33	0.10	-0.27	0.0	-8.43e-05	2.24e-05
1746	264	-0.49	0.04	-0.25	0.0	-1.06e-04	2.76e-05
1746	276	-0.06	0.63	-0.22	0.0	-3.37e-05	1.14e-05
1746	298	-0.07	0.12	-0.23	0.0	-3.64e-05	9.47e-06
1746	305	-0.15	0.10	-0.22	0.0	-4.82e-05	1.24e-05
1746	307	-0.07	0.21	-0.22	0.0	-3.37e-05	9.16e-06
1746	310	-0.07	0.11	-0.22	0.0	-3.46e-05	8.87e-06
1747	28	-0.38	-5.70e-03	-0.38	0.0	-1.28e-04	1.93e-05
1747	44	-0.58	-0.06	-0.35	0.0	-1.59e-04	2.46e-05
1747	68	-0.05	0.66	-0.33	0.0	-5.16e-05	9.08e-06
1747	116	-6.09	1.41	-0.28	0.0	-1.53e-03	1.70e-05
1747	139	-0.74	5.28	-0.18	0.0	-1.94e-04	9.17e-05
1747	144	-2.44	-4.66	-0.29	0.0	-6.36e-04	-2.95e-05
1747	148	-6.84	1.57	-0.29	0.0	-1.71e-03	1.77e-05
1747	171	-0.82	5.96	-0.18	0.0	-2.12e-04	1.03e-04
1747	176	-2.75	-5.28	-0.30	0.0	-7.12e-04	-3.40e-05
1747	180	-6.77	1.48	-0.29	0.0	-1.69e-03	1.24e-05
1747	203	-0.78	6.06	-0.17	0.0	-1.99e-04	1.01e-04
1747	208	-2.74	-5.40	-0.30	0.0	-7.11e-04	-3.44e-05
1747	212	-7.92	1.67	-0.30	0.0	-1.98e-03	1.16e-05
1747	235	-0.88	7.17	-0.16	0.0	-2.21e-04	1.18e-04
1747	240	-3.20	-6.41	-0.31	0.0	-8.28e-04	-4.21e-05
1747	256	-0.25	-2.96e-03	-0.27	0.0	-8.68e-05	1.31e-05
1747	264	-0.39	-0.04	-0.25	0.0	-1.08e-04	1.66e-05
1747	276	-0.03	0.44	-0.23	0.0	-3.62e-05	6.26e-06
1747	298	-0.04	0.03	-0.23	0.0	-3.86e-05	5.14e-06
1747	305	-0.10	0.02	-0.22	0.0	-5.02e-05	7.06e-06
1747	307	-0.03	0.11	-0.22	0.0	-3.58e-05	4.99e-06
1747	310	-0.03	0.03	-0.22	0.0	-3.66e-05	4.82e-06
1748	28	-0.45	0.06	-0.41	0.0	-1.26e-04	2.43e-05
1748	44	-0.66	-7.01e-03	-0.37	0.0	-1.58e-04	3.00e-05
1748	68	-0.07	0.79	-0.35	0.0	-5.05e-05	1.24e-05
1748	116	-6.91	1.62	-0.30	0.0	-1.47e-03	2.44e-05
1748	139	-0.85	5.99	-0.19	0.0	-1.85e-04	1.04e-04
1748	144	-2.78	-5.21	-0.31	0.0	-6.17e-04	-2.30e-05
1748	148	-7.75	1.80	-0.31	0.0	-1.65e-03	2.56e-05
1748	171	-0.94	6.75	-0.18	0.0	-2.01e-04	1.16e-04
1748	176	-3.12	-5.91	-0.32	0.0	-6.90e-04	-2.70e-05
1748	180	-7.67	1.70	-0.31	0.0	-1.63e-03	1.89e-05
1748	203	-0.89	6.87	-0.18	0.0	-1.89e-04	1.14e-04
1748	208	-3.12	-6.04	-0.32	0.0	-6.90e-04	-2.76e-05
1748	212	-8.97	1.92	-0.32	0.0	-1.90e-03	1.83e-05
1748	235	-1.00	8.13	-0.17	0.0	-2.09e-04	1.33e-04
1748	240	-3.64	-7.19	-0.34	0.0	-8.03e-04	-3.46e-05
1748	256	-0.30	0.05	-0.28	0.0	-8.60e-05	1.65e-05
1748	264	-0.45	-1.97e-03	-0.26	0.0	-1.07e-04	2.03e-05
1748	276	-0.05	0.53	-0.24	0.0	-3.54e-05	8.58e-06
1748	298	-0.06	0.08	-0.24	0.0	-3.78e-05	7.10e-06
1748	305	-0.13	0.05	-0.24	0.0	-4.95e-05	9.22e-06
1748	307	-0.05	0.16	-0.23	0.0	-3.51e-05	6.88e-06
1748	310	-0.05	0.07	-0.23	0.0	-3.59e-05	6.66e-06
1749	28	-0.51	0.14	-0.43	0.0	-1.25e-04	2.65e-05
1749	44	-0.75	0.05	-0.39	0.0	-1.57e-04	3.22e-05
1749	68	-0.10	0.93	-0.36	0.0	-4.90e-05	1.43e-05
1749	116	-7.67	1.84	-0.32	0.0	-1.39e-03	2.66e-05
1749	139	-0.94	6.70	-0.20	0.0	-1.71e-04	1.18e-04
1749	144	-3.10	-5.77	-0.33	0.0	-5.89e-04	-2.93e-05
1749	148	-8.61	2.04	-0.33	0.0	-1.56e-03	2.79e-05
1749	171	-1.04	7.56	-0.19	0.0	-1.86e-04	1.32e-04
1749	176	-3.49	-6.54	-0.34	0.0	-6.60e-04	-3.42e-05
1749	180	-8.52	1.93	-0.33	0.0	-1.54e-03	2.04e-05
1749	203	-0.98	7.68	-0.19	0.0	-1.75e-04	1.30e-04
1749	208	-3.48	-6.69	-0.34	0.0	-6.60e-04	-3.51e-05

1749	212	-9.96	2.18	-0.34	0.0	-1.80e-03	1.96e-05
1749	235	-1.11	9.09	-0.18	0.0	-1.92e-04	1.52e-04
1749	240	-4.06	-7.96	-0.36	0.0	-7.68e-04	-4.38e-05
1749	256	-0.34	0.10	-0.30	0.0	-8.47e-05	1.80e-05
1749	264	-0.50	0.04	-0.27	0.0	-1.06e-04	2.18e-05
1749	276	-0.07	0.63	-0.26	0.0	-3.43e-05	9.87e-06
1749	298	-0.08	0.12	-0.26	0.0	-3.68e-05	8.07e-06
1749	305	-0.16	0.10	-0.25	0.0	-4.85e-05	1.02e-05
1749	307	-0.07	0.21	-0.24	0.0	-3.41e-05	7.83e-06
1749	310	-0.07	0.11	-0.25	0.0	-3.49e-05	7.55e-06
1750	28	-0.39	-6.52e-03	-0.43	0.0	-1.32e-04	1.65e-05
1750	44	-0.59	-0.06	-0.39	0.0	-1.64e-04	2.10e-05
1750	68	-0.05	0.66	-0.38	0.0	-5.49e-05	7.87e-06
1750	116	-6.04	1.41	-0.29	0.0	-1.55e-03	-1.35e-04
1750	139	-0.77	5.28	-0.25	0.0	-2.07e-04	5.52e-05
1750	148	-6.79	1.57	-0.30	0.0	-1.74e-03	-1.52e-04
1750	171	-0.85	5.96	-0.25	0.0	-2.27e-04	6.19e-05
1750	180	-6.71	1.48	-0.30	0.0	-1.72e-03	-1.51e-04
1750	203	-0.81	6.06	-0.25	0.0	-2.15e-04	6.28e-05
1750	212	-7.85	1.67	-0.31	0.0	-2.00e-03	-1.79e-04
1750	235	-0.92	7.17	-0.24	0.0	-2.39e-04	7.36e-05
1750	256	-0.26	-3.55e-03	-0.30	0.0	-8.99e-05	1.12e-05
1750	264	-0.40	-0.04	-0.27	0.0	-1.11e-04	1.42e-05
1750	276	-0.04	0.44	-0.26	0.0	-3.85e-05	5.43e-06
1750	298	-0.04	0.03	-0.26	0.0	-4.05e-05	4.40e-06
1750	305	-0.11	0.02	-0.25	0.0	-5.22e-05	6.03e-06
1750	307	-0.04	0.11	-0.25	0.0	-3.76e-05	4.28e-06
1750	310	-0.04	0.03	-0.25	0.0	-3.84e-05	4.12e-06
1751	28	-0.46	0.06	-0.46	0.0	-1.30e-04	2.02e-05
1751	44	-0.68	-8.01e-03	-0.41	0.0	-1.62e-04	2.47e-05
1751	68	-0.08	0.79	-0.40	0.0	-5.31e-05	1.07e-05
1751	116	-6.87	1.62	-0.31	0.0	-1.48e-03	3.48e-05
1751	139	-0.88	5.99	-0.26	0.0	-1.96e-04	1.19e-04
1751	148	-7.71	1.80	-0.32	0.0	-1.66e-03	3.76e-05
1751	171	-0.97	6.75	-0.26	0.0	-2.14e-04	1.33e-04
1751	180	-7.63	1.70	-0.32	0.0	-1.64e-03	3.23e-05
1751	203	-0.92	6.87	-0.26	0.0	-2.03e-04	1.32e-04
1751	212	-8.92	1.92	-0.33	0.0	-1.92e-03	3.48e-05
1751	235	-1.04	8.12	-0.26	0.0	-2.25e-04	1.55e-04
1751	256	-0.31	0.04	-0.32	0.0	-8.84e-05	1.37e-05
1751	264	-0.45	-2.68e-03	-0.29	0.0	-1.10e-04	1.67e-05
1751	276	-0.06	0.53	-0.28	0.0	-3.72e-05	7.38e-06
1751	298	-0.06	0.08	-0.27	0.0	-3.93e-05	6.04e-06
1751	305	-0.14	0.05	-0.26	0.0	-5.11e-05	7.73e-06
1751	307	-0.06	0.16	-0.26	0.0	-3.65e-05	5.87e-06
1751	310	-0.06	0.07	-0.26	0.0	-3.73e-05	5.66e-06
1752	28	-0.53	0.14	-0.48	0.0	-1.27e-04	2.32e-05
1752	44	-0.76	0.05	-0.44	0.0	-1.59e-04	2.77e-05
1752	68	-0.11	0.93	-0.42	0.0	-5.07e-05	1.29e-05
1752	116	-7.63	1.84	-0.33	0.0	-1.39e-03	3.25e-05
1752	139	-0.98	6.70	-0.28	0.0	-1.81e-04	1.31e-04
1752	148	-8.57	2.04	-0.34	0.0	-1.55e-03	3.47e-05
1752	171	-1.08	7.56	-0.27	0.0	-1.97e-04	1.46e-04
1752	180	-8.48	1.93	-0.34	0.0	-1.54e-03	2.83e-05
1752	203	-1.03	7.68	-0.27	0.0	-1.86e-04	1.45e-04
1752	212	-9.91	2.18	-0.35	0.0	-1.80e-03	2.96e-05
1752	235	-1.16	9.09	-0.27	0.0	-2.06e-04	1.70e-04
1752	256	-0.35	0.10	-0.34	0.0	-8.63e-05	1.57e-05
1752	264	-0.51	0.04	-0.31	0.0	-1.08e-04	1.88e-05
1752	276	-0.08	0.63	-0.30	0.0	-3.55e-05	8.92e-06
1752	298	-0.08	0.12	-0.29	0.0	-3.77e-05	7.32e-06
1752	305	-0.16	0.10	-0.28	0.0	-4.95e-05	9.07e-06
1752	307	-0.08	0.21	-0.28	0.0	-3.50e-05	7.10e-06
1752	310	-0.08	0.11	-0.28	0.0	-3.58e-05	6.85e-06
1753	28	-0.39	-7.47e-03	-0.50	0.0	-1.35e-04	1.41e-05
1753	44	-0.60	-0.06	-0.45	0.0	-1.67e-04	1.84e-05
1753	68	-0.05	0.66	-0.44	0.0	-5.74e-05	6.21e-06
1753	116	-5.98	1.41	-0.33	0.0	-1.55e-03	-1.51e-04
1753	119	-5.25	3.61	-0.35	0.0	-1.35e-03	-7.42e-05
1753	139	-0.79	5.28	-0.33	0.0	-2.18e-04	5.20e-05
1753	148	-6.72	1.56	-0.34	0.0	-1.73e-03	-1.71e-04
1753	151	-5.89	4.06	-0.35	0.0	-1.52e-03	-8.35e-05
1753	171	-0.88	5.96	-0.33	0.0	-2.38e-04	5.84e-05
1753	180	-6.64	1.47	-0.34	0.0	-1.72e-03	-1.70e-04
1753	183	-5.79	4.03	-0.35	0.0	-1.49e-03	-8.08e-05

1753	203	-0.83	6.06	-0.33	0.0	-2.26e-04	5.93e-05
1753	212	-7.76	1.67	-0.35	0.0	-2.00e-03	-2.01e-04
1753	215	-6.75	4.71	-0.36	0.0	-1.73e-03	-9.50e-05
1753	235	-0.95	7.18	-0.34	0.0	-2.52e-04	6.97e-05
1753	256	-0.27	-4.21e-03	-0.35	0.0	-9.20e-05	9.57e-06
1753	264	-0.40	-0.04	-0.31	0.0	-1.13e-04	1.24e-05
1753	276	-0.04	0.44	-0.31	0.0	-4.02e-05	4.29e-06
1753	298	-0.04	0.03	-0.30	0.0	-4.19e-05	3.45e-06
1753	305	-0.11	0.02	-0.29	0.0	-5.37e-05	4.99e-06
1753	307	-0.04	0.11	-0.29	0.0	-3.90e-05	3.36e-06
1753	310	-0.04	0.03	-0.28	0.0	-3.97e-05	3.24e-06
1754	28	-0.47	0.06	-0.53	0.0	-1.33e-04	1.64e-05
1754	44	-0.69	-9.25e-03	-0.48	0.0	-1.65e-04	2.06e-05
1754	68	-0.08	0.79	-0.47	0.0	-5.54e-05	7.97e-06
1754	116	-6.80	1.62	-0.36	0.0	-1.48e-03	4.91e-05
1754	119	-5.97	4.11	-0.37	0.0	-1.29e-03	1.36e-04
1754	139	-0.91	5.99	-0.35	0.0	-2.06e-04	1.26e-04
1754	148	-7.64	1.80	-0.36	0.0	-1.66e-03	5.39e-05
1754	151	-6.69	4.61	-0.38	0.0	-1.45e-03	1.52e-04
1754	171	-1.00	6.75	-0.36	0.0	-2.25e-04	1.41e-04
1754	180	-7.55	1.70	-0.36	0.0	-1.64e-03	4.84e-05
1754	183	-6.58	4.58	-0.38	0.0	-1.42e-03	1.48e-04
1754	203	-0.95	6.87	-0.36	0.0	-2.14e-04	1.40e-04
1754	212	-8.83	1.92	-0.37	0.0	-1.91e-03	5.38e-05
1754	215	-7.67	5.35	-0.39	0.0	-1.66e-03	1.73e-04
1754	235	-1.08	8.12	-0.36	0.0	-2.38e-04	1.64e-04
1754	256	-0.31	0.04	-0.37	0.0	-9.04e-05	1.11e-05
1754	264	-0.46	-3.55e-03	-0.33	0.0	-1.12e-04	1.40e-05
1754	276	-0.06	0.53	-0.33	0.0	-3.88e-05	5.51e-06
1754	298	-0.06	0.07	-0.32	0.0	-4.06e-05	4.45e-06
1754	305	-0.14	0.05	-0.30	0.0	-5.24e-05	6.02e-06
1754	307	-0.06	0.16	-0.30	0.0	-3.78e-05	4.33e-06
1754	310	-0.06	0.07	-0.30	0.0	-3.85e-05	4.16e-06
1755	28	-0.54	0.14	-0.55	0.0	-1.29e-04	1.91e-05
1755	44	-0.78	0.05	-0.50	0.0	-1.62e-04	2.34e-05
1755	68	-0.11	0.93	-0.50	0.0	-5.25e-05	1.00e-05
1755	116	-7.57	1.84	-0.38	0.0	-1.38e-03	5.11e-05
1755	119	-6.64	4.61	-0.39	0.0	-1.21e-03	1.48e-04
1755	139	-1.01	6.70	-0.37	0.0	-1.90e-04	1.40e-04
1755	148	-8.50	2.04	-0.38	0.0	-1.55e-03	5.59e-05
1755	151	-7.45	5.17	-0.40	0.0	-1.35e-03	1.65e-04
1755	171	-1.12	7.56	-0.38	0.0	-2.07e-04	1.57e-04
1755	180	-8.41	1.93	-0.38	0.0	-1.53e-03	4.98e-05
1755	183	-7.33	5.13	-0.40	0.0	-1.33e-03	1.61e-04
1755	203	-1.06	7.68	-0.38	0.0	-1.96e-04	1.56e-04
1755	212	-9.82	2.17	-0.39	0.0	-1.79e-03	5.50e-05
1755	215	-8.53	6.00	-0.41	0.0	-1.54e-03	1.88e-04
1755	235	-1.21	9.09	-0.39	0.0	-2.18e-04	1.83e-04
1755	256	-0.36	0.10	-0.39	0.0	-8.80e-05	1.30e-05
1755	264	-0.52	0.04	-0.35	0.0	-1.10e-04	1.59e-05
1755	276	-0.08	0.62	-0.35	0.0	-3.68e-05	6.95e-06
1755	298	-0.08	0.12	-0.33	0.0	-3.87e-05	5.65e-06
1755	305	-0.17	0.10	-0.32	0.0	-5.06e-05	7.27e-06
1755	307	-0.08	0.21	-0.32	0.0	-3.60e-05	5.49e-06
1755	310	-0.08	0.11	-0.32	0.0	-3.67e-05	5.28e-06
1756	44	-0.61	-0.06	-0.54	0.0	-1.68e-04	1.42e-05
1756	52	-0.07	0.43	-0.61	0.0	-7.01e-05	2.44e-06
1756	68	-0.06	0.66	-0.55	0.0	-5.82e-05	2.29e-06
1756	116	-5.91	1.40	-0.42	0.0	-1.54e-03	4.07e-05
1756	119	-5.21	3.61	-0.47	0.0	-1.36e-03	1.16e-04
1756	139	-0.81	5.28	-0.46	0.0	-2.26e-04	1.05e-04
1756	148	-6.64	1.56	-0.43	0.0	-1.73e-03	4.48e-05
1756	151	-5.85	4.06	-0.48	0.0	-1.52e-03	1.30e-04
1756	171	-0.90	5.96	-0.48	0.0	-2.47e-04	1.17e-04
1756	180	-6.56	1.47	-0.43	0.0	-1.71e-03	3.88e-05
1756	203	-0.86	6.06	-0.48	0.0	-2.36e-04	1.16e-04
1756	212	-7.67	1.67	-0.44	0.0	-1.99e-03	4.32e-05
1756	235	-0.98	7.18	-0.50	0.0	-2.64e-04	1.36e-04
1756	264	-0.41	-0.04	-0.38	0.0	-1.14e-04	9.55e-06
1756	268	-0.05	0.29	-0.42	0.0	-4.87e-05	1.70e-06
1756	276	-0.04	0.44	-0.39	0.0	-4.07e-05	1.60e-06
1756	298	-0.04	0.03	-0.36	0.0	-4.23e-05	1.13e-06
1756	305	-0.11	0.01	-0.35	0.0	-5.41e-05	2.71e-06
1756	307	-0.04	0.11	-0.35	0.0	-3.94e-05	1.12e-06
1756	310	-0.04	0.03	-0.35	0.0	-4.01e-05	1.05e-06

1757	44	-0.70	-0.01	-0.58	0.0	-1.67e-04	1.43e-05
1757	52	-0.11	0.54	-0.64	0.0	-6.86e-05	1.80e-06
1757	68	-0.09	0.79	-0.58	0.0	-5.68e-05	1.82e-06
1757	116	-6.74	1.62	-0.45	0.0	-1.47e-03	4.99e-05
1757	119	-5.94	4.11	-0.49	0.0	-1.29e-03	1.36e-04
1757	139	-0.93	5.98	-0.49	0.0	-2.14e-04	1.21e-04
1757	148	-7.56	1.80	-0.46	0.0	-1.65e-03	5.51e-05
1757	151	-6.66	4.61	-0.51	0.0	-1.45e-03	1.53e-04
1757	171	-1.03	6.75	-0.50	0.0	-2.34e-04	1.36e-04
1757	180	-7.48	1.70	-0.46	0.0	-1.63e-03	4.86e-05
1757	183	-6.55	4.57	-0.51	0.0	-1.42e-03	1.48e-04
1757	203	-0.98	6.87	-0.50	0.0	-2.23e-04	1.35e-04
1757	212	-8.73	1.92	-0.47	0.0	-1.90e-03	5.46e-05
1757	215	-7.63	5.35	-0.53	0.0	-1.65e-03	1.73e-04
1757	235	-1.12	8.12	-0.53	0.0	-2.49e-04	1.59e-04
1757	264	-0.47	-4.60e-03	-0.40	0.0	-1.13e-04	9.56e-06
1757	268	-0.07	0.36	-0.45	0.0	-4.76e-05	1.25e-06
1757	276	-0.06	0.53	-0.41	0.0	-3.98e-05	1.27e-06
1757	298	-0.07	0.07	-0.38	0.0	-4.14e-05	0.0
1757	305	-0.14	0.05	-0.37	0.0	-5.33e-05	2.37e-06
1757	307	-0.06	0.16	-0.37	0.0	-3.86e-05	0.0
1757	310	-0.06	0.07	-0.37	0.0	-3.92e-05	0.0
1758	44	-0.79	0.05	-0.60	0.0	-1.65e-04	1.62e-05
1758	52	-0.14	0.66	-0.67	0.0	-6.57e-05	3.32e-06
1758	68	-0.12	0.93	-0.61	0.0	-5.44e-05	3.22e-06
1758	116	-7.50	1.84	-0.47	0.0	-1.36e-03	-1.97e-04
1758	119	-6.61	4.61	-0.52	0.0	-1.20e-03	-9.89e-05
1758	139	-1.04	6.70	-0.51	0.0	-1.96e-04	6.28e-05
1758	148	-8.42	2.04	-0.48	0.0	-1.53e-03	-2.21e-04
1758	151	-7.41	5.17	-0.53	0.0	-1.34e-03	-1.11e-04
1758	171	-1.15	7.56	-0.52	0.0	-2.14e-04	7.10e-05
1758	180	-8.32	1.92	-0.48	0.0	-1.51e-03	-2.19e-04
1758	183	-7.29	5.13	-0.53	0.0	-1.32e-03	-1.07e-04
1758	203	-1.10	7.68	-0.52	0.0	-2.04e-04	7.23e-05
1758	212	-9.72	2.17	-0.50	0.0	-1.76e-03	-2.59e-04
1758	215	-8.49	6.00	-0.56	0.0	-1.53e-03	-1.25e-04
1758	235	-1.25	9.08	-0.55	0.0	-2.27e-04	8.56e-05
1758	264	-0.53	0.04	-0.42	0.0	-1.12e-04	1.09e-05
1758	268	-0.10	0.45	-0.47	0.0	-4.56e-05	2.31e-06
1758	276	-0.08	0.62	-0.43	0.0	-3.81e-05	2.24e-06
1758	298	-0.09	0.12	-0.40	0.0	-3.98e-05	1.43e-06
1758	305	-0.17	0.09	-0.39	0.0	-5.17e-05	3.19e-06
1758	307	-0.08	0.21	-0.39	0.0	-3.70e-05	1.46e-06
1758	310	-0.08	0.11	-0.38	0.0	-3.77e-05	1.32e-06
1759	44	-0.62	-0.07	-0.73	0.0	-1.67e-04	6.82e-06
1759	52	-0.07	0.42	-0.83	0.0	-6.78e-05	-6.03e-06
1759	68	-0.06	0.66	-0.75	0.0	-5.62e-05	-5.20e-06
1759	116	-5.87	1.40	-0.61	0.0	-1.54e-03	4.29e-05
1759	139	-0.83	5.28	-0.70	0.0	-2.31e-04	9.58e-05
1759	148	-6.60	1.56	-0.63	0.0	-1.72e-03	4.71e-05
1759	171	-0.92	5.96	-0.73	0.0	-2.54e-04	1.08e-04
1759	180	-6.52	1.47	-0.62	0.0	-1.70e-03	3.59e-05
1759	203	-0.88	6.06	-0.74	0.0	-2.42e-04	1.04e-04
1759	212	-7.62	1.67	-0.65	0.0	-1.99e-03	3.96e-05
1759	235	-1.00	7.17	-0.79	0.0	-2.72e-04	1.22e-04
1759	264	-0.41	-0.04	-0.51	0.0	-1.13e-04	4.43e-06
1759	268	-0.05	0.28	-0.58	0.0	-4.71e-05	-4.13e-06
1759	276	-0.04	0.44	-0.53	0.0	-3.94e-05	-3.58e-06
1759	298	-0.04	0.03	-0.49	0.0	-4.09e-05	-3.48e-06
1759	305	-0.11	0.01	-0.47	0.0	-5.29e-05	-1.70e-06
1759	307	-0.04	0.11	-0.47	0.0	-3.81e-05	-3.31e-06
1759	310	-0.04	0.03	-0.47	0.0	-3.87e-05	-3.28e-06
1760	44	-0.71	-0.01	-0.76	0.0	-1.67e-04	3.43e-06
1760	52	-0.11	0.54	-0.85	0.0	-6.83e-05	-1.11e-05
1760	68	-0.09	0.79	-0.77	0.0	-5.67e-05	-9.45e-06
1760	116	-6.67	1.62	-0.63	0.0	-1.43e-03	5.08e-05
1760	119	-5.91	4.10	-0.71	0.0	-1.27e-03	1.35e-04
1760	139	-0.95	5.98	-0.71	0.0	-2.16e-04	1.13e-04
1760	148	-7.49	1.79	-0.64	0.0	-1.61e-03	5.69e-05
1760	151	-6.63	4.61	-0.74	0.0	-1.42e-03	1.52e-04
1760	171	-1.05	6.75	-0.73	0.0	-2.37e-04	1.27e-04
1760	180	-7.40	1.69	-0.64	0.0	-1.59e-03	5.01e-05
1760	203	-1.01	6.86	-0.74	0.0	-2.26e-04	1.25e-04
1760	212	-8.65	1.92	-0.66	0.0	-1.85e-03	5.74e-05
1760	235	-1.15	8.12	-0.78	0.0	-2.53e-04	1.48e-04

1760	264	-0.47	-6.07e-03	-0.53	0.0	-1.13e-04	2.06e-06
1760	268	-0.07	0.36	-0.59	0.0	-4.74e-05	-7.62e-06
1760	276	-0.06	0.53	-0.54	0.0	-3.97e-05	-6.53e-06
1760	298	-0.06	0.07	-0.50	0.0	-4.11e-05	-6.43e-06
1760	305	-0.14	0.05	-0.48	0.0	-5.31e-05	-4.35e-06
1760	307	-0.06	0.16	-0.48	0.0	-3.84e-05	-6.07e-06
1760	310	-0.06	0.07	-0.48	0.0	-3.90e-05	-6.06e-06
1761	44	-0.80	0.05	-0.77	0.0	-1.67e-04	3.43e-06
1761	52	-0.14	0.66	-0.87	0.0	-6.78e-05	-1.19e-05
1761	68	-0.12	0.93	-0.79	0.0	-5.63e-05	-1.01e-05
1761	116	-7.41	1.84	-0.64	0.0	-1.33e-03	-2.29e-04
1761	119	-6.56	4.61	-0.72	0.0	-1.17e-03	-1.32e-04
1761	139	-1.06	6.70	-0.71	0.0	-1.99e-04	4.43e-05
1761	148	-8.31	2.04	-0.66	0.0	-1.49e-03	-2.56e-04
1761	151	-7.35	5.17	-0.74	0.0	-1.31e-03	-1.47e-04
1761	171	-1.18	7.55	-0.73	0.0	-2.18e-04	5.11e-05
1761	180	-8.22	1.92	-0.65	0.0	-1.47e-03	-2.55e-04
1761	183	-7.23	5.13	-0.74	0.0	-1.29e-03	-1.43e-04
1761	203	-1.12	7.68	-0.74	0.0	-2.08e-04	5.20e-05
1761	212	-9.60	2.17	-0.68	0.0	-1.71e-03	-2.99e-04
1761	215	-8.42	6.00	-0.78	0.0	-1.49e-03	-1.66e-04
1761	235	-1.28	9.08	-0.78	0.0	-2.32e-04	6.29e-05
1761	264	-0.53	0.04	-0.54	0.0	-1.13e-04	2.04e-06
1761	268	-0.10	0.44	-0.61	0.0	-4.71e-05	-8.17e-06
1761	276	-0.08	0.62	-0.55	0.0	-3.94e-05	-6.96e-06
1761	298	-0.09	0.12	-0.51	0.0	-4.09e-05	-6.97e-06
1761	305	-0.17	0.09	-0.49	0.0	-5.28e-05	-4.76e-06
1761	307	-0.08	0.21	-0.49	0.0	-3.81e-05	-6.56e-06
1761	310	-0.08	0.11	-0.49	0.0	-3.87e-05	-6.58e-06
1762	28	-0.54	0.22	-0.35	0.0	-1.32e-04	2.49e-05
1762	44	-0.79	0.12	-0.33	0.0	-1.67e-04	3.11e-05
1762	68	-0.11	1.07	-0.25	0.0	-5.03e-05	1.31e-05
1762	116	-8.31	2.05	-0.40	0.0	-1.54e-03	8.31e-05
1762	139	-0.92	7.38	0.03	0.0	-1.61e-04	1.35e-04
1762	144	-3.38	-6.28	-0.52	0.0	-6.62e-04	-1.21e-05
1762	148	-9.33	2.27	-0.43	0.0	-1.72e-03	9.15e-05
1762	171	-1.02	8.32	0.06	0.0	-1.74e-04	1.51e-04
1762	176	-3.80	-7.12	-0.57	0.0	-7.41e-04	-1.47e-05
1762	180	-9.24	2.15	-0.43	0.0	-1.71e-03	8.37e-05
1762	203	-0.95	8.45	0.06	0.0	-1.61e-04	1.50e-04
1762	208	-3.79	-7.28	-0.57	0.0	-7.42e-04	-1.60e-05
1762	212	-10.81	2.42	-0.47	0.0	-1.99e-03	9.34e-05
1762	235	-1.07	9.99	0.12	0.0	-1.75e-04	1.74e-04
1762	240	-4.44	-8.68	-0.64	0.0	-8.65e-04	-2.12e-05
1762	256	-0.37	0.15	-0.24	0.0	-8.98e-05	1.67e-05
1762	264	-0.53	0.09	-0.23	0.0	-1.13e-04	2.08e-05
1762	276	-0.08	0.72	-0.18	0.0	-3.53e-05	8.87e-06
1762	298	-0.09	0.17	-0.21	0.0	-3.84e-05	6.33e-06
1762	305	-0.17	0.14	-0.20	0.0	-5.12e-05	8.65e-06
1762	307	-0.08	0.27	-0.19	0.0	-3.55e-05	6.26e-06
1762	310	-0.08	0.16	-0.20	0.0	-3.65e-05	5.83e-06
1763	28	-0.61	0.31	-0.36	0.0	-1.30e-04	4.00e-06
1763	44	-0.88	0.19	-0.35	0.0	-1.65e-04	4.50e-06
1763	68	-0.13	1.21	-0.26	0.0	-4.90e-05	4.76e-06
1763	116	-9.09	2.27	-0.42	0.0	-1.48e-03	-3.70e-04
1763	139	-1.01	8.05	0.03	0.0	-1.52e-04	7.70e-05
1763	144	-3.72	-6.78	-0.55	0.0	-6.42e-04	-1.76e-04
1763	148	-10.20	2.50	-0.45	0.0	-1.66e-03	-4.16e-04
1763	171	-1.11	9.07	0.06	0.0	-1.64e-04	8.75e-05
1763	176	-4.17	-7.69	-0.59	0.0	-7.19e-04	-1.98e-04
1763	180	-10.11	2.37	-0.45	0.0	-1.64e-03	-4.16e-04
1763	203	-1.03	9.22	0.07	0.0	-1.51e-04	9.12e-05
1763	208	-4.17	-7.87	-0.60	0.0	-7.20e-04	-2.00e-04
1763	212	-11.82	2.66	-0.50	0.0	-1.92e-03	-4.91e-04
1763	235	-1.16	10.89	0.12	0.0	-1.64e-04	1.09e-04
1763	240	-4.88	-9.39	-0.67	0.0	-8.39e-04	-2.37e-04
1763	256	-0.41	0.22	-0.26	0.0	-8.82e-05	2.45e-06
1763	264	-0.59	0.14	-0.25	0.0	-1.12e-04	2.77e-06
1763	276	-0.09	0.82	-0.19	0.0	-3.44e-05	2.95e-06
1763	298	-0.11	0.22	-0.21	0.0	-3.74e-05	0.0
1763	305	-0.20	0.19	-0.21	0.0	-5.00e-05	0.0
1763	307	-0.10	0.33	-0.20	0.0	-3.45e-05	0.0
1763	310	-0.10	0.21	-0.21	0.0	-3.55e-05	0.0
1764	28	-0.56	0.22	-0.40	0.0	-1.25e-04	2.64e-05
1764	44	-0.81	0.12	-0.37	0.0	-1.58e-04	3.24e-05

1764	68	-0.12	1.07	-0.32	0.0	-4.77e-05	1.43e-05
1764	116	-8.34	2.05	-0.35	0.0	-1.36e-03	4.89e-05
1764	139	-0.98	7.38	-0.11	0.0	-1.53e-04	1.30e-04
1764	144	-3.39	-6.28	-0.41	0.0	-5.87e-04	-2.29e-05
1764	148	-9.36	2.27	-0.37	0.0	-1.53e-03	5.29e-05
1764	171	-1.08	8.32	-0.09	0.0	-1.66e-04	1.46e-04
1764	176	-3.81	-7.12	-0.43	0.0	-6.57e-04	-2.70e-05
1764	180	-9.27	2.15	-0.37	0.0	-1.51e-03	4.49e-05
1764	203	-1.01	8.45	-0.09	0.0	-1.54e-04	1.44e-04
1764	208	-3.80	-7.28	-0.44	0.0	-6.58e-04	-2.82e-05
1764	212	-10.84	2.42	-0.39	0.0	-1.76e-03	4.79e-05
1764	235	-1.14	9.99	-0.06	0.0	-1.69e-04	1.68e-04
1764	240	-4.44	-8.68	-0.47	0.0	-7.66e-04	-3.57e-05
1764	256	-0.38	0.15	-0.28	0.0	-8.47e-05	1.79e-05
1764	264	-0.54	0.09	-0.26	0.0	-1.07e-04	2.18e-05
1764	276	-0.08	0.72	-0.23	0.0	-3.35e-05	9.80e-06
1764	298	-0.09	0.17	-0.24	0.0	-3.62e-05	7.53e-06
1764	305	-0.18	0.14	-0.23	0.0	-4.82e-05	9.78e-06
1764	307	-0.08	0.27	-0.23	0.0	-3.35e-05	7.37e-06
1764	310	-0.09	0.16	-0.23	0.0	-3.44e-05	7.00e-06
1765	28	-0.62	0.31	-0.42	0.0	-1.25e-04	1.96e-05
1765	44	-0.89	0.19	-0.39	0.0	-1.59e-04	2.37e-05
1765	68	-0.14	1.21	-0.34	0.0	-4.75e-05	1.18e-05
1765	116	-9.00	2.27	-0.37	0.0	-1.33e-03	2.84e-05
1765	139	-1.05	8.05	-0.11	0.0	-1.46e-04	1.56e-04
1765	144	-3.67	-6.78	-0.43	0.0	-5.79e-04	-7.74e-05
1765	148	-10.10	2.50	-0.38	0.0	-1.49e-03	3.02e-05
1765	171	-1.16	9.07	-0.10	0.0	-1.58e-04	1.75e-04
1765	176	-4.13	-7.69	-0.46	0.0	-6.48e-04	-8.82e-05
1765	180	-10.00	2.37	-0.39	0.0	-1.47e-03	2.34e-05
1765	203	-1.09	9.22	-0.09	0.0	-1.46e-04	1.75e-04
1765	208	-4.12	-7.87	-0.46	0.0	-6.49e-04	-9.00e-05
1765	212	-11.70	2.66	-0.41	0.0	-1.72e-03	2.38e-05
1765	235	-1.22	10.89	-0.06	0.0	-1.59e-04	2.05e-04
1765	240	-4.82	-9.39	-0.50	0.0	-7.56e-04	-1.08e-04
1765	256	-0.42	0.22	-0.29	0.0	-8.50e-05	1.32e-05
1765	264	-0.60	0.14	-0.27	0.0	-1.08e-04	1.59e-05
1765	276	-0.10	0.82	-0.24	0.0	-3.33e-05	8.00e-06
1765	298	-0.11	0.22	-0.25	0.0	-3.61e-05	5.50e-06
1765	305	-0.20	0.19	-0.24	0.0	-4.82e-05	7.10e-06
1765	307	-0.10	0.33	-0.24	0.0	-3.34e-05	5.52e-06
1765	310	-0.10	0.21	-0.24	0.0	-3.42e-05	5.07e-06
1766	28	-0.57	0.22	-0.45	0.0	-1.23e-04	2.65e-05
1766	44	-0.83	0.12	-0.41	0.0	-1.56e-04	3.19e-05
1766	68	-0.12	1.07	-0.38	0.0	-4.77e-05	1.48e-05
1766	116	-8.34	2.05	-0.33	0.0	-1.31e-03	2.40e-05
1766	139	-1.02	7.38	-0.21	0.0	-1.58e-04	1.32e-04
1766	144	-3.39	-6.28	-0.35	0.0	-5.66e-04	-4.04e-05
1766	148	-9.36	2.27	-0.34	0.0	-1.47e-03	2.49e-05
1766	171	-1.13	8.32	-0.20	0.0	-1.72e-04	1.47e-04
1766	176	-3.80	-7.12	-0.36	0.0	-6.33e-04	-4.67e-05
1766	180	-9.26	2.15	-0.34	0.0	-1.46e-03	1.69e-05
1766	203	-1.07	8.45	-0.20	0.0	-1.60e-04	1.46e-04
1766	208	-3.80	-7.29	-0.36	0.0	-6.33e-04	-4.80e-05
1766	212	-10.83	2.42	-0.36	0.0	-1.70e-03	1.54e-05
1766	235	-1.20	9.99	-0.18	0.0	-1.76e-04	1.70e-04
1766	240	-4.43	-8.68	-0.38	0.0	-7.37e-04	-5.91e-05
1766	256	-0.39	0.15	-0.31	0.0	-8.40e-05	1.80e-05
1766	264	-0.55	0.09	-0.29	0.0	-1.06e-04	2.16e-05
1766	276	-0.09	0.72	-0.27	0.0	-3.34e-05	1.02e-05
1766	298	-0.09	0.17	-0.27	0.0	-3.59e-05	8.14e-06
1766	305	-0.18	0.14	-0.26	0.0	-4.78e-05	1.02e-05
1766	307	-0.09	0.27	-0.26	0.0	-3.33e-05	7.94e-06
1766	310	-0.09	0.16	-0.26	0.0	-3.41e-05	7.61e-06
1767	28	-0.63	0.31	-0.47	0.0	-1.23e-04	2.52e-05
1767	44	-0.90	0.19	-0.43	0.0	-1.57e-04	3.04e-05
1767	68	-0.15	1.21	-0.40	0.0	-4.69e-05	1.45e-05
1767	116	-8.96	2.27	-0.35	0.0	-1.26e-03	2.34e-05
1767	139	-1.10	8.05	-0.22	0.0	-1.47e-04	1.48e-04
1767	144	-3.66	-6.78	-0.37	0.0	-5.50e-04	-5.90e-05
1767	148	-10.06	2.50	-0.36	0.0	-1.41e-03	2.43e-05
1767	171	-1.21	9.07	-0.21	0.0	-1.60e-04	1.66e-04
1767	176	-4.11	-7.69	-0.38	0.0	-6.16e-04	-6.77e-05
1767	180	-9.96	2.37	-0.36	0.0	-1.40e-03	1.67e-05
1767	203	-1.14	9.22	-0.20	0.0	-1.49e-04	1.65e-04

1767	208	-4.10	-7.87	-0.38	0.0	-6.16e-04	-6.92e-05
1767	212	-11.64	2.66	-0.38	0.0	-1.63e-03	1.54e-05
1767	235	-1.28	10.89	-0.19	0.0	-1.62e-04	1.93e-04
1767	240	-4.79	-9.39	-0.40	0.0	-7.17e-04	-8.42e-05
1767	256	-0.43	0.21	-0.33	0.0	-8.39e-05	1.71e-05
1767	264	-0.61	0.14	-0.30	0.0	-1.06e-04	2.06e-05
1767	276	-0.10	0.82	-0.28	0.0	-3.29e-05	9.98e-06
1767	298	-0.11	0.22	-0.28	0.0	-3.55e-05	7.70e-06
1767	305	-0.20	0.19	-0.27	0.0	-4.75e-05	9.68e-06
1767	307	-0.10	0.33	-0.27	0.0	-3.29e-05	7.56e-06
1767	310	-0.11	0.21	-0.27	0.0	-3.37e-05	7.18e-06
1768	28	-0.59	0.22	-0.50	0.0	-1.24e-04	2.50e-05
1768	44	-0.84	0.12	-0.46	0.0	-1.57e-04	2.98e-05
1768	68	-0.13	1.07	-0.44	0.0	-4.85e-05	1.43e-05
1768	116	-8.30	2.05	-0.35	0.0	-1.30e-03	3.25e-05
1768	139	-1.07	7.38	-0.29	0.0	-1.65e-04	1.42e-04
1768	148	-9.32	2.27	-0.36	0.0	-1.45e-03	3.45e-05
1768	171	-1.18	8.32	-0.29	0.0	-1.80e-04	1.59e-04
1768	180	-9.22	2.15	-0.36	0.0	-1.44e-03	2.76e-05
1768	203	-1.11	8.46	-0.29	0.0	-1.69e-04	1.58e-04
1768	212	-10.77	2.42	-0.37	0.0	-1.68e-03	2.84e-05
1768	235	-1.26	9.99	-0.29	0.0	-1.86e-04	1.85e-04
1768	256	-0.40	0.15	-0.35	0.0	-8.47e-05	1.70e-05
1768	264	-0.57	0.08	-0.32	0.0	-1.07e-04	2.02e-05
1768	276	-0.09	0.72	-0.31	0.0	-3.40e-05	9.87e-06
1768	298	-0.10	0.17	-0.30	0.0	-3.63e-05	8.03e-06
1768	305	-0.19	0.14	-0.29	0.0	-4.82e-05	9.87e-06
1768	307	-0.09	0.27	-0.29	0.0	-3.37e-05	7.81e-06
1768	310	-0.09	0.16	-0.29	0.0	-3.44e-05	7.51e-06
1769	28	-0.65	0.31	-0.53	0.0	-1.23e-04	2.56e-05
1769	44	-0.92	0.19	-0.48	0.0	-1.56e-04	3.05e-05
1769	68	-0.16	1.21	-0.46	0.0	-4.68e-05	1.47e-05
1769	116	-8.92	2.27	-0.37	0.0	-1.22e-03	3.72e-05
1769	139	-1.14	8.05	-0.30	0.0	-1.51e-04	1.57e-04
1769	148	-10.01	2.50	-0.38	0.0	-1.37e-03	3.98e-05
1769	171	-1.26	9.07	-0.30	0.0	-1.64e-04	1.76e-04
1769	180	-9.90	2.37	-0.38	0.0	-1.35e-03	3.29e-05
1769	203	-1.19	9.22	-0.30	0.0	-1.54e-04	1.75e-04
1769	212	-11.57	2.66	-0.39	0.0	-1.58e-03	3.46e-05
1769	235	-1.34	10.89	-0.30	0.0	-1.69e-04	2.05e-04
1769	256	-0.44	0.21	-0.37	0.0	-8.36e-05	1.74e-05
1769	264	-0.62	0.13	-0.34	0.0	-1.06e-04	2.07e-05
1769	276	-0.11	0.82	-0.33	0.0	-3.28e-05	1.02e-05
1769	298	-0.12	0.22	-0.32	0.0	-3.52e-05	8.12e-06
1769	305	-0.21	0.19	-0.31	0.0	-4.73e-05	1.00e-05
1769	307	-0.11	0.32	-0.30	0.0	-3.26e-05	7.93e-06
1769	310	-0.11	0.21	-0.31	0.0	-3.34e-05	7.59e-06
1770	28	-0.60	0.21	-0.58	0.0	-1.26e-04	2.15e-05
1770	44	-0.86	0.11	-0.52	0.0	-1.59e-04	2.60e-05
1770	68	-0.14	1.06	-0.52	0.0	-4.96e-05	1.18e-05
1770	116	-8.24	2.05	-0.40	0.0	-1.28e-03	-1.88e-04
1770	119	-7.22	5.09	-0.41	0.0	-1.11e-03	-8.21e-05
1770	139	-1.10	7.38	-0.39	0.0	-1.72e-04	8.08e-05
1770	148	-9.24	2.27	-0.40	0.0	-1.44e-03	-2.12e-04
1770	151	-8.09	5.71	-0.42	0.0	-1.25e-03	-9.25e-05
1770	171	-1.22	8.32	-0.39	0.0	-1.88e-04	9.07e-05
1770	180	-9.14	2.14	-0.40	0.0	-1.42e-03	-2.10e-04
1770	183	-7.96	5.66	-0.42	0.0	-1.23e-03	-8.83e-05
1770	203	-1.16	8.46	-0.39	0.0	-1.77e-04	9.24e-05
1770	212	-10.68	2.42	-0.41	0.0	-1.66e-03	-2.49e-04
1770	215	-9.27	6.61	-0.43	0.0	-1.43e-03	-1.04e-04
1770	235	-1.31	9.99	-0.40	0.0	-1.96e-04	1.08e-04
1770	256	-0.41	0.15	-0.40	0.0	-8.57e-05	1.46e-05
1770	264	-0.58	0.08	-0.37	0.0	-1.08e-04	1.76e-05
1770	276	-0.10	0.72	-0.36	0.0	-3.48e-05	8.20e-06
1770	298	-0.10	0.17	-0.35	0.0	-3.68e-05	6.67e-06
1770	305	-0.19	0.14	-0.33	0.0	-4.88e-05	8.37e-06
1770	307	-0.10	0.26	-0.33	0.0	-3.42e-05	6.49e-06
1770	310	-0.10	0.16	-0.33	0.0	-3.49e-05	6.24e-06
1771	28	-0.66	0.30	-0.61	0.0	-1.23e-04	2.31e-05
1771	44	-0.94	0.19	-0.55	0.0	-1.57e-04	2.77e-05
1771	68	-0.16	1.21	-0.54	0.0	-4.70e-05	1.30e-05
1771	116	-8.84	2.27	-0.42	0.0	-1.19e-03	-2.08e-04
1771	119	-7.74	5.57	-0.43	0.0	-1.03e-03	-9.27e-05
1771	139	-1.18	8.06	-0.40	0.0	-1.56e-04	8.78e-05

1771	148	-9.92	2.50	-0.42	0.0	-1.33e-03	-2.35e-04
1771	151	-8.68	6.24	-0.44	0.0	-1.16e-03	-1.04e-04
1771	171	-1.31	9.08	-0.41	0.0	-1.70e-04	9.85e-05
1771	180	-9.82	2.37	-0.42	0.0	-1.32e-03	-2.33e-04
1771	183	-8.54	6.20	-0.44	0.0	-1.14e-03	-1.00e-04
1771	203	-1.24	9.23	-0.41	0.0	-1.60e-04	1.00e-04
1771	212	-11.47	2.66	-0.44	0.0	-1.54e-03	-2.77e-04
1771	215	-9.94	7.23	-0.46	0.0	-1.32e-03	-1.19e-04
1771	235	-1.40	10.90	-0.42	0.0	-1.77e-04	1.18e-04
1771	256	-0.45	0.21	-0.42	0.0	-8.38e-05	1.57e-05
1771	264	-0.63	0.13	-0.39	0.0	-1.06e-04	1.88e-05
1771	276	-0.11	0.81	-0.38	0.0	-3.30e-05	9.01e-06
1771	298	-0.12	0.22	-0.36	0.0	-3.51e-05	7.26e-06
1771	305	-0.22	0.19	-0.35	0.0	-4.73e-05	9.03e-06
1771	307	-0.11	0.32	-0.35	0.0	-3.26e-05	7.08e-06
1771	310	-0.12	0.21	-0.35	0.0	-3.33e-05	6.79e-06
1772	44	-0.87	0.11	-0.63	0.0	-1.62e-04	1.92e-05
1772	52	-0.18	0.78	-0.70	0.0	-6.21e-05	6.17e-06
1772	68	-0.15	1.06	-0.63	0.0	-5.13e-05	5.76e-06
1772	116	-8.15	2.05	-0.49	0.0	-1.26e-03	-2.22e-04
1772	119	-7.18	5.09	-0.54	0.0	-1.10e-03	-1.14e-04
1772	139	-1.13	7.38	-0.52	0.0	-1.78e-04	6.98e-05
1772	148	-9.14	2.27	-0.50	0.0	-1.41e-03	-2.50e-04
1772	151	-8.05	5.71	-0.55	0.0	-1.23e-03	-1.28e-04
1772	171	-1.25	8.32	-0.54	0.0	-1.94e-04	7.87e-05
1772	180	-9.04	2.14	-0.50	0.0	-1.40e-03	-2.49e-04
1772	183	-7.92	5.66	-0.55	0.0	-1.21e-03	-1.24e-04
1772	203	-1.19	8.46	-0.54	0.0	-1.84e-04	8.02e-05
1772	212	-10.56	2.41	-0.52	0.0	-1.63e-03	-2.94e-04
1772	215	-9.22	6.61	-0.58	0.0	-1.41e-03	-1.46e-04
1772	235	-1.35	9.99	-0.57	0.0	-2.05e-04	9.48e-05
1772	264	-0.59	0.08	-0.44	0.0	-1.10e-04	1.30e-05
1772	268	-0.12	0.53	-0.49	0.0	-4.32e-05	4.27e-06
1772	276	-0.10	0.71	-0.44	0.0	-3.60e-05	4.00e-06
1772	298	-0.11	0.16	-0.42	0.0	-3.78e-05	2.95e-06
1772	305	-0.20	0.14	-0.40	0.0	-4.98e-05	4.71e-06
1772	307	-0.10	0.26	-0.40	0.0	-3.51e-05	2.92e-06
1772	310	-0.10	0.16	-0.40	0.0	-3.58e-05	2.74e-06
1773	44	-0.95	0.18	-0.65	0.0	-1.59e-04	2.24e-05
1773	52	-0.21	0.91	-0.73	0.0	-5.86e-05	9.37e-06
1773	68	-0.17	1.20	-0.66	0.0	-4.83e-05	8.61e-06
1773	116	-8.74	2.26	-0.51	0.0	-1.17e-03	-2.45e-04
1773	119	-7.69	5.57	-0.56	0.0	-1.02e-03	-1.28e-04
1773	139	-1.22	8.06	-0.54	0.0	-1.62e-04	7.69e-05
1773	148	-9.81	2.50	-0.52	0.0	-1.31e-03	-2.77e-04
1773	151	-8.63	6.24	-0.57	0.0	-1.14e-03	-1.44e-04
1773	171	-1.34	9.08	-0.56	0.0	-1.77e-04	8.65e-05
1773	180	-9.70	2.37	-0.52	0.0	-1.29e-03	-2.76e-04
1773	183	-8.49	6.20	-0.57	0.0	-1.12e-03	-1.40e-04
1773	203	-1.28	9.23	-0.56	0.0	-1.67e-04	8.83e-05
1773	212	-11.33	2.66	-0.54	0.0	-1.51e-03	-3.27e-04
1773	215	-9.88	7.23	-0.60	0.0	-1.30e-03	-1.65e-04
1773	235	-1.45	10.90	-0.58	0.0	-1.85e-04	1.04e-04
1773	264	-0.64	0.13	-0.46	0.0	-1.08e-04	1.52e-05
1773	268	-0.14	0.62	-0.51	0.0	-4.07e-05	6.49e-06
1773	276	-0.12	0.81	-0.46	0.0	-3.39e-05	5.98e-06
1773	298	-0.13	0.22	-0.43	0.0	-3.57e-05	4.66e-06
1773	305	-0.22	0.18	-0.42	0.0	-4.80e-05	6.41e-06
1773	307	-0.12	0.32	-0.42	0.0	-3.32e-05	4.56e-06
1773	310	-0.12	0.20	-0.41	0.0	-3.39e-05	4.34e-06
1774	44	-0.88	0.11	-0.79	0.0	-1.65e-04	6.94e-06
1774	52	-0.18	0.78	-0.89	0.0	-6.58e-05	-8.23e-06
1774	68	-0.15	1.06	-0.80	0.0	-5.46e-05	-6.84e-06
1774	116	-8.04	2.05	-0.65	0.0	-1.23e-03	-2.63e-04
1774	119	-7.11	5.09	-0.72	0.0	-1.08e-03	-1.55e-04
1774	139	-1.16	7.38	-0.71	0.0	-1.83e-04	5.00e-05
1774	148	-9.02	2.27	-0.67	0.0	-1.38e-03	-2.95e-04
1774	151	-7.98	5.71	-0.75	0.0	-1.21e-03	-1.74e-04
1774	171	-1.28	8.32	-0.74	0.0	-2.00e-04	5.73e-05
1774	180	-8.92	2.14	-0.66	0.0	-1.36e-03	-2.94e-04
1774	183	-7.85	5.66	-0.75	0.0	-1.19e-03	-1.70e-04
1774	203	-1.22	8.46	-0.74	0.0	-1.90e-04	5.84e-05
1774	212	-10.41	2.41	-0.69	0.0	-1.58e-03	-3.46e-04
1774	215	-9.14	6.61	-0.79	0.0	-1.38e-03	-1.98e-04
1774	235	-1.39	9.99	-0.78	0.0	-2.11e-04	7.04e-05

1774	264	-0.59	0.08	-0.55	0.0	-1.12e-04	4.47e-06
1774	268	-0.12	0.53	-0.62	0.0	-4.57e-05	-5.65e-06
1774	276	-0.10	0.71	-0.56	0.0	-3.83e-05	-4.72e-06
1774	298	-0.11	0.16	-0.52	0.0	-3.97e-05	-5.00e-06
1774	305	-0.20	0.13	-0.50	0.0	-5.18e-05	-2.83e-06
1774	307	-0.10	0.26	-0.50	0.0	-3.71e-05	-4.67e-06
1774	310	-0.10	0.15	-0.50	0.0	-3.77e-05	-4.73e-06
1775	44	-0.96	0.18	-0.81	0.0	-1.63e-04	1.30e-05
1775	52	-0.21	0.90	-0.90	0.0	-6.28e-05	-1.30e-06
1775	68	-0.17	1.20	-0.82	0.0	-5.20e-05	0.0
1775	116	-8.62	2.26	-0.66	0.0	-1.14e-03	-2.85e-04
1775	119	-7.62	5.58	-0.73	0.0	-1.00e-03	-1.67e-04
1775	139	-1.24	8.06	-0.72	0.0	-1.68e-04	5.96e-05
1775	148	-9.67	2.50	-0.68	0.0	-1.28e-03	-3.21e-04
1775	151	-8.55	6.25	-0.76	0.0	-1.12e-03	-1.87e-04
1775	171	-1.37	9.09	-0.74	0.0	-1.83e-04	6.77e-05
1775	180	-9.56	2.36	-0.68	0.0	-1.26e-03	-3.20e-04
1775	183	-8.41	6.20	-0.76	0.0	-1.10e-03	-1.84e-04
1775	203	-1.31	9.24	-0.74	0.0	-1.73e-04	6.92e-05
1775	212	-11.16	2.66	-0.70	0.0	-1.47e-03	-3.77e-04
1775	215	-9.79	7.23	-0.80	0.0	-1.28e-03	-2.15e-04
1775	235	-1.48	10.91	-0.78	0.0	-1.92e-04	8.27e-05
1775	264	-0.65	0.13	-0.57	0.0	-1.10e-04	8.69e-06
1775	268	-0.15	0.61	-0.63	0.0	-4.36e-05	0.0
1775	276	-0.12	0.81	-0.57	0.0	-3.65e-05	0.0
1775	298	-0.13	0.21	-0.53	0.0	-3.80e-05	-1.19e-06
1775	305	-0.22	0.18	-0.51	0.0	-5.02e-05	0.0
1775	307	-0.12	0.32	-0.51	0.0	-3.54e-05	-1.03e-06
1775	310	-0.12	0.20	-0.51	0.0	-3.60e-05	-1.16e-06
1776	28	-0.68	0.41	-0.39	0.0	-1.24e-04	6.59e-06
1776	44	-0.96	0.28	-0.37	0.0	-1.58e-04	7.48e-06
1776	68	-0.16	1.37	-0.28	0.0	-4.66e-05	6.88e-06
1776	116	-9.80	2.48	-0.45	0.0	-1.38e-03	-3.85e-04
1776	139	-1.08	8.72	0.02	0.0	-1.39e-04	8.44e-05
1776	144	-4.03	-7.26	-0.58	0.0	-6.02e-04	-1.81e-04
1776	148	-11.01	2.74	-0.47	0.0	-1.54e-03	-4.34e-04
1776	171	-1.19	9.81	0.06	0.0	-1.50e-04	9.57e-05
1776	176	-4.52	-8.24	-0.62	0.0	-6.74e-04	-2.04e-04
1776	180	-10.90	2.59	-0.48	0.0	-1.53e-03	-4.34e-04
1776	203	-1.11	9.98	0.07	0.0	-1.38e-04	9.95e-05
1776	208	-4.52	-8.43	-0.63	0.0	-6.75e-04	-2.06e-04
1776	212	-12.75	2.91	-0.53	0.0	-1.79e-03	-5.13e-04
1776	235	-1.23	11.77	0.12	0.0	-1.49e-04	1.19e-04
1776	240	-5.28	-10.07	-0.71	0.0	-7.87e-04	-2.45e-04
1776	256	-0.46	0.29	-0.27	0.0	-8.45e-05	4.33e-06
1776	264	-0.64	0.20	-0.26	0.0	-1.07e-04	4.93e-06
1776	276	-0.11	0.92	-0.20	0.0	-3.26e-05	4.52e-06
1776	298	-0.12	0.28	-0.23	0.0	-3.55e-05	1.63e-06
1776	305	-0.22	0.25	-0.23	0.0	-4.77e-05	2.04e-06
1776	307	-0.11	0.39	-0.22	0.0	-3.28e-05	1.96e-06
1776	310	-0.12	0.27	-0.22	0.0	-3.37e-05	1.39e-06
1777	28	-0.73	0.52	-0.42	-1.81e-04	-1.09e-04	2.13e-05
1777	44	-1.03	0.37	-0.40	-1.50e-04	-1.19e-04	2.67e-05
1777	68	-0.18	1.52	-0.31	-2.03e-04	-6.40e-05	1.30e-05
1777	116	-10.41	2.70	-0.47	4.81e-05	-7.95e-04	-2.55e-04
1777	139	-1.14	9.37	0.01	-3.25e-04	-8.86e-05	1.09e-04
1777	144	-4.30	-7.71	-0.61	1.89e-04	-3.69e-04	-1.21e-04
1777	148	-11.69	2.98	-0.50	6.79e-05	-8.88e-04	-2.88e-04
1777	171	-1.25	10.54	0.04	-3.54e-04	-9.28e-05	1.22e-04
1777	176	-4.83	-8.77	-0.66	2.27e-04	-4.10e-04	-1.38e-04
1777	180	-11.58	2.82	-0.50	7.14e-05	-8.80e-04	-2.88e-04
1777	203	-1.17	10.72	0.05	-3.62e-04	-8.48e-05	1.25e-04
1777	208	-4.82	-8.98	-0.66	2.34e-04	-4.11e-04	-1.40e-04
1777	212	-13.54	3.16	-0.55	1.05e-04	-1.02e-03	-3.42e-04
1777	235	-1.30	12.64	0.11	-4.11e-04	-8.75e-05	1.48e-04
1777	240	-5.64	-10.72	-0.74	2.97e-04	-4.76e-04	-1.68e-04
1777	256	-0.50	0.36	-0.30	-1.25e-04	-7.50e-05	1.44e-05
1777	264	-0.69	0.26	-0.28	-1.04e-04	-8.17e-05	1.81e-05
1777	276	-0.13	1.03	-0.22	-1.40e-04	-4.50e-05	8.94e-06
1777	298	-0.14	0.35	-0.25	-1.09e-04	-4.60e-05	5.55e-06
1777	305	-0.24	0.31	-0.25	-1.02e-04	-5.03e-05	7.60e-06
1777	307	-0.13	0.46	-0.24	-1.09e-04	-4.30e-05	5.77e-06
1777	310	-0.13	0.33	-0.24	-1.04e-04	-4.40e-05	5.13e-06
1778	28	-0.68	0.41	-0.45	0.0	-1.25e-04	1.82e-05
1778	44	-0.97	0.27	-0.42	0.0	-1.60e-04	2.21e-05

1778	68	-0.16	1.37	-0.36	0.0	-4.73e-05	1.14e-05
1778	116	-9.65	2.49	-0.39	0.0	-1.31e-03	-2.50e-04
1778	139	-1.12	8.72	-0.12	0.0	-1.41e-04	9.86e-05
1778	144	-3.96	-7.26	-0.46	0.0	-5.74e-04	-1.16e-04
1778	148	-10.84	2.74	-0.41	0.0	-1.46e-03	-2.82e-04
1778	171	-1.23	9.81	-0.11	0.0	-1.52e-04	1.11e-04
1778	176	-4.45	-8.24	-0.48	0.0	-6.43e-04	-1.32e-04
1778	180	-10.73	2.60	-0.41	0.0	-1.45e-03	-2.81e-04
1778	203	-1.16	9.98	-0.10	0.0	-1.40e-04	1.14e-04
1778	208	-4.44	-8.43	-0.49	0.0	-6.44e-04	-1.34e-04
1778	212	-12.54	2.91	-0.44	0.0	-1.69e-03	-3.34e-04
1778	235	-1.29	11.77	-0.07	0.0	-1.52e-04	1.34e-04
1778	240	-5.19	-10.07	-0.53	0.0	-7.50e-04	-1.61e-04
1778	256	-0.46	0.29	-0.31	0.0	-8.52e-05	1.23e-05
1778	264	-0.65	0.20	-0.29	0.0	-1.08e-04	1.49e-05
1778	276	-0.11	0.92	-0.26	0.0	-3.32e-05	7.78e-06
1778	298	-0.13	0.28	-0.27	0.0	-3.59e-05	5.12e-06
1778	305	-0.22	0.25	-0.26	0.0	-4.82e-05	6.63e-06
1778	307	-0.12	0.39	-0.25	0.0	-3.32e-05	5.21e-06
1778	310	-0.12	0.27	-0.26	0.0	-3.41e-05	4.72e-06
1779	28	-0.75	0.52	-0.50	-1.67e-04	-1.15e-04	2.22e-05
1779	44	-1.05	0.37	-0.47	-1.39e-04	-1.25e-04	2.76e-05
1779	68	-0.19	1.52	-0.41	-1.86e-04	-6.90e-05	1.31e-05
1779	116	-10.30	2.71	-0.43	2.07e-05	-8.73e-04	-2.60e-04
1779	139	-1.19	9.37	-0.15	-2.80e-04	-1.03e-04	1.05e-04
1779	144	-4.25	-7.72	-0.50	1.42e-04	-3.98e-04	-1.20e-04
1779	148	-11.56	2.98	-0.45	3.59e-05	-9.76e-04	-2.93e-04
1779	171	-1.31	10.54	-0.13	-3.04e-04	-1.09e-04	1.19e-04
1779	176	-4.77	-8.77	-0.53	1.73e-04	-4.43e-04	-1.36e-04
1779	180	-11.45	2.82	-0.45	3.89e-05	-9.66e-04	-2.93e-04
1779	203	-1.22	10.72	-0.12	-3.10e-04	-1.00e-04	1.21e-04
1779	208	-4.76	-8.98	-0.53	1.79e-04	-4.44e-04	-1.38e-04
1779	212	-13.38	3.17	-0.48	6.52e-05	-1.12e-03	-3.48e-04
1779	235	-1.37	12.64	-0.09	-3.51e-04	-1.05e-04	1.43e-04
1779	240	-5.56	-10.72	-0.58	2.30e-04	-5.14e-04	-1.66e-04
1779	256	-0.50	0.36	-0.35	-1.16e-04	-7.95e-05	1.51e-05
1779	264	-0.70	0.26	-0.33	-9.70e-05	-8.62e-05	1.87e-05
1779	276	-0.13	1.03	-0.29	-1.28e-04	-4.86e-05	9.01e-06
1779	298	-0.14	0.35	-0.30	-1.01e-04	-4.89e-05	6.27e-06
1779	305	-0.25	0.31	-0.29	-9.37e-05	-5.34e-05	8.27e-06
1779	307	-0.13	0.46	-0.29	-9.99e-05	-4.58e-05	6.33e-06
1779	310	-0.14	0.33	-0.29	-9.58e-05	-4.68e-05	5.83e-06
1780	28	-0.70	0.41	-0.51	0.0	-1.24e-04	2.37e-05
1780	44	-0.98	0.27	-0.46	0.0	-1.58e-04	2.88e-05
1780	68	-0.17	1.36	-0.43	0.0	-4.67e-05	1.38e-05
1780	116	-9.57	2.49	-0.38	0.0	-1.23e-03	-1.99e-04
1780	139	-1.17	8.72	-0.23	0.0	-1.41e-04	1.02e-04
1780	144	-3.93	-7.26	-0.39	0.0	-5.44e-04	-8.81e-05
1780	148	-10.74	2.74	-0.39	0.0	-1.38e-03	-2.25e-04
1780	171	-1.29	9.82	-0.22	0.0	-1.52e-04	1.14e-04
1780	176	-4.41	-8.24	-0.41	0.0	-6.08e-04	-1.00e-04
1780	180	-10.64	2.60	-0.39	0.0	-1.37e-03	-2.23e-04
1780	203	-1.21	9.98	-0.22	0.0	-1.41e-04	1.17e-04
1780	208	-4.40	-8.44	-0.41	0.0	-6.09e-04	-1.02e-04
1780	212	-12.43	2.91	-0.41	0.0	-1.60e-03	-2.66e-04
1780	235	-1.36	11.78	-0.21	0.0	-1.54e-04	1.37e-04
1780	240	-5.14	-10.07	-0.43	0.0	-7.09e-04	-1.23e-04
1780	256	-0.47	0.29	-0.35	0.0	-8.42e-05	1.61e-05
1780	264	-0.66	0.19	-0.33	0.0	-1.07e-04	1.95e-05
1780	276	-0.12	0.92	-0.30	0.0	-3.28e-05	9.49e-06
1780	298	-0.13	0.28	-0.30	0.0	-3.53e-05	7.06e-06
1780	305	-0.23	0.24	-0.29	0.0	-4.76e-05	9.00e-06
1780	307	-0.12	0.39	-0.29	0.0	-3.27e-05	7.00e-06
1780	310	-0.12	0.27	-0.29	0.0	-3.36e-05	6.57e-06
1781	28	-0.76	0.52	-0.57	-1.68e-04	-1.21e-04	2.23e-05
1781	44	-1.06	0.37	-0.52	-1.41e-04	-1.31e-04	2.75e-05
1781	68	-0.19	1.52	-0.49	-1.79e-04	-7.39e-05	1.28e-05
1781	116	-10.17	2.71	-0.42	-1.60e-05	-9.33e-04	-2.64e-04
1781	139	-1.23	9.37	-0.27	-2.45e-04	-1.18e-04	1.03e-04
1781	144	-4.20	-7.72	-0.44	8.88e-05	-4.19e-04	-1.19e-04
1781	148	-11.42	2.98	-0.43	-5.61e-06	-1.04e-03	-2.98e-04
1781	171	-1.36	10.55	-0.26	-2.65e-04	-1.25e-04	1.16e-04
1781	176	-4.71	-8.77	-0.45	1.13e-04	-4.66e-04	-1.36e-04
1781	180	-11.31	2.83	-0.43	-3.30e-06	-1.03e-03	-2.98e-04
1781	203	-1.28	10.72	-0.25	-2.70e-04	-1.16e-04	1.18e-04

1781	208	-4.70	-8.98	-0.45	1.17e-04	-4.67e-04	-1.38e-04
1781	212	-13.21	3.17	-0.45	1.50e-05	-1.20e-03	-3.53e-04
1781	235	-1.43	12.64	-0.24	-3.03e-04	-1.23e-04	1.40e-04
1781	240	-5.49	-10.73	-0.48	1.57e-04	-5.40e-04	-1.65e-04
1781	256	-0.51	0.36	-0.40	-1.16e-04	-8.35e-05	1.51e-05
1781	264	-0.71	0.26	-0.37	-9.86e-05	-9.03e-05	1.86e-05
1781	276	-0.14	1.03	-0.34	-1.24e-04	-5.20e-05	8.87e-06
1781	298	-0.15	0.35	-0.34	-9.99e-05	-5.17e-05	6.37e-06
1781	305	-0.25	0.31	-0.33	-9.36e-05	-5.62e-05	8.33e-06
1781	307	-0.14	0.46	-0.33	-9.87e-05	-4.85e-05	6.38e-06
1781	310	-0.14	0.33	-0.33	-9.51e-05	-4.95e-05	5.93e-06
1782	28	-0.71	0.41	-0.57	0.0	-1.22e-04	2.47e-05
1782	44	-1.00	0.27	-0.52	0.0	-1.56e-04	2.98e-05
1782	68	-0.18	1.36	-0.50	0.0	-4.57e-05	1.42e-05
1782	116	-9.50	2.49	-0.39	0.0	-1.17e-03	-2.09e-04
1782	139	-1.21	8.72	-0.32	0.0	-1.41e-04	9.98e-05
1782	148	-10.66	2.74	-0.40	0.0	-1.31e-03	-2.36e-04
1782	171	-1.34	9.82	-0.32	0.0	-1.53e-04	1.12e-04
1782	180	-10.55	2.60	-0.40	0.0	-1.29e-03	-2.35e-04
1782	203	-1.26	9.98	-0.32	0.0	-1.43e-04	1.14e-04
1782	212	-12.32	2.91	-0.42	0.0	-1.51e-03	-2.80e-04
1782	235	-1.42	11.78	-0.32	0.0	-1.56e-04	1.34e-04
1782	256	-0.48	0.28	-0.40	0.0	-8.31e-05	1.68e-05
1782	264	-0.67	0.19	-0.36	0.0	-1.06e-04	2.02e-05
1782	276	-0.12	0.92	-0.35	0.0	-3.21e-05	9.83e-06
1782	298	-0.13	0.28	-0.34	0.0	-3.45e-05	7.60e-06
1782	305	-0.23	0.24	-0.33	0.0	-4.67e-05	9.55e-06
1782	307	-0.12	0.39	-0.33	0.0	-3.20e-05	7.48e-06
1782	310	-0.13	0.26	-0.33	0.0	-3.28e-05	7.10e-06
1783	28	-0.77	0.52	-0.64	-1.86e-04	-1.25e-04	2.24e-05
1783	44	-1.08	0.37	-0.58	-1.60e-04	-1.35e-04	2.75e-05
1783	68	-0.20	1.52	-0.56	-1.89e-04	-7.72e-05	1.28e-05
1783	116	-10.05	2.71	-0.44	-4.22e-05	-9.52e-04	-2.66e-04
1783	139	-1.28	9.37	-0.36	-2.27e-04	-1.29e-04	1.02e-04
1783	148	-11.28	2.98	-0.45	-3.42e-05	-1.06e-03	-3.00e-04
1783	171	-1.41	10.55	-0.36	-2.43e-04	-1.37e-04	1.14e-04
1783	180	-11.17	2.83	-0.45	-3.34e-05	-1.05e-03	-3.00e-04
1783	203	-1.33	10.72	-0.36	-2.47e-04	-1.28e-04	1.17e-04
1783	212	-13.05	3.17	-0.46	-1.99e-05	-1.22e-03	-3.56e-04
1783	235	-1.49	12.65	-0.36	-2.74e-04	-1.37e-04	1.38e-04
1783	256	-0.52	0.36	-0.45	-1.29e-04	-8.59e-05	1.52e-05
1783	264	-0.72	0.26	-0.41	-1.11e-04	-9.27e-05	1.86e-05
1783	276	-0.14	1.03	-0.39	-1.31e-04	-5.44e-05	8.86e-06
1783	298	-0.15	0.35	-0.38	-1.10e-04	-5.34e-05	6.48e-06
1783	305	-0.26	0.31	-0.37	-1.04e-04	-5.79e-05	8.41e-06
1783	307	-0.14	0.46	-0.37	-1.07e-04	-5.02e-05	6.46e-06
1783	310	-0.14	0.33	-0.37	-1.04e-04	-5.12e-05	6.03e-06
1784	28	-0.72	0.40	-0.65	0.0	-1.21e-04	2.34e-05
1784	44	-1.01	0.27	-0.59	0.0	-1.56e-04	2.82e-05
1784	68	-0.19	1.36	-0.58	0.0	-4.52e-05	1.33e-05
1784	116	-9.40	2.49	-0.44	0.0	-1.13e-03	-2.37e-04
1784	119	-8.23	6.05	-0.46	0.0	-9.73e-04	-1.11e-04
1784	139	-1.26	8.72	-0.43	0.0	-1.45e-04	9.40e-05
1784	148	-10.55	2.74	-0.45	0.0	-1.26e-03	-2.68e-04
1784	151	-9.22	6.77	-0.47	0.0	-1.09e-03	-1.25e-04
1784	171	-1.38	9.82	-0.44	0.0	-1.57e-04	1.06e-04
1784	180	-10.44	2.60	-0.45	0.0	-1.25e-03	-2.67e-04
1784	183	-9.08	6.72	-0.47	0.0	-1.07e-03	-1.21e-04
1784	203	-1.31	9.99	-0.44	0.0	-1.47e-04	1.08e-04
1784	212	-12.19	2.91	-0.46	0.0	-1.45e-03	-3.17e-04
1784	215	-10.56	7.84	-0.48	0.0	-1.24e-03	-1.43e-04
1784	235	-1.48	11.79	-0.45	0.0	-1.62e-04	1.27e-04
1784	256	-0.49	0.28	-0.45	0.0	-8.25e-05	1.60e-05
1784	264	-0.68	0.19	-0.41	0.0	-1.05e-04	1.91e-05
1784	276	-0.13	0.92	-0.41	0.0	-3.18e-05	9.24e-06
1784	298	-0.14	0.28	-0.39	0.0	-3.40e-05	7.27e-06
1784	305	-0.24	0.24	-0.37	0.0	-4.62e-05	9.10e-06
1784	307	-0.13	0.39	-0.37	0.0	-3.15e-05	7.12e-06
1784	310	-0.13	0.26	-0.37	0.0	-3.23e-05	6.79e-06
1785	28	-0.78	0.52	-0.72	-2.25e-04	-1.27e-04	2.25e-05
1785	44	-1.09	0.37	-0.65	-1.95e-04	-1.37e-04	2.75e-05
1785	68	-0.21	1.52	-0.65	-2.18e-04	-7.95e-05	1.28e-05
1785	116	-9.93	2.71	-0.49	-1.57e-04	-9.45e-04	-2.68e-04
1785	119	-8.68	6.52	-0.51	-2.14e-04	-8.19e-04	-1.30e-04
1785	139	-1.32	9.38	-0.47	-2.55e-04	-1.35e-04	1.00e-04

1785	148	-11.14	2.98	-0.50	-1.61e-04	-1.06e-03	-3.03e-04
1785	151	-9.73	7.30	-0.52	-2.25e-04	-9.13e-04	-1.47e-04
1785	171	-1.46	10.55	-0.48	-2.72e-04	-1.44e-04	1.13e-04
1785	180	-11.03	2.83	-0.50	-1.58e-04	-1.04e-03	-3.02e-04
1785	183	-9.58	7.24	-0.51	-2.25e-04	-8.97e-04	-1.43e-04
1785	203	-1.38	10.72	-0.48	-2.75e-04	-1.36e-04	1.16e-04
1785	212	-12.88	3.17	-0.51	-1.63e-04	-1.21e-03	-3.59e-04
1785	215	-11.15	8.44	-0.53	-2.42e-04	-1.04e-03	-1.68e-04
1785	235	-1.55	12.65	-0.49	-3.03e-04	-1.46e-04	1.36e-04
1785	256	-0.53	0.36	-0.50	-1.56e-04	-8.75e-05	1.53e-05
1785	264	-0.73	0.26	-0.46	-1.36e-04	-9.41e-05	1.87e-05
1785	276	-0.15	1.03	-0.45	-1.52e-04	-5.60e-05	8.88e-06
1785	298	-0.15	0.35	-0.43	-1.31e-04	-5.46e-05	6.59e-06
1785	305	-0.26	0.31	-0.42	-1.24e-04	-5.90e-05	8.50e-06
1785	307	-0.14	0.46	-0.42	-1.27e-04	-5.14e-05	6.55e-06
1785	310	-0.15	0.33	-0.41	-1.25e-04	-5.23e-05	6.14e-06
1786	44	-1.03	0.26	-0.69	0.0	-1.57e-04	2.50e-05
1786	52	-0.23	1.05	-0.76	0.0	-5.58e-05	1.20e-05
1786	68	-0.19	1.36	-0.69	0.0	-4.60e-05	1.10e-05
1786	116	-9.29	2.48	-0.54	0.0	-1.10e-03	-2.68e-04
1786	119	-8.17	6.05	-0.58	0.0	-9.62e-04	-1.41e-04
1786	139	-1.29	8.73	-0.56	0.0	-1.52e-04	8.39e-05
1786	148	-10.42	2.74	-0.55	0.0	-1.24e-03	-3.03e-04
1786	151	-9.16	6.78	-0.60	0.0	-1.08e-03	-1.59e-04
1786	171	-1.42	9.83	-0.58	0.0	-1.65e-04	9.43e-05
1786	180	-10.31	2.60	-0.55	0.0	-1.22e-03	-3.02e-04
1786	183	-9.01	6.73	-0.60	0.0	-1.06e-03	-1.55e-04
1786	203	-1.36	9.99	-0.58	0.0	-1.56e-04	9.63e-05
1786	212	-12.04	2.91	-0.56	0.0	-1.42e-03	-3.58e-04
1786	215	-10.49	7.84	-0.62	0.0	-1.23e-03	-1.82e-04
1786	235	-1.53	11.79	-0.61	0.0	-1.72e-04	1.14e-04
1786	264	-0.69	0.19	-0.48	0.0	-1.06e-04	1.70e-05
1786	268	-0.16	0.71	-0.53	0.0	-3.88e-05	8.30e-06
1786	276	-0.14	0.92	-0.48	0.0	-3.23e-05	7.62e-06
1786	298	-0.14	0.28	-0.45	0.0	-3.42e-05	6.03e-06
1786	305	-0.24	0.24	-0.44	0.0	-4.65e-05	7.77e-06
1786	307	-0.13	0.38	-0.44	0.0	-3.18e-05	5.89e-06
1786	310	-0.13	0.26	-0.44	0.0	-3.24e-05	5.63e-06
1787	44	-1.11	0.37	-0.75	-2.49e-04	-1.38e-04	2.65e-05
1787	52	-0.26	1.22	-0.83	-2.98e-04	-9.44e-05	1.35e-05
1787	68	-0.21	1.53	-0.75	-2.67e-04	-8.12e-05	1.24e-05
1787	116	-9.81	2.71	-0.58	-2.23e-04	-9.25e-04	-2.90e-04
1787	119	-8.62	6.53	-0.62	-2.73e-04	-8.06e-04	-1.53e-04
1787	139	-1.36	9.38	-0.60	-2.84e-04	-1.40e-04	8.99e-05
1787	148	-11.00	2.99	-0.59	-2.31e-04	-1.03e-03	-3.27e-04
1787	151	-9.66	7.30	-0.64	-2.87e-04	-8.98e-04	-1.73e-04
1787	171	-1.50	10.55	-0.62	-3.00e-04	-1.49e-04	1.01e-04
1787	180	-10.88	2.83	-0.59	-2.28e-04	-1.02e-03	-3.26e-04
1787	183	-9.51	7.25	-0.64	-2.86e-04	-8.82e-04	-1.69e-04
1787	203	-1.43	10.73	-0.62	-3.03e-04	-1.41e-04	1.03e-04
1787	212	-12.71	3.17	-0.61	-2.39e-04	-1.19e-03	-3.87e-04
1787	215	-11.07	8.44	-0.67	-3.08e-04	-1.02e-03	-1.98e-04
1787	235	-1.61	12.65	-0.65	-3.29e-04	-1.52e-04	1.22e-04
1787	264	-0.75	0.26	-0.53	-1.74e-04	-9.49e-05	1.80e-05
1787	268	-0.18	0.83	-0.58	-2.06e-04	-6.59e-05	9.34e-06
1787	276	-0.15	1.03	-0.53	-1.86e-04	-5.72e-05	8.60e-06
1787	298	-0.16	0.35	-0.49	-1.65e-04	-5.56e-05	6.76e-06
1787	305	-0.27	0.31	-0.48	-1.57e-04	-5.99e-05	8.50e-06
1787	307	-0.15	0.46	-0.48	-1.59e-04	-5.24e-05	6.62e-06
1787	310	-0.15	0.33	-0.48	-1.57e-04	-5.32e-05	6.31e-06
1788	44	-1.04	0.26	-0.83	0.0	-1.60e-04	1.97e-05
1788	52	-0.24	1.05	-0.93	0.0	-5.97e-05	6.48e-06
1788	68	-0.20	1.35	-0.84	0.0	-4.94e-05	6.01e-06
1788	116	-9.15	2.48	-0.68	0.0	-1.08e-03	-2.99e-04
1788	119	-8.09	6.06	-0.75	0.0	-9.45e-04	-1.72e-04
1788	139	-1.32	8.74	-0.73	0.0	-1.56e-04	7.09e-05
1788	148	-10.27	2.74	-0.70	0.0	-1.21e-03	-3.37e-04
1788	151	-9.07	6.78	-0.77	0.0	-1.06e-03	-1.93e-04
1788	171	-1.46	9.84	-0.75	0.0	-1.70e-04	8.00e-05
1788	180	-10.15	2.59	-0.69	0.0	-1.19e-03	-3.36e-04
1788	183	-8.93	6.73	-0.77	0.0	-1.04e-03	-1.89e-04
1788	203	-1.39	10.00	-0.75	0.0	-1.61e-04	8.19e-05
1788	212	-11.85	2.91	-0.72	0.0	-1.39e-03	-3.97e-04
1788	215	-10.39	7.85	-0.81	0.0	-1.20e-03	-2.22e-04
1788	235	-1.57	11.81	-0.79	0.0	-1.78e-04	9.70e-05

1788	264	-0.70	0.18	-0.58	0.0	-1.08e-04	1.33e-05
1788	268	-0.17	0.71	-0.65	0.0	-4.15e-05	4.51e-06
1788	276	-0.14	0.91	-0.59	0.0	-3.46e-05	4.19e-06
1788	298	-0.15	0.27	-0.55	0.0	-3.63e-05	3.10e-06
1788	305	-0.25	0.24	-0.53	0.0	-4.86e-05	4.88e-06
1788	307	-0.14	0.38	-0.53	0.0	-3.38e-05	3.05e-06
1788	310	-0.14	0.26	-0.53	0.0	-3.44e-05	2.87e-06
1789	44	-1.12	0.37	-0.87	-3.27e-04	-1.39e-04	2.55e-05
1789	52	-0.27	1.22	-0.97	-3.87e-04	-9.63e-05	1.33e-05
1789	68	-0.22	1.52	-0.88	-3.40e-04	-8.28e-05	1.19e-05
1789	116	-9.66	2.71	-0.71	-3.03e-04	-9.08e-04	-3.12e-04
1789	119	-8.53	6.53	-0.77	-3.47e-04	-7.97e-04	-1.77e-04
1789	139	-1.39	9.38	-0.75	-3.30e-04	-1.47e-04	7.97e-05
1789	148	-10.84	2.99	-0.73	-3.15e-04	-1.01e-03	-3.52e-04
1789	151	-9.56	7.30	-0.80	-3.64e-04	-8.88e-04	-1.99e-04
1789	171	-1.53	10.55	-0.77	-3.46e-04	-1.58e-04	8.95e-05
1789	180	-10.71	2.83	-0.72	-3.12e-04	-1.00e-03	-3.51e-04
1789	183	-9.41	7.25	-0.80	-3.62e-04	-8.73e-04	-1.95e-04
1789	203	-1.46	10.73	-0.77	-3.47e-04	-1.50e-04	9.16e-05
1789	212	-12.51	3.17	-0.75	-3.29e-04	-1.16e-03	-4.15e-04
1789	215	-10.95	8.44	-0.84	-3.89e-04	-1.01e-03	-2.29e-04
1789	235	-1.65	12.65	-0.81	-3.73e-04	-1.63e-04	1.08e-04
1789	264	-0.75	0.26	-0.61	-2.28e-04	-9.59e-05	1.73e-05
1789	268	-0.19	0.83	-0.68	-2.68e-04	-6.73e-05	9.21e-06
1789	276	-0.15	1.03	-0.62	-2.37e-04	-5.82e-05	8.29e-06
1789	298	-0.16	0.35	-0.57	-2.16e-04	-5.66e-05	6.88e-06
1789	305	-0.27	0.31	-0.55	-2.04e-04	-6.09e-05	8.46e-06
1789	307	-0.15	0.46	-0.56	-2.06e-04	-5.33e-05	6.65e-06
1789	310	-0.15	0.33	-0.55	-2.04e-04	-5.41e-05	6.42e-06
1790	44	-0.62	-0.07	-0.98	0.0	-1.61e-04	-1.35e-06
1790	52	-0.06	0.42	-1.10	0.0	-5.94e-05	-1.57e-05
1790	68	-0.05	0.66	-0.99	0.0	-4.91e-05	-1.37e-05
1790	116	-5.86	1.40	-0.83	0.0	-1.38e-03	4.58e-05
1790	119	-5.21	3.60	-0.92	0.0	-1.22e-03	1.15e-04
1790	139	-0.85	5.27	-0.88	0.0	-2.09e-04	8.86e-05
1790	148	-6.58	1.56	-0.86	0.0	-1.55e-03	5.09e-05
1790	151	-5.85	4.05	-0.95	0.0	-1.37e-03	1.29e-04
1790	171	-0.94	5.95	-0.91	0.0	-2.29e-04	1.00e-04
1790	180	-6.50	1.47	-0.85	0.0	-1.53e-03	3.83e-05
1790	183	-5.75	4.02	-0.95	0.0	-1.35e-03	1.17e-04
1790	203	-0.90	6.05	-0.91	0.0	-2.18e-04	9.57e-05
1790	212	-7.59	1.67	-0.89	0.0	-1.78e-03	4.32e-05
1790	215	-6.70	4.70	-1.01	0.0	-1.56e-03	1.37e-04
1790	235	-1.03	7.17	-0.97	0.0	-2.45e-04	1.13e-04
1790	264	-0.41	-0.05	-0.68	0.0	-1.09e-04	-1.23e-06
1790	268	-0.04	0.28	-0.76	0.0	-4.13e-05	-1.08e-05
1790	276	-0.04	0.44	-0.70	0.0	-3.45e-05	-9.45e-06
1790	298	-0.04	0.03	-0.64	0.0	-3.60e-05	-8.78e-06
1790	305	-0.11	0.01	-0.62	0.0	-4.85e-05	-6.73e-06
1790	307	-0.04	0.11	-0.62	0.0	-3.36e-05	-8.37e-06
1790	310	-0.04	0.03	-0.62	0.0	-3.42e-05	-8.27e-06
1791	44	-0.53	-0.12	-0.99	-2.16e-04	-1.58e-04	9.33e-06
1791	52	-0.03	0.32	-1.11	-2.42e-04	-5.57e-05	-1.38e-06
1791	71	-0.02	0.54	-0.73	-1.60e-04	-3.34e-05	-1.30e-06
1791	116	-5.11	1.20	-0.83	-2.23e-04	-1.37e-03	2.12e-04
1791	119	-4.55	3.13	-0.92	-2.41e-04	-1.21e-03	2.66e-04
1791	138	0.70	-4.61	-0.36	-6.32e-05	1.40e-04	-1.30e-04
1791	148	-5.74	1.34	-0.86	-2.34e-04	-1.53e-03	2.36e-04
1791	151	-5.10	3.52	-0.96	-2.55e-04	-1.35e-03	2.97e-04
1791	170	0.78	-5.20	-0.33	-5.47e-05	1.60e-04	-1.46e-04
1791	180	-5.66	1.26	-0.85	-2.32e-04	-1.51e-03	2.15e-04
1791	183	-5.02	3.49	-0.96	-2.53e-04	-1.33e-03	2.76e-04
1791	202	0.74	-5.29	-0.33	-5.49e-05	1.50e-04	-1.38e-04
1791	212	-6.62	1.43	-0.89	-2.49e-04	-1.76e-03	2.48e-04
1791	215	-5.85	4.09	-1.01	-2.73e-04	-1.55e-03	3.20e-04
1791	234	0.86	-6.27	-0.27	-4.16e-05	1.76e-04	-1.60e-04
1791	264	-0.36	-0.08	-0.69	-1.51e-04	-1.07e-04	6.22e-06
1791	268	-0.02	0.21	-0.77	-1.69e-04	-3.88e-05	0.0
1791	275	-0.02	0.36	-0.67	-1.43e-04	-3.08e-05	-1.06e-06
1791	298	-0.02	-6.10e-03	-0.65	-1.37e-04	-3.40e-05	0.0
1791	305	-0.09	-0.02	-0.62	-1.32e-04	-4.66e-05	0.0
1791	307	-0.02	0.07	-0.63	-1.32e-04	-3.16e-05	0.0
1791	309	-0.01	-8.67e-03	-0.46	-9.34e-05	-2.18e-05	0.0
1791	310	-0.02	-6.46e-03	-0.62	-1.31e-04	-3.22e-05	0.0
1792	44	-0.71	-0.02	-0.97	0.0	-1.65e-04	-1.05e-05

1792	52	-0.10	0.53	-1.09	0.0	-6.41e-05	-2.80e-05
1792	68	-0.08	0.78	-0.99	0.0	-5.32e-05	-2.42e-05
1792	116	-6.60	1.61	-0.83	0.0	-1.34e-03	-2.11e-04
1792	119	-5.87	4.10	-0.91	0.0	-1.19e-03	-1.28e-04
1792	139	-0.96	5.98	-0.87	0.0	-2.06e-04	2.31e-05
1792	148	-7.41	1.79	-0.85	0.0	-1.50e-03	-2.36e-04
1792	151	-6.58	4.60	-0.95	0.0	-1.33e-03	-1.42e-04
1792	171	-1.07	6.75	-0.90	0.0	-2.25e-04	2.81e-05
1792	180	-7.32	1.69	-0.85	0.0	-1.49e-03	-2.33e-04
1792	183	-6.47	4.57	-0.95	0.0	-1.31e-03	-1.38e-04
1792	203	-1.02	6.86	-0.91	0.0	-2.15e-04	2.83e-05
1792	212	-8.55	1.91	-0.88	0.0	-1.73e-03	-2.73e-04
1792	215	-7.54	5.34	-1.00	0.0	-1.52e-03	-1.59e-04
1792	235	-1.16	8.12	-0.96	0.0	-2.41e-04	3.62e-05
1792	264	-0.47	-8.28e-03	-0.68	0.0	-1.12e-04	-7.63e-06
1792	268	-0.07	0.36	-0.76	0.0	-4.46e-05	-1.93e-05
1792	276	-0.06	0.53	-0.69	0.0	-3.73e-05	-1.68e-05
1792	298	-0.06	0.07	-0.64	0.0	-3.87e-05	-1.58e-05
1792	305	-0.14	0.05	-0.62	0.0	-5.10e-05	-1.32e-05
1792	307	-0.06	0.16	-0.62	0.0	-3.61e-05	-1.50e-05
1792	310	-0.06	0.07	-0.61	0.0	-3.67e-05	-1.49e-05
1793	44	-0.79	0.04	-0.97	0.0	-1.68e-04	-1.50e-05
1793	52	-0.13	0.65	-1.09	0.0	-6.88e-05	-3.45e-05
1793	68	-0.11	0.92	-0.99	0.0	-5.73e-05	-2.97e-05
1793	116	-7.30	1.83	-0.82	0.0	-1.27e-03	-2.76e-04
1793	119	-6.49	4.61	-0.91	0.0	-1.13e-03	-1.81e-04
1793	139	-1.07	6.70	-0.87	0.0	-1.98e-04	1.61e-05
1793	148	-8.19	2.03	-0.85	0.0	-1.42e-03	-3.08e-04
1793	151	-7.28	5.17	-0.95	0.0	-1.26e-03	-2.01e-04
1793	171	-1.18	7.55	-0.90	0.0	-2.16e-04	2.07e-05
1793	180	-8.09	1.92	-0.84	0.0	-1.41e-03	-3.06e-04
1793	183	-7.16	5.13	-0.94	0.0	-1.24e-03	-1.97e-04
1793	203	-1.13	7.68	-0.90	0.0	-2.07e-04	2.09e-05
1793	212	-9.45	2.17	-0.88	0.0	-1.64e-03	-3.58e-04
1793	215	-8.33	5.99	-1.00	0.0	-1.44e-03	-2.28e-04
1793	235	-1.29	9.08	-0.95	0.0	-2.31e-04	2.83e-05
1793	264	-0.53	0.03	-0.68	0.0	-1.14e-04	-1.08e-05
1793	268	-0.09	0.44	-0.76	0.0	-4.78e-05	-2.37e-05
1793	276	-0.08	0.62	-0.69	0.0	-4.01e-05	-2.06e-05
1793	298	-0.08	0.11	-0.64	0.0	-4.14e-05	-1.95e-05
1793	305	-0.17	0.09	-0.61	0.0	-5.34e-05	-1.65e-05
1793	307	-0.08	0.21	-0.62	0.0	-3.86e-05	-1.85e-05
1793	310	-0.08	0.11	-0.61	0.0	-3.92e-05	-1.84e-05
1794	44	-0.62	-0.07	-1.13	0.0	-1.50e-04	-9.02e-06
1794	52	-0.05	0.42	-1.27	0.0	-4.45e-05	-2.48e-05
1794	68	-0.04	0.65	-1.14	0.0	-3.64e-05	-2.18e-05
1794	116	-5.83	1.40	-0.99	0.0	-1.26e-03	-1.82e-04
1794	119	-5.21	3.60	-1.08	0.0	-1.12e-03	-1.11e-04
1794	139	-0.86	5.27	-1.00	0.0	-1.85e-04	1.83e-05
1794	148	-6.54	1.55	-1.02	0.0	-1.42e-03	-2.03e-04
1794	151	-5.84	4.04	-1.13	0.0	-1.25e-03	-1.22e-04
1794	171	-0.95	5.95	-1.04	0.0	-2.04e-04	2.24e-05
1794	180	-6.46	1.46	-1.01	0.0	-1.40e-03	-2.01e-04
1794	183	-5.74	4.01	-1.12	0.0	-1.23e-03	-1.19e-04
1794	203	-0.91	6.05	-1.04	0.0	-1.94e-04	2.24e-05
1794	212	-7.55	1.66	-1.06	0.0	-1.63e-03	-2.34e-04
1794	215	-6.69	4.70	-1.19	0.0	-1.43e-03	-1.37e-04
1794	235	-1.05	7.16	-1.10	0.0	-2.18e-04	2.87e-05
1794	264	-0.41	-0.05	-0.79	0.0	-1.01e-04	-6.56e-06
1794	268	-0.04	0.28	-0.88	0.0	-3.10e-05	-1.71e-05
1794	276	-0.03	0.43	-0.80	0.0	-2.56e-05	-1.51e-05
1794	298	-0.03	0.03	-0.74	0.0	-2.76e-05	-1.38e-05
1794	305	-0.11	9.34e-03	-0.71	0.0	-4.07e-05	-1.15e-05
1794	307	-0.03	0.11	-0.71	0.0	-2.56e-05	-1.32e-05
1794	310	-0.03	0.02	-0.71	0.0	-2.63e-05	-1.30e-05
1795	44	-0.54	-0.12	-1.14	-9.78e-05	-1.46e-04	1.01e-05
1795	52	-0.03	0.32	-1.28	-1.08e-04	-3.98e-05	0.0
1795	71	-0.02	0.54	-0.84	-7.19e-05	-2.27e-05	0.0
1795	116	-5.17	1.20	-1.00	-1.31e-04	-1.27e-03	5.08e-05
1795	119	-4.63	3.13	-1.09	-1.41e-04	-1.13e-03	1.11e-04
1795	138	0.73	-4.61	-0.42	-1.23e-05	1.36e-04	-8.62e-05
1795	148	-5.81	1.34	-1.03	-1.40e-04	-1.43e-03	5.56e-05
1795	151	-5.19	3.52	-1.14	-1.51e-04	-1.26e-03	1.24e-04
1795	170	0.81	-5.21	-0.39	-7.02e-06	1.54e-04	-9.67e-05
1795	180	-5.73	1.26	-1.02	-1.39e-04	-1.41e-03	4.39e-05

1795	183	-5.10	3.49	-1.13	-1.49e-04	-1.24e-03	1.13e-04
1795	202	0.78	-5.29	-0.38	-7.68e-06	1.44e-04	-9.25e-05
1795	212	-6.70	1.43	-1.07	-1.52e-04	-1.64e-03	4.85e-05
1795	215	-5.95	4.10	-1.20	-1.65e-04	-1.44e-03	1.30e-04
1795	234	0.90	-6.27	-0.32	0.0	1.68e-04	-1.08e-04
1795	264	-0.36	-0.08	-0.80	-6.83e-05	-9.86e-05	6.75e-06
1795	268	-0.02	0.21	-0.89	-7.53e-05	-2.78e-05	0.0
1795	275	-0.02	0.36	-0.77	-6.15e-05	-2.16e-05	0.0
1795	298	-0.02	-5.73e-03	-0.75	-5.84e-05	-2.50e-05	0.0
1795	305	-0.09	-0.02	-0.72	-5.61e-05	-3.83e-05	1.30e-06
1795	307	-0.02	0.07	-0.72	-5.58e-05	-2.31e-05	0.0
1795	309	-0.01	-8.34e-03	-0.53	-3.56e-05	-1.65e-05	0.0
1795	310	-0.02	-6.10e-03	-0.72	-5.52e-05	-2.38e-05	0.0
1796	44	-0.70	-0.02	-1.12	0.0	-1.57e-04	-2.65e-05
1796	52	-0.08	0.53	-1.25	0.0	-5.34e-05	-4.75e-05
1796	68	-0.06	0.78	-1.13	0.0	-4.40e-05	-4.13e-05
1796	116	-6.50	1.61	-0.98	0.0	-1.25e-03	-2.79e-04
1796	119	-5.80	4.09	-1.07	0.0	-1.11e-03	-1.96e-04
1796	139	-0.96	5.97	-0.99	0.0	-1.90e-04	-7.07e-06
1796	148	-7.30	1.79	-1.01	0.0	-1.40e-03	-3.11e-04
1796	151	-6.51	4.60	-1.12	0.0	-1.24e-03	-2.17e-04
1796	171	-1.06	6.74	-1.03	0.0	-2.08e-04	-4.63e-06
1796	180	-7.20	1.69	-1.01	0.0	-1.38e-03	-3.09e-04
1796	183	-6.40	4.56	-1.11	0.0	-1.22e-03	-2.14e-04
1796	203	-1.02	6.85	-1.03	0.0	-1.99e-04	-5.03e-06
1796	212	-8.41	1.91	-1.06	0.0	-1.61e-03	-3.59e-04
1796	215	-7.45	5.34	-1.18	0.0	-1.42e-03	-2.46e-04
1796	235	-1.16	8.11	-1.09	0.0	-2.23e-04	-1.26e-06
1796	264	-0.47	-0.01	-0.78	0.0	-1.06e-04	-1.87e-05
1796	268	-0.05	0.35	-0.87	0.0	-3.72e-05	-3.27e-05
1796	276	-0.04	0.52	-0.79	0.0	-3.09e-05	-2.86e-05
1796	298	-0.05	0.07	-0.73	0.0	-3.26e-05	-2.66e-05
1796	305	-0.13	0.05	-0.70	0.0	-4.54e-05	-2.33e-05
1796	307	-0.04	0.15	-0.71	0.0	-3.03e-05	-2.53e-05
1796	310	-0.05	0.06	-0.70	0.0	-3.10e-05	-2.50e-05
1797	44	-0.78	0.04	-1.11	0.0	-1.67e-04	-3.86e-05
1797	52	-0.11	0.65	-1.25	0.0	-6.61e-05	-6.36e-05
1797	68	-0.09	0.92	-1.13	0.0	-5.50e-05	-5.51e-05
1797	116	-7.16	1.83	-0.97	0.0	-1.22e-03	-3.44e-04
1797	119	-6.39	4.60	-1.07	0.0	-1.08e-03	-2.51e-04
1797	139	-1.06	6.69	-0.99	0.0	-1.94e-04	-2.13e-05
1797	148	-8.04	2.03	-1.01	0.0	-1.36e-03	-3.82e-04
1797	151	-7.16	5.16	-1.11	0.0	-1.21e-03	-2.78e-04
1797	171	-1.17	7.55	-1.02	0.0	-2.12e-04	-1.95e-05
1797	180	-7.94	1.92	-1.00	0.0	-1.35e-03	-3.80e-04
1797	183	-7.04	5.12	-1.11	0.0	-1.19e-03	-2.74e-04
1797	203	-1.12	7.67	-1.02	0.0	-2.03e-04	-1.99e-05
1797	212	-9.27	2.16	-1.05	0.0	-1.57e-03	-4.41e-04
1797	215	-8.20	5.99	-1.17	0.0	-1.38e-03	-3.14e-04
1797	235	-1.28	9.07	-1.08	0.0	-2.27e-04	-1.72e-05
1797	264	-0.52	0.03	-0.78	0.0	-1.13e-04	-2.72e-05
1797	268	-0.08	0.44	-0.87	0.0	-4.60e-05	-4.38e-05
1797	276	-0.06	0.62	-0.79	0.0	-3.85e-05	-3.82e-05
1797	298	-0.07	0.11	-0.73	0.0	-3.98e-05	-3.57e-05
1797	305	-0.15	0.09	-0.70	0.0	-5.20e-05	-3.17e-05
1797	307	-0.06	0.20	-0.70	0.0	-3.71e-05	-3.39e-05
1797	310	-0.06	0.11	-0.70	0.0	-3.77e-05	-3.36e-05
1798	44	-0.61	-0.08	-1.20	0.0	-1.30e-04	-1.65e-05
1798	52	-0.04	0.41	-1.34	0.0	-1.92e-05	-3.39e-05
1798	67	-0.03	0.65	-1.15	0.0	-1.32e-05	-2.90e-05
1798	116	-5.72	1.39	-1.09	0.0	-1.20e-03	-3.37e-04
1798	119	-5.12	3.59	-1.19	0.0	-1.06e-03	-2.58e-04
1798	139	-0.85	5.26	-1.07	0.0	-1.62e-04	-2.16e-05
1798	148	-6.42	1.55	-1.13	0.0	-1.34e-03	-3.77e-04
1798	151	-5.75	4.04	-1.25	0.0	-1.19e-03	-2.88e-04
1798	171	-0.95	5.94	-1.12	0.0	-1.79e-04	-2.18e-05
1798	180	-6.33	1.46	-1.12	0.0	-1.32e-03	-3.73e-04
1798	183	-5.65	4.00	-1.24	0.0	-1.17e-03	-2.83e-04
1798	203	-0.91	6.04	-1.12	0.0	-1.69e-04	-2.11e-05
1798	212	-7.40	1.65	-1.19	0.0	-1.55e-03	-4.35e-04
1798	215	-6.59	4.69	-1.32	0.0	-1.36e-03	-3.27e-04
1798	235	-1.04	7.15	-1.18	0.0	-1.91e-04	-2.10e-05
1798	264	-0.41	-0.05	-0.84	0.0	-8.75e-05	-1.18e-05
1798	268	-0.03	0.27	-0.94	0.0	-1.36e-05	-2.34e-05
1798	275	-0.02	0.43	-0.81	0.0	-9.59e-06	-2.01e-05

1798	298	-0.03	0.02	-0.78	0.0	-1.35e-05	-1.87e-05
1798	305	-0.10	6.02e-03	-0.75	0.0	-2.76e-05	-1.62e-05
1798	307	-0.02	0.10	-0.75	0.0	-1.21e-05	-1.80e-05
1798	310	-0.02	0.02	-0.75	0.0	-1.29e-05	-1.77e-05
1799	44	-0.54	-0.11	-1.21	6.94e-05	-1.27e-04	1.42e-05
1799	52	-0.03	0.32	-1.36	7.96e-05	-1.49e-05	4.61e-06
1799	71	-0.02	0.54	-0.89	5.09e-05	-5.81e-06	2.91e-06
1799	116	-5.10	1.20	-1.10	7.59e-06	-1.20e-03	-2.95e-04
1799	119	-4.58	3.13	-1.20	1.43e-05	-1.06e-03	-2.20e-04
1799	138	0.73	-4.61	-0.43	4.97e-05	1.38e-04	-1.56e-06
1799	148	-5.73	1.34	-1.14	2.40e-06	-1.35e-03	-3.32e-04
1799	151	-5.14	3.52	-1.25	9.96e-06	-1.19e-03	-2.46e-04
1799	170	0.82	-5.20	-0.38	4.96e-05	1.55e-04	-2.54e-06
1799	180	-5.65	1.26	-1.13	3.01e-06	-1.33e-03	-3.26e-04
1799	183	-5.05	3.49	-1.25	1.06e-05	-1.17e-03	-2.40e-04
1799	202	0.78	-5.29	-0.38	4.96e-05	1.44e-04	-4.70e-06
1799	212	-6.60	1.43	-1.19	-4.89e-06	-1.55e-03	-3.84e-04
1799	215	-5.89	4.09	-1.33	4.05e-06	-1.36e-03	-2.80e-04
1799	234	0.91	-6.27	-0.32	4.94e-05	1.66e-04	-7.11e-06
1799	264	-0.36	-0.08	-0.85	4.88e-05	-8.50e-05	9.62e-06
1799	268	-0.02	0.21	-0.95	5.56e-05	-1.06e-05	3.22e-06
1799	275	-0.02	0.36	-0.81	5.14e-05	-7.04e-06	2.52e-06
1799	298	-0.02	-4.93e-03	-0.79	5.07e-05	-1.11e-05	2.63e-06
1799	305	-0.09	-0.02	-0.76	4.90e-05	-2.53e-05	3.83e-06
1799	307	-0.02	0.07	-0.76	4.97e-05	-9.85e-06	2.45e-06
1799	309	-0.01	-7.71e-03	-0.55	4.30e-05	-8.21e-06	1.55e-06
1799	310	-0.02	-5.33e-03	-0.75	4.96e-05	-1.07e-05	2.47e-06
1800	44	-0.68	-0.02	-1.19	0.0	-1.41e-04	-4.18e-05
1800	52	-0.05	0.52	-1.34	0.0	-3.24e-05	-6.60e-05
1800	68	-0.04	0.78	-1.21	0.0	-2.59e-05	-5.77e-05
1800	116	-6.34	1.60	-1.08	0.0	-1.20e-03	-3.92e-04
1800	119	-5.68	4.09	-1.18	0.0	-1.06e-03	-3.07e-04
1800	139	-0.93	5.97	-1.07	0.0	-1.72e-04	-4.60e-05
1800	148	-7.12	1.78	-1.13	0.0	-1.34e-03	-4.37e-04
1800	151	-6.37	4.59	-1.24	0.0	-1.19e-03	-3.40e-04
1800	171	-1.04	6.73	-1.11	0.0	-1.90e-04	-4.73e-05
1800	180	-7.03	1.68	-1.12	0.0	-1.32e-03	-4.33e-04
1800	183	-6.27	4.56	-1.23	0.0	-1.17e-03	-3.35e-04
1800	203	-1.00	6.85	-1.11	0.0	-1.80e-04	-4.76e-05
1800	212	-8.21	1.90	-1.18	0.0	-1.54e-03	-5.02e-04
1800	215	-7.30	5.33	-1.31	0.0	-1.36e-03	-3.86e-04
1800	235	-1.14	8.10	-1.18	0.0	-2.03e-04	-4.95e-05
1800	264	-0.45	-0.01	-0.84	0.0	-9.48e-05	-2.94e-05
1800	268	-0.03	0.35	-0.93	0.0	-2.27e-05	-4.55e-05
1800	276	-0.03	0.52	-0.84	0.0	-1.84e-05	-4.00e-05
1800	298	-0.03	0.06	-0.77	0.0	-2.08e-05	-3.67e-05
1800	305	-0.11	0.04	-0.74	0.0	-3.44e-05	-3.29e-05
1800	307	-0.03	0.15	-0.75	0.0	-1.91e-05	-3.50e-05
1800	310	-0.03	0.06	-0.74	0.0	-1.98e-05	-3.46e-05
1801	44	-0.75	0.04	-1.19	0.0	-1.58e-04	-6.12e-05
1801	52	-0.07	0.64	-1.33	0.0	-5.47e-05	-9.14e-05
1801	68	-0.05	0.91	-1.20	0.0	-4.53e-05	-7.94e-05
1801	116	-6.98	1.83	-1.08	0.0	-1.19e-03	-4.28e-04
1801	119	-6.24	4.60	-1.18	0.0	-1.06e-03	-3.85e-04
1801	139	-1.03	6.69	-1.06	0.0	-1.88e-04	-2.24e-04
1801	148	-7.83	2.02	-1.12	0.0	-1.33e-03	-4.75e-04
1801	151	-7.00	5.16	-1.23	0.0	-1.19e-03	-4.26e-04
1801	171	-1.14	7.54	-1.10	0.0	-2.06e-04	-2.45e-04
1801	180	-7.74	1.91	-1.11	0.0	-1.31e-03	-4.71e-04
1801	183	-6.89	5.12	-1.23	0.0	-1.17e-03	-4.20e-04
1801	203	-1.09	7.67	-1.11	0.0	-1.97e-04	-2.41e-04
1801	212	-9.03	2.16	-1.17	0.0	-1.53e-03	-5.45e-04
1801	215	-8.02	5.98	-1.31	0.0	-1.35e-03	-4.83e-04
1801	235	-1.25	9.07	-1.17	0.0	-2.21e-04	-2.74e-04
1801	264	-0.51	0.03	-0.83	0.0	-1.07e-04	-4.29e-05
1801	268	-0.05	0.43	-0.93	0.0	-3.80e-05	-6.31e-05
1801	276	-0.04	0.61	-0.84	0.0	-3.18e-05	-5.50e-05
1801	298	-0.04	0.11	-0.77	0.0	-3.32e-05	-5.11e-05
1801	305	-0.13	0.09	-0.74	0.0	-4.60e-05	-4.62e-05
1801	307	-0.04	0.20	-0.74	0.0	-3.09e-05	-4.86e-05
1801	310	-0.04	0.10	-0.74	0.0	-3.15e-05	-4.82e-05
1802	44	-0.60	-0.09	-1.17	0.0	-1.05e-04	-2.65e-05
1802	52	-0.02	0.40	-1.31	0.0	1.20e-05	-4.58e-05
1802	67	-0.01	0.64	-1.12	0.0	1.31e-05	-3.94e-05
1802	116	-5.51	1.38	-1.12	0.0	-1.17e-03	-4.99e-04

1802	119	-4.95	3.58	-1.22	0.0	-1.04e-03	-4.63e-04
1802	139	-0.82	5.25	-1.07	0.0	-1.39e-04	-2.31e-04
1802	148	-6.19	1.54	-1.17	0.0	-1.32e-03	-5.57e-04
1802	151	-5.56	4.03	-1.29	0.0	-1.16e-03	-5.16e-04
1802	171	-0.92	5.93	-1.12	0.0	-1.55e-04	-2.56e-04
1802	180	-6.11	1.45	-1.16	0.0	-1.30e-03	-5.48e-04
1802	183	-5.46	4.00	-1.28	0.0	-1.14e-03	-5.04e-04
1802	203	-0.88	6.03	-1.12	0.0	-1.45e-04	-2.51e-04
1802	212	-7.13	1.65	-1.23	0.0	-1.52e-03	-6.38e-04
1802	215	-6.37	4.68	-1.37	0.0	-1.33e-03	-5.85e-04
1802	235	-1.01	7.14	-1.19	0.0	-1.65e-04	-2.90e-04
1802	264	-0.40	-0.06	-0.82	0.0	-7.02e-05	-1.88e-05
1802	268	-0.01	0.27	-0.92	0.0	7.97e-06	-3.17e-05
1802	275	-8.50e-03	0.43	-0.79	0.0	8.70e-06	-2.74e-05
1802	298	-0.01	0.02	-0.76	0.0	3.97e-06	-2.52e-05
1802	305	-0.09	1.90e-03	-0.73	0.0	-1.13e-05	-2.23e-05
1802	307	-0.01	0.10	-0.73	0.0	4.45e-06	-2.42e-05
1802	310	-0.01	0.02	-0.72	0.0	3.50e-06	-2.38e-05
1803	44	-0.55	-0.11	-1.14	2.70e-04	-1.08e-04	2.02e-05
1803	52	-0.04	0.32	-1.27	3.05e-04	8.39e-06	1.13e-05
1803	71	-0.02	0.54	-0.84	1.99e-04	1.01e-05	7.72e-06
1803	116	-4.90	1.20	-1.10	2.05e-04	-1.18e-03	-4.64e-04
1803	119	-4.41	3.12	-1.21	2.27e-04	-1.04e-03	-3.76e-04
1803	138	0.71	-4.60	-0.34	1.14e-04	1.43e-04	3.31e-05
1803	148	-5.50	1.33	-1.15	2.09e-04	-1.32e-03	-5.21e-04
1803	151	-4.95	3.51	-1.27	2.34e-04	-1.17e-03	-4.22e-04
1803	170	0.80	-5.19	-0.29	1.07e-04	1.59e-04	3.57e-05
1803	180	-5.42	1.26	-1.14	2.07e-04	-1.31e-03	-5.08e-04
1803	183	-4.86	3.49	-1.27	2.33e-04	-1.15e-03	-4.07e-04
1803	202	0.77	-5.28	-0.29	1.06e-04	1.49e-04	3.06e-05
1803	212	-6.33	1.43	-1.22	2.12e-04	-1.53e-03	-5.96e-04
1803	215	-5.67	4.09	-1.36	2.43e-04	-1.34e-03	-4.75e-04
1803	234	0.89	-6.26	-0.22	9.36e-05	1.69e-04	3.28e-05
1803	264	-0.37	-0.08	-0.80	1.90e-04	-7.21e-05	1.38e-05
1803	268	-0.03	0.21	-0.89	2.13e-04	5.48e-06	7.81e-06
1803	275	-0.02	0.36	-0.76	1.86e-04	6.63e-06	6.58e-06
1803	298	-0.02	-4.36e-03	-0.73	1.80e-04	1.89e-06	6.20e-06
1803	305	-0.09	-0.02	-0.71	1.73e-04	-1.32e-05	7.29e-06
1803	307	-0.02	0.07	-0.71	1.74e-04	2.50e-06	5.92e-06
1803	309	-0.01	-7.28e-03	-0.51	1.34e-04	0.0	3.70e-06
1803	310	-0.02	-4.78e-03	-0.70	1.73e-04	1.55e-06	5.84e-06
1804	44	-0.65	-0.03	-1.19	0.0	-1.18e-04	-5.39e-05
1804	52	-0.01	0.52	-1.33	0.0	-3.95e-06	-8.02e-05
1804	68	-3.61e-03	0.77	-1.20	0.0	-1.47e-06	-7.07e-05
1804	116	-6.12	1.60	-1.13	0.0	-1.18e-03	-5.07e-04
1804	119	-5.49	4.08	-1.23	0.0	-1.05e-03	-4.66e-04
1804	139	-0.89	5.96	-1.08	0.0	-1.55e-04	-2.43e-04
1804	148	-6.88	1.78	-1.18	0.0	-1.32e-03	-5.64e-04
1804	151	-6.17	4.58	-1.29	0.0	-1.17e-03	-5.18e-04
1804	171	-1.00	6.73	-1.13	0.0	-1.72e-04	-2.68e-04
1804	180	-6.79	1.68	-1.17	0.0	-1.31e-03	-5.57e-04
1804	183	-6.06	4.55	-1.28	0.0	-1.15e-03	-5.09e-04
1804	203	-0.95	6.84	-1.13	0.0	-1.62e-04	-2.62e-04
1804	212	-7.93	1.90	-1.24	0.0	-1.53e-03	-6.46e-04
1804	215	-7.07	5.32	-1.38	0.0	-1.34e-03	-5.87e-04
1804	235	-1.10	8.09	-1.20	0.0	-1.85e-04	-2.99e-04
1804	264	-0.44	-0.02	-0.83	0.0	-7.94e-05	-3.78e-05
1804	268	-7.46e-03	0.35	-0.93	0.0	-3.06e-06	-5.54e-05
1804	276	-3.18e-03	0.52	-0.84	0.0	-1.41e-06	-4.90e-05
1804	298	-0.01	0.06	-0.77	0.0	-4.77e-06	-4.44e-05
1804	305	-0.10	0.04	-0.74	0.0	-1.96e-05	-4.02e-05
1804	307	-9.00e-03	0.15	-0.74	0.0	-3.95e-06	-4.25e-05
1804	310	-0.01	0.06	-0.73	0.0	-4.75e-06	-4.19e-05
1805	44	-0.72	0.03	-1.20	0.0	-1.42e-04	-7.44e-05
1805	52	-0.01	0.64	-1.35	0.0	-3.23e-05	-1.07e-04
1805	68	-6.59e-03	0.91	-1.22	0.0	-2.63e-05	-9.32e-05
1805	116	-6.75	1.82	-1.14	0.0	-1.19e-03	-5.07e-04
1805	119	-6.05	4.59	-1.24	0.0	-1.06e-03	-4.63e-04
1805	139	-0.98	6.68	-1.09	0.0	-1.79e-04	-2.54e-04
1805	148	-7.58	2.02	-1.19	0.0	-1.33e-03	-5.63e-04
1805	151	-6.79	5.15	-1.30	0.0	-1.19e-03	-5.13e-04
1805	171	-1.09	7.54	-1.14	0.0	-1.98e-04	-2.78e-04
1805	180	-7.48	1.91	-1.18	0.0	-1.32e-03	-5.58e-04
1805	183	-6.68	5.11	-1.30	0.0	-1.17e-03	-5.05e-04
1805	203	-1.04	7.66	-1.14	0.0	-1.89e-04	-2.73e-04

1805	212	-8.74	2.15	-1.25	0.0	-1.53e-03	-6.44e-04
1805	215	-7.79	5.98	-1.39	0.0	-1.36e-03	-5.80e-04
1805	235	-1.20	9.06	-1.21	0.0	-2.14e-04	-3.09e-04
1805	264	-0.48	0.03	-0.84	0.0	-9.55e-05	-5.20e-05
1805	268	-0.01	0.43	-0.94	0.0	-2.26e-05	-7.39e-05
1805	276	-5.46e-03	0.61	-0.85	0.0	-1.86e-05	-6.46e-05
1805	298	-0.01	0.11	-0.77	0.0	-2.04e-05	-5.97e-05
1805	305	-0.11	0.08	-0.74	0.0	-3.43e-05	-5.43e-05
1805	307	-0.01	0.20	-0.75	0.0	-1.89e-05	-5.69e-05
1805	310	-0.01	0.10	-0.74	0.0	-1.95e-05	-5.63e-05
1806	45	-0.58	-0.11	-0.42	2.75e-05	0.0	3.10e-05
1806	52	0.01	0.40	-1.06	-4.06e-05	0.0	5.60e-05
1806	67	0.02	0.63	-0.90	-7.60e-05	0.0	4.63e-05
1806	119	-4.72	3.58	-1.09	-5.91e-04	0.0	1.34e-04
1806	121	5.27	1.21	-0.26	-1.94e-04	0.0	0.0
1806	139	-0.77	5.25	-0.92	-8.96e-04	0.0	1.74e-04
1806	151	-5.30	4.02	-1.15	-6.66e-04	0.0	1.47e-04
1806	153	5.92	1.36	-0.22	-2.20e-04	0.0	-2.88e-06
1806	171	-0.86	5.92	-0.96	-1.01e-03	0.0	1.93e-04
1806	183	-5.21	3.99	-1.15	-6.61e-04	0.0	1.45e-04
1806	185	5.84	1.38	-0.23	-2.24e-04	0.0	1.46e-06
1806	203	-0.83	6.02	-0.96	-1.03e-03	0.0	1.95e-04
1806	215	-6.07	4.67	-1.24	-7.78e-04	0.0	1.66e-04
1806	217	6.79	1.64	-0.17	-2.69e-04	0.0	0.0
1806	235	-0.95	7.14	-1.03	-1.23e-03	0.0	2.25e-04
1806	261	-0.39	-0.07	-0.44	2.40e-05	0.0	2.85e-05
1806	268	8.39e-03	0.26	-0.74	-2.61e-05	0.0	3.89e-05
1806	275	0.01	0.42	-0.63	-4.97e-05	0.0	3.25e-05
1806	298	2.65e-03	0.02	-0.60	1.18e-05	0.0	3.16e-05
1806	304	-0.08	-0.01	-0.42	1.63e-05	0.0	2.19e-05
1806	307	3.94e-03	0.09	-0.58	0.0	0.0	3.01e-05
1806	310	2.35e-03	0.01	-0.58	1.21e-05	0.0	2.99e-05
1807	45	-0.64	-0.09	-0.46	-1.61e-05	0.0	2.89e-05
1807	52	0.04	0.51	-1.18	-1.79e-04	0.0	5.30e-05
1807	68	0.04	0.77	-1.07	-2.11e-04	0.0	4.61e-05
1807	119	-5.26	4.08	-1.23	-8.61e-04	0.0	7.66e-06
1807	121	5.91	1.38	-0.31	-2.98e-04	0.0	6.31e-05
1807	139	-0.84	5.96	-1.06	-1.24e-03	0.0	2.22e-04
1807	151	-5.91	4.58	-1.30	-9.62e-04	0.0	5.21e-06
1807	153	6.64	1.55	-0.27	-3.29e-04	0.0	6.82e-05
1807	171	-0.94	6.72	-1.11	-1.39e-03	0.0	2.48e-04
1807	183	-5.81	4.54	-1.29	-9.55e-04	0.0	5.62e-06
1807	185	6.55	1.57	-0.28	-3.33e-04	0.0	7.24e-05
1807	203	-0.90	6.83	-1.11	-1.42e-03	0.0	2.54e-04
1807	215	-6.77	5.32	-1.40	-1.11e-03	0.0	1.36e-06
1807	217	7.62	1.86	-0.22	-3.87e-04	0.0	8.36e-05
1807	235	-1.03	8.09	-1.19	-1.67e-03	0.0	2.97e-04
1807	261	-0.42	-0.05	-0.48	-2.46e-05	0.0	2.62e-05
1807	268	0.02	0.34	-0.82	-1.22e-04	0.0	3.67e-05
1807	276	0.02	0.51	-0.75	-1.43e-04	0.0	3.21e-05
1807	298	0.01	0.06	-0.67	-5.93e-05	0.0	2.95e-05
1807	304	-0.08	0.01	-0.46	-3.31e-05	0.0	1.95e-05
1807	307	0.01	0.15	-0.65	-7.18e-05	0.0	2.80e-05
1807	310	0.01	0.05	-0.64	-5.58e-05	0.0	2.78e-05
1808	46	-0.70	-0.07	-0.55	-3.75e-05	0.0	3.14e-05
1808	52	0.04	0.64	-1.27	-2.20e-04	0.0	5.54e-05
1808	68	0.04	0.91	-1.15	-2.51e-04	0.0	4.80e-05
1808	119	-5.83	4.59	-1.33	-9.41e-04	0.0	1.84e-05
1808	121	6.55	1.56	-0.35	-3.29e-04	0.0	6.44e-05
1808	139	-0.92	6.68	-1.16	-1.34e-03	0.0	2.61e-04
1808	151	-6.55	5.15	-1.40	-1.05e-03	0.0	1.72e-05
1808	153	7.36	1.74	-0.31	-3.62e-04	0.0	6.97e-05
1808	171	-1.03	7.53	-1.22	-1.50e-03	0.0	2.92e-04
1808	183	-6.43	5.11	-1.39	-1.04e-03	0.0	1.73e-05
1808	185	7.26	1.76	-0.32	-3.67e-04	0.0	7.44e-05
1808	203	-0.99	7.66	-1.23	-1.53e-03	0.0	2.99e-04
1808	215	-7.51	5.97	-1.51	-1.21e-03	0.0	1.47e-05
1808	217	8.45	2.08	-0.26	-4.23e-04	0.0	8.63e-05
1808	235	-1.14	9.06	-1.32	-1.80e-03	0.0	3.50e-04
1808	262	-0.46	-0.02	-0.56	-4.47e-05	0.0	2.77e-05
1808	268	0.03	0.43	-0.88	-1.50e-04	0.0	3.83e-05
1808	276	0.03	0.61	-0.80	-1.71e-04	0.0	3.34e-05
1808	298	0.02	0.10	-0.72	-8.04e-05	0.0	3.05e-05
1808	304	-0.09	0.04	-0.50	-4.78e-05	0.0	1.94e-05
1808	307	0.02	0.20	-0.69	-9.30e-05	0.0	2.89e-05

1808	310	0.02	0.10	-0.69	-7.60e-05	0.0	2.87e-05
1809	44	-0.88	0.11	-0.97	0.0	-1.70e-04	-1.25e-05
1809	52	-0.17	0.77	-1.09	0.0	-7.16e-05	-3.21e-05
1809	68	-0.14	1.06	-0.99	0.0	-5.97e-05	-2.76e-05
1809	116	-7.91	2.04	-0.82	0.0	-1.20e-03	-3.12e-04
1809	119	-7.03	5.09	-0.91	0.0	-1.06e-03	-2.06e-04
1809	139	-1.16	7.38	-0.86	0.0	-1.88e-04	2.02e-05
1809	148	-8.88	2.26	-0.85	0.0	-1.34e-03	-3.49e-04
1809	151	-7.88	5.70	-0.95	0.0	-1.18e-03	-2.29e-04
1809	171	-1.29	8.32	-0.90	0.0	-2.05e-04	2.52e-05
1809	180	-8.77	2.14	-0.84	0.0	-1.32e-03	-3.47e-04
1809	183	-7.75	5.66	-0.94	0.0	-1.16e-03	-2.26e-04
1809	203	-1.23	8.45	-0.90	0.0	-1.96e-04	2.58e-05
1809	212	-10.24	2.41	-0.88	0.0	-1.54e-03	-4.06e-04
1809	215	-9.03	6.61	-1.00	0.0	-1.35e-03	-2.61e-04
1809	235	-1.40	9.99	-0.95	0.0	-2.19e-04	3.41e-05
1809	264	-0.59	0.08	-0.68	0.0	-1.16e-04	-9.06e-06
1809	268	-0.12	0.52	-0.76	0.0	-4.97e-05	-2.21e-05
1809	276	-0.10	0.71	-0.69	0.0	-4.18e-05	-1.91e-05
1809	298	-0.10	0.16	-0.64	0.0	-4.29e-05	-1.83e-05
1809	305	-0.19	0.13	-0.61	0.0	-5.48e-05	-1.53e-05
1809	307	-0.10	0.26	-0.62	0.0	-4.01e-05	-1.73e-05
1809	310	-0.10	0.15	-0.61	0.0	-4.06e-05	-1.72e-05
1810	44	-0.97	0.17	-0.97	0.0	-1.70e-04	-3.06e-06
1810	52	-0.21	0.90	-1.09	0.0	-7.16e-05	-2.09e-05
1810	68	-0.17	1.19	-0.99	0.0	-5.97e-05	-1.79e-05
1810	116	-8.48	2.26	-0.83	0.0	-1.13e-03	-3.26e-04
1810	119	-7.53	5.58	-0.91	0.0	-9.95e-04	-2.10e-04
1810	139	-1.26	8.07	-0.86	0.0	-1.78e-04	3.49e-05
1810	148	-9.52	2.50	-0.85	0.0	-1.26e-03	-3.66e-04
1810	151	-8.45	6.25	-0.95	0.0	-1.11e-03	-2.34e-04
1810	171	-1.39	9.09	-0.90	0.0	-1.93e-04	4.12e-05
1810	180	-9.40	2.36	-0.85	0.0	-1.24e-03	-3.64e-04
1810	183	-8.31	6.20	-0.94	0.0	-1.09e-03	-2.30e-04
1810	203	-1.33	9.24	-0.90	0.0	-1.85e-04	4.23e-05
1810	212	-10.98	2.66	-0.88	0.0	-1.45e-03	-4.27e-04
1810	215	-9.67	7.23	-1.00	0.0	-1.27e-03	-2.67e-04
1810	235	-1.51	10.92	-0.95	0.0	-2.05e-04	5.28e-05
1810	264	-0.65	0.12	-0.68	0.0	-1.16e-04	-2.49e-06
1810	268	-0.14	0.61	-0.76	0.0	-4.97e-05	-1.44e-05
1810	276	-0.12	0.80	-0.69	0.0	-4.18e-05	-1.24e-05
1810	298	-0.12	0.21	-0.64	0.0	-4.29e-05	-1.21e-05
1810	305	-0.22	0.18	-0.62	0.0	-5.48e-05	-9.45e-06
1810	307	-0.12	0.31	-0.62	0.0	-4.01e-05	-1.14e-05
1810	310	-0.12	0.20	-0.61	0.0	-4.06e-05	-1.14e-05
1811	44	-0.87	0.10	-1.11	0.0	-1.77e-04	-4.12e-05
1811	52	-0.15	0.77	-1.24	0.0	-7.88e-05	-6.78e-05
1811	68	-0.12	1.05	-1.12	0.0	-6.60e-05	-5.86e-05
1811	116	-7.75	2.04	-0.97	0.0	-1.17e-03	-3.69e-04
1811	119	-6.92	5.08	-1.06	0.0	-1.04e-03	-2.68e-04
1811	139	-1.16	7.38	-0.98	0.0	-1.96e-04	-2.00e-05
1811	148	-8.70	2.26	-1.00	0.0	-1.31e-03	-4.11e-04
1811	151	-7.75	5.70	-1.11	0.0	-1.17e-03	-2.96e-04
1811	171	-1.28	8.31	-1.02	0.0	-2.14e-04	-1.78e-05
1811	180	-8.60	2.13	-1.00	0.0	-1.30e-03	-4.08e-04
1811	183	-7.63	5.66	-1.10	0.0	-1.15e-03	-2.92e-04
1811	203	-1.23	8.45	-1.02	0.0	-2.05e-04	-1.80e-05
1811	212	-10.04	2.41	-1.05	0.0	-1.51e-03	-4.74e-04
1811	215	-8.88	6.61	-1.17	0.0	-1.33e-03	-3.35e-04
1811	235	-1.40	9.99	-1.08	0.0	-2.29e-04	-1.44e-05
1811	264	-0.58	0.07	-0.78	0.0	-1.20e-04	-2.90e-05
1811	268	-0.10	0.52	-0.86	0.0	-5.47e-05	-4.67e-05
1811	276	-0.08	0.71	-0.79	0.0	-4.61e-05	-4.06e-05
1811	298	-0.09	0.16	-0.72	0.0	-4.68e-05	-3.82e-05
1811	305	-0.18	0.13	-0.70	0.0	-5.86e-05	-3.39e-05
1811	307	-0.08	0.26	-0.70	0.0	-4.38e-05	-3.62e-05
1811	310	-0.08	0.15	-0.69	0.0	-4.43e-05	-3.60e-05
1812	44	-0.96	0.16	-1.10	0.0	-1.84e-04	-3.14e-05
1812	52	-0.19	0.89	-1.23	0.0	-8.76e-05	-5.65e-05
1812	68	-0.16	1.19	-1.12	0.0	-7.36e-05	-4.86e-05
1812	116	-8.32	2.26	-0.97	0.0	-1.13e-03	-3.69e-04
1812	119	-7.42	5.58	-1.06	0.0	-1.00e-03	-2.58e-04
1812	139	-1.25	8.07	-0.98	0.0	-1.95e-04	-1.77e-06
1812	148	-9.34	2.49	-1.00	0.0	-1.26e-03	-4.11e-04
1812	151	-8.32	6.25	-1.10	0.0	-1.12e-03	-2.86e-04

1812	171	-1.39	9.09	-1.01	0.0	-2.12e-04	2.15e-06
1812	180	-9.23	2.36	-0.99	0.0	-1.24e-03	-4.09e-04
1812	183	-8.18	6.20	-1.10	0.0	-1.10e-03	-2.81e-04
1812	203	-1.33	9.25	-1.02	0.0	-2.04e-04	2.49e-06
1812	212	-10.77	2.65	-1.04	0.0	-1.45e-03	-4.77e-04
1812	215	-9.53	7.24	-1.16	0.0	-1.28e-03	-3.24e-04
1812	235	-1.51	10.92	-1.07	0.0	-2.27e-04	8.93e-06
1812	264	-0.65	0.12	-0.77	0.0	-1.25e-04	-2.22e-05
1812	268	-0.13	0.60	-0.86	0.0	-6.08e-05	-3.89e-05
1812	276	-0.11	0.80	-0.78	0.0	-5.15e-05	-3.37e-05
1812	298	-0.12	0.20	-0.72	0.0	-5.17e-05	-3.20e-05
1812	305	-0.21	0.17	-0.69	0.0	-6.32e-05	-2.80e-05
1812	307	-0.11	0.31	-0.70	0.0	-4.85e-05	-3.03e-05
1812	310	-0.11	0.19	-0.69	0.0	-4.89e-05	-3.01e-05
1813	44	-0.84	0.10	-1.19	0.0	-1.80e-04	-7.36e-05
1813	52	-0.10	0.76	-1.33	0.0	-8.19e-05	-1.08e-04
1813	68	-0.08	1.05	-1.20	0.0	-6.89e-05	-9.36e-05
1813	116	-7.57	2.04	-1.08	0.0	-1.17e-03	-4.34e-04
1813	119	-6.77	5.08	-1.18	0.0	-1.05e-03	-3.88e-04
1813	139	-1.12	7.37	-1.06	0.0	-2.04e-04	-2.35e-04
1813	148	-8.49	2.25	-1.12	0.0	-1.31e-03	-4.81e-04
1813	151	-7.59	5.70	-1.23	0.0	-1.17e-03	-4.29e-04
1813	171	-1.25	8.31	-1.10	0.0	-2.23e-04	-2.58e-04
1813	180	-8.39	2.13	-1.11	0.0	-1.29e-03	-4.78e-04
1813	183	-7.47	5.65	-1.22	0.0	-1.15e-03	-4.22e-04
1813	203	-1.20	8.45	-1.10	0.0	-2.15e-04	-2.53e-04
1813	212	-9.79	2.40	-1.17	0.0	-1.50e-03	-5.51e-04
1813	215	-8.70	6.60	-1.30	0.0	-1.33e-03	-4.84e-04
1813	235	-1.36	9.99	-1.17	0.0	-2.40e-04	-2.86e-04
1813	264	-0.56	0.07	-0.83	0.0	-1.22e-04	-5.15e-05
1813	268	-0.07	0.51	-0.92	0.0	-5.69e-05	-7.47e-05
1813	276	-0.06	0.70	-0.84	0.0	-4.82e-05	-6.49e-05
1813	298	-0.06	0.15	-0.77	0.0	-4.85e-05	-6.09e-05
1813	305	-0.16	0.13	-0.74	0.0	-6.02e-05	-5.51e-05
1813	307	-0.06	0.25	-0.74	0.0	-4.54e-05	-5.78e-05
1813	310	-0.06	0.14	-0.74	0.0	-4.58e-05	-5.73e-05
1814	44	-0.94	0.16	-1.18	0.0	-2.02e-04	-7.55e-05
1814	52	-0.15	0.88	-1.32	0.0	-1.10e-04	-1.12e-04
1814	68	-0.12	1.18	-1.20	0.0	-9.28e-05	-9.67e-05
1814	116	-8.14	2.25	-1.07	0.0	-1.14e-03	-4.12e-04
1814	119	-7.28	5.57	-1.17	0.0	-1.03e-03	-3.08e-04
1814	139	-1.23	8.07	-1.06	0.0	-2.20e-04	-5.14e-05
1814	148	-9.14	2.49	-1.12	0.0	-1.28e-03	-4.56e-04
1814	151	-8.17	6.25	-1.23	0.0	-1.15e-03	-3.39e-04
1814	171	-1.36	9.09	-1.10	0.0	-2.39e-04	-5.02e-05
1814	180	-9.02	2.35	-1.11	0.0	-1.26e-03	-4.52e-04
1814	183	-8.03	6.20	-1.22	0.0	-1.13e-03	-3.34e-04
1814	203	-1.31	9.25	-1.10	0.0	-2.31e-04	-5.13e-05
1814	212	-10.53	2.65	-1.17	0.0	-1.46e-03	-5.22e-04
1814	215	-9.35	7.23	-1.30	0.0	-1.31e-03	-3.81e-04
1814	235	-1.49	10.92	-1.16	0.0	-2.58e-04	-4.98e-05
1814	264	-0.63	0.11	-0.83	0.0	-1.37e-04	-5.29e-05
1814	268	-0.10	0.60	-0.92	0.0	-7.59e-05	-7.75e-05
1814	276	-0.09	0.80	-0.84	0.0	-6.47e-05	-6.70e-05
1814	298	-0.09	0.20	-0.77	0.0	-6.40e-05	-6.34e-05
1814	305	-0.19	0.17	-0.74	0.0	-7.47e-05	-5.73e-05
1814	307	-0.09	0.30	-0.74	0.0	-6.01e-05	-6.01e-05
1814	310	-0.09	0.19	-0.73	0.0	-6.04e-05	-5.97e-05
1815	44	-0.79	0.09	-1.22	0.0	-1.72e-04	-9.33e-05
1815	52	-0.03	0.76	-1.36	0.0	-7.01e-05	-1.33e-04
1815	68	-0.02	1.04	-1.23	0.0	-5.91e-05	-1.15e-04
1815	116	-7.34	2.03	-1.15	0.0	-1.19e-03	-4.91e-04
1815	119	-6.58	5.08	-1.25	0.0	-1.07e-03	-4.44e-04
1815	139	-1.07	7.37	-1.10	0.0	-2.07e-04	-2.59e-04
1815	148	-8.25	2.25	-1.20	0.0	-1.34e-03	-5.44e-04
1815	151	-7.39	5.69	-1.32	0.0	-1.20e-03	-4.90e-04
1815	171	-1.20	8.31	-1.15	0.0	-2.27e-04	-2.83e-04
1815	180	-8.14	2.13	-1.19	0.0	-1.32e-03	-5.39e-04
1815	183	-7.26	5.65	-1.31	0.0	-1.18e-03	-4.83e-04
1815	203	-1.14	8.44	-1.15	0.0	-2.18e-04	-2.78e-04
1815	212	-9.51	2.40	-1.26	0.0	-1.53e-03	-6.21e-04
1815	215	-8.47	6.60	-1.40	0.0	-1.37e-03	-5.52e-04
1815	235	-1.31	9.98	-1.22	0.0	-2.45e-04	-3.13e-04
1815	264	-0.53	0.07	-0.85	0.0	-1.17e-04	-6.53e-05
1815	268	-0.02	0.51	-0.95	0.0	-4.87e-05	-9.16e-05

1815	276	-0.02	0.70	-0.86	0.0	-4.14e-05	-7.94e-05
1815	298	-0.03	0.15	-0.78	0.0	-4.15e-05	-7.46e-05
1815	305	-0.13	0.12	-0.75	0.0	-5.40e-05	-6.79e-05
1815	307	-0.02	0.25	-0.76	0.0	-3.90e-05	-7.07e-05
1815	310	-0.03	0.14	-0.75	0.0	-3.94e-05	-7.01e-05
1816	44	-0.88	0.15	-1.24	0.0	-2.14e-04	-1.20e-04
1816	52	-0.07	0.87	-1.39	0.0	-1.24e-04	-1.69e-04
1816	68	-0.06	1.17	-1.25	0.0	-1.05e-04	-1.45e-04
1816	116	-7.94	2.25	-1.16	0.0	-1.19e-03	-4.65e-04
1816	119	-7.12	5.57	-1.27	0.0	-1.08e-03	-4.15e-04
1816	139	-1.18	8.07	-1.12	0.0	-2.41e-04	-2.67e-04
1816	148	-8.91	2.48	-1.21	0.0	-1.33e-03	-5.11e-04
1816	151	-7.99	6.24	-1.33	0.0	-1.20e-03	-4.55e-04
1816	171	-1.31	9.09	-1.16	0.0	-2.62e-04	-2.89e-04
1816	180	-8.80	2.35	-1.20	0.0	-1.31e-03	-5.08e-04
1816	183	-7.85	6.19	-1.32	0.0	-1.18e-03	-4.49e-04
1816	203	-1.26	9.24	-1.16	0.0	-2.55e-04	-2.84e-04
1816	212	-10.28	2.64	-1.27	0.0	-1.52e-03	-5.81e-04
1816	215	-9.15	7.23	-1.42	0.0	-1.37e-03	-5.09e-04
1816	235	-1.44	10.92	-1.23	0.0	-2.84e-04	-3.17e-04
1816	264	-0.59	0.11	-0.87	0.0	-1.46e-04	-8.38e-05
1816	268	-0.05	0.59	-0.97	0.0	-8.59e-05	-1.16e-04
1816	276	-0.04	0.79	-0.88	0.0	-7.35e-05	-1.01e-04
1816	298	-0.05	0.19	-0.79	0.0	-7.18e-05	-9.53e-05
1816	305	-0.16	0.16	-0.76	0.0	-8.22e-05	-8.69e-05
1816	307	-0.05	0.30	-0.77	0.0	-6.76e-05	-9.02e-05
1816	310	-0.05	0.18	-0.76	0.0	-6.78e-05	-8.96e-05
1817	46	-0.76	-0.05	-0.58	-4.27e-05	0.0	3.37e-05
1817	52	0.03	0.75	-1.35	-2.34e-04	0.0	6.35e-05
1817	68	0.04	1.04	-1.22	-2.66e-04	0.0	5.48e-05
1817	119	-6.38	5.08	-1.41	-9.66e-04	0.0	9.90e-06
1817	121	7.14	1.72	-0.39	-3.41e-04	0.0	7.51e-05
1817	139	-1.01	7.37	-1.25	-1.37e-03	0.0	2.69e-04
1817	151	-7.16	5.69	-1.49	-1.08e-03	0.0	7.14e-06
1817	153	8.03	1.93	-0.35	-3.75e-04	0.0	8.12e-05
1817	171	-1.13	8.31	-1.31	-1.54e-03	0.0	3.00e-04
1817	183	-7.04	5.65	-1.48	-1.07e-03	0.0	7.59e-06
1817	185	7.92	1.95	-0.36	-3.79e-04	0.0	8.62e-05
1817	203	-1.08	8.44	-1.32	-1.56e-03	0.0	3.07e-04
1817	209	9.22	-2.12	-0.08	3.17e-04	0.0	3.04e-04
1817	215	-8.21	6.60	-1.60	-1.24e-03	0.0	2.72e-06
1817	235	-1.25	9.98	-1.42	-1.84e-03	0.0	3.60e-04
1817	262	-0.51	2.88e-03	-0.59	-5.03e-05	0.0	3.01e-05
1817	268	0.02	0.51	-0.94	-1.60e-04	0.0	4.39e-05
1817	276	0.02	0.70	-0.85	-1.81e-04	0.0	3.81e-05
1817	298	0.01	0.15	-0.77	-8.79e-05	0.0	3.48e-05
1817	304	-0.10	0.07	-0.52	-5.31e-05	0.0	2.14e-05
1817	307	0.01	0.25	-0.74	-1.01e-04	0.0	3.30e-05
1817	310	9.65e-03	0.14	-0.73	-8.33e-05	0.0	3.27e-05
1818	42	-0.83	0.03	-0.88	-7.83e-05	0.0	5.35e-05
1818	52	0.02	0.86	-1.45	-2.53e-04	0.0	8.81e-05
1818	68	0.02	1.17	-1.31	-2.82e-04	0.0	7.36e-05
1818	119	-6.93	5.56	-1.48	-9.88e-04	0.0	-7.94e-06
1818	124	-7.72	-1.53	-1.12	1.70e-04	0.0	7.46e-06
1818	139	-1.12	8.05	-1.33	-1.40e-03	0.0	2.46e-04
1818	151	-7.78	6.23	-1.57	-1.10e-03	0.0	-1.45e-05
1818	156	-8.68	-1.75	-1.16	2.04e-04	0.0	1.83e-06
1818	171	-1.25	9.08	-1.40	-1.57e-03	0.0	2.72e-04
1818	183	-7.65	6.18	-1.56	-1.09e-03	0.0	-1.30e-05
1818	188	-8.56	-1.78	-1.16	2.09e-04	0.0	-3.19e-06
1818	203	-1.20	9.23	-1.40	-1.59e-03	0.0	2.79e-04
1818	212	-9.99	2.64	-1.45	-4.97e-04	0.0	-2.54e-04
1818	215	-8.92	7.22	-1.69	-1.26e-03	0.0	-2.34e-05
1818	235	-1.38	10.90	-1.51	-1.87e-03	0.0	3.23e-04
1818	262	-0.55	0.03	-0.63	-5.67e-05	0.0	3.78e-05
1818	268	9.54e-03	0.58	-1.01	-1.73e-04	0.0	6.09e-05
1818	276	0.01	0.79	-0.91	-1.92e-04	0.0	5.12e-05
1818	298	2.29e-04	0.19	-0.82	-9.84e-05	0.0	4.94e-05
1818	304	-0.12	0.09	-0.56	-5.91e-05	0.0	2.85e-05
1818	307	2.14e-03	0.29	-0.79	-1.11e-04	0.0	4.62e-05
1818	309	-6.38e-03	0.11	-0.55	-6.14e-05	0.0	2.65e-05
1818	310	-7.15e-04	0.18	-0.78	-9.31e-05	0.0	4.61e-05
1819	44	-1.05	0.25	-0.98	0.0	-1.68e-04	1.05e-05
1819	52	-0.24	1.04	-1.10	0.0	-6.93e-05	-4.62e-06
1819	68	-0.20	1.34	-0.99	0.0	-5.78e-05	-3.68e-06

1819	116	-9.01	2.48	-0.83	0.0	-1.07e-03	-3.24e-04
1819	119	-8.01	6.06	-0.91	0.0	-9.46e-04	-1.98e-04
1819	139	-1.34	8.75	-0.86	0.0	-1.68e-04	5.64e-05
1819	148	-10.11	2.74	-0.86	0.0	-1.20e-03	-3.64e-04
1819	151	-8.97	6.79	-0.95	0.0	-1.06e-03	-2.22e-04
1819	171	-1.48	9.85	-0.90	0.0	-1.83e-04	6.45e-05
1819	180	-10.00	2.59	-0.85	0.0	-1.19e-03	-3.63e-04
1819	183	-8.83	6.74	-0.94	0.0	-1.04e-03	-2.18e-04
1819	203	-1.41	10.01	-0.90	0.0	-1.74e-04	6.61e-05
1819	212	-11.67	2.91	-0.89	0.0	-1.38e-03	-4.28e-04
1819	215	-10.27	7.85	-1.00	0.0	-1.21e-03	-2.54e-04
1819	235	-1.60	11.82	-0.95	0.0	-1.93e-04	7.95e-05
1819	264	-0.71	0.18	-0.69	0.0	-1.14e-04	6.95e-06
1819	268	-0.17	0.70	-0.76	0.0	-4.81e-05	-3.15e-06
1819	276	-0.14	0.91	-0.70	0.0	-4.05e-05	-2.52e-06
1819	298	-0.15	0.27	-0.64	0.0	-4.16e-05	-3.05e-06
1819	305	-0.25	0.23	-0.62	0.0	-5.36e-05	0.0
1819	307	-0.14	0.38	-0.62	0.0	-3.88e-05	-2.80e-06
1819	310	-0.14	0.25	-0.62	0.0	-3.94e-05	-2.91e-06
1820	44	-1.13	0.37	-0.99	-4.41e-04	-1.41e-04	2.56e-05
1820	52	-0.27	1.22	-1.11	-5.23e-04	-9.97e-05	1.34e-05
1820	68	-0.23	1.52	-1.01	-4.51e-04	-8.50e-05	1.20e-05
1820	116	-9.52	2.71	-0.84	-4.03e-04	-8.84e-04	-3.11e-04
1820	119	-8.45	6.53	-0.92	-4.45e-04	-7.81e-04	-1.76e-04
1820	139	-1.42	9.38	-0.87	-4.06e-04	-1.53e-04	8.01e-05
1820	148	-10.68	2.99	-0.86	-4.19e-04	-9.86e-04	-3.51e-04
1820	151	-9.47	7.30	-0.96	-4.66e-04	-8.70e-04	-1.98e-04
1820	171	-1.56	10.55	-0.90	-4.23e-04	-1.65e-04	9.00e-05
1820	180	-10.56	2.83	-0.86	-4.15e-04	-9.74e-04	-3.50e-04
1820	183	-9.32	7.25	-0.95	-4.63e-04	-8.55e-04	-1.94e-04
1820	203	-1.49	10.73	-0.90	-4.24e-04	-1.57e-04	9.21e-05
1820	212	-12.32	3.18	-0.90	-4.38e-04	-1.13e-03	-4.15e-04
1820	215	-10.84	8.44	-1.01	-4.95e-04	-9.88e-04	-2.28e-04
1820	235	-1.69	12.65	-0.95	-4.51e-04	-1.71e-04	1.09e-04
1820	264	-0.76	0.26	-0.70	-3.07e-04	-9.72e-05	1.74e-05
1820	268	-0.19	0.83	-0.77	-3.62e-04	-6.95e-05	9.27e-06
1820	276	-0.16	1.03	-0.71	-3.14e-04	-5.97e-05	8.35e-06
1820	298	-0.17	0.35	-0.65	-2.92e-04	-5.86e-05	6.91e-06
1820	305	-0.28	0.31	-0.63	-2.75e-04	-6.26e-05	8.49e-06
1820	307	-0.15	0.46	-0.63	-2.77e-04	-5.51e-05	6.68e-06
1820	310	-0.16	0.33	-0.63	-2.74e-04	-5.58e-05	6.45e-06
1821	44	-1.05	0.24	-1.10	0.0	-1.85e-04	-9.47e-06
1821	52	-0.24	1.03	-1.23	0.0	-8.95e-05	-2.98e-05
1821	68	-0.20	1.34	-1.12	0.0	-7.54e-05	-2.54e-05
1821	116	-8.86	2.48	-0.96	0.0	-1.09e-03	-3.50e-04
1821	119	-7.90	6.07	-1.05	0.0	-9.71e-04	-2.26e-04
1821	139	-1.35	8.76	-0.97	0.0	-1.91e-04	3.39e-05
1821	148	-9.94	2.73	-1.00	0.0	-1.22e-03	-3.92e-04
1821	151	-8.86	6.79	-1.10	0.0	-1.08e-03	-2.52e-04
1821	171	-1.49	9.87	-1.01	0.0	-2.07e-04	4.07e-05
1821	180	-9.82	2.59	-0.99	0.0	-1.20e-03	-3.91e-04
1821	183	-8.72	6.74	-1.09	0.0	-1.07e-03	-2.48e-04
1821	203	-1.43	10.03	-1.01	0.0	-1.99e-04	4.20e-05
1821	212	-11.46	2.91	-1.04	0.0	-1.40e-03	-4.58e-04
1821	215	-10.14	7.86	-1.16	0.0	-1.23e-03	-2.87e-04
1821	235	-1.62	11.85	-1.07	0.0	-2.21e-04	5.33e-05
1821	264	-0.71	0.17	-0.77	0.0	-1.26e-04	-6.96e-06
1821	268	-0.16	0.70	-0.86	0.0	-6.21e-05	-2.05e-05
1821	276	-0.14	0.90	-0.78	0.0	-5.27e-05	-1.76e-05
1821	298	-0.14	0.26	-0.72	0.0	-5.28e-05	-1.71e-05
1821	305	-0.25	0.22	-0.69	0.0	-6.42e-05	-1.41e-05
1821	307	-0.13	0.37	-0.69	0.0	-4.95e-05	-1.62e-05
1821	310	-0.14	0.24	-0.69	0.0	-4.99e-05	-1.62e-05
1822	44	-1.15	0.37	-1.10	-6.42e-04	-1.48e-04	2.55e-05
1822	52	-0.28	1.22	-1.23	-7.68e-04	-1.09e-04	1.34e-05
1822	68	-0.23	1.52	-1.11	-6.50e-04	-9.19e-05	1.20e-05
1822	116	-9.39	2.71	-0.96	-5.67e-04	-8.49e-04	-3.13e-04
1822	119	-8.37	6.53	-1.05	-6.15e-04	-7.56e-04	-1.78e-04
1822	139	-1.44	9.38	-0.97	-5.60e-04	-1.61e-04	7.92e-05
1822	148	-10.53	2.99	-0.99	-5.87e-04	-9.47e-04	-3.53e-04
1822	151	-9.38	7.30	-1.10	-6.41e-04	-8.42e-04	-2.00e-04
1822	171	-1.59	10.55	-1.01	-5.80e-04	-1.73e-04	8.90e-05
1822	180	-10.40	2.83	-0.99	-5.82e-04	-9.35e-04	-3.52e-04
1822	183	-9.23	7.25	-1.09	-6.36e-04	-8.28e-04	-1.96e-04
1822	203	-1.52	10.73	-1.01	-5.80e-04	-1.66e-04	9.10e-05

1822	212	-12.13	3.18	-1.04	-6.10e-04	-1.08e-03	-4.17e-04
1822	215	-10.73	8.44	-1.16	-6.75e-04	-9.55e-04	-2.31e-04
1822	235	-1.73	12.65	-1.07	-6.12e-04	-1.81e-04	1.07e-04
1822	264	-0.77	0.26	-0.77	-4.46e-04	-1.02e-04	1.74e-05
1822	268	-0.20	0.83	-0.86	-5.30e-04	-7.58e-05	9.31e-06
1822	276	-0.16	1.03	-0.78	-4.52e-04	-6.42e-05	8.34e-06
1822	298	-0.17	0.35	-0.72	-4.29e-04	-6.43e-05	6.98e-06
1822	305	-0.28	0.30	-0.69	-4.02e-04	-6.77e-05	8.54e-06
1822	307	-0.16	0.46	-0.69	-4.04e-04	-6.02e-05	6.73e-06
1822	310	-0.16	0.33	-0.69	-4.01e-04	-6.08e-05	6.52e-06
1823	44	-1.05	0.22	-1.18	0.0	-2.15e-04	-5.60e-05
1823	52	-0.22	1.01	-1.32	0.0	-1.26e-04	-8.92e-05
1823	68	-0.18	1.32	-1.20	0.0	-1.07e-04	-7.66e-05
1823	116	-8.70	2.47	-1.07	0.0	-1.12e-03	-3.78e-04
1823	119	-7.79	6.08	-1.17	0.0	-1.01e-03	-2.62e-04
1823	139	-1.35	8.79	-1.06	0.0	-2.28e-04	-1.37e-05
1823	148	-9.76	2.73	-1.11	0.0	-1.25e-03	-4.19e-04
1823	151	-8.73	6.81	-1.22	0.0	-1.13e-03	-2.89e-04
1823	171	-1.49	9.90	-1.10	0.0	-2.47e-04	-9.16e-06
1823	180	-9.64	2.58	-1.11	0.0	-1.23e-03	-4.17e-04
1823	183	-8.59	6.76	-1.22	0.0	-1.11e-03	-2.85e-04
1823	203	-1.43	10.06	-1.10	0.0	-2.40e-04	-9.12e-06
1823	212	-11.25	2.90	-1.17	0.0	-1.43e-03	-4.83e-04
1823	215	-9.99	7.88	-1.30	0.0	-1.28e-03	-3.25e-04
1823	235	-1.63	11.88	-1.16	0.0	-2.66e-04	-1.82e-06
1823	264	-0.70	0.16	-0.83	0.0	-1.47e-04	-3.93e-05
1823	268	-0.15	0.68	-0.92	0.0	-8.74e-05	-6.15e-05
1823	276	-0.13	0.89	-0.84	0.0	-7.47e-05	-5.30e-05
1823	298	-0.13	0.25	-0.77	0.0	-7.33e-05	-5.06e-05
1823	305	-0.24	0.21	-0.74	0.0	-8.34e-05	-4.51e-05
1823	307	-0.12	0.36	-0.74	0.0	-6.90e-05	-4.79e-05
1823	310	-0.13	0.23	-0.73	0.0	-6.92e-05	-4.76e-05
1824	44	-1.16	0.37	-1.19	-1.02e-03	-1.67e-04	2.57e-05
1824	52	-0.29	1.22	-1.32	-1.23e-03	-1.34e-04	1.40e-05
1824	68	-0.24	1.52	-1.20	-1.03e-03	-1.12e-04	1.24e-05
1824	116	-9.25	2.72	-1.07	-8.67e-04	-8.15e-04	-3.17e-04
1824	119	-8.28	6.53	-1.17	-9.34e-04	-7.34e-04	-1.82e-04
1824	139	-1.46	9.38	-1.06	-8.64e-04	-1.79e-04	7.79e-05
1824	148	-10.37	2.99	-1.11	-8.94e-04	-9.06e-04	-3.57e-04
1824	151	-9.28	7.30	-1.23	-9.70e-04	-8.15e-04	-2.05e-04
1824	171	-1.61	10.55	-1.10	-8.92e-04	-1.92e-04	8.74e-05
1824	180	-10.24	2.83	-1.11	-8.85e-04	-8.95e-04	-3.56e-04
1824	183	-9.13	7.25	-1.22	-9.61e-04	-8.01e-04	-2.01e-04
1824	203	-1.55	10.73	-1.10	-8.91e-04	-1.86e-04	8.95e-05
1824	212	-11.95	3.18	-1.17	-9.22e-04	-1.03e-03	-4.22e-04
1824	215	-10.62	8.44	-1.30	-1.01e-03	-9.22e-04	-2.36e-04
1824	235	-1.76	12.65	-1.17	-9.34e-04	-2.03e-04	1.05e-04
1824	264	-0.78	0.26	-0.83	-7.07e-04	-1.15e-04	1.75e-05
1824	268	-0.20	0.83	-0.92	-8.49e-04	-9.28e-05	9.69e-06
1824	276	-0.17	1.03	-0.84	-7.14e-04	-7.78e-05	8.60e-06
1824	298	-0.17	0.35	-0.77	-6.90e-04	-7.89e-05	7.37e-06
1824	305	-0.28	0.30	-0.74	-6.44e-04	-8.11e-05	8.86e-06
1824	307	-0.16	0.46	-0.74	-6.46e-04	-7.38e-05	7.08e-06
1824	310	-0.16	0.33	-0.74	-6.43e-04	-7.41e-05	6.87e-06
1825	44	-1.01	0.20	-1.27	0.0	-2.62e-04	-1.65e-04
1825	52	-0.16	0.98	-1.42	0.0	-1.85e-04	-2.29e-04
1825	68	-0.13	1.30	-1.29	0.0	-1.58e-04	-1.97e-04
1825	116	-8.53	2.46	-1.19	0.0	-1.19e-03	-3.96e-04
1825	119	-7.65	6.09	-1.29	0.0	-1.16e-03	-3.45e-04
1825	139	-1.31	8.82	-1.14	0.0	-5.38e-04	-2.51e-04
1825	148	-9.57	2.72	-1.24	0.0	-1.32e-03	-4.30e-04
1825	151	-8.58	6.82	-1.35	0.0	-1.29e-03	-3.72e-04
1825	171	-1.46	9.94	-1.18	0.0	-5.93e-04	-2.67e-04
1825	180	-9.45	2.57	-1.23	0.0	-1.31e-03	-4.25e-04
1825	183	-8.44	6.77	-1.35	0.0	-1.27e-03	-3.64e-04
1825	203	-1.40	10.10	-1.18	0.0	-5.87e-04	-2.58e-04
1825	212	-11.02	2.89	-1.30	0.0	-1.51e-03	-4.78e-04
1825	215	-9.83	7.90	-1.44	0.0	-1.47e-03	-4.04e-04
1825	235	-1.60	11.93	-1.26	0.0	-6.70e-04	-2.79e-04
1825	264	-0.68	0.14	-0.89	0.0	-1.79e-04	-1.15e-04
1825	268	-0.11	0.66	-0.99	0.0	-1.28e-04	-1.58e-04
1825	276	-0.09	0.88	-0.90	0.0	-1.10e-04	-1.37e-04
1825	298	-0.10	0.23	-0.82	0.0	-1.06e-04	-1.30e-04
1825	305	-0.21	0.20	-0.79	0.0	-1.14e-04	-1.18e-04
1825	307	-0.09	0.34	-0.79	0.0	-1.00e-04	-1.23e-04

1825	310	-0.09	0.22	-0.78	0.0	-9.99e-05	-1.22e-04
1826	44	-1.17	0.36	-1.31	-1.71e-03	-1.96e-04	2.50e-05
1826	52	-0.29	1.22	-1.46	-2.08e-03	-1.70e-04	1.36e-05
1826	68	-0.24	1.52	-1.32	-1.73e-03	-1.41e-04	1.20e-05
1826	116	-9.11	2.72	-1.21	-1.42e-03	-7.93e-04	-3.21e-04
1826	119	-8.20	6.53	-1.31	-1.53e-03	-7.75e-04	-1.86e-04
1826	139	-1.48	9.38	-1.16	-1.44e-03	-3.76e-04	7.74e-05
1826	148	-10.22	2.99	-1.26	-1.46e-03	-8.80e-04	-3.62e-04
1826	151	-9.18	7.30	-1.38	-1.58e-03	-8.59e-04	-2.09e-04
1826	171	-1.64	10.55	-1.20	-1.48e-03	-4.11e-04	8.69e-05
1826	180	-10.09	2.84	-1.25	-1.44e-03	-8.69e-04	-3.61e-04
1826	183	-9.03	7.25	-1.37	-1.56e-03	-8.47e-04	-2.05e-04
1826	203	-1.58	10.73	-1.20	-1.48e-03	-4.07e-04	8.91e-05
1826	212	-11.76	3.18	-1.32	-1.49e-03	-9.99e-04	-4.28e-04
1826	215	-10.51	8.44	-1.46	-1.64e-03	-9.73e-04	-2.41e-04
1826	235	-1.79	12.65	-1.27	-1.55e-03	-4.61e-04	1.05e-04
1826	264	-0.79	0.26	-0.92	-1.19e-03	-1.35e-04	1.70e-05
1826	268	-0.20	0.83	-1.02	-1.43e-03	-1.17e-04	9.42e-06
1826	276	-0.17	1.03	-0.93	-1.20e-03	-9.82e-05	8.37e-06
1826	298	-0.18	0.35	-0.84	-1.17e-03	-9.95e-05	7.15e-06
1826	305	-0.29	0.30	-0.81	-1.09e-03	-1.00e-04	8.60e-06
1826	307	-0.16	0.46	-0.81	-1.09e-03	-9.31e-05	6.88e-06
1826	310	-0.17	0.33	-0.80	-1.09e-03	-9.32e-05	6.66e-06
1827	46	-0.87	-0.02	-0.67	-7.20e-05	0.0	9.17e-05
1827	52	0.06	0.93	-1.60	-3.26e-04	0.0	2.44e-04
1827	68	0.06	1.27	-1.44	-3.36e-04	0.0	1.81e-04
1827	119	-7.47	6.09	-1.57	-9.50e-04	0.0	-1.24e-04
1827	121	8.38	2.07	-0.53	-2.94e-04	0.0	8.02e-05
1827	139	-1.18	8.84	-1.43	-1.30e-03	0.0	-5.39e-05
1827	151	-8.39	6.83	-1.66	-1.05e-03	0.0	-1.55e-04
1827	153	9.42	2.32	-0.49	-3.15e-04	0.0	7.33e-05
1827	171	-1.32	9.97	-1.50	-1.45e-03	0.0	-7.68e-05
1827	183	-8.25	6.78	-1.65	-1.04e-03	0.0	-1.45e-04
1827	185	9.29	2.35	-0.50	-3.21e-04	0.0	7.46e-05
1827	203	-1.26	10.13	-1.50	-1.48e-03	0.0	-6.62e-05
1827	209	10.84	-2.49	-0.19	2.51e-04	0.0	4.96e-04
1827	215	-9.63	7.91	-1.78	-1.20e-03	0.0	-1.90e-04
1827	235	-1.45	11.97	-1.62	-1.72e-03	0.0	-9.79e-05
1827	262	-0.58	0.03	-0.69	-8.04e-05	0.0	8.77e-05
1827	268	0.04	0.63	-1.12	-2.24e-04	0.0	1.68e-04
1827	276	0.04	0.85	-1.00	-2.30e-04	0.0	1.27e-04
1827	298	0.03	0.20	-0.91	-1.43e-04	0.0	1.47e-04
1827	304	-0.11	0.11	-0.61	-8.09e-05	0.0	7.30e-05
1827	307	0.03	0.32	-0.87	-1.50e-04	0.0	1.31e-04
1827	310	0.02	0.19	-0.86	-1.34e-04	0.0	1.36e-04
1828	44	-1.18	0.37	-1.59	-2.94e-03	-6.91e-04	1.68e-05
1828	52	-0.30	1.22	-1.82	-3.58e-03	-7.60e-04	3.73e-06
1828	68	-0.25	1.52	-1.62	-2.96e-03	-6.49e-04	4.16e-06
1828	116	-8.97	2.72	-1.51	-2.38e-03	-1.08e-03	-3.23e-04
1828	119	-8.10	6.53	-1.69	-2.54e-03	-1.18e-03	-1.85e-04
1828	139	-1.50	9.38	-1.55	-2.41e-03	-8.05e-04	7.77e-05
1828	148	-10.06	2.99	-1.57	-2.44e-03	-1.17e-03	-3.63e-04
1828	151	-9.08	7.31	-1.78	-2.62e-03	-1.27e-03	-2.08e-04
1828	171	-1.65	10.55	-1.62	-2.47e-03	-8.55e-04	8.80e-05
1828	180	-9.93	2.84	-1.56	-2.40e-03	-1.15e-03	-3.63e-04
1828	183	-8.93	7.25	-1.77	-2.59e-03	-1.26e-03	-2.04e-04
1828	203	-1.60	10.73	-1.63	-2.46e-03	-8.52e-04	9.04e-05
1828	212	-11.57	3.18	-1.65	-2.48e-03	-1.28e-03	-4.29e-04
1828	215	-10.39	8.44	-1.90	-2.70e-03	-1.40e-03	-2.38e-04
1828	235	-1.82	12.65	-1.75	-2.56e-03	-9.29e-04	1.08e-04
1828	264	-0.80	0.26	-1.11	-2.04e-03	-4.78e-04	1.14e-05
1828	268	-0.21	0.83	-1.27	-2.47e-03	-5.24e-04	2.62e-06
1828	276	-0.18	1.03	-1.13	-2.05e-03	-4.49e-04	2.91e-06
1828	298	-0.18	0.35	-1.03	-2.02e-03	-4.31e-04	1.36e-06
1828	305	-0.29	0.30	-0.98	-1.89e-03	-4.13e-04	3.24e-06
1828	307	-0.17	0.46	-0.99	-1.89e-03	-4.08e-04	1.55e-06
1828	310	-0.17	0.33	-0.98	-1.89e-03	-4.05e-04	1.27e-06
1829	42	-0.58	-0.09	-0.53	-5.00e-05	0.0	4.10e-05
1829	52	1.00e-02	0.42	-0.86	-2.01e-04	0.0	5.48e-05
1829	68	0.01	0.66	-0.78	-2.33e-04	0.0	4.95e-05
1829	119	-4.72	3.59	-0.68	-1.01e-03	0.0	-1.52e-05
1829	121	5.26	1.23	-0.40	-3.45e-04	0.0	3.78e-05
1829	139	-0.77	5.32	-0.67	-1.46e-03	0.0	1.36e-04
1829	151	-5.30	4.04	-0.71	-1.13e-03	0.0	-2.04e-05
1829	153	5.92	1.38	-0.39	-3.81e-04	0.0	3.94e-05

1829	171	-0.87	6.01	-0.69	-1.64e-03	0.0	1.50e-04
1829	183	-5.21	4.01	-0.71	-1.12e-03	0.0	-1.90e-05
1829	185	5.83	1.40	-0.39	-3.86e-04	0.0	4.27e-05
1829	203	-0.83	6.11	-0.70	-1.67e-03	0.0	1.53e-04
1829	215	-6.07	4.69	-0.75	-1.30e-03	0.0	-2.72e-05
1829	217	6.79	1.66	-0.38	-4.49e-04	0.0	4.80e-05
1829	235	-0.96	7.24	-0.74	-1.96e-03	0.0	1.77e-04
1829	262	-0.39	-0.06	-0.38	-3.64e-05	0.0	2.88e-05
1829	268	6.57e-03	0.28	-0.60	-1.37e-04	0.0	3.81e-05
1829	276	8.98e-03	0.44	-0.55	-1.58e-04	0.0	3.45e-05
1829	298	1.22e-03	0.03	-0.49	-7.04e-05	0.0	3.00e-05
1829	304	-0.08	-6.05e-04	-0.34	-4.01e-05	0.0	2.07e-05
1829	307	2.54e-03	0.11	-0.47	-8.30e-05	0.0	2.90e-05
1829	310	9.82e-04	0.03	-0.47	-6.64e-05	0.0	2.84e-05
1830	45	-0.64	-0.08	-0.35	-2.98e-05	0.0	3.14e-05
1830	52	0.03	0.54	-0.96	-2.24e-04	0.0	6.17e-05
1830	68	0.04	0.79	-0.86	-2.54e-04	0.0	5.44e-05
1830	119	-5.26	4.11	-0.76	-9.77e-04	0.0	1.56e-05
1830	121	5.91	1.41	-0.45	-3.44e-04	0.0	5.82e-05
1830	139	-0.84	6.07	-0.75	-1.41e-03	0.0	2.23e-04
1830	151	-5.91	4.62	-0.79	-1.09e-03	0.0	1.36e-05
1830	153	6.64	1.58	-0.44	-3.79e-04	0.0	6.21e-05
1830	171	-0.94	6.85	-0.77	-1.58e-03	0.0	2.48e-04
1830	183	-5.81	4.58	-0.78	-1.08e-03	0.0	1.41e-05
1830	185	6.55	1.60	-0.44	-3.84e-04	0.0	6.63e-05
1830	203	-0.90	6.96	-0.78	-1.61e-03	0.0	2.53e-04
1830	215	-6.78	5.36	-0.83	-1.26e-03	0.0	1.05e-05
1830	217	7.62	1.89	-0.43	-4.44e-04	0.0	7.57e-05
1830	235	-1.03	8.24	-0.82	-1.89e-03	0.0	2.95e-04
1830	261	-0.42	-0.04	-0.38	-3.97e-05	0.0	2.89e-05
1830	268	0.02	0.36	-0.67	-1.53e-04	0.0	4.28e-05
1830	276	0.02	0.53	-0.60	-1.73e-04	0.0	3.79e-05
1830	298	0.01	0.07	-0.54	-8.23e-05	0.0	3.40e-05
1830	304	-0.08	0.02	-0.38	-4.83e-05	0.0	2.23e-05
1830	307	0.01	0.16	-0.52	-9.48e-05	0.0	3.25e-05
1830	310	0.01	0.07	-0.52	-7.78e-05	0.0	3.21e-05
1831	46	-0.70	-0.05	-0.43	-4.32e-05	0.0	3.52e-05
1831	52	0.04	0.66	-1.02	-2.37e-04	0.0	6.65e-05
1831	68	0.04	0.93	-0.92	-2.67e-04	0.0	5.74e-05
1831	119	-5.83	4.63	-0.81	-9.66e-04	0.0	1.87e-05
1831	121	6.55	1.59	-0.48	-3.46e-04	0.0	6.94e-05
1831	139	-0.92	6.81	-0.81	-1.39e-03	0.0	2.56e-04
1831	151	-6.55	5.19	-0.84	-1.08e-03	0.0	1.68e-05
1831	153	7.36	1.78	-0.47	-3.79e-04	0.0	7.45e-05
1831	171	-1.03	7.68	-0.84	-1.55e-03	0.0	2.85e-04
1831	185	7.26	1.80	-0.47	-3.85e-04	0.0	7.92e-05
1831	203	-0.99	7.81	-0.84	-1.58e-03	0.0	2.92e-04
1831	217	8.45	2.13	-0.46	-4.43e-04	0.0	9.07e-05
1831	235	-1.14	9.24	-0.89	-1.86e-03	0.0	3.41e-04
1831	262	-0.46	-9.10e-03	-0.44	-5.06e-05	0.0	3.17e-05
1831	268	0.03	0.45	-0.71	-1.62e-04	0.0	4.61e-05
1831	276	0.03	0.62	-0.64	-1.82e-04	0.0	4.00e-05
1831	298	0.02	0.12	-0.58	-8.97e-05	0.0	3.68e-05
1831	304	-0.09	0.05	-0.40	-5.32e-05	0.0	2.31e-05
1831	307	0.02	0.21	-0.56	-1.02e-04	0.0	3.49e-05
1831	310	0.01	0.11	-0.55	-8.48e-05	0.0	3.46e-05
1832	42	-0.58	-0.07	-0.39	-6.51e-05	0.0	3.44e-05
1832	52	6.31e-03	0.45	-0.65	-2.30e-04	0.0	4.46e-05
1832	68	0.01	0.68	-0.59	-2.59e-04	0.0	4.00e-05
1832	124	-5.26	-1.16	-0.25	1.95e-04	0.0	9.06e-06
1832	139	-0.78	5.39	-0.46	-1.46e-03	0.0	1.40e-04
1832	141	2.19	4.84	-0.50	-1.31e-03	0.0	1.50e-04
1832	156	-5.92	-1.32	-0.24	2.31e-04	0.0	6.81e-06
1832	171	-0.87	6.09	-0.48	-1.64e-03	0.0	1.55e-04
1832	173	2.46	5.47	-0.52	-1.47e-03	0.0	1.67e-04
1832	188	-5.83	-1.34	-0.24	2.36e-04	0.0	3.44e-06
1832	203	-0.83	6.19	-0.48	-1.66e-03	0.0	1.59e-04
1832	205	2.45	5.60	-0.52	-1.50e-03	0.0	1.71e-04
1832	220	-6.79	-1.60	-0.22	2.99e-04	0.0	-2.82e-06
1832	235	-0.96	7.33	-0.51	-1.96e-03	0.0	1.85e-04
1832	237	2.86	6.64	-0.55	-1.77e-03	0.0	1.99e-04
1832	262	-0.39	-0.05	-0.28	-4.73e-05	0.0	2.41e-05
1832	268	3.99e-03	0.30	-0.46	-1.57e-04	0.0	3.09e-05
1832	276	6.57e-03	0.45	-0.42	-1.76e-04	0.0	2.79e-05
1832	298	-7.97e-04	0.04	-0.37	-8.62e-05	0.0	2.42e-05

1832	304	-0.08	7.76e-03	-0.26	-4.99e-05	0.0	1.65e-05
1832	307	5.65e-04	0.12	-0.36	-9.82e-05	0.0	2.34e-05
1832	309	-1.83e-03	0.02	-0.26	-5.19e-05	0.0	1.50e-05
1832	310	-9.45e-04	0.04	-0.36	-8.13e-05	0.0	2.29e-05
1833	45	-0.64	-0.07	-0.25	-3.41e-05	0.0	3.15e-05
1833	52	0.03	0.57	-0.73	-2.37e-04	0.0	6.28e-05
1833	68	0.03	0.82	-0.66	-2.65e-04	0.0	5.49e-05
1833	121	5.91	1.43	-0.51	-3.57e-04	0.0	5.55e-05
1833	139	-0.84	6.17	-0.52	-1.44e-03	0.0	2.06e-04
1833	141	2.48	5.54	-0.56	-1.29e-03	0.0	2.16e-04
1833	153	6.64	1.61	-0.53	-3.92e-04	0.0	5.90e-05
1833	171	-0.94	6.97	-0.53	-1.61e-03	0.0	2.29e-04
1833	173	2.79	6.26	-0.58	-1.45e-03	0.0	2.40e-04
1833	185	6.55	1.63	-0.53	-3.98e-04	0.0	6.31e-05
1833	203	-0.90	7.09	-0.54	-1.64e-03	0.0	2.34e-04
1833	205	2.77	6.40	-0.58	-1.48e-03	0.0	2.46e-04
1833	217	7.62	1.93	-0.55	-4.59e-04	0.0	7.17e-05
1833	235	-1.04	8.38	-0.56	-1.93e-03	0.0	2.72e-04
1833	237	3.24	7.59	-0.62	-1.74e-03	0.0	2.87e-04
1833	261	-0.42	-0.02	-0.28	-4.40e-05	0.0	2.90e-05
1833	268	0.02	0.38	-0.51	-1.62e-04	0.0	4.35e-05
1833	276	0.02	0.55	-0.46	-1.80e-04	0.0	3.83e-05
1833	298	0.01	0.09	-0.42	-8.98e-05	0.0	3.46e-05
1833	304	-0.08	0.03	-0.29	-5.23e-05	0.0	2.23e-05
1833	307	0.01	0.17	-0.40	-1.02e-04	0.0	3.30e-05
1833	310	0.01	0.08	-0.40	-8.48e-05	0.0	3.26e-05
1834	46	-0.70	-0.04	-0.32	-4.60e-05	0.0	3.77e-05
1834	52	0.04	0.70	-0.78	-2.46e-04	0.0	7.42e-05
1834	68	0.04	0.96	-0.71	-2.73e-04	0.0	6.34e-05
1834	121	6.55	1.62	-0.55	-3.52e-04	0.0	6.74e-05
1834	139	-0.92	6.93	-0.56	-1.39e-03	0.0	2.37e-04
1834	141	2.75	6.22	-0.60	-1.25e-03	0.0	2.49e-04
1834	153	7.36	1.81	-0.56	-3.86e-04	0.0	7.17e-05
1834	171	-1.03	7.82	-0.57	-1.56e-03	0.0	2.63e-04
1834	173	3.10	7.02	-0.62	-1.40e-03	0.0	2.77e-04
1834	185	7.26	1.84	-0.56	-3.92e-04	0.0	7.62e-05
1834	203	-0.99	7.95	-0.58	-1.59e-03	0.0	2.69e-04
1834	205	3.08	7.18	-0.63	-1.43e-03	0.0	2.84e-04
1834	217	8.45	2.17	-0.59	-4.52e-04	0.0	8.65e-05
1834	235	-1.14	9.40	-0.61	-1.87e-03	0.0	3.13e-04
1834	237	3.60	8.51	-0.66	-1.68e-03	0.0	3.31e-04
1834	262	-0.46	6.74e-03	-0.33	-5.32e-05	0.0	3.43e-05
1834	268	0.03	0.47	-0.54	-1.68e-04	0.0	5.14e-05
1834	276	0.03	0.64	-0.50	-1.86e-04	0.0	4.42e-05
1834	298	0.02	0.14	-0.44	-9.49e-05	0.0	4.14e-05
1834	304	-0.09	0.06	-0.31	-5.53e-05	0.0	2.54e-05
1834	307	0.02	0.23	-0.43	-1.07e-04	0.0	3.90e-05
1834	310	0.01	0.13	-0.42	-8.95e-05	0.0	3.88e-05
1835	42	-0.59	-0.06	-0.29	-7.58e-05	0.0	3.12e-05
1835	52	3.10e-03	0.46	-0.53	-2.51e-04	0.0	3.97e-05
1835	68	7.20e-03	0.69	-0.48	-2.76e-04	0.0	3.53e-05
1835	124	-5.27	-1.16	0.03	1.96e-04	0.0	6.68e-06
1835	125	5.16	1.79	-0.61	-5.24e-04	0.0	1.31e-05
1835	139	-0.78	5.46	-0.32	-1.54e-03	0.0	1.28e-04
1835	156	-5.92	-1.31	0.07	2.33e-04	0.0	4.47e-06
1835	157	5.80	2.01	-0.65	-5.80e-04	0.0	1.25e-05
1835	171	-0.87	6.16	-0.33	-1.72e-03	0.0	1.42e-04
1835	188	-5.84	-1.34	0.06	2.39e-04	0.0	1.19e-06
1835	189	5.72	2.04	-0.65	-5.89e-04	0.0	1.44e-05
1835	203	-0.84	6.27	-0.33	-1.75e-03	0.0	1.45e-04
1835	220	-6.79	-1.60	0.12	3.04e-04	0.0	-4.95e-06
1835	221	6.65	2.41	-0.70	-6.82e-04	0.0	1.48e-05
1835	235	-0.96	7.42	-0.34	-2.06e-03	0.0	1.69e-04
1835	262	-0.39	-0.04	-0.21	-5.49e-05	0.0	2.19e-05
1835	268	1.75e-03	0.31	-0.37	-1.71e-04	0.0	2.75e-05
1835	276	4.48e-03	0.46	-0.34	-1.88e-04	0.0	2.46e-05
1835	298	-2.57e-03	0.05	-0.30	-9.79e-05	0.0	2.16e-05
1835	304	-0.08	0.01	-0.21	-5.67e-05	0.0	1.45e-05
1835	307	-1.17e-03	0.13	-0.29	-1.09e-04	0.0	2.07e-05
1835	309	-3.07e-03	0.03	-0.22	-5.86e-05	0.0	1.30e-05
1835	310	-2.64e-03	0.05	-0.29	-9.23e-05	0.0	2.04e-05
1836	46	-0.64	-0.04	-0.21	-4.80e-05	0.0	3.33e-05
1836	52	0.03	0.60	-0.59	-2.51e-04	0.0	6.17e-05
1836	68	0.03	0.84	-0.54	-2.77e-04	0.0	5.35e-05
1836	121	5.91	1.46	-0.67	-3.71e-04	0.0	5.27e-05

1836	125	5.79	2.06	-0.67	-5.06e-04	0.0	3.62e-05
1836	139	-0.84	6.27	-0.36	-1.48e-03	0.0	1.91e-04
1836	153	6.64	1.63	-0.71	-4.07e-04	0.0	5.59e-05
1836	157	6.51	2.32	-0.71	-5.60e-04	0.0	3.71e-05
1836	171	-0.94	7.07	-0.37	-1.66e-03	0.0	2.12e-04
1836	185	6.55	1.66	-0.71	-4.14e-04	0.0	5.99e-05
1836	189	6.42	2.36	-0.71	-5.69e-04	0.0	3.97e-05
1836	203	-0.90	7.20	-0.37	-1.69e-03	0.0	2.17e-04
1836	217	7.62	1.96	-0.77	-4.77e-04	0.0	6.81e-05
1836	221	7.46	2.77	-0.77	-6.58e-04	0.0	4.27e-05
1836	235	-1.04	8.51	-0.39	-1.99e-03	0.0	2.52e-04
1836	262	-0.42	-6.12e-03	-0.23	-5.51e-05	0.0	2.99e-05
1836	268	0.02	0.40	-0.41	-1.72e-04	0.0	4.27e-05
1836	276	0.02	0.56	-0.38	-1.89e-04	0.0	3.73e-05
1836	298	0.01	0.11	-0.34	-9.83e-05	0.0	3.41e-05
1836	304	-0.08	0.04	-0.23	-5.69e-05	0.0	2.16e-05
1836	307	0.01	0.19	-0.33	-1.10e-04	0.0	3.24e-05
1836	310	0.01	0.10	-0.32	-9.27e-05	0.0	3.21e-05
1837	46	-0.70	-0.02	-0.23	-4.87e-05	0.0	3.83e-05
1837	52	0.04	0.73	-0.63	-2.53e-04	0.0	7.63e-05
1837	68	0.04	0.99	-0.57	-2.78e-04	0.0	6.48e-05
1837	121	6.55	1.65	-0.71	-3.59e-04	0.0	6.42e-05
1837	125	6.42	2.32	-0.71	-4.82e-04	0.0	4.69e-05
1837	139	-0.92	7.04	-0.39	-1.41e-03	0.0	2.19e-04
1837	153	7.36	1.85	-0.75	-3.94e-04	0.0	6.79e-05
1837	157	7.22	2.61	-0.76	-5.33e-04	0.0	4.83e-05
1837	171	-1.03	7.94	-0.40	-1.58e-03	0.0	2.43e-04
1837	185	7.26	1.87	-0.75	-4.00e-04	0.0	7.23e-05
1837	189	7.11	2.65	-0.75	-5.42e-04	0.0	5.12e-05
1837	203	-0.99	8.08	-0.40	-1.60e-03	0.0	2.49e-04
1837	217	8.45	2.21	-0.82	-4.61e-04	0.0	8.16e-05
1837	221	8.27	3.12	-0.82	-6.25e-04	0.0	5.50e-05
1837	235	-1.14	9.55	-0.42	-1.88e-03	0.0	2.88e-04
1837	262	-0.46	0.02	-0.25	-5.57e-05	0.0	3.49e-05
1837	268	0.03	0.49	-0.44	-1.73e-04	0.0	5.28e-05
1837	276	0.03	0.67	-0.40	-1.90e-04	0.0	4.52e-05
1837	298	0.01	0.16	-0.36	-9.94e-05	0.0	4.26e-05
1837	304	-0.09	0.08	-0.25	-5.75e-05	0.0	2.59e-05
1837	307	0.02	0.25	-0.35	-1.11e-04	0.0	4.02e-05
1837	310	0.01	0.15	-0.34	-9.37e-05	0.0	4.00e-05
1838	4	0.17	0.14	-0.50	-1.95e-04	0.0	3.35e-05
1838	42	-0.59	-0.04	-0.22	-8.43e-05	0.0	3.06e-05
1838	68	5.33e-03	0.71	-0.44	-2.90e-04	0.0	3.42e-05
1838	121	5.26	1.27	-1.01	-3.96e-04	0.0	3.34e-05
1838	124	-5.27	-1.15	0.48	1.94e-04	0.0	6.14e-06
1838	139	-0.78	5.52	-0.22	-1.58e-03	0.0	1.25e-04
1838	153	5.91	1.43	-1.10	-4.34e-04	0.0	3.57e-05
1838	156	-5.92	-1.31	0.57	2.32e-04	0.0	3.94e-06
1838	171	-0.87	6.23	-0.22	-1.78e-03	0.0	1.39e-04
1838	185	5.83	1.45	-1.09	-4.40e-04	0.0	3.89e-05
1838	188	-5.84	-1.34	0.56	2.38e-04	0.0	0.0
1838	203	-0.84	6.34	-0.23	-1.81e-03	0.0	1.43e-04
1838	217	6.79	1.73	-1.23	-5.07e-04	0.0	4.50e-05
1838	220	-6.80	-1.61	0.70	3.05e-04	0.0	-5.45e-06
1838	235	-0.96	7.50	-0.22	-2.12e-03	0.0	1.66e-04
1838	244	0.11	0.10	-0.35	-1.35e-04	0.0	2.33e-05
1838	262	-0.39	-0.03	-0.16	-6.10e-05	0.0	2.14e-05
1838	276	3.18e-03	0.48	-0.31	-1.98e-04	0.0	2.38e-05
1838	298	-3.71e-03	0.06	-0.28	-1.07e-04	0.0	2.10e-05
1838	304	-0.08	0.02	-0.19	-6.20e-05	0.0	1.41e-05
1838	307	-2.27e-03	0.14	-0.27	-1.18e-04	0.0	2.02e-05
1838	309	-3.87e-03	0.03	-0.20	-6.39e-05	0.0	1.26e-05
1838	310	-3.73e-03	0.06	-0.26	-1.01e-04	0.0	1.98e-05
1839	4	0.21	0.25	-0.55	-1.92e-04	0.0	5.61e-05
1839	46	-0.64	-0.03	-0.15	-5.24e-05	0.0	3.30e-05
1839	68	0.03	0.87	-0.49	-2.86e-04	0.0	5.30e-05
1839	121	5.90	1.48	-1.06	-3.83e-04	0.0	5.17e-05
1839	139	-0.84	6.36	-0.25	-1.51e-03	0.0	1.86e-04
1839	153	6.64	1.66	-1.16	-4.19e-04	0.0	5.48e-05
1839	171	-0.94	7.17	-0.25	-1.70e-03	0.0	2.06e-04
1839	185	6.55	1.69	-1.15	-4.26e-04	0.0	5.87e-05
1839	203	-0.90	7.30	-0.26	-1.73e-03	0.0	2.11e-04
1839	217	7.62	1.99	-1.29	-4.90e-04	0.0	6.67e-05
1839	235	-1.04	8.64	-0.26	-2.03e-03	0.0	2.45e-04
1839	244	0.14	0.17	-0.38	-1.33e-04	0.0	3.89e-05

1839	262	-0.42	7.79e-03	-0.18	-5.94e-05	0.0	2.96e-05
1839	276	0.02	0.58	-0.35	-1.96e-04	0.0	3.69e-05
1839	298	0.01	0.12	-0.31	-1.05e-04	0.0	3.39e-05
1839	304	-0.08	0.05	-0.21	-6.06e-05	0.0	2.14e-05
1839	307	0.01	0.20	-0.30	-1.16e-04	0.0	3.22e-05
1839	310	0.01	0.11	-0.29	-9.91e-05	0.0	3.19e-05
1840	4	0.24	0.35	-0.57	-1.87e-04	0.0	7.13e-05
1840	46	-0.70	-4.12e-04	-0.16	-5.07e-05	0.0	3.82e-05
1840	68	0.04	1.02	-0.52	-2.83e-04	0.0	6.46e-05
1840	121	6.55	1.68	-1.09	-3.66e-04	0.0	6.29e-05
1840	139	-0.92	7.15	-0.27	-1.42e-03	0.0	2.14e-04
1840	153	7.36	1.88	-1.19	-4.01e-04	0.0	6.65e-05
1840	171	-1.03	8.06	-0.27	-1.59e-03	0.0	2.36e-04
1840	185	7.26	1.91	-1.18	-4.07e-04	0.0	7.09e-05
1840	203	-0.99	8.20	-0.28	-1.62e-03	0.0	2.42e-04
1840	217	8.45	2.25	-1.32	-4.69e-04	0.0	7.99e-05
1840	235	-1.14	9.69	-0.28	-1.90e-03	0.0	2.80e-04
1840	244	0.16	0.24	-0.40	-1.29e-04	0.0	4.95e-05
1840	262	-0.46	0.04	-0.20	-5.77e-05	0.0	3.48e-05
1840	276	0.03	0.69	-0.36	-1.93e-04	0.0	4.50e-05
1840	298	0.01	0.18	-0.32	-1.03e-04	0.0	4.26e-05
1840	304	-0.09	0.09	-0.22	-5.90e-05	0.0	2.58e-05
1840	307	0.02	0.27	-0.31	-1.14e-04	0.0	4.01e-05
1840	310	0.01	0.17	-0.31	-9.67e-05	0.0	3.99e-05
1841	46	-0.76	-0.03	-0.46	-4.77e-05	0.0	3.81e-05
1841	52	0.03	0.78	-1.07	-2.50e-04	0.0	7.65e-05
1841	68	0.03	1.06	-0.97	-2.78e-04	0.0	6.45e-05
1841	121	7.14	1.76	-0.51	-3.47e-04	0.0	7.72e-05
1841	139	-1.02	7.50	-0.86	-1.36e-03	0.0	2.60e-04
1841	153	8.03	1.96	-0.50	-3.80e-04	0.0	8.26e-05
1841	171	-1.14	8.45	-0.90	-1.53e-03	0.0	2.89e-04
1841	185	7.91	1.99	-0.51	-3.85e-04	0.0	8.76e-05
1841	203	-1.09	8.60	-0.90	-1.55e-03	0.0	2.95e-04
1841	209	9.22	-2.02	-0.36	2.86e-04	0.0	3.10e-04
1841	235	-1.25	10.16	-0.96	-1.82e-03	0.0	3.44e-04
1841	262	-0.51	0.02	-0.47	-5.52e-05	0.0	3.45e-05
1841	268	0.02	0.53	-0.75	-1.71e-04	0.0	5.29e-05
1841	276	0.02	0.72	-0.68	-1.89e-04	0.0	4.49e-05
1841	298	9.49e-03	0.16	-0.61	-9.71e-05	0.0	4.28e-05
1841	304	-0.10	0.08	-0.42	-5.75e-05	0.0	2.55e-05
1841	307	0.01	0.26	-0.59	-1.09e-04	0.0	4.01e-05
1841	310	8.19e-03	0.15	-0.58	-9.17e-05	0.0	4.00e-05
1842	42	-0.83	0.05	-0.69	-8.61e-05	0.0	5.81e-05
1842	52	1.54e-03	0.91	-1.13	-2.71e-04	0.0	9.81e-05
1842	68	7.64e-03	1.20	-1.02	-2.94e-04	0.0	7.97e-05
1842	124	-7.73	-1.53	-0.68	1.38e-04	0.0	2.37e-05
1842	139	-1.12	8.18	-0.92	-1.32e-03	0.0	2.20e-04
1842	156	-8.70	-1.75	-0.69	1.70e-04	0.0	1.94e-05
1842	171	-1.26	9.22	-0.96	-1.48e-03	0.0	2.42e-04
1842	188	-8.58	-1.78	-0.69	1.75e-04	0.0	1.46e-05
1842	203	-1.20	9.38	-0.96	-1.50e-03	0.0	2.48e-04
1842	212	-10.00	2.57	-0.84	-4.68e-04	0.0	-2.48e-04
1842	235	-1.38	11.08	-1.02	-1.76e-03	0.0	2.85e-04
1842	262	-0.56	0.04	-0.49	-6.23e-05	0.0	4.12e-05
1842	268	-1.35e-04	0.61	-0.79	-1.86e-04	0.0	6.78e-05
1842	276	3.94e-03	0.81	-0.72	-2.01e-04	0.0	5.55e-05
1842	298	-7.65e-03	0.21	-0.64	-1.10e-04	0.0	5.60e-05
1842	304	-0.12	0.11	-0.44	-6.40e-05	0.0	3.13e-05
1842	307	-5.36e-03	0.32	-0.62	-1.20e-04	0.0	5.18e-05
1842	309	-0.01	0.13	-0.44	-6.62e-05	0.0	2.92e-05
1842	310	-8.15e-03	0.20	-0.61	-1.03e-04	0.0	5.22e-05
1843	46	-0.76	-0.01	-0.33	-4.95e-05	0.0	4.03e-05
1843	52	0.03	0.82	-0.81	-2.56e-04	0.0	8.25e-05
1843	68	0.03	1.10	-0.74	-2.81e-04	0.0	6.90e-05
1843	121	7.14	1.79	-0.58	-3.46e-04	0.0	7.25e-05
1843	139	-1.02	7.62	-0.59	-1.34e-03	0.0	2.33e-04
1843	141	3.00	6.84	-0.63	-1.20e-03	0.0	2.48e-04
1843	153	8.02	2.00	-0.59	-3.79e-04	0.0	7.69e-05
1843	171	-1.14	8.59	-0.61	-1.50e-03	0.0	2.57e-04
1843	173	3.37	7.71	-0.66	-1.34e-03	0.0	2.75e-04
1843	185	7.91	2.03	-0.59	-3.85e-04	0.0	8.16e-05
1843	203	-1.09	8.74	-0.61	-1.52e-03	0.0	2.63e-04
1843	205	3.35	7.89	-0.66	-1.37e-03	0.0	2.82e-04
1843	209	9.22	-1.92	-0.56	2.52e-04	0.0	3.14e-04
1843	235	-1.25	10.32	-0.64	-1.79e-03	0.0	3.05e-04

1843	237	3.92	9.34	-0.70	-1.61e-03	0.0	3.28e-04
1843	262	-0.51	0.03	-0.35	-5.69e-05	0.0	3.67e-05
1843	268	0.02	0.56	-0.57	-1.75e-04	0.0	5.71e-05
1843	276	0.02	0.74	-0.52	-1.92e-04	0.0	4.81e-05
1843	298	8.72e-03	0.19	-0.46	-1.01e-04	0.0	4.64e-05
1843	304	-0.10	0.09	-0.32	-5.88e-05	0.0	2.73e-05
1843	307	0.01	0.28	-0.45	-1.12e-04	0.0	4.34e-05
1843	310	7.48e-03	0.18	-0.44	-9.51e-05	0.0	4.34e-05
1844	42	-0.84	0.08	-0.50	-8.39e-05	0.0	5.32e-05
1844	52	-1.84e-03	0.95	-0.85	-2.67e-04	0.0	8.67e-05
1844	68	4.83e-03	1.24	-0.77	-2.90e-04	0.0	7.10e-05
1844	124	-7.74	-1.51	-0.32	1.38e-04	0.0	2.29e-05
1844	139	-1.13	8.27	-0.62	-1.28e-03	0.0	1.91e-04
1844	141	3.23	7.42	-0.66	-1.15e-03	0.0	2.13e-04
1844	156	-8.70	-1.74	-0.31	1.69e-04	0.0	1.93e-05
1844	171	-1.26	9.31	-0.64	-1.43e-03	0.0	2.10e-04
1844	173	3.63	8.36	-0.69	-1.28e-03	0.0	2.35e-04
1844	188	-8.58	-1.77	-0.31	1.75e-04	0.0	1.47e-05
1844	203	-1.20	9.48	-0.64	-1.46e-03	0.0	2.15e-04
1844	205	3.61	8.55	-0.70	-1.31e-03	0.0	2.39e-04
1844	212	-10.00	2.49	-0.34	-4.29e-04	0.0	-2.57e-04
1844	235	-1.38	11.19	-0.67	-1.71e-03	0.0	2.47e-04
1844	237	4.22	10.12	-0.74	-1.54e-03	0.0	2.76e-04
1844	262	-0.56	0.06	-0.36	-6.07e-05	0.0	3.76e-05
1844	268	-2.46e-03	0.65	-0.59	-1.83e-04	0.0	5.99e-05
1844	276	1.99e-03	0.84	-0.54	-1.98e-04	0.0	4.94e-05
1844	298	-9.57e-03	0.24	-0.48	-1.07e-04	0.0	4.92e-05
1844	304	-0.12	0.12	-0.34	-6.23e-05	0.0	2.80e-05
1844	307	-7.16e-03	0.34	-0.47	-1.18e-04	0.0	4.56e-05
1844	309	-0.01	0.14	-0.34	-6.43e-05	0.0	2.59e-05
1844	310	-9.95e-03	0.22	-0.46	-1.01e-04	0.0	4.59e-05
1845	46	-0.76	6.20e-03	-0.24	-4.93e-05	0.0	4.01e-05
1845	52	0.03	0.86	-0.66	-2.55e-04	0.0	8.16e-05
1845	68	0.03	1.13	-0.60	-2.80e-04	0.0	6.83e-05
1845	121	7.14	1.82	-0.74	-3.48e-04	0.0	6.86e-05
1845	125	7.00	2.56	-0.74	-4.58e-04	0.0	4.60e-05
1845	139	-1.02	7.73	-0.41	-1.33e-03	0.0	2.16e-04
1845	153	8.03	2.04	-0.79	-3.81e-04	0.0	7.25e-05
1845	157	7.87	2.86	-0.79	-5.06e-04	0.0	4.68e-05
1845	171	-1.14	8.70	-0.42	-1.49e-03	0.0	2.39e-04
1845	185	7.91	2.07	-0.78	-3.87e-04	0.0	7.71e-05
1845	189	7.76	2.91	-0.79	-5.14e-04	0.0	4.98e-05
1845	203	-1.09	8.86	-0.43	-1.51e-03	0.0	2.44e-04
1845	209	9.22	-1.82	-0.80	2.25e-04	0.0	3.15e-04
1845	221	9.02	3.42	-0.86	-5.93e-04	0.0	5.29e-05
1845	235	-1.25	10.47	-0.44	-1.78e-03	0.0	2.83e-04
1845	262	-0.51	0.05	-0.26	-5.64e-05	0.0	3.64e-05
1845	268	0.02	0.58	-0.46	-1.75e-04	0.0	5.65e-05
1845	276	0.02	0.76	-0.42	-1.91e-04	0.0	4.76e-05
1845	298	8.15e-03	0.21	-0.37	-1.00e-04	0.0	4.59e-05
1845	304	-0.10	0.10	-0.26	-5.81e-05	0.0	2.71e-05
1845	307	9.58e-03	0.30	-0.36	-1.12e-04	0.0	4.30e-05
1845	310	6.93e-03	0.20	-0.36	-9.46e-05	0.0	4.30e-05
1846	42	-0.84	0.10	-0.38	-7.79e-05	0.0	4.83e-05
1846	52	-4.43e-03	0.99	-0.68	-2.55e-04	0.0	7.54e-05
1846	68	2.59e-03	1.27	-0.63	-2.80e-04	0.0	6.27e-05
1846	124	-7.74	-1.50	0.02	1.49e-04	0.0	9.58e-06
1846	125	7.57	2.77	-0.77	-4.38e-04	0.0	3.90e-05
1846	139	-1.13	8.36	-0.43	-1.26e-03	0.0	1.97e-04
1846	156	-8.70	-1.73	0.07	1.81e-04	0.0	5.09e-06
1846	157	8.51	3.10	-0.82	-4.82e-04	0.0	3.94e-05
1846	171	-1.26	9.42	-0.44	-1.41e-03	0.0	2.18e-04
1846	188	-8.58	-1.77	0.06	1.88e-04	0.0	0.0
1846	189	8.39	3.16	-0.82	-4.90e-04	0.0	4.22e-05
1846	203	-1.20	9.58	-0.45	-1.43e-03	0.0	2.23e-04
1846	212	-10.01	2.41	0.08	-3.89e-04	0.0	-2.68e-04
1846	221	9.76	3.70	-0.89	-5.64e-04	0.0	4.45e-05
1846	235	-1.38	11.32	-0.47	-1.68e-03	0.0	2.58e-04
1846	262	-0.56	0.08	-0.28	-5.64e-05	0.0	3.41e-05
1846	268	-4.25e-03	0.67	-0.48	-1.74e-04	0.0	5.21e-05
1846	276	4.27e-04	0.86	-0.44	-1.91e-04	0.0	4.36e-05
1846	298	-0.01	0.26	-0.39	-1.00e-04	0.0	4.23e-05
1846	304	-0.12	0.13	-0.27	-5.81e-05	0.0	2.47e-05
1846	307	-8.55e-03	0.36	-0.38	-1.11e-04	0.0	3.95e-05
1846	309	-0.01	0.15	-0.28	-6.00e-05	0.0	2.26e-05

1846	310	-0.01	0.24	-0.38	-9.44e-05	0.0	3.95e-05
1847	4	0.24	0.44	-0.59	-1.81e-04	0.0	7.63e-05
1847	46	-0.76	0.02	-0.17	-4.87e-05	0.0	3.98e-05
1847	68	0.03	1.16	-0.53	-2.78e-04	0.0	6.76e-05
1847	121	7.14	1.86	-1.11	-3.50e-04	0.0	6.81e-05
1847	139	-1.02	7.83	-0.29	-1.32e-03	0.0	2.13e-04
1847	153	8.03	2.07	-1.21	-3.83e-04	0.0	7.20e-05
1847	171	-1.14	8.82	-0.28	-1.48e-03	0.0	2.36e-04
1847	185	7.91	2.11	-1.19	-3.90e-04	0.0	7.66e-05
1847	203	-1.09	8.98	-0.29	-1.51e-03	0.0	2.41e-04
1847	209	9.22	-1.71	-1.30	2.05e-04	0.0	3.15e-04
1847	217	9.21	2.48	-1.34	-4.49e-04	0.0	8.64e-05
1847	235	-1.25	10.60	-0.29	-1.77e-03	0.0	2.79e-04
1847	244	0.16	0.31	-0.41	-1.25e-04	0.0	5.29e-05
1847	262	-0.51	0.07	-0.20	-5.56e-05	0.0	3.61e-05
1847	276	0.02	0.78	-0.38	-1.90e-04	0.0	4.71e-05
1847	298	7.99e-03	0.23	-0.33	-9.90e-05	0.0	4.54e-05
1847	304	-0.10	0.12	-0.23	-5.71e-05	0.0	2.68e-05
1847	307	9.43e-03	0.32	-0.32	-1.10e-04	0.0	4.25e-05
1847	310	6.78e-03	0.22	-0.32	-9.33e-05	0.0	4.24e-05
1848	4	0.23	0.53	-0.60	-1.71e-04	0.0	6.80e-05
1848	42	-0.84	0.13	-0.29	-7.27e-05	0.0	4.71e-05
1848	68	1.78e-03	1.30	-0.55	-2.71e-04	0.0	6.07e-05
1848	121	7.72	2.02	-1.11	-3.36e-04	0.0	7.02e-05
1848	124	-7.74	-1.50	0.46	1.60e-04	0.0	5.91e-06
1848	139	-1.13	8.46	-0.30	-1.24e-03	0.0	1.99e-04
1848	153	8.68	2.25	-1.21	-3.69e-04	0.0	7.49e-05
1848	156	-8.70	-1.73	0.56	1.92e-04	0.0	1.15e-06
1848	171	-1.26	9.52	-0.30	-1.39e-03	0.0	2.20e-04
1848	185	8.56	2.29	-1.20	-3.75e-04	0.0	7.97e-05
1848	188	-8.58	-1.77	0.54	1.99e-04	0.0	-3.63e-06
1848	203	-1.20	9.70	-0.30	-1.42e-03	0.0	2.26e-04
1848	212	-10.01	2.33	0.65	-3.57e-04	0.0	-2.70e-04
1848	217	9.97	2.69	-1.34	-4.32e-04	0.0	9.10e-05
1848	235	-1.38	11.45	-0.31	-1.66e-03	0.0	2.62e-04
1848	244	0.15	0.37	-0.42	-1.18e-04	0.0	4.71e-05
1848	262	-0.56	0.10	-0.21	-5.27e-05	0.0	3.32e-05
1848	276	-1.35e-04	0.88	-0.39	-1.85e-04	0.0	4.23e-05
1848	298	-0.01	0.28	-0.34	-9.37e-05	0.0	4.07e-05
1848	304	-0.12	0.14	-0.24	-5.44e-05	0.0	2.39e-05
1848	307	-9.04e-03	0.38	-0.33	-1.05e-04	0.0	3.81e-05
1848	309	-0.01	0.16	-0.25	-5.64e-05	0.0	2.19e-05
1848	310	-0.01	0.26	-0.33	-8.84e-05	0.0	3.80e-05
1849	44	-0.92	0.26	-1.06	-1.78e-04	0.0	1.40e-04
1849	52	-0.04	1.05	-1.22	-3.01e-04	0.0	1.40e-04
1849	68	-0.03	1.35	-1.10	-3.16e-04	0.0	1.08e-04
1849	124	-8.36	-1.59	-0.72	1.05e-04	0.0	9.69e-05
1849	139	-1.24	8.82	-0.99	-1.27e-03	0.0	-6.48e-05
1849	156	-9.40	-1.82	-0.73	1.34e-04	0.0	9.90e-05
1849	171	-1.38	9.93	-1.03	-1.42e-03	0.0	-8.16e-05
1849	188	-9.27	-1.86	-0.73	1.39e-04	0.0	9.59e-05
1849	203	-1.32	10.10	-1.04	-1.44e-03	0.0	-7.10e-05
1849	212	-10.82	2.80	-0.89	-4.72e-04	0.0	-2.73e-04
1849	235	-1.52	11.92	-1.10	-1.69e-03	0.0	-9.32e-05
1849	264	-0.62	0.19	-0.74	-1.25e-04	0.0	9.69e-05
1849	268	-0.03	0.71	-0.85	-2.06e-04	0.0	9.69e-05
1849	276	-0.02	0.91	-0.77	-2.17e-04	0.0	7.51e-05
1849	298	-0.03	0.27	-0.69	-1.27e-04	0.0	8.27e-05
1849	305	-0.15	0.24	-0.66	-1.18e-04	0.0	7.92e-05
1849	307	-0.03	0.38	-0.67	-1.36e-04	0.0	7.49e-05
1849	310	-0.03	0.26	-0.66	-1.20e-04	0.0	7.67e-05
1850	44	-1.18	0.38	-1.19	-5.77e-04	0.0	-8.94e-06
1850	52	-0.30	1.22	-1.38	-7.27e-04	0.0	-2.55e-05
1850	68	-0.25	1.53	-1.24	-6.35e-04	0.0	-1.60e-05
1850	116	-8.97	2.61	-0.93	-5.06e-04	0.0	-3.18e-04
1850	139	-1.50	9.44	-1.10	-1.04e-03	0.0	1.12e-04
1850	148	-10.06	2.88	-0.96	-5.21e-04	0.0	-3.57e-04
1850	171	-1.65	10.62	-1.14	-1.13e-03	0.0	1.29e-04
1850	180	-9.93	2.72	-0.95	-5.09e-04	0.0	-3.58e-04
1850	203	-1.60	10.80	-1.15	-1.14e-03	0.0	1.34e-04
1850	212	-11.57	3.04	-0.98	-5.26e-04	0.0	-4.21e-04
1850	235	-1.82	12.74	-1.22	-1.28e-03	0.0	1.63e-04
1850	264	-0.80	0.27	-0.84	-4.01e-04	0.0	-6.42e-06
1850	268	-0.21	0.83	-0.96	-5.01e-04	0.0	-1.74e-05
1850	276	-0.18	1.04	-0.87	-4.39e-04	0.0	-1.11e-05

1850	298	-0.18	0.35	-0.78	-3.92e-04	0.0	-1.68e-05
1850	305	-0.29	0.31	-0.75	-3.66e-04	0.0	-1.35e-05
1850	307	-0.17	0.46	-0.75	-3.74e-04	0.0	-1.44e-05
1850	310	-0.17	0.33	-0.75	-3.66e-04	0.0	-1.53e-05
1851	44	-0.95	0.31	-0.76	-1.55e-04	0.0	8.15e-05
1851	52	-0.08	1.09	-0.90	-2.75e-04	0.0	7.78e-05
1851	68	-0.06	1.39	-0.82	-2.96e-04	0.0	6.28e-05
1851	124	-8.36	-1.57	-0.34	1.28e-04	0.0	1.28e-05
1851	139	-1.26	8.88	-0.65	-1.24e-03	0.0	1.56e-04
1851	141	3.42	7.97	-0.70	-1.11e-03	0.0	1.88e-04
1851	156	-9.39	-1.81	-0.32	1.58e-04	0.0	8.51e-06
1851	171	-1.40	10.00	-0.67	-1.39e-03	0.0	1.72e-04
1851	173	3.86	8.97	-0.73	-1.25e-03	0.0	2.07e-04
1851	188	-9.26	-1.84	-0.33	1.64e-04	0.0	3.90e-06
1851	203	-1.35	10.17	-0.68	-1.41e-03	0.0	1.75e-04
1851	205	3.83	9.18	-0.73	-1.27e-03	0.0	2.10e-04
1851	212	-10.81	2.70	-0.36	-4.19e-04	0.0	-3.07e-04
1851	235	-1.54	12.01	-0.71	-1.66e-03	0.0	2.01e-04
1851	237	4.49	10.85	-0.78	-1.49e-03	0.0	2.42e-04
1851	264	-0.64	0.22	-0.54	-1.08e-04	0.0	5.62e-05
1851	268	-0.05	0.74	-0.63	-1.88e-04	0.0	5.37e-05
1851	276	-0.04	0.94	-0.57	-2.02e-04	0.0	4.38e-05
1851	298	-0.05	0.30	-0.51	-1.12e-04	0.0	4.43e-05
1851	305	-0.17	0.26	-0.49	-1.03e-04	0.0	4.33e-05
1851	307	-0.05	0.40	-0.49	-1.22e-04	0.0	4.08e-05
1851	310	-0.05	0.28	-0.49	-1.05e-04	0.0	4.11e-05
1852	44	-1.18	0.39	-0.84	-2.81e-04	0.0	7.03e-06
1852	52	-0.30	1.23	-0.99	-3.68e-04	0.0	-6.43e-06
1852	68	-0.25	1.54	-0.90	-3.44e-04	0.0	0.0
1852	116	-8.98	2.51	-0.44	-3.73e-04	0.0	-3.01e-04
1852	139	-1.50	9.49	-0.71	-9.16e-04	0.0	1.21e-04
1852	141	3.46	8.51	-0.76	-8.14e-04	0.0	1.63e-04
1852	148	-10.06	2.76	-0.43	-3.95e-04	0.0	-3.38e-04
1852	171	-1.65	10.68	-0.73	-1.01e-03	0.0	1.38e-04
1852	173	3.92	9.58	-0.79	-8.98e-04	0.0	1.85e-04
1852	180	-9.93	2.60	-0.43	-3.82e-04	0.0	-3.39e-04
1852	203	-1.60	10.87	-0.73	-1.03e-03	0.0	1.43e-04
1852	205	3.89	9.80	-0.79	-9.15e-04	0.0	1.89e-04
1852	212	-11.57	2.91	-0.41	-4.11e-04	0.0	-4.01e-04
1852	235	-1.82	12.82	-0.77	-1.18e-03	0.0	1.71e-04
1852	237	4.57	11.58	-0.84	-1.05e-03	0.0	2.25e-04
1852	264	-0.80	0.27	-0.59	-1.96e-04	0.0	4.64e-06
1852	268	-0.21	0.84	-0.69	-2.54e-04	0.0	-4.34e-06
1852	276	-0.18	1.04	-0.63	-2.38e-04	0.0	0.0
1852	298	-0.18	0.35	-0.56	-1.86e-04	0.0	-6.01e-06
1852	305	-0.29	0.31	-0.54	-1.75e-04	0.0	-3.42e-06
1852	307	-0.17	0.47	-0.55	-1.83e-04	0.0	-4.47e-06
1852	310	-0.17	0.33	-0.54	-1.75e-04	0.0	-5.37e-06
1853	44	-0.96	0.34	-0.58	-1.35e-04	0.0	6.01e-05
1853	52	-0.09	1.12	-0.72	-2.52e-04	0.0	5.49e-05
1853	68	-0.07	1.41	-0.66	-2.78e-04	0.0	4.63e-05
1853	116	-8.36	2.25	-0.04	-3.31e-04	0.0	-2.32e-04
1853	125	8.08	2.98	-0.80	-4.23e-04	0.0	2.84e-05
1853	139	-1.27	8.97	-0.46	-1.21e-03	0.0	1.70e-04
1853	156	-9.39	-1.81	0.06	1.78e-04	0.0	-1.74e-05
1853	157	9.09	3.33	-0.86	-4.66e-04	0.0	2.88e-05
1853	171	-1.42	10.09	-0.47	-1.36e-03	0.0	1.89e-04
1853	188	-9.26	-1.85	0.05	1.84e-04	0.0	-2.23e-05
1853	189	8.95	3.39	-0.85	-4.73e-04	0.0	3.13e-05
1853	203	-1.36	10.27	-0.48	-1.38e-03	0.0	1.94e-04
1853	212	-10.81	2.60	0.07	-3.70e-04	0.0	-3.23e-04
1853	221	10.42	3.97	-0.93	-5.45e-04	0.0	3.37e-05
1853	235	-1.56	12.12	-0.50	-1.62e-03	0.0	2.25e-04
1853	264	-0.65	0.24	-0.41	-9.44e-05	0.0	4.14e-05
1853	268	-0.06	0.76	-0.51	-1.72e-04	0.0	3.79e-05
1853	276	-0.05	0.95	-0.46	-1.90e-04	0.0	3.22e-05
1853	298	-0.06	0.31	-0.41	-9.82e-05	0.0	3.02e-05
1853	305	-0.17	0.27	-0.39	-9.06e-05	0.0	3.02e-05
1853	307	-0.06	0.42	-0.40	-1.10e-04	0.0	2.84e-05
1853	310	-0.06	0.29	-0.40	-9.26e-05	0.0	2.82e-05
1854	44	-1.18	0.40	-0.64	-2.36e-04	0.0	1.73e-05
1854	52	-0.30	1.24	-0.80	-3.11e-04	0.0	5.68e-06
1854	68	-0.25	1.55	-0.73	-3.00e-04	0.0	8.58e-06
1854	116	-8.98	2.41	-0.07	-3.39e-04	0.0	-2.94e-04
1854	125	8.42	3.18	-0.86	-3.38e-04	0.0	1.34e-06

1854	139	-1.50	9.55	-0.51	-9.78e-04	0.0	1.26e-04
1854	148	-10.06	2.65	-0.03	-3.61e-04	0.0	-3.32e-04
1854	157	9.49	3.56	-0.91	-3.64e-04	0.0	1.75e-06
1854	171	-1.65	10.75	-0.52	-1.09e-03	0.0	1.42e-04
1854	180	-9.93	2.49	-0.03	-3.47e-04	0.0	-3.33e-04
1854	189	9.35	3.62	-0.90	-3.72e-04	0.0	4.00e-06
1854	203	-1.60	10.94	-0.53	-1.10e-03	0.0	1.47e-04
1854	212	-11.57	2.77	0.04	-3.73e-04	0.0	-3.95e-04
1854	221	10.90	4.23	-0.98	-4.15e-04	0.0	6.13e-06
1854	235	-1.82	12.90	-0.55	-1.28e-03	0.0	1.75e-04
1854	264	-0.80	0.28	-0.46	-1.65e-04	0.0	1.17e-05
1854	268	-0.21	0.84	-0.56	-2.15e-04	0.0	4.00e-06
1854	276	-0.18	1.05	-0.51	-2.08e-04	0.0	5.93e-06
1854	298	-0.18	0.36	-0.46	-1.53e-04	0.0	0.0
1854	305	-0.29	0.32	-0.43	-1.44e-04	0.0	3.03e-06
1854	307	-0.17	0.47	-0.44	-1.53e-04	0.0	1.87e-06
1854	310	-0.17	0.34	-0.44	-1.45e-04	0.0	1.04e-06
1855	4	0.15	0.61	-0.62	-1.61e-04	0.0	4.49e-05
1855	44	-0.97	0.36	-0.45	-1.20e-04	0.0	5.63e-05
1855	68	-0.08	1.43	-0.57	-2.64e-04	0.0	4.33e-05
1855	116	-8.36	2.18	0.40	-2.98e-04	0.0	-2.35e-04
1855	121	8.23	2.18	-1.11	-3.26e-04	0.0	6.68e-05
1855	139	-1.28	9.05	-0.31	-1.18e-03	0.0	1.70e-04
1855	153	9.27	2.43	-1.21	-3.58e-04	0.0	7.27e-05
1855	156	-9.39	-1.82	0.53	1.92e-04	0.0	-2.10e-05
1855	171	-1.42	10.18	-0.31	-1.33e-03	0.0	1.89e-04
1855	185	9.14	2.47	-1.19	-3.64e-04	0.0	7.76e-05
1855	188	-9.26	-1.87	0.52	1.99e-04	0.0	-2.59e-05
1855	203	-1.36	10.37	-0.32	-1.35e-03	0.0	1.94e-04
1855	212	-10.81	2.49	0.62	-3.31e-04	0.0	-3.25e-04
1855	217	10.65	2.90	-1.34	-4.20e-04	0.0	9.09e-05
1855	235	-1.56	12.24	-0.32	-1.58e-03	0.0	2.26e-04
1855	244	0.10	0.42	-0.44	-1.11e-04	0.0	3.11e-05
1855	264	-0.65	0.25	-0.32	-8.37e-05	0.0	3.88e-05
1855	276	-0.06	0.97	-0.40	-1.80e-04	0.0	3.01e-05
1855	298	-0.06	0.32	-0.35	-8.77e-05	0.0	2.77e-05
1855	305	-0.18	0.29	-0.33	-8.08e-05	0.0	2.79e-05
1855	307	-0.06	0.43	-0.34	-1.00e-04	0.0	2.62e-05
1855	310	-0.06	0.30	-0.34	-8.28e-05	0.0	2.59e-05
1856	4	-0.04	0.68	-0.69	-2.63e-04	0.0	6.43e-06
1856	44	-1.18	0.41	-0.51	-2.25e-04	0.0	2.46e-05
1856	68	-0.25	1.55	-0.63	-2.90e-04	0.0	1.53e-05
1856	116	-8.98	2.31	0.34	-3.43e-04	0.0	-2.89e-04
1856	121	8.60	2.33	-1.12	-2.47e-04	0.0	5.41e-05
1856	139	-1.50	9.60	-0.36	-1.03e-03	0.0	1.30e-04
1856	148	-10.07	2.53	0.43	-3.67e-04	0.0	-3.27e-04
1856	153	9.70	2.59	-1.22	-2.62e-04	0.0	6.10e-05
1856	171	-1.66	10.81	-0.36	-1.15e-03	0.0	1.46e-04
1856	180	-9.94	2.38	0.42	-3.52e-04	0.0	-3.28e-04
1856	185	9.56	2.64	-1.21	-2.69e-04	0.0	6.60e-05
1856	203	-1.60	11.00	-0.37	-1.17e-03	0.0	1.50e-04
1856	212	-11.58	2.64	0.56	-3.80e-04	0.0	-3.89e-04
1856	217	11.16	3.09	-1.34	-2.96e-04	0.0	8.08e-05
1856	235	-1.82	12.99	-0.37	-1.36e-03	0.0	1.78e-04
1856	244	-0.03	0.47	-0.48	-1.83e-04	0.0	4.66e-06
1856	264	-0.80	0.29	-0.36	-1.58e-04	0.0	1.68e-05
1856	276	-0.18	1.05	-0.44	-2.01e-04	0.0	1.06e-05
1856	298	-0.18	0.36	-0.39	-1.44e-04	0.0	6.02e-06
1856	305	-0.29	0.32	-0.36	-1.37e-04	0.0	7.70e-06
1856	307	-0.17	0.47	-0.38	-1.45e-04	0.0	6.47e-06
1856	310	-0.17	0.34	-0.37	-1.37e-04	0.0	5.69e-06
1857	28	-0.46	0.11	-0.48	-2.03e-04	0.0	-3.49e-05
1857	44	-0.68	0.06	-0.47	-1.68e-04	0.0	-2.36e-05
1857	68	-0.09	0.74	-0.39	-3.07e-04	0.0	-2.93e-05
1857	116	-5.32	0.95	-1.00	-3.47e-04	0.0	-1.95e-04
1857	139	-0.87	5.66	-0.54	-1.66e-03	0.0	-1.10e-04
1857	148	-5.97	1.05	-1.10	-3.73e-04	0.0	-2.17e-04
1857	156	-5.97	-1.33	-1.08	2.63e-04	0.0	-2.43e-05
1857	171	-0.97	6.39	-0.58	-1.86e-03	0.0	-1.20e-04
1857	180	-5.88	0.96	-1.09	-3.49e-04	0.0	-2.14e-04
1857	188	-5.88	-1.37	-1.07	2.73e-04	0.0	-2.64e-05
1857	203	-0.93	6.52	-0.58	-1.90e-03	0.0	-1.14e-04
1857	212	-6.86	1.06	-1.23	-3.76e-04	0.0	-2.48e-04
1857	235	-1.07	7.72	-0.64	-2.23e-03	0.0	-1.28e-04
1857	256	-0.31	0.07	-0.33	-1.41e-04	0.0	-2.42e-05

1857	264	-0.46	0.04	-0.33	-1.17e-04	0.0	-1.67e-05
1857	276	-0.07	0.50	-0.27	-2.10e-04	0.0	-2.05e-05
1857	305	-0.14	0.07	-0.25	-1.09e-04	0.0	-2.03e-05
1857	307	-0.06	0.16	-0.24	-1.28e-04	0.0	-2.11e-05
1857	310	-0.06	0.08	-0.24	-1.11e-04	0.0	-2.19e-05
1858	28	-0.46	0.09	-0.45	-1.75e-04	0.0	-3.55e-05
1858	44	-0.68	0.05	-0.42	-1.45e-04	0.0	-2.42e-05
1858	68	-0.10	0.73	-0.38	-2.86e-04	0.0	-2.98e-05
1858	115	-4.71	3.02	-0.58	-8.91e-04	0.0	-9.69e-05
1858	116	-5.32	0.88	-0.55	-3.14e-04	0.0	-1.96e-04
1858	139	-0.87	5.65	-0.37	-1.62e-03	0.0	-1.09e-04
1858	147	-5.28	3.39	-0.62	-9.91e-04	0.0	-1.06e-04
1858	156	-5.97	-1.35	-0.57	2.76e-04	0.0	-2.40e-05
1858	171	-0.97	6.38	-0.39	-1.81e-03	0.0	-1.20e-04
1858	179	-5.19	3.39	-0.62	-9.90e-04	0.0	-1.01e-04
1858	188	-5.89	-1.39	-0.57	2.86e-04	0.0	-2.61e-05
1858	203	-0.94	6.50	-0.39	-1.85e-03	0.0	-1.13e-04
1858	211	-6.03	3.98	-0.68	-1.15e-03	0.0	-1.12e-04
1858	212	-6.86	0.97	-0.64	-3.38e-04	0.0	-2.49e-04
1858	235	-1.07	7.71	-0.41	-2.18e-03	0.0	-1.27e-04
1858	256	-0.31	0.06	-0.31	-1.22e-04	0.0	-2.47e-05
1858	264	-0.46	0.03	-0.29	-1.01e-04	0.0	-1.71e-05
1858	276	-0.07	0.49	-0.27	-1.95e-04	0.0	-2.09e-05
1858	298	-0.07	0.07	-0.25	-1.02e-04	0.0	-2.37e-05
1858	305	-0.14	0.06	-0.24	-9.46e-05	0.0	-2.07e-05
1858	307	-0.06	0.15	-0.24	-1.13e-04	0.0	-2.14e-05
1858	310	-0.06	0.07	-0.23	-9.60e-05	0.0	-2.23e-05
1859	28	-0.55	0.22	-0.53	-1.98e-04	0.0	-7.51e-05
1859	44	-0.79	0.15	-0.51	-1.63e-04	0.0	-5.71e-05
1859	68	-0.14	0.91	-0.43	-3.03e-04	0.0	-6.03e-05
1859	116	-5.97	1.14	-1.06	-3.30e-04	0.0	-2.48e-04
1859	139	-1.00	6.55	-0.58	-1.59e-03	0.0	-1.47e-04
1859	148	-6.70	1.25	-1.16	-3.54e-04	0.0	-2.74e-04
1859	171	-1.10	7.38	-0.62	-1.78e-03	0.0	-1.59e-04
1859	180	-6.60	1.15	-1.14	-3.32e-04	0.0	-2.69e-04
1859	203	-1.07	7.53	-0.62	-1.81e-03	0.0	-1.50e-04
1859	212	-7.70	1.27	-1.29	-3.56e-04	0.0	-3.09e-04
1859	235	-1.22	8.91	-0.68	-2.13e-03	0.0	-1.65e-04
1859	256	-0.37	0.15	-0.37	-1.37e-04	0.0	-5.20e-05
1859	264	-0.53	0.11	-0.36	-1.14e-04	0.0	-4.00e-05
1859	276	-0.10	0.61	-0.30	-2.07e-04	0.0	-4.21e-05
1859	305	-0.18	0.13	-0.28	-1.06e-04	0.0	-4.17e-05
1859	307	-0.09	0.23	-0.27	-1.25e-04	0.0	-4.21e-05
1859	310	-0.09	0.14	-0.26	-1.08e-04	0.0	-4.33e-05
1860	28	-0.55	0.18	-0.50	-1.76e-04	0.0	-7.55e-05
1860	44	-0.79	0.12	-0.47	-1.45e-04	0.0	-5.74e-05
1860	68	-0.14	0.88	-0.43	-2.86e-04	0.0	-6.05e-05
1860	115	-5.29	3.49	-0.64	-8.65e-04	0.0	-1.43e-04
1860	116	-5.97	1.05	-0.60	-3.02e-04	0.0	-2.49e-04
1860	139	-1.00	6.51	-0.41	-1.56e-03	0.0	-1.48e-04
1860	147	-5.92	3.92	-0.69	-9.61e-04	0.0	-1.55e-04
1860	148	-6.70	1.15	-0.64	-3.25e-04	0.0	-2.74e-04
1860	171	-1.10	7.34	-0.43	-1.75e-03	0.0	-1.61e-04
1860	179	-5.82	3.91	-0.68	-9.61e-04	0.0	-1.49e-04
1860	180	-6.60	1.05	-0.64	-3.03e-04	0.0	-2.70e-04
1860	203	-1.07	7.49	-0.43	-1.79e-03	0.0	-1.52e-04
1860	211	-6.77	4.59	-0.75	-1.12e-03	0.0	-1.65e-04
1860	212	-7.70	1.15	-0.70	-3.24e-04	0.0	-3.09e-04
1860	235	-1.22	8.86	-0.46	-2.10e-03	0.0	-1.68e-04
1860	256	-0.37	0.13	-0.35	-1.22e-04	0.0	-5.23e-05
1860	264	-0.53	0.09	-0.33	-1.01e-04	0.0	-4.02e-05
1860	276	-0.10	0.59	-0.30	-1.95e-04	0.0	-4.23e-05
1860	298	-0.10	0.12	-0.27	-1.02e-04	0.0	-4.64e-05
1860	305	-0.18	0.11	-0.27	-9.48e-05	0.0	-4.19e-05
1860	307	-0.09	0.21	-0.26	-1.14e-04	0.0	-4.23e-05
1860	310	-0.09	0.12	-0.26	-9.62e-05	0.0	-4.35e-05
1861	28	-0.63	0.33	-0.56	-1.87e-04	0.0	-1.04e-04
1861	44	-0.88	0.24	-0.54	-1.54e-04	0.0	-8.14e-05
1861	68	-0.18	1.07	-0.46	-2.95e-04	0.0	-8.30e-05
1861	116	-6.62	1.32	-1.10	-3.05e-04	0.0	-2.91e-04
1861	139	-1.11	7.37	-0.61	-1.48e-03	0.0	-1.76e-04
1861	148	-7.42	1.44	-1.20	-3.27e-04	0.0	-3.19e-04
1861	171	-1.23	8.31	-0.65	-1.66e-03	0.0	-1.90e-04
1861	180	-7.32	1.33	-1.18	-3.06e-04	0.0	-3.14e-04
1861	203	-1.19	8.47	-0.64	-1.70e-03	0.0	-1.80e-04

1861	212	-8.54	1.45	-1.33	-3.28e-04	0.0	-3.59e-04
1861	235	-1.36	10.02	-0.70	-1.99e-03	0.0	-1.98e-04
1861	256	-0.43	0.23	-0.39	-1.30e-04	0.0	-7.23e-05
1861	264	-0.60	0.17	-0.38	-1.08e-04	0.0	-5.69e-05
1861	276	-0.13	0.72	-0.32	-2.01e-04	0.0	-5.79e-05
1861	298	-0.12	0.21	-0.29	-1.09e-04	0.0	-6.30e-05
1861	305	-0.21	0.19	-0.29	-1.01e-04	0.0	-5.72e-05
1861	307	-0.12	0.30	-0.28	-1.20e-04	0.0	-5.75e-05
1861	310	-0.12	0.20	-0.28	-1.02e-04	0.0	-5.90e-05
1862	28	-0.63	0.28	-0.53	-1.77e-04	0.0	-1.05e-04
1862	44	-0.88	0.20	-0.50	-1.46e-04	0.0	-8.22e-05
1862	68	-0.18	1.03	-0.46	-2.87e-04	0.0	-8.36e-05
1862	115	-5.86	3.95	-0.68	-8.28e-04	0.0	-1.73e-04
1862	116	-6.62	1.21	-0.64	-2.87e-04	0.0	-2.92e-04
1862	139	-1.11	7.32	-0.44	-1.48e-03	0.0	-1.79e-04
1862	147	-6.57	4.42	-0.73	-9.20e-04	0.0	-1.86e-04
1862	148	-7.42	1.32	-0.69	-3.07e-04	0.0	-3.20e-04
1862	171	-1.23	8.25	-0.46	-1.66e-03	0.0	-1.93e-04
1862	179	-6.45	4.42	-0.72	-9.20e-04	0.0	-1.80e-04
1862	180	-7.32	1.21	-0.68	-2.87e-04	0.0	-3.15e-04
1862	203	-1.19	8.42	-0.46	-1.70e-03	0.0	-1.83e-04
1862	211	-7.50	5.18	-0.80	-1.07e-03	0.0	-1.98e-04
1862	212	-8.54	1.32	-0.74	-3.06e-04	0.0	-3.60e-04
1862	235	-1.36	9.96	-0.49	-1.99e-03	0.0	-2.01e-04
1862	256	-0.43	0.19	-0.37	-1.23e-04	0.0	-7.29e-05
1862	264	-0.60	0.14	-0.35	-1.02e-04	0.0	-5.74e-05
1862	276	-0.13	0.70	-0.32	-1.96e-04	0.0	-5.84e-05
1862	298	-0.12	0.18	-0.29	-1.03e-04	0.0	-6.35e-05
1862	305	-0.21	0.16	-0.29	-9.54e-05	0.0	-5.77e-05
1862	307	-0.12	0.27	-0.28	-1.14e-04	0.0	-5.79e-05
1862	310	-0.12	0.17	-0.28	-9.68e-05	0.0	-5.95e-05
1863	28	-0.47	0.07	-0.48	-1.40e-04	0.0	-3.74e-05
1863	44	-0.68	0.04	-0.43	-1.15e-04	0.0	-2.59e-05
1863	68	-0.10	0.71	-0.43	-2.59e-04	0.0	-3.15e-05
1863	116	-5.32	0.81	-0.39	-2.72e-04	0.0	-1.97e-04
1863	119	-4.81	3.41	-0.41	-9.62e-04	0.0	-1.64e-04
1863	139	-0.87	5.63	-0.34	-1.56e-03	0.0	-1.09e-04
1863	151	-5.40	3.83	-0.42	-1.07e-03	0.0	-1.81e-04
1863	156	-5.97	-1.36	-0.39	2.91e-04	0.0	-2.28e-05
1863	171	-0.97	6.36	-0.35	-1.75e-03	0.0	-1.19e-04
1863	183	-5.31	3.83	-0.42	-1.08e-03	0.0	-1.75e-04
1863	188	-5.89	-1.40	-0.38	3.02e-04	0.0	-2.48e-05
1863	203	-0.94	6.49	-0.35	-1.79e-03	0.0	-1.12e-04
1863	212	-6.86	0.89	-0.42	-2.91e-04	0.0	-2.50e-04
1863	215	-6.18	4.50	-0.45	-1.25e-03	0.0	-2.00e-04
1863	235	-1.07	7.69	-0.37	-2.11e-03	0.0	-1.25e-04
1863	256	-0.31	0.05	-0.34	-9.73e-05	0.0	-2.60e-05
1863	264	-0.46	0.03	-0.31	-8.06e-05	0.0	-1.83e-05
1863	276	-0.07	0.48	-0.30	-1.76e-04	0.0	-2.21e-05
1863	298	-0.07	0.06	-0.27	-8.20e-05	0.0	-2.48e-05
1863	305	-0.14	0.05	-0.26	-7.60e-05	0.0	-2.18e-05
1863	307	-0.06	0.14	-0.26	-9.51e-05	0.0	-2.25e-05
1863	310	-0.06	0.05	-0.26	-7.73e-05	0.0	-2.33e-05
1864	28	-0.55	0.15	-0.54	-1.48e-04	0.0	-7.52e-05
1864	44	-0.79	0.10	-0.48	-1.22e-04	0.0	-5.73e-05
1864	68	-0.14	0.85	-0.48	-2.64e-04	0.0	-6.02e-05
1864	116	-5.97	0.96	-0.43	-2.68e-04	0.0	-2.50e-04
1864	119	-5.40	3.92	-0.45	-9.43e-04	0.0	-2.19e-04
1864	139	-1.00	6.46	-0.38	-1.53e-03	0.0	-1.56e-04
1864	148	-6.70	1.05	-0.45	-2.88e-04	0.0	-2.76e-04
1864	151	-6.05	4.40	-0.47	-1.05e-03	0.0	-2.41e-04
1864	171	-1.10	7.29	-0.39	-1.72e-03	0.0	-1.69e-04
1864	180	-6.60	0.96	-0.44	-2.66e-04	0.0	-2.71e-04
1864	183	-5.95	4.40	-0.47	-1.05e-03	0.0	-2.33e-04
1864	203	-1.07	7.44	-0.39	-1.75e-03	0.0	-1.61e-04
1864	212	-7.70	1.04	-0.47	-2.85e-04	0.0	-3.10e-04
1864	215	-6.93	5.16	-0.50	-1.22e-03	0.0	-2.64e-04
1864	235	-1.22	8.81	-0.41	-2.06e-03	0.0	-1.78e-04
1864	256	-0.37	0.10	-0.38	-1.03e-04	0.0	-5.21e-05
1864	264	-0.53	0.07	-0.34	-8.51e-05	0.0	-4.02e-05
1864	276	-0.10	0.57	-0.34	-1.80e-04	0.0	-4.21e-05
1864	298	-0.10	0.10	-0.30	-8.62e-05	0.0	-4.63e-05
1864	305	-0.18	0.09	-0.29	-8.00e-05	0.0	-4.17e-05
1864	307	-0.09	0.19	-0.29	-9.90e-05	0.0	-4.21e-05
1864	310	-0.09	0.10	-0.29	-8.13e-05	0.0	-4.34e-05

1865	28	-0.63	0.23	-0.57	-1.62e-04	0.0	-1.05e-04
1865	44	-0.89	0.16	-0.52	-1.33e-04	0.0	-8.22e-05
1865	68	-0.18	0.99	-0.51	-2.75e-04	0.0	-8.32e-05
1865	116	-6.62	1.10	-0.46	-2.63e-04	0.0	-2.94e-04
1865	119	-5.99	4.42	-0.49	-9.17e-04	0.0	-2.59e-04
1865	139	-1.11	7.26	-0.41	-1.48e-03	0.0	-1.87e-04
1865	148	-7.42	1.20	-0.48	-2.82e-04	0.0	-3.22e-04
1865	151	-6.71	4.96	-0.51	-1.02e-03	0.0	-2.83e-04
1865	171	-1.23	8.19	-0.42	-1.66e-03	0.0	-2.02e-04
1865	180	-7.32	1.10	-0.48	-2.61e-04	0.0	-3.17e-04
1865	183	-6.60	4.96	-0.50	-1.02e-03	0.0	-2.75e-04
1865	203	-1.19	8.36	-0.42	-1.70e-03	0.0	-1.93e-04
1865	212	-8.54	1.19	-0.50	-2.78e-04	0.0	-3.61e-04
1865	215	-7.68	5.81	-0.54	-1.19e-03	0.0	-3.10e-04
1865	235	-1.36	9.90	-0.44	-2.00e-03	0.0	-2.13e-04
1865	256	-0.43	0.16	-0.40	-1.12e-04	0.0	-7.29e-05
1865	264	-0.60	0.11	-0.36	-9.31e-05	0.0	-5.74e-05
1865	276	-0.13	0.67	-0.36	-1.88e-04	0.0	-5.81e-05
1865	298	-0.12	0.15	-0.32	-9.39e-05	0.0	-6.34e-05
1865	305	-0.21	0.13	-0.31	-8.72e-05	0.0	-5.77e-05
1865	307	-0.12	0.24	-0.31	-1.06e-04	0.0	-5.78e-05
1865	310	-0.12	0.14	-0.31	-8.85e-05	0.0	-5.94e-05
1866	44	-0.69	0.02	-0.50	-8.59e-05	0.0	-3.18e-05
1866	52	-0.12	0.46	-0.58	-1.92e-04	0.0	-4.75e-05
1866	68	-0.10	0.70	-0.52	-2.32e-04	0.0	-3.76e-05
1866	116	-5.32	0.74	-0.28	-2.29e-04	0.0	-2.02e-04
1866	139	-0.88	5.61	-0.38	-1.49e-03	0.0	-1.15e-04
1866	141	2.10	5.11	-0.39	-1.37e-03	0.0	-9.12e-05
1866	156	-5.97	-1.38	-0.27	3.05e-04	0.0	-2.24e-05
1866	171	-0.97	6.33	-0.39	-1.68e-03	0.0	-1.25e-04
1866	173	2.37	5.77	-0.40	-1.54e-03	0.0	-9.87e-05
1866	188	-5.89	-1.42	-0.27	3.16e-04	0.0	-2.41e-05
1866	203	-0.94	6.46	-0.39	-1.72e-03	0.0	-1.18e-04
1866	205	2.35	5.92	-0.41	-1.58e-03	0.0	-9.20e-05
1866	212	-6.87	0.80	-0.26	-2.42e-04	0.0	-2.53e-04
1866	235	-1.07	7.66	-0.41	-2.03e-03	0.0	-1.31e-04
1866	237	2.75	7.03	-0.42	-1.86e-03	0.0	-1.01e-04
1866	264	-0.46	0.02	-0.35	-6.01e-05	0.0	-2.25e-05
1866	268	-0.08	0.31	-0.41	-1.31e-04	0.0	-3.30e-05
1866	276	-0.07	0.47	-0.37	-1.57e-04	0.0	-2.63e-05
1866	298	-0.07	0.05	-0.33	-6.19e-05	0.0	-2.86e-05
1866	305	-0.14	0.04	-0.31	-5.73e-05	0.0	-2.54e-05
1866	307	-0.06	0.13	-0.32	-7.67e-05	0.0	-2.61e-05
1866	310	-0.07	0.04	-0.31	-5.85e-05	0.0	-2.70e-05
1867	44	-0.79	0.07	-0.56	-9.82e-05	0.0	-5.64e-05
1867	52	-0.17	0.57	-0.65	-2.06e-04	0.0	-7.53e-05
1867	68	-0.14	0.82	-0.58	-2.43e-04	0.0	-5.90e-05
1867	116	-5.97	0.87	-0.31	-2.32e-04	0.0	-2.52e-04
1867	139	-1.00	6.40	-0.43	-1.49e-03	0.0	-1.70e-04
1867	141	2.32	5.84	-0.44	-1.36e-03	0.0	-1.38e-04
1867	148	-6.70	0.95	-0.31	-2.50e-04	0.0	-2.78e-04
1867	171	-1.10	7.23	-0.44	-1.68e-03	0.0	-1.85e-04
1867	173	2.62	6.59	-0.45	-1.53e-03	0.0	-1.50e-04
1867	180	-6.61	0.86	-0.31	-2.29e-04	0.0	-2.72e-04
1867	203	-1.07	7.38	-0.44	-1.71e-03	0.0	-1.78e-04
1867	205	2.60	6.76	-0.45	-1.57e-03	0.0	-1.44e-04
1867	212	-7.70	0.93	-0.30	-2.44e-04	0.0	-3.11e-04
1867	235	-1.22	8.74	-0.45	-2.02e-03	0.0	-2.00e-04
1867	237	3.05	8.02	-0.47	-1.86e-03	0.0	-1.59e-04
1867	264	-0.53	0.05	-0.40	-6.87e-05	0.0	-3.96e-05
1867	268	-0.12	0.38	-0.46	-1.41e-04	0.0	-5.22e-05
1867	276	-0.10	0.55	-0.41	-1.65e-04	0.0	-4.13e-05
1867	298	-0.10	0.08	-0.37	-7.00e-05	0.0	-4.54e-05
1867	305	-0.18	0.07	-0.35	-6.49e-05	0.0	-4.10e-05
1867	307	-0.09	0.17	-0.35	-8.41e-05	0.0	-4.14e-05
1867	310	-0.09	0.08	-0.35	-6.61e-05	0.0	-4.27e-05
1868	44	-0.89	0.12	-0.60	-1.16e-04	0.0	-7.65e-05
1868	52	-0.21	0.68	-0.70	-2.26e-04	0.0	-9.85e-05
1868	68	-0.18	0.95	-0.62	-2.58e-04	0.0	-7.68e-05
1868	116	-6.62	0.99	-0.33	-2.37e-04	0.0	-2.93e-04
1868	139	-1.12	7.19	-0.46	-1.48e-03	0.0	-2.00e-04
1868	141	2.56	6.56	-0.47	-1.36e-03	0.0	-1.63e-04
1868	148	-7.42	1.08	-0.33	-2.53e-04	0.0	-3.22e-04
1868	171	-1.23	8.12	-0.47	-1.66e-03	0.0	-2.18e-04
1868	173	2.89	7.41	-0.48	-1.52e-03	0.0	-1.75e-04

1868	180	-7.32	0.98	-0.33	-2.33e-04	0.0	-3.16e-04
1868	203	-1.19	8.29	-0.47	-1.70e-03	0.0	-2.09e-04
1868	205	2.87	7.59	-0.48	-1.56e-03	0.0	-1.69e-04
1868	212	-8.54	1.06	-0.32	-2.47e-04	0.0	-3.60e-04
1868	235	-1.36	9.81	-0.49	-2.00e-03	0.0	-2.33e-04
1868	237	3.37	9.01	-0.50	-1.84e-03	0.0	-1.86e-04
1868	264	-0.60	0.09	-0.42	-8.08e-05	0.0	-5.35e-05
1868	268	-0.15	0.46	-0.49	-1.54e-04	0.0	-6.82e-05
1868	276	-0.13	0.64	-0.44	-1.76e-04	0.0	-5.38e-05
1868	298	-0.12	0.12	-0.39	-8.15e-05	0.0	-5.95e-05
1868	305	-0.21	0.10	-0.37	-7.57e-05	0.0	-5.40e-05
1868	307	-0.12	0.21	-0.38	-9.47e-05	0.0	-5.41e-05
1868	310	-0.12	0.11	-0.37	-7.70e-05	0.0	-5.58e-05
1869	44	-0.69	2.91e-03	-0.63	0.0	-1.99e-04	2.27e-05
1869	52	-0.12	0.43	-0.77	0.0	-1.03e-04	1.31e-05
1869	68	-0.10	0.68	-0.68	0.0	-8.89e-05	1.17e-05
1869	116	-5.32	0.67	-0.18	0.0	-1.22e-03	-1.96e-04
1869	125	5.09	1.67	-0.66	0.0	1.07e-03	1.30e-05
1869	139	-0.88	5.56	-0.48	0.0	-2.34e-04	4.56e-05
1869	156	-5.97	-1.40	-0.13	0.0	-1.35e-03	-3.53e-05
1869	157	5.73	1.88	-0.69	0.0	1.21e-03	1.40e-05
1869	171	-0.97	6.29	-0.49	0.0	-2.56e-04	5.09e-05
1869	188	-5.89	-1.44	-0.13	0.0	-1.34e-03	-3.77e-05
1869	189	5.64	1.93	-0.69	0.0	1.20e-03	1.47e-05
1869	203	-0.94	6.42	-0.49	0.0	-2.48e-04	5.19e-05
1869	212	-6.87	0.71	-0.11	0.0	-1.57e-03	-2.62e-04
1869	221	6.57	2.29	-0.74	0.0	1.40e-03	1.67e-05
1869	235	-1.08	7.62	-0.51	0.0	-2.78e-04	6.06e-05
1869	264	-0.46	2.76e-03	-0.44	0.0	-1.35e-04	1.55e-05
1869	268	-0.08	0.29	-0.53	0.0	-7.18e-05	9.10e-06
1869	276	-0.07	0.45	-0.48	0.0	-6.22e-05	8.16e-06
1869	298	-0.07	0.03	-0.43	0.0	-5.95e-05	7.05e-06
1869	305	-0.14	0.02	-0.41	0.0	-7.08e-05	8.23e-06
1869	307	-0.07	0.11	-0.41	0.0	-5.62e-05	6.76e-06
1869	310	-0.07	0.03	-0.41	0.0	-5.65e-05	6.67e-06
1870	44	-0.79	0.04	-0.70	0.0	-1.88e-04	2.75e-05
1870	52	-0.17	0.53	-0.85	0.0	-8.91e-05	1.83e-05
1870	68	-0.14	0.80	-0.75	0.0	-7.59e-05	1.64e-05
1870	116	-5.97	0.77	-0.22	0.0	-1.22e-03	-2.40e-04
1870	125	5.66	1.91	-0.71	0.0	1.09e-03	4.92e-05
1870	139	-1.00	6.33	-0.53	0.0	-2.26e-04	5.13e-05
1870	148	-6.70	0.85	-0.19	0.0	-1.37e-03	-2.72e-04
1870	157	6.38	2.16	-0.74	0.0	1.23e-03	5.42e-05
1870	171	-1.11	7.15	-0.55	0.0	-2.47e-04	5.70e-05
1870	180	-6.61	0.76	-0.19	0.0	-1.35e-03	-2.71e-04
1870	189	6.28	2.21	-0.74	0.0	1.21e-03	5.34e-05
1870	203	-1.07	7.30	-0.55	0.0	-2.39e-04	5.84e-05
1870	212	-7.70	0.82	-0.15	0.0	-1.57e-03	-3.21e-04
1870	221	7.32	2.62	-0.79	0.0	1.41e-03	6.10e-05
1870	235	-1.22	8.66	-0.57	0.0	-2.68e-04	6.81e-05
1870	264	-0.53	0.03	-0.49	0.0	-1.28e-04	1.88e-05
1870	268	-0.12	0.36	-0.59	0.0	-6.19e-05	1.27e-05
1870	276	-0.10	0.53	-0.53	0.0	-5.31e-05	1.15e-05
1870	298	-0.10	0.06	-0.47	0.0	-5.19e-05	9.78e-06
1870	305	-0.18	0.05	-0.45	0.0	-6.37e-05	1.09e-05
1870	307	-0.09	0.15	-0.45	0.0	-4.88e-05	9.41e-06
1870	310	-0.09	0.06	-0.45	0.0	-4.92e-05	9.27e-06
1871	44	-0.89	0.09	-0.75	0.0	-1.77e-04	3.07e-05
1871	52	-0.21	0.64	-0.90	0.0	-7.59e-05	2.16e-05
1871	68	-0.18	0.92	-0.80	0.0	-6.39e-05	1.94e-05
1871	116	-6.62	0.89	-0.25	0.0	-1.22e-03	-2.73e-04
1871	125	6.24	2.17	-0.75	0.0	1.09e-03	5.68e-05
1871	139	-1.12	7.12	-0.58	0.0	-2.17e-04	5.71e-05
1871	148	-7.42	0.97	-0.22	0.0	-1.36e-03	-3.09e-04
1871	157	7.03	2.44	-0.78	0.0	1.24e-03	6.26e-05
1871	171	-1.23	8.03	-0.59	0.0	-2.37e-04	6.34e-05
1871	180	-7.32	0.87	-0.22	0.0	-1.34e-03	-3.08e-04
1871	189	6.93	2.50	-0.78	0.0	1.22e-03	6.16e-05
1871	203	-1.19	8.20	-0.59	0.0	-2.29e-04	6.51e-05
1871	212	-8.54	0.94	-0.17	0.0	-1.56e-03	-3.65e-04
1871	221	8.08	2.95	-0.83	0.0	1.42e-03	7.05e-05
1871	235	-1.36	9.72	-0.62	0.0	-2.58e-04	7.59e-05
1871	264	-0.60	0.07	-0.52	0.0	-1.20e-04	2.10e-05
1871	268	-0.15	0.43	-0.63	0.0	-5.27e-05	1.50e-05
1871	276	-0.13	0.62	-0.56	0.0	-4.47e-05	1.36e-05

1871	298	-0.12	0.09	-0.50	0.0	-4.49e-05	1.15e-05
1871	305	-0.21	0.08	-0.48	0.0	-5.72e-05	1.26e-05
1871	307	-0.12	0.19	-0.48	0.0	-4.21e-05	1.11e-05
1871	310	-0.12	0.09	-0.48	0.0	-4.25e-05	1.09e-05
1872	28	-0.70	0.42	-0.58	-1.72e-04	0.0	-1.14e-04
1872	44	-0.97	0.32	-0.56	-1.41e-04	0.0	-8.87e-05
1872	68	-0.21	1.22	-0.48	-2.83e-04	0.0	-9.01e-05
1872	116	-7.23	1.47	-1.12	-2.77e-04	0.0	-3.16e-04
1872	139	-1.22	8.09	-0.62	-1.38e-03	0.0	-1.89e-04
1872	148	-8.10	1.60	-1.22	-2.97e-04	0.0	-3.47e-04
1872	171	-1.35	9.11	-0.66	-1.55e-03	0.0	-2.03e-04
1872	180	-7.99	1.48	-1.21	-2.78e-04	0.0	-3.43e-04
1872	203	-1.30	9.29	-0.66	-1.58e-03	0.0	-1.93e-04
1872	212	-9.31	1.61	-1.36	-2.97e-04	0.0	-3.92e-04
1872	235	-1.48	10.98	-0.72	-1.85e-03	0.0	-2.12e-04
1872	256	-0.48	0.29	-0.41	-1.19e-04	0.0	-7.87e-05
1872	264	-0.65	0.22	-0.39	-9.88e-05	0.0	-6.20e-05
1872	276	-0.15	0.82	-0.34	-1.93e-04	0.0	-6.29e-05
1872	298	-0.14	0.26	-0.31	-1.00e-04	0.0	-6.84e-05
1872	305	-0.24	0.24	-0.31	-9.28e-05	0.0	-6.22e-05
1872	307	-0.13	0.36	-0.29	-1.12e-04	0.0	-6.24e-05
1872	310	-0.14	0.25	-0.29	-9.43e-05	0.0	-6.40e-05
1873	28	-0.70	0.37	-0.56	-1.77e-04	0.0	-1.17e-04
1873	44	-0.97	0.28	-0.52	-1.46e-04	0.0	-9.13e-05
1873	68	-0.21	1.18	-0.48	-2.87e-04	0.0	-9.24e-05
1873	115	-6.40	4.35	-0.71	-7.89e-04	0.0	-1.82e-04
1873	116	-7.23	1.35	-0.67	-2.70e-04	0.0	-3.18e-04
1873	139	-1.22	8.04	-0.46	-1.40e-03	0.0	-1.91e-04
1873	147	-7.16	4.87	-0.76	-8.76e-04	0.0	-1.95e-04
1873	148	-8.10	1.47	-0.72	-2.89e-04	0.0	-3.49e-04
1873	171	-1.35	9.06	-0.48	-1.57e-03	0.0	-2.05e-04
1873	179	-7.04	4.87	-0.76	-8.77e-04	0.0	-1.89e-04
1873	180	-7.99	1.35	-0.71	-2.69e-04	0.0	-3.45e-04
1873	203	-1.30	9.24	-0.48	-1.60e-03	0.0	-1.95e-04
1873	211	-8.18	5.70	-0.83	-1.02e-03	0.0	-2.07e-04
1873	212	-9.31	1.47	-0.78	-2.86e-04	0.0	-3.94e-04
1873	235	-1.48	10.93	-0.51	-1.89e-03	0.0	-2.14e-04
1873	256	-0.48	0.26	-0.39	-1.23e-04	0.0	-8.07e-05
1873	264	-0.65	0.19	-0.36	-1.02e-04	0.0	-6.37e-05
1873	276	-0.15	0.79	-0.34	-1.96e-04	0.0	-6.45e-05
1873	298	-0.14	0.23	-0.31	-1.03e-04	0.0	-7.01e-05
1873	305	-0.24	0.21	-0.30	-9.53e-05	0.0	-6.38e-05
1873	307	-0.13	0.33	-0.29	-1.14e-04	0.0	-6.40e-05
1873	310	-0.14	0.22	-0.29	-9.67e-05	0.0	-6.56e-05
1874	28	-0.76	0.50	-0.61	-1.52e-04	0.0	-9.68e-05
1874	44	-1.05	0.38	-0.58	-1.24e-04	0.0	-7.41e-05
1874	68	-0.23	1.36	-0.50	-2.67e-04	0.0	-7.69e-05
1874	116	-7.82	1.60	-1.13	-2.49e-04	0.0	-3.24e-04
1874	139	-1.32	8.74	-0.64	-1.28e-03	0.0	-1.97e-04
1874	148	-8.77	1.74	-1.24	-2.66e-04	0.0	-3.57e-04
1874	171	-1.46	9.84	-0.68	-1.44e-03	0.0	-2.14e-04
1874	180	-8.66	1.61	-1.22	-2.48e-04	0.0	-3.54e-04
1874	203	-1.41	10.04	-0.67	-1.47e-03	0.0	-2.07e-04
1874	212	-10.09	1.75	-1.38	-2.65e-04	0.0	-4.07e-04
1874	235	-1.60	11.85	-0.73	-1.73e-03	0.0	-2.31e-04
1874	256	-0.52	0.35	-0.42	-1.05e-04	0.0	-6.69e-05
1874	264	-0.71	0.27	-0.41	-8.69e-05	0.0	-5.18e-05
1874	276	-0.16	0.92	-0.35	-1.82e-04	0.0	-5.36e-05
1874	298	-0.16	0.31	-0.32	-8.86e-05	0.0	-5.91e-05
1874	305	-0.26	0.28	-0.32	-8.21e-05	0.0	-5.34e-05
1874	307	-0.15	0.41	-0.31	-1.01e-04	0.0	-5.38e-05
1874	310	-0.15	0.29	-0.31	-8.35e-05	0.0	-5.53e-05
1875	28	-0.77	0.46	-0.58	-1.73e-04	0.0	-1.03e-04
1875	44	-1.05	0.35	-0.54	-1.43e-04	0.0	-7.89e-05
1875	68	-0.23	1.32	-0.50	-2.84e-04	0.0	-8.14e-05
1875	115	-6.92	4.73	-0.74	-7.53e-04	0.0	-1.70e-04
1875	116	-7.82	1.48	-0.70	-2.53e-04	0.0	-3.27e-04
1875	139	-1.32	8.72	-0.48	-1.33e-03	0.0	-2.00e-04
1875	147	-7.75	5.30	-0.79	-8.36e-04	0.0	-1.83e-04
1875	148	-8.77	1.61	-0.75	-2.70e-04	0.0	-3.61e-04
1875	171	-1.46	9.82	-0.50	-1.49e-03	0.0	-2.17e-04
1875	179	-7.62	5.29	-0.79	-8.37e-04	0.0	-1.76e-04
1875	180	-8.66	1.48	-0.74	-2.52e-04	0.0	-3.58e-04
1875	203	-1.41	10.02	-0.50	-1.52e-03	0.0	-2.10e-04
1875	211	-8.85	6.19	-0.87	-9.71e-04	0.0	-1.93e-04

1875	212	-10.09	1.61	-0.81	-2.67e-04	0.0	-4.11e-04
1875	235	-1.60	11.84	-0.53	-1.79e-03	0.0	-2.34e-04
1875	256	-0.52	0.32	-0.41	-1.20e-04	0.0	-7.09e-05
1875	264	-0.71	0.24	-0.38	-9.97e-05	0.0	-5.51e-05
1875	276	-0.16	0.89	-0.35	-1.94e-04	0.0	-5.68e-05
1875	298	-0.16	0.28	-0.32	-1.01e-04	0.0	-6.23e-05
1875	305	-0.26	0.26	-0.31	-9.35e-05	0.0	-5.64e-05
1875	307	-0.15	0.38	-0.31	-1.12e-04	0.0	-5.67e-05
1875	310	-0.15	0.27	-0.31	-9.49e-05	0.0	-5.83e-05
1876	28	-0.70	0.31	-0.60	-1.80e-04	0.0	-1.25e-04
1876	44	-0.97	0.23	-0.54	-1.49e-04	0.0	-9.85e-05
1876	68	-0.21	1.13	-0.53	-2.89e-04	0.0	-9.90e-05
1876	116	-7.23	1.23	-0.49	-2.60e-04	0.0	-3.25e-04
1876	119	-6.54	4.87	-0.51	-8.91e-04	0.0	-2.79e-04
1876	139	-1.22	7.99	-0.43	-1.43e-03	0.0	-1.97e-04
1876	148	-8.10	1.34	-0.51	-2.78e-04	0.0	-3.56e-04
1876	151	-7.32	5.46	-0.54	-9.91e-04	0.0	-3.04e-04
1876	171	-1.35	9.01	-0.44	-1.61e-03	0.0	-2.12e-04
1876	180	-7.99	1.23	-0.50	-2.58e-04	0.0	-3.51e-04
1876	183	-7.20	5.46	-0.53	-9.93e-04	0.0	-2.96e-04
1876	203	-1.30	9.19	-0.44	-1.64e-03	0.0	-2.01e-04
1876	212	-9.31	1.33	-0.53	-2.73e-04	0.0	-4.00e-04
1876	215	-8.38	6.39	-0.57	-1.15e-03	0.0	-3.33e-04
1876	235	-1.49	10.88	-0.46	-1.93e-03	0.0	-2.21e-04
1876	256	-0.48	0.22	-0.42	-1.25e-04	0.0	-8.67e-05
1876	264	-0.65	0.16	-0.38	-1.04e-04	0.0	-6.88e-05
1876	276	-0.15	0.76	-0.37	-1.97e-04	0.0	-6.91e-05
1876	298	-0.14	0.20	-0.34	-1.04e-04	0.0	-7.49e-05
1876	305	-0.24	0.18	-0.33	-9.67e-05	0.0	-6.83e-05
1876	307	-0.14	0.30	-0.33	-1.15e-04	0.0	-6.84e-05
1876	310	-0.14	0.19	-0.32	-9.81e-05	0.0	-7.02e-05
1877	28	-0.77	0.41	-0.63	-2.00e-04	0.0	-1.29e-04
1877	44	-1.05	0.31	-0.56	-1.65e-04	0.0	-1.01e-04
1877	68	-0.23	1.28	-0.56	-3.05e-04	0.0	-1.02e-04
1877	116	-7.82	1.36	-0.51	-2.59e-04	0.0	-3.43e-04
1877	119	-7.07	5.30	-0.54	-8.66e-04	0.0	-2.89e-04
1877	139	-1.32	8.69	-0.45	-1.39e-03	0.0	-2.15e-04
1877	148	-8.77	1.48	-0.53	-2.75e-04	0.0	-3.76e-04
1877	151	-7.92	5.94	-0.56	-9.62e-04	0.0	-3.15e-04
1877	171	-1.46	9.79	-0.46	-1.55e-03	0.0	-2.32e-04
1877	180	-8.66	1.35	-0.53	-2.56e-04	0.0	-3.73e-04
1877	183	-7.80	5.95	-0.56	-9.64e-04	0.0	-3.08e-04
1877	203	-1.41	9.99	-0.46	-1.58e-03	0.0	-2.25e-04
1877	212	-10.09	1.47	-0.56	-2.70e-04	0.0	-4.27e-04
1877	215	-9.06	6.96	-0.60	-1.12e-03	0.0	-3.48e-04
1877	235	-1.61	11.82	-0.48	-1.86e-03	0.0	-2.49e-04
1877	256	-0.52	0.28	-0.44	-1.38e-04	0.0	-8.90e-05
1877	264	-0.71	0.22	-0.40	-1.15e-04	0.0	-7.03e-05
1877	276	-0.16	0.87	-0.39	-2.08e-04	0.0	-7.12e-05
1877	298	-0.16	0.25	-0.35	-1.15e-04	0.0	-7.71e-05
1877	305	-0.26	0.23	-0.34	-1.07e-04	0.0	-7.02e-05
1877	307	-0.15	0.36	-0.34	-1.26e-04	0.0	-7.04e-05
1877	310	-0.15	0.24	-0.34	-1.09e-04	0.0	-7.21e-05
1878	44	-0.97	0.18	-0.63	-1.40e-04	0.0	-1.01e-04
1878	52	-0.25	0.79	-0.73	-2.54e-04	0.0	-1.28e-04
1878	68	-0.21	1.08	-0.65	-2.81e-04	0.0	-1.00e-04
1878	116	-7.23	1.11	-0.35	-2.45e-04	0.0	-3.29e-04
1878	139	-1.22	7.93	-0.48	-1.47e-03	0.0	-2.08e-04
1878	141	2.78	7.24	-0.49	-1.35e-03	0.0	-1.67e-04
1878	148	-8.10	1.21	-0.34	-2.61e-04	0.0	-3.60e-04
1878	171	-1.35	8.94	-0.49	-1.65e-03	0.0	-2.24e-04
1878	173	3.14	8.17	-0.51	-1.51e-03	0.0	-1.79e-04
1878	180	-7.99	1.10	-0.34	-2.41e-04	0.0	-3.55e-04
1878	201	3.12	7.47	-0.51	-1.39e-03	0.0	-8.70e-05
1878	203	-1.31	9.13	-0.49	-1.68e-03	0.0	-2.13e-04
1878	212	-9.32	1.19	-0.33	-2.54e-04	0.0	-4.04e-04
1878	233	3.68	8.87	-0.53	-1.64e-03	0.0	-8.70e-05
1878	235	-1.49	10.81	-0.51	-1.98e-03	0.0	-2.34e-04
1878	264	-0.66	0.13	-0.44	-9.81e-05	0.0	-7.02e-05
1878	268	-0.17	0.53	-0.51	-1.74e-04	0.0	-8.82e-05
1878	276	-0.15	0.73	-0.46	-1.92e-04	0.0	-6.99e-05
1878	298	-0.14	0.16	-0.41	-9.81e-05	0.0	-7.62e-05
1878	305	-0.24	0.14	-0.39	-9.12e-05	0.0	-6.96e-05
1878	307	-0.14	0.26	-0.40	-1.10e-04	0.0	-6.95e-05
1878	310	-0.14	0.15	-0.39	-9.25e-05	0.0	-7.14e-05

1879	44	-1.05	0.25	-0.66	-1.79e-04	0.0	-1.34e-04
1879	52	-0.28	0.92	-0.77	-2.99e-04	0.0	-1.68e-04
1879	68	-0.23	1.22	-0.68	-3.17e-04	0.0	-1.33e-04
1879	116	-7.83	1.23	-0.36	-2.62e-04	0.0	-3.65e-04
1879	137	3.01	7.02	-0.52	-1.20e-03	0.0	-1.17e-04
1879	139	-1.32	8.66	-0.50	-1.45e-03	0.0	-2.34e-04
1879	148	-8.77	1.34	-0.36	-2.77e-04	0.0	-3.99e-04
1879	169	3.40	7.92	-0.53	-1.34e-03	0.0	-1.20e-04
1879	171	-1.46	9.76	-0.52	-1.63e-03	0.0	-2.51e-04
1879	180	-8.66	1.22	-0.36	-2.58e-04	0.0	-3.96e-04
1879	201	3.38	8.16	-0.54	-1.38e-03	0.0	-1.15e-04
1879	203	-1.41	9.96	-0.52	-1.66e-03	0.0	-2.42e-04
1879	212	-10.09	1.31	-0.35	-2.69e-04	0.0	-4.50e-04
1879	233	3.98	9.69	-0.56	-1.62e-03	0.0	-1.18e-04
1879	235	-1.61	11.79	-0.54	-1.95e-03	0.0	-2.66e-04
1879	264	-0.71	0.18	-0.46	-1.25e-04	0.0	-9.31e-05
1879	268	-0.19	0.62	-0.53	-2.05e-04	0.0	-1.16e-04
1879	276	-0.16	0.83	-0.48	-2.17e-04	0.0	-9.30e-05
1879	298	-0.16	0.21	-0.43	-1.24e-04	0.0	-9.93e-05
1879	305	-0.26	0.19	-0.41	-1.16e-04	0.0	-9.10e-05
1879	307	-0.15	0.32	-0.41	-1.34e-04	0.0	-9.09e-05
1879	310	-0.15	0.20	-0.41	-1.17e-04	0.0	-9.28e-05
1880	44	-0.97	0.14	-0.79	0.0	-1.66e-04	3.18e-05
1880	52	-0.25	0.74	-0.95	0.0	-6.34e-05	2.24e-05
1880	68	-0.21	1.04	-0.85	0.0	-5.25e-05	2.02e-05
1880	116	-7.23	0.99	-0.27	0.0	-1.21e-03	-2.94e-04
1880	125	6.79	2.41	-0.77	0.0	1.10e-03	6.04e-05
1880	139	-1.22	7.85	-0.61	0.0	-2.07e-04	6.30e-05
1880	148	-8.10	1.08	-0.24	0.0	-1.35e-03	-3.32e-04
1880	157	7.65	2.71	-0.81	0.0	1.24e-03	6.66e-05
1880	171	-1.35	8.86	-0.63	0.0	-2.27e-04	7.00e-05
1880	180	-7.99	0.97	-0.24	0.0	-1.33e-03	-3.31e-04
1880	189	7.54	2.77	-0.81	0.0	1.22e-03	6.56e-05
1880	203	-1.31	9.05	-0.63	0.0	-2.19e-04	7.19e-05
1880	212	-9.32	1.05	-0.19	0.0	-1.55e-03	-3.93e-04
1880	221	8.79	3.27	-0.86	0.0	1.42e-03	7.50e-05
1880	235	-1.49	10.72	-0.66	0.0	-2.46e-04	8.39e-05
1880	264	-0.66	0.10	-0.55	0.0	-1.13e-04	2.18e-05
1880	268	-0.17	0.50	-0.66	0.0	-4.40e-05	1.55e-05
1880	276	-0.15	0.70	-0.59	0.0	-3.68e-05	1.41e-05
1880	298	-0.14	0.13	-0.53	0.0	-3.82e-05	1.19e-05
1880	305	-0.24	0.11	-0.50	0.0	-5.08e-05	1.30e-05
1880	307	-0.14	0.23	-0.51	0.0	-3.56e-05	1.14e-05
1880	310	-0.14	0.12	-0.50	0.0	-3.62e-05	1.12e-05
1881	44	-1.05	0.18	-0.83	0.0	-1.55e-04	3.13e-05
1881	52	-0.28	0.83	-1.00	0.0	-4.99e-05	2.10e-05
1881	68	-0.23	1.15	-0.89	0.0	-4.02e-05	1.89e-05
1881	116	-7.83	1.09	-0.30	0.0	-1.19e-03	-3.05e-04
1881	125	7.34	2.65	-0.80	0.0	1.10e-03	6.41e-05
1881	139	-1.32	8.60	-0.65	0.0	-1.96e-04	6.90e-05
1881	148	-8.77	1.19	-0.27	0.0	-1.33e-03	-3.44e-04
1881	157	8.27	2.98	-0.84	0.0	1.24e-03	7.08e-05
1881	171	-1.46	9.70	-0.67	0.0	-2.15e-04	7.70e-05
1881	180	-8.66	1.07	-0.27	0.0	-1.32e-03	-3.43e-04
1881	189	8.14	3.05	-0.83	0.0	1.22e-03	6.98e-05
1881	203	-1.41	9.91	-0.67	0.0	-2.07e-04	7.90e-05
1881	212	-10.09	1.15	-0.22	0.0	-1.53e-03	-4.07e-04
1881	221	9.50	3.59	-0.88	0.0	1.42e-03	8.01e-05
1881	235	-1.61	11.74	-0.70	0.0	-2.34e-04	9.24e-05
1881	264	-0.71	0.13	-0.59	0.0	-1.05e-04	2.14e-05
1881	268	-0.19	0.56	-0.70	0.0	-3.47e-05	1.46e-05
1881	276	-0.16	0.78	-0.62	0.0	-2.83e-05	1.32e-05
1881	298	-0.16	0.16	-0.56	0.0	-3.10e-05	1.11e-05
1881	305	-0.26	0.14	-0.53	0.0	-4.39e-05	1.23e-05
1881	307	-0.15	0.27	-0.54	0.0	-2.87e-05	1.07e-05
1881	310	-0.15	0.15	-0.53	0.0	-2.93e-05	1.05e-05
1882	28	-0.82	0.57	-0.64	-1.31e-04	0.0	-5.18e-05
1882	44	-1.12	0.43	-0.61	-1.07e-04	0.0	-3.61e-05
1882	68	-0.24	1.48	-0.53	-2.51e-04	0.0	-4.16e-05
1882	116	-8.41	1.71	-1.14	-2.25e-04	0.0	-3.14e-04
1882	139	-1.41	9.34	-0.65	-1.21e-03	0.0	3.20e-05
1882	148	-9.43	1.86	-1.25	-2.41e-04	0.0	-3.50e-04
1882	171	-1.56	10.52	-0.69	-1.36e-03	0.0	4.04e-05
1882	180	-9.30	1.72	-1.23	-2.24e-04	0.0	-3.48e-04
1882	203	-1.51	10.72	-0.69	-1.39e-03	0.0	4.07e-05

1882	212	-10.84	1.87	-1.38	-2.38e-04	0.0	-4.06e-04
1882	235	-1.72	12.66	-0.75	-1.63e-03	0.0	5.41e-05
1882	256	-0.55	0.39	-0.45	-9.08e-05	0.0	-3.59e-05
1882	264	-0.76	0.30	-0.43	-7.50e-05	0.0	-2.54e-05
1882	276	-0.17	1.00	-0.37	-1.71e-04	0.0	-2.91e-05
1882	298	-0.17	0.35	-0.34	-7.70e-05	0.0	-3.40e-05
1882	305	-0.28	0.31	-0.34	-7.13e-05	0.0	-2.99e-05
1882	307	-0.16	0.45	-0.32	-9.04e-05	0.0	-3.06e-05
1882	310	-0.16	0.33	-0.32	-7.27e-05	0.0	-3.18e-05
1883	28	-0.82	0.54	-0.61	-1.66e-04	0.0	-5.86e-05
1883	44	-1.12	0.42	-0.57	-1.37e-04	0.0	-4.18e-05
1883	68	-0.25	1.46	-0.53	-2.78e-04	0.0	-4.70e-05
1883	115	-7.44	5.10	-0.77	-7.25e-04	0.0	-1.38e-04
1883	116	-8.41	1.60	-0.73	-2.39e-04	0.0	-3.18e-04
1883	139	-1.41	9.36	-0.50	-1.28e-03	0.0	2.91e-05
1883	147	-8.33	5.70	-0.82	-8.05e-04	0.0	-1.49e-04
1883	148	-9.43	1.74	-0.78	-2.54e-04	0.0	-3.54e-04
1883	171	-1.56	10.53	-0.53	-1.43e-03	0.0	3.76e-05
1883	179	-8.18	5.69	-0.82	-8.07e-04	0.0	-1.42e-04
1883	180	-9.31	1.60	-0.77	-2.37e-04	0.0	-3.52e-04
1883	203	-1.51	10.75	-0.52	-1.46e-03	0.0	3.79e-05
1883	211	-9.51	6.66	-0.90	-9.36e-04	0.0	-1.57e-04
1883	212	-10.84	1.74	-0.84	-2.50e-04	0.0	-4.10e-04
1883	235	-1.72	12.69	-0.55	-1.71e-03	0.0	5.14e-05
1883	256	-0.55	0.38	-0.43	-1.15e-04	0.0	-4.06e-05
1883	264	-0.76	0.29	-0.40	-9.57e-05	0.0	-2.94e-05
1883	276	-0.17	0.99	-0.37	-1.90e-04	0.0	-3.28e-05
1883	298	-0.17	0.33	-0.34	-9.67e-05	0.0	-3.78e-05
1883	305	-0.28	0.30	-0.33	-8.97e-05	0.0	-3.34e-05
1883	307	-0.16	0.44	-0.32	-1.09e-04	0.0	-3.41e-05
1883	310	-0.16	0.31	-0.32	-9.11e-05	0.0	-3.54e-05
1884	28	-0.86	0.61	-0.70	-2.12e-04	0.0	2.00e-05
1884	44	-1.19	0.47	-0.66	-1.89e-04	0.0	2.37e-05
1884	68	-0.25	1.59	-0.58	-2.51e-04	0.0	1.47e-05
1884	116	-8.98	1.80	-1.16	-2.42e-04	0.0	-2.92e-04
1884	139	-1.50	9.91	-0.68	-1.03e-03	0.0	1.16e-04
1884	148	-10.07	1.96	-1.26	-2.56e-04	0.0	-3.30e-04
1884	171	-1.66	11.15	-0.72	-1.15e-03	0.0	1.30e-04
1884	180	-9.94	1.81	-1.25	-2.43e-04	0.0	-3.30e-04
1884	203	-1.60	11.37	-0.71	-1.17e-03	0.0	1.33e-04
1884	212	-11.58	1.97	-1.40	-2.58e-04	0.0	-3.92e-04
1884	235	-1.82	13.43	-0.77	-1.36e-03	0.0	1.58e-04
1884	256	-0.58	0.42	-0.49	-1.48e-04	0.0	1.36e-05
1884	264	-0.80	0.33	-0.46	-1.33e-04	0.0	1.60e-05
1884	276	-0.18	1.08	-0.41	-1.74e-04	0.0	1.00e-05
1884	298	-0.18	0.37	-0.37	-1.17e-04	0.0	6.35e-06
1884	305	-0.29	0.34	-0.37	-1.12e-04	0.0	7.83e-06
1884	307	-0.17	0.49	-0.36	-1.20e-04	0.0	6.63e-06
1884	310	-0.17	0.35	-0.36	-1.12e-04	0.0	5.81e-06
1885	28	-0.86	0.62	-0.67	-2.52e-04	0.0	4.47e-05
1885	44	-1.19	0.48	-0.62	-2.19e-04	0.0	4.39e-05
1885	68	-0.25	1.60	-0.58	-2.84e-04	0.0	3.53e-05
1885	115	-7.94	5.44	-0.81	-5.65e-04	0.0	-7.51e-05
1885	116	-8.98	1.71	-0.77	-2.45e-04	0.0	-2.79e-04
1885	139	-1.50	9.97	-0.54	-9.95e-04	0.0	1.28e-04
1885	147	-8.89	6.08	-0.87	-6.19e-04	0.0	-8.58e-05
1885	148	-10.07	1.86	-0.82	-2.57e-04	0.0	-3.17e-04
1885	171	-1.66	11.22	-0.57	-1.11e-03	0.0	1.43e-04
1885	179	-8.73	6.08	-0.86	-6.18e-04	0.0	-7.90e-05
1885	180	-9.94	1.71	-0.81	-2.45e-04	0.0	-3.17e-04
1885	203	-1.60	11.44	-0.56	-1.13e-03	0.0	1.46e-04
1885	211	-10.15	7.11	-0.95	-7.05e-04	0.0	-9.25e-05
1885	212	-11.58	1.85	-0.89	-2.56e-04	0.0	-3.79e-04
1885	235	-1.82	13.52	-0.60	-1.31e-03	0.0	1.70e-04
1885	256	-0.58	0.43	-0.47	-1.75e-04	0.0	3.06e-05
1885	264	-0.80	0.34	-0.44	-1.54e-04	0.0	3.00e-05
1885	276	-0.18	1.08	-0.41	-1.96e-04	0.0	2.43e-05
1885	298	-0.18	0.38	-0.37	-1.40e-04	0.0	2.04e-05
1885	305	-0.29	0.34	-0.36	-1.33e-04	0.0	2.08e-05
1885	307	-0.17	0.49	-0.36	-1.41e-04	0.0	1.97e-05
1885	310	-0.17	0.35	-0.36	-1.33e-04	0.0	1.88e-05
1886	28	-0.82	0.52	-0.66	-2.13e-04	0.0	-9.50e-05
1886	44	-1.12	0.40	-0.60	-1.76e-04	0.0	-7.20e-05
1886	68	-0.25	1.44	-0.59	-3.15e-04	0.0	-7.60e-05
1886	116	-8.41	1.49	-0.54	-2.57e-04	0.0	-3.39e-04

1886	119	-7.60	5.73	-0.57	-8.47e-04	0.0	-2.07e-04
1886	139	-1.42	9.37	-0.48	-1.35e-03	0.0	1.85e-05
1886	148	-9.43	1.62	-0.56	-2.72e-04	0.0	-3.75e-04
1886	151	-8.52	6.41	-0.59	-9.40e-04	0.0	-2.25e-04
1886	171	-1.56	10.55	-0.49	-1.51e-03	0.0	2.82e-05
1886	180	-9.31	1.48	-0.56	-2.54e-04	0.0	-3.73e-04
1886	183	-8.38	6.42	-0.59	-9.42e-04	0.0	-2.21e-04
1886	203	-1.51	10.76	-0.49	-1.54e-03	0.0	2.92e-05
1886	212	-10.84	1.60	-0.59	-2.67e-04	0.0	-4.32e-04
1886	215	-9.74	7.50	-0.63	-1.09e-03	0.0	-2.50e-04
1886	235	-1.72	12.72	-0.51	-1.81e-03	0.0	4.47e-05
1886	256	-0.56	0.36	-0.46	-1.47e-04	0.0	-6.56e-05
1886	264	-0.76	0.28	-0.42	-1.23e-04	0.0	-5.03e-05
1886	276	-0.17	0.97	-0.41	-2.15e-04	0.0	-5.29e-05
1886	298	-0.17	0.31	-0.37	-1.23e-04	0.0	-5.83e-05
1886	305	-0.28	0.29	-0.36	-1.14e-04	0.0	-5.25e-05
1886	307	-0.16	0.42	-0.36	-1.33e-04	0.0	-5.31e-05
1886	310	-0.16	0.30	-0.36	-1.15e-04	0.0	-5.45e-05
1887	28	-0.86	0.63	-0.73	-3.11e-04	0.0	7.02e-05
1887	44	-1.19	0.49	-0.65	-2.65e-04	0.0	6.49e-05
1887	68	-0.25	1.60	-0.65	-3.33e-04	0.0	5.64e-05
1887	116	-8.98	1.62	-0.58	-2.54e-04	0.0	-2.66e-04
1887	119	-8.11	6.14	-0.61	-6.25e-04	0.0	-1.13e-04
1887	139	-1.50	10.03	-0.52	-9.62e-04	0.0	1.41e-04
1887	148	-10.07	1.75	-0.60	-2.64e-04	0.0	-3.03e-04
1887	151	-9.09	6.87	-0.64	-6.83e-04	0.0	-1.31e-04
1887	171	-1.66	11.29	-0.53	-1.07e-03	0.0	1.56e-04
1887	180	-9.94	1.61	-0.60	-2.53e-04	0.0	-3.04e-04
1887	183	-8.94	6.88	-0.63	-6.84e-04	0.0	-1.27e-04
1887	203	-1.60	11.52	-0.53	-1.08e-03	0.0	1.59e-04
1887	212	-11.58	1.73	-0.63	-2.61e-04	0.0	-3.66e-04
1887	215	-10.40	8.03	-0.68	-7.76e-04	0.0	-1.54e-04
1887	235	-1.82	13.60	-0.55	-1.26e-03	0.0	1.83e-04
1887	256	-0.58	0.44	-0.51	-2.15e-04	0.0	4.81e-05
1887	264	-0.80	0.35	-0.46	-1.85e-04	0.0	4.46e-05
1887	276	-0.18	1.09	-0.46	-2.30e-04	0.0	3.89e-05
1887	298	-0.18	0.38	-0.41	-1.74e-04	0.0	3.47e-05
1887	305	-0.29	0.35	-0.40	-1.64e-04	0.0	3.42e-05
1887	307	-0.17	0.49	-0.39	-1.73e-04	0.0	3.31e-05
1887	310	-0.17	0.36	-0.39	-1.65e-04	0.0	3.22e-05
1888	44	-1.13	0.36	-0.70	-2.25e-04	0.0	-1.53e-04
1888	52	-0.30	1.09	-0.81	-3.52e-04	0.0	-1.93e-04
1888	68	-0.25	1.40	-0.73	-3.60e-04	0.0	-1.54e-04
1888	116	-8.41	1.37	-0.39	-2.84e-04	0.0	-3.95e-04
1888	137	3.24	7.62	-0.55	-1.20e-03	0.0	1.15e-04
1888	139	-1.42	9.37	-0.53	-1.44e-03	0.0	2.21e-06
1888	148	-9.43	1.48	-0.38	-2.98e-04	0.0	-4.31e-04
1888	169	3.66	8.59	-0.57	-1.34e-03	0.0	1.43e-04
1888	171	-1.56	10.56	-0.55	-1.61e-03	0.0	1.65e-05
1888	180	-9.31	1.35	-0.38	-2.80e-04	0.0	-4.31e-04
1888	201	3.64	8.85	-0.57	-1.37e-03	0.0	1.44e-04
1888	203	-1.51	10.78	-0.55	-1.64e-03	0.0	1.96e-05
1888	212	-10.84	1.45	-0.37	-2.91e-04	0.0	-4.91e-04
1888	233	4.29	10.49	-0.59	-1.61e-03	0.0	1.89e-04
1888	235	-1.72	12.75	-0.57	-1.92e-03	0.0	4.33e-05
1888	264	-0.76	0.25	-0.49	-1.57e-04	0.0	-1.06e-04
1888	268	-0.21	0.74	-0.57	-2.41e-04	0.0	-1.33e-04
1888	276	-0.17	0.94	-0.51	-2.47e-04	0.0	-1.07e-04
1888	298	-0.18	0.28	-0.46	-1.55e-04	0.0	-1.13e-04
1888	305	-0.28	0.26	-0.44	-1.44e-04	0.0	-1.04e-04
1888	307	-0.16	0.39	-0.44	-1.62e-04	0.0	-1.04e-04
1888	310	-0.17	0.27	-0.44	-1.46e-04	0.0	-1.06e-04
1889	44	-1.19	0.50	-0.76	-3.54e-04	0.0	8.56e-05
1889	52	-0.30	1.30	-0.87	-4.64e-04	0.0	8.99e-05
1889	68	-0.25	1.61	-0.78	-4.25e-04	0.0	7.69e-05
1889	116	-8.98	1.53	-0.41	-2.90e-04	0.0	-2.52e-04
1889	137	3.47	8.22	-0.59	-8.20e-04	0.0	2.73e-04
1889	139	-1.50	10.09	-0.57	-9.48e-04	0.0	1.56e-04
1889	148	-10.07	1.65	-0.41	-2.97e-04	0.0	-2.90e-04
1889	169	3.93	9.26	-0.61	-8.98e-04	0.0	3.02e-04
1889	171	-1.66	11.36	-0.59	-1.04e-03	0.0	1.70e-04
1889	180	-9.94	1.51	-0.41	-2.88e-04	0.0	-2.90e-04
1889	201	3.90	9.53	-0.61	-9.18e-04	0.0	3.03e-04
1889	203	-1.60	11.59	-0.59	-1.06e-03	0.0	1.74e-04
1889	212	-11.58	1.62	-0.39	-2.93e-04	0.0	-3.52e-04

1889	233	4.60	11.29	-0.63	-1.05e-03	0.0	3.50e-04
1889	235	-1.82	13.69	-0.61	-1.22e-03	0.0	1.98e-04
1889	264	-0.80	0.35	-0.53	-2.46e-04	0.0	5.89e-05
1889	268	-0.21	0.88	-0.61	-3.19e-04	0.0	6.18e-05
1889	276	-0.18	1.09	-0.55	-2.93e-04	0.0	5.31e-05
1889	298	-0.18	0.38	-0.49	-2.38e-04	0.0	4.87e-05
1889	305	-0.29	0.35	-0.47	-2.23e-04	0.0	4.73e-05
1889	307	-0.17	0.50	-0.47	-2.32e-04	0.0	4.61e-05
1889	310	-0.17	0.36	-0.47	-2.23e-04	0.0	4.53e-05
1890	44	-1.13	0.23	-0.90	0.0	-1.41e-04	2.94e-05
1890	52	-0.30	0.93	-1.08	0.0	-3.45e-05	1.79e-05
1890	68	-0.25	1.27	-0.96	0.0	-2.64e-05	1.62e-05
1890	116	-8.42	1.19	-0.35	0.0	-1.17e-03	-3.07e-04
1890	125	7.88	2.90	-0.84	0.0	1.10e-03	2.18e-05
1890	139	-1.42	9.36	-0.70	0.0	-1.84e-04	7.56e-05
1890	148	-9.43	1.30	-0.32	0.0	-1.31e-03	-3.47e-04
1890	157	8.88	3.26	-0.87	0.0	1.23e-03	2.36e-05
1890	171	-1.57	10.56	-0.72	0.0	-2.03e-04	8.46e-05
1890	180	-9.31	1.17	-0.32	0.0	-1.30e-03	-3.46e-04
1890	189	8.75	3.33	-0.87	0.0	1.22e-03	2.49e-05
1890	203	-1.51	10.78	-0.73	0.0	-1.95e-04	8.66e-05
1890	212	-10.85	1.26	-0.27	0.0	-1.51e-03	-4.10e-04
1890	221	10.20	3.92	-0.92	0.0	1.42e-03	2.87e-05
1890	235	-1.72	12.76	-0.76	0.0	-2.21e-04	1.02e-04
1890	264	-0.76	0.16	-0.63	0.0	-9.51e-05	2.01e-05
1890	268	-0.21	0.63	-0.75	0.0	-2.40e-05	1.24e-05
1890	276	-0.18	0.86	-0.67	0.0	-1.86e-05	1.13e-05
1890	298	-0.18	0.19	-0.60	0.0	-2.28e-05	9.40e-06
1890	305	-0.28	0.17	-0.57	0.0	-3.60e-05	1.08e-05
1890	307	-0.17	0.31	-0.58	0.0	-2.07e-05	9.08e-06
1890	310	-0.17	0.18	-0.57	0.0	-2.14e-05	8.85e-06
1891	44	-1.19	0.52	-1.02	-7.93e-04	-1.57e-04	2.68e-05
1891	52	-0.30	1.31	-1.20	-9.77e-04	-1.16e-04	1.39e-05
1891	68	-0.25	1.62	-1.08	-8.40e-04	-1.01e-04	1.25e-05
1891	116	-8.99	1.44	-0.42	-3.10e-04	-6.41e-04	-3.06e-04
1891	125	8.43	3.26	-0.90	-6.36e-04	4.82e-04	4.05e-06
1891	139	-1.50	10.15	-0.78	-8.28e-04	-1.49e-04	8.17e-05
1891	148	-10.08	1.55	-0.40	-2.86e-04	-7.13e-04	-3.45e-04
1891	157	9.50	3.64	-0.93	-6.55e-04	5.50e-04	3.95e-06
1891	171	-1.66	11.43	-0.80	-8.71e-04	-1.59e-04	9.17e-05
1891	180	-9.94	1.41	-0.39	-2.84e-04	-7.03e-04	-3.45e-04
1891	203	-1.60	11.67	-0.81	-8.82e-04	-1.55e-04	9.38e-05
1891	205	3.89	10.73	-0.93	-9.27e-04	1.97e-04	1.52e-04
1891	212	-11.59	1.50	-0.35	-2.44e-04	-8.11e-04	-4.08e-04
1891	235	-1.82	13.79	-0.84	-9.56e-04	-1.69e-04	1.11e-04
1891	237	4.57	12.69	-0.98	-1.01e-03	2.41e-04	1.79e-04
1891	264	-0.80	0.36	-0.71	-5.52e-04	-1.08e-04	1.82e-05
1891	268	-0.21	0.89	-0.84	-6.74e-04	-8.07e-05	9.64e-06
1891	276	-0.18	1.09	-0.75	-5.83e-04	-7.12e-05	8.72e-06
1891	298	-0.18	0.39	-0.67	-5.31e-04	-6.61e-05	7.20e-06
1891	305	-0.29	0.35	-0.64	-4.96e-04	-7.02e-05	8.87e-06
1891	307	-0.17	0.50	-0.65	-5.02e-04	-6.27e-05	6.97e-06
1891	310	-0.17	0.36	-0.64	-4.97e-04	-6.31e-05	6.75e-06
1892	44	-0.54	0.04	-0.39	0.0	-1.36e-04	4.25e-05
1892	68	-0.03	0.72	-0.36	0.0	-3.95e-05	1.40e-05
1892	76	-0.05	-0.10	-0.45	0.0	-5.34e-05	1.65e-05
1892	116	-6.03	0.69	-0.32	0.0	-1.30e-03	1.62e-04
1892	139	-0.68	5.61	-0.13	0.0	-1.48e-04	1.08e-04
1892	140	-2.65	-4.45	-0.40	0.0	-6.00e-04	1.96e-05
1892	148	-6.78	0.76	-0.32	0.0	-1.46e-03	1.80e-04
1892	171	-0.75	6.33	-0.11	0.0	-1.61e-04	1.20e-04
1892	172	-2.98	-5.05	-0.41	0.0	-6.72e-04	2.09e-05
1892	180	-6.71	0.68	-0.33	0.0	-1.45e-03	1.75e-04
1892	203	-0.70	6.47	-0.11	0.0	-1.51e-04	1.17e-04
1892	204	-2.97	-5.20	-0.42	0.0	-6.72e-04	2.11e-05
1892	212	-7.85	0.73	-0.34	0.0	-1.69e-03	2.01e-04
1892	235	-0.80	7.67	-0.08	0.0	-1.66e-04	1.34e-04
1892	236	-3.49	-6.21	-0.45	0.0	-7.86e-04	2.32e-05
1892	264	-0.36	0.03	-0.28	0.0	-9.18e-05	2.88e-05
1892	276	-0.02	0.48	-0.26	0.0	-2.77e-05	9.76e-06
1892	280	-0.03	-0.06	-0.31	0.0	-3.70e-05	1.15e-05
1892	298	-0.03	0.05	-0.26	0.0	-3.02e-05	9.39e-06
1892	305	-0.09	0.04	-0.25	0.0	-4.07e-05	1.27e-05
1892	307	-0.02	0.13	-0.25	0.0	-2.79e-05	8.85e-06
1892	310	-0.02	0.05	-0.25	0.0	-2.86e-05	8.88e-06

1893	44	-0.61	0.08	-0.42	0.0	-1.46e-04	5.85e-05
1893	68	-0.05	0.85	-0.39	0.0	-4.31e-05	1.98e-05
1893	76	-0.08	-0.06	-0.48	0.0	-5.84e-05	2.40e-05
1893	116	-6.74	0.80	-0.34	0.0	-1.39e-03	3.75e-04
1893	139	-0.76	6.38	-0.13	0.0	-1.55e-04	1.79e-04
1893	140	-2.97	-5.02	-0.43	0.0	-6.45e-04	7.91e-05
1893	148	-7.57	0.88	-0.35	0.0	-1.56e-03	4.19e-04
1893	171	-0.84	7.20	-0.11	0.0	-1.68e-04	1.99e-04
1893	172	-3.34	-5.70	-0.45	0.0	-7.22e-04	8.72e-05
1893	180	-7.49	0.79	-0.35	0.0	-1.54e-03	4.12e-04
1893	203	-0.79	7.35	-0.11	0.0	-1.57e-04	1.95e-04
1893	204	-3.34	-5.87	-0.45	0.0	-7.22e-04	8.66e-05
1893	212	-8.77	0.85	-0.37	0.0	-1.80e-03	4.78e-04
1893	235	-0.89	8.72	-0.08	0.0	-1.72e-04	2.25e-04
1893	236	-3.91	-7.01	-0.49	0.0	-8.44e-04	9.92e-05
1893	264	-0.41	0.06	-0.30	0.0	-9.90e-05	3.96e-05
1893	276	-0.04	0.57	-0.27	0.0	-3.03e-05	1.38e-05
1893	280	-0.05	-0.04	-0.34	0.0	-4.04e-05	1.66e-05
1893	298	-0.04	0.09	-0.28	0.0	-3.29e-05	1.36e-05
1893	305	-0.11	0.07	-0.27	0.0	-4.42e-05	1.79e-05
1893	307	-0.04	0.18	-0.26	0.0	-3.05e-05	1.27e-05
1893	310	-0.04	0.08	-0.27	0.0	-3.13e-05	1.28e-05
1894	44	-0.69	0.14	-0.44	0.0	-1.58e-04	6.06e-05
1894	68	-0.08	0.99	-0.41	0.0	-4.74e-05	2.19e-05
1894	76	-0.11	-0.01	-0.50	0.0	-6.43e-05	2.62e-05
1894	116	-7.52	0.92	-0.36	0.0	-1.48e-03	3.97e-04
1894	139	-0.84	7.16	-0.13	0.0	-1.61e-04	1.92e-04
1894	140	-3.34	-5.59	-0.45	0.0	-6.91e-04	8.33e-05
1894	148	-8.44	1.00	-0.37	0.0	-1.66e-03	4.44e-04
1894	171	-0.93	8.08	-0.11	0.0	-1.75e-04	2.13e-04
1894	172	-3.75	-6.34	-0.48	0.0	-7.74e-04	9.18e-05
1894	180	-8.36	0.90	-0.37	0.0	-1.65e-03	4.36e-04
1894	203	-0.87	8.25	-0.11	0.0	-1.62e-04	2.09e-04
1894	204	-3.74	-6.54	-0.48	0.0	-7.74e-04	9.13e-05
1894	212	-9.78	0.97	-0.39	0.0	-1.92e-03	5.05e-04
1894	235	-0.98	9.77	-0.07	0.0	-1.77e-04	2.41e-04
1894	236	-4.39	-7.81	-0.52	0.0	-9.05e-04	1.05e-04
1894	264	-0.47	0.10	-0.31	0.0	-1.07e-04	4.11e-05
1894	276	-0.05	0.67	-0.29	0.0	-3.33e-05	1.53e-05
1894	280	-0.07	-2.69e-03	-0.35	0.0	-4.45e-05	1.81e-05
1894	298	-0.06	0.13	-0.29	0.0	-3.62e-05	1.48e-05
1894	305	-0.14	0.11	-0.28	0.0	-4.83e-05	1.91e-05
1894	307	-0.06	0.23	-0.28	0.0	-3.35e-05	1.40e-05
1894	310	-0.06	0.12	-0.28	0.0	-3.44e-05	1.40e-05
1895	44	-0.56	0.03	-0.49	0.0	-1.48e-04	3.27e-05
1895	68	-0.04	0.72	-0.47	0.0	-4.46e-05	1.08e-05
1895	76	-0.05	-0.10	-0.56	0.0	-5.98e-05	1.23e-05
1895	116	-6.10	0.69	-0.34	0.0	-1.47e-03	5.70e-05
1895	139	-0.72	5.61	-0.25	0.0	-1.77e-04	8.90e-05
1895	140	-2.67	-4.45	-0.38	0.0	-6.72e-04	-2.20e-05
1895	148	-6.86	0.76	-0.35	0.0	-1.65e-03	6.25e-05
1895	171	-0.79	6.33	-0.24	0.0	-1.93e-04	9.91e-05
1895	172	-3.00	-5.05	-0.39	0.0	-7.53e-04	-2.58e-05
1895	180	-6.79	0.68	-0.35	0.0	-1.63e-03	5.71e-05
1895	203	-0.75	6.46	-0.23	0.0	-1.81e-04	9.68e-05
1895	204	-2.99	-5.20	-0.40	0.0	-7.52e-04	-2.62e-05
1895	212	-7.94	0.73	-0.36	0.0	-1.91e-03	6.32e-05
1895	235	-0.85	7.67	-0.22	0.0	-2.00e-04	1.12e-04
1895	236	-3.51	-6.21	-0.41	0.0	-8.79e-04	-3.22e-05
1895	264	-0.38	0.02	-0.34	0.0	-1.01e-04	2.21e-05
1895	276	-0.03	0.48	-0.33	0.0	-3.13e-05	7.54e-06
1895	280	-0.04	-0.07	-0.39	0.0	-4.14e-05	8.50e-06
1895	298	-0.03	0.05	-0.32	0.0	-3.38e-05	7.00e-06
1895	305	-0.10	0.04	-0.31	0.0	-4.52e-05	9.56e-06
1895	307	-0.03	0.13	-0.31	0.0	-3.13e-05	6.65e-06
1895	310	-0.03	0.05	-0.31	0.0	-3.21e-05	6.61e-06
1896	44	-0.64	0.08	-0.52	0.0	-1.52e-04	4.11e-05
1896	68	-0.06	0.85	-0.51	0.0	-4.59e-05	1.43e-05
1896	76	-0.09	-0.06	-0.60	0.0	-6.15e-05	1.65e-05
1896	116	-6.89	0.80	-0.37	0.0	-1.45e-03	1.44e-04
1896	139	-0.81	6.38	-0.26	0.0	-1.72e-04	1.16e-04
1896	140	-3.03	-5.02	-0.42	0.0	-6.64e-04	5.99e-06
1896	148	-7.74	0.87	-0.38	0.0	-1.62e-03	1.61e-04
1896	171	-0.90	7.20	-0.25	0.0	-1.88e-04	1.29e-04
1896	172	-3.40	-5.70	-0.43	0.0	-7.44e-04	5.47e-06

1896	180	-7.66	0.78	-0.38	0.0	-1.61e-03	1.54e-04
1896	203	-0.84	7.35	-0.25	0.0	-1.76e-04	1.26e-04
1896	204	-3.39	-5.87	-0.43	0.0	-7.43e-04	5.34e-06
1896	212	-8.96	0.85	-0.38	0.0	-1.88e-03	1.77e-04
1896	235	-0.95	8.71	-0.23	0.0	-1.94e-04	1.45e-04
1896	236	-3.98	-7.01	-0.45	0.0	-8.68e-04	4.49e-06
1896	264	-0.43	0.06	-0.37	0.0	-1.03e-04	2.78e-05
1896	276	-0.04	0.57	-0.35	0.0	-3.22e-05	9.99e-06
1896	280	-0.06	-0.04	-0.42	0.0	-4.26e-05	1.14e-05
1896	298	-0.05	0.09	-0.35	0.0	-3.47e-05	9.41e-06
1896	305	-0.12	0.07	-0.33	0.0	-4.63e-05	1.25e-05
1896	307	-0.05	0.18	-0.33	0.0	-3.22e-05	8.91e-06
1896	310	-0.05	0.08	-0.33	0.0	-3.30e-05	8.89e-06
1897	44	-0.72	0.14	-0.55	0.0	-1.55e-04	4.25e-05
1897	68	-0.09	0.99	-0.53	0.0	-4.74e-05	1.57e-05
1897	76	-0.12	-0.01	-0.63	0.0	-6.35e-05	1.77e-05
1897	116	-7.65	0.92	-0.39	0.0	-1.40e-03	1.30e-04
1897	139	-0.90	7.16	-0.27	0.0	-1.65e-04	1.26e-04
1897	140	-3.38	-5.59	-0.44	0.0	-6.47e-04	-7.59e-06
1897	148	-8.59	1.00	-0.40	0.0	-1.57e-03	1.44e-04
1897	171	-1.00	8.08	-0.26	0.0	-1.79e-04	1.41e-04
1897	172	-3.80	-6.34	-0.45	0.0	-7.25e-04	-1.00e-05
1897	180	-8.51	0.90	-0.40	0.0	-1.56e-03	1.37e-04
1897	203	-0.94	8.25	-0.26	0.0	-1.68e-04	1.38e-04
1897	204	-3.79	-6.54	-0.46	0.0	-7.25e-04	-1.06e-05
1897	212	-9.95	0.97	-0.41	0.0	-1.82e-03	1.55e-04
1897	235	-1.06	9.77	-0.24	0.0	-1.84e-04	1.59e-04
1897	236	-4.44	-7.81	-0.48	0.0	-8.46e-04	-1.46e-05
1897	264	-0.49	0.10	-0.39	0.0	-1.05e-04	2.88e-05
1897	276	-0.06	0.66	-0.37	0.0	-3.33e-05	1.09e-05
1897	280	-0.08	-3.11e-03	-0.44	0.0	-4.40e-05	1.23e-05
1897	298	-0.07	0.13	-0.37	0.0	-3.59e-05	1.01e-05
1897	305	-0.15	0.11	-0.35	0.0	-4.76e-05	1.32e-05
1897	307	-0.06	0.22	-0.35	0.0	-3.32e-05	9.64e-06
1897	310	-0.06	0.12	-0.35	0.0	-3.40e-05	9.58e-06
1898	44	-0.58	0.03	-0.54	0.0	-1.56e-04	2.46e-05
1898	68	-0.04	0.71	-0.53	0.0	-4.77e-05	8.30e-06
1898	76	-0.06	-0.10	-0.62	0.0	-6.34e-05	8.91e-06
1898	116	-6.09	0.69	-0.36	0.0	-1.54e-03	2.10e-05
1898	139	-0.75	5.60	-0.31	0.0	-1.94e-04	9.38e-05
1898	140	-2.65	-4.45	-0.39	0.0	-6.96e-04	-4.57e-05
1898	148	-6.84	0.75	-0.37	0.0	-1.72e-03	2.23e-05
1898	171	-0.83	6.33	-0.31	0.0	-2.12e-04	1.05e-04
1898	172	-2.98	-5.05	-0.39	0.0	-7.80e-04	-5.23e-05
1898	180	-6.77	0.67	-0.37	0.0	-1.70e-03	1.75e-05
1898	203	-0.78	6.46	-0.30	0.0	-2.00e-04	1.04e-04
1898	204	-2.97	-5.20	-0.39	0.0	-7.79e-04	-5.30e-05
1898	212	-7.92	0.73	-0.37	0.0	-1.99e-03	1.78e-05
1898	235	-0.89	7.66	-0.30	0.0	-2.22e-04	1.21e-04
1898	236	-3.48	-6.21	-0.40	0.0	-9.09e-04	-6.36e-05
1898	264	-0.39	0.02	-0.38	0.0	-1.05e-04	1.67e-05
1898	276	-0.03	0.48	-0.37	0.0	-3.34e-05	5.78e-06
1898	280	-0.04	-0.07	-0.43	0.0	-4.39e-05	6.18e-06
1898	298	-0.03	0.05	-0.36	0.0	-3.59e-05	5.13e-06
1898	305	-0.10	0.04	-0.35	0.0	-4.77e-05	7.09e-06
1898	307	-0.03	0.13	-0.34	0.0	-3.33e-05	4.91e-06
1898	310	-0.03	0.05	-0.35	0.0	-3.40e-05	4.84e-06
1899	44	-0.66	0.08	-0.59	0.0	-1.56e-04	2.93e-05
1899	68	-0.07	0.84	-0.58	0.0	-4.80e-05	1.05e-05
1899	76	-0.09	-0.06	-0.68	0.0	-6.38e-05	1.13e-05
1899	116	-6.91	0.80	-0.39	0.0	-1.47e-03	1.95e-05
1899	139	-0.85	6.38	-0.33	0.0	-1.85e-04	1.02e-04
1899	140	-3.02	-5.02	-0.42	0.0	-6.69e-04	-5.02e-05
1899	148	-7.76	0.87	-0.40	0.0	-1.65e-03	2.02e-05
1899	171	-0.94	7.20	-0.33	0.0	-2.02e-04	1.14e-04
1899	172	-3.39	-5.70	-0.43	0.0	-7.49e-04	-5.77e-05
1899	180	-7.67	0.78	-0.40	0.0	-1.63e-03	1.38e-05
1899	203	-0.89	7.35	-0.33	0.0	-1.90e-04	1.12e-04
1899	204	-3.38	-5.87	-0.43	0.0	-7.48e-04	-5.88e-05
1899	212	-8.97	0.85	-0.40	0.0	-1.91e-03	1.27e-05
1899	235	-1.01	8.71	-0.32	0.0	-2.11e-04	1.30e-04
1899	236	-3.96	-7.01	-0.44	0.0	-8.74e-04	-7.07e-05
1899	264	-0.44	0.06	-0.41	0.0	-1.06e-04	1.99e-05
1899	276	-0.05	0.57	-0.40	0.0	-3.37e-05	7.31e-06
1899	280	-0.07	-0.04	-0.47	0.0	-4.42e-05	7.87e-06

1899	298	-0.05	0.08	-0.39	0.0	-3.61e-05	6.54e-06
1899	305	-0.13	0.07	-0.37	0.0	-4.78e-05	8.76e-06
1899	307	-0.05	0.17	-0.37	0.0	-3.35e-05	6.25e-06
1899	310	-0.05	0.08	-0.37	0.0	-3.42e-05	6.17e-06
1900	44	-0.74	0.14	-0.62	0.0	-1.57e-04	3.18e-05
1900	68	-0.09	0.98	-0.61	0.0	-4.86e-05	1.20e-05
1900	76	-0.13	-0.01	-0.71	0.0	-6.44e-05	1.27e-05
1900	116	-7.67	0.91	-0.42	0.0	-1.39e-03	2.20e-05
1900	139	-0.95	7.16	-0.35	0.0	-1.74e-04	1.14e-04
1900	140	-3.36	-5.59	-0.44	0.0	-6.34e-04	-5.69e-05
1900	148	-8.61	1.00	-0.42	0.0	-1.55e-03	2.28e-05
1900	171	-1.05	8.07	-0.34	0.0	-1.89e-04	1.28e-04
1900	172	-3.78	-6.34	-0.45	0.0	-7.10e-04	-6.53e-05
1900	180	-8.52	0.90	-0.42	0.0	-1.54e-03	1.57e-05
1900	203	-0.99	8.25	-0.34	0.0	-1.78e-04	1.26e-04
1900	204	-3.77	-6.54	-0.45	0.0	-7.09e-04	-6.67e-05
1900	212	-9.96	0.97	-0.42	0.0	-1.80e-03	1.44e-05
1900	235	-1.12	9.77	-0.33	0.0	-1.96e-04	1.47e-04
1900	236	-4.42	-7.81	-0.46	0.0	-8.28e-04	-8.03e-05
1900	264	-0.50	0.10	-0.43	0.0	-1.06e-04	2.16e-05
1900	276	-0.07	0.66	-0.43	0.0	-3.41e-05	8.35e-06
1900	280	-0.09	-4.38e-03	-0.49	0.0	-4.46e-05	8.86e-06
1900	298	-0.07	0.12	-0.41	0.0	-3.64e-05	7.39e-06
1900	305	-0.15	0.11	-0.39	0.0	-4.82e-05	9.72e-06
1900	307	-0.07	0.22	-0.39	0.0	-3.38e-05	7.08e-06
1900	310	-0.07	0.12	-0.39	0.0	-3.46e-05	6.96e-06
1901	44	-0.59	0.03	-0.58	0.0	-1.60e-04	2.05e-05
1901	68	-0.05	0.71	-0.57	0.0	-4.96e-05	7.14e-06
1901	76	-0.06	-0.10	-0.66	0.0	-6.54e-05	7.39e-06
1901	116	-6.03	0.69	-0.38	0.0	-1.55e-03	-1.50e-04
1901	139	-0.77	5.60	-0.35	0.0	-2.05e-04	5.15e-05
1901	140	-2.61	-4.45	-0.39	0.0	-6.97e-04	-1.04e-04
1901	148	-6.78	0.75	-0.38	0.0	-1.74e-03	-1.69e-04
1901	171	-0.86	6.33	-0.35	0.0	-2.25e-04	5.78e-05
1901	172	-2.93	-5.05	-0.39	0.0	-7.80e-04	-1.18e-04
1901	180	-6.70	0.67	-0.38	0.0	-1.72e-03	-1.69e-04
1901	203	-0.81	6.46	-0.34	0.0	-2.13e-04	5.85e-05
1901	204	-2.92	-5.20	-0.39	0.0	-7.79e-04	-1.17e-04
1901	212	-7.84	0.73	-0.38	0.0	-2.01e-03	-2.00e-04
1901	235	-0.92	7.66	-0.34	0.0	-2.37e-04	6.87e-05
1901	236	-3.42	-6.21	-0.40	0.0	-9.09e-04	-1.39e-04
1901	264	-0.40	0.02	-0.40	0.0	-1.08e-04	1.39e-05
1901	276	-0.03	0.48	-0.40	0.0	-3.48e-05	4.97e-06
1901	280	-0.04	-0.07	-0.46	0.0	-4.53e-05	5.14e-06
1901	298	-0.04	0.05	-0.39	0.0	-3.70e-05	4.27e-06
1901	305	-0.11	0.04	-0.37	0.0	-4.90e-05	5.89e-06
1901	307	-0.03	0.13	-0.37	0.0	-3.44e-05	4.11e-06
1901	310	-0.03	0.05	-0.37	0.0	-3.51e-05	4.02e-06
1902	44	-0.68	0.08	-0.63	0.0	-1.59e-04	2.35e-05
1902	68	-0.07	0.84	-0.62	0.0	-4.98e-05	8.82e-06
1902	76	-0.10	-0.07	-0.72	0.0	-6.55e-05	9.08e-06
1902	116	-6.85	0.80	-0.41	0.0	-1.48e-03	-1.58e-04
1902	139	-0.88	6.37	-0.38	0.0	-1.96e-04	6.16e-05
1902	140	-2.98	-5.02	-0.42	0.0	-6.67e-04	-1.14e-04
1902	148	-7.69	0.87	-0.41	0.0	-1.66e-03	-1.79e-04
1902	171	-0.97	7.20	-0.37	0.0	-2.14e-04	6.91e-05
1902	172	-3.34	-5.70	-0.43	0.0	-7.46e-04	-1.29e-04
1902	180	-7.61	0.78	-0.41	0.0	-1.64e-03	-1.78e-04
1902	203	-0.92	7.35	-0.37	0.0	-2.02e-04	7.01e-05
1902	204	-3.33	-5.87	-0.43	0.0	-7.45e-04	-1.29e-04
1902	212	-8.90	0.84	-0.42	0.0	-1.91e-03	-2.11e-04
1902	235	-1.05	8.71	-0.37	0.0	-2.25e-04	8.22e-05
1902	236	-3.90	-7.01	-0.43	0.0	-8.69e-04	-1.52e-04
1902	264	-0.45	0.06	-0.44	0.0	-1.08e-04	1.59e-05
1902	276	-0.05	0.56	-0.44	0.0	-3.49e-05	6.14e-06
1902	280	-0.07	-0.04	-0.50	0.0	-4.54e-05	6.31e-06
1902	298	-0.06	0.08	-0.42	0.0	-3.71e-05	5.26e-06
1902	305	-0.13	0.07	-0.40	0.0	-4.90e-05	7.02e-06
1902	307	-0.05	0.17	-0.40	0.0	-3.44e-05	5.07e-06
1902	310	-0.05	0.08	-0.40	0.0	-3.52e-05	4.95e-06
1903	44	-0.76	0.13	-0.66	0.0	-1.59e-04	2.61e-05
1903	68	-0.10	0.98	-0.66	0.0	-5.01e-05	1.03e-05
1903	76	-0.13	-0.02	-0.76	0.0	-6.57e-05	1.05e-05
1903	116	-7.62	0.91	-0.43	0.0	-1.38e-03	-1.65e-04
1903	139	-0.98	7.15	-0.40	0.0	-1.83e-04	7.09e-05

1903	140	-3.32	-5.59	-0.45	0.0	-6.27e-04	-1.23e-04
1903	148	-8.55	1.00	-0.44	0.0	-1.55e-03	-1.87e-04
1903	171	-1.09	8.07	-0.39	0.0	-1.99e-04	7.95e-05
1903	172	-3.73	-6.34	-0.45	0.0	-7.02e-04	-1.40e-04
1903	180	-8.46	0.90	-0.44	0.0	-1.53e-03	-1.85e-04
1903	203	-1.03	8.24	-0.39	0.0	-1.88e-04	8.07e-05
1903	204	-3.72	-6.54	-0.45	0.0	-7.01e-04	-1.39e-04
1903	212	-9.89	0.96	-0.44	0.0	-1.79e-03	-2.20e-04
1903	235	-1.16	9.76	-0.39	0.0	-2.09e-04	9.45e-05
1903	236	-4.35	-7.81	-0.46	0.0	-8.18e-04	-1.65e-04
1903	264	-0.51	0.10	-0.46	0.0	-1.08e-04	1.77e-05
1903	276	-0.07	0.66	-0.46	0.0	-3.51e-05	7.19e-06
1903	280	-0.09	-6.46e-03	-0.53	0.0	-4.55e-05	7.33e-06
1903	298	-0.08	0.12	-0.44	0.0	-3.72e-05	6.12e-06
1903	305	-0.16	0.11	-0.42	0.0	-4.91e-05	8.00e-06
1903	307	-0.07	0.22	-0.42	0.0	-3.46e-05	5.90e-06
1903	310	-0.07	0.12	-0.42	0.0	-3.53e-05	5.76e-06
1904	44	-0.60	0.03	-0.60	0.0	-1.62e-04	1.91e-05
1904	68	-0.05	0.71	-0.60	0.0	-5.13e-05	7.20e-06
1904	76	-0.07	-0.10	-0.69	0.0	-6.71e-05	7.45e-06
1904	116	-5.95	0.69	-0.38	0.0	-1.53e-03	-1.73e-04
1904	138	0.72	-5.51	-0.39	0.0	1.41e-04	-4.00e-05
1904	139	-0.79	5.60	-0.37	0.0	-2.13e-04	4.81e-05
1904	148	-6.68	0.75	-0.38	0.0	-1.72e-03	-1.96e-04
1904	170	0.80	-6.24	-0.40	0.0	1.61e-04	-4.59e-05
1904	171	-0.88	6.33	-0.37	0.0	-2.33e-04	5.39e-05
1904	180	-6.61	0.67	-0.38	0.0	-1.70e-03	-1.95e-04
1904	202	0.76	-6.37	-0.40	0.0	1.49e-04	-4.67e-05
1904	203	-0.84	6.46	-0.37	0.0	-2.21e-04	5.48e-05
1904	212	-7.72	0.73	-0.38	0.0	-1.98e-03	-2.31e-04
1904	234	0.88	-7.57	-0.40	0.0	1.75e-04	-5.63e-05
1904	235	-0.95	7.66	-0.36	0.0	-2.47e-04	6.44e-05
1904	264	-0.40	0.02	-0.42	0.0	-1.10e-04	1.30e-05
1904	276	-0.04	0.47	-0.42	0.0	-3.60e-05	5.01e-06
1904	280	-0.05	-0.07	-0.48	0.0	-4.65e-05	5.18e-06
1904	298	-0.04	0.05	-0.40	0.0	-3.80e-05	4.27e-06
1904	305	-0.11	0.04	-0.38	0.0	-5.01e-05	5.71e-06
1904	307	-0.04	0.13	-0.38	0.0	-3.53e-05	4.11e-06
1904	310	-0.04	0.05	-0.38	0.0	-3.60e-05	4.03e-06
1905	44	-0.69	0.08	-0.65	0.0	-1.62e-04	2.16e-05
1905	68	-0.08	0.84	-0.65	0.0	-5.14e-05	9.01e-06
1905	76	-0.10	-0.07	-0.75	0.0	-6.70e-05	9.18e-06
1905	116	-6.76	0.79	-0.41	0.0	-1.46e-03	-1.97e-04
1905	138	0.79	-6.22	-0.43	0.0	1.31e-04	-4.64e-05
1905	139	-0.90	6.37	-0.40	0.0	-2.03e-04	5.64e-05
1905	148	-7.59	0.87	-0.41	0.0	-1.64e-03	-2.22e-04
1905	170	0.89	-7.04	-0.43	0.0	1.50e-04	-5.33e-05
1905	171	-1.00	7.19	-0.40	0.0	-2.23e-04	6.32e-05
1905	180	-7.51	0.78	-0.41	0.0	-1.62e-03	-2.21e-04
1905	202	0.84	-7.19	-0.43	0.0	1.39e-04	-5.44e-05
1905	203	-0.95	7.34	-0.40	0.0	-2.11e-04	6.43e-05
1905	212	-8.78	0.84	-0.41	0.0	-1.90e-03	-2.62e-04
1905	234	0.97	-8.55	-0.43	0.0	1.63e-04	-6.56e-05
1905	235	-1.08	8.70	-0.39	0.0	-2.35e-04	7.56e-05
1905	264	-0.46	0.05	-0.46	0.0	-1.10e-04	1.47e-05
1905	276	-0.05	0.56	-0.46	0.0	-3.60e-05	6.27e-06
1905	280	-0.07	-0.04	-0.52	0.0	-4.64e-05	6.39e-06
1905	298	-0.06	0.08	-0.43	0.0	-3.80e-05	5.28e-06
1905	305	-0.14	0.07	-0.41	0.0	-5.00e-05	6.78e-06
1905	307	-0.05	0.17	-0.41	0.0	-3.53e-05	5.10e-06
1905	310	-0.06	0.08	-0.41	0.0	-3.60e-05	4.97e-06
1906	44	-0.77	0.13	-0.69	0.0	-1.61e-04	2.40e-05
1906	68	-0.11	0.97	-0.69	0.0	-5.15e-05	1.06e-05
1906	76	-0.14	-0.02	-0.79	0.0	-6.71e-05	1.07e-05
1906	116	-7.52	0.91	-0.43	0.0	-1.37e-03	-2.13e-04
1906	138	0.86	-6.92	-0.45	0.0	1.18e-04	-5.30e-05
1906	139	-1.01	7.15	-0.42	0.0	-1.90e-04	6.46e-05
1906	148	-8.45	0.99	-0.43	0.0	-1.54e-03	-2.41e-04
1906	170	0.97	-7.84	-0.46	0.0	1.36e-04	-6.08e-05
1906	171	-1.12	8.07	-0.42	0.0	-2.08e-04	7.24e-05
1906	180	-8.35	0.89	-0.43	0.0	-1.52e-03	-2.40e-04
1906	202	0.91	-8.01	-0.46	0.0	1.25e-04	-6.21e-05
1906	203	-1.06	8.24	-0.42	0.0	-1.97e-04	7.37e-05
1906	212	-9.76	0.96	-0.43	0.0	-1.78e-03	-2.84e-04
1906	234	1.05	-9.53	-0.46	0.0	1.47e-04	-7.50e-05

1906	235	-1.20	9.76	-0.41	0.0	-2.19e-04	8.66e-05
1906	264	-0.52	0.09	-0.48	0.0	-1.09e-04	1.63e-05
1906	276	-0.07	0.65	-0.48	0.0	-3.61e-05	7.38e-06
1906	280	-0.10	-9.32e-03	-0.55	0.0	-4.65e-05	7.43e-06
1906	298	-0.08	0.12	-0.46	0.0	-3.80e-05	6.16e-06
1906	305	-0.16	0.11	-0.44	0.0	-5.00e-05	7.74e-06
1906	307	-0.07	0.22	-0.44	0.0	-3.54e-05	5.96e-06
1906	310	-0.08	0.11	-0.44	0.0	-3.60e-05	5.80e-06
1907	4	0.09	0.10	-0.70	0.0	-3.57e-05	5.35e-06
1907	44	-0.61	0.03	-0.61	0.0	-1.65e-04	1.95e-05
1907	68	-0.06	0.71	-0.61	0.0	-5.34e-05	8.28e-06
1907	116	-5.86	0.68	-0.38	0.0	-1.50e-03	-1.87e-04
1907	118	5.10	-3.23	-0.40	0.0	1.25e-03	1.16e-04
1907	139	-0.81	5.60	-0.38	0.0	-2.19e-04	4.59e-05
1907	148	-6.58	0.75	-0.38	0.0	-1.68e-03	-2.11e-04
1907	150	5.73	-3.64	-0.40	0.0	1.41e-03	1.30e-04
1907	171	-0.90	6.32	-0.38	0.0	-2.40e-04	5.14e-05
1907	180	-6.50	0.67	-0.38	0.0	-1.67e-03	-2.10e-04
1907	182	5.63	-3.65	-0.40	0.0	1.38e-03	1.28e-04
1907	203	-0.86	6.46	-0.38	0.0	-2.28e-04	5.23e-05
1907	212	-7.60	0.73	-0.38	0.0	-1.94e-03	-2.49e-04
1907	214	6.58	-4.31	-0.40	0.0	1.62e-03	1.48e-04
1907	235	-0.98	7.65	-0.38	0.0	-2.55e-04	6.14e-05
1907	244	0.06	0.07	-0.49	0.0	-2.56e-05	3.81e-06
1907	264	-0.41	0.02	-0.43	0.0	-1.12e-04	1.33e-05
1907	276	-0.04	0.47	-0.43	0.0	-3.75e-05	5.77e-06
1907	298	-0.04	0.05	-0.41	0.0	-3.91e-05	4.95e-06
1907	305	-0.11	0.04	-0.39	0.0	-5.13e-05	6.26e-06
1907	307	-0.04	0.13	-0.39	0.0	-3.65e-05	4.76e-06
1907	310	-0.04	0.04	-0.39	0.0	-3.71e-05	4.67e-06
1908	4	0.07	0.15	-0.77	0.0	-3.55e-05	7.84e-06
1908	44	-0.70	0.07	-0.67	0.0	-1.64e-04	2.25e-05
1908	68	-0.08	0.83	-0.67	0.0	-5.33e-05	1.10e-05
1908	116	-6.66	0.79	-0.42	0.0	-1.44e-03	-2.21e-04
1908	118	5.76	-3.63	-0.43	0.0	1.19e-03	1.41e-04
1908	139	-0.93	6.37	-0.41	0.0	-2.09e-04	5.31e-05
1908	148	-7.47	0.87	-0.41	0.0	-1.61e-03	-2.50e-04
1908	150	6.47	-4.10	-0.44	0.0	1.34e-03	1.58e-04
1908	171	-1.03	7.19	-0.41	0.0	-2.29e-04	5.94e-05
1908	180	-7.39	0.78	-0.41	0.0	-1.60e-03	-2.49e-04
1908	182	6.37	-4.11	-0.44	0.0	1.32e-03	1.55e-04
1908	203	-0.98	7.34	-0.41	0.0	-2.18e-04	6.06e-05
1908	212	-8.63	0.84	-0.41	0.0	-1.86e-03	-2.95e-04
1908	214	7.43	-4.85	-0.44	0.0	1.55e-03	1.80e-04
1908	235	-1.11	8.70	-0.41	0.0	-2.44e-04	7.11e-05
1908	244	0.05	0.11	-0.53	0.0	-2.55e-05	5.55e-06
1908	264	-0.47	0.05	-0.47	0.0	-1.11e-04	1.53e-05
1908	276	-0.06	0.56	-0.47	0.0	-3.73e-05	7.63e-06
1908	298	-0.06	0.08	-0.44	0.0	-3.90e-05	6.43e-06
1908	305	-0.14	0.07	-0.42	0.0	-5.11e-05	7.74e-06
1908	307	-0.06	0.17	-0.42	0.0	-3.63e-05	6.20e-06
1908	310	-0.06	0.07	-0.42	0.0	-3.70e-05	6.07e-06
1909	4	0.06	0.22	-0.81	0.0	-3.52e-05	9.57e-06
1909	44	-0.79	0.13	-0.71	0.0	-1.64e-04	2.49e-05
1909	68	-0.11	0.96	-0.71	0.0	-5.30e-05	1.29e-05
1909	116	-7.41	0.91	-0.44	0.0	-1.35e-03	-2.48e-04
1909	118	6.38	-4.03	-0.46	0.0	1.12e-03	1.59e-04
1909	139	-1.03	7.15	-0.44	0.0	-1.96e-04	6.01e-05
1909	148	-8.31	0.99	-0.44	0.0	-1.52e-03	-2.80e-04
1909	150	7.17	-4.55	-0.46	0.0	1.26e-03	1.77e-04
1909	171	-1.15	8.06	-0.44	0.0	-2.15e-04	6.72e-05
1909	180	-8.22	0.89	-0.44	0.0	-1.50e-03	-2.79e-04
1909	182	7.05	-4.56	-0.46	0.0	1.24e-03	1.74e-04
1909	203	-1.09	8.23	-0.44	0.0	-2.04e-04	6.87e-05
1909	212	-9.60	0.96	-0.44	0.0	-1.75e-03	-3.30e-04
1909	214	8.24	-5.39	-0.46	0.0	1.45e-03	2.02e-04
1909	235	-1.24	9.76	-0.43	0.0	-2.28e-04	8.07e-05
1909	244	0.03	0.15	-0.56	0.0	-2.53e-05	6.77e-06
1909	264	-0.53	0.09	-0.49	0.0	-1.11e-04	1.70e-05
1909	276	-0.08	0.65	-0.49	0.0	-3.71e-05	9.01e-06
1909	298	-0.08	0.12	-0.47	0.0	-3.88e-05	7.52e-06
1909	305	-0.17	0.10	-0.45	0.0	-5.09e-05	8.86e-06
1909	307	-0.08	0.21	-0.45	0.0	-3.61e-05	7.26e-06
1909	310	-0.08	0.11	-0.45	0.0	-3.68e-05	7.09e-06
1910	4	0.09	0.09	-0.71	0.0	-3.93e-05	7.89e-06

1910	44	-0.62	0.03	-0.62	0.0	-1.68e-04	2.13e-05
1910	68	-0.06	0.70	-0.62	0.0	-5.72e-05	1.04e-05
1910	116	-5.76	0.68	-0.38	0.0	-1.46e-03	-1.98e-04
1910	121	5.33	1.31	-0.41	0.0	1.27e-03	4.25e-05
1910	139	-0.83	5.59	-0.39	0.0	-2.24e-04	4.46e-05
1910	148	-6.47	0.75	-0.38	0.0	-1.64e-03	-2.24e-04
1910	153	6.00	1.47	-0.41	0.0	1.44e-03	4.74e-05
1910	171	-0.92	6.32	-0.39	0.0	-2.45e-04	4.98e-05
1910	180	-6.39	0.67	-0.38	0.0	-1.62e-03	-2.23e-04
1910	185	5.92	1.52	-0.41	0.0	1.42e-03	4.98e-05
1910	203	-0.88	6.45	-0.39	0.0	-2.34e-04	5.08e-05
1910	212	-7.47	0.73	-0.37	0.0	-1.89e-03	-2.64e-04
1910	217	6.90	1.81	-0.41	0.0	1.66e-03	5.96e-05
1910	235	-1.00	7.65	-0.39	0.0	-2.63e-04	5.95e-05
1910	244	0.06	0.06	-0.50	0.0	-2.82e-05	5.58e-06
1910	264	-0.42	0.02	-0.43	0.0	-1.14e-04	1.45e-05
1910	276	-0.04	0.47	-0.44	0.0	-4.01e-05	7.28e-06
1910	298	-0.04	0.04	-0.41	0.0	-4.12e-05	6.28e-06
1910	305	-0.12	0.04	-0.39	0.0	-5.33e-05	7.47e-06
1910	307	-0.04	0.13	-0.39	0.0	-3.85e-05	6.02e-06
1910	310	-0.04	0.04	-0.39	0.0	-3.91e-05	5.93e-06
1911	4	0.07	0.15	-0.78	0.0	-3.82e-05	1.20e-05
1911	44	-0.71	0.07	-0.67	0.0	-1.67e-04	2.55e-05
1911	68	-0.09	0.82	-0.68	0.0	-5.61e-05	1.46e-05
1911	116	-6.54	0.79	-0.41	0.0	-1.41e-03	-2.42e-04
1911	121	6.00	1.50	-0.45	0.0	1.23e-03	8.37e-05
1911	139	-0.94	6.36	-0.43	0.0	-2.14e-04	5.09e-05
1911	148	-7.34	0.87	-0.41	0.0	-1.58e-03	-2.74e-04
1911	153	6.76	1.69	-0.45	0.0	1.38e-03	9.35e-05
1911	171	-1.05	7.18	-0.43	0.0	-2.35e-04	5.67e-05
1911	180	-7.25	0.78	-0.41	0.0	-1.56e-03	-2.73e-04
1911	185	6.67	1.74	-0.45	0.0	1.37e-03	9.45e-05
1911	203	-1.00	7.33	-0.43	0.0	-2.24e-04	5.82e-05
1911	212	-8.47	0.84	-0.41	0.0	-1.82e-03	-3.23e-04
1911	217	7.78	2.08	-0.45	0.0	1.60e-03	1.11e-04
1911	235	-1.14	8.69	-0.43	0.0	-2.51e-04	6.80e-05
1911	244	0.04	0.10	-0.54	0.0	-2.74e-05	8.43e-06
1911	264	-0.48	0.05	-0.47	0.0	-1.13e-04	1.74e-05
1911	276	-0.06	0.55	-0.48	0.0	-3.93e-05	1.02e-05
1911	298	-0.07	0.08	-0.45	0.0	-4.06e-05	8.60e-06
1911	305	-0.14	0.06	-0.43	0.0	-5.27e-05	9.74e-06
1911	307	-0.06	0.17	-0.43	0.0	-3.79e-05	8.29e-06
1911	310	-0.06	0.07	-0.43	0.0	-3.85e-05	8.14e-06
1912	4	0.05	0.22	-0.82	0.0	-3.66e-05	1.46e-05
1912	44	-0.80	0.12	-0.71	0.0	-1.66e-04	2.84e-05
1912	68	-0.12	0.96	-0.72	0.0	-5.46e-05	1.73e-05
1912	116	-7.27	0.90	-0.43	0.0	-1.33e-03	-2.75e-04
1912	121	6.64	1.71	-0.47	0.0	1.16e-03	9.37e-05
1912	139	-1.06	7.14	-0.45	0.0	-2.01e-04	5.72e-05
1912	148	-8.16	0.99	-0.43	0.0	-1.49e-03	-3.11e-04
1912	153	7.48	1.92	-0.47	0.0	1.31e-03	1.05e-04
1912	171	-1.17	8.06	-0.45	0.0	-2.20e-04	6.37e-05
1912	180	-8.07	0.89	-0.43	0.0	-1.47e-03	-3.10e-04
1912	185	7.38	1.98	-0.47	0.0	1.30e-03	1.06e-04
1912	203	-1.12	8.23	-0.45	0.0	-2.10e-04	6.54e-05
1912	212	-9.42	0.96	-0.43	0.0	-1.71e-03	-3.67e-04
1912	217	8.62	2.36	-0.48	0.0	1.52e-03	1.24e-04
1912	235	-1.27	9.75	-0.45	0.0	-2.35e-04	7.65e-05
1912	244	0.03	0.15	-0.57	0.0	-2.63e-05	1.02e-05
1912	264	-0.54	0.09	-0.50	0.0	-1.12e-04	1.95e-05
1912	276	-0.08	0.64	-0.50	0.0	-3.83e-05	1.21e-05
1912	298	-0.09	0.11	-0.47	0.0	-3.97e-05	1.01e-05
1912	305	-0.17	0.10	-0.45	0.0	-5.18e-05	1.13e-05
1912	307	-0.08	0.21	-0.45	0.0	-3.70e-05	9.77e-06
1912	310	-0.08	0.11	-0.45	0.0	-3.76e-05	9.58e-06
1913	44	-0.64	0.02	-0.62	0.0	-1.74e-04	2.40e-05
1913	52	-0.08	0.46	-0.72	0.0	-7.47e-05	1.52e-05
1913	68	-0.07	0.70	-0.63	0.0	-6.27e-05	1.36e-05
1913	116	-5.66	0.68	-0.37	0.0	-1.41e-03	-2.09e-04
1913	125	5.16	1.68	-0.43	0.0	1.20e-03	4.30e-05
1913	139	-0.84	5.59	-0.40	0.0	-2.27e-04	4.42e-05
1913	148	-6.35	0.75	-0.36	0.0	-1.58e-03	-2.36e-04
1913	157	5.80	1.90	-0.43	0.0	1.36e-03	4.74e-05
1913	171	-0.93	6.31	-0.40	0.0	-2.49e-04	4.91e-05
1913	180	-6.27	0.67	-0.36	0.0	-1.56e-03	-2.35e-04

1913	189	5.72	1.94	-0.43	0.0	1.34e-03	4.66e-05
1913	203	-0.89	6.45	-0.40	0.0	-2.39e-04	5.03e-05
1913	212	-7.32	0.72	-0.36	0.0	-1.82e-03	-2.79e-04
1913	221	6.66	2.30	-0.44	0.0	1.56e-03	5.33e-05
1913	235	-1.02	7.64	-0.40	0.0	-2.68e-04	5.86e-05
1913	264	-0.43	0.02	-0.44	0.0	-1.18e-04	1.64e-05
1913	268	-0.06	0.31	-0.50	0.0	-5.19e-05	1.06e-05
1913	276	-0.05	0.47	-0.44	0.0	-4.39e-05	9.48e-06
1913	298	-0.05	0.04	-0.42	0.0	-4.44e-05	8.15e-06
1913	305	-0.12	0.03	-0.40	0.0	-5.64e-05	9.22e-06
1913	307	-0.05	0.12	-0.40	0.0	-4.16e-05	7.83e-06
1913	310	-0.05	0.04	-0.40	0.0	-4.21e-05	7.72e-06
1914	44	-0.73	0.06	-0.68	0.0	-1.71e-04	2.98e-05
1914	52	-0.12	0.55	-0.78	0.0	-7.19e-05	2.16e-05
1914	68	-0.10	0.82	-0.69	0.0	-6.02e-05	1.94e-05
1914	116	-6.41	0.79	-0.40	0.0	-1.37e-03	-2.63e-04
1914	125	5.79	1.93	-0.46	0.0	1.17e-03	6.41e-05
1914	139	-0.96	6.36	-0.44	0.0	-2.18e-04	4.95e-05
1914	148	-7.19	0.86	-0.39	0.0	-1.53e-03	-2.97e-04
1914	157	6.52	2.17	-0.47	0.0	1.32e-03	7.08e-05
1914	171	-1.06	7.18	-0.44	0.0	-2.39e-04	5.48e-05
1914	180	-7.10	0.77	-0.40	0.0	-1.51e-03	-2.96e-04
1914	189	6.43	2.22	-0.47	0.0	1.30e-03	7.02e-05
1914	203	-1.02	7.33	-0.44	0.0	-2.29e-04	5.64e-05
1914	212	-8.29	0.83	-0.39	0.0	-1.76e-03	-3.51e-04
1914	221	7.49	2.63	-0.47	0.0	1.52e-03	8.05e-05
1914	235	-1.16	8.69	-0.44	0.0	-2.57e-04	6.57e-05
1914	264	-0.49	0.04	-0.47	0.0	-1.16e-04	2.04e-05
1914	268	-0.08	0.37	-0.54	0.0	-5.00e-05	1.50e-05
1914	276	-0.07	0.55	-0.48	0.0	-4.22e-05	1.36e-05
1914	298	-0.07	0.07	-0.45	0.0	-4.29e-05	1.15e-05
1914	305	-0.15	0.06	-0.43	0.0	-5.50e-05	1.24e-05
1914	307	-0.07	0.16	-0.43	0.0	-4.01e-05	1.11e-05
1914	310	-0.07	0.07	-0.43	0.0	-4.07e-05	1.09e-05
1915	44	-0.82	0.11	-0.72	0.0	-1.68e-04	3.36e-05
1915	52	-0.16	0.66	-0.83	0.0	-6.80e-05	2.55e-05
1915	68	-0.13	0.95	-0.73	0.0	-5.67e-05	2.30e-05
1915	116	-7.12	0.90	-0.42	0.0	-1.30e-03	-3.01e-04
1915	125	6.41	2.18	-0.49	0.0	1.12e-03	8.08e-05
1915	139	-1.07	7.14	-0.46	0.0	-2.06e-04	5.52e-05
1915	148	-7.99	0.98	-0.41	0.0	-1.46e-03	-3.40e-04
1915	157	7.21	2.46	-0.50	0.0	1.26e-03	8.93e-05
1915	171	-1.19	8.05	-0.46	0.0	-2.25e-04	6.11e-05
1915	180	-7.89	0.88	-0.41	0.0	-1.44e-03	-3.39e-04
1915	189	7.11	2.51	-0.50	0.0	1.24e-03	8.86e-05
1915	203	-1.14	8.22	-0.46	0.0	-2.16e-04	6.31e-05
1915	212	-9.21	0.95	-0.41	0.0	-1.68e-03	-4.02e-04
1915	221	8.28	2.97	-0.50	0.0	1.45e-03	1.02e-04
1915	235	-1.30	9.74	-0.46	0.0	-2.41e-04	7.33e-05
1915	264	-0.55	0.08	-0.50	0.0	-1.14e-04	2.31e-05
1915	268	-0.11	0.45	-0.57	0.0	-4.72e-05	1.77e-05
1915	276	-0.09	0.64	-0.51	0.0	-3.97e-05	1.61e-05
1915	298	-0.09	0.11	-0.48	0.0	-4.08e-05	1.35e-05
1915	305	-0.18	0.10	-0.45	0.0	-5.29e-05	1.45e-05
1915	307	-0.09	0.21	-0.45	0.0	-3.81e-05	1.31e-05
1915	310	-0.09	0.10	-0.45	0.0	-3.87e-05	1.28e-05
1916	44	-0.65	0.02	-0.63	0.0	-1.81e-04	2.71e-05
1916	52	-0.09	0.45	-0.73	0.0	-8.32e-05	1.90e-05
1916	68	-0.08	0.69	-0.64	0.0	-7.06e-05	1.71e-05
1916	116	-5.55	0.68	-0.35	0.0	-1.35e-03	-2.19e-04
1916	125	5.14	1.68	-0.46	0.0	1.16e-03	4.86e-05
1916	139	-0.85	5.58	-0.42	0.0	-2.30e-04	4.44e-05
1916	148	-6.23	0.74	-0.34	0.0	-1.51e-03	-2.48e-04
1916	157	5.78	1.90	-0.46	0.0	1.31e-03	5.34e-05
1916	171	-0.95	6.31	-0.42	0.0	-2.52e-04	4.91e-05
1916	180	-6.15	0.66	-0.34	0.0	-1.50e-03	-2.47e-04
1916	189	5.70	1.94	-0.46	0.0	1.29e-03	5.28e-05
1916	203	-0.91	6.44	-0.42	0.0	-2.43e-04	5.04e-05
1916	212	-7.17	0.72	-0.33	0.0	-1.74e-03	-2.93e-04
1916	221	6.63	2.30	-0.47	0.0	1.51e-03	6.03e-05
1916	235	-1.04	7.64	-0.43	0.0	-2.72e-04	5.85e-05
1916	264	-0.44	0.01	-0.44	0.0	-1.23e-04	1.86e-05
1916	268	-0.06	0.30	-0.51	0.0	-5.78e-05	1.32e-05
1916	276	-0.05	0.46	-0.45	0.0	-4.94e-05	1.19e-05
1916	298	-0.05	0.04	-0.42	0.0	-4.89e-05	1.02e-05

1916	305	-0.13	0.03	-0.40	0.0	-6.07e-05	1.11e-05
1916	307	-0.05	0.12	-0.40	0.0	-4.59e-05	9.81e-06
1916	310	-0.05	0.04	-0.40	0.0	-4.64e-05	9.68e-06
1917	44	-0.75	0.06	-0.68	0.0	-1.77e-04	3.39e-05
1917	52	-0.13	0.55	-0.80	0.0	-7.79e-05	2.67e-05
1917	68	-0.11	0.81	-0.70	0.0	-6.57e-05	2.41e-05
1917	116	-6.26	0.78	-0.38	0.0	-1.32e-03	-2.81e-04
1917	125	5.76	1.93	-0.50	0.0	1.14e-03	8.78e-05
1917	139	-0.97	6.35	-0.46	0.0	-2.22e-04	4.86e-05
1917	148	-7.03	0.86	-0.37	0.0	-1.48e-03	-3.18e-04
1917	157	6.48	2.17	-0.51	0.0	1.29e-03	9.72e-05
1917	171	-1.08	7.17	-0.46	0.0	-2.43e-04	5.35e-05
1917	180	-6.94	0.77	-0.37	0.0	-1.46e-03	-3.17e-04
1917	189	6.38	2.22	-0.50	0.0	1.27e-03	9.64e-05
1917	203	-1.04	7.32	-0.46	0.0	-2.33e-04	5.54e-05
1917	212	-8.10	0.83	-0.36	0.0	-1.70e-03	-3.76e-04
1917	221	7.44	2.63	-0.52	0.0	1.48e-03	1.11e-04
1917	235	-1.18	8.68	-0.46	0.0	-2.62e-04	6.41e-05
1917	264	-0.50	0.04	-0.48	0.0	-1.20e-04	2.33e-05
1917	268	-0.09	0.37	-0.55	0.0	-5.42e-05	1.85e-05
1917	276	-0.08	0.54	-0.49	0.0	-4.60e-05	1.68e-05
1917	298	-0.08	0.07	-0.46	0.0	-4.61e-05	1.42e-05
1917	305	-0.16	0.06	-0.43	0.0	-5.80e-05	1.50e-05
1917	307	-0.07	0.16	-0.44	0.0	-4.32e-05	1.37e-05
1917	310	-0.08	0.06	-0.43	0.0	-4.37e-05	1.35e-05
1918	44	-0.84	0.11	-0.72	0.0	-1.71e-04	3.81e-05
1918	52	-0.18	0.66	-0.84	0.0	-7.07e-05	3.10e-05
1918	68	-0.15	0.94	-0.74	0.0	-5.92e-05	2.80e-05
1918	116	-6.96	0.90	-0.40	0.0	-1.27e-03	-3.21e-04
1918	125	6.36	2.18	-0.53	0.0	1.11e-03	1.08e-04
1918	139	-1.09	7.13	-0.48	0.0	-2.10e-04	5.39e-05
1918	148	-7.80	0.98	-0.39	0.0	-1.42e-03	-3.63e-04
1918	157	7.16	2.45	-0.54	0.0	1.25e-03	1.19e-04
1918	171	-1.21	8.05	-0.48	0.0	-2.29e-04	5.93e-05
1918	180	-7.70	0.88	-0.39	0.0	-1.41e-03	-3.62e-04
1918	189	7.05	2.51	-0.54	0.0	1.23e-03	1.18e-04
1918	203	-1.16	8.22	-0.49	0.0	-2.20e-04	6.16e-05
1918	212	-8.99	0.95	-0.38	0.0	-1.64e-03	-4.29e-04
1918	221	8.22	2.96	-0.55	0.0	1.44e-03	1.36e-04
1918	235	-1.32	9.74	-0.49	0.0	-2.47e-04	7.13e-05
1918	264	-0.57	0.08	-0.50	0.0	-1.16e-04	2.63e-05
1918	268	-0.12	0.44	-0.58	0.0	-4.91e-05	2.15e-05
1918	276	-0.10	0.63	-0.52	0.0	-4.14e-05	1.95e-05
1918	298	-0.10	0.10	-0.48	0.0	-4.22e-05	1.65e-05
1918	305	-0.19	0.09	-0.46	0.0	-5.44e-05	1.72e-05
1918	307	-0.10	0.20	-0.46	0.0	-3.95e-05	1.59e-05
1918	310	-0.10	0.10	-0.46	0.0	-4.00e-05	1.56e-05
1919	44	-0.67	0.01	-0.64	0.0	-1.90e-04	2.89e-05
1919	52	-0.10	0.44	-0.75	0.0	-9.37e-05	2.13e-05
1919	68	-0.09	0.68	-0.66	0.0	-8.01e-05	1.92e-05
1919	116	-5.43	0.67	-0.31	0.0	-1.28e-03	-2.22e-04
1919	125	5.11	1.68	-0.52	0.0	1.12e-03	5.39e-05
1919	139	-0.86	5.57	-0.45	0.0	-2.33e-04	4.51e-05
1919	148	-6.09	0.74	-0.30	0.0	-1.44e-03	-2.52e-04
1919	157	5.76	1.89	-0.53	0.0	1.26e-03	5.94e-05
1919	171	-0.96	6.30	-0.45	0.0	-2.54e-04	4.98e-05
1919	180	-6.01	0.66	-0.30	0.0	-1.42e-03	-2.51e-04
1919	189	5.67	1.93	-0.53	0.0	1.24e-03	5.88e-05
1919	203	-0.92	6.43	-0.46	0.0	-2.46e-04	5.12e-05
1919	212	-7.02	0.72	-0.28	0.0	-1.65e-03	-2.98e-04
1919	221	6.60	2.29	-0.55	0.0	1.45e-03	6.71e-05
1919	235	-1.06	7.63	-0.47	0.0	-2.75e-04	5.93e-05
1919	264	-0.45	7.84e-03	-0.45	0.0	-1.30e-04	1.98e-05
1919	268	-0.07	0.30	-0.52	0.0	-6.51e-05	1.48e-05
1919	276	-0.06	0.46	-0.46	0.0	-5.61e-05	1.34e-05
1919	298	-0.06	0.04	-0.43	0.0	-5.44e-05	1.14e-05
1919	305	-0.13	0.03	-0.40	0.0	-6.60e-05	1.23e-05
1919	307	-0.06	0.12	-0.41	0.0	-5.13e-05	1.10e-05
1919	310	-0.06	0.03	-0.41	0.0	-5.16e-05	1.08e-05
1920	44	-0.77	0.05	-0.69	0.0	-1.83e-04	3.47e-05
1920	52	-0.15	0.54	-0.82	0.0	-8.45e-05	2.77e-05
1920	68	-0.13	0.80	-0.73	0.0	-7.17e-05	2.50e-05
1920	116	-6.11	0.78	-0.34	0.0	-1.27e-03	-2.83e-04
1920	125	5.70	1.92	-0.56	0.0	1.11e-03	9.18e-05
1920	139	-0.99	6.34	-0.49	0.0	-2.24e-04	4.88e-05

1920	148	-6.86	0.85	-0.33	0.0	-1.42e-03	-3.20e-04
1920	157	6.42	2.16	-0.58	0.0	1.25e-03	1.02e-04
1920	171	-1.09	7.16	-0.50	0.0	-2.45e-04	5.37e-05
1920	180	-6.77	0.76	-0.33	0.0	-1.40e-03	-3.19e-04
1920	189	6.33	2.21	-0.58	0.0	1.23e-03	1.01e-04
1920	203	-1.05	7.31	-0.50	0.0	-2.37e-04	5.56e-05
1920	212	-7.89	0.83	-0.30	0.0	-1.63e-03	-3.78e-04
1920	221	7.37	2.62	-0.60	0.0	1.44e-03	1.16e-04
1920	235	-1.20	8.67	-0.51	0.0	-2.65e-04	6.43e-05
1920	264	-0.52	0.04	-0.49	0.0	-1.24e-04	2.39e-05
1920	268	-0.11	0.36	-0.57	0.0	-5.87e-05	1.92e-05
1920	276	-0.09	0.54	-0.51	0.0	-5.02e-05	1.74e-05
1920	298	-0.09	0.06	-0.47	0.0	-4.95e-05	1.48e-05
1920	305	-0.17	0.05	-0.44	0.0	-6.14e-05	1.55e-05
1920	307	-0.08	0.15	-0.44	0.0	-4.65e-05	1.42e-05
1920	310	-0.08	0.06	-0.44	0.0	-4.69e-05	1.40e-05
1921	44	-0.86	0.10	-0.73	0.0	-1.74e-04	3.82e-05
1921	52	-0.19	0.65	-0.86	0.0	-7.36e-05	3.10e-05
1921	68	-0.16	0.93	-0.77	0.0	-6.18e-05	2.80e-05
1921	116	-6.78	0.89	-0.35	0.0	-1.24e-03	-3.21e-04
1921	125	6.29	2.17	-0.60	0.0	1.10e-03	1.09e-04
1921	139	-1.10	7.12	-0.52	0.0	-2.13e-04	5.36e-05
1921	148	-7.61	0.97	-0.34	0.0	-1.39e-03	-3.64e-04
1921	157	7.09	2.45	-0.61	0.0	1.24e-03	1.21e-04
1921	171	-1.22	8.04	-0.52	0.0	-2.34e-04	5.90e-05
1921	180	-7.51	0.87	-0.34	0.0	-1.37e-03	-3.62e-04
1921	189	6.98	2.50	-0.61	0.0	1.22e-03	1.20e-04
1921	203	-1.18	8.21	-0.53	0.0	-2.25e-04	6.13e-05
1921	212	-8.76	0.94	-0.32	0.0	-1.60e-03	-4.30e-04
1921	221	8.14	2.96	-0.63	0.0	1.43e-03	1.38e-04
1921	235	-1.34	9.73	-0.54	0.0	-2.53e-04	7.09e-05
1921	264	-0.58	0.07	-0.51	0.0	-1.18e-04	2.63e-05
1921	268	-0.14	0.43	-0.60	0.0	-5.11e-05	2.15e-05
1921	276	-0.12	0.62	-0.54	0.0	-4.33e-05	1.95e-05
1921	298	-0.11	0.10	-0.49	0.0	-4.37e-05	1.65e-05
1921	305	-0.20	0.09	-0.46	0.0	-5.59e-05	1.72e-05
1921	307	-0.11	0.20	-0.47	0.0	-4.09e-05	1.59e-05
1921	310	-0.11	0.09	-0.47	0.0	-4.14e-05	1.56e-05
1922	44	-0.78	0.21	-0.46	0.0	-1.66e-04	4.13e-05
1922	68	-0.10	1.13	-0.42	0.0	-5.05e-05	1.68e-05
1922	76	-0.14	0.05	-0.52	0.0	-6.84e-05	1.82e-05
1922	116	-8.29	1.03	-0.37	0.0	-1.51e-03	1.18e-04
1922	139	-0.93	7.90	-0.13	0.0	-1.62e-04	1.38e-04
1922	140	-3.70	-6.11	-0.48	0.0	-7.09e-04	-2.10e-05
1922	148	-9.31	1.12	-0.39	0.0	-1.69e-03	1.30e-04
1922	171	-1.02	8.91	-0.11	0.0	-1.75e-04	1.54e-04
1922	172	-4.15	-6.94	-0.50	0.0	-7.94e-04	-2.52e-05
1922	180	-9.22	1.01	-0.39	0.0	-1.68e-03	1.22e-04
1922	203	-0.96	9.10	-0.11	0.0	-1.62e-04	1.51e-04
1922	204	-4.15	-7.15	-0.50	0.0	-7.94e-04	-2.65e-05
1922	212	-10.78	1.09	-0.41	0.0	-1.96e-03	1.38e-04
1922	235	-1.07	10.77	-0.07	0.0	-1.77e-04	1.75e-04
1922	236	-4.86	-8.55	-0.54	0.0	-9.28e-04	-3.37e-05
1922	264	-0.52	0.15	-0.32	0.0	-1.13e-04	2.81e-05
1922	276	-0.07	0.76	-0.30	0.0	-3.54e-05	1.17e-05
1922	280	-0.10	0.04	-0.37	0.0	-4.74e-05	1.27e-05
1922	298	-0.08	0.17	-0.31	0.0	-3.85e-05	1.06e-05
1922	305	-0.16	0.16	-0.29	0.0	-5.11e-05	1.34e-05
1922	307	-0.07	0.28	-0.29	0.0	-3.56e-05	1.02e-05
1922	310	-0.08	0.16	-0.29	0.0	-3.66e-05	1.00e-05
1923	44	-0.87	0.30	-0.48	0.0	-1.68e-04	2.08e-05
1923	68	-0.13	1.28	-0.45	0.0	-5.18e-05	1.08e-05
1923	76	-0.18	0.14	-0.55	0.0	-7.00e-05	9.01e-06
1923	116	-9.05	1.16	-0.39	0.0	-1.48e-03	-2.56e-04
1923	139	-1.01	8.65	-0.14	0.0	-1.57e-04	9.30e-05
1923	140	-4.06	-6.61	-0.50	0.0	-6.95e-04	-1.86e-04
1923	148	-10.16	1.26	-0.41	0.0	-1.65e-03	-2.89e-04
1923	171	-1.11	9.74	-0.12	0.0	-1.69e-04	1.05e-04
1923	172	-4.56	-7.52	-0.53	0.0	-7.78e-04	-2.10e-04
1923	180	-10.07	1.14	-0.41	0.0	-1.64e-03	-2.89e-04
1923	203	-1.04	9.95	-0.11	0.0	-1.56e-04	1.08e-04
1923	204	-4.55	-7.75	-0.53	0.0	-7.79e-04	-2.11e-04
1923	212	-11.77	1.22	-0.43	0.0	-1.91e-03	-3.43e-04
1923	235	-1.16	11.77	-0.08	0.0	-1.70e-04	1.27e-04
1923	236	-5.33	-9.28	-0.57	0.0	-9.10e-04	-2.51e-04

1923	264	-0.58	0.21	-0.34	0.0	-1.14e-04	1.42e-05
1923	276	-0.09	0.86	-0.32	0.0	-3.64e-05	7.55e-06
1923	280	-0.12	0.10	-0.39	0.0	-4.85e-05	6.39e-06
1923	298	-0.10	0.23	-0.32	0.0	-3.95e-05	5.69e-06
1923	305	-0.19	0.21	-0.31	0.0	-5.21e-05	7.05e-06
1923	307	-0.09	0.34	-0.30	0.0	-3.65e-05	5.71e-06
1923	310	-0.10	0.22	-0.31	0.0	-3.75e-05	5.39e-06
1924	44	-0.80	0.21	-0.58	0.0	-1.59e-04	3.74e-05
1924	68	-0.11	1.12	-0.55	0.0	-4.89e-05	1.48e-05
1924	76	-0.15	0.05	-0.66	0.0	-6.54e-05	1.57e-05
1924	116	-8.33	1.03	-0.41	0.0	-1.36e-03	6.08e-05
1924	139	-0.98	7.90	-0.28	0.0	-1.58e-04	1.29e-04
1924	140	-3.69	-6.11	-0.46	0.0	-6.30e-04	-4.50e-05
1924	148	-9.36	1.12	-0.41	0.0	-1.52e-03	6.61e-05
1924	171	-1.08	8.91	-0.27	0.0	-1.71e-04	1.43e-04
1924	172	-4.15	-6.94	-0.48	0.0	-7.05e-04	-5.22e-05
1924	180	-9.27	1.01	-0.42	0.0	-1.51e-03	5.84e-05
1924	203	-1.02	9.10	-0.27	0.0	-1.59e-04	1.41e-04
1924	204	-4.14	-7.15	-0.48	0.0	-7.06e-04	-5.37e-05
1924	212	-10.83	1.09	-0.43	0.0	-1.76e-03	6.34e-05
1924	235	-1.15	10.77	-0.25	0.0	-1.74e-04	1.64e-04
1924	236	-4.85	-8.56	-0.50	0.0	-8.24e-04	-6.54e-05
1924	264	-0.54	0.15	-0.40	0.0	-1.08e-04	2.54e-05
1924	276	-0.08	0.76	-0.39	0.0	-3.43e-05	1.03e-05
1924	280	-0.11	0.04	-0.46	0.0	-4.53e-05	1.10e-05
1924	298	-0.09	0.17	-0.38	0.0	-3.69e-05	9.17e-06
1924	305	-0.17	0.16	-0.37	0.0	-4.89e-05	1.18e-05
1924	307	-0.08	0.28	-0.36	0.0	-3.42e-05	8.80e-06
1924	310	-0.08	0.16	-0.36	0.0	-3.51e-05	8.66e-06
1925	44	-0.88	0.29	-0.60	0.0	-1.62e-04	3.09e-05
1925	68	-0.14	1.27	-0.58	0.0	-5.03e-05	1.33e-05
1925	76	-0.19	0.14	-0.69	0.0	-6.72e-05	1.30e-05
1925	116	-8.99	1.16	-0.43	0.0	-1.32e-03	2.15e-05
1925	139	-1.06	8.64	-0.29	0.0	-1.51e-04	1.44e-04
1925	140	-4.00	-6.61	-0.49	0.0	-6.19e-04	-7.79e-05
1925	148	-10.10	1.26	-0.44	0.0	-1.48e-03	2.21e-05
1925	171	-1.17	9.74	-0.28	0.0	-1.64e-04	1.62e-04
1925	172	-4.49	-7.52	-0.50	0.0	-6.93e-04	-8.91e-05
1925	180	-10.00	1.14	-0.44	0.0	-1.47e-03	1.44e-05
1925	203	-1.10	9.95	-0.28	0.0	-1.52e-04	1.61e-04
1925	204	-4.49	-7.76	-0.50	0.0	-6.93e-04	-9.12e-05
1925	212	-11.69	1.22	-0.45	0.0	-1.72e-03	1.27e-05
1925	235	-1.23	11.77	-0.26	0.0	-1.66e-04	1.88e-04
1925	236	-5.25	-9.28	-0.53	0.0	-8.09e-04	-1.10e-04
1925	264	-0.59	0.21	-0.42	0.0	-1.10e-04	2.10e-05
1925	276	-0.09	0.86	-0.41	0.0	-3.53e-05	9.30e-06
1925	280	-0.13	0.10	-0.48	0.0	-4.66e-05	9.07e-06
1925	298	-0.10	0.23	-0.40	0.0	-3.79e-05	7.72e-06
1925	305	-0.20	0.21	-0.38	0.0	-5.01e-05	9.85e-06
1925	307	-0.10	0.34	-0.38	0.0	-3.52e-05	7.51e-06
1925	310	-0.10	0.22	-0.38	0.0	-3.60e-05	7.27e-06
1926	44	-0.82	0.20	-0.65	0.0	-1.58e-04	3.23e-05
1926	68	-0.12	1.12	-0.64	0.0	-4.94e-05	1.28e-05
1926	76	-0.16	0.05	-0.74	0.0	-6.53e-05	1.32e-05
1926	116	-8.33	1.03	-0.44	0.0	-1.31e-03	2.19e-05
1926	139	-1.03	7.90	-0.36	0.0	-1.62e-04	1.27e-04
1926	140	-3.67	-6.11	-0.46	0.0	-6.04e-04	-6.56e-05
1926	148	-9.36	1.12	-0.44	0.0	-1.47e-03	2.26e-05
1926	171	-1.14	8.90	-0.36	0.0	-1.76e-04	1.42e-04
1926	172	-4.12	-6.94	-0.47	0.0	-6.76e-04	-7.52e-05
1926	180	-9.26	1.01	-0.44	0.0	-1.45e-03	1.51e-05
1926	203	-1.07	9.09	-0.36	0.0	-1.65e-04	1.41e-04
1926	204	-4.11	-7.16	-0.47	0.0	-6.75e-04	-7.69e-05
1926	212	-10.83	1.08	-0.44	0.0	-1.70e-03	1.36e-05
1926	235	-1.21	10.76	-0.35	0.0	-1.82e-04	1.64e-04
1926	236	-4.81	-8.56	-0.48	0.0	-7.88e-04	-9.24e-05
1926	264	-0.55	0.14	-0.45	0.0	-1.07e-04	2.19e-05
1926	276	-0.08	0.75	-0.45	0.0	-3.46e-05	8.91e-06
1926	280	-0.11	0.04	-0.52	0.0	-4.52e-05	9.18e-06
1926	298	-0.09	0.17	-0.43	0.0	-3.69e-05	7.70e-06
1926	305	-0.18	0.15	-0.41	0.0	-4.88e-05	1.00e-05
1926	307	-0.08	0.28	-0.41	0.0	-3.43e-05	7.41e-06
1926	310	-0.09	0.16	-0.41	0.0	-3.50e-05	7.25e-06
1927	44	-0.90	0.29	-0.68	0.0	-1.60e-04	3.16e-05
1927	68	-0.14	1.27	-0.67	0.0	-5.03e-05	1.32e-05

1927	76	-0.19	0.13	-0.78	0.0	-6.64e-05	1.30e-05
1927	116	-8.96	1.15	-0.46	0.0	-1.25e-03	2.54e-05
1927	139	-1.11	8.64	-0.38	0.0	-1.53e-04	1.44e-04
1927	140	-3.96	-6.62	-0.49	0.0	-5.81e-04	-7.58e-05
1927	148	-10.06	1.25	-0.46	0.0	-1.40e-03	2.66e-05
1927	171	-1.22	9.74	-0.37	0.0	-1.66e-04	1.62e-04
1927	172	-4.44	-7.52	-0.50	0.0	-6.50e-04	-8.67e-05
1927	180	-9.96	1.13	-0.46	0.0	-1.39e-03	1.94e-05
1927	203	-1.15	9.95	-0.37	0.0	-1.55e-04	1.60e-04
1927	204	-4.44	-7.76	-0.50	0.0	-6.50e-04	-8.86e-05
1927	212	-11.64	1.21	-0.47	0.0	-1.62e-03	1.86e-05
1927	235	-1.30	11.77	-0.36	0.0	-1.70e-04	1.88e-04
1927	236	-5.19	-9.29	-0.51	0.0	-7.59e-04	-1.06e-04
1927	264	-0.61	0.20	-0.48	0.0	-1.08e-04	2.14e-05
1927	276	-0.10	0.85	-0.47	0.0	-3.53e-05	9.16e-06
1927	280	-0.13	0.10	-0.54	0.0	-4.60e-05	9.08e-06
1927	298	-0.11	0.23	-0.45	0.0	-3.76e-05	7.65e-06
1927	305	-0.20	0.21	-0.43	0.0	-4.95e-05	9.87e-06
1927	307	-0.10	0.34	-0.43	0.0	-3.49e-05	7.42e-06
1927	310	-0.10	0.22	-0.43	0.0	-3.57e-05	7.19e-06
1928	44	-0.84	0.20	-0.69	0.0	-1.59e-04	2.80e-05
1928	68	-0.12	1.11	-0.69	0.0	-5.05e-05	1.15e-05
1928	76	-0.17	0.04	-0.79	0.0	-6.62e-05	1.16e-05
1928	116	-8.28	1.03	-0.45	0.0	-1.29e-03	-1.75e-04
1928	139	-1.07	7.89	-0.41	0.0	-1.70e-04	7.90e-05
1928	140	-3.62	-6.11	-0.47	0.0	-5.90e-04	-1.33e-04
1928	148	-9.30	1.12	-0.46	0.0	-1.45e-03	-1.98e-04
1928	171	-1.18	8.90	-0.41	0.0	-1.85e-04	8.86e-05
1928	172	-4.07	-6.94	-0.47	0.0	-6.60e-04	-1.51e-04
1928	180	-9.20	1.01	-0.46	0.0	-1.43e-03	-1.96e-04
1928	203	-1.12	9.09	-0.41	0.0	-1.74e-04	9.00e-05
1928	204	-4.06	-7.16	-0.47	0.0	-6.59e-04	-1.50e-04
1928	212	-10.75	1.08	-0.46	0.0	-1.67e-03	-2.33e-04
1928	235	-1.26	10.76	-0.40	0.0	-1.92e-04	1.05e-04
1928	236	-4.75	-8.56	-0.48	0.0	-7.69e-04	-1.78e-04
1928	264	-0.56	0.14	-0.49	0.0	-1.08e-04	1.90e-05
1928	276	-0.09	0.75	-0.48	0.0	-3.54e-05	8.02e-06
1928	280	-0.12	0.04	-0.55	0.0	-4.59e-05	8.06e-06
1928	298	-0.09	0.17	-0.46	0.0	-3.75e-05	6.75e-06
1928	305	-0.18	0.15	-0.44	0.0	-4.94e-05	8.72e-06
1928	307	-0.09	0.27	-0.44	0.0	-3.48e-05	6.52e-06
1928	310	-0.09	0.16	-0.44	0.0	-3.55e-05	6.34e-06
1929	44	-0.92	0.28	-0.73	0.0	-1.60e-04	2.91e-05
1929	68	-0.15	1.26	-0.72	0.0	-5.11e-05	1.24e-05
1929	76	-0.20	0.13	-0.83	0.0	-6.68e-05	1.22e-05
1929	116	-8.90	1.15	-0.48	0.0	-1.21e-03	-1.93e-04
1929	139	-1.15	8.64	-0.43	0.0	-1.58e-04	8.63e-05
1929	140	-3.91	-6.62	-0.49	0.0	-5.58e-04	-1.47e-04
1929	148	-9.99	1.25	-0.48	0.0	-1.36e-03	-2.18e-04
1929	171	-1.27	9.74	-0.43	0.0	-1.72e-04	9.68e-05
1929	172	-4.38	-7.53	-0.50	0.0	-6.24e-04	-1.66e-04
1929	180	-9.88	1.13	-0.48	0.0	-1.35e-03	-2.17e-04
1929	203	-1.20	9.94	-0.43	0.0	-1.61e-04	9.84e-05
1929	204	-4.37	-7.76	-0.50	0.0	-6.23e-04	-1.66e-04
1929	212	-11.55	1.21	-0.48	0.0	-1.57e-03	-2.58e-04
1929	235	-1.35	11.77	-0.42	0.0	-1.78e-04	1.15e-04
1929	236	-5.12	-9.29	-0.50	0.0	-7.27e-04	-1.97e-04
1929	264	-0.62	0.20	-0.51	0.0	-1.09e-04	1.97e-05
1929	276	-0.11	0.85	-0.50	0.0	-3.58e-05	8.63e-06
1929	280	-0.14	0.10	-0.58	0.0	-4.63e-05	8.48e-06
1929	298	-0.11	0.23	-0.48	0.0	-3.78e-05	7.12e-06
1929	305	-0.21	0.20	-0.46	0.0	-4.97e-05	9.13e-06
1929	307	-0.11	0.33	-0.46	0.0	-3.51e-05	6.91e-06
1929	310	-0.11	0.21	-0.46	0.0	-3.59e-05	6.68e-06
1930	44	-0.85	0.19	-0.72	0.0	-1.61e-04	2.59e-05
1930	68	-0.13	1.10	-0.72	0.0	-5.18e-05	1.17e-05
1930	76	-0.17	0.04	-0.82	0.0	-6.72e-05	1.17e-05
1930	116	-8.18	1.02	-0.45	0.0	-1.28e-03	-2.27e-04
1930	138	0.91	-7.58	-0.47	0.0	1.05e-04	-5.93e-05
1930	139	-1.10	7.89	-0.44	0.0	-1.77e-04	7.21e-05
1930	148	-9.19	1.11	-0.45	0.0	-1.43e-03	-2.56e-04
1930	170	1.03	-8.59	-0.48	0.0	1.21e-04	-6.81e-05
1930	171	-1.22	8.90	-0.43	0.0	-1.93e-04	8.08e-05
1930	180	-9.09	1.00	-0.45	0.0	-1.42e-03	-2.55e-04
1930	202	0.97	-8.78	-0.48	0.0	1.11e-04	-6.96e-05

1930	203	-1.16	9.09	-0.43	0.0	-1.83e-04	8.23e-05
1930	212	-10.62	1.08	-0.45	0.0	-1.65e-03	-3.03e-04
1930	234	1.12	-10.45	-0.48	0.0	1.30e-04	-8.39e-05
1930	235	-1.31	10.76	-0.43	0.0	-2.03e-04	9.66e-05
1930	264	-0.57	0.14	-0.50	0.0	-1.09e-04	1.76e-05
1930	276	-0.09	0.74	-0.50	0.0	-3.63e-05	8.17e-06
1930	280	-0.12	0.03	-0.57	0.0	-4.66e-05	8.14e-06
1930	298	-0.10	0.16	-0.48	0.0	-3.81e-05	6.77e-06
1930	305	-0.19	0.15	-0.46	0.0	-5.01e-05	8.44e-06
1930	307	-0.09	0.27	-0.45	0.0	-3.54e-05	6.55e-06
1930	310	-0.09	0.15	-0.46	0.0	-3.61e-05	6.36e-06
1931	44	-0.93	0.27	-0.76	0.0	-1.61e-04	2.71e-05
1931	68	-0.16	1.25	-0.75	0.0	-5.21e-05	1.25e-05
1931	76	-0.21	0.12	-0.86	0.0	-6.74e-05	1.22e-05
1931	116	-8.79	1.15	-0.47	0.0	-1.19e-03	-2.42e-04
1931	138	0.96	-8.22	-0.50	0.0	9.29e-05	-6.56e-05
1931	139	-1.19	8.64	-0.46	0.0	-1.65e-04	7.89e-05
1931	148	-9.87	1.24	-0.47	0.0	-1.34e-03	-2.73e-04
1931	170	1.09	-9.32	-0.50	0.0	1.07e-04	-7.52e-05
1931	171	-1.31	9.74	-0.45	0.0	-1.80e-04	8.85e-05
1931	180	-9.76	1.12	-0.47	0.0	-1.32e-03	-2.72e-04
1931	202	1.02	-9.53	-0.50	0.0	9.76e-05	-7.69e-05
1931	203	-1.24	9.94	-0.45	0.0	-1.70e-04	9.02e-05
1931	212	-11.40	1.20	-0.47	0.0	-1.54e-03	-3.23e-04
1931	234	1.18	-11.35	-0.50	0.0	1.16e-04	-9.27e-05
1931	235	-1.40	11.76	-0.45	0.0	-1.88e-04	1.06e-04
1931	264	-0.63	0.19	-0.53	0.0	-1.09e-04	1.84e-05
1931	276	-0.11	0.84	-0.53	0.0	-3.65e-05	8.66e-06
1931	280	-0.14	0.09	-0.60	0.0	-4.67e-05	8.52e-06
1931	298	-0.12	0.22	-0.50	0.0	-3.82e-05	7.11e-06
1931	305	-0.21	0.20	-0.48	0.0	-5.01e-05	8.85e-06
1931	307	-0.11	0.33	-0.48	0.0	-3.56e-05	6.89e-06
1931	310	-0.11	0.21	-0.48	0.0	-3.62e-05	6.67e-06
1932	4	0.04	0.30	-0.84	0.0	-3.49e-05	1.03e-05
1932	44	-0.87	0.19	-0.74	0.0	-1.63e-04	2.65e-05
1932	68	-0.14	1.09	-0.74	0.0	-5.27e-05	1.39e-05
1932	116	-8.06	1.02	-0.46	0.0	-1.26e-03	-2.66e-04
1932	118	6.91	-4.39	-0.48	0.0	1.04e-03	1.69e-04
1932	139	-1.13	7.89	-0.46	0.0	-1.83e-04	6.66e-05
1932	148	-9.04	1.11	-0.46	0.0	-1.41e-03	-3.01e-04
1932	150	7.78	-4.97	-0.48	0.0	1.17e-03	1.89e-04
1932	171	-1.25	8.89	-0.45	0.0	-2.00e-04	7.46e-05
1932	180	-8.94	1.00	-0.46	0.0	-1.40e-03	-3.00e-04
1932	182	7.65	-4.98	-0.48	0.0	1.15e-03	1.85e-04
1932	203	-1.19	9.08	-0.45	0.0	-1.90e-04	7.63e-05
1932	212	-10.44	1.07	-0.45	0.0	-1.63e-03	-3.55e-04
1932	214	8.94	-5.89	-0.48	0.0	1.34e-03	2.15e-04
1932	235	-1.35	10.75	-0.45	0.0	-2.11e-04	8.96e-05
1932	244	0.02	0.21	-0.59	0.0	-2.51e-05	7.26e-06
1932	264	-0.58	0.13	-0.52	0.0	-1.10e-04	1.81e-05
1932	276	-0.10	0.74	-0.52	0.0	-3.70e-05	9.69e-06
1932	298	-0.10	0.16	-0.49	0.0	-3.86e-05	8.03e-06
1932	305	-0.19	0.14	-0.47	0.0	-5.06e-05	9.45e-06
1932	307	-0.10	0.26	-0.47	0.0	-3.59e-05	7.77e-06
1932	310	-0.10	0.15	-0.47	0.0	-3.66e-05	7.57e-06
1933	4	0.02	0.40	-0.88	0.0	-3.47e-05	1.01e-05
1933	44	-0.95	0.27	-0.77	0.0	-1.63e-04	2.72e-05
1933	68	-0.16	1.24	-0.77	0.0	-5.25e-05	1.40e-05
1933	116	-8.66	1.14	-0.48	0.0	-1.18e-03	-2.80e-04
1933	118	7.40	-4.75	-0.50	0.0	9.61e-04	1.74e-04
1933	139	-1.22	8.63	-0.48	0.0	-1.71e-04	7.27e-05
1933	148	-9.72	1.24	-0.48	0.0	-1.32e-03	-3.16e-04
1933	150	8.33	-5.37	-0.50	0.0	1.08e-03	1.95e-04
1933	171	-1.34	9.73	-0.48	0.0	-1.86e-04	8.15e-05
1933	180	-9.61	1.12	-0.48	0.0	-1.31e-03	-3.15e-04
1933	182	8.19	-5.39	-0.50	0.0	1.06e-03	1.91e-04
1933	203	-1.28	9.94	-0.48	0.0	-1.77e-04	8.34e-05
1933	212	-11.22	1.20	-0.48	0.0	-1.52e-03	-3.73e-04
1933	214	9.57	-6.38	-0.51	0.0	1.25e-03	2.22e-04
1933	235	-1.45	11.76	-0.47	0.0	-1.96e-04	9.80e-05
1933	244	8.38e-03	0.28	-0.61	0.0	-2.49e-05	7.12e-06
1933	264	-0.64	0.19	-0.54	0.0	-1.10e-04	1.85e-05
1933	276	-0.12	0.84	-0.54	0.0	-3.68e-05	9.76e-06
1933	298	-0.12	0.21	-0.51	0.0	-3.84e-05	8.05e-06
1933	305	-0.22	0.19	-0.49	0.0	-5.04e-05	9.55e-06

1933	307	-0.11	0.32	-0.49	0.0	-3.58e-05	7.79e-06
1933	310	-0.12	0.20	-0.49	0.0	-3.64e-05	7.57e-06
1934	4	0.03	0.29	-0.85	0.0	-3.50e-05	1.52e-05
1934	44	-0.88	0.18	-0.74	0.0	-1.64e-04	2.98e-05
1934	68	-0.15	1.08	-0.75	0.0	-5.31e-05	1.82e-05
1934	116	-7.91	1.01	-0.45	0.0	-1.25e-03	-2.96e-04
1934	121	7.20	1.91	-0.49	0.0	1.10e-03	1.01e-04
1934	139	-1.15	7.88	-0.47	0.0	-1.88e-04	6.31e-05
1934	148	-8.88	1.11	-0.45	0.0	-1.40e-03	-3.34e-04
1934	153	8.11	2.14	-0.49	0.0	1.24e-03	1.13e-04
1934	171	-1.27	8.89	-0.47	0.0	-2.05e-04	7.03e-05
1934	180	-8.78	1.00	-0.45	0.0	-1.38e-03	-3.34e-04
1934	185	8.01	2.20	-0.49	0.0	1.22e-03	1.14e-04
1934	203	-1.22	9.08	-0.47	0.0	-1.96e-04	7.23e-05
1934	212	-10.25	1.07	-0.44	0.0	-1.61e-03	-3.95e-04
1934	217	9.35	2.62	-0.50	0.0	1.43e-03	1.34e-04
1934	235	-1.38	10.75	-0.47	0.0	-2.18e-04	8.46e-05
1934	244	0.02	0.20	-0.59	0.0	-2.51e-05	1.07e-05
1934	264	-0.59	0.13	-0.52	0.0	-1.11e-04	2.04e-05
1934	276	-0.10	0.73	-0.52	0.0	-3.72e-05	1.27e-05
1934	298	-0.11	0.15	-0.49	0.0	-3.88e-05	1.06e-05
1934	305	-0.20	0.14	-0.47	0.0	-5.09e-05	1.18e-05
1934	307	-0.10	0.26	-0.47	0.0	-3.61e-05	1.02e-05
1934	310	-0.10	0.15	-0.47	0.0	-3.67e-05	1.00e-05
1935	4	0.01	0.38	-0.89	0.0	-3.36e-05	1.40e-05
1935	44	-0.97	0.25	-0.78	0.0	-1.62e-04	2.96e-05
1935	68	-0.17	1.23	-0.79	0.0	-5.18e-05	1.74e-05
1935	116	-8.51	1.13	-0.47	0.0	-1.17e-03	-3.07e-04
1935	121	7.73	2.12	-0.52	0.0	1.04e-03	1.09e-04
1935	139	-1.24	8.63	-0.49	0.0	-1.75e-04	6.89e-05
1935	148	-9.55	1.23	-0.47	0.0	-1.31e-03	-3.47e-04
1935	153	8.71	2.37	-0.52	0.0	1.17e-03	1.22e-04
1935	171	-1.37	9.73	-0.49	0.0	-1.91e-04	7.69e-05
1935	180	-9.44	1.11	-0.47	0.0	-1.29e-03	-3.46e-04
1935	185	8.60	2.44	-0.52	0.0	1.15e-03	1.23e-04
1935	203	-1.31	9.93	-0.49	0.0	-1.82e-04	7.89e-05
1935	209	10.78	-0.80	-0.52	0.0	1.44e-03	4.29e-04
1935	212	-11.02	1.19	-0.46	0.0	-1.51e-03	-4.10e-04
1935	235	-1.49	11.76	-0.49	0.0	-2.02e-04	9.26e-05
1935	244	3.69e-03	0.27	-0.62	0.0	-2.42e-05	9.87e-06
1935	264	-0.65	0.18	-0.55	0.0	-1.10e-04	2.02e-05
1935	276	-0.12	0.83	-0.55	0.0	-3.63e-05	1.21e-05
1935	298	-0.13	0.21	-0.52	0.0	-3.79e-05	1.01e-05
1935	305	-0.22	0.19	-0.49	0.0	-5.01e-05	1.14e-05
1935	307	-0.12	0.31	-0.49	0.0	-3.53e-05	9.74e-06
1935	310	-0.12	0.19	-0.49	0.0	-3.60e-05	9.51e-06
1936	44	-0.90	0.17	-0.75	0.0	-1.64e-04	3.49e-05
1936	52	-0.19	0.77	-0.86	0.0	-6.39e-05	2.64e-05
1936	68	-0.16	1.07	-0.76	0.0	-5.30e-05	2.39e-05
1936	116	-7.75	1.01	-0.44	0.0	-1.23e-03	-3.21e-04
1936	125	6.95	2.43	-0.51	0.0	1.07e-03	8.23e-05
1936	139	-1.17	7.87	-0.48	0.0	-1.92e-04	6.11e-05
1936	148	-8.70	1.10	-0.43	0.0	-1.38e-03	-3.63e-04
1936	157	7.83	2.73	-0.52	0.0	1.20e-03	9.10e-05
1936	171	-1.30	8.88	-0.48	0.0	-2.10e-04	6.77e-05
1936	180	-8.59	0.99	-0.43	0.0	-1.36e-03	-3.62e-04
1936	189	7.71	2.79	-0.52	0.0	1.18e-03	9.03e-05
1936	203	-1.24	9.07	-0.48	0.0	-2.01e-04	6.99e-05
1936	212	-10.03	1.06	-0.42	0.0	-1.59e-03	-4.29e-04
1936	217	9.28	2.61	-0.53	0.0	1.43e-03	1.65e-04
1936	235	-1.41	10.74	-0.48	0.0	-2.25e-04	8.14e-05
1936	264	-0.61	0.12	-0.52	0.0	-1.11e-04	2.40e-05
1936	268	-0.13	0.52	-0.60	0.0	-4.44e-05	1.84e-05
1936	276	-0.11	0.72	-0.53	0.0	-3.71e-05	1.66e-05
1936	298	-0.11	0.15	-0.50	0.0	-3.86e-05	1.40e-05
1936	305	-0.21	0.13	-0.47	0.0	-5.09e-05	1.50e-05
1936	307	-0.11	0.25	-0.47	0.0	-3.60e-05	1.35e-05
1936	310	-0.11	0.14	-0.47	0.0	-3.66e-05	1.33e-05
1937	44	-0.98	0.24	-0.78	0.0	-1.61e-04	3.40e-05
1937	52	-0.22	0.90	-0.90	0.0	-6.04e-05	2.46e-05
1937	68	-0.18	1.21	-0.79	0.0	-4.97e-05	2.22e-05
1937	116	-8.34	1.12	-0.46	0.0	-1.17e-03	-3.27e-04
1937	125	7.46	2.68	-0.54	0.0	1.02e-03	7.18e-05
1937	139	-1.26	8.62	-0.50	0.0	-1.80e-04	6.73e-05
1937	148	-9.36	1.22	-0.45	0.0	-1.31e-03	-3.70e-04

1937	157	8.41	3.01	-0.54	0.0	1.15e-03	7.93e-05
1937	171	-1.40	9.72	-0.50	0.0	-1.97e-04	7.48e-05
1937	180	-9.25	1.10	-0.45	0.0	-1.29e-03	-3.69e-04
1937	189	8.28	3.08	-0.54	0.0	1.13e-03	7.84e-05
1937	203	-1.34	9.93	-0.50	0.0	-1.87e-04	7.70e-05
1937	212	-10.79	1.18	-0.44	0.0	-1.50e-03	-4.37e-04
1937	217	9.97	2.89	-0.55	0.0	1.37e-03	1.55e-04
1937	235	-1.52	11.75	-0.51	0.0	-2.09e-04	9.00e-05
1937	264	-0.66	0.17	-0.55	0.0	-1.09e-04	2.33e-05
1937	268	-0.15	0.61	-0.63	0.0	-4.19e-05	1.71e-05
1937	276	-0.13	0.82	-0.56	0.0	-3.49e-05	1.55e-05
1937	298	-0.13	0.19	-0.52	0.0	-3.67e-05	1.30e-05
1937	305	-0.23	0.18	-0.49	0.0	-4.90e-05	1.41e-05
1937	307	-0.12	0.31	-0.50	0.0	-3.42e-05	1.25e-05
1937	310	-0.13	0.18	-0.50	0.0	-3.48e-05	1.23e-05
1938	44	-0.93	0.16	-0.75	0.0	-1.65e-04	3.98e-05
1938	52	-0.21	0.76	-0.88	0.0	-6.33e-05	3.21e-05
1938	68	-0.18	1.06	-0.77	0.0	-5.24e-05	2.90e-05
1938	116	-7.58	1.00	-0.41	0.0	-1.22e-03	-3.39e-04
1938	125	6.90	2.42	-0.55	0.0	1.07e-03	1.07e-04
1938	139	-1.19	7.87	-0.50	0.0	-1.97e-04	6.03e-05
1938	148	-8.50	1.09	-0.40	0.0	-1.37e-03	-3.84e-04
1938	157	7.77	2.72	-0.56	0.0	1.21e-03	1.18e-04
1938	171	-1.32	8.88	-0.50	0.0	-2.16e-04	6.65e-05
1938	180	-8.39	0.98	-0.40	0.0	-1.35e-03	-3.83e-04
1938	189	7.66	2.79	-0.56	0.0	1.19e-03	1.17e-04
1938	203	-1.27	9.07	-0.51	0.0	-2.07e-04	6.89e-05
1938	212	-9.79	1.06	-0.39	0.0	-1.57e-03	-4.54e-04
1938	221	8.93	3.29	-0.57	0.0	1.39e-03	1.35e-04
1938	235	-1.44	10.74	-0.51	0.0	-2.32e-04	7.99e-05
1938	264	-0.62	0.11	-0.53	0.0	-1.11e-04	2.74e-05
1938	268	-0.14	0.51	-0.61	0.0	-4.40e-05	2.23e-05
1938	276	-0.12	0.71	-0.54	0.0	-3.67e-05	2.02e-05
1938	298	-0.12	0.14	-0.50	0.0	-3.82e-05	1.70e-05
1938	305	-0.22	0.13	-0.48	0.0	-5.06e-05	1.79e-05
1938	307	-0.12	0.25	-0.48	0.0	-3.56e-05	1.64e-05
1938	310	-0.12	0.13	-0.48	0.0	-3.62e-05	1.62e-05
1939	44	-1.01	0.22	-0.79	0.0	-1.59e-04	3.89e-05
1939	52	-0.24	0.87	-0.91	0.0	-5.65e-05	3.01e-05
1939	68	-0.20	1.19	-0.81	0.0	-4.63e-05	2.72e-05
1939	116	-8.17	1.11	-0.43	0.0	-1.17e-03	-3.40e-04
1939	125	7.42	2.67	-0.58	0.0	1.04e-03	8.96e-05
1939	139	-1.29	8.62	-0.52	0.0	-1.85e-04	6.76e-05
1939	148	-9.16	1.21	-0.42	0.0	-1.31e-03	-3.84e-04
1939	157	8.36	3.00	-0.59	0.0	1.17e-03	9.90e-05
1939	171	-1.42	9.72	-0.53	0.0	-2.03e-04	7.48e-05
1939	180	-9.05	1.09	-0.42	0.0	-1.30e-03	-3.83e-04
1939	189	8.24	3.07	-0.59	0.0	1.16e-03	9.82e-05
1939	203	-1.37	9.92	-0.53	0.0	-1.94e-04	7.72e-05
1939	212	-10.56	1.17	-0.40	0.0	-1.51e-03	-4.54e-04
1939	221	9.61	3.62	-0.60	0.0	1.35e-03	1.13e-04
1939	235	-1.55	11.75	-0.54	0.0	-2.18e-04	8.98e-05
1939	264	-0.68	0.15	-0.55	0.0	-1.07e-04	2.68e-05
1939	268	-0.17	0.59	-0.64	0.0	-3.93e-05	2.09e-05
1939	276	-0.14	0.80	-0.57	0.0	-3.24e-05	1.90e-05
1939	298	-0.14	0.18	-0.52	0.0	-3.46e-05	1.60e-05
1939	305	-0.24	0.16	-0.50	0.0	-4.71e-05	1.70e-05
1939	307	-0.13	0.29	-0.50	0.0	-3.21e-05	1.54e-05
1939	310	-0.13	0.17	-0.50	0.0	-3.27e-05	1.51e-05
1940	44	-0.95	0.15	-0.76	0.0	-1.65e-04	4.02e-05
1940	52	-0.23	0.75	-0.90	0.0	-6.29e-05	3.23e-05
1940	68	-0.19	1.05	-0.80	0.0	-5.20e-05	2.92e-05
1940	116	-7.40	1.00	-0.37	0.0	-1.21e-03	-3.38e-04
1940	125	6.84	2.42	-0.62	0.0	1.09e-03	1.08e-04
1940	139	-1.21	7.86	-0.54	0.0	-2.02e-04	6.03e-05
1940	148	-8.29	1.09	-0.35	0.0	-1.36e-03	-3.83e-04
1940	157	7.71	2.72	-0.64	0.0	1.23e-03	1.19e-04
1940	171	-1.34	8.87	-0.55	0.0	-2.21e-04	6.65e-05
1940	180	-8.19	0.98	-0.35	0.0	-1.34e-03	-3.82e-04
1940	189	7.59	2.78	-0.64	0.0	1.21e-03	1.18e-04
1940	203	-1.29	9.06	-0.55	0.0	-2.13e-04	6.89e-05
1940	212	-9.55	1.05	-0.33	0.0	-1.56e-03	-4.52e-04
1940	221	8.85	3.28	-0.67	0.0	1.41e-03	1.35e-04
1940	235	-1.46	10.73	-0.57	0.0	-2.39e-04	7.99e-05
1940	264	-0.64	0.11	-0.54	0.0	-1.12e-04	2.77e-05

1940	268	-0.16	0.50	-0.63	0.0	-4.37e-05	2.24e-05
1940	276	-0.14	0.71	-0.56	0.0	-3.65e-05	2.04e-05
1940	298	-0.13	0.13	-0.51	0.0	-3.80e-05	1.72e-05
1940	305	-0.23	0.12	-0.48	0.0	-5.05e-05	1.80e-05
1940	307	-0.13	0.24	-0.49	0.0	-3.54e-05	1.66e-05
1940	310	-0.13	0.13	-0.49	0.0	-3.60e-05	1.63e-05
1941	44	-1.03	0.20	-0.80	0.0	-1.56e-04	4.06e-05
1941	52	-0.26	0.85	-0.94	0.0	-5.21e-05	3.17e-05
1941	68	-0.22	1.17	-0.84	0.0	-4.23e-05	2.87e-05
1941	116	-7.99	1.10	-0.38	0.0	-1.18e-03	-3.38e-04
1941	125	7.38	2.66	-0.65	0.0	1.07e-03	9.03e-05
1941	139	-1.30	8.61	-0.57	0.0	-1.90e-04	6.88e-05
1941	148	-8.96	1.20	-0.37	0.0	-1.33e-03	-3.82e-04
1941	157	8.31	2.99	-0.67	0.0	1.21e-03	9.97e-05
1941	171	-1.44	9.71	-0.58	0.0	-2.09e-04	7.60e-05
1941	180	-8.85	1.08	-0.37	0.0	-1.31e-03	-3.81e-04
1941	189	8.19	3.06	-0.67	0.0	1.19e-03	9.89e-05
1941	203	-1.39	9.92	-0.58	0.0	-2.00e-04	7.85e-05
1941	212	-10.31	1.16	-0.34	0.0	-1.52e-03	-4.52e-04
1941	221	9.55	3.61	-0.70	0.0	1.39e-03	1.13e-04
1941	235	-1.58	11.74	-0.59	0.0	-2.26e-04	9.11e-05
1941	264	-0.69	0.14	-0.56	0.0	-1.05e-04	2.79e-05
1941	268	-0.18	0.57	-0.66	0.0	-3.62e-05	2.20e-05
1941	276	-0.15	0.79	-0.59	0.0	-2.97e-05	2.00e-05
1941	298	-0.15	0.17	-0.53	0.0	-3.22e-05	1.68e-05
1941	305	-0.25	0.15	-0.51	0.0	-4.50e-05	1.78e-05
1941	307	-0.14	0.28	-0.51	0.0	-2.98e-05	1.62e-05
1941	310	-0.14	0.16	-0.51	0.0	-3.04e-05	1.60e-05
1942	44	-0.95	0.40	-0.52	0.0	-1.67e-04	1.83e-05
1942	68	-0.15	1.44	-0.49	0.0	-5.18e-05	1.02e-05
1942	76	-0.21	0.25	-0.59	0.0	-6.98e-05	7.81e-06
1942	116	-9.77	1.29	-0.42	0.0	-1.41e-03	-3.20e-04
1942	139	-1.08	9.39	-0.16	0.0	-1.49e-04	9.26e-05
1942	140	-4.40	-7.10	-0.53	0.0	-6.64e-04	-2.20e-04
1942	148	-10.97	1.40	-0.43	0.0	-1.58e-03	-3.61e-04
1942	171	-1.19	10.58	-0.14	0.0	-1.61e-04	1.04e-04
1942	172	-4.94	-8.08	-0.56	0.0	-7.44e-04	-2.48e-04
1942	180	-10.87	1.27	-0.44	0.0	-1.56e-03	-3.61e-04
1942	203	-1.11	10.81	-0.13	0.0	-1.48e-04	1.08e-04
1942	204	-4.93	-8.34	-0.56	0.0	-7.45e-04	-2.49e-04
1942	212	-12.71	1.36	-0.46	0.0	-1.82e-03	-4.28e-04
1942	235	-1.24	12.77	-0.09	0.0	-1.60e-04	1.28e-04
1942	236	-5.78	-9.99	-0.61	0.0	-8.70e-04	-2.96e-04
1942	264	-0.64	0.28	-0.37	0.0	-1.13e-04	1.25e-05
1942	276	-0.11	0.98	-0.34	0.0	-3.64e-05	7.13e-06
1942	280	-0.15	0.18	-0.42	0.0	-4.84e-05	5.52e-06
1942	298	-0.12	0.31	-0.35	0.0	-3.94e-05	4.95e-06
1942	305	-0.22	0.28	-0.33	0.0	-5.19e-05	6.11e-06
1942	307	-0.11	0.42	-0.33	0.0	-3.65e-05	5.03e-06
1942	310	-0.11	0.29	-0.33	0.0	-3.75e-05	4.65e-06
1943	44	-1.03	0.52	-0.58	0.0	-1.24e-04	3.18e-05
1943	68	-0.18	1.62	-0.54	0.0	-6.58e-05	1.59e-05
1943	76	-0.25	0.38	-0.66	0.0	-8.44e-05	1.46e-05
1943	116	-10.42	1.44	-0.46	0.0	-8.05e-04	-2.49e-04
1943	139	-1.15	10.14	-0.19	0.0	-8.57e-05	1.08e-04
1943	140	-4.70	-7.57	-0.57	0.0	-4.13e-04	-1.90e-04
1943	148	-11.69	1.55	-0.47	0.0	-8.99e-04	-2.81e-04
1943	171	-1.27	11.42	-0.16	0.0	-8.94e-05	1.21e-04
1943	172	-5.28	-8.62	-0.60	0.0	-4.59e-04	-2.15e-04
1943	180	-11.59	1.41	-0.47	0.0	-8.91e-04	-2.81e-04
1943	203	-1.18	11.66	-0.16	0.0	-8.11e-05	1.24e-04
1943	204	-5.28	-8.90	-0.61	0.0	-4.61e-04	-2.16e-04
1943	212	-13.55	1.50	-0.49	0.0	-1.04e-03	-3.34e-04
1943	235	-1.32	13.77	-0.12	0.0	-8.29e-05	1.46e-04
1943	236	-6.18	-10.67	-0.65	0.0	-5.35e-04	-2.56e-04
1943	264	-0.69	0.36	-0.41	0.0	-8.51e-05	2.16e-05
1943	276	-0.13	1.10	-0.38	0.0	-4.64e-05	1.10e-05
1943	280	-0.17	0.27	-0.46	0.0	-5.88e-05	1.01e-05
1943	298	-0.14	0.39	-0.38	0.0	-4.71e-05	8.61e-06
1943	305	-0.24	0.36	-0.37	0.0	-5.18e-05	1.06e-05
1943	307	-0.13	0.50	-0.36	0.0	-4.41e-05	8.46e-06
1943	310	-0.13	0.36	-0.37	0.0	-4.51e-05	8.07e-06
1944	44	-0.96	0.40	-0.65	0.0	-1.64e-04	2.77e-05
1944	68	-0.16	1.44	-0.63	0.0	-5.13e-05	1.27e-05
1944	76	-0.22	0.25	-0.74	0.0	-6.85e-05	1.15e-05

1944	116	-9.64	1.29	-0.46	0.0	-1.30e-03	-2.22e-04
1944	139	-1.13	9.39	-0.32	0.0	-1.47e-04	9.91e-05
1944	140	-4.31	-7.10	-0.52	0.0	-6.13e-04	-1.71e-04
1944	148	-10.83	1.40	-0.47	0.0	-1.46e-03	-2.50e-04
1944	171	-1.24	10.58	-0.30	0.0	-1.58e-04	1.11e-04
1944	172	-4.84	-8.08	-0.53	0.0	-6.86e-04	-1.94e-04
1944	180	-10.72	1.27	-0.47	0.0	-1.45e-03	-2.50e-04
1944	203	-1.17	10.80	-0.30	0.0	-1.47e-04	1.14e-04
1944	204	-4.83	-8.34	-0.54	0.0	-6.86e-04	-1.94e-04
1944	212	-12.53	1.35	-0.48	0.0	-1.69e-03	-2.97e-04
1944	235	-1.31	12.77	-0.28	0.0	-1.60e-04	1.34e-04
1944	236	-5.65	-9.99	-0.56	0.0	-8.01e-04	-2.31e-04
1944	264	-0.65	0.28	-0.45	0.0	-1.11e-04	1.88e-05
1944	276	-0.11	0.97	-0.44	0.0	-3.60e-05	8.86e-06
1944	280	-0.15	0.18	-0.52	0.0	-4.75e-05	8.05e-06
1944	298	-0.12	0.30	-0.43	0.0	-3.87e-05	6.92e-06
1944	305	-0.22	0.28	-0.41	0.0	-5.10e-05	8.81e-06
1944	307	-0.11	0.42	-0.41	0.0	-3.59e-05	6.82e-06
1944	310	-0.12	0.29	-0.41	0.0	-3.67e-05	6.50e-06
1945	44	-1.05	0.52	-0.73	0.0	-1.31e-04	3.06e-05
1945	68	-0.19	1.62	-0.70	0.0	-7.25e-05	1.51e-05
1945	76	-0.25	0.38	-0.83	0.0	-9.21e-05	1.37e-05
1945	116	-10.29	1.44	-0.51	0.0	-9.18e-04	-2.57e-04
1945	139	-1.20	10.14	-0.36	0.0	-1.09e-04	1.05e-04
1945	140	-4.61	-7.57	-0.57	0.0	-4.60e-04	-1.92e-04
1945	148	-11.55	1.55	-0.52	0.0	-1.03e-03	-2.90e-04
1945	171	-1.32	11.42	-0.35	0.0	-1.14e-04	1.17e-04
1945	172	-5.17	-8.62	-0.59	0.0	-5.12e-04	-2.18e-04
1945	180	-11.44	1.41	-0.52	0.0	-1.02e-03	-2.90e-04
1945	203	-1.24	11.66	-0.34	0.0	-1.06e-04	1.20e-04
1945	204	-5.17	-8.90	-0.59	0.0	-5.13e-04	-2.18e-04
1945	212	-13.37	1.50	-0.53	0.0	-1.18e-03	-3.45e-04
1945	235	-1.39	13.77	-0.32	0.0	-1.10e-04	1.41e-04
1945	236	-6.05	-10.67	-0.62	0.0	-5.95e-04	-2.59e-04
1945	264	-0.71	0.36	-0.51	0.0	-9.03e-05	2.08e-05
1945	276	-0.13	1.10	-0.49	0.0	-5.10e-05	1.05e-05
1945	280	-0.18	0.27	-0.58	0.0	-6.41e-05	9.56e-06
1945	298	-0.14	0.39	-0.48	0.0	-5.13e-05	8.12e-06
1945	305	-0.25	0.36	-0.46	0.0	-5.59e-05	1.00e-05
1945	307	-0.13	0.50	-0.46	0.0	-4.81e-05	7.98e-06
1945	310	-0.14	0.36	-0.46	0.0	-4.91e-05	7.60e-06
1946	44	-0.98	0.39	-0.73	0.0	-1.62e-04	3.01e-05
1946	68	-0.17	1.43	-0.72	0.0	-5.11e-05	1.33e-05
1946	76	-0.23	0.25	-0.83	0.0	-6.75e-05	1.25e-05
1946	116	-9.56	1.29	-0.49	0.0	-1.22e-03	-2.00e-04
1946	139	-1.18	9.39	-0.41	0.0	-1.47e-04	9.76e-05
1946	140	-4.24	-7.11	-0.52	0.0	-5.69e-04	-1.59e-04
1946	148	-10.74	1.40	-0.49	0.0	-1.37e-03	-2.26e-04
1946	171	-1.30	10.58	-0.40	0.0	-1.59e-04	1.10e-04
1946	172	-4.76	-8.08	-0.53	0.0	-6.36e-04	-1.80e-04
1946	180	-10.63	1.27	-0.49	0.0	-1.35e-03	-2.25e-04
1946	203	-1.22	10.80	-0.40	0.0	-1.48e-04	1.12e-04
1946	204	-4.75	-8.34	-0.53	0.0	-6.36e-04	-1.79e-04
1946	212	-12.42	1.35	-0.50	0.0	-1.58e-03	-2.68e-04
1946	235	-1.38	12.77	-0.39	0.0	-1.62e-04	1.31e-04
1946	236	-5.56	-9.99	-0.54	0.0	-7.42e-04	-2.13e-04
1946	264	-0.66	0.28	-0.51	0.0	-1.10e-04	2.05e-05
1946	276	-0.12	0.97	-0.50	0.0	-3.59e-05	9.21e-06
1946	280	-0.16	0.18	-0.58	0.0	-4.68e-05	8.70e-06
1946	298	-0.13	0.30	-0.48	0.0	-3.81e-05	7.39e-06
1946	305	-0.23	0.28	-0.46	0.0	-5.02e-05	9.47e-06
1946	307	-0.12	0.41	-0.46	0.0	-3.54e-05	7.22e-06
1946	310	-0.12	0.28	-0.46	0.0	-3.62e-05	6.93e-06
1947	44	-1.06	0.52	-0.82	0.0	-1.35e-04	2.91e-05
1947	68	-0.19	1.62	-0.80	0.0	-7.64e-05	1.41e-05
1947	76	-0.26	0.38	-0.93	0.0	-9.62e-05	1.27e-05
1947	116	-10.16	1.44	-0.54	0.0	-9.60e-04	-2.66e-04
1947	139	-1.25	10.15	-0.46	0.0	-1.23e-04	1.01e-04
1947	140	-4.52	-7.57	-0.58	0.0	-4.73e-04	-1.95e-04
1947	148	-11.40	1.55	-0.55	0.0	-1.07e-03	-3.00e-04
1947	171	-1.37	11.42	-0.45	0.0	-1.31e-04	1.14e-04
1947	172	-5.07	-8.63	-0.59	0.0	-5.27e-04	-2.20e-04
1947	180	-11.29	1.41	-0.55	0.0	-1.06e-03	-3.00e-04
1947	203	-1.30	11.66	-0.45	0.0	-1.22e-04	1.16e-04
1947	204	-5.06	-8.90	-0.59	0.0	-5.27e-04	-2.21e-04

1947	212	-13.19	1.50	-0.56	0.0	-1.23e-03	-3.56e-04
1947	235	-1.45	13.78	-0.44	0.0	-1.29e-04	1.37e-04
1947	236	-5.92	-10.68	-0.60	0.0	-6.11e-04	-2.62e-04
1947	264	-0.72	0.36	-0.57	0.0	-9.26e-05	1.98e-05
1947	276	-0.14	1.10	-0.56	0.0	-5.37e-05	9.76e-06
1947	280	-0.18	0.27	-0.65	0.0	-6.69e-05	8.83e-06
1947	298	-0.15	0.39	-0.54	0.0	-5.36e-05	7.52e-06
1947	305	-0.25	0.36	-0.52	0.0	-5.80e-05	9.40e-06
1947	307	-0.14	0.50	-0.51	0.0	-5.03e-05	7.40e-06
1947	310	-0.14	0.36	-0.52	0.0	-5.12e-05	7.03e-06
1948	44	-1.00	0.39	-0.78	0.0	-1.61e-04	2.91e-05
1948	68	-0.18	1.43	-0.77	0.0	-5.16e-05	1.29e-05
1948	76	-0.23	0.24	-0.89	0.0	-6.73e-05	1.23e-05
1948	116	-9.47	1.29	-0.51	0.0	-1.16e-03	-2.26e-04
1948	139	-1.22	9.39	-0.46	0.0	-1.50e-04	9.31e-05
1948	140	-4.17	-7.11	-0.53	0.0	-5.36e-04	-1.69e-04
1948	148	-10.63	1.39	-0.51	0.0	-1.30e-03	-2.55e-04
1948	171	-1.35	10.58	-0.46	0.0	-1.62e-04	1.05e-04
1948	172	-4.68	-8.09	-0.53	0.0	-5.99e-04	-1.91e-04
1948	180	-10.52	1.26	-0.51	0.0	-1.28e-03	-2.54e-04
1948	203	-1.28	10.80	-0.46	0.0	-1.52e-04	1.07e-04
1948	204	-4.67	-8.34	-0.53	0.0	-5.99e-04	-1.91e-04
1948	212	-12.29	1.35	-0.51	0.0	-1.50e-03	-3.02e-04
1948	235	-1.44	12.77	-0.45	0.0	-1.67e-04	1.25e-04
1948	236	-5.46	-10.00	-0.54	0.0	-6.97e-04	-2.26e-04
1948	264	-0.67	0.27	-0.54	0.0	-1.09e-04	1.98e-05
1948	276	-0.12	0.97	-0.54	0.0	-3.62e-05	8.99e-06
1948	280	-0.16	0.17	-0.62	0.0	-4.66e-05	8.55e-06
1948	298	-0.13	0.30	-0.51	0.0	-3.81e-05	7.22e-06
1948	305	-0.23	0.27	-0.49	0.0	-5.00e-05	9.20e-06
1948	307	-0.12	0.41	-0.49	0.0	-3.54e-05	7.04e-06
1948	310	-0.13	0.28	-0.49	0.0	-3.61e-05	6.76e-06
1949	44	-1.08	0.52	-0.87	0.0	-1.36e-04	2.83e-05
1949	68	-0.20	1.62	-0.86	0.0	-7.89e-05	1.36e-05
1949	76	-0.27	0.38	-1.00	0.0	-9.85e-05	1.23e-05
1949	116	-10.02	1.44	-0.57	0.0	-9.64e-04	-2.70e-04
1949	139	-1.29	10.15	-0.52	0.0	-1.33e-04	1.00e-04
1949	140	-4.43	-7.58	-0.59	0.0	-4.70e-04	-1.96e-04
1949	148	-11.25	1.55	-0.57	0.0	-1.08e-03	-3.05e-04
1949	171	-1.43	11.42	-0.51	0.0	-1.42e-04	1.13e-04
1949	172	-4.97	-8.63	-0.59	0.0	-5.23e-04	-2.22e-04
1949	180	-11.13	1.41	-0.57	0.0	-1.07e-03	-3.05e-04
1949	203	-1.35	11.66	-0.51	0.0	-1.33e-04	1.15e-04
1949	204	-4.96	-8.90	-0.59	0.0	-5.23e-04	-2.23e-04
1949	212	-13.01	1.50	-0.57	0.0	-1.24e-03	-3.62e-04
1949	235	-1.52	13.78	-0.51	0.0	-1.42e-04	1.36e-04
1949	236	-5.80	-10.68	-0.60	0.0	-6.06e-04	-2.64e-04
1949	264	-0.73	0.36	-0.61	0.0	-9.38e-05	1.92e-05
1949	276	-0.14	1.10	-0.60	0.0	-5.55e-05	9.41e-06
1949	280	-0.19	0.27	-0.69	0.0	-6.86e-05	8.54e-06
1949	298	-0.15	0.39	-0.58	0.0	-5.49e-05	7.26e-06
1949	305	-0.26	0.36	-0.55	0.0	-5.92e-05	9.11e-06
1949	307	-0.14	0.50	-0.55	0.0	-5.16e-05	7.14e-06
1949	310	-0.14	0.36	-0.55	0.0	-5.25e-05	6.79e-06
1950	44	-1.02	0.38	-0.81	0.0	-1.62e-04	2.77e-05
1950	68	-0.18	1.42	-0.80	0.0	-5.23e-05	1.28e-05
1950	76	-0.24	0.23	-0.92	0.0	-6.75e-05	1.23e-05
1950	116	-9.36	1.28	-0.50	0.0	-1.13e-03	-2.61e-04
1950	138	1.00	-8.84	-0.53	0.0	8.46e-05	-7.22e-05
1950	139	-1.26	9.39	-0.49	0.0	-1.57e-04	8.57e-05
1950	148	-10.50	1.39	-0.50	0.0	-1.27e-03	-2.95e-04
1950	170	1.13	-10.02	-0.53	0.0	9.82e-05	-8.27e-05
1950	171	-1.39	10.58	-0.48	0.0	-1.71e-04	9.62e-05
1950	180	-10.39	1.26	-0.50	0.0	-1.26e-03	-2.94e-04
1950	202	1.06	-10.25	-0.53	0.0	8.87e-05	-8.47e-05
1950	203	-1.32	10.80	-0.48	0.0	-1.61e-04	9.82e-05
1950	212	-12.13	1.34	-0.50	0.0	-1.46e-03	-3.49e-04
1950	234	1.23	-12.22	-0.54	0.0	1.05e-04	-1.02e-04
1950	235	-1.49	12.77	-0.48	0.0	-1.78e-04	1.16e-04
1950	264	-0.68	0.27	-0.56	0.0	-1.10e-04	1.88e-05
1950	276	-0.13	0.96	-0.56	0.0	-3.67e-05	8.90e-06
1950	280	-0.17	0.17	-0.64	0.0	-4.68e-05	8.58e-06
1950	298	-0.14	0.29	-0.53	0.0	-3.83e-05	7.19e-06
1950	305	-0.24	0.27	-0.51	0.0	-5.02e-05	8.98e-06
1950	307	-0.13	0.41	-0.51	0.0	-3.57e-05	7.00e-06

1950	310	-0.13	0.28	-0.51	0.0	-3.63e-05	6.74e-06
1951	44	-1.10	0.52	-0.90	-9.00e-05	-1.38e-04	2.74e-05
1951	68	-0.21	1.62	-0.90	-1.03e-04	-8.16e-05	1.28e-05
1951	76	-0.28	0.38	-1.03	-1.06e-04	-1.01e-04	1.24e-05
1951	116	-9.89	1.44	-0.56	-3.00e-05	-9.29e-04	-2.90e-04
1951	138	1.04	-9.42	-0.59	-2.80e-05	3.10e-05	-7.37e-05
1951	139	-1.34	10.15	-0.55	-8.71e-05	-1.39e-04	8.72e-05
1951	148	-11.10	1.55	-0.56	-2.65e-05	-1.04e-03	-3.27e-04
1951	170	1.18	-10.70	-0.59	-2.40e-05	4.03e-05	-8.44e-05
1951	171	-1.47	11.43	-0.54	-9.10e-05	-1.48e-04	9.79e-05
1951	180	-10.98	1.41	-0.56	-2.60e-05	-1.03e-03	-3.27e-04
1951	202	1.10	-10.94	-0.59	-2.29e-05	3.20e-05	-8.65e-05
1951	203	-1.40	11.67	-0.54	-9.21e-05	-1.40e-04	1.00e-04
1951	212	-12.83	1.50	-0.56	-2.00e-05	-1.19e-03	-3.87e-04
1951	234	1.28	-13.05	-0.60	-1.63e-05	4.25e-05	-1.04e-04
1951	235	-1.58	13.78	-0.54	-9.88e-05	-1.50e-04	1.18e-04
1951	264	-0.74	0.36	-0.63	-6.32e-05	-9.50e-05	1.87e-05
1951	276	-0.15	1.10	-0.63	-7.16e-05	-5.74e-05	8.92e-06
1951	280	-0.19	0.27	-0.72	-7.41e-05	-7.03e-05	8.66e-06
1951	298	-0.16	0.39	-0.60	-6.08e-05	-5.64e-05	7.22e-06
1951	305	-0.26	0.36	-0.57	-5.69e-05	-6.05e-05	8.96e-06
1951	307	-0.14	0.50	-0.57	-5.86e-05	-5.30e-05	7.01e-06
1951	310	-0.15	0.36	-0.57	-5.75e-05	-5.38e-05	6.76e-06
1952	4	3.78e-03	0.53	-0.94	0.0	-3.46e-05	9.14e-06
1952	44	-1.03	0.37	-0.83	0.0	-1.62e-04	2.71e-05
1952	68	-0.19	1.41	-0.83	0.0	-5.25e-05	1.34e-05
1952	116	-9.22	1.28	-0.51	0.0	-1.12e-03	-2.91e-04
1952	118	7.86	-5.07	-0.54	0.0	9.08e-04	1.77e-04
1952	139	-1.30	9.39	-0.51	0.0	-1.62e-04	7.82e-05
1952	148	-10.34	1.38	-0.51	0.0	-1.25e-03	-3.28e-04
1952	150	8.84	-5.75	-0.54	0.0	1.02e-03	1.98e-04
1952	171	-1.43	10.58	-0.51	0.0	-1.77e-04	8.77e-05
1952	180	-10.23	1.25	-0.51	0.0	-1.24e-03	-3.28e-04
1952	182	8.69	-5.77	-0.54	0.0	1.01e-03	1.94e-04
1952	203	-1.36	10.80	-0.51	0.0	-1.68e-04	8.96e-05
1952	212	-11.94	1.34	-0.51	0.0	-1.45e-03	-3.88e-04
1952	214	10.16	-6.84	-0.54	0.0	1.18e-03	2.26e-04
1952	235	-1.54	12.77	-0.51	0.0	-1.86e-04	1.05e-04
1952	244	-4.01e-03	0.37	-0.66	0.0	-2.49e-05	6.49e-06
1952	264	-0.69	0.26	-0.58	0.0	-1.10e-04	1.85e-05
1952	276	-0.13	0.95	-0.58	0.0	-3.68e-05	9.33e-06
1952	298	-0.14	0.29	-0.55	0.0	-3.83e-05	7.66e-06
1952	305	-0.24	0.26	-0.52	0.0	-5.04e-05	9.25e-06
1952	307	-0.13	0.40	-0.52	0.0	-3.57e-05	7.42e-06
1952	310	-0.13	0.27	-0.52	0.0	-3.63e-05	7.19e-06
1953	4	-0.01	0.71	-1.06	-8.79e-05	-8.56e-05	7.61e-06
1953	44	-1.11	0.52	-0.93	-6.96e-05	-1.39e-04	2.61e-05
1953	68	-0.22	1.62	-0.93	-8.30e-05	-8.34e-05	1.20e-05
1953	116	-9.75	1.44	-0.57	-1.48e-05	-9.09e-04	-3.03e-04
1953	118	8.28	-5.37	-0.60	-5.38e-05	6.86e-04	1.82e-04
1953	139	-1.37	10.15	-0.57	-7.79e-05	-1.44e-04	8.14e-05
1953	148	-10.94	1.55	-0.57	-1.09e-05	-1.01e-03	-3.42e-04
1953	150	9.32	-6.09	-0.60	-5.48e-05	7.76e-04	2.03e-04
1953	171	-1.51	11.43	-0.57	-8.23e-05	-1.54e-04	9.14e-05
1953	180	-10.82	1.41	-0.57	-1.04e-05	-1.00e-03	-3.41e-04
1953	182	9.17	-6.11	-0.60	-5.45e-05	7.61e-04	1.99e-04
1953	203	-1.44	11.67	-0.57	-8.35e-05	-1.46e-04	9.34e-05
1953	212	-12.63	1.50	-0.57	-3.83e-06	-1.16e-03	-4.04e-04
1953	214	10.72	-7.26	-0.60	-5.61e-05	8.97e-04	2.32e-04
1953	235	-1.63	13.78	-0.57	-9.09e-05	-1.58e-04	1.10e-04
1953	244	-0.02	0.49	-0.74	-6.11e-05	-6.01e-05	5.43e-06
1953	264	-0.75	0.36	-0.65	-4.89e-05	-9.60e-05	1.78e-05
1953	276	-0.15	1.10	-0.65	-5.78e-05	-5.86e-05	8.38e-06
1953	298	-0.16	0.39	-0.61	-4.78e-05	-5.72e-05	6.89e-06
1953	305	-0.27	0.36	-0.58	-4.44e-05	-6.14e-05	8.55e-06
1953	307	-0.15	0.50	-0.58	-4.62e-05	-5.39e-05	6.67e-06
1953	310	-0.15	0.36	-0.58	-4.50e-05	-5.46e-05	6.44e-06
1954	4	-1.92e-03	0.52	-0.95	0.0	-3.26e-05	1.15e-05
1954	44	-1.05	0.36	-0.83	0.0	-1.61e-04	2.82e-05
1954	68	-0.20	1.40	-0.84	0.0	-5.08e-05	1.53e-05
1954	116	-9.06	1.27	-0.50	0.0	-1.11e-03	-3.10e-04
1954	121	8.22	2.34	-0.55	0.0	9.89e-04	6.99e-05
1954	139	-1.32	9.38	-0.52	0.0	-1.65e-04	7.43e-05
1954	148	-10.17	1.38	-0.50	0.0	-1.24e-03	-3.50e-04
1954	153	9.27	2.62	-0.55	0.0	1.12e-03	7.82e-05

1954	171	-1.46	10.57	-0.52	0.0	-1.80e-04	8.32e-05
1954	180	-10.05	1.25	-0.50	0.0	-1.23e-03	-3.50e-04
1954	185	9.15	2.70	-0.55	0.0	1.10e-03	8.21e-05
1954	203	-1.40	10.80	-0.52	0.0	-1.71e-04	8.52e-05
1954	209	11.46	-0.81	-0.56	0.0	1.36e-03	4.31e-04
1954	212	-11.73	1.33	-0.50	0.0	-1.43e-03	-4.14e-04
1954	235	-1.58	12.77	-0.52	0.0	-1.90e-04	1.00e-04
1954	244	-8.06e-03	0.36	-0.66	0.0	-2.35e-05	8.15e-06
1954	264	-0.70	0.25	-0.58	0.0	-1.09e-04	1.93e-05
1954	276	-0.14	0.94	-0.59	0.0	-3.56e-05	1.07e-05
1954	298	-0.15	0.28	-0.55	0.0	-3.74e-05	8.84e-06
1954	305	-0.25	0.25	-0.53	0.0	-4.95e-05	1.03e-05
1954	307	-0.14	0.39	-0.53	0.0	-3.48e-05	8.55e-06
1954	310	-0.14	0.26	-0.53	0.0	-3.54e-05	8.32e-06
1955	4	-0.02	0.71	-1.07	-9.51e-05	-8.83e-05	7.71e-06
1955	44	-1.13	0.52	-0.93	-7.41e-05	-1.43e-04	2.56e-05
1955	68	-0.22	1.62	-0.94	-8.98e-05	-8.65e-05	1.19e-05
1955	116	-9.59	1.44	-0.56	-9.46e-06	-8.79e-04	-3.11e-04
1955	121	8.69	2.60	-0.61	-9.50e-05	6.78e-04	5.73e-05
1955	139	-1.40	10.15	-0.58	-9.33e-05	-1.50e-04	7.81e-05
1955	148	-10.76	1.55	-0.56	-4.49e-06	-9.81e-04	-3.51e-04
1955	153	9.80	2.90	-0.61	-1.01e-04	7.70e-04	6.43e-05
1955	171	-1.55	11.43	-0.58	-9.93e-05	-1.61e-04	8.77e-05
1955	180	-10.63	1.41	-0.56	-3.76e-06	-9.69e-04	-3.50e-04
1955	185	9.67	2.98	-0.61	-1.01e-04	7.58e-04	6.83e-05
1955	203	-1.48	11.67	-0.58	-1.01e-04	-1.54e-04	8.97e-05
1955	209	12.10	-0.77	-0.62	-1.00e-04	1.01e-03	4.28e-04
1955	212	-12.41	1.50	-0.55	4.65e-06	-1.12e-03	-4.15e-04
1955	235	-1.67	13.78	-0.58	-1.11e-04	-1.67e-04	1.06e-04
1955	244	-0.02	0.49	-0.74	-6.61e-05	-6.20e-05	5.50e-06
1955	264	-0.76	0.36	-0.65	-5.21e-05	-9.81e-05	1.74e-05
1955	276	-0.16	1.10	-0.66	-6.26e-05	-6.08e-05	8.27e-06
1955	298	-0.16	0.39	-0.62	-5.11e-05	-5.88e-05	6.88e-06
1955	305	-0.27	0.35	-0.59	-4.72e-05	-6.29e-05	8.47e-06
1955	307	-0.15	0.50	-0.59	-4.93e-05	-5.54e-05	6.64e-06
1955	310	-0.16	0.36	-0.59	-4.79e-05	-5.61e-05	6.43e-06
1956	44	-1.06	0.34	-0.83	0.0	-1.59e-04	3.11e-05
1956	52	-0.25	1.06	-0.96	0.0	-5.79e-05	2.05e-05
1956	68	-0.21	1.38	-0.85	0.0	-4.75e-05	1.85e-05
1956	116	-8.90	1.26	-0.48	0.0	-1.12e-03	-3.21e-04
1956	125	7.95	2.95	-0.57	0.0	9.79e-04	6.87e-05
1956	139	-1.35	9.38	-0.53	0.0	-1.70e-04	7.43e-05
1956	148	-9.98	1.37	-0.48	0.0	-1.25e-03	-3.62e-04
1956	157	8.96	3.31	-0.58	0.0	1.11e-03	7.61e-05
1956	171	-1.49	10.57	-0.54	0.0	-1.86e-04	8.30e-05
1956	180	-9.87	1.24	-0.48	0.0	-1.24e-03	-3.62e-04
1956	189	8.83	3.38	-0.58	0.0	1.09e-03	7.52e-05
1956	203	-1.43	10.79	-0.54	0.0	-1.77e-04	8.52e-05
1956	212	-11.51	1.32	-0.47	0.0	-1.44e-03	-4.29e-04
1956	217	10.63	3.18	-0.59	0.0	1.32e-03	1.56e-04
1956	235	-1.62	12.77	-0.54	0.0	-1.98e-04	9.99e-05
1956	264	-0.72	0.24	-0.58	0.0	-1.08e-04	2.13e-05
1956	268	-0.17	0.72	-0.67	0.0	-4.02e-05	1.42e-05
1956	276	-0.15	0.93	-0.59	0.0	-3.33e-05	1.29e-05
1956	298	-0.15	0.27	-0.55	0.0	-3.54e-05	1.07e-05
1956	305	-0.25	0.24	-0.53	0.0	-4.77e-05	1.21e-05
1956	307	-0.14	0.38	-0.53	0.0	-3.29e-05	1.04e-05
1956	310	-0.14	0.25	-0.53	0.0	-3.35e-05	1.01e-05
1957	44	-1.14	0.52	-0.93	-1.16e-04	-1.46e-04	2.62e-05
1957	52	-0.28	1.31	-1.07	-1.53e-04	-1.04e-04	1.40e-05
1957	68	-0.23	1.62	-0.94	-1.36e-04	-9.00e-05	1.27e-05
1957	116	-9.44	1.44	-0.54	-2.15e-05	-8.31e-04	-3.09e-04
1957	125	8.42	3.26	-0.64	-1.43e-04	6.23e-04	6.86e-06
1957	139	-1.43	10.15	-0.59	-1.46e-04	-1.53e-04	8.13e-05
1957	148	-10.58	1.55	-0.54	-1.47e-05	-9.27e-04	-3.49e-04
1957	157	9.49	3.64	-0.64	-1.52e-04	7.08e-04	7.11e-06
1957	171	-1.58	11.43	-0.60	-1.56e-04	-1.64e-04	9.13e-05
1957	180	-10.46	1.41	-0.54	-1.35e-05	-9.16e-04	-3.48e-04
1957	185	9.64	2.98	-0.64	-1.47e-04	7.21e-04	6.82e-05
1957	203	-1.51	11.67	-0.60	-1.58e-04	-1.57e-04	9.35e-05
1957	212	-12.20	1.50	-0.53	-1.78e-06	-1.06e-03	-4.13e-04
1957	217	11.26	3.51	-0.65	-1.60e-04	8.50e-04	8.26e-05
1957	235	-1.71	13.78	-0.60	-1.75e-04	-1.71e-04	1.10e-04
1957	264	-0.77	0.36	-0.65	-8.12e-05	-1.00e-04	1.78e-05
1957	268	-0.19	0.89	-0.74	-1.06e-04	-7.26e-05	9.74e-06

1957	276	-0.16	1.10	-0.66	-9.45e-05	-6.32e-05	8.83e-06
1957	298	-0.17	0.39	-0.62	-7.87e-05	-6.05e-05	7.24e-06
1957	305	-0.28	0.35	-0.59	-7.29e-05	-6.46e-05	8.81e-06
1957	307	-0.16	0.50	-0.59	-7.55e-05	-5.71e-05	7.01e-06
1957	310	-0.16	0.36	-0.59	-7.37e-05	-5.77e-05	6.78e-06
1958	44	-1.08	0.32	-0.84	0.0	-1.54e-04	3.48e-05
1958	52	-0.26	1.03	-0.97	0.0	-5.15e-05	2.47e-05
1958	68	-0.22	1.36	-0.86	0.0	-4.17e-05	2.23e-05
1958	116	-8.74	1.25	-0.46	0.0	-1.13e-03	-3.26e-04
1958	125	7.93	2.94	-0.61	0.0	1.01e-03	6.81e-05
1958	139	-1.37	9.37	-0.56	0.0	-1.76e-04	7.56e-05
1958	148	-9.80	1.35	-0.45	0.0	-1.27e-03	-3.69e-04
1958	157	8.94	3.30	-0.63	0.0	1.14e-03	7.52e-05
1958	171	-1.52	10.57	-0.56	0.0	-1.93e-04	8.42e-05
1958	180	-9.68	1.22	-0.45	0.0	-1.26e-03	-3.68e-04
1958	189	8.80	3.37	-0.62	0.0	1.13e-03	7.41e-05
1958	203	-1.46	10.79	-0.56	0.0	-1.85e-04	8.64e-05
1958	212	-11.29	1.31	-0.43	0.0	-1.46e-03	-4.36e-04
1958	221	10.26	3.96	-0.64	0.0	1.32e-03	8.48e-05
1958	235	-1.65	12.76	-0.57	0.0	-2.07e-04	1.01e-04
1958	264	-0.73	0.22	-0.59	0.0	-1.04e-04	2.39e-05
1958	268	-0.18	0.70	-0.68	0.0	-3.58e-05	1.71e-05
1958	276	-0.15	0.92	-0.60	0.0	-2.93e-05	1.55e-05
1958	298	-0.16	0.25	-0.56	0.0	-3.19e-05	1.30e-05
1958	305	-0.26	0.23	-0.53	0.0	-4.45e-05	1.42e-05
1958	307	-0.15	0.37	-0.53	0.0	-2.95e-05	1.26e-05
1958	310	-0.15	0.24	-0.53	0.0	-3.01e-05	1.23e-05
1959	44	-1.16	0.52	-0.93	-2.17e-04	-1.50e-04	2.62e-05
1959	52	-0.29	1.31	-1.08	-2.77e-04	-1.08e-04	1.40e-05
1959	68	-0.24	1.62	-0.96	-2.43e-04	-9.37e-05	1.27e-05
1959	116	-9.28	1.44	-0.51	-6.46e-05	-7.70e-04	-3.10e-04
1959	125	8.42	3.26	-0.68	-2.32e-04	5.78e-04	7.14e-06
1959	139	-1.46	10.15	-0.62	-2.59e-04	-1.52e-04	8.12e-05
1959	148	-10.41	1.55	-0.50	-5.51e-05	-8.57e-04	-3.49e-04
1959	157	9.49	3.64	-0.69	-2.44e-04	6.57e-04	7.43e-06
1959	171	-1.61	11.43	-0.62	-2.75e-04	-1.63e-04	9.12e-05
1959	180	-10.28	1.41	-0.50	-5.29e-05	-8.47e-04	-3.49e-04
1959	189	9.35	3.72	-0.69	-2.45e-04	6.46e-04	8.84e-06
1959	203	-1.55	11.67	-0.62	-2.79e-04	-1.57e-04	9.33e-05
1959	212	-11.99	1.50	-0.49	-3.63e-05	-9.80e-04	-4.13e-04
1959	221	10.90	4.36	-0.70	-2.64e-04	7.61e-04	1.03e-05
1959	235	-1.75	13.79	-0.63	-3.06e-04	-1.71e-04	1.10e-04
1959	264	-0.78	0.36	-0.65	-1.52e-04	-1.03e-04	1.78e-05
1959	268	-0.20	0.89	-0.75	-1.92e-04	-7.53e-05	9.74e-06
1959	276	-0.17	1.10	-0.67	-1.69e-04	-6.58e-05	8.83e-06
1959	298	-0.17	0.39	-0.62	-1.45e-04	-6.24e-05	7.24e-06
1959	305	-0.28	0.35	-0.59	-1.35e-04	-6.65e-05	8.81e-06
1959	307	-0.16	0.50	-0.59	-1.39e-04	-5.90e-05	7.01e-06
1959	310	-0.16	0.36	-0.59	-1.36e-04	-5.96e-05	6.78e-06
1960	44	-1.10	0.29	-0.85	0.0	-1.47e-04	3.76e-05
1960	52	-0.28	0.99	-1.00	0.0	-4.26e-05	2.74e-05
1960	68	-0.23	1.32	-0.89	0.0	-3.37e-05	2.47e-05
1960	116	-8.57	1.23	-0.41	0.0	-1.16e-03	-3.24e-04
1960	125	7.91	2.93	-0.69	0.0	1.06e-03	6.96e-05
1960	139	-1.40	9.37	-0.60	0.0	-1.81e-04	7.73e-05
1960	148	-9.61	1.33	-0.39	0.0	-1.30e-03	-3.66e-04
1960	157	8.91	3.28	-0.71	0.0	1.19e-03	7.66e-05
1960	171	-1.54	10.56	-0.61	0.0	-1.99e-04	8.59e-05
1960	180	-9.49	1.20	-0.39	0.0	-1.28e-03	-3.66e-04
1960	189	8.77	3.36	-0.71	0.0	1.18e-03	7.56e-05
1960	203	-1.49	10.79	-0.62	0.0	-1.90e-04	8.82e-05
1960	212	-11.06	1.29	-0.37	0.0	-1.49e-03	-4.34e-04
1960	221	10.23	3.95	-0.74	0.0	1.37e-03	8.63e-05
1960	235	-1.69	12.76	-0.63	0.0	-2.14e-04	1.03e-04
1960	264	-0.74	0.20	-0.60	0.0	-9.94e-05	2.58e-05
1960	268	-0.19	0.67	-0.70	0.0	-2.96e-05	1.91e-05
1960	276	-0.16	0.89	-0.62	0.0	-2.37e-05	1.73e-05
1960	298	-0.17	0.23	-0.57	0.0	-2.71e-05	1.45e-05
1960	305	-0.27	0.21	-0.54	0.0	-4.01e-05	1.57e-05
1960	307	-0.16	0.35	-0.54	0.0	-2.49e-05	1.40e-05
1960	310	-0.16	0.22	-0.54	0.0	-2.56e-05	1.38e-05
1961	44	-1.17	0.52	-0.95	-4.18e-04	-1.54e-04	2.64e-05
1961	52	-0.29	1.31	-1.12	-5.22e-04	-1.12e-04	1.38e-05
1961	68	-0.25	1.62	-0.99	-4.54e-04	-9.77e-05	1.24e-05
1961	116	-9.13	1.44	-0.47	-1.57e-04	-6.99e-04	-3.08e-04

1961	125	8.43	3.26	-0.76	-3.85e-04	5.25e-04	5.56e-06
1961	139	-1.48	10.15	-0.67	-4.69e-04	-1.50e-04	8.03e-05
1961	148	-10.24	1.55	-0.45	-1.44e-04	-7.78e-04	-3.47e-04
1961	157	9.50	3.64	-0.78	-4.01e-04	5.97e-04	5.66e-06
1961	171	-1.64	11.43	-0.68	-4.96e-04	-1.61e-04	9.01e-05
1961	180	-10.11	1.41	-0.45	-1.40e-04	-7.68e-04	-3.47e-04
1961	189	9.35	3.72	-0.78	-4.02e-04	5.87e-04	7.05e-06
1961	203	-1.57	11.67	-0.68	-5.02e-04	-1.56e-04	9.22e-05
1961	212	-11.79	1.50	-0.42	-1.16e-04	-8.88e-04	-4.11e-04
1961	221	10.91	4.36	-0.81	-4.27e-04	6.92e-04	8.22e-06
1961	235	-1.79	13.79	-0.70	-5.48e-04	-1.70e-04	1.09e-04
1961	264	-0.79	0.36	-0.67	-2.92e-04	-1.06e-04	1.80e-05
1961	268	-0.20	0.89	-0.78	-3.61e-04	-7.82e-05	9.60e-06
1961	276	-0.17	1.10	-0.69	-3.15e-04	-6.87e-05	8.67e-06
1961	298	-0.18	0.39	-0.63	-2.79e-04	-6.43e-05	7.17e-06
1961	305	-0.29	0.35	-0.60	-2.61e-04	-6.85e-05	8.80e-06
1961	307	-0.16	0.50	-0.61	-2.65e-04	-6.10e-05	6.93e-06
1961	310	-0.17	0.36	-0.60	-2.62e-04	-6.15e-05	6.72e-06
1962	44	-0.69	-5.07e-03	-0.84	0.0	-2.01e-04	1.63e-05
1962	52	-0.12	0.42	-1.02	0.0	-1.05e-04	4.51e-06
1962	67	-0.09	0.67	-0.84	0.0	-8.42e-05	3.79e-06
1962	124	-5.33	-1.24	-0.36	0.0	-1.21e-03	-4.51e-06
1962	139	-0.88	5.56	-0.75	0.0	-2.36e-04	4.55e-05
1962	141	2.08	5.07	-0.81	0.0	4.13e-04	6.77e-05
1962	156	-5.98	-1.40	-0.34	0.0	-1.35e-03	-5.74e-06
1962	171	-0.98	6.28	-0.78	0.0	-2.58e-04	5.13e-05
1962	173	2.35	5.73	-0.85	0.0	4.72e-04	7.61e-05
1962	188	-5.89	-1.45	-0.34	0.0	-1.33e-03	-8.35e-06
1962	203	-0.95	6.41	-0.79	0.0	-2.51e-04	5.20e-05
1962	205	2.33	5.87	-0.86	0.0	4.67e-04	7.64e-05
1962	220	-6.85	-1.74	-0.30	0.0	-1.54e-03	-1.26e-05
1962	235	-1.09	7.60	-0.84	0.0	-2.81e-04	6.13e-05
1962	237	2.73	6.98	-0.92	0.0	5.55e-04	9.01e-05
1962	264	-0.47	-2.83e-03	-0.59	0.0	-1.37e-04	1.10e-05
1962	268	-0.08	0.28	-0.71	0.0	-7.30e-05	3.12e-06
1962	275	-0.07	0.45	-0.59	0.0	-5.91e-05	2.64e-06
1962	298	-0.07	0.02	-0.56	0.0	-6.04e-05	2.45e-06
1962	305	-0.14	0.02	-0.53	0.0	-7.17e-05	3.98e-06
1962	307	-0.06	0.11	-0.54	0.0	-5.70e-05	2.32e-06
1962	310	-0.06	0.02	-0.53	0.0	-5.73e-05	2.29e-06
1963	44	-0.80	0.04	-0.94	0.0	-1.91e-04	2.04e-05
1963	52	-0.17	0.52	-1.13	0.0	-9.26e-05	9.15e-06
1963	68	-0.15	0.79	-1.01	0.0	-7.91e-05	8.08e-06
1963	124	-5.97	-1.37	-0.40	0.0	-1.20e-03	-9.32e-06
1963	139	-1.01	6.33	-0.84	0.0	-2.29e-04	5.31e-05
1963	141	2.30	5.77	-0.90	0.0	4.22e-04	8.22e-05
1963	156	-6.70	-1.56	-0.38	0.0	-1.35e-03	-1.15e-05
1963	171	-1.11	7.14	-0.87	0.0	-2.50e-04	5.96e-05
1963	173	2.60	6.53	-0.94	0.0	4.81e-04	9.22e-05
1963	188	-6.60	-1.61	-0.38	0.0	-1.33e-03	-1.44e-05
1963	203	-1.08	7.30	-0.88	0.0	-2.43e-04	6.05e-05
1963	205	2.58	6.69	-0.95	0.0	4.77e-04	9.26e-05
1963	220	-7.67	-1.95	-0.34	0.0	-1.54e-03	-2.04e-05
1963	235	-1.23	8.65	-0.93	0.0	-2.72e-04	7.11e-05
1963	237	3.02	7.95	-1.01	0.0	5.65e-04	1.09e-04
1963	264	-0.54	0.03	-0.66	0.0	-1.30e-04	1.39e-05
1963	268	-0.12	0.35	-0.79	0.0	-6.43e-05	6.35e-06
1963	276	-0.10	0.53	-0.70	0.0	-5.53e-05	5.64e-06
1963	298	-0.10	0.06	-0.62	0.0	-5.37e-05	4.92e-06
1963	305	-0.18	0.05	-0.59	0.0	-6.55e-05	6.36e-06
1963	307	-0.09	0.15	-0.60	0.0	-5.06e-05	4.71e-06
1963	310	-0.09	0.05	-0.59	0.0	-5.10e-05	4.63e-06
1964	44	-0.90	0.09	-1.00	0.0	-1.79e-04	2.37e-05
1964	52	-0.22	0.63	-1.21	0.0	-7.75e-05	1.30e-05
1964	68	-0.19	0.92	-1.08	0.0	-6.54e-05	1.16e-05
1964	124	-6.61	-1.51	-0.43	0.0	-1.20e-03	-1.71e-05
1964	139	-1.13	7.11	-0.90	0.0	-2.19e-04	6.02e-05
1964	141	2.53	6.49	-0.97	0.0	4.33e-04	9.67e-05
1964	156	-7.41	-1.72	-0.40	0.0	-1.34e-03	-2.06e-05
1964	171	-1.24	8.03	-0.93	0.0	-2.40e-04	6.73e-05
1964	173	2.86	7.34	-1.01	0.0	4.93e-04	1.08e-04
1964	188	-7.31	-1.78	-0.40	0.0	-1.32e-03	-2.37e-05
1964	203	-1.21	8.20	-0.94	0.0	-2.32e-04	6.85e-05
1964	205	2.83	7.52	-1.02	0.0	4.88e-04	1.09e-04
1964	220	-8.48	-2.16	-0.36	0.0	-1.53e-03	-3.19e-05

1964	235	-1.38	9.71	-1.00	0.0	-2.62e-04	8.03e-05
1964	237	3.33	8.93	-1.09	0.0	5.77e-04	1.28e-04
1964	264	-0.61	0.06	-0.70	0.0	-1.21e-04	1.61e-05
1964	268	-0.15	0.42	-0.84	0.0	-5.39e-05	9.00e-06
1964	276	-0.13	0.62	-0.75	0.0	-4.58e-05	8.07e-06
1964	298	-0.13	0.09	-0.66	0.0	-4.57e-05	6.91e-06
1964	305	-0.21	0.08	-0.63	0.0	-5.80e-05	8.25e-06
1964	307	-0.12	0.19	-0.64	0.0	-4.29e-05	6.64e-06
1964	310	-0.12	0.09	-0.63	0.0	-4.33e-05	6.51e-06
1965	44	-0.70	-0.01	-0.89	0.0	-2.01e-04	1.59e-05
1965	52	-0.12	0.42	-1.09	0.0	-1.05e-04	3.98e-06
1965	67	-0.10	0.66	-0.91	0.0	-8.44e-05	3.38e-06
1965	124	-5.34	-1.24	-0.38	0.0	-1.21e-03	0.0
1965	137	2.02	4.49	-1.05	0.0	4.03e-04	1.17e-04
1965	139	-0.89	5.55	-0.98	0.0	-2.37e-04	4.59e-05
1965	156	-5.99	-1.40	-0.35	0.0	-1.36e-03	-1.62e-06
1965	169	2.28	5.08	-1.11	0.0	4.60e-04	1.31e-04
1965	171	-0.98	6.27	-1.04	0.0	-2.59e-04	5.17e-05
1965	188	-5.90	-1.45	-0.35	0.0	-1.34e-03	-4.29e-06
1965	201	2.26	5.24	-1.13	0.0	4.55e-04	1.30e-04
1965	203	-0.96	6.40	-1.05	0.0	-2.52e-04	5.24e-05
1965	220	-6.86	-1.75	-0.31	0.0	-1.54e-03	-7.83e-06
1965	233	2.65	6.24	-1.23	0.0	5.42e-04	1.53e-04
1965	235	-1.10	7.60	-1.14	0.0	-2.83e-04	6.19e-05
1965	264	-0.47	-7.34e-03	-0.62	0.0	-1.37e-04	1.07e-05
1965	268	-0.08	0.28	-0.76	0.0	-7.32e-05	2.76e-06
1965	275	-0.07	0.44	-0.64	0.0	-5.92e-05	2.35e-06
1965	298	-0.07	0.02	-0.59	0.0	-6.05e-05	2.18e-06
1965	305	-0.15	0.01	-0.56	0.0	-7.19e-05	3.72e-06
1965	307	-0.07	0.10	-0.57	0.0	-5.71e-05	2.06e-06
1965	310	-0.07	0.02	-0.56	0.0	-5.74e-05	2.02e-06
1966	44	-0.81	0.03	-1.06	0.0	-1.92e-04	1.93e-05
1966	52	-0.18	0.52	-1.30	0.0	-9.43e-05	7.71e-06
1966	68	-0.15	0.78	-1.17	0.0	-8.06e-05	6.77e-06
1966	124	-5.98	-1.38	-0.44	0.0	-1.20e-03	0.0
1966	137	2.24	5.13	-1.27	0.0	4.10e-04	1.36e-04
1966	139	-1.01	6.32	-1.19	0.0	-2.30e-04	5.36e-05
1966	156	-6.71	-1.56	-0.41	0.0	-1.35e-03	-1.93e-06
1966	169	2.53	5.80	-1.35	0.0	4.67e-04	1.52e-04
1966	171	-1.12	7.14	-1.25	0.0	-2.52e-04	6.02e-05
1966	188	-6.61	-1.62	-0.41	0.0	-1.33e-03	-4.92e-06
1966	201	2.50	5.97	-1.36	0.0	4.62e-04	1.52e-04
1966	203	-1.09	7.29	-1.27	0.0	-2.45e-04	6.11e-05
1966	220	-7.68	-1.95	-0.36	0.0	-1.54e-03	-9.21e-06
1966	233	2.94	7.11	-1.49	0.0	5.50e-04	1.78e-04
1966	235	-1.25	8.65	-1.39	0.0	-2.75e-04	7.18e-05
1966	264	-0.54	0.02	-0.74	0.0	-1.31e-04	1.31e-05
1966	268	-0.12	0.35	-0.90	0.0	-6.55e-05	5.35e-06
1966	276	-0.11	0.53	-0.81	0.0	-5.64e-05	4.72e-06
1966	298	-0.10	0.05	-0.71	0.0	-5.46e-05	4.15e-06
1966	305	-0.18	0.04	-0.67	0.0	-6.64e-05	5.64e-06
1966	307	-0.10	0.14	-0.68	0.0	-5.15e-05	3.97e-06
1966	310	-0.10	0.05	-0.67	0.0	-5.18e-05	3.90e-06
1967	44	-0.91	0.08	-1.20	0.0	-1.79e-04	2.23e-05
1967	52	-0.22	0.63	-1.47	0.0	-7.85e-05	1.12e-05
1967	68	-0.19	0.91	-1.31	0.0	-6.63e-05	1.00e-05
1967	124	-6.62	-1.51	-0.49	0.0	-1.19e-03	-7.74e-06
1967	137	2.45	5.77	-1.44	0.0	4.21e-04	1.56e-04
1967	139	-1.13	7.11	-1.34	0.0	-2.20e-04	6.06e-05
1967	156	-7.42	-1.73	-0.46	0.0	-1.34e-03	-9.89e-06
1967	169	2.77	6.52	-1.52	0.0	4.79e-04	1.75e-04
1967	171	-1.25	8.02	-1.42	0.0	-2.41e-04	6.80e-05
1967	188	-7.32	-1.78	-0.46	0.0	-1.32e-03	-1.31e-05
1967	201	2.75	6.72	-1.54	0.0	4.74e-04	1.74e-04
1967	203	-1.22	8.19	-1.44	0.0	-2.34e-04	6.91e-05
1967	220	-8.49	-2.16	-0.40	0.0	-1.53e-03	-1.94e-05
1967	233	3.23	7.99	-1.69	0.0	5.63e-04	2.04e-04
1967	235	-1.39	9.71	-1.57	0.0	-2.64e-04	8.11e-05
1967	264	-0.61	0.06	-0.84	0.0	-1.22e-04	1.52e-05
1967	268	-0.16	0.42	-1.02	0.0	-5.46e-05	7.80e-06
1967	276	-0.13	0.61	-0.91	0.0	-4.64e-05	6.98e-06
1967	298	-0.13	0.09	-0.80	0.0	-4.62e-05	5.99e-06
1967	305	-0.22	0.08	-0.75	0.0	-5.84e-05	7.39e-06
1967	307	-0.12	0.19	-0.77	0.0	-4.34e-05	5.76e-06
1967	310	-0.12	0.08	-0.75	0.0	-4.38e-05	5.64e-06

1968	44	-0.98	0.13	-1.06	0.0	-1.66e-04	2.39e-05
1968	52	-0.25	0.73	-1.27	0.0	-6.26e-05	1.31e-05
1968	68	-0.22	1.03	-1.13	0.0	-5.18e-05	1.17e-05
1968	124	-7.20	-1.65	-0.44	0.0	-1.19e-03	-2.51e-05
1968	139	-1.23	7.85	-0.95	0.0	-2.09e-04	6.51e-05
1968	141	2.75	7.17	-1.03	0.0	4.42e-04	1.07e-04
1968	156	-8.08	-1.88	-0.42	0.0	-1.33e-03	-2.95e-05
1968	171	-1.36	8.86	-0.99	0.0	-2.29e-04	7.29e-05
1968	173	3.11	8.10	-1.07	0.0	5.02e-04	1.21e-04
1968	188	-7.97	-1.94	-0.42	0.0	-1.31e-03	-3.29e-05
1968	203	-1.32	9.05	-1.00	0.0	-2.21e-04	7.44e-05
1968	205	3.08	8.30	-1.08	0.0	4.98e-04	1.21e-04
1968	220	-9.25	-2.36	-0.37	0.0	-1.52e-03	-4.29e-05
1968	235	-1.50	10.72	-1.07	0.0	-2.50e-04	8.74e-05
1968	237	3.62	9.85	-1.16	0.0	5.88e-04	1.43e-04
1968	264	-0.66	0.09	-0.74	0.0	-1.13e-04	1.63e-05
1968	268	-0.18	0.49	-0.88	0.0	-4.35e-05	9.09e-06
1968	276	-0.15	0.69	-0.79	0.0	-3.63e-05	8.19e-06
1968	298	-0.15	0.12	-0.70	0.0	-3.78e-05	6.91e-06
1968	305	-0.24	0.11	-0.66	0.0	-5.04e-05	8.27e-06
1968	307	-0.14	0.23	-0.67	0.0	-3.52e-05	6.66e-06
1968	310	-0.14	0.12	-0.66	0.0	-3.57e-05	6.50e-06
1969	44	-1.06	0.16	-1.12	0.0	-1.54e-04	2.18e-05
1969	52	-0.28	0.81	-1.34	0.0	-4.80e-05	1.03e-05
1969	68	-0.24	1.14	-1.20	0.0	-3.86e-05	9.23e-06
1969	124	-7.79	-1.79	-0.47	0.0	-1.18e-03	-3.22e-05
1969	139	-1.33	8.59	-1.01	0.0	-1.98e-04	6.86e-05
1969	141	2.97	7.85	-1.09	0.0	4.50e-04	1.15e-04
1969	156	-8.74	-2.04	-0.44	0.0	-1.32e-03	-3.74e-05
1969	171	-1.47	9.69	-1.05	0.0	-2.18e-04	7.72e-05
1969	173	3.36	8.86	-1.14	0.0	5.10e-04	1.29e-04
1969	188	-8.62	-2.11	-0.44	0.0	-1.30e-03	-4.11e-05
1969	203	-1.43	9.90	-1.06	0.0	-2.10e-04	7.88e-05
1969	205	3.33	9.09	-1.15	0.0	5.06e-04	1.30e-04
1969	220	-10.01	-2.57	-0.39	0.0	-1.51e-03	-5.24e-05
1969	235	-1.63	11.73	-1.13	0.0	-2.38e-04	9.29e-05
1969	237	3.91	10.78	-1.23	0.0	5.96e-04	1.53e-04
1969	264	-0.72	0.12	-0.78	0.0	-1.04e-04	1.48e-05
1969	268	-0.20	0.55	-0.93	0.0	-3.33e-05	7.13e-06
1969	276	-0.17	0.76	-0.84	0.0	-2.71e-05	6.43e-06
1969	298	-0.16	0.15	-0.74	0.0	-2.99e-05	5.30e-06
1969	305	-0.26	0.13	-0.70	0.0	-4.30e-05	6.81e-06
1969	307	-0.15	0.26	-0.71	0.0	-2.76e-05	5.13e-06
1969	310	-0.16	0.14	-0.70	0.0	-2.82e-05	4.95e-06
1970	44	-1.00	0.12	-1.33	0.0	-1.66e-04	2.24e-05
1970	52	-0.26	0.72	-1.62	0.0	-6.23e-05	1.13e-05
1970	68	-0.22	1.03	-1.45	0.0	-5.16e-05	1.01e-05
1970	124	-7.21	-1.65	-0.55	0.0	-1.18e-03	-1.65e-05
1970	137	2.67	6.38	-1.57	0.0	4.32e-04	1.72e-04
1970	139	-1.24	7.85	-1.47	0.0	-2.10e-04	6.55e-05
1970	156	-8.09	-1.88	-0.51	0.0	-1.33e-03	-1.98e-05
1970	169	3.02	7.21	-1.67	0.0	4.90e-04	1.93e-04
1970	171	-1.37	8.85	-1.56	0.0	-2.31e-04	7.34e-05
1970	188	-7.97	-1.95	-0.51	0.0	-1.31e-03	-2.32e-05
1970	201	2.98	7.43	-1.69	0.0	4.86e-04	1.92e-04
1970	203	-1.33	9.04	-1.58	0.0	-2.23e-04	7.48e-05
1970	220	-9.25	-2.36	-0.45	0.0	-1.52e-03	-3.15e-05
1970	233	3.52	8.83	-1.85	0.0	5.75e-04	2.25e-04
1970	235	-1.52	10.71	-1.72	0.0	-2.52e-04	8.79e-05
1970	264	-0.67	0.09	-0.93	0.0	-1.12e-04	1.52e-05
1970	268	-0.18	0.48	-1.12	0.0	-4.33e-05	7.86e-06
1970	276	-0.15	0.69	-1.01	0.0	-3.62e-05	7.06e-06
1970	298	-0.15	0.12	-0.88	0.0	-3.75e-05	5.96e-06
1970	305	-0.25	0.10	-0.83	0.0	-5.03e-05	7.37e-06
1970	307	-0.14	0.22	-0.85	0.0	-3.50e-05	5.74e-06
1970	310	-0.14	0.11	-0.84	0.0	-3.55e-05	5.59e-06
1971	44	-1.07	0.14	-1.50	0.0	-1.54e-04	2.05e-05
1971	52	-0.28	0.77	-1.82	0.0	-4.77e-05	8.78e-06
1971	68	-0.24	1.11	-1.62	0.0	-3.83e-05	7.87e-06
1971	124	-7.80	-1.81	-0.63	0.0	-1.17e-03	-2.56e-05
1971	137	2.88	6.97	-1.72	0.0	4.41e-04	1.84e-04
1971	139	-1.34	8.56	-1.61	0.0	-2.00e-04	6.89e-05
1971	156	-8.75	-2.06	-0.59	0.0	-1.31e-03	-2.98e-05
1971	169	3.26	7.87	-1.82	0.0	4.99e-04	2.07e-04
1971	171	-1.48	9.67	-1.70	0.0	-2.20e-04	7.76e-05

1971	188	-8.62	-2.13	-0.59	0.0	-1.29e-03	-3.35e-05
1971	201	3.23	8.11	-1.84	0.0	4.95e-04	2.07e-04
1971	203	-1.44	9.87	-1.72	0.0	-2.13e-04	7.91e-05
1971	220	-10.00	-2.59	-0.52	0.0	-1.50e-03	-4.35e-05
1971	233	3.81	9.64	-2.01	0.0	5.85e-04	2.43e-04
1971	235	-1.64	11.70	-1.87	0.0	-2.41e-04	9.34e-05
1971	264	-0.72	0.10	-1.05	0.0	-1.04e-04	1.39e-05
1971	268	-0.20	0.52	-1.26	0.0	-3.32e-05	6.09e-06
1971	276	-0.17	0.74	-1.13	0.0	-2.69e-05	5.48e-06
1971	298	-0.17	0.13	-0.99	0.0	-2.97e-05	4.50e-06
1971	305	-0.27	0.11	-0.94	0.0	-4.29e-05	6.04e-06
1971	307	-0.16	0.24	-0.95	0.0	-2.75e-05	4.35e-06
1971	310	-0.16	0.12	-0.94	0.0	-2.80e-05	4.18e-06
1972	44	-1.14	0.14	-1.21	0.0	-1.43e-04	2.05e-05
1972	52	-0.30	0.82	-1.45	0.0	-3.55e-05	7.89e-06
1972	68	-0.25	1.18	-1.29	0.0	-2.72e-05	7.11e-06
1972	124	-8.37	-1.98	-0.51	0.0	-1.16e-03	-3.73e-05
1972	139	-1.43	9.33	-1.09	0.0	-1.89e-04	7.34e-05
1972	141	3.20	8.53	-1.17	0.0	4.55e-04	1.22e-04
1972	156	-9.40	-2.26	-0.48	0.0	-1.30e-03	-4.30e-05
1972	171	-1.58	10.54	-1.13	0.0	-2.08e-04	8.27e-05
1972	173	3.62	9.64	-1.22	0.0	5.15e-04	1.38e-04
1972	188	-9.26	-2.34	-0.48	0.0	-1.29e-03	-4.69e-05
1972	203	-1.53	10.76	-1.14	0.0	-2.00e-04	8.46e-05
1972	205	3.58	9.88	-1.23	0.0	5.11e-04	1.39e-04
1972	220	-10.75	-2.84	-0.43	0.0	-1.49e-03	-5.93e-05
1972	235	-1.74	12.75	-1.21	0.0	-2.27e-04	1.00e-04
1972	237	4.21	11.73	-1.32	0.0	6.01e-04	1.64e-04
1972	264	-0.77	0.10	-0.85	0.0	-9.62e-05	1.39e-05
1972	268	-0.21	0.55	-1.01	0.0	-2.47e-05	5.47e-06
1972	276	-0.18	0.79	-0.90	0.0	-1.92e-05	4.95e-06
1972	298	-0.18	0.13	-0.80	0.0	-2.32e-05	3.94e-06
1972	305	-0.28	0.11	-0.75	0.0	-3.66e-05	5.62e-06
1972	307	-0.17	0.25	-0.76	0.0	-2.12e-05	3.83e-06
1972	310	-0.17	0.12	-0.76	0.0	-2.18e-05	3.64e-06
1973	44	-1.20	0.52	-1.41	-1.28e-03	-1.59e-04	2.69e-05
1973	52	-0.31	1.31	-1.68	-1.57e-03	-1.18e-04	1.39e-05
1973	68	-0.26	1.62	-1.50	-1.34e-03	-1.04e-04	1.25e-05
1973	124	-8.95	-1.87	-0.62	-6.71e-04	-6.12e-04	-3.88e-05
1973	139	-1.52	10.15	-1.22	-1.39e-03	-1.50e-04	8.34e-05
1973	141	3.42	9.30	-1.30	-1.34e-03	1.61e-04	1.34e-04
1973	156	-10.04	-2.17	-0.59	-6.53e-04	-6.80e-04	-4.52e-05
1973	171	-1.68	11.43	-1.26	-1.46e-03	-1.60e-04	9.36e-05
1973	173	3.88	10.47	-1.36	-1.41e-03	1.90e-04	1.51e-04
1973	188	-9.90	-2.25	-0.59	-6.48e-04	-6.71e-04	-4.93e-05
1973	203	-1.62	11.67	-1.28	-1.48e-03	-1.57e-04	9.57e-05
1973	205	3.84	10.73	-1.37	-1.43e-03	1.87e-04	1.52e-04
1973	220	-11.49	-2.78	-0.54	-6.16e-04	-7.70e-04	-6.29e-05
1973	235	-1.85	13.78	-1.35	-1.60e-03	-1.71e-04	1.13e-04
1973	237	4.52	12.69	-1.46	-1.54e-03	2.29e-04	1.79e-04
1973	264	-0.81	0.36	-0.99	-8.89e-04	-1.10e-04	1.83e-05
1973	268	-0.22	0.89	-1.17	-1.08e-03	-8.24e-05	9.62e-06
1973	276	-0.18	1.09	-1.05	-9.28e-04	-7.27e-05	8.73e-06
1973	298	-0.18	0.38	-0.92	-8.65e-04	-6.73e-05	7.16e-06
1973	305	-0.30	0.35	-0.87	-8.08e-04	-7.13e-05	8.86e-06
1973	307	-0.17	0.50	-0.88	-8.15e-04	-6.39e-05	6.94e-06
1973	310	-0.17	0.36	-0.88	-8.08e-04	-6.43e-05	6.71e-06
1974	44	-1.15	-0.08	-1.77	0.0	-1.45e-04	2.01e-05
1974	52	-0.30	0.57	-2.14	0.0	-3.75e-05	7.38e-06
1974	66	-0.16	1.01	-1.22	0.0	-1.39e-05	3.62e-06
1974	124	-8.37	-2.13	-0.78	0.0	-1.16e-03	-3.39e-05
1974	137	3.11	7.50	-1.90	0.0	4.45e-04	1.97e-04
1974	138	1.10	-9.27	-0.42	0.0	1.47e-04	-6.71e-05
1974	156	-9.40	-2.41	-0.74	0.0	-1.30e-03	-3.92e-05
1974	169	3.51	8.50	-2.01	0.0	5.04e-04	2.22e-04
1974	170	1.25	-10.48	-0.33	0.0	1.67e-04	-7.66e-05
1974	188	-9.26	-2.48	-0.74	0.0	-1.28e-03	-4.31e-05
1974	201	3.48	8.76	-2.03	0.0	5.00e-04	2.22e-04
1974	202	1.21	-10.71	-0.30	0.0	1.59e-04	-7.84e-05
1974	220	-10.75	-2.99	-0.67	0.0	-1.49e-03	-5.48e-05
1974	233	4.10	10.44	-2.21	0.0	5.89e-04	2.61e-04
1974	234	1.42	-12.71	-0.15	0.0	1.87e-04	-9.40e-05
1974	264	-0.77	-0.05	-1.23	0.0	-9.79e-05	1.36e-05
1974	268	-0.21	0.38	-1.48	0.0	-2.61e-05	5.11e-06
1974	274	-0.11	0.67	-0.87	0.0	-1.03e-05	2.60e-06

1974	298	-0.18	-0.02	-1.17	0.0	-2.43e-05	3.67e-06
1974	305	-0.29	-0.02	-1.10	0.0	-3.77e-05	5.37e-06
1974	306	-0.11	0.14	-0.74	0.0	-1.35e-05	1.84e-06
1974	310	-0.17	-0.01	-1.11	0.0	-2.28e-05	3.38e-06
1975	44	-1.21	0.51	-2.24	-1.83e-03	-1.61e-04	2.68e-05
1975	52	-0.32	1.31	-2.70	-2.25e-03	-1.20e-04	1.39e-05
1975	68	-0.27	1.61	-2.37	-1.90e-03	-1.06e-04	1.27e-05
1975	124	-8.94	-1.88	-1.07	-1.02e-03	-6.14e-04	-3.80e-05
1975	137	3.33	8.31	-2.21	-1.78e-03	1.53e-04	2.16e-04
1975	139	-1.53	10.15	-2.10	-1.92e-03	-1.52e-04	8.67e-05
1975	156	-10.03	-2.17	-1.02	-1.01e-03	-6.82e-04	-4.43e-05
1975	169	3.77	9.36	-2.31	-1.86e-03	1.81e-04	2.42e-04
1975	171	-1.69	11.43	-2.19	-2.02e-03	-1.63e-04	9.74e-05
1975	188	-9.89	-2.25	-1.02	-1.00e-03	-6.72e-04	-4.85e-05
1975	201	3.73	9.63	-2.33	-1.88e-03	1.77e-04	2.42e-04
1975	203	-1.64	11.67	-2.21	-2.04e-03	-1.60e-04	9.96e-05
1975	220	-11.48	-2.78	-0.95	-9.67e-04	-7.71e-04	-6.20e-05
1975	233	4.39	11.41	-2.51	-2.02e-03	2.19e-04	2.85e-04
1975	235	-1.87	13.78	-2.37	-2.20e-03	-1.75e-04	1.17e-04
1975	264	-0.82	0.36	-1.57	-1.27e-03	-1.11e-04	1.83e-05
1975	268	-0.22	0.89	-1.87	-1.55e-03	-8.40e-05	9.67e-06
1975	276	-0.19	1.09	-1.65	-1.31e-03	-7.42e-05	8.84e-06
1975	298	-0.19	0.38	-1.49	-1.25e-03	-6.85e-05	7.12e-06
1975	305	-0.30	0.35	-1.40	-1.16e-03	-7.25e-05	8.82e-06
1975	307	-0.18	0.50	-1.42	-1.17e-03	-6.51e-05	6.93e-06
1975	310	-0.18	0.36	-1.40	-1.16e-03	-6.54e-05	6.67e-06
1976	44	-0.84	0.41	-1.15	0.0	-3.00e-04	1.63e-04
1976	52	-0.17	0.85	-1.34	0.0	-1.85e-04	1.84e-04
1976	68	-0.14	1.02	-1.17	0.0	-1.52e-04	1.49e-04
1976	123	-5.56	1.98	-0.96	0.0	-1.54e-03	5.43e-06
1976	137	0.50	6.29	-1.01	0.0	3.50e-04	2.69e-04
1976	139	-1.84	5.42	-1.12	0.0	-2.54e-04	1.17e-04
1976	155	-6.24	2.21	-1.00	0.0	-1.72e-03	-5.60e-06
1976	169	0.57	7.09	-1.05	0.0	4.05e-04	2.91e-04
1976	171	-2.05	6.10	-1.17	0.0	-2.72e-04	1.20e-04
1976	187	-6.14	2.27	-1.00	0.0	-1.69e-03	-1.00e-06
1976	201	0.57	7.26	-1.07	0.0	3.92e-04	2.92e-04
1976	203	-2.00	6.26	-1.18	0.0	-2.72e-04	1.23e-04
1976	219	-7.12	2.68	-1.05	0.0	-1.95e-03	-1.45e-05
1976	233	0.69	8.59	-1.14	0.0	4.73e-04	3.27e-04
1976	235	-2.30	7.40	-1.27	0.0	-3.01e-04	1.29e-04
1976	264	-0.56	0.29	-0.80	0.0	-2.05e-04	1.12e-04
1976	268	-0.12	0.57	-0.93	0.0	-1.28e-04	1.26e-04
1976	276	-0.10	0.69	-0.82	0.0	-1.06e-04	1.04e-04
1976	298	-0.11	0.26	-0.75	0.0	-1.09e-04	1.05e-04
1976	305	-0.19	0.25	-0.71	0.0	-1.21e-04	9.92e-05
1976	307	-0.10	0.33	-0.71	0.0	-1.01e-04	9.74e-05
1976	310	-0.10	0.25	-0.71	0.0	-1.02e-04	9.77e-05
1977	44	-0.97	0.37	-1.25	0.0	-2.08e-04	1.57e-04
1977	52	-0.23	0.85	-1.45	0.0	-7.17e-05	1.55e-04
1977	68	-0.19	1.06	-1.28	0.0	-5.80e-05	1.24e-04
1977	123	-6.34	2.20	-1.05	0.0	-1.42e-03	5.25e-05
1977	137	0.54	7.20	-1.11	0.0	3.96e-04	2.33e-04
1977	139	-2.10	6.19	-1.22	0.0	-1.90e-04	9.65e-05
1977	155	-7.11	2.46	-1.09	0.0	-1.60e-03	4.91e-05
1977	169	0.63	8.12	-1.15	0.0	4.49e-04	2.52e-04
1977	171	-2.34	6.98	-1.28	0.0	-2.08e-04	9.84e-05
1977	187	-6.99	2.53	-1.09	0.0	-1.57e-03	5.31e-05
1977	201	0.63	8.32	-1.16	0.0	4.37e-04	2.51e-04
1977	203	-2.28	7.17	-1.29	0.0	-2.08e-04	9.97e-05
1977	219	-8.11	3.00	-1.15	0.0	-1.82e-03	5.06e-05
1977	233	0.76	9.85	-1.24	0.0	5.15e-04	2.81e-04
1977	235	-2.63	8.49	-1.39	0.0	-2.36e-04	1.03e-04
1977	264	-0.65	0.26	-0.88	0.0	-1.41e-04	1.08e-04
1977	268	-0.16	0.57	-1.01	0.0	-5.02e-05	1.07e-04
1977	276	-0.13	0.72	-0.89	0.0	-4.11e-05	8.63e-05
1977	298	-0.14	0.24	-0.81	0.0	-4.47e-05	9.05e-05
1977	305	-0.23	0.22	-0.77	0.0	-6.13e-05	8.77e-05
1977	307	-0.13	0.31	-0.77	0.0	-4.12e-05	8.34e-05
1977	310	-0.13	0.22	-0.77	0.0	-4.24e-05	8.42e-05
1978	44	-1.05	0.39	-1.32	0.0	-1.56e-04	9.78e-05
1978	52	-0.24	0.91	-1.53	0.0	-1.66e-05	5.80e-05
1978	68	-0.19	1.16	-1.35	0.0	-1.35e-05	4.24e-05
1978	123	-7.09	2.45	-1.12	0.0	-1.32e-03	1.69e-04
1978	137	0.63	8.13	-1.17	0.0	4.04e-04	2.41e-05

1978	139	-2.34	7.00	-1.30	0.0	-1.55e-04	-6.41e-05
1978	155	-7.95	2.75	-1.16	0.0	-1.48e-03	1.86e-04
1978	169	0.72	9.17	-1.22	0.0	4.54e-04	2.30e-05
1978	171	-2.61	7.89	-1.36	0.0	-1.72e-04	-7.59e-05
1978	187	-7.82	2.84	-1.16	0.0	-1.45e-03	1.83e-04
1978	201	0.72	9.40	-1.24	0.0	4.43e-04	2.73e-05
1978	203	-2.54	8.10	-1.37	0.0	-1.71e-04	-6.90e-05
1978	219	-9.07	3.36	-1.22	0.0	-1.69e-03	2.08e-04
1978	233	0.87	11.14	-1.32	0.0	5.17e-04	2.78e-05
1978	235	-2.93	9.60	-1.48	0.0	-1.98e-04	-8.47e-05
1978	264	-0.71	0.27	-0.93	0.0	-1.05e-04	6.68e-05
1978	268	-0.16	0.62	-1.06	0.0	-1.23e-05	4.03e-05
1978	276	-0.13	0.78	-0.94	0.0	-1.02e-05	2.98e-05
1978	298	-0.15	0.25	-0.85	0.0	-1.27e-05	3.74e-05
1978	305	-0.25	0.23	-0.81	0.0	-3.06e-05	4.08e-05
1978	307	-0.13	0.33	-0.81	0.0	-1.17e-05	3.34e-05
1978	310	-0.14	0.23	-0.81	0.0	-1.26e-05	3.49e-05
1979	44	-0.78	0.34	-0.79	0.0	-2.34e-04	9.15e-05
1979	52	-0.11	0.76	-0.91	0.0	-1.14e-04	8.95e-05
1979	68	-0.09	0.95	-0.80	0.0	-9.39e-05	7.14e-05
1979	123	-5.55	1.94	-0.62	0.0	-1.43e-03	4.84e-05
1979	137	0.56	6.27	-0.61	0.0	3.68e-04	3.89e-05
1979	143	-2.19	5.89	-0.67	0.0	-3.11e-04	-3.16e-05
1979	155	-6.23	2.17	-0.64	0.0	-1.60e-03	4.87e-05
1979	169	0.64	7.06	-0.62	0.0	4.21e-04	3.75e-05
1979	175	-2.45	6.64	-0.69	0.0	-3.42e-04	-4.18e-05
1979	187	-6.13	2.23	-0.64	0.0	-1.57e-03	5.17e-05
1979	201	0.64	7.24	-0.63	0.0	4.08e-04	3.69e-05
1979	207	-2.40	6.81	-0.69	0.0	-3.41e-04	-4.10e-05
1979	219	-7.12	2.64	-0.67	0.0	-1.82e-03	5.45e-05
1979	233	0.76	8.57	-0.66	0.0	4.84e-04	3.42e-05
1979	239	-2.77	8.06	-0.73	0.0	-3.87e-04	-5.67e-05
1979	264	-0.52	0.24	-0.56	0.0	-1.59e-04	6.29e-05
1979	268	-0.08	0.52	-0.63	0.0	-7.94e-05	6.16e-05
1979	276	-0.06	0.64	-0.56	0.0	-6.58e-05	4.96e-05
1979	298	-0.07	0.22	-0.51	0.0	-6.79e-05	5.22e-05
1979	305	-0.16	0.20	-0.49	0.0	-8.18e-05	5.07e-05
1979	307	-0.06	0.29	-0.49	0.0	-6.31e-05	4.81e-05
1979	310	-0.07	0.20	-0.49	0.0	-6.40e-05	4.86e-05
1980	44	-0.90	0.37	-0.89	0.0	-2.11e-04	1.07e-04
1980	52	-0.17	0.84	-1.01	0.0	-9.12e-05	9.17e-05
1980	68	-0.14	1.05	-0.89	0.0	-7.53e-05	7.19e-05
1980	123	-6.31	2.19	-0.70	0.0	-1.36e-03	7.04e-05
1980	137	0.61	7.19	-0.68	0.0	3.64e-04	4.36e-05
1980	143	-2.51	6.76	-0.74	0.0	-2.88e-04	-2.13e-05
1980	155	-7.09	2.45	-0.72	0.0	-1.52e-03	7.34e-05
1980	169	0.70	8.11	-0.70	0.0	4.15e-04	4.26e-05
1980	175	-2.80	7.62	-0.77	0.0	-3.18e-04	-3.02e-05
1980	187	-6.97	2.53	-0.72	0.0	-1.49e-03	7.84e-05
1980	201	0.70	8.31	-0.70	0.0	4.03e-04	4.34e-05
1980	207	-2.74	7.81	-0.77	0.0	-3.17e-04	-2.73e-05
1980	219	-8.09	3.00	-0.75	0.0	-1.73e-03	8.55e-05
1980	233	0.84	9.85	-0.73	0.0	4.77e-04	4.21e-05
1980	239	-3.16	9.25	-0.81	0.0	-3.61e-04	-4.03e-05
1980	264	-0.61	0.25	-0.62	0.0	-1.44e-04	7.35e-05
1980	268	-0.12	0.57	-0.71	0.0	-6.35e-05	6.33e-05
1980	276	-0.10	0.71	-0.62	0.0	-5.29e-05	5.01e-05
1980	298	-0.11	0.23	-0.57	0.0	-5.46e-05	5.48e-05
1980	305	-0.20	0.22	-0.54	0.0	-6.89e-05	5.48e-05
1980	307	-0.10	0.31	-0.54	0.0	-5.08e-05	5.01e-05
1980	310	-0.10	0.22	-0.54	0.0	-5.16e-05	5.10e-05
1981	44	-1.01	0.39	-0.94	0.0	-1.90e-04	7.99e-05
1981	52	-0.21	0.91	-1.07	0.0	-7.27e-05	4.06e-05
1981	68	-0.17	1.16	-0.94	0.0	-6.08e-05	2.84e-05
1981	123	-7.02	2.45	-0.75	0.0	-1.25e-03	1.58e-04
1981	137	0.66	8.13	-0.72	0.0	3.47e-04	1.56e-05
1981	143	-2.79	7.64	-0.79	0.0	-2.60e-04	-4.88e-06
1981	155	-7.87	2.75	-0.77	0.0	-1.40e-03	1.75e-04
1981	169	0.76	9.17	-0.74	0.0	3.94e-04	1.47e-05
1981	175	-3.12	8.61	-0.82	0.0	-2.87e-04	-8.32e-06
1981	187	-7.75	2.84	-0.77	0.0	-1.38e-03	1.72e-04
1981	201	0.76	9.40	-0.75	0.0	3.83e-04	1.91e-05
1981	207	-3.05	8.83	-0.83	0.0	-2.87e-04	-3.74e-06
1981	219	-8.99	3.36	-0.80	0.0	-1.59e-03	1.97e-04
1981	233	0.92	11.14	-0.78	0.0	4.52e-04	1.97e-05

1981	239	-3.52	10.46	-0.87	0.0	-3.27e-04	-7.18e-06
1981	264	-0.68	0.27	-0.66	0.0	-1.29e-04	5.44e-05
1981	268	-0.15	0.62	-0.75	0.0	-5.07e-05	2.83e-05
1981	276	-0.12	0.78	-0.66	0.0	-4.28e-05	2.01e-05
1981	298	-0.13	0.25	-0.61	0.0	-4.35e-05	2.72e-05
1981	305	-0.23	0.23	-0.58	0.0	-5.79e-05	3.09e-05
1981	307	-0.12	0.33	-0.58	0.0	-4.06e-05	2.40e-05
1981	310	-0.12	0.23	-0.58	0.0	-4.12e-05	2.53e-05
1982	28	-0.50	0.36	-0.65	0.0	-1.71e-04	4.63e-05
1982	44	-0.75	0.31	-0.57	0.0	-2.07e-04	4.74e-05
1982	68	-0.07	0.92	-0.56	0.0	-7.85e-05	2.41e-05
1982	123	-5.53	1.92	-0.42	0.0	-1.41e-03	3.97e-05
1982	137	0.60	6.26	-0.33	0.0	3.82e-04	1.20e-05
1982	155	-6.21	2.15	-0.43	0.0	-1.58e-03	4.28e-05
1982	169	0.68	7.06	-0.33	0.0	4.35e-04	1.11e-05
1982	187	-6.11	2.21	-0.43	0.0	-1.55e-03	4.64e-05
1982	201	0.68	7.23	-0.33	0.0	4.22e-04	1.24e-05
1982	219	-7.09	2.62	-0.44	0.0	-1.80e-03	5.31e-05
1982	233	0.80	8.57	-0.32	0.0	5.00e-04	1.16e-05
1982	256	-0.34	0.25	-0.45	0.0	-1.17e-04	3.16e-05
1982	264	-0.51	0.22	-0.40	0.0	-1.41e-04	3.24e-05
1982	276	-0.05	0.62	-0.39	0.0	-5.50e-05	1.68e-05
1982	298	-0.06	0.19	-0.37	0.0	-5.57e-05	2.00e-05
1982	305	-0.14	0.18	-0.35	0.0	-6.91e-05	2.11e-05
1982	307	-0.05	0.27	-0.35	0.0	-5.20e-05	1.80e-05
1982	310	-0.05	0.18	-0.35	0.0	-5.26e-05	1.86e-05
1983	28	-0.59	0.42	-0.73	0.0	-1.71e-04	6.27e-05
1983	44	-0.87	0.36	-0.64	0.0	-2.06e-04	6.61e-05
1983	68	-0.12	1.05	-0.63	0.0	-7.97e-05	3.03e-05
1983	123	-6.27	2.19	-0.47	0.0	-1.33e-03	2.90e-05
1983	137	0.65	7.19	-0.37	0.0	9.58e-05	1.83e-05
1983	155	-7.04	2.45	-0.48	0.0	-1.49e-03	3.01e-05
1983	169	0.74	8.11	-0.36	0.0	1.14e-04	1.76e-05
1983	187	-6.93	2.53	-0.48	0.0	-1.47e-03	3.41e-05
1983	201	0.74	8.31	-0.37	0.0	1.14e-04	2.02e-05
1983	219	-8.04	3.00	-0.49	0.0	-1.70e-03	3.81e-05
1983	233	0.88	9.84	-0.36	0.0	1.43e-04	2.04e-05
1983	256	-0.40	0.29	-0.51	0.0	-1.17e-04	4.28e-05
1983	264	-0.58	0.25	-0.45	0.0	-1.40e-04	4.51e-05
1983	276	-0.08	0.71	-0.44	0.0	-5.59e-05	2.13e-05
1983	298	-0.09	0.23	-0.41	0.0	-5.61e-05	2.62e-05
1983	305	-0.18	0.22	-0.40	0.0	-6.93e-05	2.82e-05
1983	307	-0.08	0.31	-0.39	0.0	-5.25e-05	2.34e-05
1983	310	-0.08	0.21	-0.39	0.0	-5.30e-05	2.44e-05
1984	28	-0.69	0.45	-0.77	0.0	-1.67e-04	5.32e-05
1984	44	-0.98	0.39	-0.68	0.0	-2.01e-04	6.24e-05
1984	68	-0.16	1.16	-0.67	0.0	-7.81e-05	1.67e-05
1984	123	-6.96	2.45	-0.50	0.0	-1.23e-03	1.40e-04
1984	137	0.70	8.13	-0.39	0.0	8.93e-05	9.46e-06
1984	155	-7.81	2.75	-0.51	0.0	-1.38e-03	1.55e-04
1984	169	0.80	9.17	-0.39	0.0	1.07e-04	8.77e-06
1984	187	-7.68	2.84	-0.51	0.0	-1.35e-03	1.52e-04
1984	201	0.80	9.40	-0.39	0.0	1.06e-04	1.29e-05
1984	219	-8.91	3.36	-0.52	0.0	-1.56e-03	1.76e-04
1984	233	0.95	11.13	-0.38	0.0	1.33e-04	1.37e-05
1984	256	-0.46	0.31	-0.54	0.0	-1.14e-04	3.63e-05
1984	264	-0.66	0.27	-0.48	0.0	-1.37e-04	4.24e-05
1984	276	-0.11	0.78	-0.47	0.0	-5.47e-05	1.19e-05
1984	298	-0.12	0.25	-0.44	0.0	-5.45e-05	1.82e-05
1984	305	-0.22	0.23	-0.42	0.0	-6.74e-05	2.19e-05
1984	307	-0.11	0.34	-0.42	0.0	-5.10e-05	1.58e-05
1984	310	-0.11	0.23	-0.42	0.0	-5.15e-05	1.70e-05
1985	44	-0.74	0.30	-0.43	0.0	-1.90e-04	2.93e-05
1985	68	-0.07	0.91	-0.40	0.0	-7.18e-05	5.29e-06
1985	76	-0.10	0.14	-0.49	0.0	-8.72e-05	1.36e-05
1985	123	-5.50	1.91	-0.27	0.0	-1.38e-03	8.35e-05
1985	137	0.62	6.26	-0.10	0.0	1.10e-04	0.0
1985	144	-1.04	-5.41	-0.44	0.0	-2.90e-04	6.67e-05
1985	155	-6.18	2.14	-0.27	0.0	-1.54e-03	9.31e-05
1985	169	0.71	7.06	-0.07	0.0	1.30e-04	0.0
1985	176	-1.17	-6.14	-0.46	0.0	-3.21e-04	7.40e-05
1985	187	-6.08	2.20	-0.27	0.0	-1.52e-03	9.18e-05
1985	201	0.70	7.23	-0.07	0.0	1.29e-04	1.39e-06
1985	204	-0.80	-6.89	-0.46	0.0	-2.23e-04	1.19e-05
1985	219	-7.05	2.61	-0.27	0.0	-1.76e-03	1.07e-04

1985	233	0.83	8.57	-0.03	0.0	1.59e-04	0.0
1985	236	-0.93	-8.22	-0.50	0.0	-2.53e-04	1.24e-05
1985	264	-0.50	0.21	-0.31	0.0	-1.29e-04	1.98e-05
1985	276	-0.05	0.61	-0.28	0.0	-5.03e-05	3.81e-06
1985	280	-0.07	0.10	-0.34	0.0	-6.06e-05	9.34e-06
1985	298	-0.05	0.18	-0.28	0.0	-4.96e-05	7.20e-06
1985	305	-0.14	0.18	-0.27	0.0	-6.23e-05	9.26e-06
1985	307	-0.05	0.26	-0.26	0.0	-4.65e-05	6.06e-06
1985	310	-0.05	0.17	-0.27	0.0	-4.69e-05	6.67e-06
1986	28	-0.57	0.42	-0.55	0.0	-1.63e-04	3.89e-05
1986	44	-0.84	0.36	-0.49	0.0	-1.96e-04	4.62e-05
1986	68	-0.11	1.05	-0.45	0.0	-7.75e-05	1.13e-05
1986	123	-6.23	2.19	-0.31	0.0	-1.31e-03	1.15e-04
1986	137	0.68	7.19	-0.12	0.0	1.02e-04	5.96e-06
1986	144	-1.20	-6.20	-0.48	0.0	-2.81e-04	7.99e-05
1986	155	-7.00	2.45	-0.31	0.0	-1.47e-03	1.27e-04
1986	169	0.77	8.11	-0.10	0.0	1.20e-04	5.37e-06
1986	176	-1.34	-7.04	-0.50	0.0	-3.10e-04	8.81e-05
1986	187	-6.88	2.53	-0.30	0.0	-1.45e-03	1.25e-04
1986	201	0.77	8.31	-0.09	0.0	1.20e-04	8.50e-06
1986	208	-1.33	-7.23	-0.51	0.0	-3.09e-04	8.30e-05
1986	219	-7.99	3.00	-0.30	0.0	-1.67e-03	1.45e-04
1986	233	0.91	9.84	-0.05	0.0	1.49e-04	9.02e-06
1986	240	-1.54	-8.65	-0.55	0.0	-3.51e-04	9.37e-05
1986	256	-0.39	0.29	-0.38	0.0	-1.11e-04	2.65e-05
1986	264	-0.57	0.25	-0.34	0.0	-1.33e-04	3.13e-05
1986	276	-0.08	0.71	-0.32	0.0	-5.43e-05	8.10e-06
1986	298	-0.08	0.23	-0.31	0.0	-5.36e-05	1.29e-05
1986	305	-0.17	0.22	-0.30	0.0	-6.60e-05	1.58e-05
1986	307	-0.08	0.31	-0.30	0.0	-5.02e-05	1.11e-05
1986	310	-0.08	0.21	-0.30	0.0	-5.06e-05	1.20e-05
1987	28	-0.67	0.45	-0.58	0.0	-1.67e-04	4.29e-05
1987	44	-0.95	0.39	-0.52	0.0	-2.00e-04	5.23e-05
1987	68	-0.15	1.16	-0.48	0.0	-8.02e-05	1.07e-05
1987	123	-6.91	2.46	-0.33	0.0	-1.23e-03	1.24e-04
1987	137	0.73	8.13	-0.13	0.0	9.35e-05	6.74e-06
1987	144	-1.35	-7.03	-0.51	0.0	-2.67e-04	8.64e-05
1987	155	-7.76	2.75	-0.33	0.0	-1.37e-03	1.38e-04
1987	169	0.83	9.17	-0.11	0.0	1.12e-04	6.22e-06
1987	176	-1.50	-7.99	-0.54	0.0	-2.93e-04	9.52e-05
1987	187	-7.63	2.84	-0.33	0.0	-1.35e-03	1.36e-04
1987	201	0.83	9.40	-0.10	0.0	1.11e-04	9.91e-06
1987	208	-1.49	-8.21	-0.54	0.0	-2.92e-04	8.93e-05
1987	219	-8.85	3.36	-0.33	0.0	-1.56e-03	1.58e-04
1987	233	0.99	11.13	-0.06	0.0	1.39e-04	1.08e-05
1987	240	-1.72	-9.81	-0.58	0.0	-3.31e-04	1.01e-04
1987	256	-0.45	0.31	-0.41	0.0	-1.14e-04	2.92e-05
1987	264	-0.64	0.27	-0.37	0.0	-1.36e-04	3.55e-05
1987	276	-0.11	0.78	-0.34	0.0	-5.61e-05	7.74e-06
1987	298	-0.11	0.25	-0.34	0.0	-5.56e-05	1.34e-05
1987	305	-0.21	0.23	-0.32	0.0	-6.81e-05	1.70e-05
1987	307	-0.10	0.34	-0.32	0.0	-5.21e-05	1.14e-05
1987	310	-0.11	0.23	-0.32	0.0	-5.25e-05	1.25e-05
1988	44	-1.11	0.41	-1.38	0.0	-1.39e-04	2.35e-05
1988	52	-0.22	0.99	-1.60	0.0	-1.40e-05	-5.64e-05
1988	68	-0.17	1.26	-1.41	0.0	-1.29e-05	-5.37e-05
1988	123	-7.72	2.70	-1.17	0.0	-1.17e-03	2.69e-04
1988	137	2.28	9.01	-1.23	0.0	3.60e-04	-1.24e-04
1988	139	-0.97	7.75	-1.36	0.0	-1.41e-04	-6.49e-05
1988	155	-8.67	3.03	-1.22	0.0	-1.31e-03	3.05e-04
1988	169	2.57	10.16	-1.28	0.0	4.05e-04	-1.35e-04
1988	171	-1.07	8.74	-1.43	0.0	-1.57e-04	-6.99e-05
1988	187	-8.53	3.13	-1.22	0.0	-1.29e-03	2.99e-04
1988	201	2.50	10.42	-1.29	0.0	3.94e-04	-1.26e-04
1988	203	-1.07	8.98	-1.44	0.0	-1.57e-04	-6.58e-05
1988	219	-9.89	3.71	-1.28	0.0	-1.49e-03	3.53e-04
1988	233	2.92	12.34	-1.38	0.0	4.59e-04	-1.40e-04
1988	235	-1.24	10.64	-1.55	0.0	-1.82e-04	-7.12e-05
1988	264	-0.75	0.29	-0.97	0.0	-9.35e-05	1.51e-05
1988	268	-0.15	0.67	-1.11	0.0	-1.04e-05	-3.82e-05
1988	276	-0.12	0.85	-0.98	0.0	-9.62e-06	-3.64e-05
1988	298	-0.14	0.26	-0.89	0.0	-9.79e-06	-2.57e-05
1988	305	-0.25	0.25	-0.85	0.0	-2.62e-05	-1.55e-05
1988	307	-0.13	0.36	-0.85	0.0	-9.38e-06	-2.57e-05
1988	310	-0.13	0.24	-0.84	0.0	-9.87e-06	-2.37e-05

1989	44	-1.17	0.45	-1.45	0.0	-1.51e-04	-5.53e-05
1989	52	-0.22	1.07	-1.67	0.0	-5.38e-05	-1.72e-04
1989	68	-0.17	1.36	-1.48	0.0	-4.77e-05	-1.51e-04
1989	123	-8.25	2.94	-1.23	0.0	-1.00e-03	3.62e-04
1989	137	2.44	9.83	-1.29	0.0	7.76e-05	-2.32e-04
1989	139	-1.03	8.46	-1.43	0.0	-3.48e-04	-1.52e-04
1989	155	-9.25	3.30	-1.28	0.0	-1.12e-03	4.17e-04
1989	169	2.76	11.08	-1.34	0.0	9.07e-05	-2.50e-04
1989	171	-1.14	9.54	-1.50	0.0	-3.87e-04	-1.61e-04
1989	187	-9.11	3.40	-1.28	0.0	-1.10e-03	4.07e-04
1989	201	2.68	11.36	-1.35	0.0	9.07e-05	-2.42e-04
1989	203	-1.14	9.80	-1.51	0.0	-3.77e-04	-1.59e-04
1989	219	-10.57	4.04	-1.35	0.0	-1.28e-03	4.88e-04
1989	233	3.13	13.47	-1.44	0.0	1.12e-04	-2.67e-04
1989	235	-1.32	11.61	-1.62	0.0	-4.33e-04	-1.72e-04
1989	264	-0.79	0.31	-1.02	0.0	-1.03e-04	-3.98e-05
1989	268	-0.15	0.72	-1.17	0.0	-3.75e-05	-1.18e-04
1989	276	-0.12	0.92	-1.03	0.0	-3.35e-05	-1.03e-04
1989	298	-0.14	0.28	-0.93	0.0	-3.04e-05	-8.99e-05
1989	305	-0.26	0.27	-0.89	0.0	-4.29e-05	-7.32e-05
1989	307	-0.13	0.39	-0.89	0.0	-2.91e-05	-8.59e-05
1989	310	-0.13	0.26	-0.88	0.0	-2.89e-05	-8.33e-05
1990	44	-1.10	0.42	-0.98	0.0	-1.78e-04	3.69e-05
1990	52	-0.24	0.99	-1.12	0.0	-6.74e-05	-2.41e-05
1990	68	-0.19	1.26	-0.99	0.0	-5.73e-05	-2.58e-05
1990	123	-7.61	2.71	-0.78	0.0	-1.13e-03	2.09e-04
1990	137	0.72	9.01	-0.76	0.0	9.17e-05	-3.05e-05
1990	143	-3.03	8.46	-0.83	0.0	-4.62e-04	-1.80e-05
1990	155	-8.54	3.03	-0.81	0.0	-1.27e-03	2.36e-04
1990	169	0.82	10.16	-0.78	0.0	1.08e-04	-3.29e-05
1990	175	-3.39	9.54	-0.86	0.0	-5.15e-04	-1.88e-05
1990	187	-8.40	3.13	-0.81	0.0	-1.25e-03	2.32e-04
1990	201	0.82	10.42	-0.79	0.0	1.07e-04	-2.70e-05
1990	207	-3.32	9.79	-0.87	0.0	-5.04e-04	-1.22e-05
1990	219	-9.74	3.71	-0.84	0.0	-1.45e-03	2.73e-04
1990	233	0.99	12.35	-0.82	0.0	1.33e-04	-2.77e-05
1990	239	-3.82	11.60	-0.92	0.0	-5.79e-04	-1.07e-05
1990	264	-0.74	0.29	-0.69	0.0	-1.21e-04	2.45e-05
1990	268	-0.17	0.67	-0.78	0.0	-4.71e-05	-1.61e-05
1990	276	-0.14	0.85	-0.69	0.0	-4.03e-05	-1.73e-05
1990	298	-0.15	0.26	-0.63	0.0	-3.97e-05	-8.64e-06
1990	305	-0.26	0.25	-0.60	0.0	-5.34e-05	-1.21e-06
1990	307	-0.14	0.36	-0.60	0.0	-3.73e-05	-9.57e-06
1990	310	-0.14	0.25	-0.60	0.0	-3.77e-05	-7.93e-06
1991	44	-1.18	0.46	-1.03	0.0	-1.74e-04	-1.84e-06
1991	52	-0.27	1.08	-1.17	0.0	-7.21e-05	-7.24e-05
1991	68	-0.22	1.37	-1.03	0.0	-6.20e-05	-6.56e-05
1991	123	-8.14	2.95	-0.82	0.0	-1.03e-03	2.03e-04
1991	137	0.76	9.85	-0.79	0.0	7.97e-05	-5.75e-05
1991	143	-3.25	9.25	-0.87	0.0	-4.25e-04	-4.31e-05
1991	155	-9.13	3.31	-0.85	0.0	-1.15e-03	2.33e-04
1991	169	0.87	11.11	-0.81	0.0	9.44e-05	-6.00e-05
1991	175	-3.63	10.43	-0.90	0.0	-4.72e-04	-4.37e-05
1991	187	-8.98	3.42	-0.85	0.0	-1.13e-03	2.29e-04
1991	201	0.87	11.39	-0.82	0.0	9.41e-05	-5.35e-05
1991	207	-3.55	10.70	-0.91	0.0	-4.62e-04	-3.65e-05
1991	219	-10.42	4.05	-0.88	0.0	-1.31e-03	2.73e-04
1991	233	1.05	13.49	-0.86	0.0	1.17e-04	-5.42e-05
1991	239	-4.09	12.67	-0.96	0.0	-5.30e-04	-3.45e-05
1991	264	-0.80	0.32	-0.72	0.0	-1.18e-04	-2.34e-06
1991	268	-0.19	0.73	-0.82	0.0	-5.02e-05	-4.94e-05
1991	276	-0.16	0.93	-0.72	0.0	-4.35e-05	-4.49e-05
1991	298	-0.17	0.29	-0.66	0.0	-4.16e-05	-3.61e-05
1991	305	-0.28	0.27	-0.63	0.0	-5.42e-05	-2.66e-05
1991	307	-0.15	0.39	-0.63	0.0	-3.93e-05	-3.51e-05
1991	310	-0.16	0.27	-0.63	0.0	-3.94e-05	-3.35e-05
1992	28	-0.77	0.49	-0.81	0.0	-1.60e-04	3.16e-05
1992	44	-1.08	0.42	-0.72	0.0	-1.94e-04	4.63e-05
1992	68	-0.20	1.27	-0.70	0.0	-7.41e-05	-3.30e-06
1992	123	-7.54	2.71	-0.53	0.0	-1.13e-03	1.46e-04
1992	137	0.74	9.02	-0.41	0.0	8.51e-05	-4.13e-06
1992	155	-8.46	3.04	-0.54	0.0	-1.27e-03	1.63e-04
1992	169	0.85	10.17	-0.40	0.0	1.02e-04	-4.91e-06
1992	187	-8.33	3.13	-0.54	0.0	-1.25e-03	1.61e-04
1992	201	0.85	10.43	-0.40	0.0	1.01e-04	0.0

1992	219	-9.66	3.72	-0.55	0.0	-1.44e-03	1.88e-04
1992	233	1.02	12.35	-0.40	0.0	1.27e-04	0.0
1992	256	-0.52	0.34	-0.57	0.0	-1.09e-04	2.14e-05
1992	264	-0.72	0.29	-0.50	0.0	-1.32e-04	3.12e-05
1992	276	-0.14	0.85	-0.49	0.0	-5.19e-05	-1.86e-06
1992	298	-0.15	0.26	-0.46	0.0	-5.14e-05	4.86e-06
1992	305	-0.25	0.25	-0.44	0.0	-6.42e-05	9.93e-06
1992	307	-0.14	0.36	-0.44	0.0	-4.82e-05	3.31e-06
1992	310	-0.14	0.25	-0.44	0.0	-4.85e-05	4.58e-06
1993	28	-0.85	0.54	-0.85	0.0	-1.52e-04	1.21e-05
1993	44	-1.17	0.47	-0.75	0.0	-1.87e-04	2.90e-05
1993	68	-0.24	1.39	-0.73	0.0	-6.83e-05	-1.71e-05
1993	123	-8.08	2.97	-0.55	0.0	-1.05e-03	1.34e-04
1993	137	0.78	9.89	-0.42	0.0	8.35e-05	-1.36e-05
1993	155	-9.06	3.33	-0.56	0.0	-1.17e-03	1.52e-04
1993	169	0.90	11.15	-0.42	0.0	9.92e-05	-1.45e-05
1993	187	-8.91	3.43	-0.56	0.0	-1.15e-03	1.50e-04
1993	201	0.89	11.43	-0.42	0.0	9.84e-05	-9.93e-06
1993	219	-10.34	4.07	-0.58	0.0	-1.33e-03	1.77e-04
1993	233	1.08	13.54	-0.41	0.0	1.23e-04	-9.15e-06
1993	256	-0.57	0.37	-0.59	0.0	-1.04e-04	8.01e-06
1993	264	-0.79	0.32	-0.53	0.0	-1.27e-04	1.93e-05
1993	276	-0.17	0.94	-0.52	0.0	-4.79e-05	-1.15e-05
1993	298	-0.17	0.29	-0.48	0.0	-4.71e-05	-5.36e-06
1993	305	-0.28	0.28	-0.46	0.0	-6.01e-05	0.0
1993	307	-0.16	0.40	-0.46	0.0	-4.42e-05	-6.09e-06
1993	310	-0.16	0.27	-0.46	0.0	-4.46e-05	-4.94e-06
1994	28	-0.75	0.49	-0.61	0.0	-1.66e-04	3.82e-05
1994	44	-1.05	0.42	-0.55	0.0	-1.99e-04	4.89e-05
1994	68	-0.20	1.27	-0.51	0.0	-7.77e-05	6.32e-06
1994	123	-7.50	2.71	-0.35	0.0	-1.14e-03	1.80e-05
1994	137	0.77	9.02	-0.14	0.0	8.91e-05	5.10e-06
1994	144	-1.48	-7.82	-0.54	0.0	-2.49e-04	5.75e-05
1994	155	-8.42	3.04	-0.35	0.0	-1.28e-03	1.95e-05
1994	169	0.89	10.17	-0.11	0.0	1.06e-04	4.70e-06
1994	176	-1.64	-8.88	-0.57	0.0	-2.74e-04	6.32e-05
1994	187	-8.28	3.14	-0.35	0.0	-1.25e-03	2.41e-05
1994	201	0.88	10.43	-0.10	0.0	1.05e-04	8.21e-06
1994	208	-1.64	-9.12	-0.57	0.0	-2.73e-04	5.95e-05
1994	219	-9.60	3.72	-0.34	0.0	-1.45e-03	2.92e-05
1994	233	1.06	12.36	-0.06	0.0	1.32e-04	9.12e-06
1994	240	-1.88	-10.90	-0.61	0.0	-3.09e-04	6.70e-05
1994	256	-0.51	0.34	-0.43	0.0	-1.13e-04	2.60e-05
1994	264	-0.71	0.29	-0.39	0.0	-1.36e-04	3.31e-05
1994	276	-0.14	0.86	-0.36	0.0	-5.44e-05	4.72e-06
1994	298	-0.14	0.27	-0.35	0.0	-5.42e-05	1.04e-05
1994	305	-0.25	0.25	-0.34	0.0	-6.69e-05	1.43e-05
1994	307	-0.13	0.36	-0.33	0.0	-5.07e-05	8.64e-06
1994	310	-0.13	0.25	-0.34	0.0	-5.11e-05	9.71e-06
1995	28	-0.83	0.55	-0.64	0.0	-1.59e-04	2.98e-05
1995	44	-1.15	0.48	-0.57	0.0	-1.95e-04	4.02e-05
1995	68	-0.23	1.40	-0.53	0.0	-7.10e-05	2.18e-06
1995	123	-8.04	2.99	-0.36	0.0	-1.06e-03	3.70e-05
1995	137	0.82	9.95	-0.14	0.0	2.99e-04	2.25e-06
1995	144	-1.59	-8.60	-0.57	0.0	-4.42e-04	6.81e-05
1995	155	-9.02	3.35	-0.36	0.0	-1.19e-03	4.15e-05
1995	169	0.94	11.22	-0.11	0.0	3.41e-04	1.82e-06
1995	176	-1.77	-9.77	-0.60	0.0	-4.91e-04	7.58e-05
1995	187	-8.88	3.46	-0.36	0.0	-1.17e-03	4.64e-05
1995	201	0.93	11.50	-0.10	0.0	3.32e-04	4.55e-06
1995	208	-1.77	-10.04	-0.61	0.0	-4.82e-04	7.29e-05
1995	219	-10.29	4.10	-0.36	0.0	-1.35e-03	5.61e-05
1995	233	1.12	13.62	-0.05	0.0	3.95e-04	4.99e-06
1995	240	-2.03	-12.01	-0.65	0.0	-5.52e-04	8.36e-05
1995	256	-0.56	0.38	-0.45	0.0	-1.09e-04	2.02e-05
1995	264	-0.78	0.33	-0.41	0.0	-1.33e-04	2.71e-05
1995	276	-0.16	0.95	-0.38	0.0	-4.98e-05	1.82e-06
1995	298	-0.17	0.30	-0.37	0.0	-5.00e-05	6.71e-06
1995	305	-0.28	0.29	-0.35	0.0	-6.33e-05	1.04e-05
1995	307	-0.16	0.41	-0.35	0.0	-4.67e-05	5.34e-06
1995	310	-0.16	0.28	-0.35	0.0	-4.72e-05	6.26e-06
1996	44	-1.25	0.45	-1.55	0.0	-1.78e-04	-6.92e-05
1996	52	-0.26	1.10	-1.78	0.0	-1.08e-04	-1.46e-04
1996	68	-0.21	1.43	-1.57	0.0	-9.42e-05	-1.26e-04
1996	123	-8.70	2.55	-1.31	0.0	-8.74e-04	1.41e-04

1996	137	0.79	10.47	-1.35	0.0	1.58e-05	-9.04e-05
1996	139	-2.87	9.01	-1.50	0.0	-3.46e-04	-1.87e-04
1996	155	-9.76	2.85	-1.36	0.0	-9.75e-04	1.67e-04
1996	169	0.91	11.81	-1.41	0.0	2.44e-05	-9.22e-05
1996	171	-3.20	10.16	-1.57	0.0	-3.81e-04	-2.00e-04
1996	187	-9.60	2.96	-1.36	0.0	-9.61e-04	1.65e-04
1996	201	0.91	12.11	-1.42	0.0	2.31e-05	-8.55e-05
1996	203	-3.12	10.44	-1.59	0.0	-3.74e-04	-1.90e-04
1996	219	-11.14	3.52	-1.43	0.0	-1.11e-03	2.05e-04
1996	233	1.10	14.36	-1.52	0.0	3.63e-05	-8.48e-05
1996	235	-3.60	12.38	-1.71	0.0	-4.27e-04	-2.07e-04
1996	264	-0.84	0.31	-1.09	0.0	-1.21e-04	-4.90e-05
1996	268	-0.18	0.75	-1.24	0.0	-7.46e-05	-1.00e-04
1996	276	-0.15	0.96	-1.10	0.0	-6.55e-05	-8.68e-05
1996	298	-0.16	0.28	-0.99	0.0	-5.94e-05	-7.85e-05
1996	305	-0.29	0.27	-0.95	0.0	-6.78e-05	-6.70e-05
1996	307	-0.15	0.40	-0.95	0.0	-5.66e-05	-7.45e-05
1996	310	-0.15	0.26	-0.94	0.0	-5.59e-05	-7.31e-05
1997	44	-1.36	0.73	-1.74	0.0	-3.48e-04	8.22e-05
1997	52	-0.36	1.45	-1.99	0.0	-3.59e-04	8.72e-05
1997	68	-0.29	1.74	-1.75	0.0	-3.04e-04	7.00e-05
1997	123	-9.08	3.44	-1.44	0.0	-7.19e-04	9.86e-05
1997	137	0.78	11.13	-1.47	0.0	-1.76e-04	2.38e-04
1997	139	-3.03	9.60	-1.62	0.0	-3.98e-04	6.37e-05
1997	155	-10.18	3.84	-1.49	0.0	-7.85e-04	1.06e-04
1997	169	0.90	12.54	-1.52	0.0	-1.75e-04	2.62e-04
1997	171	-3.38	10.81	-1.70	0.0	-4.24e-04	6.63e-05
1997	187	-10.02	3.96	-1.49	0.0	-7.75e-04	1.09e-04
1997	201	0.90	12.85	-1.54	0.0	-1.77e-04	2.59e-04
1997	203	-3.29	11.10	-1.71	0.0	-4.21e-04	6.63e-05
1997	219	-11.62	4.67	-1.57	0.0	-8.72e-04	1.23e-04
1997	233	1.10	15.20	-1.63	0.0	-1.76e-04	2.96e-04
1997	235	-3.79	13.13	-1.83	0.0	-4.60e-04	7.06e-05
1997	264	-0.92	0.51	-1.22	0.0	-2.41e-04	5.64e-05
1997	268	-0.25	0.99	-1.39	0.0	-2.48e-04	5.97e-05
1997	276	-0.21	1.18	-1.23	0.0	-2.11e-04	4.83e-05
1997	298	-0.21	0.46	-1.11	0.0	-2.02e-04	4.96e-05
1997	305	-0.34	0.44	-1.06	0.0	-1.96e-04	4.74e-05
1997	307	-0.20	0.57	-1.06	0.0	-1.90e-04	4.57e-05
1997	310	-0.20	0.43	-1.05	0.0	-1.89e-04	4.58e-05
1998	44	-1.27	0.51	-1.08	0.0	-1.74e-04	-1.26e-05
1998	52	-0.31	1.17	-1.23	0.0	-7.98e-05	-6.55e-05
1998	68	-0.26	1.48	-1.08	0.0	-6.90e-05	-5.82e-05
1998	123	-8.62	3.15	-0.86	0.0	-9.52e-04	1.51e-04
1998	137	0.80	10.50	-0.83	0.0	6.72e-05	-4.53e-05
1998	143	-3.45	9.86	-0.92	0.0	-3.98e-04	-6.55e-05
1998	155	-9.67	3.53	-0.89	0.0	-1.06e-03	1.74e-04
1998	169	0.92	11.84	-0.85	0.0	8.08e-05	-4.66e-05
1998	175	-3.85	11.12	-0.95	0.0	-4.42e-04	-6.92e-05
1998	187	-9.51	3.64	-0.89	0.0	-1.05e-03	1.72e-04
1998	201	0.91	12.14	-0.86	0.0	8.03e-05	-4.10e-05
1998	207	-3.77	11.41	-0.95	0.0	-4.33e-04	-6.29e-05
1998	219	-11.03	4.32	-0.93	0.0	-1.21e-03	2.07e-04
1998	233	1.10	14.39	-0.90	0.0	1.02e-04	-4.05e-05
1998	239	-4.34	13.51	-1.01	0.0	-4.96e-04	-6.63e-05
1998	264	-0.85	0.35	-0.76	0.0	-1.18e-04	-9.55e-06
1998	268	-0.22	0.79	-0.86	0.0	-5.54e-05	-4.48e-05
1998	276	-0.18	1.00	-0.76	0.0	-4.83e-05	-4.00e-05
1998	298	-0.19	0.32	-0.69	0.0	-4.53e-05	-3.38e-05
1998	305	-0.31	0.30	-0.66	0.0	-5.69e-05	-2.65e-05
1998	307	-0.17	0.43	-0.66	0.0	-4.29e-05	-3.26e-05
1998	310	-0.18	0.30	-0.66	0.0	-4.29e-05	-3.15e-05
1999	28	-0.99	0.84	-1.34	0.0	-2.76e-04	5.99e-05
1999	44	-1.36	0.73	-1.18	0.0	-2.60e-04	5.50e-05
1999	68	-0.29	1.74	-1.18	0.0	-2.12e-04	4.06e-05
1999	123	-9.06	3.44	-0.93	0.0	-7.71e-04	8.42e-05
1999	137	0.82	11.13	-0.90	0.0	-8.39e-05	2.15e-04
1999	143	-3.63	10.46	-0.99	0.0	-3.98e-04	1.23e-04
1999	155	-10.16	3.84	-0.96	0.0	-8.51e-04	9.18e-05
1999	169	0.95	12.54	-0.93	0.0	-7.82e-05	2.38e-04
1999	175	-4.05	11.78	-1.02	0.0	-4.31e-04	1.35e-04
1999	187	-10.00	3.95	-0.96	0.0	-8.39e-04	9.52e-05
1999	201	0.95	12.85	-0.93	0.0	-7.90e-05	2.35e-04
1999	207	-3.97	12.08	-1.03	0.0	-4.25e-04	1.33e-04
1999	219	-11.59	4.67	-1.00	0.0	-9.54e-04	1.10e-04

1999	233	1.15	15.20	-0.98	0.0	-7.03e-05	2.71e-04
1999	239	-4.57	14.29	-1.09	0.0	-4.72e-04	1.52e-04
1999	256	-0.67	0.58	-0.94	0.0	-1.90e-04	4.09e-05
1999	264	-0.91	0.51	-0.83	0.0	-1.80e-04	3.76e-05
1999	276	-0.21	1.18	-0.83	0.0	-1.48e-04	2.81e-05
1999	298	-0.21	0.46	-0.76	0.0	-1.39e-04	2.95e-05
1999	305	-0.34	0.44	-0.72	0.0	-1.38e-04	2.90e-05
1999	307	-0.20	0.57	-0.72	0.0	-1.31e-04	2.71e-05
1999	310	-0.20	0.43	-0.72	0.0	-1.31e-04	2.73e-05
2000	28	-0.92	0.63	-0.89	0.0	-1.44e-04	4.55e-06
2000	44	-1.26	0.54	-0.79	0.0	-1.80e-04	1.82e-05
2000	68	-0.27	1.51	-0.77	0.0	-6.23e-05	-1.66e-05
2000	123	-8.57	3.18	-0.58	0.0	-9.89e-04	1.13e-04
2000	137	0.82	10.53	-0.48	0.0	8.37e-05	-1.66e-05
2000	155	-9.61	3.56	-0.59	0.0	-1.11e-03	1.28e-04
2000	169	0.95	11.87	-0.48	0.0	9.90e-05	-1.78e-05
2000	187	-9.46	3.67	-0.59	0.0	-1.09e-03	1.27e-04
2000	201	0.94	12.17	-0.48	0.0	9.79e-05	-1.47e-05
2000	219	-10.96	4.35	-0.61	0.0	-1.26e-03	1.51e-04
2000	233	1.14	14.41	-0.47	0.0	1.22e-04	-1.53e-05
2000	256	-0.62	0.43	-0.62	0.0	-9.82e-05	2.89e-06
2000	264	-0.85	0.38	-0.56	0.0	-1.22e-04	1.20e-05
2000	276	-0.19	1.02	-0.54	0.0	-4.37e-05	-1.12e-05
2000	298	-0.19	0.34	-0.51	0.0	-4.28e-05	-6.86e-06
2000	305	-0.31	0.32	-0.49	0.0	-5.60e-05	-2.55e-06
2000	307	-0.18	0.45	-0.48	0.0	-4.03e-05	-7.19e-06
2000	310	-0.18	0.32	-0.48	0.0	-4.06e-05	-6.37e-06
2001	28	-0.99	0.84	-0.98	0.0	-2.26e-04	2.95e-05
2001	44	-1.35	0.73	-0.87	0.0	-2.20e-04	3.09e-05
2001	68	-0.29	1.74	-0.85	0.0	-1.72e-04	1.49e-05
2001	123	-9.04	3.44	-0.63	0.0	-8.20e-04	7.01e-05
2001	137	0.87	11.13	-0.52	0.0	-4.32e-05	1.96e-04
2001	155	-10.13	3.83	-0.65	0.0	-9.08e-04	7.80e-05
2001	169	1.00	12.54	-0.52	0.0	-3.56e-05	2.19e-04
2001	187	-9.97	3.95	-0.65	0.0	-8.94e-04	8.15e-05
2001	201	0.99	12.85	-0.52	0.0	-3.58e-05	2.16e-04
2001	219	-11.56	4.67	-0.66	0.0	-1.02e-03	9.66e-05
2001	233	1.20	15.20	-0.52	0.0	-2.38e-05	2.51e-04
2001	256	-0.67	0.58	-0.69	0.0	-1.57e-04	2.01e-05
2001	264	-0.91	0.51	-0.61	0.0	-1.52e-04	2.10e-05
2001	276	-0.21	1.18	-0.60	0.0	-1.21e-04	1.03e-05
2001	298	-0.21	0.46	-0.56	0.0	-1.11e-04	1.20e-05
2001	305	-0.34	0.44	-0.53	0.0	-1.12e-04	1.29e-05
2001	307	-0.20	0.57	-0.53	0.0	-1.05e-04	1.08e-05
2001	310	-0.20	0.43	-0.53	0.0	-1.05e-04	1.10e-05
2002	28	-0.91	0.65	-0.68	0.0	-1.52e-04	2.12e-05
2002	44	-1.25	0.57	-0.61	0.0	-1.90e-04	2.96e-05
2002	68	-0.27	1.54	-0.57	0.0	-6.35e-05	0.0
2002	123	-8.54	3.20	-0.38	0.0	-1.01e-03	5.27e-05
2002	137	0.86	10.55	-0.14	0.0	2.90e-04	-5.45e-06
2002	144	-1.70	-9.06	-0.60	0.0	-4.19e-04	8.24e-05
2002	155	-9.58	3.58	-0.39	0.0	-1.12e-03	5.94e-05
2002	169	0.99	11.89	-0.11	0.0	3.31e-04	-6.69e-06
2002	176	-1.90	-10.30	-0.63	0.0	-4.65e-04	9.22e-05
2002	187	-9.43	3.69	-0.38	0.0	-1.11e-03	6.35e-05
2002	201	0.98	12.19	-0.11	0.0	3.23e-04	-4.99e-06
2002	208	-1.89	-10.58	-0.64	0.0	-4.57e-04	9.00e-05
2002	219	-10.93	4.37	-0.38	0.0	-1.28e-03	7.66e-05
2002	233	1.18	14.43	-0.06	0.0	3.83e-04	-6.33e-06
2002	240	-2.17	-12.66	-0.69	0.0	-5.24e-04	1.05e-04
2002	256	-0.62	0.45	-0.48	0.0	-1.04e-04	1.44e-05
2002	264	-0.84	0.39	-0.43	0.0	-1.29e-04	2.00e-05
2002	276	-0.19	1.04	-0.40	0.0	-4.46e-05	0.0
2002	298	-0.19	0.36	-0.39	0.0	-4.52e-05	4.10e-06
2002	305	-0.31	0.34	-0.38	0.0	-5.91e-05	7.01e-06
2002	307	-0.18	0.47	-0.37	0.0	-4.22e-05	3.15e-06
2002	310	-0.18	0.33	-0.37	0.0	-4.28e-05	3.81e-06
2003	28	-0.98	0.84	-0.75	0.0	-1.99e-04	2.00e-05
2003	44	-1.34	0.73	-0.67	0.0	-1.98e-04	2.33e-05
2003	68	-0.29	1.74	-0.63	0.0	-1.51e-04	6.84e-06
2003	123	-9.02	3.43	-0.43	0.0	-8.69e-04	6.58e-05
2003	137	0.91	11.13	-0.18	0.0	-1.71e-05	1.91e-04
2003	144	-1.81	-9.40	-0.64	0.0	-2.21e-04	-9.90e-05
2003	155	-10.11	3.83	-0.43	0.0	-9.66e-04	7.38e-05
2003	169	1.04	12.53	-0.15	0.0	-8.01e-06	2.14e-04

2003	176	-2.01	-10.70	-0.67	0.0	-2.38e-04	-1.12e-04
2003	187	-9.95	3.95	-0.42	0.0	-9.50e-04	7.73e-05
2003	201	1.04	12.85	-0.14	0.0	-8.03e-06	2.10e-04
2003	208	-2.00	-11.00	-0.68	0.0	-2.37e-04	-1.10e-04
2003	219	-11.53	4.66	-0.42	0.0	-1.09e-03	9.26e-05
2003	233	1.25	15.20	-0.09	0.0	6.42e-06	2.45e-04
2003	240	-2.29	-13.17	-0.73	0.0	-2.61e-04	-1.30e-04
2003	256	-0.67	0.58	-0.53	0.0	-1.38e-04	1.36e-05
2003	264	-0.90	0.51	-0.47	0.0	-1.37e-04	1.58e-05
2003	276	-0.21	1.18	-0.44	0.0	-1.06e-04	4.80e-06
2003	298	-0.21	0.46	-0.43	0.0	-9.53e-05	6.50e-06
2003	305	-0.34	0.44	-0.41	0.0	-9.73e-05	7.88e-06
2003	307	-0.20	0.57	-0.41	0.0	-9.10e-05	5.68e-06
2003	310	-0.20	0.43	-0.41	0.0	-9.08e-05	5.94e-06
2004	44	-1.13	0.51	-0.46	0.0	-2.03e-04	4.14e-05
2004	68	-0.23	1.45	-0.38	0.0	-7.26e-05	5.30e-06
2004	76	-0.29	0.28	-0.52	0.0	-9.20e-05	1.64e-05
2004	123	-8.03	3.05	-0.20	0.0	-1.08e-03	4.16e-05
2004	137	0.86	10.08	0.29	0.0	3.08e-04	6.59e-06
2004	140	-1.17	-9.48	-0.86	0.0	-4.06e-04	9.35e-06
2004	155	-9.00	3.41	-0.18	0.0	-1.20e-03	4.64e-05
2004	169	0.99	11.36	0.37	0.0	3.52e-04	6.42e-06
2004	172	-1.29	-10.76	-0.94	0.0	-4.50e-04	9.52e-06
2004	187	-8.86	3.52	-0.18	0.0	-1.18e-03	5.18e-05
2004	201	0.98	11.64	0.39	0.0	3.44e-04	8.53e-06
2004	204	-1.29	-11.04	-0.96	0.0	-4.42e-04	7.41e-06
2004	219	-10.27	4.17	-0.15	0.0	-1.37e-03	6.21e-05
2004	233	1.17	13.79	0.52	0.0	4.09e-04	9.06e-06
2004	236	-1.48	-13.19	-1.08	0.0	-5.07e-04	6.87e-06
2004	264	-0.76	0.35	-0.33	0.0	-1.38e-04	2.80e-05
2004	276	-0.16	0.98	-0.28	0.0	-5.10e-05	3.96e-06
2004	280	-0.20	0.20	-0.37	0.0	-6.39e-05	1.13e-05
2004	298	-0.16	0.32	-0.30	0.0	-5.21e-05	8.55e-06
2004	305	-0.27	0.30	-0.29	0.0	-6.59e-05	1.19e-05
2004	307	-0.15	0.43	-0.28	0.0	-4.85e-05	7.10e-06
2004	310	-0.15	0.30	-0.28	0.0	-4.92e-05	7.97e-06
2005	44	-1.23	0.60	-0.48	0.0	-2.01e-04	3.19e-05
2005	68	-0.26	1.58	-0.41	0.0	-6.65e-05	5.40e-06
2005	76	-0.33	0.37	-0.54	0.0	-8.61e-05	1.34e-05
2005	123	-8.52	3.22	-0.22	0.0	-1.01e-03	5.71e-05
2005	137	0.91	10.57	0.25	0.0	2.96e-04	-2.39e-06
2005	140	-1.26	-9.86	-0.84	0.0	-3.88e-04	1.54e-05
2005	155	-9.56	3.60	-0.21	0.0	-1.13e-03	6.40e-05
2005	169	1.04	11.91	0.32	0.0	3.38e-04	-3.63e-06
2005	172	-1.40	-11.20	-0.91	0.0	-4.30e-04	1.67e-05
2005	187	-9.41	3.72	-0.20	0.0	-1.11e-03	6.82e-05
2005	201	1.03	12.21	0.33	0.0	3.31e-04	-2.33e-06
2005	204	-1.38	-11.50	-0.92	0.0	-4.24e-04	1.54e-05
2005	219	-10.90	4.40	-0.18	0.0	-1.28e-03	8.17e-05
2005	233	1.24	14.46	0.45	0.0	3.94e-04	-3.87e-06
2005	236	-1.59	-13.75	-1.04	0.0	-4.86e-04	1.69e-05
2005	264	-0.83	0.42	-0.34	0.0	-1.37e-04	2.16e-05
2005	276	-0.18	1.07	-0.29	0.0	-4.68e-05	3.94e-06
2005	280	-0.23	0.27	-0.38	0.0	-5.98e-05	9.24e-06
2005	298	-0.19	0.38	-0.31	0.0	-4.86e-05	7.01e-06
2005	305	-0.30	0.36	-0.30	0.0	-6.32e-05	9.46e-06
2005	307	-0.17	0.49	-0.29	0.0	-4.52e-05	5.93e-06
2005	310	-0.18	0.35	-0.30	0.0	-4.60e-05	6.51e-06
2006	44	-1.33	0.73	-0.51	0.0	-1.78e-04	1.36e-05
2006	68	-0.29	1.74	-0.44	0.0	-1.31e-04	-3.02e-06
2006	76	-0.37	0.51	-0.57	0.0	-1.45e-04	0.0
2006	123	-9.00	3.43	-0.24	0.0	-9.18e-04	5.97e-05
2006	137	0.95	11.13	0.22	0.0	6.33e-06	1.84e-04
2006	140	-1.35	-10.26	-0.85	0.0	-1.63e-04	-1.85e-04
2006	155	-10.09	3.83	-0.23	0.0	-1.02e-03	6.78e-05
2006	169	1.10	12.53	0.29	0.0	1.68e-05	2.07e-04
2006	172	-1.49	-11.67	-0.92	0.0	-1.73e-04	-2.08e-04
2006	187	-9.93	3.95	-0.23	0.0	-1.00e-03	7.13e-05
2006	201	1.08	12.84	0.31	0.0	1.69e-05	2.04e-04
2006	204	-1.48	-11.98	-0.94	0.0	-1.73e-04	-2.05e-04
2006	219	-11.50	4.66	-0.21	0.0	-1.15e-03	8.66e-05
2006	233	1.30	15.20	0.42	0.0	3.35e-05	2.39e-04
2006	236	-1.70	-14.33	-1.06	0.0	-1.90e-04	-2.40e-04
2006	264	-0.90	0.51	-0.36	0.0	-1.24e-04	9.12e-06
2006	276	-0.21	1.18	-0.32	0.0	-9.25e-05	-1.98e-06

2006	280	-0.26	0.36	-0.40	0.0	-1.02e-04	0.0
2006	298	-0.21	0.46	-0.33	0.0	-8.15e-05	0.0
2006	305	-0.33	0.44	-0.32	0.0	-8.44e-05	1.51e-06
2006	307	-0.20	0.57	-0.31	0.0	-7.82e-05	0.0
2006	310	-0.20	0.43	-0.32	0.0	-7.81e-05	0.0
2007	44	-1.42	0.97	-0.57	0.0	-1.85e-04	4.14e-05
2007	68	-0.36	2.03	-0.49	0.0	-1.38e-04	2.43e-05
2007	76	-0.44	0.78	-0.64	0.0	-1.54e-04	3.35e-05
2007	123	-9.51	3.74	-0.28	0.0	-8.80e-04	2.90e-05
2007	137	0.97	11.76	0.19	0.0	-1.51e-06	2.19e-04
2007	140	-1.44	-10.59	-0.89	0.0	-1.63e-04	-1.84e-04
2007	155	-10.66	4.15	-0.27	0.0	-9.79e-04	3.09e-05
2007	169	1.12	13.23	0.26	0.0	8.51e-06	2.45e-04
2007	172	-1.59	-12.06	-0.96	0.0	-1.73e-04	-2.10e-04
2007	187	-10.49	4.28	-0.26	0.0	-9.62e-04	3.47e-05
2007	201	1.10	13.56	0.28	0.0	8.50e-06	2.42e-04
2007	204	-1.58	-12.39	-0.98	0.0	-1.73e-04	-2.07e-04
2007	219	-12.15	5.02	-0.24	0.0	-1.10e-03	4.11e-05
2007	233	1.33	16.01	0.40	0.0	2.44e-05	2.81e-04
2007	236	-1.80	-14.85	-1.10	0.0	-1.89e-04	-2.46e-04
2007	264	-0.96	0.68	-0.40	0.0	-1.28e-04	2.82e-05
2007	276	-0.25	1.38	-0.35	0.0	-9.71e-05	1.68e-05
2007	280	-0.31	0.55	-0.45	0.0	-1.07e-04	2.29e-05
2007	298	-0.25	0.62	-0.37	0.0	-8.62e-05	1.92e-05
2007	305	-0.38	0.59	-0.35	0.0	-8.88e-05	1.96e-05
2007	307	-0.23	0.73	-0.34	0.0	-8.26e-05	1.74e-05
2007	310	-0.24	0.58	-0.35	0.0	-8.25e-05	1.75e-05
2008	28	-1.45	1.55	-0.59	0.0	-1.93e-04	4.65e-05
2008	44	-1.80	1.35	-0.54	0.0	-1.93e-04	4.83e-05
2008	68	-0.65	2.58	-0.52	0.0	-1.40e-04	3.46e-05
2008	123	-10.81	3.74	-0.50	0.0	-7.71e-05	9.69e-05
2008	127	-10.67	4.08	-0.50	0.0	-7.52e-05	3.99e-05
2008	137	1.03	13.88	-0.40	0.0	-8.52e-05	2.58e-04
2008	155	-12.10	4.13	-0.52	0.0	-7.58e-05	1.07e-04
2008	159	-11.94	4.52	-0.52	0.0	-7.38e-05	4.27e-05
2008	169	1.20	15.60	-0.41	0.0	-8.52e-05	2.88e-04
2008	187	-11.91	4.27	-0.52	0.0	-7.58e-05	1.12e-04
2008	191	-11.75	4.62	-0.52	0.0	-7.43e-05	4.45e-05
2008	201	1.18	15.98	-0.41	0.0	-8.53e-05	2.84e-04
2008	219	-13.78	4.99	-0.55	0.0	-7.41e-05	1.31e-04
2008	223	-13.59	5.35	-0.55	0.0	-7.24e-05	4.96e-05
2008	233	1.45	18.86	-0.43	0.0	-8.53e-05	3.30e-04
2008	256	-0.99	1.08	-0.42	0.0	-1.33e-04	3.24e-05
2008	264	-1.22	0.94	-0.38	0.0	-1.33e-04	3.36e-05
2008	276	-0.46	1.76	-0.37	0.0	-9.78e-05	2.45e-05
2008	298	-0.44	0.85	-0.34	0.0	-9.13e-05	2.07e-05
2008	305	-0.57	0.81	-0.33	0.0	-9.36e-05	2.17e-05
2008	307	-0.41	0.97	-0.33	0.0	-8.65e-05	1.99e-05
2008	310	-0.42	0.80	-0.33	0.0	-8.65e-05	1.99e-05
2009	28	-1.55	1.66	-0.59	0.0	-1.93e-04	5.97e-05
2009	44	-1.89	1.44	-0.54	0.0	-1.93e-04	5.86e-05
2009	68	-0.72	2.69	-0.51	0.0	-1.40e-04	4.58e-05
2009	123	-10.85	3.84	-0.50	0.0	-7.06e-05	9.17e-05
2009	127	-10.70	4.18	-0.50	0.0	-6.87e-05	3.49e-05
2009	137	0.99	14.08	-0.40	0.0	-8.65e-05	2.70e-04
2009	155	-12.14	4.23	-0.52	0.0	-6.86e-05	1.00e-04
2009	159	-11.97	4.62	-0.52	0.0	-6.65e-05	3.61e-05
2009	169	1.17	15.82	-0.41	0.0	-8.66e-05	3.00e-04
2009	187	-11.95	4.37	-0.52	0.0	-6.86e-05	1.05e-04
2009	191	-11.78	4.73	-0.52	0.0	-6.70e-05	3.75e-05
2009	201	1.15	16.21	-0.42	0.0	-8.67e-05	2.97e-04
2009	219	-13.81	5.11	-0.55	0.0	-6.57e-05	1.22e-04
2009	223	-13.62	5.47	-0.55	0.0	-6.40e-05	4.01e-05
2009	233	1.42	19.12	-0.43	0.0	-8.69e-05	3.44e-04
2009	256	-1.05	1.15	-0.42	0.0	-1.33e-04	4.15e-05
2009	264	-1.29	1.01	-0.38	0.0	-1.33e-04	4.08e-05
2009	276	-0.51	1.84	-0.37	0.0	-9.78e-05	3.22e-05
2009	298	-0.48	0.91	-0.34	0.0	-9.13e-05	2.85e-05
2009	305	-0.61	0.87	-0.33	0.0	-9.36e-05	2.89e-05
2009	307	-0.46	1.03	-0.33	0.0	-8.66e-05	2.71e-05
2009	310	-0.46	0.86	-0.33	0.0	-8.65e-05	2.71e-05
2010	44	-0.74	0.19	-0.25	0.0	-1.89e-04	1.86e-05
2010	52	-0.11	0.58	-0.30	0.0	-8.67e-05	1.18e-05
2010	68	-0.09	0.80	-0.30	0.0	-7.33e-05	9.84e-06
2010	123	-5.53	1.45	-0.39	0.0	-1.44e-03	1.52e-04

2010	137	0.71	6.08	-0.62	0.0	1.45e-04	1.05e-04
2010	139	-1.98	5.23	-0.73	0.0	-5.30e-04	4.33e-05
2010	155	-6.21	1.62	-0.42	0.0	-1.61e-03	1.71e-04
2010	169	0.81	6.87	-0.69	0.0	1.69e-04	1.17e-04
2010	171	-2.21	5.90	-0.81	0.0	-5.89e-04	4.81e-05
2010	187	-6.11	1.69	-0.43	0.0	-1.59e-03	1.70e-04
2010	201	0.79	7.04	-0.70	0.0	1.66e-04	1.15e-04
2010	203	-2.17	6.07	-0.82	0.0	-5.79e-04	4.79e-05
2010	219	-7.09	2.02	-0.48	0.0	-1.84e-03	1.99e-04
2010	233	0.94	8.35	-0.81	0.0	2.01e-04	1.34e-04
2010	235	-2.52	7.20	-0.95	0.0	-6.67e-04	5.52e-05
2010	264	-0.50	0.13	-0.18	0.0	-1.28e-04	1.27e-05
2010	268	-0.08	0.39	-0.21	0.0	-6.02e-05	8.18e-06
2010	276	-0.07	0.54	-0.21	0.0	-5.13e-05	6.84e-06
2010	305	-0.15	0.11	-0.15	0.0	-6.29e-05	7.53e-06
2010	307	-0.06	0.19	-0.16	0.0	-4.75e-05	6.36e-06
2010	310	-0.06	0.11	-0.15	0.0	-4.78e-05	6.31e-06
2011	44	-0.84	0.28	-0.29	0.0	-1.83e-04	2.11e-05
2011	52	-0.16	0.74	-0.34	0.0	-8.07e-05	1.81e-05
2011	68	-0.13	0.97	-0.34	0.0	-6.79e-05	1.52e-05
2011	123	-6.30	1.71	-0.44	0.0	-1.34e-03	2.64e-04
2011	137	0.79	7.06	-0.68	0.0	4.08e-04	7.21e-05
2011	139	-2.26	6.07	-0.80	0.0	-2.26e-04	1.22e-04
2011	155	-7.07	1.91	-0.47	0.0	-1.50e-03	2.95e-04
2011	169	0.90	7.96	-0.75	0.0	4.63e-04	8.02e-05
2011	171	-2.52	6.85	-0.88	0.0	-2.48e-04	1.36e-04
2011	187	-6.95	1.99	-0.48	0.0	-1.48e-03	2.93e-04
2011	201	0.88	8.16	-0.76	0.0	4.54e-04	8.08e-05
2011	203	-2.48	7.04	-0.90	0.0	-2.44e-04	1.33e-04
2011	219	-8.06	2.37	-0.53	0.0	-1.71e-03	3.41e-04
2011	233	1.04	9.68	-0.88	0.0	5.37e-04	9.36e-05
2011	235	-2.87	8.35	-1.03	0.0	-2.78e-04	1.55e-04
2011	264	-0.57	0.19	-0.21	0.0	-1.24e-04	1.45e-05
2011	268	-0.11	0.50	-0.24	0.0	-5.61e-05	1.25e-05
2011	276	-0.09	0.65	-0.24	0.0	-4.76e-05	1.06e-05
2011	305	-0.18	0.16	-0.18	0.0	-5.98e-05	1.04e-05
2011	307	-0.09	0.26	-0.18	0.0	-4.44e-05	9.61e-06
2011	310	-0.09	0.16	-0.17	0.0	-4.48e-05	9.50e-06
2012	28	-1.47	1.55	-0.66	0.0	-2.09e-04	4.64e-05
2012	44	-1.82	1.35	-0.60	0.0	-2.05e-04	4.82e-05
2012	68	-0.67	2.58	-0.55	0.0	-1.53e-04	3.44e-05
2012	123	-10.83	3.74	-0.44	0.0	-8.15e-05	7.07e-05
2012	137	0.97	13.88	-0.20	0.0	-9.68e-05	2.64e-04
2012	144	-2.33	-11.45	-0.54	0.0	-5.97e-05	-1.25e-04
2012	155	-12.12	4.13	-0.45	0.0	-7.97e-05	7.77e-05
2012	169	1.14	15.60	-0.18	0.0	-9.72e-05	2.94e-04
2012	176	-2.57	-13.06	-0.56	0.0	-5.53e-05	-1.44e-04
2012	187	-11.93	4.27	-0.44	0.0	-7.97e-05	8.20e-05
2012	201	1.13	15.98	-0.17	0.0	-9.74e-05	2.91e-04
2012	208	-2.55	-13.43	-0.57	0.0	-5.60e-05	-1.42e-04
2012	219	-13.79	4.99	-0.45	0.0	-7.73e-05	9.65e-05
2012	233	1.39	18.85	-0.13	0.0	-9.81e-05	3.38e-04
2012	240	-2.89	-16.13	-0.61	0.0	-4.93e-05	-1.70e-04
2012	256	-1.00	1.07	-0.46	0.0	-1.44e-04	3.23e-05
2012	264	-1.24	0.94	-0.42	0.0	-1.41e-04	3.35e-05
2012	276	-0.47	1.76	-0.39	0.0	-1.07e-04	2.44e-05
2012	298	-0.45	0.85	-0.38	0.0	-1.01e-04	2.07e-05
2012	305	-0.58	0.81	-0.37	0.0	-1.02e-04	2.17e-05
2012	307	-0.42	0.97	-0.36	0.0	-9.51e-05	1.98e-05
2012	310	-0.42	0.80	-0.37	0.0	-9.50e-05	1.98e-05
2013	28	-0.49	0.22	-0.22	0.0	-1.47e-04	2.55e-05
2013	44	-0.73	0.19	-0.21	0.0	-1.81e-04	2.69e-05
2013	68	-0.09	0.80	-0.20	0.0	-6.38e-05	1.67e-05
2013	119	-4.75	0.35	-0.29	0.0	-1.06e-03	-4.80e-05
2013	123	-5.45	1.45	-0.28	0.0	-1.32e-03	1.95e-04
2013	137	0.73	6.07	-0.19	0.0	4.11e-04	1.13e-04
2013	151	-5.33	0.39	-0.31	0.0	-1.19e-03	-5.47e-05
2013	155	-6.12	1.63	-0.30	0.0	-1.48e-03	2.19e-04
2013	169	0.82	6.85	-0.19	0.0	4.67e-04	1.26e-04
2013	187	-6.02	1.69	-0.30	0.0	-1.46e-03	2.17e-04
2013	191	-5.95	1.85	-0.30	0.0	-1.35e-03	1.83e-04
2013	201	0.81	7.02	-0.20	0.0	4.59e-04	1.24e-04
2013	219	-6.99	2.02	-0.33	0.0	-1.68e-03	2.53e-04
2013	223	-6.91	2.19	-0.33	0.0	-1.56e-03	2.12e-04
2013	233	0.95	8.33	-0.21	0.0	5.42e-04	1.44e-04

2013	256	-0.33	0.15	-0.15	0.0	-9.99e-05	1.75e-05
2013	264	-0.49	0.13	-0.15	0.0	-1.23e-04	1.84e-05
2013	276	-0.06	0.54	-0.14	0.0	-4.47e-05	1.16e-05
2013	298	-0.06	0.11	-0.12	0.0	-4.47e-05	1.08e-05
2013	305	-0.15	0.11	-0.12	0.0	-5.76e-05	1.16e-05
2013	307	-0.06	0.19	-0.12	0.0	-4.19e-05	1.03e-05
2013	310	-0.06	0.11	-0.12	0.0	-4.23e-05	1.01e-05
2014	28	-0.57	0.32	-0.24	0.0	-1.47e-04	2.38e-05
2014	44	-0.83	0.28	-0.23	0.0	-1.82e-04	2.31e-05
2014	68	-0.12	0.97	-0.22	0.0	-6.44e-05	1.72e-05
2014	123	-6.15	1.71	-0.31	0.0	-1.28e-03	2.86e-04
2014	127	-6.08	1.90	-0.32	0.0	-1.18e-03	2.54e-04
2014	137	0.80	7.06	-0.20	0.0	3.98e-04	7.85e-05
2014	155	-6.90	1.92	-0.34	0.0	-1.43e-03	3.21e-04
2014	159	-6.82	2.12	-0.34	0.0	-1.33e-03	2.84e-04
2014	169	0.91	7.96	-0.21	0.0	4.53e-04	8.74e-05
2014	187	-6.79	1.99	-0.33	0.0	-1.41e-03	3.18e-04
2014	191	-6.71	2.18	-0.34	0.0	-1.30e-03	2.79e-04
2014	201	0.89	8.16	-0.21	0.0	4.45e-04	8.84e-05
2014	219	-7.88	2.37	-0.37	0.0	-1.63e-03	3.71e-04
2014	223	-7.79	2.57	-0.37	0.0	-1.51e-03	3.23e-04
2014	233	1.05	9.68	-0.23	0.0	5.26e-04	1.03e-04
2014	256	-0.38	0.22	-0.17	0.0	-1.00e-04	1.64e-05
2014	264	-0.56	0.19	-0.17	0.0	-1.24e-04	1.59e-05
2014	276	-0.09	0.65	-0.16	0.0	-4.51e-05	1.20e-05
2014	298	-0.09	0.17	-0.14	0.0	-4.51e-05	1.14e-05
2014	305	-0.18	0.16	-0.14	0.0	-5.79e-05	1.16e-05
2014	307	-0.08	0.26	-0.14	0.0	-4.22e-05	1.08e-05
2014	310	-0.08	0.16	-0.13	0.0	-4.26e-05	1.06e-05
2015	28	-0.65	0.43	-0.26	0.0	-1.49e-04	1.74e-05
2015	44	-0.93	0.37	-0.25	0.0	-1.84e-04	1.54e-05
2015	68	-0.16	1.15	-0.24	0.0	-6.62e-05	1.31e-05
2015	123	-6.82	1.97	-0.34	0.0	-1.22e-03	2.97e-04
2015	127	-6.74	2.19	-0.34	0.0	-1.13e-03	2.60e-04
2015	137	0.87	8.09	-0.21	0.0	3.79e-04	7.15e-05
2015	155	-7.65	2.21	-0.36	0.0	-1.36e-03	3.33e-04
2015	159	-7.56	2.45	-0.36	0.0	-1.26e-03	2.91e-04
2015	169	0.99	9.12	-0.22	0.0	4.31e-04	7.97e-05
2015	187	-7.53	2.29	-0.36	0.0	-1.34e-03	3.29e-04
2015	191	-7.44	2.51	-0.36	0.0	-1.24e-03	2.86e-04
2015	201	0.97	9.35	-0.23	0.0	4.23e-04	7.98e-05
2015	219	-8.73	2.73	-0.40	0.0	-1.55e-03	3.84e-04
2015	223	-8.63	2.95	-0.40	0.0	-1.44e-03	3.32e-04
2015	233	1.15	11.09	-0.24	0.0	5.01e-04	9.23e-05
2015	256	-0.44	0.30	-0.19	0.0	-1.02e-04	1.20e-05
2015	264	-0.62	0.26	-0.18	0.0	-1.25e-04	1.06e-05
2015	276	-0.11	0.77	-0.17	0.0	-4.64e-05	9.12e-06
2015	298	-0.11	0.23	-0.15	0.0	-4.61e-05	9.22e-06
2015	305	-0.21	0.22	-0.15	0.0	-5.90e-05	8.88e-06
2015	307	-0.10	0.32	-0.15	0.0	-4.33e-05	8.58e-06
2015	310	-0.11	0.22	-0.14	0.0	-4.36e-05	8.55e-06
2016	28	-0.48	0.22	-0.19	0.0	-1.39e-04	5.74e-05
2016	44	-0.72	0.19	-0.19	0.0	-1.75e-04	5.83e-05
2016	68	-0.08	0.80	-0.15	0.0	-5.68e-05	4.26e-05
2016	123	-5.37	1.45	-0.32	0.0	-1.15e-03	3.34e-04
2016	124	-4.90	-1.54	-0.35	0.0	-1.26e-03	2.03e-04
2016	137	0.74	6.04	0.01	0.0	4.09e-04	1.20e-04
2016	155	-6.03	1.62	-0.34	0.0	-1.29e-03	3.72e-04
2016	156	-5.50	-1.76	-0.38	0.0	-1.41e-03	2.24e-04
2016	169	0.83	6.81	0.03	0.0	4.65e-04	1.33e-04
2016	187	-5.93	1.69	-0.34	0.0	-1.27e-03	3.70e-04
2016	188	-5.42	-1.82	-0.38	0.0	-1.39e-03	2.18e-04
2016	201	0.81	6.99	0.03	0.0	4.58e-04	1.37e-04
2016	219	-6.88	2.01	-0.38	0.0	-1.47e-03	4.29e-04
2016	220	-6.29	-2.21	-0.42	0.0	-1.61e-03	2.46e-04
2016	233	0.96	8.29	0.05	0.0	5.41e-04	1.58e-04
2016	256	-0.32	0.15	-0.14	0.0	-9.49e-05	3.95e-05
2016	264	-0.48	0.13	-0.14	0.0	-1.19e-04	4.00e-05
2016	276	-0.05	0.54	-0.11	0.0	-3.99e-05	2.96e-05
2016	305	-0.14	0.11	-0.11	0.0	-5.37e-05	2.72e-05
2016	307	-0.05	0.19	-0.10	0.0	-3.79e-05	2.51e-05
2016	310	-0.05	0.11	-0.10	0.0	-3.84e-05	2.44e-05
2017	28	-0.56	0.32	-0.21	0.0	-1.50e-04	2.49e-05
2017	44	-0.81	0.28	-0.21	0.0	-1.86e-04	2.35e-05
2017	68	-0.11	0.97	-0.16	0.0	-6.52e-05	1.85e-05

2017	123	-6.02	1.71	-0.34	0.0	-1.25e-03	2.81e-04
2017	124	-5.50	-1.76	-0.38	0.0	-1.14e-03	1.64e-04
2017	137	0.81	7.06	0.02	0.0	3.97e-04	7.25e-05
2017	155	-6.76	1.92	-0.36	0.0	-1.40e-03	3.15e-04
2017	156	-6.18	-2.01	-0.41	0.0	-1.28e-03	1.82e-04
2017	169	0.91	7.97	0.03	0.0	4.51e-04	8.04e-05
2017	187	-6.65	1.99	-0.36	0.0	-1.38e-03	3.12e-04
2017	188	-6.08	-2.09	-0.41	0.0	-1.26e-03	1.77e-04
2017	201	0.89	8.17	0.04	0.0	4.43e-04	8.09e-05
2017	219	-7.72	2.37	-0.40	0.0	-1.59e-03	3.63e-04
2017	220	-7.05	-2.55	-0.45	0.0	-1.46e-03	2.02e-04
2017	233	1.05	9.69	0.06	0.0	5.25e-04	9.33e-05
2017	256	-0.37	0.22	-0.15	0.0	-1.02e-04	1.71e-05
2017	264	-0.55	0.19	-0.15	0.0	-1.26e-04	1.62e-05
2017	276	-0.08	0.66	-0.12	0.0	-4.57e-05	1.29e-05
2017	305	-0.17	0.16	-0.12	0.0	-5.86e-05	1.23e-05
2017	307	-0.08	0.26	-0.11	0.0	-4.25e-05	1.16e-05
2017	310	-0.08	0.16	-0.11	0.0	-4.29e-05	1.15e-05
2018	28	-0.64	0.43	-0.23	0.0	-1.54e-04	1.17e-05
2018	44	-0.92	0.37	-0.23	0.0	-1.89e-04	9.17e-06
2018	68	-0.15	1.15	-0.17	0.0	-6.96e-05	9.12e-06
2018	123	-6.70	1.98	-0.35	0.0	-1.23e-03	2.92e-04
2018	128	-6.20	-2.20	-0.40	0.0	-1.14e-03	2.04e-04
2018	137	0.88	8.09	0.02	0.0	1.34e-04	6.37e-05
2018	155	-7.52	2.21	-0.38	0.0	-1.38e-03	3.27e-04
2018	160	-6.95	-2.51	-0.44	0.0	-1.28e-03	2.28e-04
2018	169	1.00	9.13	0.04	0.0	1.56e-04	7.11e-05
2018	187	-7.40	2.29	-0.38	0.0	-1.35e-03	3.24e-04
2018	192	-6.84	-2.58	-0.43	0.0	-1.26e-03	2.25e-04
2018	201	0.98	9.35	0.05	0.0	1.52e-04	7.07e-05
2018	219	-8.58	2.73	-0.42	0.0	-1.57e-03	3.78e-04
2018	220	-7.84	-2.89	-0.48	0.0	-1.43e-03	2.07e-04
2018	233	1.15	11.09	0.08	0.0	1.84e-04	8.18e-05
2018	256	-0.43	0.30	-0.16	0.0	-1.05e-04	8.07e-06
2018	264	-0.62	0.26	-0.16	0.0	-1.28e-04	6.38e-06
2018	276	-0.11	0.77	-0.13	0.0	-4.87e-05	6.34e-06
2018	305	-0.20	0.22	-0.13	0.0	-6.10e-05	6.35e-06
2018	307	-0.10	0.32	-0.12	0.0	-4.51e-05	6.34e-06
2018	310	-0.10	0.22	-0.12	0.0	-4.54e-05	6.39e-06
2019	44	-0.66	0.19	-0.15	0.0	-1.69e-04	1.18e-04
2019	68	-0.03	0.80	-0.04	0.0	-6.69e-05	9.44e-05
2019	123	-5.15	1.44	-0.33	0.0	-8.60e-04	4.67e-04
2019	137	1.88	5.99	0.45	0.0	3.02e-04	1.69e-04
2019	144	-2.07	-5.39	-0.59	0.0	-4.18e-04	-1.30e-05
2019	155	-5.79	1.62	-0.36	0.0	-9.61e-04	5.19e-04
2019	169	2.11	6.76	0.52	0.0	3.45e-04	1.84e-04
2019	176	-2.33	-6.11	-0.66	0.0	-4.65e-04	-2.21e-05
2019	187	-5.69	1.68	-0.35	0.0	-9.46e-04	5.15e-04
2019	201	2.09	6.93	0.53	0.0	3.42e-04	1.90e-04
2019	208	-2.30	-6.28	-0.68	0.0	-4.61e-04	-2.69e-05
2019	219	-6.62	2.01	-0.39	0.0	-1.09e-03	5.93e-04
2019	233	2.44	8.22	0.65	0.0	4.09e-04	2.16e-04
2019	240	-2.67	-7.49	-0.79	0.0	-5.31e-04	-4.42e-05
2019	264	-0.44	0.13	-0.10	0.0	-1.14e-04	8.15e-05
2019	276	-0.02	0.54	-0.04	0.0	-4.67e-05	6.55e-05
2019	305	-0.11	0.11	-0.07	0.0	-5.90e-05	5.80e-05
2019	307	-0.03	0.20	-0.06	0.0	-4.54e-05	5.48e-05
2019	310	-0.03	0.11	-0.06	0.0	-4.62e-05	5.33e-05
2020	44	-0.81	0.28	-0.18	0.0	-2.01e-04	1.07e-05
2020	68	-0.11	0.97	-0.07	0.0	-8.03e-05	1.01e-05
2020	123	-5.93	1.71	-0.35	0.0	-1.21e-03	2.52e-04
2020	137	0.81	7.07	0.46	0.0	1.28e-04	5.70e-05
2020	144	-1.11	-6.31	-0.64	0.0	-2.60e-04	-1.16e-05
2020	155	-6.66	1.92	-0.39	0.0	-1.35e-03	2.83e-04
2020	169	0.92	7.98	0.53	0.0	1.50e-04	6.34e-05
2020	176	-1.24	-7.16	-0.71	0.0	-2.86e-04	-1.39e-05
2020	187	-6.55	1.99	-0.37	0.0	-1.33e-03	2.80e-04
2020	201	0.90	8.18	0.54	0.0	1.46e-04	6.29e-05
2020	208	-1.22	-7.36	-0.72	0.0	-2.82e-04	-1.27e-05
2020	219	-7.60	2.37	-0.42	0.0	-1.54e-03	3.26e-04
2020	233	1.06	9.70	0.66	0.0	1.79e-04	7.25e-05
2020	240	-1.40	-8.78	-0.84	0.0	-3.18e-04	-1.65e-05
2020	264	-0.54	0.19	-0.13	0.0	-1.36e-04	7.43e-06
2020	276	-0.07	0.66	-0.05	0.0	-5.61e-05	7.05e-06
2020	305	-0.16	0.17	-0.09	0.0	-6.76e-05	7.21e-06

2020	307	-0.07	0.26	-0.07	0.0	-5.16e-05	7.14e-06
2020	310	-0.07	0.16	-0.08	0.0	-5.18e-05	7.22e-06
2021	44	-0.92	0.37	-0.19	0.0	-1.96e-04	0.0
2021	68	-0.15	1.15	-0.08	0.0	-7.57e-05	3.09e-06
2021	123	-6.58	1.98	-0.37	0.0	-1.22e-03	2.87e-04
2021	137	0.88	8.09	0.46	0.0	1.33e-04	5.74e-05
2021	144	-1.25	-7.16	-0.66	0.0	-2.59e-04	-1.28e-05
2021	155	-7.39	2.21	-0.40	0.0	-1.37e-03	3.23e-04
2021	169	1.00	9.12	0.53	0.0	1.55e-04	6.44e-05
2021	176	-1.39	-8.13	-0.73	0.0	-2.85e-04	-1.48e-05
2021	187	-7.27	2.29	-0.39	0.0	-1.35e-03	3.19e-04
2021	201	0.98	9.35	0.55	0.0	1.51e-04	6.37e-05
2021	208	-1.37	-8.35	-0.75	0.0	-2.81e-04	-1.33e-05
2021	219	-8.44	2.73	-0.43	0.0	-1.56e-03	3.73e-04
2021	233	1.15	11.08	0.67	0.0	1.84e-04	7.40e-05
2021	240	-1.57	-9.98	-0.87	0.0	-3.17e-04	-1.65e-05
2021	264	-0.62	0.26	-0.14	0.0	-1.33e-04	0.0
2021	276	-0.10	0.77	-0.06	0.0	-5.30e-05	2.15e-06
2021	305	-0.20	0.22	-0.10	0.0	-6.47e-05	2.57e-06
2021	307	-0.10	0.32	-0.09	0.0	-4.87e-05	2.97e-06
2021	310	-0.10	0.22	-0.09	0.0	-4.89e-05	3.14e-06
2022	28	-1.57	1.66	-0.66	0.0	-2.09e-04	5.98e-05
2022	44	-1.92	1.44	-0.60	0.0	-2.05e-04	5.87e-05
2022	68	-0.75	2.69	-0.55	0.0	-1.53e-04	4.60e-05
2022	123	-10.86	3.83	-0.44	0.0	-7.47e-05	9.12e-05
2022	137	0.94	14.08	-0.19	0.0	-9.79e-05	2.70e-04
2022	144	-2.37	-11.53	-0.55	0.0	-5.77e-05	-1.17e-04
2022	155	-12.15	4.23	-0.44	0.0	-7.21e-05	9.98e-05
2022	169	1.11	15.82	-0.17	0.0	-9.84e-05	3.00e-04
2022	176	-2.61	-13.16	-0.57	0.0	-5.30e-05	-1.36e-04
2022	187	-11.96	4.37	-0.44	0.0	-7.22e-05	1.04e-04
2022	201	1.09	16.20	-0.16	0.0	-9.86e-05	2.97e-04
2022	208	-2.59	-13.53	-0.58	0.0	-5.38e-05	-1.34e-04
2022	219	-13.82	5.10	-0.45	0.0	-6.86e-05	1.21e-04
2022	233	1.36	19.11	-0.12	0.0	-9.94e-05	3.45e-04
2022	240	-2.93	-16.26	-0.62	0.0	-4.68e-05	-1.62e-04
2022	256	-1.07	1.15	-0.46	0.0	-1.44e-04	4.15e-05
2022	264	-1.31	1.00	-0.42	0.0	-1.41e-04	4.08e-05
2022	276	-0.52	1.83	-0.40	0.0	-1.07e-04	3.23e-05
2022	298	-0.50	0.91	-0.38	0.0	-1.01e-04	2.86e-05
2022	305	-0.63	0.87	-0.37	0.0	-1.02e-04	2.89e-05
2022	307	-0.47	1.03	-0.36	0.0	-9.51e-05	2.72e-05
2022	310	-0.47	0.86	-0.37	0.0	-9.50e-05	2.72e-05
2023	28	-1.64	1.79	-0.59	0.0	-1.93e-04	7.31e-05
2023	44	-1.99	1.56	-0.54	0.0	-1.92e-04	6.90e-05
2023	68	-0.79	2.82	-0.51	0.0	-1.40e-04	5.72e-05
2023	123	-10.87	3.96	-0.50	0.0	-6.09e-05	9.50e-05
2023	127	-10.73	4.31	-0.50	0.0	-5.89e-05	3.82e-05
2023	137	0.96	14.37	-0.40	0.0	-8.83e-05	2.78e-04
2023	155	-12.16	4.36	-0.52	0.0	-5.77e-05	1.03e-04
2023	159	-11.99	4.75	-0.52	0.0	-5.55e-05	3.89e-05
2023	169	1.14	16.14	-0.41	0.0	-8.86e-05	3.08e-04
2023	187	-11.97	4.51	-0.52	0.0	-5.79e-05	1.08e-04
2023	191	-11.81	4.86	-0.52	0.0	-5.62e-05	4.03e-05
2023	201	1.12	16.53	-0.42	0.0	-8.87e-05	3.06e-04
2023	219	-13.83	5.25	-0.55	0.0	-5.33e-05	1.24e-04
2023	223	-13.64	5.61	-0.55	0.0	-5.14e-05	4.22e-05
2023	233	1.39	19.49	-0.43	0.0	-8.93e-05	3.53e-04
2023	256	-1.12	1.24	-0.42	0.0	-1.33e-04	5.07e-05
2023	264	-1.35	1.08	-0.38	0.0	-1.33e-04	4.79e-05
2023	276	-0.56	1.93	-0.37	0.0	-9.76e-05	4.00e-05
2023	298	-0.53	0.98	-0.34	0.0	-9.11e-05	3.64e-05
2023	305	-0.66	0.93	-0.33	0.0	-9.34e-05	3.61e-05
2023	307	-0.50	1.10	-0.33	0.0	-8.64e-05	3.45e-05
2023	310	-0.50	0.93	-0.33	0.0	-8.63e-05	3.44e-05
2024	44	-1.73	1.25	-0.64	0.0	-2.15e-04	8.43e-05
2024	68	-0.60	2.43	-0.57	0.0	-1.67e-04	6.79e-05
2024	76	-0.71	1.07	-0.71	0.0	-1.91e-04	8.53e-05
2024	123	-10.63	3.56	-0.35	0.0	-4.57e-04	-4.87e-05
2024	137	0.94	13.29	0.10	0.0	-6.01e-05	2.96e-04
2024	140	-1.70	-11.78	-0.88	0.0	-1.44e-04	-2.06e-04
2024	155	-11.90	3.93	-0.34	0.0	-5.01e-04	-5.97e-05
2024	169	1.10	14.93	0.16	0.0	-5.50e-05	3.28e-04
2024	172	-1.86	-13.43	-0.95	0.0	-1.49e-04	-2.37e-04
2024	187	-11.71	4.07	-0.33	0.0	-4.94e-04	-5.30e-05

2024	201	1.09	15.30	0.18	0.0	-5.61e-05	3.26e-04
2024	204	-1.85	-13.80	-0.96	0.0	-1.48e-04	-2.36e-04
2024	219	-13.55	4.76	-0.32	0.0	-5.58e-04	-6.47e-05
2024	233	1.34	18.06	0.29	0.0	-4.85e-05	3.76e-04
2024	236	-2.10	-16.55	-1.07	0.0	-1.56e-04	-2.85e-04
2024	264	-1.18	0.87	-0.45	0.0	-1.49e-04	5.78e-05
2024	276	-0.42	1.66	-0.40	0.0	-1.17e-04	4.69e-05
2024	280	-0.49	0.75	-0.50	0.0	-1.33e-04	5.85e-05
2024	298	-0.40	0.80	-0.41	0.0	-1.08e-04	4.92e-05
2024	305	-0.53	0.76	-0.39	0.0	-1.09e-04	4.75e-05
2024	307	-0.38	0.91	-0.39	0.0	-1.02e-04	4.53e-05
2024	310	-0.38	0.75	-0.39	0.0	-1.02e-04	4.53e-05
2025	28	-1.68	1.79	-0.66	0.0	-2.09e-04	7.31e-05
2025	44	-2.03	1.56	-0.60	0.0	-2.05e-04	6.90e-05
2025	68	-0.82	2.82	-0.55	0.0	-1.53e-04	5.71e-05
2025	123	-10.89	3.96	-0.44	0.0	-6.54e-05	9.53e-05
2025	137	0.90	14.38	-0.19	0.0	-9.95e-05	2.78e-04
2025	144	-2.41	-11.67	-0.55	0.0	-5.51e-05	-1.13e-04
2025	155	-12.18	4.36	-0.44	0.0	-6.16e-05	1.04e-04
2025	169	1.07	16.14	-0.17	0.0	-1.00e-04	3.08e-04
2025	176	-2.65	-13.33	-0.57	0.0	-5.01e-05	-1.32e-04
2025	187	-11.99	4.51	-0.44	0.0	-6.18e-05	1.08e-04
2025	201	1.06	16.54	-0.16	0.0	-1.00e-04	3.06e-04
2025	208	-2.63	-13.71	-0.57	0.0	-5.10e-05	-1.31e-04
2025	219	-13.84	5.25	-0.45	0.0	-5.65e-05	1.24e-04
2025	233	1.32	19.50	-0.13	0.0	-1.01e-04	3.53e-04
2025	240	-2.97	-16.49	-0.61	0.0	-4.35e-05	-1.60e-04
2025	256	-1.15	1.24	-0.46	0.0	-1.44e-04	5.06e-05
2025	264	-1.38	1.08	-0.42	0.0	-1.41e-04	4.79e-05
2025	276	-0.58	1.93	-0.40	0.0	-1.07e-04	4.00e-05
2025	298	-0.55	0.98	-0.38	0.0	-1.01e-04	3.64e-05
2025	305	-0.68	0.93	-0.37	0.0	-1.02e-04	3.61e-05
2025	307	-0.52	1.10	-0.36	0.0	-9.52e-05	3.45e-05
2025	310	-0.52	0.93	-0.37	0.0	-9.51e-05	3.44e-05
2026	44	-0.55	0.01	-0.16	0.0	-1.96e-04	8.56e-06
2026	70	-0.01	0.51	-0.04	0.0	2.88e-06	-7.85e-06
2026	76	-0.06	-0.16	-0.19	0.0	-5.73e-06	-1.24e-05
2026	123	-4.09	1.37	-4.77e-03	0.0	-1.43e-03	8.53e-05
2026	140	-0.56	-4.77	-0.59	0.0	-4.86e-04	4.58e-06
2026	155	-4.59	1.55	8.34e-03	0.0	-1.61e-03	9.69e-05
2026	172	-0.62	-5.39	-0.66	0.0	-5.45e-04	5.96e-06
2026	187	-4.52	1.60	0.01	0.0	-1.58e-03	9.61e-05
2026	204	-0.62	-5.53	-0.67	0.0	-5.34e-04	4.25e-06
2026	219	-5.24	1.92	0.04	0.0	-1.84e-03	1.14e-04
2026	236	-0.72	-6.57	-0.78	0.0	-6.21e-04	5.62e-06
2026	264	-0.37	9.30e-03	-0.12	0.0	-1.31e-04	5.41e-06
2026	274	-0.02	0.34	-0.05	0.0	1.04e-06	-6.88e-06
2026	280	-0.04	-0.11	-0.14	0.0	-4.02e-06	-8.56e-06
2026	298	-0.03	-7.57e-03	-0.11	0.0	-2.79e-06	-7.42e-06
2026	305	-0.10	-3.92e-03	-0.10	0.0	-2.83e-05	-4.30e-06
2026	306	-0.02	0.06	-0.07	0.0	-1.64e-06	-4.62e-06
2026	310	-0.03	-7.14e-03	-0.10	0.0	-2.72e-06	-6.95e-06
2027	44	-0.64	0.11	-0.22	0.0	-1.69e-04	0.0
2027	68	-0.04	0.64	-0.16	0.0	-6.23e-05	-1.06e-05
2027	76	-0.06	-0.07	-0.26	0.0	-7.23e-05	-9.36e-06
2027	123	-4.73	1.55	-0.04	0.0	-1.37e-03	2.35e-05
2027	137	0.58	5.31	0.39	0.0	1.22e-04	-1.37e-05
2027	140	-0.64	-5.21	-0.66	0.0	-2.00e-04	3.12e-06
2027	155	-5.32	1.75	-0.02	0.0	-1.54e-03	2.74e-05
2027	169	0.66	6.00	0.46	0.0	1.42e-04	-1.49e-05
2027	172	-0.72	-5.90	-0.73	0.0	-2.20e-04	4.30e-06
2027	187	-5.23	1.81	-0.02	0.0	-1.51e-03	3.01e-05
2027	201	0.65	6.15	0.47	0.0	1.41e-04	-1.45e-05
2027	204	-0.71	-6.05	-0.75	0.0	-2.19e-04	3.99e-06
2027	219	-6.07	2.16	9.59e-03	0.0	-1.75e-03	3.79e-05
2027	233	0.77	7.31	0.59	0.0	1.72e-04	-1.63e-05
2027	236	-0.83	-7.21	-0.87	0.0	-2.50e-04	5.79e-06
2027	264	-0.43	0.07	-0.16	0.0	-1.15e-04	0.0
2027	276	-0.03	0.43	-0.12	0.0	-4.36e-05	-7.29e-06
2027	280	-0.04	-0.05	-0.18	0.0	-5.03e-05	-6.50e-06
2027	298	-0.03	0.05	-0.14	0.0	-4.13e-05	-5.59e-06
2027	305	-0.11	0.05	-0.14	0.0	-5.34e-05	-4.03e-06
2027	307	-0.03	0.12	-0.13	0.0	-3.91e-05	-5.54e-06
2027	310	-0.03	0.05	-0.14	0.0	-3.92e-05	-5.28e-06
2028	28	-0.72	0.53	-0.27	0.0	-1.50e-04	1.28e-05

2028	44	-1.02	0.46	-0.26	0.0	-1.84e-04	1.06e-05
2028	68	-0.19	1.31	-0.25	0.0	-6.73e-05	9.32e-06
2028	123	-7.41	2.73	-0.36	0.0	-1.15e-03	2.77e-04
2028	127	-7.33	2.97	-0.36	0.0	-1.06e-03	2.37e-04
2028	137	0.93	9.06	-0.22	0.0	3.56e-04	6.39e-05
2028	155	-8.32	3.06	-0.38	0.0	-1.28e-03	3.11e-04
2028	159	-8.22	3.33	-0.39	0.0	-1.19e-03	2.66e-04
2028	169	1.06	10.21	-0.23	0.0	4.05e-04	7.13e-05
2028	187	-8.18	3.16	-0.38	0.0	-1.26e-03	3.08e-04
2028	191	-8.09	3.40	-0.38	0.0	-1.17e-03	2.61e-04
2028	201	1.04	10.47	-0.24	0.0	3.98e-04	7.06e-05
2028	219	-9.49	3.74	-0.42	0.0	-1.46e-03	3.60e-04
2028	223	-9.38	3.99	-0.42	0.0	-1.35e-03	3.03e-04
2028	233	1.24	12.40	-0.26	0.0	4.72e-04	8.16e-05
2028	256	-0.49	0.37	-0.19	0.0	-1.02e-04	8.80e-06
2028	264	-0.69	0.32	-0.19	0.0	-1.25e-04	7.37e-06
2028	276	-0.13	0.89	-0.18	0.0	-4.71e-05	6.49e-06
2028	298	-0.13	0.29	-0.16	0.0	-4.68e-05	7.12e-06
2028	305	-0.24	0.27	-0.16	0.0	-5.96e-05	6.68e-06
2028	307	-0.13	0.39	-0.15	0.0	-4.39e-05	6.50e-06
2028	310	-0.13	0.27	-0.15	0.0	-4.43e-05	6.57e-06
2029	28	-0.80	0.63	-0.29	0.0	-1.50e-04	1.10e-05
2029	44	-1.11	0.55	-0.27	0.0	-1.84e-04	9.88e-06
2029	68	-0.22	1.47	-0.26	0.0	-6.77e-05	6.53e-06
2029	123	-7.96	3.04	-0.38	0.0	-1.08e-03	2.29e-04
2029	127	-7.87	3.31	-0.38	0.0	-9.97e-04	1.86e-04
2029	137	0.99	10.01	-0.24	0.0	3.34e-04	1.43e-04
2029	155	-8.93	3.41	-0.41	0.0	-1.20e-03	2.57e-04
2029	159	-8.83	3.70	-0.41	0.0	-1.11e-03	2.09e-04
2029	169	1.13	11.28	-0.25	0.0	3.80e-04	1.60e-04
2029	187	-8.79	3.51	-0.40	0.0	-1.18e-03	2.55e-04
2029	191	-8.69	3.78	-0.41	0.0	-1.10e-03	2.05e-04
2029	201	1.11	11.56	-0.26	0.0	3.73e-04	1.55e-04
2029	219	-10.19	4.16	-0.44	0.0	-1.37e-03	2.98e-04
2029	223	-10.07	4.44	-0.45	0.0	-1.27e-03	2.37e-04
2029	233	1.31	13.69	-0.28	0.0	4.43e-04	1.81e-04
2029	256	-0.54	0.44	-0.20	0.0	-1.02e-04	7.56e-06
2029	264	-0.75	0.38	-0.20	0.0	-1.25e-04	6.80e-06
2029	276	-0.16	1.00	-0.18	0.0	-4.74e-05	4.56e-06
2029	298	-0.16	0.34	-0.16	0.0	-4.71e-05	5.58e-06
2029	305	-0.27	0.33	-0.16	0.0	-5.97e-05	5.42e-06
2029	307	-0.15	0.45	-0.16	0.0	-4.42e-05	4.97e-06
2029	310	-0.15	0.32	-0.16	0.0	-4.45e-05	5.12e-06
2030	28	-0.72	0.53	-0.24	0.0	-1.53e-04	8.66e-06
2030	44	-1.01	0.46	-0.24	0.0	-1.87e-04	6.06e-06
2030	68	-0.19	1.31	-0.18	0.0	-7.01e-05	6.59e-06
2030	123	-7.30	2.73	-0.37	0.0	-1.19e-03	2.81e-04
2030	128	-6.76	-1.92	-0.42	0.0	-1.10e-03	1.87e-04
2030	137	0.95	9.06	0.03	0.0	1.29e-04	6.15e-05
2030	155	-8.20	3.06	-0.40	0.0	-1.33e-03	3.15e-04
2030	160	-7.58	-2.21	-0.46	0.0	-1.23e-03	2.10e-04
2030	169	1.08	10.21	0.05	0.0	1.50e-04	6.88e-05
2030	187	-8.07	3.16	-0.39	0.0	-1.31e-03	3.12e-04
2030	192	-7.46	-2.29	-0.45	0.0	-1.21e-03	2.06e-04
2030	201	1.05	10.47	0.05	0.0	1.46e-04	6.79e-05
2030	219	-9.36	3.74	-0.44	0.0	-1.51e-03	3.65e-04
2030	224	-8.65	-2.77	-0.51	0.0	-1.40e-03	2.39e-04
2030	233	1.24	12.40	0.08	0.0	1.77e-04	7.87e-05
2030	256	-0.49	0.37	-0.17	0.0	-1.04e-04	5.97e-06
2030	264	-0.68	0.32	-0.17	0.0	-1.27e-04	4.23e-06
2030	276	-0.13	0.89	-0.13	0.0	-4.91e-05	4.59e-06
2030	305	-0.23	0.27	-0.14	0.0	-6.10e-05	4.86e-06
2030	307	-0.12	0.39	-0.13	0.0	-4.55e-05	4.93e-06
2030	310	-0.12	0.27	-0.13	0.0	-4.58e-05	5.04e-06
2031	28	-0.79	0.63	-0.26	0.0	-1.51e-04	9.67e-06
2031	44	-1.11	0.55	-0.25	0.0	-1.84e-04	7.85e-06
2031	68	-0.22	1.47	-0.20	0.0	-7.00e-05	6.07e-06
2031	123	-7.89	3.03	-0.39	0.0	-1.14e-03	2.23e-04
2031	128	-7.30	-2.08	-0.44	0.0	-1.06e-03	1.25e-04
2031	137	1.01	9.97	0.03	0.0	1.22e-04	1.43e-04
2031	155	-8.85	3.39	-0.42	0.0	-1.28e-03	2.50e-04
2031	160	-8.19	-2.39	-0.48	0.0	-1.18e-03	1.40e-04
2031	169	1.15	11.24	0.05	0.0	1.43e-04	1.60e-04
2031	187	-8.71	3.50	-0.41	0.0	-1.25e-03	2.48e-04
2031	192	-8.06	-2.47	-0.48	0.0	-1.16e-03	1.38e-04

2031	201	1.12	11.52	0.05	0.0	1.38e-04	1.56e-04
2031	219	-10.10	4.14	-0.46	0.0	-1.45e-03	2.90e-04
2031	224	-9.34	-3.01	-0.53	0.0	-1.34e-03	1.59e-04
2031	233	1.33	13.64	0.09	0.0	1.69e-04	1.81e-04
2031	256	-0.54	0.44	-0.18	0.0	-1.03e-04	6.64e-06
2031	264	-0.74	0.38	-0.18	0.0	-1.25e-04	5.43e-06
2031	276	-0.16	1.00	-0.14	0.0	-4.90e-05	4.25e-06
2031	305	-0.26	0.33	-0.14	0.0	-6.06e-05	5.00e-06
2031	307	-0.15	0.45	-0.14	0.0	-4.55e-05	4.77e-06
2031	310	-0.15	0.32	-0.14	0.0	-4.58e-05	4.93e-06
2032	44	-1.01	0.46	-0.21	0.0	-1.87e-04	1.85e-06
2032	68	-0.18	1.31	-0.10	0.0	-7.20e-05	4.11e-06
2032	123	-7.20	2.73	-0.38	0.0	-1.22e-03	2.84e-04
2032	137	0.95	9.06	0.45	0.0	1.35e-04	6.01e-05
2032	144	-1.38	-7.81	-0.67	0.0	-2.56e-04	-2.16e-05
2032	155	-8.07	3.06	-0.42	0.0	-1.36e-03	3.19e-04
2032	169	1.08	10.22	0.53	0.0	1.57e-04	6.74e-05
2032	176	-1.54	-8.88	-0.75	0.0	-2.82e-04	-2.47e-05
2032	187	-7.95	3.16	-0.40	0.0	-1.34e-03	3.16e-04
2032	201	1.05	10.47	0.54	0.0	1.53e-04	6.65e-05
2032	208	-1.51	-9.13	-0.76	0.0	-2.78e-04	-2.31e-05
2032	219	-9.22	3.74	-0.45	0.0	-1.55e-03	3.69e-04
2032	233	1.25	12.41	0.66	0.0	1.86e-04	7.72e-05
2032	240	-1.72	-10.91	-0.88	0.0	-3.14e-04	-2.81e-05
2032	264	-0.68	0.32	-0.15	0.0	-1.27e-04	1.35e-06
2032	276	-0.13	0.89	-0.07	0.0	-5.04e-05	2.86e-06
2032	305	-0.23	0.27	-0.11	0.0	-6.19e-05	3.15e-06
2032	307	-0.12	0.39	-0.09	0.0	-4.65e-05	3.45e-06
2032	310	-0.12	0.27	-0.10	0.0	-4.68e-05	3.59e-06
2033	44	-1.10	0.55	-0.22	0.0	-1.82e-04	7.10e-06
2033	68	-0.22	1.47	-0.11	0.0	-7.09e-05	6.44e-06
2033	123	-7.81	3.03	-0.39	0.0	-1.21e-03	2.28e-04
2033	137	1.02	9.96	0.44	0.0	1.34e-04	1.43e-04
2033	144	-1.51	-8.53	-0.67	0.0	-2.53e-04	-4.14e-05
2033	155	-8.76	3.39	-0.43	0.0	-1.35e-03	2.56e-04
2033	169	1.16	11.22	0.51	0.0	1.56e-04	1.60e-04
2033	176	-1.68	-9.69	-0.75	0.0	-2.79e-04	-4.73e-05
2033	187	-8.62	3.50	-0.42	0.0	-1.33e-03	2.54e-04
2033	201	1.13	11.50	0.52	0.0	1.52e-04	1.56e-04
2033	208	-1.64	-9.97	-0.76	0.0	-2.74e-04	-4.55e-05
2033	219	-10.00	4.14	-0.46	0.0	-1.54e-03	2.97e-04
2033	233	1.34	13.62	0.64	0.0	1.84e-04	1.81e-04
2033	240	-1.88	-11.92	-0.88	0.0	-3.11e-04	-5.45e-05
2033	264	-0.74	0.38	-0.16	0.0	-1.23e-04	4.94e-06
2033	276	-0.15	1.00	-0.09	0.0	-4.96e-05	4.50e-06
2033	305	-0.26	0.33	-0.12	0.0	-6.07e-05	5.01e-06
2033	307	-0.14	0.45	-0.10	0.0	-4.59e-05	4.92e-06
2033	310	-0.14	0.33	-0.11	0.0	-4.62e-05	5.05e-06
2034	28	-1.49	1.54	-0.72	0.0	-2.24e-04	9.15e-05
2034	44	-1.84	1.34	-0.64	0.0	-2.17e-04	8.21e-05
2034	68	-0.68	2.56	-0.58	0.0	-1.69e-04	6.66e-05
2034	123	-10.81	3.73	-0.36	0.0	-2.91e-04	-4.75e-05
2034	137	0.91	13.84	0.05	0.0	-7.94e-05	3.01e-04
2034	140	-1.78	-12.24	-0.85	0.0	-1.28e-04	-2.14e-04
2034	155	-12.10	4.12	-0.36	0.0	-3.15e-04	-5.81e-05
2034	169	1.08	15.56	0.11	0.0	-7.65e-05	3.34e-04
2034	172	-1.94	-13.95	-0.91	0.0	-1.31e-04	-2.47e-04
2034	187	-11.91	4.26	-0.35	0.0	-3.11e-04	-5.12e-05
2034	201	1.06	15.94	0.13	0.0	-7.77e-05	3.32e-04
2034	204	-1.93	-14.34	-0.92	0.0	-1.30e-04	-2.45e-04
2034	219	-13.77	4.98	-0.34	0.0	-3.45e-04	-6.23e-05
2034	233	1.32	18.81	0.23	0.0	-7.37e-05	3.83e-04
2034	236	-2.19	-17.21	-1.02	0.0	-1.34e-04	-2.96e-04
2034	256	-1.02	1.07	-0.51	0.0	-1.55e-04	6.27e-05
2034	264	-1.25	0.93	-0.46	0.0	-1.50e-04	5.64e-05
2034	276	-0.48	1.75	-0.41	0.0	-1.18e-04	4.61e-05
2034	298	-0.46	0.85	-0.42	0.0	-1.10e-04	4.69e-05
2034	305	-0.59	0.80	-0.40	0.0	-1.11e-04	4.55e-05
2034	307	-0.43	0.97	-0.39	0.0	-1.04e-04	4.35e-05
2034	310	-0.43	0.80	-0.40	0.0	-1.04e-04	4.34e-05
2035	18	0.13	1.59	-0.17	0.0	-7.94e-04	-1.08e-04
2035	44	-2.63	1.78	-0.11	0.0	1.10e-03	3.73e-04
2035	68	-0.78	2.95	-0.11	0.0	-1.64e-04	5.27e-05
2035	123	-10.96	4.66	0.14	0.0	5.82e-05	8.89e-05
2035	129	0.23	15.60	0.21	0.0	-1.69e-04	4.54e-04

2035	134	4.20	-12.40	-0.52	0.0	-9.85e-05	-2.73e-04
2035	155	-12.26	5.15	0.18	0.0	7.81e-05	9.66e-05
2035	161	0.32	17.55	0.25	0.0	-1.76e-04	5.08e-04
2035	166	4.78	-14.18	-0.57	0.0	-9.89e-05	-3.12e-04
2035	187	-12.07	5.32	0.18	0.0	7.56e-05	1.01e-04
2035	193	0.32	18.18	0.27	0.0	-1.70e-04	5.15e-04
2035	198	4.68	-14.78	-0.58	0.0	-1.03e-04	-3.21e-04
2035	219	-13.94	6.22	0.23	0.0	1.04e-04	1.16e-04
2035	225	0.45	21.71	0.35	0.0	-1.80e-04	6.08e-04
2035	230	5.52	-18.03	-0.68	0.0	-1.04e-04	-3.93e-04
2035	251	0.06	1.11	-0.13	0.0	-5.35e-04	-7.01e-05
2035	264	-1.78	1.24	-0.09	0.0	7.28e-04	2.50e-04
2035	276	-0.54	2.02	-0.09	0.0	-1.15e-04	3.69e-05
2035	303	-0.37	1.00	-0.11	0.0	-1.85e-04	1.06e-05
2035	305	-0.74	1.03	-0.11	0.0	6.78e-05	7.47e-05
2035	307	-0.49	1.18	-0.11	0.0	-1.01e-04	3.20e-05
2035	310	-0.49	1.01	-0.11	0.0	-1.01e-04	3.19e-05
2036	28	-0.72	0.84	0.44	-1.12e-03	-1.31e-03	2.48e-05
2036	44	-1.02	0.73	0.38	-9.42e-04	-1.09e-03	2.98e-05
2036	68	-0.17	1.75	0.35	-9.22e-04	-1.04e-03	1.32e-05
2036	116	-10.60	-4.84	0.59	-8.12e-04	-1.00e-03	-2.64e-04
2036	137	4.53	11.17	0.03	-4.74e-04	-3.74e-04	1.99e-04
2036	148	-11.90	-5.53	0.64	-8.41e-04	-1.04e-03	-2.98e-04
2036	169	5.11	12.58	4.87e-03	-4.61e-04	-3.34e-04	2.24e-04
2036	180	-11.79	-5.68	0.63	-8.38e-04	-1.04e-03	-2.97e-04
2036	201	5.11	12.90	4.63e-03	-4.62e-04	-3.31e-04	2.23e-04
2036	212	-13.79	-6.87	0.71	-8.83e-04	-1.11e-03	-3.52e-04
2036	233	6.03	15.26	-0.03	-4.41e-04	-2.65e-04	2.62e-04
2036	256	-0.49	0.58	0.30	-7.69e-04	-8.99e-04	1.69e-05
2036	264	-0.69	0.50	0.26	-6.52e-04	-7.55e-04	2.03e-05
2036	276	-0.12	1.19	0.24	-6.38e-04	-7.24e-04	9.20e-06
2036	298	-0.13	0.46	0.22	-6.18e-04	-7.37e-04	7.75e-06
2036	305	-0.24	0.43	0.21	-5.80e-04	-6.90e-04	9.66e-06
2036	307	-0.12	0.57	0.20	-5.77e-04	-6.84e-04	7.45e-06
2036	310	-0.13	0.43	0.20	-5.77e-04	-6.86e-04	7.27e-06
2037	44	-1.28	0.73	-0.24	-1.33e-04	-1.09e-03	2.52e-05
2037	68	-0.29	1.74	-0.14	-2.17e-04	-1.04e-03	1.09e-05
2037	123	-8.96	3.44	-0.39	-1.46e-04	-9.03e-04	1.28e-04
2037	137	1.15	11.16	0.43	-8.55e-04	-3.74e-04	2.07e-04
2037	144	-1.75	-9.43	-0.70	6.65e-04	-1.01e-03	-1.16e-04
2037	155	-10.05	3.84	-0.42	-1.55e-04	-9.29e-04	1.43e-04
2037	169	1.31	12.57	0.51	-9.56e-04	-3.34e-04	2.33e-04
2037	176	-1.94	-10.73	-0.77	7.64e-04	-1.05e-03	-1.31e-04
2037	187	-9.89	3.96	-0.41	-1.66e-04	-9.21e-04	1.45e-04
2037	201	1.27	12.88	0.52	-9.80e-04	-3.31e-04	2.32e-04
2037	208	-1.90	-11.03	-0.79	7.85e-04	-1.05e-03	-1.32e-04
2037	219	-11.47	4.68	-0.45	-1.88e-04	-9.56e-04	1.72e-04
2037	233	1.51	15.24	0.64	-1.15e-03	-2.65e-04	2.72e-04
2037	240	-2.17	-13.21	-0.91	9.50e-04	-1.12e-03	-1.57e-04
2037	264	-0.86	0.51	-0.17	-9.41e-05	-7.55e-04	1.72e-05
2037	276	-0.20	1.18	-0.10	-1.50e-04	-7.24e-04	7.61e-06
2037	305	-0.32	0.44	-0.13	-8.64e-05	-6.90e-04	8.33e-06
2037	307	-0.19	0.57	-0.12	-9.75e-05	-6.84e-04	6.41e-06
2037	310	-0.19	0.43	-0.12	-8.80e-05	-6.86e-04	6.34e-06
2038	28	-0.81	0.62	-0.45	0.0	-1.54e-04	6.12e-06
2038	44	-1.12	0.54	-0.41	0.0	-1.93e-04	8.21e-06
2038	68	-0.23	1.49	-0.40	0.0	-6.32e-05	1.57e-06
2038	123	-8.08	3.08	-0.41	0.0	-9.04e-04	2.79e-05
2038	137	0.94	10.15	-0.37	0.0	2.74e-04	1.91e-04
2038	139	-2.89	8.73	-0.44	0.0	-1.71e-04	1.48e-05
2038	155	-9.07	3.45	-0.43	0.0	-1.01e-03	3.18e-05
2038	169	1.07	11.44	-0.38	0.0	3.13e-04	2.15e-04
2038	171	-3.22	9.84	-0.46	0.0	-1.87e-04	1.70e-05
2038	187	-8.92	3.55	-0.43	0.0	-9.93e-04	3.51e-05
2038	201	1.05	11.73	-0.39	0.0	3.07e-04	2.13e-04
2038	203	-3.16	10.11	-0.47	0.0	-1.84e-04	1.77e-05
2038	219	-10.34	4.21	-0.46	0.0	-1.15e-03	4.39e-05
2038	233	1.26	13.89	-0.41	0.0	3.66e-04	2.50e-04
2038	235	-3.66	11.98	-0.51	0.0	-2.07e-04	2.15e-05
2038	256	-0.55	0.43	-0.32	0.0	-1.05e-04	4.10e-06
2038	264	-0.75	0.37	-0.29	0.0	-1.31e-04	5.50e-06
2038	276	-0.16	1.01	-0.29	0.0	-4.44e-05	1.06e-06
2038	298	-0.16	0.34	-0.26	0.0	-4.54e-05	0.0
2038	305	-0.27	0.32	-0.25	0.0	-5.97e-05	1.72e-06
2038	307	-0.15	0.45	-0.25	0.0	-4.24e-05	0.0

2038	310	-0.15	0.31	-0.25	0.0	-4.30e-05	0.0
2039	28	-0.89	0.71	-0.45	0.0	-1.54e-04	9.31e-06
2039	44	-1.22	0.62	-0.41	0.0	-1.93e-04	1.25e-05
2039	68	-0.26	1.59	-0.40	0.0	-6.32e-05	1.72e-06
2039	123	-8.53	3.24	-0.41	0.0	-8.99e-04	4.20e-05
2039	137	0.98	10.58	-0.38	0.0	2.73e-04	1.90e-04
2039	139	-3.06	9.11	-0.45	0.0	-1.71e-04	1.55e-05
2039	155	-9.57	3.62	-0.43	0.0	-1.00e-03	4.75e-05
2039	169	1.12	11.92	-0.39	0.0	3.11e-04	2.14e-04
2039	171	-3.42	10.27	-0.48	0.0	-1.86e-04	1.75e-05
2039	187	-9.41	3.73	-0.43	0.0	-9.87e-04	5.08e-05
2039	201	1.10	12.22	-0.40	0.0	3.05e-04	2.11e-04
2039	203	-3.35	10.54	-0.48	0.0	-1.83e-04	1.77e-05
2039	219	-10.91	4.41	-0.46	0.0	-1.14e-03	6.22e-05
2039	233	1.32	14.47	-0.43	0.0	3.63e-04	2.47e-04
2039	235	-3.88	12.48	-0.52	0.0	-2.06e-04	2.13e-05
2039	256	-0.60	0.49	-0.32	0.0	-1.05e-04	6.28e-06
2039	264	-0.82	0.43	-0.29	0.0	-1.31e-04	8.43e-06
2039	276	-0.18	1.08	-0.29	0.0	-4.44e-05	1.22e-06
2039	298	-0.19	0.39	-0.26	0.0	-4.54e-05	1.73e-06
2039	305	-0.30	0.37	-0.25	0.0	-5.97e-05	2.90e-06
2039	307	-0.17	0.50	-0.25	0.0	-4.24e-05	1.45e-06
2039	310	-0.18	0.36	-0.25	0.0	-4.30e-05	1.56e-06
2040	28	-0.87	0.74	-0.30	0.0	-1.50e-04	1.12e-05
2040	44	-1.20	0.64	-0.29	0.0	-1.84e-04	1.23e-05
2040	68	-0.26	1.61	-0.27	0.0	-6.77e-05	4.00e-06
2040	123	-8.47	3.27	-0.40	0.0	-1.02e-03	1.55e-04
2040	127	-8.37	3.54	-0.40	0.0	-9.48e-04	1.10e-04
2040	137	1.04	10.63	-0.26	0.0	3.17e-04	1.63e-04
2040	155	-9.50	3.65	-0.43	0.0	-1.14e-03	1.74e-04
2040	159	-9.39	3.96	-0.43	0.0	-1.06e-03	1.23e-04
2040	169	1.19	11.98	-0.27	0.0	3.62e-04	1.83e-04
2040	187	-9.35	3.76	-0.42	0.0	-1.13e-03	1.74e-04
2040	191	-9.24	4.05	-0.43	0.0	-1.04e-03	1.20e-04
2040	201	1.17	12.28	-0.27	0.0	3.56e-04	1.79e-04
2040	219	-10.84	4.45	-0.47	0.0	-1.30e-03	2.04e-04
2040	223	-10.72	4.74	-0.47	0.0	-1.20e-03	1.39e-04
2040	233	1.39	14.53	-0.29	0.0	4.22e-04	2.09e-04
2040	256	-0.59	0.51	-0.22	0.0	-1.02e-04	7.64e-06
2040	264	-0.81	0.44	-0.21	0.0	-1.25e-04	8.35e-06
2040	276	-0.18	1.09	-0.19	0.0	-4.74e-05	2.83e-06
2040	298	-0.18	0.40	-0.17	0.0	-4.72e-05	4.14e-06
2040	305	-0.30	0.38	-0.17	0.0	-5.97e-05	4.67e-06
2040	307	-0.17	0.51	-0.17	0.0	-4.42e-05	3.57e-06
2040	310	-0.17	0.38	-0.17	0.0	-4.46e-05	3.79e-06
2041	28	-0.95	0.84	-0.34	0.0	-1.93e-04	1.31e-05
2041	44	-1.29	0.73	-0.32	0.0	-1.92e-04	1.80e-05
2041	68	-0.29	1.74	-0.30	0.0	-1.39e-04	3.16e-06
2041	123	-8.96	3.44	-0.42	0.0	-7.93e-04	6.06e-05
2041	127	-8.85	3.73	-0.42	0.0	-7.84e-04	1.30e-05
2041	137	1.09	11.15	-0.27	0.0	1.13e-05	1.86e-04
2041	155	-10.05	3.84	-0.45	0.0	-8.80e-04	6.84e-05
2041	159	-9.93	4.16	-0.45	0.0	-8.71e-04	1.45e-05
2041	169	1.25	12.55	-0.28	0.0	2.34e-05	2.09e-04
2041	187	-9.89	3.96	-0.45	0.0	-8.66e-04	7.18e-05
2041	191	-9.77	4.25	-0.45	0.0	-8.57e-04	1.54e-05
2041	201	1.22	12.87	-0.28	0.0	2.19e-05	2.06e-04
2041	219	-11.46	4.67	-0.49	0.0	-9.92e-04	8.68e-05
2041	223	-11.33	4.98	-0.50	0.0	-9.81e-04	1.83e-05
2041	233	1.46	15.22	-0.30	0.0	4.02e-05	2.41e-04
2041	256	-0.64	0.58	-0.24	0.0	-1.33e-04	8.94e-06
2041	264	-0.87	0.51	-0.23	0.0	-1.32e-04	1.22e-05
2041	276	-0.20	1.18	-0.21	0.0	-9.73e-05	2.30e-06
2041	298	-0.21	0.46	-0.19	0.0	-9.17e-05	2.64e-06
2041	305	-0.33	0.44	-0.19	0.0	-9.38e-05	4.33e-06
2041	307	-0.19	0.57	-0.19	0.0	-8.67e-05	2.36e-06
2041	310	-0.19	0.43	-0.18	0.0	-8.69e-05	2.49e-06
2042	28	-0.87	0.75	-0.28	0.0	-1.50e-04	1.10e-05
2042	44	-1.20	0.65	-0.28	0.0	-1.81e-04	1.08e-05
2042	68	-0.26	1.62	-0.22	0.0	-7.01e-05	4.65e-06
2042	123	-8.43	3.28	-0.41	0.0	-1.10e-03	1.17e-04
2042	128	-7.80	-2.16	-0.47	0.0	-1.08e-03	1.86e-05
2042	137	1.07	10.65	0.02	0.0	3.45e-04	1.67e-04
2042	155	-9.46	3.67	-0.45	0.0	-1.23e-03	1.31e-04
2042	160	-8.75	-2.49	-0.51	0.0	-1.21e-03	2.03e-05

2042	169	1.22	12.00	0.04	0.0	3.93e-04	1.87e-04
2042	187	-9.31	3.78	-0.44	0.0	-1.21e-03	1.31e-04
2042	192	-8.61	-2.58	-0.51	0.0	-1.19e-03	1.94e-05
2042	201	1.19	12.30	0.05	0.0	3.86e-04	1.82e-04
2042	219	-10.79	4.47	-0.48	0.0	-1.39e-03	1.54e-04
2042	224	-9.98	-3.15	-0.56	0.0	-1.38e-03	2.14e-05
2042	233	1.41	14.56	0.08	0.0	4.58e-04	2.12e-04
2042	256	-0.59	0.51	-0.20	0.0	-1.02e-04	7.54e-06
2042	264	-0.81	0.45	-0.20	0.0	-1.23e-04	7.35e-06
2042	276	-0.18	1.10	-0.16	0.0	-4.91e-05	3.28e-06
2042	305	-0.29	0.39	-0.16	0.0	-6.05e-05	5.01e-06
2042	307	-0.17	0.52	-0.15	0.0	-4.57e-05	4.20e-06
2042	310	-0.17	0.38	-0.15	0.0	-4.60e-05	4.46e-06
2043	28	-0.94	0.84	-0.32	0.0	-3.08e-04	1.33e-05
2043	44	-1.29	0.73	-0.31	0.0	-2.85e-04	1.88e-05
2043	68	-0.29	1.74	-0.25	0.0	-2.29e-04	3.83e-06
2043	123	-8.96	3.44	-0.45	0.0	-7.88e-04	1.11e-04
2043	124	-8.19	-1.95	-0.50	0.0	-7.30e-04	-5.10e-05
2043	137	1.12	11.15	-2.17e-03	0.0	-5.71e-05	1.90e-04
2043	155	-10.05	3.84	-0.48	0.0	-8.67e-04	1.25e-04
2043	156	-9.18	-2.27	-0.55	0.0	-8.02e-04	-5.82e-05
2043	169	1.28	12.56	0.02	0.0	-4.58e-05	2.13e-04
2043	187	-9.89	3.96	-0.48	0.0	-8.54e-04	1.25e-04
2043	188	-9.04	-2.38	-0.54	0.0	-7.91e-04	-6.17e-05
2043	201	1.25	12.87	0.02	0.0	-4.68e-05	2.11e-04
2043	219	-11.46	4.67	-0.53	0.0	-9.68e-04	1.49e-04
2043	220	-10.47	-2.97	-0.60	0.0	-8.94e-04	-7.60e-05
2043	233	1.49	15.23	0.06	0.0	-2.97e-05	2.47e-04
2043	256	-0.64	0.58	-0.23	0.0	-2.12e-04	9.07e-06
2043	264	-0.87	0.51	-0.22	0.0	-1.97e-04	1.27e-05
2043	276	-0.20	1.18	-0.18	0.0	-1.60e-04	2.77e-06
2043	298	-0.20	0.46	-0.18	0.0	-1.58e-04	2.36e-06
2043	305	-0.32	0.44	-0.18	0.0	-1.55e-04	4.23e-06
2043	307	-0.19	0.57	-0.17	0.0	-1.48e-04	2.24e-06
2043	310	-0.19	0.43	-0.17	0.0	-1.48e-04	2.26e-06
2044	44	-1.19	0.67	-0.24	0.0	-1.77e-04	8.87e-06
2044	68	-0.25	1.64	-0.14	0.0	-7.18e-05	5.94e-06
2044	123	-8.44	3.31	-0.41	0.0	-1.15e-03	9.79e-05
2044	137	1.10	10.69	0.41	0.0	3.66e-04	3.35e-06
2044	144	-1.64	-9.06	-0.67	0.0	-4.85e-04	9.66e-05
2044	155	-9.46	3.70	-0.44	0.0	-1.29e-03	1.09e-04
2044	169	1.25	12.04	0.48	0.0	4.17e-04	3.02e-06
2044	176	-1.82	-10.30	-0.75	0.0	-5.39e-04	1.08e-04
2044	187	-9.32	3.81	-0.43	0.0	-1.27e-03	1.08e-04
2044	201	1.22	12.34	0.49	0.0	4.10e-04	5.14e-06
2044	208	-1.79	-10.60	-0.76	0.0	-5.32e-04	1.03e-04
2044	219	-10.80	4.50	-0.47	0.0	-1.47e-03	1.27e-04
2044	233	1.44	14.61	0.61	0.0	4.86e-04	5.41e-06
2044	240	-2.04	-12.68	-0.88	0.0	-6.12e-04	1.19e-04
2044	264	-0.80	0.46	-0.17	0.0	-1.21e-04	6.11e-06
2044	276	-0.18	1.11	-0.10	0.0	-5.02e-05	4.16e-06
2044	305	-0.29	0.40	-0.13	0.0	-6.08e-05	5.79e-06
2044	307	-0.17	0.53	-0.12	0.0	-4.67e-05	5.40e-06
2044	310	-0.17	0.39	-0.13	0.0	-4.70e-05	5.75e-06
2045	28	-0.94	0.84	-0.28	-1.58e-04	-1.31e-03	2.10e-05
2045	44	-1.28	0.73	-0.28	-1.32e-04	-1.09e-03	2.51e-05
2045	68	-0.29	1.74	-0.17	-2.16e-04	-1.04e-03	1.08e-05
2045	123	-8.96	3.44	-0.42	-1.46e-04	-9.03e-04	1.27e-04
2045	137	1.14	11.16	0.38	-8.54e-04	-3.74e-04	2.07e-04
2045	144	-1.75	-9.43	-0.69	6.66e-04	-1.01e-03	-1.15e-04
2045	155	-10.05	3.84	-0.45	-1.54e-04	-9.29e-04	1.43e-04
2045	169	1.31	12.57	0.45	-9.55e-04	-3.34e-04	2.32e-04
2045	176	-1.94	-10.73	-0.76	7.65e-04	-1.05e-03	-1.31e-04
2045	187	-9.89	3.96	-0.44	-1.65e-04	-9.21e-04	1.44e-04
2045	201	1.27	12.88	0.46	-9.79e-04	-3.31e-04	2.32e-04
2045	208	-1.91	-11.03	-0.77	7.86e-04	-1.05e-03	-1.32e-04
2045	219	-11.47	4.68	-0.48	-1.87e-04	-9.56e-04	1.71e-04
2045	233	1.51	15.24	0.57	-1.15e-03	-2.65e-04	2.72e-04
2045	240	-2.18	-13.21	-0.88	9.51e-04	-1.12e-03	-1.57e-04
2045	256	-0.63	0.58	-0.20	-1.10e-04	-8.99e-04	1.44e-05
2045	264	-0.86	0.51	-0.20	-9.33e-05	-7.55e-04	1.71e-05
2045	276	-0.20	1.18	-0.13	-1.49e-04	-7.24e-04	7.55e-06
2045	305	-0.32	0.44	-0.15	-8.57e-05	-6.90e-04	8.30e-06
2045	307	-0.19	0.57	-0.14	-9.68e-05	-6.84e-04	6.38e-06
2045	310	-0.19	0.43	-0.15	-8.74e-05	-6.86e-04	6.32e-06

2046	28	-0.29	0.11	0.21	-8.85e-04	-1.46e-04	1.67e-05
2046	43	-0.47	0.10	0.18	-7.26e-04	-1.31e-04	2.13e-05
2046	68	-8.68e-03	0.65	0.17	-7.28e-04	-9.41e-05	5.57e-06
2046	116	-5.47	-2.54	0.31	-5.86e-04	-2.74e-04	-1.13e-04
2046	137	2.38	5.33	5.88e-03	-4.46e-04	1.22e-04	8.80e-05
2046	148	-6.14	-2.88	0.33	-6.02e-04	-3.00e-04	-1.27e-04
2046	169	2.68	6.02	-5.87e-03	-4.44e-04	1.47e-04	9.86e-05
2046	180	-6.08	-2.95	0.33	-6.00e-04	-3.01e-04	-1.26e-04
2046	201	2.67	6.17	-5.83e-03	-4.45e-04	1.51e-04	9.77e-05
2046	212	-7.12	-3.54	0.37	-6.24e-04	-3.42e-04	-1.50e-04
2046	233	3.14	7.33	-0.02	-4.42e-04	1.92e-04	1.14e-04
2046	256	-0.19	0.08	0.14	-6.09e-04	-9.97e-05	1.14e-05
2046	263	-0.31	0.07	0.12	-5.02e-04	-8.92e-05	1.44e-05
2046	276	-6.09e-03	0.44	0.11	-5.04e-04	-6.49e-05	3.93e-06
2046	298	-8.51e-03	0.06	0.11	-4.96e-04	-7.49e-05	4.33e-06
2046	305	-0.07	0.05	0.10	-4.63e-04	-7.21e-05	6.09e-06
2046	307	-7.70e-03	0.13	0.10	-4.62e-04	-6.74e-05	3.95e-06
2046	310	-8.17e-03	0.05	0.10	-4.62e-04	-6.92e-05	4.07e-06
2047	44	-1.08	0.35	-1.89	-4.03e-04	0.0	7.46e-05
2047	52	-0.04	0.94	-2.14	-5.20e-04	0.0	7.09e-05
2047	68	-0.02	1.25	-1.91	-4.97e-04	0.0	5.68e-05
2047	123	-8.45	2.41	-1.60	-5.55e-04	0.0	1.40e-04
2047	137	2.59	9.92	-1.65	-1.30e-03	0.0	1.90e-04
2047	139	-0.94	8.56	-1.83	-1.15e-03	0.0	6.37e-05
2047	155	-9.49	2.71	-1.66	-5.96e-04	0.0	1.53e-04
2047	169	2.91	11.20	-1.71	-1.44e-03	0.0	2.08e-04
2047	171	-1.05	9.66	-1.92	-1.27e-03	0.0	6.67e-05
2047	187	-9.34	2.81	-1.66	-6.07e-04	0.0	1.54e-04
2047	201	2.83	11.49	-1.73	-1.47e-03	0.0	2.04e-04
2047	203	-1.05	9.92	-1.93	-1.30e-03	0.0	6.47e-05
2047	219	-10.85	3.36	-1.75	-6.81e-04	0.0	1.75e-04
2047	233	3.30	13.64	-1.85	-1.70e-03	0.0	2.31e-04
2047	235	-1.23	11.77	-2.08	-1.50e-03	0.0	6.86e-05
2047	264	-0.73	0.24	-1.33	-2.81e-04	0.0	5.20e-05
2047	268	-0.03	0.63	-1.50	-3.59e-04	0.0	4.95e-05
2047	276	-0.02	0.84	-1.34	-3.44e-04	0.0	4.01e-05
2047	298	-0.04	0.21	-1.20	-2.56e-04	0.0	4.30e-05
2047	305	-0.18	0.20	-1.14	-2.43e-04	0.0	4.18e-05
2047	307	-0.04	0.32	-1.15	-2.56e-04	0.0	3.94e-05
2047	310	-0.04	0.20	-1.14	-2.42e-04	0.0	4.07e-05
2048	42	-0.61	0.07	-0.08	-8.03e-05	-6.92e-05	1.36e-05
2048	44	-0.63	0.11	-0.06	-1.64e-04	-1.29e-04	1.57e-05
2048	68	-0.06	0.65	0.04	-2.80e-04	-9.41e-05	4.38e-06
2048	123	-4.73	1.56	-0.26	-1.51e-04	-2.22e-04	7.53e-05
2048	137	0.68	5.33	0.52	-1.11e-03	1.22e-04	1.01e-04
2048	144	-0.88	-4.79	-0.55	8.64e-04	-2.68e-04	-5.29e-05
2048	155	-5.31	1.76	-0.29	-1.57e-04	-2.40e-04	8.45e-05
2048	169	0.76	6.03	0.59	-1.24e-03	1.47e-04	1.13e-04
2048	176	-0.98	-5.43	-0.63	9.93e-04	-2.94e-04	-6.01e-05
2048	187	-5.23	1.82	-0.28	-1.71e-04	-2.35e-04	8.52e-05
2048	201	0.74	6.18	0.61	-1.27e-03	1.51e-04	1.13e-04
2048	208	-0.96	-5.57	-0.64	1.02e-03	-2.98e-04	-6.00e-05
2048	219	-6.07	2.17	-0.31	-1.92e-04	-2.60e-04	1.01e-04
2048	233	0.87	7.34	0.72	-1.49e-03	1.92e-04	1.32e-04
2048	240	-1.11	-6.64	-0.76	1.24e-03	-3.39e-04	-7.15e-05
2048	262	-0.41	0.05	-0.06	-5.90e-05	-4.83e-05	9.22e-06
2048	264	-0.42	0.07	-0.04	-1.15e-04	-8.83e-05	1.06e-05
2048	276	-0.04	0.43	0.02	-1.92e-04	-6.49e-05	3.08e-06
2048	304	-0.10	0.03	-0.03	-6.74e-05	-3.78e-05	3.36e-06
2048	305	-0.12	0.06	-0.01	-1.15e-04	-7.21e-05	4.55e-06
2048	307	-0.04	0.13	-9.52e-04	-1.30e-04	-6.74e-05	3.05e-06
2048	309	-0.03	0.03	-0.02	-7.04e-05	-3.49e-05	1.94e-06
2048	310	-0.04	0.05	-7.50e-03	-1.18e-04	-6.92e-05	3.13e-06
2049	4	0.08	0.21	-0.31	-1.67e-04	0.0	-3.86e-05
2049	44	-0.75	0.28	-0.24	-1.54e-04	0.0	-2.29e-05
2049	68	-0.10	0.80	-0.28	-2.62e-04	0.0	-5.92e-05
2049	121	4.75	1.62	-0.31	-5.24e-04	0.0	-1.05e-04
2049	123	-5.35	2.15	-0.07	-4.41e-04	0.0	-7.44e-05
2049	129	0.54	6.45	-0.27	-1.50e-03	0.0	-2.15e-04
2049	153	5.35	1.82	-0.33	-5.81e-04	0.0	-1.16e-04
2049	155	-6.00	2.42	-0.06	-4.88e-04	0.0	-8.18e-05
2049	161	0.61	7.29	-0.29	-1.69e-03	0.0	-2.41e-04
2049	185	5.26	1.90	-0.33	-5.99e-04	0.0	-1.18e-04
2049	187	-5.91	2.49	-0.06	-5.05e-04	0.0	-8.46e-05
2049	193	0.59	7.56	-0.29	-1.75e-03	0.0	-2.51e-04

2049	217	6.13	2.28	-0.35	-7.02e-04	0.0	-1.38e-04
2049	219	-6.85	2.97	-0.05	-5.92e-04	0.0	-9.84e-05
2049	225	0.70	9.09	-0.31	-2.09e-03	0.0	-3.00e-04
2049	244	0.05	0.15	-0.22	-1.16e-04	0.0	-2.67e-05
2049	264	-0.50	0.19	-0.17	-1.07e-04	0.0	-1.62e-05
2049	276	-0.07	0.54	-0.20	-1.79e-04	0.0	-4.04e-05
2049	298	-0.07	0.13	-0.18	-9.48e-05	0.0	-2.03e-05
2049	305	-0.15	0.14	-0.17	-9.05e-05	0.0	-1.81e-05
2049	307	-0.06	0.20	-0.17	-1.05e-04	0.0	-2.29e-05
2049	310	-0.06	0.12	-0.17	-8.92e-05	0.0	-1.91e-05
2050	44	-0.85	0.37	-0.27	-1.72e-04	0.0	-4.53e-05
2050	52	-0.15	0.73	-0.34	-2.66e-04	0.0	-8.70e-05
2050	68	-0.13	0.94	-0.30	-2.89e-04	0.0	-9.41e-05
2050	121	5.28	1.87	-0.34	-5.71e-04	0.0	-1.94e-04
2050	123	-5.97	2.44	-0.08	-4.84e-04	0.0	-1.54e-04
2050	129	0.58	7.27	-0.30	-1.63e-03	0.0	-4.53e-04
2050	153	5.95	2.09	-0.36	-6.33e-04	0.0	-2.16e-04
2050	155	-6.70	2.73	-0.07	-5.35e-04	0.0	-1.70e-04
2050	161	0.66	8.22	-0.32	-1.84e-03	0.0	-5.10e-04
2050	185	5.85	2.18	-0.36	-6.52e-04	0.0	-2.22e-04
2050	187	-6.60	2.82	-0.07	-5.53e-04	0.0	-1.76e-04
2050	193	0.65	8.52	-0.32	-1.90e-03	0.0	-5.30e-04
2050	217	6.81	2.61	-0.39	-7.65e-04	0.0	-2.60e-04
2050	219	-7.66	3.35	-0.05	-6.47e-04	0.0	-2.06e-04
2050	225	0.77	10.24	-0.34	-2.27e-03	0.0	-6.34e-04
2050	264	-0.57	0.25	-0.19	-1.20e-04	0.0	-3.18e-05
2050	268	-0.11	0.49	-0.24	-1.82e-04	0.0	-5.97e-05
2050	276	-0.09	0.64	-0.22	-1.98e-04	0.0	-6.44e-05
2050	298	-0.09	0.18	-0.20	-1.06e-04	0.0	-3.51e-05
2050	305	-0.18	0.18	-0.18	-1.01e-04	0.0	-3.20e-05
2050	307	-0.08	0.26	-0.19	-1.17e-04	0.0	-3.85e-05
2050	310	-0.08	0.17	-0.19	-1.00e-04	0.0	-3.31e-05
2051	44	-0.95	0.47	-0.28	-1.92e-04	0.0	-3.17e-05
2051	52	-0.19	0.88	-0.36	-2.95e-04	0.0	-6.86e-05
2051	68	-0.16	1.11	-0.32	-3.18e-04	0.0	-7.54e-05
2051	121	5.82	2.14	-0.36	-6.20e-04	0.0	-1.52e-04
2051	123	-6.60	2.75	-0.08	-5.29e-04	0.0	-1.12e-04
2051	129	0.63	8.18	-0.32	-1.77e-03	0.0	-3.31e-04
2051	153	6.55	2.40	-0.38	-6.88e-04	0.0	-1.69e-04
2051	155	-7.41	3.08	-0.07	-5.85e-04	0.0	-1.24e-04
2051	161	0.72	9.24	-0.34	-1.99e-03	0.0	-3.72e-04
2051	185	6.44	2.50	-0.38	-7.08e-04	0.0	-1.73e-04
2051	187	-7.29	3.18	-0.07	-6.04e-04	0.0	-1.28e-04
2051	193	0.70	9.58	-0.34	-2.07e-03	0.0	-3.88e-04
2051	217	7.51	2.98	-0.41	-8.30e-04	0.0	-2.03e-04
2051	219	-8.46	3.77	-0.05	-7.06e-04	0.0	-1.50e-04
2051	225	0.83	11.50	-0.37	-2.47e-03	0.0	-4.64e-04
2051	264	-0.64	0.32	-0.20	-1.33e-04	0.0	-2.24e-05
2051	268	-0.13	0.60	-0.25	-2.02e-04	0.0	-4.70e-05
2051	276	-0.11	0.75	-0.23	-2.18e-04	0.0	-5.15e-05
2051	298	-0.11	0.25	-0.21	-1.19e-04	0.0	-2.70e-05
2051	305	-0.21	0.24	-0.19	-1.13e-04	0.0	-2.42e-05
2051	307	-0.11	0.33	-0.20	-1.30e-04	0.0	-3.01e-05
2051	310	-0.11	0.23	-0.20	-1.12e-04	0.0	-2.55e-05
2052	44	-0.74	0.29	-0.25	-1.73e-04	0.0	-4.46e-06
2052	52	-0.11	0.62	-0.31	-2.68e-04	0.0	-2.61e-05
2052	68	-0.09	0.82	-0.27	-2.90e-04	0.0	-3.12e-05
2052	121	4.75	1.66	-0.24	-5.94e-04	0.0	-5.13e-05
2052	123	-5.34	2.18	-0.12	-5.03e-04	0.0	-2.00e-05
2052	129	0.54	6.55	-0.23	-1.71e-03	0.0	-6.23e-05
2052	153	5.35	1.87	-0.25	-6.59e-04	0.0	-5.67e-05
2052	155	-6.00	2.45	-0.11	-5.57e-04	0.0	-2.16e-05
2052	161	0.61	7.40	-0.23	-1.92e-03	0.0	-6.93e-05
2052	185	5.26	1.95	-0.25	-6.80e-04	0.0	-5.61e-05
2052	187	-5.90	2.53	-0.12	-5.76e-04	0.0	-2.19e-05
2052	193	0.59	7.68	-0.24	-1.99e-03	0.0	-7.01e-05
2052	217	6.12	2.33	-0.27	-7.97e-04	0.0	-6.48e-05
2052	219	-6.85	3.01	-0.11	-6.75e-04	0.0	-2.50e-05
2052	225	0.70	9.23	-0.25	-2.38e-03	0.0	-8.29e-05
2052	264	-0.50	0.20	-0.18	-1.20e-04	0.0	-3.37e-06
2052	268	-0.08	0.42	-0.22	-1.83e-04	0.0	-1.78e-05
2052	276	-0.07	0.56	-0.19	-1.98e-04	0.0	-2.12e-05
2052	298	-0.07	0.14	-0.18	-1.07e-04	0.0	-8.51e-06
2052	305	-0.15	0.14	-0.17	-1.02e-04	0.0	-6.88e-06
2052	307	-0.06	0.21	-0.17	-1.18e-04	0.0	-1.04e-05

2052	310	-0.06	0.13	-0.17	-1.01e-04	0.0	-8.02e-06
2053	44	-0.85	0.38	-0.28	-1.78e-04	0.0	-1.58e-05
2053	52	-0.15	0.76	-0.34	-2.76e-04	0.0	-4.37e-05
2053	68	-0.13	0.98	-0.30	-2.98e-04	0.0	-4.94e-05
2053	121	5.28	1.93	-0.27	-5.95e-04	0.0	-8.90e-05
2053	123	-5.97	2.49	-0.13	-5.05e-04	0.0	-5.56e-05
2053	129	0.58	7.46	-0.25	-1.70e-03	0.0	-1.62e-04
2053	153	5.95	2.17	-0.28	-6.60e-04	0.0	-9.86e-05
2053	155	-6.70	2.80	-0.12	-5.59e-04	0.0	-6.10e-05
2053	161	0.66	8.43	-0.26	-1.92e-03	0.0	-1.82e-04
2053	185	5.85	2.26	-0.28	-6.80e-04	0.0	-1.00e-04
2053	187	-6.60	2.89	-0.13	-5.78e-04	0.0	-6.30e-05
2053	193	0.65	8.74	-0.26	-1.99e-03	0.0	-1.89e-04
2053	217	6.81	2.70	-0.29	-7.97e-04	0.0	-1.17e-04
2053	219	-7.65	3.43	-0.12	-6.76e-04	0.0	-7.31e-05
2053	225	0.77	10.50	-0.27	-2.37e-03	0.0	-2.25e-04
2053	264	-0.57	0.26	-0.20	-1.24e-04	0.0	-1.13e-05
2053	268	-0.10	0.52	-0.24	-1.89e-04	0.0	-2.99e-05
2053	276	-0.09	0.66	-0.21	-2.04e-04	0.0	-3.37e-05
2053	298	-0.09	0.20	-0.20	-1.10e-04	0.0	-1.63e-05
2053	305	-0.18	0.20	-0.18	-1.05e-04	0.0	-1.41e-05
2053	307	-0.08	0.28	-0.19	-1.21e-04	0.0	-1.86e-05
2053	310	-0.08	0.19	-0.19	-1.04e-04	0.0	-1.53e-05
2054	44	-0.95	0.48	-0.29	-1.85e-04	0.0	-1.41e-05
2054	52	-0.19	0.91	-0.36	-2.86e-04	0.0	-4.23e-05
2054	68	-0.16	1.14	-0.32	-3.09e-04	0.0	-4.81e-05
2054	121	5.82	2.20	-0.29	-5.97e-04	0.0	-9.17e-05
2054	123	-6.60	2.81	-0.14	-5.09e-04	0.0	-5.68e-05
2054	129	0.63	8.36	-0.27	-1.70e-03	0.0	-1.65e-04
2054	153	6.55	2.47	-0.30	-6.61e-04	0.0	-1.02e-04
2054	155	-7.41	3.15	-0.13	-5.63e-04	0.0	-6.24e-05
2054	161	0.72	9.44	-0.27	-1.92e-03	0.0	-1.85e-04
2054	185	6.44	2.57	-0.30	-6.82e-04	0.0	-1.03e-04
2054	187	-7.29	3.24	-0.13	-5.81e-04	0.0	-6.44e-05
2054	193	0.70	9.80	-0.28	-1.99e-03	0.0	-1.92e-04
2054	217	7.50	3.06	-0.31	-7.99e-04	0.0	-1.20e-04
2054	219	-8.46	3.85	-0.12	-6.80e-04	0.0	-7.50e-05
2054	225	0.83	11.75	-0.29	-2.37e-03	0.0	-2.30e-04
2054	264	-0.64	0.33	-0.21	-1.29e-04	0.0	-1.01e-05
2054	268	-0.13	0.62	-0.25	-1.96e-04	0.0	-2.90e-05
2054	276	-0.11	0.77	-0.22	-2.12e-04	0.0	-3.28e-05
2054	298	-0.11	0.26	-0.21	-1.15e-04	0.0	-1.56e-05
2054	305	-0.21	0.25	-0.19	-1.09e-04	0.0	-1.35e-05
2054	307	-0.10	0.34	-0.20	-1.26e-04	0.0	-1.80e-05
2054	310	-0.11	0.24	-0.20	-1.08e-04	0.0	-1.48e-05
2055	44	-0.74	0.29	-0.25	-1.82e-04	0.0	8.80e-06
2055	52	-0.11	0.63	-0.30	-2.82e-04	0.0	-6.28e-06
2055	68	-0.09	0.83	-0.27	-3.05e-04	0.0	-1.05e-05
2055	121	4.75	1.67	-0.21	-6.27e-04	0.0	-3.87e-05
2055	123	-5.34	2.18	-0.14	-5.32e-04	0.0	-6.58e-06
2055	129	0.54	6.55	-0.20	-1.80e-03	0.0	-3.53e-05
2055	153	5.35	1.88	-0.21	-6.96e-04	0.0	-4.33e-05
2055	155	-6.00	2.45	-0.14	-5.88e-04	0.0	-7.33e-06
2055	161	0.61	7.40	-0.20	-2.03e-03	0.0	-3.95e-05
2055	185	5.26	1.96	-0.21	-7.17e-04	0.0	-4.19e-05
2055	187	-5.90	2.52	-0.14	-6.09e-04	0.0	-7.08e-06
2055	193	0.59	7.68	-0.20	-2.10e-03	0.0	-3.77e-05
2055	217	6.12	2.34	-0.22	-8.42e-04	0.0	-4.90e-05
2055	219	-6.85	3.00	-0.13	-7.13e-04	0.0	-8.69e-06
2055	225	0.70	9.23	-0.21	-2.51e-03	0.0	-4.50e-05
2055	264	-0.50	0.20	-0.18	-1.27e-04	0.0	5.87e-06
2055	268	-0.08	0.42	-0.21	-1.93e-04	0.0	-4.19e-06
2055	276	-0.07	0.56	-0.19	-2.09e-04	0.0	-6.99e-06
2055	298	-0.07	0.14	-0.18	-1.13e-04	0.0	0.0
2055	305	-0.15	0.14	-0.17	-1.08e-04	0.0	1.13e-06
2055	307	-0.06	0.22	-0.17	-1.24e-04	0.0	-1.44e-06
2055	310	-0.06	0.13	-0.17	-1.07e-04	0.0	0.0
2056	44	-0.84	0.38	-0.28	-1.82e-04	0.0	3.02e-06
2056	52	-0.15	0.78	-0.33	-2.83e-04	0.0	-1.57e-05
2056	68	-0.13	1.00	-0.29	-3.06e-04	0.0	-2.02e-05
2056	121	5.28	1.95	-0.23	-6.11e-04	0.0	-3.94e-05
2056	123	-5.97	2.50	-0.15	-5.20e-04	0.0	-7.06e-06
2056	129	0.58	7.50	-0.22	-1.75e-03	0.0	-2.36e-05
2056	153	5.95	2.19	-0.24	-6.78e-04	0.0	-4.35e-05
2056	155	-6.70	2.81	-0.15	-5.75e-04	0.0	-7.22e-06

2056	161	0.66	8.48	-0.22	-1.97e-03	0.0	-2.54e-05
2056	185	5.85	2.28	-0.24	-6.99e-04	0.0	-4.10e-05
2056	187	-6.59	2.90	-0.15	-5.95e-04	0.0	-5.88e-06
2056	193	0.65	8.79	-0.22	-2.04e-03	0.0	-2.02e-05
2056	217	6.81	2.72	-0.24	-8.20e-04	0.0	-4.67e-05
2056	219	-7.65	3.44	-0.14	-6.96e-04	0.0	-6.01e-06
2056	225	0.77	10.56	-0.23	-2.44e-03	0.0	-2.19e-05
2056	264	-0.57	0.27	-0.20	-1.27e-04	0.0	1.81e-06
2056	268	-0.10	0.53	-0.23	-1.94e-04	0.0	-1.07e-05
2056	276	-0.09	0.67	-0.21	-2.10e-04	0.0	-1.37e-05
2056	298	-0.09	0.20	-0.19	-1.14e-04	0.0	-4.20e-06
2056	305	-0.18	0.20	-0.18	-1.08e-04	0.0	-2.72e-06
2056	307	-0.08	0.28	-0.19	-1.25e-04	0.0	-5.82e-06
2056	310	-0.08	0.19	-0.18	-1.07e-04	0.0	-3.98e-06
2057	44	-0.94	0.48	-0.29	-1.84e-04	0.0	1.60e-06
2057	52	-0.19	0.93	-0.35	-2.85e-04	0.0	-1.88e-05
2057	68	-0.16	1.16	-0.31	-3.09e-04	0.0	-2.34e-05
2057	121	5.82	2.23	-0.24	-5.93e-04	0.0	-4.34e-05
2057	123	-6.60	2.82	-0.16	-5.06e-04	0.0	-1.09e-05
2057	129	0.63	8.42	-0.23	-1.69e-03	0.0	-2.88e-05
2057	153	6.55	2.49	-0.25	-6.58e-04	0.0	-4.79e-05
2057	155	-7.41	3.16	-0.16	-5.59e-04	0.0	-1.14e-05
2057	161	0.72	9.51	-0.24	-1.90e-03	0.0	-3.10e-05
2057	185	6.44	2.60	-0.25	-6.78e-04	0.0	-4.53e-05
2057	187	-7.29	3.26	-0.16	-5.78e-04	0.0	-1.01e-05
2057	193	0.70	9.86	-0.24	-1.97e-03	0.0	-2.57e-05
2057	217	7.50	3.09	-0.26	-7.94e-04	0.0	-5.15e-05
2057	219	-8.46	3.87	-0.15	-6.76e-04	0.0	-1.07e-05
2057	225	0.83	11.83	-0.25	-2.35e-03	0.0	-2.84e-05
2057	264	-0.63	0.33	-0.21	-1.28e-04	0.0	0.0
2057	268	-0.13	0.63	-0.25	-1.96e-04	0.0	-1.28e-05
2057	276	-0.11	0.79	-0.22	-2.11e-04	0.0	-1.59e-05
2057	298	-0.11	0.26	-0.20	-1.15e-04	0.0	-5.55e-06
2057	305	-0.21	0.26	-0.19	-1.09e-04	0.0	-3.92e-06
2057	307	-0.10	0.35	-0.20	-1.26e-04	0.0	-7.25e-06
2057	310	-0.11	0.25	-0.19	-1.08e-04	0.0	-5.26e-06
2058	4	0.08	0.23	-0.30	-2.06e-04	0.0	5.08e-06
2058	44	-0.74	0.28	-0.25	-1.86e-04	0.0	1.57e-05
2058	68	-0.09	0.84	-0.26	-3.12e-04	0.0	0.0
2058	121	4.75	1.66	-0.19	-6.38e-04	0.0	2.58e-05
2058	123	-5.34	2.15	-0.15	-5.42e-04	0.0	5.82e-05
2058	137	0.74	6.53	-0.18	-1.83e-03	0.0	6.95e-06
2058	153	5.35	1.86	-0.19	-7.08e-04	0.0	2.87e-05
2058	155	-6.00	2.42	-0.15	-5.99e-04	0.0	6.50e-05
2058	169	0.84	7.37	-0.18	-2.06e-03	0.0	7.58e-06
2058	185	5.26	1.94	-0.19	-7.30e-04	0.0	2.99e-05
2058	187	-5.90	2.49	-0.15	-6.20e-04	0.0	6.49e-05
2058	193	0.60	7.61	-0.19	-2.14e-03	0.0	1.95e-04
2058	217	6.12	2.33	-0.20	-8.56e-04	0.0	3.57e-05
2058	219	-6.85	2.97	-0.15	-7.26e-04	0.0	7.61e-05
2058	225	0.70	9.15	-0.19	-2.55e-03	0.0	2.31e-04
2058	244	0.05	0.16	-0.21	-1.43e-04	0.0	3.59e-06
2058	264	-0.49	0.19	-0.18	-1.29e-04	0.0	1.07e-05
2058	276	-0.06	0.56	-0.18	-2.14e-04	0.0	0.0
2058	298	-0.06	0.14	-0.17	-1.16e-04	0.0	4.37e-06
2058	305	-0.15	0.14	-0.16	-1.11e-04	0.0	5.32e-06
2058	307	-0.06	0.21	-0.17	-1.27e-04	0.0	3.34e-06
2058	310	-0.06	0.13	-0.17	-1.10e-04	0.0	4.10e-06
2059	4	0.06	0.34	-0.32	-2.05e-04	0.0	1.53e-06
2059	44	-0.84	0.38	-0.27	-1.85e-04	0.0	1.34e-05
2059	68	-0.12	1.00	-0.28	-3.11e-04	0.0	-3.59e-06
2059	121	5.28	1.95	-0.21	-6.18e-04	0.0	2.23e-05
2059	123	-5.97	2.49	-0.16	-5.26e-04	0.0	5.48e-05
2059	137	0.81	7.50	-0.20	-1.78e-03	0.0	2.28e-06
2059	153	5.95	2.19	-0.21	-6.86e-04	0.0	2.49e-05
2059	155	-6.70	2.79	-0.16	-5.82e-04	0.0	6.13e-05
2059	169	0.92	8.46	-0.20	-2.00e-03	0.0	2.51e-06
2059	185	5.85	2.28	-0.21	-7.07e-04	0.0	2.57e-05
2059	187	-6.59	2.88	-0.16	-6.01e-04	0.0	6.06e-05
2059	193	0.65	8.75	-0.20	-2.06e-03	0.0	1.91e-04
2059	217	6.81	2.71	-0.21	-8.29e-04	0.0	3.09e-05
2059	219	-7.65	3.42	-0.16	-7.04e-04	0.0	7.12e-05
2059	225	0.77	10.50	-0.21	-2.46e-03	0.0	2.25e-04
2059	244	0.04	0.24	-0.23	-1.42e-04	0.0	1.14e-06
2059	264	-0.56	0.26	-0.20	-1.29e-04	0.0	9.03e-06

2059	276	-0.09	0.68	-0.20	-2.13e-04	0.0	-2.27e-06
2059	298	-0.09	0.20	-0.19	-1.16e-04	0.0	2.45e-06
2059	305	-0.18	0.20	-0.18	-1.10e-04	0.0	3.58e-06
2059	307	-0.08	0.28	-0.18	-1.27e-04	0.0	1.32e-06
2059	310	-0.08	0.19	-0.18	-1.09e-04	0.0	2.29e-06
2060	4	0.04	0.45	-0.34	-2.04e-04	0.0	0.0
2060	44	-0.94	0.48	-0.29	-1.84e-04	0.0	1.21e-05
2060	68	-0.16	1.17	-0.30	-3.10e-04	0.0	-6.37e-06
2060	121	5.81	2.23	-0.22	-5.93e-04	0.0	2.12e-05
2060	123	-6.60	2.81	-0.17	-5.06e-04	0.0	5.37e-05
2060	137	0.88	8.43	-0.21	-1.71e-03	0.0	-6.36e-06
2060	153	6.55	2.49	-0.22	-6.58e-04	0.0	2.38e-05
2060	155	-7.41	3.15	-0.17	-5.59e-04	0.0	6.01e-05
2060	169	1.00	9.51	-0.21	-1.92e-03	0.0	-7.20e-06
2060	185	6.44	2.59	-0.22	-6.78e-04	0.0	2.44e-05
2060	187	-7.29	3.25	-0.17	-5.78e-04	0.0	5.90e-05
2060	193	0.70	9.83	-0.21	-1.97e-03	0.0	1.94e-04
2060	217	7.50	3.09	-0.23	-7.94e-04	0.0	2.94e-05
2060	219	-8.46	3.85	-0.17	-6.75e-04	0.0	6.93e-05
2060	225	0.83	11.79	-0.22	-2.35e-03	0.0	2.29e-04
2060	244	0.02	0.31	-0.24	-1.41e-04	0.0	0.0
2060	264	-0.63	0.33	-0.21	-1.28e-04	0.0	8.17e-06
2060	276	-0.11	0.79	-0.21	-2.12e-04	0.0	-4.17e-06
2060	298	-0.11	0.26	-0.20	-1.15e-04	0.0	1.24e-06
2060	305	-0.21	0.26	-0.19	-1.10e-04	0.0	2.52e-06
2060	307	-0.10	0.35	-0.19	-1.26e-04	0.0	0.0
2060	310	-0.11	0.25	-0.19	-1.09e-04	0.0	1.15e-06
2061	4	0.08	0.23	-0.29	-2.08e-04	0.0	8.38e-06
2061	44	-0.73	0.27	-0.25	-1.86e-04	0.0	1.85e-05
2061	68	-0.09	0.83	-0.25	-3.14e-04	0.0	6.24e-06
2061	121	4.75	1.64	-0.17	-6.36e-04	0.0	3.55e-05
2061	123	-5.34	2.12	-0.15	-5.40e-04	0.0	6.79e-05
2061	137	0.74	6.50	-0.17	-1.84e-03	0.0	-1.97e-06
2061	153	5.35	1.85	-0.18	-7.06e-04	0.0	3.95e-05
2061	155	-5.99	2.38	-0.15	-5.97e-04	0.0	7.58e-05
2061	169	0.84	7.34	-0.17	-2.07e-03	0.0	-2.91e-06
2061	185	5.26	1.92	-0.18	-7.28e-04	0.0	4.13e-05
2061	187	-5.90	2.46	-0.15	-6.17e-04	0.0	7.62e-05
2061	201	0.82	7.54	-0.17	-2.13e-03	0.0	-1.16e-06
2061	217	6.12	2.30	-0.18	-8.53e-04	0.0	4.92e-05
2061	219	-6.84	2.93	-0.15	-7.23e-04	0.0	8.94e-05
2061	225	0.70	9.03	-0.17	-2.54e-03	0.0	2.73e-04
2061	244	0.05	0.16	-0.20	-1.44e-04	0.0	5.88e-06
2061	264	-0.49	0.19	-0.17	-1.30e-04	0.0	1.27e-05
2061	276	-0.06	0.56	-0.18	-2.15e-04	0.0	4.46e-06
2061	298	-0.06	0.14	-0.17	-1.17e-04	0.0	6.22e-06
2061	305	-0.15	0.14	-0.16	-1.11e-04	0.0	7.06e-06
2061	307	-0.06	0.21	-0.16	-1.28e-04	0.0	5.42e-06
2061	310	-0.06	0.13	-0.16	-1.10e-04	0.0	5.84e-06
2062	4	0.06	0.34	-0.31	-2.06e-04	0.0	7.20e-06
2062	44	-0.84	0.37	-0.26	-1.85e-04	0.0	1.83e-05
2062	68	-0.12	1.00	-0.27	-3.13e-04	0.0	4.91e-06
2062	121	5.28	1.93	-0.19	-6.18e-04	0.0	3.96e-05
2062	123	-5.96	2.46	-0.16	-5.25e-04	0.0	7.20e-05
2062	137	0.81	7.48	-0.18	-1.79e-03	0.0	1.06e-06
2062	153	5.94	2.17	-0.19	-6.85e-04	0.0	4.42e-05
2062	155	-6.69	2.76	-0.16	-5.81e-04	0.0	8.05e-05
2062	169	0.92	8.44	-0.18	-2.01e-03	0.0	0.0
2062	185	5.85	2.25	-0.19	-7.06e-04	0.0	4.61e-05
2062	187	-6.59	2.84	-0.16	-6.00e-04	0.0	8.07e-05
2062	201	0.90	8.67	-0.18	-2.06e-03	0.0	3.06e-06
2062	217	6.81	2.69	-0.19	-8.27e-04	0.0	5.51e-05
2062	219	-7.64	3.38	-0.16	-7.02e-04	0.0	9.50e-05
2062	225	0.77	10.38	-0.19	-2.46e-03	0.0	3.01e-04
2062	244	0.04	0.23	-0.22	-1.43e-04	0.0	5.08e-06
2062	264	-0.56	0.25	-0.19	-1.29e-04	0.0	1.24e-05
2062	276	-0.09	0.68	-0.19	-2.14e-04	0.0	3.55e-06
2062	298	-0.09	0.20	-0.18	-1.17e-04	0.0	5.63e-06
2062	305	-0.18	0.20	-0.17	-1.11e-04	0.0	6.58e-06
2062	307	-0.08	0.28	-0.17	-1.28e-04	0.0	4.80e-06
2062	310	-0.08	0.19	-0.17	-1.10e-04	0.0	5.29e-06
2063	4	0.04	0.45	-0.32	-2.05e-04	0.0	6.06e-06
2063	44	-0.94	0.47	-0.28	-1.84e-04	0.0	1.80e-05
2063	68	-0.16	1.17	-0.28	-3.11e-04	0.0	3.68e-06
2063	121	5.81	2.21	-0.20	-5.91e-04	0.0	4.23e-05

2063	123	-6.60	2.78	-0.17	-5.04e-04	0.0	7.49e-05
2063	137	0.88	8.42	-0.19	-1.71e-03	0.0	4.81e-06
2063	153	6.55	2.47	-0.20	-6.55e-04	0.0	4.73e-05
2063	155	-7.40	3.11	-0.17	-5.57e-04	0.0	8.38e-05
2063	169	1.00	9.50	-0.19	-1.92e-03	0.0	4.99e-06
2063	185	6.44	2.57	-0.20	-6.75e-04	0.0	4.94e-05
2063	187	-7.29	3.21	-0.17	-5.75e-04	0.0	8.39e-05
2063	201	0.98	9.75	-0.19	-1.97e-03	0.0	8.30e-06
2063	217	7.50	3.06	-0.20	-7.90e-04	0.0	5.90e-05
2063	219	-8.45	3.81	-0.17	-6.72e-04	0.0	9.88e-05
2063	225	0.83	11.67	-0.20	-2.34e-03	0.0	3.22e-04
2063	244	0.02	0.31	-0.23	-1.42e-04	0.0	4.30e-06
2063	264	-0.63	0.32	-0.20	-1.28e-04	0.0	1.23e-05
2063	276	-0.11	0.79	-0.20	-2.13e-04	0.0	2.71e-06
2063	298	-0.11	0.26	-0.19	-1.16e-04	0.0	5.07e-06
2063	305	-0.21	0.26	-0.18	-1.10e-04	0.0	6.13e-06
2063	307	-0.10	0.35	-0.18	-1.27e-04	0.0	4.22e-06
2063	310	-0.10	0.25	-0.18	-1.09e-04	0.0	4.76e-06
2064	4	0.08	0.22	-0.27	-2.08e-04	0.0	9.26e-06
2064	44	-0.73	0.26	-0.24	-1.86e-04	0.0	1.92e-05
2064	68	-0.09	0.83	-0.24	-3.14e-04	0.0	8.05e-06
2064	118	4.69	-0.18	-0.16	-2.91e-05	0.0	1.68e-04
2064	123	-5.33	2.08	-0.15	-5.34e-04	0.0	7.17e-05
2064	137	0.74	6.47	-0.16	-1.84e-03	0.0	-1.05e-05
2064	150	5.27	-0.22	-0.16	-1.82e-05	0.0	1.88e-04
2064	155	-5.99	2.34	-0.15	-5.91e-04	0.0	8.01e-05
2064	169	0.84	7.31	-0.16	-2.07e-03	0.0	-1.27e-05
2064	182	5.18	-0.23	-0.16	-1.59e-05	0.0	1.85e-04
2064	187	-5.89	2.42	-0.15	-6.11e-04	0.0	8.07e-05
2064	201	0.82	7.50	-0.16	-2.12e-03	0.0	-1.20e-05
2064	214	6.05	-0.29	-0.16	0.0	0.0	2.16e-04
2064	219	-6.84	2.88	-0.15	-7.15e-04	0.0	9.48e-05
2064	233	0.96	8.91	-0.16	-2.50e-03	0.0	-1.53e-05
2064	244	0.05	0.15	-0.19	-1.44e-04	0.0	6.50e-06
2064	264	-0.49	0.18	-0.17	-1.29e-04	0.0	1.31e-05
2064	276	-0.06	0.56	-0.17	-2.15e-04	0.0	5.69e-06
2064	298	-0.06	0.13	-0.16	-1.17e-04	0.0	6.69e-06
2064	305	-0.14	0.13	-0.16	-1.11e-04	0.0	7.49e-06
2064	307	-0.06	0.21	-0.16	-1.28e-04	0.0	6.01e-06
2064	310	-0.06	0.13	-0.16	-1.10e-04	0.0	6.29e-06
2065	4	0.06	0.33	-0.29	-2.07e-04	0.0	9.26e-06
2065	44	-0.83	0.36	-0.25	-1.85e-04	0.0	1.99e-05
2065	68	-0.12	1.00	-0.26	-3.13e-04	0.0	8.40e-06
2065	118	5.21	-0.16	-0.17	-2.99e-05	0.0	1.92e-04
2065	123	-5.96	2.42	-0.16	-5.20e-04	0.0	7.95e-05
2065	137	0.81	7.45	-0.17	-1.79e-03	0.0	-1.31e-05
2065	150	5.87	-0.21	-0.17	-1.93e-05	0.0	2.15e-04
2065	155	-6.69	2.71	-0.16	-5.75e-04	0.0	8.89e-05
2065	169	0.92	8.41	-0.17	-2.01e-03	0.0	-1.56e-05
2065	182	5.77	-0.22	-0.17	-1.72e-05	0.0	2.12e-04
2065	187	-6.58	2.80	-0.16	-5.94e-04	0.0	8.95e-05
2065	201	0.90	8.63	-0.17	-2.06e-03	0.0	-1.50e-05
2065	214	6.74	-0.29	-0.17	-2.14e-06	0.0	2.47e-04
2065	219	-7.64	3.33	-0.16	-6.95e-04	0.0	1.05e-04
2065	225	0.77	10.24	-0.17	-2.43e-03	0.0	3.36e-04
2065	244	0.04	0.23	-0.21	-1.43e-04	0.0	6.51e-06
2065	264	-0.56	0.25	-0.18	-1.29e-04	0.0	1.36e-05
2065	276	-0.09	0.67	-0.18	-2.14e-04	0.0	5.94e-06
2065	298	-0.09	0.20	-0.17	-1.17e-04	0.0	6.76e-06
2065	305	-0.18	0.19	-0.16	-1.11e-04	0.0	7.64e-06
2065	307	-0.08	0.28	-0.17	-1.28e-04	0.0	6.11e-06
2065	310	-0.08	0.18	-0.17	-1.10e-04	0.0	6.36e-06
2066	4	0.04	0.44	-0.31	-2.05e-04	0.0	9.08e-06
2066	44	-0.93	0.46	-0.27	-1.84e-04	0.0	2.06e-05
2066	68	-0.16	1.16	-0.27	-3.12e-04	0.0	8.50e-06
2066	118	5.75	-0.15	-0.18	-3.10e-05	0.0	2.14e-04
2066	123	-6.60	2.74	-0.17	-5.00e-04	0.0	5.37e-05
2066	137	0.88	8.39	-0.17	-1.71e-03	0.0	-1.41e-05
2066	150	6.47	-0.20	-0.18	-2.07e-05	0.0	2.40e-04
2066	155	-7.40	3.07	-0.17	-5.52e-04	0.0	6.01e-05
2066	169	1.00	9.46	-0.17	-1.92e-03	0.0	-1.68e-05
2066	182	6.36	-0.21	-0.18	-1.89e-05	0.0	2.36e-04
2066	187	-7.29	3.16	-0.17	-5.70e-04	0.0	6.28e-05
2066	201	0.98	9.71	-0.17	-1.97e-03	0.0	-1.61e-05
2066	214	7.44	-0.28	-0.18	-4.29e-06	0.0	2.75e-04

2066	219	-8.45	3.75	-0.17	-6.66e-04	0.0	7.50e-05
2066	233	1.15	11.51	-0.17	-2.32e-03	0.0	-2.01e-05
2066	244	0.02	0.31	-0.22	-1.42e-04	0.0	6.40e-06
2066	264	-0.63	0.32	-0.19	-1.28e-04	0.0	1.40e-05
2066	276	-0.11	0.79	-0.19	-2.13e-04	0.0	6.01e-06
2066	298	-0.11	0.26	-0.18	-1.16e-04	0.0	6.75e-06
2066	305	-0.21	0.25	-0.17	-1.10e-04	0.0	7.71e-06
2066	307	-0.10	0.35	-0.17	-1.27e-04	0.0	6.10e-06
2066	310	-0.10	0.24	-0.17	-1.09e-04	0.0	6.35e-06
2067	44	-0.73	0.25	-0.23	-1.85e-04	0.0	1.83e-05
2067	68	-0.09	0.82	-0.23	-3.13e-04	0.0	7.59e-06
2067	76	-0.11	0.05	-0.26	-1.69e-04	0.0	1.18e-05
2067	123	-5.33	2.05	-0.15	-5.26e-04	0.0	7.12e-05
2067	137	0.74	6.44	-0.14	-1.83e-03	0.0	-1.33e-05
2067	140	-0.86	-6.20	-0.16	1.61e-03	0.0	2.51e-05
2067	155	-5.98	2.30	-0.15	-5.82e-04	0.0	7.96e-05
2067	169	0.84	7.27	-0.14	-2.05e-03	0.0	-1.58e-05
2067	172	-0.95	-7.03	-0.16	1.83e-03	0.0	2.76e-05
2067	187	-5.89	2.38	-0.15	-6.01e-04	0.0	8.02e-05
2067	201	0.82	7.46	-0.14	-2.10e-03	0.0	-1.54e-05
2067	204	-0.93	-7.22	-0.16	1.88e-03	0.0	2.72e-05
2067	219	-6.83	2.83	-0.15	-7.03e-04	0.0	9.43e-05
2067	233	0.96	8.86	-0.14	-2.48e-03	0.0	-1.93e-05
2067	236	-1.08	-8.62	-0.16	2.26e-03	0.0	3.11e-05
2067	264	-0.49	0.17	-0.16	-1.29e-04	0.0	1.25e-05
2067	276	-0.06	0.55	-0.16	-2.14e-04	0.0	5.37e-06
2067	280	-0.08	0.04	-0.18	-1.18e-04	0.0	8.18e-06
2067	298	-0.06	0.13	-0.16	-1.17e-04	0.0	6.26e-06
2067	305	-0.14	0.13	-0.15	-1.11e-04	0.0	7.06e-06
2067	307	-0.06	0.21	-0.15	-1.28e-04	0.0	5.63e-06
2067	310	-0.06	0.12	-0.15	-1.10e-04	0.0	5.90e-06
2068	44	-0.83	0.35	-0.24	-1.84e-04	0.0	1.97e-05
2068	68	-0.12	0.99	-0.24	-3.12e-04	0.0	8.77e-06
2068	76	-0.15	0.14	-0.28	-1.68e-04	0.0	1.25e-05
2068	123	-5.95	2.38	-0.16	-5.13e-04	0.0	5.08e-05
2068	137	0.81	7.41	-0.15	-1.77e-03	0.0	1.32e-04
2068	140	-0.97	-7.05	-0.17	1.55e-03	0.0	-1.19e-04
2068	155	-6.68	2.67	-0.16	-5.67e-04	0.0	5.68e-05
2068	169	0.92	8.36	-0.15	-1.99e-03	0.0	1.48e-04
2068	172	-1.08	-8.00	-0.17	1.77e-03	0.0	-1.35e-04
2068	187	-6.58	2.75	-0.16	-5.86e-04	0.0	5.94e-05
2068	201	0.90	8.58	-0.15	-2.04e-03	0.0	1.46e-04
2068	204	-1.06	-8.22	-0.17	1.82e-03	0.0	-1.33e-04
2068	219	-7.63	3.27	-0.16	-6.84e-04	0.0	7.09e-05
2068	233	1.05	10.18	-0.15	-2.41e-03	0.0	1.70e-04
2068	236	-1.22	-9.82	-0.17	2.19e-03	0.0	-1.58e-04
2068	264	-0.56	0.24	-0.17	-1.28e-04	0.0	1.35e-05
2068	276	-0.08	0.67	-0.17	-2.14e-04	0.0	6.19e-06
2068	280	-0.10	0.10	-0.20	-1.17e-04	0.0	8.66e-06
2068	298	-0.08	0.19	-0.17	-1.16e-04	0.0	6.69e-06
2068	305	-0.17	0.19	-0.16	-1.10e-04	0.0	7.56e-06
2068	307	-0.08	0.27	-0.16	-1.28e-04	0.0	6.11e-06
2068	310	-0.08	0.18	-0.16	-1.10e-04	0.0	6.31e-06
2069	44	-0.93	0.44	-0.26	-1.83e-04	0.0	2.10e-05
2069	68	-0.16	1.16	-0.25	-3.11e-04	0.0	9.74e-06
2069	76	-0.19	0.22	-0.29	-1.67e-04	0.0	1.30e-05
2069	123	-6.59	2.69	-0.16	-4.94e-04	0.0	5.81e-05
2069	137	0.88	8.34	-0.16	-1.70e-03	0.0	1.50e-04
2069	140	-1.09	-7.86	-0.18	1.48e-03	0.0	-1.37e-04
2069	155	-7.40	3.02	-0.16	-5.45e-04	0.0	6.50e-05
2069	169	1.00	9.41	-0.15	-1.91e-03	0.0	1.68e-04
2069	172	-1.21	-8.93	-0.18	1.69e-03	0.0	-1.54e-04
2069	187	-7.28	3.11	-0.16	-5.63e-04	0.0	6.80e-05
2069	201	0.98	9.65	-0.15	-1.96e-03	0.0	1.66e-04
2069	204	-1.18	-9.18	-0.18	1.74e-03	0.0	-1.53e-04
2069	219	-8.45	3.69	-0.16	-6.58e-04	0.0	8.12e-05
2069	233	1.15	11.45	-0.15	-2.31e-03	0.0	1.94e-04
2069	236	-1.36	-10.97	-0.18	2.09e-03	0.0	-1.81e-04
2069	264	-0.63	0.31	-0.18	-1.27e-04	0.0	1.44e-05
2069	276	-0.11	0.78	-0.18	-2.13e-04	0.0	6.86e-06
2069	280	-0.13	0.16	-0.21	-1.17e-04	0.0	9.06e-06
2069	298	-0.11	0.25	-0.17	-1.16e-04	0.0	7.04e-06
2069	305	-0.21	0.25	-0.17	-1.10e-04	0.0	7.99e-06
2069	307	-0.10	0.34	-0.17	-1.27e-04	0.0	6.49e-06
2069	310	-0.10	0.24	-0.17	-1.09e-04	0.0	6.64e-06

2070	28	-0.49	0.26	-0.25	-2.11e-04	0.0	1.45e-05
2070	44	-0.73	0.24	-0.22	-1.83e-04	0.0	1.65e-05
2070	68	-0.09	0.82	-0.21	-3.12e-04	0.0	5.79e-06
2070	123	-5.32	2.01	-0.14	-5.17e-04	0.0	4.23e-05
2070	137	0.74	6.41	-0.12	-1.81e-03	0.0	-1.26e-05
2070	144	-0.99	-5.67	-0.16	1.49e-03	0.0	6.28e-05
2070	155	-5.97	2.26	-0.14	-5.72e-04	0.0	4.74e-05
2070	169	0.84	7.23	-0.12	-2.03e-03	0.0	-1.49e-05
2070	176	-1.11	-6.43	-0.16	1.70e-03	0.0	7.02e-05
2070	187	-5.88	2.34	-0.14	-5.91e-04	0.0	4.96e-05
2070	201	0.82	7.43	-0.12	-2.09e-03	0.0	-1.45e-05
2070	208	-1.09	-6.61	-0.16	1.75e-03	0.0	6.92e-05
2070	219	-6.82	2.78	-0.14	-6.91e-04	0.0	5.93e-05
2070	233	0.96	8.81	-0.11	-2.46e-03	0.0	-1.80e-05
2070	240	-1.25	-7.89	-0.17	2.10e-03	0.0	8.04e-05
2070	256	-0.33	0.18	-0.17	-1.46e-04	0.0	9.97e-06
2070	264	-0.49	0.16	-0.15	-1.27e-04	0.0	1.13e-05
2070	276	-0.06	0.55	-0.15	-2.13e-04	0.0	4.13e-06
2070	298	-0.06	0.13	-0.15	-1.16e-04	0.0	5.30e-06
2070	305	-0.14	0.13	-0.14	-1.10e-04	0.0	6.11e-06
2070	307	-0.06	0.20	-0.14	-1.27e-04	0.0	4.68e-06
2070	310	-0.06	0.12	-0.14	-1.10e-04	0.0	5.00e-06
2071	28	-0.57	0.37	-0.26	-2.10e-04	0.0	1.64e-05
2071	44	-0.83	0.34	-0.23	-1.82e-04	0.0	1.87e-05
2071	68	-0.12	0.99	-0.22	-3.11e-04	0.0	7.20e-06
2071	123	-5.95	2.34	-0.15	-5.05e-04	0.0	5.02e-05
2071	137	0.81	7.37	-0.13	-1.76e-03	0.0	1.31e-04
2071	144	-1.12	-6.44	-0.17	1.44e-03	0.0	-7.38e-05
2071	155	-6.68	2.62	-0.15	-5.58e-04	0.0	5.62e-05
2071	169	0.92	8.31	-0.12	-1.98e-03	0.0	1.46e-04
2071	176	-1.25	-7.32	-0.17	1.64e-03	0.0	-8.38e-05
2071	187	-6.57	2.71	-0.15	-5.76e-04	0.0	5.89e-05
2071	201	0.89	8.53	-0.12	-2.03e-03	0.0	1.45e-04
2071	208	-1.23	-7.52	-0.17	1.69e-03	0.0	-8.25e-05
2071	219	-7.62	3.22	-0.15	-6.73e-04	0.0	7.03e-05
2071	233	1.05	10.12	-0.12	-2.39e-03	0.0	1.69e-04
2071	240	-1.41	-8.98	-0.18	2.03e-03	0.0	-9.80e-05
2071	256	-0.38	0.25	-0.18	-1.46e-04	0.0	1.13e-05
2071	264	-0.55	0.23	-0.16	-1.27e-04	0.0	1.28e-05
2071	276	-0.08	0.67	-0.16	-2.13e-04	0.0	5.13e-06
2071	298	-0.08	0.19	-0.16	-1.16e-04	0.0	6.02e-06
2071	305	-0.17	0.18	-0.15	-1.10e-04	0.0	6.93e-06
2071	307	-0.08	0.27	-0.15	-1.27e-04	0.0	5.40e-06
2071	310	-0.08	0.18	-0.15	-1.09e-04	0.0	5.69e-06
2072	28	-0.65	0.48	-0.27	-2.09e-04	0.0	1.80e-05
2072	44	-0.93	0.43	-0.24	-1.81e-04	0.0	2.05e-05
2072	68	-0.15	1.15	-0.24	-3.10e-04	0.0	8.55e-06
2072	123	-6.59	2.65	-0.16	-4.87e-04	0.0	5.77e-05
2072	137	0.88	8.29	-0.13	-1.69e-03	0.0	1.51e-04
2072	144	-1.26	-7.18	-0.18	1.38e-03	0.0	-8.81e-05
2072	155	-7.40	2.97	-0.16	-5.38e-04	0.0	6.46e-05
2072	169	1.00	9.35	-0.13	-1.90e-03	0.0	1.69e-04
2072	176	-1.40	-8.16	-0.18	1.57e-03	0.0	-1.00e-04
2072	187	-7.28	3.06	-0.16	-5.55e-04	0.0	6.76e-05
2072	201	0.98	9.60	-0.13	-1.95e-03	0.0	1.68e-04
2072	208	-1.37	-8.39	-0.18	1.62e-03	0.0	-9.93e-05
2072	219	-8.45	3.63	-0.16	-6.48e-04	0.0	8.09e-05
2072	233	1.15	11.38	-0.12	-2.30e-03	0.0	1.96e-04
2072	240	-1.57	-10.03	-0.19	1.94e-03	0.0	-1.18e-04
2072	256	-0.44	0.33	-0.19	-1.45e-04	0.0	1.24e-05
2072	264	-0.62	0.30	-0.17	-1.26e-04	0.0	1.40e-05
2072	276	-0.11	0.78	-0.17	-2.12e-04	0.0	6.07e-06
2072	298	-0.11	0.25	-0.16	-1.15e-04	0.0	6.59e-06
2072	305	-0.20	0.24	-0.16	-1.09e-04	0.0	7.59e-06
2072	307	-0.10	0.34	-0.16	-1.26e-04	0.0	6.00e-06
2072	310	-0.10	0.24	-0.16	-1.09e-04	0.0	6.23e-06
2073	28	-0.48	0.25	-0.23	-2.09e-04	0.0	1.30e-05
2073	44	-0.72	0.23	-0.20	-1.80e-04	0.0	1.52e-05
2073	68	-0.08	0.82	-0.19	-3.10e-04	0.0	3.92e-06
2073	123	-5.31	1.98	-0.14	-5.10e-04	0.0	4.13e-05
2073	137	0.74	6.38	-0.09	-1.80e-03	0.0	-1.19e-05
2073	144	-0.99	-5.65	-0.17	1.48e-03	0.0	6.08e-05
2073	155	-5.96	2.23	-0.14	-5.63e-04	0.0	4.63e-05
2073	169	0.83	7.20	-0.08	-2.02e-03	0.0	-1.40e-05
2073	176	-1.10	-6.41	-0.17	1.69e-03	0.0	6.80e-05

2073	187	-5.86	2.30	-0.14	-5.82e-04	0.0	4.86e-05
2073	201	0.81	7.39	-0.08	-2.07e-03	0.0	-1.35e-05
2073	208	-1.08	-6.58	-0.18	1.73e-03	0.0	6.69e-05
2073	219	-6.81	2.74	-0.14	-6.80e-04	0.0	5.82e-05
2073	233	0.96	8.77	-0.07	-2.44e-03	0.0	-1.67e-05
2073	240	-1.24	-7.86	-0.18	2.08e-03	0.0	7.78e-05
2073	256	-0.32	0.17	-0.16	-1.45e-04	0.0	8.89e-06
2073	264	-0.48	0.16	-0.14	-1.25e-04	0.0	1.04e-05
2073	276	-0.06	0.55	-0.14	-2.12e-04	0.0	2.86e-06
2073	298	-0.06	0.12	-0.13	-1.15e-04	0.0	4.45e-06
2073	305	-0.14	0.12	-0.13	-1.09e-04	0.0	5.31e-06
2073	307	-0.06	0.20	-0.13	-1.27e-04	0.0	3.81e-06
2073	310	-0.06	0.12	-0.13	-1.09e-04	0.0	4.21e-06
2074	28	-0.56	0.36	-0.24	-2.08e-04	0.0	1.51e-05
2074	44	-0.82	0.33	-0.21	-1.80e-04	0.0	1.77e-05
2074	68	-0.12	0.98	-0.20	-3.09e-04	0.0	4.74e-06
2074	123	-5.94	2.30	-0.15	-4.97e-04	0.0	4.73e-05
2074	137	0.81	7.33	-0.09	-1.75e-03	0.0	1.26e-04
2074	144	-1.12	-6.42	-0.18	1.43e-03	0.0	-7.14e-05
2074	155	-6.67	2.58	-0.15	-5.49e-04	0.0	5.30e-05
2074	169	0.92	8.27	-0.09	-1.96e-03	0.0	1.41e-04
2074	176	-1.25	-7.28	-0.19	1.63e-03	0.0	-8.10e-05
2074	187	-6.56	2.66	-0.15	-5.67e-04	0.0	5.55e-05
2074	201	0.89	8.49	-0.09	-2.01e-03	0.0	1.39e-04
2074	208	-1.22	-7.49	-0.19	1.68e-03	0.0	-7.94e-05
2074	219	-7.62	3.16	-0.15	-6.62e-04	0.0	6.65e-05
2074	233	1.05	10.07	-0.08	-2.37e-03	0.0	1.62e-04
2074	240	-1.40	-8.94	-0.20	2.02e-03	0.0	-9.40e-05
2074	256	-0.38	0.25	-0.17	-1.44e-04	0.0	1.04e-05
2074	264	-0.55	0.23	-0.15	-1.25e-04	0.0	1.21e-05
2074	276	-0.08	0.66	-0.14	-2.12e-04	0.0	3.48e-06
2074	298	-0.08	0.19	-0.14	-1.15e-04	0.0	5.21e-06
2074	305	-0.17	0.18	-0.14	-1.09e-04	0.0	6.21e-06
2074	307	-0.08	0.27	-0.14	-1.26e-04	0.0	4.48e-06
2074	310	-0.08	0.17	-0.14	-1.08e-04	0.0	4.96e-06
2075	28	-0.65	0.47	-0.25	-2.08e-04	0.0	1.68e-05
2075	44	-0.93	0.42	-0.22	-1.79e-04	0.0	1.97e-05
2075	68	-0.15	1.15	-0.21	-3.09e-04	0.0	5.67e-06
2075	123	-6.59	2.60	-0.15	-4.80e-04	0.0	9.07e-05
2075	137	0.88	8.25	-0.09	-1.68e-03	0.0	1.46e-04
2075	144	-1.26	-7.15	-0.19	1.36e-03	0.0	-7.51e-05
2075	155	-7.39	2.92	-0.15	-5.30e-04	0.0	1.02e-04
2075	169	1.00	9.30	-0.09	-1.88e-03	0.0	1.64e-04
2075	176	-1.40	-8.12	-0.20	1.56e-03	0.0	-8.54e-05
2075	187	-7.28	3.01	-0.15	-5.47e-04	0.0	1.03e-04
2075	201	0.98	9.54	-0.09	-1.93e-03	0.0	1.62e-04
2075	208	-1.37	-8.35	-0.20	1.60e-03	0.0	-8.48e-05
2075	219	-8.45	3.57	-0.15	-6.38e-04	0.0	1.21e-04
2075	233	1.15	11.31	-0.08	-2.27e-03	0.0	1.90e-04
2075	240	-1.57	-9.98	-0.21	1.93e-03	0.0	-1.01e-04
2075	256	-0.44	0.32	-0.18	-1.44e-04	0.0	1.16e-05
2075	264	-0.62	0.29	-0.16	-1.25e-04	0.0	1.35e-05
2075	276	-0.11	0.78	-0.15	-2.11e-04	0.0	4.16e-06
2075	298	-0.11	0.25	-0.15	-1.15e-04	0.0	5.83e-06
2075	305	-0.20	0.24	-0.14	-1.09e-04	0.0	6.95e-06
2075	307	-0.10	0.33	-0.14	-1.26e-04	0.0	5.07e-06
2075	310	-0.10	0.23	-0.14	-1.08e-04	0.0	5.57e-06
2076	28	-0.48	0.24	-0.20	-2.07e-04	0.0	1.24e-05
2076	44	-0.72	0.22	-0.18	-1.77e-04	0.0	1.51e-05
2076	68	-0.08	0.82	-0.16	-3.10e-04	0.0	3.08e-06
2076	123	-5.29	1.95	-0.13	-5.03e-04	0.0	4.01e-05
2076	137	0.74	6.35	-0.04	-1.79e-03	0.0	1.13e-04
2076	144	-0.98	-5.63	-0.19	1.47e-03	0.0	-6.62e-05
2076	155	-5.94	2.19	-0.14	-5.56e-04	0.0	4.50e-05
2076	169	0.83	7.17	-0.03	-2.01e-03	0.0	1.26e-04
2076	176	-1.10	-6.38	-0.20	1.68e-03	0.0	-7.51e-05
2076	187	-5.84	2.26	-0.13	-5.74e-04	0.0	4.73e-05
2076	201	0.81	7.36	-0.03	-2.06e-03	0.0	1.25e-04
2076	208	-1.07	-6.56	-0.20	1.72e-03	0.0	-7.39e-05
2076	219	-6.79	2.70	-0.14	-6.71e-04	0.0	5.68e-05
2076	233	0.95	8.73	-0.02	-2.43e-03	0.0	1.46e-04
2076	240	-1.23	-7.83	-0.22	2.07e-03	0.0	-8.75e-05
2076	256	-0.32	0.17	-0.14	-1.43e-04	0.0	8.51e-06
2076	264	-0.48	0.15	-0.13	-1.24e-04	0.0	1.03e-05
2076	276	-0.06	0.55	-0.12	-2.12e-04	0.0	2.31e-06

2076	298	-0.06	0.12	-0.12	-1.15e-04	0.0	3.93e-06
2076	305	-0.14	0.12	-0.12	-1.08e-04	0.0	4.92e-06
2076	307	-0.05	0.20	-0.11	-1.26e-04	0.0	3.32e-06
2076	310	-0.05	0.11	-0.12	-1.08e-04	0.0	3.76e-06
2077	28	-0.56	0.35	-0.21	-2.06e-04	0.0	1.45e-05
2077	44	-0.82	0.32	-0.19	-1.77e-04	0.0	1.78e-05
2077	68	-0.11	0.98	-0.17	-3.09e-04	0.0	2.72e-06
2077	123	-5.93	2.26	-0.14	-4.90e-04	0.0	8.55e-05
2077	137	0.81	7.30	-0.04	-1.73e-03	0.0	1.31e-04
2077	144	-1.12	-6.39	-0.20	1.42e-03	0.0	-6.84e-05
2077	155	-6.66	2.54	-0.15	-5.41e-04	0.0	9.59e-05
2077	169	0.92	8.24	-0.03	-1.95e-03	0.0	1.47e-04
2077	176	-1.24	-7.26	-0.22	1.62e-03	0.0	-7.77e-05
2077	187	-6.55	2.62	-0.14	-5.59e-04	0.0	9.67e-05
2077	201	0.89	8.45	-0.03	-2.00e-03	0.0	1.46e-04
2077	208	-1.22	-7.46	-0.22	1.67e-03	0.0	-7.73e-05
2077	219	-7.61	3.11	-0.15	-6.52e-04	0.0	1.14e-04
2077	233	1.05	10.02	-9.99e-03	-2.35e-03	0.0	1.70e-04
2077	240	-1.40	-8.91	-0.24	2.00e-03	0.0	-9.20e-05
2077	256	-0.38	0.24	-0.15	-1.43e-04	0.0	1.00e-05
2077	264	-0.55	0.22	-0.14	-1.24e-04	0.0	1.22e-05
2077	276	-0.08	0.66	-0.12	-2.11e-04	0.0	2.17e-06
2077	298	-0.08	0.18	-0.13	-1.14e-04	0.0	4.65e-06
2077	305	-0.17	0.18	-0.12	-1.08e-04	0.0	5.83e-06
2077	307	-0.08	0.27	-0.12	-1.26e-04	0.0	3.82e-06
2077	310	-0.08	0.17	-0.12	-1.08e-04	0.0	4.50e-06
2078	28	-0.64	0.46	-0.22	-2.06e-04	0.0	1.60e-05
2078	44	-0.92	0.41	-0.20	-1.77e-04	0.0	1.96e-05
2078	68	-0.15	1.15	-0.18	-3.08e-04	0.0	1.95e-06
2078	123	-6.59	2.56	-0.15	-4.73e-04	0.0	9.30e-05
2078	137	0.88	8.21	-0.04	-1.66e-03	0.0	1.41e-04
2078	144	-1.25	-7.12	-0.22	1.35e-03	0.0	-7.11e-05
2078	155	-7.39	2.87	-0.15	-5.22e-04	0.0	1.04e-04
2078	169	1.00	9.25	-0.03	-1.87e-03	0.0	1.58e-04
2078	176	-1.40	-8.08	-0.23	1.55e-03	0.0	-8.08e-05
2078	187	-7.28	2.96	-0.15	-5.39e-04	0.0	1.05e-04
2078	201	0.98	9.49	-0.02	-1.91e-03	0.0	1.56e-04
2078	208	-1.37	-8.31	-0.23	1.59e-03	0.0	-7.99e-05
2078	219	-8.44	3.51	-0.15	-6.28e-04	0.0	1.24e-04
2078	233	1.15	11.25	-4.47e-03	-2.26e-03	0.0	1.82e-04
2078	240	-1.57	-9.93	-0.25	1.91e-03	0.0	-9.49e-05
2078	256	-0.43	0.32	-0.16	-1.43e-04	0.0	1.11e-05
2078	264	-0.62	0.28	-0.14	-1.24e-04	0.0	1.35e-05
2078	276	-0.11	0.77	-0.13	-2.10e-04	0.0	1.72e-06
2078	298	-0.11	0.24	-0.13	-1.14e-04	0.0	5.28e-06
2078	305	-0.20	0.23	-0.13	-1.08e-04	0.0	6.55e-06
2078	307	-0.10	0.33	-0.13	-1.25e-04	0.0	4.20e-06
2078	310	-0.10	0.23	-0.13	-1.07e-04	0.0	5.13e-06
2079	28	-0.47	0.23	-0.18	-2.05e-04	0.0	1.21e-05
2079	44	-0.71	0.21	-0.16	-1.74e-04	0.0	1.59e-05
2079	68	-0.07	0.81	-0.13	-3.10e-04	0.0	4.44e-06
2079	123	-5.26	1.91	-0.13	-4.95e-04	0.0	9.04e-05
2079	137	0.73	6.32	0.03	-1.76e-03	0.0	1.45e-04
2079	144	-0.97	-5.60	-0.24	1.45e-03	0.0	-9.18e-05
2079	155	-5.91	2.15	-0.14	-5.47e-04	0.0	1.02e-04
2079	169	0.83	7.13	0.05	-1.98e-03	0.0	1.64e-04
2079	176	-1.08	-6.35	-0.25	1.65e-03	0.0	-1.04e-04
2079	187	-5.82	2.22	-0.13	-5.64e-04	0.0	1.03e-04
2079	201	0.81	7.32	0.06	-2.03e-03	0.0	1.65e-04
2079	208	-1.06	-6.52	-0.26	1.70e-03	0.0	-1.06e-04
2079	219	-6.75	2.65	-0.14	-6.58e-04	0.0	1.22e-04
2079	233	0.94	8.68	0.09	-2.40e-03	0.0	1.94e-04
2079	240	-1.22	-7.78	-0.29	2.04e-03	0.0	-1.26e-04
2079	256	-0.32	0.16	-0.12	-1.42e-04	0.0	8.33e-06
2079	264	-0.47	0.15	-0.12	-1.21e-04	0.0	1.09e-05
2079	276	-0.05	0.55	-0.10	-2.12e-04	0.0	3.21e-06
2079	298	-0.05	0.12	-0.10	-1.14e-04	0.0	3.15e-06
2079	305	-0.13	0.12	-0.10	-1.08e-04	0.0	4.46e-06
2079	307	-0.05	0.20	-0.10	-1.26e-04	0.0	2.93e-06
2079	310	-0.05	0.11	-0.10	-1.07e-04	0.0	3.08e-06
2080	28	-0.56	0.34	-0.18	-2.05e-04	0.0	1.52e-05
2080	44	-0.82	0.31	-0.17	-1.75e-04	0.0	1.94e-05
2080	68	-0.11	0.98	-0.14	-3.10e-04	0.0	2.88e-06
2080	123	-5.93	2.21	-0.14	-4.85e-04	0.0	1.13e-04
2080	137	0.81	7.26	0.04	-1.73e-03	0.0	1.71e-04

2080	144	-1.11	-6.35	-0.26	1.41e-03	0.0	-1.08e-04
2080	155	-6.65	2.48	-0.15	-5.36e-04	0.0	1.27e-04
2080	169	0.92	8.19	0.06	-1.94e-03	0.0	1.93e-04
2080	176	-1.24	-7.21	-0.28	1.61e-03	0.0	-1.23e-04
2080	187	-6.55	2.56	-0.14	-5.53e-04	0.0	1.29e-04
2080	201	0.89	8.40	0.07	-1.99e-03	0.0	1.94e-04
2080	208	-1.22	-7.41	-0.28	1.66e-03	0.0	-1.25e-04
2080	219	-7.60	3.05	-0.15	-6.45e-04	0.0	1.53e-04
2080	233	1.05	9.96	0.10	-2.35e-03	0.0	2.29e-04
2080	240	-1.40	-8.85	-0.31	2.00e-03	0.0	-1.50e-04
2080	256	-0.38	0.24	-0.13	-1.42e-04	0.0	1.06e-05
2080	264	-0.55	0.21	-0.12	-1.22e-04	0.0	1.34e-05
2080	276	-0.08	0.66	-0.10	-2.12e-04	0.0	2.34e-06
2080	298	-0.08	0.18	-0.11	-1.14e-04	0.0	4.59e-06
2080	305	-0.17	0.17	-0.11	-1.07e-04	0.0	6.03e-06
2080	307	-0.07	0.26	-0.10	-1.25e-04	0.0	3.83e-06
2080	310	-0.08	0.17	-0.11	-1.07e-04	0.0	4.53e-06
2081	28	-0.64	0.45	-0.19	-2.05e-04	0.0	1.71e-05
2081	44	-0.92	0.40	-0.18	-1.76e-04	0.0	2.12e-05
2081	68	-0.15	1.15	-0.15	-3.09e-04	0.0	-1.17e-06
2081	123	-6.59	2.51	-0.15	-4.70e-04	0.0	9.63e-05
2081	137	0.88	8.17	0.05	-1.67e-03	0.0	1.38e-04
2081	144	-1.25	-7.09	-0.27	1.36e-03	0.0	-6.68e-05
2081	155	-7.39	2.81	-0.16	-5.18e-04	0.0	1.08e-04
2081	169	1.00	9.21	0.07	-1.88e-03	0.0	1.54e-04
2081	176	-1.40	-8.05	-0.29	1.56e-03	0.0	-7.59e-05
2081	187	-7.28	2.90	-0.15	-5.35e-04	0.0	1.09e-04
2081	201	0.98	9.45	0.08	-1.93e-03	0.0	1.52e-04
2081	208	-1.37	-8.27	-0.30	1.60e-03	0.0	-7.45e-05
2081	219	-8.44	3.45	-0.16	-6.24e-04	0.0	1.28e-04
2081	233	1.15	11.20	0.11	-2.27e-03	0.0	1.77e-04
2081	240	-1.57	-9.89	-0.33	1.93e-03	0.0	-8.85e-05
2081	256	-0.43	0.31	-0.14	-1.42e-04	0.0	1.19e-05
2081	264	-0.62	0.28	-0.13	-1.23e-04	0.0	1.46e-05
2081	276	-0.11	0.77	-0.11	-2.11e-04	0.0	0.0
2081	298	-0.11	0.24	-0.11	-1.14e-04	0.0	5.74e-06
2081	305	-0.20	0.23	-0.11	-1.07e-04	0.0	7.14e-06
2081	307	-0.10	0.33	-0.11	-1.25e-04	0.0	4.16e-06
2081	310	-0.10	0.23	-0.11	-1.07e-04	0.0	5.65e-06
2082	28	-0.45	0.23	-0.14	-2.02e-04	0.0	1.08e-05
2082	44	-0.69	0.20	-0.14	-1.70e-04	0.0	1.69e-05
2082	68	-0.06	0.81	-0.09	-3.08e-04	0.0	9.65e-06
2082	123	-5.22	1.86	-0.13	-4.67e-04	0.0	1.89e-04
2082	137	1.88	6.24	0.18	-1.69e-03	0.0	3.08e-04
2082	144	-2.10	-5.53	-0.34	1.38e-03	0.0	-2.49e-04
2082	155	-5.86	2.09	-0.14	-5.16e-04	0.0	2.14e-04
2082	169	2.11	7.05	0.21	-1.90e-03	0.0	3.48e-04
2082	176	-2.36	-6.27	-0.38	1.58e-03	0.0	-2.82e-04
2082	187	-5.77	2.16	-0.13	-5.32e-04	0.0	2.16e-04
2082	201	2.08	7.22	0.22	-1.95e-03	0.0	3.56e-04
2082	208	-2.33	-6.44	-0.38	1.62e-03	0.0	-2.90e-04
2082	219	-6.70	2.57	-0.14	-6.20e-04	0.0	2.56e-04
2082	233	2.44	8.57	0.28	-2.30e-03	0.0	4.23e-04
2082	240	-2.71	-7.69	-0.44	1.95e-03	0.0	-3.46e-04
2082	256	-0.31	0.16	-0.10	-1.40e-04	0.0	7.37e-06
2082	264	-0.46	0.14	-0.10	-1.18e-04	0.0	1.15e-05
2082	276	-0.04	0.55	-0.07	-2.11e-04	0.0	6.63e-06
2082	305	-0.13	0.11	-0.08	-1.07e-04	0.0	2.94e-06
2082	307	-0.04	0.20	-0.08	-1.25e-04	0.0	1.97e-06
2082	310	-0.04	0.11	-0.08	-1.07e-04	0.0	1.08e-06
2083	28	-0.55	0.33	-0.16	-2.02e-04	0.0	1.72e-05
2083	44	-0.81	0.29	-0.16	-1.73e-04	0.0	2.21e-05
2083	68	-0.11	0.98	-0.10	-3.13e-04	0.0	5.70e-06
2083	123	-5.92	2.15	-0.16	-4.85e-04	0.0	1.31e-04
2083	137	0.81	7.16	0.19	-1.75e-03	0.0	2.11e-04
2083	144	-1.11	-6.28	-0.37	1.44e-03	0.0	-1.46e-04
2083	155	-6.65	2.41	-0.17	-5.36e-04	0.0	1.47e-04
2083	169	0.92	8.08	0.22	-1.97e-03	0.0	2.38e-04
2083	176	-1.24	-7.12	-0.40	1.64e-03	0.0	-1.66e-04
2083	187	-6.54	2.49	-0.16	-5.53e-04	0.0	1.49e-04
2083	201	0.89	8.29	0.23	-2.02e-03	0.0	2.41e-04
2083	208	-1.22	-7.32	-0.41	1.69e-03	0.0	-1.71e-04
2083	219	-7.60	2.96	-0.17	-6.45e-04	0.0	1.76e-04
2083	233	1.05	9.83	0.29	-2.38e-03	0.0	2.85e-04
2083	240	-1.39	-8.74	-0.47	2.03e-03	0.0	-2.04e-04

2083	256	-0.37	0.23	-0.11	-1.40e-04	0.0	1.20e-05
2083	264	-0.55	0.20	-0.11	-1.20e-04	0.0	1.53e-05
2083	276	-0.08	0.66	-0.08	-2.14e-04	0.0	4.34e-06
2083	305	-0.17	0.17	-0.09	-1.06e-04	0.0	6.93e-06
2083	307	-0.07	0.26	-0.09	-1.25e-04	0.0	4.74e-06
2083	310	-0.07	0.17	-0.09	-1.06e-04	0.0	5.25e-06
2084	28	-0.64	0.44	-0.17	-2.04e-04	0.0	2.04e-05
2084	44	-0.92	0.39	-0.17	-1.76e-04	0.0	2.45e-05
2084	68	-0.15	1.15	-0.11	-3.14e-04	0.0	-2.18e-06
2084	123	-6.59	2.47	-0.18	-4.75e-04	0.0	9.89e-05
2084	137	0.88	8.14	0.19	-1.75e-03	0.0	1.44e-04
2084	144	-1.25	-7.06	-0.39	1.43e-03	0.0	-7.01e-05
2084	155	-7.39	2.76	-0.19	-5.25e-04	0.0	1.11e-04
2084	169	1.00	9.17	0.23	-1.96e-03	0.0	1.62e-04
2084	176	-1.40	-8.02	-0.43	1.64e-03	0.0	-7.98e-05
2084	187	-7.28	2.85	-0.19	-5.42e-04	0.0	1.12e-04
2084	201	0.98	9.41	0.24	-2.01e-03	0.0	1.59e-04
2084	208	-1.37	-8.24	-0.44	1.68e-03	0.0	-7.85e-05
2084	219	-8.44	3.38	-0.20	-6.34e-04	0.0	1.31e-04
2084	233	1.15	11.15	0.30	-2.37e-03	0.0	1.85e-04
2084	240	-1.57	-9.85	-0.50	2.02e-03	0.0	-9.38e-05
2084	256	-0.43	0.31	-0.12	-1.41e-04	0.0	1.43e-05
2084	264	-0.62	0.27	-0.12	-1.22e-04	0.0	1.70e-05
2084	276	-0.11	0.77	-0.08	-2.14e-04	0.0	0.0
2084	305	-0.20	0.23	-0.10	-1.07e-04	0.0	9.07e-06
2084	307	-0.10	0.33	-0.09	-1.25e-04	0.0	5.52e-06
2084	310	-0.10	0.22	-0.10	-1.06e-04	0.0	7.56e-06
2085	44	-1.04	0.57	-0.30	-2.05e-04	0.0	-9.79e-06
2085	52	-0.23	1.04	-0.38	-3.14e-04	0.0	-3.79e-05
2085	68	-0.19	1.28	-0.34	-3.39e-04	0.0	-4.41e-05
2085	121	6.32	2.42	-0.38	-6.50e-04	0.0	-8.90e-05
2085	123	-7.20	3.07	-0.08	-5.57e-04	0.0	-5.06e-05
2085	129	0.67	9.12	-0.34	-1.86e-03	0.0	-1.51e-04
2085	153	7.12	2.71	-0.41	-7.21e-04	0.0	-9.88e-05
2085	155	-8.08	3.44	-0.07	-6.15e-04	0.0	-5.57e-05
2085	161	0.77	10.29	-0.36	-2.09e-03	0.0	-1.70e-04
2085	185	7.00	2.82	-0.40	-7.42e-04	0.0	-1.00e-04
2085	187	-7.95	3.55	-0.07	-6.35e-04	0.0	-5.75e-05
2085	193	0.75	10.68	-0.36	-2.16e-03	0.0	-1.76e-04
2085	217	8.15	3.35	-0.44	-8.70e-04	0.0	-1.17e-04
2085	219	-9.22	4.21	-0.05	-7.42e-04	0.0	-6.71e-05
2085	225	0.90	12.80	-0.39	-2.58e-03	0.0	-2.11e-04
2085	264	-0.70	0.39	-0.21	-1.43e-04	0.0	-7.20e-06
2085	268	-0.16	0.71	-0.26	-2.15e-04	0.0	-2.59e-05
2085	276	-0.13	0.86	-0.24	-2.32e-04	0.0	-3.01e-05
2085	298	-0.13	0.31	-0.22	-1.27e-04	0.0	-1.34e-05
2085	305	-0.24	0.30	-0.20	-1.21e-04	0.0	-1.13e-05
2085	307	-0.13	0.40	-0.21	-1.39e-04	0.0	-1.58e-05
2085	310	-0.13	0.29	-0.21	-1.20e-04	0.0	-1.27e-05
2086	44	-1.13	0.68	-0.31	-2.11e-04	0.0	1.07e-05
2086	52	-0.27	1.20	-0.39	-3.24e-04	0.0	-8.46e-06
2086	68	-0.23	1.45	-0.35	-3.49e-04	0.0	-1.39e-05
2086	121	6.81	2.72	-0.40	-6.57e-04	0.0	-4.25e-05
2086	123	-7.79	3.40	-0.09	-5.64e-04	0.0	-6.32e-06
2086	129	0.72	10.07	-0.36	-1.87e-03	0.0	-2.13e-05
2086	153	7.68	3.03	-0.43	-7.28e-04	0.0	-4.74e-05
2086	155	-8.74	3.81	-0.07	-6.22e-04	0.0	-6.76e-06
2086	161	0.82	11.36	-0.38	-2.10e-03	0.0	-2.30e-05
2086	185	7.55	3.15	-0.42	-7.50e-04	0.0	-4.43e-05
2086	187	-8.60	3.93	-0.08	-6.43e-04	0.0	-5.16e-06
2086	193	0.80	11.79	-0.38	-2.18e-03	0.0	-1.68e-05
2086	217	8.80	3.74	-0.46	-8.78e-04	0.0	-5.10e-05
2086	219	-9.97	4.65	-0.06	-7.51e-04	0.0	-5.72e-06
2086	225	0.96	14.13	-0.41	-2.60e-03	0.0	-1.84e-05
2086	264	-0.76	0.47	-0.22	-1.47e-04	0.0	7.01e-06
2086	268	-0.19	0.82	-0.28	-2.22e-04	0.0	-5.74e-06
2086	276	-0.16	0.99	-0.25	-2.39e-04	0.0	-9.36e-06
2086	298	-0.16	0.38	-0.23	-1.31e-04	0.0	0.0
2086	305	-0.27	0.37	-0.21	-1.25e-04	0.0	0.0
2086	307	-0.15	0.47	-0.22	-1.43e-04	0.0	-2.39e-06
2086	310	-0.15	0.35	-0.22	-1.24e-04	0.0	0.0
2087	44	-1.04	0.57	-0.30	-1.92e-04	0.0	-4.62e-06
2087	52	-0.23	1.06	-0.37	-2.96e-04	0.0	-2.95e-05
2087	68	-0.19	1.30	-0.33	-3.20e-04	0.0	-3.49e-05
2087	121	6.32	2.46	-0.30	-5.99e-04	0.0	-6.43e-05

2087	123	-7.20	3.10	-0.14	-5.13e-04	0.0	-3.00e-05
2087	129	0.67	9.21	-0.28	-1.70e-03	0.0	-8.22e-05
2087	153	7.12	2.75	-0.31	-6.64e-04	0.0	-7.12e-05
2087	155	-8.07	3.47	-0.13	-5.66e-04	0.0	-3.26e-05
2087	161	0.77	10.40	-0.29	-1.92e-03	0.0	-9.16e-05
2087	185	7.00	2.86	-0.31	-6.84e-04	0.0	-7.06e-05
2087	187	-7.95	3.58	-0.13	-5.85e-04	0.0	-3.30e-05
2087	193	0.75	10.79	-0.29	-1.99e-03	0.0	-9.29e-05
2087	217	8.15	3.40	-0.33	-8.01e-04	0.0	-8.17e-05
2087	219	-9.22	4.24	-0.12	-6.83e-04	0.0	-3.80e-05
2087	225	0.90	12.94	-0.31	-2.37e-03	0.0	-1.10e-04
2087	264	-0.70	0.40	-0.22	-1.34e-04	0.0	-3.57e-06
2087	268	-0.16	0.72	-0.26	-2.03e-04	0.0	-2.01e-05
2087	276	-0.13	0.88	-0.23	-2.19e-04	0.0	-2.38e-05
2087	298	-0.13	0.32	-0.22	-1.19e-04	0.0	-1.00e-05
2087	305	-0.24	0.31	-0.20	-1.14e-04	0.0	-8.06e-06
2087	307	-0.13	0.41	-0.21	-1.31e-04	0.0	-1.21e-05
2087	310	-0.13	0.30	-0.21	-1.12e-04	0.0	-9.48e-06
2088	44	-1.12	0.67	-0.32	-1.98e-04	0.0	7.31e-06
2088	52	-0.27	1.21	-0.39	-3.05e-04	0.0	-1.28e-05
2088	68	-0.23	1.46	-0.35	-3.29e-04	0.0	-1.77e-05
2088	121	6.81	3.40	-0.32	-6.00e-04	0.0	-4.41e-05
2088	123	-7.79	2.72	-0.15	-5.15e-04	0.0	-1.09e-05
2088	129	0.72	10.06	-0.29	-1.70e-03	0.0	-2.60e-05
2088	153	7.68	3.80	-0.33	-6.64e-04	0.0	-4.88e-05
2088	155	-8.74	3.04	-0.14	-5.68e-04	0.0	-1.16e-05
2088	161	0.82	11.36	-0.30	-1.91e-03	0.0	-2.81e-05
2088	185	7.55	3.92	-0.33	-6.84e-04	0.0	-4.57e-05
2088	187	-8.60	3.16	-0.14	-5.86e-04	0.0	-1.01e-05
2088	193	0.80	11.78	-0.31	-1.98e-03	0.0	-2.19e-05
2088	217	8.80	4.64	-0.35	-8.00e-04	0.0	-5.23e-05
2088	219	-9.97	3.75	-0.13	-6.84e-04	0.0	-1.12e-05
2088	225	0.96	14.12	-0.32	-2.36e-03	0.0	-2.41e-05
2088	264	-0.75	0.46	-0.23	-1.38e-04	0.0	4.73e-06
2088	268	-0.19	0.82	-0.27	-2.09e-04	0.0	-8.71e-06
2088	276	-0.16	0.99	-0.25	-2.25e-04	0.0	-1.20e-05
2088	298	-0.16	0.38	-0.23	-1.23e-04	0.0	-2.79e-06
2088	305	-0.27	0.37	-0.21	-1.17e-04	0.0	-1.14e-06
2088	307	-0.15	0.47	-0.22	-1.35e-04	0.0	-4.48e-06
2088	310	-0.15	0.36	-0.22	-1.16e-04	0.0	-2.67e-06
2089	44	-1.03	0.57	-0.31	-1.86e-04	0.0	4.32e-06
2089	52	-0.23	1.07	-0.36	-2.89e-04	0.0	-1.57e-05
2089	68	-0.19	1.31	-0.32	-3.13e-04	0.0	-2.02e-05
2089	121	6.32	2.48	-0.26	-5.78e-04	0.0	-4.35e-05
2089	123	-7.20	3.11	-0.17	-4.95e-04	0.0	-1.09e-05
2089	129	0.67	9.24	-0.24	-1.64e-03	0.0	-2.66e-05
2089	153	7.12	2.77	-0.26	-6.41e-04	0.0	-4.80e-05
2089	155	-8.07	3.48	-0.16	-5.46e-04	0.0	-1.15e-05
2089	161	0.77	10.44	-0.25	-1.85e-03	0.0	-2.85e-05
2089	185	7.00	2.88	-0.26	-6.60e-04	0.0	-4.49e-05
2089	187	-7.95	3.59	-0.16	-5.64e-04	0.0	-9.96e-06
2089	193	0.75	10.82	-0.25	-1.91e-03	0.0	-2.23e-05
2089	217	8.15	3.42	-0.27	-7.72e-04	0.0	-5.12e-05
2089	219	-9.22	4.26	-0.16	-6.59e-04	0.0	-1.07e-05
2089	225	0.90	12.98	-0.26	-2.28e-03	0.0	-2.42e-05
2089	264	-0.69	0.40	-0.22	-1.30e-04	0.0	2.69e-06
2089	268	-0.16	0.73	-0.26	-1.98e-04	0.0	-1.07e-05
2089	276	-0.13	0.89	-0.23	-2.14e-04	0.0	-1.37e-05
2089	298	-0.13	0.32	-0.21	-1.16e-04	0.0	-4.24e-06
2089	305	-0.24	0.31	-0.20	-1.11e-04	0.0	-2.59e-06
2089	307	-0.13	0.41	-0.20	-1.28e-04	0.0	-5.86e-06
2089	310	-0.13	0.30	-0.20	-1.10e-04	0.0	-4.02e-06
2090	44	-1.12	0.67	-0.32	-1.89e-04	0.0	9.98e-06
2090	52	-0.27	1.22	-0.38	-2.93e-04	0.0	-8.36e-06
2090	68	-0.22	1.47	-0.34	-3.17e-04	0.0	-1.26e-05
2090	121	6.81	3.39	-0.27	-5.68e-04	0.0	-4.84e-05
2090	123	-7.79	2.72	-0.17	-4.87e-04	0.0	-1.54e-05
2090	129	0.72	10.05	-0.26	-1.61e-03	0.0	-4.36e-05
2090	153	7.68	3.79	-0.28	-6.29e-04	0.0	-5.40e-05
2090	155	-8.74	3.04	-0.17	-5.37e-04	0.0	-1.71e-05
2090	161	0.82	11.34	-0.26	-1.80e-03	0.0	-4.84e-05
2090	185	7.55	3.91	-0.28	-6.47e-04	0.0	-5.16e-05
2090	187	-8.60	3.16	-0.17	-5.55e-04	0.0	-1.65e-05
2090	193	0.80	11.76	-0.26	-1.87e-03	0.0	-4.50e-05
2090	217	8.80	4.63	-0.29	-7.57e-04	0.0	-6.00e-05

2090	219	-9.97	3.75	-0.16	-6.47e-04	0.0	-1.96e-05
2090	225	0.96	14.09	-0.27	-2.23e-03	0.0	-5.33e-05
2090	264	-0.75	0.46	-0.23	-1.32e-04	0.0	6.63e-06
2090	268	-0.19	0.83	-0.27	-2.01e-04	0.0	-5.60e-06
2090	276	-0.16	1.00	-0.24	-2.17e-04	0.0	-8.44e-06
2090	298	-0.16	0.38	-0.22	-1.18e-04	0.0	-1.04e-06
2090	305	-0.27	0.37	-0.21	-1.12e-04	0.0	0.0
2090	307	-0.15	0.48	-0.21	-1.30e-04	0.0	-2.48e-06
2090	310	-0.15	0.36	-0.21	-1.11e-04	0.0	0.0
2091	4	0.02	0.55	-0.35	-2.04e-04	0.0	-1.03e-06
2091	44	-1.03	0.57	-0.30	-1.84e-04	0.0	1.27e-05
2091	68	-0.19	1.32	-0.31	-3.10e-04	0.0	-6.49e-06
2091	121	6.32	2.48	-0.23	-5.69e-04	0.0	2.40e-05
2091	123	-7.20	3.10	-0.18	-4.87e-04	0.0	5.66e-05
2091	137	0.95	9.26	-0.22	-1.64e-03	0.0	-6.66e-06
2091	153	7.12	2.77	-0.23	-6.31e-04	0.0	2.69e-05
2091	155	-8.07	3.47	-0.18	-5.38e-04	0.0	6.35e-05
2091	169	1.08	10.44	-0.22	-1.84e-03	0.0	-7.52e-06
2091	185	7.00	2.88	-0.23	-6.50e-04	0.0	2.76e-05
2091	187	-7.95	3.57	-0.18	-5.55e-04	0.0	6.22e-05
2091	193	0.75	10.78	-0.23	-1.88e-03	0.0	2.10e-04
2091	217	8.15	3.42	-0.24	-7.60e-04	0.0	3.32e-05
2091	219	-9.22	4.24	-0.17	-6.48e-04	0.0	7.31e-05
2091	225	0.90	12.93	-0.23	-2.24e-03	0.0	2.48e-04
2091	244	4.11e-03	0.38	-0.25	-1.42e-04	0.0	0.0
2091	264	-0.69	0.39	-0.22	-1.28e-04	0.0	8.53e-06
2091	276	-0.13	0.90	-0.22	-2.12e-04	0.0	-4.24e-06
2091	298	-0.13	0.32	-0.21	-1.15e-04	0.0	1.17e-06
2091	305	-0.24	0.31	-0.20	-1.10e-04	0.0	2.53e-06
2091	307	-0.13	0.41	-0.20	-1.27e-04	0.0	0.0
2091	310	-0.13	0.30	-0.20	-1.09e-04	0.0	1.09e-06
2092	4	-8.65e-03	0.65	-0.37	-2.05e-04	0.0	0.0
2092	44	-1.12	0.66	-0.32	-1.85e-04	0.0	1.51e-05
2092	68	-0.22	1.48	-0.33	-3.12e-04	0.0	-3.74e-06
2092	121	6.81	3.37	-0.24	-5.50e-04	0.0	3.20e-05
2092	123	-7.79	2.71	-0.19	-4.71e-04	0.0	6.52e-05
2092	137	1.01	10.06	-0.23	-1.58e-03	0.0	4.30e-06
2092	153	7.68	3.77	-0.25	-6.08e-04	0.0	3.59e-05
2092	155	-8.74	3.03	-0.18	-5.19e-04	0.0	7.31e-05
2092	169	1.15	11.34	-0.24	-1.78e-03	0.0	4.84e-06
2092	185	7.55	3.89	-0.24	-6.26e-04	0.0	3.70e-05
2092	187	-8.60	3.15	-0.18	-5.36e-04	0.0	7.21e-05
2092	193	0.80	11.69	-0.24	-1.80e-03	0.0	2.45e-04
2092	217	8.80	4.60	-0.25	-7.32e-04	0.0	4.45e-05
2092	219	-9.97	3.74	-0.18	-6.25e-04	0.0	8.48e-05
2092	225	0.96	14.01	-0.24	-2.15e-03	0.0	2.90e-04
2092	244	-0.01	0.45	-0.26	-1.42e-04	0.0	0.0
2092	264	-0.75	0.46	-0.23	-1.29e-04	0.0	1.03e-05
2092	276	-0.16	1.00	-0.23	-2.13e-04	0.0	-2.34e-06
2092	298	-0.16	0.38	-0.22	-1.16e-04	0.0	2.32e-06
2092	305	-0.27	0.37	-0.21	-1.10e-04	0.0	3.71e-06
2092	307	-0.15	0.48	-0.21	-1.27e-04	0.0	1.19e-06
2092	310	-0.15	0.36	-0.21	-1.09e-04	0.0	2.19e-06
2093	4	0.02	0.55	-0.34	-2.04e-04	0.0	5.54e-06
2093	44	-1.03	0.56	-0.29	-1.83e-04	0.0	1.83e-05
2093	68	-0.19	1.32	-0.30	-3.10e-04	0.0	3.19e-06
2093	121	6.32	2.46	-0.21	-5.64e-04	0.0	7.83e-05
2093	123	-7.20	3.06	-0.18	-4.83e-04	0.0	4.53e-05
2093	137	0.95	9.26	-0.20	-1.63e-03	0.0	6.76e-06
2093	153	7.12	2.75	-0.21	-6.25e-04	0.0	8.76e-05
2093	155	-8.07	3.43	-0.18	-5.32e-04	0.0	5.08e-05
2093	169	1.08	10.43	-0.20	-1.84e-03	0.0	7.27e-06
2093	185	7.00	2.85	-0.21	-6.44e-04	0.0	8.77e-05
2093	187	-7.95	3.54	-0.18	-5.50e-04	0.0	5.29e-05
2093	201	1.05	10.71	-0.20	-1.88e-03	0.0	1.11e-05
2093	217	8.15	3.39	-0.21	-7.53e-04	0.0	1.03e-04
2093	219	-9.22	4.19	-0.17	-6.41e-04	0.0	6.33e-05
2093	225	0.90	12.80	-0.21	-2.22e-03	0.0	3.44e-04
2093	244	4.12e-03	0.38	-0.24	-1.41e-04	0.0	3.95e-06
2093	264	-0.69	0.39	-0.21	-1.28e-04	0.0	1.25e-05
2093	276	-0.13	0.90	-0.21	-2.12e-04	0.0	2.39e-06
2093	298	-0.13	0.32	-0.20	-1.15e-04	0.0	4.85e-06
2093	305	-0.24	0.31	-0.19	-1.09e-04	0.0	6.01e-06
2093	307	-0.12	0.41	-0.19	-1.26e-04	0.0	3.99e-06
2093	310	-0.13	0.30	-0.19	-1.09e-04	0.0	4.57e-06

2094	4	-8.59e-03	0.65	-0.36	-2.03e-04	0.0	5.97e-06
2094	44	-1.11	0.65	-0.31	-1.83e-04	0.0	1.95e-05
2094	68	-0.22	1.48	-0.31	-3.09e-04	0.0	3.90e-06
2094	121	6.82	3.33	-0.22	-5.40e-04	0.0	8.37e-05
2094	123	-7.79	2.69	-0.19	-4.63e-04	0.0	5.00e-05
2094	137	1.01	10.05	-0.21	-1.56e-03	0.0	6.22e-06
2094	153	7.68	3.73	-0.22	-5.98e-04	0.0	9.37e-05
2094	155	-8.74	3.01	-0.19	-5.10e-04	0.0	5.60e-05
2094	169	1.16	11.32	-0.21	-1.76e-03	0.0	6.60e-06
2094	185	7.55	3.85	-0.22	-6.15e-04	0.0	9.38e-05
2094	187	-8.60	3.12	-0.19	-5.27e-04	0.0	5.84e-05
2094	201	1.13	11.62	-0.21	-1.80e-03	0.0	1.04e-05
2094	217	8.80	4.55	-0.22	-7.19e-04	0.0	1.11e-04
2094	219	-9.98	3.70	-0.18	-6.14e-04	0.0	6.99e-05
2094	225	0.96	13.87	-0.22	-2.11e-03	0.0	3.72e-04
2094	244	-0.01	0.45	-0.25	-1.41e-04	0.0	4.27e-06
2094	264	-0.75	0.45	-0.22	-1.27e-04	0.0	1.33e-05
2094	276	-0.16	1.00	-0.22	-2.12e-04	0.0	2.89e-06
2094	298	-0.16	0.38	-0.21	-1.15e-04	0.0	5.18e-06
2094	305	-0.27	0.36	-0.20	-1.09e-04	0.0	6.41e-06
2094	307	-0.15	0.47	-0.20	-1.26e-04	0.0	4.33e-06
2094	310	-0.15	0.35	-0.20	-1.08e-04	0.0	4.88e-06
2095	4	0.02	0.55	-0.32	-2.04e-04	0.0	8.89e-06
2095	44	-1.02	0.55	-0.28	-1.82e-04	0.0	2.12e-05
2095	68	-0.19	1.32	-0.28	-3.10e-04	0.0	8.47e-06
2095	118	6.25	-0.13	-0.19	-3.22e-05	0.0	2.32e-04
2095	123	-7.20	3.02	-0.17	-4.79e-04	0.0	5.80e-05
2095	137	0.95	9.22	-0.18	-1.63e-03	0.0	-1.37e-05
2095	150	7.04	-0.19	-0.19	-2.21e-05	0.0	2.60e-04
2095	155	-8.07	3.38	-0.17	-5.28e-04	0.0	6.49e-05
2095	169	1.08	10.39	-0.18	-1.83e-03	0.0	-1.64e-05
2095	182	6.92	-0.20	-0.19	-2.07e-05	0.0	2.56e-04
2095	187	-7.95	3.49	-0.17	-5.45e-04	0.0	6.78e-05
2095	201	1.05	10.67	-0.18	-1.88e-03	0.0	-1.55e-05
2095	214	8.09	-0.28	-0.19	-6.54e-06	0.0	2.98e-04
2095	219	-9.22	4.13	-0.17	-6.36e-04	0.0	8.11e-05
2095	233	1.24	12.64	-0.18	-2.21e-03	0.0	-1.94e-05
2095	244	4.16e-03	0.38	-0.23	-1.41e-04	0.0	6.28e-06
2095	264	-0.69	0.38	-0.20	-1.27e-04	0.0	1.45e-05
2095	276	-0.13	0.89	-0.20	-2.12e-04	0.0	6.00e-06
2095	298	-0.13	0.32	-0.19	-1.15e-04	0.0	6.72e-06
2095	305	-0.24	0.31	-0.18	-1.09e-04	0.0	7.77e-06
2095	307	-0.12	0.41	-0.18	-1.26e-04	0.0	6.08e-06
2095	310	-0.13	0.30	-0.18	-1.08e-04	0.0	6.33e-06
2096	4	-8.51e-03	0.65	-0.34	-2.03e-04	0.0	8.89e-06
2096	44	-1.11	0.64	-0.30	-1.81e-04	0.0	2.20e-05
2096	68	-0.22	1.47	-0.30	-3.09e-04	0.0	8.54e-06
2096	118	6.75	-0.11	-0.20	-3.33e-05	0.0	2.49e-04
2096	123	-7.79	2.66	-0.18	-4.59e-04	0.0	6.15e-05
2096	137	1.02	10.01	-0.19	-1.56e-03	0.0	-1.30e-05
2096	150	7.60	-0.18	-0.20	-2.36e-05	0.0	2.79e-04
2096	155	-8.74	2.97	-0.18	-5.05e-04	0.0	6.88e-05
2096	169	1.16	11.28	-0.19	-1.75e-03	0.0	-1.56e-05
2096	182	7.48	-0.19	-0.20	-2.24e-05	0.0	2.74e-04
2096	187	-8.60	3.09	-0.18	-5.22e-04	0.0	7.19e-05
2096	201	1.13	11.58	-0.19	-1.79e-03	0.0	-1.45e-05
2096	214	8.74	-0.28	-0.20	-8.71e-06	0.0	3.20e-04
2096	219	-9.98	3.66	-0.18	-6.07e-04	0.0	8.60e-05
2096	233	1.33	13.72	-0.19	-2.11e-03	0.0	-1.81e-05
2096	244	-0.01	0.45	-0.24	-1.41e-04	0.0	6.30e-06
2096	264	-0.75	0.44	-0.21	-1.26e-04	0.0	1.50e-05
2096	276	-0.16	1.00	-0.21	-2.11e-04	0.0	6.06e-06
2096	298	-0.16	0.37	-0.20	-1.15e-04	0.0	6.81e-06
2096	305	-0.26	0.36	-0.19	-1.09e-04	0.0	7.95e-06
2096	307	-0.15	0.47	-0.19	-1.26e-04	0.0	6.15e-06
2096	310	-0.15	0.35	-0.19	-1.08e-04	0.0	6.42e-06
2097	44	-1.02	0.54	-0.27	-1.82e-04	0.0	2.21e-05
2097	68	-0.19	1.31	-0.27	-3.10e-04	0.0	1.03e-05
2097	76	-0.23	0.31	-0.30	-1.66e-04	0.0	1.34e-05
2097	123	-7.20	2.97	-0.17	-4.74e-04	0.0	6.34e-05
2097	137	0.95	9.17	-0.16	-1.63e-03	0.0	1.63e-04
2097	140	-1.20	-8.58	-0.18	1.41e-03	0.0	-1.49e-04
2097	155	-8.07	3.33	-0.17	-5.23e-04	0.0	7.10e-05
2097	169	1.08	10.34	-0.16	-1.83e-03	0.0	1.83e-04
2097	172	-1.33	-9.75	-0.19	1.61e-03	0.0	-1.69e-04

2097	187	-7.95	3.43	-0.17	-5.40e-04	0.0	7.42e-05
2097	201	1.05	10.61	-0.16	-1.87e-03	0.0	1.81e-04
2097	204	-1.30	-10.02	-0.19	1.66e-03	0.0	-1.67e-04
2097	219	-9.22	4.07	-0.17	-6.30e-04	0.0	8.87e-05
2097	233	1.24	12.57	-0.16	-2.21e-03	0.0	2.12e-04
2097	236	-1.50	-11.99	-0.19	1.99e-03	0.0	-1.98e-04
2097	264	-0.69	0.37	-0.19	-1.26e-04	0.0	1.51e-05
2097	276	-0.13	0.89	-0.19	-2.12e-04	0.0	7.25e-06
2097	280	-0.16	0.22	-0.22	-1.16e-04	0.0	9.32e-06
2097	298	-0.13	0.31	-0.18	-1.15e-04	0.0	7.26e-06
2097	305	-0.24	0.30	-0.17	-1.09e-04	0.0	8.29e-06
2097	307	-0.12	0.40	-0.17	-1.26e-04	0.0	6.72e-06
2097	310	-0.13	0.29	-0.17	-1.08e-04	0.0	6.85e-06
2098	44	-1.11	0.63	-0.28	-1.80e-04	0.0	2.29e-05
2098	68	-0.22	1.47	-0.28	-3.09e-04	0.0	1.04e-05
2098	76	-0.27	0.39	-0.32	-1.65e-04	0.0	1.36e-05
2098	123	-7.79	2.62	-0.18	-4.56e-04	0.0	6.71e-05
2098	137	1.02	9.96	-0.17	-1.56e-03	0.0	1.72e-04
2098	140	-1.31	-9.26	-0.19	1.34e-03	0.0	-1.58e-04
2098	155	-8.74	2.93	-0.18	-5.02e-04	0.0	7.51e-05
2098	169	1.16	11.22	-0.17	-1.75e-03	0.0	1.93e-04
2098	172	-1.45	-10.53	-0.20	1.53e-03	0.0	-1.79e-04
2098	187	-8.61	3.04	-0.18	-5.18e-04	0.0	7.85e-05
2098	201	1.13	11.52	-0.17	-1.79e-03	0.0	1.91e-04
2098	204	-1.42	-10.82	-0.20	1.58e-03	0.0	-1.77e-04
2098	219	-9.98	3.61	-0.18	-6.03e-04	0.0	9.39e-05
2098	233	1.34	13.64	-0.17	-2.11e-03	0.0	2.23e-04
2098	236	-1.63	-12.95	-0.20	1.90e-03	0.0	-2.09e-04
2098	264	-0.75	0.43	-0.20	-1.26e-04	0.0	1.57e-05
2098	276	-0.16	0.99	-0.20	-2.11e-04	0.0	7.35e-06
2098	280	-0.19	0.28	-0.23	-1.15e-04	0.0	9.50e-06
2098	298	-0.16	0.37	-0.19	-1.14e-04	0.0	7.37e-06
2098	305	-0.26	0.36	-0.18	-1.09e-04	0.0	8.48e-06
2098	307	-0.15	0.47	-0.18	-1.26e-04	0.0	6.82e-06
2098	310	-0.15	0.35	-0.18	-1.08e-04	0.0	6.95e-06
2099	28	-0.72	0.58	-0.28	-2.08e-04	0.0	1.92e-05
2099	44	-1.02	0.52	-0.25	-1.80e-04	0.0	2.19e-05
2099	68	-0.19	1.31	-0.25	-3.09e-04	0.0	9.60e-06
2099	123	-7.20	2.92	-0.17	-4.69e-04	0.0	6.38e-05
2099	137	0.95	9.12	-0.14	-1.62e-03	0.0	1.68e-04
2099	144	-1.38	-7.84	-0.19	1.31e-03	0.0	-9.99e-05
2099	155	-8.07	3.27	-0.17	-5.17e-04	0.0	7.15e-05
2099	169	1.08	10.28	-0.13	-1.82e-03	0.0	1.89e-04
2099	176	-1.54	-8.91	-0.19	1.50e-03	0.0	-1.13e-04
2099	187	-7.95	3.38	-0.17	-5.34e-04	0.0	7.48e-05
2099	201	1.05	10.55	-0.13	-1.86e-03	0.0	1.87e-04
2099	208	-1.51	-9.16	-0.19	1.54e-03	0.0	-1.13e-04
2099	219	-9.22	4.00	-0.17	-6.22e-04	0.0	8.95e-05
2099	233	1.25	12.50	-0.13	-2.20e-03	0.0	2.19e-04
2099	240	-1.73	-10.96	-0.20	1.85e-03	0.0	-1.34e-04
2099	256	-0.49	0.40	-0.20	-1.44e-04	0.0	1.32e-05
2099	264	-0.69	0.36	-0.18	-1.26e-04	0.0	1.50e-05
2099	276	-0.13	0.88	-0.18	-2.12e-04	0.0	6.80e-06
2099	298	-0.13	0.31	-0.17	-1.15e-04	0.0	7.01e-06
2099	305	-0.23	0.30	-0.16	-1.09e-04	0.0	8.09e-06
2099	307	-0.12	0.40	-0.16	-1.26e-04	0.0	6.45e-06
2099	310	-0.13	0.29	-0.16	-1.08e-04	0.0	6.64e-06
2100	28	-0.80	0.69	-0.30	-2.08e-04	0.0	2.01e-05
2100	44	-1.11	0.61	-0.27	-1.80e-04	0.0	2.29e-05
2100	68	-0.22	1.46	-0.26	-3.09e-04	0.0	1.02e-05
2100	123	-7.80	3.19	-0.17	-4.53e-04	0.0	6.86e-05
2100	137	1.02	9.90	-0.14	-1.56e-03	0.0	1.79e-04
2100	144	-1.51	-8.46	-0.20	1.25e-03	0.0	-1.06e-04
2100	155	-8.75	3.57	-0.17	-4.99e-04	0.0	7.69e-05
2100	169	1.16	11.16	-0.14	-1.75e-03	0.0	2.01e-04
2100	176	-1.67	-9.62	-0.20	1.43e-03	0.0	-1.20e-04
2100	187	-8.61	3.68	-0.17	-5.15e-04	0.0	8.04e-05
2100	201	1.13	11.45	-0.14	-1.79e-03	0.0	2.00e-04
2100	208	-1.64	-9.90	-0.20	1.47e-03	0.0	-1.20e-04
2100	219	-9.98	4.35	-0.17	-5.99e-04	0.0	9.63e-05
2100	233	1.34	13.56	-0.13	-2.11e-03	0.0	2.34e-04
2100	240	-1.88	-11.84	-0.21	1.77e-03	0.0	-1.42e-04
2100	256	-0.54	0.48	-0.21	-1.44e-04	0.0	1.38e-05
2100	264	-0.75	0.43	-0.19	-1.25e-04	0.0	1.57e-05
2100	276	-0.16	0.99	-0.18	-2.11e-04	0.0	7.24e-06

2100	298	-0.16	0.37	-0.18	-1.14e-04	0.0	7.29e-06
2100	305	-0.26	0.35	-0.17	-1.08e-04	0.0	8.43e-06
2100	307	-0.15	0.46	-0.17	-1.26e-04	0.0	6.74e-06
2100	310	-0.15	0.34	-0.17	-1.08e-04	0.0	6.90e-06
2101	28	-0.72	0.57	-0.26	-2.07e-04	0.0	1.82e-05
2101	44	-1.02	0.51	-0.23	-1.79e-04	0.0	2.13e-05
2101	68	-0.19	1.30	-0.22	-3.08e-04	0.0	6.78e-06
2101	123	-7.20	2.87	-0.16	-4.63e-04	0.0	9.94e-05
2101	137	0.95	9.06	-0.10	-1.61e-03	0.0	1.64e-04
2101	144	-1.38	-7.80	-0.20	1.30e-03	0.0	-8.67e-05
2101	155	-8.07	3.22	-0.16	-5.10e-04	0.0	1.11e-04
2101	169	1.08	10.22	-0.09	-1.81e-03	0.0	1.84e-04
2101	176	-1.54	-8.86	-0.21	1.49e-03	0.0	-9.86e-05
2101	187	-7.95	3.32	-0.16	-5.27e-04	0.0	1.13e-04
2101	201	1.05	10.48	-0.09	-1.85e-03	0.0	1.83e-04
2101	208	-1.51	-9.11	-0.21	1.53e-03	0.0	-9.84e-05
2101	219	-9.22	3.93	-0.16	-6.14e-04	0.0	1.33e-04
2101	233	1.25	12.42	-0.08	-2.18e-03	0.0	2.14e-04
2101	240	-1.73	-10.90	-0.22	1.84e-03	0.0	-1.17e-04
2101	256	-0.49	0.40	-0.18	-1.43e-04	0.0	1.25e-05
2101	264	-0.68	0.35	-0.17	-1.25e-04	0.0	1.46e-05
2101	276	-0.13	0.88	-0.16	-2.11e-04	0.0	4.93e-06
2101	298	-0.13	0.30	-0.16	-1.14e-04	0.0	6.38e-06
2101	305	-0.23	0.29	-0.15	-1.08e-04	0.0	7.56e-06
2101	307	-0.12	0.40	-0.15	-1.25e-04	0.0	5.62e-06
2101	310	-0.12	0.29	-0.15	-1.08e-04	0.0	6.09e-06
2102	28	-0.79	0.68	-0.27	-2.07e-04	0.0	1.94e-05
2102	44	-1.11	0.60	-0.24	-1.79e-04	0.0	2.25e-05
2102	68	-0.22	1.46	-0.23	-3.08e-04	0.0	8.04e-06
2102	123	-7.80	3.14	-0.17	-4.48e-04	0.0	6.69e-05
2102	137	1.02	9.84	-0.10	-1.55e-03	0.0	1.78e-04
2102	144	-1.51	-8.42	-0.21	1.25e-03	0.0	-1.06e-04
2102	155	-8.75	3.51	-0.17	-4.94e-04	0.0	7.50e-05
2102	169	1.16	11.09	-0.09	-1.74e-03	0.0	2.00e-04
2102	176	-1.68	-9.57	-0.22	1.43e-03	0.0	-1.20e-04
2102	187	-8.61	3.62	-0.17	-5.09e-04	0.0	7.85e-05
2102	201	1.13	11.38	-0.09	-1.79e-03	0.0	1.98e-04
2102	208	-1.64	-9.84	-0.22	1.47e-03	0.0	-1.19e-04
2102	219	-9.99	4.28	-0.17	-5.93e-04	0.0	9.40e-05
2102	233	1.34	13.48	-0.08	-2.10e-03	0.0	2.32e-04
2102	240	-1.88	-11.78	-0.23	1.77e-03	0.0	-1.42e-04
2102	256	-0.54	0.47	-0.19	-1.43e-04	0.0	1.34e-05
2102	264	-0.75	0.42	-0.17	-1.24e-04	0.0	1.55e-05
2102	276	-0.16	0.99	-0.17	-2.11e-04	0.0	5.80e-06
2102	298	-0.16	0.36	-0.16	-1.14e-04	0.0	6.91e-06
2102	305	-0.26	0.35	-0.16	-1.08e-04	0.0	8.11e-06
2102	307	-0.15	0.46	-0.15	-1.25e-04	0.0	6.18e-06
2102	310	-0.15	0.34	-0.16	-1.07e-04	0.0	6.57e-06
2103	28	-0.72	0.56	-0.23	-2.06e-04	0.0	1.71e-05
2103	44	-1.02	0.50	-0.21	-1.77e-04	0.0	2.07e-05
2103	68	-0.19	1.30	-0.19	-3.07e-04	0.0	1.66e-06
2103	123	-7.20	2.83	-0.16	-4.56e-04	0.0	9.30e-05
2103	137	0.95	9.02	-0.04	-1.60e-03	0.0	1.47e-04
2103	144	-1.38	-7.76	-0.23	1.29e-03	0.0	-7.07e-05
2103	155	-8.07	3.16	-0.16	-5.03e-04	0.0	1.04e-04
2103	169	1.08	10.16	-0.02	-1.80e-03	0.0	1.65e-04
2103	176	-1.54	-8.82	-0.24	1.48e-03	0.0	-8.02e-05
2103	187	-7.95	3.26	-0.16	-5.19e-04	0.0	1.05e-04
2103	201	1.05	10.43	-0.02	-1.84e-03	0.0	1.61e-04
2103	208	-1.51	-9.07	-0.25	1.52e-03	0.0	-7.84e-05
2103	219	-9.22	3.87	-0.16	-6.05e-04	0.0	1.24e-04
2103	233	1.25	12.35	3.97e-05	-2.17e-03	0.0	1.88e-04
2103	240	-1.73	-10.85	-0.27	1.83e-03	0.0	-9.29e-05
2103	256	-0.49	0.39	-0.16	-1.42e-04	0.0	1.18e-05
2103	264	-0.68	0.35	-0.15	-1.23e-04	0.0	1.42e-05
2103	276	-0.13	0.88	-0.14	-2.10e-04	0.0	1.56e-06
2103	298	-0.13	0.30	-0.14	-1.14e-04	0.0	5.76e-06
2103	305	-0.23	0.29	-0.13	-1.08e-04	0.0	7.05e-06
2103	307	-0.12	0.39	-0.13	-1.25e-04	0.0	4.51e-06
2103	310	-0.12	0.28	-0.13	-1.07e-04	0.0	5.58e-06
2104	28	-0.79	0.67	-0.24	-2.05e-04	0.0	1.82e-05
2104	44	-1.11	0.59	-0.22	-1.77e-04	0.0	2.16e-05
2104	68	-0.22	1.45	-0.20	-3.06e-04	0.0	2.80e-06
2104	123	-7.80	3.08	-0.17	-4.42e-04	0.0	6.11e-05
2104	137	1.02	9.79	-0.04	-1.55e-03	0.0	1.57e-04

2104	144	-1.51	-8.38	-0.24	1.25e-03	0.0	-8.53e-05
2104	155	-8.75	3.45	-0.17	-4.87e-04	0.0	6.84e-05
2104	169	1.16	11.04	-0.02	-1.74e-03	0.0	1.76e-04
2104	176	-1.68	-9.52	-0.26	1.42e-03	0.0	-9.67e-05
2104	187	-8.62	3.56	-0.17	-5.03e-04	0.0	7.15e-05
2104	201	1.13	11.32	-0.02	-1.78e-03	0.0	1.73e-04
2104	208	-1.64	-9.79	-0.26	1.46e-03	0.0	-9.40e-05
2104	219	-9.99	4.21	-0.17	-5.85e-04	0.0	8.56e-05
2104	233	1.34	13.41	3.10e-03	-2.10e-03	0.0	2.01e-04
2104	240	-1.88	-11.72	-0.28	1.76e-03	0.0	-1.11e-04
2104	256	-0.54	0.46	-0.17	-1.42e-04	0.0	1.26e-05
2104	264	-0.74	0.41	-0.16	-1.24e-04	0.0	1.49e-05
2104	276	-0.15	0.98	-0.14	-2.10e-04	0.0	2.33e-06
2104	298	-0.15	0.36	-0.14	-1.13e-04	0.0	6.27e-06
2104	305	-0.26	0.34	-0.14	-1.07e-04	0.0	7.54e-06
2104	307	-0.14	0.46	-0.14	-1.25e-04	0.0	5.03e-06
2104	310	-0.15	0.34	-0.14	-1.07e-04	0.0	6.03e-06
2105	28	-0.30	0.22	0.26	-2.01e-04	0.0	1.49e-05
2105	43	-0.49	0.19	0.21	-1.61e-04	0.0	1.71e-05
2105	68	-0.01	1.46	0.20	-1.19e-03	0.0	-5.95e-05
2105	116	-5.75	-2.94	0.36	7.19e-04	0.0	-2.02e-04
2105	137	2.50	6.30	9.03e-03	-1.79e-03	0.0	1.45e-04
2105	148	-6.46	-3.33	0.39	8.26e-04	0.0	-2.28e-04
2105	169	2.82	7.12	-4.96e-03	-2.01e-03	0.0	1.63e-04
2105	180	-6.40	-3.42	0.39	8.50e-04	0.0	-2.27e-04
2105	201	2.81	7.29	-4.98e-03	-2.06e-03	0.0	1.63e-04
2105	212	-7.49	-4.11	0.44	1.04e-03	0.0	-2.70e-04
2105	233	3.31	8.65	-0.03	-2.43e-03	0.0	1.92e-04
2105	256	-0.20	0.15	0.18	-1.39e-04	0.0	1.02e-05
2105	263	-0.33	0.13	0.15	-1.13e-04	0.0	1.16e-05
2105	276	-7.83e-03	0.98	0.14	-8.00e-04	0.0	-3.94e-05
2105	298	-0.01	0.11	0.13	-1.12e-04	0.0	4.94e-06
2105	305	-0.07	0.11	0.12	-1.05e-04	0.0	5.98e-06
2105	307	-0.01	0.28	0.12	-2.41e-04	0.0	-4.29e-06
2105	310	-0.01	0.11	0.12	-1.05e-04	0.0	4.64e-06
2106	1	0.0	0.0	0.0	0.0	1.92e-04	-1.19e-05
2106	113	0.0	0.0	0.0	0.0	1.09e-03	-1.02e-06
2106	145	0.0	0.0	0.0	0.0	1.23e-03	-1.12e-06
2106	177	0.0	0.0	0.0	0.0	1.20e-03	-1.03e-06
2106	209	0.0	0.0	0.0	0.0	1.41e-03	-1.17e-06
2106	241	0.0	0.0	0.0	0.0	1.28e-04	-7.94e-06
2106	297	0.0	0.0	0.0	0.0	-9.25e-06	0.0
2106	309	0.0	0.0	0.0	0.0	-9.25e-06	0.0
2107	44	-0.30	0.04	-0.01	0.0	-4.69e-04	2.14e-04
2107	68	-0.01	0.10	-0.02	0.0	-2.40e-05	-2.13e-06
2107	123	-0.71	0.27	-8.97e-03	0.0	-1.41e-03	2.63e-05
2107	129	0.07	0.79	-0.05	0.0	1.33e-04	1.27e-05
2107	155	-0.79	0.30	-8.94e-03	0.0	-1.58e-03	2.97e-05
2107	161	0.07	0.90	-0.06	0.0	1.51e-04	1.44e-05
2107	187	-0.78	0.31	-9.63e-03	0.0	-1.55e-03	2.91e-05
2107	193	0.07	0.93	-0.06	0.0	1.49e-04	1.46e-05
2107	219	-0.90	0.37	-0.01	0.0	-1.80e-03	3.42e-05
2107	225	0.09	1.12	-0.07	0.0	1.77e-04	1.76e-05
2107	264	-0.20	0.03	-0.01	0.0	-3.14e-04	1.43e-04
2107	276	-9.04e-03	0.07	-0.01	0.0	-1.68e-05	-1.47e-06
2107	305	-0.05	0.02	-9.87e-03	0.0	-7.44e-05	2.79e-05
2107	307	-8.02e-03	0.03	-0.01	0.0	-1.51e-05	0.0
2107	310	-7.97e-03	0.02	-9.98e-03	0.0	-1.50e-05	0.0
2108	1	0.0	0.0	0.0	0.0	1.32e-04	-1.26e-05
2108	113	0.0	0.0	0.0	0.0	1.10e-03	0.0
2108	145	0.0	0.0	0.0	0.0	1.23e-03	-1.07e-06
2108	177	0.0	0.0	0.0	0.0	1.21e-03	0.0
2108	209	0.0	0.0	0.0	0.0	1.41e-03	-1.10e-06
2108	241	0.0	0.0	0.0	0.0	8.72e-05	-8.41e-06
2108	297	0.0	0.0	0.0	0.0	-9.85e-06	0.0
2108	309	0.0	0.0	0.0	0.0	-9.85e-06	0.0
2109	44	-0.53	0.08	-0.03	0.0	-3.71e-04	3.68e-04
2109	52	-0.03	0.16	-0.04	0.0	-2.57e-05	-3.77e-06
2109	68	-0.03	0.21	-0.04	0.0	-2.18e-05	-3.82e-06
2109	123	-1.41	0.55	-0.02	0.0	-1.40e-03	4.62e-05
2109	129	0.13	1.62	-0.11	0.0	1.34e-04	2.65e-05
2109	155	-1.58	0.62	-0.02	0.0	-1.58e-03	5.21e-05
2109	161	0.15	1.83	-0.12	0.0	1.53e-04	3.01e-05
2109	187	-1.56	0.63	-0.02	0.0	-1.55e-03	5.12e-05
2109	193	0.15	1.90	-0.13	0.0	1.51e-04	3.06e-05

2109	219	-1.81	0.75	-0.02	0.0	-1.80e-03	6.02e-05
2109	225	0.18	2.29	-0.15	0.0	1.79e-04	3.70e-05
2109	264	-0.35	0.05	-0.02	0.0	-2.48e-04	2.45e-04
2109	268	-0.02	0.11	-0.03	0.0	-1.78e-05	-2.60e-06
2109	276	-0.02	0.14	-0.03	0.0	-1.52e-05	-2.63e-06
2109	305	-0.08	0.04	-0.02	0.0	-6.04e-05	4.77e-05
2109	307	-0.02	0.06	-0.02	0.0	-1.39e-05	-1.78e-06
2109	310	-0.02	0.04	-0.02	0.0	-1.40e-05	-1.62e-06
2110	44	-0.69	0.12	-0.04	0.0	-2.46e-04	4.48e-04
2110	52	-0.04	0.23	-0.06	0.0	-2.22e-05	-5.59e-06
2110	68	-0.04	0.31	-0.06	0.0	-1.85e-05	-5.57e-06
2110	123	-2.11	0.83	-0.03	0.0	-1.40e-03	5.53e-05
2110	129	0.20	2.48	-0.17	0.0	1.36e-04	3.90e-05
2110	155	-2.37	0.94	-0.03	0.0	-1.57e-03	6.24e-05
2110	161	0.23	2.80	-0.19	0.0	1.54e-04	4.44e-05
2110	187	-2.33	0.97	-0.04	0.0	-1.54e-03	6.14e-05
2110	193	0.22	2.90	-0.20	0.0	1.52e-04	4.53e-05
2110	219	-2.71	1.15	-0.04	0.0	-1.79e-03	7.25e-05
2110	225	0.27	3.49	-0.23	0.0	1.81e-04	5.50e-05
2110	264	-0.46	0.08	-0.03	0.0	-1.65e-04	2.98e-04
2110	268	-0.03	0.16	-0.04	0.0	-1.54e-05	-3.85e-06
2110	276	-0.02	0.21	-0.04	0.0	-1.29e-05	-3.84e-06
2110	305	-0.11	0.06	-0.03	0.0	-4.25e-05	5.78e-05
2110	307	-0.02	0.08	-0.03	0.0	-1.22e-05	-2.68e-06
2110	310	-0.02	0.05	-0.03	0.0	-1.23e-05	-2.46e-06
2111	44	-0.43	0.04	-0.02	0.0	-6.41e-04	2.60e-04
2111	68	-0.01	0.10	-0.04	0.0	-2.20e-05	-2.22e-06
2111	123	-0.72	0.27	-0.06	0.0	-1.42e-03	2.63e-05
2111	129	0.06	0.79	-0.19	0.0	1.26e-04	1.24e-05
2111	155	-0.81	0.30	-0.06	0.0	-1.60e-03	2.97e-05
2111	161	0.07	0.89	-0.22	0.0	1.44e-04	1.41e-05
2111	187	-0.79	0.31	-0.06	0.0	-1.57e-03	2.91e-05
2111	193	0.07	0.93	-0.22	0.0	1.42e-04	1.42e-05
2111	219	-0.92	0.37	-0.08	0.0	-1.82e-03	3.42e-05
2111	225	0.08	1.11	-0.27	0.0	1.69e-04	1.72e-05
2111	264	-0.29	0.03	-0.01	0.0	-4.28e-04	1.73e-04
2111	276	-8.14e-03	0.07	-0.03	0.0	-1.53e-05	-1.53e-06
2111	305	-0.06	0.02	-0.01	0.0	-9.66e-05	3.39e-05
2111	307	-7.41e-03	0.03	-0.01	0.0	-1.41e-05	-1.04e-06
2111	310	-7.42e-03	0.02	-0.01	0.0	-1.41e-05	0.0
2112	44	-0.76	0.08	-0.03	0.0	-4.84e-04	4.24e-04
2112	68	-0.02	0.20	-0.06	0.0	-1.99e-05	-4.18e-06
2112	123	-1.43	0.55	-0.10	0.0	-1.41e-03	4.74e-05
2112	129	0.12	1.62	-0.34	0.0	1.28e-04	2.56e-05
2112	155	-1.61	0.61	-0.11	0.0	-1.59e-03	5.35e-05
2112	161	0.14	1.83	-0.38	0.0	1.45e-04	2.91e-05
2112	187	-1.58	0.63	-0.11	0.0	-1.56e-03	5.24e-05
2112	193	0.14	1.90	-0.40	0.0	1.43e-04	2.95e-05
2112	219	-1.83	0.75	-0.13	0.0	-1.81e-03	6.17e-05
2112	225	0.17	2.28	-0.47	0.0	1.70e-04	3.57e-05
2112	264	-0.51	0.05	-0.02	0.0	-3.23e-04	2.83e-04
2112	276	-0.02	0.14	-0.04	0.0	-1.39e-05	-2.88e-06
2112	305	-0.11	0.04	-0.02	0.0	-7.48e-05	5.52e-05
2112	307	-0.01	0.06	-0.02	0.0	-1.30e-05	-1.98e-06
2112	310	-0.01	0.04	-0.02	0.0	-1.31e-05	-1.81e-06
2113	44	-0.97	0.12	-0.05	0.0	-2.82e-04	5.10e-04
2113	68	-0.03	0.31	-0.09	0.0	-1.68e-05	-6.15e-06
2113	123	-2.13	0.83	-0.13	0.0	-1.40e-03	5.74e-05
2113	129	0.19	2.48	-0.45	0.0	1.29e-04	3.78e-05
2113	155	-2.40	0.94	-0.15	0.0	-1.57e-03	6.48e-05
2113	161	0.21	2.80	-0.51	0.0	1.47e-04	4.30e-05
2113	187	-2.36	0.97	-0.15	0.0	-1.54e-03	6.36e-05
2113	193	0.21	2.90	-0.52	0.0	1.45e-04	4.38e-05
2113	219	-2.74	1.15	-0.18	0.0	-1.79e-03	7.52e-05
2113	225	0.25	3.49	-0.63	0.0	1.72e-04	5.32e-05
2113	264	-0.65	0.08	-0.03	0.0	-1.89e-04	3.40e-04
2113	276	-0.02	0.21	-0.06	0.0	-1.17e-05	-4.24e-06
2113	305	-0.15	0.06	-0.03	0.0	-4.67e-05	6.58e-05
2113	307	-0.02	0.08	-0.03	0.0	-1.13e-05	-3.00e-06
2113	310	-0.02	0.05	-0.03	0.0	-1.15e-05	-2.77e-06
2114	44	-0.78	0.15	-0.06	0.0	-1.15e-04	4.42e-04
2114	52	-0.05	0.31	-0.08	0.0	-1.79e-05	-7.71e-06
2114	68	-0.04	0.41	-0.08	0.0	-1.45e-05	-7.54e-06
2114	123	-2.81	1.12	-0.05	0.0	-1.39e-03	5.63e-05
2114	129	0.27	3.35	-0.24	0.0	1.38e-04	5.06e-05

2114	155	-3.15	1.26	-0.05	0.0	-1.56e-03	6.37e-05
2114	161	0.31	3.78	-0.27	0.0	1.56e-04	5.77e-05
2114	187	-3.10	1.30	-0.05	0.0	-1.53e-03	6.29e-05
2114	193	0.30	3.92	-0.27	0.0	1.54e-04	5.92e-05
2114	219	-3.60	1.55	-0.06	0.0	-1.78e-03	7.47e-05
2114	225	0.36	4.71	-0.32	0.0	1.82e-04	7.22e-05
2114	264	-0.52	0.10	-0.04	0.0	-7.71e-05	2.95e-04
2114	268	-0.04	0.21	-0.06	0.0	-1.24e-05	-5.33e-06
2114	276	-0.03	0.28	-0.05	0.0	-1.01e-05	-5.22e-06
2114	305	-0.13	0.07	-0.04	0.0	-2.35e-05	5.62e-05
2114	307	-0.03	0.11	-0.04	0.0	-1.01e-05	-3.78e-06
2114	310	-0.03	0.06	-0.04	0.0	-1.03e-05	-3.53e-06
2115	44	-0.80	0.18	-0.08	0.0	7.32e-06	3.53e-04
2115	52	-0.06	0.38	-0.10	0.0	-1.34e-05	-9.39e-06
2115	68	-0.05	0.51	-0.10	0.0	-1.02e-05	-9.09e-06
2115	123	-3.50	1.41	-0.06	0.0	-1.37e-03	5.17e-05
2115	129	0.34	4.22	-0.31	0.0	1.39e-04	1.17e-04
2115	155	-3.93	1.59	-0.07	0.0	-1.54e-03	5.88e-05
2115	161	0.38	4.77	-0.35	0.0	1.57e-04	1.33e-04
2115	187	-3.86	1.64	-0.07	0.0	-1.52e-03	5.85e-05
2115	193	0.38	4.95	-0.36	0.0	1.54e-04	1.34e-04
2115	219	-4.49	1.95	-0.08	0.0	-1.76e-03	7.00e-05
2115	225	0.45	5.95	-0.42	0.0	1.82e-04	1.61e-04
2115	264	-0.53	0.12	-0.05	0.0	4.50e-06	2.35e-04
2115	268	-0.04	0.26	-0.07	0.0	-9.31e-06	-6.51e-06
2115	276	-0.03	0.34	-0.07	0.0	-7.21e-06	-6.31e-06
2115	305	-0.13	0.08	-0.05	0.0	-5.46e-06	4.36e-05
2115	307	-0.03	0.13	-0.05	0.0	-7.80e-06	-4.68e-06
2115	310	-0.03	0.08	-0.05	0.0	-8.14e-06	-4.42e-06
2116	44	-1.06	0.15	-0.05	0.0	-6.94e-05	5.04e-04
2116	68	-0.04	0.41	-0.10	0.0	-1.32e-05	-8.11e-06
2116	123	-2.83	1.12	-0.15	0.0	-1.38e-03	5.83e-05
2116	129	0.25	3.35	-0.52	0.0	1.31e-04	4.93e-05
2116	155	-3.18	1.26	-0.17	0.0	-1.55e-03	6.60e-05
2116	161	0.29	3.78	-0.59	0.0	1.48e-04	5.62e-05
2116	187	-3.12	1.30	-0.18	0.0	-1.52e-03	6.50e-05
2116	193	0.29	3.92	-0.61	0.0	1.46e-04	5.77e-05
2116	219	-3.63	1.55	-0.21	0.0	-1.77e-03	7.73e-05
2116	225	0.34	4.71	-0.73	0.0	1.73e-04	7.03e-05
2116	264	-0.71	0.10	-0.04	0.0	-4.67e-05	3.36e-04
2116	276	-0.03	0.28	-0.07	0.0	-9.29e-06	-5.61e-06
2116	305	-0.16	0.07	-0.03	0.0	-1.69e-05	6.42e-05
2116	307	-0.03	0.11	-0.04	0.0	-9.40e-06	-4.08e-06
2116	310	-0.03	0.06	-0.03	0.0	-9.66e-06	-3.82e-06
2117	44	-1.02	0.18	-0.06	0.0	1.28e-04	4.08e-04
2117	68	-0.04	0.51	-0.11	0.0	-1.02e-05	-9.34e-06
2117	123	-3.51	1.41	-0.17	0.0	-1.36e-03	5.33e-05
2117	129	0.32	4.22	-0.57	0.0	1.32e-04	1.16e-04
2117	155	-3.95	1.59	-0.18	0.0	-1.53e-03	6.05e-05
2117	161	0.36	4.77	-0.64	0.0	1.49e-04	1.31e-04
2117	187	-3.88	1.64	-0.19	0.0	-1.50e-03	6.01e-05
2117	193	0.36	4.95	-0.66	0.0	1.47e-04	1.32e-04
2117	219	-4.50	1.95	-0.22	0.0	-1.75e-03	7.19e-05
2117	225	0.43	5.95	-0.79	0.0	1.74e-04	1.59e-04
2117	264	-0.68	0.12	-0.05	0.0	8.48e-05	2.71e-04
2117	276	-0.03	0.34	-0.08	0.0	-7.16e-06	-6.47e-06
2117	305	-0.16	0.08	-0.04	0.0	1.06e-05	5.08e-05
2117	307	-0.03	0.13	-0.05	0.0	-7.77e-06	-4.80e-06
2117	310	-0.03	0.07	-0.04	0.0	-8.10e-06	-4.52e-06
2118	44	-0.75	0.20	-0.10	0.0	9.80e-05	2.14e-04
2118	52	-0.06	0.43	-0.14	0.0	-9.93e-06	-9.14e-06
2118	68	-0.05	0.59	-0.14	0.0	-7.01e-06	-8.88e-06
2118	123	-4.11	1.67	-0.09	0.0	-1.36e-03	4.67e-05
2118	129	0.40	5.01	-0.39	0.0	1.39e-04	1.46e-04
2118	155	-4.62	1.88	-0.09	0.0	-1.53e-03	5.32e-05
2118	161	0.46	5.66	-0.43	0.0	1.57e-04	1.65e-04
2118	187	-4.54	1.94	-0.10	0.0	-1.50e-03	5.33e-05
2118	193	0.45	5.87	-0.44	0.0	1.54e-04	1.67e-04
2118	219	-5.27	2.31	-0.10	0.0	-1.75e-03	6.41e-05
2118	225	0.53	7.06	-0.52	0.0	1.82e-04	2.00e-04
2118	264	-0.50	0.14	-0.07	0.0	6.50e-05	1.43e-04
2118	268	-0.04	0.29	-0.10	0.0	-6.91e-06	-6.33e-06
2118	276	-0.04	0.40	-0.10	0.0	-4.96e-06	-6.16e-06
2118	305	-0.13	0.09	-0.07	0.0	7.96e-06	2.52e-05
2118	307	-0.04	0.14	-0.07	0.0	-6.04e-06	-4.56e-06

2118	310	-0.04	0.08	-0.07	0.0	-6.45e-06	-4.31e-06
2119	44	-0.64	0.22	-0.14	0.0	-2.26e-04	-5.38e-06
2119	52	-0.07	0.49	-0.20	0.0	-8.40e-05	-5.99e-06
2119	68	-0.05	0.68	-0.19	0.0	-7.19e-05	-6.16e-06
2119	123	-4.72	1.92	-0.13	0.0	-1.26e-03	5.35e-05
2119	129	0.47	5.78	-0.48	0.0	8.12e-05	1.78e-04
2119	155	-5.30	2.17	-0.13	0.0	-1.41e-03	6.07e-05
2119	161	0.53	6.54	-0.53	0.0	9.69e-05	2.01e-04
2119	187	-5.21	2.23	-0.14	0.0	-1.39e-03	6.09e-05
2119	193	0.52	6.78	-0.55	0.0	9.53e-05	2.04e-04
2119	219	-6.05	2.66	-0.15	0.0	-1.61e-03	7.30e-05
2119	225	0.62	8.15	-0.64	0.0	1.20e-04	2.43e-04
2119	264	-0.43	0.15	-0.10	0.0	-1.53e-04	-3.76e-06
2119	268	-0.05	0.33	-0.14	0.0	-5.85e-05	-4.16e-06
2119	276	-0.04	0.46	-0.13	0.0	-5.04e-05	-4.28e-06
2119	305	-0.11	0.10	-0.10	0.0	-6.66e-05	-2.82e-06
2119	307	-0.04	0.16	-0.10	0.0	-4.61e-05	-2.92e-06
2119	310	-0.04	0.09	-0.10	0.0	-4.63e-05	-2.70e-06
2120	44	-0.88	0.20	-0.08	0.0	2.71e-04	2.52e-04
2120	68	-0.05	0.59	-0.13	0.0	-8.30e-06	-8.93e-06
2120	123	-4.12	1.67	-0.17	0.0	-1.35e-03	4.73e-05
2120	129	0.38	5.01	-0.57	0.0	1.32e-04	1.45e-04
2120	155	-4.63	1.88	-0.19	0.0	-1.52e-03	5.38e-05
2120	161	0.43	5.66	-0.64	0.0	1.49e-04	1.64e-04
2120	187	-4.55	1.94	-0.20	0.0	-1.49e-03	5.39e-05
2120	193	0.43	5.87	-0.67	0.0	1.47e-04	1.66e-04
2120	219	-5.28	2.31	-0.23	0.0	-1.73e-03	6.49e-05
2120	225	0.50	7.06	-0.79	0.0	1.74e-04	1.99e-04
2120	264	-0.59	0.14	-0.06	0.0	1.80e-04	1.68e-04
2120	276	-0.03	0.40	-0.09	0.0	-5.86e-06	-6.20e-06
2120	305	-0.14	0.09	-0.05	0.0	3.04e-05	3.03e-05
2120	307	-0.03	0.14	-0.06	0.0	-6.79e-06	-4.57e-06
2120	310	-0.03	0.08	-0.05	0.0	-7.17e-06	-4.31e-06
2121	44	-0.64	0.22	-0.10	0.0	-4.96e-04	6.23e-06
2121	68	-0.05	0.68	-0.16	0.0	-7.59e-05	-6.49e-06
2121	123	-4.72	1.92	-0.18	0.0	-1.38e-03	2.76e-05
2121	129	0.44	5.79	-0.56	0.0	7.33e-05	1.76e-04
2121	155	-5.30	2.17	-0.20	0.0	-1.55e-03	3.17e-05
2121	161	0.50	6.54	-0.62	0.0	8.84e-05	1.99e-04
2121	187	-5.21	2.23	-0.20	0.0	-1.52e-03	3.40e-05
2121	193	0.49	6.79	-0.64	0.0	8.80e-05	2.02e-04
2121	219	-6.05	2.66	-0.23	0.0	-1.76e-03	4.21e-05
2121	225	0.58	8.16	-0.76	0.0	1.12e-04	2.42e-04
2121	264	-0.43	0.15	-0.07	0.0	-3.33e-04	3.98e-06
2121	276	-0.04	0.46	-0.11	0.0	-5.32e-05	-4.50e-06
2121	305	-0.11	0.10	-0.07	0.0	-1.05e-04	-1.46e-06
2121	307	-0.04	0.16	-0.08	0.0	-4.85e-05	-3.16e-06
2121	310	-0.04	0.09	-0.07	0.0	-4.87e-05	-2.94e-06
2122	44	-0.77	0.26	-0.22	0.0	-2.08e-04	-5.04e-05
2122	52	-0.11	0.56	-0.31	0.0	-7.83e-05	0.0
2122	68	-0.09	0.75	-0.28	0.0	-6.66e-05	0.0
2122	123	-5.36	2.08	-0.04	0.0	-1.20e-03	1.03e-04
2122	129	0.53	6.25	-0.44	0.0	8.59e-05	2.11e-04
2122	155	-6.02	2.34	-0.03	0.0	-1.34e-03	1.16e-04
2122	161	0.60	7.06	-0.48	0.0	1.02e-04	2.38e-04
2122	187	-5.92	2.42	-0.04	0.0	-1.32e-03	1.16e-04
2122	193	0.59	7.33	-0.49	0.0	9.88e-05	2.41e-04
2122	219	-6.87	2.88	-0.02	0.0	-1.53e-03	1.37e-04
2122	225	0.70	8.81	-0.55	0.0	1.22e-04	2.88e-04
2122	264	-0.51	0.18	-0.16	0.0	-1.41e-04	-3.36e-05
2122	268	-0.08	0.38	-0.21	0.0	-5.45e-05	0.0
2122	276	-0.07	0.51	-0.20	0.0	-4.67e-05	0.0
2122	298	-0.07	0.12	-0.17	0.0	-4.59e-05	0.0
2122	305	-0.15	0.12	-0.16	0.0	-6.20e-05	-6.58e-06
2122	307	-0.06	0.19	-0.17	0.0	-4.32e-05	0.0
2122	310	-0.06	0.11	-0.16	0.0	-4.35e-05	0.0
2123	44	-0.87	0.32	-0.25	0.0	-1.90e-04	-7.90e-05
2123	52	-0.15	0.64	-0.34	0.0	-7.67e-05	5.29e-06
2123	68	-0.13	0.85	-0.32	0.0	-6.49e-05	4.28e-06
2123	123	-5.99	2.28	-0.05	0.0	-1.19e-03	1.41e-04
2123	129	0.58	6.81	-0.49	0.0	8.65e-05	2.47e-04
2123	155	-6.72	2.56	-0.04	0.0	-1.33e-03	1.59e-04
2123	161	0.66	7.70	-0.53	0.0	1.02e-04	2.79e-04
2123	187	-6.62	2.64	-0.04	0.0	-1.31e-03	1.58e-04
2123	193	0.64	7.99	-0.54	0.0	9.92e-05	2.83e-04

2123	219	-7.68	3.14	-0.03	0.0	-1.52e-03	1.86e-04
2123	225	0.76	9.60	-0.61	0.0	1.23e-04	3.37e-04
2123	264	-0.58	0.22	-0.18	0.0	-1.29e-04	-5.25e-05
2123	268	-0.11	0.43	-0.24	0.0	-5.34e-05	3.69e-06
2123	276	-0.09	0.57	-0.22	0.0	-4.55e-05	3.02e-06
2123	298	-0.09	0.15	-0.19	0.0	-4.50e-05	3.07e-06
2123	305	-0.18	0.15	-0.18	0.0	-5.89e-05	-8.28e-06
2123	307	-0.08	0.22	-0.18	0.0	-4.23e-05	2.83e-06
2123	310	-0.09	0.14	-0.18	0.0	-4.26e-05	2.88e-06
2124	44	-0.96	0.44	-0.27	0.0	-1.78e-04	-1.57e-04
2124	52	-0.19	0.83	-0.37	0.0	-7.65e-05	8.53e-06
2124	68	-0.16	1.05	-0.34	0.0	-6.45e-05	7.31e-06
2124	123	-6.62	2.67	-0.06	0.0	-1.18e-03	1.30e-04
2124	129	0.62	7.92	-0.51	0.0	8.61e-05	2.81e-04
2124	155	-7.43	2.99	-0.04	0.0	-1.32e-03	1.46e-04
2124	161	0.71	8.95	-0.55	0.0	1.02e-04	3.17e-04
2124	187	-7.31	3.08	-0.05	0.0	-1.30e-03	1.46e-04
2124	193	0.70	9.28	-0.56	0.0	9.86e-05	3.22e-04
2124	219	-8.48	3.66	-0.03	0.0	-1.51e-03	1.72e-04
2124	225	0.83	11.14	-0.63	0.0	1.22e-04	3.84e-04
2124	264	-0.65	0.30	-0.19	0.0	-1.21e-04	-1.04e-04
2124	268	-0.13	0.56	-0.26	0.0	-5.32e-05	5.96e-06
2124	276	-0.11	0.71	-0.24	0.0	-4.52e-05	5.15e-06
2124	298	-0.11	0.23	-0.20	0.0	-4.50e-05	4.77e-06
2124	305	-0.21	0.23	-0.19	0.0	-5.73e-05	-1.74e-05
2124	307	-0.11	0.31	-0.20	0.0	-4.22e-05	4.50e-06
2124	310	-0.11	0.21	-0.19	0.0	-4.26e-05	4.50e-06
2125	44	-1.05	0.56	-0.29	0.0	-1.72e-04	-1.71e-04
2125	52	-0.23	1.02	-0.38	0.0	-7.68e-05	9.30e-06
2125	68	-0.20	1.25	-0.36	0.0	-6.45e-05	8.00e-06
2125	123	-7.21	3.04	-0.06	0.0	-1.18e-03	1.16e-04
2125	129	0.66	8.99	-0.53	0.0	8.49e-05	3.07e-04
2125	155	-8.09	3.40	-0.05	0.0	-1.32e-03	1.30e-04
2125	161	0.76	10.15	-0.57	0.0	1.00e-04	3.47e-04
2125	187	-7.96	3.51	-0.05	0.0	-1.29e-03	1.31e-04
2125	193	0.74	10.53	-0.59	0.0	9.71e-05	3.52e-04
2125	219	-9.23	4.16	-0.03	0.0	-1.50e-03	1.54e-04
2125	225	0.89	12.63	-0.66	0.0	1.20e-04	4.20e-04
2125	264	-0.71	0.39	-0.20	0.0	-1.17e-04	-1.14e-04
2125	268	-0.16	0.69	-0.27	0.0	-5.34e-05	6.50e-06
2125	276	-0.14	0.85	-0.25	0.0	-4.52e-05	5.63e-06
2125	298	-0.14	0.30	-0.21	0.0	-4.52e-05	5.18e-06
2125	305	-0.24	0.30	-0.20	0.0	-5.68e-05	-1.90e-05
2125	307	-0.13	0.39	-0.21	0.0	-4.24e-05	4.89e-06
2125	310	-0.13	0.28	-0.20	0.0	-4.28e-05	4.88e-06
2126	44	-1.14	0.68	-0.30	0.0	-1.67e-04	-1.35e-04
2126	52	-0.27	1.20	-0.40	0.0	-7.64e-05	8.41e-06
2126	68	-0.23	1.45	-0.37	0.0	-6.40e-05	7.07e-06
2126	123	-7.80	3.41	-0.07	0.0	-1.17e-03	1.07e-04
2126	129	0.71	10.08	-0.55	0.0	8.31e-05	3.26e-04
2126	155	-8.74	3.82	-0.05	0.0	-1.31e-03	1.20e-04
2126	161	0.81	11.38	-0.60	0.0	9.82e-05	3.68e-04
2126	187	-8.61	3.94	-0.06	0.0	-1.28e-03	1.21e-04
2126	193	0.79	11.80	-0.61	0.0	9.48e-05	3.74e-04
2126	219	-9.98	4.66	-0.04	0.0	-1.49e-03	1.43e-04
2126	225	0.95	14.15	-0.69	0.0	1.17e-04	4.46e-04
2126	264	-0.76	0.47	-0.21	0.0	-1.14e-04	-8.98e-05
2126	268	-0.19	0.82	-0.28	0.0	-5.31e-05	5.87e-06
2126	276	-0.16	0.98	-0.26	0.0	-4.48e-05	4.98e-06
2126	298	-0.16	0.38	-0.22	0.0	-4.51e-05	4.73e-06
2126	305	-0.27	0.37	-0.21	0.0	-5.60e-05	-1.45e-05
2126	307	-0.15	0.47	-0.22	0.0	-4.22e-05	4.42e-06
2126	310	-0.15	0.36	-0.21	0.0	-4.27e-05	4.43e-06
2127	44	-1.22	0.80	-0.32	0.0	-1.57e-04	-6.76e-05
2127	52	-0.31	1.38	-0.42	0.0	-7.50e-05	6.48e-06
2127	68	-0.26	1.65	-0.39	0.0	-6.26e-05	5.11e-06
2127	123	-8.37	3.05	-0.08	0.0	-1.05e-03	1.03e-04
2127	129	0.75	11.19	-0.57	0.0	4.15e-04	3.39e-04
2127	155	-9.39	3.41	-0.06	0.0	-1.18e-03	1.16e-04
2127	161	0.86	12.62	-0.62	0.0	4.72e-04	3.83e-04
2127	187	-9.25	3.54	-0.07	0.0	-1.16e-03	1.17e-04
2127	193	0.84	13.09	-0.63	0.0	4.64e-04	3.89e-04
2127	219	-10.72	4.19	-0.05	0.0	-1.34e-03	1.39e-04
2127	225	1.01	15.69	-0.72	0.0	5.49e-04	4.64e-04
2127	264	-0.82	0.56	-0.23	0.0	-1.07e-04	-4.49e-05

2127	268	-0.21	0.94	-0.30	0.0	-5.21e-05	4.52e-06
2127	276	-0.18	1.12	-0.28	0.0	-4.38e-05	3.61e-06
2127	298	-0.18	0.45	-0.23	0.0	-4.44e-05	3.76e-06
2127	305	-0.30	0.44	-0.22	0.0	-5.41e-05	-6.27e-06
2127	307	-0.17	0.55	-0.23	0.0	-4.15e-05	3.43e-06
2127	310	-0.17	0.43	-0.22	0.0	-4.20e-05	3.50e-06
2128	44	-1.28	0.90	-0.35	0.0	-1.84e-04	-1.28e-05
2128	52	-0.35	1.54	-0.46	0.0	-1.25e-04	7.36e-06
2128	68	-0.29	1.81	-0.42	0.0	-1.09e-04	5.65e-06
2128	123	-8.94	3.31	-0.10	0.0	-5.77e-04	6.43e-05
2128	129	0.79	12.04	-0.59	0.0	-6.70e-06	3.53e-04
2128	155	-10.03	3.69	-0.08	0.0	-6.40e-04	7.24e-05
2128	161	0.91	13.58	-0.64	0.0	0.0	3.98e-04
2128	187	-9.87	3.83	-0.09	0.0	-6.30e-04	7.58e-05
2128	193	0.89	14.08	-0.65	0.0	0.0	4.04e-04
2128	219	-11.45	4.54	-0.06	0.0	-7.21e-04	9.14e-05
2128	225	1.07	16.87	-0.74	0.0	1.12e-05	4.82e-04
2128	264	-0.87	0.63	-0.25	0.0	-1.26e-04	-8.26e-06
2128	268	-0.24	1.05	-0.32	0.0	-8.73e-05	5.15e-06
2128	276	-0.20	1.23	-0.30	0.0	-7.66e-05	4.01e-06
2128	298	-0.20	0.51	-0.26	0.0	-7.13e-05	4.41e-06
2128	305	-0.32	0.50	-0.24	0.0	-7.77e-05	1.54e-06
2128	307	-0.19	0.62	-0.25	0.0	-6.77e-05	3.99e-06
2128	310	-0.19	0.48	-0.24	0.0	-6.78e-05	4.10e-06
2129	44	-0.78	0.25	-0.22	0.0	-2.12e-04	5.34e-05
2129	52	-0.11	0.54	-0.29	0.0	-8.26e-05	0.0
2129	68	-0.09	0.74	-0.29	0.0	-7.05e-05	-1.58e-06
2129	123	-5.40	2.08	-0.19	0.0	-1.25e-03	1.17e-04
2129	129	0.51	6.25	-0.64	0.0	8.15e-05	2.09e-04
2129	155	-6.06	2.34	-0.19	0.0	-1.40e-03	1.31e-04
2129	161	0.58	7.07	-0.71	0.0	9.70e-05	2.36e-04
2129	187	-5.96	2.41	-0.20	0.0	-1.37e-03	1.31e-04
2129	193	0.57	7.33	-0.73	0.0	9.54e-05	2.39e-04
2129	219	-6.92	2.87	-0.22	0.0	-1.59e-03	1.54e-04
2129	225	0.68	8.81	-0.85	0.0	1.20e-04	2.86e-04
2129	264	-0.52	0.17	-0.15	0.0	-1.44e-04	3.56e-05
2129	268	-0.08	0.37	-0.21	0.0	-5.75e-05	0.0
2129	276	-0.07	0.50	-0.20	0.0	-4.94e-05	-1.09e-06
2129	305	-0.15	0.12	-0.15	0.0	-6.42e-05	6.92e-06
2129	307	-0.06	0.18	-0.15	0.0	-4.53e-05	0.0
2129	310	-0.06	0.10	-0.15	0.0	-4.56e-05	0.0
2130	44	-0.91	0.29	-0.26	0.0	-1.76e-04	2.71e-04
2130	52	-0.16	0.60	-0.35	0.0	-8.07e-05	3.11e-06
2130	68	-0.13	0.80	-0.34	0.0	-6.86e-05	1.95e-06
2130	123	-6.07	2.23	-0.23	0.0	-1.20e-03	2.16e-04
2130	129	0.55	6.67	-0.77	0.0	8.10e-05	1.61e-04
2130	155	-6.81	2.51	-0.23	0.0	-1.35e-03	2.43e-04
2130	161	0.63	7.54	-0.85	0.0	9.64e-05	1.82e-04
2130	187	-6.70	2.58	-0.24	0.0	-1.32e-03	2.40e-04
2130	193	0.62	7.82	-0.88	0.0	9.45e-05	1.87e-04
2130	219	-7.77	3.08	-0.26	0.0	-1.53e-03	2.81e-04
2130	225	0.74	9.40	-1.02	0.0	1.18e-04	2.25e-04
2130	264	-0.61	0.20	-0.19	0.0	-1.20e-04	1.81e-04
2130	268	-0.11	0.40	-0.25	0.0	-5.62e-05	2.16e-06
2130	276	-0.09	0.54	-0.24	0.0	-4.81e-05	1.39e-06
2130	305	-0.19	0.13	-0.17	0.0	-5.87e-05	3.77e-05
2130	307	-0.09	0.20	-0.19	0.0	-4.44e-05	1.79e-06
2130	310	-0.09	0.12	-0.18	0.0	-4.47e-05	1.93e-06
2131	44	-0.94	0.44	-0.31	0.0	-1.52e-04	-1.27e-05
2131	52	-0.20	0.83	-0.43	0.0	-7.85e-05	8.26e-06
2131	68	-0.17	1.05	-0.41	0.0	-6.63e-05	6.98e-06
2131	123	-6.67	2.67	-0.28	0.0	-1.17e-03	1.54e-04
2131	129	0.59	7.94	-0.96	0.0	8.11e-05	2.79e-04
2131	155	-7.49	3.00	-0.29	0.0	-1.30e-03	1.73e-04
2131	161	0.68	8.97	-1.06	0.0	9.64e-05	3.14e-04
2131	187	-7.37	3.09	-0.30	0.0	-1.28e-03	1.72e-04
2131	193	0.67	9.31	-1.09	0.0	9.42e-05	3.19e-04
2131	219	-8.55	3.67	-0.32	0.0	-1.48e-03	2.02e-04
2131	225	0.80	11.17	-1.27	0.0	1.17e-04	3.80e-04
2131	264	-0.64	0.30	-0.22	0.0	-1.04e-04	-8.24e-06
2131	268	-0.14	0.56	-0.30	0.0	-5.46e-05	5.76e-06
2131	276	-0.12	0.71	-0.29	0.0	-4.64e-05	4.91e-06
2131	305	-0.21	0.22	-0.21	0.0	-5.46e-05	1.75e-06
2131	307	-0.11	0.30	-0.22	0.0	-4.32e-05	4.38e-06
2131	310	-0.11	0.21	-0.21	0.0	-4.36e-05	4.39e-06

2132	4	-0.11	1.15	-1.09	0.0	-8.75e-05	1.32e-05
2132	44	-1.28	0.88	-0.95	0.0	-1.42e-04	3.18e-05
2132	68	-0.32	2.06	-0.96	0.0	-8.57e-05	1.82e-05
2132	116	-10.52	1.71	-0.57	0.0	-7.71e-04	-3.80e-04
2132	121	9.41	2.99	-0.63	0.0	5.91e-04	1.33e-04
2132	139	-1.56	11.05	-0.60	0.0	-1.33e-04	9.06e-05
2132	148	-11.80	1.83	-0.57	0.0	-8.60e-04	-4.28e-04
2132	153	10.61	3.31	-0.63	0.0	6.72e-04	1.49e-04
2132	171	-1.72	12.42	-0.60	0.0	-1.41e-04	1.02e-04
2132	180	-11.66	1.68	-0.57	0.0	-8.50e-04	-4.28e-04
2132	185	10.48	3.40	-0.63	0.0	6.62e-04	1.51e-04
2132	203	-1.64	12.67	-0.60	0.0	-1.35e-04	1.05e-04
2132	209	13.18	-0.59	-0.63	0.0	8.74e-04	5.25e-04
2132	212	-13.61	1.77	-0.56	0.0	-9.85e-04	-5.06e-04
2132	235	-1.85	14.94	-0.60	0.0	-1.45e-04	1.23e-04
2132	244	-0.09	0.79	-0.76	0.0	-6.14e-05	9.34e-06
2132	264	-0.86	0.61	-0.67	0.0	-9.76e-05	2.17e-05
2132	276	-0.22	1.40	-0.67	0.0	-6.02e-05	1.27e-05
2132	298	-0.23	0.63	-0.63	0.0	-5.84e-05	9.99e-06
2132	305	-0.34	0.58	-0.60	0.0	-6.25e-05	1.16e-05
2132	307	-0.21	0.74	-0.60	0.0	-5.50e-05	9.77e-06
2132	310	-0.22	0.59	-0.60	0.0	-5.57e-05	9.40e-06
2133	4	-0.16	1.26	-1.09	0.0	-8.69e-05	1.54e-05
2133	44	-1.35	0.97	-0.96	0.0	-1.41e-04	3.41e-05
2133	68	-0.36	2.19	-0.97	0.0	-8.51e-05	2.07e-05
2133	116	-10.91	1.79	-0.57	0.0	-6.60e-04	-4.01e-04
2133	121	9.71	3.13	-0.63	0.0	5.01e-04	1.38e-04
2133	139	-1.63	11.43	-0.60	0.0	-1.15e-04	9.73e-05
2133	148	-12.23	1.91	-0.57	0.0	-7.35e-04	-4.53e-04
2133	153	10.95	3.45	-0.63	0.0	5.71e-04	1.55e-04
2133	171	-1.79	12.84	-0.60	0.0	-1.21e-04	1.09e-04
2133	180	-12.09	1.75	-0.57	0.0	-7.27e-04	-4.52e-04
2133	185	10.81	3.55	-0.63	0.0	5.62e-04	1.57e-04
2133	203	-1.71	13.10	-0.60	0.0	-1.15e-04	1.13e-04
2133	209	13.61	-0.55	-0.64	0.0	7.31e-04	5.57e-04
2133	212	-14.10	1.84	-0.57	0.0	-8.42e-04	-5.36e-04
2133	235	-1.92	15.44	-0.60	0.0	-1.22e-04	1.33e-04
2133	244	-0.12	0.87	-0.76	0.0	-6.10e-05	1.09e-05
2133	264	-0.92	0.68	-0.67	0.0	-9.72e-05	2.34e-05
2133	276	-0.25	1.49	-0.68	0.0	-5.98e-05	1.44e-05
2133	298	-0.26	0.69	-0.63	0.0	-5.80e-05	1.13e-05
2133	305	-0.37	0.64	-0.60	0.0	-6.22e-05	1.28e-05
2133	307	-0.24	0.80	-0.60	0.0	-5.47e-05	1.10e-05
2133	310	-0.24	0.65	-0.60	0.0	-5.54e-05	1.06e-05
2134	44	-1.22	0.77	-0.94	0.0	-1.45e-04	2.96e-05
2134	52	-0.33	1.64	-1.08	0.0	-1.04e-04	1.75e-05
2134	68	-0.28	1.91	-0.96	0.0	-8.96e-05	1.60e-05
2134	116	-9.89	1.62	-0.55	0.0	-8.08e-04	-3.63e-04
2134	125	8.77	3.52	-0.64	0.0	6.04e-04	7.25e-05
2134	139	-1.51	10.65	-0.60	0.0	-1.49e-04	8.20e-05
2134	148	-11.09	1.74	-0.54	0.0	-9.01e-04	-4.09e-04
2134	157	9.88	3.92	-0.65	0.0	6.87e-04	8.05e-05
2134	171	-1.67	11.98	-0.60	0.0	-1.60e-04	9.20e-05
2134	180	-10.96	1.59	-0.54	0.0	-8.90e-04	-4.08e-04
2134	189	9.73	4.00	-0.65	0.0	6.75e-04	7.94e-05
2134	203	-1.60	12.22	-0.60	0.0	-1.53e-04	9.46e-05
2134	212	-12.79	1.68	-0.53	0.0	-1.03e-03	-4.83e-04
2134	217	11.73	3.78	-0.66	0.0	8.25e-04	1.68e-04
2134	235	-1.81	14.41	-0.61	0.0	-1.66e-04	1.12e-04
2134	264	-0.82	0.54	-0.66	0.0	-1.00e-04	2.02e-05
2134	268	-0.23	1.11	-0.75	0.0	-7.23e-05	1.22e-05
2134	276	-0.20	1.30	-0.67	0.0	-6.29e-05	1.12e-05
2134	298	-0.20	0.56	-0.62	0.0	-6.03e-05	8.92e-06
2134	305	-0.31	0.51	-0.59	0.0	-6.44e-05	1.05e-05
2134	307	-0.19	0.67	-0.59	0.0	-5.70e-05	8.69e-06
2134	310	-0.19	0.52	-0.59	0.0	-5.76e-05	8.40e-06
2135	44	-1.30	0.90	-0.95	0.0	-1.45e-04	3.29e-05
2135	52	-0.39	1.81	-1.09	0.0	-1.03e-04	2.09e-05
2135	68	-0.33	2.08	-0.97	0.0	-8.87e-05	1.93e-05
2135	116	-10.32	1.73	-0.55	0.0	-7.39e-04	-4.07e-04
2135	125	9.08	3.71	-0.65	0.0	5.49e-04	8.77e-05
2135	139	-1.59	11.07	-0.61	0.0	-1.37e-04	8.48e-05
2135	148	-11.57	1.84	-0.54	0.0	-8.24e-04	-4.59e-04
2135	157	10.24	4.11	-0.66	0.0	6.25e-04	9.75e-05
2135	171	-1.75	12.43	-0.61	0.0	-1.46e-04	9.51e-05

2135	180	-11.43	1.69	-0.54	0.0	-8.14e-04	-4.58e-04
2135	189	10.09	4.20	-0.66	0.0	6.14e-04	9.64e-05
2135	203	-1.68	12.69	-0.61	0.0	-1.40e-04	9.83e-05
2135	212	-13.33	1.79	-0.53	0.0	-9.43e-04	-5.42e-04
2135	217	12.16	3.98	-0.67	0.0	7.52e-04	1.91e-04
2135	235	-1.89	14.95	-0.61	0.0	-1.52e-04	1.16e-04
2135	264	-0.88	0.63	-0.67	0.0	-9.96e-05	2.26e-05
2135	268	-0.27	1.24	-0.76	0.0	-7.17e-05	1.46e-05
2135	276	-0.23	1.42	-0.68	0.0	-6.23e-05	1.35e-05
2135	298	-0.23	0.64	-0.63	0.0	-5.98e-05	1.06e-05
2135	305	-0.35	0.59	-0.60	0.0	-6.40e-05	1.22e-05
2135	307	-0.22	0.75	-0.60	0.0	-5.65e-05	1.04e-05
2135	310	-0.22	0.60	-0.60	0.0	-5.71e-05	1.00e-05
2136	44	-1.37	0.98	-0.96	0.0	-1.43e-04	3.57e-05
2136	52	-0.44	1.93	-1.10	0.0	-1.02e-04	2.39e-05
2136	68	-0.37	2.20	-0.97	0.0	-8.75e-05	2.22e-05
2136	116	-10.69	1.79	-0.55	0.0	-6.45e-04	-4.35e-04
2136	125	9.36	3.85	-0.66	0.0	4.73e-04	1.05e-04
2136	139	-1.66	11.44	-0.61	0.0	-1.21e-04	9.01e-05
2136	148	-11.98	1.91	-0.55	0.0	-7.17e-04	-4.91e-04
2136	157	10.56	4.27	-0.66	0.0	5.39e-04	1.17e-04
2136	171	-1.83	12.84	-0.61	0.0	-1.28e-04	1.01e-04
2136	180	-11.84	1.76	-0.55	0.0	-7.09e-04	-4.90e-04
2136	189	10.40	4.36	-0.66	0.0	5.29e-04	1.16e-04
2136	203	-1.75	13.11	-0.61	0.0	-1.23e-04	1.05e-04
2136	212	-13.81	1.85	-0.54	0.0	-8.20e-04	-5.80e-04
2136	217	12.54	4.14	-0.67	0.0	6.51e-04	2.16e-04
2136	235	-1.97	15.44	-0.62	0.0	-1.31e-04	1.23e-04
2136	264	-0.93	0.68	-0.67	0.0	-9.87e-05	2.45e-05
2136	268	-0.31	1.32	-0.77	0.0	-7.08e-05	1.66e-05
2136	276	-0.26	1.49	-0.68	0.0	-6.15e-05	1.55e-05
2136	298	-0.26	0.70	-0.63	0.0	-5.93e-05	1.21e-05
2136	305	-0.38	0.64	-0.60	0.0	-6.34e-05	1.36e-05
2136	307	-0.25	0.81	-0.60	0.0	-5.59e-05	1.18e-05
2136	310	-0.25	0.65	-0.60	0.0	-5.66e-05	1.14e-05
2137	44	-1.24	0.81	-0.94	0.0	-1.49e-04	3.01e-05
2137	52	-0.34	1.68	-1.10	0.0	-1.07e-04	1.79e-05
2137	68	-0.29	1.95	-0.97	0.0	-9.33e-05	1.64e-05
2137	116	-9.70	1.65	-0.51	0.0	-7.51e-04	-3.74e-04
2137	125	8.74	3.55	-0.69	0.0	5.63e-04	7.35e-05
2137	139	-1.54	10.68	-0.63	0.0	-1.49e-04	8.00e-05
2137	148	-10.88	1.76	-0.50	0.0	-8.36e-04	-4.22e-04
2137	157	9.85	3.94	-0.70	0.0	6.40e-04	8.16e-05
2137	171	-1.70	12.00	-0.63	0.0	-1.59e-04	8.98e-05
2137	180	-10.75	1.62	-0.50	0.0	-8.26e-04	-4.21e-04
2137	189	9.71	4.03	-0.70	0.0	6.29e-04	8.03e-05
2137	203	-1.63	12.25	-0.63	0.0	-1.53e-04	9.25e-05
2137	212	-12.53	1.71	-0.49	0.0	-9.56e-04	-4.99e-04
2137	221	11.32	4.68	-0.72	0.0	7.41e-04	9.28e-05
2137	235	-1.85	14.44	-0.64	0.0	-1.67e-04	1.09e-04
2137	264	-0.83	0.56	-0.66	0.0	-1.03e-04	2.06e-05
2137	268	-0.24	1.15	-0.76	0.0	-7.50e-05	1.24e-05
2137	276	-0.20	1.32	-0.68	0.0	-6.55e-05	1.15e-05
2137	298	-0.21	0.58	-0.63	0.0	-6.22e-05	9.09e-06
2137	305	-0.32	0.54	-0.59	0.0	-6.63e-05	1.07e-05
2137	307	-0.19	0.69	-0.60	0.0	-5.88e-05	8.86e-06
2137	310	-0.19	0.55	-0.60	0.0	-5.94e-05	8.57e-06
2138	44	-1.32	0.92	-0.95	0.0	-1.48e-04	3.39e-05
2138	52	-0.40	1.84	-1.11	0.0	-1.06e-04	2.17e-05
2138	68	-0.34	2.10	-0.98	0.0	-9.21e-05	2.01e-05
2138	116	-10.10	1.74	-0.52	0.0	-6.98e-04	-4.30e-04
2138	125	9.04	3.72	-0.70	0.0	5.20e-04	1.10e-04
2138	139	-1.62	11.08	-0.63	0.0	-1.39e-04	8.05e-05
2138	148	-11.32	1.86	-0.51	0.0	-7.77e-04	-4.85e-04
2138	157	10.19	4.13	-0.71	0.0	5.92e-04	1.22e-04
2138	171	-1.78	12.45	-0.64	0.0	-1.49e-04	9.02e-05
2138	180	-11.18	1.71	-0.51	0.0	-7.67e-04	-4.84e-04
2138	189	10.04	4.21	-0.71	0.0	5.81e-04	1.21e-04
2138	203	-1.71	12.70	-0.64	0.0	-1.43e-04	9.36e-05
2138	212	-13.03	1.80	-0.49	0.0	-8.87e-04	-5.72e-04
2138	221	11.71	4.89	-0.73	0.0	6.85e-04	1.40e-04
2138	235	-1.93	14.97	-0.65	0.0	-1.55e-04	1.10e-04
2138	264	-0.89	0.64	-0.67	0.0	-1.02e-04	2.32e-05
2138	268	-0.28	1.25	-0.77	0.0	-7.41e-05	1.51e-05
2138	276	-0.24	1.43	-0.69	0.0	-6.47e-05	1.41e-05

2138	298	-0.24	0.66	-0.63	0.0	-6.16e-05	1.10e-05
2138	305	-0.35	0.61	-0.60	0.0	-6.57e-05	1.26e-05
2138	307	-0.22	0.77	-0.60	0.0	-5.82e-05	1.07e-05
2138	310	-0.23	0.62	-0.60	0.0	-5.88e-05	1.04e-05
2139	44	-1.40	0.98	-0.96	0.0	-1.46e-04	3.70e-05
2139	52	-0.46	1.94	-1.11	0.0	-1.04e-04	2.53e-05
2139	68	-0.39	2.20	-0.99	0.0	-9.02e-05	2.35e-05
2139	116	-10.45	1.80	-0.52	0.0	-6.26e-04	-4.64e-04
2139	125	9.30	3.86	-0.70	0.0	4.61e-04	1.34e-04
2139	139	-1.69	11.44	-0.64	0.0	-1.26e-04	8.44e-05
2139	148	-11.71	1.91	-0.51	0.0	-6.96e-04	-5.23e-04
2139	157	10.49	4.28	-0.72	0.0	5.26e-04	1.50e-04
2139	171	-1.86	12.85	-0.64	0.0	-1.34e-04	9.44e-05
2139	180	-11.57	1.76	-0.51	0.0	-6.87e-04	-5.22e-04
2139	189	10.33	4.36	-0.71	0.0	5.16e-04	1.48e-04
2139	203	-1.79	13.11	-0.64	0.0	-1.29e-04	9.84e-05
2139	212	-13.49	1.85	-0.49	0.0	-7.94e-04	-6.17e-04
2139	221	12.06	5.07	-0.73	0.0	6.10e-04	1.72e-04
2139	235	-2.01	15.45	-0.65	0.0	-1.39e-04	1.16e-04
2139	264	-0.94	0.69	-0.67	0.0	-1.00e-04	2.54e-05
2139	268	-0.32	1.32	-0.78	0.0	-7.28e-05	1.76e-05
2139	276	-0.27	1.50	-0.69	0.0	-6.33e-05	1.64e-05
2139	298	-0.27	0.70	-0.64	0.0	-6.06e-05	1.27e-05
2139	305	-0.39	0.65	-0.60	0.0	-6.47e-05	1.43e-05
2139	307	-0.25	0.81	-0.61	0.0	-5.73e-05	1.25e-05
2139	310	-0.26	0.66	-0.61	0.0	-5.79e-05	1.21e-05
2140	44	-1.25	0.87	-0.97	0.0	-1.53e-04	3.02e-05
2140	52	-0.35	1.75	-1.14	0.0	-1.12e-04	1.76e-05
2140	68	-0.30	2.01	-1.01	0.0	-9.73e-05	1.62e-05
2140	116	-9.51	1.69	-0.47	0.0	-6.85e-04	-3.76e-04
2140	125	8.71	3.59	-0.77	0.0	5.12e-04	7.46e-05
2140	139	-1.56	10.72	-0.68	0.0	-1.47e-04	7.93e-05
2140	148	-10.66	1.80	-0.46	0.0	-7.62e-04	-4.25e-04
2140	157	9.82	3.98	-0.79	0.0	5.83e-04	8.29e-05
2140	171	-1.72	12.05	-0.69	0.0	-1.57e-04	8.90e-05
2140	180	-10.53	1.66	-0.46	0.0	-7.52e-04	-4.24e-04
2140	189	9.67	4.07	-0.79	0.0	5.73e-04	8.17e-05
2140	203	-1.66	12.30	-0.70	0.0	-1.53e-04	9.18e-05
2140	212	-12.27	1.75	-0.43	0.0	-8.69e-04	-5.01e-04
2140	221	11.28	4.72	-0.82	0.0	6.76e-04	9.45e-05
2140	235	-1.88	14.49	-0.71	0.0	-1.66e-04	1.08e-04
2140	264	-0.85	0.60	-0.68	0.0	-1.06e-04	2.06e-05
2140	268	-0.25	1.20	-0.79	0.0	-7.79e-05	1.22e-05
2140	276	-0.21	1.36	-0.71	0.0	-6.84e-05	1.13e-05
2140	298	-0.21	0.62	-0.64	0.0	-6.42e-05	8.91e-06
2140	305	-0.32	0.58	-0.61	0.0	-6.83e-05	1.06e-05
2140	307	-0.20	0.73	-0.62	0.0	-6.08e-05	8.69e-06
2140	310	-0.20	0.59	-0.61	0.0	-6.13e-05	8.40e-06
2141	44	-1.34	0.94	-0.98	0.0	-1.52e-04	3.38e-05
2141	52	-0.41	1.87	-1.15	0.0	-1.10e-04	2.15e-05
2141	68	-0.35	2.12	-1.02	0.0	-9.59e-05	1.99e-05
2141	116	-9.87	1.75	-0.48	0.0	-6.50e-04	-4.32e-04
2141	125	8.98	3.74	-0.78	0.0	4.83e-04	1.12e-04
2141	139	-1.64	11.10	-0.69	0.0	-1.40e-04	7.98e-05
2141	148	-11.06	1.87	-0.46	0.0	-7.23e-04	-4.87e-04
2141	157	10.12	4.14	-0.80	0.0	5.51e-04	1.25e-04
2141	171	-1.81	12.46	-0.70	0.0	-1.50e-04	8.94e-05
2141	180	-10.92	1.72	-0.46	0.0	-7.13e-04	-4.86e-04
2141	189	9.97	4.23	-0.80	0.0	5.41e-04	1.24e-04
2141	203	-1.74	12.72	-0.71	0.0	-1.45e-04	9.29e-05
2141	212	-12.72	1.81	-0.43	0.0	-8.24e-04	-5.75e-04
2141	221	11.64	4.91	-0.83	0.0	6.39e-04	1.44e-04
2141	235	-1.97	14.99	-0.73	0.0	-1.57e-04	1.10e-04
2141	264	-0.90	0.66	-0.69	0.0	-1.04e-04	2.32e-05
2141	268	-0.29	1.27	-0.80	0.0	-7.69e-05	1.50e-05
2141	276	-0.25	1.44	-0.72	0.0	-6.74e-05	1.39e-05
2141	298	-0.25	0.67	-0.65	0.0	-6.36e-05	1.08e-05
2141	305	-0.36	0.62	-0.62	0.0	-6.76e-05	1.24e-05
2141	307	-0.23	0.78	-0.62	0.0	-6.02e-05	1.06e-05
2141	310	-0.23	0.63	-0.62	0.0	-6.07e-05	1.02e-05
2142	44	-1.42	0.99	-0.99	0.0	-1.49e-04	3.70e-05
2142	52	-0.47	1.94	-1.16	0.0	-1.08e-04	2.52e-05
2142	68	-0.40	2.21	-1.03	0.0	-9.33e-05	2.34e-05
2142	116	-10.20	1.80	-0.49	0.0	-6.04e-04	-4.66e-04
2142	125	9.23	3.86	-0.79	0.0	4.46e-04	1.38e-04

2142	139	-1.71	11.45	-0.70	0.0	-1.31e-04	8.33e-05
2142	148	-11.43	1.92	-0.47	0.0	-6.72e-04	-5.26e-04
2142	157	10.41	4.28	-0.81	0.0	5.09e-04	1.54e-04
2142	171	-1.88	12.85	-0.71	0.0	-1.39e-04	9.32e-05
2142	180	-11.29	1.77	-0.47	0.0	-6.63e-04	-5.25e-04
2142	189	10.25	4.37	-0.81	0.0	5.00e-04	1.53e-04
2142	203	-1.82	13.12	-0.72	0.0	-1.35e-04	9.72e-05
2142	212	-13.15	1.86	-0.44	0.0	-7.66e-04	-6.21e-04
2142	221	11.96	5.07	-0.84	0.0	5.91e-04	1.77e-04
2142	235	-2.05	15.45	-0.74	0.0	-1.46e-04	1.15e-04
2142	264	-0.96	0.69	-0.70	0.0	-1.02e-04	2.54e-05
2142	268	-0.33	1.33	-0.81	0.0	-7.51e-05	1.75e-05
2142	276	-0.28	1.50	-0.72	0.0	-6.55e-05	1.63e-05
2142	298	-0.28	0.70	-0.66	0.0	-6.23e-05	1.27e-05
2142	305	-0.40	0.65	-0.62	0.0	-6.63e-05	1.42e-05
2142	307	-0.26	0.81	-0.63	0.0	-5.90e-05	1.24e-05
2142	310	-0.27	0.66	-0.63	0.0	-5.95e-05	1.20e-05
2143	44	-1.31	1.05	-0.59	0.0	-1.37e-04	2.87e-05
2143	68	-0.33	2.32	-0.55	0.0	-7.65e-05	2.11e-05
2143	76	-0.44	0.96	-0.66	0.0	-9.79e-05	1.86e-05
2143	116	-12.08	1.85	-0.47	0.0	-6.98e-04	2.21e-05
2143	139	-1.33	11.77	-0.17	0.0	-6.37e-05	2.12e-04
2143	140	-5.57	-8.33	-0.60	0.0	-3.81e-04	-1.23e-04
2143	148	-13.55	1.97	-0.48	0.0	-7.78e-04	2.22e-05
2143	171	-1.44	13.22	-0.15	0.0	-6.38e-05	2.37e-04
2143	172	-6.24	-9.52	-0.62	0.0	-4.23e-04	-1.40e-04
2143	180	-13.42	1.81	-0.49	0.0	-7.72e-04	1.32e-05
2143	203	-1.34	13.49	-0.14	0.0	-5.59e-05	2.38e-04
2143	204	-6.24	-9.83	-0.63	0.0	-4.26e-04	-1.44e-04
2143	212	-15.68	1.90	-0.51	0.0	-8.96e-04	1.01e-05
2143	235	-1.48	15.89	-0.10	0.0	-5.23e-05	2.80e-04
2143	236	-7.30	-11.85	-0.68	0.0	-4.93e-04	-1.73e-04
2143	264	-0.88	0.73	-0.42	0.0	-9.43e-05	1.96e-05
2143	276	-0.23	1.58	-0.39	0.0	-5.38e-05	1.46e-05
2143	280	-0.30	0.68	-0.47	0.0	-6.81e-05	1.29e-05
2143	298	-0.25	0.74	-0.38	0.0	-5.42e-05	1.08e-05
2143	305	-0.36	0.68	-0.37	0.0	-5.89e-05	1.17e-05
2143	307	-0.23	0.85	-0.37	0.0	-5.08e-05	1.07e-05
2143	310	-0.23	0.69	-0.37	0.0	-5.19e-05	1.01e-05
2144	44	-1.38	1.15	-0.60	0.0	-1.33e-04	1.37e-05
2144	68	-0.37	2.44	-0.56	0.0	-7.51e-05	1.31e-05
2144	76	-0.49	1.07	-0.67	0.0	-9.62e-05	7.30e-06
2144	116	-12.40	1.92	-0.48	0.0	-6.06e-04	-3.43e-04
2144	139	-1.36	12.12	-0.18	0.0	-5.13e-05	1.46e-04
2144	140	-5.75	-8.51	-0.60	0.0	-3.42e-04	-2.72e-04
2144	148	-13.91	2.05	-0.49	0.0	-6.75e-04	-3.87e-04
2144	171	-1.48	13.61	-0.15	0.0	-5.01e-05	1.65e-04
2144	172	-6.44	-9.73	-0.63	0.0	-3.79e-04	-3.07e-04
2144	180	-13.79	1.89	-0.49	0.0	-6.70e-04	-3.89e-04
2144	203	-1.37	13.89	-0.15	0.0	-4.30e-05	1.70e-04
2144	204	-6.44	-10.05	-0.64	0.0	-3.81e-04	-3.11e-04
2144	212	-16.11	1.98	-0.51	0.0	-7.78e-04	-4.62e-04
2144	235	-1.50	16.35	-0.10	0.0	-3.77e-05	2.01e-04
2144	236	-7.53	-12.12	-0.69	0.0	-4.41e-04	-3.69e-04
2144	264	-0.93	0.80	-0.42	0.0	-9.16e-05	9.43e-06
2144	276	-0.26	1.67	-0.40	0.0	-5.28e-05	9.00e-06
2144	280	-0.34	0.75	-0.47	0.0	-6.69e-05	5.15e-06
2144	298	-0.27	0.80	-0.39	0.0	-5.32e-05	4.90e-06
2144	305	-0.39	0.74	-0.37	0.0	-5.76e-05	5.33e-06
2144	307	-0.25	0.92	-0.37	0.0	-4.98e-05	5.25e-06
2144	310	-0.26	0.76	-0.37	0.0	-5.09e-05	4.44e-06
2145	44	-1.33	1.05	-0.76	0.0	-1.32e-04	3.23e-05
2145	68	-0.34	2.31	-0.73	0.0	-7.46e-05	2.21e-05
2145	76	-0.45	0.97	-0.85	0.0	-9.47e-05	1.98e-05
2145	116	-12.00	1.85	-0.53	0.0	-6.07e-04	-2.26e-04
2145	139	-1.40	11.77	-0.36	0.0	-6.30e-05	1.41e-04
2145	140	-5.49	-8.33	-0.60	0.0	-3.33e-04	-1.99e-04
2145	148	-13.46	1.97	-0.54	0.0	-6.77e-04	-2.55e-04
2145	171	-1.53	13.22	-0.34	0.0	-6.34e-05	1.59e-04
2145	172	-6.15	-9.52	-0.62	0.0	-3.69e-04	-2.26e-04
2145	180	-13.34	1.81	-0.54	0.0	-6.71e-04	-2.54e-04
2145	203	-1.43	13.49	-0.34	0.0	-5.66e-05	1.62e-04
2145	204	-6.15	-9.83	-0.62	0.0	-3.71e-04	-2.27e-04
2145	212	-15.58	1.90	-0.55	0.0	-7.79e-04	-3.04e-04
2145	235	-1.58	15.89	-0.32	0.0	-5.40e-05	1.91e-04

2145	236	-7.18	-11.85	-0.65	0.0	-4.29e-04	-2.71e-04
2145	264	-0.90	0.73	-0.53	0.0	-9.10e-05	2.21e-05
2145	276	-0.24	1.58	-0.51	0.0	-5.25e-05	1.53e-05
2145	280	-0.31	0.68	-0.59	0.0	-6.59e-05	1.38e-05
2145	298	-0.25	0.74	-0.49	0.0	-5.26e-05	1.16e-05
2145	305	-0.37	0.68	-0.47	0.0	-5.70e-05	1.28e-05
2145	307	-0.24	0.85	-0.47	0.0	-4.93e-05	1.14e-05
2145	310	-0.24	0.70	-0.47	0.0	-5.03e-05	1.08e-05
2146	44	-1.39	1.15	-0.76	0.0	-1.32e-04	2.92e-05
2146	68	-0.38	2.44	-0.74	0.0	-7.50e-05	2.09e-05
2146	76	-0.50	1.07	-0.86	0.0	-9.52e-05	1.76e-05
2146	116	-12.27	1.92	-0.53	0.0	-5.17e-04	-2.75e-04
2146	139	-1.43	12.12	-0.36	0.0	-4.87e-05	1.44e-04
2146	140	-5.64	-8.51	-0.60	0.0	-2.97e-04	-2.28e-04
2146	148	-13.76	2.04	-0.54	0.0	-5.75e-04	-3.11e-04
2146	171	-1.56	13.61	-0.35	0.0	-4.74e-05	1.62e-04
2146	172	-6.31	-9.73	-0.62	0.0	-3.28e-04	-2.59e-04
2146	180	-13.63	1.89	-0.54	0.0	-5.71e-04	-3.11e-04
2146	203	-1.46	13.89	-0.34	0.0	-4.12e-05	1.66e-04
2146	204	-6.31	-10.05	-0.63	0.0	-3.30e-04	-2.61e-04
2146	212	-15.92	1.98	-0.56	0.0	-6.61e-04	-3.71e-04
2146	235	-1.61	16.35	-0.32	0.0	-3.62e-05	1.95e-04
2146	236	-7.38	-12.12	-0.65	0.0	-3.81e-04	-3.10e-04
2146	264	-0.94	0.80	-0.54	0.0	-9.10e-05	2.00e-05
2146	276	-0.27	1.66	-0.52	0.0	-5.28e-05	1.45e-05
2146	280	-0.35	0.75	-0.60	0.0	-6.62e-05	1.22e-05
2146	298	-0.28	0.80	-0.49	0.0	-5.28e-05	1.05e-05
2146	305	-0.39	0.74	-0.47	0.0	-5.72e-05	1.16e-05
2146	307	-0.26	0.92	-0.47	0.0	-4.95e-05	1.05e-05
2146	310	-0.27	0.75	-0.47	0.0	-5.05e-05	9.79e-06
2147	44	-1.34	1.05	-0.86	0.0	-1.33e-04	3.41e-05
2147	68	-0.35	2.31	-0.84	0.0	-7.59e-05	2.21e-05
2147	76	-0.46	0.97	-0.97	0.0	-9.56e-05	2.00e-05
2147	116	-11.90	1.85	-0.57	0.0	-5.78e-04	-2.65e-04
2147	139	-1.47	11.77	-0.47	0.0	-6.70e-05	1.35e-04
2147	140	-5.39	-8.32	-0.61	0.0	-3.15e-04	-2.15e-04
2147	148	-13.34	1.97	-0.57	0.0	-6.44e-04	-3.00e-04
2147	171	-1.61	13.22	-0.46	0.0	-6.80e-05	1.52e-04
2147	172	-6.04	-9.52	-0.62	0.0	-3.49e-04	-2.44e-04
2147	180	-13.21	1.81	-0.57	0.0	-6.39e-04	-3.00e-04
2147	203	-1.51	13.49	-0.46	0.0	-6.16e-05	1.55e-04
2147	204	-6.04	-9.83	-0.62	0.0	-3.51e-04	-2.45e-04
2147	212	-15.43	1.90	-0.58	0.0	-7.40e-04	-3.57e-04
2147	235	-1.68	15.89	-0.45	0.0	-6.00e-05	1.82e-04
2147	236	-7.05	-11.85	-0.63	0.0	-4.04e-04	-2.92e-04
2147	264	-0.91	0.73	-0.60	0.0	-9.15e-05	2.33e-05
2147	276	-0.25	1.57	-0.59	0.0	-5.34e-05	1.53e-05
2147	280	-0.32	0.68	-0.68	0.0	-6.65e-05	1.40e-05
2147	298	-0.26	0.74	-0.56	0.0	-5.32e-05	1.18e-05
2147	305	-0.37	0.68	-0.54	0.0	-5.75e-05	1.32e-05
2147	307	-0.24	0.85	-0.53	0.0	-4.99e-05	1.16e-05
2147	310	-0.25	0.70	-0.53	0.0	-5.08e-05	1.10e-05
2148	44	-1.41	1.15	-0.87	0.0	-1.34e-04	3.52e-05
2148	68	-0.39	2.44	-0.85	0.0	-7.65e-05	2.35e-05
2148	76	-0.51	1.07	-0.98	0.0	-9.63e-05	2.11e-05
2148	116	-12.14	1.92	-0.57	0.0	-4.73e-04	-2.85e-04
2148	139	-1.50	12.12	-0.48	0.0	-5.03e-05	1.39e-04
2148	140	-5.53	-8.51	-0.61	0.0	-2.73e-04	-2.27e-04
2148	148	-13.62	2.04	-0.58	0.0	-5.26e-04	-3.22e-04
2148	171	-1.64	13.61	-0.47	0.0	-4.92e-05	1.56e-04
2148	172	-6.20	-9.73	-0.62	0.0	-3.02e-04	-2.58e-04
2148	180	-13.49	1.89	-0.58	0.0	-5.22e-04	-3.22e-04
2148	203	-1.54	13.89	-0.47	0.0	-4.36e-05	1.60e-04
2148	204	-6.19	-10.05	-0.62	0.0	-3.04e-04	-2.60e-04
2148	212	-15.74	1.98	-0.59	0.0	-6.04e-04	-3.84e-04
2148	235	-1.70	16.35	-0.45	0.0	-3.92e-05	1.88e-04
2148	236	-7.23	-12.12	-0.64	0.0	-3.49e-04	-3.09e-04
2148	264	-0.95	0.80	-0.61	0.0	-9.20e-05	2.41e-05
2148	276	-0.28	1.66	-0.60	0.0	-5.38e-05	1.63e-05
2148	280	-0.35	0.75	-0.68	0.0	-6.70e-05	1.47e-05
2148	298	-0.29	0.80	-0.56	0.0	-5.36e-05	1.25e-05
2148	305	-0.40	0.74	-0.54	0.0	-5.79e-05	1.38e-05
2148	307	-0.27	0.92	-0.54	0.0	-5.03e-05	1.23e-05
2148	310	-0.27	0.75	-0.54	0.0	-5.12e-05	1.17e-05
2149	44	-1.36	1.05	-0.92	0.0	-1.35e-04	3.45e-05

2149	68	-0.37	2.31	-0.91	0.0	-7.82e-05	2.17e-05
2149	76	-0.47	0.97	-1.04	0.0	-9.76e-05	1.97e-05
2149	116	-11.76	1.85	-0.59	0.0	-5.65e-04	-3.09e-04
2149	139	-1.53	11.77	-0.54	0.0	-7.31e-05	1.27e-04
2149	140	-5.29	-8.32	-0.61	0.0	-3.05e-04	-2.31e-04
2149	148	-13.19	1.97	-0.60	0.0	-6.29e-04	-3.49e-04
2149	171	-1.68	13.22	-0.53	0.0	-7.47e-05	1.43e-04
2149	172	-5.93	-9.52	-0.62	0.0	-3.37e-04	-2.62e-04
2149	180	-13.05	1.81	-0.60	0.0	-6.23e-04	-3.49e-04
2149	203	-1.59	13.49	-0.53	0.0	-6.86e-05	1.46e-04
2149	204	-5.92	-9.83	-0.62	0.0	-3.39e-04	-2.64e-04
2149	212	-15.24	1.90	-0.60	0.0	-7.22e-04	-4.15e-04
2149	235	-1.77	15.89	-0.53	0.0	-6.82e-05	1.72e-04
2149	236	-6.91	-11.84	-0.63	0.0	-3.90e-04	-3.14e-04
2149	264	-0.92	0.73	-0.65	0.0	-9.30e-05	2.36e-05
2149	276	-0.26	1.57	-0.64	0.0	-5.50e-05	1.51e-05
2149	280	-0.33	0.68	-0.73	0.0	-6.79e-05	1.38e-05
2149	298	-0.27	0.74	-0.60	0.0	-5.44e-05	1.16e-05
2149	305	-0.38	0.69	-0.57	0.0	-5.87e-05	1.32e-05
2149	307	-0.25	0.85	-0.57	0.0	-5.11e-05	1.14e-05
2149	310	-0.25	0.70	-0.57	0.0	-5.20e-05	1.09e-05
2150	44	-1.43	1.15	-0.93	0.0	-1.36e-04	3.64e-05
2150	68	-0.41	2.43	-0.92	0.0	-7.85e-05	2.36e-05
2150	76	-0.52	1.07	-1.05	0.0	-9.80e-05	2.14e-05
2150	116	-12.00	1.92	-0.60	0.0	-4.50e-04	-3.18e-04
2150	139	-1.57	12.12	-0.54	0.0	-5.49e-05	1.33e-04
2150	140	-5.43	-8.51	-0.62	0.0	-2.59e-04	-2.40e-04
2150	148	-13.45	2.04	-0.60	0.0	-4.99e-04	-3.60e-04
2150	171	-1.71	13.60	-0.54	0.0	-5.43e-05	1.49e-04
2150	172	-6.07	-9.73	-0.63	0.0	-2.85e-04	-2.72e-04
2150	180	-13.32	1.88	-0.60	0.0	-4.96e-04	-3.60e-04
2150	203	-1.62	13.89	-0.54	0.0	-4.91e-05	1.53e-04
2150	204	-6.07	-10.05	-0.63	0.0	-2.87e-04	-2.73e-04
2150	212	-15.54	1.97	-0.61	0.0	-5.72e-04	-4.28e-04
2150	235	-1.79	16.35	-0.53	0.0	-4.57e-05	1.79e-04
2150	236	-7.08	-12.12	-0.64	0.0	-3.29e-04	-3.25e-04
2150	264	-0.97	0.80	-0.65	0.0	-9.34e-05	2.49e-05
2150	276	-0.28	1.66	-0.65	0.0	-5.52e-05	1.64e-05
2150	280	-0.36	0.75	-0.73	0.0	-6.82e-05	1.50e-05
2150	298	-0.29	0.80	-0.60	0.0	-5.46e-05	1.27e-05
2150	305	-0.41	0.74	-0.58	0.0	-5.89e-05	1.42e-05
2150	307	-0.27	0.91	-0.58	0.0	-5.13e-05	1.25e-05
2150	310	-0.28	0.75	-0.58	0.0	-5.22e-05	1.19e-05
2151	44	-1.38	1.05	-0.95	0.0	-1.37e-04	3.45e-05
2151	68	-0.38	2.31	-0.94	0.0	-8.05e-05	2.14e-05
2151	76	-0.48	0.97	-1.08	0.0	-9.97e-05	1.95e-05
2151	116	-11.60	1.85	-0.59	0.0	-5.57e-04	-3.47e-04
2151	138	1.07	-10.38	-0.62	0.0	-2.61e-05	-9.75e-05
2151	139	-1.59	11.77	-0.57	0.0	-8.02e-05	1.19e-04
2151	148	-13.00	1.97	-0.59	0.0	-6.19e-04	-3.92e-04
2151	170	1.22	-11.83	-0.62	0.0	-2.37e-05	-1.12e-04
2151	171	-1.74	13.22	-0.56	0.0	-8.27e-05	1.34e-04
2151	180	-12.87	1.81	-0.59	0.0	-6.13e-04	-3.91e-04
2151	202	1.13	-12.10	-0.62	0.0	-2.95e-05	-1.16e-04
2151	203	-1.65	13.49	-0.56	0.0	-7.69e-05	1.37e-04
2151	212	-15.01	1.91	-0.59	0.0	-7.10e-04	-4.65e-04
2151	234	1.32	-14.50	-0.63	0.0	-2.84e-05	-1.40e-04
2151	235	-1.84	15.89	-0.56	0.0	-7.79e-05	1.62e-04
2151	264	-0.94	0.73	-0.67	0.0	-9.45e-05	2.36e-05
2151	276	-0.27	1.57	-0.66	0.0	-5.66e-05	1.49e-05
2151	280	-0.34	0.68	-0.75	0.0	-6.94e-05	1.36e-05
2151	298	-0.27	0.74	-0.62	0.0	-5.56e-05	1.15e-05
2151	305	-0.39	0.69	-0.59	0.0	-5.99e-05	1.31e-05
2151	307	-0.25	0.85	-0.59	0.0	-5.23e-05	1.13e-05
2151	310	-0.26	0.70	-0.59	0.0	-5.32e-05	1.08e-05
2152	44	-1.45	1.14	-0.96	0.0	-1.38e-04	3.62e-05
2152	68	-0.42	2.43	-0.95	0.0	-8.07e-05	2.32e-05
2152	76	-0.53	1.07	-1.08	0.0	-9.98e-05	2.12e-05
2152	116	-11.83	1.92	-0.59	0.0	-4.40e-04	-3.52e-04
2152	138	1.05	-10.62	-0.62	0.0	-4.46e-05	-1.02e-04
2152	139	-1.62	12.12	-0.57	0.0	-6.19e-05	1.26e-04
2152	148	-13.26	2.04	-0.59	0.0	-4.88e-04	-3.97e-04
2152	170	1.20	-12.10	-0.63	0.0	-4.43e-05	-1.18e-04
2152	171	-1.78	13.60	-0.57	0.0	-6.22e-05	1.41e-04
2152	180	-13.13	1.88	-0.59	0.0	-4.84e-04	-3.97e-04

2152	202	1.11	-12.38	-0.63	0.0	-4.92e-05	-1.21e-04
2152	203	-1.68	13.88	-0.57	0.0	-5.73e-05	1.45e-04
2152	212	-15.31	1.97	-0.59	0.0	-5.58e-04	-4.72e-04
2152	234	1.30	-14.84	-0.63	0.0	-5.11e-05	-1.47e-04
2152	235	-1.88	16.34	-0.56	0.0	-5.53e-05	1.71e-04
2152	264	-0.98	0.80	-0.67	0.0	-9.47e-05	2.48e-05
2152	276	-0.29	1.65	-0.67	0.0	-5.67e-05	1.62e-05
2152	280	-0.37	0.75	-0.76	0.0	-6.95e-05	1.48e-05
2152	298	-0.30	0.80	-0.62	0.0	-5.57e-05	1.25e-05
2152	305	-0.42	0.74	-0.60	0.0	-6.00e-05	1.40e-05
2152	307	-0.28	0.91	-0.60	0.0	-5.24e-05	1.23e-05
2152	310	-0.29	0.75	-0.60	0.0	-5.32e-05	1.17e-05
2153	4	-0.19	1.35	-1.09	0.0	-8.46e-05	1.59e-05
2153	44	-1.40	1.05	-0.96	0.0	-1.39e-04	3.48e-05
2153	68	-0.39	2.30	-0.96	0.0	-8.26e-05	2.16e-05
2153	116	-11.41	1.85	-0.59	0.0	-5.50e-04	-3.79e-04
2153	118	9.50	-5.75	-0.62	0.0	3.63e-04	2.33e-04
2153	139	-1.64	11.77	-0.59	0.0	-8.79e-05	1.12e-04
2153	148	-12.79	1.97	-0.59	0.0	-6.12e-04	-4.28e-04
2153	150	10.70	-6.57	-0.62	0.0	4.14e-04	2.60e-04
2153	171	-1.80	13.22	-0.59	0.0	-9.12e-05	1.25e-04
2153	180	-12.65	1.81	-0.59	0.0	-6.06e-04	-4.27e-04
2153	182	10.52	-6.59	-0.62	0.0	4.06e-04	2.55e-04
2153	203	-1.71	13.49	-0.59	0.0	-8.58e-05	1.29e-04
2153	212	-14.76	1.91	-0.59	0.0	-7.01e-04	-5.06e-04
2153	214	12.32	-7.89	-0.63	0.0	4.82e-04	2.96e-04
2153	235	-1.91	15.89	-0.58	0.0	-8.84e-05	1.52e-04
2153	244	-0.14	0.93	-0.76	0.0	-5.94e-05	1.13e-05
2153	264	-0.95	0.73	-0.67	0.0	-9.57e-05	2.38e-05
2153	276	-0.27	1.57	-0.68	0.0	-5.81e-05	1.50e-05
2153	298	-0.28	0.74	-0.63	0.0	-5.67e-05	1.17e-05
2153	305	-0.40	0.69	-0.60	0.0	-6.10e-05	1.32e-05
2153	307	-0.26	0.85	-0.60	0.0	-5.34e-05	1.15e-05
2153	310	-0.27	0.70	-0.60	0.0	-5.42e-05	1.10e-05
2154	4	-0.23	1.45	-1.10	0.0	-8.44e-05	1.74e-05
2154	44	-1.47	1.14	-0.97	0.0	-1.39e-04	3.62e-05
2154	68	-0.43	2.42	-0.97	0.0	-8.25e-05	2.32e-05
2154	116	-11.65	1.92	-0.59	0.0	-4.37e-04	-3.80e-04
2154	118	9.65	-5.85	-0.63	0.0	2.61e-04	2.31e-04
2154	139	-1.68	12.12	-0.59	0.0	-6.98e-05	1.19e-04
2154	148	-13.05	2.04	-0.59	0.0	-4.85e-04	-4.29e-04
2154	150	10.87	-6.69	-0.63	0.0	3.00e-04	2.57e-04
2154	171	-1.84	13.60	-0.59	0.0	-7.10e-05	1.34e-04
2154	180	-12.91	1.88	-0.59	0.0	-4.81e-04	-4.29e-04
2154	182	10.69	-6.72	-0.63	0.0	2.93e-04	2.52e-04
2154	203	-1.75	13.88	-0.59	0.0	-6.64e-05	1.38e-04
2154	212	-15.06	1.97	-0.59	0.0	-5.54e-04	-5.09e-04
2154	214	12.51	-8.05	-0.63	0.0	3.51e-04	2.93e-04
2154	235	-1.95	16.34	-0.59	0.0	-6.60e-05	1.62e-04
2154	244	-0.17	1.00	-0.77	0.0	-5.92e-05	1.23e-05
2154	264	-1.00	0.79	-0.68	0.0	-9.57e-05	2.48e-05
2154	276	-0.30	1.65	-0.68	0.0	-5.80e-05	1.62e-05
2154	298	-0.31	0.79	-0.64	0.0	-5.67e-05	1.25e-05
2154	305	-0.43	0.74	-0.61	0.0	-6.09e-05	1.40e-05
2154	307	-0.29	0.91	-0.61	0.0	-5.34e-05	1.23e-05
2154	310	-0.29	0.75	-0.61	0.0	-5.41e-05	1.18e-05
2155	4	-0.20	1.35	-1.10	0.0	-8.63e-05	1.70e-05
2155	44	-1.42	1.05	-0.97	0.0	-1.41e-04	3.57e-05
2155	68	-0.40	2.30	-0.97	0.0	-8.46e-05	2.25e-05
2155	116	-11.21	1.85	-0.58	0.0	-5.47e-04	-4.10e-04
2155	121	9.93	3.25	-0.63	0.0	4.09e-04	1.43e-04
2155	139	-1.68	11.77	-0.60	0.0	-9.61e-05	1.05e-04
2155	148	-12.56	1.97	-0.57	0.0	-6.08e-04	-4.63e-04
2155	153	11.21	3.58	-0.64	0.0	4.67e-04	1.60e-04
2155	171	-1.85	13.22	-0.60	0.0	-1.00e-04	1.17e-04
2155	180	-12.42	1.82	-0.57	0.0	-6.02e-04	-4.62e-04
2155	185	11.07	3.68	-0.64	0.0	4.60e-04	1.62e-04
2155	203	-1.76	13.49	-0.60	0.0	-9.52e-05	1.21e-04
2155	209	13.94	-0.51	-0.64	0.0	5.85e-04	5.70e-04
2155	212	-14.48	1.91	-0.57	0.0	-6.95e-04	-5.47e-04
2155	235	-1.98	15.89	-0.60	0.0	-9.95e-05	1.43e-04
2155	244	-0.15	0.93	-0.77	0.0	-6.06e-05	1.20e-05
2155	264	-0.96	0.73	-0.68	0.0	-9.69e-05	2.45e-05
2155	276	-0.28	1.57	-0.68	0.0	-5.95e-05	1.57e-05
2155	298	-0.29	0.74	-0.63	0.0	-5.78e-05	1.22e-05

2155	305	-0.40	0.69	-0.61	0.0	-6.19e-05	1.37e-05
2155	307	-0.27	0.85	-0.61	0.0	-5.44e-05	1.20e-05
2155	310	-0.27	0.70	-0.61	0.0	-5.51e-05	1.15e-05
2156	44	-1.38	0.71	-1.09	0.0	-1.50e-04	4.56e-05
2156	52	-0.46	1.69	-1.22	0.0	-1.10e-04	4.33e-05
2156	68	-0.38	1.98	-1.10	0.0	-9.45e-05	3.29e-05
2156	116	-10.67	3.17	-0.96	0.0	-6.50e-04	-4.16e-04
2156	119	-9.51	7.36	-1.05	0.0	-5.76e-04	-2.48e-04
2156	139	-1.69	10.47	-0.96	0.0	-1.30e-04	1.13e-04
2156	148	-11.95	3.47	-0.99	0.0	-7.23e-04	-4.71e-04
2156	151	-10.64	8.21	-1.09	0.0	-6.39e-04	-2.81e-04
2156	171	-1.85	11.75	-1.00	0.0	-1.38e-04	1.25e-04
2156	180	-11.81	3.30	-0.98	0.0	-7.14e-04	-4.70e-04
2156	183	-10.47	8.15	-1.08	0.0	-6.29e-04	-2.75e-04
2156	203	-1.78	11.95	-1.00	0.0	-1.33e-04	1.29e-04
2156	212	-13.77	3.68	-1.03	0.0	-8.25e-04	-5.59e-04
2156	215	-12.17	9.46	-1.15	0.0	-7.23e-04	-3.25e-04
2156	235	-2.00	14.06	-1.06	0.0	-1.43e-04	1.50e-04
2156	264	-0.94	0.50	-0.77	0.0	-1.04e-04	3.06e-05
2156	268	-0.32	1.15	-0.85	0.0	-7.65e-05	2.92e-05
2156	276	-0.27	1.34	-0.77	0.0	-6.63e-05	2.22e-05
2156	298	-0.27	0.58	-0.71	0.0	-6.39e-05	2.51e-05
2156	305	-0.39	0.52	-0.68	0.0	-6.77e-05	2.47e-05
2156	307	-0.25	0.69	-0.69	0.0	-6.03e-05	2.30e-05
2156	310	-0.26	0.54	-0.68	0.0	-6.09e-05	2.24e-05
2157	44	-1.25	0.53	-1.19	0.0	-1.62e-04	8.99e-05
2157	52	-0.36	1.43	-1.32	0.0	-1.27e-04	9.27e-05
2157	68	-0.30	1.72	-1.20	0.0	-1.06e-04	7.81e-05
2157	116	-9.69	2.91	-1.07	0.0	-7.89e-04	-3.31e-04
2157	119	-8.68	6.84	-1.17	0.0	-7.09e-04	-1.76e-04
2157	139	-1.56	9.76	-1.06	0.0	-1.71e-04	1.40e-04
2157	148	-10.87	3.19	-1.11	0.0	-8.77e-04	-3.79e-04
2157	151	-9.72	7.64	-1.23	0.0	-7.88e-04	-2.03e-04
2157	171	-1.72	10.97	-1.10	0.0	-1.83e-04	1.52e-04
2157	180	-10.73	3.03	-1.11	0.0	-8.66e-04	-3.78e-04
2157	183	-9.57	7.58	-1.22	0.0	-7.75e-04	-1.99e-04
2157	203	-1.65	11.15	-1.10	0.0	-1.77e-04	1.56e-04
2157	212	-12.51	3.39	-1.17	0.0	-1.00e-03	-4.56e-04
2157	215	-11.12	8.82	-1.30	0.0	-8.92e-04	-2.40e-04
2157	235	-1.87	13.13	-1.17	0.0	-1.93e-04	1.77e-04
2157	264	-0.84	0.37	-0.83	0.0	-1.11e-04	6.17e-05
2157	268	-0.25	0.97	-0.92	0.0	-8.80e-05	6.36e-05
2157	276	-0.21	1.16	-0.84	0.0	-7.38e-05	5.39e-05
2157	298	-0.21	0.46	-0.77	0.0	-7.48e-05	5.22e-05
2157	305	-0.33	0.41	-0.74	0.0	-7.74e-05	5.08e-05
2157	307	-0.20	0.56	-0.74	0.0	-7.00e-05	4.92e-05
2157	310	-0.20	0.43	-0.74	0.0	-7.03e-05	4.85e-05
2158	44	-1.33	0.62	-1.19	0.0	-1.52e-04	8.75e-05
2158	52	-0.43	1.56	-1.33	0.0	-1.15e-04	9.28e-05
2158	68	-0.35	1.85	-1.21	0.0	-9.61e-05	7.57e-05
2158	116	-10.11	3.04	-1.08	0.0	-7.20e-04	-3.86e-04
2158	119	-9.06	7.10	-1.17	0.0	-6.45e-04	-2.17e-04
2158	139	-1.65	10.12	-1.06	0.0	-1.52e-04	1.47e-04
2158	148	-11.33	3.33	-1.12	0.0	-8.01e-04	-4.41e-04
2158	151	-10.14	7.93	-1.23	0.0	-7.17e-04	-2.50e-04
2158	171	-1.81	11.36	-1.10	0.0	-1.63e-04	1.60e-04
2158	180	-11.19	3.17	-1.11	0.0	-7.91e-04	-4.41e-04
2158	183	-9.98	7.87	-1.22	0.0	-7.05e-04	-2.44e-04
2158	203	-1.75	11.55	-1.10	0.0	-1.58e-04	1.65e-04
2158	212	-13.04	3.53	-1.17	0.0	-9.14e-04	-5.29e-04
2158	215	-11.60	9.14	-1.30	0.0	-8.11e-04	-2.94e-04
2158	235	-1.97	13.60	-1.17	0.0	-1.72e-04	1.88e-04
2158	264	-0.90	0.44	-0.84	0.0	-1.04e-04	5.98e-05
2158	268	-0.30	1.06	-0.93	0.0	-7.94e-05	6.33e-05
2158	276	-0.25	1.25	-0.85	0.0	-6.71e-05	5.19e-05
2158	298	-0.25	0.52	-0.77	0.0	-6.74e-05	5.30e-05
2158	305	-0.37	0.46	-0.74	0.0	-7.05e-05	5.10e-05
2158	307	-0.24	0.63	-0.74	0.0	-6.31e-05	4.94e-05
2158	310	-0.24	0.49	-0.74	0.0	-6.36e-05	4.87e-05
2159	44	-1.41	0.71	-1.20	0.0	-1.41e-04	5.89e-05
2159	52	-0.48	1.69	-1.33	0.0	-9.97e-05	6.16e-05
2159	68	-0.40	1.98	-1.21	0.0	-8.49e-05	4.64e-05
2159	116	-10.47	3.17	-1.08	0.0	-6.25e-04	-4.47e-04
2159	119	-9.38	7.36	-1.18	0.0	-5.57e-04	-2.73e-04
2159	139	-1.72	10.47	-1.06	0.0	-1.26e-04	1.20e-04

2159	148	-11.73	3.47	-1.12	0.0	-6.96e-04	-5.07e-04
2159	151	-10.50	8.21	-1.23	0.0	-6.18e-04	-3.11e-04
2159	171	-1.89	11.76	-1.11	0.0	-1.34e-04	1.32e-04
2159	180	-11.59	3.30	-1.11	0.0	-6.87e-04	-5.06e-04
2159	183	-10.33	8.15	-1.22	0.0	-6.08e-04	-3.05e-04
2159	203	-1.82	11.95	-1.11	0.0	-1.29e-04	1.37e-04
2159	212	-13.50	3.68	-1.17	0.0	-7.95e-04	-6.03e-04
2159	215	-12.00	9.46	-1.31	0.0	-7.00e-04	-3.62e-04
2159	235	-2.06	14.06	-1.17	0.0	-1.39e-04	1.58e-04
2159	264	-0.95	0.50	-0.84	0.0	-9.68e-05	3.96e-05
2159	268	-0.33	1.15	-0.93	0.0	-6.94e-05	4.14e-05
2159	276	-0.28	1.34	-0.85	0.0	-5.95e-05	3.13e-05
2159	298	-0.29	0.58	-0.77	0.0	-5.84e-05	3.61e-05
2159	305	-0.40	0.52	-0.74	0.0	-6.24e-05	3.46e-05
2159	307	-0.27	0.69	-0.75	0.0	-5.50e-05	3.30e-05
2159	310	-0.27	0.55	-0.74	0.0	-5.55e-05	3.23e-05
2160	44	-1.31	0.55	-1.32	0.0	-1.79e-04	1.99e-04
2160	52	-0.42	1.46	-1.47	0.0	-1.51e-04	2.23e-04
2160	68	-0.35	1.74	-1.33	0.0	-1.24e-04	1.91e-04
2160	116	-9.56	2.93	-1.22	0.0	-7.47e-04	-2.51e-04
2160	119	-8.61	6.86	-1.33	0.0	-6.80e-04	-6.90e-05
2160	139	-1.62	9.77	-1.18	0.0	-1.88e-04	2.70e-04
2160	148	-10.71	3.22	-1.27	0.0	-8.29e-04	-2.97e-04
2160	151	-9.63	7.66	-1.39	0.0	-7.54e-04	-9.17e-05
2160	171	-1.78	10.98	-1.23	0.0	-2.00e-04	2.91e-04
2160	180	-10.57	3.06	-1.26	0.0	-8.18e-04	-2.99e-04
2160	183	-9.48	7.60	-1.38	0.0	-7.42e-04	-8.76e-05
2160	203	-1.72	11.16	-1.23	0.0	-1.96e-04	2.97e-04
2160	212	-12.32	3.41	-1.33	0.0	-9.42e-04	-3.75e-04
2160	215	-11.01	8.84	-1.48	0.0	-8.52e-04	-1.22e-04
2160	235	-1.94	13.14	-1.30	0.0	-2.14e-04	3.32e-04
2160	264	-0.88	0.39	-0.92	0.0	-1.23e-04	1.38e-04
2160	268	-0.29	0.99	-1.03	0.0	-1.04e-04	1.53e-04
2160	276	-0.25	1.18	-0.94	0.0	-8.62e-05	1.32e-04
2160	298	-0.25	0.47	-0.84	0.0	-8.86e-05	1.25e-04
2160	305	-0.36	0.42	-0.81	0.0	-9.00e-05	1.20e-04
2160	307	-0.23	0.58	-0.81	0.0	-8.27e-05	1.19e-04
2160	310	-0.24	0.44	-0.81	0.0	-8.29e-05	1.17e-04
2161	44	-1.39	0.62	-1.33	0.0	-1.35e-04	1.30e-04
2161	52	-0.49	1.56	-1.49	0.0	-9.78e-05	1.44e-04
2161	68	-0.41	1.85	-1.35	0.0	-7.93e-05	1.19e-04
2161	116	-9.94	3.04	-1.23	0.0	-6.59e-04	-3.89e-04
2161	119	-8.95	7.10	-1.34	0.0	-5.93e-04	-2.13e-04
2161	139	-1.71	10.12	-1.20	0.0	-1.39e-04	1.78e-04
2161	148	-11.13	3.34	-1.28	0.0	-7.34e-04	-4.48e-04
2161	151	-10.02	7.93	-1.41	0.0	-6.59e-04	-2.49e-04
2161	171	-1.88	11.37	-1.25	0.0	-1.49e-04	1.92e-04
2161	180	-10.99	3.17	-1.27	0.0	-7.24e-04	-4.47e-04
2161	183	-9.86	7.87	-1.40	0.0	-6.48e-04	-2.43e-04
2161	203	-1.81	11.56	-1.25	0.0	-1.44e-04	1.97e-04
2161	212	-12.80	3.54	-1.34	0.0	-8.38e-04	-5.41e-04
2161	215	-11.45	9.14	-1.50	0.0	-7.46e-04	-2.97e-04
2161	235	-2.05	13.60	-1.33	0.0	-1.57e-04	2.22e-04
2161	264	-0.94	0.44	-0.93	0.0	-9.25e-05	8.94e-05
2161	268	-0.34	1.07	-1.04	0.0	-6.75e-05	9.87e-05
2161	276	-0.28	1.26	-0.95	0.0	-5.51e-05	8.21e-05
2161	298	-0.29	0.52	-0.85	0.0	-5.86e-05	8.22e-05
2161	305	-0.40	0.47	-0.82	0.0	-6.18e-05	7.84e-05
2161	307	-0.27	0.63	-0.82	0.0	-5.43e-05	7.70e-05
2161	310	-0.27	0.49	-0.82	0.0	-5.48e-05	7.60e-05
2162	44	-1.44	0.71	-1.34	0.0	-1.06e-04	6.92e-05
2162	52	-0.52	1.69	-1.50	0.0	-6.10e-05	7.52e-05
2162	68	-0.43	1.98	-1.36	0.0	-4.95e-05	5.69e-05
2162	116	-10.26	3.17	-1.23	0.0	-5.75e-04	-4.81e-04
2162	119	-9.23	7.36	-1.35	0.0	-5.09e-04	-3.04e-04
2162	139	-1.76	10.47	-1.21	0.0	-9.67e-05	1.22e-04
2162	148	-11.49	3.47	-1.28	0.0	-6.42e-04	-5.47e-04
2162	151	-10.33	8.21	-1.42	0.0	-5.67e-04	-3.46e-04
2162	171	-1.93	11.76	-1.26	0.0	-1.04e-04	1.33e-04
2162	180	-11.34	3.30	-1.27	0.0	-6.34e-04	-5.46e-04
2162	183	-10.17	8.15	-1.41	0.0	-5.57e-04	-3.40e-04
2162	203	-1.87	11.95	-1.27	0.0	-9.86e-05	1.39e-04
2162	212	-13.21	3.68	-1.35	0.0	-7.35e-04	-6.50e-04
2162	215	-11.81	9.46	-1.51	0.0	-6.43e-04	-4.03e-04
2162	235	-2.11	14.06	-1.35	0.0	-1.07e-04	1.59e-04

2162	264	-0.98	0.50	-0.94	0.0	-7.24e-05	4.67e-05
2162	268	-0.36	1.15	-1.05	0.0	-4.24e-05	5.06e-05
2162	276	-0.30	1.34	-0.96	0.0	-3.47e-05	3.84e-05
2162	298	-0.31	0.58	-0.86	0.0	-3.72e-05	4.42e-05
2162	305	-0.42	0.52	-0.83	0.0	-4.20e-05	4.20e-05
2162	307	-0.29	0.69	-0.83	0.0	-3.45e-05	4.04e-05
2162	310	-0.29	0.55	-0.82	0.0	-3.51e-05	3.96e-05
2163	44	-1.51	0.59	-1.54	-8.92e-04	0.0	-8.95e-05
2163	52	-0.65	1.51	-1.75	-1.11e-03	0.0	-1.23e-04
2163	68	-0.55	1.78	-1.57	-9.46e-04	0.0	-8.62e-05
2163	116	-9.53	2.96	-1.45	-7.92e-04	0.0	-3.83e-04
2163	119	-8.65	6.88	-1.63	-1.01e-03	0.0	-1.49e-04
2163	139	-1.79	9.78	-1.50	-1.10e-03	0.0	2.25e-04
2163	148	-10.67	3.25	-1.51	-8.18e-04	0.0	-4.24e-04
2163	151	-9.67	7.68	-1.72	-1.06e-03	0.0	-1.59e-04
2163	171	-1.96	10.99	-1.57	-1.17e-03	0.0	2.64e-04
2163	180	-10.53	3.09	-1.50	-8.05e-04	0.0	-4.31e-04
2163	183	-9.52	7.63	-1.71	-1.05e-03	0.0	-1.57e-04
2163	203	-1.90	11.17	-1.58	-1.18e-03	0.0	2.74e-04
2163	212	-12.24	3.45	-1.59	-8.39e-04	0.0	-5.02e-04
2163	215	-11.04	8.86	-1.84	-1.14e-03	0.0	-1.73e-04
2163	235	-2.15	13.15	-1.69	-1.29e-03	0.0	3.39e-04
2163	264	-1.02	0.42	-1.08	-6.19e-04	0.0	-6.19e-05
2163	268	-0.45	1.03	-1.22	-7.63e-04	0.0	-8.41e-05
2163	276	-0.38	1.21	-1.10	-6.55e-04	0.0	-5.96e-05
2163	298	-0.38	0.50	-0.99	-6.10e-04	0.0	-7.26e-05
2163	305	-0.48	0.45	-0.95	-5.69e-04	0.0	-6.43e-05
2163	307	-0.36	0.61	-0.95	-5.76e-04	0.0	-6.39e-05
2163	310	-0.36	0.47	-0.94	-5.70e-04	0.0	-6.56e-05
2164	44	-1.46	0.63	-1.51	-3.38e-04	0.0	5.18e-05
2164	52	-0.57	1.57	-1.71	-4.41e-04	0.0	4.33e-05
2164	68	-0.47	1.86	-1.55	-4.04e-04	0.0	4.21e-05
2164	116	-9.76	3.05	-1.42	-3.66e-04	0.0	-2.61e-04
2164	119	-8.84	7.11	-1.60	-6.05e-04	0.0	-2.38e-05
2164	139	-1.77	10.13	-1.47	-7.74e-04	0.0	3.42e-04
2164	148	-10.93	3.34	-1.48	-3.83e-04	0.0	-2.98e-04
2164	151	-9.88	7.93	-1.68	-6.54e-04	0.0	-2.93e-05
2164	171	-1.94	11.38	-1.54	-8.47e-04	0.0	3.84e-04
2164	180	-10.78	3.18	-1.46	-3.73e-04	0.0	-3.06e-04
2164	183	-9.73	7.88	-1.67	-6.51e-04	0.0	-2.84e-05
2164	203	-1.88	11.56	-1.55	-8.58e-04	0.0	3.95e-04
2164	212	-12.54	3.54	-1.55	-3.95e-04	0.0	-3.70e-04
2164	215	-11.29	9.15	-1.80	-7.26e-04	0.0	-3.76e-05
2164	235	-2.12	13.61	-1.66	-9.77e-04	0.0	4.66e-04
2164	264	-0.99	0.44	-1.06	-2.36e-04	0.0	3.60e-05
2164	268	-0.40	1.07	-1.19	-3.04e-04	0.0	3.03e-05
2164	276	-0.33	1.26	-1.08	-2.79e-04	0.0	2.95e-05
2164	298	-0.34	0.53	-0.96	-2.29e-04	0.0	2.19e-05
2164	305	-0.45	0.47	-0.93	-2.14e-04	0.0	2.32e-05
2164	307	-0.32	0.64	-0.93	-2.23e-04	0.0	2.19e-05
2164	310	-0.32	0.49	-0.92	-2.15e-04	0.0	2.12e-05
2165	43	-1.48	0.66	-1.38	-1.91e-04	0.0	5.61e-05
2165	52	-0.56	1.69	-1.70	-2.84e-04	0.0	5.63e-05
2165	68	-0.46	1.98	-1.54	-2.75e-04	0.0	5.29e-05
2165	116	-10.03	3.17	-1.40	-2.70e-04	0.0	-2.59e-04
2165	119	-9.07	7.36	-1.58	-5.07e-04	0.0	2.17e-06
2165	139	-1.79	10.47	-1.46	-6.80e-04	0.0	4.01e-04
2165	148	-11.23	3.48	-1.46	-2.86e-04	0.0	-2.96e-04
2165	151	-10.15	8.21	-1.66	-5.54e-04	0.0	0.0
2165	171	-1.97	11.76	-1.53	-7.51e-04	0.0	4.50e-04
2165	180	-11.08	3.31	-1.45	-2.76e-04	0.0	-3.06e-04
2165	183	-9.98	8.15	-1.65	-5.52e-04	0.0	0.0
2165	203	-1.90	11.95	-1.53	-7.62e-04	0.0	4.62e-04
2165	212	-12.89	3.68	-1.53	-2.95e-04	0.0	-3.72e-04
2165	215	-11.59	9.46	-1.77	-6.24e-04	0.0	-6.49e-06
2165	235	-2.15	14.06	-1.64	-8.79e-04	0.0	5.44e-04
2165	263	-1.00	0.47	-0.98	-1.34e-04	0.0	3.92e-05
2165	268	-0.38	1.15	-1.18	-1.96e-04	0.0	3.93e-05
2165	276	-0.32	1.34	-1.08	-1.90e-04	0.0	3.71e-05
2165	298	-0.33	0.58	-0.96	-1.39e-04	0.0	2.89e-05
2165	305	-0.44	0.52	-0.92	-1.30e-04	0.0	2.98e-05
2165	307	-0.31	0.69	-0.92	-1.39e-04	0.0	2.84e-05
2165	310	-0.31	0.55	-0.92	-1.31e-04	0.0	2.77e-05
2166	44	-1.44	0.81	-0.99	0.0	-1.47e-04	3.92e-05
2166	52	-0.49	1.82	-1.10	0.0	-1.06e-04	3.30e-05

2166	68	-0.41	2.10	-1.00	0.0	-9.12e-05	2.66e-05
2166	116	-11.15	3.29	-0.84	0.0	-5.43e-04	-3.97e-04
2166	119	-9.89	7.60	-0.91	0.0	-4.74e-04	-2.26e-04
2166	139	-1.71	10.79	-0.86	0.0	-1.04e-04	1.16e-04
2166	148	-12.49	3.60	-0.86	0.0	-6.03e-04	-4.49e-04
2166	151	-11.07	8.47	-0.95	0.0	-5.25e-04	-2.56e-04
2166	171	-1.88	12.12	-0.89	0.0	-1.08e-04	1.30e-04
2166	180	-12.35	3.43	-0.86	0.0	-5.97e-04	-4.48e-04
2166	183	-10.89	8.41	-0.95	0.0	-5.16e-04	-2.50e-04
2166	203	-1.80	12.31	-0.89	0.0	-1.04e-04	1.34e-04
2166	212	-14.40	3.81	-0.89	0.0	-6.89e-04	-5.32e-04
2166	215	-12.65	9.76	-1.00	0.0	-5.92e-04	-2.95e-04
2166	235	-2.02	14.48	-0.94	0.0	-1.09e-04	1.57e-04
2166	264	-0.97	0.57	-0.70	0.0	-1.01e-04	2.65e-05
2166	268	-0.34	1.24	-0.77	0.0	-7.36e-05	2.24e-05
2166	276	-0.29	1.43	-0.70	0.0	-6.41e-05	1.81e-05
2166	298	-0.29	0.64	-0.65	0.0	-6.15e-05	1.83e-05
2166	305	-0.41	0.58	-0.63	0.0	-6.56e-05	1.88e-05
2166	307	-0.27	0.75	-0.63	0.0	-5.81e-05	1.71e-05
2166	310	-0.28	0.60	-0.62	0.0	-5.87e-05	1.65e-05
2167	44	-1.51	0.90	-0.99	0.0	-1.43e-04	4.06e-05
2167	52	-0.55	1.94	-1.10	0.0	-1.01e-04	3.39e-05
2167	68	-0.46	2.23	-1.00	0.0	-8.71e-05	2.83e-05
2167	116	-11.38	3.42	-0.84	0.0	-4.32e-04	-3.95e-04
2167	119	-10.09	7.84	-0.91	0.0	-3.72e-04	-2.19e-04
2167	139	-1.76	11.12	-0.86	0.0	-8.18e-05	1.24e-04
2167	148	-12.75	3.74	-0.86	0.0	-4.78e-04	-4.46e-04
2167	151	-11.29	8.74	-0.95	0.0	-4.11e-04	-2.48e-04
2167	171	-1.93	12.47	-0.89	0.0	-8.43e-05	1.38e-04
2167	180	-12.61	3.56	-0.86	0.0	-4.74e-04	-4.46e-04
2167	183	-11.11	8.67	-0.95	0.0	-4.04e-04	-2.43e-04
2167	203	-1.84	12.68	-0.89	0.0	-8.01e-05	1.42e-04
2167	212	-14.69	3.95	-0.89	0.0	-5.45e-04	-5.30e-04
2167	215	-12.91	10.06	-1.00	0.0	-4.62e-04	-2.87e-04
2167	235	-2.06	14.90	-0.94	0.0	-8.20e-05	1.67e-04
2167	264	-1.02	0.63	-0.70	0.0	-9.86e-05	2.76e-05
2167	268	-0.38	1.33	-0.77	0.0	-7.04e-05	2.31e-05
2167	276	-0.32	1.52	-0.70	0.0	-6.13e-05	1.94e-05
2167	298	-0.32	0.70	-0.65	0.0	-5.88e-05	1.84e-05
2167	305	-0.44	0.64	-0.63	0.0	-6.31e-05	1.90e-05
2167	307	-0.30	0.81	-0.63	0.0	-5.56e-05	1.74e-05
2167	310	-0.31	0.66	-0.62	0.0	-5.62e-05	1.68e-05
2168	44	-1.46	0.80	-1.09	0.0	-1.48e-04	3.53e-05
2168	52	-0.51	1.81	-1.22	0.0	-1.06e-04	3.18e-05
2168	68	-0.43	2.10	-1.10	0.0	-9.23e-05	2.26e-05
2168	116	-10.96	3.29	-0.96	0.0	-5.42e-04	-4.33e-04
2168	119	-9.77	7.60	-1.04	0.0	-4.78e-04	-2.60e-04
2168	139	-1.75	10.79	-0.96	0.0	-1.10e-04	1.08e-04
2168	148	-12.28	3.60	-0.99	0.0	-6.02e-04	-4.90e-04
2168	151	-10.94	8.47	-1.09	0.0	-5.29e-04	-2.94e-04
2168	171	-1.92	12.12	-1.00	0.0	-1.15e-04	1.21e-04
2168	180	-12.14	3.43	-0.98	0.0	-5.95e-04	-4.89e-04
2168	183	-10.76	8.41	-1.08	0.0	-5.20e-04	-2.89e-04
2168	203	-1.84	12.31	-1.00	0.0	-1.11e-04	1.25e-04
2168	212	-14.15	3.81	-1.03	0.0	-6.87e-04	-5.80e-04
2168	215	-12.50	9.76	-1.15	0.0	-5.97e-04	-3.40e-04
2168	235	-2.07	14.48	-1.06	0.0	-1.17e-04	1.47e-04
2168	264	-0.99	0.56	-0.76	0.0	-1.02e-04	2.35e-05
2168	268	-0.35	1.24	-0.85	0.0	-7.40e-05	2.11e-05
2168	276	-0.30	1.43	-0.77	0.0	-6.49e-05	1.50e-05
2168	298	-0.30	0.64	-0.71	0.0	-6.14e-05	1.86e-05
2168	305	-0.42	0.58	-0.68	0.0	-6.56e-05	1.85e-05
2168	307	-0.28	0.75	-0.69	0.0	-5.82e-05	1.68e-05
2168	310	-0.29	0.60	-0.68	0.0	-5.88e-05	1.62e-05
2169	44	-1.53	0.90	-1.09	0.0	-1.44e-04	2.88e-05
2169	52	-0.56	1.94	-1.21	0.0	-1.00e-04	2.32e-05
2169	68	-0.47	2.22	-1.10	0.0	-8.79e-05	1.61e-05
2169	116	-11.20	3.42	-0.95	0.0	-4.42e-04	-4.30e-04
2169	119	-9.98	7.84	-1.04	0.0	-3.85e-04	-2.55e-04
2169	139	-1.80	11.12	-0.96	0.0	-8.79e-05	1.09e-04
2169	148	-12.55	3.74	-0.99	0.0	-4.90e-04	-4.86e-04
2169	151	-11.17	8.73	-1.09	0.0	-4.25e-04	-2.87e-04
2169	171	-1.97	12.47	-1.00	0.0	-9.13e-05	1.22e-04
2169	180	-12.40	3.56	-0.98	0.0	-4.85e-04	-4.85e-04
2169	183	-10.99	8.67	-1.08	0.0	-4.18e-04	-2.82e-04

2169	203	-1.89	12.68	-1.00	0.0	-8.72e-05	1.26e-04
2169	212	-14.44	3.95	-1.03	0.0	-5.58e-04	-5.75e-04
2169	215	-12.76	10.06	-1.15	0.0	-4.78e-04	-3.32e-04
2169	235	-2.12	14.90	-1.06	0.0	-9.05e-05	1.49e-04
2169	264	-1.04	0.63	-0.76	0.0	-9.91e-05	1.90e-05
2169	268	-0.39	1.32	-0.85	0.0	-7.01e-05	1.53e-05
2169	276	-0.33	1.51	-0.77	0.0	-6.19e-05	1.06e-05
2169	298	-0.33	0.70	-0.71	0.0	-5.80e-05	1.34e-05
2169	305	-0.45	0.63	-0.68	0.0	-6.25e-05	1.37e-05
2169	307	-0.31	0.81	-0.69	0.0	-5.50e-05	1.21e-05
2169	310	-0.32	0.66	-0.68	0.0	-5.57e-05	1.15e-05
2170	44	-1.48	0.80	-1.20	0.0	-1.38e-04	2.51e-05
2170	52	-0.53	1.81	-1.34	0.0	-9.36e-05	2.36e-05
2170	68	-0.44	2.10	-1.21	0.0	-8.18e-05	1.20e-05
2170	116	-10.75	3.29	-1.08	0.0	-5.36e-04	-4.82e-04
2170	119	-9.63	7.60	-1.18	0.0	-4.74e-04	-3.07e-04
2170	139	-1.78	10.79	-1.07	0.0	-1.06e-04	9.37e-05
2170	148	-12.05	3.60	-1.12	0.0	-5.96e-04	-5.44e-04
2170	151	-10.78	8.47	-1.23	0.0	-5.26e-04	-3.46e-04
2170	171	-1.95	12.12	-1.11	0.0	-1.12e-04	1.05e-04
2170	180	-11.90	3.43	-1.11	0.0	-5.89e-04	-5.43e-04
2170	183	-10.61	8.41	-1.23	0.0	-5.17e-04	-3.40e-04
2170	203	-1.88	12.31	-1.11	0.0	-1.07e-04	1.10e-04
2170	212	-13.86	3.81	-1.17	0.0	-6.81e-04	-6.42e-04
2170	215	-12.32	9.76	-1.31	0.0	-5.94e-04	-3.99e-04
2170	235	-2.11	14.48	-1.18	0.0	-1.14e-04	1.29e-04
2170	264	-1.00	0.56	-0.84	0.0	-9.49e-05	1.60e-05
2170	268	-0.36	1.24	-0.93	0.0	-6.55e-05	1.50e-05
2170	276	-0.31	1.43	-0.85	0.0	-5.77e-05	7.26e-06
2170	298	-0.31	0.64	-0.77	0.0	-5.43e-05	1.52e-05
2170	305	-0.43	0.58	-0.74	0.0	-5.89e-05	1.45e-05
2170	307	-0.29	0.75	-0.75	0.0	-5.15e-05	1.28e-05
2170	310	-0.30	0.60	-0.74	0.0	-5.21e-05	1.22e-05
2171	44	-1.54	0.89	-1.20	0.0	-1.41e-04	-2.59e-06
2171	52	-0.57	1.94	-1.34	0.0	-9.53e-05	-8.50e-06
2171	68	-0.48	2.22	-1.21	0.0	-8.55e-05	-1.61e-05
2171	116	-10.99	3.42	-1.08	0.0	-4.61e-04	-4.88e-04
2171	119	-9.84	7.84	-1.18	0.0	-4.05e-04	-3.14e-04
2171	139	-1.83	11.12	-1.07	0.0	-9.32e-05	7.44e-05
2171	148	-12.31	3.73	-1.12	0.0	-5.11e-04	-5.48e-04
2171	151	-11.01	8.73	-1.24	0.0	-4.48e-04	-3.52e-04
2171	171	-2.00	12.48	-1.11	0.0	-9.76e-05	8.53e-05
2171	180	-12.16	3.55	-1.11	0.0	-5.06e-04	-5.47e-04
2171	183	-10.84	8.67	-1.23	0.0	-4.41e-04	-3.46e-04
2171	203	-1.93	12.68	-1.11	0.0	-9.35e-05	8.94e-05
2171	212	-14.17	3.95	-1.17	0.0	-5.83e-04	-6.44e-04
2171	215	-12.58	10.06	-1.31	0.0	-5.05e-04	-4.04e-04
2171	235	-2.17	14.90	-1.18	0.0	-9.85e-05	1.09e-04
2171	264	-1.05	0.62	-0.84	0.0	-9.76e-05	-3.31e-06
2171	268	-0.40	1.32	-0.93	0.0	-6.70e-05	-7.25e-06
2171	276	-0.34	1.51	-0.85	0.0	-6.05e-05	-1.23e-05
2171	298	-0.34	0.70	-0.77	0.0	-5.45e-05	-2.86e-06
2171	305	-0.46	0.63	-0.74	0.0	-5.96e-05	-2.59e-06
2171	307	-0.32	0.81	-0.75	0.0	-5.22e-05	-4.39e-06
2171	310	-0.32	0.66	-0.74	0.0	-5.28e-05	-4.86e-06
2172	44	-1.48	0.80	-1.35	0.0	-1.03e-04	1.65e-05
2172	52	-0.53	1.81	-1.51	0.0	-5.46e-05	1.60e-05
2172	68	-0.44	2.10	-1.37	0.0	-4.70e-05	3.17e-06
2172	116	-10.52	3.29	-1.24	0.0	-5.16e-04	-5.30e-04
2172	119	-9.46	7.60	-1.36	0.0	-4.52e-04	-3.53e-04
2172	139	-1.80	10.79	-1.22	0.0	-7.96e-05	7.94e-05
2172	148	-11.78	3.60	-1.29	0.0	-5.76e-04	-5.98e-04
2172	151	-10.59	8.47	-1.43	0.0	-5.04e-04	-3.98e-04
2172	171	-1.97	12.12	-1.27	0.0	-8.48e-05	8.94e-05
2172	180	-11.63	3.43	-1.28	0.0	-5.68e-04	-5.96e-04
2172	183	-10.42	8.41	-1.42	0.0	-4.95e-04	-3.91e-04
2172	203	-1.90	12.31	-1.28	0.0	-7.99e-05	9.43e-05
2172	212	-13.54	3.81	-1.35	0.0	-6.60e-04	-7.04e-04
2172	215	-12.10	9.76	-1.52	0.0	-5.72e-04	-4.58e-04
2172	235	-2.15	14.48	-1.36	0.0	-8.58e-05	1.12e-04
2172	264	-1.00	0.56	-0.95	0.0	-7.10e-05	9.69e-06
2172	268	-0.37	1.24	-1.06	0.0	-3.84e-05	9.37e-06
2172	276	-0.31	1.43	-0.96	0.0	-3.34e-05	0.0
2172	298	-0.32	0.64	-0.86	0.0	-3.26e-05	1.16e-05
2172	305	-0.44	0.58	-0.83	0.0	-3.82e-05	1.08e-05

2172	307	-0.30	0.75	-0.83	0.0	-3.07e-05	8.98e-06
2172	310	-0.30	0.60	-0.83	0.0	-3.15e-05	8.40e-06
2173	44	-1.53	0.89	-1.36	0.0	-1.25e-04	-4.18e-05
2173	52	-0.55	1.93	-1.52	0.0	-7.54e-05	-4.92e-05
2173	68	-0.46	2.21	-1.38	0.0	-6.96e-05	-5.63e-05
2173	116	-10.75	3.42	-1.24	0.0	-4.80e-04	-5.45e-04
2173	119	-9.67	7.84	-1.36	0.0	-4.22e-04	-3.71e-04
2173	139	-1.83	11.12	-1.23	0.0	-8.48e-05	4.30e-05
2173	148	-12.04	3.73	-1.29	0.0	-5.34e-04	-6.10e-04
2173	151	-10.81	8.73	-1.43	0.0	-4.68e-04	-4.13e-04
2173	171	-2.01	12.47	-1.28	0.0	-8.95e-05	5.27e-05
2173	180	-11.89	3.55	-1.28	0.0	-5.27e-04	-6.08e-04
2173	183	-10.64	8.67	-1.42	0.0	-4.60e-04	-4.07e-04
2173	203	-1.93	12.68	-1.28	0.0	-8.50e-05	5.69e-05
2173	212	-13.84	3.95	-1.35	0.0	-6.10e-04	-7.12e-04
2173	215	-12.36	10.05	-1.52	0.0	-5.29e-04	-4.71e-04
2173	235	-2.18	14.90	-1.36	0.0	-9.01e-05	7.41e-05
2173	264	-1.03	0.62	-0.95	0.0	-8.68e-05	-3.11e-05
2173	268	-0.38	1.32	-1.06	0.0	-5.35e-05	-3.61e-05
2173	276	-0.32	1.51	-0.97	0.0	-4.96e-05	-4.08e-05
2173	298	-0.33	0.69	-0.87	0.0	-4.29e-05	-2.41e-05
2173	305	-0.45	0.63	-0.84	0.0	-4.88e-05	-2.36e-05
2173	307	-0.31	0.81	-0.84	0.0	-4.14e-05	-2.56e-05
2173	310	-0.31	0.65	-0.83	0.0	-4.21e-05	-2.59e-05
2174	43	-1.50	0.74	-1.39	-1.64e-04	0.0	5.76e-05
2174	52	-0.54	1.81	-1.70	-2.51e-04	0.0	5.92e-05
2174	68	-0.44	2.10	-1.55	-2.47e-04	0.0	5.66e-05
2174	116	-10.26	3.29	-1.40	-2.47e-04	0.0	-2.67e-04
2174	119	-9.27	7.60	-1.58	-4.82e-04	0.0	-3.52e-06
2174	139	-1.81	10.79	-1.46	-6.52e-04	0.0	4.01e-04
2174	148	-11.49	3.60	-1.46	-2.63e-04	0.0	-3.06e-04
2174	151	-10.37	8.47	-1.66	-5.28e-04	0.0	-7.51e-06
2174	171	-1.98	12.12	-1.53	-7.22e-04	0.0	4.50e-04
2174	180	-11.34	3.43	-1.44	-2.53e-04	0.0	-3.15e-04
2174	183	-10.21	8.41	-1.65	-5.25e-04	0.0	-7.07e-06
2174	203	-1.92	12.32	-1.53	-7.32e-04	0.0	4.62e-04
2174	212	-13.20	3.81	-1.53	-2.72e-04	0.0	-3.83e-04
2174	215	-11.85	9.76	-1.77	-5.96e-04	0.0	-1.41e-05
2174	235	-2.17	14.48	-1.64	-8.47e-04	0.0	5.44e-04
2174	263	-1.01	0.52	-0.98	-1.15e-04	0.0	4.05e-05
2174	268	-0.38	1.24	-1.19	-1.73e-04	0.0	4.15e-05
2174	276	-0.31	1.43	-1.09	-1.71e-04	0.0	3.98e-05
2174	298	-0.33	0.64	-0.96	-1.20e-04	0.0	3.00e-05
2174	305	-0.44	0.58	-0.92	-1.13e-04	0.0	3.11e-05
2174	307	-0.30	0.75	-0.93	-1.22e-04	0.0	2.96e-05
2174	310	-0.30	0.60	-0.92	-1.14e-04	0.0	2.90e-05
2175	43	-1.51	0.81	-1.40	-1.65e-04	0.0	7.01e-05
2175	52	-0.53	1.93	-1.73	-2.53e-04	0.0	7.74e-05
2175	68	-0.43	2.21	-1.58	-2.51e-04	0.0	7.53e-05
2175	116	-10.49	3.41	-1.41	-2.47e-04	0.0	-2.73e-04
2175	119	-9.47	7.83	-1.58	-4.78e-04	0.0	-2.27e-05
2175	139	-1.82	11.11	-1.47	-6.45e-04	0.0	3.65e-04
2175	148	-11.75	3.73	-1.46	-2.62e-04	0.0	-3.13e-04
2175	151	-10.60	8.73	-1.66	-5.24e-04	0.0	-3.01e-05
2175	171	-2.00	12.47	-1.54	-7.14e-04	0.0	4.09e-04
2175	180	-11.60	3.55	-1.45	-2.53e-04	0.0	-3.21e-04
2175	183	-10.43	8.67	-1.65	-5.21e-04	0.0	-2.88e-05
2175	203	-1.93	12.67	-1.54	-7.24e-04	0.0	4.20e-04
2175	212	-13.50	3.94	-1.53	-2.71e-04	0.0	-3.91e-04
2175	215	-12.11	10.05	-1.78	-5.91e-04	0.0	-4.09e-05
2175	235	-2.19	14.90	-1.65	-8.37e-04	0.0	4.92e-04
2175	263	-1.02	0.57	-0.99	-1.16e-04	0.0	4.98e-05
2175	268	-0.36	1.31	-1.21	-1.75e-04	0.0	5.47e-05
2175	276	-0.30	1.50	-1.11	-1.73e-04	0.0	5.32e-05
2175	298	-0.32	0.69	-0.97	-1.21e-04	0.0	3.90e-05
2175	305	-0.44	0.63	-0.94	-1.14e-04	0.0	4.03e-05
2175	307	-0.29	0.80	-0.94	-1.23e-04	0.0	3.87e-05
2175	310	-0.30	0.65	-0.93	-1.15e-04	0.0	3.81e-05
2176	44	-1.58	1.01	-0.99	0.0	-1.38e-04	4.11e-05
2176	52	-0.59	2.08	-1.10	0.0	-9.52e-05	3.32e-05
2176	68	-0.50	2.36	-1.00	0.0	-8.21e-05	2.90e-05
2176	116	-11.56	3.55	-0.84	0.0	-3.49e-04	-3.85e-04
2176	119	-10.24	8.08	-0.91	0.0	-2.96e-04	-2.07e-04
2176	139	-1.79	11.44	-0.86	0.0	-6.39e-05	1.30e-04
2176	148	-12.95	3.88	-0.86	0.0	-3.86e-04	-4.35e-04

2176	151	-11.46	9.00	-0.95	0.0	-3.26e-04	-2.34e-04
2176	171	-1.96	12.83	-0.89	0.0	-6.46e-05	1.45e-04
2176	180	-12.80	3.69	-0.86	0.0	-3.83e-04	-4.35e-04
2176	183	-11.27	8.94	-0.95	0.0	-3.20e-04	-2.29e-04
2176	203	-1.88	13.04	-0.89	0.0	-6.09e-05	1.49e-04
2176	212	-14.91	4.09	-0.89	0.0	-4.40e-04	-5.17e-04
2176	215	-13.09	10.35	-1.00	0.0	-3.65e-04	-2.70e-04
2176	235	-2.10	15.32	-0.94	0.0	-6.03e-05	1.75e-04
2176	264	-1.07	0.71	-0.70	0.0	-9.52e-05	2.81e-05
2176	268	-0.41	1.42	-0.77	0.0	-6.65e-05	2.28e-05
2176	276	-0.35	1.61	-0.70	0.0	-5.78e-05	2.00e-05
2176	298	-0.35	0.77	-0.65	0.0	-5.58e-05	1.76e-05
2176	305	-0.47	0.70	-0.63	0.0	-6.01e-05	1.85e-05
2176	307	-0.33	0.88	-0.63	0.0	-5.26e-05	1.68e-05
2176	310	-0.34	0.73	-0.62	0.0	-5.33e-05	1.62e-05
2177	44	-1.65	1.14	-0.99	-3.24e-04	-1.28e-04	3.82e-05
2177	52	-0.64	2.25	-1.10	-3.55e-04	-8.74e-05	2.85e-05
2177	68	-0.54	2.53	-1.00	-3.35e-04	-7.60e-05	2.63e-05
2177	116	-11.69	3.70	-0.84	-2.87e-04	-3.56e-04	-3.73e-04
2177	119	-10.35	8.33	-0.91	-3.26e-04	-2.94e-04	-1.94e-04
2177	139	-1.82	11.75	-0.86	-3.01e-04	-4.89e-05	1.32e-04
2177	148	-13.10	4.03	-0.86	-2.99e-04	-3.94e-04	-4.22e-04
2177	151	-11.58	9.26	-0.95	-3.44e-04	-3.24e-04	-2.19e-04
2177	171	-1.99	13.17	-0.89	-3.16e-04	-4.82e-05	1.48e-04
2177	180	-12.95	3.84	-0.86	-2.96e-04	-3.92e-04	-4.22e-04
2177	183	-11.40	9.20	-0.94	-3.42e-04	-3.18e-04	-2.15e-04
2177	203	-1.90	13.38	-0.89	-3.17e-04	-4.40e-05	1.52e-04
2177	212	-15.09	4.25	-0.89	-3.15e-04	-4.51e-04	-5.02e-04
2177	215	-13.23	10.65	-1.00	-3.68e-04	-3.63e-04	-2.53e-04
2177	235	-2.12	15.71	-0.94	-3.41e-04	-4.09e-05	1.79e-04
2177	264	-1.12	0.80	-0.69	-2.29e-04	-8.83e-05	2.63e-05
2177	268	-0.44	1.54	-0.77	-2.49e-04	-6.11e-05	1.97e-05
2177	276	-0.38	1.73	-0.70	-2.36e-04	-5.36e-05	1.83e-05
2177	298	-0.38	0.85	-0.65	-1.88e-04	-5.11e-05	1.44e-05
2177	305	-0.50	0.78	-0.62	-1.83e-04	-5.53e-05	1.57e-05
2177	307	-0.36	0.97	-0.63	-1.85e-04	-4.83e-05	1.41e-05
2177	310	-0.36	0.81	-0.62	-1.82e-04	-4.91e-05	1.35e-05
2178	44	-1.60	1.00	-1.09	0.0	-1.37e-04	3.00e-05
2178	52	-0.61	2.07	-1.21	0.0	-9.24e-05	2.24e-05
2178	68	-0.52	2.36	-1.10	0.0	-8.13e-05	1.76e-05
2178	116	-11.38	3.55	-0.95	0.0	-3.66e-04	-4.06e-04
2178	119	-10.14	8.08	-1.04	0.0	-3.14e-04	-2.28e-04
2178	139	-1.84	11.44	-0.96	0.0	-6.85e-05	1.20e-04
2178	148	-12.75	3.87	-0.99	0.0	-4.05e-04	-4.59e-04
2178	151	-11.34	9.00	-1.09	0.0	-3.46e-04	-2.57e-04
2178	171	-2.01	12.83	-1.00	0.0	-7.00e-05	1.34e-04
2178	180	-12.60	3.69	-0.98	0.0	-4.01e-04	-4.58e-04
2178	183	-11.16	8.94	-1.08	0.0	-3.40e-04	-2.52e-04
2178	203	-1.93	13.04	-1.00	0.0	-6.63e-05	1.38e-04
2178	212	-14.68	4.09	-1.03	0.0	-4.61e-04	-5.44e-04
2178	215	-12.96	10.35	-1.15	0.0	-3.88e-04	-2.96e-04
2178	235	-2.16	15.32	-1.06	0.0	-6.69e-05	1.64e-04
2178	264	-1.09	0.70	-0.76	0.0	-9.46e-05	2.01e-05
2178	268	-0.43	1.42	-0.85	0.0	-6.48e-05	1.50e-05
2178	276	-0.36	1.61	-0.77	0.0	-5.74e-05	1.18e-05
2178	298	-0.36	0.76	-0.71	0.0	-5.36e-05	1.22e-05
2178	305	-0.48	0.70	-0.68	0.0	-5.83e-05	1.29e-05
2178	307	-0.34	0.88	-0.68	0.0	-5.09e-05	1.13e-05
2178	310	-0.34	0.72	-0.68	0.0	-5.16e-05	1.07e-05
2179	44	-1.67	1.15	-1.08	-4.55e-04	-1.28e-04	3.97e-05
2179	52	-0.65	2.25	-1.21	-4.87e-04	-8.74e-05	3.01e-05
2179	68	-0.55	2.53	-1.09	-4.66e-04	-7.60e-05	2.78e-05
2179	116	-11.53	3.70	-0.95	-3.69e-04	-3.56e-04	-3.72e-04
2179	119	-10.26	8.33	-1.04	-4.11e-04	-2.94e-04	-1.93e-04
2179	139	-1.86	11.75	-0.96	-3.78e-04	-4.89e-05	1.33e-04
2179	148	-12.91	4.03	-0.98	-3.84e-04	-3.94e-04	-4.21e-04
2179	151	-11.48	9.27	-1.08	-4.31e-04	-3.24e-04	-2.18e-04
2179	171	-2.04	13.17	-0.99	-3.95e-04	-4.82e-05	1.49e-04
2179	180	-12.76	3.84	-0.98	-3.80e-04	-3.92e-04	-4.21e-04
2179	183	-11.29	9.20	-1.08	-4.29e-04	-3.18e-04	-2.13e-04
2179	203	-1.95	13.39	-0.99	-3.96e-04	-4.40e-05	1.53e-04
2179	212	-14.86	4.25	-1.02	-4.01e-04	-4.51e-04	-5.01e-04
2179	215	-13.11	10.65	-1.14	-4.59e-04	-3.63e-04	-2.52e-04
2179	235	-2.19	15.71	-1.05	-4.22e-04	-4.09e-05	1.80e-04
2179	264	-1.13	0.80	-0.76	-3.22e-04	-8.83e-05	2.73e-05

2179	268	-0.45	1.54	-0.84	-3.43e-04	-6.11e-05	2.09e-05
2179	276	-0.39	1.73	-0.77	-3.29e-04	-5.36e-05	1.94e-05
2179	298	-0.39	0.85	-0.70	-2.54e-04	-5.11e-05	1.53e-05
2179	305	-0.51	0.78	-0.68	-2.48e-04	-5.53e-05	1.66e-05
2179	307	-0.36	0.97	-0.68	-2.50e-04	-4.83e-05	1.50e-05
2179	310	-0.37	0.81	-0.68	-2.48e-04	-4.91e-05	1.44e-05
2180	28	-1.09	1.36	-0.36	-2.31e-04	0.0	5.13e-05
2180	44	-1.42	1.12	-0.34	-2.07e-04	0.0	4.79e-05
2180	68	-0.39	3.09	-0.28	4.17e-04	0.0	-5.67e-04
2180	116	-12.72	2.31	-0.46	-1.17e-04	0.0	-3.95e-04
2180	139	-1.29	12.18	-0.02	-4.10e-04	0.0	-2.06e-04
2180	144	-5.44	-9.65	-0.52	1.48e-04	0.0	1.72e-04
2180	148	-14.27	2.47	-0.49	-1.15e-04	0.0	-4.46e-04
2180	171	-1.40	13.68	2.15e-03	-4.48e-04	0.0	-2.34e-04
2180	176	-6.10	-11.02	-0.56	1.83e-04	0.0	1.90e-04
2180	180	-14.14	2.30	-0.49	-1.11e-04	0.0	-4.37e-04
2180	203	-1.29	13.95	0.01	-4.55e-04	0.0	-2.19e-04
2180	208	-6.10	-11.31	-0.56	1.90e-04	0.0	1.77e-04
2180	212	-16.52	2.46	-0.54	-1.06e-04	0.0	-5.16e-04
2180	235	-1.41	16.41	0.05	-5.18e-04	0.0	-2.55e-04
2180	240	-7.12	-13.59	-0.63	2.48e-04	0.0	2.00e-04
2180	256	-0.74	0.94	-0.26	-1.61e-04	0.0	3.49e-05
2180	264	-0.96	0.78	-0.25	-1.46e-04	0.0	3.26e-05
2180	276	-0.27	2.10	-0.21	2.71e-04	0.0	-3.77e-04
2180	298	-0.29	0.79	-0.22	-1.27e-04	0.0	2.42e-05
2180	305	-0.41	0.73	-0.22	-1.21e-04	0.0	2.42e-05
2180	307	-0.27	1.00	-0.21	-3.79e-05	0.0	-5.78e-05
2180	310	-0.28	0.75	-0.22	-1.22e-04	0.0	2.20e-05
2181	44	-1.47	1.24	-0.26	-2.24e-04	0.0	3.76e-05
2181	68	-0.42	2.60	-0.21	1.35e-03	0.0	3.12e-05
2181	76	-0.56	1.23	-0.27	-7.36e-04	0.0	2.25e-05
2181	116	-13.03	3.02	-0.26	-3.35e-04	0.0	-3.64e-04
2181	139	-1.30	12.16	-0.03	1.07e-05	0.0	1.67e-04
2181	144	-5.61	-9.34	-0.36	-3.55e-04	0.0	-2.02e-04
2181	148	-14.61	3.26	-0.27	-3.57e-04	0.0	-4.12e-04
2181	171	-1.41	13.63	-0.01	3.03e-05	0.0	1.88e-04
2181	176	-6.29	-10.67	-0.38	-3.82e-04	0.0	-2.30e-04
2181	180	-14.49	3.08	-0.27	-3.39e-04	0.0	-4.13e-04
2181	203	-1.30	13.88	-7.28e-03	3.36e-05	0.0	1.93e-04
2181	208	-6.30	-10.95	-0.39	-3.78e-04	0.0	-2.35e-04
2181	212	-16.93	3.35	-0.29	-3.71e-04	0.0	-4.92e-04
2181	235	-1.40	16.30	0.02	6.53e-05	0.0	2.28e-04
2181	240	-7.35	-13.17	-0.43	-4.20e-04	0.0	-2.82e-04
2181	264	-1.00	0.87	-0.19	-1.57e-04	0.0	2.58e-05
2181	276	-0.29	1.78	-0.16	8.92e-04	0.0	2.15e-05
2181	280	-0.39	0.86	-0.20	-4.98e-04	0.0	1.57e-05
2181	298	-0.31	0.88	-0.18	-1.45e-04	0.0	1.40e-05
2181	305	-0.43	0.82	-0.18	-1.37e-04	0.0	1.53e-05
2181	307	-0.29	1.00	-0.17	7.31e-05	0.0	1.44e-05
2181	310	-0.30	0.84	-0.18	-1.37e-04	0.0	1.31e-05
2182	28	-1.10	1.34	-0.33	-2.39e-04	0.0	5.16e-05
2182	44	-1.43	1.10	-0.32	-2.12e-04	0.0	4.81e-05
2182	68	-0.40	3.37	-0.26	7.04e-04	0.0	-4.84e-04
2182	116	-12.73	2.44	-0.36	-1.31e-04	0.0	-3.85e-04
2182	139	-1.30	12.24	-0.04	-2.80e-04	0.0	-1.83e-04
2182	144	-5.45	-9.70	-0.44	1.46e-05	0.0	1.53e-04
2182	148	-14.28	2.62	-0.38	-1.30e-04	0.0	-4.35e-04
2182	171	-1.40	13.74	-0.02	-3.00e-04	0.0	-2.08e-04
2182	176	-6.11	-11.07	-0.47	3.27e-05	0.0	1.68e-04
2182	180	-14.16	2.45	-0.39	-1.23e-04	0.0	-4.28e-04
2182	203	-1.29	14.01	-9.20e-03	-3.01e-04	0.0	-1.92e-04
2182	208	-6.12	-11.37	-0.48	3.39e-05	0.0	1.54e-04
2182	212	-16.54	2.63	-0.42	-1.20e-04	0.0	-5.06e-04
2182	235	-1.41	16.49	0.03	-3.33e-04	0.0	-2.23e-04
2182	240	-7.13	-13.66	-0.53	6.35e-05	0.0	1.72e-04
2182	256	-0.75	0.93	-0.24	-1.67e-04	0.0	3.51e-05
2182	264	-0.97	0.77	-0.23	-1.49e-04	0.0	3.27e-05
2182	276	-0.28	2.28	-0.19	4.62e-04	0.0	-3.22e-04
2182	298	-0.30	0.78	-0.21	-1.32e-04	0.0	2.44e-05
2182	305	-0.41	0.72	-0.21	-1.26e-04	0.0	2.43e-05
2182	307	-0.28	1.02	-0.20	-3.36e-06	0.0	-4.67e-05
2182	310	-0.28	0.74	-0.21	-1.26e-04	0.0	2.22e-05
2183	44	-1.44	1.11	-0.26	-2.23e-04	0.0	3.63e-05
2183	68	-0.40	3.27	-0.21	1.33e-03	0.0	5.24e-05
2183	76	-0.54	0.85	-0.27	-7.28e-04	0.0	1.44e-05

2183	116	-12.85	3.12	-0.27	-3.27e-04	0.0	-3.55e-04
2183	139	-1.30	12.11	-0.02	9.89e-06	0.0	1.81e-04
2183	140	-6.05	-7.99	-0.37	-3.73e-04	0.0	-2.99e-04
2183	148	-14.42	3.39	-0.28	-3.49e-04	0.0	-4.01e-04
2183	171	-1.41	13.59	2.77e-03	2.93e-05	0.0	2.03e-04
2183	172	-6.78	-9.15	-0.40	-4.02e-04	0.0	-3.39e-04
2183	180	-14.29	3.20	-0.28	-3.31e-04	0.0	-4.03e-04
2183	203	-1.29	13.83	8.19e-03	3.24e-05	0.0	2.09e-04
2183	204	-6.79	-9.46	-0.40	-3.95e-04	0.0	-3.44e-04
2183	212	-16.70	3.51	-0.30	-3.62e-04	0.0	-4.81e-04
2183	235	-1.41	16.26	0.04	6.36e-05	0.0	2.47e-04
2183	236	-7.94	-11.43	-0.44	-4.40e-04	0.0	-4.09e-04
2183	264	-0.97	0.78	-0.19	-1.56e-04	0.0	2.49e-05
2183	276	-0.28	2.22	-0.16	8.80e-04	0.0	3.56e-05
2183	280	-0.37	0.60	-0.20	-4.92e-04	0.0	1.02e-05
2183	298	-0.30	0.81	-0.18	-1.44e-04	0.0	1.33e-05
2183	305	-0.42	0.74	-0.18	-1.36e-04	0.0	1.46e-05
2183	307	-0.28	1.03	-0.17	7.13e-05	0.0	1.67e-05
2183	310	-0.29	0.76	-0.18	-1.37e-04	0.0	1.24e-05
2184	44	-1.43	1.07	-0.28	-2.18e-04	0.0	4.82e-05
2184	68	-0.40	3.58	-0.24	9.13e-04	0.0	-4.01e-04
2184	76	-0.53	0.66	-0.29	-5.91e-04	0.0	1.72e-04
2184	116	-12.73	2.56	-0.27	-1.59e-04	0.0	-3.75e-04
2184	139	-1.30	12.28	-0.05	-1.01e-04	0.0	-1.70e-04
2184	144	-5.45	-9.73	-0.36	-1.74e-04	0.0	1.43e-04
2184	148	-14.28	2.77	-0.28	-1.61e-04	0.0	-4.24e-04
2184	171	-1.40	13.78	-0.03	-9.68e-05	0.0	-1.92e-04
2184	176	-6.11	-11.10	-0.38	-1.80e-04	0.0	1.57e-04
2184	180	-14.16	2.59	-0.28	-1.52e-04	0.0	-4.18e-04
2184	203	-1.29	14.04	-0.02	-9.89e-05	0.0	-1.77e-04
2184	208	-6.12	-11.40	-0.38	-1.77e-04	0.0	1.43e-04
2184	212	-16.54	2.80	-0.30	-1.52e-04	0.0	-4.95e-04
2184	235	-1.41	16.53	8.62e-03	-9.42e-05	0.0	-2.06e-04
2184	240	-7.13	-13.68	-0.42	-1.84e-04	0.0	1.59e-04
2184	264	-0.97	0.75	-0.20	-1.53e-04	0.0	3.28e-05
2184	276	-0.28	2.42	-0.18	6.01e-04	0.0	-2.67e-04
2184	280	-0.37	0.48	-0.21	-4.01e-04	0.0	1.15e-04
2184	298	-0.30	0.77	-0.19	-1.37e-04	0.0	2.45e-05
2184	305	-0.41	0.71	-0.19	-1.30e-04	0.0	2.44e-05
2184	307	-0.28	1.04	-0.18	2.07e-05	0.0	-3.54e-05
2184	310	-0.28	0.73	-0.19	-1.31e-04	0.0	2.23e-05
2185	28	-1.11	1.47	-0.36	-2.31e-04	0.0	4.50e-05
2185	44	-1.44	1.22	-0.34	-2.07e-04	0.0	4.38e-05
2185	68	-0.40	2.89	-0.28	4.17e-04	0.0	-2.93e-04
2185	116	-12.87	2.35	-0.46	-1.16e-04	0.0	-3.76e-04
2185	139	-1.31	12.38	-0.02	-4.05e-04	0.0	-1.83e-04
2185	144	-5.52	-9.72	-0.52	1.43e-04	0.0	1.51e-04
2185	148	-14.43	2.52	-0.49	-1.15e-04	0.0	-4.25e-04
2185	171	-1.41	13.89	2.02e-03	-4.42e-04	0.0	-2.08e-04
2185	176	-6.18	-11.10	-0.56	1.77e-04	0.0	1.67e-04
2185	180	-14.31	2.35	-0.49	-1.10e-04	0.0	-4.21e-04
2185	203	-1.30	14.16	0.01	-4.49e-04	0.0	-1.99e-04
2185	208	-6.19	-11.40	-0.56	1.84e-04	0.0	1.59e-04
2185	212	-16.72	2.50	-0.55	-1.06e-04	0.0	-4.99e-04
2185	235	-1.42	16.66	0.05	-5.10e-04	0.0	-2.34e-04
2185	240	-7.22	-13.71	-0.63	2.41e-04	0.0	1.81e-04
2185	256	-0.76	1.02	-0.26	-1.61e-04	0.0	3.07e-05
2185	264	-0.98	0.85	-0.25	-1.46e-04	0.0	2.99e-05
2185	276	-0.28	1.97	-0.21	2.70e-04	0.0	-1.95e-04
2185	298	-0.30	0.85	-0.22	-1.27e-04	0.0	2.02e-05
2185	305	-0.42	0.79	-0.22	-1.21e-04	0.0	2.07e-05
2185	307	-0.28	1.02	-0.21	-3.79e-05	0.0	-2.43e-05
2185	310	-0.29	0.81	-0.22	-1.22e-04	0.0	1.85e-05
2186	28	-1.14	1.59	-0.36	-2.30e-04	0.0	3.70e-05
2186	44	-1.48	1.32	-0.34	-2.07e-04	0.0	3.86e-05
2186	68	-0.42	2.67	-0.28	4.26e-04	0.0	-3.93e-05
2186	116	-13.05	2.40	-0.46	-1.15e-04	0.0	-3.66e-04
2186	139	-1.32	12.57	-0.02	-3.96e-04	0.0	1.54e-04
2186	144	-5.61	-9.78	-0.52	1.35e-04	0.0	-1.88e-04
2186	148	-14.63	2.57	-0.49	-1.14e-04	0.0	-4.14e-04
2186	171	-1.42	14.10	2.21e-03	-4.31e-04	0.0	1.73e-04
2186	176	-6.28	-11.18	-0.56	1.68e-04	0.0	-2.15e-04
2186	180	-14.51	2.39	-0.49	-1.09e-04	0.0	-4.15e-04
2186	203	-1.31	14.38	0.01	-4.38e-04	0.0	1.78e-04
2186	208	-6.29	-11.48	-0.56	1.74e-04	0.0	-2.19e-04

2186	212	-16.95	2.54	-0.54	-1.05e-04	0.0	-4.94e-04
2186	235	-1.42	16.90	0.05	-4.98e-04	0.0	2.10e-04
2186	240	-7.34	-13.82	-0.63	2.30e-04	0.0	-2.63e-04
2186	256	-0.78	1.10	-0.26	-1.61e-04	0.0	2.54e-05
2186	264	-1.00	0.93	-0.25	-1.45e-04	0.0	2.64e-05
2186	276	-0.30	1.82	-0.21	2.76e-04	0.0	-2.55e-05
2186	298	-0.31	0.92	-0.22	-1.26e-04	0.0	1.52e-05
2186	305	-0.43	0.85	-0.22	-1.21e-04	0.0	1.63e-05
2186	307	-0.29	1.03	-0.21	-3.64e-05	0.0	5.88e-06
2186	310	-0.30	0.87	-0.22	-1.21e-04	0.0	1.41e-05
2187	28	-1.12	1.45	-0.33	-2.39e-04	0.0	4.47e-05
2187	44	-1.45	1.20	-0.31	-2.12e-04	0.0	4.36e-05
2187	68	-0.40	3.02	-0.26	6.97e-04	0.0	-2.71e-04
2187	116	-12.87	2.48	-0.36	-1.31e-04	0.0	-3.74e-04
2187	139	-1.31	12.37	-0.04	-2.77e-04	0.0	-1.88e-04
2187	144	-5.52	-9.70	-0.44	1.15e-05	0.0	1.56e-04
2187	148	-14.43	2.66	-0.38	-1.30e-04	0.0	-4.23e-04
2187	171	-1.41	13.88	-0.02	-2.96e-04	0.0	-2.13e-04
2187	176	-6.18	-11.08	-0.47	2.91e-05	0.0	1.73e-04
2187	180	-14.31	2.48	-0.39	-1.24e-04	0.0	-4.20e-04
2187	203	-1.30	14.15	-9.06e-03	-2.97e-04	0.0	-2.05e-04
2187	208	-6.19	-11.38	-0.48	3.01e-05	0.0	1.66e-04
2187	212	-16.72	2.66	-0.42	-1.20e-04	0.0	-4.98e-04
2187	235	-1.42	16.64	0.03	-3.29e-04	0.0	-2.42e-04
2187	240	-7.22	-13.68	-0.53	5.91e-05	0.0	1.90e-04
2187	256	-0.76	1.01	-0.24	-1.67e-04	0.0	3.05e-05
2187	264	-0.98	0.84	-0.23	-1.49e-04	0.0	2.97e-05
2187	276	-0.28	2.05	-0.19	4.57e-04	0.0	-1.80e-04
2187	298	-0.30	0.85	-0.21	-1.32e-04	0.0	2.00e-05
2187	305	-0.42	0.78	-0.21	-1.26e-04	0.0	2.05e-05
2187	307	-0.28	1.03	-0.20	-4.31e-06	0.0	-2.14e-05
2187	310	-0.29	0.80	-0.21	-1.26e-04	0.0	1.83e-05
2188	28	-1.14	1.57	-0.33	-2.39e-04	0.0	3.71e-05
2188	44	-1.47	1.31	-0.31	-2.12e-04	0.0	3.86e-05
2188	68	-0.42	2.66	-0.26	7.07e-04	0.0	-3.63e-05
2188	116	-13.04	2.51	-0.36	-1.31e-04	0.0	-3.66e-04
2188	139	-1.31	12.49	-0.04	-2.74e-04	0.0	1.53e-04
2188	144	-5.61	-9.70	-0.44	9.07e-06	0.0	-1.87e-04
2188	148	-14.63	2.69	-0.38	-1.31e-04	0.0	-4.14e-04
2188	171	-1.42	14.01	-0.02	-2.93e-04	0.0	1.71e-04
2188	176	-6.28	-11.08	-0.47	2.64e-05	0.0	-2.13e-04
2188	180	-14.50	2.52	-0.39	-1.24e-04	0.0	-4.15e-04
2188	203	-1.31	14.28	-9.05e-03	-2.94e-04	0.0	1.76e-04
2188	208	-6.29	-11.38	-0.48	2.73e-05	0.0	-2.17e-04
2188	212	-16.94	2.69	-0.42	-1.21e-04	0.0	-4.94e-04
2188	235	-1.42	16.79	0.03	-3.25e-04	0.0	2.07e-04
2188	240	-7.34	-13.70	-0.53	5.56e-05	0.0	-2.61e-04
2188	256	-0.78	1.09	-0.24	-1.67e-04	0.0	2.54e-05
2188	264	-1.00	0.92	-0.23	-1.49e-04	0.0	2.65e-05
2188	276	-0.30	1.82	-0.19	4.64e-04	0.0	-2.35e-05
2188	298	-0.31	0.91	-0.21	-1.32e-04	0.0	1.52e-05
2188	305	-0.43	0.85	-0.21	-1.25e-04	0.0	1.63e-05
2188	307	-0.29	1.03	-0.20	-2.94e-06	0.0	6.30e-06
2188	310	-0.30	0.86	-0.21	-1.26e-04	0.0	1.41e-05
2189	44	-1.45	1.18	-0.28	-2.18e-04	0.0	4.35e-05
2189	68	-0.40	3.13	-0.24	9.17e-04	0.0	-2.54e-04
2189	76	-0.54	0.96	-0.29	-5.92e-04	0.0	1.19e-04
2189	116	-12.87	2.60	-0.26	-1.61e-04	0.0	-3.73e-04
2189	139	-1.31	12.35	-0.05	-1.04e-04	0.0	-1.91e-04
2189	144	-5.52	-9.68	-0.36	-1.71e-04	0.0	1.60e-04
2189	148	-14.43	2.79	-0.27	-1.64e-04	0.0	-4.22e-04
2189	171	-1.41	13.86	-0.03	-1.01e-04	0.0	-2.17e-04
2189	176	-6.18	-11.05	-0.38	-1.76e-04	0.0	1.77e-04
2189	180	-14.31	2.62	-0.28	-1.54e-04	0.0	-4.19e-04
2189	203	-1.30	14.12	-0.02	-1.04e-04	0.0	-2.10e-04
2189	208	-6.19	-11.35	-0.38	-1.72e-04	0.0	1.71e-04
2189	212	-16.72	2.82	-0.30	-1.55e-04	0.0	-4.97e-04
2189	235	-1.41	16.61	7.07e-03	-1.01e-04	0.0	-2.48e-04
2189	240	-7.22	-13.64	-0.42	-1.78e-04	0.0	1.96e-04
2189	264	-0.98	0.83	-0.20	-1.53e-04	0.0	2.97e-05
2189	276	-0.28	2.13	-0.18	6.04e-04	0.0	-1.69e-04
2189	280	-0.38	0.68	-0.21	-4.02e-04	0.0	8.02e-05
2189	298	-0.30	0.84	-0.19	-1.37e-04	0.0	1.99e-05
2189	305	-0.42	0.78	-0.19	-1.30e-04	0.0	2.04e-05
2189	307	-0.28	1.03	-0.18	2.12e-05	0.0	-1.93e-05

2189	310	-0.29	0.79	-0.19	-1.31e-04	0.0	1.82e-05
2190	44	-1.47	1.29	-0.28	-2.18e-04	0.0	3.86e-05
2190	68	-0.42	2.65	-0.24	9.53e-04	0.0	-3.09e-05
2190	76	-0.56	1.26	-0.29	-6.03e-04	0.0	4.32e-05
2190	116	-13.04	2.63	-0.26	-1.64e-04	0.0	-3.66e-04
2190	139	-1.31	12.42	-0.05	-1.07e-04	0.0	1.54e-04
2190	144	-5.61	-9.61	-0.36	-1.69e-04	0.0	-1.88e-04
2190	148	-14.62	2.82	-0.27	-1.67e-04	0.0	-4.14e-04
2190	171	-1.42	13.92	-0.03	-1.04e-04	0.0	1.73e-04
2190	176	-6.28	-10.99	-0.38	-1.74e-04	0.0	-2.14e-04
2190	180	-14.50	2.64	-0.28	-1.57e-04	0.0	-4.15e-04
2190	203	-1.31	14.19	-0.02	-1.08e-04	0.0	1.77e-04
2190	208	-6.29	-11.28	-0.38	-1.69e-04	0.0	-2.18e-04
2190	212	-16.94	2.84	-0.30	-1.59e-04	0.0	-4.94e-04
2190	235	-1.42	16.68	7.40e-03	-1.05e-04	0.0	2.09e-04
2190	240	-7.34	-13.57	-0.42	-1.74e-04	0.0	-2.62e-04
2190	264	-1.00	0.90	-0.20	-1.53e-04	0.0	2.65e-05
2190	276	-0.29	1.81	-0.18	6.28e-04	0.0	-1.99e-05
2190	280	-0.39	0.88	-0.21	-4.09e-04	0.0	2.95e-05
2190	298	-0.31	0.91	-0.19	-1.37e-04	0.0	1.52e-05
2190	305	-0.43	0.84	-0.19	-1.30e-04	0.0	1.63e-05
2190	307	-0.29	1.02	-0.18	2.59e-05	0.0	6.98e-06
2190	310	-0.30	0.86	-0.19	-1.31e-04	0.0	1.41e-05
2191	44	-1.06	0.55	-0.24	-2.24e-04	0.0	2.75e-05
2191	68	-0.19	2.51	-0.19	-1.65e-03	0.0	5.90e-05
2191	76	-0.28	0.24	-0.24	1.65e-04	0.0	0.0
2191	116	-10.85	2.40	-0.25	-4.08e-04	0.0	-2.97e-04
2191	139	-1.12	10.40	-0.03	-1.33e-03	0.0	1.55e-04
2191	144	-4.50	-8.56	-0.33	9.43e-04	0.0	-1.81e-04
2191	148	-12.18	2.63	-0.26	-4.38e-04	0.0	-3.36e-04
2191	171	-1.23	11.70	-0.01	-1.48e-03	0.0	1.75e-04
2191	176	-5.05	-9.74	-0.35	1.08e-03	0.0	-2.06e-04
2191	180	-12.07	2.46	-0.26	-4.17e-04	0.0	-3.38e-04
2191	203	-1.14	11.91	-9.06e-03	-1.51e-03	0.0	1.80e-04
2191	208	-5.05	-9.98	-0.35	1.11e-03	0.0	-2.10e-04
2191	212	-14.11	2.72	-0.28	-4.54e-04	0.0	-4.02e-04
2191	235	-1.26	14.05	0.02	-1.76e-03	0.0	2.13e-04
2191	240	-5.91	-11.94	-0.39	1.34e-03	0.0	-2.52e-04
2191	264	-0.72	0.38	-0.18	-1.57e-04	0.0	1.87e-05
2191	276	-0.14	1.69	-0.15	-1.11e-03	0.0	3.97e-05
2191	280	-0.19	0.18	-0.18	1.03e-04	0.0	0.0
2191	298	-0.15	0.44	-0.16	-1.44e-04	0.0	8.30e-06
2191	305	-0.26	0.40	-0.16	-1.37e-04	0.0	9.77e-06
2191	307	-0.14	0.66	-0.16	-3.27e-04	0.0	1.40e-05
2191	310	-0.15	0.42	-0.16	-1.37e-04	0.0	7.71e-06
2192	44	-1.11	0.67	-0.24	-2.24e-04	0.0	2.98e-05
2192	68	-0.22	3.35	-0.19	-1.51e-03	0.0	6.23e-05
2192	76	-0.30	0.16	-0.24	1.24e-04	0.0	2.86e-06
2192	116	-11.14	2.61	-0.24	-3.88e-04	0.0	-3.12e-04
2192	139	-1.14	11.08	-0.03	-1.26e-03	0.0	1.67e-04
2192	144	-4.64	-9.04	-0.33	8.79e-04	0.0	-1.94e-04
2192	148	-12.51	2.85	-0.26	-4.16e-04	0.0	-3.53e-04
2192	171	-1.25	12.46	-0.01	-1.41e-03	0.0	1.89e-04
2192	176	-5.21	-10.28	-0.35	1.01e-03	0.0	-2.20e-04
2192	180	-12.40	2.68	-0.26	-3.96e-04	0.0	-3.55e-04
2192	203	-1.16	12.69	-9.56e-03	-1.43e-03	0.0	1.94e-04
2192	208	-5.21	-10.54	-0.35	1.03e-03	0.0	-2.25e-04
2192	212	-14.50	2.95	-0.28	-4.31e-04	0.0	-4.22e-04
2192	235	-1.28	14.95	0.02	-1.66e-03	0.0	2.29e-04
2192	240	-6.09	-12.62	-0.39	1.25e-03	0.0	-2.70e-04
2192	264	-0.75	0.47	-0.18	-1.57e-04	0.0	2.03e-05
2192	276	-0.15	2.26	-0.15	-1.02e-03	0.0	4.20e-05
2192	280	-0.21	0.13	-0.18	7.50e-05	0.0	2.37e-06
2192	298	-0.17	0.52	-0.16	-1.44e-04	0.0	9.75e-06
2192	305	-0.28	0.47	-0.16	-1.37e-04	0.0	1.11e-05
2192	307	-0.16	0.83	-0.16	-3.08e-04	0.0	1.55e-05
2192	310	-0.16	0.49	-0.16	-1.37e-04	0.0	9.03e-06
2193	44	-1.14	0.79	-0.24	-2.24e-04	0.0	3.14e-05
2193	68	-0.23	4.12	-0.20	-1.48e-03	0.0	-5.25e-05
2193	76	-0.33	0.11	-0.25	1.12e-04	0.0	3.96e-05
2193	116	-11.35	2.81	-0.24	-3.80e-04	0.0	-3.37e-04
2193	139	-1.16	11.74	-0.03	-1.23e-03	0.0	1.25e-04
2193	144	-4.75	-9.49	-0.33	8.52e-04	0.0	-1.57e-04
2193	148	-12.74	3.06	-0.25	-4.07e-04	0.0	-3.80e-04
2193	171	-1.26	13.19	-0.01	-1.37e-03	0.0	1.41e-04

2193	176	-5.33	-10.80	-0.35	9.81e-04	0.0	-1.78e-04
2193	180	-12.63	2.88	-0.25	-3.88e-04	0.0	-3.80e-04
2193	203	-1.17	13.43	-0.01	-1.39e-03	0.0	1.43e-04
2193	208	-5.34	-11.07	-0.35	1.00e-03	0.0	-1.81e-04
2193	212	-14.76	3.17	-0.27	-4.21e-04	0.0	-4.52e-04
2193	235	-1.28	15.82	0.02	-1.62e-03	0.0	1.69e-04
2193	240	-6.23	-13.27	-0.39	1.22e-03	0.0	-2.16e-04
2193	264	-0.77	0.55	-0.18	-1.57e-04	0.0	2.14e-05
2193	276	-0.16	2.77	-0.15	-9.92e-04	0.0	-3.45e-05
2193	280	-0.23	0.10	-0.18	6.76e-05	0.0	2.69e-05
2193	298	-0.18	0.59	-0.16	-1.44e-04	0.0	1.08e-05
2193	305	-0.29	0.54	-0.16	-1.36e-04	0.0	1.21e-05
2193	307	-0.17	0.99	-0.16	-3.04e-04	0.0	0.0
2193	310	-0.17	0.56	-0.16	-1.37e-04	0.0	9.96e-06
2194	44	-1.06	0.53	-0.23	-2.22e-04	0.0	2.76e-05
2194	68	-0.19	2.48	-0.19	-1.64e-03	0.0	4.35e-05
2194	76	-0.28	0.24	-0.24	1.64e-04	0.0	5.40e-06
2194	116	-10.85	2.50	-0.13	-4.13e-04	0.0	-2.99e-04
2194	138	0.83	-9.50	-0.34	1.04e-03	0.0	-1.31e-04
2194	139	-1.12	10.33	0.01	-1.31e-03	0.0	1.47e-04
2194	148	-12.18	2.73	-0.13	-4.45e-04	0.0	-3.38e-04
2194	170	0.93	-10.79	-0.36	1.19e-03	0.0	-1.50e-04
2194	171	-1.23	11.62	0.04	-1.46e-03	0.0	1.65e-04
2194	180	-12.07	2.57	-0.13	-4.24e-04	0.0	-3.39e-04
2194	202	0.84	-11.00	-0.36	1.21e-03	0.0	-1.55e-04
2194	203	-1.14	11.83	0.04	-1.48e-03	0.0	1.70e-04
2194	212	-14.11	2.84	-0.13	-4.62e-04	0.0	-4.04e-04
2194	234	0.96	-13.12	-0.40	1.46e-03	0.0	-1.86e-04
2194	235	-1.26	13.95	0.08	-1.73e-03	0.0	2.01e-04
2194	264	-0.72	0.38	-0.17	-1.55e-04	0.0	1.88e-05
2194	276	-0.14	1.67	-0.14	-1.10e-03	0.0	2.94e-05
2194	280	-0.19	0.18	-0.18	1.02e-04	0.0	4.01e-06
2194	298	-0.15	0.44	-0.16	-1.43e-04	0.0	8.35e-06
2194	305	-0.26	0.39	-0.16	-1.35e-04	0.0	9.81e-06
2194	307	-0.14	0.65	-0.16	-3.24e-04	0.0	1.19e-05
2194	310	-0.15	0.41	-0.16	-1.36e-04	0.0	7.75e-06
2195	44	-1.11	0.65	-0.24	-2.22e-04	0.0	2.98e-05
2195	68	-0.22	3.32	-0.19	-1.54e-03	0.0	7.44e-05
2195	76	-0.30	0.16	-0.25	1.34e-04	0.0	0.0
2195	116	-11.14	2.71	-0.13	-4.02e-04	0.0	-3.11e-04
2195	138	0.82	-10.04	-0.34	9.98e-04	0.0	-1.52e-04
2195	139	-1.14	11.01	0.01	-1.27e-03	0.0	1.70e-04
2195	148	-12.51	2.96	-0.13	-4.32e-04	0.0	-3.52e-04
2195	170	0.93	-11.41	-0.36	1.14e-03	0.0	-1.74e-04
2195	171	-1.25	12.38	0.04	-1.42e-03	0.0	1.92e-04
2195	180	-12.40	2.79	-0.13	-4.12e-04	0.0	-3.54e-04
2195	202	0.83	-11.63	-0.36	1.16e-03	0.0	-1.79e-04
2195	203	-1.16	12.60	0.04	-1.44e-03	0.0	1.97e-04
2195	212	-14.49	3.08	-0.13	-4.49e-04	0.0	-4.22e-04
2195	234	0.95	-13.88	-0.40	1.41e-03	0.0	-2.15e-04
2195	235	-1.28	14.85	0.08	-1.68e-03	0.0	2.33e-04
2195	264	-0.75	0.46	-0.17	-1.55e-04	0.0	2.03e-05
2195	276	-0.15	2.24	-0.14	-1.03e-03	0.0	5.00e-05
2195	280	-0.21	0.13	-0.18	8.18e-05	0.0	0.0
2195	298	-0.17	0.51	-0.16	-1.43e-04	0.0	9.77e-06
2195	305	-0.28	0.47	-0.16	-1.35e-04	0.0	1.11e-05
2195	307	-0.16	0.82	-0.16	-3.11e-04	0.0	1.71e-05
2195	310	-0.16	0.48	-0.16	-1.36e-04	0.0	9.05e-06
2196	44	-1.14	0.77	-0.24	-2.22e-04	0.0	3.13e-05
2196	68	-0.23	4.13	-0.19	-1.53e-03	0.0	9.65e-05
2196	76	-0.33	0.10	-0.25	1.30e-04	0.0	-5.28e-06
2196	116	-11.35	2.92	-0.13	-3.98e-04	0.0	-3.21e-04
2196	138	0.80	-10.56	-0.34	9.83e-04	0.0	-1.68e-04
2196	139	-1.15	11.67	0.01	-1.26e-03	0.0	1.87e-04
2196	148	-12.74	3.19	-0.13	-4.27e-04	0.0	-3.63e-04
2196	170	0.91	-12.00	-0.36	1.13e-03	0.0	-1.91e-04
2196	171	-1.26	13.12	0.04	-1.40e-03	0.0	2.11e-04
2196	180	-12.63	3.00	-0.13	-4.07e-04	0.0	-3.65e-04
2196	202	0.82	-12.24	-0.36	1.15e-03	0.0	-1.97e-04
2196	203	-1.16	13.35	0.04	-1.42e-03	0.0	2.17e-04
2196	212	-14.77	3.32	-0.13	-4.44e-04	0.0	-4.36e-04
2196	234	0.93	-14.61	-0.40	1.39e-03	0.0	-2.37e-04
2196	235	-1.28	15.73	0.08	-1.66e-03	0.0	2.57e-04
2196	264	-0.77	0.54	-0.17	-1.56e-04	0.0	2.14e-05
2196	276	-0.16	2.78	-0.14	-1.02e-03	0.0	6.48e-05

2196	280	-0.23	0.09	-0.18	7.91e-05	0.0	-3.02e-06
2196	298	-0.18	0.59	-0.16	-1.43e-04	0.0	1.07e-05
2196	305	-0.29	0.54	-0.16	-1.35e-04	0.0	1.20e-05
2196	307	-0.17	0.99	-0.16	-3.09e-04	0.0	2.07e-05
2196	310	-0.17	0.56	-0.16	-1.36e-04	0.0	9.90e-06
2197	44	-1.06	0.52	-0.23	-2.20e-04	0.0	2.77e-05
2197	68	-0.19	2.47	-0.18	-1.60e-03	0.0	2.69e-05
2197	76	-0.28	0.23	-0.24	1.56e-04	0.0	1.06e-05
2197	116	-10.85	2.60	-0.06	-4.18e-04	0.0	-3.01e-04
2197	138	0.83	-9.45	-0.37	1.02e-03	0.0	-1.23e-04
2197	139	-1.12	10.26	0.06	-1.29e-03	0.0	1.39e-04
2197	148	-12.18	2.85	-0.05	-4.50e-04	0.0	-3.40e-04
2197	170	0.93	-10.73	-0.40	1.17e-03	0.0	-1.41e-04
2197	171	-1.23	11.55	0.08	-1.44e-03	0.0	1.56e-04
2197	180	-12.07	2.68	-0.05	-4.29e-04	0.0	-3.41e-04
2197	202	0.84	-10.93	-0.40	1.19e-03	0.0	-1.45e-04
2197	203	-1.14	11.75	0.09	-1.46e-03	0.0	1.61e-04
2197	212	-14.11	2.98	-0.03	-4.69e-04	0.0	-4.06e-04
2197	234	0.96	-13.04	-0.44	1.43e-03	0.0	-1.74e-04
2197	235	-1.26	13.85	0.13	-1.70e-03	0.0	1.90e-04
2197	264	-0.72	0.37	-0.17	-1.54e-04	0.0	1.89e-05
2197	276	-0.14	1.66	-0.13	-1.08e-03	0.0	1.83e-05
2197	280	-0.19	0.18	-0.18	9.70e-05	0.0	7.45e-06
2197	298	-0.15	0.43	-0.16	-1.42e-04	0.0	8.43e-06
2197	305	-0.26	0.39	-0.16	-1.34e-04	0.0	9.88e-06
2197	307	-0.14	0.65	-0.15	-3.19e-04	0.0	9.78e-06
2197	310	-0.15	0.41	-0.16	-1.35e-04	0.0	7.83e-06
2198	44	-1.11	0.64	-0.23	-2.21e-04	0.0	2.99e-05
2198	68	-0.22	3.28	-0.18	-1.47e-03	0.0	8.77e-05
2198	76	-0.31	0.16	-0.24	1.14e-04	0.0	-4.54e-06
2198	116	-11.14	2.81	-0.06	-3.98e-04	0.0	-3.11e-04
2198	138	0.82	-9.97	-0.37	9.49e-04	0.0	-1.55e-04
2198	139	-1.14	10.93	0.05	-1.22e-03	0.0	1.74e-04
2198	148	-12.50	3.08	-0.05	-4.28e-04	0.0	-3.51e-04
2198	170	0.93	-11.32	-0.40	1.09e-03	0.0	-1.77e-04
2198	171	-1.25	12.28	0.08	-1.36e-03	0.0	1.96e-04
2198	180	-12.39	2.90	-0.05	-4.09e-04	0.0	-3.53e-04
2198	202	0.83	-11.54	-0.40	1.11e-03	0.0	-1.83e-04
2198	203	-1.16	12.50	0.09	-1.38e-03	0.0	2.01e-04
2198	212	-14.49	3.22	-0.04	-4.46e-04	0.0	-4.21e-04
2198	234	0.95	-13.77	-0.45	1.34e-03	0.0	-2.20e-04
2198	235	-1.28	14.73	0.13	-1.61e-03	0.0	2.38e-04
2198	264	-0.75	0.45	-0.17	-1.54e-04	0.0	2.04e-05
2198	276	-0.15	2.21	-0.13	-9.84e-04	0.0	5.89e-05
2198	280	-0.21	0.13	-0.18	6.87e-05	0.0	-2.56e-06
2198	298	-0.17	0.51	-0.16	-1.42e-04	0.0	9.84e-06
2198	305	-0.28	0.46	-0.16	-1.34e-04	0.0	1.12e-05
2198	307	-0.16	0.81	-0.15	-3.00e-04	0.0	1.89e-05
2198	310	-0.16	0.48	-0.16	-1.35e-04	0.0	9.12e-06
2199	44	-1.15	0.76	-0.23	-2.21e-04	0.0	3.11e-05
2199	68	-0.23	4.03	-0.18	-1.43e-03	0.0	2.45e-04
2199	76	-0.33	0.11	-0.24	1.03e-04	0.0	-5.01e-05
2199	116	-11.37	3.02	-0.06	-3.90e-04	0.0	-3.08e-04
2199	138	0.80	-10.46	-0.37	9.20e-04	0.0	-2.33e-04
2199	139	-1.16	11.56	0.05	-1.19e-03	0.0	2.52e-04
2199	148	-12.76	3.30	-0.05	-4.19e-04	0.0	-3.49e-04
2199	170	0.91	-11.89	-0.40	1.06e-03	0.0	-2.65e-04
2199	171	-1.26	12.99	0.08	-1.33e-03	0.0	2.85e-04
2199	180	-12.65	3.11	-0.05	-4.00e-04	0.0	-3.54e-04
2199	202	0.81	-12.11	-0.40	1.08e-03	0.0	-2.73e-04
2199	203	-1.17	13.22	0.08	-1.35e-03	0.0	2.93e-04
2199	212	-14.79	3.45	-0.04	-4.36e-04	0.0	-4.23e-04
2199	234	0.93	-14.46	-0.44	1.30e-03	0.0	-3.28e-04
2199	235	-1.28	15.57	0.13	-1.57e-03	0.0	3.47e-04
2199	264	-0.77	0.53	-0.17	-1.54e-04	0.0	2.12e-05
2199	276	-0.16	2.71	-0.13	-9.60e-04	0.0	1.64e-04
2199	280	-0.23	0.10	-0.18	6.13e-05	0.0	-3.29e-05
2199	298	-0.19	0.58	-0.16	-1.42e-04	0.0	1.06e-05
2199	305	-0.29	0.53	-0.16	-1.35e-04	0.0	1.19e-05
2199	307	-0.17	0.97	-0.15	-2.96e-04	0.0	4.04e-05
2199	310	-0.18	0.55	-0.16	-1.35e-04	0.0	9.77e-06
2200	44	-1.47	1.22	-0.26	-2.23e-04	0.0	3.81e-05
2200	68	-0.42	2.59	-0.21	1.34e-03	0.0	3.45e-05
2200	76	-0.56	1.22	-0.27	-7.32e-04	0.0	2.20e-05
2200	116	-13.03	3.14	-0.27	-3.28e-04	0.0	-3.63e-04

2200	139	-1.30	12.08	-0.02	1.10e-05	0.0	1.68e-04
2200	140	-6.15	-7.84	-0.37	-3.74e-04	0.0	-2.90e-04
2200	148	-14.61	3.40	-0.28	-3.49e-04	0.0	-4.10e-04
2200	171	-1.41	13.55	2.83e-03	3.05e-05	0.0	1.89e-04
2200	172	-6.90	-8.99	-0.40	-4.03e-04	0.0	-3.30e-04
2200	180	-14.49	3.21	-0.28	-3.31e-04	0.0	-4.12e-04
2200	203	-1.29	13.79	8.24e-03	3.37e-05	0.0	1.94e-04
2200	204	-6.91	-9.31	-0.40	-3.97e-04	0.0	-3.33e-04
2200	212	-16.92	3.51	-0.30	-3.62e-04	0.0	-4.90e-04
2200	235	-1.40	16.19	0.04	6.52e-05	0.0	2.29e-04
2200	236	-8.07	-11.25	-0.44	-4.42e-04	0.0	-3.97e-04
2200	264	-1.00	0.85	-0.19	-1.56e-04	0.0	2.61e-05
2200	276	-0.29	1.77	-0.16	8.88e-04	0.0	2.38e-05
2200	280	-0.39	0.85	-0.20	-4.95e-04	0.0	1.54e-05
2200	298	-0.31	0.88	-0.18	-1.44e-04	0.0	1.43e-05
2200	305	-0.43	0.81	-0.18	-1.36e-04	0.0	1.55e-05
2200	307	-0.29	0.99	-0.17	7.28e-05	0.0	1.50e-05
2200	310	-0.30	0.83	-0.18	-1.37e-04	0.0	1.33e-05
2201	44	-1.41	1.01	-0.26	-2.24e-04	0.0	3.47e-05
2201	68	-0.39	3.93	-0.21	1.31e-03	0.0	-1.64e-05
2201	76	-0.52	0.50	-0.27	-7.25e-04	0.0	3.30e-05
2201	116	-12.71	2.99	-0.26	-3.29e-04	0.0	-3.57e-04
2201	139	-1.30	12.22	-0.03	-6.41e-06	0.0	1.51e-04
2201	144	-5.43	-9.65	-0.36	-3.36e-04	0.0	-1.84e-04
2201	148	-14.26	3.24	-0.27	-3.50e-04	0.0	-4.03e-04
2201	171	-1.41	13.72	-0.01	1.09e-05	0.0	1.69e-04
2201	176	-6.08	-11.01	-0.38	-3.60e-04	0.0	-2.10e-04
2201	180	-14.14	3.05	-0.27	-3.33e-04	0.0	-4.04e-04
2201	203	-1.30	13.96	-7.45e-03	1.33e-05	0.0	1.73e-04
2201	208	-6.09	-11.29	-0.39	-3.55e-04	0.0	-2.14e-04
2201	212	-16.52	3.35	-0.29	-3.64e-04	0.0	-4.81e-04
2201	235	-1.41	16.43	0.02	4.10e-05	0.0	2.04e-04
2201	240	-7.11	-13.55	-0.42	-3.92e-04	0.0	-2.56e-04
2201	264	-0.96	0.71	-0.19	-1.57e-04	0.0	2.38e-05
2201	276	-0.27	2.66	-0.16	8.69e-04	0.0	-1.03e-05
2201	280	-0.36	0.37	-0.20	-4.91e-04	0.0	2.26e-05
2201	298	-0.29	0.74	-0.18	-1.45e-04	0.0	1.25e-05
2201	305	-0.41	0.68	-0.18	-1.37e-04	0.0	1.38e-05
2201	307	-0.27	1.07	-0.17	6.85e-05	0.0	6.98e-06
2201	310	-0.28	0.70	-0.18	-1.37e-04	0.0	1.16e-05
2202	44	-1.44	1.09	-0.25	-2.20e-04	0.0	3.63e-05
2202	68	-0.40	3.24	-0.19	1.28e-03	0.0	6.15e-05
2202	76	-0.54	0.84	-0.26	-7.09e-04	0.0	1.16e-05
2202	116	-12.85	3.24	-0.09	-3.11e-04	0.0	-3.54e-04
2202	138	0.73	-10.51	-0.40	-2.56e-04	0.0	-1.61e-04
2202	139	-1.30	12.03	0.06	-1.47e-05	0.0	1.86e-04
2202	148	-14.42	3.52	-0.08	-3.30e-04	0.0	-4.00e-04
2202	170	0.83	-11.98	-0.43	-2.72e-04	0.0	-1.84e-04
2202	171	-1.41	13.49	0.09	1.18e-06	0.0	2.09e-04
2202	180	-14.29	3.33	-0.08	-3.14e-04	0.0	-4.02e-04
2202	202	0.72	-12.21	-0.44	-2.74e-04	0.0	-1.90e-04
2202	203	-1.29	13.73	0.09	3.07e-06	0.0	2.15e-04
2202	212	-16.70	3.66	-0.07	-3.43e-04	0.0	-4.79e-04
2202	234	0.83	-14.62	-0.48	-2.99e-04	0.0	-2.29e-04
2202	235	-1.41	16.14	0.14	2.84e-05	0.0	2.54e-04
2202	264	-0.97	0.76	-0.18	-1.54e-04	0.0	2.49e-05
2202	276	-0.28	2.20	-0.15	8.43e-04	0.0	4.17e-05
2202	280	-0.37	0.60	-0.19	-4.80e-04	0.0	8.42e-06
2202	298	-0.30	0.80	-0.17	-1.43e-04	0.0	1.33e-05
2202	305	-0.42	0.74	-0.17	-1.35e-04	0.0	1.46e-05
2202	307	-0.28	1.02	-0.16	6.47e-05	0.0	1.80e-05
2202	310	-0.29	0.76	-0.17	-1.36e-04	0.0	1.24e-05
2203	44	-1.41	1.00	-0.26	-2.22e-04	0.0	3.47e-05
2203	68	-0.39	3.93	-0.21	1.34e-03	0.0	7.48e-05
2203	76	-0.52	0.48	-0.27	-7.30e-04	0.0	5.57e-06
2203	116	-12.71	3.10	-0.27	-3.27e-04	0.0	-3.47e-04
2203	139	-1.30	12.14	-0.02	6.81e-06	0.0	1.92e-04
2203	140	-5.96	-8.13	-0.37	-3.69e-04	0.0	-3.07e-04
2203	148	-14.25	3.37	-0.28	-3.48e-04	0.0	-3.92e-04
2203	171	-1.41	13.63	2.80e-03	2.58e-05	0.0	2.16e-04
2203	172	-6.68	-9.30	-0.40	-3.97e-04	0.0	-3.48e-04
2203	180	-14.13	3.18	-0.28	-3.30e-04	0.0	-3.95e-04
2203	203	-1.30	13.87	8.21e-03	2.87e-05	0.0	2.22e-04
2203	204	-6.69	-9.62	-0.40	-3.91e-04	0.0	-3.53e-04
2203	212	-16.51	3.50	-0.30	-3.61e-04	0.0	-4.70e-04

2203	235	-1.41	16.32	0.04	5.93e-05	0.0	2.63e-04
2203	236	-7.82	-11.60	-0.44	-4.35e-04	0.0	-4.20e-04
2203	264	-0.96	0.70	-0.19	-1.56e-04	0.0	2.37e-05
2203	276	-0.27	2.66	-0.16	8.84e-04	0.0	5.05e-05
2203	280	-0.36	0.36	-0.20	-4.94e-04	0.0	4.33e-06
2203	298	-0.29	0.73	-0.18	-1.44e-04	0.0	1.25e-05
2203	305	-0.41	0.67	-0.18	-1.36e-04	0.0	1.38e-05
2203	307	-0.27	1.07	-0.17	7.22e-05	0.0	1.91e-05
2203	310	-0.28	0.69	-0.18	-1.37e-04	0.0	1.16e-05
2204	28	-0.76	0.72	-0.24	-2.63e-04	0.0	2.71e-05
2204	44	-1.06	0.56	-0.24	-2.27e-04	0.0	2.95e-05
2204	68	-0.19	2.54	-0.19	-1.49e-03	0.0	-5.71e-05
2204	116	-10.85	2.31	-0.29	-3.83e-04	0.0	-3.30e-04
2204	139	-1.12	10.48	-0.06	-1.29e-03	0.0	1.00e-04
2204	144	-4.50	-8.64	-0.32	9.05e-04	0.0	-1.32e-04
2204	148	-12.18	2.52	-0.31	-4.10e-04	0.0	-3.72e-04
2204	171	-1.23	11.78	-0.04	-1.44e-03	0.0	1.12e-04
2204	176	-5.05	-9.83	-0.34	1.04e-03	0.0	-1.50e-04
2204	180	-12.07	2.36	-0.31	-3.90e-04	0.0	-3.71e-04
2204	203	-1.14	12.00	-0.04	-1.46e-03	0.0	1.13e-04
2204	208	-5.05	-10.08	-0.35	1.06e-03	0.0	-1.50e-04
2204	212	-14.12	2.59	-0.34	-4.23e-04	0.0	-4.40e-04
2204	235	-1.26	14.16	-0.01	-1.70e-03	0.0	1.32e-04
2204	240	-5.91	-12.06	-0.38	1.29e-03	0.0	-1.79e-04
2204	256	-0.52	0.50	-0.18	-1.82e-04	0.0	1.84e-05
2204	264	-0.72	0.39	-0.17	-1.59e-04	0.0	2.01e-05
2204	276	-0.14	1.71	-0.15	-1.00e-03	0.0	-3.77e-05
2204	298	-0.15	0.44	-0.16	-1.47e-04	0.0	1.02e-05
2204	305	-0.26	0.40	-0.16	-1.39e-04	0.0	1.14e-05
2204	307	-0.14	0.67	-0.15	-3.07e-04	0.0	0.0
2204	310	-0.15	0.42	-0.16	-1.39e-04	0.0	9.40e-06
2205	28	-0.80	0.86	-0.25	-2.62e-04	0.0	3.43e-05
2205	44	-1.11	0.68	-0.24	-2.27e-04	0.0	3.51e-05
2205	68	-0.22	3.37	-0.20	-1.13e-03	0.0	-1.66e-04
2205	116	-11.14	2.51	-0.30	-3.37e-04	0.0	-3.71e-04
2205	139	-1.14	11.16	-0.06	-1.12e-03	0.0	8.11e-05
2205	144	-4.64	-9.12	-0.33	7.54e-04	0.0	-1.14e-04
2205	148	-12.51	2.74	-0.32	-3.59e-04	0.0	-4.19e-04
2205	171	-1.25	12.55	-0.04	-1.25e-03	0.0	8.97e-05
2205	176	-5.21	-10.38	-0.35	8.71e-04	0.0	-1.30e-04
2205	180	-12.40	2.57	-0.32	-3.42e-04	0.0	-4.15e-04
2205	203	-1.16	12.78	-0.04	-1.27e-03	0.0	8.69e-05
2205	208	-5.21	-10.64	-0.36	8.91e-04	0.0	-1.26e-04
2205	212	-14.49	2.82	-0.35	-3.68e-04	0.0	-4.91e-04
2205	235	-1.28	15.07	-0.01	-1.48e-03	0.0	9.93e-05
2205	240	-6.09	-12.74	-0.39	1.08e-03	0.0	-1.50e-04
2205	256	-0.54	0.60	-0.18	-1.82e-04	0.0	2.34e-05
2205	264	-0.75	0.48	-0.18	-1.59e-04	0.0	2.39e-05
2205	276	-0.15	2.27	-0.15	-7.62e-04	0.0	-1.10e-04
2205	298	-0.17	0.52	-0.16	-1.46e-04	0.0	1.44e-05
2205	305	-0.28	0.48	-0.16	-1.38e-04	0.0	1.53e-05
2205	307	-0.16	0.83	-0.16	-2.59e-04	0.0	-1.16e-05
2205	310	-0.16	0.49	-0.16	-1.39e-04	0.0	1.32e-05
2206	28	-0.83	1.00	-0.26	-2.62e-04	0.0	4.12e-05
2206	44	-1.14	0.80	-0.26	-2.27e-04	0.0	4.03e-05
2206	68	-0.23	3.96	-0.21	-5.57e-04	0.0	-3.39e-04
2206	116	-11.36	2.69	-0.33	-2.60e-04	0.0	-4.12e-04
2206	139	-1.16	11.74	-0.06	-8.42e-04	0.0	-2.11e-04
2206	144	-4.75	-9.50	-0.35	4.97e-04	0.0	1.77e-04
2206	148	-12.75	2.92	-0.35	-2.73e-04	0.0	-4.65e-04
2206	171	-1.27	13.20	-0.05	-9.33e-04	0.0	-2.38e-04
2206	176	-5.34	-10.82	-0.37	5.80e-04	0.0	1.95e-04
2206	180	-12.64	2.74	-0.35	-2.62e-04	0.0	-4.57e-04
2206	203	-1.17	13.44	-0.04	-9.48e-04	0.0	-2.22e-04
2206	208	-5.34	-11.10	-0.38	5.96e-04	0.0	1.80e-04
2206	212	-14.78	3.01	-0.38	-2.76e-04	0.0	-5.41e-04
2206	235	-1.29	15.83	-0.02	-1.10e-03	0.0	-2.59e-04
2206	240	-6.24	-13.30	-0.42	7.35e-04	0.0	2.04e-04
2206	256	-0.56	0.69	-0.19	-1.82e-04	0.0	2.80e-05
2206	264	-0.77	0.56	-0.19	-1.59e-04	0.0	2.74e-05
2206	276	-0.16	2.67	-0.15	-3.79e-04	0.0	-2.25e-04
2206	305	-0.29	0.55	-0.17	-1.38e-04	0.0	1.88e-05
2206	307	-0.17	0.97	-0.16	-1.82e-04	0.0	-3.17e-05
2206	310	-0.17	0.57	-0.17	-1.39e-04	0.0	1.67e-05
2207	44	-1.28	0.94	-0.21	-2.27e-04	0.0	4.12e-05

2207	68	-0.31	3.88	-0.19	3.76e-05	0.0	-2.39e-04
2207	76	-0.42	0.38	-0.23	-3.45e-04	0.0	1.12e-04
2207	116	-12.04	2.61	-0.08	-1.83e-04	0.0	-4.10e-04
2207	138	0.78	-10.78	-0.27	2.75e-04	0.0	2.49e-04
2207	139	-1.23	12.07	-0.03	-5.52e-04	0.0	-2.14e-04
2207	148	-13.51	2.83	-0.07	-1.87e-04	0.0	-4.63e-04
2207	170	0.88	-12.27	-0.29	3.28e-04	0.0	2.76e-04
2207	171	-1.34	13.56	-0.01	-6.06e-04	0.0	-2.42e-04
2207	180	-13.39	2.65	-0.07	-1.81e-04	0.0	-4.56e-04
2207	202	0.78	-12.53	-0.29	3.38e-04	0.0	2.62e-04
2207	203	-1.23	13.82	-0.01	-6.15e-04	0.0	-2.28e-04
2207	212	-15.65	2.88	-0.06	-1.84e-04	0.0	-5.40e-04
2207	234	0.90	-14.98	-0.32	4.27e-04	0.0	3.01e-04
2207	235	-1.35	16.27	0.01	-7.04e-04	0.0	-2.67e-04
2207	264	-0.86	0.66	-0.16	-1.59e-04	0.0	2.81e-05
2207	276	-0.22	2.62	-0.14	1.76e-05	0.0	-1.58e-04
2207	280	-0.29	0.29	-0.17	-2.38e-04	0.0	7.51e-05
2207	298	-0.24	0.68	-0.15	-1.46e-04	0.0	1.89e-05
2207	305	-0.35	0.63	-0.15	-1.38e-04	0.0	1.94e-05
2207	307	-0.22	1.02	-0.15	-1.03e-04	0.0	-1.79e-05
2207	310	-0.23	0.65	-0.15	-1.39e-04	0.0	1.73e-05
2208	44	-1.28	0.93	-0.24	-2.27e-04	0.0	4.12e-05
2208	68	-0.31	3.95	-0.20	4.12e-05	0.0	-2.50e-04
2208	76	-0.42	0.35	-0.24	-3.46e-04	0.0	1.15e-04
2208	116	-12.04	2.70	-0.23	-1.84e-04	0.0	-4.09e-04
2208	139	-1.23	12.07	-0.05	-5.48e-04	0.0	-2.15e-04
2208	144	-5.09	-9.67	-0.30	2.35e-04	0.0	1.82e-04
2208	148	-13.51	2.93	-0.23	-1.88e-04	0.0	-4.62e-04
2208	171	-1.34	13.56	-0.04	-6.02e-04	0.0	-2.43e-04
2208	176	-5.71	-11.03	-0.31	2.83e-04	0.0	2.01e-04
2208	180	-13.39	2.75	-0.24	-1.82e-04	0.0	-4.55e-04
2208	203	-1.23	13.81	-0.03	-6.11e-04	0.0	-2.30e-04
2208	208	-5.72	-11.31	-0.32	2.93e-04	0.0	1.89e-04
2208	212	-15.66	3.00	-0.25	-1.85e-04	0.0	-5.39e-04
2208	235	-1.35	16.27	-0.01	-6.99e-04	0.0	-2.69e-04
2208	240	-6.68	-13.56	-0.35	3.75e-04	0.0	2.15e-04
2208	264	-0.86	0.65	-0.17	-1.59e-04	0.0	2.80e-05
2208	276	-0.22	2.66	-0.15	2.00e-05	0.0	-1.66e-04
2208	280	-0.29	0.27	-0.18	-2.38e-04	0.0	7.74e-05
2208	298	-0.24	0.68	-0.16	-1.46e-04	0.0	1.89e-05
2208	305	-0.35	0.62	-0.16	-1.38e-04	0.0	1.94e-05
2208	307	-0.22	1.03	-0.16	-1.02e-04	0.0	-1.94e-05
2208	310	-0.23	0.64	-0.16	-1.39e-04	0.0	1.72e-05
2209	44	-1.42	1.05	-0.22	-2.25e-04	0.0	4.12e-05
2209	68	-0.39	3.70	-0.20	5.38e-04	0.0	-1.72e-04
2209	76	-0.53	0.60	-0.24	-4.93e-04	0.0	9.16e-05
2209	116	-12.72	2.68	-0.11	-1.48e-04	0.0	-3.99e-04
2209	138	0.73	-10.84	-0.28	4.30e-05	0.0	-4.49e-05
2209	139	-1.30	12.27	-0.03	-3.18e-04	0.0	7.91e-05
2209	148	-14.26	2.90	-0.10	-1.49e-04	0.0	-4.51e-04
2209	170	0.84	-12.35	-0.30	6.62e-05	0.0	-5.27e-05
2209	171	-1.40	13.78	-0.02	-3.41e-04	0.0	8.69e-05
2209	180	-14.14	2.72	-0.10	-1.42e-04	0.0	-4.46e-04
2209	202	0.73	-12.61	-0.30	6.89e-05	0.0	-4.87e-05
2209	203	-1.29	14.04	-0.02	-3.44e-04	0.0	8.29e-05
2209	212	-16.52	2.95	-0.10	-1.40e-04	0.0	-5.29e-04
2209	234	0.85	-15.09	-0.33	1.07e-04	0.0	-5.92e-05
2209	235	-1.41	16.52	0.01	-3.82e-04	0.0	9.34e-05
2209	264	-0.96	0.74	-0.16	-1.58e-04	0.0	2.81e-05
2209	276	-0.28	2.50	-0.15	3.51e-04	0.0	-1.14e-04
2209	280	-0.37	0.44	-0.17	-3.36e-04	0.0	6.17e-05
2209	298	-0.29	0.76	-0.16	-1.45e-04	0.0	1.87e-05
2209	305	-0.41	0.70	-0.16	-1.37e-04	0.0	1.92e-05
2209	307	-0.27	1.05	-0.15	-3.49e-05	0.0	-9.24e-06
2209	310	-0.28	0.72	-0.16	-1.37e-04	0.0	1.71e-05
2210	44	-1.41	1.04	-0.24	-2.26e-04	0.0	4.09e-05
2210	68	-0.39	3.75	-0.20	5.60e-04	0.0	-2.21e-04
2210	76	-0.52	0.58	-0.25	-5.00e-04	0.0	1.06e-04
2210	116	-12.70	2.77	-0.23	-1.53e-04	0.0	-4.03e-04
2210	139	-1.29	12.26	-0.05	-3.05e-04	0.0	-2.17e-04
2210	144	-5.43	-9.71	-0.30	1.69e-05	0.0	1.83e-04
2210	148	-14.25	3.00	-0.24	-1.54e-04	0.0	-4.55e-04
2210	171	-1.40	13.76	-0.04	-3.27e-04	0.0	-2.46e-04
2210	176	-6.08	-11.07	-0.32	3.67e-05	0.0	2.03e-04
2210	180	-14.13	2.81	-0.24	-1.46e-04	0.0	-4.49e-04

2210	203	-1.29	14.01	-0.04	-3.28e-04	0.0	-2.36e-04
2210	208	-6.09	-11.36	-0.32	3.84e-05	0.0	1.94e-04
2210	212	-16.50	3.06	-0.25	-1.44e-04	0.0	-5.33e-04
2210	235	-1.41	16.49	-0.01	-3.64e-04	0.0	-2.77e-04
2210	240	-7.11	-13.64	-0.35	7.11e-05	0.0	2.23e-04
2210	264	-0.96	0.73	-0.18	-1.58e-04	0.0	2.79e-05
2210	276	-0.27	2.53	-0.15	3.66e-04	0.0	-1.47e-04
2210	280	-0.36	0.42	-0.18	-3.41e-04	0.0	7.11e-05
2210	298	-0.29	0.75	-0.16	-1.45e-04	0.0	1.85e-05
2210	305	-0.41	0.69	-0.16	-1.37e-04	0.0	1.90e-05
2210	307	-0.27	1.05	-0.16	-3.23e-05	0.0	-1.59e-05
2210	310	-0.28	0.71	-0.16	-1.38e-04	0.0	1.69e-05
2211	28	-0.96	1.13	-0.27	-2.61e-04	0.0	4.22e-05
2211	44	-1.28	0.91	-0.27	-2.26e-04	0.0	4.12e-05
2211	68	-0.31	4.03	-0.22	4.82e-05	0.0	-2.62e-04
2211	116	-12.05	2.79	-0.35	-1.84e-04	0.0	-4.08e-04
2211	139	-1.23	12.07	-0.06	-5.41e-04	0.0	-2.16e-04
2211	144	-5.09	-9.66	-0.37	2.29e-04	0.0	1.83e-04
2211	148	-13.51	3.03	-0.38	-1.89e-04	0.0	-4.60e-04
2211	171	-1.34	13.55	-0.05	-5.94e-04	0.0	-2.44e-04
2211	176	-5.71	-11.01	-0.39	2.77e-04	0.0	2.03e-04
2211	180	-13.40	2.85	-0.38	-1.83e-04	0.0	-4.54e-04
2211	203	-1.23	13.80	-0.05	-6.03e-04	0.0	-2.32e-04
2211	208	-5.72	-11.29	-0.40	2.86e-04	0.0	1.91e-04
2211	212	-15.66	3.12	-0.42	-1.86e-04	0.0	-5.37e-04
2211	235	-1.35	16.25	-0.02	-6.90e-04	0.0	-2.72e-04
2211	240	-6.68	-13.54	-0.44	3.66e-04	0.0	2.18e-04
2211	256	-0.65	0.79	-0.20	-1.81e-04	0.0	2.88e-05
2211	264	-0.86	0.64	-0.20	-1.58e-04	0.0	2.80e-05
2211	276	-0.22	2.72	-0.16	2.47e-05	0.0	-1.74e-04
2211	305	-0.35	0.62	-0.18	-1.38e-04	0.0	1.94e-05
2211	307	-0.22	1.03	-0.17	-1.01e-04	0.0	-2.11e-05
2211	310	-0.23	0.64	-0.17	-1.39e-04	0.0	1.72e-05
2212	28	-1.08	1.26	-0.27	-2.60e-04	0.0	4.14e-05
2212	44	-1.41	1.03	-0.26	-2.26e-04	0.0	4.08e-05
2212	68	-0.39	3.84	-0.21	5.84e-04	0.0	-2.76e-04
2212	116	-12.71	2.86	-0.33	-1.59e-04	0.0	-4.06e-04
2212	139	-1.30	12.26	-0.06	-2.92e-04	0.0	-2.14e-04
2212	144	-5.43	-9.70	-0.36	3.84e-06	0.0	1.78e-04
2212	148	-14.25	3.10	-0.35	-1.60e-04	0.0	-4.58e-04
2212	171	-1.40	13.76	-0.04	-3.12e-04	0.0	-2.42e-04
2212	176	-6.08	-11.07	-0.38	2.19e-05	0.0	1.98e-04
2212	180	-14.13	2.92	-0.35	-1.51e-04	0.0	-4.53e-04
2212	203	-1.29	14.01	-0.04	-3.12e-04	0.0	-2.30e-04
2212	208	-6.09	-11.35	-0.39	2.24e-05	0.0	1.87e-04
2212	212	-16.51	3.18	-0.39	-1.50e-04	0.0	-5.36e-04
2212	235	-1.41	16.49	-0.01	-3.44e-04	0.0	-2.70e-04
2212	240	-7.10	-13.62	-0.43	5.19e-05	0.0	2.14e-04
2212	256	-0.74	0.88	-0.20	-1.81e-04	0.0	2.82e-05
2212	264	-0.95	0.72	-0.19	-1.58e-04	0.0	2.78e-05
2212	276	-0.27	2.60	-0.16	3.82e-04	0.0	-1.83e-04
2212	305	-0.41	0.69	-0.18	-1.37e-04	0.0	1.89e-05
2212	307	-0.27	1.06	-0.17	-2.94e-05	0.0	-2.33e-05
2212	310	-0.28	0.70	-0.17	-1.38e-04	0.0	1.67e-05
2213	44	-1.44	1.16	-0.23	-2.24e-04	0.0	3.90e-05
2213	68	-0.40	3.24	-0.20	8.88e-04	0.0	-1.08e-04
2213	76	-0.54	0.91	-0.25	-5.96e-04	0.0	6.79e-05
2213	116	-12.87	2.72	-0.13	-1.74e-04	0.0	-3.86e-04
2213	138	0.73	-10.77	-0.29	-1.60e-04	0.0	-7.66e-05
2213	139	-1.30	12.33	-0.04	-1.13e-04	0.0	1.06e-04
2213	148	-14.43	2.93	-0.13	-1.77e-04	0.0	-4.36e-04
2213	170	0.84	-12.27	-0.30	-1.63e-04	0.0	-8.86e-05
2213	171	-1.41	13.84	-0.02	-1.10e-04	0.0	1.19e-04
2213	180	-14.31	2.75	-0.13	-1.67e-04	0.0	-4.34e-04
2213	202	0.72	-12.53	-0.31	-1.59e-04	0.0	-8.95e-05
2213	203	-1.30	14.10	-0.02	-1.14e-04	0.0	1.19e-04
2213	212	-16.72	2.98	-0.13	-1.69e-04	0.0	-5.15e-04
2213	234	0.84	-15.01	-0.33	-1.61e-04	0.0	-1.09e-04
2213	235	-1.41	16.58	8.11e-03	-1.12e-04	0.0	1.39e-04
2213	264	-0.98	0.81	-0.17	-1.57e-04	0.0	2.67e-05
2213	276	-0.28	2.20	-0.15	5.85e-04	0.0	-7.13e-05
2213	280	-0.38	0.64	-0.18	-4.05e-04	0.0	4.59e-05
2213	298	-0.30	0.83	-0.17	-1.44e-04	0.0	1.62e-05
2213	305	-0.42	0.77	-0.16	-1.36e-04	0.0	1.71e-05
2213	307	-0.28	1.04	-0.16	1.24e-05	0.0	-2.52e-06

2213	310	-0.29	0.78	-0.16	-1.37e-04	0.0	1.49e-05
2214	44	-1.44	1.15	-0.24	-2.25e-04	0.0	3.90e-05
2214	68	-0.40	3.27	-0.20	9.24e-04	0.0	-1.06e-04
2214	76	-0.54	0.89	-0.25	-6.08e-04	0.0	6.72e-05
2214	116	-12.87	2.80	-0.23	-1.87e-04	0.0	-3.85e-04
2214	139	-1.30	12.31	-0.05	-1.07e-04	0.0	1.10e-04
2214	144	-5.52	-9.62	-0.30	-1.81e-04	0.0	-1.45e-04
2214	148	-14.43	3.03	-0.24	-1.91e-04	0.0	-4.35e-04
2214	171	-1.41	13.81	-0.04	-1.03e-04	0.0	1.22e-04
2214	176	-6.18	-10.99	-0.32	-1.86e-04	0.0	-1.66e-04
2214	180	-14.31	2.85	-0.24	-1.80e-04	0.0	-4.33e-04
2214	203	-1.30	14.06	-0.04	-1.07e-04	0.0	1.24e-04
2214	208	-6.19	-11.27	-0.32	-1.81e-04	0.0	-1.66e-04
2214	212	-16.72	3.09	-0.25	-1.84e-04	0.0	-5.14e-04
2214	235	-1.41	16.54	-0.01	-1.04e-04	0.0	1.44e-04
2214	240	-7.22	-13.55	-0.35	-1.87e-04	0.0	-1.99e-04
2214	264	-0.98	0.81	-0.18	-1.57e-04	0.0	2.67e-05
2214	276	-0.28	2.22	-0.15	6.08e-04	0.0	-6.97e-05
2214	280	-0.38	0.63	-0.18	-4.13e-04	0.0	4.55e-05
2214	298	-0.30	0.82	-0.17	-1.44e-04	0.0	1.62e-05
2214	305	-0.42	0.76	-0.16	-1.36e-04	0.0	1.71e-05
2214	307	-0.28	1.04	-0.16	1.67e-05	0.0	-2.17e-06
2214	310	-0.29	0.78	-0.16	-1.37e-04	0.0	1.50e-05
2215	44	-1.47	1.27	-0.24	-2.23e-04	0.0	3.81e-05
2215	68	-0.42	2.63	-0.20	1.07e-03	0.0	-4.04e-05
2215	76	-0.56	1.25	-0.25	-6.49e-04	0.0	4.50e-05
2215	116	-13.04	2.74	-0.14	-1.97e-04	0.0	-3.66e-04
2215	138	0.71	-10.64	-0.29	-1.95e-04	0.0	-1.31e-04
2215	139	-1.31	12.34	-0.04	-7.61e-05	0.0	1.58e-04
2215	148	-14.63	2.95	-0.14	-2.03e-04	0.0	-4.14e-04
2215	170	0.82	-12.13	-0.31	-2.03e-04	0.0	-1.50e-04
2215	171	-1.42	13.83	-0.02	-6.84e-05	0.0	1.77e-04
2215	180	-14.50	2.77	-0.14	-1.92e-04	0.0	-4.15e-04
2215	202	0.71	-12.39	-0.31	-2.02e-04	0.0	-1.55e-04
2215	203	-1.31	14.09	-0.02	-6.92e-05	0.0	1.82e-04
2215	212	-16.94	2.99	-0.14	-1.99e-04	0.0	-4.95e-04
2215	234	0.82	-14.86	-0.34	-2.13e-04	0.0	-1.88e-04
2215	235	-1.42	16.56	7.62e-03	-5.79e-05	0.0	2.15e-04
2215	264	-1.00	0.89	-0.17	-1.56e-04	0.0	2.61e-05
2215	276	-0.29	1.80	-0.15	7.08e-04	0.0	-2.62e-05
2215	280	-0.39	0.88	-0.18	-4.40e-04	0.0	3.07e-05
2215	298	-0.31	0.90	-0.17	-1.42e-04	0.0	1.46e-05
2215	305	-0.43	0.83	-0.17	-1.35e-04	0.0	1.58e-05
2215	307	-0.29	1.01	-0.16	3.81e-05	0.0	5.33e-06
2215	310	-0.30	0.85	-0.16	-1.35e-04	0.0	1.36e-05
2216	44	-1.47	1.18	-0.23	-2.18e-04	0.0	4.01e-05
2216	68	-0.41	2.56	-0.17	1.11e-03	0.0	2.83e-05
2216	76	-0.56	1.19	-0.25	-6.54e-04	0.0	2.60e-05
2216	116	-13.03	3.38	-0.03	-2.08e-04	0.0	-3.56e-04
2216	138	0.70	-10.29	-0.43	-2.16e-04	0.0	-1.55e-04
2216	139	-1.30	11.93	0.11	-5.21e-05	0.0	1.83e-04
2216	148	-14.61	3.67	-0.02	-2.15e-04	0.0	-4.03e-04
2216	170	0.81	-11.74	-0.46	-2.27e-04	0.0	-1.78e-04
2216	171	-1.40	13.37	0.14	-4.14e-05	0.0	2.06e-04
2216	180	-14.49	3.48	-0.02	-2.01e-04	0.0	-4.05e-04
2216	202	0.69	-11.97	-0.47	-2.26e-04	0.0	-1.84e-04
2216	203	-1.29	13.60	0.15	-4.17e-05	0.0	2.12e-04
2216	212	-16.92	3.83	-1.58e-03	-2.10e-04	0.0	-4.83e-04
2216	234	0.80	-14.34	-0.52	-2.43e-04	0.0	-2.22e-04
2216	235	-1.40	15.97	0.20	-2.55e-05	0.0	2.50e-04
2216	264	-1.00	0.83	-0.17	-1.52e-04	0.0	2.76e-05
2216	276	-0.29	1.75	-0.13	7.30e-04	0.0	1.98e-05
2216	280	-0.39	0.84	-0.18	-4.43e-04	0.0	1.82e-05
2216	298	-0.31	0.86	-0.16	-1.41e-04	0.0	1.50e-05
2216	305	-0.43	0.80	-0.16	-1.33e-04	0.0	1.63e-05
2216	307	-0.29	0.98	-0.15	4.31e-05	0.0	1.48e-05
2216	310	-0.30	0.82	-0.16	-1.34e-04	0.0	1.41e-05
2217	44	-1.47	1.16	-0.27	-2.20e-04	0.0	4.22e-05
2217	68	-0.41	2.55	-0.19	3.88e-04	0.0	2.23e-04
2217	76	-0.56	1.18	-0.28	-4.39e-04	0.0	-3.00e-05
2217	116	-13.03	3.53	-0.32	-1.81e-04	0.0	-3.49e-04
2217	139	-1.30	11.84	0.13	-3.47e-04	0.0	1.98e-04
2217	144	-5.62	-8.99	-0.53	3.75e-05	0.0	-2.23e-04
2217	148	-14.61	3.84	-0.34	-1.86e-04	0.0	-3.96e-04
2217	171	-1.40	13.27	0.17	-3.75e-04	0.0	2.22e-04

2217	176	-6.30	-10.27	-0.58	6.02e-05	0.0	-2.55e-04
2217	180	-14.49	3.65	-0.34	-1.80e-04	0.0	-3.98e-04
2217	203	-1.29	13.49	0.18	-3.79e-04	0.0	2.29e-04
2217	208	-6.31	-10.53	-0.58	6.64e-05	0.0	-2.61e-04
2217	212	-16.93	4.03	-0.37	-1.85e-04	0.0	-4.75e-04
2217	235	-1.39	15.84	0.24	-4.24e-04	0.0	2.70e-04
2217	240	-7.36	-12.67	-0.66	1.05e-04	0.0	-3.14e-04
2217	264	-1.00	0.81	-0.20	-1.54e-04	0.0	2.92e-05
2217	276	-0.29	1.74	-0.14	2.52e-04	0.0	1.50e-04
2217	280	-0.39	0.83	-0.20	-3.00e-04	0.0	-1.90e-05
2217	305	-0.43	0.79	-0.18	-1.33e-04	0.0	1.72e-05
2217	307	-0.29	0.97	-0.16	-5.20e-05	0.0	4.13e-05
2217	310	-0.30	0.81	-0.17	-1.34e-04	0.0	1.50e-05
2218	44	-1.43	1.02	-0.34	-2.19e-04	0.0	4.68e-05
2218	68	-0.39	2.38	-0.21	-1.94e-04	0.0	7.47e-04
2218	116	-12.85	3.55	-0.53	-2.52e-04	0.0	-3.02e-04
2218	139	-1.29	11.43	0.21	-6.12e-04	0.0	4.28e-04
2218	144	-5.51	-8.74	-0.76	2.82e-04	0.0	-4.32e-04
2218	148	-14.41	3.88	-0.57	-2.65e-04	0.0	-3.44e-04
2218	171	-1.40	12.82	0.27	-6.75e-04	0.0	4.82e-04
2218	176	-6.17	-9.99	-0.84	3.36e-04	0.0	-4.91e-04
2218	180	-14.29	3.69	-0.57	-2.57e-04	0.0	-3.54e-04
2218	203	-1.29	13.03	0.28	-6.84e-04	0.0	4.95e-04
2218	208	-6.18	-10.23	-0.85	3.47e-04	0.0	-5.06e-04
2218	212	-16.70	4.10	-0.65	-2.73e-04	0.0	-4.27e-04
2218	235	-1.40	15.30	0.37	-7.86e-04	0.0	5.86e-04
2218	240	-7.21	-12.30	-0.97	4.38e-04	0.0	-6.06e-04
2218	264	-0.97	0.72	-0.24	-1.54e-04	0.0	3.26e-05
2218	276	-0.28	1.63	-0.16	-1.37e-04	0.0	4.99e-04
2218	305	-0.41	0.71	-0.20	-1.32e-04	0.0	1.86e-05
2218	307	-0.27	0.89	-0.19	-1.28e-04	0.0	1.12e-04
2218	310	-0.28	0.73	-0.20	-1.33e-04	0.0	1.64e-05
2219	28	-1.14	1.41	-0.34	-1.88e-04	-1.19e-04	3.82e-05
2219	44	-1.47	1.14	-0.34	-1.59e-04	-1.28e-04	4.12e-05
2219	68	-0.41	2.53	-0.22	-2.08e-04	-7.60e-05	3.09e-05
2219	116	-13.03	3.68	-0.53	2.66e-05	-3.56e-04	-3.49e-04
2219	139	-1.30	11.74	0.21	-3.12e-04	-4.89e-05	1.63e-04
2219	144	-5.62	-8.89	-0.76	1.62e-04	-2.11e-04	-1.89e-04
2219	148	-14.62	4.01	-0.57	4.37e-05	-3.94e-04	-3.95e-04
2219	171	-1.40	13.16	0.26	-3.39e-04	-4.82e-05	1.83e-04
2219	176	-6.30	-10.16	-0.84	1.96e-04	-2.31e-04	-2.15e-04
2219	180	-14.49	3.82	-0.57	4.71e-05	-3.92e-04	-3.97e-04
2219	203	-1.29	13.38	0.28	-3.46e-04	-4.40e-05	1.88e-04
2219	208	-6.31	-10.41	-0.85	2.03e-04	-2.32e-04	-2.20e-04
2219	212	-16.93	4.23	-0.65	7.69e-05	-4.51e-04	-4.72e-04
2219	235	-1.39	15.70	0.37	-3.92e-04	-4.09e-05	2.21e-04
2219	240	-7.36	-12.52	-0.97	2.60e-04	-2.65e-04	-2.64e-04
2219	256	-0.77	0.98	-0.24	-1.30e-04	-8.20e-05	2.64e-05
2219	264	-1.00	0.80	-0.24	-1.11e-04	-8.83e-05	2.85e-05
2219	276	-0.29	1.72	-0.16	-1.43e-04	-5.36e-05	2.16e-05
2219	305	-0.43	0.78	-0.21	-1.03e-04	-5.53e-05	1.68e-05
2219	307	-0.29	0.96	-0.19	-1.09e-04	-4.83e-05	1.55e-05
2219	310	-0.30	0.80	-0.20	-1.05e-04	-4.91e-05	1.44e-05
2220	28	-0.77	0.79	-0.33	-3.06e-04	0.0	3.95e-05
2220	44	-1.07	0.63	-0.31	-2.60e-04	0.0	3.87e-05
2220	68	-0.20	2.11	-0.25	-8.98e-04	0.0	-2.98e-04
2220	116	-10.86	1.85	-0.45	-2.84e-04	0.0	-3.15e-04
2220	139	-1.12	10.52	-0.03	-9.99e-04	0.0	-1.51e-04
2220	144	-4.50	-8.70	-0.48	6.01e-04	0.0	1.29e-04
2220	148	-12.19	2.00	-0.49	-2.98e-04	0.0	-3.56e-04
2220	171	-1.23	11.83	-5.92e-03	-1.11e-03	0.0	-1.71e-04
2220	176	-5.06	-9.90	-0.52	7.01e-04	0.0	1.43e-04
2220	180	-12.08	1.85	-0.49	-2.85e-04	0.0	-3.52e-04
2220	203	-1.14	12.06	1.79e-03	-1.13e-03	0.0	-1.60e-04
2220	208	-5.06	-10.16	-0.52	7.21e-04	0.0	1.34e-04
2220	212	-14.13	2.00	-0.54	-2.99e-04	0.0	-4.18e-04
2220	235	-1.26	14.24	0.04	-1.31e-03	0.0	-1.88e-04
2220	240	-5.91	-12.17	-0.59	8.87e-04	0.0	1.51e-04
2220	256	-0.52	0.55	-0.23	-2.12e-04	0.0	2.68e-05
2220	264	-0.72	0.44	-0.23	-1.81e-04	0.0	2.63e-05
2220	276	-0.14	1.43	-0.19	-6.07e-04	0.0	-1.98e-04
2220	298	-0.15	0.47	-0.20	-1.72e-04	0.0	1.76e-05
2220	305	-0.26	0.43	-0.20	-1.62e-04	0.0	1.81e-05
2220	307	-0.14	0.63	-0.19	-2.47e-04	0.0	-2.67e-05
2220	310	-0.15	0.44	-0.20	-1.62e-04	0.0	1.61e-05

2221	28	-0.81	0.95	-0.33	-3.01e-04	0.0	5.22e-05
2221	44	-1.11	0.76	-0.32	-2.56e-04	0.0	4.80e-05
2221	68	-0.22	2.57	-0.25	-8.36e-04	0.0	-5.68e-04
2221	116	-11.17	2.00	-0.45	-2.74e-04	0.0	-3.53e-04
2221	139	-1.15	11.04	-0.03	-9.71e-04	0.0	-1.97e-04
2221	144	-4.65	-9.02	-0.48	5.81e-04	0.0	1.76e-04
2221	148	-12.54	2.16	-0.49	-2.87e-04	0.0	-3.98e-04
2221	171	-1.26	12.41	-6.53e-03	-1.08e-03	0.0	-2.24e-04
2221	176	-5.22	-10.27	-0.52	6.78e-04	0.0	1.94e-04
2221	180	-12.43	2.00	-0.49	-2.75e-04	0.0	-3.89e-04
2221	203	-1.16	12.65	1.19e-03	-1.09e-03	0.0	-2.11e-04
2221	208	-5.22	-10.54	-0.53	6.97e-04	0.0	1.83e-04
2221	212	-14.53	2.15	-0.54	-2.87e-04	0.0	-4.60e-04
2221	235	-1.29	14.92	0.04	-1.27e-03	0.0	-2.47e-04
2221	240	-6.11	-12.63	-0.59	8.58e-04	0.0	2.07e-04
2221	256	-0.55	0.66	-0.24	-2.08e-04	0.0	3.54e-05
2221	264	-0.75	0.53	-0.23	-1.78e-04	0.0	3.27e-05
2221	276	-0.15	1.74	-0.19	-5.65e-04	0.0	-3.78e-04
2221	298	-0.17	0.56	-0.20	-1.69e-04	0.0	2.52e-05
2221	305	-0.28	0.52	-0.20	-1.59e-04	0.0	2.49e-05
2221	307	-0.16	0.76	-0.19	-2.36e-04	0.0	-5.72e-05
2221	310	-0.16	0.53	-0.20	-1.60e-04	0.0	2.28e-05
2222	28	-0.83	1.11	-0.33	-2.99e-04	0.0	5.66e-05
2222	44	-1.15	0.90	-0.32	-2.54e-04	0.0	5.12e-05
2222	68	-0.24	3.00	-0.26	-8.28e-04	0.0	-8.06e-04
2222	116	-11.42	2.14	-0.45	-2.71e-04	0.0	-3.92e-04
2222	139	-1.17	11.55	-0.03	-9.60e-04	0.0	-2.91e-04
2222	144	-4.77	-9.32	-0.48	5.73e-04	0.0	2.62e-04
2222	148	-12.81	2.31	-0.48	-2.83e-04	0.0	-4.42e-04
2222	171	-1.28	12.98	-8.17e-03	-1.06e-03	0.0	-3.30e-04
2222	176	-5.35	-10.62	-0.52	6.69e-04	0.0	2.91e-04
2222	180	-12.70	2.14	-0.49	-2.71e-04	0.0	-4.29e-04
2222	203	-1.19	13.23	-5.11e-04	-1.08e-03	0.0	-3.20e-04
2222	208	-5.35	-10.91	-0.52	6.88e-04	0.0	2.84e-04
2222	212	-14.85	2.30	-0.54	-2.83e-04	0.0	-5.05e-04
2222	235	-1.31	15.59	0.04	-1.25e-03	0.0	-3.78e-04
2222	240	-6.25	-13.08	-0.58	8.48e-04	0.0	3.28e-04
2222	256	-0.57	0.77	-0.24	-2.07e-04	0.0	3.84e-05
2222	264	-0.77	0.63	-0.23	-1.77e-04	0.0	3.48e-05
2222	276	-0.17	2.03	-0.19	-5.60e-04	0.0	-5.37e-04
2222	298	-0.18	0.65	-0.20	-1.68e-04	0.0	2.77e-05
2222	305	-0.29	0.60	-0.20	-1.58e-04	0.0	2.72e-05
2222	307	-0.17	0.88	-0.19	-2.35e-04	0.0	-8.70e-05
2222	310	-0.17	0.61	-0.20	-1.59e-04	0.0	2.51e-05
2223	44	-1.47	1.20	-0.25	-2.20e-04	0.0	3.86e-05
2223	68	-0.41	2.58	-0.19	1.31e-03	0.0	3.78e-05
2223	76	-0.56	1.20	-0.26	-7.18e-04	0.0	2.16e-05
2223	116	-13.03	3.26	-0.09	-3.15e-04	0.0	-3.61e-04
2223	138	0.70	-10.36	-0.40	-2.67e-04	0.0	-1.42e-04
2223	139	-1.30	12.01	0.06	-4.19e-06	0.0	1.69e-04
2223	148	-14.61	3.54	-0.08	-3.34e-04	0.0	-4.09e-04
2223	170	0.81	-11.81	-0.43	-2.84e-04	0.0	-1.62e-04
2223	171	-1.41	13.46	0.09	1.31e-05	0.0	1.90e-04
2223	180	-14.49	3.35	-0.08	-3.18e-04	0.0	-4.10e-04
2223	202	0.69	-12.04	-0.44	-2.86e-04	0.0	-1.68e-04
2223	203	-1.29	13.69	0.09	1.55e-05	0.0	1.95e-04
2223	212	-16.92	3.67	-0.07	-3.47e-04	0.0	-4.89e-04
2223	234	0.80	-14.43	-0.48	-3.14e-04	0.0	-2.03e-04
2223	235	-1.40	16.08	0.14	4.32e-05	0.0	2.30e-04
2223	264	-1.00	0.84	-0.18	-1.54e-04	0.0	2.65e-05
2223	276	-0.29	1.76	-0.15	8.65e-04	0.0	2.60e-05
2223	280	-0.39	0.84	-0.19	-4.86e-04	0.0	1.52e-05
2223	298	-0.31	0.87	-0.17	-1.43e-04	0.0	1.45e-05
2223	305	-0.43	0.80	-0.17	-1.35e-04	0.0	1.57e-05
2223	307	-0.29	0.99	-0.16	6.90e-05	0.0	1.56e-05
2223	310	-0.30	0.82	-0.17	-1.35e-04	0.0	1.35e-05
2224	44	-1.41	0.98	-0.25	-2.20e-04	0.0	3.46e-05
2224	68	-0.39	3.86	-0.19	1.27e-03	0.0	1.68e-04
2224	76	-0.52	0.49	-0.26	-7.07e-04	0.0	-2.23e-05
2224	116	-12.68	3.21	-0.09	-2.26e-04	0.0	-3.38e-04
2224	138	0.75	-10.66	-0.40	-2.50e-04	0.0	-2.11e-04
2224	139	-1.30	12.04	0.06	-2.11e-05	0.0	2.34e-04
2224	148	-14.23	3.50	-0.08	-2.35e-04	0.0	-3.82e-04
2224	170	0.85	-12.14	-0.43	-2.65e-04	0.0	-2.41e-04
2224	171	-1.40	13.51	0.09	-6.04e-06	0.0	2.64e-04

2224	180	-14.10	3.31	-0.08	-2.21e-04	0.0	-3.86e-04
2224	202	0.74	-12.37	-0.44	-2.67e-04	0.0	-2.49e-04
2224	203	-1.30	13.75	0.09	-4.45e-06	0.0	2.72e-04
2224	212	-16.48	3.64	-0.07	-2.32e-04	0.0	-4.61e-04
2224	234	0.86	-14.79	-0.48	-2.90e-04	0.0	-2.99e-04
2224	235	-1.41	16.17	0.14	1.94e-05	0.0	3.22e-04
2224	264	-0.95	0.69	-0.18	-1.54e-04	0.0	2.37e-05
2224	276	-0.27	2.61	-0.14	8.39e-04	0.0	1.12e-04
2224	280	-0.36	0.36	-0.19	-4.78e-04	0.0	-1.43e-05
2224	298	-0.29	0.73	-0.17	-1.43e-04	0.0	1.25e-05
2224	305	-0.40	0.67	-0.17	-1.35e-04	0.0	1.38e-05
2224	307	-0.27	1.05	-0.16	6.38e-05	0.0	3.15e-05
2224	310	-0.28	0.69	-0.17	-1.36e-04	0.0	1.16e-05
2225	28	-0.79	0.66	-0.43	0.0	-1.09e-04	3.78e-05
2225	44	-1.09	0.49	-0.41	0.0	-1.19e-04	4.37e-05
2225	68	-0.21	1.68	-0.32	0.0	-6.38e-05	2.49e-05
2225	116	-10.82	2.86	-0.48	0.0	-7.68e-04	2.68e-05
2225	139	-1.18	9.74	0.01	0.0	-8.23e-05	1.76e-04
2225	144	-4.49	-7.90	-0.62	0.0	-3.61e-04	-6.29e-05
2225	148	-12.15	3.15	-0.51	0.0	-8.58e-04	2.71e-05
2225	171	-1.30	10.95	0.05	0.0	-8.57e-05	1.96e-04
2225	176	-5.04	-8.98	-0.67	0.0	-4.02e-04	-7.29e-05
2225	180	-12.03	2.99	-0.51	0.0	-8.50e-04	1.78e-05
2225	203	-1.21	11.14	0.06	0.0	-7.78e-05	1.95e-04
2225	208	-5.03	-9.20	-0.68	0.0	-4.03e-04	-7.50e-05
2225	212	-14.07	3.34	-0.56	0.0	-9.89e-04	1.50e-05
2225	235	-1.34	13.12	0.12	0.0	-7.94e-05	2.28e-04
2225	240	-5.88	-11.00	-0.76	0.0	-4.67e-04	-9.23e-05
2225	256	-0.53	0.46	-0.30	0.0	-7.50e-05	2.59e-05
2225	264	-0.73	0.34	-0.29	0.0	-8.17e-05	2.99e-05
2225	276	-0.15	1.14	-0.23	0.0	-4.49e-05	1.73e-05
2225	298	-0.16	0.43	-0.25	0.0	-4.59e-05	1.33e-05
2225	305	-0.27	0.38	-0.25	0.0	-5.03e-05	1.57e-05
2225	307	-0.15	0.54	-0.24	0.0	-4.29e-05	1.32e-05
2225	310	-0.16	0.40	-0.25	0.0	-4.39e-05	1.26e-05
2226	28	-0.85	0.80	-0.43	0.0	-1.15e-04	5.17e-05
2226	44	-1.15	0.60	-0.41	0.0	-1.26e-04	5.81e-05
2226	68	-0.24	1.83	-0.32	0.0	-6.81e-05	3.51e-05
2226	116	-11.22	3.02	-0.48	0.0	-7.63e-04	1.14e-04
2226	139	-1.23	10.11	0.02	0.0	-7.75e-05	1.88e-04
2226	144	-4.67	-8.08	-0.63	0.0	-3.68e-04	-8.31e-06
2226	148	-12.59	3.31	-0.51	0.0	-8.53e-04	1.25e-04
2226	171	-1.34	11.36	0.05	0.0	-7.99e-05	2.09e-04
2226	176	-5.25	-9.20	-0.68	0.0	-4.09e-04	-1.21e-05
2226	180	-12.48	3.14	-0.52	0.0	-8.45e-04	1.14e-04
2226	203	-1.25	11.54	0.06	0.0	-7.19e-05	2.07e-04
2226	208	-5.25	-9.42	-0.69	0.0	-4.11e-04	-1.41e-05
2226	212	-14.59	3.51	-0.57	0.0	-9.83e-04	1.26e-04
2226	235	-1.38	13.59	0.12	0.0	-7.18e-05	2.39e-04
2226	240	-6.13	-11.28	-0.77	0.0	-4.76e-04	-2.17e-05
2226	256	-0.57	0.55	-0.30	0.0	-7.94e-05	3.56e-05
2226	264	-0.78	0.42	-0.29	0.0	-8.64e-05	3.99e-05
2226	276	-0.17	1.24	-0.23	0.0	-4.79e-05	2.46e-05
2226	298	-0.19	0.50	-0.26	0.0	-4.87e-05	1.98e-05
2226	305	-0.29	0.45	-0.25	0.0	-5.33e-05	2.24e-05
2226	307	-0.17	0.62	-0.24	0.0	-4.56e-05	1.93e-05
2226	310	-0.18	0.47	-0.25	0.0	-4.66e-05	1.88e-05
2227	28	-0.91	0.93	-0.43	0.0	-1.24e-04	5.42e-05
2227	44	-1.22	0.71	-0.41	0.0	-1.34e-04	6.03e-05
2227	68	-0.28	1.97	-0.32	0.0	-7.37e-05	3.78e-05
2227	116	-11.64	3.16	-0.49	0.0	-7.56e-04	1.63e-04
2227	139	-1.27	10.46	0.02	0.0	-7.21e-05	2.05e-04
2227	144	-4.88	-8.26	-0.63	0.0	-3.76e-04	3.27e-06
2227	148	-13.06	3.46	-0.52	0.0	-8.44e-04	1.79e-04
2227	171	-1.39	11.75	0.05	0.0	-7.35e-05	2.29e-04
2227	176	-5.47	-9.41	-0.68	0.0	-4.17e-04	0.0
2227	180	-12.94	3.29	-0.52	0.0	-8.37e-04	1.68e-04
2227	203	-1.29	11.94	0.06	0.0	-6.52e-05	2.26e-04
2227	208	-5.47	-9.64	-0.69	0.0	-4.19e-04	-1.51e-06
2227	212	-15.12	3.67	-0.57	0.0	-9.73e-04	1.88e-04
2227	235	-1.42	14.05	0.12	0.0	-6.33e-05	2.62e-04
2227	240	-6.39	-11.56	-0.77	0.0	-4.85e-04	-7.30e-06
2227	256	-0.62	0.64	-0.31	0.0	-8.51e-05	3.74e-05
2227	264	-0.83	0.50	-0.29	0.0	-9.24e-05	4.14e-05
2227	276	-0.20	1.34	-0.23	0.0	-5.19e-05	2.64e-05

2227	298	-0.21	0.57	-0.26	0.0	-5.23e-05	2.11e-05
2227	305	-0.32	0.52	-0.25	0.0	-5.71e-05	2.36e-05
2227	307	-0.20	0.69	-0.24	0.0	-4.90e-05	2.06e-05
2227	310	-0.20	0.54	-0.25	0.0	-5.01e-05	2.00e-05
2228	28	-0.81	0.66	-0.51	0.0	-1.17e-04	3.22e-05
2228	44	-1.11	0.49	-0.47	0.0	-1.27e-04	3.77e-05
2228	68	-0.22	1.68	-0.41	0.0	-6.98e-05	2.08e-05
2228	116	-10.78	2.87	-0.44	0.0	-8.62e-04	3.29e-05
2228	139	-1.25	9.74	-0.15	0.0	-1.00e-04	1.86e-04
2228	144	-4.46	-7.89	-0.51	0.0	-3.96e-04	-8.41e-05
2228	148	-12.09	3.15	-0.46	0.0	-9.63e-04	3.45e-05
2228	171	-1.37	10.95	-0.13	0.0	-1.06e-04	2.08e-04
2228	176	-5.01	-8.98	-0.54	0.0	-4.41e-04	-9.65e-05
2228	180	-11.98	2.99	-0.46	0.0	-9.54e-04	2.65e-05
2228	203	-1.28	11.14	-0.12	0.0	-9.70e-05	2.08e-04
2228	208	-5.01	-9.20	-0.54	0.0	-4.42e-04	-9.87e-05
2228	212	-14.00	3.34	-0.49	0.0	-1.11e-03	2.61e-05
2228	235	-1.43	13.12	-0.09	0.0	-1.01e-04	2.44e-04
2228	240	-5.84	-11.00	-0.59	0.0	-5.11e-04	-1.20e-04
2228	256	-0.55	0.46	-0.36	0.0	-8.03e-05	2.20e-05
2228	264	-0.75	0.34	-0.33	0.0	-8.71e-05	2.58e-05
2228	276	-0.16	1.14	-0.29	0.0	-4.91e-05	1.45e-05
2228	298	-0.17	0.43	-0.30	0.0	-4.95e-05	1.09e-05
2228	305	-0.28	0.38	-0.30	0.0	-5.39e-05	1.30e-05
2228	307	-0.16	0.54	-0.29	0.0	-4.64e-05	1.08e-05
2228	310	-0.16	0.40	-0.29	0.0	-4.74e-05	1.03e-05
2229	28	-0.87	0.80	-0.51	0.0	-1.19e-04	3.90e-05
2229	44	-1.18	0.60	-0.48	0.0	-1.29e-04	4.46e-05
2229	68	-0.26	1.83	-0.42	0.0	-7.12e-05	2.64e-05
2229	116	-11.24	3.02	-0.44	0.0	-8.05e-04	3.09e-05
2229	139	-1.30	10.11	-0.15	0.0	-9.10e-05	1.84e-04
2229	144	-4.67	-8.08	-0.52	0.0	-3.79e-04	-6.19e-05
2229	148	-12.61	3.31	-0.46	0.0	-8.99e-04	3.16e-05
2229	171	-1.42	11.36	-0.13	0.0	-9.50e-05	2.05e-04
2229	176	-5.24	-9.20	-0.55	0.0	-4.22e-04	-7.19e-05
2229	180	-12.49	3.14	-0.47	0.0	-8.90e-04	2.15e-05
2229	203	-1.33	11.54	-0.12	0.0	-8.68e-05	2.04e-04
2229	208	-5.24	-9.42	-0.55	0.0	-4.23e-04	-7.42e-05
2229	212	-14.59	3.51	-0.50	0.0	-1.03e-03	1.88e-05
2229	235	-1.48	13.59	-0.09	0.0	-8.90e-05	2.38e-04
2229	240	-6.12	-11.28	-0.60	0.0	-4.89e-04	-9.16e-05
2229	256	-0.59	0.55	-0.36	0.0	-8.18e-05	2.68e-05
2229	264	-0.80	0.42	-0.34	0.0	-8.86e-05	3.06e-05
2229	276	-0.18	1.24	-0.30	0.0	-5.01e-05	1.84e-05
2229	298	-0.20	0.50	-0.31	0.0	-5.04e-05	1.41e-05
2229	305	-0.31	0.45	-0.30	0.0	-5.49e-05	1.64e-05
2229	307	-0.18	0.62	-0.29	0.0	-4.73e-05	1.40e-05
2229	310	-0.19	0.47	-0.30	0.0	-4.83e-05	1.34e-05
2230	28	-0.93	0.93	-0.52	0.0	-1.21e-04	3.98e-05
2230	44	-1.25	0.71	-0.48	0.0	-1.31e-04	4.50e-05
2230	68	-0.30	1.97	-0.42	0.0	-7.26e-05	2.79e-05
2230	116	-11.65	3.16	-0.45	0.0	-7.12e-04	3.07e-05
2230	139	-1.35	10.46	-0.14	0.0	-7.68e-05	1.94e-04
2230	144	-4.87	-8.26	-0.53	0.0	-3.51e-04	-6.97e-05
2230	148	-13.07	3.46	-0.47	0.0	-7.95e-04	3.12e-05
2230	171	-1.47	11.75	-0.12	0.0	-7.90e-05	2.17e-04
2230	176	-5.46	-9.41	-0.56	0.0	-3.89e-04	-8.08e-05
2230	180	-12.95	3.29	-0.47	0.0	-7.88e-04	2.08e-05
2230	203	-1.38	11.94	-0.12	0.0	-7.14e-05	2.17e-04
2230	208	-5.46	-9.64	-0.56	0.0	-3.91e-04	-8.35e-05
2230	212	-15.13	3.67	-0.51	0.0	-9.15e-04	1.77e-05
2230	235	-1.53	14.05	-0.08	0.0	-7.11e-05	2.53e-04
2230	240	-6.37	-11.55	-0.61	0.0	-4.51e-04	-1.03e-04
2230	256	-0.63	0.64	-0.36	0.0	-8.30e-05	2.74e-05
2230	264	-0.84	0.50	-0.34	0.0	-8.98e-05	3.09e-05
2230	276	-0.21	1.34	-0.30	0.0	-5.11e-05	1.94e-05
2230	298	-0.22	0.57	-0.31	0.0	-5.13e-05	1.48e-05
2230	305	-0.34	0.52	-0.30	0.0	-5.58e-05	1.69e-05
2230	307	-0.21	0.69	-0.29	0.0	-4.81e-05	1.46e-05
2230	310	-0.21	0.54	-0.30	0.0	-4.91e-05	1.40e-05
2231	28	-0.82	0.67	-0.58	0.0	-1.22e-04	2.73e-05
2231	44	-1.13	0.49	-0.53	0.0	-1.32e-04	3.26e-05
2231	68	-0.23	1.68	-0.49	0.0	-7.42e-05	1.73e-05
2231	116	-10.69	2.87	-0.43	0.0	-9.08e-04	-2.33e-04
2231	139	-1.30	9.74	-0.27	0.0	-1.14e-04	1.15e-04

2231	144	-4.43	-7.89	-0.45	0.0	-4.11e-04	-1.07e-04
2231	148	-12.00	3.15	-0.44	0.0	-1.01e-03	-2.63e-04
2231	171	-1.43	10.95	-0.26	0.0	-1.21e-04	1.30e-04
2231	176	-4.97	-8.98	-0.46	0.0	-4.57e-04	-1.22e-04
2231	180	-11.88	2.99	-0.44	0.0	-1.00e-03	-2.62e-04
2231	203	-1.34	11.14	-0.26	0.0	-1.12e-04	1.32e-04
2231	208	-4.96	-9.19	-0.46	0.0	-4.58e-04	-1.24e-04
2231	212	-13.88	3.34	-0.46	0.0	-1.17e-03	-3.12e-04
2231	235	-1.50	13.12	-0.24	0.0	-1.18e-04	1.56e-04
2231	240	-5.79	-11.00	-0.49	0.0	-5.30e-04	-1.50e-04
2231	256	-0.56	0.46	-0.41	0.0	-8.38e-05	1.87e-05
2231	264	-0.76	0.34	-0.37	0.0	-9.06e-05	2.22e-05
2231	276	-0.16	1.14	-0.35	0.0	-5.22e-05	1.20e-05
2231	298	-0.18	0.43	-0.35	0.0	-5.19e-05	8.80e-06
2231	305	-0.28	0.38	-0.34	0.0	-5.64e-05	1.08e-05
2231	307	-0.16	0.54	-0.33	0.0	-4.87e-05	8.77e-06
2231	310	-0.17	0.40	-0.33	0.0	-4.97e-05	8.27e-06
2232	44	-1.11	0.61	-0.26	-2.16e-04	0.0	2.41e-05
2232	68	-0.22	2.53	-0.18	-6.55e-04	0.0	1.24e-03
2232	76	-0.31	0.37	-0.27	-1.24e-04	0.0	-3.62e-04
2232	116	-11.13	2.96	-0.30	-3.22e-04	0.0	-3.14e-04
2232	139	-1.14	10.48	0.12	-8.66e-04	0.0	6.05e-04
2232	144	-4.64	-8.44	-0.51	5.00e-04	0.0	-6.29e-04
2232	148	-12.50	3.25	-0.32	-3.44e-04	0.0	-3.55e-04
2232	171	-1.25	11.78	0.16	-9.61e-04	0.0	6.85e-04
2232	176	-5.21	-9.61	-0.55	5.83e-04	0.0	-7.13e-04
2232	180	-12.38	3.08	-0.32	-3.31e-04	0.0	-3.63e-04
2232	203	-1.16	11.98	0.17	-9.74e-04	0.0	7.03e-04
2232	208	-5.21	-9.84	-0.56	6.00e-04	0.0	-7.33e-04
2232	212	-14.48	3.43	-0.36	-3.58e-04	0.0	-4.36e-04
2232	235	-1.28	14.11	0.23	-1.13e-03	0.0	8.36e-04
2232	240	-6.09	-11.78	-0.63	7.39e-04	0.0	-8.74e-04
2232	264	-0.75	0.43	-0.19	-1.51e-04	0.0	1.68e-05
2232	276	-0.15	1.71	-0.13	-4.44e-04	0.0	8.25e-04
2232	280	-0.22	0.27	-0.19	-8.96e-05	0.0	-2.41e-04
2232	305	-0.28	0.45	-0.17	-1.33e-04	0.0	4.74e-06
2232	307	-0.16	0.71	-0.16	-1.91e-04	0.0	1.66e-04
2232	310	-0.17	0.47	-0.17	-1.33e-04	0.0	2.73e-06
2233	44	-1.16	0.74	-0.22	-2.20e-04	0.0	3.08e-05
2233	68	-0.24	3.78	-0.16	-5.08e-04	0.0	1.69e-03
2233	92	-0.31	-0.54	-0.24	-8.49e-05	0.0	-8.21e-04
2233	116	-11.40	3.10	1.47e-03	-2.89e-04	0.0	-3.74e-04
2233	138	0.80	-10.30	-0.42	5.26e-04	0.0	-7.44e-04
2233	139	-1.16	11.39	0.11	-7.96e-04	0.0	7.56e-04
2233	148	-12.80	3.39	0.02	-3.06e-04	0.0	-4.23e-04
2233	170	0.90	-11.71	-0.45	6.12e-04	0.0	-8.43e-04
2233	171	-1.27	12.80	0.14	-8.82e-04	0.0	8.55e-04
2233	180	-12.69	3.21	0.01	-2.95e-04	0.0	-4.27e-04
2233	202	0.81	-11.93	-0.45	6.25e-04	0.0	-8.66e-04
2233	203	-1.17	13.02	0.15	-8.95e-04	0.0	8.78e-04
2233	212	-14.83	3.56	0.04	-3.16e-04	0.0	-5.11e-04
2233	234	0.93	-14.24	-0.51	7.66e-04	0.0	-1.03e-03
2233	235	-1.29	15.33	0.20	-1.04e-03	0.0	1.04e-03
2233	264	-0.78	0.52	-0.16	-1.54e-04	0.0	2.16e-05
2233	276	-0.17	2.54	-0.12	-3.46e-04	0.0	1.13e-03
2233	288	-0.21	-0.33	-0.17	-6.38e-05	0.0	-5.46e-04
2233	298	-0.19	0.58	-0.16	-1.42e-04	0.0	5.34e-06
2233	305	-0.30	0.53	-0.15	-1.34e-04	0.0	8.05e-06
2233	307	-0.17	0.93	-0.15	-1.73e-04	0.0	2.29e-04
2233	310	-0.18	0.55	-0.15	-1.35e-04	0.0	6.03e-06
2234	44	-1.17	0.73	-0.27	-2.15e-04	0.0	3.06e-05
2234	68	-0.25	2.84	-0.18	-3.97e-04	0.0	1.56e-03
2234	76	-0.35	0.45	-0.27	-2.00e-04	0.0	-4.52e-04
2234	116	-11.46	3.13	-0.31	-2.81e-04	0.0	-3.66e-04
2234	139	-1.17	10.92	0.12	-7.33e-04	0.0	7.39e-04
2234	144	-4.81	-8.69	-0.52	3.88e-04	0.0	-7.64e-04
2234	148	-12.86	3.42	-0.33	-2.98e-04	0.0	-4.13e-04
2234	171	-1.28	12.26	0.16	-8.11e-04	0.0	8.36e-04
2234	176	-5.40	-9.90	-0.56	4.56e-04	0.0	-8.66e-04
2234	180	-12.75	3.25	-0.33	-2.87e-04	0.0	-4.18e-04
2234	203	-1.18	12.47	0.17	-8.22e-04	0.0	8.58e-04
2234	208	-5.40	-10.14	-0.57	4.70e-04	0.0	-8.91e-04
2234	212	-14.90	3.61	-0.36	-3.08e-04	0.0	-5.01e-04
2234	235	-1.30	14.68	0.24	-9.50e-04	0.0	1.02e-03
2234	240	-6.31	-12.15	-0.65	5.84e-04	0.0	-1.06e-03

2234	264	-0.79	0.51	-0.19	-1.50e-04	0.0	2.14e-05
2234	276	-0.18	1.92	-0.13	-2.72e-04	0.0	1.04e-03
2234	280	-0.24	0.33	-0.20	-1.40e-04	0.0	-3.00e-04
2234	305	-0.30	0.52	-0.17	-1.32e-04	0.0	7.86e-06
2234	307	-0.18	0.80	-0.16	-1.56e-04	0.0	2.12e-04
2234	310	-0.19	0.54	-0.17	-1.33e-04	0.0	5.84e-06
2235	28	-0.89	0.80	-0.59	0.0	-1.22e-04	3.11e-05
2235	44	-1.20	0.60	-0.54	0.0	-1.32e-04	3.62e-05
2235	68	-0.27	1.83	-0.50	0.0	-7.42e-05	2.08e-05
2235	116	-11.17	3.02	-0.44	0.0	-8.21e-04	-2.21e-04
2235	139	-1.36	10.11	-0.27	0.0	-1.02e-04	1.25e-04
2235	144	-4.64	-8.07	-0.45	0.0	-3.82e-04	-1.03e-04
2235	148	-12.54	3.31	-0.45	0.0	-9.17e-04	-2.50e-04
2235	171	-1.49	11.36	-0.26	0.0	-1.07e-04	1.40e-04
2235	176	-5.21	-9.19	-0.47	0.0	-4.25e-04	-1.18e-04
2235	180	-12.41	3.15	-0.45	0.0	-9.08e-04	-2.49e-04
2235	203	-1.40	11.54	-0.26	0.0	-9.86e-05	1.43e-04
2235	208	-5.20	-9.42	-0.47	0.0	-4.26e-04	-1.20e-04
2235	212	-14.50	3.51	-0.47	0.0	-1.06e-03	-2.97e-04
2235	235	-1.56	13.59	-0.24	0.0	-1.03e-04	1.68e-04
2235	240	-6.07	-11.27	-0.50	0.0	-4.92e-04	-1.45e-04
2235	256	-0.60	0.56	-0.41	0.0	-8.39e-05	2.13e-05
2235	264	-0.81	0.42	-0.38	0.0	-9.05e-05	2.47e-05
2235	276	-0.19	1.24	-0.35	0.0	-5.22e-05	1.45e-05
2235	298	-0.20	0.50	-0.35	0.0	-5.20e-05	1.07e-05
2235	305	-0.31	0.45	-0.34	0.0	-5.65e-05	1.27e-05
2235	307	-0.19	0.62	-0.33	0.0	-4.88e-05	1.06e-05
2235	310	-0.19	0.47	-0.34	0.0	-4.98e-05	1.01e-05
2236	28	-0.95	0.93	-0.59	0.0	-1.22e-04	3.31e-05
2236	44	-1.27	0.71	-0.54	0.0	-1.32e-04	3.79e-05
2236	68	-0.31	1.97	-0.50	0.0	-7.43e-05	2.31e-05
2236	116	-11.58	3.16	-0.44	0.0	-7.01e-04	-2.26e-04
2236	139	-1.41	10.46	-0.27	0.0	-8.38e-05	1.33e-04
2236	144	-4.84	-8.26	-0.46	0.0	-3.42e-04	-1.08e-04
2236	148	-12.99	3.46	-0.45	0.0	-7.81e-04	-2.56e-04
2236	171	-1.55	11.75	-0.26	0.0	-8.68e-05	1.49e-04
2236	176	-5.42	-9.41	-0.48	0.0	-3.79e-04	-1.23e-04
2236	180	-12.87	3.29	-0.46	0.0	-7.74e-04	-2.55e-04
2236	203	-1.45	11.94	-0.26	0.0	-7.95e-05	1.52e-04
2236	208	-5.42	-9.64	-0.48	0.0	-3.81e-04	-1.26e-04
2236	212	-15.03	3.67	-0.48	0.0	-8.99e-04	-3.04e-04
2236	235	-1.62	14.05	-0.24	0.0	-8.07e-05	1.79e-04
2236	240	-6.32	-11.55	-0.50	0.0	-4.39e-04	-1.53e-04
2236	256	-0.65	0.64	-0.41	0.0	-8.39e-05	2.28e-05
2236	264	-0.86	0.50	-0.38	0.0	-9.05e-05	2.60e-05
2236	276	-0.22	1.34	-0.36	0.0	-5.23e-05	1.61e-05
2236	298	-0.23	0.57	-0.35	0.0	-5.21e-05	1.18e-05
2236	305	-0.34	0.52	-0.34	0.0	-5.66e-05	1.37e-05
2236	307	-0.21	0.69	-0.34	0.0	-4.89e-05	1.18e-05
2236	310	-0.22	0.54	-0.34	0.0	-4.99e-05	1.12e-05
2237	28	-0.84	0.67	-0.65	0.0	-1.25e-04	2.49e-05
2237	44	-1.15	0.49	-0.59	0.0	-1.35e-04	3.00e-05
2237	68	-0.24	1.68	-0.57	0.0	-7.73e-05	1.55e-05
2237	116	-10.58	2.87	-0.45	0.0	-9.20e-04	-2.66e-04
2237	139	-1.35	9.74	-0.37	0.0	-1.24e-04	1.10e-04
2237	148	-11.87	3.15	-0.46	0.0	-1.03e-03	-3.01e-04
2237	171	-1.49	10.96	-0.37	0.0	-1.32e-04	1.24e-04
2237	180	-11.75	2.99	-0.46	0.0	-1.02e-03	-3.00e-04
2237	203	-1.40	11.14	-0.37	0.0	-1.23e-04	1.27e-04
2237	212	-13.73	3.35	-0.47	0.0	-1.18e-03	-3.57e-04
2237	235	-1.57	13.12	-0.37	0.0	-1.31e-04	1.50e-04
2237	256	-0.57	0.46	-0.46	0.0	-8.60e-05	1.71e-05
2237	264	-0.77	0.34	-0.42	0.0	-9.27e-05	2.04e-05
2237	276	-0.17	1.14	-0.40	0.0	-5.44e-05	1.08e-05
2237	298	-0.18	0.43	-0.39	0.0	-5.35e-05	7.82e-06
2237	305	-0.29	0.38	-0.38	0.0	-5.80e-05	9.73e-06
2237	307	-0.17	0.54	-0.37	0.0	-5.03e-05	7.80e-06
2237	310	-0.17	0.40	-0.37	0.0	-5.12e-05	7.33e-06
2238	28	-0.90	0.80	-0.66	0.0	-1.24e-04	2.75e-05
2238	44	-1.22	0.60	-0.60	0.0	-1.34e-04	3.23e-05
2238	68	-0.28	1.83	-0.58	0.0	-7.71e-05	1.82e-05
2238	116	-11.06	3.02	-0.46	0.0	-8.25e-04	-2.71e-04
2238	139	-1.42	10.11	-0.38	0.0	-1.10e-04	1.18e-04
2238	148	-12.41	3.31	-0.47	0.0	-9.21e-04	-3.06e-04
2238	171	-1.55	11.36	-0.37	0.0	-1.16e-04	1.33e-04

2238	180	-12.29	3.15	-0.47	0.0	-9.12e-04	-3.05e-04
2238	203	-1.47	11.54	-0.37	0.0	-1.08e-04	1.36e-04
2238	212	-14.35	3.51	-0.48	0.0	-1.06e-03	-3.63e-04
2238	235	-1.64	13.59	-0.37	0.0	-1.14e-04	1.60e-04
2238	256	-0.61	0.56	-0.46	0.0	-8.58e-05	1.89e-05
2238	264	-0.82	0.42	-0.42	0.0	-9.24e-05	2.21e-05
2238	276	-0.20	1.24	-0.41	0.0	-5.42e-05	1.26e-05
2238	298	-0.21	0.50	-0.39	0.0	-5.35e-05	9.17e-06
2238	305	-0.32	0.45	-0.38	0.0	-5.79e-05	1.10e-05
2238	307	-0.19	0.62	-0.38	0.0	-5.03e-05	9.15e-06
2238	310	-0.20	0.48	-0.38	0.0	-5.12e-05	8.64e-06
2239	28	-0.97	0.93	-0.67	0.0	-1.24e-04	3.03e-05
2239	44	-1.29	0.71	-0.61	0.0	-1.34e-04	3.49e-05
2239	68	-0.32	1.97	-0.59	0.0	-7.70e-05	2.10e-05
2239	116	-11.48	3.16	-0.46	0.0	-6.96e-04	-2.76e-04
2239	139	-1.47	10.46	-0.38	0.0	-9.12e-05	1.26e-04
2239	148	-12.87	3.47	-0.47	0.0	-7.76e-04	-3.12e-04
2239	171	-1.61	11.75	-0.38	0.0	-9.50e-05	1.41e-04
2239	180	-12.74	3.29	-0.47	0.0	-7.69e-04	-3.11e-04
2239	203	-1.52	11.94	-0.38	0.0	-8.80e-05	1.45e-04
2239	212	-14.88	3.67	-0.49	0.0	-8.92e-04	-3.71e-04
2239	235	-1.70	14.05	-0.37	0.0	-9.05e-05	1.70e-04
2239	256	-0.66	0.64	-0.47	0.0	-8.58e-05	2.08e-05
2239	264	-0.87	0.50	-0.43	0.0	-9.22e-05	2.39e-05
2239	276	-0.23	1.34	-0.41	0.0	-5.42e-05	1.46e-05
2239	298	-0.24	0.58	-0.40	0.0	-5.36e-05	1.06e-05
2239	305	-0.35	0.52	-0.38	0.0	-5.80e-05	1.25e-05
2239	307	-0.22	0.69	-0.38	0.0	-5.03e-05	1.06e-05
2239	310	-0.23	0.54	-0.38	0.0	-5.12e-05	1.01e-05
2240	28	-0.85	0.67	-0.74	0.0	-1.27e-04	2.39e-05
2240	44	-1.16	0.49	-0.67	0.0	-1.37e-04	2.86e-05
2240	68	-0.25	1.68	-0.66	0.0	-7.96e-05	1.45e-05
2240	116	-10.45	2.87	-0.50	0.0	-9.12e-04	-2.89e-04
2240	119	-9.14	6.81	-0.52	0.0	-7.89e-04	-1.44e-04
2240	139	-1.40	9.75	-0.48	0.0	-1.31e-04	1.05e-04
2240	148	-11.73	3.16	-0.51	0.0	-1.02e-03	-3.27e-04
2240	151	-10.24	7.61	-0.53	0.0	-8.80e-04	-1.62e-04
2240	171	-1.54	10.96	-0.49	0.0	-1.39e-04	1.18e-04
2240	180	-11.60	3.00	-0.51	0.0	-1.01e-03	-3.26e-04
2240	183	-10.08	7.55	-0.53	0.0	-8.65e-04	-1.58e-04
2240	203	-1.46	11.14	-0.49	0.0	-1.31e-04	1.20e-04
2240	212	-13.55	3.35	-0.52	0.0	-1.17e-03	-3.87e-04
2240	215	-11.72	8.79	-0.54	0.0	-9.99e-04	-1.86e-04
2240	235	-1.64	13.12	-0.50	0.0	-1.40e-04	1.42e-04
2240	256	-0.58	0.47	-0.51	0.0	-8.76e-05	1.63e-05
2240	264	-0.79	0.35	-0.47	0.0	-9.41e-05	1.95e-05
2240	276	-0.18	1.14	-0.46	0.0	-5.61e-05	1.00e-05
2240	298	-0.18	0.43	-0.44	0.0	-5.47e-05	7.47e-06
2240	305	-0.29	0.38	-0.42	0.0	-5.91e-05	9.29e-06
2240	307	-0.17	0.54	-0.42	0.0	-5.15e-05	7.41e-06
2240	310	-0.17	0.41	-0.42	0.0	-5.24e-05	6.98e-06
2241	44	-1.07	0.49	-0.32	-2.02e-04	0.0	1.83e-05
2241	68	-0.20	1.68	-0.20	-3.31e-04	0.0	7.00e-04
2241	116	-10.84	2.86	-0.53	-2.18e-04	0.0	-2.76e-04
2241	139	-1.12	9.74	0.23	-6.20e-04	0.0	3.94e-04
2241	144	-4.50	-7.90	-0.77	3.20e-04	0.0	-4.24e-04
2241	148	-12.17	3.15	-0.58	-2.28e-04	0.0	-3.12e-04
2241	171	-1.22	10.95	0.29	-6.84e-04	0.0	4.46e-04
2241	176	-5.05	-8.98	-0.85	3.78e-04	0.0	-4.80e-04
2241	180	-12.07	2.99	-0.59	-2.20e-04	0.0	-3.21e-04
2241	203	-1.14	11.13	0.30	-6.94e-04	0.0	4.59e-04
2241	208	-5.05	-9.20	-0.86	3.90e-04	0.0	-4.94e-04
2241	212	-14.11	3.34	-0.66	-2.31e-04	0.0	-3.86e-04
2241	235	-1.26	13.12	0.40	-7.99e-04	0.0	5.45e-04
2241	240	-5.91	-11.00	-0.99	4.88e-04	0.0	-5.88e-04
2241	264	-0.72	0.34	-0.23	-1.41e-04	0.0	1.24e-05
2241	276	-0.14	1.14	-0.14	-2.27e-04	0.0	4.67e-04
2241	305	-0.26	0.38	-0.19	-1.28e-04	0.0	2.20e-06
2241	307	-0.14	0.54	-0.18	-1.45e-04	0.0	9.31e-05
2241	310	-0.15	0.40	-0.19	-1.29e-04	0.0	0.0
2242	44	-1.12	0.60	-0.33	-2.08e-04	0.0	2.02e-05
2242	68	-0.22	1.83	-0.20	-3.28e-04	0.0	1.23e-03
2242	116	-11.13	3.02	-0.53	-2.63e-04	0.0	-3.17e-04
2242	139	-1.14	10.11	0.23	-6.70e-04	0.0	6.06e-04
2242	144	-4.64	-8.08	-0.77	3.37e-04	0.0	-6.35e-04

2242	148	-12.50	3.31	-0.58	-2.78e-04	0.0	-3.58e-04
2242	171	-1.25	11.36	0.28	-7.40e-04	0.0	6.86e-04
2242	176	-5.21	-9.20	-0.85	3.99e-04	0.0	-7.19e-04
2242	180	-12.39	3.14	-0.58	-2.69e-04	0.0	-3.65e-04
2242	203	-1.16	11.54	0.30	-7.50e-04	0.0	7.04e-04
2242	208	-5.21	-9.42	-0.86	4.11e-04	0.0	-7.40e-04
2242	212	-14.48	3.51	-0.66	-2.87e-04	0.0	-4.38e-04
2242	235	-1.28	13.59	0.39	-8.65e-04	0.0	8.38e-04
2242	240	-6.09	-11.28	-0.98	5.13e-04	0.0	-8.80e-04
2242	264	-0.75	0.42	-0.23	-1.46e-04	0.0	1.40e-05
2242	276	-0.16	1.24	-0.15	-2.25e-04	0.0	8.22e-04
2242	305	-0.28	0.45	-0.20	-1.29e-04	0.0	2.36e-06
2242	307	-0.16	0.62	-0.18	-1.45e-04	0.0	1.64e-04
2242	310	-0.17	0.47	-0.19	-1.30e-04	0.0	0.0
2243	28	-0.92	0.80	-0.74	0.0	-1.27e-04	2.61e-05
2243	44	-1.24	0.61	-0.68	0.0	-1.37e-04	3.06e-05
2243	68	-0.29	1.83	-0.67	0.0	-7.97e-05	1.68e-05
2243	116	-10.93	3.02	-0.51	0.0	-8.18e-04	-3.04e-04
2243	119	-9.55	7.09	-0.52	0.0	-7.05e-04	-1.51e-04
2243	139	-1.47	10.11	-0.49	0.0	-1.17e-04	1.11e-04
2243	148	-12.26	3.32	-0.52	0.0	-9.13e-04	-3.43e-04
2243	151	-10.70	7.91	-0.54	0.0	-7.85e-04	-1.71e-04
2243	171	-1.61	11.36	-0.50	0.0	-1.24e-04	1.25e-04
2243	180	-12.13	3.15	-0.51	0.0	-9.03e-04	-3.43e-04
2243	183	-10.53	7.85	-0.53	0.0	-7.71e-04	-1.66e-04
2243	203	-1.53	11.54	-0.50	0.0	-1.16e-04	1.28e-04
2243	212	-14.17	3.52	-0.53	0.0	-1.05e-03	-4.07e-04
2243	215	-12.25	9.13	-0.55	0.0	-8.91e-04	-1.96e-04
2243	235	-1.71	13.59	-0.51	0.0	-1.23e-04	1.51e-04
2243	256	-0.62	0.56	-0.52	0.0	-8.77e-05	1.79e-05
2243	264	-0.84	0.43	-0.47	0.0	-9.41e-05	2.09e-05
2243	276	-0.21	1.24	-0.47	0.0	-5.61e-05	1.17e-05
2243	298	-0.21	0.51	-0.44	0.0	-5.49e-05	8.71e-06
2243	305	-0.32	0.45	-0.43	0.0	-5.92e-05	1.05e-05
2243	307	-0.20	0.62	-0.43	0.0	-5.17e-05	8.64e-06
2243	310	-0.20	0.48	-0.43	0.0	-5.25e-05	8.17e-06
2244	28	-0.99	0.93	-0.75	0.0	-1.27e-04	2.93e-05
2244	44	-1.31	0.71	-0.68	0.0	-1.37e-04	3.35e-05
2244	68	-0.33	1.97	-0.67	0.0	-7.99e-05	2.00e-05
2244	116	-11.34	3.17	-0.51	0.0	-6.89e-04	-3.13e-04
2244	119	-9.90	7.35	-0.53	0.0	-5.89e-04	-1.54e-04
2244	139	-1.52	10.46	-0.49	0.0	-9.82e-05	1.19e-04
2244	148	-12.72	3.47	-0.52	0.0	-7.68e-04	-3.54e-04
2244	151	-11.09	8.20	-0.54	0.0	-6.55e-04	-1.74e-04
2244	171	-1.67	11.75	-0.50	0.0	-1.03e-04	1.34e-04
2244	180	-12.58	3.30	-0.52	0.0	-7.60e-04	-3.53e-04
2244	183	-10.91	8.14	-0.54	0.0	-6.44e-04	-1.69e-04
2244	203	-1.58	11.94	-0.50	0.0	-9.60e-05	1.37e-04
2244	212	-14.69	3.67	-0.54	0.0	-8.81e-04	-4.20e-04
2244	215	-12.69	9.45	-0.56	0.0	-7.42e-04	-2.00e-04
2244	235	-1.77	14.05	-0.51	0.0	-9.98e-05	1.61e-04
2244	256	-0.67	0.64	-0.52	0.0	-8.79e-05	2.01e-05
2244	264	-0.89	0.50	-0.48	0.0	-9.41e-05	2.29e-05
2244	276	-0.24	1.34	-0.47	0.0	-5.62e-05	1.39e-05
2244	298	-0.24	0.58	-0.45	0.0	-5.52e-05	1.05e-05
2244	305	-0.36	0.52	-0.43	0.0	-5.95e-05	1.22e-05
2244	307	-0.23	0.69	-0.43	0.0	-5.19e-05	1.04e-05
2244	310	-0.23	0.54	-0.43	0.0	-5.27e-05	9.83e-06
2245	44	-1.18	0.49	-0.76	0.0	-1.38e-04	2.72e-05
2245	52	-0.31	1.39	-0.84	0.0	-9.48e-05	1.47e-05
2245	68	-0.26	1.69	-0.76	0.0	-8.17e-05	1.34e-05
2245	116	-10.31	2.88	-0.59	0.0	-8.91e-04	-3.11e-04
2245	119	-9.06	6.81	-0.63	0.0	-7.76e-04	-1.66e-04
2245	139	-1.44	9.75	-0.61	0.0	-1.35e-04	9.65e-05
2245	148	-11.57	3.16	-0.60	0.0	-9.95e-04	-3.51e-04
2245	151	-10.15	7.61	-0.65	0.0	-8.64e-04	-1.87e-04
2245	171	-1.58	10.96	-0.63	0.0	-1.44e-04	1.08e-04
2245	180	-11.44	3.00	-0.60	0.0	-9.84e-04	-3.51e-04
2245	183	-9.99	7.56	-0.65	0.0	-8.49e-04	-1.83e-04
2245	203	-1.51	11.14	-0.63	0.0	-1.36e-04	1.11e-04
2245	212	-13.36	3.35	-0.62	0.0	-1.14e-03	-4.16e-04
2245	215	-11.63	8.79	-0.67	0.0	-9.82e-04	-2.15e-04
2245	235	-1.69	13.13	-0.65	0.0	-1.46e-04	1.31e-04
2245	264	-0.80	0.35	-0.53	0.0	-9.52e-05	1.85e-05
2245	268	-0.22	0.95	-0.59	0.0	-6.63e-05	1.02e-05

2245	276	-0.18	1.14	-0.53	0.0	-5.75e-05	9.29e-06
2245	298	-0.19	0.43	-0.50	0.0	-5.58e-05	7.37e-06
2245	305	-0.30	0.39	-0.48	0.0	-6.01e-05	9.04e-06
2245	307	-0.18	0.54	-0.48	0.0	-5.26e-05	7.20e-06
2245	310	-0.18	0.41	-0.48	0.0	-5.34e-05	6.84e-06
2246	44	-1.25	0.61	-0.77	0.0	-1.39e-04	2.93e-05
2246	52	-0.36	1.54	-0.85	0.0	-9.59e-05	1.75e-05
2246	68	-0.30	1.84	-0.77	0.0	-8.25e-05	1.58e-05
2246	116	-10.78	3.03	-0.60	0.0	-8.04e-04	-3.29e-04
2246	119	-9.47	7.09	-0.64	0.0	-6.98e-04	-1.75e-04
2246	139	-1.51	10.11	-0.61	0.0	-1.23e-04	1.04e-04
2246	148	-12.09	3.32	-0.61	0.0	-8.97e-04	-3.71e-04
2246	151	-10.61	7.91	-0.66	0.0	-7.77e-04	-1.98e-04
2246	171	-1.66	11.36	-0.63	0.0	-1.31e-04	1.17e-04
2246	180	-11.96	3.15	-0.61	0.0	-8.87e-04	-3.71e-04
2246	183	-10.44	7.86	-0.65	0.0	-7.63e-04	-1.93e-04
2246	203	-1.58	11.55	-0.63	0.0	-1.23e-04	1.20e-04
2246	212	-13.96	3.52	-0.63	0.0	-1.03e-03	-4.40e-04
2246	215	-12.14	9.13	-0.68	0.0	-8.81e-04	-2.27e-04
2246	235	-1.77	13.59	-0.66	0.0	-1.31e-04	1.42e-04
2246	264	-0.85	0.43	-0.54	0.0	-9.58e-05	2.00e-05
2246	268	-0.25	1.05	-0.59	0.0	-6.70e-05	1.20e-05
2246	276	-0.21	1.25	-0.54	0.0	-5.81e-05	1.10e-05
2246	298	-0.22	0.51	-0.51	0.0	-5.64e-05	8.79e-06
2246	305	-0.33	0.46	-0.49	0.0	-6.07e-05	1.04e-05
2246	307	-0.20	0.62	-0.49	0.0	-5.32e-05	8.57e-06
2246	310	-0.21	0.48	-0.49	0.0	-5.40e-05	8.14e-06
2247	44	-1.33	0.71	-0.77	0.0	-1.40e-04	3.31e-05
2247	52	-0.41	1.69	-0.86	0.0	-9.69e-05	2.19e-05
2247	68	-0.35	1.97	-0.78	0.0	-8.32e-05	1.99e-05
2247	116	-11.19	3.17	-0.60	0.0	-6.79e-04	-3.41e-04
2247	119	-9.82	7.35	-0.64	0.0	-5.86e-04	-1.80e-04
2247	139	-1.57	10.46	-0.62	0.0	-1.06e-04	1.13e-04
2247	148	-12.54	3.47	-0.61	0.0	-7.57e-04	-3.85e-04
2247	151	-11.00	8.20	-0.66	0.0	-6.51e-04	-2.03e-04
2247	171	-1.73	11.75	-0.63	0.0	-1.11e-04	1.27e-04
2247	180	-12.41	3.30	-0.61	0.0	-7.49e-04	-3.84e-04
2247	183	-10.82	8.15	-0.66	0.0	-6.40e-04	-1.98e-04
2247	203	-1.64	11.94	-0.63	0.0	-1.04e-04	1.30e-04
2247	212	-14.48	3.67	-0.63	0.0	-8.67e-04	-4.56e-04
2247	215	-12.58	9.46	-0.69	0.0	-7.37e-04	-2.34e-04
2247	235	-1.84	14.06	-0.66	0.0	-1.10e-04	1.53e-04
2247	264	-0.90	0.50	-0.54	0.0	-9.62e-05	2.26e-05
2247	268	-0.29	1.15	-0.60	0.0	-6.77e-05	1.51e-05
2247	276	-0.24	1.34	-0.54	0.0	-5.85e-05	1.38e-05
2247	298	-0.25	0.58	-0.51	0.0	-5.70e-05	1.11e-05
2247	305	-0.36	0.52	-0.49	0.0	-6.13e-05	1.26e-05
2247	307	-0.23	0.69	-0.49	0.0	-5.37e-05	1.08e-05
2247	310	-0.24	0.54	-0.49	0.0	-5.45e-05	1.04e-05
2248	44	-1.19	0.50	-0.88	0.0	-1.40e-04	2.64e-05
2248	52	-0.32	1.40	-0.98	0.0	-9.73e-05	1.50e-05
2248	68	-0.26	1.69	-0.89	0.0	-8.37e-05	1.29e-05
2248	116	-10.16	2.88	-0.71	0.0	-8.77e-04	-3.32e-04
2248	119	-8.97	6.82	-0.78	0.0	-7.70e-04	-1.87e-04
2248	139	-1.47	9.75	-0.75	0.0	-1.43e-04	8.91e-05
2248	148	-11.40	3.17	-0.73	0.0	-9.79e-04	-3.74e-04
2248	151	-10.06	7.62	-0.80	0.0	-8.58e-04	-2.11e-04
2248	171	-1.62	10.96	-0.77	0.0	-1.53e-04	1.00e-04
2248	180	-11.27	3.01	-0.72	0.0	-9.68e-04	-3.74e-04
2248	183	-9.89	7.56	-0.80	0.0	-8.43e-04	-2.06e-04
2248	203	-1.55	11.14	-0.77	0.0	-1.46e-04	1.03e-04
2248	212	-13.15	3.36	-0.75	0.0	-1.12e-03	-4.43e-04
2248	215	-11.51	8.79	-0.84	0.0	-9.74e-04	-2.43e-04
2248	235	-1.74	13.13	-0.81	0.0	-1.57e-04	1.21e-04
2248	264	-0.81	0.35	-0.62	0.0	-9.65e-05	1.79e-05
2248	268	-0.22	0.95	-0.68	0.0	-6.79e-05	1.03e-05
2248	276	-0.19	1.15	-0.62	0.0	-5.89e-05	8.88e-06
2248	298	-0.19	0.44	-0.58	0.0	-5.71e-05	7.83e-06
2248	305	-0.30	0.39	-0.56	0.0	-6.13e-05	9.28e-06
2248	307	-0.18	0.55	-0.56	0.0	-5.38e-05	7.47e-06
2248	310	-0.18	0.41	-0.55	0.0	-5.45e-05	7.15e-06
2249	44	-1.18	0.71	-0.33	-2.08e-04	0.0	2.92e-05
2249	68	-0.25	1.97	-0.20	-2.90e-04	0.0	1.53e-03
2249	116	-11.48	3.16	-0.53	-2.66e-04	0.0	-3.59e-04
2249	139	-1.17	10.46	0.22	-6.66e-04	0.0	7.22e-04

2249	144	-4.82	-8.26	-0.77	3.35e-04	0.0	-7.48e-04
2249	148	-12.88	3.46	-0.58	-2.82e-04	0.0	-4.05e-04
2249	171	-1.28	11.75	0.28	-7.35e-04	0.0	8.17e-04
2249	176	-5.41	-9.41	-0.84	3.95e-04	0.0	-8.47e-04
2249	180	-12.77	3.29	-0.58	-2.72e-04	0.0	-4.11e-04
2249	203	-1.18	11.94	0.29	-7.45e-04	0.0	8.39e-04
2249	208	-5.41	-9.64	-0.86	4.08e-04	0.0	-8.72e-04
2249	212	-14.93	3.67	-0.66	-2.91e-04	0.0	-4.92e-04
2249	235	-1.30	14.05	0.38	-8.60e-04	0.0	9.97e-04
2249	240	-6.32	-11.56	-0.98	5.09e-04	0.0	-1.04e-03
2249	264	-0.79	0.50	-0.23	-1.46e-04	0.0	2.05e-05
2249	276	-0.18	1.34	-0.15	-2.00e-04	0.0	1.02e-03
2249	305	-0.31	0.52	-0.20	-1.28e-04	0.0	7.05e-06
2249	307	-0.18	0.69	-0.18	-1.39e-04	0.0	2.07e-04
2249	310	-0.19	0.54	-0.19	-1.29e-04	0.0	5.06e-06
2250	44	-1.28	0.85	-0.22	-2.20e-04	0.0	3.80e-05
2250	68	-0.31	3.84	-0.16	0.0	0.0	1.56e-03
2250	92	-0.38	-0.40	-0.24	-3.39e-04	0.0	-7.44e-04
2250	116	-12.03	3.22	7.86e-03	-2.18e-04	0.0	-3.58e-04
2250	138	0.77	-10.47	-0.42	2.64e-04	0.0	-7.13e-04
2250	139	-1.22	11.71	0.11	-5.34e-04	0.0	7.33e-04
2250	148	-13.50	3.52	0.03	-2.27e-04	0.0	-4.05e-04
2250	170	0.88	-11.92	-0.46	3.16e-04	0.0	-8.08e-04
2250	171	-1.33	13.15	0.15	-5.86e-04	0.0	8.28e-04
2250	180	-13.38	3.33	0.02	-2.20e-04	0.0	-4.11e-04
2250	202	0.78	-12.14	-0.46	3.24e-04	0.0	-8.30e-04
2250	203	-1.23	13.37	0.15	-5.94e-04	0.0	8.51e-04
2250	212	-15.64	3.69	0.05	-2.30e-04	0.0	-4.93e-04
2250	234	0.89	-14.50	-0.51	4.10e-04	0.0	-9.90e-04
2250	235	-1.34	15.74	0.21	-6.80e-04	0.0	1.01e-03
2250	264	-0.86	0.60	-0.16	-1.54e-04	0.0	2.66e-05
2250	276	-0.22	2.59	-0.12	-6.72e-06	0.0	1.04e-03
2250	288	-0.27	-0.24	-0.17	-2.33e-04	0.0	-4.95e-04
2250	298	-0.24	0.65	-0.16	-1.42e-04	0.0	9.64e-06
2250	305	-0.35	0.60	-0.15	-1.34e-04	0.0	1.22e-05
2250	307	-0.22	0.99	-0.15	-1.05e-04	0.0	2.14e-04
2250	310	-0.23	0.62	-0.15	-1.35e-04	0.0	1.01e-05
2251	28	-1.20	1.42	-0.62	-1.67e-04	-1.19e-04	3.85e-05
2251	44	-1.54	1.14	-0.58	-1.43e-04	-1.28e-04	4.16e-05
2251	68	-0.46	2.53	-0.53	-1.80e-04	-7.60e-05	2.93e-05
2251	116	-12.53	3.68	-0.46	-1.68e-05	-3.56e-04	-3.48e-04
2251	139	-1.52	11.74	-0.28	-2.46e-04	-4.89e-05	1.50e-04
2251	144	-5.37	-8.89	-0.48	8.89e-05	-2.11e-04	-1.75e-04
2251	148	-14.05	4.02	-0.48	-6.67e-06	-3.94e-04	-3.93e-04
2251	171	-1.65	13.16	-0.27	-2.66e-04	-4.82e-05	1.68e-04
2251	176	-6.01	-10.16	-0.50	1.13e-04	-2.31e-04	-2.00e-04
2251	180	-13.92	3.83	-0.48	-4.37e-06	-3.92e-04	-3.94e-04
2251	203	-1.55	13.38	-0.27	-2.70e-04	-4.40e-05	1.73e-04
2251	208	-6.01	-10.41	-0.50	1.17e-04	-2.32e-04	-2.04e-04
2251	212	-16.24	4.24	-0.50	1.35e-05	-4.51e-04	-4.69e-04
2251	235	-1.70	15.71	-0.25	-3.04e-04	-4.09e-05	2.03e-04
2251	240	-7.00	-12.52	-0.53	1.57e-04	-2.65e-04	-2.45e-04
2251	256	-0.82	0.98	-0.44	-1.16e-04	-8.20e-05	2.65e-05
2251	264	-1.04	0.80	-0.41	-9.96e-05	-8.83e-05	2.86e-05
2251	276	-0.33	1.73	-0.38	-1.24e-04	-5.36e-05	2.04e-05
2251	298	-0.34	0.85	-0.37	-9.87e-05	-5.11e-05	1.54e-05
2251	305	-0.46	0.78	-0.36	-9.29e-05	-5.53e-05	1.69e-05
2251	307	-0.32	0.96	-0.35	-9.77e-05	-4.83e-05	1.52e-05
2251	310	-0.32	0.80	-0.36	-9.43e-05	-4.91e-05	1.44e-05
2252	28	-1.16	1.28	-0.69	0.0	-1.28e-04	3.71e-05
2252	44	-1.49	1.02	-0.63	0.0	-1.36e-04	4.07e-05
2252	68	-0.44	2.38	-0.60	0.0	-7.89e-05	2.77e-05
2252	116	-12.22	3.55	-0.48	0.0	-3.76e-04	-3.18e-04
2252	139	-1.57	11.43	-0.39	0.0	-4.21e-05	1.44e-04
2252	148	-13.69	3.88	-0.49	0.0	-4.16e-04	-3.60e-04
2252	171	-1.71	12.82	-0.39	0.0	-4.00e-05	1.62e-04
2252	180	-13.56	3.69	-0.49	0.0	-4.14e-04	-3.60e-04
2252	203	-1.61	13.03	-0.39	0.0	-3.54e-05	1.66e-04
2252	212	-15.82	4.10	-0.50	0.0	-4.77e-04	-4.29e-04
2252	235	-1.78	15.31	-0.38	0.0	-2.98e-05	1.95e-04
2252	256	-0.79	0.89	-0.48	0.0	-8.78e-05	2.56e-05
2252	264	-1.01	0.72	-0.44	0.0	-9.38e-05	2.80e-05
2252	276	-0.31	1.62	-0.43	0.0	-5.54e-05	1.93e-05
2252	298	-0.32	0.77	-0.41	0.0	-5.53e-05	1.45e-05
2252	305	-0.44	0.71	-0.40	0.0	-5.95e-05	1.61e-05

2252	307	-0.30	0.89	-0.39	0.0	-5.19e-05	1.44e-05
2252	310	-0.30	0.73	-0.39	0.0	-5.27e-05	1.36e-05
2253	28	-1.22	1.42	-0.70	-1.75e-04	-1.19e-04	3.80e-05
2253	44	-1.56	1.14	-0.64	-1.52e-04	-1.28e-04	4.11e-05
2253	68	-0.48	2.53	-0.62	-1.82e-04	-7.60e-05	2.88e-05
2253	116	-12.37	3.69	-0.49	-3.44e-05	-3.56e-04	-3.50e-04
2253	139	-1.59	11.74	-0.40	-2.23e-04	-4.89e-05	1.48e-04
2253	148	-13.86	4.02	-0.50	-2.62e-05	-3.94e-04	-3.96e-04
2253	171	-1.73	13.16	-0.40	-2.40e-04	-4.82e-05	1.66e-04
2253	180	-13.73	3.83	-0.50	-2.54e-05	-3.92e-04	-3.97e-04
2253	203	-1.63	13.38	-0.39	-2.44e-04	-4.40e-05	1.70e-04
2253	212	-16.01	4.24	-0.51	-1.15e-05	-4.51e-04	-4.72e-04
2253	235	-1.80	15.71	-0.39	-2.72e-04	-4.09e-05	2.00e-04
2253	256	-0.83	0.98	-0.49	-1.22e-04	-8.20e-05	2.62e-05
2253	264	-1.06	0.80	-0.45	-1.06e-04	-8.83e-05	2.82e-05
2253	276	-0.34	1.73	-0.44	-1.26e-04	-5.36e-05	2.00e-05
2253	298	-0.35	0.85	-0.42	-1.03e-04	-5.11e-05	1.52e-05
2253	305	-0.47	0.78	-0.40	-9.73e-05	-5.53e-05	1.66e-05
2253	307	-0.32	0.96	-0.40	-1.01e-04	-4.83e-05	1.50e-05
2253	310	-0.33	0.80	-0.40	-9.82e-05	-4.91e-05	1.42e-05
2254	28	-1.18	1.28	-0.77	0.0	-1.29e-04	3.73e-05
2254	44	-1.52	1.02	-0.70	0.0	-1.38e-04	4.06e-05
2254	68	-0.46	2.38	-0.69	0.0	-8.07e-05	2.78e-05
2254	116	-12.06	3.55	-0.53	0.0	-3.55e-04	-3.40e-04
2254	119	-10.51	8.08	-0.54	0.0	-2.89e-04	-1.64e-04
2254	139	-1.63	11.43	-0.51	0.0	-4.81e-05	1.40e-04
2254	148	-13.52	3.88	-0.54	0.0	-3.92e-04	-3.84e-04
2254	151	-11.76	9.00	-0.56	0.0	-3.18e-04	-1.85e-04
2254	171	-1.78	12.82	-0.51	0.0	-4.66e-05	1.57e-04
2254	180	-13.38	3.69	-0.54	0.0	-3.90e-04	-3.84e-04
2254	183	-11.58	8.94	-0.55	0.0	-3.13e-04	-1.80e-04
2254	203	-1.68	13.03	-0.51	0.0	-4.24e-05	1.61e-04
2254	212	-15.61	4.10	-0.55	0.0	-4.49e-04	-4.58e-04
2254	215	-13.45	10.35	-0.57	0.0	-3.56e-04	-2.13e-04
2254	235	-1.87	15.31	-0.53	0.0	-3.82e-05	1.89e-04
2254	256	-0.80	0.89	-0.54	0.0	-8.90e-05	2.57e-05
2254	264	-1.03	0.72	-0.49	0.0	-9.47e-05	2.79e-05
2254	276	-0.32	1.62	-0.49	0.0	-5.67e-05	1.93e-05
2254	298	-0.33	0.77	-0.46	0.0	-5.63e-05	1.48e-05
2254	305	-0.45	0.71	-0.44	0.0	-6.05e-05	1.63e-05
2254	307	-0.30	0.89	-0.44	0.0	-5.29e-05	1.46e-05
2254	310	-0.31	0.73	-0.44	0.0	-5.37e-05	1.39e-05
2255	28	-1.24	1.42	-0.79	-1.95e-04	-1.19e-04	3.78e-05
2255	44	-1.58	1.14	-0.72	-1.72e-04	-1.28e-04	4.08e-05
2255	68	-0.50	2.53	-0.71	-1.96e-04	-7.60e-05	2.85e-05
2255	116	-12.20	3.69	-0.53	-1.37e-04	-3.56e-04	-3.52e-04
2255	119	-10.62	8.32	-0.55	-1.94e-04	-2.94e-04	-1.70e-04
2255	139	-1.65	11.75	-0.51	-2.38e-04	-4.89e-05	1.46e-04
2255	148	-13.67	4.02	-0.55	-1.40e-04	-3.94e-04	-3.98e-04
2255	151	-11.88	9.26	-0.56	-2.05e-04	-3.24e-04	-1.92e-04
2255	171	-1.80	13.17	-0.52	-2.55e-04	-4.82e-05	1.64e-04
2255	180	-13.53	3.83	-0.54	-1.38e-04	-3.92e-04	-3.99e-04
2255	183	-11.70	9.20	-0.56	-2.05e-04	-3.18e-04	-1.87e-04
2255	203	-1.70	13.38	-0.52	-2.57e-04	-4.40e-05	1.69e-04
2255	212	-15.78	4.25	-0.56	-1.42e-04	-4.51e-04	-4.75e-04
2255	215	-13.58	10.64	-0.58	-2.21e-04	-3.63e-04	-2.22e-04
2255	235	-1.89	15.71	-0.53	-2.85e-04	-4.09e-05	1.98e-04
2255	256	-0.85	0.99	-0.55	-1.36e-04	-8.20e-05	2.60e-05
2255	264	-1.07	0.80	-0.50	-1.20e-04	-8.83e-05	2.80e-05
2255	276	-0.35	1.73	-0.50	-1.36e-04	-5.36e-05	1.98e-05
2255	298	-0.35	0.85	-0.47	-1.13e-04	-5.11e-05	1.50e-05
2255	305	-0.48	0.78	-0.45	-1.08e-04	-5.53e-05	1.65e-05
2255	307	-0.33	0.96	-0.45	-1.11e-04	-4.83e-05	1.49e-05
2255	310	-0.34	0.80	-0.45	-1.08e-04	-4.91e-05	1.41e-05
2256	28	-1.20	1.28	-0.87	0.0	-1.31e-04	3.86e-05
2256	44	-1.54	1.02	-0.79	0.0	-1.39e-04	4.12e-05
2256	68	-0.47	2.37	-0.79	0.0	-8.23e-05	2.87e-05
2256	116	-11.90	3.55	-0.61	0.0	-3.49e-04	-3.58e-04
2256	119	-10.43	8.08	-0.65	0.0	-2.89e-04	-1.81e-04
2256	139	-1.69	11.43	-0.63	0.0	-5.62e-05	1.36e-04
2256	148	-13.33	3.88	-0.63	0.0	-3.86e-04	-4.04e-04
2256	151	-11.67	9.00	-0.67	0.0	-3.18e-04	-2.04e-04
2256	171	-1.85	12.82	-0.64	0.0	-5.57e-05	1.52e-04
2256	180	-13.19	3.69	-0.62	0.0	-3.83e-04	-4.05e-04
2256	183	-11.48	8.94	-0.67	0.0	-3.13e-04	-2.00e-04

2256	203	-1.75	13.03	-0.64	0.0	-5.18e-05	1.56e-04
2256	212	-15.38	4.10	-0.64	0.0	-4.40e-04	-4.81e-04
2256	215	-13.34	10.35	-0.70	0.0	-3.56e-04	-2.36e-04
2256	235	-1.95	15.31	-0.67	0.0	-4.93e-05	1.83e-04
2256	256	-0.82	0.89	-0.61	0.0	-9.01e-05	2.65e-05
2256	264	-1.04	0.71	-0.56	0.0	-9.56e-05	2.83e-05
2256	276	-0.33	1.62	-0.56	0.0	-5.78e-05	2.00e-05
2256	298	-0.33	0.77	-0.52	0.0	-5.71e-05	1.58e-05
2256	305	-0.46	0.71	-0.50	0.0	-6.12e-05	1.71e-05
2256	307	-0.31	0.89	-0.50	0.0	-5.36e-05	1.55e-05
2256	310	-0.32	0.73	-0.50	0.0	-5.44e-05	1.48e-05
2257	28	-1.26	1.42	-0.88	-2.26e-04	-1.19e-04	3.73e-05
2257	44	-1.61	1.14	-0.80	-2.03e-04	-1.28e-04	4.00e-05
2257	68	-0.51	2.53	-0.80	-2.21e-04	-7.60e-05	2.79e-05
2257	116	-12.03	3.69	-0.62	-1.81e-04	-3.56e-04	-3.62e-04
2257	119	-10.54	8.32	-0.66	-2.30e-04	-2.94e-04	-1.82e-04
2257	139	-1.71	11.75	-0.63	-2.45e-04	-4.89e-05	1.40e-04
2257	148	-13.48	4.02	-0.63	-1.88e-04	-3.94e-04	-4.10e-04
2257	151	-11.79	9.26	-0.68	-2.43e-04	-3.24e-04	-2.05e-04
2257	171	-1.87	13.17	-0.65	-2.60e-04	-4.82e-05	1.56e-04
2257	180	-13.34	3.84	-0.63	-1.86e-04	-3.92e-04	-4.10e-04
2257	183	-11.60	9.20	-0.68	-2.42e-04	-3.18e-04	-2.01e-04
2257	203	-1.78	13.38	-0.65	-2.62e-04	-4.40e-05	1.61e-04
2257	212	-15.55	4.25	-0.65	-1.95e-04	-4.51e-04	-4.88e-04
2257	215	-13.48	10.65	-0.71	-2.62e-04	-3.63e-04	-2.37e-04
2257	235	-1.97	15.71	-0.67	-2.88e-04	-4.09e-05	1.89e-04
2257	256	-0.86	0.99	-0.62	-1.58e-04	-8.20e-05	2.57e-05
2257	264	-1.09	0.80	-0.56	-1.43e-04	-8.83e-05	2.75e-05
2257	276	-0.36	1.73	-0.56	-1.55e-04	-5.36e-05	1.94e-05
2257	298	-0.36	0.85	-0.52	-1.29e-04	-5.11e-05	1.50e-05
2257	305	-0.49	0.78	-0.51	-1.23e-04	-5.53e-05	1.64e-05
2257	307	-0.34	0.96	-0.51	-1.26e-04	-4.83e-05	1.48e-05
2257	310	-0.35	0.80	-0.51	-1.23e-04	-4.91e-05	1.41e-05
2258	44	-1.62	0.98	-1.20	0.0	-1.43e-04	-9.73e-06
2258	52	-0.62	2.06	-1.34	0.0	-9.59e-05	-1.91e-05
2258	68	-0.52	2.34	-1.21	0.0	-8.74e-05	-2.32e-05
2258	116	-11.20	3.54	-1.08	0.0	-4.05e-04	-4.53e-04
2258	119	-10.02	8.08	-1.18	0.0	-3.55e-04	-2.78e-04
2258	139	-1.87	11.44	-1.07	0.0	-8.39e-05	8.21e-05
2258	148	-12.54	3.87	-1.12	0.0	-4.49e-04	-5.09e-04
2258	151	-11.21	9.00	-1.24	0.0	-3.92e-04	-3.11e-04
2258	171	-2.05	12.83	-1.11	0.0	-8.72e-05	9.47e-05
2258	180	-12.39	3.68	-1.11	0.0	-4.44e-04	-5.08e-04
2258	183	-11.03	8.94	-1.23	0.0	-3.85e-04	-3.06e-04
2258	203	-1.97	13.04	-1.11	0.0	-8.35e-05	9.87e-05
2258	212	-14.42	4.08	-1.17	0.0	-5.11e-04	-5.98e-04
2258	215	-12.81	10.35	-1.31	0.0	-4.40e-04	-3.55e-04
2258	235	-2.21	15.33	-1.18	0.0	-8.69e-05	1.20e-04
2258	264	-1.10	0.69	-0.84	0.0	-9.90e-05	-8.02e-06
2258	268	-0.43	1.41	-0.93	0.0	-6.76e-05	-1.43e-05
2258	276	-0.37	1.59	-0.85	0.0	-6.20e-05	-1.70e-05
2258	298	-0.37	0.76	-0.77	0.0	-5.45e-05	-9.59e-06
2258	305	-0.49	0.69	-0.74	0.0	-5.98e-05	-8.55e-06
2258	307	-0.34	0.87	-0.75	0.0	-5.24e-05	-1.03e-05
2258	310	-0.35	0.71	-0.74	0.0	-5.30e-05	-1.08e-05
2259	44	-1.69	1.15	-1.19	-6.88e-04	-1.28e-04	4.37e-05
2259	52	-0.67	2.26	-1.33	-7.22e-04	-8.74e-05	3.46e-05
2259	68	-0.57	2.53	-1.21	-7.01e-04	-7.60e-05	3.20e-05
2259	116	-11.37	3.70	-1.08	-5.04e-04	-3.56e-04	-3.70e-04
2259	119	-10.17	8.33	-1.18	-5.56e-04	-2.94e-04	-1.90e-04
2259	139	-1.91	11.75	-1.07	-5.24e-04	-4.89e-05	1.37e-04
2259	148	-12.73	4.03	-1.12	-5.20e-04	-3.94e-04	-4.18e-04
2259	151	-11.37	9.27	-1.23	-5.80e-04	-3.24e-04	-2.15e-04
2259	171	-2.09	13.17	-1.11	-5.44e-04	-4.82e-05	1.53e-04
2259	180	-12.58	3.84	-1.11	-5.16e-04	-3.92e-04	-4.19e-04
2259	183	-11.19	9.21	-1.23	-5.76e-04	-3.18e-04	-2.10e-04
2259	203	-2.01	13.39	-1.11	-5.45e-04	-4.40e-05	1.57e-04
2259	212	-14.64	4.26	-1.17	-5.40e-04	-4.51e-04	-4.98e-04
2259	215	-12.99	10.65	-1.31	-6.11e-04	-3.63e-04	-2.49e-04
2259	235	-2.25	15.72	-1.18	-5.77e-04	-4.09e-05	1.85e-04
2259	264	-1.15	0.81	-0.84	-4.88e-04	-8.83e-05	3.01e-05
2259	268	-0.47	1.54	-0.93	-5.11e-04	-6.11e-05	2.40e-05
2259	276	-0.40	1.73	-0.85	-4.97e-04	-5.36e-05	2.23e-05
2259	298	-0.39	0.85	-0.77	-3.72e-04	-5.11e-05	1.78e-05
2259	305	-0.52	0.78	-0.74	-3.66e-04	-5.53e-05	1.90e-05

2259	307	-0.37	0.97	-0.74	-3.68e-04	-4.83e-05	1.74e-05
2259	310	-0.37	0.81	-0.74	-3.66e-04	-4.91e-05	1.67e-05
2260	44	-1.60	0.95	-1.37	0.0	-1.61e-04	-1.16e-04
2260	52	-0.60	2.03	-1.53	0.0	-1.12e-04	-1.32e-04
2260	68	-0.50	2.31	-1.39	0.0	-1.06e-04	-1.32e-04
2260	116	-10.98	3.53	-1.25	0.0	-4.64e-04	-5.58e-04
2260	119	-9.87	8.07	-1.37	0.0	-4.12e-04	-3.98e-04
2260	139	-1.88	11.44	-1.24	0.0	-1.03e-04	-2.43e-05
2260	148	-12.29	3.85	-1.30	0.0	-5.14e-04	-6.19e-04
2260	151	-11.04	8.99	-1.43	0.0	-4.55e-04	-4.39e-04
2260	171	-2.06	12.84	-1.29	0.0	-1.08e-04	-1.80e-05
2260	180	-12.14	3.67	-1.28	0.0	-5.08e-04	-6.16e-04
2260	183	-10.86	8.93	-1.43	0.0	-4.47e-04	-4.33e-04
2260	203	-1.98	13.05	-1.29	0.0	-1.04e-04	-1.60e-05
2260	212	-14.13	4.07	-1.36	0.0	-5.84e-04	-7.14e-04
2260	215	-12.61	10.35	-1.52	0.0	-5.11e-04	-4.94e-04
2260	235	-2.23	15.33	-1.37	0.0	-1.09e-04	-4.99e-06
2260	264	-1.08	0.67	-0.96	0.0	-1.12e-04	-8.32e-05
2260	268	-0.42	1.39	-1.07	0.0	-7.95e-05	-9.39e-05
2260	276	-0.35	1.58	-0.98	0.0	-7.57e-05	-9.41e-05
2260	298	-0.36	0.74	-0.87	0.0	-6.19e-05	-6.95e-05
2260	305	-0.48	0.67	-0.84	0.0	-6.77e-05	-6.73e-05
2260	307	-0.33	0.86	-0.84	0.0	-6.04e-05	-6.95e-05
2260	310	-0.34	0.70	-0.84	0.0	-6.10e-05	-6.95e-05
2261	44	-1.71	1.15	-1.38	-1.08e-03	-1.28e-04	4.82e-05
2261	52	-0.69	2.26	-1.54	-1.11e-03	-8.74e-05	3.96e-05
2261	68	-0.59	2.54	-1.40	-1.09e-03	-7.60e-05	3.67e-05
2261	116	-11.21	3.70	-1.25	-7.23e-04	-3.56e-04	-3.66e-04
2261	119	-10.08	8.33	-1.37	-7.94e-04	-2.94e-04	-1.86e-04
2261	139	-1.95	11.76	-1.24	-7.69e-04	-4.89e-05	1.42e-04
2261	148	-12.55	4.04	-1.30	-7.42e-04	-3.94e-04	-4.15e-04
2261	151	-11.27	9.27	-1.44	-8.22e-04	-3.24e-04	-2.11e-04
2261	171	-2.13	13.18	-1.29	-7.95e-04	-4.82e-05	1.58e-04
2261	180	-12.40	3.85	-1.29	-7.35e-04	-3.92e-04	-4.16e-04
2261	183	-11.09	9.21	-1.43	-8.17e-04	-3.18e-04	-2.06e-04
2261	203	-2.06	13.39	-1.29	-7.96e-04	-4.40e-05	1.63e-04
2261	212	-14.43	4.26	-1.36	-7.62e-04	-4.51e-04	-4.95e-04
2261	215	-12.87	10.66	-1.53	-8.59e-04	-3.63e-04	-2.44e-04
2261	235	-2.31	15.72	-1.37	-8.38e-04	-4.09e-05	1.90e-04
2261	264	-1.16	0.81	-0.97	-7.65e-04	-8.83e-05	3.33e-05
2261	268	-0.48	1.55	-1.08	-7.89e-04	-6.11e-05	2.75e-05
2261	276	-0.41	1.73	-0.99	-7.76e-04	-5.36e-05	2.56e-05
2261	298	-0.40	0.85	-0.88	-5.70e-04	-5.11e-05	2.04e-05
2261	305	-0.53	0.78	-0.85	-5.65e-04	-5.53e-05	2.16e-05
2261	307	-0.38	0.97	-0.85	-5.67e-04	-4.83e-05	2.00e-05
2261	310	-0.38	0.81	-0.84	-5.64e-04	-4.91e-05	1.93e-05
2262	43	-1.48	0.85	-1.44	-2.09e-04	0.0	1.76e-04
2262	52	-0.45	1.99	-1.79	-3.15e-04	0.0	2.26e-04
2262	68	-0.35	2.28	-1.64	-3.11e-04	0.0	2.20e-04
2262	116	-10.66	3.51	-1.44	-2.77e-04	0.0	-2.18e-04
2262	119	-9.61	8.06	-1.61	-4.86e-04	0.0	-3.11e-05
2262	139	-1.79	11.44	-1.50	-6.28e-04	0.0	2.84e-04
2262	148	-11.95	3.83	-1.49	-2.92e-04	0.0	-2.61e-04
2262	151	-10.76	8.98	-1.69	-5.28e-04	0.0	-4.89e-05
2262	171	-1.97	12.83	-1.57	-6.91e-04	0.0	3.06e-04
2262	180	-11.80	3.65	-1.48	-2.83e-04	0.0	-2.63e-04
2262	183	-10.58	8.92	-1.68	-5.25e-04	0.0	-4.55e-05
2262	203	-1.90	13.04	-1.57	-7.00e-04	0.0	3.12e-04
2262	212	-13.74	4.05	-1.56	-3.01e-04	0.0	-3.34e-04
2262	215	-12.30	10.34	-1.80	-5.91e-04	0.0	-7.28e-05
2262	235	-2.15	15.33	-1.68	-8.03e-04	0.0	3.50e-04
2262	263	-1.00	0.60	-1.02	-1.48e-04	0.0	1.28e-04
2262	268	-0.31	1.36	-1.25	-2.19e-04	0.0	1.61e-04
2262	276	-0.25	1.55	-1.16	-2.16e-04	0.0	1.57e-04
2262	301	-0.25	0.69	-1.01	-1.58e-04	0.0	1.33e-04
2262	305	-0.40	0.65	-0.97	-1.46e-04	0.0	1.17e-04
2262	307	-0.25	0.84	-0.97	-1.54e-04	0.0	1.14e-04
2262	310	-0.26	0.68	-0.96	-1.47e-04	0.0	1.15e-04
2263	44	-1.74	1.15	-1.70	-1.69e-03	-3.041e+04	4.70e-05
2263	59	-0.66	2.18	-1.91	-2.18e-03	-3.952e+04	3.63e-05
2263	68	-0.61	2.54	-1.74	-1.71e-03	-3.041e+04	3.58e-05
2263	116	-11.06	3.70	-1.48	-1.07e-03	-1.737e+04	-3.68e-04
2263	119	-10.00	8.34	-1.66	-1.16e-03	-1.821e+04	-1.86e-04
2263	139	-1.99	11.76	-1.54	-1.13e-03	-1.775e+04	1.43e-04
2263	148	-12.38	4.04	-1.54	-1.09e-03	-1.757e+04	-4.17e-04

2263	151	-11.17	9.27	-1.74	-1.20e-03	-1.850e+04	-2.11e-04
2263	171	-2.18	13.18	-1.61	-1.17e-03	-1.799e+04	1.60e-04
2263	180	-12.22	3.85	-1.53	-1.08e-03	-1.742e+04	-4.18e-04
2263	183	-11.00	9.21	-1.73	-1.19e-03	-1.830e+04	-2.06e-04
2263	203	-2.11	13.39	-1.62	-1.17e-03	-1.785e+04	1.65e-04
2263	212	-14.22	4.26	-1.61	-1.12e-03	-1.769e+04	-4.97e-04
2263	215	-12.76	10.66	-1.85	-1.24e-03	-1.870e+04	-2.44e-04
2263	235	-2.37	15.72	-1.73	-1.22e-03	-1.821e+04	1.93e-04
2263	264	-1.18	0.81	-1.20	-1.20e-03	-2.168e+04	3.25e-05
2263	271	-0.46	1.49	-1.33	-1.53e-03	-2.775e+04	2.53e-05
2263	276	-0.42	1.73	-1.22	-1.22e-03	-2.168e+04	2.49e-05
2263	301	-0.41	0.84	-1.06	-1.01e-03	-1.803e+04	1.93e-05
2263	305	-0.54	0.78	-1.02	-8.80e-04	-1.560e+04	2.08e-05
2263	307	-0.39	0.97	-1.02	-8.83e-04	-1.560e+04	1.93e-05
2263	310	-0.39	0.81	-1.01	-8.80e-04	-1.560e+04	1.86e-05
2264	44	-1.45	0.54	-1.22	-2.78e-04	0.0	-7.34e-05
2264	52	-0.58	1.44	-1.40	-3.67e-04	0.0	-1.04e-04
2264	68	-0.49	1.73	-1.27	-3.42e-04	0.0	-7.54e-05
2264	116	-9.49	2.81	-0.95	-3.33e-04	0.0	-3.66e-04
2264	139	-1.74	9.89	-1.12	-8.14e-04	0.0	1.96e-04
2264	148	-10.62	3.09	-0.98	-3.51e-04	0.0	-4.06e-04
2264	171	-1.91	11.12	-1.16	-8.96e-04	0.0	2.30e-04
2264	180	-10.48	2.92	-0.97	-3.40e-04	0.0	-4.12e-04
2264	203	-1.86	11.30	-1.17	-9.08e-04	0.0	2.39e-04
2264	212	-12.19	3.26	-1.00	-3.63e-04	0.0	-4.80e-04
2264	235	-2.10	13.32	-1.24	-1.04e-03	0.0	2.96e-04
2264	264	-0.98	0.38	-0.85	-1.94e-04	0.0	-5.08e-05
2264	268	-0.40	0.98	-0.98	-2.53e-04	0.0	-7.15e-05
2264	276	-0.34	1.17	-0.89	-2.36e-04	0.0	-5.22e-05
2264	298	-0.34	0.46	-0.79	-1.86e-04	0.0	-6.24e-05
2264	305	-0.45	0.41	-0.76	-1.74e-04	0.0	-5.52e-05
2264	307	-0.32	0.57	-0.76	-1.83e-04	0.0	-5.55e-05
2264	310	-0.32	0.43	-0.76	-1.75e-04	0.0	-5.68e-05
2265	44	-1.46	0.65	-1.24	-2.05e-04	0.0	0.0
2265	52	-0.56	1.59	-1.42	-2.78e-04	0.0	-1.91e-05
2265	68	-0.47	1.87	-1.29	-2.70e-04	0.0	-7.51e-06
2265	116	-9.76	2.97	-0.97	-2.77e-04	0.0	-3.00e-04
2265	139	-1.76	10.30	-1.13	-7.36e-04	0.0	3.06e-04
2265	148	-10.92	3.26	-1.00	-2.94e-04	0.0	-3.38e-04
2265	171	-1.94	11.57	-1.18	-8.15e-04	0.0	3.48e-04
2265	180	-10.78	3.09	-0.99	-2.84e-04	0.0	-3.45e-04
2265	203	-1.88	11.76	-1.19	-8.26e-04	0.0	3.59e-04
2265	212	-12.54	3.44	-1.02	-3.05e-04	0.0	-4.11e-04
2265	235	-2.12	13.85	-1.26	-9.56e-04	0.0	4.30e-04
2265	264	-0.99	0.46	-0.87	-1.43e-04	0.0	0.0
2265	268	-0.39	1.08	-0.99	-1.92e-04	0.0	-1.26e-05
2265	276	-0.33	1.27	-0.90	-1.87e-04	0.0	-4.85e-06
2265	298	-0.33	0.53	-0.80	-1.35e-04	0.0	-1.40e-05
2265	305	-0.44	0.48	-0.77	-1.27e-04	0.0	-1.01e-05
2265	307	-0.31	0.64	-0.78	-1.36e-04	0.0	-1.11e-05
2265	310	-0.31	0.50	-0.77	-1.28e-04	0.0	-1.20e-05
2266	43	-1.48	0.69	-1.15	-1.65e-04	0.0	3.04e-05
2266	52	-0.56	1.72	-1.43	-2.53e-04	0.0	2.65e-05
2266	68	-0.46	2.00	-1.30	-2.50e-04	0.0	3.00e-05
2266	116	-10.02	3.10	-0.98	-2.49e-04	0.0	-2.78e-04
2266	139	-1.79	10.67	-1.15	-6.79e-04	0.0	3.71e-04
2266	148	-11.22	3.40	-1.01	-2.64e-04	0.0	-3.16e-04
2266	171	-1.96	11.98	-1.20	-7.53e-04	0.0	4.19e-04
2266	180	-11.08	3.22	-1.00	-2.54e-04	0.0	-3.25e-04
2266	203	-1.90	12.18	-1.20	-7.64e-04	0.0	4.30e-04
2266	212	-12.89	3.58	-1.04	-2.72e-04	0.0	-3.91e-04
2266	235	-2.15	14.34	-1.28	-8.84e-04	0.0	5.10e-04
2266	263	-1.00	0.48	-0.81	-1.16e-04	0.0	2.16e-05
2266	268	-0.38	1.17	-1.00	-1.75e-04	0.0	1.90e-05
2266	276	-0.32	1.36	-0.91	-1.73e-04	0.0	2.14e-05
2266	298	-0.33	0.59	-0.81	-1.21e-04	0.0	1.15e-05
2266	305	-0.44	0.54	-0.78	-1.14e-04	0.0	1.39e-05
2266	307	-0.31	0.71	-0.78	-1.23e-04	0.0	1.26e-05
2266	310	-0.31	0.56	-0.78	-1.15e-04	0.0	1.19e-05
2267	44	-1.41	0.52	-0.91	-2.38e-04	0.0	-2.21e-05
2267	52	-0.53	1.41	-1.07	-3.15e-04	0.0	-4.36e-05
2267	68	-0.45	1.71	-0.97	-3.01e-04	0.0	-2.84e-05
2267	116	-9.45	2.70	-0.48	-3.28e-04	0.0	-3.20e-04
2267	139	-1.71	9.99	-0.76	-8.69e-04	0.0	1.93e-04
2267	141	3.44	8.96	-0.81	-7.74e-04	0.0	2.35e-04

2267	148	-10.58	2.96	-0.47	-3.49e-04	0.0	-3.58e-04
2267	171	-1.88	11.23	-0.78	-9.62e-04	0.0	2.22e-04
2267	173	3.91	10.07	-0.84	-8.56e-04	0.0	2.70e-04
2267	180	-10.45	2.80	-0.47	-3.36e-04	0.0	-3.63e-04
2267	203	-1.82	11.42	-0.79	-9.76e-04	0.0	2.30e-04
2267	205	3.87	10.30	-0.85	-8.73e-04	0.0	2.78e-04
2267	212	-12.15	3.11	-0.44	-3.62e-04	0.0	-4.27e-04
2267	235	-2.06	13.46	-0.83	-1.13e-03	0.0	2.79e-04
2267	237	4.57	12.16	-0.90	-1.01e-03	0.0	3.36e-04
2267	264	-0.95	0.37	-0.64	-1.66e-04	0.0	-1.53e-05
2267	268	-0.37	0.96	-0.75	-2.18e-04	0.0	-2.96e-05
2267	276	-0.31	1.16	-0.68	-2.08e-04	0.0	-1.95e-05
2267	298	-0.31	0.44	-0.61	-1.56e-04	0.0	-2.77e-05
2267	305	-0.42	0.39	-0.58	-1.47e-04	0.0	-2.31e-05
2267	307	-0.29	0.55	-0.59	-1.55e-04	0.0	-2.40e-05
2267	310	-0.30	0.42	-0.58	-1.47e-04	0.0	-2.50e-05
2268	44	-1.46	0.65	-0.94	-2.23e-04	0.0	-3.56e-06
2268	52	-0.56	1.58	-1.11	-2.98e-04	0.0	-2.42e-05
2268	68	-0.46	1.87	-1.01	-2.87e-04	0.0	-1.12e-05
2268	116	-9.76	2.87	-0.50	-2.98e-04	0.0	-3.09e-04
2268	139	-1.76	10.44	-0.79	-7.98e-04	0.0	2.84e-04
2268	141	3.55	9.37	-0.84	-7.12e-04	0.0	3.24e-04
2268	148	-10.92	3.14	-0.48	-3.16e-04	0.0	-3.47e-04
2268	171	-1.93	11.73	-0.81	-8.84e-04	0.0	3.24e-04
2268	173	4.03	10.53	-0.87	-7.88e-04	0.0	3.68e-04
2268	180	-10.78	2.97	-0.48	-3.05e-04	0.0	-3.55e-04
2268	203	-1.88	11.93	-0.82	-8.97e-04	0.0	3.34e-04
2268	205	4.00	10.76	-0.88	-8.03e-04	0.0	3.79e-04
2268	212	-12.54	3.30	-0.46	-3.27e-04	0.0	-4.21e-04
2268	235	-2.12	14.06	-0.86	-1.04e-03	0.0	4.01e-04
2268	237	4.72	12.70	-0.93	-9.29e-04	0.0	4.55e-04
2268	264	-0.98	0.45	-0.66	-1.56e-04	0.0	-2.25e-06
2268	268	-0.39	1.07	-0.77	-2.06e-04	0.0	-1.60e-05
2268	276	-0.32	1.27	-0.71	-1.99e-04	0.0	-7.36e-06
2268	298	-0.33	0.52	-0.63	-1.46e-04	0.0	-1.71e-05
2268	305	-0.44	0.47	-0.60	-1.37e-04	0.0	-1.29e-05
2268	307	-0.31	0.63	-0.61	-1.46e-04	0.0	-1.40e-05
2268	310	-0.31	0.49	-0.60	-1.38e-04	0.0	-1.48e-05
2269	43	-1.48	0.70	-0.88	-1.89e-04	0.0	1.66e-05
2269	52	-0.56	1.73	-1.13	-2.83e-04	0.0	1.09e-05
2269	68	-0.46	2.01	-1.03	-2.76e-04	0.0	1.86e-05
2269	116	-10.02	3.02	-0.50	-2.63e-04	0.0	-2.92e-04
2269	139	-1.79	10.85	-0.80	-7.08e-04	0.0	3.38e-04
2269	141	3.67	9.73	-0.86	-6.34e-04	0.0	3.75e-04
2269	148	-11.22	3.30	-0.49	-2.78e-04	0.0	-3.31e-04
2269	171	-1.96	12.18	-0.83	-7.83e-04	0.0	3.82e-04
2269	173	4.17	10.93	-0.89	-7.00e-04	0.0	4.24e-04
2269	180	-11.08	3.13	-0.49	-2.68e-04	0.0	-3.39e-04
2269	203	-1.90	12.39	-0.84	-7.94e-04	0.0	3.93e-04
2269	205	4.13	11.18	-0.90	-7.13e-04	0.0	4.36e-04
2269	212	-12.89	3.46	-0.47	-2.86e-04	0.0	-4.06e-04
2269	235	-2.15	14.58	-0.88	-9.18e-04	0.0	4.67e-04
2269	237	4.88	13.17	-0.95	-8.23e-04	0.0	5.19e-04
2269	263	-1.00	0.49	-0.63	-1.33e-04	0.0	1.23e-05
2269	268	-0.38	1.18	-0.79	-1.95e-04	0.0	8.43e-06
2269	276	-0.32	1.37	-0.72	-1.91e-04	0.0	1.36e-05
2269	298	-0.33	0.60	-0.64	-1.37e-04	0.0	2.27e-06
2269	305	-0.44	0.54	-0.61	-1.29e-04	0.0	5.49e-06
2269	307	-0.31	0.71	-0.62	-1.38e-04	0.0	4.24e-06
2269	310	-0.31	0.56	-0.61	-1.30e-04	0.0	3.49e-06
2270	44	-1.39	0.52	-0.71	-2.32e-04	0.0	2.58e-06
2270	52	-0.52	1.40	-0.87	-3.06e-04	0.0	-1.44e-05
2270	68	-0.43	1.70	-0.80	-2.96e-04	0.0	-5.42e-06
2270	116	-9.44	2.59	-0.11	-3.30e-04	0.0	-3.01e-04
2270	125	8.61	3.39	-0.90	-3.30e-04	0.0	2.05e-05
2270	139	-1.70	10.08	-0.55	-9.41e-04	0.0	1.94e-04
2270	148	-10.57	2.84	-0.06	-3.51e-04	0.0	-3.39e-04
2270	157	9.72	3.78	-0.96	-3.55e-04	0.0	2.48e-05
2270	171	-1.86	11.34	-0.56	-1.04e-03	0.0	2.21e-04
2270	180	-10.43	2.68	-0.07	-3.37e-04	0.0	-3.43e-04
2270	189	9.57	3.84	-0.95	-3.62e-04	0.0	2.80e-05
2270	203	-1.81	11.54	-0.57	-1.06e-03	0.0	2.29e-04
2270	212	-12.14	2.98	4.61e-03	-3.63e-04	0.0	-4.06e-04
2270	221	11.18	4.48	-1.03	-4.04e-04	0.0	3.67e-05
2270	235	-2.04	13.60	-0.59	-1.23e-03	0.0	2.74e-04

2270	264	-0.94	0.37	-0.50	-1.62e-04	0.0	1.77e-06
2270	268	-0.36	0.95	-0.61	-2.12e-04	0.0	-9.53e-06
2270	276	-0.30	1.15	-0.56	-2.05e-04	0.0	-3.56e-06
2270	298	-0.30	0.44	-0.50	-1.50e-04	0.0	-1.10e-05
2270	305	-0.41	0.39	-0.47	-1.42e-04	0.0	-7.70e-06
2270	307	-0.28	0.55	-0.48	-1.50e-04	0.0	-8.76e-06
2270	310	-0.29	0.41	-0.48	-1.43e-04	0.0	-9.64e-06
2271	44	-1.45	0.65	-0.74	-2.32e-04	0.0	5.40e-06
2271	52	-0.56	1.57	-0.91	-3.06e-04	0.0	-1.40e-05
2271	68	-0.46	1.86	-0.83	-2.95e-04	0.0	-2.87e-06
2271	116	-9.76	2.77	-0.13	-3.05e-04	0.0	-3.04e-04
2271	125	8.86	3.58	-0.93	-3.11e-04	0.0	4.98e-05
2271	139	-1.76	10.58	-0.58	-8.53e-04	0.0	2.70e-04
2271	148	-10.92	3.03	-0.08	-3.23e-04	0.0	-3.42e-04
2271	157	10.00	3.99	-0.98	-3.33e-04	0.0	5.79e-05
2271	171	-1.93	11.89	-0.59	-9.46e-04	0.0	3.07e-04
2271	180	-10.78	2.86	-0.08	-3.12e-04	0.0	-3.49e-04
2271	189	9.85	4.05	-0.97	-3.39e-04	0.0	6.19e-05
2271	203	-1.87	12.10	-0.59	-9.59e-04	0.0	3.17e-04
2271	212	-12.54	3.17	-0.01	-3.34e-04	0.0	-4.14e-04
2271	221	11.51	4.72	-1.05	-3.77e-04	0.0	7.69e-05
2271	235	-2.12	14.25	-0.62	-1.11e-03	0.0	3.80e-04
2271	264	-0.98	0.46	-0.52	-1.62e-04	0.0	3.99e-06
2271	268	-0.39	1.07	-0.64	-2.11e-04	0.0	-8.92e-06
2271	276	-0.32	1.26	-0.58	-2.04e-04	0.0	-1.53e-06
2271	298	-0.33	0.52	-0.52	-1.50e-04	0.0	-1.14e-05
2271	305	-0.44	0.47	-0.49	-1.41e-04	0.0	-7.59e-06
2271	307	-0.31	0.63	-0.50	-1.50e-04	0.0	-8.69e-06
2271	310	-0.31	0.49	-0.50	-1.42e-04	0.0	-9.53e-06
2272	43	-1.48	0.70	-0.69	-2.03e-04	0.0	1.31e-05
2272	52	-0.56	1.73	-0.92	-3.00e-04	0.0	6.98e-06
2272	68	-0.46	2.02	-0.84	-2.91e-04	0.0	1.59e-05
2272	116	-10.02	2.93	-0.13	-2.68e-04	0.0	-2.98e-04
2272	125	9.13	3.76	-0.94	-2.81e-04	0.0	7.21e-05
2272	139	-1.79	11.01	-0.59	-7.32e-04	0.0	3.17e-04
2272	148	-11.22	3.20	-0.09	-2.82e-04	0.0	-3.37e-04
2272	157	10.30	4.17	-0.99	-2.99e-04	0.0	8.17e-05
2272	171	-1.96	12.36	-0.60	-8.09e-04	0.0	3.59e-04
2272	180	-11.08	3.02	-0.09	-2.72e-04	0.0	-3.45e-04
2272	189	10.14	4.24	-0.99	-3.04e-04	0.0	8.61e-05
2272	203	-1.90	12.58	-0.61	-8.21e-04	0.0	3.70e-04
2272	212	-12.89	3.34	-0.02	-2.89e-04	0.0	-4.13e-04
2272	221	11.84	4.93	-1.07	-3.36e-04	0.0	1.04e-04
2272	235	-2.15	14.81	-0.63	-9.47e-04	0.0	4.40e-04
2272	263	-1.00	0.50	-0.49	-1.43e-04	0.0	9.86e-06
2272	268	-0.38	1.18	-0.65	-2.08e-04	0.0	5.80e-06
2272	276	-0.32	1.37	-0.59	-2.01e-04	0.0	1.17e-05
2272	298	-0.33	0.60	-0.53	-1.46e-04	0.0	0.0
2272	305	-0.44	0.54	-0.50	-1.38e-04	0.0	3.35e-06
2272	307	-0.31	0.71	-0.51	-1.47e-04	0.0	2.11e-06
2272	310	-0.31	0.56	-0.51	-1.39e-04	0.0	1.35e-06
2273	4	-0.23	0.82	-0.76	-2.68e-04	0.0	-1.70e-05
2273	44	-1.39	0.53	-0.58	-2.29e-04	0.0	7.27e-06
2273	68	-0.43	1.70	-0.70	-2.93e-04	0.0	-1.03e-06
2273	116	-9.44	2.49	0.27	-3.34e-04	0.0	-2.98e-04
2273	121	8.80	2.50	-1.14	-2.47e-04	0.0	5.90e-05
2273	139	-1.69	10.18	-0.42	-9.98e-04	0.0	1.94e-04
2273	148	-10.57	2.73	0.36	-3.56e-04	0.0	-3.36e-04
2273	153	9.93	2.77	-1.24	-2.62e-04	0.0	6.81e-05
2273	171	-1.86	11.45	-0.42	-1.11e-03	0.0	2.20e-04
2273	180	-10.43	2.57	0.35	-3.41e-04	0.0	-3.40e-04
2273	185	9.79	2.82	-1.23	-2.68e-04	0.0	7.37e-05
2273	203	-1.80	11.66	-0.43	-1.13e-03	0.0	2.28e-04
2273	212	-12.13	2.84	0.48	-3.68e-04	0.0	-4.03e-04
2273	217	11.44	3.29	-1.36	-2.94e-04	0.0	9.25e-05
2273	235	-2.04	13.74	-0.43	-1.31e-03	0.0	2.73e-04
2273	244	-0.17	0.56	-0.54	-1.86e-04	0.0	-1.12e-05
2273	264	-0.94	0.37	-0.42	-1.61e-04	0.0	5.02e-06
2273	276	-0.30	1.15	-0.49	-2.03e-04	0.0	0.0
2273	298	-0.30	0.43	-0.44	-1.47e-04	0.0	-7.87e-06
2273	305	-0.41	0.39	-0.41	-1.39e-04	0.0	-4.75e-06
2273	307	-0.28	0.55	-0.42	-1.47e-04	0.0	-5.86e-06
2273	310	-0.28	0.41	-0.42	-1.40e-04	0.0	-6.71e-06
2274	4	-0.27	0.96	-0.81	-2.76e-04	0.0	-1.90e-05
2274	44	-1.45	0.65	-0.63	-2.36e-04	0.0	8.09e-06

2274	68	-0.46	1.86	-0.74	-2.99e-04	0.0	0.0
2274	116	-9.76	2.67	0.23	-3.09e-04	0.0	-3.02e-04
2274	121	9.06	2.65	-1.15	-2.46e-04	0.0	7.45e-05
2274	139	-1.76	10.71	-0.45	-8.95e-04	0.0	2.66e-04
2274	148	-10.92	2.92	0.31	-3.28e-04	0.0	-3.40e-04
2274	153	10.22	2.94	-1.24	-2.59e-04	0.0	8.59e-05
2274	171	-1.93	12.04	-0.46	-9.92e-04	0.0	3.02e-04
2274	180	-10.78	2.75	0.30	-3.15e-04	0.0	-3.46e-04
2274	185	10.08	2.99	-1.23	-2.64e-04	0.0	9.21e-05
2274	203	-1.88	12.25	-0.47	-1.01e-03	0.0	3.12e-04
2274	212	-12.54	3.04	0.43	-3.37e-04	0.0	-4.12e-04
2274	217	11.78	3.48	-1.36	-2.89e-04	0.0	1.15e-04
2274	235	-2.12	14.44	-0.47	-1.17e-03	0.0	3.73e-04
2274	244	-0.20	0.67	-0.57	-1.92e-04	0.0	-1.22e-05
2274	264	-0.98	0.46	-0.45	-1.65e-04	0.0	5.85e-06
2274	276	-0.32	1.27	-0.52	-2.07e-04	0.0	0.0
2274	298	-0.33	0.51	-0.46	-1.51e-04	0.0	-9.67e-06
2274	305	-0.44	0.47	-0.43	-1.43e-04	0.0	-5.94e-06
2274	307	-0.31	0.63	-0.45	-1.52e-04	0.0	-7.07e-06
2274	310	-0.31	0.48	-0.44	-1.44e-04	0.0	-7.90e-06
2275	43	-1.48	0.71	-0.59	-2.10e-04	0.0	1.30e-05
2275	52	-0.56	1.73	-0.83	-3.10e-04	0.0	6.87e-06
2275	68	-0.46	2.03	-0.76	-3.00e-04	0.0	1.58e-05
2275	116	-10.02	2.83	0.20	-2.69e-04	0.0	-2.99e-04
2275	121	9.32	2.80	-1.15	-2.36e-04	0.0	9.19e-05
2275	139	-1.79	11.16	-0.48	-7.50e-04	0.0	3.11e-04
2275	148	-11.22	3.09	0.28	-2.83e-04	0.0	-3.38e-04
2275	153	10.52	3.09	-1.24	-2.49e-04	0.0	1.04e-04
2275	171	-1.96	12.54	-0.48	-8.28e-04	0.0	3.52e-04
2275	180	-11.08	2.92	0.27	-2.73e-04	0.0	-3.46e-04
2275	185	10.37	3.15	-1.23	-2.53e-04	0.0	1.11e-04
2275	203	-1.90	12.76	-0.49	-8.41e-04	0.0	3.62e-04
2275	212	-12.89	3.22	0.40	-2.89e-04	0.0	-4.13e-04
2275	217	12.13	3.65	-1.36	-2.75e-04	0.0	1.35e-04
2275	235	-2.15	15.03	-0.50	-9.70e-04	0.0	4.31e-04
2275	263	-1.00	0.50	-0.42	-1.48e-04	0.0	9.79e-06
2275	268	-0.38	1.18	-0.58	-2.15e-04	0.0	5.73e-06
2275	276	-0.32	1.38	-0.54	-2.08e-04	0.0	1.17e-05
2275	298	-0.33	0.60	-0.48	-1.52e-04	0.0	0.0
2275	305	-0.44	0.54	-0.45	-1.44e-04	0.0	3.28e-06
2275	307	-0.31	0.71	-0.46	-1.52e-04	0.0	2.04e-06
2275	310	-0.31	0.56	-0.46	-1.44e-04	0.0	1.29e-06
2276	43	-1.50	0.76	-1.16	-1.65e-04	0.0	5.11e-05
2276	52	-0.54	1.84	-1.45	-2.53e-04	0.0	5.28e-05
2276	68	-0.44	2.12	-1.32	-2.52e-04	0.0	5.32e-05
2276	116	-10.26	3.22	-0.99	-2.35e-04	0.0	-2.73e-04
2276	139	-1.81	10.99	-1.16	-6.31e-04	0.0	3.83e-04
2276	148	-11.49	3.52	-1.02	-2.49e-04	0.0	-3.12e-04
2276	171	-1.99	12.34	-1.21	-6.98e-04	0.0	4.30e-04
2276	180	-11.34	3.34	-1.01	-2.40e-04	0.0	-3.21e-04
2276	203	-1.92	12.55	-1.21	-7.08e-04	0.0	4.42e-04
2276	212	-13.20	3.71	-1.05	-2.56e-04	0.0	-3.89e-04
2276	235	-2.17	14.76	-1.29	-8.18e-04	0.0	5.21e-04
2276	263	-1.01	0.54	-0.82	-1.16e-04	0.0	3.63e-05
2276	268	-0.38	1.26	-1.01	-1.75e-04	0.0	3.74e-05
2276	276	-0.31	1.44	-0.92	-1.74e-04	0.0	3.77e-05
2276	298	-0.33	0.65	-0.82	-1.20e-04	0.0	2.58e-05
2276	305	-0.44	0.59	-0.78	-1.14e-04	0.0	2.76e-05
2276	307	-0.30	0.76	-0.79	-1.23e-04	0.0	2.61e-05
2276	310	-0.31	0.61	-0.78	-1.15e-04	0.0	2.55e-05
2277	43	-1.52	0.84	-1.17	-1.76e-04	0.0	7.22e-05
2277	52	-0.53	1.96	-1.46	-2.68e-04	0.0	8.14e-05
2277	68	-0.43	2.25	-1.33	-2.66e-04	0.0	8.01e-05
2277	116	-10.49	3.33	-1.01	-2.31e-04	0.0	-2.73e-04
2277	139	-1.82	11.30	-1.17	-5.87e-04	0.0	3.49e-04
2277	148	-11.75	3.64	-1.03	-2.43e-04	0.0	-3.13e-04
2277	171	-2.00	12.68	-1.22	-6.47e-04	0.0	3.90e-04
2277	180	-11.60	3.46	-1.02	-2.35e-04	0.0	-3.21e-04
2277	203	-1.94	12.89	-1.23	-6.56e-04	0.0	4.01e-04
2277	212	-13.50	3.83	-1.06	-2.50e-04	0.0	-3.91e-04
2277	235	-2.19	15.15	-1.31	-7.55e-04	0.0	4.69e-04
2277	263	-1.02	0.60	-0.83	-1.24e-04	0.0	5.16e-05
2277	268	-0.37	1.34	-1.02	-1.86e-04	0.0	5.77e-05
2277	276	-0.30	1.53	-0.94	-1.84e-04	0.0	5.69e-05
2277	298	-0.32	0.71	-0.83	-1.28e-04	0.0	4.07e-05

2277	305	-0.44	0.65	-0.79	-1.22e-04	0.0	4.23e-05
2277	307	-0.30	0.82	-0.80	-1.30e-04	0.0	4.06e-05
2277	310	-0.30	0.67	-0.79	-1.23e-04	0.0	4.01e-05
2278	43	-1.50	0.79	-0.89	-1.84e-04	0.0	4.06e-05
2278	52	-0.54	1.86	-1.14	-2.77e-04	0.0	4.10e-05
2278	68	-0.44	2.15	-1.04	-2.72e-04	0.0	4.46e-05
2278	116	-10.26	3.14	-0.51	-2.34e-04	0.0	-2.84e-04
2278	139	-1.81	11.18	-0.82	-6.18e-04	0.0	3.49e-04
2278	141	3.78	10.03	-0.87	-5.55e-04	0.0	3.87e-04
2278	148	-11.49	3.43	-0.50	-2.46e-04	0.0	-3.24e-04
2278	171	-1.99	12.55	-0.84	-6.82e-04	0.0	3.92e-04
2278	173	4.30	11.26	-0.91	-6.11e-04	0.0	4.36e-04
2278	180	-11.34	3.25	-0.49	-2.38e-04	0.0	-3.32e-04
2278	203	-1.92	12.76	-0.85	-6.92e-04	0.0	4.03e-04
2278	205	4.26	11.51	-0.91	-6.22e-04	0.0	4.48e-04
2278	212	-13.20	3.60	-0.47	-2.52e-04	0.0	-4.01e-04
2278	235	-2.17	15.01	-0.89	-7.97e-04	0.0	4.77e-04
2278	237	5.03	13.56	-0.97	-7.16e-04	0.0	5.30e-04
2278	263	-1.01	0.55	-0.63	-1.29e-04	0.0	2.92e-05
2278	268	-0.38	1.27	-0.80	-1.92e-04	0.0	2.95e-05
2278	276	-0.31	1.46	-0.73	-1.88e-04	0.0	3.18e-05
2278	298	-0.33	0.66	-0.65	-1.34e-04	0.0	1.88e-05
2278	305	-0.44	0.60	-0.62	-1.26e-04	0.0	2.12e-05
2278	307	-0.30	0.78	-0.63	-1.35e-04	0.0	1.98e-05
2278	310	-0.31	0.63	-0.62	-1.27e-04	0.0	1.92e-05
2279	4	-0.24	1.44	-1.11	0.0	-8.59e-05	1.82e-05
2279	44	-1.49	1.13	-0.98	0.0	-1.40e-04	3.67e-05
2279	68	-0.45	2.41	-0.98	0.0	-8.42e-05	2.38e-05
2279	116	-11.44	1.91	-0.58	0.0	-4.43e-04	-4.06e-04
2279	121	10.11	3.37	-0.64	0.0	3.24e-04	1.48e-04
2279	139	-1.73	12.11	-0.61	0.0	-7.90e-05	1.13e-04
2279	148	-12.83	2.04	-0.58	0.0	-4.92e-04	-4.58e-04
2279	153	11.41	3.71	-0.64	0.0	3.72e-04	1.66e-04
2279	171	-1.89	13.60	-0.61	0.0	-8.12e-05	1.27e-04
2279	180	-12.68	1.88	-0.58	0.0	-4.87e-04	-4.58e-04
2279	185	11.26	3.81	-0.64	0.0	3.66e-04	1.68e-04
2279	203	-1.81	13.88	-0.61	0.0	-7.68e-05	1.31e-04
2279	209	14.18	-0.48	-0.65	0.0	4.51e-04	5.67e-04
2279	212	-14.78	1.97	-0.57	0.0	-5.61e-04	-5.43e-04
2279	235	-2.02	16.34	-0.61	0.0	-7.83e-05	1.54e-04
2279	244	-0.18	1.00	-0.77	0.0	-6.03e-05	1.28e-05
2279	264	-1.01	0.79	-0.68	0.0	-9.66e-05	2.52e-05
2279	276	-0.31	1.64	-0.69	0.0	-5.92e-05	1.66e-05
2279	298	-0.32	0.79	-0.64	0.0	-5.76e-05	1.29e-05
2279	305	-0.44	0.74	-0.61	0.0	-6.17e-05	1.44e-05
2279	307	-0.30	0.91	-0.61	0.0	-5.42e-05	1.27e-05
2279	310	-0.30	0.75	-0.61	0.0	-5.49e-05	1.21e-05
2280	44	-1.45	1.05	-0.96	0.0	-1.42e-04	3.74e-05
2280	52	-0.49	2.03	-1.11	0.0	-1.00e-04	2.60e-05
2280	68	-0.42	2.30	-0.98	0.0	-8.63e-05	2.41e-05
2280	116	-10.99	1.85	-0.55	0.0	-5.48e-04	-4.42e-04
2280	125	9.57	3.98	-0.66	0.0	3.95e-04	1.08e-04
2280	139	-1.72	11.77	-0.62	0.0	-1.04e-04	9.75e-05
2280	148	-12.31	1.97	-0.55	0.0	-6.09e-04	-5.00e-04
2280	157	10.80	4.42	-0.67	0.0	4.51e-04	1.20e-04
2280	171	-1.89	13.22	-0.62	0.0	-1.10e-04	1.09e-04
2280	180	-12.17	1.82	-0.55	0.0	-6.02e-04	-4.99e-04
2280	189	10.64	4.51	-0.67	0.0	4.43e-04	1.19e-04
2280	203	-1.81	13.49	-0.62	0.0	-1.05e-04	1.13e-04
2280	212	-14.18	1.91	-0.54	0.0	-6.95e-04	-5.91e-04
2280	217	12.84	4.28	-0.68	0.0	5.48e-04	2.22e-04
2280	235	-2.03	15.89	-0.62	0.0	-1.11e-04	1.33e-04
2280	264	-0.98	0.73	-0.68	0.0	-9.79e-05	2.57e-05
2280	268	-0.34	1.38	-0.77	0.0	-7.00e-05	1.81e-05
2280	276	-0.29	1.57	-0.69	0.0	-6.07e-05	1.68e-05
2280	298	-0.29	0.74	-0.63	0.0	-5.87e-05	1.31e-05
2280	305	-0.41	0.69	-0.61	0.0	-6.28e-05	1.46e-05
2280	307	-0.28	0.85	-0.61	0.0	-5.53e-05	1.28e-05
2280	310	-0.28	0.70	-0.61	0.0	-5.60e-05	1.24e-05
2281	44	-1.52	1.12	-0.97	0.0	-1.41e-04	3.80e-05
2281	52	-0.54	2.13	-1.11	0.0	-9.93e-05	2.71e-05
2281	68	-0.46	2.41	-0.99	0.0	-8.53e-05	2.52e-05
2281	116	-11.23	1.91	-0.56	0.0	-4.59e-04	-4.32e-04
2281	125	9.75	4.12	-0.67	0.0	3.23e-04	9.85e-05
2281	139	-1.77	12.11	-0.62	0.0	-8.89e-05	1.07e-04

2281	148	-12.58	2.03	-0.55	0.0	-5.09e-04	-4.88e-04
2281	157	11.00	4.56	-0.67	0.0	3.70e-04	1.09e-04
2281	171	-1.94	13.59	-0.62	0.0	-9.24e-05	1.20e-04
2281	180	-12.43	1.87	-0.55	0.0	-5.04e-04	-4.88e-04
2281	189	10.83	4.66	-0.67	0.0	3.63e-04	1.08e-04
2281	203	-1.86	13.88	-0.62	0.0	-8.81e-05	1.24e-04
2281	212	-14.49	1.96	-0.54	0.0	-5.80e-04	-5.78e-04
2281	217	13.08	4.43	-0.68	0.0	4.53e-04	2.11e-04
2281	235	-2.08	16.34	-0.62	0.0	-9.16e-05	1.46e-04
2281	264	-1.03	0.78	-0.68	0.0	-9.71e-05	2.61e-05
2281	268	-0.38	1.46	-0.78	0.0	-6.92e-05	1.88e-05
2281	276	-0.32	1.64	-0.69	0.0	-5.99e-05	1.76e-05
2281	298	-0.32	0.79	-0.64	0.0	-5.81e-05	1.36e-05
2281	305	-0.44	0.73	-0.61	0.0	-6.23e-05	1.51e-05
2281	307	-0.30	0.90	-0.61	0.0	-5.48e-05	1.34e-05
2281	310	-0.31	0.74	-0.61	0.0	-5.55e-05	1.29e-05
2282	44	-1.47	1.05	-0.97	0.0	-1.43e-04	3.91e-05
2282	52	-0.51	2.03	-1.12	0.0	-1.02e-04	2.78e-05
2282	68	-0.43	2.30	-0.99	0.0	-8.80e-05	2.58e-05
2282	116	-10.75	1.85	-0.52	0.0	-5.52e-04	-4.71e-04
2282	125	9.51	3.98	-0.71	0.0	4.02e-04	1.38e-04
2282	139	-1.75	11.77	-0.64	0.0	-1.13e-04	9.17e-05
2282	148	-12.04	1.97	-0.51	0.0	-6.13e-04	-5.32e-04
2282	157	10.73	4.42	-0.72	0.0	4.59e-04	1.53e-04
2282	171	-1.92	13.22	-0.65	0.0	-1.19e-04	1.03e-04
2282	180	-11.89	1.82	-0.51	0.0	-6.06e-04	-5.31e-04
2282	189	10.57	4.51	-0.72	0.0	4.50e-04	1.52e-04
2282	203	-1.85	13.49	-0.65	0.0	-1.14e-04	1.07e-04
2282	212	-13.86	1.91	-0.49	0.0	-7.00e-04	-6.28e-04
2282	221	12.34	5.23	-0.74	0.0	5.33e-04	1.76e-04
2282	235	-2.08	15.89	-0.66	0.0	-1.22e-04	1.26e-04
2282	264	-0.99	0.73	-0.68	0.0	-9.88e-05	2.69e-05
2282	268	-0.35	1.38	-0.78	0.0	-7.12e-05	1.93e-05
2282	276	-0.30	1.56	-0.70	0.0	-6.18e-05	1.80e-05
2282	298	-0.30	0.74	-0.64	0.0	-5.95e-05	1.40e-05
2282	305	-0.42	0.69	-0.61	0.0	-6.36e-05	1.55e-05
2282	307	-0.28	0.85	-0.61	0.0	-5.62e-05	1.37e-05
2282	310	-0.29	0.70	-0.61	0.0	-5.68e-05	1.33e-05
2283	44	-1.54	1.11	-0.97	0.0	-1.41e-04	3.98e-05
2283	52	-0.56	2.12	-1.13	0.0	-9.98e-05	2.90e-05
2283	68	-0.48	2.39	-1.00	0.0	-8.58e-05	2.69e-05
2283	116	-11.00	1.91	-0.52	0.0	-4.84e-04	-4.55e-04
2283	125	9.69	4.11	-0.71	0.0	3.47e-04	1.22e-04
2283	139	-1.80	12.11	-0.65	0.0	-9.98e-05	1.02e-04
2283	148	-12.32	2.03	-0.51	0.0	-5.37e-04	-5.14e-04
2283	157	10.94	4.56	-0.73	0.0	3.97e-04	1.35e-04
2283	171	-1.98	13.59	-0.65	0.0	-1.05e-04	1.14e-04
2283	180	-12.17	1.87	-0.51	0.0	-5.31e-04	-5.14e-04
2283	189	10.78	4.65	-0.73	0.0	3.90e-04	1.34e-04
2283	203	-1.90	13.87	-0.65	0.0	-1.01e-04	1.18e-04
2283	212	-14.18	1.96	-0.50	0.0	-6.12e-04	-6.08e-04
2283	221	12.59	5.39	-0.74	0.0	4.62e-04	1.55e-04
2283	235	-2.14	16.33	-0.66	0.0	-1.06e-04	1.40e-04
2283	264	-1.04	0.78	-0.68	0.0	-9.71e-05	2.74e-05
2283	268	-0.39	1.45	-0.79	0.0	-6.96e-05	2.02e-05
2283	276	-0.33	1.63	-0.70	0.0	-6.02e-05	1.88e-05
2283	298	-0.33	0.78	-0.64	0.0	-5.84e-05	1.46e-05
2283	305	-0.45	0.73	-0.61	0.0	-6.24e-05	1.61e-05
2283	307	-0.31	0.90	-0.62	0.0	-5.51e-05	1.43e-05
2283	310	-0.31	0.74	-0.61	0.0	-5.56e-05	1.38e-05
2284	44	-1.49	1.04	-1.00	0.0	-1.45e-04	3.92e-05
2284	52	-0.53	2.03	-1.17	0.0	-1.04e-04	2.80e-05
2284	68	-0.45	2.30	-1.04	0.0	-8.99e-05	2.60e-05
2284	116	-10.49	1.85	-0.49	0.0	-5.58e-04	-4.75e-04
2284	125	9.44	3.98	-0.80	0.0	4.10e-04	1.43e-04
2284	139	-1.78	11.78	-0.71	0.0	-1.21e-04	9.05e-05
2284	148	-11.75	1.97	-0.47	0.0	-6.20e-04	-5.36e-04
2284	157	10.65	4.42	-0.82	0.0	4.68e-04	1.59e-04
2284	171	-1.95	13.22	-0.72	0.0	-1.28e-04	1.01e-04
2284	180	-11.61	1.82	-0.47	0.0	-6.13e-04	-5.35e-04
2284	189	10.49	4.51	-0.81	0.0	4.60e-04	1.58e-04
2284	203	-1.88	13.50	-0.73	0.0	-1.24e-04	1.05e-04
2284	212	-13.52	1.91	-0.44	0.0	-7.07e-04	-6.33e-04
2284	221	12.25	5.23	-0.85	0.0	5.44e-04	1.82e-04
2284	235	-2.12	15.89	-0.74	0.0	-1.33e-04	1.24e-04

2284	264	-1.01	0.73	-0.70	0.0	-9.98e-05	2.70e-05
2284	268	-0.37	1.38	-0.81	0.0	-7.27e-05	1.95e-05
2284	276	-0.31	1.56	-0.73	0.0	-6.32e-05	1.82e-05
2284	298	-0.31	0.74	-0.66	0.0	-6.06e-05	1.42e-05
2284	305	-0.43	0.69	-0.63	0.0	-6.46e-05	1.56e-05
2284	307	-0.29	0.85	-0.63	0.0	-5.73e-05	1.39e-05
2284	310	-0.29	0.70	-0.63	0.0	-5.78e-05	1.34e-05
2285	44	-1.56	1.10	-1.01	0.0	-1.41e-04	4.04e-05
2285	52	-0.58	2.11	-1.18	0.0	-1.00e-04	2.97e-05
2285	68	-0.49	2.38	-1.05	0.0	-8.60e-05	2.76e-05
2285	116	-10.76	1.90	-0.49	0.0	-5.15e-04	-4.59e-04
2285	125	9.63	4.11	-0.80	0.0	3.77e-04	1.27e-04
2285	139	-1.83	12.10	-0.72	0.0	-1.11e-04	1.01e-04
2285	148	-12.05	2.02	-0.47	0.0	-5.72e-04	-5.19e-04
2285	157	10.87	4.55	-0.82	0.0	4.31e-04	1.41e-04
2285	171	-2.01	13.59	-0.73	0.0	-1.17e-04	1.13e-04
2285	180	-11.90	1.86	-0.47	0.0	-5.65e-04	-5.18e-04
2285	189	10.70	4.65	-0.82	0.0	4.23e-04	1.40e-04
2285	203	-1.94	13.87	-0.73	0.0	-1.13e-04	1.17e-04
2285	212	-13.85	1.95	-0.44	0.0	-6.52e-04	-6.13e-04
2285	221	12.50	5.39	-0.85	0.0	5.01e-04	1.62e-04
2285	235	-2.18	16.33	-0.75	0.0	-1.21e-04	1.38e-04
2285	264	-1.06	0.77	-0.71	0.0	-9.70e-05	2.78e-05
2285	268	-0.40	1.44	-0.82	0.0	-6.98e-05	2.07e-05
2285	276	-0.34	1.62	-0.74	0.0	-6.04e-05	1.93e-05
2285	298	-0.34	0.78	-0.66	0.0	-5.85e-05	1.51e-05
2285	305	-0.46	0.72	-0.63	0.0	-6.25e-05	1.65e-05
2285	307	-0.32	0.89	-0.64	0.0	-5.52e-05	1.48e-05
2285	310	-0.32	0.73	-0.63	0.0	-5.57e-05	1.42e-05
2286	44	-1.44	1.26	-0.61	0.0	-1.27e-04	1.91e-05
2286	68	-0.40	2.57	-0.57	0.0	-7.24e-05	1.60e-05
2286	76	-0.54	1.19	-0.69	0.0	-9.27e-05	1.03e-05
2286	116	-12.67	2.00	-0.48	0.0	-5.14e-04	-3.71e-04
2286	139	-1.38	12.47	-0.18	0.0	-4.02e-05	1.44e-04
2286	140	-5.90	-8.68	-0.61	0.0	-3.00e-04	-2.83e-04
2286	148	-14.21	2.12	-0.50	0.0	-5.72e-04	-4.19e-04
2286	171	-1.50	13.99	-0.16	0.0	-3.80e-05	1.62e-04
2286	172	-6.61	-9.94	-0.64	0.0	-3.32e-04	-3.20e-04
2286	180	-14.09	1.96	-0.50	0.0	-5.68e-04	-4.21e-04
2286	203	-1.39	14.28	-0.15	0.0	-3.17e-05	1.67e-04
2286	204	-6.62	-10.27	-0.65	0.0	-3.34e-04	-3.23e-04
2286	212	-16.45	2.05	-0.52	0.0	-6.59e-04	-4.99e-04
2286	235	-1.52	16.80	-0.11	0.0	-2.52e-05	1.98e-04
2286	236	-7.73	-12.39	-0.70	0.0	-3.86e-04	-3.84e-04
2286	264	-0.98	0.88	-0.43	0.0	-8.76e-05	1.31e-05
2286	276	-0.28	1.76	-0.41	0.0	-5.09e-05	1.10e-05
2286	280	-0.37	0.83	-0.48	0.0	-6.45e-05	7.28e-06
2286	298	-0.30	0.87	-0.40	0.0	-5.13e-05	6.68e-06
2286	305	-0.42	0.81	-0.38	0.0	-5.53e-05	7.38e-06
2286	307	-0.28	0.98	-0.38	0.0	-4.80e-05	6.97e-06
2286	310	-0.29	0.82	-0.38	0.0	-4.90e-05	6.15e-06
2287	44	-1.50	1.38	-0.64	0.0	-1.23e-04	3.31e-05
2287	68	-0.44	2.71	-0.59	0.0	-7.04e-05	2.35e-05
2287	76	-0.58	1.31	-0.71	0.0	-9.01e-05	1.93e-05
2287	116	-12.88	2.08	-0.49	0.0	-4.75e-04	-3.71e-04
2287	139	-1.40	12.81	-0.19	0.0	-3.57e-05	1.45e-04
2287	140	-6.02	-8.84	-0.62	0.0	-2.81e-04	-2.78e-04
2287	148	-14.44	2.20	-0.51	0.0	-5.29e-04	-4.19e-04
2287	171	-1.51	14.37	-0.17	0.0	-3.32e-05	1.63e-04
2287	172	-6.75	-10.13	-0.65	0.0	-3.11e-04	-3.16e-04
2287	180	-14.31	2.04	-0.51	0.0	-5.26e-04	-4.20e-04
2287	203	-1.40	14.66	-0.16	0.0	-2.73e-05	1.68e-04
2287	204	-6.75	-10.47	-0.66	0.0	-3.14e-04	-3.18e-04
2287	212	-16.71	2.13	-0.53	0.0	-6.09e-04	-4.99e-04
2287	235	-1.53	17.25	-0.12	0.0	-2.04e-05	1.98e-04
2287	236	-7.89	-12.64	-0.71	0.0	-3.62e-04	-3.79e-04
2287	264	-1.02	0.96	-0.45	0.0	-8.47e-05	2.27e-05
2287	276	-0.31	1.85	-0.42	0.0	-4.95e-05	1.63e-05
2287	280	-0.40	0.92	-0.50	0.0	-6.26e-05	1.35e-05
2287	301	-0.32	0.92	-0.41	0.0	-4.95e-05	1.12e-05
2287	305	-0.44	0.87	-0.39	0.0	-5.37e-05	1.30e-05
2287	307	-0.30	1.05	-0.39	0.0	-4.66e-05	1.17e-05
2287	310	-0.31	0.89	-0.39	0.0	-4.76e-05	1.09e-05
2288	28	-1.10	1.10	-0.84	-2.62e-04	0.0	1.30e-04
2288	44	-1.44	0.90	-0.75	-2.27e-04	0.0	1.06e-04

2288	68	-0.41	2.12	-0.75	-2.92e-04	0.0	1.06e-04
2288	116	-9.97	2.00	-0.66	-1.94e-04	0.0	-3.02e-04
2288	119	-9.01	7.09	-0.69	-4.95e-04	0.0	-2.37e-04
2288	139	-1.73	11.48	-0.59	-7.64e-04	0.0	-1.13e-04
2288	148	-11.17	2.15	-0.68	-1.99e-04	0.0	-3.47e-04
2288	151	-10.08	7.91	-0.72	-5.40e-04	0.0	-2.74e-04
2288	171	-1.90	12.90	-0.60	-8.46e-04	0.0	-1.34e-04
2288	180	-11.02	1.99	-0.68	-1.91e-04	0.0	-3.42e-04
2288	183	-9.92	7.92	-0.72	-5.41e-04	0.0	-2.63e-04
2288	203	-1.84	13.16	-0.60	-8.61e-04	0.0	-1.20e-04
2288	212	-12.83	2.12	-0.71	-1.95e-04	0.0	-4.13e-04
2288	215	-11.52	9.21	-0.76	-6.13e-04	0.0	-3.16e-04
2288	235	-2.08	15.51	-0.63	-9.96e-04	0.0	-1.48e-04
2288	256	-0.75	0.77	-0.59	-1.82e-04	0.0	8.83e-05
2288	264	-0.97	0.63	-0.53	-1.59e-04	0.0	7.20e-05
2288	276	-0.29	1.44	-0.53	-2.02e-04	0.0	7.19e-05
2288	298	-0.29	0.65	-0.47	-1.46e-04	0.0	7.14e-05
2288	305	-0.41	0.60	-0.46	-1.38e-04	0.0	6.67e-05
2288	307	-0.27	0.76	-0.45	-1.47e-04	0.0	6.67e-05
2288	310	-0.27	0.61	-0.45	-1.39e-04	0.0	6.46e-05
2289	44	-1.27	0.72	-0.83	-3.02e-04	0.0	2.87e-04
2289	52	-0.36	1.59	-0.95	-4.00e-04	0.0	3.38e-04
2289	68	-0.31	1.87	-0.85	-3.72e-04	0.0	2.81e-04
2289	116	-9.32	1.70	-0.45	-2.53e-04	0.0	-1.42e-04
2289	137	3.57	8.68	-0.64	-7.73e-04	0.0	3.66e-04
2289	139	-1.58	10.62	-0.62	-8.97e-04	0.0	2.34e-04
2289	148	-10.45	1.83	-0.44	-2.59e-04	0.0	-1.82e-04
2289	169	4.04	9.76	-0.65	-8.50e-04	0.0	3.90e-04
2289	171	-1.74	11.94	-0.63	-9.89e-04	0.0	2.42e-04
2289	180	-10.31	1.69	-0.44	-2.50e-04	0.0	-1.80e-04
2289	201	4.01	10.05	-0.66	-8.69e-04	0.0	3.85e-04
2289	203	-1.68	12.19	-0.63	-1.01e-03	0.0	2.40e-04
2289	212	-12.02	1.79	-0.43	-2.55e-04	0.0	-2.44e-04
2289	233	4.73	11.88	-0.68	-9.99e-04	0.0	4.21e-04
2289	235	-1.91	14.37	-0.66	-1.16e-03	0.0	2.52e-04
2289	264	-0.86	0.51	-0.58	-2.10e-04	0.0	1.98e-04
2289	268	-0.25	1.08	-0.66	-2.75e-04	0.0	2.32e-04
2289	276	-0.22	1.27	-0.60	-2.57e-04	0.0	1.94e-04
2289	298	-0.22	0.53	-0.53	-2.02e-04	0.0	1.89e-04
2289	305	-0.33	0.49	-0.51	-1.89e-04	0.0	1.77e-04
2289	307	-0.20	0.64	-0.51	-1.98e-04	0.0	1.77e-04
2289	310	-0.20	0.50	-0.51	-1.90e-04	0.0	1.75e-04
2290	44	-1.36	0.86	-0.86	-2.29e-04	0.0	1.93e-04
2290	52	-0.43	1.77	-0.99	-3.11e-04	0.0	2.31e-04
2290	68	-0.36	2.04	-0.88	-2.98e-04	0.0	1.92e-04
2290	116	-9.65	1.82	-0.47	-1.97e-04	0.0	-2.31e-04
2290	137	3.65	9.07	-0.66	-6.93e-04	0.0	1.00e-04
2290	139	-1.66	11.08	-0.64	-8.08e-04	0.0	-5.36e-05
2290	148	-10.82	1.95	-0.46	-2.03e-04	0.0	-2.74e-04
2290	169	4.14	10.20	-0.68	-7.66e-04	0.0	9.87e-05
2290	171	-1.83	12.45	-0.65	-8.95e-04	0.0	-7.38e-05
2290	180	-10.67	1.80	-0.46	-1.94e-04	0.0	-2.69e-04
2290	201	4.11	10.49	-0.68	-7.84e-04	0.0	1.07e-04
2290	203	-1.76	12.70	-0.66	-9.11e-04	0.0	-6.09e-05
2290	212	-12.43	1.92	-0.44	-1.97e-04	0.0	-3.37e-04
2290	233	4.85	12.39	-0.71	-9.06e-04	0.0	1.09e-04
2290	235	-2.00	14.97	-0.68	-1.06e-03	0.0	-8.75e-05
2290	264	-0.92	0.60	-0.60	-1.60e-04	0.0	1.33e-04
2290	268	-0.30	1.21	-0.69	-2.14e-04	0.0	1.58e-04
2290	276	-0.25	1.39	-0.62	-2.06e-04	0.0	1.32e-04
2290	298	-0.25	0.62	-0.55	-1.52e-04	0.0	1.28e-04
2290	305	-0.37	0.57	-0.53	-1.42e-04	0.0	1.20e-04
2290	307	-0.24	0.73	-0.53	-1.52e-04	0.0	1.20e-04
2290	310	-0.24	0.58	-0.53	-1.43e-04	0.0	1.18e-04
2291	44	-1.59	1.11	-0.89	-2.00e-04	0.0	-1.97e-05
2291	52	-0.60	2.12	-1.02	-2.61e-04	0.0	-1.46e-05
2291	68	-0.51	2.39	-0.92	-2.61e-04	0.0	-2.06e-05
2291	116	-10.53	2.04	-0.56	-1.44e-04	0.0	-3.97e-04
2291	139	-1.86	12.13	-0.69	-6.36e-04	0.0	-1.96e-04
2291	148	-11.79	2.17	-0.56	-1.46e-04	0.0	-4.45e-04
2291	171	-2.04	13.62	-0.71	-7.04e-04	0.0	-2.18e-04
2291	180	-11.63	2.01	-0.56	-1.40e-04	0.0	-4.40e-04
2291	203	-1.97	13.90	-0.71	-7.17e-04	0.0	-2.06e-04
2291	212	-13.54	2.12	-0.56	-1.40e-04	0.0	-5.17e-04
2291	235	-2.23	16.36	-0.74	-8.29e-04	0.0	-2.36e-04

2291	264	-1.08	0.78	-0.63	-1.41e-04	0.0	-1.56e-05
2291	268	-0.41	1.45	-0.72	-1.81e-04	0.0	-1.22e-05
2291	276	-0.36	1.63	-0.65	-1.81e-04	0.0	-1.62e-05
2291	298	-0.35	0.78	-0.58	-1.23e-04	0.0	-7.85e-06
2291	305	-0.47	0.73	-0.55	-1.18e-04	0.0	-8.39e-06
2291	307	-0.33	0.90	-0.55	-1.26e-04	0.0	-8.52e-06
2291	310	-0.33	0.74	-0.55	-1.18e-04	0.0	-1.05e-05
2292	44	-1.51	1.04	-1.10	0.0	-1.47e-04	3.52e-05
2292	52	-0.54	2.02	-1.29	0.0	-1.07e-04	2.41e-05
2292	68	-0.46	2.29	-1.16	0.0	-9.22e-05	2.23e-05
2292	116	-10.25	1.85	-0.49	0.0	-5.62e-04	-4.15e-04
2292	139	-1.80	11.78	-0.86	0.0	-1.28e-04	1.00e-04
2292	141	3.79	10.83	-0.96	0.0	1.49e-04	2.00e-04
2292	148	-11.48	1.97	-0.46	0.0	-6.24e-04	-4.69e-04
2292	171	-1.97	13.22	-0.88	0.0	-1.36e-04	1.12e-04
2292	173	4.31	12.16	-0.99	0.0	1.75e-04	2.25e-04
2292	180	-11.33	1.82	-0.46	0.0	-6.16e-04	-4.68e-04
2292	203	-1.91	13.50	-0.89	0.0	-1.32e-04	1.16e-04
2292	205	4.27	12.45	-1.00	0.0	1.73e-04	2.27e-04
2292	212	-13.19	1.91	-0.42	0.0	-7.10e-04	-5.54e-04
2292	235	-2.16	15.89	-0.93	0.0	-1.43e-04	1.36e-04
2292	237	5.04	14.68	-1.06	0.0	2.12e-04	2.66e-04
2292	264	-1.03	0.73	-0.77	0.0	-1.01e-04	2.42e-05
2292	268	-0.38	1.38	-0.90	0.0	-7.44e-05	1.67e-05
2292	276	-0.32	1.56	-0.81	0.0	-6.48e-05	1.55e-05
2292	298	-0.32	0.74	-0.72	0.0	-6.19e-05	1.22e-05
2292	305	-0.44	0.69	-0.68	0.0	-6.58e-05	1.36e-05
2292	307	-0.30	0.85	-0.69	0.0	-5.85e-05	1.19e-05
2292	310	-0.30	0.70	-0.69	0.0	-5.90e-05	1.15e-05
2293	44	-1.59	1.09	-1.12	0.0	-1.41e-04	3.58e-05
2293	52	-0.60	2.10	-1.31	0.0	-1.01e-04	2.51e-05
2293	68	-0.51	2.37	-1.18	0.0	-8.70e-05	2.32e-05
2293	116	-10.53	1.90	-0.50	0.0	-5.40e-04	-4.12e-04
2293	139	-1.86	12.10	-0.87	0.0	-1.21e-04	1.08e-04
2293	141	3.86	11.13	-0.97	0.0	1.45e-04	2.06e-04
2293	148	-11.79	2.02	-0.47	0.0	-6.00e-04	-4.65e-04
2293	171	-2.04	13.58	-0.90	0.0	-1.28e-04	1.21e-04
2293	173	4.39	12.50	-1.01	0.0	1.70e-04	2.31e-04
2293	180	-11.63	1.86	-0.47	0.0	-5.92e-04	-4.65e-04
2293	203	-1.97	13.86	-0.90	0.0	-1.25e-04	1.25e-04
2293	205	4.36	12.80	-1.01	0.0	1.69e-04	2.33e-04
2293	212	-13.54	1.95	-0.43	0.0	-6.83e-04	-5.51e-04
2293	235	-2.23	16.33	-0.94	0.0	-1.35e-04	1.47e-04
2293	237	5.15	15.08	-1.07	0.0	2.07e-04	2.74e-04
2293	264	-1.08	0.76	-0.78	0.0	-9.73e-05	2.46e-05
2293	268	-0.41	1.43	-0.91	0.0	-7.05e-05	1.75e-05
2293	276	-0.36	1.62	-0.82	0.0	-6.11e-05	1.62e-05
2293	298	-0.35	0.77	-0.73	0.0	-5.90e-05	1.27e-05
2293	305	-0.47	0.72	-0.69	0.0	-6.30e-05	1.41e-05
2293	307	-0.33	0.89	-0.70	0.0	-5.57e-05	1.24e-05
2293	310	-0.33	0.73	-0.70	0.0	-5.62e-05	1.19e-05
2294	28	-1.31	1.44	-0.82	-2.78e-04	0.0	3.94e-05
2294	44	-1.65	1.20	-0.76	-2.37e-04	0.0	3.50e-05
2294	68	-0.55	2.51	-0.70	-3.04e-04	0.0	2.98e-05
2294	116	-10.79	2.48	-1.16	-1.54e-04	0.0	-3.64e-04
2294	139	-1.92	12.32	-0.72	-4.23e-04	0.0	9.87e-05
2294	148	-12.07	2.66	-1.25	-1.54e-04	0.0	-4.12e-04
2294	171	-2.10	13.83	-0.75	-4.59e-04	0.0	1.10e-04
2294	180	-11.92	2.49	-1.24	-1.50e-04	0.0	-4.11e-04
2294	203	-2.03	14.09	-0.75	-4.65e-04	0.0	1.11e-04
2294	212	-13.87	2.67	-1.37	-1.47e-04	0.0	-4.88e-04
2294	235	-2.29	16.58	-0.80	-5.25e-04	0.0	1.29e-04
2294	256	-0.89	1.00	-0.57	-1.92e-04	0.0	2.63e-05
2294	264	-1.12	0.84	-0.53	-1.65e-04	0.0	2.34e-05
2294	276	-0.38	1.72	-0.49	-2.10e-04	0.0	1.99e-05
2294	298	-0.38	0.84	-0.45	-1.56e-04	0.0	1.86e-05
2294	305	-0.50	0.78	-0.44	-1.47e-04	0.0	1.83e-05
2294	307	-0.35	0.95	-0.43	-1.56e-04	0.0	1.76e-05
2294	310	-0.36	0.79	-0.43	-1.47e-04	0.0	1.62e-05
2295	44	-1.46	1.26	-0.78	0.0	-1.33e-04	3.13e-05
2295	68	-0.42	2.57	-0.75	0.0	-7.54e-05	2.24e-05
2295	76	-0.55	1.19	-0.87	0.0	-9.57e-05	1.87e-05
2295	116	-12.50	2.00	-0.54	0.0	-4.53e-04	-3.29e-04
2295	139	-1.45	12.47	-0.37	0.0	-3.81e-05	1.45e-04
2295	140	-5.77	-8.68	-0.61	0.0	-2.71e-04	-2.56e-04

2295	148	-14.01	2.12	-0.55	0.0	-5.03e-04	-3.72e-04
2295	171	-1.58	13.99	-0.35	0.0	-3.56e-05	1.63e-04
2295	172	-6.46	-9.94	-0.63	0.0	-3.00e-04	-2.91e-04
2295	180	-13.88	1.96	-0.55	0.0	-5.00e-04	-3.73e-04
2295	203	-1.47	14.28	-0.35	0.0	-2.99e-05	1.67e-04
2295	204	-6.46	-10.27	-0.63	0.0	-3.02e-04	-2.93e-04
2295	212	-16.21	2.05	-0.56	0.0	-5.79e-04	-4.44e-04
2295	235	-1.62	16.80	-0.32	0.0	-2.32e-05	1.97e-04
2295	236	-7.55	-12.39	-0.66	0.0	-3.48e-04	-3.49e-04
2295	264	-0.99	0.88	-0.55	0.0	-9.12e-05	2.15e-05
2295	276	-0.29	1.75	-0.53	0.0	-5.30e-05	1.55e-05
2295	280	-0.38	0.83	-0.61	0.0	-6.66e-05	1.31e-05
2295	298	-0.31	0.87	-0.50	0.0	-5.31e-05	1.13e-05
2295	305	-0.42	0.81	-0.48	0.0	-5.74e-05	1.24e-05
2295	307	-0.28	0.98	-0.48	0.0	-4.97e-05	1.12e-05
2295	310	-0.29	0.82	-0.48	0.0	-5.07e-05	1.05e-05
2296	28	-1.31	1.46	-0.79	-2.67e-04	0.0	3.42e-05
2296	44	-1.65	1.22	-0.73	-2.31e-04	0.0	3.00e-05
2296	68	-0.55	2.53	-0.69	-2.96e-04	0.0	2.49e-05
2296	115	-9.53	6.89	-0.90	-3.25e-04	0.0	-1.34e-04
2296	116	-10.79	2.36	-0.86	-1.50e-04	0.0	-3.67e-04
2296	139	-1.92	12.37	-0.62	-4.72e-04	0.0	9.41e-05
2296	147	-10.65	7.65	-0.96	-3.49e-04	0.0	-1.51e-04
2296	148	-12.08	2.53	-0.91	-1.50e-04	0.0	-4.15e-04
2296	171	-2.10	13.88	-0.64	-5.15e-04	0.0	1.05e-04
2296	179	-10.47	7.65	-0.95	-3.52e-04	0.0	-1.42e-04
2296	180	-11.92	2.36	-0.90	-1.46e-04	0.0	-4.14e-04
2296	203	-2.03	14.15	-0.64	-5.23e-04	0.0	1.06e-04
2296	211	-12.14	8.89	-1.04	-3.92e-04	0.0	-1.65e-04
2296	212	-13.87	2.51	-0.98	-1.44e-04	0.0	-4.91e-04
2296	235	-2.29	16.64	-0.68	-5.95e-04	0.0	1.23e-04
2296	256	-0.89	1.02	-0.56	-1.85e-04	0.0	2.26e-05
2296	264	-1.12	0.85	-0.51	-1.61e-04	0.0	1.99e-05
2296	276	-0.38	1.73	-0.49	-2.05e-04	0.0	1.64e-05
2296	298	-0.38	0.85	-0.44	-1.49e-04	0.0	1.58e-05
2296	305	-0.50	0.79	-0.43	-1.41e-04	0.0	1.56e-05
2296	307	-0.35	0.96	-0.42	-1.49e-04	0.0	1.49e-05
2296	310	-0.36	0.80	-0.42	-1.41e-04	0.0	1.35e-05
2297	44	-1.44	0.95	-0.87	-1.86e-04	0.0	1.04e-04
2297	52	-0.49	1.90	-1.01	-2.55e-04	0.0	1.28e-04
2297	68	-0.41	2.17	-0.90	-2.52e-04	0.0	1.05e-04
2297	116	-9.97	1.91	-0.47	-1.58e-04	0.0	-3.08e-04
2297	137	3.74	9.41	-0.67	-6.24e-04	0.0	4.55e-05
2297	139	-1.73	11.48	-0.65	-7.28e-04	0.0	-1.23e-04
2297	148	-11.17	2.04	-0.47	-1.62e-04	0.0	-3.54e-04
2297	169	4.24	10.57	-0.69	-6.91e-04	0.0	4.40e-05
2297	171	-1.90	12.89	-0.67	-8.08e-04	0.0	-1.45e-04
2297	180	-11.02	1.88	-0.46	-1.55e-04	0.0	-3.47e-04
2297	201	4.21	10.88	-0.70	-7.07e-04	0.0	5.36e-05
2297	203	-1.84	13.15	-0.67	-8.23e-04	0.0	-1.30e-04
2297	212	-12.83	2.00	-0.45	-1.56e-04	0.0	-4.19e-04
2297	233	4.98	12.84	-0.73	-8.20e-04	0.0	5.57e-05
2297	235	-2.08	15.50	-0.70	-9.56e-04	0.0	-1.59e-04
2297	264	-0.97	0.67	-0.61	-1.30e-04	0.0	7.08e-05
2297	268	-0.34	1.30	-0.70	-1.76e-04	0.0	8.67e-05
2297	276	-0.29	1.48	-0.63	-1.74e-04	0.0	7.15e-05
2297	298	-0.29	0.68	-0.56	-1.21e-04	0.0	6.95e-05
2297	305	-0.41	0.63	-0.54	-1.14e-04	0.0	6.50e-05
2297	307	-0.27	0.79	-0.54	-1.23e-04	0.0	6.52e-05
2297	310	-0.27	0.64	-0.54	-1.15e-04	0.0	6.29e-05
2298	44	-1.27	0.97	-1.04	0.0	-1.57e-04	2.95e-05
2298	52	-0.36	1.88	-1.23	0.0	-1.15e-04	1.70e-05
2298	68	-0.31	2.11	-1.10	0.0	-1.01e-04	1.55e-05
2298	116	-9.32	1.75	-0.44	0.0	-6.28e-04	-3.46e-04
2298	139	-1.58	10.80	-0.80	0.0	-1.46e-04	8.45e-05
2298	141	3.55	9.92	-0.91	0.0	1.65e-04	1.54e-04
2298	148	-10.45	1.87	-0.42	0.0	-6.97e-04	-3.91e-04
2298	171	-1.74	12.12	-0.83	0.0	-1.56e-04	9.48e-05
2298	173	4.02	11.13	-0.94	0.0	1.94e-04	1.72e-04
2298	180	-10.31	1.73	-0.41	0.0	-6.88e-04	-3.90e-04
2298	203	-1.68	12.37	-0.83	0.0	-1.52e-04	9.73e-05
2298	205	3.99	11.40	-0.95	0.0	1.92e-04	1.74e-04
2298	212	-12.02	1.82	-0.37	0.0	-7.94e-04	-4.62e-04
2298	235	-1.91	14.56	-0.87	0.0	-1.66e-04	1.15e-04
2298	237	4.70	13.44	-1.00	0.0	2.35e-04	2.05e-04

2298	264	-0.86	0.67	-0.73	0.0	-1.08e-04	2.01e-05
2298	268	-0.25	1.28	-0.86	0.0	-8.06e-05	1.18e-05
2298	276	-0.22	1.43	-0.77	0.0	-7.10e-05	1.08e-05
2298	298	-0.22	0.69	-0.69	0.0	-6.60e-05	8.73e-06
2298	305	-0.33	0.64	-0.65	0.0	-7.01e-05	1.04e-05
2298	307	-0.20	0.79	-0.66	0.0	-6.27e-05	8.49e-06
2298	310	-0.20	0.65	-0.66	0.0	-6.31e-05	8.22e-06
2299	28	-1.37	1.57	-0.82	-2.71e-04	0.0	4.10e-05
2299	44	-1.72	1.31	-0.76	-2.30e-04	0.0	4.20e-05
2299	68	-0.59	2.66	-0.70	-2.98e-04	0.0	3.37e-05
2299	116	-11.05	2.54	-1.16	-1.46e-04	0.0	-3.63e-04
2299	139	-1.97	12.48	-0.72	-3.85e-04	0.0	1.60e-04
2299	148	-12.36	2.72	-1.25	-1.45e-04	0.0	-4.11e-04
2299	171	-2.16	14.00	-0.75	-4.17e-04	0.0	1.80e-04
2299	180	-12.20	2.55	-1.23	-1.41e-04	0.0	-4.13e-04
2299	203	-2.09	14.27	-0.75	-4.23e-04	0.0	1.85e-04
2299	212	-14.19	2.72	-1.37	-1.38e-04	0.0	-4.92e-04
2299	235	-2.35	16.77	-0.80	-4.75e-04	0.0	2.17e-04
2299	256	-0.93	1.09	-0.57	-1.88e-04	0.0	2.82e-05
2299	264	-1.17	0.92	-0.53	-1.61e-04	0.0	2.88e-05
2299	276	-0.41	1.82	-0.49	-2.05e-04	0.0	2.33e-05
2299	298	-0.41	0.91	-0.45	-1.53e-04	0.0	1.75e-05
2299	305	-0.53	0.85	-0.44	-1.43e-04	0.0	1.84e-05
2299	307	-0.38	1.03	-0.43	-1.52e-04	0.0	1.73e-05
2299	310	-0.39	0.86	-0.43	-1.44e-04	0.0	1.62e-05
2300	28	-1.37	1.59	-0.80	-2.62e-04	0.0	3.33e-05
2300	44	-1.72	1.33	-0.73	-2.26e-04	0.0	3.43e-05
2300	68	-0.59	2.67	-0.69	-2.91e-04	0.0	2.64e-05
2300	115	-9.75	7.02	-0.90	-3.11e-04	0.0	-1.14e-04
2300	116	-11.04	2.42	-0.86	-1.43e-04	0.0	-3.67e-04
2300	139	-1.97	12.57	-0.62	-4.40e-04	0.0	1.57e-04
2300	147	-10.90	7.80	-0.96	-3.33e-04	0.0	-1.28e-04
2300	148	-12.36	2.59	-0.91	-1.43e-04	0.0	-4.15e-04
2300	171	-2.16	14.09	-0.64	-4.80e-04	0.0	1.76e-04
2300	179	-10.71	7.80	-0.95	-3.36e-04	0.0	-1.20e-04
2300	180	-12.20	2.42	-0.90	-1.39e-04	0.0	-4.16e-04
2300	203	-2.09	14.37	-0.64	-4.87e-04	0.0	1.81e-04
2300	211	-12.42	9.06	-1.04	-3.73e-04	0.0	-1.39e-04
2300	212	-14.19	2.57	-0.98	-1.36e-04	0.0	-4.95e-04
2300	235	-2.35	16.89	-0.68	-5.53e-04	0.0	2.14e-04
2300	256	-0.93	1.10	-0.56	-1.82e-04	0.0	2.27e-05
2300	264	-1.17	0.93	-0.51	-1.58e-04	0.0	2.33e-05
2300	276	-0.41	1.83	-0.49	-2.01e-04	0.0	1.81e-05
2300	298	-0.40	0.92	-0.44	-1.46e-04	0.0	1.36e-05
2300	305	-0.53	0.85	-0.43	-1.38e-04	0.0	1.45e-05
2300	307	-0.38	1.03	-0.42	-1.47e-04	0.0	1.35e-05
2300	310	-0.38	0.87	-0.42	-1.39e-04	0.0	1.23e-05
2301	28	-1.31	1.48	-0.86	-2.56e-04	0.0	4.93e-06
2301	44	-1.65	1.23	-0.77	-2.26e-04	0.0	2.53e-06
2301	68	-0.55	2.54	-0.76	-2.89e-04	0.0	-2.29e-06
2301	116	-10.79	2.24	-0.67	-1.49e-04	0.0	-3.84e-04
2301	119	-9.74	7.69	-0.71	-3.59e-04	0.0	-2.22e-04
2301	139	-1.92	12.41	-0.60	-5.38e-04	0.0	7.23e-05
2301	148	-12.08	2.39	-0.70	-1.49e-04	0.0	-4.32e-04
2301	151	-10.90	8.57	-0.74	-3.88e-04	0.0	-2.49e-04
2301	171	-2.10	13.92	-0.62	-5.91e-04	0.0	8.20e-05
2301	180	-11.92	2.22	-0.69	-1.45e-04	0.0	-4.30e-04
2301	183	-10.72	8.58	-0.74	-3.90e-04	0.0	-2.44e-04
2301	203	-2.03	14.20	-0.62	-6.01e-04	0.0	8.26e-05
2301	212	-13.87	2.36	-0.73	-1.43e-04	0.0	-5.08e-04
2301	215	-12.44	9.95	-0.78	-4.36e-04	0.0	-2.85e-04
2301	235	-2.29	16.71	-0.65	-6.88e-04	0.0	9.82e-05
2301	256	-0.89	1.03	-0.60	-1.79e-04	0.0	2.05e-06
2301	264	-1.12	0.86	-0.54	-1.59e-04	0.0	0.0
2301	276	-0.38	1.73	-0.54	-2.00e-04	0.0	-2.76e-06
2301	298	-0.38	0.85	-0.48	-1.41e-04	0.0	0.0
2301	305	-0.50	0.79	-0.47	-1.35e-04	0.0	0.0
2301	307	-0.35	0.97	-0.47	-1.43e-04	0.0	0.0
2301	310	-0.36	0.81	-0.46	-1.35e-04	0.0	-1.47e-06
2302	28	-1.37	1.61	-0.86	-2.58e-04	0.0	2.38e-05
2302	44	-1.72	1.34	-0.77	-2.29e-04	0.0	2.53e-05
2302	68	-0.59	2.69	-0.77	-2.91e-04	0.0	1.75e-05
2302	116	-11.04	2.31	-0.67	-1.46e-04	0.0	-3.72e-04
2302	119	-9.97	7.86	-0.71	-3.47e-04	0.0	-1.79e-04
2302	139	-1.97	12.65	-0.60	-5.17e-04	0.0	1.52e-04

2302	148	-12.36	2.46	-0.70	-1.46e-04	0.0	-4.20e-04
2302	151	-11.15	8.74	-0.74	-3.74e-04	0.0	-2.02e-04
2302	171	-2.16	14.19	-0.62	-5.67e-04	0.0	1.71e-04
2302	180	-12.20	2.29	-0.70	-1.42e-04	0.0	-4.21e-04
2302	183	-10.97	8.75	-0.74	-3.77e-04	0.0	-1.97e-04
2302	203	-2.09	14.47	-0.62	-5.76e-04	0.0	1.76e-04
2302	212	-14.19	2.42	-0.73	-1.40e-04	0.0	-5.00e-04
2302	215	-12.73	10.15	-0.78	-4.20e-04	0.0	-2.32e-04
2302	235	-2.35	17.01	-0.65	-6.59e-04	0.0	2.09e-04
2302	256	-0.93	1.12	-0.60	-1.80e-04	0.0	1.60e-05
2302	264	-1.17	0.94	-0.54	-1.60e-04	0.0	1.70e-05
2302	276	-0.41	1.84	-0.54	-2.02e-04	0.0	1.18e-05
2302	298	-0.40	0.93	-0.48	-1.42e-04	0.0	8.60e-06
2302	305	-0.53	0.86	-0.47	-1.36e-04	0.0	9.64e-06
2302	307	-0.38	1.04	-0.47	-1.44e-04	0.0	8.60e-06
2302	310	-0.38	0.88	-0.46	-1.36e-04	0.0	7.48e-06
2303	44	-1.65	1.22	-0.90	-2.32e-04	0.0	-6.67e-05
2303	52	-0.64	2.26	-1.03	-2.93e-04	0.0	-7.05e-05
2303	68	-0.55	2.53	-0.92	-2.92e-04	0.0	-7.10e-05
2303	116	-10.79	2.11	-0.56	-1.54e-04	0.0	-4.25e-04
2303	139	-1.92	12.43	-0.69	-6.15e-04	0.0	2.42e-05
2303	148	-12.08	2.25	-0.57	-1.55e-04	0.0	-4.73e-04
2303	171	-2.10	13.95	-0.71	-6.78e-04	0.0	3.25e-05
2303	180	-11.92	2.08	-0.56	-1.50e-04	0.0	-4.71e-04
2303	203	-2.03	14.24	-0.72	-6.90e-04	0.0	3.20e-05
2303	212	-13.87	2.19	-0.56	-1.49e-04	0.0	-5.49e-04
2303	235	-2.29	16.75	-0.75	-7.94e-04	0.0	4.48e-05
2303	264	-1.12	0.85	-0.63	-1.63e-04	0.0	-4.84e-05
2303	268	-0.45	1.55	-0.72	-2.04e-04	0.0	-5.10e-05
2303	276	-0.39	1.73	-0.65	-2.03e-04	0.0	-5.13e-05
2303	298	-0.38	0.85	-0.58	-1.40e-04	0.0	-3.74e-05
2303	305	-0.50	0.79	-0.55	-1.34e-04	0.0	-3.65e-05
2303	307	-0.36	0.97	-0.56	-1.42e-04	0.0	-3.70e-05
2303	310	-0.36	0.80	-0.55	-1.35e-04	0.0	-3.86e-05
2304	44	-1.72	1.36	-0.90	-2.57e-04	0.0	1.63e-05
2304	52	-0.69	2.43	-1.03	-3.18e-04	0.0	9.51e-06
2304	68	-0.58	2.70	-0.93	-3.16e-04	0.0	8.37e-06
2304	116	-11.04	2.20	-0.56	-1.65e-04	0.0	-3.76e-04
2304	139	-1.97	12.74	-0.70	-6.17e-04	0.0	1.53e-04
2304	148	-12.35	2.33	-0.57	-1.67e-04	0.0	-4.24e-04
2304	171	-2.16	14.28	-0.71	-6.78e-04	0.0	1.73e-04
2304	180	-12.20	2.16	-0.56	-1.61e-04	0.0	-4.26e-04
2304	203	-2.09	14.57	-0.72	-6.90e-04	0.0	1.78e-04
2304	212	-14.19	2.28	-0.56	-1.60e-04	0.0	-5.05e-04
2304	235	-2.35	17.14	-0.75	-7.92e-04	0.0	2.12e-04
2304	264	-1.16	0.95	-0.63	-1.81e-04	0.0	1.06e-05
2304	268	-0.48	1.66	-0.72	-2.22e-04	0.0	6.10e-06
2304	276	-0.41	1.85	-0.65	-2.20e-04	0.0	5.34e-06
2304	298	-0.40	0.93	-0.58	-1.53e-04	0.0	3.58e-06
2304	305	-0.53	0.87	-0.55	-1.47e-04	0.0	4.76e-06
2304	307	-0.38	1.05	-0.56	-1.55e-04	0.0	3.70e-06
2304	310	-0.38	0.88	-0.55	-1.48e-04	0.0	2.59e-06
2305	44	-1.36	0.96	-1.07	0.0	-1.55e-04	3.20e-05
2305	52	-0.43	1.89	-1.26	0.0	-1.14e-04	2.00e-05
2305	68	-0.36	2.14	-1.13	0.0	-9.94e-05	1.83e-05
2305	116	-9.65	1.77	-0.46	0.0	-6.08e-04	-3.82e-04
2305	139	-1.66	11.11	-0.83	0.0	-1.42e-04	8.83e-05
2305	141	3.64	10.21	-0.93	0.0	1.59e-04	1.80e-04
2305	148	-10.82	1.89	-0.43	0.0	-6.76e-04	-4.31e-04
2305	171	-1.83	12.48	-0.85	0.0	-1.51e-04	9.89e-05
2305	173	4.12	11.47	-0.96	0.0	1.87e-04	2.02e-04
2305	180	-10.68	1.74	-0.43	0.0	-6.67e-04	-4.30e-04
2305	203	-1.76	12.74	-0.85	0.0	-1.47e-04	1.02e-04
2305	205	4.09	11.74	-0.97	0.0	1.85e-04	2.03e-04
2305	212	-12.43	1.83	-0.39	0.0	-7.69e-04	-5.10e-04
2305	235	-2.00	15.00	-0.89	0.0	-1.60e-04	1.20e-04
2305	237	4.82	13.84	-1.02	0.0	2.27e-04	2.38e-04
2305	264	-0.92	0.67	-0.75	0.0	-1.07e-04	2.19e-05
2305	268	-0.30	1.29	-0.88	0.0	-7.95e-05	1.39e-05
2305	276	-0.25	1.46	-0.79	0.0	-6.98e-05	1.28e-05
2305	298	-0.25	0.69	-0.70	0.0	-6.54e-05	1.02e-05
2305	305	-0.37	0.64	-0.67	0.0	-6.94e-05	1.17e-05
2305	307	-0.24	0.79	-0.67	0.0	-6.21e-05	9.92e-06
2305	310	-0.24	0.65	-0.67	0.0	-6.25e-05	9.59e-06
2306	44	-1.44	0.99	-1.08	0.0	-1.51e-04	3.40e-05

2306	52	-0.49	1.95	-1.28	0.0	-1.11e-04	2.24e-05
2306	68	-0.41	2.21	-1.14	0.0	-9.64e-05	2.07e-05
2306	116	-9.97	1.81	-0.47	0.0	-5.84e-04	-4.06e-04
2306	139	-1.73	11.45	-0.84	0.0	-1.35e-04	9.35e-05
2306	141	3.72	10.53	-0.94	0.0	1.53e-04	1.92e-04
2306	148	-11.17	1.92	-0.45	0.0	-6.49e-04	-4.58e-04
2306	171	-1.90	12.86	-0.86	0.0	-1.44e-04	1.05e-04
2306	173	4.22	11.82	-0.98	0.0	1.80e-04	2.15e-04
2306	180	-11.02	1.77	-0.45	0.0	-6.41e-04	-4.57e-04
2306	203	-1.84	13.12	-0.87	0.0	-1.40e-04	1.08e-04
2306	205	4.19	12.11	-0.98	0.0	1.78e-04	2.17e-04
2306	212	-12.83	1.86	-0.40	0.0	-7.39e-04	-5.42e-04
2306	235	-2.08	15.46	-0.91	0.0	-1.52e-04	1.27e-04
2306	237	4.94	14.27	-1.04	0.0	2.19e-04	2.54e-04
2306	264	-0.97	0.69	-0.76	0.0	-1.04e-04	2.33e-05
2306	268	-0.34	1.33	-0.89	0.0	-7.74e-05	1.56e-05
2306	276	-0.29	1.51	-0.80	0.0	-6.77e-05	1.44e-05
2306	298	-0.29	0.71	-0.71	0.0	-6.40e-05	1.14e-05
2306	305	-0.41	0.66	-0.67	0.0	-6.79e-05	1.29e-05
2306	307	-0.27	0.82	-0.68	0.0	-6.06e-05	1.11e-05
2306	310	-0.27	0.67	-0.68	0.0	-6.11e-05	1.07e-05
2307	44	-1.68	1.38	-1.00	-2.58e-04	-1.17e-04	3.56e-05
2307	52	-0.66	2.44	-1.15	-2.94e-04	-7.96e-05	2.57e-05
2307	68	-0.56	2.71	-1.03	-2.83e-04	-6.73e-05	2.38e-05
2307	116	-11.40	2.08	-0.53	-7.21e-05	-3.60e-04	-3.78e-04
2307	125	9.98	4.44	-0.73	-2.36e-04	2.59e-04	3.29e-05
2307	139	-1.89	12.82	-0.66	-2.58e-04	-7.00e-05	1.28e-04
2307	148	-12.77	2.21	-0.52	-6.29e-05	-3.99e-04	-4.27e-04
2307	157	11.27	4.90	-0.74	-2.48e-04	2.97e-04	3.59e-05
2307	171	-2.07	14.38	-0.66	-2.73e-04	-7.26e-05	1.44e-04
2307	180	-12.62	2.04	-0.52	-6.08e-05	-3.95e-04	-4.27e-04
2307	189	11.10	5.00	-0.74	-2.48e-04	2.92e-04	3.80e-05
2307	203	-1.99	14.67	-0.67	-2.76e-04	-6.92e-05	1.48e-04
2307	212	-14.69	2.13	-0.50	-4.47e-05	-4.55e-04	-5.07e-04
2307	221	12.97	5.78	-0.76	-2.66e-04	3.47e-04	4.40e-05
2307	235	-2.23	17.26	-0.67	-3.02e-04	-7.17e-05	1.74e-04
2307	264	-1.14	0.96	-0.70	-1.83e-04	-8.01e-05	2.45e-05
2307	268	-0.46	1.67	-0.80	-2.07e-04	-5.54e-05	1.78e-05
2307	276	-0.39	1.85	-0.72	-2.00e-04	-4.72e-05	1.66e-05
2307	298	-0.39	0.94	-0.65	-1.47e-04	-4.72e-05	1.29e-05
2307	305	-0.51	0.88	-0.62	-1.42e-04	-5.09e-05	1.42e-05
2307	307	-0.36	1.05	-0.63	-1.45e-04	-4.43e-05	1.26e-05
2307	310	-0.37	0.89	-0.63	-1.43e-04	-4.49e-05	1.20e-05
2308	44	-1.63	1.19	-1.02	0.0	-1.37e-04	3.97e-05
2308	52	-0.63	2.22	-1.19	0.0	-9.63e-05	2.95e-05
2308	68	-0.53	2.49	-1.06	0.0	-8.24e-05	2.74e-05
2308	116	-11.00	1.96	-0.50	0.0	-4.82e-04	-4.23e-04
2308	125	9.81	4.25	-0.81	0.0	3.52e-04	9.59e-05
2308	139	-1.89	12.44	-0.72	0.0	-1.03e-04	1.15e-04
2308	148	-12.31	2.09	-0.48	0.0	-5.35e-04	-4.78e-04
2308	157	11.07	4.70	-0.83	0.0	4.02e-04	1.06e-04
2308	171	-2.07	13.96	-0.73	0.0	-1.09e-04	1.28e-04
2308	180	-12.16	1.92	-0.48	0.0	-5.29e-04	-4.77e-04
2308	189	10.90	4.80	-0.83	0.0	3.95e-04	1.05e-04
2308	203	-1.99	14.25	-0.74	0.0	-1.05e-04	1.32e-04
2308	212	-14.15	2.01	-0.45	0.0	-6.09e-04	-5.66e-04
2308	221	12.74	5.56	-0.86	0.0	4.68e-04	1.22e-04
2308	235	-2.24	16.77	-0.76	0.0	-1.12e-04	1.56e-04
2308	264	-1.11	0.83	-0.71	0.0	-9.43e-05	2.73e-05
2308	268	-0.44	1.52	-0.83	0.0	-6.71e-05	2.05e-05
2308	276	-0.37	1.70	-0.74	0.0	-5.79e-05	1.91e-05
2308	298	-0.37	0.83	-0.67	0.0	-5.65e-05	1.49e-05
2308	305	-0.49	0.77	-0.64	0.0	-6.06e-05	1.63e-05
2308	307	-0.35	0.94	-0.64	0.0	-5.33e-05	1.46e-05
2308	310	-0.35	0.78	-0.64	0.0	-5.38e-05	1.41e-05
2309	44	-1.66	1.15	-1.14	0.0	-1.35e-04	3.59e-05
2309	52	-0.65	2.18	-1.34	0.0	-9.48e-05	2.57e-05
2309	68	-0.55	2.45	-1.20	0.0	-8.09e-05	2.38e-05
2309	116	-10.79	1.94	-0.51	0.0	-5.22e-04	-3.98e-04
2309	139	-1.92	12.42	-0.89	0.0	-1.14e-04	1.18e-04
2309	141	3.93	11.43	-0.99	0.0	1.43e-04	2.13e-04
2309	148	-12.08	2.06	-0.49	0.0	-5.79e-04	-4.50e-04
2309	171	-2.10	13.94	-0.92	0.0	-1.21e-04	1.32e-04
2309	173	4.47	12.83	-1.02	0.0	1.68e-04	2.39e-04
2309	180	-11.92	1.90	-0.49	0.0	-5.72e-04	-4.49e-04

2309	203	-2.03	14.23	-0.92	0.0	-1.17e-04	1.36e-04
2309	205	4.44	13.14	-1.03	0.0	1.67e-04	2.41e-04
2309	212	-13.87	1.99	-0.44	0.0	-6.60e-04	-5.33e-04
2309	235	-2.29	16.75	-0.97	0.0	-1.27e-04	1.61e-04
2309	237	5.25	15.48	-1.09	0.0	2.04e-04	2.83e-04
2309	264	-1.12	0.80	-0.80	0.0	-9.29e-05	2.47e-05
2309	268	-0.45	1.49	-0.93	0.0	-6.60e-05	1.79e-05
2309	276	-0.39	1.67	-0.84	0.0	-5.68e-05	1.66e-05
2309	298	-0.38	0.81	-0.74	0.0	-5.57e-05	1.29e-05
2309	305	-0.50	0.75	-0.71	0.0	-5.97e-05	1.43e-05
2309	307	-0.36	0.92	-0.72	0.0	-5.25e-05	1.27e-05
2309	310	-0.36	0.76	-0.71	0.0	-5.30e-05	1.21e-05
2310	44	-1.72	1.38	-1.18	-9.53e-04	-1.17e-04	3.59e-05
2310	52	-0.69	2.45	-1.38	-1.03e-03	-7.96e-05	2.62e-05
2310	68	-0.59	2.72	-1.24	-9.91e-04	-6.73e-05	2.42e-05
2310	116	-11.04	2.09	-0.54	-3.71e-04	-3.60e-04	-3.79e-04
2310	139	-1.97	12.83	-0.92	-7.85e-04	-7.00e-05	1.28e-04
2310	141	4.01	11.82	-1.01	-8.19e-04	1.01e-04	1.99e-04
2310	148	-12.35	2.21	-0.51	-3.52e-04	-3.99e-04	-4.28e-04
2310	171	-2.16	14.38	-0.94	-8.21e-04	-7.26e-05	1.44e-04
2310	173	4.56	13.25	-1.05	-8.59e-04	1.20e-04	2.23e-04
2310	180	-12.20	2.04	-0.51	-3.50e-04	-3.95e-04	-4.28e-04
2310	203	-2.09	14.68	-0.95	-8.28e-04	-6.92e-05	1.48e-04
2310	205	4.52	13.57	-1.06	-8.66e-04	1.20e-04	2.26e-04
2310	212	-14.18	2.13	-0.47	-3.18e-04	-4.55e-04	-5.09e-04
2310	235	-2.35	17.26	-0.99	-8.88e-04	-7.17e-05	1.74e-04
2310	237	5.35	15.97	-1.12	-9.33e-04	1.49e-04	2.66e-04
2310	264	-1.17	0.97	-0.83	-6.74e-04	-8.01e-05	2.46e-05
2310	268	-0.48	1.68	-0.96	-7.24e-04	-5.54e-05	1.81e-05
2310	276	-0.41	1.86	-0.87	-7.00e-04	-4.72e-05	1.68e-05
2310	298	-0.40	0.94	-0.77	-5.23e-04	-4.72e-05	1.31e-05
2310	305	-0.53	0.88	-0.73	-5.11e-04	-5.09e-05	1.44e-05
2310	307	-0.38	1.06	-0.74	-5.16e-04	-4.43e-05	1.29e-05
2310	310	-0.38	0.89	-0.73	-5.12e-04	-4.49e-05	1.23e-05
2311	44	-1.10	0.69	-0.58	0.0	-1.27e-04	4.01e-05
2311	68	-0.21	1.84	-0.54	0.0	-6.77e-05	2.29e-05
2311	76	-0.29	0.57	-0.66	0.0	-8.69e-05	2.27e-05
2311	116	-10.85	1.57	-0.46	0.0	-8.01e-04	2.68e-05
2311	139	-1.20	10.59	-0.18	0.0	-8.47e-05	1.79e-04
2311	140	-4.92	-7.75	-0.58	0.0	-4.13e-04	-9.41e-05
2311	148	-12.18	1.68	-0.47	0.0	-8.95e-04	2.72e-05
2311	171	-1.31	11.91	-0.16	0.0	-8.81e-05	2.01e-04
2311	172	-5.52	-8.84	-0.61	0.0	-4.60e-04	-1.08e-04
2311	180	-12.06	1.54	-0.48	0.0	-8.87e-04	1.84e-05
2311	203	-1.23	12.16	-0.15	0.0	-7.99e-05	2.00e-04
2311	204	-5.52	-9.13	-0.61	0.0	-4.61e-04	-1.11e-04
2311	212	-14.10	1.63	-0.50	0.0	-1.03e-03	1.60e-05
2311	235	-1.36	14.35	-0.11	0.0	-8.12e-05	2.34e-04
2311	236	-6.46	-10.97	-0.66	0.0	-5.35e-04	-1.34e-04
2311	264	-0.74	0.48	-0.41	0.0	-8.70e-05	2.74e-05
2311	276	-0.15	1.25	-0.38	0.0	-4.77e-05	1.59e-05
2311	280	-0.20	0.40	-0.46	0.0	-6.05e-05	1.58e-05
2311	298	-0.16	0.50	-0.38	0.0	-4.84e-05	1.31e-05
2311	305	-0.27	0.46	-0.37	0.0	-5.32e-05	1.50e-05
2311	307	-0.15	0.61	-0.36	0.0	-4.53e-05	1.27e-05
2311	310	-0.16	0.47	-0.37	0.0	-4.63e-05	1.24e-05
2312	44	-1.70	1.38	-1.03	-5.12e-04	-1.17e-04	3.52e-05
2312	52	-0.67	2.44	-1.20	-5.65e-04	-7.96e-05	2.54e-05
2312	68	-0.57	2.71	-1.07	-5.44e-04	-6.73e-05	2.35e-05
2312	116	-11.22	2.08	-0.50	-1.85e-04	-3.60e-04	-3.80e-04
2312	125	9.97	4.44	-0.81	-3.92e-04	2.59e-04	3.46e-05
2312	139	-1.93	12.82	-0.73	-4.62e-04	-7.00e-05	1.27e-04
2312	148	-12.56	2.21	-0.49	-1.73e-04	-3.99e-04	-4.30e-04
2312	157	11.25	4.90	-0.84	-4.07e-04	2.97e-04	3.78e-05
2312	171	-2.12	14.38	-0.74	-4.86e-04	-7.26e-05	1.42e-04
2312	180	-12.41	2.04	-0.49	-1.70e-04	-3.95e-04	-4.30e-04
2312	189	11.08	5.00	-0.83	-4.08e-04	2.92e-04	4.00e-05
2312	203	-2.04	14.68	-0.75	-4.91e-04	-6.92e-05	1.46e-04
2312	212	-14.44	2.13	-0.46	-1.48e-04	-4.55e-04	-5.11e-04
2312	221	12.95	5.78	-0.87	-4.31e-04	3.47e-04	4.63e-05
2312	235	-2.29	17.26	-0.77	-5.32e-04	-7.17e-05	1.73e-04
2312	264	-1.15	0.96	-0.72	-3.63e-04	-8.01e-05	2.41e-05
2312	268	-0.47	1.67	-0.84	-3.98e-04	-5.54e-05	1.76e-05
2312	276	-0.40	1.85	-0.75	-3.83e-04	-4.72e-05	1.63e-05
2312	298	-0.40	0.94	-0.68	-2.85e-04	-4.72e-05	1.27e-05

2312	305	-0.52	0.88	-0.64	-2.78e-04	-5.09e-05	1.41e-05
2312	307	-0.37	1.05	-0.65	-2.82e-04	-4.43e-05	1.25e-05
2312	310	-0.38	0.89	-0.65	-2.79e-04	-4.49e-05	1.19e-05
2313	44	-1.29	1.17	-1.41	0.0	-1.58e-04	2.89e-05
2313	52	-0.37	2.12	-1.66	0.0	-1.18e-04	1.67e-05
2313	68	-0.31	2.31	-1.49	0.0	-1.03e-04	1.50e-05
2313	124	-9.27	-1.55	-0.61	0.0	-6.03e-04	-3.79e-05
2313	139	-1.60	10.94	-1.23	0.0	-1.48e-04	8.97e-05
2313	141	3.51	10.06	-1.32	0.0	1.57e-04	1.43e-04
2313	156	-10.40	-1.85	-0.58	0.0	-6.70e-04	-4.44e-05
2313	171	-1.76	12.26	-1.28	0.0	-1.59e-04	1.01e-04
2313	173	3.98	11.27	-1.37	0.0	1.85e-04	1.61e-04
2313	188	-10.26	-1.94	-0.57	0.0	-6.61e-04	-4.87e-05
2313	203	-1.71	12.51	-1.29	0.0	-1.55e-04	1.03e-04
2313	205	3.94	11.54	-1.39	0.0	1.83e-04	1.62e-04
2313	220	-11.90	-2.49	-0.52	0.0	-7.58e-04	-6.26e-05
2313	235	-1.94	14.71	-1.37	0.0	-1.69e-04	1.21e-04
2313	237	4.64	13.58	-1.48	0.0	2.24e-04	1.91e-04
2313	264	-0.87	0.81	-0.99	0.0	-1.09e-04	1.97e-05
2313	268	-0.26	1.45	-1.16	0.0	-8.21e-05	1.16e-05
2313	276	-0.22	1.57	-1.04	0.0	-7.24e-05	1.05e-05
2313	298	-0.22	0.83	-0.91	0.0	-6.71e-05	8.65e-06
2313	305	-0.34	0.77	-0.87	0.0	-7.11e-05	1.02e-05
2313	307	-0.21	0.92	-0.88	0.0	-6.37e-05	8.38e-06
2313	310	-0.21	0.78	-0.87	0.0	-6.41e-05	8.11e-06
2314	44	-1.37	0.99	-1.47	0.0	-1.56e-04	3.04e-05
2314	52	-0.44	1.92	-1.73	0.0	-1.16e-04	1.87e-05
2314	68	-0.37	2.17	-1.56	0.0	-1.01e-04	1.70e-05
2314	124	-9.59	-1.74	-0.64	0.0	-5.85e-04	-4.12e-05
2314	139	-1.68	11.13	-1.28	0.0	-1.44e-04	9.63e-05
2314	141	3.59	10.23	-1.37	0.0	1.52e-04	1.54e-04
2314	156	-10.75	-2.06	-0.60	0.0	-6.50e-04	-4.81e-05
2314	171	-1.85	12.50	-1.33	0.0	-1.54e-04	1.08e-04
2314	173	4.07	11.48	-1.43	0.0	1.79e-04	1.72e-04
2314	188	-10.60	-2.14	-0.60	0.0	-6.41e-04	-5.27e-05
2314	203	-1.79	12.75	-1.34	0.0	-1.51e-04	1.11e-04
2314	205	4.04	11.76	-1.44	0.0	1.76e-04	1.74e-04
2314	220	-12.30	-2.71	-0.55	0.0	-7.35e-04	-6.76e-05
2314	235	-2.03	15.02	-1.42	0.0	-1.64e-04	1.30e-04
2314	237	4.75	13.86	-1.54	0.0	2.17e-04	2.05e-04
2314	264	-0.93	0.69	-1.03	0.0	-1.08e-04	2.08e-05
2314	268	-0.30	1.31	-1.21	0.0	-8.07e-05	1.30e-05
2314	276	-0.26	1.47	-1.09	0.0	-7.09e-05	1.19e-05
2314	298	-0.26	0.71	-0.95	0.0	-6.62e-05	9.66e-06
2314	305	-0.37	0.65	-0.90	0.0	-7.02e-05	1.12e-05
2314	307	-0.24	0.81	-0.91	0.0	-6.28e-05	9.39e-06
2314	310	-0.24	0.66	-0.91	0.0	-6.32e-05	9.06e-06
2315	44	-1.45	1.00	-1.51	0.0	-1.52e-04	3.13e-05
2315	52	-0.50	1.96	-1.78	0.0	-1.12e-04	1.99e-05
2315	68	-0.42	2.22	-1.60	0.0	-9.74e-05	1.82e-05
2315	124	-9.89	-1.81	-0.66	0.0	-5.64e-04	-4.45e-05
2315	139	-1.75	11.46	-1.31	0.0	-1.39e-04	1.03e-04
2315	141	3.67	10.53	-1.40	0.0	1.47e-04	1.63e-04
2315	156	-11.09	-2.14	-0.62	0.0	-6.26e-04	-5.20e-05
2315	171	-1.93	12.86	-1.36	0.0	-1.48e-04	1.15e-04
2315	173	4.16	11.82	-1.46	0.0	1.73e-04	1.83e-04
2315	188	-10.94	-2.23	-0.62	0.0	-6.17e-04	-5.68e-05
2315	203	-1.87	13.13	-1.38	0.0	-1.44e-04	1.18e-04
2315	205	4.13	12.11	-1.47	0.0	1.71e-04	1.85e-04
2315	220	-12.68	-2.81	-0.57	0.0	-7.08e-04	-7.27e-05
2315	235	-2.12	15.46	-1.46	0.0	-1.57e-04	1.39e-04
2315	237	4.87	14.27	-1.58	0.0	2.10e-04	2.18e-04
2315	264	-0.98	0.70	-1.06	0.0	-1.05e-04	2.14e-05
2315	268	-0.35	1.33	-1.24	0.0	-7.81e-05	1.38e-05
2315	276	-0.30	1.51	-1.12	0.0	-6.84e-05	1.27e-05
2315	298	-0.29	0.71	-0.98	0.0	-6.44e-05	1.01e-05
2315	305	-0.41	0.66	-0.93	0.0	-6.83e-05	1.16e-05
2315	307	-0.27	0.82	-0.94	0.0	-6.11e-05	9.90e-06
2315	310	-0.28	0.67	-0.93	0.0	-6.15e-05	9.52e-06
2316	44	-1.30	1.34	-2.07	0.0	-1.60e-04	2.87e-05
2316	52	-0.38	2.33	-2.48	0.0	-1.19e-04	1.65e-05
2316	68	-0.32	2.48	-2.19	0.0	-1.05e-04	1.49e-05
2316	124	-9.28	-1.44	-0.95	0.0	-6.06e-04	-3.37e-05
2316	137	3.41	9.15	-2.07	0.0	1.52e-04	2.26e-04
2316	139	-1.61	11.06	-1.97	0.0	-1.51e-04	9.02e-05

2316	156	-10.40	-1.74	-0.91	0.0	-6.73e-04	-3.96e-05
2316	169	3.86	10.24	-2.17	0.0	1.79e-04	2.54e-04
2316	171	-1.78	12.39	-2.06	0.0	-1.61e-04	1.01e-04
2316	188	-10.25	-1.83	-0.90	0.0	-6.63e-04	-4.40e-05
2316	201	3.82	10.53	-2.19	0.0	1.76e-04	2.54e-04
2316	203	-1.73	12.64	-2.08	0.0	-1.58e-04	1.04e-04
2316	220	-11.90	-2.38	-0.83	0.0	-7.61e-04	-5.71e-05
2316	233	4.51	12.37	-2.37	0.0	2.17e-04	2.98e-04
2316	235	-1.97	14.84	-2.23	0.0	-1.73e-04	1.22e-04
2316	264	-0.88	0.93	-1.45	0.0	-1.10e-04	1.96e-05
2316	268	-0.27	1.59	-1.72	0.0	-8.33e-05	1.15e-05
2316	276	-0.23	1.69	-1.53	0.0	-7.35e-05	1.04e-05
2316	298	-0.22	0.95	-1.36	0.0	-6.80e-05	8.59e-06
2316	305	-0.34	0.88	-1.28	0.0	-7.20e-05	1.02e-05
2316	307	-0.21	1.03	-1.30	0.0	-6.46e-05	8.32e-06
2316	310	-0.21	0.89	-1.29	0.0	-6.49e-05	8.05e-06
2317	44	-1.52	1.37	-0.81	0.0	-1.32e-04	3.61e-05
2317	68	-0.45	2.71	-0.78	0.0	-7.55e-05	2.52e-05
2317	76	-0.59	1.31	-0.90	0.0	-9.58e-05	2.17e-05
2317	116	-12.69	2.08	-0.56	0.0	-4.28e-04	-3.53e-04
2317	139	-1.47	12.81	-0.38	0.0	-3.39e-05	1.45e-04
2317	140	-5.89	-8.84	-0.63	0.0	-2.61e-04	-2.67e-04
2317	148	-14.23	2.20	-0.56	0.0	-4.75e-04	-3.99e-04
2317	171	-1.59	14.37	-0.37	0.0	-3.08e-05	1.62e-04
2317	172	-6.59	-10.13	-0.64	0.0	-2.88e-04	-3.02e-04
2317	180	-14.10	2.04	-0.56	0.0	-4.72e-04	-3.99e-04
2317	203	-1.49	14.66	-0.36	0.0	-2.54e-05	1.67e-04
2317	204	-6.60	-10.47	-0.65	0.0	-2.91e-04	-3.05e-04
2317	212	-16.46	2.13	-0.58	0.0	-5.46e-04	-4.75e-04
2317	235	-1.63	17.25	-0.34	0.0	-1.80e-05	1.97e-04
2317	236	-7.70	-12.64	-0.68	0.0	-3.35e-04	-3.63e-04
2317	264	-1.03	0.96	-0.57	0.0	-9.11e-05	2.48e-05
2317	276	-0.32	1.85	-0.55	0.0	-5.31e-05	1.75e-05
2317	280	-0.41	0.92	-0.63	0.0	-6.66e-05	1.51e-05
2317	301	-0.33	0.92	-0.52	0.0	-5.28e-05	1.25e-05
2317	305	-0.45	0.87	-0.50	0.0	-5.74e-05	1.44e-05
2317	307	-0.31	1.05	-0.49	0.0	-4.98e-05	1.29e-05
2317	310	-0.32	0.89	-0.50	0.0	-5.08e-05	1.22e-05
2318	44	-1.48	1.26	-0.89	0.0	-1.35e-04	3.68e-05
2318	68	-0.43	2.57	-0.87	0.0	-7.73e-05	2.50e-05
2318	76	-0.56	1.19	-1.00	0.0	-9.72e-05	2.22e-05
2318	116	-12.34	2.00	-0.58	0.0	-4.02e-04	-3.18e-04
2318	139	-1.52	12.47	-0.48	0.0	-3.82e-05	1.42e-04
2318	140	-5.65	-8.68	-0.62	0.0	-2.46e-04	-2.46e-04
2318	148	-13.84	2.12	-0.59	0.0	-4.46e-04	-3.60e-04
2318	171	-1.66	13.99	-0.48	0.0	-3.56e-05	1.59e-04
2318	172	-6.33	-9.94	-0.63	0.0	-2.70e-04	-2.79e-04
2318	180	-13.70	1.96	-0.59	0.0	-4.43e-04	-3.60e-04
2318	203	-1.56	14.28	-0.47	0.0	-3.06e-05	1.63e-04
2318	204	-6.33	-10.27	-0.63	0.0	-2.73e-04	-2.81e-04
2318	212	-16.00	2.05	-0.59	0.0	-5.12e-04	-4.29e-04
2318	235	-1.72	16.80	-0.46	0.0	-2.42e-05	1.92e-04
2318	236	-7.38	-12.39	-0.65	0.0	-3.13e-04	-3.35e-04
2318	264	-1.00	0.88	-0.62	0.0	-9.28e-05	2.52e-05
2318	276	-0.30	1.75	-0.61	0.0	-5.44e-05	1.74e-05
2318	280	-0.39	0.83	-0.69	0.0	-6.77e-05	1.55e-05
2318	298	-0.31	0.87	-0.57	0.0	-5.41e-05	1.32e-05
2318	305	-0.43	0.81	-0.55	0.0	-5.84e-05	1.46e-05
2318	307	-0.29	0.98	-0.54	0.0	-5.07e-05	1.30e-05
2318	310	-0.30	0.82	-0.55	0.0	-5.17e-05	1.24e-05
2319	44	-1.55	1.37	-0.92	0.0	-1.36e-04	3.84e-05
2319	68	-0.47	2.71	-0.90	0.0	-7.78e-05	2.63e-05
2319	76	-0.61	1.31	-1.02	0.0	-9.79e-05	2.33e-05
2319	116	-12.51	2.08	-0.60	0.0	-3.77e-04	-3.53e-04
2319	139	-1.54	12.81	-0.50	0.0	-3.38e-05	1.43e-04
2319	140	-5.76	-8.85	-0.64	0.0	-2.36e-04	-2.64e-04
2319	148	-14.02	2.20	-0.60	0.0	-4.17e-04	-3.99e-04
2319	171	-1.67	14.37	-0.49	0.0	-3.07e-05	1.60e-04
2319	172	-6.45	-10.13	-0.65	0.0	-2.60e-04	-3.00e-04
2319	180	-13.89	2.04	-0.60	0.0	-4.15e-04	-4.00e-04
2319	203	-1.57	14.66	-0.49	0.0	-2.59e-05	1.65e-04
2319	204	-6.45	-10.47	-0.65	0.0	-2.62e-04	-3.02e-04
2319	212	-16.21	2.13	-0.61	0.0	-4.79e-04	-4.75e-04
2319	235	-1.73	17.25	-0.47	0.0	-1.87e-05	1.94e-04
2319	236	-7.52	-12.64	-0.66	0.0	-3.00e-04	-3.60e-04

2319	264	-1.05	0.96	-0.64	0.0	-9.33e-05	2.64e-05
2319	276	-0.33	1.85	-0.63	0.0	-5.47e-05	1.83e-05
2319	280	-0.42	0.92	-0.72	0.0	-6.81e-05	1.63e-05
2319	298	-0.34	0.94	-0.59	0.0	-5.44e-05	1.39e-05
2319	305	-0.46	0.87	-0.56	0.0	-5.87e-05	1.54e-05
2319	307	-0.32	1.05	-0.56	0.0	-5.10e-05	1.38e-05
2319	310	-0.32	0.89	-0.56	0.0	-5.20e-05	1.30e-05
2320	44	-1.39	1.01	-1.98	0.0	-1.57e-04	3.01e-05
2320	52	-0.45	1.94	-2.35	0.0	-1.17e-04	1.85e-05
2320	68	-0.38	2.19	-2.10	0.0	-1.02e-04	1.68e-05
2320	124	-9.59	-1.73	-0.88	0.0	-5.86e-04	-3.18e-05
2320	139	-1.69	11.14	-1.89	0.0	-1.47e-04	9.80e-05
2320	141	3.55	10.24	-1.99	0.0	1.49e-04	1.50e-04
2320	156	-10.76	-2.04	-0.84	0.0	-6.51e-04	-3.76e-05
2320	171	-1.87	12.51	-1.98	0.0	-1.57e-04	1.10e-04
2320	173	4.03	11.50	-2.09	0.0	1.75e-04	1.68e-04
2320	188	-10.60	-2.13	-0.84	0.0	-6.41e-04	-4.22e-05
2320	201	3.92	10.60	-2.11	0.0	1.72e-04	2.68e-04
2320	203	-1.81	12.77	-2.00	0.0	-1.54e-04	1.13e-04
2320	220	-12.30	-2.70	-0.77	0.0	-7.36e-04	-5.54e-05
2320	233	4.62	12.51	-2.28	0.0	2.12e-04	3.15e-04
2320	235	-2.06	15.03	-2.14	0.0	-1.68e-04	1.32e-04
2320	264	-0.94	0.70	-1.39	0.0	-1.08e-04	2.06e-05
2320	268	-0.31	1.33	-1.64	0.0	-8.15e-05	1.28e-05
2320	276	-0.27	1.49	-1.47	0.0	-7.17e-05	1.17e-05
2320	298	-0.26	0.72	-1.29	0.0	-6.67e-05	9.53e-06
2320	305	-0.38	0.66	-1.22	0.0	-7.06e-05	1.10e-05
2320	307	-0.25	0.82	-1.23	0.0	-6.33e-05	9.26e-06
2320	310	-0.25	0.67	-1.22	0.0	-6.37e-05	8.94e-06
2321	44	-1.47	1.00	-1.96	0.0	-1.52e-04	3.08e-05
2321	52	-0.51	1.96	-2.31	0.0	-1.13e-04	1.95e-05
2321	68	-0.43	2.22	-2.08	0.0	-9.81e-05	1.78e-05
2321	124	-9.90	-1.81	-0.86	0.0	-5.62e-04	-3.33e-05
2321	139	-1.77	11.46	-1.86	0.0	-1.41e-04	1.05e-04
2321	141	3.63	10.53	-1.96	0.0	1.43e-04	1.58e-04
2321	156	-11.09	-2.13	-0.82	0.0	-6.24e-04	-3.94e-05
2321	171	-1.95	12.87	-1.94	0.0	-1.50e-04	1.17e-04
2321	173	4.12	11.83	-2.06	0.0	1.69e-04	1.78e-04
2321	188	-10.94	-2.23	-0.81	0.0	-6.15e-04	-4.42e-05
2321	203	-1.89	13.13	-1.96	0.0	-1.47e-04	1.20e-04
2321	205	4.08	12.11	-2.08	0.0	1.66e-04	1.80e-04
2321	220	-12.68	-2.81	-0.74	0.0	-7.06e-04	-5.80e-05
2321	233	4.73	12.87	-2.24	0.0	2.06e-04	3.31e-04
2321	235	-2.15	15.47	-2.11	0.0	-1.61e-04	1.42e-04
2321	264	-0.99	0.70	-1.37	0.0	-1.05e-04	2.11e-05
2321	268	-0.35	1.34	-1.61	0.0	-7.85e-05	1.35e-05
2321	276	-0.30	1.51	-1.45	0.0	-6.88e-05	1.24e-05
2321	298	-0.30	0.71	-1.26	0.0	-6.47e-05	9.93e-06
2321	305	-0.42	0.66	-1.19	0.0	-6.86e-05	1.14e-05
2321	307	-0.28	0.82	-1.21	0.0	-6.13e-05	9.68e-06
2321	310	-0.28	0.67	-1.20	0.0	-6.17e-05	9.31e-06
2322	44	-1.53	1.04	-1.54	0.0	-1.47e-04	3.15e-05
2322	52	-0.55	2.02	-1.81	0.0	-1.07e-04	2.03e-05
2322	68	-0.47	2.29	-1.63	0.0	-9.29e-05	1.87e-05
2322	124	-10.17	-1.85	-0.67	0.0	-5.43e-04	-4.84e-05
2322	139	-1.82	11.78	-1.34	0.0	-1.32e-04	1.09e-04
2322	141	3.74	10.83	-1.42	0.0	1.43e-04	1.71e-04
2322	156	-11.40	-2.19	-0.64	0.0	-6.03e-04	-5.64e-05
2322	171	-2.00	13.22	-1.39	0.0	-1.41e-04	1.22e-04
2322	173	4.25	12.16	-1.49	0.0	1.68e-04	1.92e-04
2322	188	-11.24	-2.29	-0.63	0.0	-5.94e-04	-6.13e-05
2322	203	-1.94	13.50	-1.40	0.0	-1.37e-04	1.26e-04
2322	205	4.21	12.45	-1.50	0.0	1.66e-04	1.94e-04
2322	220	-13.03	-2.89	-0.58	0.0	-6.82e-04	-7.82e-05
2322	235	-2.19	15.90	-1.48	0.0	-1.49e-04	1.48e-04
2322	237	4.97	14.68	-1.60	0.0	2.04e-04	2.29e-04
2322	264	-1.04	0.73	-1.08	0.0	-1.01e-04	2.15e-05
2322	268	-0.38	1.38	-1.26	0.0	-7.48e-05	1.41e-05
2322	276	-0.33	1.56	-1.14	0.0	-6.52e-05	1.30e-05
2322	298	-0.32	0.74	-0.99	0.0	-6.21e-05	1.02e-05
2322	305	-0.45	0.69	-0.94	0.0	-6.60e-05	1.17e-05
2322	307	-0.30	0.85	-0.95	0.0	-5.88e-05	1.00e-05
2322	310	-0.31	0.70	-0.95	0.0	-5.92e-05	9.58e-06
2323	44	-1.60	1.08	-1.57	0.0	-1.42e-04	3.13e-05
2323	52	-0.61	2.09	-1.84	0.0	-1.02e-04	2.04e-05

2323	68	-0.52	2.36	-1.66	0.0	-8.79e-05	1.88e-05
2323	124	-10.43	-1.90	-0.68	0.0	-5.22e-04	-5.37e-05
2323	139	-1.88	12.09	-1.35	0.0	-1.26e-04	1.15e-04
2323	141	3.81	11.13	-1.44	0.0	1.40e-04	1.79e-04
2323	156	-11.69	-2.25	-0.65	0.0	-5.80e-04	-6.25e-05
2323	171	-2.07	13.58	-1.41	0.0	-1.34e-04	1.29e-04
2323	173	4.33	12.49	-1.51	0.0	1.64e-04	2.01e-04
2323	188	-11.53	-2.34	-0.65	0.0	-5.71e-04	-6.75e-05
2323	203	-2.01	13.86	-1.42	0.0	-1.31e-04	1.32e-04
2323	205	4.29	12.79	-1.52	0.0	1.62e-04	2.03e-04
2323	220	-13.36	-2.97	-0.59	0.0	-6.56e-04	-8.55e-05
2323	235	-2.27	16.32	-1.50	0.0	-1.42e-04	1.56e-04
2323	237	5.07	15.08	-1.62	0.0	1.99e-04	2.40e-04
2323	264	-1.09	0.76	-1.10	0.0	-9.76e-05	2.14e-05
2323	268	-0.42	1.43	-1.28	0.0	-7.12e-05	1.42e-05
2323	276	-0.36	1.61	-1.16	0.0	-6.17e-05	1.31e-05
2323	298	-0.35	0.77	-1.01	0.0	-5.94e-05	1.02e-05
2323	305	-0.48	0.71	-0.96	0.0	-6.33e-05	1.17e-05
2323	307	-0.33	0.88	-0.97	0.0	-5.61e-05	1.00e-05
2323	310	-0.34	0.72	-0.96	0.0	-5.66e-05	9.53e-06
2324	44	-1.16	0.83	-0.58	0.0	-1.32e-04	4.79e-05
2324	68	-0.25	2.02	-0.54	0.0	-7.14e-05	2.93e-05
2324	76	-0.34	0.73	-0.66	0.0	-9.15e-05	3.03e-05
2324	116	-11.27	1.68	-0.46	0.0	-7.91e-04	7.88e-05
2324	139	-1.24	11.02	-0.18	0.0	-8.08e-05	1.84e-04
2324	140	-5.14	-7.94	-0.59	0.0	-4.13e-04	-6.61e-05
2324	148	-12.65	1.79	-0.48	0.0	-8.83e-04	8.51e-05
2324	171	-1.36	12.38	-0.15	0.0	-8.34e-05	2.05e-04
2324	172	-5.77	-9.07	-0.61	0.0	-4.60e-04	-7.72e-05
2324	180	-12.54	1.65	-0.48	0.0	-8.76e-04	7.44e-05
2324	203	-1.27	12.64	-0.15	0.0	-7.51e-05	2.03e-04
2324	204	-5.77	-9.36	-0.62	0.0	-4.62e-04	-8.01e-05
2324	212	-14.65	1.74	-0.50	0.0	-1.02e-03	7.96e-05
2324	235	-1.41	14.90	-0.10	0.0	-7.51e-05	2.36e-04
2324	236	-6.75	-11.26	-0.67	0.0	-5.35e-04	-9.85e-05
2324	264	-0.79	0.58	-0.41	0.0	-9.05e-05	3.28e-05
2324	276	-0.18	1.38	-0.38	0.0	-5.03e-05	2.04e-05
2324	280	-0.23	0.51	-0.46	0.0	-6.37e-05	2.10e-05
2324	298	-0.19	0.59	-0.38	0.0	-5.09e-05	1.72e-05
2324	305	-0.30	0.55	-0.37	0.0	-5.57e-05	1.90e-05
2324	307	-0.18	0.71	-0.36	0.0	-4.76e-05	1.65e-05
2324	310	-0.18	0.56	-0.37	0.0	-4.87e-05	1.62e-05
2325	28	-1.17	1.15	-0.81	-2.96e-04	0.0	8.85e-05
2325	44	-1.51	0.94	-0.76	-2.56e-04	0.0	7.04e-05
2325	68	-0.46	2.19	-0.69	-3.21e-04	0.0	6.92e-05
2325	116	-10.25	2.31	-1.16	-2.02e-04	0.0	-3.32e-04
2325	139	-1.80	11.83	-0.72	-6.53e-04	0.0	-1.39e-04
2325	148	-11.48	2.49	-1.26	-2.07e-04	0.0	-3.79e-04
2325	171	-1.97	13.29	-0.75	-7.18e-04	0.0	-1.61e-04
2325	180	-11.33	2.32	-1.24	-2.00e-04	0.0	-3.74e-04
2325	203	-1.91	13.55	-0.75	-7.30e-04	0.0	-1.49e-04
2325	212	-13.19	2.50	-1.38	-2.03e-04	0.0	-4.47e-04
2325	235	-2.16	15.96	-0.80	-8.37e-04	0.0	-1.78e-04
2325	256	-0.80	0.80	-0.57	-2.05e-04	0.0	5.94e-05
2325	264	-1.02	0.66	-0.53	-1.79e-04	0.0	4.74e-05
2325	276	-0.32	1.49	-0.49	-2.22e-04	0.0	4.66e-05
2325	298	-0.32	0.67	-0.44	-1.65e-04	0.0	4.82e-05
2325	305	-0.44	0.62	-0.43	-1.56e-04	0.0	4.49e-05
2325	307	-0.30	0.79	-0.42	-1.65e-04	0.0	4.47e-05
2325	310	-0.30	0.64	-0.42	-1.57e-04	0.0	4.28e-05
2326	44	-1.55	1.04	-1.97	0.0	-1.47e-04	3.08e-05
2326	52	-0.56	2.02	-2.31	0.0	-1.08e-04	1.97e-05
2326	68	-0.48	2.29	-2.09	0.0	-9.35e-05	1.81e-05
2326	124	-10.17	-1.86	-0.86	0.0	-5.38e-04	-3.74e-05
2326	139	-1.84	11.78	-1.85	0.0	-1.35e-04	1.11e-04
2326	141	3.70	10.83	-1.95	0.0	1.38e-04	1.66e-04
2326	156	-11.40	-2.19	-0.81	0.0	-5.97e-04	-4.40e-05
2326	171	-2.02	13.22	-1.94	0.0	-1.44e-04	1.24e-04
2326	173	4.20	12.16	-2.05	0.0	1.63e-04	1.87e-04
2326	188	-11.24	-2.29	-0.81	0.0	-5.89e-04	-4.90e-05
2326	203	-1.97	13.50	-1.96	0.0	-1.41e-04	1.27e-04
2326	205	4.16	12.45	-2.07	0.0	1.60e-04	1.89e-04
2326	220	-13.02	-2.89	-0.74	0.0	-6.75e-04	-6.37e-05
2326	235	-2.23	15.89	-2.10	0.0	-1.53e-04	1.50e-04
2326	237	4.90	14.68	-2.23	0.0	1.97e-04	2.23e-04

2326	264	-1.05	0.73	-1.38	0.0	-1.02e-04	2.11e-05
2326	268	-0.39	1.38	-1.61	0.0	-7.52e-05	1.37e-05
2326	276	-0.34	1.56	-1.46	0.0	-6.56e-05	1.26e-05
2326	298	-0.33	0.74	-1.26	0.0	-6.23e-05	9.93e-06
2326	305	-0.45	0.68	-1.19	0.0	-6.62e-05	1.14e-05
2326	307	-0.31	0.85	-1.21	0.0	-5.90e-05	9.71e-06
2326	310	-0.31	0.69	-1.20	0.0	-5.94e-05	9.28e-06
2327	44	-1.62	1.06	-2.02	0.0	-1.43e-04	3.07e-05
2327	52	-0.62	2.07	-2.35	0.0	-1.03e-04	1.99e-05
2327	68	-0.53	2.34	-2.14	0.0	-8.90e-05	1.83e-05
2327	124	-10.43	-1.91	-0.88	0.0	-5.13e-04	-4.51e-05
2327	139	-1.91	12.09	-1.87	0.0	-1.29e-04	1.16e-04
2327	141	3.76	11.12	-1.97	0.0	1.33e-04	1.75e-04
2327	156	-11.69	-2.26	-0.83	0.0	-5.70e-04	-5.27e-05
2327	171	-2.09	13.57	-1.95	0.0	-1.37e-04	1.31e-04
2327	173	4.28	12.48	-2.06	0.0	1.56e-04	1.97e-04
2327	188	-11.52	-2.35	-0.83	0.0	-5.62e-04	-5.78e-05
2327	203	-2.03	13.85	-1.97	0.0	-1.34e-04	1.34e-04
2327	205	4.24	12.78	-2.08	0.0	1.54e-04	1.99e-04
2327	220	-13.35	-2.97	-0.76	0.0	-6.45e-04	-7.42e-05
2327	235	-2.30	16.31	-2.11	0.0	-1.46e-04	1.58e-04
2327	237	5.00	15.07	-2.25	0.0	1.90e-04	2.35e-04
2327	264	-1.10	0.74	-1.42	0.0	-9.82e-05	2.10e-05
2327	268	-0.43	1.41	-1.64	0.0	-7.20e-05	1.38e-05
2327	276	-0.37	1.60	-1.50	0.0	-6.25e-05	1.27e-05
2327	301	-0.35	0.73	-1.28	0.0	-5.88e-05	9.40e-06
2327	305	-0.48	0.70	-1.21	0.0	-6.39e-05	1.14e-05
2327	307	-0.34	0.87	-1.23	0.0	-5.67e-05	9.74e-06
2327	310	-0.34	0.71	-1.22	0.0	-5.71e-05	9.26e-06
2328	44	-1.50	1.25	-0.95	0.0	-1.36e-04	3.79e-05
2328	68	-0.45	2.56	-0.94	0.0	-7.89e-05	2.53e-05
2328	76	-0.57	1.18	-1.07	0.0	-9.85e-05	2.28e-05
2328	116	-12.18	2.00	-0.61	0.0	-3.68e-04	-3.36e-04
2328	139	-1.59	12.47	-0.55	0.0	-4.13e-05	1.38e-04
2328	140	-5.54	-8.68	-0.63	0.0	-2.26e-04	-2.52e-04
2328	148	-13.66	2.12	-0.61	0.0	-4.07e-04	-3.79e-04
2328	171	-1.73	13.99	-0.55	0.0	-3.91e-05	1.54e-04
2328	172	-6.19	-9.94	-0.63	0.0	-2.48e-04	-2.85e-04
2328	180	-13.52	1.96	-0.61	0.0	-4.05e-04	-3.80e-04
2328	203	-1.64	14.28	-0.54	0.0	-3.46e-05	1.58e-04
2328	204	-6.19	-10.27	-0.63	0.0	-2.50e-04	-2.87e-04
2328	212	-15.78	2.05	-0.61	0.0	-4.66e-04	-4.52e-04
2328	235	-1.81	16.80	-0.54	0.0	-2.90e-05	1.86e-04
2328	236	-7.22	-12.39	-0.64	0.0	-2.86e-04	-3.42e-04
2328	264	-1.02	0.88	-0.66	0.0	-9.38e-05	2.60e-05
2328	276	-0.31	1.75	-0.66	0.0	-5.55e-05	1.76e-05
2328	280	-0.40	0.83	-0.74	0.0	-6.86e-05	1.59e-05
2328	298	-0.32	0.86	-0.61	0.0	-5.49e-05	1.35e-05
2328	305	-0.44	0.80	-0.59	0.0	-5.92e-05	1.50e-05
2328	307	-0.30	0.98	-0.58	0.0	-5.16e-05	1.33e-05
2328	310	-0.31	0.82	-0.59	0.0	-5.24e-05	1.27e-05
2329	44	-1.57	1.37	-0.98	0.0	-1.37e-04	3.89e-05
2329	68	-0.48	2.71	-0.97	0.0	-7.92e-05	2.64e-05
2329	76	-0.62	1.31	-1.10	0.0	-9.88e-05	2.36e-05
2329	116	-12.33	2.08	-0.62	0.0	-3.37e-04	-3.55e-04
2329	139	-1.61	12.81	-0.57	0.0	-3.61e-05	1.42e-04
2329	140	-5.63	-8.85	-0.64	0.0	-2.14e-04	-2.64e-04
2329	148	-13.82	2.20	-0.62	0.0	-3.73e-04	-4.02e-04
2329	171	-1.75	14.37	-0.56	0.0	-3.33e-05	1.59e-04
2329	172	-6.30	-10.13	-0.65	0.0	-2.35e-04	-3.00e-04
2329	180	-13.68	2.04	-0.62	0.0	-3.71e-04	-4.02e-04
2329	203	-1.65	14.67	-0.56	0.0	-2.90e-05	1.63e-04
2329	204	-6.29	-10.47	-0.65	0.0	-2.37e-04	-3.02e-04
2329	212	-15.96	2.13	-0.63	0.0	-4.27e-04	-4.78e-04
2329	235	-1.82	17.25	-0.55	0.0	-2.25e-05	1.92e-04
2329	236	-7.34	-12.64	-0.66	0.0	-2.71e-04	-3.59e-04
2329	264	-1.06	0.96	-0.69	0.0	-9.41e-05	2.67e-05
2329	276	-0.34	1.85	-0.68	0.0	-5.57e-05	1.84e-05
2329	280	-0.43	0.92	-0.76	0.0	-6.88e-05	1.65e-05
2329	298	-0.35	0.94	-0.63	0.0	-5.50e-05	1.41e-05
2329	305	-0.47	0.87	-0.60	0.0	-5.94e-05	1.56e-05
2329	307	-0.33	1.05	-0.60	0.0	-5.17e-05	1.39e-05
2329	310	-0.33	0.89	-0.60	0.0	-5.26e-05	1.32e-05
2330	44	-1.67	1.07	-1.61	0.0	-1.37e-04	3.20e-05
2330	52	-0.65	2.10	-1.88	0.0	-9.74e-05	2.17e-05

2330	68	-0.56	2.38	-1.70	0.0	-8.34e-05	1.99e-05
2330	124	-10.68	-1.98	-0.70	0.0	-5.04e-04	-6.20e-05
2330	139	-1.95	12.38	-1.38	0.0	-1.21e-04	1.21e-04
2330	141	3.88	11.39	-1.47	0.0	1.37e-04	1.88e-04
2330	156	-11.97	-2.33	-0.67	0.0	-5.60e-04	-7.19e-05
2330	171	-2.13	13.90	-1.43	0.0	-1.28e-04	1.36e-04
2330	173	4.41	12.79	-1.53	0.0	1.60e-04	2.11e-04
2330	188	-11.81	-2.43	-0.66	0.0	-5.52e-04	-7.71e-05
2330	203	-2.07	14.19	-1.44	0.0	-1.25e-04	1.40e-04
2330	205	4.37	13.10	-1.54	0.0	1.59e-04	2.14e-04
2330	220	-13.68	-3.07	-0.61	0.0	-6.34e-04	-9.69e-05
2330	235	-2.33	16.72	-1.53	0.0	-1.35e-04	1.65e-04
2330	237	5.17	15.45	-1.65	0.0	1.95e-04	2.52e-04
2330	264	-1.13	0.75	-1.13	0.0	-9.43e-05	2.19e-05
2330	268	-0.46	1.43	-1.31	0.0	-6.78e-05	1.50e-05
2330	276	-0.39	1.62	-1.19	0.0	-5.85e-05	1.39e-05
2330	301	-0.37	0.73	-1.03	0.0	-5.56e-05	1.02e-05
2330	305	-0.51	0.71	-0.98	0.0	-6.09e-05	1.22e-05
2330	307	-0.36	0.88	-0.99	0.0	-5.37e-05	1.06e-05
2330	310	-0.36	0.72	-0.98	0.0	-5.42e-05	1.01e-05
2331	28	-1.17	1.19	-0.79	-2.79e-04	0.0	8.61e-05
2331	44	-1.51	0.98	-0.72	-2.42e-04	0.0	6.82e-05
2331	68	-0.46	2.23	-0.68	-3.07e-04	0.0	6.72e-05
2331	115	-9.06	6.54	-0.90	-4.15e-04	0.0	-1.35e-04
2331	116	-10.25	2.20	-0.85	-1.90e-04	0.0	-3.34e-04
2331	139	-1.80	11.84	-0.61	-6.63e-04	0.0	-1.40e-04
2331	147	-10.13	7.28	-0.95	-4.49e-04	0.0	-1.56e-04
2331	148	-11.48	2.37	-0.90	-1.94e-04	0.0	-3.81e-04
2331	171	-1.97	13.30	-0.64	-7.30e-04	0.0	-1.61e-04
2331	179	-9.96	7.27	-0.95	-4.51e-04	0.0	-1.46e-04
2331	180	-11.33	2.20	-0.90	-1.87e-04	0.0	-3.76e-04
2331	203	-1.91	13.56	-0.63	-7.43e-04	0.0	-1.49e-04
2331	211	-11.55	8.47	-1.03	-5.07e-04	0.0	-1.75e-04
2331	212	-13.19	2.36	-0.97	-1.89e-04	0.0	-4.50e-04
2331	235	-2.16	15.97	-0.67	-8.54e-04	0.0	-1.77e-04
2331	256	-0.80	0.82	-0.55	-1.94e-04	0.0	5.77e-05
2331	264	-1.02	0.68	-0.51	-1.70e-04	0.0	4.58e-05
2331	276	-0.32	1.52	-0.48	-2.13e-04	0.0	4.51e-05
2331	298	-0.32	0.69	-0.44	-1.56e-04	0.0	4.69e-05
2331	305	-0.44	0.64	-0.42	-1.47e-04	0.0	4.37e-05
2331	307	-0.30	0.81	-0.42	-1.56e-04	0.0	4.35e-05
2331	310	-0.30	0.66	-0.42	-1.48e-04	0.0	4.16e-05
2332	44	-1.24	0.95	-0.59	0.0	-1.37e-04	4.70e-05
2332	68	-0.29	2.18	-0.55	0.0	-7.51e-05	3.04e-05
2332	76	-0.39	0.86	-0.66	0.0	-9.62e-05	3.11e-05
2332	116	-11.70	1.77	-0.47	0.0	-7.61e-04	9.47e-05
2332	139	-1.29	11.42	-0.18	0.0	-7.38e-05	1.92e-04
2332	140	-5.37	-8.14	-0.59	0.0	-4.06e-04	-6.30e-05
2332	148	-13.13	1.89	-0.48	0.0	-8.49e-04	1.03e-04
2332	171	-1.41	12.82	-0.15	0.0	-7.52e-05	2.14e-04
2332	172	-6.02	-9.30	-0.62	0.0	-4.51e-04	-7.37e-05
2332	180	-13.01	1.74	-0.48	0.0	-8.42e-04	9.18e-05
2332	203	-1.31	13.09	-0.14	0.0	-6.69e-05	2.12e-04
2332	204	-6.02	-9.60	-0.63	0.0	-4.53e-04	-7.68e-05
2332	212	-15.20	1.83	-0.51	0.0	-9.79e-04	9.97e-05
2332	235	-1.45	15.42	-0.10	0.0	-6.51e-05	2.46e-04
2332	236	-7.04	-11.57	-0.68	0.0	-5.25e-04	-9.48e-05
2332	264	-0.83	0.66	-0.41	0.0	-9.38e-05	3.21e-05
2332	276	-0.20	1.49	-0.39	0.0	-5.28e-05	2.11e-05
2332	280	-0.27	0.60	-0.46	0.0	-6.69e-05	2.16e-05
2332	298	-0.22	0.67	-0.38	0.0	-5.34e-05	1.76e-05
2332	305	-0.33	0.62	-0.37	0.0	-5.81e-05	1.91e-05
2332	307	-0.20	0.79	-0.36	0.0	-4.99e-05	1.69e-05
2332	310	-0.21	0.63	-0.37	0.0	-5.10e-05	1.65e-05
2333	44	-1.12	0.69	-0.74	0.0	-1.32e-04	3.49e-05
2333	68	-0.23	1.84	-0.71	0.0	-7.29e-05	1.93e-05
2333	76	-0.30	0.57	-0.84	0.0	-9.27e-05	1.84e-05
2333	116	-10.79	1.57	-0.52	0.0	-8.93e-04	-2.04e-04
2333	139	-1.26	10.59	-0.36	0.0	-1.05e-04	1.17e-04
2333	140	-4.86	-7.75	-0.58	0.0	-4.50e-04	-1.71e-04
2333	148	-12.11	1.68	-0.52	0.0	-9.97e-04	-2.31e-04
2333	171	-1.39	11.92	-0.35	0.0	-1.10e-04	1.31e-04
2333	172	-5.45	-8.84	-0.60	0.0	-5.00e-04	-1.94e-04
2333	180	-11.99	1.54	-0.52	0.0	-9.88e-04	-2.30e-04
2333	203	-1.30	12.16	-0.34	0.0	-1.01e-04	1.34e-04

2333	204	-5.45	-9.13	-0.60	0.0	-5.01e-04	-1.94e-04
2333	212	-14.01	1.63	-0.54	0.0	-1.15e-03	-2.74e-04
2333	235	-1.45	14.35	-0.32	0.0	-1.06e-04	1.57e-04
2333	236	-6.37	-10.96	-0.63	0.0	-5.82e-04	-2.31e-04
2333	264	-0.75	0.48	-0.52	0.0	-9.06e-05	2.38e-05
2333	276	-0.16	1.25	-0.50	0.0	-5.14e-05	1.34e-05
2333	280	-0.21	0.40	-0.58	0.0	-6.45e-05	1.28e-05
2333	298	-0.17	0.50	-0.48	0.0	-5.16e-05	1.07e-05
2333	305	-0.28	0.46	-0.46	0.0	-5.62e-05	1.25e-05
2333	307	-0.16	0.61	-0.46	0.0	-4.84e-05	1.04e-05
2333	310	-0.16	0.47	-0.46	0.0	-4.94e-05	1.00e-05
2334	44	-1.19	0.83	-0.74	0.0	-1.32e-04	3.79e-05
2334	68	-0.26	2.02	-0.72	0.0	-7.37e-05	2.28e-05
2334	76	-0.35	0.73	-0.84	0.0	-9.36e-05	2.21e-05
2334	116	-11.26	1.68	-0.52	0.0	-8.20e-04	2.76e-05
2334	139	-1.32	11.02	-0.36	0.0	-9.39e-05	1.89e-04
2334	140	-5.10	-7.94	-0.59	0.0	-4.20e-04	-1.01e-04
2334	148	-12.64	1.80	-0.53	0.0	-9.16e-04	2.82e-05
2334	171	-1.44	12.38	-0.34	0.0	-9.80e-05	2.11e-04
2334	172	-5.72	-9.07	-0.60	0.0	-4.67e-04	-1.16e-04
2334	180	-12.52	1.65	-0.53	0.0	-9.07e-04	1.90e-05
2334	203	-1.35	12.64	-0.34	0.0	-8.96e-05	2.11e-04
2334	204	-5.71	-9.36	-0.61	0.0	-4.69e-04	-1.19e-04
2334	212	-14.62	1.74	-0.54	0.0	-1.05e-03	1.67e-05
2334	235	-1.50	14.90	-0.32	0.0	-9.20e-05	2.47e-04
2334	236	-6.68	-11.26	-0.63	0.0	-5.43e-04	-1.43e-04
2334	264	-0.80	0.58	-0.52	0.0	-9.11e-05	2.59e-05
2334	276	-0.19	1.38	-0.50	0.0	-5.18e-05	1.58e-05
2334	280	-0.24	0.51	-0.59	0.0	-6.51e-05	1.54e-05
2334	298	-0.20	0.60	-0.49	0.0	-5.21e-05	1.28e-05
2334	305	-0.31	0.55	-0.47	0.0	-5.66e-05	1.44e-05
2334	307	-0.18	0.71	-0.46	0.0	-4.88e-05	1.24e-05
2334	310	-0.19	0.56	-0.46	0.0	-4.98e-05	1.20e-05
2335	44	-1.74	1.38	-1.70	-1.48e-03	-1.17e-04	3.64e-05
2335	59	-0.65	2.34	-1.98	-1.89e-03	-7.31e-05	2.41e-05
2335	68	-0.60	2.72	-1.79	-1.52e-03	-6.73e-05	2.48e-05
2335	124	-10.93	-1.87	-0.75	-6.57e-04	-3.60e-04	-7.03e-05
2335	139	-2.00	12.83	-1.42	-1.14e-03	-7.00e-05	1.28e-04
2335	141	3.94	11.82	-1.51	-1.18e-03	1.01e-04	1.99e-04
2335	156	-12.24	-2.24	-0.71	-6.41e-04	-3.99e-04	-8.15e-05
2335	171	-2.19	14.39	-1.48	-1.18e-03	-7.26e-05	1.44e-04
2335	173	4.49	13.25	-1.58	-1.23e-03	1.20e-04	2.24e-04
2335	188	-12.07	-2.34	-0.71	-6.39e-04	-3.95e-04	-8.68e-05
2335	203	-2.13	14.68	-1.49	-1.19e-03	-6.92e-05	1.48e-04
2335	205	4.45	13.57	-1.59	-1.23e-03	1.20e-04	2.27e-04
2335	220	-13.98	-3.00	-0.65	-6.11e-04	-4.53e-04	-1.09e-04
2335	235	-2.40	17.27	-1.58	-1.27e-03	-7.17e-05	1.74e-04
2335	237	5.26	15.97	-1.70	-1.32e-03	1.49e-04	2.67e-04
2335	264	-1.18	0.97	-1.20	-1.05e-03	-8.01e-05	2.50e-05
2335	271	-0.45	1.61	-1.38	-1.32e-03	-5.11e-05	1.68e-05
2335	276	-0.42	1.86	-1.26	-1.08e-03	-4.72e-05	1.72e-05
2335	301	-0.40	0.92	-1.08	-8.85e-04	-4.60e-05	1.29e-05
2335	305	-0.54	0.88	-1.02	-7.83e-04	-5.09e-05	1.48e-05
2335	307	-0.39	1.06	-1.04	-7.89e-04	-4.43e-05	1.32e-05
2335	310	-0.39	0.89	-1.03	-7.84e-04	-4.49e-05	1.26e-05
2336	44	-1.69	0.92	-2.14	0.0	-1.39e-04	3.18e-05
2336	59	-0.62	1.75	-2.51	0.0	-9.27e-05	1.87e-05
2336	68	-0.57	2.23	-2.26	0.0	-8.58e-05	1.98e-05
2336	124	-10.68	-2.06	-0.93	0.0	-4.92e-04	-5.74e-05
2336	139	-1.97	12.30	-1.92	0.0	-1.23e-04	1.22e-04
2336	141	3.83	11.32	-2.02	0.0	1.28e-04	1.86e-04
2336	156	-11.96	-2.41	-0.89	0.0	-5.46e-04	-6.67e-05
2336	171	-2.16	13.83	-2.00	0.0	-1.32e-04	1.37e-04
2336	173	4.35	12.72	-2.11	0.0	1.50e-04	2.09e-04
2336	188	-11.79	-2.51	-0.88	0.0	-5.38e-04	-7.19e-05
2336	203	-2.10	14.12	-2.02	0.0	-1.28e-04	1.41e-04
2336	205	4.31	13.03	-2.13	0.0	1.48e-04	2.12e-04
2336	220	-13.66	-3.15	-0.81	0.0	-6.18e-04	-9.09e-05
2336	235	-2.37	16.64	-2.16	0.0	-1.40e-04	1.66e-04
2336	237	5.09	15.37	-2.30	0.0	1.83e-04	2.50e-04
2336	264	-1.14	0.64	-1.50	0.0	-9.58e-05	2.18e-05
2336	271	-0.43	1.19	-1.75	0.0	-6.48e-05	1.30e-05
2336	276	-0.40	1.51	-1.58	0.0	-6.02e-05	1.37e-05
2336	301	-0.38	0.64	-1.35	0.0	-5.70e-05	1.01e-05
2336	305	-0.51	0.63	-1.27	0.0	-6.22e-05	1.21e-05

2336	307	-0.37	0.80	-1.29	0.0	-5.51e-05	1.05e-05
2336	310	-0.37	0.64	-1.27	0.0	-5.55e-05	9.98e-06
2337	44	-1.75	1.39	-2.37	-2.13e-03	-1.85e-04	3.57e-05
2337	59	-0.66	2.35	-2.82	-2.74e-03	-1.53e-04	2.36e-05
2337	68	-0.61	2.72	-2.48	-2.18e-03	-1.32e-04	2.44e-05
2337	124	-10.91	-1.87	-1.04	-9.65e-04	-5.06e-04	-7.33e-05
2337	139	-2.03	12.83	-2.02	-1.53e-03	-1.45e-04	1.31e-04
2337	141	3.89	11.82	-2.12	-1.58e-03	1.01e-04	2.02e-04
2337	156	-12.22	-2.24	-1.00	-9.46e-04	-5.60e-04	-8.49e-05
2337	171	-2.22	14.39	-2.11	-1.58e-03	-1.53e-04	1.47e-04
2337	173	4.42	13.25	-2.22	-1.64e-03	1.24e-04	2.27e-04
2337	188	-12.05	-2.34	-0.99	-9.46e-04	-5.52e-04	-9.03e-05
2337	203	-2.16	14.68	-2.13	-1.59e-03	-1.50e-04	1.51e-04
2337	205	4.38	13.57	-2.24	-1.64e-03	1.22e-04	2.31e-04
2337	220	-13.95	-3.00	-0.92	-9.14e-04	-6.30e-04	-1.13e-04
2337	235	-2.44	17.27	-2.27	-1.68e-03	-1.61e-04	1.78e-04
2337	237	5.18	15.97	-2.40	-1.74e-03	1.56e-04	2.71e-04
2337	264	-1.19	0.97	-1.67	-1.51e-03	-1.28e-04	2.45e-05
2337	271	-0.46	1.61	-1.97	-1.92e-03	-1.07e-04	1.64e-05
2337	276	-0.43	1.86	-1.75	-1.54e-03	-9.27e-05	1.70e-05
2337	301	-0.41	0.92	-1.49	-1.27e-03	-8.38e-05	1.26e-05
2337	305	-0.54	0.88	-1.38	-1.11e-03	-8.52e-05	1.44e-05
2337	307	-0.39	1.06	-1.40	-1.12e-03	-7.81e-05	1.29e-05
2337	310	-0.40	0.89	-1.39	-1.11e-03	-7.85e-05	1.23e-05
2338	44	-1.58	1.08	-1.75	0.0	-2.96e-04	2.93e-04
2338	52	-0.59	1.88	-1.99	0.0	-2.92e-04	3.59e-04
2338	68	-0.49	2.13	-1.76	0.0	-2.49e-04	2.92e-04
2338	123	-9.49	3.82	-1.45	0.0	-6.78e-04	7.81e-05
2338	137	0.68	11.83	-1.48	0.0	-1.34e-04	4.77e-04
2338	139	-3.25	10.22	-1.64	0.0	-3.55e-04	2.34e-04
2338	155	-10.63	4.24	-1.50	0.0	-7.43e-04	6.54e-05
2338	169	0.80	13.30	-1.54	0.0	-1.32e-04	5.14e-04
2338	171	-3.61	11.48	-1.72	0.0	-3.80e-04	2.41e-04
2338	187	-10.46	4.36	-1.50	0.0	-7.34e-04	7.30e-05
2338	201	0.81	13.63	-1.56	0.0	-1.34e-04	5.16e-04
2338	203	-3.52	11.79	-1.73	0.0	-3.77e-04	2.46e-04
2338	219	-12.11	5.11	-1.58	0.0	-8.29e-04	5.90e-05
2338	233	1.00	16.08	-1.65	0.0	-1.31e-04	5.75e-04
2338	235	-4.04	13.91	-1.85	0.0	-4.14e-04	2.60e-04
2338	264	-1.07	0.75	-1.23	0.0	-2.05e-04	2.02e-04
2338	268	-0.41	1.29	-1.39	0.0	-2.02e-04	2.46e-04
2338	276	-0.34	1.45	-1.24	0.0	-1.73e-04	2.01e-04
2338	298	-0.34	0.69	-1.11	0.0	-1.64e-04	2.02e-04
2338	305	-0.47	0.65	-1.06	0.0	-1.61e-04	1.87e-04
2338	307	-0.32	0.79	-1.06	0.0	-1.55e-04	1.87e-04
2338	310	-0.32	0.65	-1.05	0.0	-1.54e-04	1.87e-04
2339	44	-1.71	1.12	-1.76	0.0	-2.30e-04	1.55e-04
2339	52	-0.71	1.95	-2.01	0.0	-2.08e-04	1.74e-04
2339	68	-0.59	2.21	-1.78	0.0	-1.80e-04	1.41e-04
2339	123	-9.83	3.96	-1.46	0.0	-6.15e-04	-5.17e-05
2339	137	0.64	12.33	-1.50	0.0	-7.73e-05	3.40e-04
2339	139	-3.41	10.65	-1.66	0.0	-2.94e-04	8.94e-05
2339	155	-11.00	4.39	-1.51	0.0	-6.78e-04	-6.87e-05
2339	169	0.76	13.86	-1.56	0.0	-7.33e-05	3.72e-04
2339	171	-3.78	11.97	-1.74	0.0	-3.17e-04	8.99e-05
2339	187	-10.83	4.52	-1.52	0.0	-6.68e-04	-6.13e-05
2339	201	0.77	14.20	-1.57	0.0	-7.44e-05	3.72e-04
2339	203	-3.69	12.29	-1.75	0.0	-3.13e-04	9.31e-05
2339	219	-12.53	5.30	-1.60	0.0	-7.60e-04	-8.20e-05
2339	233	0.97	16.76	-1.67	0.0	-6.86e-05	4.21e-04
2339	235	-4.22	14.50	-1.88	0.0	-3.46e-04	9.56e-05
2339	264	-1.16	0.78	-1.24	0.0	-1.59e-04	1.07e-04
2339	268	-0.49	1.33	-1.40	0.0	-1.45e-04	1.19e-04
2339	276	-0.42	1.51	-1.25	0.0	-1.26e-04	9.70e-05
2339	298	-0.41	0.71	-1.12	0.0	-1.17e-04	9.86e-05
2339	305	-0.53	0.68	-1.07	0.0	-1.18e-04	9.32e-05
2339	307	-0.39	0.82	-1.07	0.0	-1.11e-04	9.12e-05
2339	310	-0.39	0.67	-1.06	0.0	-1.11e-04	9.11e-05
2340	44	-1.52	1.25	-0.97	0.0	-1.38e-04	3.75e-05
2340	68	-0.46	2.56	-0.97	0.0	-8.10e-05	2.48e-05
2340	76	-0.58	1.18	-1.10	0.0	-1.00e-04	2.24e-05
2340	116	-12.01	2.00	-0.60	0.0	-3.56e-04	-3.57e-04
2340	138	1.03	-10.84	-0.63	0.0	-5.81e-05	-1.08e-04
2340	139	-1.65	12.46	-0.58	0.0	-4.86e-05	1.33e-04
2340	148	-13.46	2.12	-0.60	0.0	-3.93e-04	-4.04e-04

2340	170	1.18	-12.36	-0.63	0.0	-5.95e-05	-1.24e-04
2340	171	-1.80	13.99	-0.57	0.0	-4.73e-05	1.49e-04
2340	180	-13.32	1.96	-0.60	0.0	-3.91e-04	-4.04e-04
2340	202	1.08	-12.65	-0.64	0.0	-6.37e-05	-1.28e-04
2340	203	-1.71	14.27	-0.57	0.0	-4.31e-05	1.53e-04
2340	212	-15.54	2.05	-0.60	0.0	-4.50e-04	-4.80e-04
2340	234	1.27	-15.17	-0.64	0.0	-6.77e-05	-1.55e-04
2340	235	-1.90	16.80	-0.57	0.0	-3.90e-05	1.80e-04
2340	264	-1.03	0.87	-0.68	0.0	-9.50e-05	2.57e-05
2340	276	-0.32	1.75	-0.68	0.0	-5.69e-05	1.72e-05
2340	280	-0.41	0.83	-0.77	0.0	-6.97e-05	1.57e-05
2340	298	-0.33	0.86	-0.63	0.0	-5.59e-05	1.33e-05
2340	305	-0.45	0.80	-0.60	0.0	-6.02e-05	1.48e-05
2340	307	-0.31	0.98	-0.60	0.0	-5.26e-05	1.31e-05
2340	310	-0.31	0.81	-0.60	0.0	-5.34e-05	1.25e-05
2341	44	-1.59	1.37	-1.00	-5.20e-05	-1.17e-04	3.72e-05
2341	68	-0.50	2.71	-1.00	-6.57e-05	-6.73e-05	2.51e-05
2341	76	-0.64	1.31	-1.13	-5.99e-05	-8.33e-05	2.25e-05
2341	116	-12.15	2.08	-0.61	0.0	-3.60e-04	-3.67e-04
2341	138	0.99	-11.04	-0.65	0.0	-1.97e-05	-1.10e-04
2341	139	-1.67	12.81	-0.59	-6.28e-05	-7.00e-05	1.35e-04
2341	148	-13.61	2.20	-0.61	4.29e-06	-3.99e-04	-4.15e-04
2341	170	1.14	-12.60	-0.65	3.91e-06	-1.71e-05	-1.27e-04
2341	171	-1.82	14.37	-0.59	-6.69e-05	-7.26e-05	1.52e-04
2341	180	-13.47	2.04	-0.61	4.74e-06	-3.95e-04	-4.15e-04
2341	202	1.05	-12.90	-0.65	5.10e-06	-2.05e-05	-1.31e-04
2341	203	-1.73	14.67	-0.59	-6.81e-05	-6.92e-05	1.56e-04
2341	212	-15.71	2.13	-0.61	1.15e-05	-4.55e-04	-4.94e-04
2341	234	1.24	-15.48	-0.66	1.22e-05	-1.81e-05	-1.59e-04
2341	235	-1.92	17.25	-0.58	-7.52e-05	-7.17e-05	1.84e-04
2341	264	-1.08	0.96	-0.70	-3.70e-05	-8.01e-05	2.56e-05
2341	276	-0.35	1.85	-0.70	-4.61e-05	-4.72e-05	1.74e-05
2341	280	-0.44	0.92	-0.78	-4.23e-05	-5.79e-05	1.57e-05
2341	298	-0.36	0.94	-0.65	-3.28e-05	-4.72e-05	1.34e-05
2341	305	-0.48	0.87	-0.62	-3.09e-05	-5.09e-05	1.48e-05
2341	307	-0.33	1.05	-0.62	-3.27e-05	-4.43e-05	1.32e-05
2341	310	-0.34	0.89	-0.62	-3.15e-05	-4.49e-05	1.26e-05
2342	44	-1.26	0.95	-0.75	0.0	-1.33e-04	3.67e-05
2342	68	-0.30	2.18	-0.72	0.0	-7.42e-05	2.36e-05
2342	76	-0.40	0.86	-0.84	0.0	-9.42e-05	2.25e-05
2342	116	-11.68	1.77	-0.52	0.0	-7.14e-04	2.82e-05
2342	139	-1.37	11.42	-0.36	0.0	-7.87e-05	2.02e-04
2342	140	-5.31	-8.14	-0.59	0.0	-3.77e-04	-1.10e-04
2342	148	-13.10	1.89	-0.53	0.0	-7.97e-04	2.88e-05
2342	171	-1.49	12.82	-0.34	0.0	-8.09e-05	2.26e-04
2342	172	-5.96	-9.30	-0.61	0.0	-4.18e-04	-1.26e-04
2342	180	-12.98	1.74	-0.53	0.0	-7.90e-04	1.97e-05
2342	203	-1.40	13.09	-0.34	0.0	-7.33e-05	2.26e-04
2342	204	-5.95	-9.60	-0.61	0.0	-4.20e-04	-1.29e-04
2342	212	-15.16	1.83	-0.55	0.0	-9.17e-04	1.74e-05
2342	235	-1.55	15.42	-0.32	0.0	-7.32e-05	2.64e-04
2342	236	-6.96	-11.56	-0.64	0.0	-4.86e-04	-1.56e-04
2342	264	-0.85	0.66	-0.53	0.0	-9.11e-05	2.51e-05
2342	276	-0.21	1.48	-0.51	0.0	-5.22e-05	1.64e-05
2342	280	-0.28	0.60	-0.59	0.0	-6.56e-05	1.56e-05
2342	298	-0.23	0.67	-0.49	0.0	-5.24e-05	1.30e-05
2342	305	-0.34	0.62	-0.47	0.0	-5.69e-05	1.44e-05
2342	307	-0.21	0.79	-0.46	0.0	-4.91e-05	1.27e-05
2342	310	-0.22	0.63	-0.47	0.0	-5.01e-05	1.22e-05
2343	44	-1.14	0.69	-0.84	0.0	-1.34e-04	3.10e-05
2343	68	-0.24	1.84	-0.82	0.0	-7.62e-05	1.65e-05
2343	76	-0.31	0.58	-0.95	0.0	-9.60e-05	1.51e-05
2343	116	-10.69	1.57	-0.55	0.0	-9.24e-04	-2.51e-04
2343	139	-1.32	10.60	-0.47	0.0	-1.18e-04	1.12e-04
2343	140	-4.78	-7.75	-0.59	0.0	-4.58e-04	-1.93e-04
2343	148	-11.99	1.69	-0.56	0.0	-1.03e-03	-2.83e-04
2343	171	-1.45	11.92	-0.46	0.0	-1.25e-04	1.25e-04
2343	172	-5.36	-8.84	-0.60	0.0	-5.10e-04	-2.19e-04
2343	180	-11.87	1.54	-0.56	0.0	-1.02e-03	-2.83e-04
2343	203	-1.36	12.17	-0.46	0.0	-1.16e-04	1.28e-04
2343	204	-5.35	-9.12	-0.60	0.0	-5.11e-04	-2.19e-04
2343	212	-13.87	1.63	-0.56	0.0	-1.19e-03	-3.37e-04
2343	235	-1.53	14.36	-0.44	0.0	-1.23e-04	1.51e-04
2343	236	-6.26	-10.96	-0.61	0.0	-5.92e-04	-2.61e-04
2343	264	-0.77	0.48	-0.59	0.0	-9.23e-05	2.11e-05

2343	276	-0.17	1.25	-0.57	0.0	-5.36e-05	1.15e-05
2343	280	-0.22	0.41	-0.66	0.0	-6.68e-05	1.05e-05
2343	298	-0.18	0.50	-0.55	0.0	-5.34e-05	8.91e-06
2343	305	-0.28	0.46	-0.52	0.0	-5.79e-05	1.07e-05
2343	307	-0.16	0.62	-0.52	0.0	-5.01e-05	8.74e-06
2343	310	-0.17	0.47	-0.52	0.0	-5.11e-05	8.33e-06
2344	28	-0.85	0.98	0.43	-2.66e-04	0.0	2.45e-05
2344	44	-1.14	0.85	0.38	-2.32e-04	0.0	2.78e-05
2344	68	-0.26	2.58	0.34	-1.21e-03	0.0	2.27e-05
2344	116	-11.09	-5.03	0.58	3.45e-04	0.0	-3.44e-04
2344	137	4.68	11.80	0.02	-1.14e-03	0.0	2.44e-04
2344	148	-12.44	-5.75	0.63	4.08e-04	0.0	-3.88e-04
2344	169	5.30	13.29	-5.38e-04	-1.28e-03	0.0	2.74e-04
2344	180	-12.33	-5.91	0.62	4.23e-04	0.0	-3.88e-04
2344	201	5.29	13.62	-8.01e-04	-1.30e-03	0.0	2.74e-04
2344	212	-14.41	-7.17	0.70	5.35e-04	0.0	-4.60e-04
2344	233	6.25	16.10	-0.04	-1.52e-03	0.0	3.22e-04
2344	256	-0.58	0.68	0.29	-1.85e-04	0.0	1.68e-05
2344	264	-0.77	0.59	0.26	-1.62e-04	0.0	1.90e-05
2344	276	-0.18	1.75	0.23	-8.16e-04	0.0	1.56e-05
2344	298	-0.20	0.54	0.21	-1.47e-04	0.0	8.82e-06
2344	305	-0.30	0.51	0.20	-1.39e-04	0.0	1.02e-05
2344	307	-0.18	0.74	0.20	-2.70e-04	0.0	9.52e-06
2344	310	-0.19	0.50	0.20	-1.39e-04	0.0	8.27e-06
2345	44	-1.39	1.04	-0.38	0.0	-1.76e-04	-8.19e-05
2345	52	-0.41	1.72	-0.50	0.0	-1.24e-04	9.69e-06
2345	68	-0.35	2.00	-0.46	0.0	-1.08e-04	7.97e-06
2345	123	-9.25	3.55	-0.12	0.0	-5.71e-04	7.34e-05
2345	129	0.79	12.73	-0.65	0.0	-6.49e-06	3.85e-04
2345	155	-10.37	3.95	-0.10	0.0	-6.34e-04	8.25e-05
2345	161	0.91	14.35	-0.70	0.0	0.0	4.34e-04
2345	187	-10.21	4.10	-0.11	0.0	-6.24e-04	8.64e-05
2345	193	0.89	14.88	-0.72	0.0	0.0	4.41e-04
2345	219	-11.83	4.84	-0.09	0.0	-7.14e-04	1.04e-04
2345	225	1.07	17.82	-0.81	0.0	1.12e-05	5.26e-04
2345	264	-0.94	0.72	-0.28	0.0	-1.21e-04	-5.43e-05
2345	268	-0.29	1.17	-0.35	0.0	-8.64e-05	6.73e-06
2345	276	-0.24	1.36	-0.33	0.0	-7.58e-05	5.58e-06
2345	298	-0.24	0.60	-0.28	0.0	-7.06e-05	5.36e-06
2345	305	-0.37	0.58	-0.26	0.0	-7.61e-05	-6.99e-06
2345	307	-0.23	0.71	-0.27	0.0	-6.71e-05	4.99e-06
2345	310	-0.23	0.56	-0.27	0.0	-6.72e-05	4.97e-06
2346	44	-1.48	1.21	-0.40	0.0	-1.64e-04	-1.59e-04
2346	52	-0.48	1.94	-0.52	0.0	-1.22e-04	1.49e-05
2346	68	-0.41	2.21	-0.48	0.0	-1.07e-04	1.29e-05
2346	123	-9.55	3.81	-0.13	0.0	-5.60e-04	1.32e-04
2346	129	0.78	13.43	-0.69	0.0	-6.61e-06	4.17e-04
2346	155	-10.70	4.23	-0.12	0.0	-6.21e-04	1.48e-04
2346	161	0.91	15.13	-0.74	0.0	0.0	4.69e-04
2346	187	-10.54	4.39	-0.13	0.0	-6.11e-04	1.50e-04
2346	193	0.89	15.68	-0.76	0.0	0.0	4.78e-04
2346	219	-12.21	5.17	-0.11	0.0	-6.99e-04	1.77e-04
2346	225	1.08	18.76	-0.86	0.0	1.07e-05	5.70e-04
2346	264	-1.00	0.84	-0.29	0.0	-1.13e-04	-1.06e-04
2346	268	-0.33	1.33	-0.37	0.0	-8.52e-05	1.04e-05
2346	276	-0.28	1.51	-0.34	0.0	-7.47e-05	9.05e-06
2346	298	-0.28	0.70	-0.29	0.0	-6.97e-05	7.99e-06
2346	305	-0.41	0.68	-0.27	0.0	-7.38e-05	-1.53e-05
2346	307	-0.26	0.81	-0.28	0.0	-6.61e-05	7.60e-06
2346	310	-0.26	0.66	-0.28	0.0	-6.62e-05	7.46e-06
2347	44	-1.21	0.84	-0.85	0.0	-1.34e-04	3.25e-05
2347	68	-0.28	2.03	-0.83	0.0	-7.59e-05	1.89e-05
2347	76	-0.36	0.74	-0.96	0.0	-9.56e-05	1.74e-05
2347	116	-11.17	1.68	-0.56	0.0	-8.29e-04	-2.47e-04
2347	139	-1.38	11.02	-0.47	0.0	-1.04e-04	1.22e-04
2347	140	-5.02	-7.94	-0.60	0.0	-4.19e-04	-1.97e-04
2347	148	-12.53	1.80	-0.56	0.0	-9.25e-04	-2.79e-04
2347	171	-1.51	12.39	-0.46	0.0	-1.10e-04	1.36e-04
2347	172	-5.63	-9.06	-0.61	0.0	-4.65e-04	-2.23e-04
2347	180	-12.41	1.65	-0.56	0.0	-9.16e-04	-2.79e-04
2347	203	-1.43	12.64	-0.46	0.0	-1.01e-04	1.39e-04
2347	204	-5.62	-9.36	-0.61	0.0	-4.66e-04	-2.24e-04
2347	212	-14.50	1.74	-0.57	0.0	-1.06e-03	-3.32e-04
2347	235	-1.59	14.90	-0.45	0.0	-1.06e-04	1.64e-04
2347	236	-6.57	-11.26	-0.62	0.0	-5.40e-04	-2.67e-04

2347	264	-0.82	0.58	-0.59	0.0	-9.19e-05	2.22e-05
2347	276	-0.19	1.38	-0.58	0.0	-5.34e-05	1.31e-05
2347	280	-0.25	0.52	-0.67	0.0	-6.66e-05	1.21e-05
2347	298	-0.20	0.60	-0.55	0.0	-5.32e-05	1.02e-05
2347	305	-0.31	0.55	-0.53	0.0	-5.77e-05	1.18e-05
2347	307	-0.19	0.71	-0.53	0.0	-5.00e-05	1.00e-05
2347	310	-0.19	0.56	-0.53	0.0	-5.09e-05	9.57e-06
2348	28	-1.24	1.30	-0.81	-2.89e-04	0.0	5.69e-05
2348	44	-1.59	1.08	-0.76	-2.49e-04	0.0	4.56e-05
2348	68	-0.51	2.36	-0.69	-3.15e-04	0.0	4.29e-05
2348	116	-10.53	2.40	-1.16	-1.75e-04	0.0	-3.54e-04
2348	139	-1.86	12.11	-0.72	-5.21e-04	0.0	-1.71e-04
2348	148	-11.78	2.59	-1.25	-1.77e-04	0.0	-4.01e-04
2348	171	-2.04	13.60	-0.75	-5.69e-04	0.0	-1.95e-04
2348	180	-11.63	2.41	-1.24	-1.72e-04	0.0	-3.98e-04
2348	203	-1.97	13.86	-0.75	-5.78e-04	0.0	-1.87e-04
2348	212	-13.54	2.60	-1.37	-1.71e-04	0.0	-4.73e-04
2348	235	-2.23	16.32	-0.80	-6.58e-04	0.0	-2.22e-04
2348	256	-0.85	0.90	-0.57	-2.01e-04	0.0	3.78e-05
2348	264	-1.07	0.75	-0.53	-1.74e-04	0.0	3.03e-05
2348	276	-0.36	1.61	-0.49	-2.18e-04	0.0	2.85e-05
2348	298	-0.35	0.76	-0.44	-1.62e-04	0.0	2.98e-05
2348	305	-0.47	0.70	-0.44	-1.53e-04	0.0	2.80e-05
2348	307	-0.33	0.87	-0.43	-1.62e-04	0.0	2.77e-05
2348	310	-0.33	0.72	-0.42	-1.53e-04	0.0	2.59e-05
2349	44	-1.56	1.38	-0.41	0.0	-1.60e-04	-1.98e-04
2349	52	-0.54	2.17	-0.53	0.0	-1.22e-04	2.02e-05
2349	68	-0.46	2.44	-0.49	0.0	-1.06e-04	1.78e-05
2349	123	-9.84	4.07	-0.14	0.0	-5.47e-04	1.53e-04
2349	129	0.78	14.11	-0.71	0.0	-7.69e-06	4.38e-04
2349	155	-11.03	4.52	-0.12	0.0	-6.07e-04	1.71e-04
2349	161	0.91	15.89	-0.77	0.0	0.0	4.94e-04
2349	187	-10.86	4.68	-0.13	0.0	-5.97e-04	1.73e-04
2349	193	0.89	16.47	-0.79	0.0	-1.80e-06	5.03e-04
2349	219	-12.57	5.50	-0.11	0.0	-6.83e-04	2.04e-04
2349	225	1.09	19.69	-0.89	0.0	9.00e-06	5.99e-04
2349	264	-1.06	0.96	-0.29	0.0	-1.10e-04	-1.31e-04
2349	268	-0.38	1.49	-0.38	0.0	-8.50e-05	1.40e-05
2349	276	-0.32	1.66	-0.35	0.0	-7.45e-05	1.25e-05
2349	298	-0.32	0.81	-0.30	0.0	-6.95e-05	1.07e-05
2349	305	-0.44	0.79	-0.28	0.0	-7.30e-05	-1.84e-05
2349	307	-0.30	0.93	-0.29	0.0	-6.59e-05	1.03e-05
2349	310	-0.30	0.77	-0.28	0.0	-6.61e-05	1.01e-05
2350	44	-1.64	1.55	-0.42	0.0	-1.58e-04	-1.81e-04
2350	52	-0.60	2.38	-0.54	0.0	-1.23e-04	2.59e-05
2350	68	-0.52	2.64	-0.50	0.0	-1.07e-04	2.29e-05
2350	123	-10.11	4.31	-0.15	0.0	-5.29e-04	1.79e-04
2350	129	0.78	14.73	-0.73	0.0	-1.02e-05	4.50e-04
2350	155	-11.33	4.78	-0.13	0.0	-5.86e-04	2.00e-04
2350	161	0.91	16.58	-0.79	0.0	-3.34e-06	5.07e-04
2350	187	-11.15	4.94	-0.14	0.0	-5.76e-04	2.01e-04
2350	193	0.89	17.18	-0.80	0.0	-4.69e-06	5.16e-04
2350	219	-12.91	5.79	-0.12	0.0	-6.59e-04	2.37e-04
2350	225	1.09	20.53	-0.91	0.0	5.58e-06	6.14e-04
2350	264	-1.11	1.07	-0.30	0.0	-1.09e-04	-1.20e-04
2350	268	-0.42	1.63	-0.38	0.0	-8.57e-05	1.80e-05
2350	276	-0.36	1.81	-0.35	0.0	-7.52e-05	1.60e-05
2350	298	-0.35	0.92	-0.30	0.0	-7.00e-05	1.38e-05
2350	305	-0.48	0.88	-0.28	0.0	-7.33e-05	-1.39e-05
2350	307	-0.33	1.03	-0.29	0.0	-6.65e-05	1.32e-05
2350	310	-0.33	0.86	-0.29	0.0	-6.66e-05	1.30e-05
2351	44	-1.72	1.70	-0.42	0.0	-1.54e-04	-1.16e-04
2351	52	-0.67	2.58	-0.54	0.0	-1.25e-04	3.36e-05
2351	68	-0.57	2.84	-0.50	0.0	-1.09e-04	2.95e-05
2351	123	-10.37	4.55	-0.15	0.0	-5.03e-04	2.03e-04
2351	129	0.77	15.34	-0.75	0.0	-1.46e-05	4.56e-04
2351	155	-11.61	5.03	-0.13	0.0	-5.57e-04	2.27e-04
2351	161	0.91	17.25	-0.81	0.0	-8.20e-06	5.12e-04
2351	187	-11.43	5.20	-0.14	0.0	-5.48e-04	2.28e-04
2351	193	0.88	17.88	-0.82	0.0	-9.78e-06	5.21e-04
2351	219	-13.23	6.08	-0.12	0.0	-6.26e-04	2.67e-04
2351	225	1.09	21.35	-0.93	0.0	0.0	6.20e-04
2351	264	-1.17	1.18	-0.30	0.0	-1.06e-04	-7.62e-05
2351	268	-0.46	1.77	-0.38	0.0	-8.71e-05	2.33e-05
2351	276	-0.40	1.94	-0.36	0.0	-7.65e-05	2.06e-05

2351	298	-0.39	1.01	-0.30	0.0	-7.12e-05	1.81e-05
2351	305	-0.52	0.97	-0.29	0.0	-7.35e-05	-2.10e-06
2351	307	-0.36	1.13	-0.30	0.0	-6.76e-05	1.73e-05
2351	310	-0.37	0.96	-0.29	0.0	-6.77e-05	1.70e-05
2352	44	-1.80	1.76	-0.42	0.0	-1.44e-04	-3.71e-05
2352	52	-0.73	2.67	-0.54	0.0	-1.28e-04	4.50e-05
2352	68	-0.62	2.92	-0.50	0.0	-1.11e-04	3.93e-05
2352	123	-10.61	4.64	-0.15	0.0	-4.39e-04	1.73e-04
2352	129	0.76	15.60	-0.76	0.0	1.07e-04	4.63e-04
2352	155	-11.88	5.13	-0.14	0.0	-4.84e-04	1.93e-04
2352	161	0.90	17.54	-0.82	0.0	1.29e-04	5.20e-04
2352	187	-11.70	5.31	-0.15	0.0	-4.76e-04	1.94e-04
2352	193	0.88	18.18	-0.84	0.0	1.26e-04	5.29e-04
2352	219	-13.54	6.20	-0.13	0.0	-5.42e-04	2.27e-04
2352	225	1.09	21.70	-0.94	0.0	1.59e-04	6.28e-04
2352	264	-1.22	1.22	-0.30	0.0	-9.96e-05	-2.35e-05
2352	268	-0.51	1.83	-0.38	0.0	-8.89e-05	3.13e-05
2352	276	-0.44	2.00	-0.36	0.0	-7.79e-05	2.75e-05
2352	298	-0.42	1.05	-0.30	0.0	-7.26e-05	2.45e-05
2352	305	-0.55	1.01	-0.29	0.0	-7.32e-05	1.31e-05
2352	307	-0.40	1.17	-0.30	0.0	-6.89e-05	2.33e-05
2352	310	-0.40	1.00	-0.29	0.0	-6.91e-05	2.30e-05
2353	44	-1.47	1.26	-0.24	-2.24e-04	0.0	3.74e-05
2353	68	-0.42	2.63	-0.20	1.07e-03	0.0	0.0
2353	76	-0.56	1.24	-0.25	-6.50e-04	0.0	3.18e-05
2353	116	-13.04	2.82	-0.23	-2.07e-04	0.0	-3.68e-04
2353	139	-1.31	12.29	-0.05	-7.21e-05	0.0	1.58e-04
2353	144	-5.61	-9.47	-0.30	-2.19e-04	0.0	-1.94e-04
2353	148	-14.62	3.04	-0.24	-2.14e-04	0.0	-4.16e-04
2353	171	-1.42	13.78	-0.04	-6.38e-05	0.0	1.77e-04
2353	176	-6.29	-10.83	-0.32	-2.29e-04	0.0	-2.21e-04
2353	180	-14.50	2.86	-0.24	-2.02e-04	0.0	-4.17e-04
2353	203	-1.30	14.03	-0.04	-6.47e-05	0.0	1.82e-04
2353	208	-6.30	-11.12	-0.32	-2.27e-04	0.0	-2.25e-04
2353	212	-16.93	3.09	-0.25	-2.10e-04	0.0	-4.97e-04
2353	235	-1.41	16.49	-0.01	-5.24e-05	0.0	2.15e-04
2353	240	-7.34	-13.37	-0.35	-2.42e-04	0.0	-2.70e-04
2353	264	-1.00	0.88	-0.18	-1.57e-04	0.0	2.56e-05
2353	276	-0.29	1.79	-0.15	7.04e-04	0.0	1.18e-06
2353	280	-0.39	0.87	-0.18	-4.41e-04	0.0	2.19e-05
2353	298	-0.31	0.89	-0.17	-1.44e-04	0.0	1.43e-05
2353	305	-0.43	0.83	-0.16	-1.36e-04	0.0	1.54e-05
2353	307	-0.29	1.01	-0.16	3.60e-05	0.0	1.05e-05
2353	310	-0.30	0.85	-0.16	-1.37e-04	0.0	1.33e-05
2354	28	-1.11	1.39	-0.26	-2.60e-04	0.0	3.83e-05
2354	44	-1.44	1.14	-0.26	-2.25e-04	0.0	3.90e-05
2354	68	-0.40	3.30	-0.21	9.61e-04	0.0	-1.01e-04
2354	116	-12.86	2.89	-0.31	-2.02e-04	0.0	-3.83e-04
2354	139	-1.30	12.27	-0.06	-9.20e-05	0.0	1.13e-04
2354	144	-5.51	-9.59	-0.35	-1.99e-04	0.0	-1.49e-04
2354	148	-14.42	3.12	-0.33	-2.08e-04	0.0	-4.33e-04
2354	171	-1.41	13.77	-0.04	-8.63e-05	0.0	1.26e-04
2354	176	-6.18	-10.94	-0.37	-2.06e-04	0.0	-1.70e-04
2354	180	-14.30	2.94	-0.33	-1.95e-04	0.0	-4.32e-04
2354	203	-1.30	14.02	-0.04	-8.93e-05	0.0	1.28e-04
2354	208	-6.19	-11.23	-0.38	-2.02e-04	0.0	-1.70e-04
2354	212	-16.71	3.20	-0.36	-2.02e-04	0.0	-5.13e-04
2354	235	-1.41	16.49	-9.38e-03	-8.21e-05	0.0	1.49e-04
2354	240	-7.22	-13.49	-0.42	-2.12e-04	0.0	-2.04e-04
2354	256	-0.75	0.97	-0.19	-1.80e-04	0.0	2.62e-05
2354	264	-0.97	0.80	-0.19	-1.58e-04	0.0	2.66e-05
2354	276	-0.28	2.24	-0.16	6.33e-04	0.0	-6.69e-05
2354	298	-0.30	0.82	-0.17	-1.45e-04	0.0	1.62e-05
2354	305	-0.42	0.76	-0.17	-1.37e-04	0.0	1.71e-05
2354	307	-0.28	1.04	-0.17	2.11e-05	0.0	-1.61e-06
2354	310	-0.29	0.77	-0.17	-1.38e-04	0.0	1.49e-05
2355	28	-1.14	1.52	-0.26	-2.60e-04	0.0	3.51e-05
2355	44	-1.47	1.25	-0.26	-2.25e-04	0.0	3.73e-05
2355	68	-0.42	2.62	-0.21	1.22e-03	0.0	4.96e-05
2355	116	-13.03	2.90	-0.30	-3.28e-04	0.0	-3.67e-04
2355	139	-1.31	12.24	-0.05	-2.06e-05	0.0	1.62e-04
2355	144	-5.61	-9.42	-0.35	-2.77e-04	0.0	-1.97e-04
2355	148	-14.62	3.13	-0.32	-3.49e-04	0.0	-4.15e-04
2355	171	-1.41	13.72	-0.04	-5.18e-06	0.0	1.81e-04
2355	176	-6.29	-10.76	-0.37	-2.94e-04	0.0	-2.25e-04

2355	180	-14.49	2.95	-0.32	-3.33e-04	0.0	-4.16e-04
2355	203	-1.30	13.97	-0.03	-3.34e-06	0.0	1.87e-04
2355	208	-6.30	-11.05	-0.38	-2.95e-04	0.0	-2.29e-04
2355	212	-16.93	3.20	-0.35	-3.65e-04	0.0	-4.95e-04
2355	235	-1.41	16.42	-8.35e-03	2.12e-05	0.0	2.20e-04
2355	240	-7.34	-13.29	-0.41	-3.23e-04	0.0	-2.75e-04
2355	256	-0.78	1.06	-0.19	-1.80e-04	0.0	2.41e-05
2355	264	-1.00	0.88	-0.19	-1.58e-04	0.0	2.56e-05
2355	276	-0.29	1.79	-0.16	8.05e-04	0.0	3.38e-05
2355	298	-0.31	0.89	-0.17	-1.45e-04	0.0	1.40e-05
2355	305	-0.43	0.82	-0.17	-1.37e-04	0.0	1.52e-05
2355	307	-0.29	1.01	-0.17	5.55e-05	0.0	1.69e-05
2355	310	-0.30	0.84	-0.17	-1.38e-04	0.0	1.31e-05
2356	28	-0.76	0.77	-0.30	-2.94e-04	0.0	3.82e-05
2356	44	-1.06	0.61	-0.29	-2.50e-04	0.0	3.77e-05
2356	68	-0.20	2.24	-0.24	-1.13e-03	0.0	-2.96e-04
2356	116	-10.86	1.95	-0.35	-3.12e-04	0.0	-3.17e-04
2356	139	-1.12	10.52	-0.04	-1.11e-03	0.0	-1.51e-04
2356	144	-4.50	-8.70	-0.41	7.13e-04	0.0	1.28e-04
2356	148	-12.19	2.12	-0.37	-3.29e-04	0.0	-3.58e-04
2356	171	-1.23	11.83	-0.02	-1.23e-03	0.0	-1.71e-04
2356	176	-5.05	-9.90	-0.43	8.27e-04	0.0	1.42e-04
2356	180	-12.08	1.96	-0.37	-3.14e-04	0.0	-3.54e-04
2356	203	-1.14	12.06	-0.01	-1.25e-03	0.0	-1.61e-04
2356	208	-5.05	-10.16	-0.44	8.48e-04	0.0	1.33e-04
2356	212	-14.13	2.13	-0.41	-3.33e-04	0.0	-4.19e-04
2356	235	-1.26	14.23	0.02	-1.46e-03	0.0	-1.88e-04
2356	240	-5.91	-12.16	-0.49	1.04e-03	0.0	1.50e-04
2356	256	-0.52	0.53	-0.22	-2.03e-04	0.0	2.60e-05
2356	264	-0.72	0.43	-0.21	-1.75e-04	0.0	2.57e-05
2356	276	-0.14	1.51	-0.18	-7.64e-04	0.0	-1.97e-04
2356	298	-0.15	0.46	-0.19	-1.65e-04	0.0	1.69e-05
2356	305	-0.26	0.42	-0.19	-1.55e-04	0.0	1.75e-05
2356	307	-0.14	0.64	-0.18	-2.73e-04	0.0	-2.70e-05
2356	310	-0.15	0.44	-0.19	-1.56e-04	0.0	1.54e-05
2357	28	-0.80	0.93	-0.30	-2.92e-04	0.0	5.11e-05
2357	44	-1.11	0.74	-0.29	-2.49e-04	0.0	4.72e-05
2357	68	-0.22	2.82	-0.24	-1.06e-03	0.0	-5.38e-04
2357	116	-11.17	2.11	-0.35	-3.03e-04	0.0	-3.51e-04
2357	139	-1.15	11.09	-0.04	-1.08e-03	0.0	-1.90e-04
2357	144	-4.65	-9.07	-0.41	6.86e-04	0.0	1.68e-04
2357	148	-12.54	2.29	-0.37	-3.20e-04	0.0	-3.96e-04
2357	171	-1.25	12.47	-0.02	-1.20e-03	0.0	-2.15e-04
2357	176	-5.22	-10.33	-0.44	7.96e-04	0.0	1.85e-04
2357	180	-12.42	2.13	-0.37	-3.05e-04	0.0	-3.88e-04
2357	203	-1.16	12.72	-0.01	-1.22e-03	0.0	-2.01e-04
2357	208	-5.22	-10.60	-0.44	8.17e-04	0.0	1.74e-04
2357	212	-14.53	2.30	-0.41	-3.23e-04	0.0	-4.58e-04
2357	235	-1.28	14.99	0.02	-1.41e-03	0.0	-2.36e-04
2357	240	-6.10	-12.69	-0.49	9.99e-04	0.0	1.96e-04
2357	256	-0.54	0.64	-0.22	-2.02e-04	0.0	3.47e-05
2357	264	-0.75	0.52	-0.21	-1.74e-04	0.0	3.21e-05
2357	276	-0.15	1.90	-0.18	-7.14e-04	0.0	-3.58e-04
2357	298	-0.17	0.55	-0.19	-1.64e-04	0.0	2.45e-05
2357	305	-0.28	0.51	-0.19	-1.54e-04	0.0	2.43e-05
2357	307	-0.16	0.78	-0.18	-2.62e-04	0.0	-5.37e-05
2357	310	-0.16	0.52	-0.19	-1.55e-04	0.0	2.22e-05
2358	28	-0.83	1.08	-0.30	-2.91e-04	0.0	5.88e-05
2358	44	-1.14	0.88	-0.29	-2.49e-04	0.0	5.28e-05
2358	68	-0.23	3.37	-0.24	-1.05e-03	0.0	-6.90e-04
2358	116	-11.38	2.27	-0.35	-3.00e-04	0.0	-3.76e-04
2358	139	-1.17	11.66	-0.04	-1.07e-03	0.0	-2.44e-04
2358	144	-4.75	-9.42	-0.41	6.76e-04	0.0	2.22e-04
2358	148	-12.78	2.46	-0.37	-3.16e-04	0.0	-4.24e-04
2358	171	-1.28	13.10	-0.02	-1.18e-03	0.0	-2.77e-04
2358	176	-5.33	-10.74	-0.44	7.85e-04	0.0	2.46e-04
2358	180	-12.66	2.29	-0.37	-3.02e-04	0.0	-4.13e-04
2358	203	-1.18	13.35	-0.01	-1.20e-03	0.0	-2.65e-04
2358	208	-5.33	-11.02	-0.44	8.05e-04	0.0	2.37e-04
2358	212	-14.81	2.47	-0.41	-3.19e-04	0.0	-4.87e-04
2358	235	-1.30	15.73	0.02	-1.40e-03	0.0	-3.13e-04
2358	240	-6.23	-13.22	-0.49	9.86e-04	0.0	2.71e-04
2358	256	-0.56	0.75	-0.22	-2.02e-04	0.0	3.99e-05
2358	264	-0.77	0.61	-0.21	-1.74e-04	0.0	3.59e-05
2358	276	-0.16	2.28	-0.18	-7.11e-04	0.0	-4.59e-04

2358	298	-0.18	0.64	-0.19	-1.64e-04	0.0	2.90e-05
2358	305	-0.29	0.59	-0.19	-1.54e-04	0.0	2.84e-05
2358	307	-0.17	0.92	-0.18	-2.61e-04	0.0	-7.06e-05
2358	310	-0.17	0.60	-0.19	-1.55e-04	0.0	2.63e-05
2359	44	-1.27	0.83	-0.27	-2.16e-04	0.0	3.85e-05
2359	68	-0.31	2.97	-0.18	-1.29e-04	0.0	1.53e-03
2359	76	-0.42	0.57	-0.27	-2.80e-04	0.0	-4.31e-04
2359	116	-12.03	3.26	-0.31	-2.41e-04	0.0	-3.57e-04
2359	139	-1.22	11.25	0.13	-5.94e-04	0.0	7.33e-04
2359	144	-5.09	-8.86	-0.52	2.67e-04	0.0	-7.49e-04
2359	148	-13.50	3.56	-0.33	-2.53e-04	0.0	-4.04e-04
2359	171	-1.33	12.63	0.16	-6.54e-04	0.0	8.29e-04
2359	176	-5.71	-10.10	-0.57	3.19e-04	0.0	-8.49e-04
2359	180	-13.38	3.38	-0.33	-2.45e-04	0.0	-4.10e-04
2359	203	-1.23	12.84	0.17	-6.64e-04	0.0	8.51e-04
2359	208	-5.72	-10.35	-0.58	3.30e-04	0.0	-8.74e-04
2359	212	-15.64	3.75	-0.37	-2.59e-04	0.0	-4.93e-04
2359	235	-1.34	15.11	0.24	-7.62e-04	0.0	1.01e-03
2359	240	-6.67	-12.41	-0.65	4.17e-04	0.0	-1.04e-03
2359	264	-0.86	0.59	-0.19	-1.51e-04	0.0	2.70e-05
2359	276	-0.22	2.01	-0.14	-9.30e-05	0.0	1.02e-03
2359	280	-0.29	0.41	-0.20	-1.94e-04	0.0	-2.86e-04
2359	305	-0.35	0.59	-0.17	-1.32e-04	0.0	1.24e-05
2359	307	-0.22	0.87	-0.16	-1.20e-04	0.0	2.11e-04
2359	310	-0.23	0.61	-0.17	-1.32e-04	0.0	1.03e-05
2360	44	-1.39	0.96	-0.23	-2.19e-04	0.0	4.29e-05
2360	68	-0.38	3.69	-0.17	4.54e-04	0.0	1.34e-03
2360	92	-0.46	-0.16	-0.24	-5.65e-04	0.0	-6.32e-04
2360	116	-12.65	3.31	-0.01	-1.73e-04	0.0	-3.24e-04
2360	138	0.75	-10.53	-0.43	4.20e-05	0.0	-6.23e-04
2360	139	-1.29	11.90	0.11	-3.11e-04	0.0	6.49e-04
2360	148	-14.19	3.61	7.48e-03	-1.76e-04	0.0	-3.68e-04
2360	170	0.86	-11.99	-0.46	6.46e-05	0.0	-7.06e-04
2360	171	-1.40	13.36	0.15	-3.34e-04	0.0	7.33e-04
2360	180	-14.06	3.42	2.06e-03	-1.69e-04	0.0	-3.77e-04
2360	202	0.75	-12.22	-0.46	6.68e-05	0.0	-7.26e-04
2360	203	-1.29	13.58	0.15	-3.36e-04	0.0	7.52e-04
2360	212	-16.43	3.78	0.03	-1.72e-04	0.0	-4.55e-04
2360	234	0.86	-14.61	-0.52	1.04e-04	0.0	-8.66e-04
2360	235	-1.40	15.98	0.21	-3.73e-04	0.0	8.92e-04
2360	264	-0.94	0.68	-0.17	-1.53e-04	0.0	3.00e-05
2360	276	-0.27	2.50	-0.13	2.96e-04	0.0	8.98e-04
2360	288	-0.32	-0.07	-0.18	-3.84e-04	0.0	-4.20e-04
2360	298	-0.28	0.72	-0.16	-1.42e-04	0.0	1.33e-05
2360	305	-0.40	0.66	-0.16	-1.34e-04	0.0	1.55e-05
2360	307	-0.26	1.03	-0.15	-4.41e-05	0.0	1.89e-04
2360	310	-0.27	0.68	-0.16	-1.35e-04	0.0	1.34e-05
2361	28	-1.24	1.33	-0.79	-2.74e-04	0.0	5.17e-05
2361	44	-1.59	1.10	-0.73	-2.38e-04	0.0	4.08e-05
2361	68	-0.51	2.38	-0.69	-3.03e-04	0.0	3.83e-05
2361	115	-9.30	6.73	-0.90	-3.63e-04	0.0	-1.45e-04
2361	116	-10.53	2.29	-0.85	-1.67e-04	0.0	-3.57e-04
2361	139	-1.86	12.13	-0.62	-5.53e-04	0.0	-1.72e-04
2361	147	-10.40	7.48	-0.96	-3.91e-04	0.0	-1.64e-04
2361	148	-11.78	2.45	-0.91	-1.69e-04	0.0	-4.05e-04
2361	171	-2.04	13.62	-0.64	-6.06e-04	0.0	-1.96e-04
2361	179	-10.22	7.48	-0.95	-3.93e-04	0.0	-1.55e-04
2361	180	-11.63	2.28	-0.90	-1.64e-04	0.0	-4.01e-04
2361	203	-1.97	13.89	-0.64	-6.16e-04	0.0	-1.87e-04
2361	211	-11.85	8.70	-1.04	-4.40e-04	0.0	-1.81e-04
2361	212	-13.54	2.44	-0.98	-1.63e-04	0.0	-4.77e-04
2361	235	-2.23	16.35	-0.67	-7.05e-04	0.0	-2.22e-04
2361	256	-0.85	0.92	-0.55	-1.90e-04	0.0	3.42e-05
2361	264	-1.07	0.77	-0.51	-1.66e-04	0.0	2.69e-05
2361	276	-0.36	1.62	-0.49	-2.09e-04	0.0	2.53e-05
2361	298	-0.35	0.77	-0.44	-1.53e-04	0.0	2.71e-05
2361	305	-0.47	0.72	-0.43	-1.44e-04	0.0	2.54e-05
2361	307	-0.33	0.89	-0.42	-1.53e-04	0.0	2.50e-05
2361	310	-0.33	0.73	-0.42	-1.45e-04	0.0	2.32e-05
2362	28	-1.47	1.68	-0.40	0.0	-1.62e-04	6.64e-05
2362	44	-1.83	1.46	-0.38	0.0	-1.65e-04	6.09e-05
2362	68	-0.67	2.70	-0.35	0.0	-1.17e-04	5.44e-05
2362	123	-10.74	3.84	-0.48	0.0	-2.88e-04	2.24e-04
2362	127	-10.62	4.19	-0.48	0.0	-2.86e-04	1.67e-04
2362	137	1.11	14.10	-0.30	0.0	-3.14e-05	2.48e-04

2362	155	-12.02	4.24	-0.51	0.0	-3.15e-04	2.49e-04
2362	159	-11.88	4.63	-0.52	0.0	-3.13e-04	1.84e-04
2362	169	1.30	15.83	-0.31	0.0	-2.65e-05	2.75e-04
2362	187	-11.84	4.38	-0.51	0.0	-3.10e-04	2.49e-04
2362	191	-11.70	4.74	-0.51	0.0	-3.08e-04	1.82e-04
2362	201	1.27	16.22	-0.32	0.0	-2.71e-05	2.72e-04
2362	219	-13.69	5.11	-0.56	0.0	-3.49e-04	2.88e-04
2362	223	-13.53	5.47	-0.56	0.0	-3.47e-04	2.06e-04
2362	233	1.55	19.13	-0.34	0.0	-1.96e-05	3.13e-04
2362	256	-1.00	1.16	-0.28	0.0	-1.12e-04	4.61e-05
2362	264	-1.24	1.02	-0.27	0.0	-1.14e-04	4.25e-05
2362	276	-0.47	1.85	-0.25	0.0	-8.17e-05	3.81e-05
2362	298	-0.45	0.92	-0.23	0.0	-7.52e-05	3.44e-05
2362	305	-0.58	0.87	-0.22	0.0	-7.80e-05	3.35e-05
2362	307	-0.42	1.04	-0.22	0.0	-7.15e-05	3.27e-05
2362	310	-0.43	0.87	-0.22	0.0	-7.15e-05	3.26e-05
2363	44	-1.86	1.80	-0.42	0.0	-1.38e-04	2.92e-05
2363	52	-0.79	2.73	-0.55	0.0	-1.30e-04	5.58e-05
2363	68	-0.68	2.98	-0.51	0.0	-1.13e-04	4.87e-05
2363	123	-10.84	4.71	-0.15	0.0	-4.27e-04	1.11e-04
2363	129	0.75	15.77	-0.76	0.0	1.02e-04	4.72e-04
2363	155	-12.13	5.20	-0.14	0.0	-4.71e-04	1.22e-04
2363	161	0.89	17.74	-0.82	0.0	1.23e-04	5.30e-04
2363	187	-11.94	5.38	-0.15	0.0	-4.64e-04	1.27e-04
2363	193	0.87	18.38	-0.84	0.0	1.21e-04	5.38e-04
2363	219	-13.81	6.29	-0.13	0.0	-5.27e-04	1.48e-04
2363	225	1.08	21.94	-0.95	0.0	1.53e-04	6.38e-04
2363	264	-1.26	1.25	-0.30	0.0	-9.57e-05	2.10e-05
2363	268	-0.55	1.87	-0.38	0.0	-9.03e-05	3.88e-05
2363	276	-0.48	2.04	-0.36	0.0	-7.91e-05	3.41e-05
2363	298	-0.46	1.08	-0.30	0.0	-7.37e-05	3.05e-05
2363	305	-0.59	1.04	-0.29	0.0	-7.33e-05	2.64e-05
2363	307	-0.43	1.20	-0.30	0.0	-7.00e-05	2.90e-05
2363	310	-0.44	1.02	-0.29	0.0	-7.02e-05	2.88e-05
2364	44	-1.38	1.02	-0.49	0.0	-1.39e-04	-8.28e-06
2364	52	-0.42	1.70	-0.65	0.0	-1.29e-04	8.94e-06
2364	68	-0.35	1.98	-0.62	0.0	-1.13e-04	7.23e-06
2364	123	-9.27	3.53	-0.37	0.0	-5.92e-04	1.25e-04
2364	129	0.75	12.72	-1.29	0.0	-1.68e-05	3.80e-04
2364	155	-10.39	3.93	-0.38	0.0	-6.57e-04	1.41e-04
2364	161	0.87	14.34	-1.42	0.0	-1.04e-05	4.28e-04
2364	187	-10.22	4.08	-0.39	0.0	-6.46e-04	1.42e-04
2364	193	0.86	14.87	-1.46	0.0	-1.16e-05	4.35e-04
2364	219	-11.85	4.82	-0.42	0.0	-7.40e-04	1.68e-04
2364	225	1.04	17.80	-1.69	0.0	-1.94e-06	5.19e-04
2364	264	-0.93	0.71	-0.35	0.0	-9.67e-05	-5.27e-06
2364	268	-0.29	1.16	-0.46	0.0	-8.96e-05	6.21e-06
2364	276	-0.25	1.34	-0.44	0.0	-7.88e-05	5.07e-06
2364	298	-0.24	0.58	-0.35	0.0	-7.28e-05	5.02e-06
2364	305	-0.37	0.57	-0.33	0.0	-7.28e-05	2.57e-06
2364	307	-0.23	0.69	-0.34	0.0	-6.93e-05	4.63e-06
2364	310	-0.23	0.55	-0.33	0.0	-6.92e-05	4.65e-06
2365	44	-1.44	1.21	-0.51	0.0	-1.40e-04	-6.19e-05
2365	52	-0.49	1.94	-0.67	0.0	-1.28e-04	1.42e-05
2365	68	-0.41	2.21	-0.63	0.0	-1.12e-04	1.23e-05
2365	123	-9.58	3.81	-0.37	0.0	-5.83e-04	1.52e-04
2365	129	0.74	13.43	-1.27	0.0	-1.39e-05	4.10e-04
2365	155	-10.73	4.23	-0.37	0.0	-6.47e-04	1.70e-04
2365	161	0.87	15.13	-1.39	0.0	-7.24e-06	4.62e-04
2365	187	-10.56	4.39	-0.39	0.0	-6.36e-04	1.72e-04
2365	193	0.85	15.68	-1.43	0.0	-8.19e-06	4.71e-04
2365	219	-12.23	5.17	-0.41	0.0	-7.28e-04	2.03e-04
2365	225	1.05	18.76	-1.65	0.0	2.15e-06	5.61e-04
2365	264	-0.98	0.84	-0.36	0.0	-9.71e-05	-4.09e-05
2365	268	-0.34	1.33	-0.47	0.0	-8.90e-05	9.88e-06
2365	276	-0.29	1.51	-0.45	0.0	-7.82e-05	8.60e-06
2365	298	-0.28	0.70	-0.36	0.0	-7.24e-05	7.62e-06
2365	305	-0.40	0.68	-0.34	0.0	-7.26e-05	-2.66e-06
2365	307	-0.27	0.81	-0.36	0.0	-6.88e-05	7.23e-06
2365	310	-0.27	0.66	-0.34	0.0	-6.89e-05	7.11e-06
2366	44	-1.51	1.38	-0.51	0.0	-1.62e-04	-8.83e-05
2366	52	-0.55	2.17	-0.67	0.0	-1.28e-04	2.01e-05
2366	68	-0.47	2.44	-0.64	0.0	-1.12e-04	1.77e-05
2366	123	-9.89	4.08	-0.36	0.0	-5.71e-04	1.84e-04
2366	129	0.74	14.11	-1.23	0.0	-1.27e-05	4.32e-04

2366	155	-11.08	4.52	-0.36	0.0	-6.33e-04	2.06e-04
2366	161	0.87	15.89	-1.35	0.0	-5.72e-06	4.86e-04
2366	187	-10.90	4.68	-0.37	0.0	-6.23e-04	2.07e-04
2366	193	0.85	16.47	-1.39	0.0	-6.61e-06	4.95e-04
2366	219	-12.62	5.50	-0.39	0.0	-7.13e-04	2.44e-04
2366	225	1.05	19.69	-1.60	0.0	4.12e-06	5.90e-04
2366	264	-1.02	0.96	-0.37	0.0	-1.12e-04	-5.83e-05
2366	268	-0.39	1.49	-0.47	0.0	-8.94e-05	1.39e-05
2366	276	-0.33	1.66	-0.45	0.0	-7.85e-05	1.24e-05
2366	298	-0.32	0.81	-0.36	0.0	-7.29e-05	1.07e-05
2366	305	-0.44	0.79	-0.34	0.0	-7.59e-05	-3.92e-06
2366	307	-0.30	0.93	-0.36	0.0	-6.92e-05	1.02e-05
2366	310	-0.31	0.77	-0.35	0.0	-6.93e-05	1.00e-05
2367	44	-1.06	0.51	-0.22	-2.18e-04	0.0	2.37e-05
2367	68	-0.20	2.47	-0.16	-1.31e-03	0.0	6.93e-04
2367	76	-0.28	0.23	-0.24	7.06e-05	0.0	-1.98e-04
2367	116	-10.85	2.70	-1.83e-03	-3.96e-04	0.0	-2.63e-04
2367	138	0.82	-9.40	-0.40	9.17e-04	0.0	-3.72e-04
2367	139	-1.12	10.21	0.10	-1.18e-03	0.0	3.79e-04
2367	148	-12.18	2.96	0.02	-4.26e-04	0.0	-2.98e-04
2367	170	0.93	-10.67	-0.43	1.05e-03	0.0	-4.21e-04
2367	171	-1.23	11.48	0.13	-1.32e-03	0.0	4.28e-04
2367	180	-12.07	2.79	0.01	-4.08e-04	0.0	-3.06e-04
2367	202	0.84	-10.87	-0.44	1.07e-03	0.0	-4.33e-04
2367	203	-1.14	11.68	0.13	-1.34e-03	0.0	4.40e-04
2367	212	-14.11	3.11	0.04	-4.45e-04	0.0	-3.68e-04
2367	234	0.96	-12.96	-0.49	1.29e-03	0.0	-5.16e-04
2367	235	-1.26	13.77	0.19	-1.56e-03	0.0	5.23e-04
2367	264	-0.72	0.36	-0.16	-1.52e-04	0.0	1.63e-05
2367	276	-0.14	1.66	-0.12	-8.79e-04	0.0	4.62e-04
2367	280	-0.19	0.17	-0.17	3.99e-05	0.0	-1.31e-04
2367	298	-0.15	0.43	-0.15	-1.41e-04	0.0	3.47e-06
2367	305	-0.26	0.38	-0.15	-1.33e-04	0.0	5.71e-06
2367	307	-0.14	0.65	-0.14	-2.78e-04	0.0	9.49e-05
2367	310	-0.15	0.40	-0.15	-1.34e-04	0.0	3.67e-06
2368	44	-1.07	0.50	-0.26	-2.16e-04	0.0	2.26e-05
2368	68	-0.20	2.09	-0.17	-8.37e-04	0.0	7.10e-04
2368	76	-0.28	0.33	-0.26	-7.00e-05	0.0	-2.05e-04
2368	116	-10.85	2.78	-0.30	-3.60e-04	0.0	-2.65e-04
2368	139	-1.12	9.98	0.12	-9.69e-04	0.0	3.80e-04
2368	144	-4.50	-8.13	-0.49	5.85e-04	0.0	-4.01e-04
2368	148	-12.18	3.05	-0.31	-3.87e-04	0.0	-3.01e-04
2368	171	-1.23	11.22	0.16	-1.08e-03	0.0	4.30e-04
2368	176	-5.05	-9.25	-0.54	6.79e-04	0.0	-4.54e-04
2368	180	-12.07	2.89	-0.32	-3.72e-04	0.0	-3.09e-04
2368	203	-1.14	11.41	0.16	-1.09e-03	0.0	4.42e-04
2368	208	-5.05	-9.47	-0.54	6.99e-04	0.0	-4.68e-04
2368	212	-14.11	3.22	-0.35	-4.05e-04	0.0	-3.71e-04
2368	235	-1.26	13.45	0.23	-1.27e-03	0.0	5.25e-04
2368	240	-5.91	-11.33	-0.62	8.56e-04	0.0	-5.58e-04
2368	264	-0.72	0.35	-0.18	-1.51e-04	0.0	1.56e-05
2368	276	-0.14	1.41	-0.13	-5.65e-04	0.0	4.74e-04
2368	280	-0.19	0.24	-0.19	-5.36e-05	0.0	-1.36e-04
2368	305	-0.26	0.38	-0.16	-1.33e-04	0.0	4.94e-06
2368	307	-0.14	0.59	-0.15	-2.16e-04	0.0	9.66e-05
2368	310	-0.15	0.40	-0.16	-1.34e-04	0.0	2.90e-06
2369	44	-1.11	0.63	-0.22	-2.19e-04	0.0	2.56e-05
2369	68	-0.22	3.23	-0.17	-9.97e-04	0.0	1.26e-03
2369	76	-0.31	0.17	-0.24	-2.42e-05	0.0	-3.66e-04
2369	116	-11.13	2.91	-7.09e-03	-3.59e-04	0.0	-3.11e-04
2369	138	0.82	-9.90	-0.41	7.74e-04	0.0	-5.92e-04
2369	139	-1.14	10.85	0.10	-1.04e-03	0.0	5.99e-04
2369	148	-12.50	3.19	0.01	-3.84e-04	0.0	-3.52e-04
2369	170	0.92	-11.25	-0.44	8.92e-04	0.0	-6.71e-04
2369	171	-1.25	12.20	0.14	-1.16e-03	0.0	6.78e-04
2369	180	-12.39	3.02	5.31e-03	-3.68e-04	0.0	-3.60e-04
2369	202	0.83	-11.46	-0.45	9.08e-04	0.0	-6.89e-04
2369	203	-1.16	12.41	0.14	-1.18e-03	0.0	6.96e-04
2369	212	-14.48	3.35	0.03	-4.00e-04	0.0	-4.32e-04
2369	234	0.95	-13.67	-0.50	1.10e-03	0.0	-8.20e-04
2369	235	-1.28	14.62	0.19	-1.37e-03	0.0	8.27e-04
2369	264	-0.75	0.44	-0.16	-1.53e-04	0.0	1.78e-05
2369	276	-0.15	2.18	-0.12	-6.72e-04	0.0	8.38e-04
2369	280	-0.21	0.14	-0.17	-2.33e-05	0.0	-2.43e-04
2369	298	-0.17	0.50	-0.16	-1.41e-04	0.0	3.03e-06

2369	305	-0.28	0.46	-0.15	-1.34e-04	0.0	5.64e-06
2369	307	-0.16	0.80	-0.15	-2.37e-04	0.0	1.70e-04
2369	310	-0.16	0.48	-0.15	-1.34e-04	0.0	3.61e-06
2370	44	-1.06	0.59	-0.26	-2.42e-04	0.0	3.71e-05
2370	68	-0.20	2.37	-0.22	-1.35e-03	0.0	-2.99e-04
2370	76	-0.27	0.32	-0.27	4.58e-05	0.0	1.24e-04
2370	116	-10.86	2.06	-0.24	-3.38e-04	0.0	-3.19e-04
2370	139	-1.12	10.52	-0.04	-1.21e-03	0.0	-1.52e-04
2370	144	-4.50	-8.70	-0.32	8.16e-04	0.0	1.28e-04
2370	148	-12.19	2.24	-0.25	-3.59e-04	0.0	-3.60e-04
2370	171	-1.23	11.83	-0.03	-1.35e-03	0.0	-1.72e-04
2370	176	-5.05	-9.90	-0.34	9.42e-04	0.0	1.41e-04
2370	180	-12.08	2.08	-0.25	-3.42e-04	0.0	-3.56e-04
2370	203	-1.14	12.06	-0.02	-1.37e-03	0.0	-1.61e-04
2370	208	-5.05	-10.15	-0.35	9.65e-04	0.0	1.31e-04
2370	212	-14.13	2.26	-0.27	-3.65e-04	0.0	-4.21e-04
2370	235	-1.26	14.23	4.33e-03	-1.60e-03	0.0	-1.88e-04
2370	240	-5.91	-12.15	-0.38	1.17e-03	0.0	1.49e-04
2370	264	-0.72	0.42	-0.19	-1.69e-04	0.0	2.52e-05
2370	276	-0.14	1.60	-0.16	-9.06e-04	0.0	-1.99e-04
2370	280	-0.19	0.23	-0.19	2.29e-05	0.0	8.33e-05
2370	298	-0.15	0.46	-0.17	-1.58e-04	0.0	1.64e-05
2370	305	-0.26	0.42	-0.17	-1.49e-04	0.0	1.70e-05
2370	307	-0.14	0.65	-0.17	-2.96e-04	0.0	-2.77e-05
2370	310	-0.15	0.43	-0.17	-1.49e-04	0.0	1.49e-05
2371	43	-1.52	0.88	-0.90	-1.84e-04	0.0	5.79e-05
2371	52	-0.54	2.00	-1.15	-2.79e-04	0.0	6.29e-05
2371	68	-0.44	2.28	-1.05	-2.75e-04	0.0	6.36e-05
2371	116	-10.49	3.25	-0.51	-2.12e-04	0.0	-2.88e-04
2371	139	-1.83	11.46	-0.82	-5.37e-04	0.0	3.16e-04
2371	141	3.90	10.28	-0.88	-4.83e-04	0.0	3.58e-04
2371	148	-11.75	3.54	-0.50	-2.22e-04	0.0	-3.30e-04
2371	171	-2.01	12.86	-0.85	-5.90e-04	0.0	3.54e-04
2371	173	4.42	11.54	-0.91	-5.29e-04	0.0	4.02e-04
2371	180	-11.60	3.36	-0.50	-2.15e-04	0.0	-3.36e-04
2371	203	-1.94	13.07	-0.86	-5.98e-04	0.0	3.64e-04
2371	205	4.39	11.80	-0.92	-5.39e-04	0.0	4.12e-04
2371	212	-13.50	3.71	-0.47	-2.25e-04	0.0	-4.07e-04
2371	235	-2.19	15.37	-0.90	-6.86e-04	0.0	4.27e-04
2371	237	5.18	13.89	-0.97	-6.17e-04	0.0	4.85e-04
2371	263	-1.03	0.62	-0.64	-1.30e-04	0.0	4.14e-05
2371	268	-0.37	1.37	-0.80	-1.93e-04	0.0	4.47e-05
2371	276	-0.30	1.55	-0.73	-1.90e-04	0.0	4.52e-05
2371	298	-0.32	0.73	-0.65	-1.34e-04	0.0	3.06e-05
2371	305	-0.44	0.67	-0.62	-1.27e-04	0.0	3.26e-05
2371	307	-0.30	0.84	-0.63	-1.36e-04	0.0	3.10e-05
2371	310	-0.30	0.69	-0.62	-1.28e-04	0.0	3.04e-05
2372	44	-1.11	0.72	-0.26	-2.41e-04	0.0	4.68e-05
2372	68	-0.22	3.05	-0.22	-1.21e-03	0.0	-5.17e-04
2372	76	-0.30	0.30	-0.27	4.65e-06	0.0	2.06e-04
2372	116	-11.16	2.23	-0.24	-3.21e-04	0.0	-3.50e-04
2372	139	-1.15	11.14	-0.04	-1.14e-03	0.0	-1.85e-04
2372	144	-4.65	-9.11	-0.33	7.52e-04	0.0	1.63e-04
2372	148	-12.53	2.42	-0.25	-3.40e-04	0.0	-3.95e-04
2372	171	-1.25	12.52	-0.03	-1.27e-03	0.0	-2.10e-04
2372	176	-5.22	-10.37	-0.35	8.70e-04	0.0	1.80e-04
2372	180	-12.42	2.25	-0.26	-3.24e-04	0.0	-3.87e-04
2372	203	-1.16	12.76	-0.02	-1.29e-03	0.0	-1.96e-04
2372	208	-5.22	-10.64	-0.35	8.92e-04	0.0	1.68e-04
2372	212	-14.52	2.45	-0.27	-3.45e-04	0.0	-4.57e-04
2372	235	-1.28	15.05	3.83e-03	-1.50e-03	0.0	-2.29e-04
2372	240	-6.10	-12.75	-0.38	1.09e-03	0.0	1.89e-04
2372	264	-0.75	0.51	-0.19	-1.69e-04	0.0	3.18e-05
2372	276	-0.15	2.06	-0.16	-8.14e-04	0.0	-3.44e-04
2372	280	-0.21	0.23	-0.19	-4.52e-06	0.0	1.38e-04
2372	298	-0.17	0.54	-0.18	-1.58e-04	0.0	2.41e-05
2372	305	-0.28	0.50	-0.17	-1.49e-04	0.0	2.40e-05
2372	307	-0.16	0.81	-0.17	-2.78e-04	0.0	-5.12e-05
2372	310	-0.16	0.51	-0.17	-1.49e-04	0.0	2.19e-05
2373	44	-1.14	0.85	-0.26	-2.41e-04	0.0	5.39e-05
2373	68	-0.23	3.66	-0.22	-1.17e-03	0.0	-5.62e-04
2373	76	-0.32	0.31	-0.27	-5.77e-06	0.0	2.31e-04
2373	116	-11.37	2.40	-0.25	-3.14e-04	0.0	-3.58e-04
2373	139	-1.16	11.73	-0.04	-1.11e-03	0.0	-1.96e-04
2373	144	-4.75	-9.49	-0.33	7.25e-04	0.0	1.81e-04

2373	148	-12.76	2.60	-0.26	-3.32e-04	0.0	-4.05e-04
2373	171	-1.27	13.18	-0.03	-1.23e-03	0.0	-2.23e-04
2373	176	-5.33	-10.82	-0.35	8.39e-04	0.0	1.99e-04
2373	180	-12.65	2.42	-0.26	-3.17e-04	0.0	-3.96e-04
2373	203	-1.18	13.43	-0.02	-1.25e-03	0.0	-2.09e-04
2373	208	-5.33	-11.10	-0.35	8.61e-04	0.0	1.87e-04
2373	212	-14.79	2.63	-0.28	-3.37e-04	0.0	-4.69e-04
2373	235	-1.30	15.83	4.16e-03	-1.46e-03	0.0	-2.45e-04
2373	240	-6.23	-13.30	-0.39	1.05e-03	0.0	2.11e-04
2373	264	-0.77	0.60	-0.19	-1.68e-04	0.0	3.66e-05
2373	276	-0.16	2.47	-0.16	-7.90e-04	0.0	-3.74e-04
2373	280	-0.22	0.24	-0.19	-1.15e-05	0.0	1.54e-04
2373	298	-0.18	0.63	-0.18	-1.58e-04	0.0	2.99e-05
2373	305	-0.29	0.57	-0.17	-1.48e-04	0.0	2.92e-05
2373	307	-0.17	0.95	-0.17	-2.73e-04	0.0	-5.29e-05
2373	310	-0.17	0.59	-0.17	-1.49e-04	0.0	2.71e-05
2374	43	-1.50	0.80	-0.70	-1.96e-04	0.0	3.27e-05
2374	52	-0.54	1.88	-0.94	-2.93e-04	0.0	3.14e-05
2374	68	-0.44	2.16	-0.85	-2.85e-04	0.0	3.67e-05
2374	116	-10.26	3.05	-0.14	-2.29e-04	0.0	-2.94e-04
2374	125	9.37	3.90	-0.94	-2.47e-04	0.0	8.20e-05
2374	139	-1.81	11.34	-0.60	-6.08e-04	0.0	3.26e-04
2374	148	-11.49	3.33	-0.09	-2.40e-04	0.0	-3.34e-04
2374	157	10.57	4.32	-1.00	-2.62e-04	0.0	9.13e-05
2374	171	-1.99	12.73	-0.61	-6.70e-04	0.0	3.67e-04
2374	180	-11.34	3.15	-0.10	-2.32e-04	0.0	-3.42e-04
2374	189	10.41	4.39	-0.99	-2.66e-04	0.0	9.57e-05
2374	203	-1.92	12.95	-0.62	-6.80e-04	0.0	3.78e-04
2374	212	-13.20	3.47	-0.02	-2.43e-04	0.0	-4.11e-04
2374	221	12.15	5.09	-1.07	-2.91e-04	0.0	1.13e-04
2374	235	-2.17	15.24	-0.64	-7.81e-04	0.0	4.47e-04
2374	263	-1.01	0.57	-0.50	-1.38e-04	0.0	2.37e-05
2374	268	-0.38	1.28	-0.65	-2.03e-04	0.0	2.28e-05
2374	276	-0.31	1.47	-0.60	-1.97e-04	0.0	2.64e-05
2374	298	-0.33	0.67	-0.53	-1.42e-04	0.0	1.33e-05
2374	305	-0.44	0.61	-0.51	-1.35e-04	0.0	1.61e-05
2374	307	-0.30	0.78	-0.52	-1.43e-04	0.0	1.47e-05
2374	310	-0.31	0.63	-0.51	-1.35e-04	0.0	1.41e-05
2375	43	-1.52	0.90	-0.71	-1.90e-04	0.0	4.57e-05
2375	52	-0.54	2.02	-0.94	-2.85e-04	0.0	4.68e-05
2375	68	-0.44	2.31	-0.86	-2.79e-04	0.0	4.90e-05
2375	116	-10.49	3.15	-0.14	-1.95e-04	0.0	-3.02e-04
2375	125	9.60	4.01	-0.95	-2.14e-04	0.0	7.95e-05
2375	139	-1.83	11.61	-0.60	-4.97e-04	0.0	3.00e-04
2375	148	-11.75	3.43	-0.10	-2.02e-04	0.0	-3.44e-04
2375	157	10.83	4.45	-1.00	-2.25e-04	0.0	8.74e-05
2375	171	-2.01	13.02	-0.62	-5.45e-04	0.0	3.37e-04
2375	180	-11.60	3.25	-0.10	-1.96e-04	0.0	-3.50e-04
2375	189	10.66	4.52	-1.00	-2.28e-04	0.0	9.15e-05
2375	203	-1.94	13.25	-0.62	-5.53e-04	0.0	3.46e-04
2375	212	-13.50	3.58	-0.03	-2.02e-04	0.0	-4.22e-04
2375	221	12.45	5.23	-1.08	-2.47e-04	0.0	1.06e-04
2375	235	-2.19	15.58	-0.65	-6.31e-04	0.0	4.08e-04
2375	263	-1.03	0.63	-0.50	-1.34e-04	0.0	3.26e-05
2375	268	-0.37	1.38	-0.66	-1.97e-04	0.0	3.34e-05
2375	276	-0.31	1.57	-0.61	-1.93e-04	0.0	3.49e-05
2375	298	-0.32	0.74	-0.54	-1.38e-04	0.0	2.20e-05
2375	305	-0.44	0.68	-0.51	-1.30e-04	0.0	2.42e-05
2375	307	-0.30	0.85	-0.52	-1.39e-04	0.0	2.27e-05
2375	310	-0.30	0.70	-0.52	-1.31e-04	0.0	2.20e-05
2376	44	-1.44	1.12	-0.26	-2.24e-04	0.0	3.62e-05
2376	68	-0.40	3.29	-0.21	1.32e-03	0.0	4.21e-05
2376	76	-0.54	0.86	-0.27	-7.27e-04	0.0	1.74e-05
2376	116	-12.86	3.00	-0.26	-3.31e-04	0.0	-3.56e-04
2376	139	-1.30	12.19	-0.03	0.0	0.0	1.76e-04
2376	144	-5.51	-9.50	-0.36	-3.43e-04	0.0	-2.08e-04
2376	148	-14.42	3.25	-0.27	-3.52e-04	0.0	-4.03e-04
2376	171	-1.41	13.68	-0.01	1.84e-05	0.0	1.97e-04
2376	176	-6.18	-10.85	-0.38	-3.69e-04	0.0	-2.37e-04
2376	180	-14.30	3.07	-0.27	-3.35e-04	0.0	-4.05e-04
2376	203	-1.29	13.93	-7.45e-03	2.11e-05	0.0	2.03e-04
2376	208	-6.19	-11.13	-0.39	-3.63e-04	0.0	-2.42e-04
2376	212	-16.70	3.35	-0.29	-3.67e-04	0.0	-4.82e-04
2376	235	-1.41	16.37	0.02	5.04e-05	0.0	2.40e-04
2376	240	-7.22	-13.37	-0.43	-4.03e-04	0.0	-2.90e-04

2376	264	-0.97	0.79	-0.19	-1.57e-04	0.0	2.48e-05
2376	276	-0.28	2.23	-0.16	8.72e-04	0.0	2.87e-05
2376	280	-0.37	0.61	-0.20	-4.92e-04	0.0	1.23e-05
2376	298	-0.30	0.81	-0.18	-1.45e-04	0.0	1.33e-05
2376	305	-0.42	0.75	-0.18	-1.37e-04	0.0	1.46e-05
2376	307	-0.28	1.04	-0.17	6.92e-05	0.0	1.53e-05
2376	310	-0.29	0.77	-0.18	-1.37e-04	0.0	1.24e-05
2377	44	-1.27	0.61	-0.88	0.0	-1.42e-04	2.93e-05
2377	52	-0.37	1.55	-0.98	0.0	-9.98e-05	1.88e-05
2377	68	-0.31	1.84	-0.89	0.0	-8.60e-05	1.59e-05
2377	116	-10.62	3.03	-0.71	0.0	-7.91e-04	-3.52e-04
2377	119	-9.38	7.09	-0.78	0.0	-6.92e-04	-1.98e-04
2377	139	-1.55	10.11	-0.75	0.0	-1.32e-04	9.83e-05
2377	148	-11.91	3.32	-0.73	0.0	-8.82e-04	-3.97e-04
2377	151	-10.50	7.92	-0.81	0.0	-7.70e-04	-2.23e-04
2377	171	-1.70	11.36	-0.77	0.0	-1.40e-04	1.10e-04
2377	180	-11.78	3.16	-0.73	0.0	-8.72e-04	-3.96e-04
2377	183	-10.34	7.86	-0.80	0.0	-7.57e-04	-2.18e-04
2377	203	-1.62	11.55	-0.77	0.0	-1.33e-04	1.13e-04
2377	212	-13.74	3.52	-0.76	0.0	-1.01e-03	-4.70e-04
2377	215	-12.02	9.13	-0.84	0.0	-8.73e-04	-2.57e-04
2377	235	-1.83	13.60	-0.81	0.0	-1.43e-04	1.33e-04
2377	264	-0.86	0.43	-0.62	0.0	-9.80e-05	1.98e-05
2377	268	-0.26	1.05	-0.68	0.0	-6.97e-05	1.29e-05
2377	276	-0.22	1.25	-0.62	0.0	-6.05e-05	1.09e-05
2377	298	-0.22	0.51	-0.58	0.0	-5.85e-05	9.98e-06
2377	305	-0.34	0.46	-0.56	0.0	-6.27e-05	1.12e-05
2377	307	-0.21	0.62	-0.56	0.0	-5.51e-05	9.47e-06
2377	310	-0.21	0.48	-0.56	0.0	-5.59e-05	9.07e-06
2378	43	-1.50	0.82	-0.61	-2.05e-04	0.0	3.09e-05
2378	52	-0.54	1.89	-0.85	-3.03e-04	0.0	2.92e-05
2378	68	-0.44	2.18	-0.77	-2.93e-04	0.0	3.48e-05
2378	116	-10.26	2.96	0.18	-2.24e-04	0.0	-2.97e-04
2378	121	9.57	2.92	-1.15	-2.19e-04	0.0	1.04e-04
2378	139	-1.81	11.50	-0.49	-6.01e-04	0.0	3.20e-04
2378	148	-11.49	3.22	0.26	-2.33e-04	0.0	-3.37e-04
2378	153	10.80	3.22	-1.24	-2.30e-04	0.0	1.17e-04
2378	171	-1.99	12.91	-0.49	-6.61e-04	0.0	3.60e-04
2378	180	-11.34	3.04	0.25	-2.25e-04	0.0	-3.45e-04
2378	185	10.65	3.28	-1.23	-2.33e-04	0.0	1.23e-04
2378	203	-1.92	13.14	-0.50	-6.71e-04	0.0	3.71e-04
2378	212	-13.20	3.35	0.38	-2.35e-04	0.0	-4.14e-04
2378	217	12.44	3.80	-1.35	-2.53e-04	0.0	1.48e-04
2378	235	-2.17	15.46	-0.52	-7.70e-04	0.0	4.39e-04
2378	263	-1.01	0.58	-0.43	-1.44e-04	0.0	2.24e-05
2378	268	-0.38	1.29	-0.59	-2.09e-04	0.0	2.13e-05
2378	276	-0.31	1.49	-0.55	-2.03e-04	0.0	2.50e-05
2378	298	-0.33	0.67	-0.48	-1.48e-04	0.0	1.21e-05
2378	305	-0.44	0.62	-0.45	-1.40e-04	0.0	1.50e-05
2378	307	-0.30	0.79	-0.47	-1.48e-04	0.0	1.36e-05
2378	310	-0.31	0.64	-0.46	-1.40e-04	0.0	1.29e-05
2379	43	-1.52	0.92	-0.61	-1.95e-04	0.0	4.29e-05
2379	52	-0.54	2.04	-0.85	-2.90e-04	0.0	4.33e-05
2379	68	-0.44	2.33	-0.78	-2.81e-04	0.0	4.58e-05
2379	116	-10.49	3.06	0.17	-1.82e-04	0.0	-3.06e-04
2379	121	9.81	3.03	-1.15	-1.97e-04	0.0	1.10e-04
2379	139	-1.83	11.75	-0.49	-4.67e-04	0.0	2.96e-04
2379	148	-11.75	3.32	0.25	-1.87e-04	0.0	-3.48e-04
2379	153	11.07	3.34	-1.23	-2.06e-04	0.0	1.22e-04
2379	171	-2.01	13.19	-0.50	-5.10e-04	0.0	3.32e-04
2379	180	-11.60	3.14	0.24	-1.81e-04	0.0	-3.54e-04
2379	185	10.91	3.39	-1.22	-2.10e-04	0.0	1.29e-04
2379	203	-1.94	13.42	-0.51	-5.17e-04	0.0	3.42e-04
2379	212	-13.50	3.45	0.37	-1.85e-04	0.0	-4.26e-04
2379	217	12.75	3.92	-1.35	-2.26e-04	0.0	1.53e-04
2379	235	-2.19	15.78	-0.52	-5.89e-04	0.0	4.03e-04
2379	263	-1.03	0.65	-0.43	-1.37e-04	0.0	3.07e-05
2379	268	-0.37	1.40	-0.59	-2.00e-04	0.0	3.09e-05
2379	276	-0.31	1.59	-0.55	-1.95e-04	0.0	3.25e-05
2379	298	-0.32	0.75	-0.49	-1.41e-04	0.0	2.01e-05
2379	305	-0.44	0.69	-0.46	-1.33e-04	0.0	2.23e-05
2379	307	-0.30	0.86	-0.47	-1.41e-04	0.0	2.09e-05
2379	310	-0.30	0.71	-0.47	-1.34e-04	0.0	2.02e-05
2380	44	-1.35	0.71	-0.88	0.0	-1.44e-04	3.40e-05
2380	52	-0.42	1.69	-0.98	0.0	-1.02e-04	2.46e-05

2380	68	-0.36	1.97	-0.89	0.0	-8.76e-05	2.10e-05
2380	116	-11.02	3.17	-0.72	0.0	-6.70e-04	-3.65e-04
2380	119	-9.73	7.35	-0.78	0.0	-5.84e-04	-2.03e-04
2380	139	-1.62	10.47	-0.75	0.0	-1.15e-04	1.09e-04
2380	148	-12.35	3.47	-0.74	0.0	-7.46e-04	-4.13e-04
2380	151	-10.89	8.20	-0.81	0.0	-6.48e-04	-2.29e-04
2380	171	-1.77	11.75	-0.77	0.0	-1.21e-04	1.22e-04
2380	180	-12.21	3.30	-0.73	0.0	-7.38e-04	-4.12e-04
2380	183	-10.72	8.15	-0.80	0.0	-6.37e-04	-2.24e-04
2380	203	-1.69	11.95	-0.77	0.0	-1.15e-04	1.26e-04
2380	212	-14.25	3.67	-0.76	0.0	-8.54e-04	-4.89e-04
2380	215	-12.46	9.46	-0.85	0.0	-7.34e-04	-2.64e-04
2380	235	-1.90	14.06	-0.81	0.0	-1.21e-04	1.48e-04
2380	264	-0.91	0.50	-0.62	0.0	-9.91e-05	2.31e-05
2380	268	-0.30	1.15	-0.69	0.0	-7.10e-05	1.68e-05
2380	276	-0.25	1.34	-0.63	0.0	-6.16e-05	1.44e-05
2380	298	-0.25	0.58	-0.58	0.0	-5.95e-05	1.31e-05
2380	305	-0.37	0.52	-0.56	0.0	-6.37e-05	1.42e-05
2380	307	-0.24	0.69	-0.56	0.0	-5.62e-05	1.25e-05
2380	310	-0.24	0.54	-0.56	0.0	-5.69e-05	1.20e-05
2381	28	-0.98	1.04	-0.44	0.0	-1.27e-04	3.45e-05
2381	44	-1.30	0.81	-0.42	0.0	-1.38e-04	3.86e-05
2381	68	-0.32	2.11	-0.33	0.0	-7.64e-05	2.53e-05
2381	116	-12.02	3.29	-0.49	0.0	-7.15e-04	2.68e-05
2381	139	-1.31	10.79	0.02	0.0	-6.37e-05	2.05e-04
2381	144	-5.07	-8.43	-0.64	0.0	-3.67e-04	-8.41e-05
2381	148	-13.48	3.60	-0.52	0.0	-7.98e-04	2.71e-05
2381	171	-1.42	12.11	0.06	0.0	-6.38e-05	2.29e-04
2381	176	-5.68	-9.61	-0.69	0.0	-4.08e-04	-9.68e-05
2381	180	-13.36	3.43	-0.52	0.0	-7.92e-04	1.65e-05
2381	203	-1.32	12.31	0.07	0.0	-5.57e-05	2.29e-04
2381	208	-5.68	-9.85	-0.70	0.0	-4.10e-04	-1.00e-04
2381	212	-15.61	3.81	-0.57	0.0	-9.19e-04	1.28e-05
2381	235	-1.46	14.48	0.13	0.0	-5.19e-05	2.68e-04
2381	240	-6.63	-11.81	-0.78	0.0	-4.73e-04	-1.22e-04
2381	256	-0.66	0.72	-0.31	0.0	-8.78e-05	2.37e-05
2381	264	-0.88	0.57	-0.30	0.0	-9.51e-05	2.65e-05
2381	276	-0.23	1.43	-0.23	0.0	-5.38e-05	1.76e-05
2381	298	-0.24	0.64	-0.26	0.0	-5.41e-05	1.27e-05
2381	305	-0.36	0.58	-0.26	0.0	-5.89e-05	1.44e-05
2381	307	-0.23	0.75	-0.24	0.0	-5.07e-05	1.27e-05
2381	310	-0.23	0.60	-0.25	0.0	-5.17e-05	1.19e-05
2382	28	-1.04	1.16	-0.44	0.0	-1.25e-04	1.57e-05
2382	44	-1.37	0.91	-0.42	0.0	-1.36e-04	1.79e-05
2382	68	-0.36	2.24	-0.33	0.0	-7.52e-05	1.34e-05
2382	116	-12.36	3.42	-0.49	0.0	-6.35e-04	-3.28e-04
2382	139	-1.34	11.11	0.02	0.0	-5.14e-05	1.44e-04
2382	144	-5.25	-8.59	-0.64	0.0	-3.40e-04	-1.82e-04
2382	148	-13.87	3.74	-0.52	0.0	-7.07e-04	-3.70e-04
2382	171	-1.45	12.47	0.06	0.0	-5.01e-05	1.63e-04
2382	176	-5.88	-9.80	-0.69	0.0	-3.77e-04	-2.07e-04
2382	180	-13.74	3.56	-0.53	0.0	-7.02e-04	-3.71e-04
2382	203	-1.35	12.67	0.07	0.0	-4.26e-05	1.68e-04
2382	208	-5.88	-10.05	-0.70	0.0	-3.79e-04	-2.11e-04
2382	212	-16.05	3.95	-0.58	0.0	-8.15e-04	-4.41e-04
2382	235	-1.48	14.90	0.13	0.0	-3.71e-05	1.99e-04
2382	240	-6.86	-12.06	-0.79	0.0	-4.37e-04	-2.52e-04
2382	256	-0.71	0.81	-0.31	0.0	-8.63e-05	1.07e-05
2382	264	-0.92	0.64	-0.30	0.0	-9.34e-05	1.22e-05
2382	276	-0.25	1.53	-0.24	0.0	-5.29e-05	9.15e-06
2382	298	-0.27	0.71	-0.26	0.0	-5.32e-05	4.80e-06
2382	305	-0.39	0.64	-0.26	0.0	-5.79e-05	5.74e-06
2382	307	-0.25	0.82	-0.25	0.0	-4.98e-05	5.14e-06
2382	310	-0.26	0.67	-0.25	0.0	-5.09e-05	4.38e-06
2383	28	-1.00	1.04	-0.52	0.0	-1.22e-04	3.48e-05
2383	44	-1.32	0.81	-0.49	0.0	-1.32e-04	3.91e-05
2383	68	-0.34	2.11	-0.42	0.0	-7.36e-05	2.53e-05
2383	116	-11.98	3.29	-0.46	0.0	-6.15e-04	2.74e-05
2383	139	-1.38	10.79	-0.14	0.0	-6.17e-05	2.11e-04
2383	144	-5.04	-8.43	-0.53	0.0	-3.21e-04	-9.92e-05
2383	148	-13.43	3.60	-0.48	0.0	-6.86e-04	2.80e-05
2383	171	-1.51	12.11	-0.12	0.0	-6.20e-05	2.37e-04
2383	176	-5.64	-9.61	-0.56	0.0	-3.55e-04	-1.14e-04
2383	180	-13.31	3.43	-0.48	0.0	-6.80e-04	1.88e-05
2383	203	-1.41	12.31	-0.12	0.0	-5.51e-05	2.37e-04

2383	208	-5.64	-9.85	-0.57	0.0	-3.57e-04	-1.17e-04
2383	212	-15.54	3.81	-0.51	0.0	-7.89e-04	1.62e-05
2383	235	-1.56	14.48	-0.08	0.0	-5.22e-05	2.78e-04
2383	240	-6.58	-11.81	-0.62	0.0	-4.12e-04	-1.42e-04
2383	256	-0.68	0.72	-0.37	0.0	-8.40e-05	2.39e-05
2383	264	-0.89	0.57	-0.34	0.0	-9.07e-05	2.68e-05
2383	276	-0.24	1.43	-0.30	0.0	-5.18e-05	1.76e-05
2383	298	-0.25	0.64	-0.31	0.0	-5.20e-05	1.28e-05
2383	305	-0.36	0.58	-0.30	0.0	-5.65e-05	1.46e-05
2383	307	-0.23	0.75	-0.30	0.0	-4.87e-05	1.28e-05
2383	310	-0.24	0.60	-0.30	0.0	-4.97e-05	1.21e-05
2384	28	-1.06	1.16	-0.53	0.0	-1.23e-04	3.01e-05
2384	44	-1.38	0.91	-0.49	0.0	-1.33e-04	3.36e-05
2384	68	-0.37	2.24	-0.43	0.0	-7.46e-05	2.29e-05
2384	116	-12.25	3.42	-0.46	0.0	-5.33e-04	-2.55e-04
2384	139	-1.41	11.11	-0.14	0.0	-4.83e-05	1.48e-04
2384	144	-5.18	-8.59	-0.54	0.0	-2.96e-04	-1.36e-04
2384	148	-13.74	3.74	-0.48	0.0	-5.93e-04	-2.88e-04
2384	171	-1.54	12.47	-0.12	0.0	-4.70e-05	1.66e-04
2384	176	-5.81	-9.80	-0.57	0.0	-3.27e-04	-1.55e-04
2384	180	-13.61	3.56	-0.48	0.0	-5.89e-04	-2.88e-04
2384	203	-1.43	12.67	-0.12	0.0	-4.06e-05	1.70e-04
2384	208	-5.81	-10.05	-0.57	0.0	-3.29e-04	-1.59e-04
2384	212	-15.90	3.95	-0.52	0.0	-6.83e-04	-3.44e-04
2384	235	-1.58	14.90	-0.08	0.0	-3.55e-05	2.00e-04
2384	240	-6.77	-12.06	-0.63	0.0	-3.79e-04	-1.91e-04
2384	256	-0.72	0.81	-0.37	0.0	-8.49e-05	2.07e-05
2384	264	-0.94	0.64	-0.35	0.0	-9.16e-05	2.30e-05
2384	276	-0.26	1.53	-0.30	0.0	-5.25e-05	1.59e-05
2384	298	-0.28	0.71	-0.31	0.0	-5.27e-05	1.11e-05
2384	305	-0.39	0.64	-0.31	0.0	-5.72e-05	1.26e-05
2384	307	-0.26	0.82	-0.30	0.0	-4.93e-05	1.11e-05
2384	310	-0.26	0.67	-0.30	0.0	-5.03e-05	1.04e-05
2385	28	-1.01	1.04	-0.60	0.0	-1.23e-04	3.41e-05
2385	44	-1.34	0.81	-0.55	0.0	-1.32e-04	3.85e-05
2385	68	-0.35	2.11	-0.51	0.0	-7.48e-05	2.45e-05
2385	116	-11.90	3.29	-0.45	0.0	-5.83e-04	-2.39e-04
2385	139	-1.45	10.79	-0.27	0.0	-6.60e-05	1.39e-04
2385	144	-5.00	-8.43	-0.47	0.0	-3.04e-04	-1.17e-04
2385	148	-13.34	3.60	-0.46	0.0	-6.49e-04	-2.70e-04
2385	171	-1.59	12.11	-0.26	0.0	-6.69e-05	1.56e-04
2385	176	-5.60	-9.61	-0.48	0.0	-3.36e-04	-1.34e-04
2385	180	-13.22	3.43	-0.46	0.0	-6.44e-04	-2.69e-04
2385	203	-1.49	12.31	-0.26	0.0	-6.04e-05	1.60e-04
2385	208	-5.59	-9.85	-0.48	0.0	-3.38e-04	-1.37e-04
2385	212	-15.43	3.81	-0.48	0.0	-7.46e-04	-3.22e-04
2385	235	-1.65	14.48	-0.24	0.0	-5.87e-05	1.87e-04
2385	240	-6.52	-11.81	-0.51	0.0	-3.89e-04	-1.66e-04
2385	256	-0.69	0.72	-0.42	0.0	-8.44e-05	2.35e-05
2385	264	-0.90	0.57	-0.39	0.0	-9.08e-05	2.64e-05
2385	276	-0.25	1.43	-0.36	0.0	-5.26e-05	1.71e-05
2385	298	-0.26	0.64	-0.36	0.0	-5.26e-05	1.25e-05
2385	305	-0.37	0.58	-0.35	0.0	-5.70e-05	1.43e-05
2385	307	-0.24	0.75	-0.34	0.0	-4.93e-05	1.25e-05
2385	310	-0.24	0.60	-0.34	0.0	-5.02e-05	1.18e-05
2386	28	-1.08	1.16	-0.60	0.0	-1.24e-04	3.49e-05
2386	44	-1.40	0.91	-0.55	0.0	-1.34e-04	3.89e-05
2386	68	-0.39	2.24	-0.51	0.0	-7.60e-05	2.58e-05
2386	116	-12.15	3.42	-0.45	0.0	-4.84e-04	-2.62e-04
2386	139	-1.48	11.11	-0.27	0.0	-5.03e-05	1.45e-04
2386	144	-5.13	-8.59	-0.47	0.0	-2.73e-04	-1.32e-04
2386	148	-13.62	3.74	-0.46	0.0	-5.37e-04	-2.96e-04
2386	171	-1.61	12.47	-0.26	0.0	-4.92e-05	1.62e-04
2386	176	-5.75	-9.81	-0.49	0.0	-3.02e-04	-1.51e-04
2386	180	-13.49	3.56	-0.46	0.0	-5.34e-04	-2.96e-04
2386	203	-1.51	12.67	-0.26	0.0	-4.35e-05	1.66e-04
2386	208	-5.75	-10.05	-0.49	0.0	-3.03e-04	-1.54e-04
2386	212	-15.75	3.95	-0.49	0.0	-6.18e-04	-3.54e-04
2386	235	-1.68	14.90	-0.24	0.0	-3.91e-05	1.95e-04
2386	240	-6.70	-12.06	-0.52	0.0	-3.48e-04	-1.86e-04
2386	256	-0.73	0.81	-0.42	0.0	-8.55e-05	2.41e-05
2386	264	-0.95	0.64	-0.39	0.0	-9.19e-05	2.67e-05
2386	276	-0.27	1.53	-0.36	0.0	-5.34e-05	1.80e-05
2386	298	-0.28	0.71	-0.36	0.0	-5.34e-05	1.32e-05
2386	305	-0.40	0.64	-0.35	0.0	-5.78e-05	1.49e-05

2386	307	-0.26	0.82	-0.34	0.0	-5.01e-05	1.31e-05
2386	310	-0.27	0.67	-0.35	0.0	-5.10e-05	1.24e-05
2387	28	-1.03	1.04	-0.67	0.0	-1.25e-04	3.30e-05
2387	44	-1.36	0.81	-0.61	0.0	-1.34e-04	3.73e-05
2387	68	-0.36	2.11	-0.59	0.0	-7.73e-05	2.36e-05
2387	116	-11.79	3.29	-0.47	0.0	-5.68e-04	-2.82e-04
2387	139	-1.51	10.79	-0.38	0.0	-7.22e-05	1.33e-04
2387	148	-13.22	3.60	-0.48	0.0	-6.32e-04	-3.19e-04
2387	171	-1.66	12.11	-0.38	0.0	-7.37e-05	1.49e-04
2387	180	-13.09	3.43	-0.48	0.0	-6.27e-04	-3.19e-04
2387	203	-1.56	12.31	-0.38	0.0	-6.76e-05	1.52e-04
2387	212	-15.28	3.81	-0.49	0.0	-7.26e-04	-3.80e-04
2387	235	-1.74	14.48	-0.38	0.0	-6.70e-05	1.79e-04
2387	256	-0.70	0.72	-0.47	0.0	-8.62e-05	2.27e-05
2387	264	-0.92	0.57	-0.43	0.0	-9.24e-05	2.56e-05
2387	276	-0.25	1.43	-0.42	0.0	-5.44e-05	1.65e-05
2387	298	-0.26	0.64	-0.40	0.0	-5.40e-05	1.21e-05
2387	305	-0.38	0.58	-0.39	0.0	-5.83e-05	1.39e-05
2387	307	-0.25	0.75	-0.38	0.0	-5.07e-05	1.21e-05
2387	310	-0.25	0.60	-0.39	0.0	-5.16e-05	1.14e-05
2388	28	-1.09	1.16	-0.68	0.0	-1.26e-04	3.54e-05
2388	44	-1.43	0.91	-0.62	0.0	-1.35e-04	3.94e-05
2388	68	-0.40	2.24	-0.60	0.0	-7.81e-05	2.59e-05
2388	116	-12.03	3.42	-0.47	0.0	-4.55e-04	-2.94e-04
2388	139	-1.55	11.11	-0.38	0.0	-5.48e-05	1.39e-04
2388	148	-13.49	3.74	-0.48	0.0	-5.05e-04	-3.33e-04
2388	171	-1.69	12.47	-0.38	0.0	-5.43e-05	1.56e-04
2388	180	-13.35	3.56	-0.48	0.0	-5.02e-04	-3.33e-04
2388	203	-1.59	12.67	-0.38	0.0	-4.90e-05	1.60e-04
2388	212	-15.58	3.95	-0.50	0.0	-5.80e-04	-3.97e-04
2388	235	-1.77	14.90	-0.38	0.0	-4.56e-05	1.87e-04
2388	256	-0.74	0.80	-0.47	0.0	-8.70e-05	2.44e-05
2388	264	-0.96	0.64	-0.44	0.0	-9.30e-05	2.71e-05
2388	276	-0.28	1.52	-0.42	0.0	-5.49e-05	1.81e-05
2388	298	-0.29	0.71	-0.40	0.0	-5.46e-05	1.35e-05
2388	305	-0.41	0.64	-0.39	0.0	-5.89e-05	1.52e-05
2388	307	-0.27	0.82	-0.39	0.0	-5.13e-05	1.34e-05
2388	310	-0.28	0.67	-0.39	0.0	-5.21e-05	1.27e-05
2389	28	-1.05	1.04	-0.76	0.0	-1.28e-04	3.28e-05
2389	44	-1.38	0.81	-0.69	0.0	-1.37e-04	3.66e-05
2389	68	-0.37	2.10	-0.68	0.0	-8.01e-05	2.33e-05
2389	116	-11.65	3.29	-0.52	0.0	-5.58e-04	-3.20e-04
2389	119	-10.16	7.60	-0.53	0.0	-4.72e-04	-1.55e-04
2389	139	-1.57	10.79	-0.50	0.0	-7.91e-05	1.26e-04
2389	148	-13.06	3.60	-0.53	0.0	-6.21e-04	-3.61e-04
2389	151	-11.38	8.47	-0.55	0.0	-5.24e-04	-1.75e-04
2389	171	-1.72	12.11	-0.51	0.0	-8.14e-05	1.42e-04
2389	180	-12.93	3.43	-0.53	0.0	-6.15e-04	-3.61e-04
2389	183	-11.20	8.41	-0.54	0.0	-5.15e-04	-1.71e-04
2389	203	-1.63	12.31	-0.51	0.0	-7.55e-05	1.45e-04
2389	212	-15.08	3.81	-0.54	0.0	-7.12e-04	-4.29e-04
2389	215	-13.02	9.76	-0.56	0.0	-5.92e-04	-2.02e-04
2389	235	-1.82	14.48	-0.52	0.0	-7.63e-05	1.71e-04
2389	256	-0.71	0.72	-0.53	0.0	-8.83e-05	2.25e-05
2389	264	-0.93	0.57	-0.48	0.0	-9.42e-05	2.51e-05
2389	276	-0.26	1.43	-0.48	0.0	-5.63e-05	1.62e-05
2389	298	-0.27	0.64	-0.45	0.0	-5.56e-05	1.23e-05
2389	305	-0.39	0.58	-0.44	0.0	-5.98e-05	1.39e-05
2389	307	-0.25	0.75	-0.44	0.0	-5.22e-05	1.21e-05
2389	310	-0.26	0.60	-0.43	0.0	-5.31e-05	1.16e-05
2390	44	-1.38	0.94	-0.27	-2.17e-04	0.0	4.40e-05
2390	68	-0.37	2.95	-0.18	1.15e-04	0.0	1.26e-03
2390	76	-0.49	0.73	-0.28	-3.55e-04	0.0	-3.42e-04
2390	116	-12.59	3.36	-0.31	-2.07e-04	0.0	-3.20e-04
2390	139	-1.28	11.50	0.13	-4.68e-04	0.0	6.40e-04
2390	144	-5.37	-8.95	-0.53	1.51e-04	0.0	-6.44e-04
2390	148	-14.12	3.67	-0.33	-2.16e-04	0.0	-3.64e-04
2390	171	-1.39	12.91	0.17	-5.11e-04	0.0	7.22e-04
2390	176	-6.02	-10.21	-0.57	1.89e-04	0.0	-7.31e-04
2390	180	-14.00	3.49	-0.34	-2.09e-04	0.0	-3.73e-04
2390	203	-1.28	13.12	0.18	-5.18e-04	0.0	7.41e-04
2390	208	-6.02	-10.47	-0.58	1.98e-04	0.0	-7.53e-04
2390	212	-16.36	3.86	-0.37	-2.18e-04	0.0	-4.51e-04
2390	235	-1.39	15.43	0.24	-5.90e-04	0.0	8.79e-04
2390	240	-7.03	-12.56	-0.66	2.60e-04	0.0	-8.99e-04

2390	264	-0.93	0.66	-0.20	-1.52e-04	0.0	3.08e-05
2390	276	-0.26	2.00	-0.14	6.93e-05	0.0	8.41e-04
2390	280	-0.34	0.52	-0.20	-2.44e-04	0.0	-2.26e-04
2390	305	-0.39	0.65	-0.17	-1.32e-04	0.0	1.61e-05
2390	307	-0.26	0.92	-0.16	-8.77e-05	0.0	1.78e-04
2390	310	-0.26	0.68	-0.17	-1.33e-04	0.0	1.39e-05
2391	44	-1.27	0.81	-0.33	-2.10e-04	0.0	3.98e-05
2391	68	-0.31	2.11	-0.21	-2.48e-04	0.0	1.52e-03
2391	116	-12.03	3.29	-0.53	-2.61e-04	0.0	-3.56e-04
2391	139	-1.22	10.79	0.22	-6.48e-04	0.0	7.34e-04
2391	144	-5.09	-8.43	-0.77	3.20e-04	0.0	-7.48e-04
2391	148	-13.50	3.60	-0.58	-2.76e-04	0.0	-4.03e-04
2391	171	-1.33	12.11	0.27	-7.16e-04	0.0	8.29e-04
2391	176	-5.71	-9.61	-0.84	3.79e-04	0.0	-8.48e-04
2391	180	-13.38	3.43	-0.58	-2.67e-04	0.0	-4.09e-04
2391	203	-1.23	12.31	0.29	-7.26e-04	0.0	8.51e-04
2391	208	-5.72	-9.85	-0.86	3.91e-04	0.0	-8.73e-04
2391	212	-15.64	3.81	-0.66	-2.85e-04	0.0	-4.91e-04
2391	235	-1.34	14.48	0.38	-8.36e-04	0.0	1.01e-03
2391	240	-6.67	-11.81	-0.98	4.89e-04	0.0	-1.04e-03
2391	264	-0.86	0.57	-0.24	-1.47e-04	0.0	2.79e-05
2391	276	-0.22	1.43	-0.15	-1.72e-04	0.0	1.01e-03
2391	305	-0.35	0.58	-0.20	-1.28e-04	0.0	1.30e-05
2391	307	-0.22	0.75	-0.18	-1.33e-04	0.0	2.10e-04
2391	310	-0.23	0.60	-0.19	-1.29e-04	0.0	1.10e-05
2392	44	-1.56	1.01	-0.89	0.0	-1.39e-04	4.23e-05
2392	52	-0.58	2.09	-0.99	0.0	-9.68e-05	3.34e-05
2392	68	-0.49	2.37	-0.90	0.0	-8.27e-05	3.01e-05
2392	116	-11.72	3.55	-0.72	0.0	-3.44e-04	-3.72e-04
2392	119	-10.33	8.08	-0.79	0.0	-2.88e-04	-1.94e-04
2392	139	-1.74	11.44	-0.75	0.0	-5.98e-05	1.33e-04
2392	148	-13.14	3.88	-0.74	0.0	-3.80e-04	-4.21e-04
2392	151	-11.56	9.00	-0.81	0.0	-3.17e-04	-2.20e-04
2392	171	-1.91	12.83	-0.77	0.0	-5.98e-05	1.48e-04
2392	180	-12.99	3.69	-0.74	0.0	-3.78e-04	-4.21e-04
2392	183	-11.38	8.94	-0.81	0.0	-3.12e-04	-2.15e-04
2392	203	-1.82	13.03	-0.78	0.0	-5.61e-05	1.53e-04
2392	212	-15.14	4.10	-0.77	0.0	-4.33e-04	-5.00e-04
2392	215	-13.22	10.35	-0.85	0.0	-3.54e-04	-2.54e-04
2392	235	-2.03	15.31	-0.81	0.0	-5.44e-05	1.79e-04
2392	264	-1.06	0.71	-0.63	0.0	-9.57e-05	2.90e-05
2392	268	-0.40	1.43	-0.69	0.0	-6.75e-05	2.31e-05
2392	276	-0.34	1.62	-0.63	0.0	-5.81e-05	2.09e-05
2392	298	-0.34	0.77	-0.59	0.0	-5.70e-05	1.73e-05
2392	305	-0.46	0.70	-0.57	0.0	-6.11e-05	1.84e-05
2392	307	-0.32	0.88	-0.57	0.0	-5.36e-05	1.68e-05
2392	310	-0.33	0.73	-0.56	0.0	-5.43e-05	1.62e-05
2393	28	-1.11	1.16	-0.76	0.0	-1.29e-04	3.56e-05
2393	44	-1.45	0.91	-0.69	0.0	-1.37e-04	3.92e-05
2393	68	-0.41	2.24	-0.68	0.0	-8.04e-05	2.60e-05
2393	116	-11.89	3.42	-0.52	0.0	-4.40e-04	-3.28e-04
2393	119	-10.36	7.84	-0.54	0.0	-3.66e-04	-1.58e-04
2393	139	-1.60	11.12	-0.50	0.0	-6.14e-05	1.33e-04
2393	148	-13.32	3.74	-0.53	0.0	-4.88e-04	-3.71e-04
2393	151	-11.60	8.73	-0.55	0.0	-4.04e-04	-1.79e-04
2393	171	-1.75	12.47	-0.51	0.0	-6.15e-05	1.49e-04
2393	180	-13.19	3.56	-0.53	0.0	-4.85e-04	-3.71e-04
2393	183	-11.42	8.67	-0.55	0.0	-3.98e-04	-1.74e-04
2393	203	-1.66	12.68	-0.51	0.0	-5.66e-05	1.53e-04
2393	212	-15.39	3.95	-0.55	0.0	-5.59e-04	-4.41e-04
2393	215	-13.27	10.05	-0.57	0.0	-4.55e-04	-2.06e-04
2393	235	-1.85	14.90	-0.52	0.0	-5.46e-05	1.80e-04
2393	256	-0.76	0.80	-0.53	0.0	-8.87e-05	2.45e-05
2393	264	-0.98	0.64	-0.49	0.0	-9.45e-05	2.69e-05
2393	276	-0.29	1.52	-0.48	0.0	-5.65e-05	1.81e-05
2393	298	-0.30	0.70	-0.45	0.0	-5.60e-05	1.38e-05
2393	305	-0.42	0.64	-0.44	0.0	-6.02e-05	1.54e-05
2393	307	-0.28	0.82	-0.44	0.0	-5.26e-05	1.37e-05
2393	310	-0.28	0.67	-0.44	0.0	-5.34e-05	1.30e-05
2394	44	-1.40	0.81	-0.78	0.0	-1.40e-04	3.71e-05
2394	52	-0.46	1.82	-0.86	0.0	-9.73e-05	2.65e-05
2394	68	-0.39	2.10	-0.78	0.0	-8.33e-05	2.41e-05
2394	116	-11.49	3.29	-0.61	0.0	-5.50e-04	-3.48e-04
2394	119	-10.08	7.60	-0.65	0.0	-4.70e-04	-1.81e-04
2394	139	-1.62	10.79	-0.62	0.0	-8.67e-05	1.22e-04

2394	148	-12.88	3.60	-0.62	0.0	-6.12e-04	-3.93e-04
2394	151	-11.29	8.47	-0.67	0.0	-5.21e-04	-2.04e-04
2394	171	-1.78	12.11	-0.64	0.0	-8.98e-05	1.37e-04
2394	180	-12.74	3.43	-0.62	0.0	-6.06e-04	-3.93e-04
2394	183	-11.11	8.41	-0.66	0.0	-5.13e-04	-2.00e-04
2394	203	-1.69	12.31	-0.64	0.0	-8.43e-05	1.40e-04
2394	212	-14.87	3.81	-0.64	0.0	-7.01e-04	-4.67e-04
2394	215	-12.91	9.76	-0.69	0.0	-5.89e-04	-2.36e-04
2394	235	-1.89	14.48	-0.66	0.0	-8.65e-05	1.65e-04
2394	264	-0.95	0.57	-0.55	0.0	-9.63e-05	2.54e-05
2394	268	-0.32	1.24	-0.60	0.0	-6.79e-05	1.83e-05
2394	276	-0.27	1.43	-0.55	0.0	-5.86e-05	1.67e-05
2394	298	-0.28	0.64	-0.51	0.0	-5.73e-05	1.35e-05
2394	305	-0.39	0.58	-0.49	0.0	-6.15e-05	1.49e-05
2394	307	-0.26	0.75	-0.49	0.0	-5.40e-05	1.32e-05
2394	310	-0.26	0.60	-0.49	0.0	-5.47e-05	1.26e-05
2395	44	-1.47	0.91	-0.78	0.0	-1.40e-04	4.01e-05
2395	52	-0.51	1.95	-0.87	0.0	-9.71e-05	2.98e-05
2395	68	-0.43	2.23	-0.78	0.0	-8.29e-05	2.73e-05
2395	116	-11.72	3.42	-0.61	0.0	-4.33e-04	-3.53e-04
2395	119	-10.28	7.84	-0.65	0.0	-3.65e-04	-1.81e-04
2395	139	-1.66	11.12	-0.62	0.0	-6.89e-05	1.30e-04
2395	148	-13.14	3.74	-0.62	0.0	-4.80e-04	-3.99e-04
2395	151	-11.51	8.73	-0.67	0.0	-4.03e-04	-2.04e-04
2395	171	-1.82	12.47	-0.64	0.0	-6.99e-05	1.45e-04
2395	180	-13.00	3.56	-0.62	0.0	-4.76e-04	-3.99e-04
2395	183	-11.33	8.67	-0.67	0.0	-3.96e-04	-2.00e-04
2395	203	-1.73	12.68	-0.64	0.0	-6.53e-05	1.49e-04
2395	212	-15.16	3.95	-0.64	0.0	-5.49e-04	-4.74e-04
2395	215	-13.16	10.06	-0.70	0.0	-4.53e-04	-2.36e-04
2395	235	-1.93	14.90	-0.67	0.0	-6.47e-05	1.75e-04
2395	264	-0.99	0.64	-0.55	0.0	-9.60e-05	2.75e-05
2395	268	-0.36	1.33	-0.61	0.0	-6.77e-05	2.06e-05
2395	276	-0.30	1.52	-0.55	0.0	-5.82e-05	1.90e-05
2395	298	-0.31	0.70	-0.52	0.0	-5.73e-05	1.52e-05
2395	305	-0.42	0.64	-0.50	0.0	-6.14e-05	1.66e-05
2395	307	-0.29	0.82	-0.50	0.0	-5.39e-05	1.49e-05
2395	310	-0.29	0.66	-0.50	0.0	-5.46e-05	1.43e-05
2396	44	-1.42	0.81	-0.89	0.0	-1.44e-04	3.87e-05
2396	52	-0.48	1.82	-0.99	0.0	-1.01e-04	2.99e-05
2396	68	-0.40	2.10	-0.89	0.0	-8.73e-05	2.59e-05
2396	116	-11.32	3.29	-0.72	0.0	-5.45e-04	-3.71e-04
2396	119	-9.99	7.60	-0.78	0.0	-4.71e-04	-2.02e-04
2396	139	-1.67	10.79	-0.75	0.0	-9.51e-05	1.20e-04
2396	148	-12.69	3.60	-0.74	0.0	-6.06e-04	-4.20e-04
2396	151	-11.18	8.47	-0.81	0.0	-5.22e-04	-2.29e-04
2396	171	-1.83	12.12	-0.77	0.0	-9.90e-05	1.34e-04
2396	180	-12.55	3.43	-0.73	0.0	-6.00e-04	-4.20e-04
2396	183	-11.00	8.41	-0.81	0.0	-5.13e-04	-2.24e-04
2396	203	-1.75	12.31	-0.77	0.0	-9.38e-05	1.37e-04
2396	212	-14.63	3.81	-0.76	0.0	-6.92e-04	-4.98e-04
2396	215	-12.79	9.76	-0.85	0.0	-5.88e-04	-2.64e-04
2396	235	-1.96	14.48	-0.81	0.0	-9.75e-05	1.61e-04
2396	264	-0.96	0.57	-0.62	0.0	-9.88e-05	2.64e-05
2396	268	-0.33	1.24	-0.69	0.0	-7.08e-05	2.05e-05
2396	276	-0.28	1.43	-0.63	0.0	-6.13e-05	1.79e-05
2396	298	-0.28	0.64	-0.58	0.0	-5.95e-05	1.59e-05
2396	305	-0.40	0.58	-0.56	0.0	-6.36e-05	1.69e-05
2396	307	-0.27	0.75	-0.56	0.0	-5.61e-05	1.52e-05
2396	310	-0.27	0.60	-0.56	0.0	-5.68e-05	1.47e-05
2397	44	-1.63	1.14	-0.90	-2.50e-04	-1.28e-04	3.93e-05
2397	52	-0.62	2.25	-1.00	-2.82e-04	-8.74e-05	2.97e-05
2397	68	-0.53	2.53	-0.91	-2.64e-04	-7.60e-05	2.75e-05
2397	116	-11.86	3.69	-0.73	-2.31e-04	-3.56e-04	-3.72e-04
2397	119	-10.44	8.32	-0.79	-2.73e-04	-2.94e-04	-1.93e-04
2397	139	-1.77	11.75	-0.75	-2.63e-04	-4.89e-05	1.33e-04
2397	148	-13.28	4.03	-0.75	-2.41e-04	-3.94e-04	-4.21e-04
2397	151	-11.68	9.26	-0.82	-2.88e-04	-3.24e-04	-2.18e-04
2397	171	-1.93	13.17	-0.78	-2.78e-04	-4.82e-05	1.49e-04
2397	180	-13.14	3.84	-0.74	-2.38e-04	-3.92e-04	-4.21e-04
2397	183	-11.50	9.20	-0.81	-2.86e-04	-3.18e-04	-2.13e-04
2397	203	-1.84	13.38	-0.78	-2.80e-04	-4.40e-05	1.53e-04
2397	212	-15.31	4.25	-0.77	-2.53e-04	-4.51e-04	-5.01e-04
2397	215	-13.35	10.65	-0.85	-3.10e-04	-3.63e-04	-2.52e-04
2397	235	-2.05	15.71	-0.82	-3.04e-04	-4.09e-05	1.80e-04

2397	264	-1.10	0.80	-0.63	-1.76e-04	-8.83e-05	2.70e-05
2397	268	-0.43	1.54	-0.70	-1.98e-04	-6.11e-05	2.06e-05
2397	276	-0.37	1.73	-0.64	-1.85e-04	-5.36e-05	1.91e-05
2397	298	-0.37	0.85	-0.59	-1.52e-04	-5.11e-05	1.50e-05
2397	305	-0.49	0.78	-0.57	-1.47e-04	-5.53e-05	1.63e-05
2397	307	-0.35	0.97	-0.57	-1.49e-04	-4.83e-05	1.48e-05
2397	310	-0.35	0.80	-0.57	-1.46e-04	-4.91e-05	1.41e-05
2398	44	-1.21	0.50	-0.99	0.0	-1.42e-04	2.93e-05
2398	52	-0.32	1.40	-1.11	0.0	-1.01e-04	1.93e-05
2398	68	-0.27	1.70	-1.00	0.0	-8.62e-05	1.59e-05
2398	116	-10.01	2.89	-0.84	0.0	-8.56e-04	-3.45e-04
2398	119	-8.88	6.82	-0.92	0.0	-7.56e-04	-2.00e-04
2398	139	-1.50	9.75	-0.87	0.0	-1.50e-04	8.71e-05
2398	148	-11.22	3.17	-0.86	0.0	-9.55e-04	-3.90e-04
2398	151	-9.95	7.62	-0.95	0.0	-8.42e-04	-2.26e-04
2398	171	-1.65	10.96	-0.90	0.0	-1.60e-04	9.76e-05
2398	180	-11.09	3.01	-0.86	0.0	-9.43e-04	-3.89e-04
2398	183	-9.79	7.57	-0.95	0.0	-8.28e-04	-2.22e-04
2398	203	-1.58	11.14	-0.90	0.0	-1.53e-04	1.00e-04
2398	212	-12.94	3.37	-0.89	0.0	-1.09e-03	-4.61e-04
2398	215	-11.39	8.80	-1.00	0.0	-9.56e-04	-2.61e-04
2398	235	-1.79	13.13	-0.95	0.0	-1.67e-04	1.18e-04
2398	264	-0.81	0.36	-0.70	0.0	-9.80e-05	1.98e-05
2398	268	-0.23	0.95	-0.77	0.0	-7.02e-05	1.32e-05
2398	276	-0.19	1.15	-0.70	0.0	-6.05e-05	1.09e-05
2398	298	-0.20	0.44	-0.65	0.0	-5.91e-05	1.06e-05
2398	305	-0.31	0.39	-0.63	0.0	-6.32e-05	1.17e-05
2398	307	-0.18	0.55	-0.63	0.0	-5.57e-05	9.92e-06
2398	310	-0.19	0.41	-0.62	0.0	-5.63e-05	9.59e-06
2399	44	-1.28	0.61	-0.99	0.0	-1.46e-04	3.38e-05
2399	52	-0.38	1.55	-1.10	0.0	-1.05e-04	2.59e-05
2399	68	-0.32	1.84	-1.00	0.0	-9.00e-05	2.07e-05
2399	116	-10.46	3.03	-0.84	0.0	-7.76e-04	-3.72e-04
2399	119	-9.28	7.09	-0.92	0.0	-6.84e-04	-2.16e-04
2399	139	-1.58	10.11	-0.86	0.0	-1.40e-04	9.74e-05
2399	148	-11.73	3.33	-0.86	0.0	-8.64e-04	-4.20e-04
2399	151	-10.39	7.92	-0.95	0.0	-7.61e-04	-2.44e-04
2399	171	-1.74	11.36	-0.90	0.0	-1.49e-04	1.09e-04
2399	180	-11.59	3.16	-0.86	0.0	-8.54e-04	-4.19e-04
2399	183	-10.23	7.86	-0.95	0.0	-7.48e-04	-2.40e-04
2399	203	-1.66	11.55	-0.90	0.0	-1.43e-04	1.12e-04
2399	212	-13.52	3.53	-0.89	0.0	-9.89e-04	-4.97e-04
2399	215	-11.89	9.13	-1.00	0.0	-8.63e-04	-2.82e-04
2399	235	-1.87	13.60	-0.95	0.0	-1.54e-04	1.31e-04
2399	264	-0.87	0.43	-0.69	0.0	-1.01e-04	2.28e-05
2399	268	-0.26	1.06	-0.77	0.0	-7.30e-05	1.76e-05
2399	276	-0.22	1.25	-0.70	0.0	-6.32e-05	1.41e-05
2399	298	-0.23	0.51	-0.65	0.0	-6.12e-05	1.45e-05
2399	305	-0.34	0.46	-0.63	0.0	-6.52e-05	1.52e-05
2399	307	-0.21	0.62	-0.63	0.0	-5.77e-05	1.34e-05
2399	310	-0.22	0.48	-0.62	0.0	-5.84e-05	1.30e-05
2400	44	-1.36	0.71	-0.99	0.0	-1.48e-04	3.74e-05
2400	52	-0.44	1.69	-1.10	0.0	-1.07e-04	3.09e-05
2400	68	-0.37	1.97	-1.00	0.0	-9.24e-05	2.45e-05
2400	116	-10.85	3.17	-0.84	0.0	-6.62e-04	-3.89e-04
2400	119	-9.62	7.36	-0.92	0.0	-5.82e-04	-2.25e-04
2400	139	-1.65	10.47	-0.86	0.0	-1.24e-04	1.08e-04
2400	148	-12.16	3.47	-0.86	0.0	-7.37e-04	-4.40e-04
2400	151	-10.78	8.21	-0.95	0.0	-6.46e-04	-2.54e-04
2400	171	-1.81	11.75	-0.89	0.0	-1.31e-04	1.21e-04
2400	180	-12.02	3.30	-0.86	0.0	-7.28e-04	-4.40e-04
2400	183	-10.60	8.15	-0.95	0.0	-6.35e-04	-2.49e-04
2400	203	-1.74	11.95	-0.90	0.0	-1.25e-04	1.24e-04
2400	212	-14.02	3.68	-0.89	0.0	-8.42e-04	-5.22e-04
2400	215	-12.32	9.46	-1.00	0.0	-7.31e-04	-2.94e-04
2400	235	-1.95	14.06	-0.94	0.0	-1.34e-04	1.46e-04
2400	264	-0.92	0.50	-0.69	0.0	-1.02e-04	2.52e-05
2400	268	-0.30	1.15	-0.77	0.0	-7.47e-05	2.09e-05
2400	276	-0.26	1.34	-0.70	0.0	-6.49e-05	1.66e-05
2400	298	-0.26	0.58	-0.65	0.0	-6.24e-05	1.73e-05
2400	305	-0.38	0.52	-0.63	0.0	-6.64e-05	1.78e-05
2400	307	-0.24	0.69	-0.63	0.0	-5.89e-05	1.61e-05
2400	310	-0.25	0.54	-0.62	0.0	-5.96e-05	1.55e-05
2401	28	-0.81	0.61	-0.49	0.0	-1.57e-04	5.88e-06
2401	44	-1.12	0.53	-0.45	0.0	-1.98e-04	8.17e-06

2401	68	-0.23	1.48	-0.41	0.0	-6.31e-05	1.19e-06
2401	123	-8.07	3.07	-0.32	0.0	-9.35e-04	2.27e-06
2401	137	0.90	10.14	-0.08	0.0	2.81e-04	1.95e-04
2401	144	-1.60	-8.72	-0.48	0.0	-3.97e-04	-1.22e-04
2401	155	-9.05	3.44	-0.32	0.0	-1.04e-03	2.97e-06
2401	169	1.03	11.43	-0.05	0.0	3.21e-04	2.19e-04
2401	176	-1.78	-9.91	-0.50	0.0	-4.41e-04	-1.38e-04
2401	187	-8.90	3.55	-0.32	0.0	-1.03e-03	6.59e-06
2401	201	1.02	11.72	-0.04	0.0	3.15e-04	2.17e-04
2401	208	-1.77	-10.19	-0.51	0.0	-4.34e-04	-1.37e-04
2401	219	-10.32	4.20	-0.32	0.0	-1.19e-03	1.08e-05
2401	233	1.22	13.88	-1.08e-03	0.0	3.75e-04	2.55e-04
2401	240	-2.03	-12.18	-0.55	0.0	-4.98e-04	-1.61e-04
2401	256	-0.55	0.42	-0.35	0.0	-1.07e-04	3.93e-06
2401	264	-0.76	0.37	-0.32	0.0	-1.34e-04	5.46e-06
2401	276	-0.16	1.00	-0.29	0.0	-4.44e-05	0.0
2401	298	-0.16	0.33	-0.29	0.0	-4.62e-05	0.0
2401	305	-0.27	0.31	-0.28	0.0	-6.09e-05	1.55e-06
2401	307	-0.15	0.44	-0.27	0.0	-4.29e-05	0.0
2401	310	-0.15	0.31	-0.28	0.0	-4.37e-05	0.0
2402	28	-0.89	0.70	-0.49	0.0	-1.57e-04	9.56e-06
2402	44	-1.22	0.61	-0.45	0.0	-1.98e-04	1.26e-05
2402	68	-0.26	1.59	-0.41	0.0	-6.29e-05	2.12e-06
2402	123	-8.53	3.23	-0.32	0.0	-9.29e-04	3.97e-05
2402	137	0.95	10.57	-0.07	0.0	2.80e-04	1.91e-04
2402	144	-1.70	-9.03	-0.49	0.0	-3.95e-04	-1.11e-04
2402	155	-9.56	3.61	-0.32	0.0	-1.04e-03	4.50e-05
2402	169	1.08	11.91	-0.04	0.0	3.20e-04	2.15e-04
2402	176	-1.90	-10.26	-0.52	0.0	-4.38e-04	-1.25e-04
2402	187	-9.41	3.72	-0.32	0.0	-1.02e-03	4.82e-05
2402	201	1.07	12.21	-0.04	0.0	3.13e-04	2.12e-04
2402	208	-1.88	-10.55	-0.52	0.0	-4.32e-04	-1.23e-04
2402	219	-10.91	4.40	-0.32	0.0	-1.18e-03	5.92e-05
2402	233	1.28	14.46	9.78e-03	0.0	3.73e-04	2.49e-04
2402	240	-2.16	-12.62	-0.57	0.0	-4.95e-04	-1.45e-04
2402	256	-0.60	0.49	-0.35	0.0	-1.07e-04	6.46e-06
2402	264	-0.82	0.42	-0.32	0.0	-1.34e-04	8.47e-06
2402	276	-0.18	1.08	-0.29	0.0	-4.43e-05	1.50e-06
2402	298	-0.19	0.38	-0.29	0.0	-4.60e-05	1.98e-06
2402	305	-0.30	0.36	-0.28	0.0	-6.08e-05	3.08e-06
2402	307	-0.17	0.49	-0.27	0.0	-4.28e-05	1.68e-06
2402	310	-0.18	0.36	-0.28	0.0	-4.36e-05	1.78e-06
2403	28	-1.31	1.40	-0.39	0.0	-1.64e-04	4.61e-05
2403	44	-1.66	1.22	-0.37	0.0	-1.68e-04	4.11e-05
2403	68	-0.55	2.40	-0.34	0.0	-1.17e-04	4.01e-05
2403	123	-10.40	3.55	-0.47	0.0	-4.69e-04	3.85e-04
2403	127	-10.28	3.89	-0.48	0.0	-4.64e-04	3.29e-04
2403	137	1.13	13.30	-0.29	0.0	-9.86e-06	2.12e-04
2403	155	-11.65	3.93	-0.50	0.0	-5.18e-04	4.31e-04
2403	159	-11.51	4.30	-0.51	0.0	-5.13e-04	3.67e-04
2403	169	1.31	14.96	-0.30	0.0	-2.16e-06	2.36e-04
2403	187	-11.46	4.07	-0.50	0.0	-5.09e-04	4.27e-04
2403	191	-11.33	4.41	-0.50	0.0	-5.05e-04	3.61e-04
2403	201	1.28	15.32	-0.30	0.0	-3.03e-06	2.31e-04
2403	219	-13.26	4.76	-0.55	0.0	-5.80e-04	4.97e-04
2403	223	-13.11	5.11	-0.55	0.0	-5.75e-04	4.16e-04
2403	233	1.55	18.09	-0.32	0.0	8.71e-06	2.66e-04
2403	256	-0.89	0.97	-0.28	0.0	-1.14e-04	3.21e-05
2403	264	-1.13	0.85	-0.27	0.0	-1.16e-04	2.88e-05
2403	276	-0.38	1.64	-0.25	0.0	-8.24e-05	2.81e-05
2403	298	-0.37	0.77	-0.22	0.0	-7.60e-05	2.49e-05
2403	305	-0.50	0.73	-0.22	0.0	-7.89e-05	2.38e-05
2403	307	-0.35	0.89	-0.22	0.0	-7.23e-05	2.37e-05
2403	310	-0.35	0.72	-0.22	0.0	-7.23e-05	2.36e-05
2404	28	-1.39	1.55	-0.39	0.0	-1.63e-04	5.62e-05
2404	44	-1.74	1.34	-0.37	0.0	-1.66e-04	5.06e-05
2404	68	-0.61	2.57	-0.35	0.0	-1.17e-04	4.77e-05
2404	123	-10.60	3.72	-0.48	0.0	-3.64e-04	3.37e-04
2404	127	-10.47	4.06	-0.48	0.0	-3.62e-04	2.80e-04
2404	137	1.12	13.80	-0.30	0.0	-2.19e-05	2.24e-04
2404	155	-11.86	4.11	-0.51	0.0	-4.01e-04	3.75e-04
2404	159	-11.72	4.49	-0.51	0.0	-3.98e-04	3.11e-04
2404	169	1.31	15.50	-0.31	0.0	-1.58e-05	2.48e-04
2404	187	-11.68	4.25	-0.51	0.0	-3.95e-04	3.73e-04
2404	191	-11.54	4.60	-0.51	0.0	-3.91e-04	3.06e-04

2404	201	1.27	15.88	-0.31	0.0	-1.65e-05	2.44e-04
2404	219	-13.51	4.97	-0.56	0.0	-4.47e-04	4.33e-04
2404	223	-13.35	5.32	-0.56	0.0	-4.43e-04	3.51e-04
2404	233	1.55	18.74	-0.33	0.0	-7.12e-06	2.81e-04
2404	256	-0.95	1.07	-0.28	0.0	-1.13e-04	3.92e-05
2404	264	-1.18	0.94	-0.27	0.0	-1.15e-04	3.54e-05
2404	276	-0.43	1.75	-0.25	0.0	-8.19e-05	3.35e-05
2404	298	-0.41	0.85	-0.23	0.0	-7.54e-05	2.99e-05
2404	305	-0.54	0.81	-0.22	0.0	-7.83e-05	2.89e-05
2404	307	-0.39	0.97	-0.22	0.0	-7.17e-05	2.85e-05
2404	310	-0.39	0.80	-0.22	0.0	-7.17e-05	2.84e-05
2405	28	-1.29	1.40	-0.34	0.0	-1.54e-04	4.84e-05
2405	44	-1.64	1.22	-0.33	0.0	-1.59e-04	4.20e-05
2405	68	-0.53	2.40	-0.27	0.0	-1.09e-04	4.24e-05
2405	123	-10.25	3.55	-0.45	0.0	-5.01e-04	3.98e-04
2405	128	-9.50	-3.12	-0.52	0.0	-4.66e-04	2.60e-04
2405	137	1.15	13.30	8.13e-03	0.0	1.27e-06	2.11e-04
2405	155	-11.48	3.93	-0.49	0.0	-5.55e-04	4.45e-04
2405	160	-10.63	-3.63	-0.56	0.0	-5.16e-04	2.89e-04
2405	169	1.33	14.96	0.03	0.0	9.70e-06	2.34e-04
2405	187	-11.30	4.07	-0.48	0.0	-5.46e-04	4.41e-04
2405	192	-10.47	-3.74	-0.56	0.0	-5.08e-04	2.85e-04
2405	201	1.30	15.33	0.04	0.0	8.73e-06	2.29e-04
2405	219	-13.08	4.76	-0.53	0.0	-6.24e-04	5.12e-04
2405	224	-12.11	-4.58	-0.62	0.0	-5.79e-04	3.26e-04
2405	233	1.57	18.09	0.08	0.0	2.16e-05	2.63e-04
2405	256	-0.88	0.97	-0.24	0.0	-1.07e-04	3.37e-05
2405	264	-1.11	0.85	-0.24	0.0	-1.10e-04	2.95e-05
2405	276	-0.37	1.64	-0.20	0.0	-7.66e-05	2.97e-05
2405	298	-0.36	0.77	-0.19	0.0	-7.05e-05	2.67e-05
2405	305	-0.49	0.73	-0.19	0.0	-7.37e-05	2.53e-05
2405	307	-0.34	0.89	-0.19	0.0	-6.71e-05	2.54e-05
2405	310	-0.34	0.72	-0.19	0.0	-6.71e-05	2.53e-05
2406	28	-1.36	1.54	-0.35	0.0	-1.53e-04	5.81e-05
2406	44	-1.72	1.34	-0.34	0.0	-1.57e-04	5.17e-05
2406	68	-0.58	2.56	-0.28	0.0	-1.10e-04	4.99e-05
2406	123	-10.48	3.72	-0.46	0.0	-4.45e-04	3.36e-04
2406	128	-9.71	-3.17	-0.53	0.0	-4.14e-04	1.99e-04
2406	137	1.15	13.78	0.01	0.0	-5.75e-06	2.24e-04
2406	155	-11.73	4.11	-0.49	0.0	-4.92e-04	3.75e-04
2406	160	-10.87	-3.69	-0.57	0.0	-4.57e-04	2.20e-04
2406	169	1.34	15.48	0.04	0.0	1.84e-06	2.48e-04
2406	187	-11.55	4.24	-0.48	0.0	-4.84e-04	3.73e-04
2406	192	-10.70	-3.81	-0.56	0.0	-4.50e-04	2.16e-04
2406	201	1.30	15.86	0.04	0.0	0.0	2.44e-04
2406	219	-13.37	4.96	-0.53	0.0	-5.52e-04	4.32e-04
2406	224	-12.38	-4.68	-0.63	0.0	-5.12e-04	2.46e-04
2406	233	1.58	18.72	0.08	0.0	1.25e-05	2.81e-04
2406	256	-0.93	1.07	-0.25	0.0	-1.06e-04	4.05e-05
2406	264	-1.17	0.94	-0.24	0.0	-1.08e-04	3.62e-05
2406	276	-0.41	1.75	-0.20	0.0	-7.70e-05	3.50e-05
2406	298	-0.40	0.85	-0.20	0.0	-7.07e-05	3.14e-05
2406	305	-0.52	0.81	-0.20	0.0	-7.36e-05	3.01e-05
2406	307	-0.37	0.97	-0.19	0.0	-6.73e-05	2.98e-05
2406	310	-0.37	0.80	-0.19	0.0	-6.73e-05	2.97e-05
2407	44	-1.62	1.22	-0.29	0.0	-1.58e-04	4.35e-05
2407	68	-0.51	2.40	-0.19	0.0	-1.09e-04	4.52e-05
2407	123	-10.09	3.55	-0.42	0.0	-5.34e-04	4.07e-04
2407	137	1.17	13.30	0.32	0.0	6.86e-06	1.15e-04
2407	144	-2.06	-11.06	-0.64	0.0	-1.46e-04	-2.34e-05
2407	155	-11.31	3.93	-0.45	0.0	-5.92e-04	4.55e-04
2407	169	1.35	14.96	0.38	0.0	1.60e-05	1.26e-04
2407	176	-2.28	-12.61	-0.70	0.0	-1.56e-04	-3.00e-05
2407	187	-11.13	4.07	-0.44	0.0	-5.82e-04	4.51e-04
2407	201	1.32	15.33	0.40	0.0	1.49e-05	1.26e-04
2407	208	-2.24	-12.97	-0.72	0.0	-1.55e-04	-2.89e-05
2407	219	-12.89	4.76	-0.48	0.0	-6.65e-04	5.23e-04
2407	233	1.58	18.09	0.50	0.0	2.88e-05	1.43e-04
2407	240	-2.54	-15.57	-0.82	0.0	-1.69e-04	-3.95e-05
2407	264	-1.10	0.85	-0.20	0.0	-1.09e-04	3.05e-05
2407	276	-0.35	1.64	-0.14	0.0	-7.61e-05	3.17e-05
2407	305	-0.47	0.73	-0.16	0.0	-7.36e-05	2.72e-05
2407	307	-0.33	0.89	-0.15	0.0	-6.70e-05	2.74e-05
2407	310	-0.33	0.73	-0.15	0.0	-6.70e-05	2.73e-05
2408	28	-1.55	1.79	-0.40	0.0	-1.62e-04	7.47e-05

2408	44	-1.91	1.55	-0.38	0.0	-1.65e-04	6.96e-05
2408	68	-0.72	2.82	-0.35	0.0	-1.16e-04	5.93e-05
2408	123	-10.85	3.96	-0.48	0.0	-2.59e-04	1.07e-04
2408	127	-10.73	4.31	-0.49	0.0	-2.57e-04	4.98e-05
2408	137	1.09	14.37	-0.30	0.0	-3.54e-05	2.75e-04
2408	155	-12.14	4.36	-0.51	0.0	-2.82e-04	1.16e-04
2408	159	-12.00	4.76	-0.52	0.0	-2.80e-04	5.18e-05
2408	169	1.28	16.13	-0.31	0.0	-3.10e-05	3.05e-04
2408	187	-11.96	4.51	-0.51	0.0	-2.78e-04	1.20e-04
2408	191	-11.82	4.87	-0.52	0.0	-2.77e-04	5.32e-05
2408	201	1.25	16.53	-0.32	0.0	-3.15e-05	3.03e-04
2408	219	-13.82	5.25	-0.56	0.0	-3.12e-04	1.39e-04
2408	223	-13.66	5.62	-0.57	0.0	-3.10e-04	5.70e-05
2408	233	1.54	19.49	-0.34	0.0	-2.47e-05	3.50e-04
2408	256	-1.06	1.24	-0.28	0.0	-1.12e-04	5.18e-05
2408	264	-1.30	1.08	-0.27	0.0	-1.14e-04	4.84e-05
2408	276	-0.51	1.93	-0.25	0.0	-8.17e-05	4.15e-05
2408	298	-0.49	0.98	-0.23	0.0	-7.51e-05	3.79e-05
2408	305	-0.62	0.93	-0.22	0.0	-7.79e-05	3.73e-05
2408	307	-0.46	1.10	-0.22	0.0	-7.15e-05	3.59e-05
2408	310	-0.46	0.93	-0.22	0.0	-7.15e-05	3.58e-05
2409	28	-1.44	1.69	-0.35	0.0	-1.52e-04	6.73e-05
2409	44	-1.80	1.47	-0.34	0.0	-1.55e-04	6.17e-05
2409	68	-0.64	2.71	-0.28	0.0	-1.10e-04	5.59e-05
2409	123	-10.68	3.84	-0.46	0.0	-4.01e-04	2.18e-04
2409	128	-9.90	-3.18	-0.53	0.0	-3.73e-04	8.37e-05
2409	137	1.15	14.10	0.01	0.0	-1.11e-05	2.45e-04
2409	155	-11.95	4.24	-0.49	0.0	-4.42e-04	2.41e-04
2409	160	-11.08	-3.71	-0.58	0.0	-4.11e-04	8.98e-05
2409	169	1.34	15.83	0.04	0.0	-4.08e-06	2.71e-04
2409	187	-11.77	4.38	-0.49	0.0	-4.35e-04	2.41e-04
2409	192	-10.91	-3.82	-0.57	0.0	-4.04e-04	8.86e-05
2409	201	1.31	16.22	0.04	0.0	-4.91e-06	2.67e-04
2409	219	-13.61	5.11	-0.53	0.0	-4.95e-04	2.79e-04
2409	224	-12.61	-4.71	-0.63	0.0	-4.59e-04	9.69e-05
2409	233	1.59	19.13	0.09	0.0	5.71e-06	3.08e-04
2409	256	-0.98	1.17	-0.25	0.0	-1.06e-04	4.69e-05
2409	264	-1.22	1.02	-0.25	0.0	-1.07e-04	4.31e-05
2409	276	-0.45	1.85	-0.20	0.0	-7.75e-05	3.92e-05
2409	298	-0.43	0.93	-0.20	0.0	-7.10e-05	3.51e-05
2409	305	-0.56	0.88	-0.20	0.0	-7.36e-05	3.42e-05
2409	307	-0.41	1.05	-0.19	0.0	-6.76e-05	3.34e-05
2409	310	-0.41	0.88	-0.19	0.0	-6.76e-05	3.33e-05
2410	28	-1.52	1.79	-0.37	0.0	-1.52e-04	7.56e-05
2410	44	-1.87	1.55	-0.35	0.0	-1.55e-04	7.05e-05
2410	68	-0.69	2.82	-0.29	0.0	-1.11e-04	5.99e-05
2410	123	-10.86	3.96	-0.47	0.0	-3.83e-04	1.03e-04
2410	128	-10.06	-3.18	-0.54	0.0	-3.56e-04	-3.20e-05
2410	137	1.15	14.37	0.01	0.0	-1.31e-05	2.72e-04
2410	155	-12.15	4.36	-0.50	0.0	-4.22e-04	1.12e-04
2410	160	-11.26	-3.72	-0.59	0.0	-3.92e-04	-4.05e-05
2410	169	1.34	16.13	0.04	0.0	-6.41e-06	3.02e-04
2410	187	-11.96	4.51	-0.49	0.0	-4.16e-04	1.16e-04
2410	192	-11.09	-3.84	-0.58	0.0	-3.86e-04	-3.84e-05
2410	201	1.30	16.53	0.04	0.0	-7.21e-06	2.99e-04
2410	219	-13.83	5.25	-0.54	0.0	-4.72e-04	1.33e-04
2410	224	-12.81	-4.74	-0.65	0.0	-4.38e-04	-5.09e-05
2410	233	1.59	19.48	0.09	0.0	3.04e-06	3.44e-04
2410	256	-1.03	1.24	-0.26	0.0	-1.05e-04	5.24e-05
2410	264	-1.27	1.08	-0.25	0.0	-1.07e-04	4.90e-05
2410	276	-0.49	1.93	-0.21	0.0	-7.78e-05	4.19e-05
2410	298	-0.47	0.98	-0.21	0.0	-7.11e-05	3.84e-05
2410	305	-0.60	0.93	-0.21	0.0	-7.37e-05	3.77e-05
2410	307	-0.44	1.10	-0.20	0.0	-6.78e-05	3.63e-05
2410	310	-0.44	0.93	-0.20	0.0	-6.78e-05	3.62e-05
2411	35	-1.35	1.59	-0.30	0.0	-1.41e-04	6.73e-05
2411	44	-1.76	1.49	-0.30	0.0	-1.48e-04	6.24e-05
2411	68	-0.61	2.73	-0.21	0.0	-1.07e-04	5.72e-05
2411	123	-10.62	3.85	-0.42	0.0	-4.99e-04	2.12e-04
2411	128	-9.84	-3.17	-0.62	0.0	-4.63e-04	8.01e-05
2411	137	1.19	14.10	0.29	0.0	4.42e-06	2.43e-04
2411	155	-11.89	4.25	-0.45	0.0	-5.52e-04	2.34e-04
2411	160	-11.01	-3.70	-0.68	0.0	-5.13e-04	8.58e-05
2411	169	1.38	15.84	0.35	0.0	1.30e-05	2.69e-04
2411	187	-11.71	4.39	-0.44	0.0	-5.44e-04	2.35e-04

2411	201	1.35	16.23	0.36	0.0	1.19e-05	2.64e-04
2411	208	-2.40	-13.51	-0.69	0.0	-1.45e-04	-7.61e-05
2411	219	-13.55	5.12	-0.48	0.0	-6.21e-04	2.71e-04
2411	233	1.63	19.13	0.45	0.0	2.50e-05	3.04e-04
2411	240	-2.72	-16.24	-0.79	0.0	-1.58e-04	-9.54e-05
2411	259	-0.92	1.11	-0.21	0.0	-9.78e-05	4.70e-05
2411	264	-1.20	1.04	-0.21	0.0	-1.02e-04	4.37e-05
2411	276	-0.43	1.86	-0.15	0.0	-7.49e-05	4.03e-05
2411	305	-0.54	0.89	-0.17	0.0	-7.06e-05	3.45e-05
2411	307	-0.39	1.05	-0.16	0.0	-6.51e-05	3.38e-05
2411	310	-0.39	0.88	-0.16	0.0	-6.51e-05	3.38e-05
2412	35	-1.42	1.67	-0.32	3.74e-04	-7.06e-04	3.28e-05
2412	44	-1.84	1.56	-0.31	2.85e-04	-5.52e-04	3.75e-05
2412	68	-0.66	2.82	-0.22	3.37e-04	-5.20e-04	2.57e-05
2412	123	-10.86	3.96	-0.42	1.30e-05	-4.27e-04	1.05e-04
2412	128	-10.06	-3.18	-0.62	-1.07e-04	-5.02e-04	-6.67e-05
2412	137	1.20	14.36	0.27	4.26e-04	-9.03e-05	2.86e-04
2412	155	-12.16	4.37	-0.45	-5.07e-06	-4.45e-04	1.18e-04
2412	160	-11.26	-3.72	-0.68	-1.41e-04	-5.31e-04	-7.69e-05
2412	169	1.39	16.13	0.33	4.61e-04	-6.67e-05	3.21e-04
2412	187	-11.97	4.51	-0.44	1.26e-06	-4.40e-04	1.23e-04
2412	201	1.35	16.52	0.34	4.67e-04	-6.35e-05	3.22e-04
2412	208	-2.47	-13.70	-0.69	-1.48e-04	-4.87e-04	-2.06e-04
2412	219	-13.85	5.25	-0.48	-2.21e-05	-4.65e-04	1.47e-04
2412	233	1.65	19.48	0.43	5.24e-04	-2.46e-05	3.78e-04
2412	240	-2.80	-16.48	-0.78	-2.05e-04	-5.26e-04	-2.47e-04
2412	259	-0.97	1.16	-0.23	2.60e-04	-4.96e-04	2.26e-05
2412	264	-1.25	1.08	-0.22	2.00e-04	-3.93e-04	2.58e-05
2412	276	-0.47	1.93	-0.17	2.35e-04	-3.72e-04	1.79e-05
2412	301	-0.44	0.96	-0.18	1.84e-04	-3.16e-04	1.42e-05
2412	305	-0.58	0.93	-0.18	1.59e-04	-2.75e-04	1.59e-05
2412	307	-0.42	1.10	-0.16	1.66e-04	-2.71e-04	1.43e-05
2412	310	-0.42	0.93	-0.17	1.63e-04	-2.73e-04	1.39e-05
2413	28	-0.82	0.70	-1.83	-3.56e-04	0.0	8.06e-05
2413	44	-1.20	0.62	-1.62	-3.13e-04	0.0	7.44e-05
2413	68	-0.14	1.56	-1.61	-4.13e-04	0.0	5.75e-05
2413	123	-8.71	3.36	-1.38	-4.60e-04	0.0	1.24e-04
2413	137	0.80	10.64	-1.23	-1.35e-03	0.0	4.59e-05
2413	143	-3.44	10.02	-1.40	-1.27e-03	0.0	-1.59e-05
2413	155	-9.78	3.76	-1.43	-4.96e-04	0.0	1.35e-04
2413	169	0.91	11.99	-1.26	-1.51e-03	0.0	4.71e-05
2413	175	-3.85	11.29	-1.45	-1.41e-03	0.0	-2.23e-05
2413	187	-9.62	3.88	-1.42	-5.09e-04	0.0	1.35e-04
2413	199	-4.63	11.03	-1.46	-1.38e-03	0.0	2.81e-04
2413	201	0.92	12.30	-1.27	-1.54e-03	0.0	5.30e-05
2413	219	-11.17	4.60	-1.50	-5.77e-04	0.0	1.52e-04
2413	231	-5.38	13.21	-1.56	-1.62e-03	0.0	3.29e-04
2413	233	1.10	14.57	-1.33	-1.80e-03	0.0	5.76e-05
2413	256	-0.55	0.49	-1.28	-2.47e-04	0.0	5.59e-05
2413	264	-0.81	0.43	-1.14	-2.18e-04	0.0	5.17e-05
2413	276	-0.10	1.05	-1.14	-2.85e-04	0.0	4.05e-05
2413	298	-0.12	0.38	-1.03	-1.95e-04	0.0	4.18e-05
2413	305	-0.25	0.36	-0.98	-1.86e-04	0.0	4.09e-05
2413	307	-0.11	0.49	-0.98	-1.99e-04	0.0	3.86e-05
2413	310	-0.11	0.36	-0.98	-1.84e-04	0.0	3.95e-05
2414	44	-1.20	0.59	-1.79	-3.59e-04	0.0	8.80e-05
2414	52	-0.17	1.24	-2.02	-4.70e-04	0.0	8.60e-05
2414	68	-0.13	1.53	-1.79	-4.56e-04	0.0	7.04e-05
2414	123	-8.72	3.31	-1.51	-4.69e-04	0.0	1.40e-04
2414	137	0.81	10.62	-1.46	-1.31e-03	0.0	4.55e-05
2414	143	-3.44	9.99	-1.63	-1.23e-03	0.0	-1.53e-05
2414	155	-9.78	3.71	-1.56	-5.03e-04	0.0	1.52e-04
2414	169	0.92	11.97	-1.51	-1.46e-03	0.0	4.54e-05
2414	175	-3.85	11.26	-1.70	-1.36e-03	0.0	-2.28e-05
2414	187	-9.63	3.83	-1.56	-5.15e-04	0.0	1.52e-04
2414	201	0.92	12.27	-1.52	-1.49e-03	0.0	4.96e-05
2414	207	-3.76	11.56	-1.71	-1.39e-03	0.0	-1.75e-05
2414	219	-11.18	4.53	-1.65	-5.78e-04	0.0	1.72e-04
2414	233	1.11	14.54	-1.61	-1.73e-03	0.0	5.14e-05
2414	239	-4.34	13.68	-1.83	-1.62e-03	0.0	-2.72e-05
2414	264	-0.81	0.41	-1.26	-2.50e-04	0.0	6.12e-05
2414	268	-0.12	0.84	-1.41	-3.24e-04	0.0	5.99e-05
2414	276	-0.10	1.04	-1.26	-3.15e-04	0.0	4.95e-05
2414	298	-0.11	0.36	-1.13	-2.26e-04	0.0	5.07e-05
2414	305	-0.24	0.34	-1.08	-2.15e-04	0.0	4.92e-05

2414	307	-0.10	0.47	-1.09	-2.28e-04	0.0	4.69e-05
2414	310	-0.11	0.34	-1.08	-2.13e-04	0.0	4.79e-05
2415	44	-1.19	0.55	-1.89	-4.01e-04	0.0	1.21e-04
2415	52	-0.16	1.20	-2.15	-5.18e-04	0.0	1.24e-04
2415	68	-0.13	1.50	-1.91	-4.95e-04	0.0	1.02e-04
2415	123	-8.72	3.25	-1.60	-5.53e-04	0.0	1.72e-04
2415	137	0.81	10.57	-1.65	-1.30e-03	0.0	5.38e-05
2415	139	-2.81	9.13	-1.83	-1.15e-03	0.0	-7.93e-05
2415	155	-9.79	3.64	-1.66	-5.94e-04	0.0	1.85e-04
2415	169	0.93	11.92	-1.71	-1.44e-03	0.0	5.20e-05
2415	171	-3.14	10.29	-1.92	-1.27e-03	0.0	-9.74e-05
2415	187	-9.63	3.76	-1.66	-6.05e-04	0.0	1.86e-04
2415	201	0.93	12.23	-1.73	-1.47e-03	0.0	5.50e-05
2415	203	-3.05	10.57	-1.93	-1.30e-03	0.0	-9.18e-05
2415	219	-11.18	4.46	-1.75	-6.78e-04	0.0	2.08e-04
2415	233	1.11	14.48	-1.85	-1.70e-03	0.0	5.34e-05
2415	235	-3.53	12.52	-2.08	-1.50e-03	0.0	-1.18e-04
2415	264	-0.80	0.38	-1.33	-2.80e-04	0.0	8.45e-05
2415	268	-0.11	0.81	-1.50	-3.58e-04	0.0	8.61e-05
2415	276	-0.09	1.02	-1.34	-3.42e-04	0.0	7.16e-05
2415	298	-0.11	0.34	-1.20	-2.55e-04	0.0	7.24e-05
2415	305	-0.24	0.32	-1.15	-2.42e-04	0.0	6.98e-05
2415	307	-0.10	0.45	-1.15	-2.55e-04	0.0	6.72e-05
2415	310	-0.10	0.32	-1.14	-2.41e-04	0.0	6.83e-05
2416	44	-1.38	1.04	-0.39	-2.80e-04	0.0	2.41e-05
2416	52	-0.41	1.73	-0.48	-3.70e-04	0.0	1.26e-05
2416	68	-0.35	2.00	-0.43	-3.65e-04	0.0	1.33e-05
2416	121	7.99	4.31	-0.47	-5.21e-04	0.0	5.11e-05
2416	123	-9.25	3.53	-0.12	-4.45e-04	0.0	9.65e-05
2416	129	0.80	12.61	-0.42	-1.30e-03	0.0	3.08e-04
2416	153	9.01	4.81	-0.50	-5.68e-04	0.0	5.71e-05
2416	155	-10.37	3.93	-0.11	-4.82e-04	0.0	1.08e-04
2416	161	0.92	14.22	-0.45	-1.46e-03	0.0	3.46e-04
2416	185	8.86	4.95	-0.49	-5.81e-04	0.0	5.97e-05
2416	187	-10.21	4.08	-0.11	-4.96e-04	0.0	1.08e-04
2416	193	0.89	14.74	-0.45	-1.50e-03	0.0	3.49e-04
2416	217	10.33	5.84	-0.53	-6.65e-04	0.0	7.16e-05
2416	219	-11.83	4.81	-0.09	-5.65e-04	0.0	1.28e-04
2416	225	1.08	17.65	-0.49	-1.78e-03	0.0	4.15e-04
2416	264	-0.93	0.72	-0.28	-1.96e-04	0.0	1.66e-05
2416	268	-0.29	1.18	-0.34	-2.56e-04	0.0	8.88e-06
2416	276	-0.24	1.36	-0.31	-2.52e-04	0.0	9.37e-06
2416	298	-0.24	0.60	-0.28	-1.75e-04	0.0	5.67e-06
2416	305	-0.36	0.58	-0.26	-1.67e-04	0.0	7.43e-06
2416	307	-0.23	0.71	-0.27	-1.78e-04	0.0	5.98e-06
2416	310	-0.23	0.57	-0.26	-1.66e-04	0.0	5.52e-06
2417	44	-1.48	1.19	-0.40	-2.78e-04	0.0	4.54e-05
2417	52	-0.47	1.93	-0.49	-3.68e-04	0.0	3.99e-05
2417	68	-0.40	2.20	-0.44	-3.61e-04	0.0	4.04e-05
2417	121	8.19	4.57	-0.48	-5.03e-04	0.0	1.04e-04
2417	123	-9.54	3.78	-0.13	-4.26e-04	0.0	6.82e-05
2417	129	0.79	13.30	-0.44	-1.24e-03	0.0	3.24e-04
2417	153	9.24	5.09	-0.51	-5.47e-04	0.0	1.15e-04
2417	155	-10.69	4.20	-0.11	-4.60e-04	0.0	7.50e-05
2417	161	0.92	14.99	-0.46	-1.38e-03	0.0	3.63e-04
2417	185	9.09	5.25	-0.50	-5.59e-04	0.0	1.15e-04
2417	187	-10.53	4.36	-0.11	-4.73e-04	0.0	7.77e-05
2417	193	0.89	15.54	-0.46	-1.43e-03	0.0	3.67e-04
2417	217	10.60	6.18	-0.54	-6.39e-04	0.0	1.33e-04
2417	219	-12.20	5.13	-0.09	-5.37e-04	0.0	9.06e-05
2417	225	1.08	18.59	-0.50	-1.68e-03	0.0	4.34e-04
2417	264	-1.00	0.83	-0.28	-1.95e-04	0.0	3.14e-05
2417	268	-0.33	1.32	-0.35	-2.54e-04	0.0	2.78e-05
2417	276	-0.28	1.50	-0.31	-2.50e-04	0.0	2.81e-05
2417	298	-0.28	0.70	-0.28	-1.75e-04	0.0	1.85e-05
2417	305	-0.40	0.67	-0.27	-1.66e-04	0.0	1.97e-05
2417	307	-0.26	0.81	-0.27	-1.77e-04	0.0	1.90e-05
2417	310	-0.26	0.66	-0.27	-1.66e-04	0.0	1.77e-05
2418	44	-1.56	1.34	-0.40	-2.69e-04	0.0	7.75e-05
2418	52	-0.54	2.13	-0.50	-3.55e-04	0.0	8.06e-05
2418	68	-0.46	2.39	-0.45	-3.47e-04	0.0	7.87e-05
2418	121	8.39	4.82	-0.49	-4.69e-04	0.0	1.31e-04
2418	123	-9.83	4.02	-0.13	-3.91e-04	0.0	1.02e-04
2418	129	0.79	13.95	-0.44	-1.13e-03	0.0	3.87e-04
2418	153	9.47	5.37	-0.51	-5.09e-04	0.0	1.43e-04

2418	155	-11.01	4.46	-0.11	-4.22e-04	0.0	1.11e-04
2418	161	0.92	15.71	-0.46	-1.26e-03	0.0	4.32e-04
2418	185	9.31	5.53	-0.51	-5.20e-04	0.0	1.44e-04
2418	187	-10.85	4.62	-0.12	-4.34e-04	0.0	1.14e-04
2418	193	0.89	16.28	-0.47	-1.30e-03	0.0	4.38e-04
2418	217	10.87	6.50	-0.55	-5.92e-04	0.0	1.65e-04
2418	219	-12.56	5.43	-0.09	-4.91e-04	0.0	1.31e-04
2418	225	1.09	19.47	-0.51	-1.53e-03	0.0	5.16e-04
2418	264	-1.06	0.93	-0.29	-1.88e-04	0.0	5.39e-05
2418	268	-0.37	1.46	-0.35	-2.45e-04	0.0	5.59e-05
2418	276	-0.32	1.63	-0.32	-2.40e-04	0.0	5.47e-05
2418	298	-0.31	0.79	-0.29	-1.70e-04	0.0	3.88e-05
2418	305	-0.44	0.76	-0.27	-1.61e-04	0.0	3.89e-05
2418	307	-0.29	0.90	-0.28	-1.72e-04	0.0	3.91e-05
2418	310	-0.30	0.75	-0.27	-1.61e-04	0.0	3.70e-05
2419	44	-1.38	1.02	-0.40	-2.66e-04	0.0	3.55e-05
2419	52	-0.41	1.71	-0.48	-3.51e-04	0.0	2.61e-05
2419	68	-0.35	1.99	-0.43	-3.45e-04	0.0	2.42e-05
2419	121	7.99	4.26	-0.38	-5.10e-04	0.0	1.06e-04
2419	123	-9.25	3.50	-0.19	-4.36e-04	0.0	7.08e-05
2419	129	0.80	12.47	-0.36	-1.29e-03	0.0	3.42e-04
2419	153	9.01	4.75	-0.40	-5.56e-04	0.0	1.18e-04
2419	155	-10.37	3.89	-0.18	-4.73e-04	0.0	7.85e-05
2419	161	0.92	14.05	-0.37	-1.44e-03	0.0	3.84e-04
2419	185	8.86	4.90	-0.40	-5.69e-04	0.0	1.18e-04
2419	187	-10.21	4.04	-0.18	-4.86e-04	0.0	8.17e-05
2419	193	0.89	14.57	-0.37	-1.48e-03	0.0	3.88e-04
2419	217	10.33	5.78	-0.42	-6.52e-04	0.0	1.38e-04
2419	219	-11.83	4.76	-0.16	-5.54e-04	0.0	9.65e-05
2419	225	1.08	17.45	-0.39	-1.75e-03	0.0	4.61e-04
2419	264	-0.93	0.71	-0.28	-1.86e-04	0.0	2.45e-05
2419	268	-0.29	1.17	-0.34	-2.43e-04	0.0	1.82e-05
2419	276	-0.24	1.35	-0.30	-2.38e-04	0.0	1.70e-05
2419	298	-0.24	0.60	-0.28	-1.67e-04	0.0	1.34e-05
2419	305	-0.36	0.58	-0.26	-1.59e-04	0.0	1.46e-05
2419	307	-0.23	0.70	-0.27	-1.69e-04	0.0	1.31e-05
2419	310	-0.23	0.56	-0.27	-1.58e-04	0.0	1.28e-05
2420	44	-1.47	1.16	-0.41	-2.60e-04	0.0	5.05e-05
2420	52	-0.47	1.90	-0.49	-3.44e-04	0.0	4.59e-05
2420	68	-0.40	2.17	-0.44	-3.37e-04	0.0	4.42e-05
2420	121	8.19	4.52	-0.39	-4.80e-04	0.0	1.19e-04
2420	123	-9.54	3.74	-0.19	-4.10e-04	0.0	8.56e-05
2420	129	0.79	13.15	-0.36	-1.20e-03	0.0	3.72e-04
2420	153	9.24	5.03	-0.41	-5.23e-04	0.0	1.31e-04
2420	155	-10.69	4.15	-0.18	-4.44e-04	0.0	9.41e-05
2420	161	0.92	14.81	-0.38	-1.33e-03	0.0	4.17e-04
2420	185	9.09	5.19	-0.40	-5.35e-04	0.0	1.32e-04
2420	187	-10.53	4.31	-0.18	-4.56e-04	0.0	9.77e-05
2420	193	0.89	15.36	-0.38	-1.38e-03	0.0	4.22e-04
2420	217	10.60	6.11	-0.43	-6.12e-04	0.0	1.53e-04
2420	219	-12.20	5.07	-0.17	-5.19e-04	0.0	1.14e-04
2420	225	1.08	18.37	-0.40	-1.63e-03	0.0	5.00e-04
2420	264	-0.99	0.81	-0.29	-1.82e-04	0.0	3.50e-05
2420	268	-0.33	1.30	-0.34	-2.38e-04	0.0	3.19e-05
2420	276	-0.28	1.48	-0.31	-2.33e-04	0.0	3.08e-05
2420	298	-0.28	0.68	-0.28	-1.64e-04	0.0	2.25e-05
2420	305	-0.40	0.66	-0.27	-1.56e-04	0.0	2.33e-05
2420	307	-0.26	0.79	-0.27	-1.66e-04	0.0	2.25e-05
2420	310	-0.26	0.65	-0.27	-1.55e-04	0.0	2.14e-05
2421	44	-1.56	1.30	-0.41	-2.52e-04	0.0	6.78e-05
2421	52	-0.54	2.08	-0.49	-3.33e-04	0.0	6.83e-05
2421	68	-0.46	2.35	-0.44	-3.26e-04	0.0	6.59e-05
2421	121	8.39	4.75	-0.40	-4.38e-04	0.0	1.38e-04
2421	123	-9.83	3.96	-0.19	-3.72e-04	0.0	1.07e-04
2421	129	0.79	13.76	-0.37	-1.07e-03	0.0	4.21e-04
2421	153	9.47	5.29	-0.41	-4.76e-04	0.0	1.52e-04
2421	155	-11.01	4.39	-0.18	-4.02e-04	0.0	1.17e-04
2421	161	0.92	15.49	-0.38	-1.19e-03	0.0	4.71e-04
2421	185	9.31	5.45	-0.41	-4.86e-04	0.0	1.53e-04
2421	187	-10.84	4.55	-0.18	-4.13e-04	0.0	1.22e-04
2421	193	0.89	16.06	-0.38	-1.22e-03	0.0	4.79e-04
2421	217	10.87	6.41	-0.43	-5.55e-04	0.0	1.77e-04
2421	219	-12.56	5.35	-0.17	-4.67e-04	0.0	1.41e-04
2421	225	1.09	19.20	-0.41	-1.44e-03	0.0	5.66e-04
2421	264	-1.05	0.90	-0.29	-1.76e-04	0.0	4.71e-05

2421	268	-0.37	1.43	-0.35	-2.30e-04	0.0	4.74e-05
2421	276	-0.32	1.60	-0.32	-2.26e-04	0.0	4.58e-05
2421	298	-0.31	0.77	-0.29	-1.59e-04	0.0	3.34e-05
2421	305	-0.44	0.74	-0.27	-1.51e-04	0.0	3.36e-05
2421	307	-0.29	0.88	-0.27	-1.61e-04	0.0	3.34e-05
2421	310	-0.30	0.73	-0.27	-1.51e-04	0.0	3.17e-05
2422	44	-1.38	1.00	-0.40	-2.54e-04	0.0	3.69e-05
2422	52	-0.41	1.70	-0.47	-3.35e-04	0.0	2.77e-05
2422	68	-0.35	1.97	-0.42	-3.28e-04	0.0	2.47e-05
2422	121	7.99	4.20	-0.33	-4.94e-04	0.0	1.12e-04
2422	123	-9.25	3.45	-0.22	-4.24e-04	0.0	7.82e-05
2422	137	1.15	12.31	-0.31	-1.23e-03	0.0	1.90e-04
2422	153	9.01	4.69	-0.34	-5.39e-04	0.0	1.24e-04
2422	155	-10.37	3.84	-0.21	-4.60e-04	0.0	8.68e-05
2422	161	0.92	13.88	-0.32	-1.40e-03	0.0	4.07e-04
2422	185	8.86	4.84	-0.34	-5.52e-04	0.0	1.25e-04
2422	187	-10.21	3.99	-0.21	-4.73e-04	0.0	9.03e-05
2422	193	0.89	14.39	-0.32	-1.45e-03	0.0	4.12e-04
2422	217	10.33	5.70	-0.35	-6.33e-04	0.0	1.46e-04
2422	219	-11.83	4.71	-0.21	-5.40e-04	0.0	1.07e-04
2422	225	1.08	17.23	-0.33	-1.71e-03	0.0	4.89e-04
2422	264	-0.93	0.69	-0.28	-1.77e-04	0.0	2.54e-05
2422	268	-0.29	1.16	-0.33	-2.32e-04	0.0	1.93e-05
2422	276	-0.24	1.34	-0.30	-2.27e-04	0.0	1.73e-05
2422	298	-0.24	0.59	-0.27	-1.60e-04	0.0	1.48e-05
2422	305	-0.36	0.57	-0.26	-1.52e-04	0.0	1.58e-05
2422	307	-0.23	0.70	-0.26	-1.62e-04	0.0	1.42e-05
2422	310	-0.23	0.55	-0.26	-1.52e-04	0.0	1.40e-05
2423	44	-1.47	1.13	-0.41	-2.50e-04	0.0	4.66e-05
2423	52	-0.47	1.88	-0.48	-3.30e-04	0.0	4.06e-05
2423	68	-0.40	2.15	-0.43	-3.23e-04	0.0	3.79e-05
2423	121	8.19	4.46	-0.34	-4.65e-04	0.0	1.24e-04
2423	123	-9.54	3.69	-0.22	-3.98e-04	0.0	9.13e-05
2423	129	0.79	12.97	-0.32	-1.16e-03	0.0	3.95e-04
2423	153	9.24	4.96	-0.34	-5.06e-04	0.0	1.37e-04
2423	155	-10.69	4.10	-0.21	-4.32e-04	0.0	1.01e-04
2423	161	0.92	14.61	-0.33	-1.30e-03	0.0	4.44e-04
2423	185	9.09	5.12	-0.34	-5.18e-04	0.0	1.38e-04
2423	187	-10.53	4.25	-0.22	-4.44e-04	0.0	1.05e-04
2423	193	0.89	15.15	-0.33	-1.34e-03	0.0	4.51e-04
2423	217	10.60	6.03	-0.36	-5.92e-04	0.0	1.61e-04
2423	219	-12.20	5.00	-0.21	-5.05e-04	0.0	1.23e-04
2423	225	1.08	18.13	-0.34	-1.58e-03	0.0	5.34e-04
2423	264	-0.99	0.79	-0.29	-1.75e-04	0.0	3.22e-05
2423	268	-0.33	1.28	-0.34	-2.28e-04	0.0	2.83e-05
2423	276	-0.28	1.46	-0.30	-2.24e-04	0.0	2.64e-05
2423	298	-0.28	0.67	-0.28	-1.57e-04	0.0	2.07e-05
2423	305	-0.40	0.65	-0.27	-1.50e-04	0.0	2.14e-05
2423	307	-0.26	0.78	-0.27	-1.59e-04	0.0	2.03e-05
2423	310	-0.26	0.63	-0.27	-1.49e-04	0.0	1.96e-05
2424	44	-1.56	1.26	-0.41	-2.45e-04	0.0	5.40e-05
2424	52	-0.54	2.05	-0.49	-3.25e-04	0.0	5.04e-05
2424	68	-0.46	2.32	-0.43	-3.18e-04	0.0	4.76e-05
2424	121	8.39	4.68	-0.34	-4.26e-04	0.0	1.35e-04
2424	123	-9.83	3.90	-0.22	-3.64e-04	0.0	1.02e-04
2424	129	0.79	13.56	-0.32	-1.04e-03	0.0	4.25e-04
2424	153	9.47	5.21	-0.35	-4.62e-04	0.0	1.49e-04
2424	155	-11.01	4.33	-0.22	-3.93e-04	0.0	1.13e-04
2424	161	0.92	15.27	-0.33	-1.16e-03	0.0	4.77e-04
2424	185	9.31	5.37	-0.35	-4.72e-04	0.0	1.50e-04
2424	187	-10.84	4.48	-0.22	-4.04e-04	0.0	1.17e-04
2424	193	0.89	15.83	-0.33	-1.19e-03	0.0	4.84e-04
2424	217	10.86	6.32	-0.36	-5.38e-04	0.0	1.74e-04
2424	219	-12.56	5.27	-0.21	-4.57e-04	0.0	1.37e-04
2424	225	1.09	18.93	-0.34	-1.41e-03	0.0	5.74e-04
2424	264	-1.05	0.88	-0.29	-1.72e-04	0.0	3.74e-05
2424	268	-0.37	1.40	-0.34	-2.24e-04	0.0	3.50e-05
2424	276	-0.32	1.58	-0.31	-2.20e-04	0.0	3.31e-05
2424	298	-0.31	0.75	-0.28	-1.55e-04	0.0	2.53e-05
2424	305	-0.44	0.73	-0.27	-1.47e-04	0.0	2.58e-05
2424	307	-0.29	0.87	-0.27	-1.57e-04	0.0	2.49e-05
2424	310	-0.30	0.71	-0.27	-1.47e-04	0.0	2.40e-05
2425	4	-0.11	1.01	-0.46	-2.79e-04	0.0	1.93e-05
2425	44	-1.37	0.98	-0.40	-2.46e-04	0.0	3.32e-05
2425	68	-0.35	1.96	-0.41	-3.17e-04	0.0	2.00e-05

2425	121	7.99	4.15	-0.29	-4.81e-04	0.0	1.12e-04
2425	123	-9.25	3.41	-0.23	-4.14e-04	0.0	7.85e-05
2425	137	1.15	12.25	-0.28	-1.21e-03	0.0	1.91e-04
2425	153	9.01	4.63	-0.30	-5.25e-04	0.0	1.25e-04
2425	155	-10.37	3.79	-0.23	-4.50e-04	0.0	8.73e-05
2425	169	1.31	13.79	-0.29	-1.35e-03	0.0	2.13e-04
2425	185	8.86	4.77	-0.30	-5.37e-04	0.0	1.26e-04
2425	187	-10.21	3.94	-0.23	-4.63e-04	0.0	9.10e-05
2425	193	0.89	14.20	-0.29	-1.41e-03	0.0	4.20e-04
2425	217	10.33	5.63	-0.31	-6.17e-04	0.0	1.47e-04
2425	219	-11.83	4.65	-0.22	-5.28e-04	0.0	1.08e-04
2425	225	1.08	17.00	-0.30	-1.67e-03	0.0	4.99e-04
2425	244	-0.09	0.70	-0.32	-1.94e-04	0.0	1.36e-05
2425	264	-0.93	0.68	-0.28	-1.72e-04	0.0	2.29e-05
2425	276	-0.24	1.33	-0.29	-2.20e-04	0.0	1.41e-05
2425	298	-0.24	0.58	-0.27	-1.55e-04	0.0	1.28e-05
2425	305	-0.36	0.56	-0.26	-1.47e-04	0.0	1.38e-05
2425	307	-0.23	0.69	-0.26	-1.57e-04	0.0	1.21e-05
2425	310	-0.23	0.55	-0.26	-1.47e-04	0.0	1.21e-05
2426	4	-0.17	1.16	-0.47	-2.78e-04	0.0	2.54e-05
2426	44	-1.47	1.11	-0.40	-2.44e-04	0.0	3.88e-05
2426	68	-0.40	2.13	-0.42	-3.16e-04	0.0	2.75e-05
2426	121	8.19	4.39	-0.30	-4.54e-04	0.0	1.22e-04
2426	123	-9.54	3.64	-0.23	-3.91e-04	0.0	8.86e-05
2426	137	1.15	12.89	-0.29	-1.13e-03	0.0	2.11e-04
2426	153	9.24	4.89	-0.31	-4.95e-04	0.0	1.35e-04
2426	155	-10.69	4.04	-0.23	-4.24e-04	0.0	9.84e-05
2426	169	1.33	14.50	-0.29	-1.26e-03	0.0	2.35e-04
2426	185	9.09	5.05	-0.31	-5.06e-04	0.0	1.36e-04
2426	187	-10.53	4.19	-0.23	-4.36e-04	0.0	1.02e-04
2426	193	0.89	14.94	-0.30	-1.31e-03	0.0	4.54e-04
2426	217	10.60	5.94	-0.31	-5.79e-04	0.0	1.59e-04
2426	219	-12.20	4.93	-0.23	-4.96e-04	0.0	1.21e-04
2426	225	1.08	17.88	-0.30	-1.55e-03	0.0	5.39e-04
2426	244	-0.13	0.80	-0.33	-1.93e-04	0.0	1.78e-05
2426	264	-0.99	0.77	-0.29	-1.71e-04	0.0	2.67e-05
2426	276	-0.28	1.45	-0.30	-2.19e-04	0.0	1.92e-05
2426	298	-0.28	0.66	-0.27	-1.54e-04	0.0	1.62e-05
2426	305	-0.40	0.64	-0.26	-1.46e-04	0.0	1.71e-05
2426	307	-0.26	0.77	-0.26	-1.56e-04	0.0	1.56e-05
2426	310	-0.26	0.62	-0.26	-1.46e-04	0.0	1.53e-05
2427	4	-0.22	1.31	-0.47	-2.77e-04	0.0	2.85e-05
2427	44	-1.55	1.24	-0.41	-2.44e-04	0.0	4.16e-05
2427	68	-0.46	2.30	-0.42	-3.15e-04	0.0	3.15e-05
2427	121	8.39	4.62	-0.30	-4.19e-04	0.0	1.28e-04
2427	123	-9.83	3.85	-0.24	-3.60e-04	0.0	9.46e-05
2427	137	1.16	13.47	-0.29	-1.03e-03	0.0	2.23e-04
2427	153	9.46	5.14	-0.31	-4.55e-04	0.0	1.42e-04
2427	155	-11.01	4.27	-0.23	-3.89e-04	0.0	1.05e-04
2427	169	1.34	15.15	-0.30	-1.15e-03	0.0	2.49e-04
2427	185	9.31	5.30	-0.31	-4.65e-04	0.0	1.43e-04
2427	187	-10.84	4.42	-0.23	-4.00e-04	0.0	1.09e-04
2427	193	0.89	15.61	-0.30	-1.17e-03	0.0	4.76e-04
2427	217	10.86	6.23	-0.32	-5.30e-04	0.0	1.67e-04
2427	219	-12.56	5.20	-0.23	-4.52e-04	0.0	1.29e-04
2427	225	1.09	18.66	-0.31	-1.38e-03	0.0	5.66e-04
2427	244	-0.16	0.91	-0.33	-1.92e-04	0.0	2.00e-05
2427	264	-1.05	0.86	-0.29	-1.70e-04	0.0	2.87e-05
2427	276	-0.32	1.57	-0.30	-2.18e-04	0.0	2.20e-05
2427	298	-0.31	0.74	-0.28	-1.54e-04	0.0	1.79e-05
2427	305	-0.44	0.71	-0.26	-1.46e-04	0.0	1.88e-05
2427	307	-0.29	0.85	-0.27	-1.55e-04	0.0	1.74e-05
2427	310	-0.30	0.70	-0.26	-1.46e-04	0.0	1.70e-05
2428	4	-0.12	1.00	-0.44	-2.74e-04	0.0	1.46e-05
2428	44	-1.37	0.96	-0.38	-2.41e-04	0.0	2.89e-05
2428	68	-0.35	1.95	-0.39	-3.11e-04	0.0	1.48e-05
2428	121	7.99	4.09	-0.27	-4.69e-04	0.0	1.10e-04
2428	123	-9.25	3.37	-0.23	-4.06e-04	0.0	7.62e-05
2428	137	1.15	12.19	-0.26	-1.19e-03	0.0	1.87e-04
2428	153	9.01	4.57	-0.27	-5.12e-04	0.0	1.23e-04
2428	155	-10.37	3.75	-0.23	-4.41e-04	0.0	8.51e-05
2428	169	1.31	13.73	-0.26	-1.33e-03	0.0	2.09e-04
2428	185	8.86	4.71	-0.27	-5.24e-04	0.0	1.24e-04
2428	187	-10.21	3.89	-0.23	-4.53e-04	0.0	8.87e-05
2428	201	1.28	14.09	-0.26	-1.36e-03	0.0	2.05e-04

2428	217	10.33	5.55	-0.28	-6.01e-04	0.0	1.46e-04
2428	219	-11.83	4.59	-0.23	-5.17e-04	0.0	1.06e-04
2428	225	1.08	16.77	-0.27	-1.63e-03	0.0	4.98e-04
2428	244	-0.09	0.69	-0.31	-1.91e-04	0.0	1.03e-05
2428	264	-0.93	0.67	-0.27	-1.68e-04	0.0	1.98e-05
2428	276	-0.24	1.33	-0.28	-2.15e-04	0.0	1.05e-05
2428	298	-0.24	0.57	-0.26	-1.52e-04	0.0	1.02e-05
2428	305	-0.36	0.55	-0.25	-1.44e-04	0.0	1.14e-05
2428	307	-0.23	0.68	-0.25	-1.54e-04	0.0	9.51e-06
2428	310	-0.23	0.54	-0.25	-1.44e-04	0.0	9.65e-06
2429	4	-0.17	1.15	-0.45	-2.75e-04	0.0	1.79e-05
2429	44	-1.46	1.09	-0.39	-2.42e-04	0.0	3.18e-05
2429	68	-0.40	2.12	-0.40	-3.12e-04	0.0	1.88e-05
2429	121	8.19	4.33	-0.27	-4.46e-04	0.0	1.18e-04
2429	123	-9.54	3.59	-0.24	-3.86e-04	0.0	8.43e-05
2429	137	1.15	12.82	-0.27	-1.12e-03	0.0	2.02e-04
2429	153	9.24	4.83	-0.28	-4.86e-04	0.0	1.32e-04
2429	155	-10.69	3.99	-0.23	-4.18e-04	0.0	9.41e-05
2429	169	1.33	14.43	-0.27	-1.25e-03	0.0	2.26e-04
2429	185	9.09	4.98	-0.28	-4.97e-04	0.0	1.33e-04
2429	187	-10.53	4.13	-0.23	-4.29e-04	0.0	9.81e-05
2429	201	1.29	14.81	-0.27	-1.28e-03	0.0	2.22e-04
2429	217	10.60	5.86	-0.28	-5.68e-04	0.0	1.56e-04
2429	219	-12.19	4.87	-0.23	-4.88e-04	0.0	1.17e-04
2429	225	1.08	17.63	-0.27	-1.52e-03	0.0	5.34e-04
2429	244	-0.13	0.80	-0.32	-1.91e-04	0.0	1.26e-05
2429	264	-0.99	0.76	-0.28	-1.69e-04	0.0	2.19e-05
2429	276	-0.28	1.44	-0.28	-2.16e-04	0.0	1.32e-05
2429	298	-0.28	0.65	-0.26	-1.53e-04	0.0	1.21e-05
2429	305	-0.40	0.63	-0.25	-1.45e-04	0.0	1.31e-05
2429	307	-0.26	0.76	-0.25	-1.54e-04	0.0	1.14e-05
2429	310	-0.26	0.62	-0.25	-1.45e-04	0.0	1.14e-05
2430	4	-0.22	1.29	-0.45	-2.76e-04	0.0	1.93e-05
2430	44	-1.55	1.22	-0.39	-2.43e-04	0.0	3.32e-05
2430	68	-0.46	2.28	-0.40	-3.14e-04	0.0	2.07e-05
2430	121	8.39	4.56	-0.28	-4.14e-04	0.0	1.23e-04
2430	123	-9.83	3.80	-0.24	-3.58e-04	0.0	8.93e-05
2430	137	1.16	13.39	-0.27	-1.02e-03	0.0	2.12e-04
2430	153	9.46	5.07	-0.28	-4.49e-04	0.0	1.37e-04
2430	155	-11.01	4.21	-0.24	-3.86e-04	0.0	9.96e-05
2430	169	1.34	15.07	-0.27	-1.14e-03	0.0	2.37e-04
2430	185	9.31	5.23	-0.28	-4.59e-04	0.0	1.38e-04
2430	187	-10.84	4.36	-0.24	-3.96e-04	0.0	1.04e-04
2430	201	1.30	15.46	-0.27	-1.16e-03	0.0	2.34e-04
2430	217	10.86	6.15	-0.28	-5.22e-04	0.0	1.62e-04
2430	219	-12.55	5.13	-0.23	-4.48e-04	0.0	1.23e-04
2430	225	1.09	18.41	-0.28	-1.36e-03	0.0	5.58e-04
2430	244	-0.16	0.90	-0.32	-1.92e-04	0.0	1.36e-05
2430	264	-1.05	0.85	-0.28	-1.70e-04	0.0	2.28e-05
2430	276	-0.32	1.56	-0.29	-2.17e-04	0.0	1.45e-05
2430	298	-0.31	0.74	-0.27	-1.53e-04	0.0	1.29e-05
2430	305	-0.44	0.70	-0.25	-1.45e-04	0.0	1.39e-05
2430	307	-0.29	0.85	-0.26	-1.55e-04	0.0	1.23e-05
2430	310	-0.30	0.69	-0.25	-1.45e-04	0.0	1.22e-05
2431	4	-0.12	0.99	-0.42	-2.72e-04	0.0	1.16e-05
2431	44	-1.37	0.95	-0.37	-2.39e-04	0.0	2.61e-05
2431	68	-0.35	1.94	-0.37	-3.09e-04	0.0	1.16e-05
2431	118	7.94	-0.03	-0.25	-9.62e-05	0.0	2.38e-04
2431	123	-9.25	3.33	-0.23	-4.01e-04	0.0	7.51e-05
2431	137	1.15	12.14	-0.24	-1.18e-03	0.0	1.86e-04
2431	150	8.94	-0.10	-0.25	-9.01e-05	0.0	2.66e-04
2431	155	-10.37	3.70	-0.23	-4.35e-04	0.0	8.40e-05
2431	169	1.31	13.67	-0.24	-1.32e-03	0.0	2.08e-04
2431	182	8.79	-0.12	-0.25	-8.95e-05	0.0	2.62e-04
2431	187	-10.21	3.84	-0.23	-4.47e-04	0.0	8.77e-05
2431	201	1.28	14.03	-0.24	-1.35e-03	0.0	2.04e-04
2431	214	10.29	-0.22	-0.25	-8.12e-05	0.0	3.05e-04
2431	219	-11.83	4.53	-0.23	-5.11e-04	0.0	1.05e-04
2431	233	1.52	16.59	-0.24	-1.58e-03	0.0	2.37e-04
2431	244	-0.09	0.69	-0.30	-1.89e-04	0.0	8.25e-06
2431	264	-0.93	0.66	-0.26	-1.67e-04	0.0	1.79e-05
2431	276	-0.24	1.32	-0.26	-2.14e-04	0.0	8.20e-06
2431	298	-0.24	0.57	-0.25	-1.51e-04	0.0	8.58e-06
2431	305	-0.36	0.54	-0.24	-1.43e-04	0.0	9.79e-06
2431	307	-0.23	0.68	-0.24	-1.53e-04	0.0	7.86e-06

2431	310	-0.23	0.53	-0.24	-1.43e-04	0.0	8.08e-06
2432	44	-1.81	1.19	-1.78	0.0	-1.94e-04	9.39e-05
2432	52	-0.79	2.06	-2.02	0.0	-1.64e-04	9.22e-05
2432	68	-0.66	2.32	-1.79	0.0	-1.45e-04	7.33e-05
2432	123	-10.14	4.12	-1.48	0.0	-5.54e-04	-1.25e-04
2432	137	0.62	12.83	-1.51	0.0	-4.98e-05	2.99e-04
2432	139	-3.54	11.10	-1.68	0.0	-2.55e-04	3.40e-05
2432	155	-11.35	4.57	-1.53	0.0	-6.12e-04	-1.46e-04
2432	169	0.75	14.42	-1.57	0.0	-4.52e-05	3.31e-04
2432	171	-3.92	12.47	-1.75	0.0	-2.76e-04	3.28e-05
2432	187	-11.17	4.71	-1.53	0.0	-6.03e-04	-1.38e-04
2432	201	0.76	14.78	-1.59	0.0	-4.60e-05	3.30e-04
2432	203	-3.83	12.80	-1.77	0.0	-2.72e-04	3.58e-05
2432	219	-12.92	5.52	-1.61	0.0	-6.87e-04	-1.64e-04
2432	233	0.96	17.44	-1.69	0.0	-3.90e-05	3.79e-04
2432	235	-4.38	15.10	-1.90	0.0	-3.02e-04	3.56e-05
2432	264	-1.23	0.82	-1.25	0.0	-1.35e-04	6.43e-05
2432	268	-0.55	1.41	-1.41	0.0	-1.15e-04	6.32e-05
2432	276	-0.46	1.58	-1.26	0.0	-1.01e-04	5.06e-05
2432	298	-0.46	0.76	-1.13	0.0	-9.24e-05	5.30e-05
2432	305	-0.58	0.72	-1.08	0.0	-9.47e-05	5.15e-05
2432	307	-0.43	0.87	-1.08	0.0	-8.81e-05	4.88e-05
2432	310	-0.43	0.71	-1.07	0.0	-8.79e-05	4.88e-05
2433	28	-1.14	1.18	-1.43	0.0	-2.70e-04	1.57e-04
2433	44	-1.50	1.02	-1.27	0.0	-2.55e-04	1.33e-04
2433	68	-0.41	2.07	-1.26	0.0	-2.08e-04	1.21e-04
2433	123	-9.48	3.77	-0.99	0.0	-7.42e-04	4.32e-05
2433	137	0.78	11.79	-0.96	0.0	-8.40e-05	3.02e-04
2433	143	-3.84	11.09	-1.05	0.0	-3.86e-04	1.62e-04
2433	155	-10.63	4.19	-1.02	0.0	-8.19e-04	3.95e-05
2433	169	0.92	13.26	-0.98	0.0	-7.87e-05	3.31e-04
2433	175	-4.28	12.47	-1.09	0.0	-4.18e-04	1.73e-04
2433	187	-10.46	4.31	-1.02	0.0	-8.07e-04	4.45e-05
2433	201	0.92	13.59	-0.99	0.0	-7.96e-05	3.30e-04
2433	207	-4.19	12.79	-1.09	0.0	-4.12e-04	1.74e-04
2433	219	-12.12	5.06	-1.06	0.0	-9.18e-04	4.28e-05
2433	233	1.12	16.04	-1.03	0.0	-7.16e-05	3.74e-04
2433	239	-4.82	15.10	-1.15	0.0	-4.58e-04	1.92e-04
2433	256	-0.78	0.82	-1.00	0.0	-1.86e-04	1.07e-04
2433	264	-1.01	0.71	-0.89	0.0	-1.76e-04	9.11e-05
2433	276	-0.29	1.41	-0.89	0.0	-1.45e-04	8.33e-05
2433	298	-0.29	0.65	-0.81	0.0	-1.36e-04	8.49e-05
2433	305	-0.42	0.62	-0.77	0.0	-1.35e-04	8.01e-05
2433	307	-0.27	0.76	-0.77	0.0	-1.28e-04	7.85e-05
2433	310	-0.27	0.61	-0.77	0.0	-1.28e-04	7.85e-05
2434	28	-1.29	1.29	-1.48	0.0	-2.52e-04	1.48e-04
2434	44	-1.64	1.11	-1.31	0.0	-2.40e-04	1.27e-04
2434	68	-0.52	2.21	-1.31	0.0	-1.93e-04	1.12e-04
2434	123	-9.87	3.95	-1.02	0.0	-6.70e-04	-4.03e-05
2434	137	0.74	12.32	-0.99	0.0	-7.87e-05	3.21e-04
2434	143	-4.04	11.59	-1.08	0.0	-3.52e-04	1.40e-04
2434	155	-11.05	4.39	-1.05	0.0	-7.39e-04	-5.37e-05
2434	169	0.88	13.85	-1.01	0.0	-7.40e-05	3.52e-04
2434	175	-4.50	13.03	-1.12	0.0	-3.81e-04	1.49e-04
2434	187	-10.88	4.52	-1.05	0.0	-7.28e-04	-4.68e-05
2434	201	0.88	14.19	-1.02	0.0	-7.50e-05	3.52e-04
2434	207	-4.40	13.36	-1.12	0.0	-3.76e-04	1.52e-04
2434	219	-12.59	5.30	-1.10	0.0	-8.28e-04	-6.23e-05
2434	233	1.09	16.76	-1.06	0.0	-6.79e-05	4.02e-04
2434	239	-5.05	15.76	-1.19	0.0	-4.18e-04	1.68e-04
2434	256	-0.88	0.89	-1.03	0.0	-1.74e-04	1.01e-04
2434	264	-1.11	0.77	-0.92	0.0	-1.66e-04	8.71e-05
2434	276	-0.37	1.50	-0.92	0.0	-1.35e-04	7.71e-05
2434	298	-0.36	0.71	-0.83	0.0	-1.25e-04	7.93e-05
2434	305	-0.49	0.67	-0.80	0.0	-1.25e-04	7.53e-05
2434	307	-0.34	0.82	-0.80	0.0	-1.19e-04	7.33e-05
2434	310	-0.34	0.67	-0.79	0.0	-1.18e-04	7.32e-05
2435	28	-1.42	1.37	-1.50	0.0	-2.27e-04	1.15e-04
2435	44	-1.76	1.18	-1.33	0.0	-2.21e-04	1.00e-04
2435	68	-0.62	2.32	-1.33	0.0	-1.74e-04	8.20e-05
2435	123	-10.21	4.12	-1.04	0.0	-5.77e-04	-8.50e-05
2435	137	0.71	12.83	-1.00	0.0	-6.86e-05	3.05e-04
2435	143	-4.21	12.07	-1.10	0.0	-3.06e-04	1.09e-04
2435	155	-11.42	4.57	-1.07	0.0	-6.35e-04	-1.02e-04
2435	169	0.85	14.42	-1.03	0.0	-6.42e-05	3.36e-04

2435	175	-4.68	13.56	-1.14	0.0	-3.31e-04	1.17e-04
2435	187	-11.25	4.71	-1.07	0.0	-6.26e-04	-9.42e-05
2435	201	0.85	14.78	-1.04	0.0	-6.53e-05	3.35e-04
2435	207	-4.58	13.91	-1.15	0.0	-3.27e-04	1.19e-04
2435	219	-13.01	5.51	-1.12	0.0	-7.11e-04	-1.14e-04
2435	233	1.07	17.44	-1.08	0.0	-5.88e-05	3.85e-04
2435	239	-5.25	16.41	-1.21	0.0	-3.63e-04	1.32e-04
2435	256	-0.97	0.95	-1.05	0.0	-1.57e-04	7.82e-05
2435	264	-1.19	0.82	-0.94	0.0	-1.53e-04	6.87e-05
2435	276	-0.43	1.58	-0.93	0.0	-1.21e-04	5.65e-05
2435	298	-0.43	0.76	-0.85	0.0	-1.11e-04	5.96e-05
2435	305	-0.55	0.72	-0.81	0.0	-1.12e-04	5.73e-05
2435	307	-0.40	0.87	-0.81	0.0	-1.06e-04	5.48e-05
2435	310	-0.40	0.71	-0.81	0.0	-1.05e-04	5.48e-05
2436	28	-1.11	1.15	-1.07	0.0	-2.33e-04	7.36e-05
2436	44	-1.46	0.99	-0.94	0.0	-2.25e-04	6.63e-05
2436	68	-0.38	2.04	-0.92	0.0	-1.78e-04	5.05e-05
2436	123	-9.49	3.75	-0.69	0.0	-7.91e-04	3.00e-05
2436	137	0.85	11.77	-0.57	0.0	-5.00e-05	2.40e-04
2436	155	-10.63	4.17	-0.70	0.0	-8.75e-04	3.00e-05
2436	169	0.99	13.24	-0.57	0.0	-4.28e-05	2.66e-04
2436	187	-10.47	4.29	-0.70	0.0	-8.62e-04	3.41e-05
2436	201	0.98	13.57	-0.57	0.0	-4.32e-05	2.64e-04
2436	219	-12.12	5.04	-0.72	0.0	-9.84e-04	3.78e-05
2436	233	1.20	16.03	-0.57	0.0	-3.19e-05	3.04e-04
2436	256	-0.75	0.80	-0.75	0.0	-1.61e-04	5.02e-05
2436	264	-0.99	0.69	-0.67	0.0	-1.56e-04	4.54e-05
2436	276	-0.27	1.39	-0.65	0.0	-1.25e-04	3.48e-05
2436	298	-0.27	0.63	-0.61	0.0	-1.15e-04	3.70e-05
2436	305	-0.40	0.60	-0.58	0.0	-1.15e-04	3.60e-05
2436	307	-0.25	0.74	-0.58	0.0	-1.09e-04	3.39e-05
2436	310	-0.25	0.60	-0.58	0.0	-1.09e-04	3.40e-05
2437	28	-1.24	1.28	-1.10	0.0	-2.37e-04	1.01e-04
2437	44	-1.59	1.11	-0.98	0.0	-2.28e-04	8.82e-05
2437	68	-0.48	2.20	-0.96	0.0	-1.82e-04	7.18e-05
2437	123	-9.91	3.95	-0.71	0.0	-7.07e-04	-2.56e-05
2437	137	0.83	12.32	-0.59	0.0	-6.00e-05	2.80e-04
2437	155	-11.09	4.39	-0.72	0.0	-7.81e-04	-3.41e-05
2437	169	0.97	13.85	-0.59	0.0	-5.38e-05	3.09e-04
2437	187	-10.92	4.51	-0.72	0.0	-7.70e-04	-2.82e-05
2437	201	0.97	14.19	-0.59	0.0	-5.45e-05	3.08e-04
2437	219	-12.64	5.29	-0.74	0.0	-8.77e-04	-3.67e-05
2437	233	1.19	16.75	-0.59	0.0	-4.50e-05	3.53e-04
2437	256	-0.84	0.89	-0.77	0.0	-1.64e-04	6.87e-05
2437	264	-1.07	0.77	-0.69	0.0	-1.58e-04	6.04e-05
2437	276	-0.34	1.50	-0.68	0.0	-1.27e-04	4.95e-05
2437	298	-0.33	0.71	-0.63	0.0	-1.17e-04	5.23e-05
2437	305	-0.46	0.67	-0.60	0.0	-1.17e-04	5.02e-05
2437	307	-0.31	0.82	-0.60	0.0	-1.11e-04	4.80e-05
2437	310	-0.32	0.67	-0.60	0.0	-1.11e-04	4.81e-05
2438	28	-1.36	1.37	-1.12	0.0	-2.32e-04	1.04e-04
2438	44	-1.71	1.18	-1.00	0.0	-2.25e-04	9.14e-05
2438	68	-0.58	2.32	-0.98	0.0	-1.78e-04	7.40e-05
2438	123	-10.26	4.12	-0.72	0.0	-5.90e-04	-5.78e-05
2438	137	0.80	12.83	-0.60	0.0	-6.70e-05	2.95e-04
2438	155	-11.48	4.57	-0.74	0.0	-6.50e-04	-7.05e-05
2438	169	0.94	14.42	-0.60	0.0	-6.20e-05	3.26e-04
2438	187	-11.30	4.71	-0.74	0.0	-6.41e-04	-6.36e-05
2438	201	0.94	14.78	-0.60	0.0	-6.30e-05	3.25e-04
2438	219	-13.08	5.51	-0.76	0.0	-7.27e-04	-7.80e-05
2438	233	1.17	17.44	-0.60	0.0	-5.56e-05	3.74e-04
2438	256	-0.93	0.95	-0.79	0.0	-1.61e-04	7.13e-05
2438	264	-1.16	0.82	-0.70	0.0	-1.56e-04	6.25e-05
2438	276	-0.41	1.58	-0.69	0.0	-1.25e-04	5.09e-05
2438	298	-0.40	0.76	-0.64	0.0	-1.14e-04	5.43e-05
2438	305	-0.52	0.72	-0.61	0.0	-1.15e-04	5.22e-05
2438	307	-0.37	0.87	-0.61	0.0	-1.09e-04	4.99e-05
2438	310	-0.38	0.71	-0.61	0.0	-1.08e-04	4.99e-05
2439	28	-1.08	1.13	-0.82	0.0	-2.07e-04	4.73e-05
2439	44	-1.44	0.98	-0.73	0.0	-2.04e-04	4.52e-05
2439	68	-0.37	2.03	-0.69	0.0	-1.57e-04	2.83e-05
2439	123	-9.50	3.74	-0.47	0.0	-8.36e-04	2.79e-05
2439	137	0.91	11.77	-0.22	0.0	-2.46e-05	2.23e-04
2439	144	-1.93	-9.69	-0.68	0.0	-2.18e-04	-1.06e-04
2439	155	-10.64	4.16	-0.47	0.0	-9.27e-04	2.94e-05

2439	169	1.05	13.23	-0.19	0.0	-1.59e-05	2.48e-04
2439	176	-2.14	-11.04	-0.71	0.0	-2.33e-04	-1.22e-04
2439	187	-10.47	4.28	-0.47	0.0	-9.12e-04	3.33e-05
2439	201	1.04	13.56	-0.19	0.0	-1.60e-05	2.45e-04
2439	208	-2.13	-11.35	-0.71	0.0	-2.33e-04	-1.20e-04
2439	219	-12.13	5.03	-0.47	0.0	-1.05e-03	3.90e-05
2439	233	1.26	16.02	-0.14	0.0	-2.30e-06	2.84e-04
2439	240	-2.44	-13.62	-0.76	0.0	-2.55e-04	-1.45e-04
2439	256	-0.74	0.78	-0.58	0.0	-1.43e-04	3.22e-05
2439	264	-0.97	0.68	-0.52	0.0	-1.41e-04	3.08e-05
2439	276	-0.26	1.38	-0.49	0.0	-1.10e-04	1.95e-05
2439	298	-0.26	0.62	-0.47	0.0	-9.98e-05	2.19e-05
2439	305	-0.39	0.59	-0.45	0.0	-1.01e-04	2.21e-05
2439	307	-0.24	0.73	-0.45	0.0	-9.52e-05	1.99e-05
2439	310	-0.25	0.59	-0.45	0.0	-9.50e-05	2.01e-05
2440	28	-1.20	1.28	-0.85	0.0	-2.17e-04	7.62e-05
2440	44	-1.55	1.11	-0.76	0.0	-2.12e-04	6.84e-05
2440	68	-0.46	2.20	-0.72	0.0	-1.66e-04	5.13e-05
2440	123	-9.93	3.95	-0.49	0.0	-7.40e-04	-1.62e-05
2440	137	0.90	12.32	-0.24	0.0	-3.89e-05	2.59e-04
2440	144	-2.05	-10.05	-0.69	0.0	-2.03e-04	-1.17e-04
2440	155	-11.13	4.38	-0.49	0.0	-8.19e-04	-2.20e-05
2440	169	1.04	13.85	-0.21	0.0	-3.13e-05	2.87e-04
2440	176	-2.27	-11.46	-0.72	0.0	-2.16e-04	-1.37e-04
2440	187	-10.95	4.51	-0.49	0.0	-8.06e-04	-1.67e-05
2440	201	1.04	14.19	-0.21	0.0	-3.18e-05	2.85e-04
2440	208	-2.26	-11.79	-0.73	0.0	-2.15e-04	-1.35e-04
2440	219	-12.68	5.29	-0.49	0.0	-9.21e-04	-2.12e-05
2440	233	1.27	16.75	-0.16	0.0	-2.00e-05	3.29e-04
2440	240	-2.58	-14.15	-0.78	0.0	-2.34e-04	-1.65e-04
2440	256	-0.81	0.89	-0.60	0.0	-1.50e-04	5.19e-05
2440	264	-1.05	0.77	-0.54	0.0	-1.47e-04	4.68e-05
2440	276	-0.32	1.50	-0.51	0.0	-1.16e-04	3.53e-05
2440	298	-0.31	0.71	-0.49	0.0	-1.06e-04	3.83e-05
2440	305	-0.44	0.67	-0.47	0.0	-1.07e-04	3.73e-05
2440	307	-0.30	0.82	-0.46	0.0	-1.01e-04	3.51e-05
2440	310	-0.30	0.67	-0.47	0.0	-1.00e-04	3.51e-05
2441	28	-1.32	1.37	-0.87	0.0	-2.23e-04	9.33e-05
2441	44	-1.67	1.18	-0.78	0.0	-2.18e-04	8.22e-05
2441	68	-0.55	2.32	-0.73	0.0	-1.71e-04	6.52e-05
2441	123	-10.30	4.12	-0.50	0.0	-6.03e-04	-4.32e-05
2441	137	0.88	12.83	-0.25	0.0	-5.46e-05	2.85e-04
2441	144	-2.16	-10.43	-0.70	0.0	-1.78e-04	-1.27e-04
2441	155	-11.54	4.57	-0.50	0.0	-6.65e-04	-5.34e-05
2441	169	1.03	14.42	-0.22	0.0	-4.86e-05	3.15e-04
2441	176	-2.39	-11.90	-0.73	0.0	-1.88e-04	-1.49e-04
2441	187	-11.35	4.71	-0.50	0.0	-6.55e-04	-4.70e-05
2441	201	1.02	14.78	-0.22	0.0	-4.95e-05	3.14e-04
2441	208	-2.38	-12.24	-0.74	0.0	-1.87e-04	-1.48e-04
2441	219	-13.14	5.51	-0.50	0.0	-7.45e-04	-5.78e-05
2441	233	1.26	17.44	-0.17	0.0	-4.04e-05	3.61e-04
2441	240	-2.71	-14.70	-0.79	0.0	-2.00e-04	-1.82e-04
2441	256	-0.90	0.95	-0.61	0.0	-1.55e-04	6.36e-05
2441	264	-1.13	0.82	-0.55	0.0	-1.51e-04	5.63e-05
2441	276	-0.38	1.58	-0.52	0.0	-1.20e-04	4.49e-05
2441	298	-0.37	0.76	-0.50	0.0	-1.09e-04	4.81e-05
2441	305	-0.50	0.72	-0.48	0.0	-1.10e-04	4.64e-05
2441	307	-0.35	0.87	-0.47	0.0	-1.04e-04	4.41e-05
2441	310	-0.35	0.71	-0.48	0.0	-1.04e-04	4.41e-05
2442	44	-1.89	1.25	-1.79	0.0	-1.87e-04	6.55e-05
2442	52	-0.86	2.15	-2.03	0.0	-1.57e-04	5.71e-05
2442	68	-0.72	2.42	-1.81	0.0	-1.40e-04	4.34e-05
2442	123	-10.40	3.56	-1.49	0.0	-5.02e-04	-1.33e-04
2442	137	0.61	13.29	-1.52	0.0	-4.89e-05	2.82e-04
2442	139	-3.66	11.50	-1.69	0.0	-2.39e-04	1.53e-05
2442	155	-11.63	3.93	-1.54	0.0	-5.54e-04	-1.53e-04
2442	169	0.74	14.94	-1.58	0.0	-4.47e-05	3.13e-04
2442	171	-4.05	12.92	-1.77	0.0	-2.58e-04	1.40e-05
2442	187	-11.45	4.07	-1.54	0.0	-5.46e-04	-1.45e-04
2442	201	0.74	15.31	-1.60	0.0	-4.55e-05	3.12e-04
2442	203	-3.95	13.26	-1.78	0.0	-2.54e-04	1.67e-05
2442	219	-13.24	4.76	-1.63	0.0	-6.22e-04	-1.69e-04
2442	233	0.96	18.06	-1.70	0.0	-3.92e-05	3.62e-04
2442	235	-4.51	15.64	-1.91	0.0	-2.82e-04	1.63e-05
2442	264	-1.29	0.87	-1.26	0.0	-1.30e-04	4.46e-05

2442	268	-0.59	1.47	-1.42	0.0	-1.10e-04	3.89e-05
2442	276	-0.51	1.65	-1.27	0.0	-9.82e-05	2.98e-05
2442	298	-0.49	0.80	-1.13	0.0	-8.81e-05	3.37e-05
2442	305	-0.62	0.76	-1.08	0.0	-9.06e-05	3.36e-05
2442	307	-0.46	0.91	-1.08	0.0	-8.43e-05	3.07e-05
2442	310	-0.47	0.75	-1.08	0.0	-8.40e-05	3.07e-05
2443	44	-1.98	1.30	-1.81	0.0	-1.95e-04	3.86e-05
2443	52	-0.93	2.24	-2.05	0.0	-1.68e-04	2.78e-05
2443	68	-0.79	2.52	-1.82	0.0	-1.51e-04	1.60e-05
2443	123	-10.63	3.69	-1.51	0.0	-4.56e-04	-9.37e-05
2443	137	0.59	13.70	-1.54	0.0	-6.08e-05	2.62e-04
2443	139	-3.77	11.86	-1.71	0.0	-2.33e-04	8.50e-06
2443	155	-11.89	4.07	-1.56	0.0	-5.01e-04	-1.07e-04
2443	169	0.72	15.40	-1.60	0.0	-5.75e-05	2.93e-04
2443	171	-4.16	13.32	-1.79	0.0	-2.50e-04	8.11e-06
2443	187	-11.71	4.21	-1.56	0.0	-4.94e-04	-9.98e-05
2443	201	0.73	15.78	-1.61	0.0	-5.86e-05	2.91e-04
2443	203	-4.07	13.68	-1.80	0.0	-2.47e-04	1.01e-05
2443	219	-13.53	4.93	-1.65	0.0	-5.61e-04	-1.14e-04
2443	233	0.94	18.62	-1.72	0.0	-5.37e-05	3.39e-04
2443	235	-4.64	16.13	-1.93	0.0	-2.73e-04	1.08e-05
2443	264	-1.35	0.91	-1.27	0.0	-1.36e-04	2.57e-05
2443	268	-0.65	1.53	-1.43	0.0	-1.18e-04	1.85e-05
2443	276	-0.55	1.72	-1.28	0.0	-1.06e-04	1.06e-05
2443	298	-0.54	0.83	-1.14	0.0	-9.34e-05	1.87e-05
2443	305	-0.66	0.79	-1.09	0.0	-9.55e-05	1.91e-05
2443	307	-0.50	0.95	-1.09	0.0	-8.97e-05	1.61e-05
2443	310	-0.51	0.78	-1.09	0.0	-8.94e-05	1.62e-05
2444	4	-0.28	1.57	-1.12	0.0	-8.42e-05	1.86e-05
2444	44	-1.54	1.24	-0.99	0.0	-1.39e-04	3.71e-05
2444	68	-0.47	2.55	-0.99	0.0	-8.24e-05	2.45e-05
2444	116	-11.82	1.99	-0.60	0.0	-3.55e-04	-3.75e-04
2444	118	9.74	-5.95	-0.63	0.0	1.87e-04	2.23e-04
2444	139	-1.71	12.46	-0.60	0.0	-5.63e-05	1.27e-04
2444	148	-13.25	2.12	-0.60	0.0	-3.93e-04	-4.24e-04
2444	150	10.98	-6.80	-0.64	0.0	2.16e-04	2.49e-04
2444	171	-1.87	13.98	-0.60	0.0	-5.59e-05	1.43e-04
2444	180	-13.11	1.95	-0.60	0.0	-3.90e-04	-4.24e-04
2444	182	10.80	-6.83	-0.64	0.0	2.11e-04	2.44e-04
2444	203	-1.78	14.27	-0.60	0.0	-5.19e-05	1.47e-04
2444	212	-15.28	2.04	-0.60	0.0	-4.48e-04	-5.04e-04
2444	214	12.64	-8.19	-0.64	0.0	2.55e-04	2.83e-04
2444	235	-1.98	16.79	-0.59	0.0	-4.94e-05	1.73e-04
2444	244	-0.20	1.09	-0.78	0.0	-5.91e-05	1.31e-05
2444	264	-1.05	0.87	-0.69	0.0	-9.57e-05	2.55e-05
2444	276	-0.33	1.74	-0.69	0.0	-5.79e-05	1.71e-05
2444	298	-0.34	0.86	-0.64	0.0	-5.66e-05	1.32e-05
2444	305	-0.46	0.80	-0.61	0.0	-6.08e-05	1.47e-05
2444	307	-0.31	0.97	-0.61	0.0	-5.33e-05	1.30e-05
2444	310	-0.32	0.81	-0.61	0.0	-5.40e-05	1.24e-05
2445	4	-0.32	1.71	-1.14	-6.19e-05	-6.85e-05	1.95e-05
2445	44	-1.61	1.38	-1.01	-4.94e-05	-1.17e-04	3.77e-05
2445	68	-0.51	2.71	-1.01	-6.37e-05	-6.73e-05	2.56e-05
2445	116	-11.96	2.08	-0.61	4.16e-06	-3.60e-04	-3.69e-04
2445	118	9.80	-6.02	-0.65	-4.17e-05	2.23e-04	2.14e-04
2445	139	-1.73	12.81	-0.61	-6.45e-05	-7.00e-05	1.35e-04
2445	148	-13.40	2.20	-0.61	8.58e-06	-3.99e-04	-4.17e-04
2445	150	11.05	-6.90	-0.65	-4.30e-05	2.56e-04	2.39e-04
2445	171	-1.89	14.37	-0.61	-6.91e-05	-7.26e-05	1.51e-04
2445	180	-13.26	2.04	-0.61	9.08e-06	-3.95e-04	-4.17e-04
2445	182	10.86	-6.93	-0.65	-4.27e-05	2.50e-04	2.34e-04
2445	203	-1.80	14.67	-0.61	-7.04e-05	-6.92e-05	1.55e-04
2445	212	-15.46	2.13	-0.61	1.65e-05	-4.55e-04	-4.96e-04
2445	214	12.73	-8.32	-0.65	-4.48e-05	2.99e-04	2.72e-04
2445	235	-2.00	17.25	-0.61	-7.81e-05	-7.17e-05	1.83e-04
2445	244	-0.23	1.19	-0.80	-4.35e-05	-4.80e-05	1.37e-05
2445	264	-1.09	0.96	-0.71	-3.52e-05	-8.01e-05	2.59e-05
2445	276	-0.36	1.85	-0.71	-4.47e-05	-4.72e-05	1.78e-05
2445	298	-0.36	0.94	-0.66	-3.16e-05	-4.72e-05	1.38e-05
2445	305	-0.49	0.87	-0.63	-2.96e-05	-5.09e-05	1.52e-05
2445	307	-0.34	1.05	-0.63	-3.15e-05	-4.43e-05	1.35e-05
2445	310	-0.35	0.89	-0.63	-3.02e-05	-4.49e-05	1.29e-05
2446	4	-0.29	1.56	-1.12	0.0	-8.56e-05	1.90e-05
2446	44	-1.57	1.24	-0.99	0.0	-1.40e-04	3.72e-05
2446	68	-0.49	2.54	-1.00	0.0	-8.40e-05	2.48e-05

2446	113	10.97	-0.38	-0.65	0.0	2.58e-04	4.16e-04
2446	116	-11.63	1.99	-0.59	0.0	-3.68e-04	-3.91e-04
2446	139	-1.76	12.46	-0.61	0.0	-6.64e-05	1.23e-04
2446	145	12.37	-0.50	-0.65	0.0	2.97e-04	4.67e-04
2446	148	-13.03	2.11	-0.58	0.0	-4.07e-04	-4.42e-04
2446	171	-1.93	13.98	-0.61	0.0	-6.72e-05	1.37e-04
2446	177	12.23	-0.34	-0.65	0.0	2.94e-04	4.67e-04
2446	180	-12.88	1.95	-0.58	0.0	-4.03e-04	-4.42e-04
2446	203	-1.84	14.27	-0.61	0.0	-6.33e-05	1.42e-04
2446	209	14.36	-0.43	-0.65	0.0	3.54e-04	5.50e-04
2446	212	-15.02	2.04	-0.58	0.0	-4.64e-04	-5.24e-04
2446	235	-2.05	16.79	-0.61	0.0	-6.27e-05	1.67e-04
2446	244	-0.21	1.08	-0.78	0.0	-6.01e-05	1.34e-05
2446	264	-1.06	0.86	-0.69	0.0	-9.65e-05	2.56e-05
2446	276	-0.34	1.74	-0.70	0.0	-5.90e-05	1.72e-05
2446	298	-0.34	0.86	-0.65	0.0	-5.74e-05	1.34e-05
2446	305	-0.47	0.80	-0.62	0.0	-6.16e-05	1.48e-05
2446	307	-0.32	0.97	-0.62	0.0	-5.41e-05	1.31e-05
2446	310	-0.33	0.81	-0.62	0.0	-5.48e-05	1.26e-05
2447	28	-1.52	1.45	-1.52	0.0	-2.13e-04	8.51e-05
2447	44	-1.86	1.25	-1.34	0.0	-2.10e-04	7.60e-05
2447	68	-0.70	2.42	-1.34	0.0	-1.64e-04	5.61e-05
2447	123	-10.47	3.56	-1.05	0.0	-4.84e-04	-8.99e-05
2447	137	0.69	13.29	-1.01	0.0	-6.71e-05	2.88e-04
2447	143	-4.34	12.29	-1.11	0.0	-2.66e-04	9.53e-05
2447	155	-11.71	3.93	-1.09	0.0	-5.32e-04	-1.05e-04
2447	169	0.83	14.94	-1.04	0.0	-6.34e-05	3.20e-04
2447	175	-4.82	13.81	-1.15	0.0	-2.87e-04	1.03e-04
2447	187	-11.53	4.07	-1.08	0.0	-5.25e-04	-9.80e-05
2447	201	0.83	15.31	-1.05	0.0	-6.46e-05	3.18e-04
2447	207	-4.73	14.16	-1.16	0.0	-2.83e-04	1.05e-04
2447	219	-13.33	4.76	-1.13	0.0	-5.95e-04	-1.16e-04
2447	233	1.05	18.07	-1.10	0.0	-5.93e-05	3.67e-04
2447	239	-5.41	16.71	-1.22	0.0	-3.14e-04	1.18e-04
2447	256	-1.04	1.00	-1.06	0.0	-1.48e-04	5.79e-05
2447	264	-1.26	0.87	-0.94	0.0	-1.46e-04	5.18e-05
2447	276	-0.49	1.65	-0.94	0.0	-1.15e-04	3.86e-05
2447	298	-0.48	0.80	-0.85	0.0	-1.03e-04	4.29e-05
2447	305	-0.60	0.76	-0.82	0.0	-1.05e-04	4.18e-05
2447	307	-0.45	0.91	-0.82	0.0	-9.88e-05	3.92e-05
2447	310	-0.45	0.75	-0.81	0.0	-9.85e-05	3.92e-05
2448	28	-1.63	1.52	-1.53	0.0	-2.09e-04	6.30e-05
2448	44	-1.96	1.31	-1.35	0.0	-2.08e-04	5.70e-05
2448	68	-0.78	2.52	-1.35	0.0	-1.63e-04	3.72e-05
2448	123	-10.68	3.69	-1.06	0.0	-4.01e-04	-5.16e-05
2448	137	0.66	13.72	-1.02	0.0	-7.37e-05	2.70e-04
2448	143	-4.46	12.69	-1.12	0.0	-2.35e-04	9.74e-05
2448	155	-11.95	4.08	-1.09	0.0	-4.39e-04	-6.08e-05
2448	169	0.80	15.41	-1.05	0.0	-7.10e-05	3.01e-04
2448	175	-4.95	14.25	-1.16	0.0	-2.52e-04	1.07e-04
2448	187	-11.76	4.22	-1.09	0.0	-4.34e-04	-5.45e-05
2448	201	0.80	15.79	-1.06	0.0	-7.24e-05	2.99e-04
2448	207	-4.85	14.62	-1.17	0.0	-2.50e-04	1.07e-04
2448	219	-13.59	4.93	-1.14	0.0	-4.89e-04	-6.37e-05
2448	233	1.03	18.64	-1.10	0.0	-6.88e-05	3.46e-04
2448	239	-5.54	17.24	-1.23	0.0	-2.76e-04	1.23e-04
2448	256	-1.11	1.05	-1.07	0.0	-1.45e-04	4.27e-05
2448	264	-1.33	0.91	-0.95	0.0	-1.44e-04	3.87e-05
2448	276	-0.55	1.72	-0.95	0.0	-1.14e-04	2.55e-05
2448	298	-0.53	0.84	-0.86	0.0	-1.01e-04	3.10e-05
2448	305	-0.65	0.79	-0.82	0.0	-1.03e-04	3.06e-05
2448	307	-0.49	0.95	-0.82	0.0	-9.71e-05	2.79e-05
2448	310	-0.50	0.79	-0.82	0.0	-9.68e-05	2.80e-05
2449	28	-1.48	1.45	-1.14	0.0	-2.24e-04	9.46e-05
2449	44	-1.82	1.25	-1.01	0.0	-2.19e-04	8.35e-05
2449	68	-0.67	2.43	-0.99	0.0	-1.73e-04	6.57e-05
2449	123	-10.52	3.56	-0.73	0.0	-4.71e-04	-6.03e-05
2449	137	0.77	13.30	-0.61	0.0	-7.22e-05	2.94e-04
2449	155	-11.77	3.93	-0.75	0.0	-5.16e-04	-7.26e-05
2449	169	0.92	14.94	-0.61	0.0	-6.84e-05	3.25e-04
2449	187	-11.59	4.07	-0.75	0.0	-5.09e-04	-6.57e-05
2449	201	0.91	15.31	-0.61	0.0	-6.97e-05	3.24e-04
2449	219	-13.40	4.76	-0.77	0.0	-5.76e-04	-7.95e-05
2449	233	1.15	18.07	-0.60	0.0	-6.42e-05	3.73e-04
2449	256	-1.01	1.00	-0.80	0.0	-1.55e-04	6.45e-05

2449	264	-1.24	0.87	-0.71	0.0	-1.52e-04	5.71e-05
2449	276	-0.47	1.65	-0.70	0.0	-1.21e-04	4.52e-05
2449	298	-0.45	0.80	-0.64	0.0	-1.10e-04	4.87e-05
2449	305	-0.58	0.76	-0.62	0.0	-1.11e-04	4.70e-05
2449	307	-0.43	0.91	-0.61	0.0	-1.05e-04	4.46e-05
2449	310	-0.43	0.75	-0.61	0.0	-1.04e-04	4.46e-05
2450	28	-1.59	1.52	-1.14	0.0	-2.18e-04	8.35e-05
2450	44	-1.93	1.31	-1.01	0.0	-2.14e-04	7.48e-05
2450	68	-0.75	2.53	-0.99	0.0	-1.67e-04	5.78e-05
2450	123	-10.72	3.70	-0.74	0.0	-3.63e-04	-3.18e-05
2450	137	0.74	13.74	-0.61	0.0	-7.73e-05	2.88e-04
2450	155	-11.99	4.09	-0.75	0.0	-3.96e-04	-3.99e-05
2450	169	0.89	15.44	-0.61	0.0	-7.46e-05	3.19e-04
2450	187	-11.80	4.22	-0.75	0.0	-3.91e-04	-3.36e-05
2450	201	0.88	15.82	-0.61	0.0	-7.60e-05	3.18e-04
2450	219	-13.64	4.94	-0.77	0.0	-4.39e-04	-4.11e-05
2450	233	1.12	18.66	-0.61	0.0	-7.23e-05	3.66e-04
2450	256	-1.08	1.05	-0.80	0.0	-1.51e-04	5.70e-05
2450	264	-1.31	0.92	-0.72	0.0	-1.48e-04	5.13e-05
2450	276	-0.53	1.72	-0.70	0.0	-1.17e-04	3.99e-05
2450	298	-0.51	0.84	-0.65	0.0	-1.06e-04	4.24e-05
2450	305	-0.63	0.79	-0.62	0.0	-1.07e-04	4.13e-05
2450	307	-0.48	0.96	-0.62	0.0	-1.01e-04	3.90e-05
2450	310	-0.48	0.79	-0.62	0.0	-1.01e-04	3.90e-05
2451	28	-1.43	1.45	-0.88	0.0	-2.24e-04	9.61e-05
2451	44	-1.78	1.25	-0.78	0.0	-2.18e-04	8.49e-05
2451	68	-0.64	2.43	-0.74	0.0	-1.71e-04	6.82e-05
2451	123	-10.57	3.56	-0.51	0.0	-4.60e-04	-5.05e-05
2451	137	0.85	13.30	-0.26	0.0	-6.78e-05	2.96e-04
2451	144	-2.25	-11.00	-0.71	0.0	-1.50e-04	-1.34e-04
2451	155	-11.83	3.93	-0.51	0.0	-5.04e-04	-6.17e-05
2451	169	1.00	14.94	-0.23	0.0	-6.35e-05	3.28e-04
2451	176	-2.48	-12.55	-0.74	0.0	-1.55e-04	-1.57e-04
2451	187	-11.64	4.07	-0.51	0.0	-4.97e-04	-5.49e-05
2451	201	1.00	15.31	-0.22	0.0	-6.47e-05	3.26e-04
2451	208	-2.47	-12.91	-0.75	0.0	-1.54e-04	-1.56e-04
2451	219	-13.47	4.76	-0.51	0.0	-5.61e-04	-6.71e-05
2451	233	1.24	18.07	-0.17	0.0	-5.83e-05	3.76e-04
2451	240	-2.81	-15.50	-0.79	0.0	-1.62e-04	-1.92e-04
2451	256	-0.98	1.00	-0.62	0.0	-1.55e-04	6.56e-05
2451	264	-1.21	0.87	-0.55	0.0	-1.51e-04	5.82e-05
2451	276	-0.45	1.65	-0.53	0.0	-1.20e-04	4.70e-05
2451	298	-0.43	0.80	-0.50	0.0	-1.10e-04	4.96e-05
2451	305	-0.56	0.76	-0.48	0.0	-1.11e-04	4.79e-05
2451	307	-0.40	0.91	-0.48	0.0	-1.04e-04	4.56e-05
2451	310	-0.41	0.75	-0.48	0.0	-1.04e-04	4.56e-05
2452	28	-1.54	1.53	-0.89	0.0	-2.22e-04	9.16e-05
2452	44	-1.89	1.32	-0.79	0.0	-2.16e-04	8.20e-05
2452	68	-0.72	2.54	-0.75	0.0	-1.69e-04	6.64e-05
2452	123	-10.75	3.71	-0.51	0.0	-3.28e-04	-3.58e-05
2452	137	0.82	13.77	-0.25	0.0	-7.87e-05	2.98e-04
2452	144	-2.32	-11.37	-0.72	0.0	-1.21e-04	-1.36e-04
2452	155	-12.03	4.10	-0.51	0.0	-3.55e-04	-4.50e-05
2452	169	0.97	15.48	-0.22	0.0	-7.60e-05	3.30e-04
2452	176	-2.56	-12.97	-0.75	0.0	-1.23e-04	-1.59e-04
2452	187	-11.84	4.24	-0.51	0.0	-3.51e-04	-3.84e-05
2452	201	0.97	15.86	-0.22	0.0	-7.73e-05	3.29e-04
2452	208	-2.55	-13.34	-0.76	0.0	-1.22e-04	-1.59e-04
2452	219	-13.69	4.95	-0.51	0.0	-3.92e-04	-4.73e-05
2452	233	1.21	18.71	-0.17	0.0	-7.35e-05	3.79e-04
2452	240	-2.89	-16.02	-0.81	0.0	-1.25e-04	-1.94e-04
2452	256	-1.05	1.06	-0.62	0.0	-1.53e-04	6.27e-05
2452	264	-1.28	0.92	-0.56	0.0	-1.50e-04	5.63e-05
2452	276	-0.51	1.73	-0.53	0.0	-1.18e-04	4.59e-05
2452	298	-0.48	0.84	-0.51	0.0	-1.08e-04	4.70e-05
2452	305	-0.61	0.80	-0.49	0.0	-1.09e-04	4.56e-05
2452	307	-0.46	0.96	-0.48	0.0	-1.03e-04	4.35e-05
2452	310	-0.46	0.79	-0.48	0.0	-1.03e-04	4.34e-05
2453	4	-0.33	1.71	-1.15	-8.21e-05	-6.85e-05	1.97e-05
2453	44	-1.64	1.38	-1.01	-6.77e-05	-1.17e-04	3.75e-05
2453	68	-0.53	2.71	-1.02	-8.40e-05	-6.73e-05	2.55e-05
2453	113	11.07	-0.31	-0.66	-8.23e-05	2.70e-04	3.98e-04
2453	116	-11.78	2.08	-0.60	2.38e-06	-3.60e-04	-3.72e-04
2453	139	-1.79	12.82	-0.63	-8.57e-05	-7.00e-05	1.32e-04
2453	145	12.48	-0.43	-0.66	-8.78e-05	3.09e-04	4.47e-04

2453	148	-13.19	2.20	-0.60	7.83e-06	-3.99e-04	-4.21e-04
2453	171	-1.96	14.37	-0.62	-9.18e-05	-7.26e-05	1.48e-04
2453	177	12.34	-0.27	-0.66	-8.85e-05	3.05e-04	4.47e-04
2453	180	-13.05	2.04	-0.60	8.53e-06	-3.95e-04	-4.21e-04
2453	203	-1.87	14.67	-0.63	-9.34e-05	-6.92e-05	1.52e-04
2453	209	14.49	-0.36	-0.67	-9.76e-05	3.65e-04	5.26e-04
2453	212	-15.20	2.13	-0.59	1.77e-05	-4.55e-04	-5.00e-04
2453	235	-2.08	17.25	-0.62	-1.04e-04	-7.17e-05	1.79e-04
2453	244	-0.24	1.19	-0.80	-5.78e-05	-4.80e-05	1.39e-05
2453	264	-1.11	0.96	-0.71	-4.82e-05	-8.01e-05	2.58e-05
2453	276	-0.37	1.85	-0.71	-5.91e-05	-4.72e-05	1.78e-05
2453	298	-0.37	0.94	-0.66	-4.16e-05	-4.72e-05	1.38e-05
2453	305	-0.50	0.87	-0.63	-3.92e-05	-5.09e-05	1.52e-05
2453	307	-0.35	1.05	-0.63	-4.14e-05	-4.43e-05	1.36e-05
2453	310	-0.35	0.89	-0.63	-4.00e-05	-4.49e-05	1.30e-05
2454	44	-1.59	1.23	-0.98	0.0	-1.40e-04	3.78e-05
2454	52	-0.59	2.26	-1.12	0.0	-9.86e-05	2.73e-05
2454	68	-0.50	2.53	-1.00	0.0	-8.46e-05	2.53e-05
2454	116	-11.42	1.98	-0.56	0.0	-3.93e-04	-4.06e-04
2454	125	9.88	4.26	-0.67	0.0	2.70e-04	9.09e-05
2454	139	-1.81	12.45	-0.62	0.0	-7.74e-05	1.18e-04
2454	148	-12.80	2.11	-0.56	0.0	-4.35e-04	-4.59e-04
2454	157	11.15	4.72	-0.68	0.0	3.10e-04	1.01e-04
2454	171	-1.98	13.98	-0.63	0.0	-7.95e-05	1.33e-04
2454	180	-12.65	1.94	-0.56	0.0	-4.31e-04	-4.59e-04
2454	185	11.35	3.95	-0.68	0.0	3.20e-04	1.71e-04
2454	203	-1.90	14.26	-0.63	0.0	-7.57e-05	1.37e-04
2454	212	-14.74	2.03	-0.55	0.0	-4.96e-04	-5.45e-04
2454	217	13.27	4.59	-0.69	0.0	3.82e-04	2.02e-04
2454	235	-2.12	16.79	-0.63	0.0	-7.73e-05	1.61e-04
2454	264	-1.08	0.86	-0.69	0.0	-9.66e-05	2.59e-05
2454	268	-0.41	1.55	-0.78	0.0	-6.87e-05	1.90e-05
2454	276	-0.35	1.73	-0.70	0.0	-5.95e-05	1.77e-05
2454	298	-0.35	0.85	-0.64	0.0	-5.78e-05	1.37e-05
2454	305	-0.47	0.79	-0.61	0.0	-6.19e-05	1.51e-05
2454	307	-0.33	0.96	-0.62	0.0	-5.45e-05	1.35e-05
2454	310	-0.33	0.80	-0.62	0.0	-5.51e-05	1.29e-05
2455	44	-2.08	1.32	-1.84	0.0	-2.12e-04	-6.71e-06
2455	52	-1.02	2.28	-2.08	0.0	-1.89e-04	-2.03e-05
2455	68	-0.87	2.56	-1.86	0.0	-1.72e-04	-3.16e-05
2455	123	-10.84	3.78	-1.53	0.0	-4.20e-04	1.42e-05
2455	137	0.56	14.00	-1.56	0.0	-7.87e-05	2.01e-04
2455	139	-3.88	12.12	-1.73	0.0	-2.34e-04	-7.78e-06
2455	155	-12.12	4.18	-1.59	0.0	-4.59e-04	1.74e-05
2455	169	0.70	15.73	-1.62	0.0	-7.64e-05	2.27e-04
2455	171	-4.28	13.61	-1.81	0.0	-2.51e-04	-7.71e-06
2455	187	-11.93	4.32	-1.59	0.0	-4.54e-04	2.15e-05
2455	201	0.70	16.12	-1.64	0.0	-7.77e-05	2.22e-04
2455	203	-4.18	13.97	-1.82	0.0	-2.49e-04	-9.09e-06
2455	219	-13.79	5.05	-1.67	0.0	-5.12e-04	3.00e-05
2455	233	0.92	19.02	-1.74	0.0	-7.47e-05	2.61e-04
2455	235	-4.76	16.48	-1.96	0.0	-2.74e-04	-9.32e-06
2455	264	-1.42	0.92	-1.29	0.0	-1.48e-04	-6.25e-06
2455	268	-0.71	1.56	-1.46	0.0	-1.32e-04	-1.53e-05
2455	276	-0.61	1.75	-1.30	0.0	-1.21e-04	-2.28e-05
2455	298	-0.59	0.85	-1.16	0.0	-1.03e-04	-4.77e-06
2455	305	-0.71	0.80	-1.11	0.0	-1.05e-04	-4.07e-06
2455	307	-0.55	0.97	-1.11	0.0	-9.97e-05	-7.38e-06
2455	310	-0.55	0.80	-1.10	0.0	-9.93e-05	-7.04e-06
2456	44	-2.20	1.56	-1.89	0.0	-2.28e-04	5.34e-05
2456	52	-1.13	2.55	-2.14	0.0	-2.07e-04	4.89e-05
2456	68	-0.97	2.83	-1.91	0.0	-1.90e-04	3.91e-05
2456	123	-11.03	3.96	-1.57	0.0	-4.08e-04	8.11e-05
2456	137	0.51	14.40	-1.59	0.0	-9.48e-05	2.72e-04
2456	139	-3.99	12.48	-1.76	0.0	-2.42e-04	5.71e-05
2456	155	-12.32	4.36	-1.62	0.0	-4.45e-04	8.86e-05
2456	169	0.65	16.17	-1.65	0.0	-9.35e-05	3.03e-04
2456	171	-4.40	14.01	-1.84	0.0	-2.59e-04	6.15e-05
2456	187	-12.14	4.51	-1.62	0.0	-4.40e-04	9.30e-05
2456	201	0.65	16.57	-1.66	0.0	-9.51e-05	3.01e-04
2456	203	-4.30	14.38	-1.86	0.0	-2.57e-04	6.27e-05
2456	219	-14.01	5.25	-1.71	0.0	-4.94e-04	1.08e-04
2456	233	0.87	19.53	-1.77	0.0	-9.36e-05	3.49e-04
2456	235	-4.89	16.93	-1.99	0.0	-2.82e-04	7.04e-05
2456	264	-1.50	1.09	-1.33	0.0	-1.59e-04	3.67e-05

2456	268	-0.79	1.75	-1.49	0.0	-1.45e-04	3.37e-05
2456	276	-0.68	1.93	-1.34	0.0	-1.34e-04	2.72e-05
2456	298	-0.65	0.99	-1.19	0.0	-1.12e-04	2.84e-05
2456	305	-0.77	0.94	-1.14	0.0	-1.14e-04	2.82e-05
2456	307	-0.61	1.10	-1.14	0.0	-1.09e-04	2.63e-05
2456	310	-0.61	0.93	-1.13	0.0	-1.08e-04	2.63e-05
2457	28	-1.73	1.59	-1.53	0.0	-2.09e-04	5.20e-05
2457	44	-2.07	1.37	-1.36	0.0	-2.07e-04	4.75e-05
2457	68	-0.86	2.61	-1.35	0.0	-1.64e-04	2.96e-05
2457	123	-10.85	3.80	-1.07	0.0	-3.42e-04	1.52e-05
2457	137	0.63	14.03	-1.03	0.0	-8.02e-05	2.61e-04
2457	143	-4.56	12.99	-1.13	0.0	-2.14e-04	1.18e-04
2457	155	-12.13	4.20	-1.10	0.0	-3.72e-04	1.50e-05
2457	169	0.77	15.77	-1.05	0.0	-7.84e-05	2.91e-04
2457	175	-5.05	14.59	-1.17	0.0	-2.29e-04	1.30e-04
2457	187	-11.94	4.34	-1.10	0.0	-3.68e-04	2.00e-05
2457	201	0.77	16.15	-1.06	0.0	-7.98e-05	2.89e-04
2457	207	-4.95	14.96	-1.17	0.0	-2.28e-04	1.30e-04
2457	219	-13.80	5.07	-1.14	0.0	-4.13e-04	2.38e-05
2457	233	1.00	19.06	-1.11	0.0	-7.77e-05	3.35e-04
2457	239	-5.66	17.64	-1.24	0.0	-2.49e-04	1.49e-04
2457	256	-1.18	1.10	-1.07	0.0	-1.45e-04	3.53e-05
2457	264	-1.41	0.95	-0.95	0.0	-1.44e-04	3.23e-05
2457	276	-0.60	1.78	-0.95	0.0	-1.15e-04	2.03e-05
2457	298	-0.58	0.87	-0.86	0.0	-1.01e-04	2.54e-05
2457	305	-0.70	0.83	-0.83	0.0	-1.03e-04	2.52e-05
2457	307	-0.54	0.99	-0.83	0.0	-9.69e-05	2.28e-05
2457	310	-0.55	0.82	-0.82	0.0	-9.66e-05	2.29e-05
2458	28	-1.83	1.79	-1.54	0.0	-2.09e-04	6.69e-05
2458	44	-2.17	1.56	-1.36	0.0	-2.07e-04	6.23e-05
2458	68	-0.94	2.83	-1.36	0.0	-1.64e-04	4.89e-05
2458	123	-11.00	3.96	-1.07	0.0	-3.21e-04	8.39e-05
2458	137	0.59	14.40	-1.03	0.0	-8.14e-05	2.74e-04
2458	143	-4.65	13.33	-1.13	0.0	-2.06e-04	1.54e-04
2458	155	-12.29	4.36	-1.10	0.0	-3.48e-04	9.11e-05
2458	169	0.74	16.17	-1.06	0.0	-7.98e-05	3.05e-04
2458	175	-5.15	14.96	-1.17	0.0	-2.20e-04	1.69e-04
2458	187	-12.10	4.51	-1.10	0.0	-3.45e-04	9.55e-05
2458	201	0.74	16.56	-1.06	0.0	-8.12e-05	3.03e-04
2458	207	-5.05	15.34	-1.17	0.0	-2.19e-04	1.69e-04
2458	219	-13.97	5.25	-1.15	0.0	-3.86e-04	1.10e-04
2458	233	0.97	19.53	-1.11	0.0	-7.93e-05	3.50e-04
2458	239	-5.76	18.07	-1.24	0.0	-2.39e-04	1.94e-04
2458	256	-1.25	1.24	-1.08	0.0	-1.45e-04	4.61e-05
2458	264	-1.48	1.09	-0.96	0.0	-1.44e-04	4.31e-05
2458	276	-0.66	1.93	-0.96	0.0	-1.15e-04	3.41e-05
2458	298	-0.63	0.99	-0.87	0.0	-1.01e-04	3.33e-05
2458	305	-0.76	0.94	-0.83	0.0	-1.03e-04	3.30e-05
2458	307	-0.59	1.10	-0.83	0.0	-9.69e-05	3.12e-05
2458	310	-0.59	0.93	-0.83	0.0	-9.66e-05	3.11e-05
2459	28	-1.69	1.61	-1.15	0.0	-2.12e-04	7.69e-05
2459	44	-2.03	1.39	-1.02	0.0	-2.09e-04	7.03e-05
2459	68	-0.84	2.64	-1.00	0.0	-1.63e-04	5.54e-05
2459	123	-10.86	3.81	-0.74	0.0	-2.86e-04	2.42e-05
2459	137	0.70	14.05	-0.61	0.0	-8.04e-05	2.84e-04
2459	155	-12.14	4.21	-0.76	0.0	-3.10e-04	2.35e-05
2459	169	0.86	15.79	-0.61	0.0	-7.85e-05	3.15e-04
2459	187	-11.95	4.35	-0.76	0.0	-3.07e-04	2.88e-05
2459	201	0.85	16.18	-0.61	0.0	-7.98e-05	3.13e-04
2459	219	-13.81	5.08	-0.78	0.0	-3.41e-04	3.20e-05
2459	233	1.09	19.08	-0.61	0.0	-7.74e-05	3.62e-04
2459	256	-1.16	1.12	-0.80	0.0	-1.47e-04	5.28e-05
2459	264	-1.38	0.97	-0.72	0.0	-1.45e-04	4.84e-05
2459	276	-0.59	1.80	-0.70	0.0	-1.14e-04	3.84e-05
2459	298	-0.56	0.89	-0.65	0.0	-1.03e-04	3.88e-05
2459	305	-0.69	0.84	-0.62	0.0	-1.04e-04	3.80e-05
2459	307	-0.53	1.01	-0.62	0.0	-9.81e-05	3.60e-05
2459	310	-0.53	0.84	-0.62	0.0	-9.78e-05	3.59e-05
2460	28	-1.80	1.79	-1.15	0.0	-2.09e-04	7.58e-05
2460	44	-2.14	1.56	-1.02	0.0	-2.06e-04	7.06e-05
2460	68	-0.91	2.82	-1.00	0.0	-1.60e-04	5.81e-05
2460	123	-10.97	3.96	-0.74	0.0	-2.57e-04	8.81e-05
2460	137	0.67	14.39	-0.62	0.0	-8.11e-05	2.80e-04
2460	155	-12.26	4.36	-0.76	0.0	-2.77e-04	9.53e-05
2460	169	0.83	16.16	-0.61	0.0	-7.94e-05	3.11e-04

2460	187	-12.07	4.51	-0.76	0.0	-2.74e-04	9.97e-05
2460	201	0.82	16.56	-0.62	0.0	-8.08e-05	3.08e-04
2460	219	-13.93	5.25	-0.78	0.0	-3.04e-04	1.15e-04
2460	233	1.06	19.52	-0.61	0.0	-7.87e-05	3.56e-04
2460	256	-1.23	1.24	-0.81	0.0	-1.45e-04	5.24e-05
2460	264	-1.45	1.09	-0.72	0.0	-1.43e-04	4.89e-05
2460	276	-0.64	1.93	-0.70	0.0	-1.12e-04	4.06e-05
2460	298	-0.61	0.98	-0.65	0.0	-1.01e-04	3.81e-05
2460	305	-0.74	0.93	-0.63	0.0	-1.03e-04	3.75e-05
2460	307	-0.57	1.10	-0.62	0.0	-9.64e-05	3.59e-05
2460	310	-0.58	0.93	-0.62	0.0	-9.61e-05	3.58e-05
2461	44	-1.66	1.38	-1.00	-1.27e-04	-1.17e-04	3.65e-05
2461	52	-0.64	2.44	-1.14	-1.52e-04	-7.96e-05	2.65e-05
2461	68	-0.54	2.71	-1.02	-1.47e-04	-6.73e-05	2.46e-05
2461	116	-11.59	2.08	-0.57	-1.69e-05	-3.60e-04	-3.75e-04
2461	125	9.99	4.43	-0.68	-1.43e-04	2.59e-04	3.17e-05
2461	139	-1.84	12.82	-0.63	-1.42e-04	-7.00e-05	1.30e-04
2461	148	-12.98	2.21	-0.56	-9.74e-06	-3.99e-04	-4.24e-04
2461	157	11.28	4.90	-0.69	-1.52e-04	2.97e-04	3.45e-05
2461	171	-2.01	14.38	-0.64	-1.52e-04	-7.26e-05	1.45e-04
2461	180	-12.83	2.04	-0.57	-8.56e-06	-3.95e-04	-4.24e-04
2461	185	11.48	4.12	-0.69	-1.47e-04	3.05e-04	1.08e-04
2461	203	-1.93	14.67	-0.64	-1.54e-04	-6.92e-05	1.49e-04
2461	212	-14.95	2.13	-0.55	3.58e-06	-4.55e-04	-5.04e-04
2461	217	13.43	4.77	-0.70	-1.61e-04	3.63e-04	1.29e-04
2461	235	-2.16	17.25	-0.64	-1.70e-04	-7.17e-05	1.76e-04
2461	264	-1.12	0.96	-0.70	-9.00e-05	-8.01e-05	2.50e-05
2461	268	-0.45	1.67	-0.80	-1.07e-04	-5.54e-05	1.84e-05
2461	276	-0.38	1.85	-0.71	-1.03e-04	-4.72e-05	1.71e-05
2461	298	-0.38	0.94	-0.65	-7.41e-05	-4.72e-05	1.33e-05
2461	305	-0.51	0.88	-0.62	-7.08e-05	-5.09e-05	1.47e-05
2461	307	-0.36	1.05	-0.63	-7.35e-05	-4.43e-05	1.31e-05
2461	310	-0.36	0.89	-0.63	-7.17e-05	-4.49e-05	1.25e-05
2462	44	-1.61	1.21	-0.98	0.0	-1.39e-04	3.88e-05
2462	52	-0.61	2.24	-1.14	0.0	-9.80e-05	2.85e-05
2462	68	-0.52	2.52	-1.01	0.0	-8.41e-05	2.65e-05
2462	116	-11.21	1.98	-0.53	0.0	-4.33e-04	-4.20e-04
2462	125	9.85	4.26	-0.72	0.0	3.06e-04	9.33e-05
2462	139	-1.85	12.45	-0.65	0.0	-9.02e-05	1.15e-04
2462	148	-12.56	2.10	-0.52	0.0	-4.80e-04	-4.74e-04
2462	157	11.11	4.71	-0.73	0.0	3.50e-04	1.03e-04
2462	171	-2.02	13.97	-0.66	0.0	-9.40e-05	1.29e-04
2462	180	-12.41	1.94	-0.52	0.0	-4.75e-04	-4.74e-04
2462	189	10.95	4.81	-0.73	0.0	3.44e-04	1.02e-04
2462	203	-1.95	14.26	-0.66	0.0	-9.02e-05	1.33e-04
2462	212	-14.45	2.03	-0.50	0.0	-5.47e-04	-5.62e-04
2462	221	12.79	5.57	-0.75	0.0	4.09e-04	1.18e-04
2462	235	-2.18	16.78	-0.67	0.0	-9.43e-05	1.57e-04
2462	264	-1.09	0.84	-0.69	0.0	-9.59e-05	2.67e-05
2462	268	-0.42	1.53	-0.79	0.0	-6.84e-05	1.98e-05
2462	276	-0.36	1.72	-0.71	0.0	-5.91e-05	1.84e-05
2462	298	-0.36	0.84	-0.65	0.0	-5.75e-05	1.44e-05
2462	305	-0.48	0.78	-0.62	0.0	-6.15e-05	1.57e-05
2462	307	-0.34	0.96	-0.62	0.0	-5.42e-05	1.41e-05
2462	310	-0.34	0.79	-0.62	0.0	-5.48e-05	1.35e-05
2463	44	-1.22	0.51	-1.09	0.0	-1.48e-04	4.38e-05
2463	52	-0.33	1.41	-1.22	0.0	-1.09e-04	3.74e-05
2463	68	-0.28	1.70	-1.11	0.0	-9.18e-05	3.08e-05
2463	116	-9.85	2.90	-0.96	0.0	-8.24e-04	-3.50e-04
2463	119	-8.78	6.83	-1.05	0.0	-7.33e-04	-2.03e-04
2463	139	-1.53	9.75	-0.97	0.0	-1.57e-04	9.66e-05
2463	148	-11.05	3.18	-0.99	0.0	-9.18e-04	-3.96e-04
2463	151	-9.84	7.63	-1.09	0.0	-8.16e-04	-2.30e-04
2463	171	-1.68	10.96	-1.00	0.0	-1.68e-04	1.07e-04
2463	180	-10.91	3.02	-0.98	0.0	-9.07e-04	-3.95e-04
2463	183	-9.68	7.57	-1.09	0.0	-8.02e-04	-2.25e-04
2463	203	-1.61	11.14	-1.00	0.0	-1.62e-04	1.10e-04
2463	212	-12.73	3.38	-1.03	0.0	-1.05e-03	-4.70e-04
2463	215	-11.26	8.81	-1.15	0.0	-9.25e-04	-2.67e-04
2463	235	-1.82	13.13	-1.06	0.0	-1.76e-04	1.28e-04
2463	264	-0.82	0.36	-0.77	0.0	-1.02e-04	2.98e-05
2463	268	-0.23	0.96	-0.85	0.0	-7.55e-05	2.55e-05
2463	276	-0.20	1.16	-0.78	0.0	-6.42e-05	2.11e-05
2463	298	-0.20	0.45	-0.71	0.0	-6.39e-05	2.10e-05
2463	305	-0.31	0.40	-0.69	0.0	-6.74e-05	2.14e-05

2463	307	-0.19	0.56	-0.69	0.0	-5.99e-05	1.96e-05
2463	310	-0.19	0.42	-0.68	0.0	-6.05e-05	1.92e-05
2464	44	-1.30	0.62	-1.09	0.0	-1.50e-04	5.06e-05
2464	52	-0.39	1.56	-1.22	0.0	-1.11e-04	4.76e-05
2464	68	-0.33	1.84	-1.11	0.0	-9.45e-05	3.79e-05
2464	116	-10.28	3.04	-0.96	0.0	-7.53e-04	-3.85e-04
2464	119	-9.17	7.10	-1.05	0.0	-6.70e-04	-2.26e-04
2464	139	-1.61	10.11	-0.97	0.0	-1.48e-04	1.10e-04
2464	148	-11.53	3.33	-0.99	0.0	-8.38e-04	-4.37e-04
2464	151	-10.27	7.92	-1.09	0.0	-7.44e-04	-2.56e-04
2464	171	-1.77	11.36	-1.00	0.0	-1.57e-04	1.22e-04
2464	180	-11.39	3.16	-0.98	0.0	-8.28e-04	-4.36e-04
2464	183	-10.10	7.87	-1.09	0.0	-7.32e-04	-2.51e-04
2464	203	-1.70	11.55	-1.00	0.0	-1.52e-04	1.26e-04
2464	212	-13.28	3.53	-1.03	0.0	-9.58e-04	-5.19e-04
2464	215	-11.75	9.14	-1.15	0.0	-8.43e-04	-2.98e-04
2464	235	-1.92	13.60	-1.06	0.0	-1.64e-04	1.46e-04
2464	264	-0.88	0.43	-0.77	0.0	-1.03e-04	3.43e-05
2464	268	-0.27	1.06	-0.85	0.0	-7.71e-05	3.23e-05
2464	276	-0.23	1.25	-0.77	0.0	-6.62e-05	2.58e-05
2464	298	-0.24	0.51	-0.71	0.0	-6.49e-05	2.72e-05
2464	305	-0.35	0.46	-0.68	0.0	-6.85e-05	2.69e-05
2464	307	-0.22	0.63	-0.69	0.0	-6.10e-05	2.52e-05
2464	310	-0.22	0.48	-0.68	0.0	-6.16e-05	2.47e-05
2465	43	-1.53	0.94	-1.19	-1.94e-04	0.0	1.07e-04
2465	52	-0.52	2.10	-1.49	-2.93e-04	0.0	1.29e-04
2465	68	-0.42	2.38	-1.36	-2.90e-04	0.0	1.26e-04
2465	116	-10.71	3.45	-1.02	-2.35e-04	0.0	-2.73e-04
2465	139	-1.83	11.57	-1.19	-5.52e-04	0.0	2.57e-04
2465	148	-11.99	3.76	-1.05	-2.46e-04	0.0	-3.17e-04
2465	171	-2.02	12.97	-1.24	-6.06e-04	0.0	2.83e-04
2465	180	-11.84	3.57	-1.04	-2.38e-04	0.0	-3.20e-04
2465	203	-1.94	13.19	-1.25	-6.15e-04	0.0	2.89e-04
2465	212	-13.79	3.95	-1.08	-2.51e-04	0.0	-3.92e-04
2465	235	-2.20	15.50	-1.33	-7.04e-04	0.0	3.33e-04
2465	263	-1.03	0.66	-0.84	-1.37e-04	0.0	7.71e-05
2465	268	-0.36	1.44	-1.04	-2.04e-04	0.0	9.20e-05
2465	276	-0.29	1.62	-0.95	-2.01e-04	0.0	9.00e-05
2465	298	-0.31	0.78	-0.84	-1.41e-04	0.0	6.56e-05
2465	305	-0.44	0.71	-0.81	-1.35e-04	0.0	6.71e-05
2465	307	-0.29	0.89	-0.81	-1.43e-04	0.0	6.49e-05
2465	310	-0.29	0.73	-0.81	-1.36e-04	0.0	6.48e-05
2466	44	-1.74	1.16	-1.36	-2.47e-04	0.0	6.08e-05
2466	52	-0.71	2.27	-1.54	-3.12e-04	0.0	5.20e-05
2466	68	-0.60	2.55	-1.41	-3.08e-04	0.0	5.05e-05
2466	116	-11.06	3.57	-1.05	-2.40e-04	0.0	-3.53e-04
2466	139	-1.99	11.83	-1.23	-5.42e-04	0.0	1.81e-04
2466	148	-12.38	3.88	-1.08	-2.51e-04	0.0	-4.01e-04
2466	171	-2.18	13.26	-1.28	-5.94e-04	0.0	2.02e-04
2466	180	-12.22	3.70	-1.07	-2.44e-04	0.0	-4.02e-04
2466	203	-2.11	13.48	-1.29	-6.02e-04	0.0	2.07e-04
2466	212	-14.21	4.08	-1.11	-2.57e-04	0.0	-4.81e-04
2466	235	-2.37	15.83	-1.37	-6.86e-04	0.0	2.43e-04
2466	264	-1.18	0.82	-0.95	-1.74e-04	0.0	4.24e-05
2466	268	-0.49	1.55	-1.08	-2.17e-04	0.0	3.66e-05
2466	276	-0.42	1.74	-0.99	-2.14e-04	0.0	3.55e-05
2466	298	-0.41	0.86	-0.87	-1.51e-04	0.0	2.55e-05
2466	305	-0.54	0.79	-0.83	-1.44e-04	0.0	2.68e-05
2466	307	-0.39	0.97	-0.84	-1.52e-04	0.0	2.54e-05
2466	310	-0.39	0.81	-0.83	-1.45e-04	0.0	2.46e-05
2467	44	-1.37	0.91	-0.33	-2.14e-04	0.0	4.70e-05
2467	68	-0.36	2.24	-0.21	-2.13e-04	0.0	1.24e-03
2467	116	-12.57	3.42	-0.53	-2.56e-04	0.0	-3.16e-04
2467	139	-1.28	11.11	0.22	-6.29e-04	0.0	6.32e-04
2467	144	-5.36	-8.59	-0.77	3.00e-04	0.0	-6.33e-04
2467	148	-14.10	3.74	-0.57	-2.70e-04	0.0	-3.59e-04
2467	171	-1.38	12.47	0.27	-6.93e-04	0.0	7.13e-04
2467	176	-6.01	-9.80	-0.84	3.56e-04	0.0	-7.18e-04
2467	180	-13.98	3.56	-0.58	-2.62e-04	0.0	-3.69e-04
2467	203	-1.27	12.67	0.29	-7.03e-04	0.0	7.31e-04
2467	208	-6.01	-10.05	-0.85	3.68e-04	0.0	-7.39e-04
2467	212	-16.33	3.95	-0.65	-2.79e-04	0.0	-4.46e-04
2467	235	-1.39	14.90	0.38	-8.09e-04	0.0	8.67e-04
2467	240	-7.02	-12.06	-0.98	4.62e-04	0.0	-8.83e-04
2467	264	-0.93	0.64	-0.24	-1.50e-04	0.0	3.29e-05

2467	276	-0.26	1.53	-0.15	-1.49e-04	0.0	8.31e-04
2467	305	-0.39	0.64	-0.20	-1.30e-04	0.0	1.76e-05
2467	307	-0.25	0.82	-0.18	-1.30e-04	0.0	1.77e-04
2467	310	-0.26	0.67	-0.19	-1.31e-04	0.0	1.55e-05
2468	44	-1.43	1.07	-0.23	-2.18e-04	0.0	4.36e-05
2468	68	-0.40	3.21	-0.17	7.92e-04	0.0	7.32e-04
2468	76	-0.54	0.84	-0.25	-5.61e-04	0.0	-1.82e-04
2468	116	-12.86	3.35	-0.03	-1.81e-04	0.0	-3.04e-04
2468	138	0.73	-10.44	-0.43	-1.62e-04	0.0	-3.90e-04
2468	139	-1.30	11.94	0.11	-1.07e-04	0.0	4.19e-04
2468	148	-14.42	3.65	-0.01	-1.85e-04	0.0	-3.46e-04
2468	170	0.83	-11.89	-0.46	-1.65e-04	0.0	-4.43e-04
2468	171	-1.40	13.40	0.14	-1.04e-04	0.0	4.73e-04
2468	180	-14.30	3.46	-0.02	-1.74e-04	0.0	-3.56e-04
2468	202	0.72	-12.12	-0.47	-1.61e-04	0.0	-4.56e-04
2468	203	-1.29	13.62	0.15	-1.08e-04	0.0	4.85e-04
2468	212	-16.70	3.82	4.90e-03	-1.77e-04	0.0	-4.29e-04
2468	234	0.83	-14.51	-0.52	-1.63e-04	0.0	-5.45e-04
2468	235	-1.40	16.01	0.20	-1.05e-04	0.0	5.75e-04
2468	264	-0.97	0.75	-0.17	-1.53e-04	0.0	3.03e-05
2468	276	-0.28	2.17	-0.13	5.21e-04	0.0	4.89e-04
2468	280	-0.37	0.60	-0.18	-3.81e-04	0.0	-1.20e-04
2468	298	-0.30	0.79	-0.16	-1.41e-04	0.0	1.52e-05
2468	305	-0.42	0.73	-0.16	-1.33e-04	0.0	1.69e-05
2468	307	-0.28	1.01	-0.15	1.23e-06	0.0	1.09e-04
2468	310	-0.28	0.75	-0.16	-1.34e-04	0.0	1.48e-05
2469	44	-1.43	1.05	-0.27	-2.18e-04	0.0	4.46e-05
2469	68	-0.39	2.80	-0.18	2.94e-04	0.0	7.39e-04
2469	76	-0.53	0.94	-0.28	-4.10e-04	0.0	-1.83e-04
2469	116	-12.85	3.45	-0.32	-1.87e-04	0.0	-3.04e-04
2469	139	-1.29	11.69	0.13	-3.80e-04	0.0	4.23e-04
2469	144	-5.51	-8.99	-0.53	6.87e-05	0.0	-4.30e-04
2469	148	-14.42	3.76	-0.33	-1.93e-04	0.0	-3.45e-04
2469	171	-1.40	13.11	0.17	-4.12e-04	0.0	4.77e-04
2469	176	-6.17	-10.27	-0.57	9.55e-05	0.0	-4.89e-04
2469	180	-14.29	3.58	-0.34	-1.87e-04	0.0	-3.55e-04
2469	203	-1.29	13.33	0.18	-4.16e-04	0.0	4.90e-04
2469	208	-6.18	-10.52	-0.58	1.02e-04	0.0	-5.04e-04
2469	212	-16.70	3.96	-0.37	-1.93e-04	0.0	-4.28e-04
2469	235	-1.40	15.66	0.24	-4.69e-04	0.0	5.80e-04
2469	240	-7.21	-12.64	-0.66	1.47e-04	0.0	-6.03e-04
2469	264	-0.97	0.74	-0.20	-1.53e-04	0.0	3.10e-05
2469	276	-0.28	1.91	-0.14	1.89e-04	0.0	4.94e-04
2469	280	-0.37	0.66	-0.20	-2.81e-04	0.0	-1.21e-04
2469	305	-0.41	0.72	-0.17	-1.33e-04	0.0	1.74e-05
2469	307	-0.27	0.95	-0.16	-6.42e-05	0.0	1.10e-04
2469	310	-0.28	0.74	-0.17	-1.33e-04	0.0	1.53e-05
2470	44	-1.49	0.90	-0.89	0.0	-1.42e-04	4.18e-05
2470	52	-0.53	1.95	-0.99	0.0	-9.94e-05	3.32e-05
2470	68	-0.44	2.23	-0.90	0.0	-8.52e-05	2.94e-05
2470	116	-11.55	3.42	-0.72	0.0	-4.29e-04	-3.73e-04
2470	119	-10.19	7.84	-0.78	0.0	-3.66e-04	-1.99e-04
2470	139	-1.71	11.12	-0.75	0.0	-7.54e-05	1.28e-04
2470	148	-12.95	3.74	-0.74	0.0	-4.76e-04	-4.22e-04
2470	151	-11.40	8.74	-0.81	0.0	-4.04e-04	-2.25e-04
2470	171	-1.87	12.47	-0.77	0.0	-7.72e-05	1.43e-04
2470	180	-12.80	3.56	-0.74	0.0	-4.71e-04	-4.22e-04
2470	183	-11.22	8.67	-0.81	0.0	-3.97e-04	-2.20e-04
2470	203	-1.79	12.68	-0.78	0.0	-7.28e-05	1.47e-04
2470	212	-14.93	3.95	-0.76	0.0	-5.43e-04	-5.01e-04
2470	215	-13.04	10.06	-0.85	0.0	-4.54e-04	-2.60e-04
2470	235	-2.00	14.90	-0.81	0.0	-7.35e-05	1.72e-04
2470	264	-1.01	0.63	-0.62	0.0	-9.74e-05	2.86e-05
2470	268	-0.37	1.33	-0.69	0.0	-6.93e-05	2.29e-05
2470	276	-0.31	1.52	-0.63	0.0	-5.99e-05	2.03e-05
2470	298	-0.31	0.70	-0.58	0.0	-5.84e-05	1.75e-05
2470	305	-0.43	0.64	-0.56	0.0	-6.25e-05	1.85e-05
2470	307	-0.29	0.82	-0.56	0.0	-5.50e-05	1.68e-05
2470	310	-0.30	0.66	-0.56	0.0	-5.57e-05	1.62e-05
2471	44	-1.56	1.07	-0.98	-2.14e-04	0.0	8.10e-05
2471	52	-0.55	2.14	-1.15	-2.82e-04	0.0	7.01e-05
2471	68	-0.45	2.42	-1.05	-2.78e-04	0.0	6.91e-05
2471	116	-10.73	3.35	-0.51	-1.98e-04	0.0	-3.12e-04
2471	139	-1.86	11.69	-0.83	-4.79e-04	0.0	2.53e-04
2471	141	3.99	10.50	-0.88	-4.32e-04	0.0	3.04e-04

2471	148	-12.02	3.64	-0.50	-2.05e-04	0.0	-3.56e-04
2471	171	-2.04	13.12	-0.85	-5.25e-04	0.0	2.82e-04
2471	173	4.53	11.78	-0.92	-4.71e-04	0.0	3.39e-04
2471	180	-11.86	3.46	-0.50	-1.99e-04	0.0	-3.61e-04
2471	203	-1.97	13.34	-0.86	-5.32e-04	0.0	2.90e-04
2471	205	4.50	12.04	-0.92	-4.80e-04	0.0	3.47e-04
2471	212	-13.81	3.81	-0.47	-2.07e-04	0.0	-4.35e-04
2471	235	-2.22	15.67	-0.90	-6.07e-04	0.0	3.39e-04
2471	237	5.31	14.16	-0.98	-5.46e-04	0.0	4.07e-04
2471	264	-1.06	0.75	-0.69	-1.50e-04	0.0	5.69e-05
2471	268	-0.38	1.46	-0.81	-1.95e-04	0.0	4.96e-05
2471	276	-0.32	1.65	-0.74	-1.93e-04	0.0	4.90e-05
2471	298	-0.33	0.80	-0.65	-1.36e-04	0.0	3.47e-05
2471	305	-0.46	0.73	-0.62	-1.29e-04	0.0	3.62e-05
2471	307	-0.31	0.91	-0.63	-1.37e-04	0.0	3.46e-05
2471	310	-0.31	0.75	-0.63	-1.30e-04	0.0	3.40e-05
2472	4	-0.17	1.14	-0.43	-2.73e-04	0.0	1.32e-05
2472	44	-1.46	1.07	-0.37	-2.40e-04	0.0	2.74e-05
2472	68	-0.40	2.11	-0.38	-3.10e-04	0.0	1.34e-05
2472	118	8.14	0.02	-0.25	-9.86e-05	0.0	2.50e-04
2472	123	-9.54	3.54	-0.23	-3.82e-04	0.0	8.19e-05
2472	137	1.15	12.76	-0.24	-1.11e-03	0.0	1.98e-04
2472	150	9.17	-0.05	-0.25	-9.28e-05	0.0	2.80e-04
2472	155	-10.69	3.94	-0.23	-4.13e-04	0.0	9.16e-05
2472	169	1.33	14.36	-0.24	-1.24e-03	0.0	2.21e-04
2472	182	9.02	-0.07	-0.25	-9.25e-05	0.0	2.76e-04
2472	187	-10.53	4.08	-0.23	-4.24e-04	0.0	9.57e-05
2472	201	1.29	14.74	-0.24	-1.27e-03	0.0	2.17e-04
2472	214	10.56	-0.18	-0.25	-8.47e-05	0.0	3.21e-04
2472	219	-12.19	4.80	-0.23	-4.83e-04	0.0	1.14e-04
2472	233	1.54	17.43	-0.24	-1.48e-03	0.0	2.53e-04
2472	244	-0.13	0.79	-0.30	-1.90e-04	0.0	9.31e-06
2472	264	-0.99	0.75	-0.27	-1.68e-04	0.0	1.88e-05
2472	276	-0.28	1.44	-0.27	-2.15e-04	0.0	9.48e-06
2472	298	-0.28	0.65	-0.25	-1.52e-04	0.0	9.47e-06
2472	305	-0.40	0.62	-0.24	-1.44e-04	0.0	1.06e-05
2472	307	-0.26	0.76	-0.24	-1.53e-04	0.0	8.76e-06
2472	310	-0.26	0.61	-0.24	-1.44e-04	0.0	8.90e-06
2473	44	-1.73	1.18	-0.99	-2.15e-04	0.0	5.26e-05
2473	52	-0.70	2.28	-1.16	-2.83e-04	0.0	4.43e-05
2473	68	-0.60	2.56	-1.06	-2.79e-04	0.0	4.30e-05
2473	116	-11.06	3.44	-0.52	-1.92e-04	0.0	-3.56e-04
2473	139	-1.99	11.91	-0.83	-4.59e-04	0.0	1.80e-04
2473	141	4.00	10.69	-0.89	-4.13e-04	0.0	2.41e-04
2473	148	-12.38	3.74	-0.50	-1.99e-04	0.0	-4.04e-04
2473	171	-2.18	13.35	-0.85	-5.02e-04	0.0	2.01e-04
2473	173	4.55	11.99	-0.92	-4.50e-04	0.0	2.70e-04
2473	180	-12.22	3.55	-0.50	-1.93e-04	0.0	-4.05e-04
2473	203	-2.10	13.57	-0.86	-5.09e-04	0.0	2.07e-04
2473	205	4.51	12.25	-0.93	-4.59e-04	0.0	2.75e-04
2473	212	-14.21	3.91	-0.48	-2.00e-04	0.0	-4.84e-04
2473	235	-2.37	15.94	-0.91	-5.79e-04	0.0	2.43e-04
2473	237	5.34	14.40	-0.98	-5.21e-04	0.0	3.24e-04
2473	264	-1.18	0.83	-0.70	-1.51e-04	0.0	3.65e-05
2473	268	-0.49	1.56	-0.81	-1.96e-04	0.0	3.10e-05
2473	276	-0.42	1.75	-0.74	-1.93e-04	0.0	3.01e-05
2473	298	-0.41	0.86	-0.66	-1.36e-04	0.0	2.14e-05
2473	305	-0.54	0.80	-0.63	-1.29e-04	0.0	2.27e-05
2473	307	-0.39	0.98	-0.64	-1.38e-04	0.0	2.14e-05
2473	310	-0.39	0.82	-0.63	-1.30e-04	0.0	2.05e-05
2474	44	-1.57	1.10	-0.77	-2.08e-04	0.0	5.77e-05
2474	52	-0.57	2.16	-0.95	-2.78e-04	0.0	4.73e-05
2474	68	-0.47	2.44	-0.86	-2.72e-04	0.0	4.74e-05
2474	116	-10.74	3.24	-0.15	-1.71e-04	0.0	-3.27e-04
2474	125	9.80	4.11	-0.95	-1.88e-04	0.0	6.42e-05
2474	139	-1.87	11.81	-0.61	-4.18e-04	0.0	2.42e-04
2474	148	-12.03	3.52	-0.10	-1.76e-04	0.0	-3.72e-04
2474	157	11.06	4.55	-1.01	-1.96e-04	0.0	7.00e-05
2474	171	-2.05	13.25	-0.62	-4.56e-04	0.0	2.72e-04
2474	180	-11.87	3.33	-0.10	-1.70e-04	0.0	-3.76e-04
2474	189	10.90	4.63	-1.00	-1.99e-04	0.0	7.35e-05
2474	203	-1.98	13.48	-0.63	-4.62e-04	0.0	2.80e-04
2474	212	-13.82	3.67	-0.03	-1.74e-04	0.0	-4.51e-04
2474	221	12.72	5.35	-1.08	-2.13e-04	0.0	8.46e-05
2474	235	-2.23	15.84	-0.65	-5.24e-04	0.0	3.29e-04

2474	264	-1.06	0.77	-0.55	-1.45e-04	0.0	4.03e-05
2474	268	-0.39	1.48	-0.66	-1.92e-04	0.0	3.34e-05
2474	276	-0.33	1.67	-0.61	-1.88e-04	0.0	3.35e-05
2474	298	-0.34	0.81	-0.54	-1.34e-04	0.0	2.27e-05
2474	305	-0.46	0.74	-0.51	-1.27e-04	0.0	2.44e-05
2474	307	-0.32	0.92	-0.52	-1.35e-04	0.0	2.30e-05
2474	310	-0.32	0.76	-0.52	-1.27e-04	0.0	2.22e-05
2475	4	-0.22	1.29	-0.43	-2.75e-04	0.0	1.43e-05
2475	44	-1.55	1.20	-0.38	-2.42e-04	0.0	2.85e-05
2475	68	-0.46	2.27	-0.38	-3.13e-04	0.0	1.49e-05
2475	118	8.35	0.08	-0.25	-1.02e-04	0.0	2.60e-04
2475	123	-9.83	3.75	-0.23	-3.55e-04	0.0	8.70e-05
2475	137	1.16	13.33	-0.24	-1.01e-03	0.0	2.08e-04
2475	150	9.41	-2.50e-03	-0.25	-9.69e-05	0.0	2.91e-04
2475	155	-11.01	4.16	-0.23	-3.83e-04	0.0	9.73e-05
2475	169	1.34	14.99	-0.24	-1.13e-03	0.0	2.33e-04
2475	182	9.25	-0.02	-0.25	-9.70e-05	0.0	2.87e-04
2475	187	-10.84	4.30	-0.23	-3.92e-04	0.0	1.02e-04
2475	201	1.30	15.39	-0.24	-1.15e-03	0.0	2.29e-04
2475	214	10.84	-0.13	-0.26	-8.98e-05	0.0	3.34e-04
2475	219	-12.55	5.06	-0.23	-4.44e-04	0.0	1.21e-04
2475	233	1.56	18.19	-0.24	-1.34e-03	0.0	2.67e-04
2475	244	-0.16	0.89	-0.30	-1.91e-04	0.0	1.01e-05
2475	264	-1.05	0.84	-0.27	-1.69e-04	0.0	1.96e-05
2475	276	-0.32	1.55	-0.27	-2.16e-04	0.0	1.05e-05
2475	298	-0.31	0.73	-0.25	-1.53e-04	0.0	1.02e-05
2475	305	-0.44	0.70	-0.24	-1.45e-04	0.0	1.13e-05
2475	307	-0.29	0.84	-0.24	-1.54e-04	0.0	9.46e-06
2475	310	-0.30	0.69	-0.24	-1.45e-04	0.0	9.54e-06
2476	44	-1.37	0.93	-0.35	-2.38e-04	0.0	2.45e-05
2476	68	-0.35	1.94	-0.35	-3.08e-04	0.0	9.95e-06
2476	76	-0.42	0.69	-0.40	-2.50e-04	0.0	1.45e-05
2476	123	-9.25	3.28	-0.22	-3.96e-04	0.0	7.62e-05
2476	137	1.15	12.09	-0.21	-1.17e-03	0.0	1.88e-04
2476	140	-1.60	-11.03	-0.24	8.88e-04	0.0	-1.74e-04
2476	155	-10.37	3.65	-0.22	-4.30e-04	0.0	8.54e-05
2476	169	1.31	13.61	-0.21	-1.31e-03	0.0	2.11e-04
2476	172	-1.77	-12.55	-0.24	1.02e-03	0.0	-1.96e-04
2476	187	-10.21	3.79	-0.22	-4.42e-04	0.0	8.92e-05
2476	201	1.28	13.96	-0.21	-1.34e-03	0.0	2.07e-04
2476	204	-1.73	-12.90	-0.24	1.05e-03	0.0	-1.93e-04
2476	219	-11.83	4.47	-0.22	-5.04e-04	0.0	1.07e-04
2476	233	1.52	16.52	-0.21	-1.57e-03	0.0	2.41e-04
2476	236	-1.98	-15.46	-0.24	1.28e-03	0.0	-2.27e-04
2476	264	-0.92	0.65	-0.25	-1.67e-04	0.0	1.68e-05
2476	276	-0.24	1.32	-0.25	-2.13e-04	0.0	7.07e-06
2476	280	-0.29	0.48	-0.28	-1.75e-04	0.0	1.01e-05
2476	298	-0.24	0.56	-0.24	-1.50e-04	0.0	7.74e-06
2476	305	-0.36	0.54	-0.23	-1.43e-04	0.0	8.96e-06
2476	307	-0.23	0.67	-0.22	-1.52e-04	0.0	7.02e-06
2476	310	-0.23	0.53	-0.23	-1.43e-04	0.0	7.28e-06
2477	44	-1.73	1.20	-0.77	-2.03e-04	0.0	4.40e-05
2477	52	-0.70	2.30	-0.95	-2.73e-04	0.0	3.59e-05
2477	68	-0.60	2.57	-0.86	-2.68e-04	0.0	3.50e-05
2477	116	-11.06	3.31	-0.15	-1.62e-04	0.0	-3.60e-04
2477	125	9.96	4.20	-0.95	-1.77e-04	0.0	4.15e-05
2477	139	-1.98	11.99	-0.61	-3.88e-04	0.0	1.76e-04
2477	148	-12.38	3.59	-0.10	-1.66e-04	0.0	-4.08e-04
2477	157	11.24	4.64	-1.01	-1.84e-04	0.0	4.52e-05
2477	171	-2.17	13.44	-0.62	-4.22e-04	0.0	1.98e-04
2477	180	-12.22	3.40	-0.10	-1.60e-04	0.0	-4.09e-04
2477	189	11.07	4.72	-1.00	-1.87e-04	0.0	4.79e-05
2477	203	-2.10	13.67	-0.63	-4.28e-04	0.0	2.03e-04
2477	212	-14.21	3.74	-0.03	-1.63e-04	0.0	-4.88e-04
2477	221	12.94	5.44	-1.08	-1.99e-04	0.0	5.52e-05
2477	235	-2.36	16.05	-0.66	-4.84e-04	0.0	2.39e-04
2477	264	-1.18	0.84	-0.55	-1.42e-04	0.0	3.04e-05
2477	268	-0.49	1.57	-0.66	-1.89e-04	0.0	2.50e-05
2477	276	-0.42	1.76	-0.61	-1.85e-04	0.0	2.44e-05
2477	298	-0.41	0.87	-0.54	-1.31e-04	0.0	1.70e-05
2477	305	-0.54	0.80	-0.51	-1.24e-04	0.0	1.83e-05
2477	307	-0.39	0.99	-0.52	-1.33e-04	0.0	1.71e-05
2477	310	-0.39	0.82	-0.52	-1.25e-04	0.0	1.62e-05
2478	28	-1.10	1.29	-0.44	0.0	-1.20e-04	2.01e-05
2478	44	-1.43	1.02	-0.43	0.0	-1.30e-04	2.21e-05

2478	68	-0.40	2.38	-0.33	0.0	-7.18e-05	1.73e-05
2478	116	-12.65	3.55	-0.50	0.0	-5.44e-04	-3.69e-04
2478	139	-1.36	11.43	0.02	0.0	-3.90e-05	1.46e-04
2478	144	-5.40	-8.74	-0.65	0.0	-3.05e-04	-1.97e-04
2478	148	-14.19	3.88	-0.53	0.0	-6.05e-04	-4.16e-04
2478	171	-1.48	12.82	0.06	0.0	-3.66e-05	1.64e-04
2478	176	-6.05	-9.99	-0.70	0.0	-3.38e-04	-2.24e-04
2478	180	-14.06	3.69	-0.53	0.0	-6.02e-04	-4.18e-04
2478	203	-1.37	13.03	0.07	0.0	-2.99e-05	1.69e-04
2478	208	-6.06	-10.23	-0.71	0.0	-3.40e-04	-2.28e-04
2478	212	-16.42	4.10	-0.58	0.0	-6.98e-04	-4.96e-04
2478	235	-1.50	15.30	0.13	0.0	-2.30e-05	2.01e-04
2478	240	-7.07	-12.30	-0.79	0.0	-3.92e-04	-2.72e-04
2478	256	-0.75	0.89	-0.31	0.0	-8.27e-05	1.38e-05
2478	264	-0.97	0.72	-0.30	0.0	-8.95e-05	1.52e-05
2478	276	-0.28	1.62	-0.24	0.0	-5.05e-05	1.19e-05
2478	298	-0.30	0.78	-0.26	0.0	-5.10e-05	7.12e-06
2478	305	-0.41	0.71	-0.26	0.0	-5.55e-05	8.08e-06
2478	307	-0.28	0.89	-0.25	0.0	-4.77e-05	7.43e-06
2478	310	-0.28	0.73	-0.26	0.0	-4.87e-05	6.59e-06
2479	28	-1.65	1.63	-0.89	0.0	-2.18e-04	8.52e-05
2479	44	-2.00	1.41	-0.79	0.0	-2.13e-04	7.78e-05
2479	68	-0.81	2.65	-0.75	0.0	-1.65e-04	6.40e-05
2479	123	-10.87	3.82	-0.51	0.0	-2.31e-04	2.91e-05
2479	137	0.78	14.07	-0.25	0.0	-8.67e-05	2.90e-04
2479	144	-2.38	-11.55	-0.73	0.0	-9.80e-05	-1.25e-04
2479	155	-12.15	4.22	-0.52	0.0	-2.48e-04	2.84e-05
2479	169	0.94	15.81	-0.22	0.0	-8.52e-05	3.22e-04
2479	176	-2.62	-13.17	-0.76	0.0	-9.76e-05	-1.46e-04
2479	187	-11.96	4.36	-0.51	0.0	-2.45e-04	3.38e-05
2479	201	0.93	16.19	-0.21	0.0	-8.64e-05	3.20e-04
2479	208	-2.61	-13.55	-0.76	0.0	-9.68e-05	-1.45e-04
2479	219	-13.82	5.09	-0.51	0.0	-2.69e-04	3.71e-05
2479	233	1.18	19.10	-0.16	0.0	-8.45e-05	3.69e-04
2479	240	-2.95	-16.28	-0.82	0.0	-9.56e-05	-1.78e-04
2479	256	-1.13	1.13	-0.63	0.0	-1.51e-04	5.87e-05
2479	264	-1.36	0.98	-0.56	0.0	-1.47e-04	5.37e-05
2479	276	-0.56	1.81	-0.53	0.0	-1.15e-04	4.45e-05
2479	298	-0.54	0.90	-0.51	0.0	-1.06e-04	4.34e-05
2479	305	-0.67	0.85	-0.49	0.0	-1.07e-04	4.23e-05
2479	307	-0.51	1.02	-0.48	0.0	-1.01e-04	4.05e-05
2479	310	-0.51	0.85	-0.49	0.0	-1.01e-04	4.04e-05
2480	28	-1.76	1.79	-0.89	0.0	-2.16e-04	7.91e-05
2480	44	-2.10	1.56	-0.79	0.0	-2.11e-04	7.35e-05
2480	68	-0.89	2.82	-0.75	0.0	-1.63e-04	6.14e-05
2480	123	-10.94	3.96	-0.51	0.0	-1.95e-04	9.01e-05
2480	137	0.75	14.39	-0.25	0.0	-8.96e-05	2.82e-04
2480	144	-2.43	-11.68	-0.73	0.0	-8.84e-05	-1.13e-04
2480	155	-12.23	4.36	-0.52	0.0	-2.06e-04	9.74e-05
2480	169	0.91	16.16	-0.22	0.0	-8.85e-05	3.12e-04
2480	176	-2.67	-13.34	-0.76	0.0	-8.69e-05	-1.32e-04
2480	187	-12.04	4.51	-0.51	0.0	-2.05e-04	1.02e-04
2480	201	0.90	16.55	-0.21	0.0	-8.96e-05	3.10e-04
2480	208	-2.65	-13.72	-0.77	0.0	-8.63e-05	-1.31e-04
2480	219	-13.90	5.25	-0.51	0.0	-2.22e-04	1.17e-04
2480	233	1.15	19.51	-0.16	0.0	-8.85e-05	3.58e-04
2480	240	-3.00	-16.50	-0.82	0.0	-8.36e-05	-1.60e-04
2480	256	-1.20	1.24	-0.63	0.0	-1.49e-04	5.47e-05
2480	264	-1.43	1.09	-0.56	0.0	-1.46e-04	5.10e-05
2480	276	-0.62	1.93	-0.53	0.0	-1.14e-04	4.29e-05
2480	298	-0.59	0.98	-0.51	0.0	-1.05e-04	3.99e-05
2480	305	-0.72	0.93	-0.49	0.0	-1.06e-04	3.92e-05
2480	307	-0.56	1.10	-0.48	0.0	-9.97e-05	3.76e-05
2480	310	-0.56	0.93	-0.49	0.0	-9.94e-05	3.75e-05
2481	28	-1.16	1.41	-0.45	-1.80e-04	-1.19e-04	3.88e-05
2481	44	-1.49	1.14	-0.44	-1.52e-04	-1.28e-04	4.19e-05
2481	68	-0.43	2.53	-0.34	-1.99e-04	-7.60e-05	3.09e-05
2481	116	-12.86	3.68	-0.50	2.36e-05	-3.56e-04	-3.47e-04
2481	139	-1.37	11.74	0.02	-2.99e-04	-4.89e-05	1.60e-04
2481	144	-5.53	-8.89	-0.65	1.54e-04	-2.11e-04	-1.84e-04
2481	148	-14.42	4.01	-0.53	3.98e-05	-3.94e-04	-3.92e-04
2481	171	-1.49	13.16	0.05	-3.26e-04	-4.82e-05	1.79e-04
2481	176	-6.20	-10.16	-0.70	1.87e-04	-2.31e-04	-2.10e-04
2481	180	-14.30	3.82	-0.54	4.31e-05	-3.92e-04	-3.93e-04
2481	203	-1.38	13.38	0.06	-3.32e-04	-4.40e-05	1.84e-04

2481	208	-6.20	-10.41	-0.71	1.93e-04	-2.32e-04	-2.14e-04
2481	212	-16.70	4.23	-0.59	7.13e-05	-4.51e-04	-4.69e-04
2481	235	-1.50	15.70	0.12	-3.76e-04	-4.09e-05	2.17e-04
2481	240	-7.23	-12.52	-0.80	2.48e-04	-2.65e-04	-2.58e-04
2481	256	-0.79	0.98	-0.32	-1.24e-04	-8.20e-05	2.69e-05
2481	264	-1.01	0.80	-0.31	-1.06e-04	-8.83e-05	2.89e-05
2481	276	-0.30	1.72	-0.25	-1.37e-04	-5.36e-05	2.16e-05
2481	298	-0.32	0.85	-0.27	-1.06e-04	-5.11e-05	1.57e-05
2481	305	-0.44	0.78	-0.27	-9.89e-05	-5.53e-05	1.72e-05
2481	307	-0.30	0.96	-0.25	-1.05e-04	-4.83e-05	1.57e-05
2481	310	-0.31	0.80	-0.26	-1.01e-04	-4.91e-05	1.47e-05
2482	28	-1.12	1.28	-0.53	0.0	-1.24e-04	3.15e-05
2482	44	-1.45	1.02	-0.50	0.0	-1.34e-04	3.46e-05
2482	68	-0.41	2.38	-0.43	0.0	-7.54e-05	2.45e-05
2482	116	-12.49	3.55	-0.46	0.0	-4.75e-04	-3.16e-04
2482	139	-1.43	11.43	-0.14	0.0	-3.89e-05	1.50e-04
2482	144	-5.32	-8.74	-0.54	0.0	-2.78e-04	-1.67e-04
2482	148	-14.00	3.88	-0.48	0.0	-5.28e-04	-3.58e-04
2482	171	-1.56	12.82	-0.12	0.0	-3.64e-05	1.68e-04
2482	176	-5.96	-9.99	-0.58	0.0	-3.07e-04	-1.90e-04
2482	180	-13.87	3.69	-0.49	0.0	-5.25e-04	-3.58e-04
2482	203	-1.45	13.03	-0.12	0.0	-3.04e-05	1.73e-04
2482	208	-5.96	-10.23	-0.58	0.0	-3.10e-04	-1.94e-04
2482	212	-16.20	4.10	-0.52	0.0	-6.08e-04	-4.27e-04
2482	235	-1.59	15.30	-0.08	0.0	-2.37e-05	2.04e-04
2482	240	-6.95	-12.30	-0.63	0.0	-3.56e-04	-2.33e-04
2482	256	-0.76	0.89	-0.37	0.0	-8.56e-05	2.17e-05
2482	264	-0.98	0.72	-0.35	0.0	-9.22e-05	2.37e-05
2482	276	-0.29	1.62	-0.31	0.0	-5.30e-05	1.70e-05
2482	298	-0.30	0.78	-0.32	0.0	-5.32e-05	1.20e-05
2482	305	-0.42	0.71	-0.31	0.0	-5.76e-05	1.34e-05
2482	307	-0.28	0.89	-0.30	0.0	-4.98e-05	1.21e-05
2482	310	-0.29	0.73	-0.31	0.0	-5.08e-05	1.13e-05
2483	44	-1.46	1.06	-0.36	-2.39e-04	0.0	2.53e-05
2483	68	-0.40	2.10	-0.35	-3.09e-04	0.0	1.09e-05
2483	76	-0.49	0.82	-0.40	-2.51e-04	0.0	1.54e-05
2483	123	-9.54	3.50	-0.23	-3.77e-04	0.0	8.19e-05
2483	137	1.15	12.71	-0.21	-1.10e-03	0.0	1.99e-04
2483	140	-1.68	-11.49	-0.24	8.15e-04	0.0	-1.83e-04
2483	155	-10.69	3.89	-0.23	-4.08e-04	0.0	9.18e-05
2483	169	1.33	14.30	-0.21	-1.23e-03	0.0	2.23e-04
2483	172	-1.85	-13.08	-0.24	9.41e-04	0.0	-2.07e-04
2483	187	-10.53	4.03	-0.22	-4.19e-04	0.0	9.59e-05
2483	201	1.29	14.67	-0.21	-1.26e-03	0.0	2.19e-04
2483	204	-1.81	-13.46	-0.24	9.69e-04	0.0	-2.03e-04
2483	219	-12.19	4.74	-0.22	-4.77e-04	0.0	1.15e-04
2483	233	1.54	17.35	-0.21	-1.47e-03	0.0	2.55e-04
2483	236	-2.07	-16.13	-0.25	1.18e-03	0.0	-2.40e-04
2483	264	-0.99	0.74	-0.25	-1.67e-04	0.0	1.74e-05
2483	276	-0.28	1.43	-0.25	-2.14e-04	0.0	7.70e-06
2483	280	-0.34	0.58	-0.28	-1.75e-04	0.0	1.07e-05
2483	298	-0.28	0.64	-0.24	-1.51e-04	0.0	8.27e-06
2483	305	-0.40	0.62	-0.23	-1.43e-04	0.0	9.46e-06
2483	307	-0.26	0.75	-0.23	-1.53e-04	0.0	7.53e-06
2483	310	-0.26	0.61	-0.23	-1.43e-04	0.0	7.76e-06
2484	44	-1.55	1.19	-0.36	-2.40e-04	0.0	2.66e-05
2484	68	-0.46	2.27	-0.36	-3.11e-04	0.0	1.23e-05
2484	76	-0.55	0.95	-0.40	-2.52e-04	0.0	1.66e-05
2484	123	-9.83	3.70	-0.23	-3.51e-04	0.0	8.69e-05
2484	137	1.16	13.27	-0.21	-1.00e-03	0.0	2.10e-04
2484	140	-1.76	-11.91	-0.25	7.15e-04	0.0	-1.93e-04
2484	155	-11.01	4.10	-0.23	-3.78e-04	0.0	9.74e-05
2484	169	1.34	14.93	-0.21	-1.12e-03	0.0	2.35e-04
2484	172	-1.93	-13.56	-0.25	8.28e-04	0.0	-2.18e-04
2484	187	-10.84	4.25	-0.23	-3.88e-04	0.0	1.02e-04
2484	201	1.30	15.31	-0.21	-1.14e-03	0.0	2.31e-04
2484	204	-1.89	-13.95	-0.25	8.53e-04	0.0	-2.14e-04
2484	219	-12.55	4.99	-0.23	-4.38e-04	0.0	1.22e-04
2484	233	1.56	18.10	-0.21	-1.33e-03	0.0	2.70e-04
2484	236	-2.16	-16.73	-0.25	1.04e-03	0.0	-2.53e-04
2484	264	-1.05	0.83	-0.26	-1.68e-04	0.0	1.82e-05
2484	276	-0.32	1.55	-0.25	-2.15e-04	0.0	8.72e-06
2484	280	-0.38	0.67	-0.29	-1.76e-04	0.0	1.16e-05
2484	298	-0.31	0.72	-0.24	-1.52e-04	0.0	9.06e-06
2484	305	-0.44	0.69	-0.23	-1.44e-04	0.0	1.02e-05

2484	307	-0.29	0.84	-0.23	-1.53e-04	0.0	8.31e-06
2484	310	-0.30	0.68	-0.23	-1.44e-04	0.0	8.49e-06
2485	28	-1.02	1.04	-0.37	-2.72e-04	0.0	2.08e-05
2485	44	-1.37	0.92	-0.33	-2.38e-04	0.0	2.37e-05
2485	68	-0.35	1.93	-0.32	-3.07e-04	0.0	9.15e-06
2485	123	-9.25	3.24	-0.21	-3.91e-04	0.0	7.82e-05
2485	137	1.15	12.04	-0.18	-1.17e-03	0.0	1.93e-04
2485	144	-1.83	-10.29	-0.24	8.20e-04	0.0	-1.05e-04
2485	155	-10.37	3.61	-0.21	-4.25e-04	0.0	8.77e-05
2485	169	1.31	13.55	-0.17	-1.30e-03	0.0	2.17e-04
2485	176	-2.02	-11.72	-0.25	9.46e-04	0.0	-1.19e-04
2485	187	-10.21	3.74	-0.21	-4.36e-04	0.0	9.17e-05
2485	201	1.28	13.90	-0.17	-1.33e-03	0.0	2.13e-04
2485	208	-1.98	-12.05	-0.25	9.74e-04	0.0	-1.17e-04
2485	219	-11.83	4.41	-0.21	-4.97e-04	0.0	1.10e-04
2485	233	1.52	16.44	-0.16	-1.56e-03	0.0	2.49e-04
2485	240	-2.26	-14.43	-0.26	1.19e-03	0.0	-1.39e-04
2485	256	-0.69	0.72	-0.26	-1.89e-04	0.0	1.43e-05
2485	264	-0.92	0.64	-0.23	-1.66e-04	0.0	1.63e-05
2485	276	-0.24	1.31	-0.23	-2.12e-04	0.0	6.52e-06
2485	298	-0.24	0.56	-0.22	-1.50e-04	0.0	7.39e-06
2485	305	-0.36	0.53	-0.21	-1.42e-04	0.0	8.61e-06
2485	307	-0.23	0.67	-0.21	-1.52e-04	0.0	6.66e-06
2485	310	-0.23	0.53	-0.21	-1.42e-04	0.0	6.95e-06
2486	28	-1.18	1.41	-0.54	-1.70e-04	-1.19e-04	3.91e-05
2486	44	-1.52	1.14	-0.51	-1.44e-04	-1.28e-04	4.22e-05
2486	68	-0.45	2.53	-0.45	-1.87e-04	-7.60e-05	3.03e-05
2486	116	-12.70	3.68	-0.47	8.32e-06	-3.56e-04	-3.45e-04
2486	139	-1.45	11.74	-0.15	-2.73e-04	-4.89e-05	1.54e-04
2486	144	-5.45	-8.89	-0.55	1.28e-04	-2.11e-04	-1.77e-04
2486	148	-14.24	4.01	-0.49	2.19e-05	-3.94e-04	-3.91e-04
2486	171	-1.57	13.16	-0.13	-2.97e-04	-4.82e-05	1.72e-04
2486	176	-6.10	-10.16	-0.58	1.57e-04	-2.31e-04	-2.02e-04
2486	180	-14.11	3.83	-0.49	2.49e-05	-3.92e-04	-3.92e-04
2486	203	-1.46	13.38	-0.12	-3.02e-04	-4.40e-05	1.77e-04
2486	208	-6.11	-10.41	-0.59	1.62e-04	-2.32e-04	-2.07e-04
2486	212	-16.47	4.24	-0.53	4.87e-05	-4.51e-04	-4.66e-04
2486	235	-1.60	15.70	-0.09	-3.41e-04	-4.09e-05	2.08e-04
2486	240	-7.11	-12.52	-0.64	2.11e-04	-2.65e-04	-2.48e-04
2486	256	-0.80	0.98	-0.38	-1.18e-04	-8.20e-05	2.70e-05
2486	264	-1.03	0.80	-0.36	-1.00e-04	-8.83e-05	2.91e-05
2486	276	-0.32	1.72	-0.32	-1.29e-04	-5.36e-05	2.11e-05
2486	298	-0.33	0.85	-0.32	-1.00e-04	-5.11e-05	1.57e-05
2486	305	-0.45	0.78	-0.32	-9.41e-05	-5.53e-05	1.73e-05
2486	307	-0.31	0.96	-0.31	-9.98e-05	-4.83e-05	1.57e-05
2486	310	-0.31	0.80	-0.31	-9.59e-05	-4.91e-05	1.48e-05
2487	28	-1.11	1.19	-0.37	-2.72e-04	0.0	2.18e-05
2487	44	-1.46	1.05	-0.33	-2.38e-04	0.0	2.47e-05
2487	68	-0.40	2.10	-0.32	-3.08e-04	0.0	9.64e-06
2487	123	-9.54	3.45	-0.22	-3.73e-04	0.0	8.31e-05
2487	137	1.15	12.65	-0.18	-1.09e-03	0.0	2.03e-04
2487	144	-1.91	-10.72	-0.25	7.51e-04	0.0	-1.11e-04
2487	155	-10.69	3.83	-0.22	-4.03e-04	0.0	9.32e-05
2487	169	1.32	14.23	-0.17	-1.22e-03	0.0	2.27e-04
2487	176	-2.11	-12.21	-0.25	8.69e-04	0.0	-1.26e-04
2487	187	-10.52	3.97	-0.22	-4.14e-04	0.0	9.74e-05
2487	201	1.29	14.60	-0.17	-1.25e-03	0.0	2.24e-04
2487	208	-2.07	-12.56	-0.25	8.94e-04	0.0	-1.23e-04
2487	219	-12.19	4.68	-0.22	-4.70e-04	0.0	1.16e-04
2487	233	1.54	17.27	-0.16	-1.46e-03	0.0	2.62e-04
2487	240	-2.35	-15.06	-0.26	1.09e-03	0.0	-1.46e-04
2487	256	-0.75	0.82	-0.26	-1.89e-04	0.0	1.50e-05
2487	264	-0.99	0.73	-0.24	-1.66e-04	0.0	1.69e-05
2487	276	-0.28	1.43	-0.23	-2.13e-04	0.0	6.87e-06
2487	298	-0.28	0.64	-0.22	-1.50e-04	0.0	7.92e-06
2487	305	-0.40	0.61	-0.21	-1.43e-04	0.0	9.13e-06
2487	307	-0.26	0.75	-0.21	-1.52e-04	0.0	7.12e-06
2487	310	-0.26	0.60	-0.21	-1.42e-04	0.0	7.43e-06
2488	28	-1.19	1.33	-0.37	-2.73e-04	0.0	2.37e-05
2488	44	-1.54	1.17	-0.33	-2.39e-04	0.0	2.64e-05
2488	68	-0.46	2.26	-0.32	-3.09e-04	0.0	1.13e-05
2488	123	-9.83	3.65	-0.22	-3.46e-04	0.0	8.82e-05
2488	137	1.16	13.21	-0.18	-9.92e-04	0.0	2.15e-04
2488	144	-1.99	-11.10	-0.25	6.56e-04	0.0	-1.18e-04
2488	155	-11.01	4.05	-0.22	-3.74e-04	0.0	9.89e-05

2488	169	1.34	14.86	-0.17	-1.10e-03	0.0	2.41e-04
2488	176	-2.20	-12.65	-0.25	7.61e-04	0.0	-1.34e-04
2488	187	-10.84	4.19	-0.22	-3.83e-04	0.0	1.03e-04
2488	201	1.30	15.24	-0.17	-1.13e-03	0.0	2.38e-04
2488	208	-2.16	-13.01	-0.26	7.84e-04	0.0	-1.32e-04
2488	219	-12.55	4.92	-0.22	-4.32e-04	0.0	1.24e-04
2488	233	1.56	18.01	-0.16	-1.32e-03	0.0	2.77e-04
2488	240	-2.45	-15.61	-0.26	9.60e-04	0.0	-1.56e-04
2488	256	-0.81	0.92	-0.26	-1.90e-04	0.0	1.63e-05
2488	264	-1.05	0.82	-0.24	-1.67e-04	0.0	1.81e-05
2488	276	-0.32	1.54	-0.23	-2.14e-04	0.0	8.01e-06
2488	298	-0.31	0.72	-0.22	-1.51e-04	0.0	8.92e-06
2488	305	-0.44	0.69	-0.21	-1.43e-04	0.0	1.01e-05
2488	307	-0.29	0.83	-0.21	-1.52e-04	0.0	8.07e-06
2488	310	-0.30	0.68	-0.21	-1.43e-04	0.0	8.36e-06
2489	28	-1.02	1.03	-0.33	-2.71e-04	0.0	2.10e-05
2489	44	-1.37	0.91	-0.30	-2.37e-04	0.0	2.40e-05
2489	68	-0.34	1.93	-0.28	-3.07e-04	0.0	8.88e-06
2489	123	-9.24	3.20	-0.20	-3.87e-04	0.0	7.99e-05
2489	137	1.14	11.98	-0.12	-1.16e-03	0.0	1.99e-04
2489	144	-1.82	-10.25	-0.26	8.16e-04	0.0	-1.10e-04
2489	155	-10.36	3.56	-0.21	-4.20e-04	0.0	8.97e-05
2489	169	1.31	13.49	-0.11	-1.29e-03	0.0	2.23e-04
2489	176	-2.02	-11.66	-0.26	9.41e-04	0.0	-1.25e-04
2489	187	-10.20	3.69	-0.20	-4.31e-04	0.0	9.37e-05
2489	201	1.27	13.84	-0.11	-1.32e-03	0.0	2.20e-04
2489	208	-1.98	-11.99	-0.27	9.69e-04	0.0	-1.23e-04
2489	219	-11.83	4.35	-0.21	-4.91e-04	0.0	1.12e-04
2489	233	1.52	16.37	-0.10	-1.55e-03	0.0	2.57e-04
2489	240	-2.26	-14.37	-0.28	1.18e-03	0.0	-1.46e-04
2489	256	-0.69	0.71	-0.23	-1.88e-04	0.0	1.44e-05
2489	264	-0.92	0.63	-0.21	-1.65e-04	0.0	1.64e-05
2489	276	-0.24	1.31	-0.20	-2.12e-04	0.0	6.35e-06
2489	298	-0.24	0.55	-0.20	-1.49e-04	0.0	7.56e-06
2489	305	-0.36	0.53	-0.19	-1.42e-04	0.0	8.76e-06
2489	307	-0.22	0.67	-0.19	-1.51e-04	0.0	6.75e-06
2489	310	-0.23	0.52	-0.19	-1.42e-04	0.0	7.11e-06
2490	28	-1.11	1.17	-0.33	-2.71e-04	0.0	2.24e-05
2490	44	-1.46	1.03	-0.30	-2.36e-04	0.0	2.52e-05
2490	68	-0.40	2.09	-0.28	-3.07e-04	0.0	9.02e-06
2490	123	-9.54	3.41	-0.21	-3.68e-04	0.0	8.49e-05
2490	137	1.15	12.59	-0.12	-1.08e-03	0.0	2.10e-04
2490	144	-1.90	-10.67	-0.26	7.45e-04	0.0	-1.17e-04
2490	155	-10.69	3.78	-0.21	-3.98e-04	0.0	9.52e-05
2490	169	1.32	14.17	-0.11	-1.21e-03	0.0	2.35e-04
2490	176	-2.11	-12.16	-0.27	8.61e-04	0.0	-1.33e-04
2490	187	-10.52	3.92	-0.21	-4.08e-04	0.0	9.96e-05
2490	201	1.29	14.53	-0.11	-1.24e-03	0.0	2.32e-04
2490	208	-2.07	-12.50	-0.27	8.86e-04	0.0	-1.31e-04
2490	219	-12.19	4.61	-0.21	-4.63e-04	0.0	1.19e-04
2490	233	1.54	17.18	-0.10	-1.44e-03	0.0	2.71e-04
2490	240	-2.35	-14.99	-0.29	1.08e-03	0.0	-1.55e-04
2490	256	-0.75	0.81	-0.24	-1.88e-04	0.0	1.54e-05
2490	264	-0.98	0.72	-0.22	-1.65e-04	0.0	1.73e-05
2490	276	-0.28	1.42	-0.20	-2.12e-04	0.0	6.48e-06
2490	298	-0.28	0.63	-0.20	-1.49e-04	0.0	8.25e-06
2490	305	-0.40	0.61	-0.19	-1.42e-04	0.0	9.44e-06
2490	307	-0.26	0.75	-0.19	-1.51e-04	0.0	7.28e-06
2490	310	-0.26	0.60	-0.19	-1.42e-04	0.0	7.74e-06
2491	44	-1.58	1.12	-0.65	-2.04e-04	0.0	5.35e-05
2491	52	-0.57	2.18	-0.84	-2.76e-04	0.0	4.32e-05
2491	68	-0.47	2.46	-0.77	-2.69e-04	0.0	4.35e-05
2491	116	-10.74	3.13	0.17	-1.54e-04	0.0	-3.30e-04
2491	121	10.02	3.13	-1.14	-1.79e-04	0.0	1.07e-04
2491	139	-1.87	11.93	-0.49	-3.71e-04	0.0	2.39e-04
2491	148	-12.03	3.39	0.25	-1.56e-04	0.0	-3.75e-04
2491	153	11.31	3.43	-1.22	-1.86e-04	0.0	1.19e-04
2491	171	-2.05	13.38	-0.50	-4.03e-04	0.0	2.68e-04
2491	180	-11.88	3.21	0.24	-1.51e-04	0.0	-3.79e-04
2491	185	11.15	3.49	-1.21	-1.91e-04	0.0	1.25e-04
2491	203	-1.98	13.62	-0.51	-4.08e-04	0.0	2.76e-04
2491	212	-13.82	3.52	0.36	-1.52e-04	0.0	-4.55e-04
2491	217	13.03	4.03	-1.34	-2.05e-04	0.0	1.49e-04
2491	235	-2.24	16.01	-0.52	-4.60e-04	0.0	3.26e-04
2491	264	-1.07	0.79	-0.46	-1.43e-04	0.0	3.73e-05

2491	268	-0.40	1.49	-0.59	-1.91e-04	0.0	3.05e-05
2491	276	-0.33	1.68	-0.54	-1.86e-04	0.0	3.07e-05
2491	298	-0.34	0.82	-0.48	-1.33e-04	0.0	2.05e-05
2491	305	-0.47	0.75	-0.45	-1.26e-04	0.0	2.22e-05
2491	307	-0.32	0.93	-0.47	-1.34e-04	0.0	2.09e-05
2491	310	-0.32	0.77	-0.46	-1.27e-04	0.0	2.00e-05
2492	28	-1.14	1.28	-0.61	0.0	-1.26e-04	3.63e-05
2492	44	-1.47	1.02	-0.56	0.0	-1.35e-04	3.98e-05
2492	68	-0.43	2.38	-0.52	0.0	-7.72e-05	2.74e-05
2492	116	-12.35	3.55	-0.46	0.0	-4.17e-04	-3.01e-04
2492	139	-1.50	11.43	-0.28	0.0	-3.93e-05	1.48e-04
2492	144	-5.25	-8.75	-0.48	0.0	-2.53e-04	-1.53e-04
2492	148	-13.85	3.88	-0.47	0.0	-4.63e-04	-3.41e-04
2492	171	-1.64	12.82	-0.27	0.0	-3.68e-05	1.66e-04
2492	176	-5.88	-9.99	-0.49	0.0	-2.79e-04	-1.75e-04
2492	180	-13.72	3.69	-0.47	0.0	-4.60e-04	-3.41e-04
2492	203	-1.53	13.03	-0.26	0.0	-3.16e-05	1.70e-04
2492	208	-5.88	-10.23	-0.50	0.0	-2.81e-04	-1.79e-04
2492	212	-16.02	4.10	-0.49	0.0	-5.31e-04	-4.07e-04
2492	235	-1.69	15.31	-0.25	0.0	-2.53e-05	2.00e-04
2492	240	-6.85	-12.30	-0.52	0.0	-3.22e-04	-2.15e-04
2492	256	-0.77	0.89	-0.43	0.0	-8.68e-05	2.50e-05
2492	264	-1.00	0.72	-0.40	0.0	-9.31e-05	2.74e-05
2492	276	-0.30	1.62	-0.37	0.0	-5.43e-05	1.91e-05
2492	298	-0.31	0.78	-0.36	0.0	-5.43e-05	1.41e-05
2492	305	-0.43	0.71	-0.35	0.0	-5.86e-05	1.57e-05
2492	307	-0.29	0.89	-0.35	0.0	-5.09e-05	1.40e-05
2492	310	-0.30	0.73	-0.35	0.0	-5.18e-05	1.32e-05
2493	44	-1.73	1.22	-0.65	-1.97e-04	0.0	3.53e-05
2493	52	-0.70	2.31	-0.84	-2.69e-04	0.0	2.72e-05
2493	68	-0.60	2.59	-0.77	-2.62e-04	0.0	2.67e-05
2493	116	-11.05	3.18	0.17	-1.44e-04	0.0	-3.64e-04
2493	121	10.18	3.21	-1.14	-1.70e-04	0.0	9.46e-05
2493	139	-1.98	12.06	-0.49	-3.35e-04	0.0	1.71e-04
2493	148	-12.37	3.45	0.25	-1.46e-04	0.0	-4.12e-04
2493	153	11.50	3.52	-1.22	-1.77e-04	0.0	1.06e-04
2493	171	-2.17	13.52	-0.49	-3.62e-04	0.0	1.93e-04
2493	180	-12.21	3.26	0.24	-1.40e-04	0.0	-4.14e-04
2493	185	11.33	3.58	-1.21	-1.82e-04	0.0	1.12e-04
2493	203	-2.10	13.76	-0.50	-3.67e-04	0.0	1.98e-04
2493	212	-14.21	3.57	0.36	-1.40e-04	0.0	-4.93e-04
2493	217	13.26	4.13	-1.34	-1.95e-04	0.0	1.35e-04
2493	235	-2.36	16.17	-0.52	-4.12e-04	0.0	2.34e-04
2493	264	-1.17	0.85	-0.46	-1.38e-04	0.0	2.42e-05
2493	268	-0.49	1.58	-0.59	-1.86e-04	0.0	1.88e-05
2493	276	-0.42	1.77	-0.54	-1.81e-04	0.0	1.85e-05
2493	298	-0.41	0.88	-0.48	-1.29e-04	0.0	1.24e-05
2493	305	-0.54	0.81	-0.45	-1.22e-04	0.0	1.38e-05
2493	307	-0.38	0.99	-0.47	-1.31e-04	0.0	1.26e-05
2493	310	-0.39	0.83	-0.46	-1.23e-04	0.0	1.16e-05
2494	28	-0.94	0.71	-0.76	-2.33e-04	0.0	9.72e-05
2494	44	-1.27	0.56	-0.72	-2.06e-04	0.0	8.44e-05
2494	68	-0.31	1.71	-0.64	-2.68e-04	0.0	7.87e-05
2494	116	-9.33	1.93	-1.17	-2.46e-04	0.0	-2.73e-04
2494	139	-1.58	10.47	-0.70	-1.00e-03	0.0	1.03e-04
2494	148	-10.45	2.10	-1.27	-2.59e-04	0.0	-3.13e-04
2494	171	-1.74	11.78	-0.74	-1.11e-03	0.0	1.11e-04
2494	180	-10.32	1.94	-1.26	-2.46e-04	0.0	-3.11e-04
2494	203	-1.68	12.01	-0.74	-1.13e-03	0.0	1.10e-04
2494	212	-12.02	2.11	-1.40	-2.60e-04	0.0	-3.76e-04
2494	235	-1.91	14.18	-0.79	-1.32e-03	0.0	1.21e-04
2494	256	-0.64	0.49	-0.53	-1.62e-04	0.0	6.63e-05
2494	264	-0.86	0.39	-0.50	-1.45e-04	0.0	5.78e-05
2494	276	-0.21	1.16	-0.45	-1.86e-04	0.0	5.40e-05
2494	298	-0.21	0.43	-0.41	-1.29e-04	0.0	5.10e-05
2494	305	-0.33	0.39	-0.41	-1.22e-04	0.0	4.88e-05
2494	307	-0.20	0.54	-0.40	-1.31e-04	0.0	4.80e-05
2494	310	-0.20	0.40	-0.39	-1.23e-04	0.0	4.67e-05
2495	44	-1.69	1.35	-0.29	0.0	-1.51e-04	5.28e-05
2495	68	-0.56	2.56	-0.20	0.0	-1.06e-04	5.22e-05
2495	123	-10.36	3.72	-0.42	0.0	-5.19e-04	3.44e-04
2495	137	1.18	13.77	0.30	0.0	6.08e-06	2.25e-04
2495	144	-2.14	-11.35	-0.63	0.0	-1.40e-04	-3.97e-05
2495	155	-11.60	4.11	-0.45	0.0	-5.76e-04	3.84e-04
2495	169	1.37	15.47	0.36	0.0	1.49e-05	2.49e-04

2495	176	-2.36	-12.95	-0.69	0.0	-1.50e-04	-4.88e-05
2495	187	-11.42	4.24	-0.44	0.0	-5.66e-04	3.81e-04
2495	201	1.33	15.86	0.38	0.0	1.38e-05	2.45e-04
2495	208	-2.32	-13.32	-0.70	0.0	-1.49e-04	-4.77e-05
2495	219	-13.22	4.96	-0.48	0.0	-6.47e-04	4.42e-04
2495	233	1.61	18.71	0.48	0.0	2.73e-05	2.81e-04
2495	240	-2.63	-16.00	-0.80	0.0	-1.62e-04	-6.22e-05
2495	264	-1.15	0.94	-0.21	0.0	-1.04e-04	3.70e-05
2495	276	-0.39	1.75	-0.15	0.0	-7.45e-05	3.66e-05
2495	305	-0.51	0.81	-0.16	0.0	-7.13e-05	3.13e-05
2495	307	-0.36	0.97	-0.15	0.0	-6.53e-05	3.12e-05
2495	310	-0.36	0.80	-0.16	0.0	-6.53e-05	3.11e-05
2496	28	-1.60	1.65	-0.72	0.0	-2.24e-04	8.66e-05
2496	44	-1.95	1.43	-0.65	0.0	-2.17e-04	7.91e-05
2496	68	-0.77	2.68	-0.59	0.0	-1.68e-04	6.56e-05
2496	123	-10.88	3.83	-0.38	0.0	-1.70e-04	3.06e-05
2496	137	0.87	14.08	0.02	0.0	-9.52e-05	2.92e-04
2496	140	-1.84	-12.37	-0.82	0.0	-1.12e-04	-2.09e-04
2496	155	-12.17	4.23	-0.37	0.0	-1.78e-04	2.99e-05
2496	169	1.04	15.82	0.08	0.0	-9.43e-05	3.23e-04
2496	172	-2.01	-14.10	-0.88	0.0	-1.13e-04	-2.41e-04
2496	187	-11.98	4.37	-0.37	0.0	-1.77e-04	3.53e-05
2496	201	1.03	16.21	0.09	0.0	-9.51e-05	3.22e-04
2496	204	-2.00	-14.49	-0.89	0.0	-1.12e-04	-2.39e-04
2496	219	-13.84	5.10	-0.36	0.0	-1.89e-04	3.88e-05
2496	233	1.29	19.12	0.18	0.0	-9.41e-05	3.71e-04
2496	236	-2.26	-17.40	-0.98	0.0	-1.13e-04	-2.88e-04
2496	256	-1.09	1.14	-0.51	0.0	-1.55e-04	5.97e-05
2496	264	-1.33	1.00	-0.46	0.0	-1.50e-04	5.46e-05
2496	276	-0.54	1.83	-0.42	0.0	-1.17e-04	4.57e-05
2496	298	-0.51	0.91	-0.42	0.0	-1.10e-04	4.41e-05
2496	305	-0.64	0.86	-0.40	0.0	-1.11e-04	4.31e-05
2496	307	-0.48	1.03	-0.39	0.0	-1.04e-04	4.13e-05
2496	310	-0.49	0.86	-0.40	0.0	-1.04e-04	4.12e-05
2497	44	-2.02	1.78	-0.43	0.0	1.58e-04	3.40e-04
2497	52	-0.80	2.70	-0.54	0.0	-1.60e-04	6.17e-05
2497	68	-0.68	2.95	-0.51	0.0	-1.39e-04	5.33e-05
2497	123	-10.78	4.66	-0.22	0.0	-1.70e-04	2.48e-04
2497	129	0.63	15.60	-0.82	0.0	-7.86e-05	4.40e-04
2497	155	-12.06	5.15	-0.21	0.0	-1.80e-04	2.75e-04
2497	161	0.76	17.55	-0.89	0.0	-7.77e-05	4.92e-04
2497	187	-11.87	5.32	-0.22	0.0	-1.79e-04	2.74e-04
2497	193	0.75	18.18	-0.91	0.0	-7.78e-05	4.97e-04
2497	219	-13.73	6.22	-0.22	0.0	-1.94e-04	3.18e-04
2497	225	0.95	21.71	-1.03	0.0	-7.71e-05	5.87e-04
2497	264	-1.37	1.24	-0.31	0.0	1.01e-04	2.28e-04
2497	268	-0.55	1.85	-0.38	0.0	-1.11e-04	4.30e-05
2497	276	-0.48	2.02	-0.36	0.0	-9.73e-05	3.73e-05
2497	298	-0.46	1.07	-0.31	0.0	-9.04e-05	3.42e-05
2497	305	-0.61	1.03	-0.30	0.0	-4.62e-05	7.05e-05
2497	307	-0.43	1.18	-0.31	0.0	-8.58e-05	3.24e-05
2497	310	-0.43	1.01	-0.30	0.0	-8.59e-05	3.23e-05
2498	44	-1.18	0.49	-1.93	-4.10e-04	0.0	1.94e-04
2498	52	-0.15	1.14	-2.20	-5.28e-04	0.0	2.06e-04
2498	68	-0.11	1.46	-1.96	-5.03e-04	0.0	1.71e-04
2498	123	-8.72	2.59	-1.67	-5.63e-04	0.0	2.32e-04
2498	137	0.82	10.51	-1.79	-1.33e-03	0.0	9.73e-05
2498	139	-2.80	9.06	-2.00	-1.18e-03	0.0	-2.96e-05
2498	155	-9.79	2.90	-1.73	-6.04e-04	0.0	2.47e-04
2498	169	0.94	11.85	-1.88	-1.47e-03	0.0	9.56e-05
2498	171	-3.13	10.22	-2.10	-1.30e-03	0.0	-4.69e-05
2498	187	-9.64	3.01	-1.74	-6.16e-04	0.0	2.47e-04
2498	201	0.94	12.16	-1.90	-1.50e-03	0.0	9.94e-05
2498	203	-3.05	10.50	-2.12	-1.33e-03	0.0	-4.03e-05
2498	219	-11.19	3.58	-1.84	-6.90e-04	0.0	2.72e-04
2498	233	1.12	14.41	-2.04	-1.74e-03	0.0	9.82e-05
2498	235	-3.52	12.44	-2.30	-1.53e-03	0.0	-6.51e-05
2498	264	-0.79	0.34	-1.36	-2.86e-04	0.0	1.35e-04
2498	268	-0.10	0.78	-1.53	-3.65e-04	0.0	1.43e-04
2498	276	-0.08	0.98	-1.38	-3.48e-04	0.0	1.20e-04
2498	298	-0.10	0.31	-1.22	-2.62e-04	0.0	1.20e-04
2498	305	-0.23	0.29	-1.17	-2.49e-04	0.0	1.15e-04
2498	307	-0.09	0.42	-1.17	-2.61e-04	0.0	1.11e-04
2498	310	-0.09	0.29	-1.16	-2.47e-04	0.0	1.13e-04
2499	44	-1.09	0.31	-1.92	-3.79e-04	0.0	1.14e-05

2499	52	-0.05	0.90	-2.20	-4.92e-04	0.0	0.0
2499	68	-0.03	1.22	-1.96	-4.73e-04	0.0	-3.08e-06
2499	123	-8.46	2.36	-1.67	-5.45e-04	0.0	7.65e-05
2499	137	2.59	9.86	-1.79	-1.32e-03	0.0	2.17e-04
2499	139	-0.95	8.49	-1.99	-1.17e-03	0.0	8.63e-05
2499	155	-9.51	2.65	-1.74	-5.87e-04	0.0	8.65e-05
2499	169	2.91	11.13	-1.87	-1.46e-03	0.0	2.44e-04
2499	171	-1.06	9.59	-2.10	-1.29e-03	0.0	9.76e-05
2499	187	-9.35	2.76	-1.74	-5.98e-04	0.0	9.11e-05
2499	201	2.83	11.42	-1.89	-1.49e-03	0.0	2.45e-04
2499	203	-1.06	9.85	-2.12	-1.32e-03	0.0	1.00e-04
2499	219	-10.87	3.30	-1.84	-6.73e-04	0.0	1.10e-04
2499	233	3.29	13.55	-2.03	-1.73e-03	0.0	2.89e-04
2499	235	-1.24	11.69	-2.30	-1.53e-03	0.0	1.19e-04
2499	264	-0.73	0.21	-1.35	-2.64e-04	0.0	7.98e-06
2499	268	-0.04	0.61	-1.53	-3.40e-04	0.0	0.0
2499	276	-0.02	0.82	-1.37	-3.27e-04	0.0	-1.68e-06
2499	298	-0.05	0.19	-1.22	-2.42e-04	0.0	1.88e-06
2499	305	-0.18	0.18	-1.17	-2.29e-04	0.0	2.93e-06
2499	307	-0.04	0.30	-1.17	-2.42e-04	0.0	1.00e-06
2499	310	-0.05	0.18	-1.16	-2.28e-04	0.0	2.05e-06
2500	28	-0.96	0.84	-0.45	0.0	-1.54e-04	1.16e-05
2500	44	-1.31	0.73	-0.41	0.0	-1.93e-04	1.61e-05
2500	68	-0.29	1.74	-0.40	0.0	-6.32e-05	0.0
2500	123	-8.97	3.44	-0.41	0.0	-8.92e-04	6.29e-05
2500	137	1.02	11.14	-0.37	0.0	2.71e-04	1.85e-04
2500	139	-3.24	9.60	-0.45	0.0	-1.70e-04	1.77e-05
2500	155	-10.06	3.84	-0.43	0.0	-9.98e-04	7.11e-05
2500	169	1.17	12.54	-0.39	0.0	3.09e-04	2.08e-04
2500	171	-3.61	10.81	-0.47	0.0	-1.85e-04	2.00e-05
2500	187	-9.90	3.96	-0.43	0.0	-9.80e-04	7.48e-05
2500	201	1.15	12.86	-0.40	0.0	3.03e-04	2.05e-04
2500	203	-3.55	11.10	-0.48	0.0	-1.82e-04	1.94e-05
2500	219	-11.47	4.67	-0.46	0.0	-1.13e-03	9.03e-05
2500	233	1.38	15.21	-0.42	0.0	3.61e-04	2.40e-04
2500	235	-4.10	13.13	-0.52	0.0	-2.05e-04	2.28e-05
2500	256	-0.65	0.58	-0.32	0.0	-1.05e-04	7.84e-06
2500	264	-0.89	0.51	-0.29	0.0	-1.31e-04	1.08e-05
2500	276	-0.21	1.18	-0.29	0.0	-4.44e-05	0.0
2500	298	-0.21	0.46	-0.26	0.0	-4.54e-05	2.01e-06
2500	305	-0.33	0.44	-0.25	0.0	-5.97e-05	3.60e-06
2500	307	-0.19	0.57	-0.25	0.0	-4.23e-05	1.59e-06
2500	310	-0.20	0.43	-0.25	0.0	-4.30e-05	1.83e-06
2501	28	-0.97	0.84	-0.49	0.0	-1.57e-04	1.16e-05
2501	44	-1.32	0.73	-0.45	0.0	-1.98e-04	1.60e-05
2501	68	-0.29	1.74	-0.41	0.0	-6.23e-05	0.0
2501	123	-8.98	3.44	-0.31	0.0	-9.22e-04	6.31e-05
2501	137	0.99	11.14	-0.07	0.0	2.78e-04	1.85e-04
2501	144	-1.81	-9.41	-0.49	0.0	-3.92e-04	-1.02e-04
2501	155	-10.07	3.84	-0.32	0.0	-1.03e-03	7.13e-05
2501	169	1.14	12.54	-0.04	0.0	3.18e-04	2.08e-04
2501	176	-2.01	-10.71	-0.51	0.0	-4.35e-04	-1.16e-04
2501	187	-9.91	3.96	-0.32	0.0	-1.01e-03	7.49e-05
2501	201	1.12	12.86	-0.04	0.0	3.12e-04	2.05e-04
2501	208	-1.99	-11.01	-0.52	0.0	-4.29e-04	-1.13e-04
2501	219	-11.49	4.67	-0.32	0.0	-1.17e-03	9.05e-05
2501	233	1.34	15.21	8.35e-03	0.0	3.71e-04	2.39e-04
2501	240	-2.28	-13.18	-0.56	0.0	-4.92e-04	-1.33e-04
2501	256	-0.66	0.58	-0.35	0.0	-1.07e-04	7.82e-06
2501	264	-0.89	0.51	-0.32	0.0	-1.34e-04	1.08e-05
2501	276	-0.21	1.18	-0.29	0.0	-4.39e-05	0.0
2501	298	-0.21	0.46	-0.29	0.0	-4.57e-05	2.01e-06
2501	305	-0.33	0.44	-0.28	0.0	-6.05e-05	3.60e-06
2501	307	-0.20	0.57	-0.27	0.0	-4.25e-05	1.59e-06
2501	310	-0.20	0.43	-0.28	0.0	-4.33e-05	1.83e-06
2502	28	-1.19	1.32	-0.34	-2.71e-04	0.0	2.44e-05
2502	44	-1.54	1.16	-0.30	-2.36e-04	0.0	2.70e-05
2502	68	-0.46	2.25	-0.29	-3.07e-04	0.0	1.04e-05
2502	123	-9.83	3.60	-0.21	-3.41e-04	0.0	9.02e-05
2502	137	1.16	13.15	-0.12	-9.81e-04	0.0	2.23e-04
2502	144	-1.99	-11.05	-0.26	6.48e-04	0.0	-1.26e-04
2502	155	-11.01	3.99	-0.21	-3.68e-04	0.0	1.01e-04
2502	169	1.34	14.79	-0.11	-1.09e-03	0.0	2.50e-04
2502	176	-2.20	-12.59	-0.27	7.52e-04	0.0	-1.43e-04
2502	187	-10.84	4.13	-0.21	-3.77e-04	0.0	1.06e-04

2502	201	1.30	15.17	-0.11	-1.12e-03	0.0	2.48e-04
2502	208	-2.16	-12.95	-0.28	7.74e-04	0.0	-1.42e-04
2502	219	-12.55	4.85	-0.21	-4.26e-04	0.0	1.26e-04
2502	233	1.56	17.92	-0.10	-1.30e-03	0.0	2.90e-04
2502	240	-2.45	-15.53	-0.29	9.48e-04	0.0	-1.69e-04
2502	256	-0.81	0.91	-0.24	-1.88e-04	0.0	1.68e-05
2502	264	-1.04	0.81	-0.22	-1.65e-04	0.0	1.85e-05
2502	276	-0.32	1.54	-0.21	-2.12e-04	0.0	7.47e-06
2502	298	-0.31	0.71	-0.20	-1.49e-04	0.0	9.29e-06
2502	305	-0.44	0.68	-0.19	-1.42e-04	0.0	1.05e-05
2502	307	-0.29	0.83	-0.19	-1.51e-04	0.0	8.25e-06
2502	310	-0.30	0.67	-0.19	-1.42e-04	0.0	8.71e-06
2503	28	-1.02	1.02	-0.29	-2.69e-04	0.0	2.35e-05
2503	44	-1.37	0.89	-0.27	-2.35e-04	0.0	2.63e-05
2503	68	-0.34	1.92	-0.24	-3.07e-04	0.0	1.00e-05
2503	123	-9.24	3.15	-0.20	-3.81e-04	0.0	8.23e-05
2503	137	1.14	11.93	-0.05	-1.15e-03	0.0	2.06e-04
2503	144	-1.82	-10.20	-0.29	8.07e-04	0.0	-1.16e-04
2503	155	-10.36	3.50	-0.20	-4.13e-04	0.0	9.22e-05
2503	169	1.31	13.43	-0.03	-1.28e-03	0.0	2.31e-04
2503	176	-2.02	-11.61	-0.30	9.31e-04	0.0	-1.31e-04
2503	187	-10.20	3.63	-0.20	-4.24e-04	0.0	9.64e-05
2503	201	1.27	13.77	-0.03	-1.31e-03	0.0	2.29e-04
2503	208	-1.98	-11.93	-0.31	9.59e-04	0.0	-1.30e-04
2503	219	-11.82	4.28	-0.20	-4.82e-04	0.0	1.15e-04
2503	233	1.52	16.29	-1.83e-03	-1.53e-03	0.0	2.67e-04
2503	240	-2.26	-14.30	-0.33	1.17e-03	0.0	-1.54e-04
2503	256	-0.69	0.70	-0.21	-1.87e-04	0.0	1.62e-05
2503	264	-0.92	0.62	-0.19	-1.64e-04	0.0	1.80e-05
2503	276	-0.24	1.31	-0.17	-2.12e-04	0.0	7.19e-06
2503	298	-0.24	0.55	-0.17	-1.49e-04	0.0	8.84e-06
2503	305	-0.36	0.53	-0.17	-1.41e-04	0.0	1.00e-05
2503	307	-0.22	0.66	-0.16	-1.51e-04	0.0	7.86e-06
2503	310	-0.23	0.52	-0.17	-1.41e-04	0.0	8.33e-06
2504	28	-1.11	1.16	-0.29	-2.69e-04	0.0	2.55e-05
2504	44	-1.46	1.02	-0.27	-2.35e-04	0.0	2.81e-05
2504	68	-0.40	2.09	-0.24	-3.06e-04	0.0	9.95e-06
2504	123	-9.54	3.36	-0.20	-3.62e-04	0.0	8.81e-05
2504	137	1.15	12.53	-0.04	-1.07e-03	0.0	2.23e-04
2504	144	-1.90	-10.62	-0.29	7.35e-04	0.0	-1.29e-04
2504	155	-10.69	3.73	-0.21	-3.91e-04	0.0	9.86e-05
2504	169	1.32	14.10	-0.03	-1.19e-03	0.0	2.50e-04
2504	176	-2.11	-12.09	-0.31	8.50e-04	0.0	-1.47e-04
2504	187	-10.52	3.86	-0.20	-4.01e-04	0.0	1.03e-04
2504	201	1.29	14.46	-0.02	-1.22e-03	0.0	2.48e-04
2504	208	-2.07	-12.44	-0.31	8.75e-04	0.0	-1.46e-04
2504	219	-12.19	4.54	-0.21	-4.55e-04	0.0	1.23e-04
2504	233	1.54	17.09	2.29e-03	-1.43e-03	0.0	2.91e-04
2504	240	-2.35	-14.91	-0.34	1.07e-03	0.0	-1.74e-04
2504	256	-0.75	0.80	-0.21	-1.87e-04	0.0	1.75e-05
2504	264	-0.98	0.71	-0.19	-1.64e-04	0.0	1.93e-05
2504	276	-0.28	1.42	-0.17	-2.12e-04	0.0	7.18e-06
2504	298	-0.28	0.63	-0.17	-1.48e-04	0.0	9.85e-06
2504	305	-0.40	0.60	-0.17	-1.41e-04	0.0	1.10e-05
2504	307	-0.26	0.74	-0.17	-1.50e-04	0.0	8.60e-06
2504	310	-0.26	0.59	-0.17	-1.41e-04	0.0	9.26e-06
2505	28	-1.19	1.30	-0.29	-2.68e-04	0.0	2.62e-05
2505	44	-1.54	1.14	-0.27	-2.34e-04	0.0	2.87e-05
2505	68	-0.46	2.25	-0.24	-3.05e-04	0.0	9.51e-06
2505	123	-9.83	3.55	-0.20	-3.36e-04	0.0	9.25e-05
2505	137	1.16	13.08	-0.04	-9.68e-04	0.0	2.36e-04
2505	144	-1.99	-10.99	-0.30	6.38e-04	0.0	-1.39e-04
2505	155	-11.01	3.93	-0.21	-3.62e-04	0.0	1.04e-04
2505	169	1.34	14.71	-0.03	-1.08e-03	0.0	2.65e-04
2505	176	-2.20	-12.52	-0.31	7.41e-04	0.0	-1.59e-04
2505	187	-10.84	4.07	-0.21	-3.71e-04	0.0	1.08e-04
2505	201	1.30	15.08	-0.02	-1.10e-03	0.0	2.63e-04
2505	208	-2.16	-12.88	-0.32	7.63e-04	0.0	-1.58e-04
2505	219	-12.55	4.78	-0.21	-4.18e-04	0.0	1.29e-04
2505	233	1.56	17.82	5.65e-03	-1.28e-03	0.0	3.08e-04
2505	240	-2.45	-15.45	-0.35	9.34e-04	0.0	-1.88e-04
2505	256	-0.81	0.90	-0.21	-1.87e-04	0.0	1.80e-05
2505	264	-1.04	0.80	-0.19	-1.64e-04	0.0	1.97e-05
2505	276	-0.32	1.53	-0.17	-2.11e-04	0.0	6.91e-06
2505	298	-0.31	0.71	-0.18	-1.48e-04	0.0	1.02e-05

2505	305	-0.44	0.68	-0.17	-1.41e-04	0.0	1.14e-05
2505	307	-0.29	0.82	-0.17	-1.50e-04	0.0	8.80e-06
2505	310	-0.30	0.67	-0.17	-1.41e-04	0.0	9.57e-06
2506	28	-1.02	1.00	-0.25	-2.66e-04	0.0	3.21e-05
2506	44	-1.36	0.88	-0.24	-2.32e-04	0.0	3.42e-05
2506	68	-0.34	1.92	-0.19	-3.06e-04	0.0	1.66e-05
2506	123	-9.24	3.11	-0.21	-3.72e-04	0.0	8.65e-05
2506	137	3.12	11.87	0.06	-1.13e-03	0.0	2.27e-04
2506	144	-3.80	-10.14	-0.35	7.88e-04	0.0	-1.32e-04
2506	155	-10.36	3.45	-0.21	-4.02e-04	0.0	9.64e-05
2506	169	3.54	13.36	0.09	-1.25e-03	0.0	2.54e-04
2506	176	-4.25	-11.55	-0.38	9.09e-04	0.0	-1.51e-04
2506	187	-10.20	3.58	-0.21	-4.13e-04	0.0	1.01e-04
2506	201	3.48	13.70	0.10	-1.28e-03	0.0	2.53e-04
2506	208	-4.19	-11.87	-0.38	9.36e-04	0.0	-1.51e-04
2506	219	-11.82	4.22	-0.22	-4.69e-04	0.0	1.20e-04
2506	233	4.11	16.20	0.14	-1.50e-03	0.0	2.96e-04
2506	240	-4.85	-14.22	-0.43	1.14e-03	0.0	-1.81e-04
2506	256	-0.69	0.69	-0.18	-1.85e-04	0.0	2.21e-05
2506	264	-0.92	0.61	-0.17	-1.62e-04	0.0	2.35e-05
2506	276	-0.24	1.30	-0.14	-2.12e-04	0.0	1.18e-05
2506	298	-0.24	0.55	-0.15	-1.47e-04	0.0	1.33e-05
2506	305	-0.36	0.52	-0.15	-1.39e-04	0.0	1.43e-05
2506	307	-0.22	0.66	-0.14	-1.49e-04	0.0	1.20e-05
2506	310	-0.23	0.51	-0.14	-1.39e-04	0.0	1.25e-05
2507	28	-1.11	1.15	-0.25	-2.67e-04	0.0	3.34e-05
2507	44	-1.46	1.00	-0.24	-2.33e-04	0.0	3.55e-05
2507	68	-0.40	2.08	-0.19	-3.06e-04	0.0	1.50e-05
2507	123	-9.54	3.31	-0.21	-3.55e-04	0.0	1.47e-04
2507	137	1.15	12.46	0.07	-1.06e-03	0.0	2.55e-04
2507	144	-1.90	-10.55	-0.36	7.21e-04	0.0	-1.43e-04
2507	155	-10.69	3.67	-0.22	-3.84e-04	0.0	1.64e-04
2507	169	1.32	14.02	0.09	-1.18e-03	0.0	2.86e-04
2507	176	-2.11	-12.02	-0.39	8.34e-04	0.0	-1.64e-04
2507	187	-10.52	3.80	-0.21	-3.93e-04	0.0	1.66e-04
2507	201	1.28	14.37	0.10	-1.20e-03	0.0	2.86e-04
2507	208	-2.07	-12.36	-0.39	8.59e-04	0.0	-1.66e-04
2507	219	-12.19	4.47	-0.22	-4.46e-04	0.0	1.96e-04
2507	233	1.54	16.99	0.15	-1.40e-03	0.0	3.36e-04
2507	240	-2.35	-14.82	-0.44	1.05e-03	0.0	-1.99e-04
2507	256	-0.75	0.79	-0.18	-1.86e-04	0.0	2.30e-05
2507	264	-0.98	0.70	-0.17	-1.63e-04	0.0	2.44e-05
2507	276	-0.28	1.42	-0.14	-2.12e-04	0.0	1.07e-05
2507	298	-0.28	0.62	-0.15	-1.48e-04	0.0	1.40e-05
2507	305	-0.40	0.59	-0.15	-1.40e-04	0.0	1.50e-05
2507	307	-0.26	0.74	-0.14	-1.50e-04	0.0	1.23e-05
2507	310	-0.26	0.59	-0.14	-1.40e-04	0.0	1.32e-05
2508	28	-1.19	1.29	-0.26	-2.69e-04	0.0	2.94e-05
2508	44	-1.54	1.13	-0.24	-2.35e-04	0.0	3.19e-05
2508	68	-0.45	2.24	-0.20	-3.05e-04	0.0	9.19e-06
2508	123	-9.83	3.50	-0.22	-3.33e-04	0.0	9.54e-05
2508	137	1.16	13.00	0.07	-9.61e-04	0.0	2.57e-04
2508	144	-1.99	-10.92	-0.37	6.31e-04	0.0	-1.60e-04
2508	155	-11.01	3.88	-0.22	-3.59e-04	0.0	1.07e-04
2508	169	1.34	14.62	0.10	-1.07e-03	0.0	2.88e-04
2508	176	-2.20	-12.44	-0.39	7.32e-04	0.0	-1.82e-04
2508	187	-10.84	4.01	-0.22	-3.67e-04	0.0	1.12e-04
2508	201	1.30	14.99	0.10	-1.09e-03	0.0	2.88e-04
2508	208	-2.16	-12.79	-0.40	7.54e-04	0.0	-1.83e-04
2508	219	-12.55	4.71	-0.23	-4.14e-04	0.0	1.33e-04
2508	233	1.56	17.71	0.15	-1.27e-03	0.0	3.38e-04
2508	240	-2.45	-15.35	-0.45	9.24e-04	0.0	-2.18e-04
2508	256	-0.81	0.89	-0.18	-1.87e-04	0.0	2.03e-05
2508	264	-1.04	0.78	-0.17	-1.64e-04	0.0	2.19e-05
2508	276	-0.32	1.53	-0.14	-2.11e-04	0.0	6.80e-06
2508	298	-0.31	0.70	-0.15	-1.48e-04	0.0	1.19e-05
2508	305	-0.44	0.67	-0.15	-1.41e-04	0.0	1.31e-05
2508	307	-0.29	0.82	-0.14	-1.50e-04	0.0	1.00e-05
2508	310	-0.30	0.66	-0.15	-1.41e-04	0.0	1.12e-05
2509	28	-1.02	0.98	-0.23	-2.62e-04	0.0	5.35e-05
2509	44	-1.36	0.86	-0.23	-2.28e-04	0.0	5.38e-05
2509	68	-0.34	1.91	-0.16	-3.05e-04	0.0	3.53e-05
2509	123	-9.23	3.06	-0.25	-3.54e-04	0.0	1.91e-04
2509	137	3.12	11.78	0.21	-1.08e-03	0.0	2.88e-04
2509	144	-3.80	-10.07	-0.48	7.54e-04	0.0	-1.59e-04

2509	155	-10.35	3.40	-0.26	-3.83e-04	0.0	2.13e-04
2509	169	3.54	13.27	0.26	-1.21e-03	0.0	3.22e-04
2509	176	-4.25	-11.46	-0.52	8.71e-04	0.0	-1.82e-04
2509	187	-10.19	3.52	-0.25	-3.93e-04	0.0	2.16e-04
2509	201	3.49	13.60	0.27	-1.23e-03	0.0	3.25e-04
2509	208	-4.20	-11.79	-0.53	8.96e-04	0.0	-1.86e-04
2509	219	-11.81	4.15	-0.27	-4.46e-04	0.0	2.52e-04
2509	233	4.11	16.08	0.34	-1.44e-03	0.0	3.80e-04
2509	240	-4.85	-14.12	-0.60	1.09e-03	0.0	-2.25e-04
2509	256	-0.69	0.68	-0.16	-1.82e-04	0.0	3.68e-05
2509	264	-0.92	0.59	-0.16	-1.59e-04	0.0	3.71e-05
2509	276	-0.24	1.29	-0.12	-2.11e-04	0.0	2.47e-05
2509	305	-0.36	0.51	-0.13	-1.37e-04	0.0	2.49e-05
2509	307	-0.22	0.65	-0.12	-1.47e-04	0.0	2.25e-05
2509	310	-0.23	0.50	-0.13	-1.37e-04	0.0	2.28e-05
2510	28	-1.11	1.12	-0.24	-2.69e-04	0.0	4.48e-05
2510	44	-1.45	0.98	-0.23	-2.35e-04	0.0	4.59e-05
2510	68	-0.40	2.07	-0.17	-3.11e-04	0.0	2.36e-05
2510	123	-9.54	3.25	-0.26	-3.52e-04	0.0	1.73e-04
2510	137	1.15	12.35	0.21	-1.04e-03	0.0	2.99e-04
2510	144	-1.90	-10.46	-0.48	7.08e-04	0.0	-1.76e-04
2510	155	-10.69	3.61	-0.28	-3.80e-04	0.0	1.93e-04
2510	169	1.32	13.90	0.25	-1.16e-03	0.0	3.35e-04
2510	176	-2.11	-11.92	-0.53	8.20e-04	0.0	-2.02e-04
2510	187	-10.52	3.74	-0.27	-3.89e-04	0.0	1.96e-04
2510	201	1.28	14.25	0.26	-1.19e-03	0.0	3.38e-04
2510	208	-2.07	-12.25	-0.54	8.44e-04	0.0	-2.06e-04
2510	219	-12.19	4.40	-0.29	-4.40e-04	0.0	2.30e-04
2510	233	1.54	16.84	0.34	-1.39e-03	0.0	3.96e-04
2510	240	-2.35	-14.69	-0.61	1.03e-03	0.0	-2.48e-04
2510	256	-0.75	0.78	-0.17	-1.87e-04	0.0	3.09e-05
2510	264	-0.98	0.68	-0.17	-1.64e-04	0.0	3.17e-05
2510	276	-0.28	1.41	-0.12	-2.15e-04	0.0	1.68e-05
2510	305	-0.40	0.58	-0.14	-1.41e-04	0.0	2.08e-05
2510	307	-0.26	0.73	-0.13	-1.51e-04	0.0	1.78e-05
2510	310	-0.26	0.58	-0.13	-1.41e-04	0.0	1.87e-05
2511	28	-1.19	1.27	-0.25	-2.75e-04	0.0	3.32e-05
2511	44	-1.54	1.11	-0.24	-2.40e-04	0.0	3.54e-05
2511	68	-0.46	2.24	-0.17	-3.13e-04	0.0	9.56e-06
2511	123	-9.83	3.44	-0.27	-3.39e-04	0.0	1.56e-04
2511	137	1.16	12.91	0.20	-9.78e-04	0.0	2.88e-04
2511	144	-1.99	-10.83	-0.49	6.40e-04	0.0	-1.74e-04
2511	155	-11.01	3.81	-0.29	-3.65e-04	0.0	1.75e-04
2511	169	1.34	14.51	0.25	-1.09e-03	0.0	3.24e-04
2511	176	-2.20	-12.34	-0.53	7.43e-04	0.0	-1.99e-04
2511	187	-10.84	3.95	-0.28	-3.73e-04	0.0	1.77e-04
2511	201	1.30	14.88	0.26	-1.11e-03	0.0	3.25e-04
2511	208	-2.16	-12.69	-0.54	7.65e-04	0.0	-2.02e-04
2511	219	-12.56	4.63	-0.30	-4.20e-04	0.0	2.09e-04
2511	233	1.56	17.58	0.33	-1.29e-03	0.0	3.82e-04
2511	240	-2.45	-15.23	-0.62	9.37e-04	0.0	-2.42e-04
2511	256	-0.81	0.88	-0.18	-1.91e-04	0.0	2.29e-05
2511	264	-1.04	0.77	-0.17	-1.68e-04	0.0	2.44e-05
2511	276	-0.32	1.53	-0.13	-2.16e-04	0.0	7.18e-06
2511	305	-0.44	0.66	-0.14	-1.44e-04	0.0	1.50e-05
2511	307	-0.29	0.81	-0.13	-1.54e-04	0.0	1.16e-05
2511	310	-0.30	0.66	-0.14	-1.44e-04	0.0	1.31e-05
2512	44	-1.28	0.95	-0.85	0.0	-1.33e-04	3.34e-05
2512	68	-0.32	2.18	-0.84	0.0	-7.57e-05	2.07e-05
2512	76	-0.41	0.86	-0.96	0.0	-9.54e-05	1.90e-05
2512	116	-11.58	1.77	-0.56	0.0	-7.01e-04	-2.54e-04
2512	139	-1.43	11.42	-0.47	0.0	-8.57e-05	1.29e-04
2512	140	-5.23	-8.14	-0.60	0.0	-3.66e-04	-2.05e-04
2512	148	-12.99	1.89	-0.57	0.0	-7.82e-04	-2.87e-04
2512	171	-1.57	12.82	-0.46	0.0	-8.88e-05	1.45e-04
2512	172	-5.86	-9.30	-0.61	0.0	-4.06e-04	-2.33e-04
2512	180	-12.87	1.74	-0.57	0.0	-7.75e-04	-2.87e-04
2512	203	-1.48	13.09	-0.46	0.0	-8.15e-05	1.49e-04
2512	204	-5.85	-9.60	-0.61	0.0	-4.07e-04	-2.34e-04
2512	212	-15.03	1.83	-0.58	0.0	-9.00e-04	-3.42e-04
2512	235	-1.64	15.42	-0.45	0.0	-8.30e-05	1.75e-04
2512	236	-6.84	-11.56	-0.63	0.0	-4.70e-04	-2.78e-04
2512	264	-0.86	0.66	-0.60	0.0	-9.15e-05	2.28e-05
2512	276	-0.22	1.48	-0.59	0.0	-5.33e-05	1.44e-05
2512	280	-0.29	0.61	-0.67	0.0	-6.64e-05	1.32e-05

2512	298	-0.23	0.68	-0.56	0.0	-5.31e-05	1.11e-05
2512	305	-0.35	0.63	-0.53	0.0	-5.74e-05	1.26e-05
2512	307	-0.22	0.79	-0.53	0.0	-4.98e-05	1.09e-05
2512	310	-0.22	0.64	-0.53	0.0	-5.07e-05	1.04e-05
2513	44	-1.15	0.70	-0.89	0.0	-1.36e-04	2.94e-05
2513	68	-0.24	1.84	-0.88	0.0	-7.86e-05	1.53e-05
2513	76	-0.32	0.59	-1.02	0.0	-9.82e-05	1.39e-05
2513	116	-10.56	1.58	-0.58	0.0	-9.25e-04	-2.84e-04
2513	139	-1.37	10.60	-0.53	0.0	-1.27e-04	1.06e-04
2513	140	-4.69	-7.75	-0.60	0.0	-4.53e-04	-2.07e-04
2513	148	-11.84	1.69	-0.58	0.0	-1.03e-03	-3.21e-04
2513	171	-1.50	11.92	-0.52	0.0	-1.35e-04	1.19e-04
2513	172	-5.25	-8.83	-0.60	0.0	-5.04e-04	-2.34e-04
2513	180	-11.72	1.55	-0.58	0.0	-1.02e-03	-3.21e-04
2513	203	-1.42	12.17	-0.52	0.0	-1.27e-04	1.21e-04
2513	204	-5.24	-9.12	-0.60	0.0	-5.04e-04	-2.34e-04
2513	212	-13.69	1.64	-0.58	0.0	-1.19e-03	-3.81e-04
2513	235	-1.60	14.36	-0.52	0.0	-1.35e-04	1.43e-04
2513	236	-6.13	-10.96	-0.61	0.0	-5.84e-04	-2.78e-04
2513	264	-0.78	0.49	-0.63	0.0	-9.34e-05	2.00e-05
2513	276	-0.17	1.25	-0.62	0.0	-5.53e-05	1.06e-05
2513	280	-0.22	0.41	-0.71	0.0	-6.83e-05	9.68e-06
2513	298	-0.18	0.51	-0.59	0.0	-5.47e-05	8.21e-06
2513	305	-0.29	0.47	-0.56	0.0	-5.90e-05	9.95e-06
2513	307	-0.17	0.62	-0.56	0.0	-5.14e-05	8.07e-06
2513	310	-0.17	0.48	-0.56	0.0	-5.23e-05	7.68e-06
2514	44	-1.23	0.84	-0.91	0.0	-1.35e-04	3.08e-05
2514	68	-0.29	2.03	-0.90	0.0	-7.83e-05	1.74e-05
2514	76	-0.37	0.75	-1.03	0.0	-9.78e-05	1.58e-05
2514	116	-11.04	1.69	-0.58	0.0	-8.26e-04	-2.96e-04
2514	139	-1.44	11.03	-0.53	0.0	-1.13e-04	1.13e-04
2514	140	-4.92	-7.93	-0.60	0.0	-4.12e-04	-2.17e-04
2514	148	-12.38	1.80	-0.59	0.0	-9.22e-04	-3.34e-04
2514	171	-1.58	12.39	-0.53	0.0	-1.19e-04	1.27e-04
2514	172	-5.52	-9.06	-0.61	0.0	-4.58e-04	-2.46e-04
2514	180	-12.26	1.66	-0.59	0.0	-9.13e-04	-3.34e-04
2514	203	-1.49	12.65	-0.53	0.0	-1.11e-04	1.30e-04
2514	204	-5.51	-9.35	-0.61	0.0	-4.59e-04	-2.46e-04
2514	212	-14.31	1.75	-0.59	0.0	-1.06e-03	-3.96e-04
2514	235	-1.67	14.91	-0.52	0.0	-1.17e-04	1.53e-04
2514	236	-6.44	-11.25	-0.62	0.0	-5.31e-04	-2.93e-04
2514	264	-0.83	0.59	-0.63	0.0	-9.31e-05	2.10e-05
2514	276	-0.20	1.38	-0.63	0.0	-5.50e-05	1.21e-05
2514	280	-0.26	0.52	-0.71	0.0	-6.81e-05	1.10e-05
2514	298	-0.21	0.60	-0.59	0.0	-5.45e-05	9.33e-06
2514	305	-0.32	0.56	-0.57	0.0	-5.88e-05	1.10e-05
2514	307	-0.20	0.72	-0.56	0.0	-5.12e-05	9.17e-06
2514	310	-0.20	0.57	-0.57	0.0	-5.21e-05	8.73e-06
2515	44	-1.30	0.96	-0.91	0.0	-1.35e-04	3.26e-05
2515	68	-0.33	2.18	-0.90	0.0	-7.81e-05	1.96e-05
2515	76	-0.43	0.87	-1.03	0.0	-9.75e-05	1.78e-05
2515	116	-11.45	1.78	-0.59	0.0	-6.95e-04	-3.03e-04
2515	139	-1.49	11.42	-0.54	0.0	-9.30e-05	1.21e-04
2515	140	-5.13	-8.13	-0.61	0.0	-3.58e-04	-2.25e-04
2515	148	-12.84	1.89	-0.59	0.0	-7.75e-04	-3.42e-04
2515	171	-1.63	12.83	-0.53	0.0	-9.69e-05	1.35e-04
2515	172	-5.75	-9.29	-0.62	0.0	-3.97e-04	-2.55e-04
2515	180	-12.71	1.74	-0.59	0.0	-7.67e-04	-3.42e-04
2515	203	-1.55	13.09	-0.53	0.0	-8.99e-05	1.39e-04
2515	204	-5.74	-9.60	-0.62	0.0	-3.98e-04	-2.56e-04
2515	212	-14.84	1.83	-0.60	0.0	-8.90e-04	-4.06e-04
2515	235	-1.73	15.42	-0.52	0.0	-9.27e-05	1.63e-04
2515	236	-6.70	-11.56	-0.63	0.0	-4.60e-04	-3.04e-04
2515	264	-0.88	0.67	-0.64	0.0	-9.28e-05	2.23e-05
2515	276	-0.23	1.48	-0.63	0.0	-5.49e-05	1.36e-05
2515	280	-0.30	0.61	-0.72	0.0	-6.79e-05	1.24e-05
2515	298	-0.24	0.68	-0.60	0.0	-5.44e-05	1.05e-05
2515	305	-0.35	0.63	-0.57	0.0	-5.86e-05	1.21e-05
2515	307	-0.22	0.79	-0.57	0.0	-5.11e-05	1.03e-05
2515	310	-0.23	0.64	-0.57	0.0	-5.19e-05	9.84e-06
2516	44	-1.17	0.71	-0.92	0.0	-1.37e-04	2.89e-05
2516	68	-0.25	1.85	-0.92	0.0	-8.09e-05	1.49e-05
2516	76	-0.33	0.60	-1.05	0.0	-1.00e-04	1.38e-05
2516	116	-10.41	1.58	-0.57	0.0	-9.01e-04	-3.05e-04
2516	138	1.06	-9.64	-0.60	0.0	2.57e-05	-8.43e-05

2516	139	-1.41	10.61	-0.55	0.0	-1.33e-04	9.95e-05
2516	148	-11.68	1.70	-0.57	0.0	-1.01e-03	-3.44e-04
2516	170	1.20	-10.96	-0.60	0.0	3.43e-05	-9.66e-05
2516	171	-1.56	11.93	-0.55	0.0	-1.41e-04	1.12e-04
2516	180	-11.55	1.55	-0.57	0.0	-9.95e-04	-3.44e-04
2516	202	1.12	-11.21	-0.60	0.0	2.61e-05	-9.93e-05
2516	203	-1.48	12.18	-0.55	0.0	-1.33e-04	1.14e-04
2516	212	-13.49	1.64	-0.57	0.0	-1.16e-03	-4.08e-04
2516	234	1.31	-13.40	-0.61	0.0	3.56e-05	-1.20e-04
2516	235	-1.66	14.37	-0.55	0.0	-1.43e-04	1.35e-04
2516	264	-0.79	0.50	-0.64	0.0	-9.46e-05	1.97e-05
2516	276	-0.18	1.26	-0.64	0.0	-5.69e-05	1.04e-05
2516	280	-0.23	0.42	-0.73	0.0	-6.99e-05	9.64e-06
2516	298	-0.19	0.52	-0.61	0.0	-5.60e-05	8.12e-06
2516	305	-0.30	0.48	-0.58	0.0	-6.02e-05	9.82e-06
2516	307	-0.17	0.63	-0.58	0.0	-5.26e-05	7.95e-06
2516	310	-0.18	0.48	-0.58	0.0	-5.35e-05	7.60e-06
2517	44	-1.24	0.85	-0.93	0.0	-1.37e-04	3.06e-05
2517	68	-0.30	2.04	-0.93	0.0	-8.06e-05	1.71e-05
2517	76	-0.38	0.76	-1.06	0.0	-9.99e-05	1.57e-05
2517	116	-10.88	1.69	-0.58	0.0	-8.12e-04	-3.28e-04
2517	138	1.07	-9.88	-0.61	0.0	1.25e-05	-8.72e-05
2517	139	-1.48	11.03	-0.56	0.0	-1.19e-04	1.04e-04
2517	148	-12.21	1.81	-0.58	0.0	-9.05e-04	-3.70e-04
2517	170	1.22	-11.25	-0.61	0.0	1.95e-05	-1.00e-04
2517	171	-1.63	12.40	-0.56	0.0	-1.26e-04	1.17e-04
2517	180	-12.08	1.66	-0.58	0.0	-8.96e-04	-3.70e-04
2517	202	1.14	-11.50	-0.61	0.0	1.19e-05	-1.03e-04
2517	203	-1.55	12.65	-0.56	0.0	-1.18e-04	1.20e-04
2517	212	-14.10	1.75	-0.58	0.0	-1.04e-03	-4.38e-04
2517	234	1.33	-13.77	-0.62	0.0	1.93e-05	-1.24e-04
2517	235	-1.73	14.92	-0.55	0.0	-1.26e-04	1.42e-04
2517	264	-0.84	0.60	-0.65	0.0	-9.44e-05	2.09e-05
2517	276	-0.21	1.39	-0.65	0.0	-5.67e-05	1.19e-05
2517	280	-0.27	0.53	-0.74	0.0	-6.96e-05	1.09e-05
2517	298	-0.22	0.61	-0.61	0.0	-5.58e-05	9.23e-06
2517	305	-0.33	0.57	-0.58	0.0	-6.00e-05	1.09e-05
2517	307	-0.20	0.72	-0.58	0.0	-5.24e-05	9.06e-06
2517	310	-0.20	0.57	-0.58	0.0	-5.33e-05	8.65e-06
2518	44	-1.32	0.96	-0.94	0.0	-1.37e-04	3.26e-05
2518	68	-0.34	2.18	-0.94	0.0	-8.05e-05	1.93e-05
2518	76	-0.44	0.87	-1.07	0.0	-9.97e-05	1.77e-05
2518	116	-11.29	1.78	-0.58	0.0	-6.85e-04	-3.39e-04
2518	138	1.08	-10.14	-0.61	0.0	-6.29e-06	-9.27e-05
2518	139	-1.54	11.42	-0.56	0.0	-1.00e-04	1.12e-04
2518	148	-12.66	1.90	-0.58	0.0	-7.64e-04	-3.83e-04
2518	170	1.23	-11.55	-0.62	0.0	-1.55e-06	-1.06e-04
2518	171	-1.69	12.83	-0.56	0.0	-1.05e-04	1.26e-04
2518	180	-12.53	1.75	-0.58	0.0	-7.56e-04	-3.83e-04
2518	202	1.14	-11.81	-0.62	0.0	-8.27e-06	-1.10e-04
2518	203	-1.61	13.10	-0.56	0.0	-9.80e-05	1.29e-04
2518	212	-14.62	1.84	-0.58	0.0	-8.77e-04	-4.54e-04
2518	234	1.33	-14.14	-0.62	0.0	-4.03e-06	-1.33e-04
2518	235	-1.80	15.43	-0.55	0.0	-1.02e-04	1.52e-04
2518	264	-0.89	0.67	-0.66	0.0	-9.43e-05	2.23e-05
2518	276	-0.24	1.49	-0.66	0.0	-5.66e-05	1.34e-05
2518	280	-0.30	0.61	-0.74	0.0	-6.94e-05	1.23e-05
2518	298	-0.25	0.68	-0.62	0.0	-5.56e-05	1.04e-05
2518	305	-0.36	0.63	-0.59	0.0	-5.99e-05	1.20e-05
2518	307	-0.23	0.79	-0.59	0.0	-5.23e-05	1.02e-05
2518	310	-0.23	0.64	-0.59	0.0	-5.32e-05	9.77e-06
2519	4	-0.06	0.96	-1.07	0.0	-8.54e-05	9.87e-06
2519	44	-1.19	0.72	-0.94	0.0	-1.39e-04	2.86e-05
2519	68	-0.26	1.87	-0.94	0.0	-8.31e-05	1.48e-05
2519	116	-10.25	1.59	-0.58	0.0	-8.78e-04	-3.29e-04
2519	118	8.66	-5.43	-0.61	0.0	6.58e-04	2.00e-04
2519	139	-1.45	10.62	-0.58	0.0	-1.39e-04	8.97e-05
2519	148	-11.49	1.71	-0.58	0.0	-9.80e-04	-3.71e-04
2519	150	9.75	-6.18	-0.61	0.0	7.45e-04	2.23e-04
2519	171	-1.60	11.94	-0.57	0.0	-1.48e-04	1.01e-04
2519	180	-11.37	1.56	-0.58	0.0	-9.69e-04	-3.70e-04
2519	182	9.59	-6.20	-0.61	0.0	7.31e-04	2.19e-04
2519	203	-1.52	12.19	-0.57	0.0	-1.41e-04	1.03e-04
2519	212	-13.27	1.65	-0.57	0.0	-1.12e-03	-4.39e-04
2519	214	11.21	-7.39	-0.61	0.0	8.61e-04	2.54e-04

2519	235	-1.72	14.38	-0.57	0.0	-1.51e-04	1.22e-04
2519	244	-0.05	0.66	-0.74	0.0	-5.99e-05	7.02e-06
2519	264	-0.80	0.51	-0.66	0.0	-9.58e-05	1.95e-05
2519	276	-0.18	1.27	-0.66	0.0	-5.84e-05	1.03e-05
2519	298	-0.19	0.53	-0.62	0.0	-5.71e-05	8.19e-06
2519	305	-0.30	0.48	-0.59	0.0	-6.12e-05	9.84e-06
2519	307	-0.18	0.64	-0.59	0.0	-5.38e-05	7.99e-06
2519	310	-0.18	0.49	-0.59	0.0	-5.45e-05	7.68e-06
2520	28	-0.94	0.75	-0.74	-2.62e-04	0.0	1.09e-04
2520	44	-1.27	0.59	-0.68	-2.28e-04	0.0	9.45e-05
2520	68	-0.31	1.74	-0.64	-2.93e-04	0.0	8.90e-05
2520	115	-8.24	5.75	-0.86	-5.55e-04	0.0	-7.11e-05
2520	116	-9.33	1.84	-0.81	-2.44e-04	0.0	-2.67e-04
2520	139	-1.58	10.51	-0.58	-9.70e-04	0.0	1.09e-04
2520	147	-9.23	6.42	-0.92	-6.08e-04	0.0	-8.55e-05
2520	148	-10.45	1.99	-0.87	-2.56e-04	0.0	-3.07e-04
2520	171	-1.74	11.82	-0.60	-1.08e-03	0.0	1.16e-04
2520	179	-9.07	6.42	-0.91	-6.07e-04	0.0	-7.77e-05
2520	180	-10.32	1.84	-0.86	-2.44e-04	0.0	-3.05e-04
2520	203	-1.68	12.06	-0.60	-1.10e-03	0.0	1.15e-04
2520	211	-10.53	7.49	-0.99	-6.92e-04	0.0	-9.65e-05
2520	212	-12.02	1.99	-0.93	-2.55e-04	0.0	-3.70e-04
2520	235	-1.91	14.23	-0.63	-1.28e-03	0.0	1.26e-04
2520	256	-0.64	0.52	-0.52	-1.83e-04	0.0	7.48e-05
2520	264	-0.86	0.42	-0.48	-1.60e-04	0.0	6.48e-05
2520	276	-0.21	1.18	-0.45	-2.03e-04	0.0	6.11e-05
2520	298	-0.22	0.45	-0.41	-1.46e-04	0.0	5.79e-05
2520	305	-0.33	0.41	-0.40	-1.38e-04	0.0	5.52e-05
2520	307	-0.20	0.56	-0.39	-1.47e-04	0.0	5.45e-05
2520	310	-0.20	0.42	-0.39	-1.39e-04	0.0	5.32e-05
2521	28	-1.02	0.83	-0.79	-2.65e-04	0.0	1.31e-04
2521	44	-1.36	0.67	-0.74	-2.32e-04	0.0	1.09e-04
2521	68	-0.36	1.85	-0.67	-2.95e-04	0.0	1.06e-04
2521	116	-9.65	2.06	-1.17	-2.42e-04	0.0	-2.80e-04
2521	139	-1.66	11.00	-0.71	-9.17e-04	0.0	-1.08e-04
2521	148	-10.82	2.24	-1.27	-2.53e-04	0.0	-3.23e-04
2521	171	-1.83	12.37	-0.75	-1.02e-03	0.0	-1.29e-04
2521	180	-10.68	2.07	-1.25	-2.42e-04	0.0	-3.19e-04
2521	203	-1.76	12.61	-0.74	-1.04e-03	0.0	-1.19e-04
2521	212	-12.43	2.25	-1.40	-2.52e-04	0.0	-3.87e-04
2521	235	-2.00	14.88	-0.80	-1.20e-03	0.0	-1.48e-04
2521	256	-0.69	0.58	-0.55	-1.84e-04	0.0	8.89e-05
2521	264	-0.92	0.47	-0.52	-1.63e-04	0.0	7.43e-05
2521	276	-0.25	1.26	-0.47	-2.05e-04	0.0	7.25e-05
2521	298	-0.25	0.50	-0.43	-1.47e-04	0.0	7.09e-05
2521	305	-0.37	0.46	-0.42	-1.39e-04	0.0	6.67e-05
2521	307	-0.24	0.61	-0.41	-1.48e-04	0.0	6.64e-05
2521	310	-0.24	0.47	-0.41	-1.40e-04	0.0	6.47e-05
2522	28	-1.02	0.89	-0.76	-2.75e-04	0.0	1.39e-04
2522	44	-1.36	0.72	-0.70	-2.39e-04	0.0	1.16e-04
2522	68	-0.36	1.90	-0.66	-3.04e-04	0.0	1.13e-04
2522	115	-8.53	6.04	-0.88	-5.22e-04	0.0	-8.49e-05
2522	116	-9.65	1.97	-0.83	-2.34e-04	0.0	-2.76e-04
2522	139	-1.66	11.02	-0.60	-8.94e-04	0.0	-1.03e-04
2522	147	-9.55	6.74	-0.94	-5.70e-04	0.0	-1.03e-04
2522	148	-10.82	2.13	-0.89	-2.44e-04	0.0	-3.18e-04
2522	171	-1.83	12.39	-0.62	-9.92e-04	0.0	-1.24e-04
2522	179	-9.38	6.74	-0.93	-5.70e-04	0.0	-9.41e-05
2522	180	-10.67	1.97	-0.88	-2.33e-04	0.0	-3.14e-04
2522	203	-1.76	12.64	-0.62	-1.01e-03	0.0	-1.13e-04
2522	211	-10.89	7.86	-1.01	-6.47e-04	0.0	-1.18e-04
2522	212	-12.43	2.13	-0.96	-2.42e-04	0.0	-3.82e-04
2522	235	-2.00	14.91	-0.65	-1.17e-03	0.0	-1.42e-04
2522	256	-0.69	0.62	-0.53	-1.91e-04	0.0	9.50e-05
2522	264	-0.92	0.50	-0.49	-1.67e-04	0.0	7.94e-05
2522	276	-0.25	1.29	-0.47	-2.10e-04	0.0	7.76e-05
2522	298	-0.25	0.53	-0.42	-1.53e-04	0.0	7.59e-05
2522	305	-0.37	0.49	-0.41	-1.45e-04	0.0	7.13e-05
2522	307	-0.24	0.64	-0.41	-1.54e-04	0.0	7.10e-05
2522	310	-0.24	0.50	-0.40	-1.46e-04	0.0	6.93e-05
2523	28	-1.10	0.99	-0.80	-2.89e-04	0.0	1.21e-04
2523	44	-1.44	0.81	-0.75	-2.51e-04	0.0	9.82e-05
2523	68	-0.41	2.02	-0.68	-3.16e-04	0.0	9.70e-05
2523	116	-9.97	2.20	-1.17	-2.27e-04	0.0	-3.04e-04
2523	139	-1.73	11.47	-0.72	-7.92e-04	0.0	-1.17e-04

2523	148	-11.17	2.37	-1.26	-2.35e-04	0.0	-3.48e-04
2523	171	-1.90	12.89	-0.75	-8.75e-04	0.0	-1.37e-04
2523	180	-11.02	2.21	-1.25	-2.26e-04	0.0	-3.44e-04
2523	203	-1.84	13.14	-0.75	-8.89e-04	0.0	-1.25e-04
2523	212	-12.83	2.39	-1.39	-2.32e-04	0.0	-4.15e-04
2523	235	-2.08	15.49	-0.80	-1.03e-03	0.0	-1.53e-04
2523	256	-0.75	0.69	-0.56	-2.01e-04	0.0	8.19e-05
2523	264	-0.97	0.57	-0.53	-1.76e-04	0.0	6.67e-05
2523	276	-0.29	1.38	-0.48	-2.19e-04	0.0	6.59e-05
2523	298	-0.29	0.58	-0.44	-1.61e-04	0.0	6.62e-05
2523	305	-0.41	0.54	-0.43	-1.52e-04	0.0	6.19e-05
2523	307	-0.27	0.70	-0.42	-1.61e-04	0.0	6.17e-05
2523	310	-0.27	0.55	-0.42	-1.53e-04	0.0	5.98e-05
2524	4	-0.10	1.13	-1.08	0.0	-8.51e-05	1.21e-05
2524	44	-1.26	0.87	-0.95	0.0	-1.39e-04	3.10e-05
2524	68	-0.31	2.05	-0.95	0.0	-8.30e-05	1.73e-05
2524	116	-10.71	1.70	-0.58	0.0	-7.93e-04	-3.53e-04
2524	118	9.01	-5.52	-0.61	0.0	5.82e-04	2.17e-04
2524	139	-1.53	11.04	-0.58	0.0	-1.26e-04	9.73e-05
2524	148	-12.01	1.82	-0.58	0.0	-8.85e-04	-3.98e-04
2524	150	10.14	-6.30	-0.61	0.0	6.60e-04	2.42e-04
2524	171	-1.68	12.41	-0.58	0.0	-1.34e-04	1.09e-04
2524	180	-11.88	1.67	-0.58	0.0	-8.75e-04	-3.98e-04
2524	182	9.97	-6.32	-0.61	0.0	6.47e-04	2.38e-04
2524	203	-1.60	12.66	-0.58	0.0	-1.26e-04	1.12e-04
2524	212	-13.86	1.76	-0.58	0.0	-1.01e-03	-4.71e-04
2524	214	11.66	-7.54	-0.62	0.0	7.63e-04	2.77e-04
2524	235	-1.80	14.93	-0.58	0.0	-1.35e-04	1.32e-04
2524	244	-0.08	0.78	-0.75	0.0	-5.97e-05	8.60e-06
2524	264	-0.85	0.60	-0.66	0.0	-9.58e-05	2.12e-05
2524	276	-0.21	1.39	-0.66	0.0	-5.83e-05	1.21e-05
2524	298	-0.22	0.62	-0.62	0.0	-5.70e-05	9.48e-06
2524	305	-0.33	0.57	-0.59	0.0	-6.11e-05	1.11e-05
2524	307	-0.21	0.73	-0.59	0.0	-5.36e-05	9.28e-06
2524	310	-0.21	0.58	-0.59	0.0	-5.44e-05	8.90e-06
2525	28	-1.17	1.23	-0.85	-2.52e-04	0.0	7.33e-05
2525	44	-1.51	1.01	-0.76	-2.20e-04	0.0	5.67e-05
2525	68	-0.46	2.26	-0.76	-2.84e-04	0.0	5.65e-05
2525	116	-10.25	2.09	-0.66	-1.71e-04	0.0	-3.44e-04
2525	119	-9.26	7.32	-0.70	-4.37e-04	0.0	-2.76e-04
2525	139	-1.80	11.84	-0.60	-6.72e-04	0.0	-1.46e-04
2525	148	-11.48	2.24	-0.69	-1.75e-04	0.0	-3.91e-04
2525	151	-10.36	8.16	-0.73	-4.76e-04	0.0	-3.13e-04
2525	171	-1.97	13.29	-0.61	-7.43e-04	0.0	-1.68e-04
2525	180	-11.33	2.08	-0.69	-1.68e-04	0.0	-3.85e-04
2525	183	-10.20	8.17	-0.73	-4.78e-04	0.0	-3.02e-04
2525	203	-1.91	13.56	-0.61	-7.56e-04	0.0	-1.54e-04
2525	212	-13.19	2.21	-0.72	-1.70e-04	0.0	-4.59e-04
2525	215	-11.84	9.49	-0.77	-5.39e-04	0.0	-3.58e-04
2525	235	-2.16	15.97	-0.64	-8.72e-04	0.0	-1.82e-04
2525	256	-0.80	0.85	-0.59	-1.75e-04	0.0	4.88e-05
2525	264	-1.02	0.70	-0.54	-1.54e-04	0.0	3.78e-05
2525	276	-0.32	1.54	-0.53	-1.97e-04	0.0	3.76e-05
2525	298	-0.32	0.72	-0.48	-1.40e-04	0.0	4.00e-05
2525	305	-0.44	0.66	-0.46	-1.33e-04	0.0	3.70e-05
2525	307	-0.30	0.83	-0.46	-1.41e-04	0.0	3.70e-05
2525	310	-0.30	0.67	-0.46	-1.33e-04	0.0	3.49e-05
2526	28	-1.24	1.35	-0.85	-2.53e-04	0.0	2.59e-05
2526	44	-1.59	1.12	-0.77	-2.23e-04	0.0	1.70e-05
2526	68	-0.51	2.40	-0.76	-2.86e-04	0.0	1.51e-05
2526	116	-10.53	2.17	-0.67	-1.57e-04	0.0	-3.73e-04
2526	119	-9.51	7.52	-0.71	-3.91e-04	0.0	-3.01e-04
2526	139	-1.86	12.14	-0.60	-5.94e-04	0.0	-1.80e-04
2526	148	-11.78	2.32	-0.70	-1.59e-04	0.0	-4.21e-04
2526	151	-10.64	8.37	-0.74	-4.23e-04	0.0	-3.39e-04
2526	171	-2.04	13.63	-0.62	-6.54e-04	0.0	-2.03e-04
2526	180	-11.63	2.15	-0.69	-1.53e-04	0.0	-4.17e-04
2526	183	-10.47	8.38	-0.73	-4.26e-04	0.0	-3.29e-04
2526	203	-1.97	13.90	-0.62	-6.65e-04	0.0	-1.93e-04
2526	212	-13.54	2.29	-0.73	-1.53e-04	0.0	-4.93e-04
2526	215	-12.15	9.74	-0.78	-4.78e-04	0.0	-3.86e-04
2526	235	-2.23	16.36	-0.64	-7.65e-04	0.0	-2.25e-04
2526	256	-0.85	0.94	-0.60	-1.76e-04	0.0	1.61e-05
2526	264	-1.07	0.78	-0.54	-1.56e-04	0.0	1.02e-05
2526	276	-0.36	1.63	-0.54	-1.98e-04	0.0	8.92e-06

2526	298	-0.35	0.78	-0.48	-1.40e-04	0.0	1.34e-05
2526	305	-0.47	0.73	-0.46	-1.33e-04	0.0	1.21e-05
2526	307	-0.33	0.90	-0.46	-1.41e-04	0.0	1.19e-05
2526	310	-0.33	0.74	-0.46	-1.34e-04	0.0	9.98e-06
2527	44	-1.51	1.03	-0.89	-1.80e-04	0.0	3.98e-05
2527	52	-0.54	2.01	-1.02	-2.44e-04	0.0	5.38e-05
2527	68	-0.46	2.28	-0.91	-2.44e-04	0.0	4.09e-05
2527	116	-10.25	1.97	-0.56	-1.43e-04	0.0	-3.59e-04
2527	139	-1.80	11.82	-0.68	-6.73e-04	0.0	-1.63e-04
2527	148	-11.48	2.11	-0.56	-1.46e-04	0.0	-4.06e-04
2527	171	-1.97	13.27	-0.70	-7.47e-04	0.0	-1.85e-04
2527	180	-11.33	1.95	-0.55	-1.39e-04	0.0	-4.00e-04
2527	203	-1.91	13.54	-0.71	-7.61e-04	0.0	-1.70e-04
2527	212	-13.19	2.06	-0.55	-1.40e-04	0.0	-4.74e-04
2527	235	-2.16	15.94	-0.74	-8.83e-04	0.0	-1.99e-04
2527	264	-1.03	0.72	-0.62	-1.26e-04	0.0	2.60e-05
2527	268	-0.38	1.37	-0.71	-1.69e-04	0.0	3.54e-05
2527	276	-0.32	1.55	-0.64	-1.69e-04	0.0	2.67e-05
2527	298	-0.32	0.73	-0.57	-1.14e-04	0.0	2.88e-05
2527	305	-0.44	0.68	-0.55	-1.08e-04	0.0	2.65e-05
2527	307	-0.30	0.84	-0.55	-1.17e-04	0.0	2.66e-05
2527	310	-0.30	0.69	-0.55	-1.09e-04	0.0	2.44e-05
2528	28	-1.10	1.04	-0.78	-2.81e-04	0.0	1.24e-04
2528	44	-1.44	0.85	-0.71	-2.44e-04	0.0	1.00e-04
2528	68	-0.41	2.07	-0.68	-3.08e-04	0.0	9.93e-05
2528	115	-8.81	6.31	-0.89	-4.71e-04	0.0	-1.11e-04
2528	116	-9.97	2.10	-0.84	-2.14e-04	0.0	-3.03e-04
2528	139	-1.73	11.48	-0.61	-7.82e-04	0.0	-1.15e-04
2528	147	-9.86	7.04	-0.95	-5.11e-04	0.0	-1.31e-04
2528	148	-11.17	2.26	-0.90	-2.21e-04	0.0	-3.48e-04
2528	171	-1.90	12.90	-0.63	-8.64e-04	0.0	-1.36e-04
2528	179	-9.69	7.03	-0.94	-5.13e-04	0.0	-1.22e-04
2528	180	-11.02	2.10	-0.89	-2.12e-04	0.0	-3.43e-04
2528	203	-1.84	13.15	-0.63	-8.79e-04	0.0	-1.23e-04
2528	211	-11.24	8.20	-1.03	-5.79e-04	0.0	-1.49e-04
2528	212	-12.83	2.25	-0.97	-2.17e-04	0.0	-4.14e-04
2528	235	-2.08	15.50	-0.66	-1.02e-03	0.0	-1.51e-04
2528	256	-0.75	0.73	-0.54	-1.95e-04	0.0	8.37e-05
2528	264	-0.97	0.60	-0.50	-1.70e-04	0.0	6.82e-05
2528	276	-0.29	1.41	-0.48	-2.14e-04	0.0	6.75e-05
2528	298	-0.29	0.61	-0.43	-1.56e-04	0.0	6.77e-05
2528	305	-0.41	0.57	-0.42	-1.48e-04	0.0	6.33e-05
2528	307	-0.27	0.73	-0.41	-1.57e-04	0.0	6.31e-05
2528	310	-0.27	0.58	-0.41	-1.49e-04	0.0	6.12e-05
2529	28	-0.94	0.80	-0.79	-3.03e-04	0.0	1.75e-04
2529	44	-1.27	0.64	-0.71	-2.59e-04	0.0	1.49e-04
2529	68	-0.31	1.78	-0.71	-3.26e-04	0.0	1.44e-04
2529	116	-9.33	1.76	-0.62	-2.45e-04	0.0	-2.32e-04
2529	119	-8.42	6.49	-0.66	-6.06e-04	0.0	-9.83e-05
2529	139	-1.58	10.55	-0.56	-9.34e-04	0.0	1.42e-04
2529	148	-10.45	1.90	-0.65	-2.54e-04	0.0	-2.72e-04
2529	151	-9.43	7.25	-0.68	-6.63e-04	0.0	-1.21e-04
2529	171	-1.74	11.87	-0.57	-1.03e-03	0.0	1.49e-04
2529	180	-10.31	1.75	-0.64	-2.44e-04	0.0	-2.70e-04
2529	183	-9.28	7.26	-0.68	-6.64e-04	0.0	-1.17e-04
2529	203	-1.68	12.11	-0.57	-1.05e-03	0.0	1.47e-04
2529	212	-12.02	1.88	-0.68	-2.51e-04	0.0	-3.34e-04
2529	215	-10.79	8.46	-0.72	-7.53e-04	0.0	-1.52e-04
2529	235	-1.91	14.29	-0.60	-1.22e-03	0.0	1.58e-04
2529	256	-0.64	0.55	-0.55	-2.10e-04	0.0	1.20e-04
2529	264	-0.86	0.45	-0.50	-1.81e-04	0.0	1.03e-04
2529	276	-0.22	1.21	-0.50	-2.25e-04	0.0	9.90e-05
2529	298	-0.22	0.48	-0.45	-1.70e-04	0.0	9.50e-05
2529	305	-0.33	0.44	-0.43	-1.60e-04	0.0	8.98e-05
2529	307	-0.20	0.59	-0.43	-1.69e-04	0.0	8.91e-05
2529	310	-0.20	0.45	-0.43	-1.60e-04	0.0	8.78e-05
2530	4	-0.15	1.25	-1.09	0.0	-8.48e-05	1.42e-05
2530	44	-1.33	0.97	-0.96	0.0	-1.39e-04	3.31e-05
2530	68	-0.35	2.19	-0.96	0.0	-8.28e-05	1.97e-05
2530	116	-11.11	1.78	-0.59	0.0	-6.74e-04	-3.70e-04
2530	118	9.29	-5.64	-0.62	0.0	4.74e-04	2.29e-04
2530	139	-1.59	11.43	-0.58	0.0	-1.07e-04	1.05e-04
2530	148	-12.45	1.90	-0.58	0.0	-7.50e-04	-4.18e-04
2530	150	10.47	-6.43	-0.62	0.0	5.39e-04	2.55e-04
2530	171	-1.74	12.83	-0.58	0.0	-1.13e-04	1.17e-04

2530	180	-12.32	1.75	-0.58	0.0	-7.42e-04	-4.18e-04
2530	182	10.29	-6.46	-0.62	0.0	5.28e-04	2.51e-04
2530	203	-1.66	13.10	-0.58	0.0	-1.07e-04	1.21e-04
2530	212	-14.37	1.84	-0.58	0.0	-8.60e-04	-4.95e-04
2530	214	12.04	-7.72	-0.62	0.0	6.25e-04	2.91e-04
2530	235	-1.86	15.43	-0.58	0.0	-1.12e-04	1.42e-04
2530	244	-0.11	0.86	-0.76	0.0	-5.95e-05	1.01e-05
2530	264	-0.90	0.67	-0.67	0.0	-9.57e-05	2.27e-05
2530	276	-0.25	1.49	-0.67	0.0	-5.82e-05	1.37e-05
2530	298	-0.25	0.69	-0.63	0.0	-5.68e-05	1.07e-05
2530	305	-0.37	0.63	-0.60	0.0	-6.10e-05	1.23e-05
2530	307	-0.23	0.80	-0.60	0.0	-5.35e-05	1.05e-05
2530	310	-0.24	0.64	-0.60	0.0	-5.43e-05	1.00e-05
2531	4	-0.06	0.98	-1.08	0.0	-8.80e-05	1.06e-05
2531	44	-1.20	0.74	-0.94	0.0	-1.42e-04	2.89e-05
2531	68	-0.27	1.89	-0.95	0.0	-8.63e-05	1.52e-05
2531	116	-10.07	1.60	-0.57	0.0	-8.52e-04	-3.48e-04
2531	121	9.07	2.82	-0.62	0.0	6.56e-04	7.96e-05
2531	139	-1.49	10.63	-0.59	0.0	-1.46e-04	8.44e-05
2531	148	-11.30	1.72	-0.56	0.0	-9.50e-04	-3.92e-04
2531	153	10.22	3.13	-0.62	0.0	7.45e-04	8.92e-05
2531	171	-1.64	11.96	-0.59	0.0	-1.56e-04	9.47e-05
2531	180	-11.17	1.58	-0.56	0.0	-9.39e-04	-3.91e-04
2531	185	10.09	3.22	-0.62	0.0	7.34e-04	9.36e-05
2531	203	-1.56	12.20	-0.59	0.0	-1.49e-04	9.73e-05
2531	209	12.66	-0.65	-0.63	0.0	9.77e-04	4.80e-04
2531	212	-13.03	1.67	-0.56	0.0	-1.09e-03	-4.64e-04
2531	235	-1.76	14.39	-0.59	0.0	-1.62e-04	1.15e-04
2531	244	-0.05	0.68	-0.75	0.0	-6.18e-05	7.51e-06
2531	264	-0.81	0.52	-0.66	0.0	-9.80e-05	1.97e-05
2531	276	-0.19	1.28	-0.66	0.0	-6.06e-05	1.06e-05
2531	298	-0.20	0.54	-0.62	0.0	-5.86e-05	8.50e-06
2531	305	-0.31	0.50	-0.59	0.0	-6.28e-05	1.01e-05
2531	307	-0.18	0.65	-0.59	0.0	-5.53e-05	8.28e-06
2531	310	-0.19	0.51	-0.59	0.0	-5.60e-05	7.99e-06
2532	28	-1.02	0.96	-0.82	-2.84e-04	0.0	1.79e-04
2532	44	-1.36	0.78	-0.74	-2.44e-04	0.0	1.49e-04
2532	68	-0.36	1.96	-0.73	-3.10e-04	0.0	1.47e-04
2532	116	-9.65	1.89	-0.64	-2.23e-04	0.0	-2.56e-04
2532	119	-8.72	6.81	-0.68	-5.58e-04	0.0	-1.90e-04
2532	139	-1.66	11.05	-0.58	-8.62e-04	0.0	-8.09e-05
2532	148	-10.82	2.03	-0.67	-2.30e-04	0.0	-2.99e-04
2532	151	-9.76	7.60	-0.71	-6.10e-04	0.0	-2.24e-04
2532	171	-1.83	12.42	-0.59	-9.54e-04	0.0	-1.01e-04
2532	180	-10.67	1.88	-0.66	-2.21e-04	0.0	-2.94e-04
2532	183	-9.61	7.61	-0.70	-6.11e-04	0.0	-2.15e-04
2532	203	-1.76	12.67	-0.59	-9.71e-04	0.0	-8.98e-05
2532	212	-12.43	2.01	-0.70	-2.26e-04	0.0	-3.62e-04
2532	215	-11.16	8.86	-0.75	-6.93e-04	0.0	-2.65e-04
2532	235	-2.00	14.94	-0.62	-1.12e-03	0.0	-1.17e-04
2532	256	-0.69	0.67	-0.57	-1.97e-04	0.0	1.22e-04
2532	264	-0.92	0.54	-0.52	-1.70e-04	0.0	1.02e-04
2532	276	-0.25	1.33	-0.52	-2.15e-04	0.0	1.01e-04
2532	298	-0.25	0.57	-0.46	-1.59e-04	0.0	9.82e-05
2532	305	-0.37	0.52	-0.45	-1.50e-04	0.0	9.22e-05
2532	307	-0.24	0.68	-0.45	-1.59e-04	0.0	9.20e-05
2532	310	-0.24	0.53	-0.44	-1.51e-04	0.0	9.02e-05
2533	44	-1.64	1.47	-0.41	-2.49e-04	0.0	1.07e-04
2533	52	-0.60	2.30	-0.50	-3.30e-04	0.0	1.19e-04
2533	68	-0.51	2.57	-0.46	-3.22e-04	0.0	1.14e-04
2533	121	8.57	5.04	-0.49	-4.19e-04	0.0	1.78e-04
2533	123	-10.09	4.23	-0.13	-3.46e-04	0.0	1.44e-04
2533	129	0.79	14.49	-0.45	-9.87e-04	0.0	5.00e-04
2533	153	9.67	5.60	-0.52	-4.54e-04	0.0	1.94e-04
2533	155	-11.31	4.68	-0.11	-3.72e-04	0.0	1.56e-04
2533	161	0.92	16.31	-0.47	-1.10e-03	0.0	5.57e-04
2533	185	9.51	5.77	-0.52	-4.63e-04	0.0	1.96e-04
2533	187	-11.13	4.85	-0.12	-3.83e-04	0.0	1.61e-04
2533	193	0.89	16.90	-0.47	-1.13e-03	0.0	5.68e-04
2533	217	11.11	6.77	-0.56	-5.26e-04	0.0	2.24e-04
2533	219	-12.89	5.68	-0.09	-4.31e-04	0.0	1.83e-04
2533	225	1.09	20.20	-0.51	-1.33e-03	0.0	6.69e-04
2533	264	-1.11	1.03	-0.29	-1.74e-04	0.0	7.48e-05
2533	268	-0.41	1.58	-0.35	-2.28e-04	0.0	8.24e-05
2533	276	-0.36	1.75	-0.32	-2.23e-04	0.0	7.95e-05

2533	298	-0.35	0.88	-0.29	-1.58e-04	0.0	5.81e-05
2533	305	-0.48	0.84	-0.27	-1.50e-04	0.0	5.71e-05
2533	307	-0.33	0.99	-0.28	-1.60e-04	0.0	5.80e-05
2533	310	-0.33	0.83	-0.28	-1.50e-04	0.0	5.52e-05
2534	44	-1.71	1.59	-0.41	-2.24e-04	0.0	1.22e-04
2534	52	-0.66	2.46	-0.51	-2.97e-04	0.0	1.38e-04
2534	68	-0.56	2.72	-0.46	-2.90e-04	0.0	1.32e-04
2534	121	8.74	5.22	-0.50	-3.59e-04	0.0	2.27e-04
2534	123	-10.35	4.40	-0.13	-2.95e-04	0.0	1.78e-04
2534	129	0.78	14.93	-0.45	-8.28e-04	0.0	6.25e-04
2534	153	9.87	5.79	-0.52	-3.89e-04	0.0	2.48e-04
2534	155	-11.59	4.87	-0.11	-3.17e-04	0.0	1.94e-04
2534	161	0.92	16.80	-0.47	-9.20e-04	0.0	6.98e-04
2534	185	9.71	5.96	-0.52	-3.97e-04	0.0	2.51e-04
2534	187	-11.41	5.04	-0.12	-3.25e-04	0.0	2.00e-04
2534	193	0.89	17.41	-0.48	-9.49e-04	0.0	7.15e-04
2534	217	11.34	6.99	-0.56	-4.49e-04	0.0	2.89e-04
2534	219	-13.21	5.90	-0.10	-3.65e-04	0.0	2.29e-04
2534	225	1.10	20.80	-0.52	-1.12e-03	0.0	8.44e-04
2534	264	-1.16	1.11	-0.29	-1.56e-04	0.0	8.47e-05
2534	268	-0.46	1.69	-0.36	-2.05e-04	0.0	9.56e-05
2534	276	-0.39	1.86	-0.33	-2.00e-04	0.0	9.14e-05
2534	298	-0.38	0.95	-0.29	-1.42e-04	0.0	6.78e-05
2534	305	-0.51	0.92	-0.27	-1.35e-04	0.0	6.62e-05
2534	307	-0.36	1.07	-0.28	-1.44e-04	0.0	6.75e-05
2534	310	-0.36	0.90	-0.28	-1.35e-04	0.0	6.43e-05
2535	44	-1.64	1.42	-0.41	-2.42e-04	0.0	7.97e-05
2535	52	-0.60	2.25	-0.50	-3.21e-04	0.0	8.37e-05
2535	68	-0.51	2.51	-0.45	-3.14e-04	0.0	8.02e-05
2535	121	8.57	4.95	-0.40	-3.95e-04	0.0	1.59e-04
2535	123	-10.09	4.15	-0.19	-3.33e-04	0.0	1.26e-04
2535	129	0.79	14.25	-0.37	-9.32e-04	0.0	4.74e-04
2535	153	9.67	5.50	-0.42	-4.28e-04	0.0	1.74e-04
2535	155	-11.31	4.59	-0.18	-3.58e-04	0.0	1.37e-04
2535	161	0.92	16.04	-0.39	-1.04e-03	0.0	5.30e-04
2535	185	9.51	5.67	-0.42	-4.37e-04	0.0	1.76e-04
2535	187	-11.13	4.76	-0.18	-3.67e-04	0.0	1.42e-04
2535	193	0.89	16.63	-0.39	-1.07e-03	0.0	5.40e-04
2535	217	11.10	6.66	-0.44	-4.96e-04	0.0	2.03e-04
2535	219	-12.89	5.58	-0.17	-4.14e-04	0.0	1.64e-04
2535	225	1.09	19.87	-0.41	-1.26e-03	0.0	6.38e-04
2535	264	-1.11	0.99	-0.30	-1.69e-04	0.0	5.54e-05
2535	268	-0.41	1.54	-0.35	-2.22e-04	0.0	5.80e-05
2535	276	-0.36	1.71	-0.32	-2.17e-04	0.0	5.57e-05
2535	298	-0.35	0.85	-0.29	-1.53e-04	0.0	4.11e-05
2535	305	-0.48	0.82	-0.27	-1.46e-04	0.0	4.09e-05
2535	307	-0.33	0.96	-0.28	-1.55e-04	0.0	4.10e-05
2535	310	-0.33	0.80	-0.28	-1.45e-04	0.0	3.90e-05
2536	44	-1.71	1.54	-0.42	-2.34e-04	0.0	7.99e-05
2536	52	-0.65	2.40	-0.50	-3.10e-04	0.0	8.41e-05
2536	68	-0.56	2.66	-0.45	-3.03e-04	0.0	7.98e-05
2536	121	8.74	5.12	-0.41	-3.57e-04	0.0	1.67e-04
2536	123	-10.35	4.31	-0.19	-2.97e-04	0.0	1.31e-04
2536	129	0.78	14.67	-0.38	-8.13e-04	0.0	4.99e-04
2536	153	9.87	5.69	-0.42	-3.85e-04	0.0	1.84e-04
2536	155	-11.59	4.77	-0.18	-3.18e-04	0.0	1.43e-04
2536	161	0.92	16.51	-0.39	-9.02e-04	0.0	5.58e-04
2536	185	9.71	5.86	-0.42	-3.93e-04	0.0	1.86e-04
2536	187	-11.41	4.94	-0.18	-3.26e-04	0.0	1.49e-04
2536	193	0.89	17.11	-0.39	-9.30e-04	0.0	5.69e-04
2536	217	11.34	6.87	-0.44	-4.43e-04	0.0	2.14e-04
2536	219	-13.21	5.78	-0.17	-3.66e-04	0.0	1.72e-04
2536	225	1.10	20.44	-0.41	-1.09e-03	0.0	6.74e-04
2536	264	-1.16	1.07	-0.30	-1.63e-04	0.0	5.55e-05
2536	268	-0.46	1.65	-0.35	-2.14e-04	0.0	5.83e-05
2536	276	-0.39	1.82	-0.32	-2.09e-04	0.0	5.55e-05
2536	298	-0.38	0.92	-0.29	-1.48e-04	0.0	4.16e-05
2536	305	-0.51	0.89	-0.27	-1.41e-04	0.0	4.13e-05
2536	307	-0.36	1.04	-0.28	-1.50e-04	0.0	4.13e-05
2536	310	-0.36	0.87	-0.28	-1.40e-04	0.0	3.95e-05
2537	44	-1.63	1.39	-0.42	-2.42e-04	0.0	5.66e-05
2537	52	-0.60	2.21	-0.49	-3.21e-04	0.0	5.40e-05
2537	68	-0.51	2.48	-0.44	-3.14e-04	0.0	5.09e-05
2537	121	8.57	4.88	-0.34	-3.88e-04	0.0	1.40e-04
2537	123	-10.09	4.08	-0.22	-3.30e-04	0.0	1.07e-04

2537	129	0.79	14.04	-0.33	-9.15e-04	0.0	4.42e-04
2537	153	9.67	5.42	-0.35	-4.20e-04	0.0	1.55e-04
2537	155	-11.30	4.52	-0.22	-3.55e-04	0.0	1.18e-04
2537	161	0.92	15.81	-0.33	-1.02e-03	0.0	4.96e-04
2537	185	9.51	5.58	-0.35	-4.29e-04	0.0	1.56e-04
2537	187	-11.13	4.68	-0.22	-3.64e-04	0.0	1.23e-04
2537	193	0.89	16.38	-0.34	-1.05e-03	0.0	5.05e-04
2537	217	11.10	6.56	-0.37	-4.87e-04	0.0	1.82e-04
2537	219	-12.89	5.50	-0.21	-4.10e-04	0.0	1.44e-04
2537	225	1.09	19.58	-0.35	-1.23e-03	0.0	5.98e-04
2537	264	-1.11	0.96	-0.30	-1.69e-04	0.0	3.92e-05
2537	268	-0.41	1.51	-0.35	-2.22e-04	0.0	3.75e-05
2537	276	-0.36	1.69	-0.31	-2.17e-04	0.0	3.54e-05
2537	298	-0.35	0.83	-0.28	-1.53e-04	0.0	2.70e-05
2537	305	-0.48	0.80	-0.27	-1.45e-04	0.0	2.74e-05
2537	307	-0.33	0.94	-0.27	-1.55e-04	0.0	2.67e-05
2537	310	-0.33	0.78	-0.27	-1.45e-04	0.0	2.56e-05
2538	44	-1.70	1.51	-0.42	-2.41e-04	0.0	5.37e-05
2538	52	-0.65	2.37	-0.49	-3.19e-04	0.0	5.03e-05
2538	68	-0.56	2.63	-0.44	-3.12e-04	0.0	4.70e-05
2538	121	8.74	5.05	-0.35	-3.57e-04	0.0	1.41e-04
2538	123	-10.35	4.25	-0.22	-3.01e-04	0.0	1.08e-04
2538	137	1.18	14.47	-0.33	-8.42e-04	0.0	2.56e-04
2538	153	9.87	5.60	-0.36	-3.85e-04	0.0	1.56e-04
2538	155	-11.59	4.70	-0.22	-3.22e-04	0.0	1.19e-04
2538	161	0.92	16.27	-0.34	-8.98e-04	0.0	5.05e-04
2538	185	9.71	5.77	-0.36	-3.93e-04	0.0	1.57e-04
2538	187	-11.41	4.86	-0.22	-3.30e-04	0.0	1.24e-04
2538	193	0.89	16.86	-0.34	-9.25e-04	0.0	5.13e-04
2538	217	11.34	6.77	-0.37	-4.43e-04	0.0	1.83e-04
2538	219	-13.21	5.70	-0.21	-3.69e-04	0.0	1.45e-04
2538	225	1.10	20.14	-0.35	-1.08e-03	0.0	6.09e-04
2538	264	-1.16	1.05	-0.30	-1.68e-04	0.0	3.72e-05
2538	268	-0.46	1.62	-0.35	-2.20e-04	0.0	3.49e-05
2538	276	-0.39	1.80	-0.32	-2.16e-04	0.0	3.27e-05
2538	298	-0.38	0.91	-0.29	-1.52e-04	0.0	2.54e-05
2538	305	-0.51	0.87	-0.27	-1.45e-04	0.0	2.59e-05
2538	307	-0.36	1.02	-0.28	-1.54e-04	0.0	2.50e-05
2538	310	-0.36	0.86	-0.28	-1.44e-04	0.0	2.40e-05
2539	4	-0.27	1.44	-0.48	-2.77e-04	0.0	2.85e-05
2539	44	-1.63	1.36	-0.41	-2.44e-04	0.0	4.16e-05
2539	68	-0.51	2.45	-0.43	-3.16e-04	0.0	3.17e-05
2539	121	8.57	4.81	-0.31	-3.85e-04	0.0	1.30e-04
2539	123	-10.09	4.03	-0.24	-3.30e-04	0.0	9.69e-05
2539	137	1.17	13.95	-0.30	-9.29e-04	0.0	2.30e-04
2539	153	9.67	5.34	-0.31	-4.17e-04	0.0	1.45e-04
2539	155	-11.30	4.46	-0.23	-3.55e-04	0.0	1.08e-04
2539	169	1.35	15.68	-0.30	-1.03e-03	0.0	2.57e-04
2539	185	9.51	5.51	-0.31	-4.25e-04	0.0	1.46e-04
2539	187	-11.13	4.62	-0.24	-3.64e-04	0.0	1.12e-04
2539	193	0.89	16.16	-0.30	-1.04e-03	0.0	4.88e-04
2539	217	11.10	6.47	-0.32	-4.82e-04	0.0	1.71e-04
2539	219	-12.89	5.42	-0.23	-4.09e-04	0.0	1.32e-04
2539	225	1.09	19.31	-0.31	-1.22e-03	0.0	5.80e-04
2539	244	-0.20	1.00	-0.34	-1.93e-04	0.0	2.00e-05
2539	264	-1.10	0.95	-0.29	-1.70e-04	0.0	2.87e-05
2539	276	-0.36	1.68	-0.30	-2.18e-04	0.0	2.22e-05
2539	298	-0.35	0.82	-0.28	-1.54e-04	0.0	1.80e-05
2539	305	-0.48	0.79	-0.27	-1.46e-04	0.0	1.88e-05
2539	307	-0.33	0.93	-0.27	-1.56e-04	0.0	1.75e-05
2539	310	-0.33	0.77	-0.27	-1.46e-04	0.0	1.70e-05
2540	4	-0.33	1.58	-0.48	-2.78e-04	0.0	2.63e-05
2540	44	-1.70	1.48	-0.42	-2.45e-04	0.0	3.97e-05
2540	68	-0.56	2.61	-0.43	-3.17e-04	0.0	2.92e-05
2540	121	8.74	4.98	-0.31	-3.56e-04	0.0	1.31e-04
2540	123	-10.35	4.19	-0.24	-3.03e-04	0.0	9.72e-05
2540	137	1.18	14.38	-0.30	-8.40e-04	0.0	2.33e-04
2540	153	9.87	5.53	-0.32	-3.84e-04	0.0	1.46e-04
2540	155	-11.59	4.64	-0.24	-3.24e-04	0.0	1.08e-04
2540	169	1.36	16.16	-0.30	-9.31e-04	0.0	2.61e-04
2540	185	9.71	5.70	-0.32	-3.91e-04	0.0	1.47e-04
2540	187	-11.41	4.80	-0.24	-3.31e-04	0.0	1.13e-04
2540	193	0.89	16.63	-0.30	-9.19e-04	0.0	4.95e-04
2540	217	11.34	6.68	-0.32	-4.40e-04	0.0	1.72e-04
2540	219	-13.21	5.62	-0.23	-3.70e-04	0.0	1.33e-04

2540	225	1.10	19.87	-0.31	-1.08e-03	0.0	5.88e-04
2540	244	-0.24	1.10	-0.34	-1.93e-04	0.0	1.85e-05
2540	264	-1.15	1.03	-0.30	-1.71e-04	0.0	2.74e-05
2540	276	-0.39	1.78	-0.31	-2.19e-04	0.0	2.04e-05
2540	298	-0.38	0.90	-0.28	-1.54e-04	0.0	1.68e-05
2540	305	-0.51	0.86	-0.27	-1.47e-04	0.0	1.77e-05
2540	307	-0.36	1.01	-0.27	-1.56e-04	0.0	1.63e-05
2540	310	-0.36	0.85	-0.27	-1.46e-04	0.0	1.59e-05
2541	4	-0.27	1.43	-0.46	-2.77e-04	0.0	1.94e-05
2541	44	-1.63	1.34	-0.40	-2.44e-04	0.0	3.33e-05
2541	68	-0.51	2.44	-0.41	-3.16e-04	0.0	2.11e-05
2541	121	8.57	4.75	-0.28	-3.81e-04	0.0	1.26e-04
2541	123	-10.09	3.97	-0.24	-3.29e-04	0.0	9.21e-05
2541	137	1.17	13.88	-0.27	-9.22e-04	0.0	2.20e-04
2541	153	9.67	5.27	-0.28	-4.12e-04	0.0	1.41e-04
2541	155	-11.30	4.40	-0.24	-3.53e-04	0.0	1.03e-04
2541	169	1.35	15.60	-0.27	-1.02e-03	0.0	2.46e-04
2541	185	9.51	5.44	-0.28	-4.21e-04	0.0	1.41e-04
2541	187	-11.13	4.56	-0.24	-3.62e-04	0.0	1.07e-04
2541	201	1.32	16.01	-0.28	-1.05e-03	0.0	2.42e-04
2541	217	11.10	6.39	-0.29	-4.77e-04	0.0	1.66e-04
2541	219	-12.89	5.35	-0.24	-4.07e-04	0.0	1.27e-04
2541	225	1.09	19.05	-0.28	-1.21e-03	0.0	5.75e-04
2541	244	-0.20	0.99	-0.32	-1.93e-04	0.0	1.37e-05
2541	264	-1.10	0.93	-0.28	-1.71e-04	0.0	2.29e-05
2541	276	-0.36	1.67	-0.29	-2.19e-04	0.0	1.48e-05
2541	298	-0.35	0.81	-0.27	-1.54e-04	0.0	1.30e-05
2541	305	-0.48	0.78	-0.26	-1.46e-04	0.0	1.40e-05
2541	307	-0.33	0.92	-0.26	-1.56e-04	0.0	1.24e-05
2541	310	-0.33	0.77	-0.26	-1.46e-04	0.0	1.23e-05
2542	44	-2.46	1.79	-0.34	0.0	4.75e-04	5.51e-04
2542	52	-0.75	2.71	-0.42	0.0	-1.69e-04	5.46e-05
2542	68	-0.64	2.96	-0.39	0.0	-1.47e-04	4.71e-05
2542	123	-10.87	4.65	-0.11	0.0	-1.52e-05	2.82e-04
2542	125	9.26	5.39	-0.49	0.0	-1.87e-04	-9.03e-05
2542	129	0.54	15.56	-0.49	0.0	-1.17e-04	4.24e-04
2542	155	-12.17	5.14	-0.10	0.0	-5.71e-06	3.14e-04
2542	157	10.46	5.96	-0.52	0.0	-1.99e-04	-1.05e-04
2542	161	0.66	17.50	-0.52	0.0	-1.19e-04	4.74e-04
2542	187	-11.98	5.31	-0.10	0.0	-6.91e-06	3.13e-04
2542	193	0.66	18.13	-0.53	0.0	-1.16e-04	4.78e-04
2542	197	1.18	17.04	-0.53	0.0	-1.67e-04	3.44e-04
2542	219	-13.86	6.21	-0.08	0.0	6.63e-06	3.62e-04
2542	225	0.84	21.64	-0.58	0.0	-1.20e-04	5.65e-04
2542	229	1.44	20.33	-0.58	0.0	-1.80e-04	4.08e-04
2542	264	-1.66	1.25	-0.25	0.0	3.12e-04	3.69e-04
2542	268	-0.52	1.86	-0.30	0.0	-1.18e-04	3.80e-05
2542	276	-0.45	2.02	-0.29	0.0	-1.03e-04	3.31e-05
2542	298	-0.43	1.08	-0.26	0.0	-9.57e-05	3.03e-05
2542	305	-0.65	1.03	-0.24	0.0	-7.85e-06	9.58e-05
2542	307	-0.41	1.19	-0.25	0.0	-9.08e-05	2.87e-05
2542	310	-0.41	1.01	-0.25	0.0	-9.08e-05	2.87e-05
2543	4	-0.33	1.57	-0.46	-2.79e-04	0.0	1.90e-05
2543	44	-1.70	1.46	-0.40	-2.46e-04	0.0	3.30e-05
2543	68	-0.56	2.60	-0.41	-3.18e-04	0.0	2.07e-05
2543	121	8.74	4.92	-0.28	-3.53e-04	0.0	1.28e-04
2543	123	-10.35	4.14	-0.24	-3.02e-04	0.0	9.39e-05
2543	137	1.18	14.31	-0.28	-8.33e-04	0.0	2.27e-04
2543	153	9.87	5.46	-0.29	-3.80e-04	0.0	1.43e-04
2543	155	-11.59	4.58	-0.24	-3.23e-04	0.0	1.05e-04
2543	169	1.37	16.08	-0.28	-9.23e-04	0.0	2.54e-04
2543	185	9.71	5.63	-0.29	-3.87e-04	0.0	1.44e-04
2543	187	-11.41	4.74	-0.24	-3.31e-04	0.0	1.09e-04
2543	201	1.33	16.50	-0.28	-9.43e-04	0.0	2.51e-04
2543	217	11.34	6.60	-0.29	-4.36e-04	0.0	1.69e-04
2543	219	-13.21	5.55	-0.24	-3.69e-04	0.0	1.30e-04
2543	225	1.10	19.60	-0.28	-1.07e-03	0.0	5.87e-04
2543	244	-0.24	1.09	-0.33	-1.94e-04	0.0	1.34e-05
2543	264	-1.15	1.02	-0.29	-1.72e-04	0.0	2.27e-05
2543	276	-0.39	1.78	-0.29	-2.20e-04	0.0	1.45e-05
2543	298	-0.38	0.89	-0.27	-1.55e-04	0.0	1.29e-05
2543	305	-0.51	0.85	-0.26	-1.47e-04	0.0	1.39e-05
2543	307	-0.36	1.00	-0.26	-1.57e-04	0.0	1.22e-05
2543	310	-0.36	0.84	-0.26	-1.47e-04	0.0	1.21e-05
2544	4	-0.28	1.42	-0.43	-2.77e-04	0.0	1.52e-05

2544	44	-1.62	1.32	-0.38	-2.43e-04	0.0	2.94e-05
2544	68	-0.51	2.43	-0.38	-3.15e-04	0.0	1.60e-05
2544	118	8.54	0.13	-0.26	-1.06e-04	0.0	2.67e-04
2544	123	-10.09	3.92	-0.24	-3.26e-04	0.0	9.06e-05
2544	137	1.17	13.81	-0.25	-9.13e-04	0.0	2.18e-04
2544	150	9.63	0.05	-0.26	-1.02e-04	0.0	2.99e-04
2544	155	-11.30	4.35	-0.23	-3.50e-04	0.0	1.01e-04
2544	169	1.35	15.53	-0.25	-1.01e-03	0.0	2.44e-04
2544	182	9.46	0.03	-0.26	-1.02e-04	0.0	2.95e-04
2544	187	-11.13	4.50	-0.23	-3.59e-04	0.0	1.06e-04
2544	201	1.32	15.93	-0.25	-1.04e-03	0.0	2.40e-04
2544	214	11.09	-0.09	-0.26	-9.56e-05	0.0	3.43e-04
2544	219	-12.89	5.28	-0.23	-4.03e-04	0.0	1.26e-04
2544	233	1.58	18.82	-0.25	-1.21e-03	0.0	2.80e-04
2544	244	-0.20	0.99	-0.31	-1.92e-04	0.0	1.07e-05
2544	264	-1.10	0.92	-0.27	-1.70e-04	0.0	2.02e-05
2544	276	-0.36	1.66	-0.27	-2.18e-04	0.0	1.13e-05
2544	298	-0.35	0.81	-0.26	-1.54e-04	0.0	1.07e-05
2544	305	-0.47	0.77	-0.25	-1.46e-04	0.0	1.18e-05
2544	307	-0.33	0.92	-0.25	-1.55e-04	0.0	1.00e-05
2544	310	-0.33	0.76	-0.25	-1.46e-04	0.0	1.00e-05
2545	4	-0.33	1.56	-0.44	-2.79e-04	0.0	1.63e-05
2545	44	-1.70	1.45	-0.39	-2.45e-04	0.0	3.04e-05
2545	68	-0.56	2.59	-0.39	-3.17e-04	0.0	1.72e-05
2545	118	8.72	0.18	-0.26	-1.11e-04	0.0	2.72e-04
2545	123	-10.35	4.08	-0.24	-3.00e-04	0.0	9.37e-05
2545	137	1.18	14.23	-0.25	-8.22e-04	0.0	2.28e-04
2545	150	9.84	0.10	-0.26	-1.07e-04	0.0	3.04e-04
2545	155	-11.59	4.52	-0.24	-3.20e-04	0.0	1.05e-04
2545	169	1.37	16.00	-0.25	-9.10e-04	0.0	2.55e-04
2545	182	9.67	0.08	-0.26	-1.07e-04	0.0	3.00e-04
2545	187	-11.41	4.68	-0.24	-3.28e-04	0.0	1.09e-04
2545	201	1.33	16.41	-0.25	-9.30e-04	0.0	2.52e-04
2545	214	11.34	-0.04	-0.26	-1.02e-04	0.0	3.49e-04
2545	219	-13.21	5.48	-0.23	-3.65e-04	0.0	1.30e-04
2545	233	1.60	19.38	-0.25	-1.08e-03	0.0	2.94e-04
2545	244	-0.24	1.08	-0.31	-1.94e-04	0.0	1.15e-05
2545	264	-1.15	1.01	-0.28	-1.71e-04	0.0	2.09e-05
2545	276	-0.39	1.77	-0.28	-2.20e-04	0.0	1.21e-05
2545	298	-0.38	0.88	-0.26	-1.55e-04	0.0	1.13e-05
2545	305	-0.51	0.84	-0.25	-1.47e-04	0.0	1.24e-05
2545	307	-0.36	1.00	-0.25	-1.56e-04	0.0	1.06e-05
2545	310	-0.36	0.83	-0.25	-1.46e-04	0.0	1.06e-05
2546	44	-1.62	1.31	-0.36	-2.42e-04	0.0	2.82e-05
2546	68	-0.51	2.42	-0.36	-3.13e-04	0.0	1.42e-05
2546	76	-0.61	1.08	-0.41	-2.54e-04	0.0	1.82e-05
2546	123	-10.09	3.87	-0.23	-3.23e-04	0.0	9.12e-05
2546	137	1.17	13.74	-0.22	-9.02e-04	0.0	2.21e-04
2546	140	-1.83	-12.23	-0.25	6.12e-04	0.0	-2.02e-04
2546	155	-11.30	4.29	-0.23	-3.47e-04	0.0	1.02e-04
2546	169	1.35	15.45	-0.21	-1.00e-03	0.0	2.47e-04
2546	172	-2.01	-13.94	-0.25	7.12e-04	0.0	-2.28e-04
2546	187	-11.13	4.44	-0.23	-3.55e-04	0.0	1.07e-04
2546	201	1.32	15.85	-0.21	-1.02e-03	0.0	2.44e-04
2546	204	-1.97	-14.34	-0.25	7.34e-04	0.0	-2.25e-04
2546	219	-12.89	5.21	-0.23	-3.99e-04	0.0	1.27e-04
2546	233	1.58	18.73	-0.21	-1.19e-03	0.0	2.85e-04
2546	236	-2.24	-17.22	-0.25	9.01e-04	0.0	-2.66e-04
2546	264	-1.10	0.91	-0.26	-1.69e-04	0.0	1.94e-05
2546	276	-0.36	1.65	-0.26	-2.17e-04	0.0	1.00e-05
2546	280	-0.42	0.76	-0.29	-1.77e-04	0.0	1.27e-05
2546	298	-0.35	0.80	-0.24	-1.53e-04	0.0	1.00e-05
2546	305	-0.47	0.76	-0.23	-1.45e-04	0.0	1.11e-05
2546	307	-0.33	0.91	-0.23	-1.54e-04	0.0	9.27e-06
2546	310	-0.33	0.75	-0.23	-1.45e-04	0.0	9.38e-06
2547	44	-1.70	1.43	-0.37	-2.43e-04	0.0	3.01e-05
2547	68	-0.56	2.58	-0.36	-3.15e-04	0.0	1.65e-05
2547	76	-0.67	1.21	-0.41	-2.55e-04	0.0	2.00e-05
2547	123	-10.35	4.03	-0.23	-2.97e-04	0.0	9.50e-05
2547	137	1.18	14.16	-0.22	-8.09e-04	0.0	2.32e-04
2547	140	-1.90	-12.51	-0.25	5.18e-04	0.0	-2.11e-04
2547	155	-11.59	4.46	-0.23	-3.17e-04	0.0	1.06e-04
2547	169	1.37	15.91	-0.22	-8.96e-04	0.0	2.60e-04
2547	172	-2.09	-14.26	-0.25	6.05e-04	0.0	-2.39e-04
2547	187	-11.42	4.61	-0.23	-3.24e-04	0.0	1.11e-04

2547	201	1.33	16.33	-0.22	-9.15e-04	0.0	2.57e-04
2547	204	-2.05	-14.67	-0.25	6.24e-04	0.0	-2.36e-04
2547	219	-13.21	5.40	-0.23	-3.61e-04	0.0	1.32e-04
2547	233	1.60	19.28	-0.21	-1.06e-03	0.0	3.00e-04
2547	236	-2.32	-17.62	-0.26	7.71e-04	0.0	-2.79e-04
2547	264	-1.15	0.99	-0.26	-1.70e-04	0.0	2.06e-05
2547	276	-0.39	1.76	-0.26	-2.18e-04	0.0	1.16e-05
2547	280	-0.47	0.85	-0.29	-1.78e-04	0.0	1.39e-05
2547	298	-0.38	0.88	-0.24	-1.53e-04	0.0	1.11e-05
2547	305	-0.51	0.84	-0.23	-1.46e-04	0.0	1.22e-05
2547	307	-0.36	0.99	-0.23	-1.55e-04	0.0	1.04e-05
2547	310	-0.36	0.83	-0.23	-1.45e-04	0.0	1.04e-05
2548	28	-1.26	1.47	-0.38	-2.74e-04	0.0	2.61e-05
2548	44	-1.62	1.29	-0.34	-2.40e-04	0.0	2.85e-05
2548	68	-0.51	2.42	-0.33	-3.11e-04	0.0	1.37e-05
2548	123	-10.09	3.82	-0.22	-3.19e-04	0.0	9.30e-05
2548	137	1.17	13.68	-0.18	-8.90e-04	0.0	2.27e-04
2548	144	-2.06	-11.40	-0.25	5.59e-04	0.0	-1.25e-04
2548	155	-11.30	4.23	-0.22	-3.43e-04	0.0	1.04e-04
2548	169	1.35	15.38	-0.17	-9.88e-04	0.0	2.54e-04
2548	176	-2.28	-13.00	-0.26	6.51e-04	0.0	-1.43e-04
2548	187	-11.13	4.38	-0.22	-3.51e-04	0.0	1.09e-04
2548	201	1.32	15.77	-0.17	-1.01e-03	0.0	2.52e-04
2548	208	-2.24	-13.37	-0.26	6.71e-04	0.0	-1.41e-04
2548	219	-12.89	5.13	-0.22	-3.94e-04	0.0	1.30e-04
2548	233	1.58	18.63	-0.16	-1.17e-03	0.0	2.94e-04
2548	240	-2.54	-16.05	-0.27	8.26e-04	0.0	-1.67e-04
2548	256	-0.86	1.02	-0.27	-1.91e-04	0.0	1.80e-05
2548	264	-1.10	0.90	-0.24	-1.67e-04	0.0	1.96e-05
2548	276	-0.36	1.65	-0.23	-2.15e-04	0.0	9.72e-06
2548	298	-0.35	0.79	-0.22	-1.51e-04	0.0	1.02e-05
2548	305	-0.47	0.76	-0.22	-1.44e-04	0.0	1.13e-05
2548	307	-0.33	0.91	-0.21	-1.53e-04	0.0	9.34e-06
2548	310	-0.33	0.75	-0.22	-1.43e-04	0.0	9.54e-06
2549	28	-1.34	1.60	-0.38	-2.75e-04	0.0	2.87e-05
2549	44	-1.70	1.41	-0.34	-2.41e-04	0.0	3.08e-05
2549	68	-0.56	2.57	-0.33	-3.12e-04	0.0	1.67e-05
2549	123	-10.35	3.98	-0.22	-2.94e-04	0.0	9.71e-05
2549	137	1.18	14.09	-0.18	-7.96e-04	0.0	2.39e-04
2549	144	-2.14	-11.64	-0.26	4.71e-04	0.0	-1.33e-04
2549	155	-11.59	4.40	-0.22	-3.14e-04	0.0	1.09e-04
2549	169	1.37	15.83	-0.17	-8.81e-04	0.0	2.68e-04
2549	176	-2.36	-13.28	-0.26	5.51e-04	0.0	-1.51e-04
2549	187	-11.42	4.55	-0.22	-3.21e-04	0.0	1.14e-04
2549	201	1.33	16.24	-0.17	-9.00e-04	0.0	2.66e-04
2549	208	-2.32	-13.67	-0.26	5.69e-04	0.0	-1.50e-04
2549	219	-13.21	5.33	-0.22	-3.57e-04	0.0	1.35e-04
2549	233	1.60	19.17	-0.17	-1.04e-03	0.0	3.10e-04
2549	240	-2.63	-16.42	-0.27	7.04e-04	0.0	-1.78e-04
2549	256	-0.91	1.11	-0.27	-1.91e-04	0.0	1.98e-05
2549	264	-1.15	0.98	-0.24	-1.68e-04	0.0	2.12e-05
2549	276	-0.39	1.76	-0.24	-2.16e-04	0.0	1.17e-05
2549	298	-0.38	0.87	-0.23	-1.52e-04	0.0	1.16e-05
2549	305	-0.51	0.83	-0.22	-1.44e-04	0.0	1.26e-05
2549	307	-0.36	0.99	-0.22	-1.54e-04	0.0	1.08e-05
2549	310	-0.36	0.82	-0.22	-1.44e-04	0.0	1.09e-05
2550	28	-1.26	1.45	-0.34	-2.71e-04	0.0	2.68e-05
2550	44	-1.62	1.28	-0.31	-2.37e-04	0.0	2.91e-05
2550	68	-0.51	2.41	-0.29	-3.08e-04	0.0	1.28e-05
2550	123	-10.09	3.77	-0.21	-3.15e-04	0.0	9.51e-05
2550	137	1.17	13.61	-0.12	-8.77e-04	0.0	2.36e-04
2550	144	-2.06	-11.34	-0.27	5.51e-04	0.0	-1.35e-04
2550	155	-11.30	4.17	-0.21	-3.38e-04	0.0	1.07e-04
2550	169	1.35	15.30	-0.11	-9.74e-04	0.0	2.64e-04
2550	176	-2.28	-12.93	-0.28	6.41e-04	0.0	-1.53e-04
2550	187	-11.13	4.32	-0.21	-3.46e-04	0.0	1.11e-04
2550	201	1.32	15.69	-0.11	-9.95e-04	0.0	2.63e-04
2550	208	-2.24	-13.30	-0.28	6.61e-04	0.0	-1.52e-04
2550	219	-12.89	5.06	-0.21	-3.88e-04	0.0	1.33e-04
2550	233	1.58	18.53	-0.09	-1.16e-03	0.0	3.07e-04
2550	240	-2.54	-15.97	-0.30	8.13e-04	0.0	-1.81e-04
2550	256	-0.86	1.01	-0.24	-1.89e-04	0.0	1.84e-05
2550	264	-1.10	0.89	-0.22	-1.66e-04	0.0	2.00e-05
2550	276	-0.36	1.64	-0.21	-2.13e-04	0.0	9.13e-06
2550	298	-0.35	0.79	-0.20	-1.50e-04	0.0	1.05e-05

2550	305	-0.47	0.75	-0.20	-1.42e-04	0.0	1.16e-05
2550	307	-0.33	0.90	-0.19	-1.52e-04	0.0	9.48e-06
2550	310	-0.33	0.74	-0.19	-1.42e-04	0.0	9.87e-06
2551	28	-1.34	1.59	-0.34	-2.73e-04	0.0	2.94e-05
2551	44	-1.69	1.39	-0.31	-2.38e-04	0.0	3.14e-05
2551	68	-0.56	2.56	-0.29	-3.09e-04	0.0	1.61e-05
2551	123	-10.35	3.92	-0.21	-2.91e-04	0.0	9.92e-05
2551	137	1.18	14.01	-0.12	-7.85e-04	0.0	2.47e-04
2551	144	-2.14	-11.58	-0.27	4.62e-04	0.0	-1.41e-04
2551	155	-11.60	4.34	-0.21	-3.11e-04	0.0	1.11e-04
2551	169	1.37	15.74	-0.11	-8.69e-04	0.0	2.77e-04
2551	176	-2.36	-13.21	-0.28	5.42e-04	0.0	-1.60e-04
2551	187	-11.42	4.49	-0.21	-3.18e-04	0.0	1.16e-04
2551	201	1.33	16.15	-0.11	-8.87e-04	0.0	2.76e-04
2551	208	-2.32	-13.59	-0.28	5.59e-04	0.0	-1.60e-04
2551	219	-13.21	5.25	-0.21	-3.54e-04	0.0	1.38e-04
2551	233	1.61	19.06	-0.09	-1.03e-03	0.0	3.22e-04
2551	240	-2.63	-16.33	-0.30	6.92e-04	0.0	-1.91e-04
2551	256	-0.91	1.10	-0.24	-1.89e-04	0.0	2.02e-05
2551	264	-1.15	0.97	-0.22	-1.67e-04	0.0	2.16e-05
2551	276	-0.39	1.75	-0.21	-2.14e-04	0.0	1.14e-05
2551	298	-0.38	0.86	-0.20	-1.50e-04	0.0	1.19e-05
2551	305	-0.51	0.82	-0.20	-1.43e-04	0.0	1.30e-05
2551	307	-0.36	0.98	-0.19	-1.52e-04	0.0	1.09e-05
2551	310	-0.36	0.82	-0.20	-1.43e-04	0.0	1.12e-05
2552	28	-1.26	1.44	-0.30	-2.69e-04	0.0	2.64e-05
2552	44	-1.62	1.26	-0.27	-2.35e-04	0.0	2.88e-05
2552	68	-0.51	2.40	-0.24	-3.05e-04	0.0	9.79e-06
2552	123	-10.09	3.71	-0.21	-3.11e-04	0.0	9.64e-05
2552	137	1.17	13.53	-0.04	-8.67e-04	0.0	2.45e-04
2552	144	-2.06	-11.28	-0.30	5.43e-04	0.0	-1.46e-04
2552	155	-11.30	4.11	-0.21	-3.34e-04	0.0	1.08e-04
2552	169	1.35	15.21	-0.02	-9.62e-04	0.0	2.75e-04
2552	176	-2.28	-12.86	-0.32	6.32e-04	0.0	-1.65e-04
2552	187	-11.13	4.25	-0.21	-3.41e-04	0.0	1.13e-04
2552	201	1.32	15.60	-0.02	-9.83e-04	0.0	2.74e-04
2552	208	-2.24	-13.22	-0.32	6.52e-04	0.0	-1.65e-04
2552	219	-12.89	4.99	-0.21	-3.83e-04	0.0	1.35e-04
2552	233	1.58	18.42	8.11e-03	-1.14e-03	0.0	3.21e-04
2552	240	-2.54	-15.87	-0.35	8.02e-04	0.0	-1.97e-04
2552	256	-0.86	1.00	-0.21	-1.87e-04	0.0	1.81e-05
2552	264	-1.10	0.88	-0.20	-1.64e-04	0.0	1.98e-05
2552	276	-0.35	1.64	-0.18	-2.11e-04	0.0	7.10e-06
2552	298	-0.35	0.78	-0.18	-1.48e-04	0.0	1.03e-05
2552	305	-0.47	0.75	-0.17	-1.41e-04	0.0	1.15e-05
2552	307	-0.33	0.90	-0.17	-1.50e-04	0.0	8.93e-06
2552	310	-0.33	0.74	-0.17	-1.41e-04	0.0	9.67e-06
2553	28	-1.33	1.57	-0.30	-2.70e-04	0.0	2.76e-05
2553	44	-1.69	1.38	-0.28	-2.36e-04	0.0	2.99e-05
2553	68	-0.56	2.55	-0.25	-3.05e-04	0.0	1.22e-05
2553	123	-10.36	3.86	-0.21	-2.90e-04	0.0	9.95e-05
2553	137	1.18	13.93	-0.04	-7.76e-04	0.0	2.52e-04
2553	144	-2.14	-11.51	-0.31	4.57e-04	0.0	-1.49e-04
2553	155	-11.60	4.27	-0.21	-3.09e-04	0.0	1.11e-04
2553	169	1.37	15.65	-0.02	-8.60e-04	0.0	2.83e-04
2553	176	-2.36	-13.13	-0.32	5.36e-04	0.0	-1.69e-04
2553	187	-11.42	4.42	-0.21	-3.16e-04	0.0	1.17e-04
2553	201	1.33	16.05	-0.02	-8.78e-04	0.0	2.82e-04
2553	208	-2.32	-13.51	-0.33	5.52e-04	0.0	-1.69e-04
2553	219	-13.22	5.17	-0.22	-3.52e-04	0.0	1.39e-04
2553	233	1.61	18.95	9.82e-03	-1.02e-03	0.0	3.30e-04
2553	240	-2.63	-16.23	-0.36	6.84e-04	0.0	-2.01e-04
2553	256	-0.91	1.09	-0.21	-1.88e-04	0.0	1.90e-05
2553	264	-1.15	0.96	-0.20	-1.65e-04	0.0	2.05e-05
2553	276	-0.39	1.74	-0.18	-2.11e-04	0.0	8.71e-06
2553	298	-0.38	0.86	-0.18	-1.49e-04	0.0	1.10e-05
2553	305	-0.51	0.82	-0.17	-1.41e-04	0.0	1.21e-05
2553	307	-0.36	0.97	-0.17	-1.51e-04	0.0	9.75e-06
2553	310	-0.36	0.81	-0.17	-1.41e-04	0.0	1.03e-05
2554	44	-2.22	1.78	-0.34	0.0	4.74e-04	3.43e-04
2554	52	-0.83	2.70	-0.42	0.0	-1.69e-04	6.13e-05
2554	68	-0.71	2.95	-0.39	0.0	-1.47e-04	5.29e-05
2554	123	-10.87	4.66	-0.11	0.0	-1.18e-05	2.00e-04
2554	125	9.17	5.40	-0.49	0.0	-1.90e-04	1.33e-06
2554	129	0.52	15.60	-0.48	0.0	-1.17e-04	4.44e-04

2554	155	-12.17	5.15	-0.10	0.0	-1.89e-06	2.21e-04
2554	157	10.37	5.97	-0.52	0.0	-2.03e-04	-2.34e-06
2554	161	0.64	17.55	-0.51	0.0	-1.20e-04	4.97e-04
2554	187	-11.97	5.32	-0.10	0.0	-3.15e-06	2.21e-04
2554	193	0.63	18.18	-0.52	0.0	-1.17e-04	5.03e-04
2554	197	1.13	17.08	-0.52	0.0	-1.69e-04	3.81e-04
2554	219	-13.84	6.22	-0.08	0.0	1.10e-05	2.56e-04
2554	225	0.82	21.70	-0.58	0.0	-1.21e-04	5.94e-04
2554	229	1.39	20.38	-0.58	0.0	-1.81e-04	4.52e-04
2554	264	-1.50	1.24	-0.25	0.0	3.11e-04	2.30e-04
2554	268	-0.58	1.85	-0.30	0.0	-1.18e-04	4.27e-05
2554	276	-0.50	2.02	-0.28	0.0	-1.03e-04	3.71e-05
2554	298	-0.48	1.07	-0.26	0.0	-9.57e-05	3.40e-05
2554	305	-0.65	1.03	-0.24	0.0	-7.93e-06	7.08e-05
2554	307	-0.45	1.18	-0.25	0.0	-9.08e-05	3.21e-05
2554	310	-0.45	1.01	-0.25	0.0	-9.08e-05	3.21e-05
2555	44	-1.94	1.81	-0.42	0.0	1.54e-04	1.29e-04
2555	52	-0.88	2.73	-0.54	0.0	-1.60e-04	6.75e-05
2555	68	-0.75	2.98	-0.51	0.0	-1.39e-04	5.83e-05
2555	123	-10.85	4.71	-0.22	0.0	-1.62e-04	1.07e-04
2555	129	0.60	15.76	-0.82	0.0	-8.03e-05	4.68e-04
2555	155	-12.14	5.20	-0.21	0.0	-1.72e-04	1.17e-04
2555	161	0.73	17.72	-0.89	0.0	-7.96e-05	5.24e-04
2555	187	-11.95	5.38	-0.22	0.0	-1.70e-04	1.21e-04
2555	193	0.72	18.36	-0.91	0.0	-7.96e-05	5.32e-04
2555	219	-13.81	6.28	-0.22	0.0	-1.84e-04	1.40e-04
2555	225	0.93	21.92	-1.03	0.0	-7.92e-05	6.28e-04
2555	264	-1.32	1.26	-0.31	0.0	9.80e-05	8.79e-05
2555	268	-0.61	1.87	-0.38	0.0	-1.11e-04	4.69e-05
2555	276	-0.53	2.04	-0.36	0.0	-9.75e-05	4.08e-05
2555	298	-0.50	1.08	-0.31	0.0	-9.06e-05	3.73e-05
2555	305	-0.63	1.04	-0.29	0.0	-4.68e-05	4.47e-05
2555	307	-0.48	1.20	-0.31	0.0	-8.59e-05	3.53e-05
2555	310	-0.48	1.02	-0.30	0.0	-8.60e-05	3.52e-05
2556	4	-0.15	1.90	-0.29	0.0	-4.64e-04	-9.50e-05
2556	44	-2.82	1.79	-0.23	0.0	7.95e-04	5.47e-04
2556	68	-0.67	2.96	-0.26	0.0	-1.56e-04	4.72e-05
2556	122	10.13	-2.62	-0.38	0.0	-2.52e-04	-1.09e-04
2556	123	-10.98	4.65	0.01	0.0	6.04e-05	1.67e-04
2556	129	0.42	15.56	-0.13	0.0	-1.64e-04	4.34e-04
2556	154	11.43	-3.11	-0.40	0.0	-2.71e-04	-1.27e-04
2556	155	-12.28	5.14	0.04	0.0	7.99e-05	1.84e-04
2556	161	0.52	17.50	-0.12	0.0	-1.71e-04	4.85e-04
2556	186	11.24	-3.28	-0.40	0.0	-2.69e-04	-1.27e-04
2556	187	-12.09	5.32	0.03	0.0	7.74e-05	1.85e-04
2556	193	0.52	18.14	-0.11	0.0	-1.64e-04	4.91e-04
2556	218	13.13	-4.18	-0.44	0.0	-2.97e-04	-1.56e-04
2556	219	-13.98	6.21	0.07	0.0	1.06e-04	2.14e-04
2556	225	0.68	21.65	-0.10	0.0	-1.75e-04	5.80e-04
2556	244	-0.12	1.32	-0.21	0.0	-3.14e-04	-6.17e-05
2556	264	-1.90	1.25	-0.17	0.0	5.25e-04	3.66e-04
2556	276	-0.47	2.03	-0.19	0.0	-1.09e-04	3.31e-05
2556	298	-0.45	1.08	-0.19	0.0	-1.01e-04	3.04e-05
2556	305	-0.71	1.03	-0.18	0.0	3.09e-05	9.53e-05
2556	307	-0.42	1.19	-0.18	0.0	-9.58e-05	2.87e-05
2556	310	-0.43	1.02	-0.18	0.0	-9.57e-05	2.87e-05
2557	44	-1.98	1.81	-0.34	0.0	4.71e-04	1.31e-04
2557	52	-0.92	2.73	-0.42	0.0	-1.69e-04	6.75e-05
2557	68	-0.79	2.98	-0.39	0.0	-1.47e-04	5.83e-05
2557	123	-10.87	4.71	-0.11	0.0	-8.74e-06	1.06e-04
2557	125	9.08	5.45	-0.49	0.0	-1.93e-04	1.04e-04
2557	129	0.49	15.76	-0.48	0.0	-1.18e-04	4.67e-04
2557	155	-12.15	5.20	-0.10	0.0	1.51e-06	1.15e-04
2557	157	10.27	6.04	-0.52	0.0	-2.06e-04	1.13e-04
2557	161	0.61	17.72	-0.51	0.0	-1.21e-04	5.22e-04
2557	187	-11.96	5.38	-0.10	0.0	0.0	1.20e-04
2557	193	0.60	18.36	-0.52	0.0	-1.17e-04	5.30e-04
2557	197	1.08	17.25	-0.52	0.0	-1.70e-04	4.23e-04
2557	219	-13.82	6.28	-0.08	0.0	1.49e-05	1.38e-04
2557	225	0.79	21.92	-0.58	0.0	-1.21e-04	6.26e-04
2557	229	1.34	20.58	-0.58	0.0	-1.82e-04	5.01e-04
2557	264	-1.35	1.26	-0.25	0.0	3.09e-04	8.89e-05
2557	268	-0.64	1.88	-0.30	0.0	-1.18e-04	4.70e-05
2557	276	-0.55	2.04	-0.28	0.0	-1.03e-04	4.08e-05
2557	298	-0.53	1.09	-0.26	0.0	-9.56e-05	3.74e-05

2557	305	-0.66	1.04	-0.24	0.0	-8.22e-06	4.50e-05
2557	307	-0.50	1.20	-0.25	0.0	-9.07e-05	3.54e-05
2557	310	-0.50	1.02	-0.25	0.0	-9.07e-05	3.53e-05
2558	44	-0.73	0.29	-0.32	0.0	-1.75e-04	2.53e-05
2558	68	-0.07	0.90	-0.25	0.0	-6.67e-05	1.45e-06
2558	76	-0.09	0.13	-0.37	0.0	-7.82e-05	8.86e-06
2558	123	-5.47	1.91	-0.09	0.0	-1.35e-03	8.29e-05
2558	137	0.65	6.26	0.39	0.0	1.17e-04	-2.09e-06
2558	140	-0.75	-5.92	-0.79	0.0	-2.02e-04	1.04e-05
2558	155	-6.14	2.14	-0.07	0.0	-1.51e-03	9.27e-05
2558	169	0.74	7.06	0.47	0.0	1.37e-04	-2.83e-06
2558	172	-0.84	-6.72	-0.87	0.0	-2.21e-04	1.12e-05
2558	187	-6.04	2.20	-0.07	0.0	-1.49e-03	9.15e-05
2558	201	0.73	7.23	0.49	0.0	1.36e-04	0.0
2558	204	-0.83	-6.89	-0.89	0.0	-2.20e-04	9.29e-06
2558	219	-7.01	2.61	-0.04	0.0	-1.72e-03	1.07e-04
2558	233	0.86	8.57	0.62	0.0	1.67e-04	-1.29e-06
2558	236	-0.96	-8.23	-1.02	0.0	-2.51e-04	9.63e-06
2558	264	-0.49	0.20	-0.23	0.0	-1.19e-04	1.70e-05
2558	276	-0.05	0.61	-0.18	0.0	-4.67e-05	1.14e-06
2558	280	-0.06	0.10	-0.26	0.0	-5.44e-05	6.09e-06
2558	298	-0.05	0.18	-0.21	0.0	-4.47e-05	4.52e-06
2558	305	-0.14	0.17	-0.20	0.0	-5.66e-05	6.75e-06
2558	307	-0.05	0.25	-0.19	0.0	-4.22e-05	3.57e-06
2558	310	-0.05	0.17	-0.20	0.0	-4.23e-05	4.17e-06
2559	44	-0.92	0.39	-0.41	0.0	-1.96e-04	4.95e-05
2559	68	-0.15	1.16	-0.33	0.0	-7.88e-05	9.21e-06
2559	76	-0.19	0.20	-0.47	0.0	-9.56e-05	2.29e-05
2559	123	-6.87	2.46	-0.14	0.0	-1.23e-03	1.19e-04
2559	137	0.77	8.14	0.39	0.0	1.01e-04	6.22e-06
2559	140	-0.97	-7.68	-0.90	0.0	-2.04e-04	1.65e-05
2559	155	-7.71	2.75	-0.13	0.0	-1.38e-03	1.32e-04
2559	169	0.87	9.17	0.47	0.0	1.20e-04	5.76e-06
2559	172	-1.07	-8.71	-0.99	0.0	-2.22e-04	1.69e-05
2559	187	-7.58	2.84	-0.12	0.0	-1.36e-03	1.30e-04
2559	201	0.87	9.40	0.49	0.0	1.18e-04	9.26e-06
2559	204	-1.07	-8.94	-1.00	0.0	-2.21e-04	1.34e-05
2559	219	-8.79	3.37	-0.09	0.0	-1.57e-03	1.51e-04
2559	233	1.03	11.14	0.64	0.0	1.47e-04	1.01e-05
2559	236	-1.23	-10.68	-1.15	0.0	-2.50e-04	1.26e-05
2559	264	-0.62	0.27	-0.29	0.0	-1.33e-04	3.36e-05
2559	276	-0.10	0.78	-0.24	0.0	-5.51e-05	6.69e-06
2559	280	-0.13	0.14	-0.33	0.0	-6.63e-05	1.58e-05
2559	298	-0.11	0.25	-0.27	0.0	-5.44e-05	1.22e-05
2559	305	-0.20	0.23	-0.26	0.0	-6.66e-05	1.57e-05
2559	307	-0.10	0.34	-0.25	0.0	-5.10e-05	1.03e-05
2559	310	-0.10	0.23	-0.26	0.0	-5.13e-05	1.13e-05
2560	44	-1.02	0.43	-0.44	0.0	-2.02e-04	4.88e-05
2560	68	-0.19	1.27	-0.35	0.0	-7.81e-05	8.04e-06
2560	76	-0.24	0.22	-0.50	0.0	-9.67e-05	2.14e-05
2560	123	-7.47	2.71	-0.16	0.0	-1.16e-03	2.86e-05
2560	137	0.82	9.01	0.36	0.0	3.24e-04	7.11e-06
2560	140	-1.07	-8.50	-0.90	0.0	-4.28e-04	1.40e-05
2560	155	-8.38	3.03	-0.15	0.0	-1.29e-03	3.14e-05
2560	169	0.93	10.15	0.44	0.0	3.71e-04	6.81e-06
2560	172	-1.19	-9.65	-0.98	0.0	-4.74e-04	1.43e-05
2560	187	-8.24	3.13	-0.14	0.0	-1.27e-03	3.64e-05
2560	201	0.92	10.41	0.46	0.0	3.62e-04	9.88e-06
2560	204	-1.18	-9.91	-1.00	0.0	-4.65e-04	1.12e-05
2560	219	-9.56	3.71	-0.11	0.0	-1.47e-03	4.34e-05
2560	233	1.10	12.33	0.60	0.0	4.30e-04	1.07e-05
2560	236	-1.36	-11.83	-1.14	0.0	-5.33e-04	1.03e-05
2560	264	-0.69	0.30	-0.31	0.0	-1.37e-04	3.30e-05
2560	276	-0.13	0.86	-0.25	0.0	-5.47e-05	5.89e-06
2560	280	-0.16	0.15	-0.35	0.0	-6.71e-05	1.48e-05
2560	298	-0.13	0.27	-0.28	0.0	-5.49e-05	1.13e-05
2560	305	-0.24	0.25	-0.27	0.0	-6.78e-05	1.49e-05
2560	307	-0.13	0.37	-0.26	0.0	-5.13e-05	9.52e-06
2560	310	-0.13	0.25	-0.27	0.0	-5.18e-05	1.05e-05
2561	28	-1.05	0.95	-0.37	0.0	-1.76e-04	1.63e-05
2561	44	-1.39	0.82	-0.35	0.0	-1.78e-04	1.99e-05
2561	68	-0.36	1.88	-0.32	0.0	-1.25e-04	9.90e-06
2561	123	-9.39	3.00	-0.44	0.0	-7.63e-04	2.21e-04
2561	127	-9.28	3.30	-0.45	0.0	-7.55e-04	1.71e-04
2561	137	1.11	11.66	-0.28	0.0	1.86e-05	1.92e-04

2561	155	-10.53	3.34	-0.47	0.0	-8.48e-04	2.48e-04
2561	159	-10.41	3.67	-0.48	0.0	-8.39e-04	1.91e-04
2561	169	1.27	13.12	-0.29	0.0	3.04e-05	2.16e-04
2561	187	-10.37	3.45	-0.47	0.0	-8.34e-04	2.47e-04
2561	191	-10.25	3.76	-0.48	0.0	-8.25e-04	1.88e-04
2561	201	1.24	13.45	-0.29	0.0	2.90e-05	2.13e-04
2561	219	-12.01	4.07	-0.52	0.0	-9.57e-04	2.90e-04
2561	223	-11.87	4.39	-0.52	0.0	-9.46e-04	2.18e-04
2561	233	1.49	15.90	-0.31	0.0	4.71e-05	2.50e-04
2561	256	-0.71	0.66	-0.26	0.0	-1.21e-04	1.13e-05
2561	264	-0.94	0.57	-0.25	0.0	-1.23e-04	1.37e-05
2561	276	-0.25	1.28	-0.23	0.0	-8.76e-05	7.02e-06
2561	298	-0.25	0.52	-0.21	0.0	-8.18e-05	5.25e-06
2561	305	-0.37	0.49	-0.21	0.0	-8.46e-05	6.53e-06
2561	307	-0.23	0.64	-0.20	0.0	-7.76e-05	5.19e-06
2561	310	-0.24	0.49	-0.20	0.0	-7.77e-05	5.08e-06
2562	28	-1.14	1.10	-0.38	0.0	-1.71e-04	2.46e-05
2562	44	-1.48	0.95	-0.36	0.0	-1.73e-04	2.47e-05
2562	68	-0.43	2.06	-0.33	0.0	-1.21e-04	1.99e-05
2562	123	-9.79	3.19	-0.46	0.0	-6.86e-04	3.32e-04
2562	127	-9.68	3.50	-0.46	0.0	-6.79e-04	2.79e-04
2562	137	1.12	12.22	-0.28	0.0	1.28e-05	2.01e-04
2562	155	-10.97	3.54	-0.49	0.0	-7.62e-04	3.72e-04
2562	159	-10.85	3.89	-0.49	0.0	-7.54e-04	3.13e-04
2562	169	1.29	13.75	-0.29	0.0	2.36e-05	2.25e-04
2562	187	-10.80	3.66	-0.49	0.0	-7.49e-04	3.69e-04
2562	191	-10.68	3.98	-0.49	0.0	-7.41e-04	3.08e-04
2562	201	1.26	14.10	-0.30	0.0	2.24e-05	2.21e-04
2562	219	-12.51	4.31	-0.53	0.0	-8.58e-04	4.31e-04
2562	223	-12.37	4.64	-0.54	0.0	-8.49e-04	3.56e-04
2562	233	1.52	16.66	-0.32	0.0	3.89e-05	2.58e-04
2562	256	-0.77	0.76	-0.27	0.0	-1.18e-04	1.71e-05
2562	264	-1.00	0.66	-0.26	0.0	-1.20e-04	1.72e-05
2562	276	-0.30	1.40	-0.24	0.0	-8.50e-05	1.40e-05
2562	298	-0.29	0.60	-0.22	0.0	-7.91e-05	1.14e-05
2562	305	-0.42	0.57	-0.21	0.0	-8.20e-05	1.17e-05
2562	307	-0.28	0.72	-0.21	0.0	-7.50e-05	1.11e-05
2562	310	-0.28	0.57	-0.21	0.0	-7.51e-05	1.09e-05
2563	28	-1.23	1.25	-0.39	0.0	-1.67e-04	3.56e-05
2563	44	-1.58	1.09	-0.37	0.0	-1.70e-04	3.25e-05
2563	68	-0.49	2.23	-0.34	0.0	-1.19e-04	3.09e-05
2563	123	-10.14	3.38	-0.47	0.0	-5.80e-04	3.84e-04
2563	127	-10.02	3.70	-0.47	0.0	-5.74e-04	3.30e-04
2563	137	1.13	12.79	-0.29	0.0	2.35e-06	2.05e-04
2563	155	-11.35	3.74	-0.50	0.0	-6.43e-04	4.30e-04
2563	159	-11.22	4.11	-0.50	0.0	-6.36e-04	3.68e-04
2563	169	1.30	14.38	-0.29	0.0	1.17e-05	2.28e-04
2563	187	-11.18	3.87	-0.49	0.0	-6.32e-04	4.26e-04
2563	191	-11.05	4.20	-0.50	0.0	-6.26e-04	3.62e-04
2563	201	1.27	14.74	-0.30	0.0	1.06e-05	2.24e-04
2563	219	-12.94	4.54	-0.54	0.0	-7.23e-04	4.97e-04
2563	223	-12.79	4.88	-0.55	0.0	-7.15e-04	4.18e-04
2563	233	1.54	17.41	-0.32	0.0	2.49e-05	2.59e-04
2563	256	-0.84	0.87	-0.28	0.0	-1.15e-04	2.48e-05
2563	264	-1.07	0.76	-0.26	0.0	-1.17e-04	2.28e-05
2563	276	-0.34	1.52	-0.24	0.0	-8.33e-05	2.17e-05
2563	298	-0.34	0.69	-0.22	0.0	-7.71e-05	1.87e-05
2563	305	-0.46	0.65	-0.22	0.0	-8.01e-05	1.82e-05
2563	307	-0.32	0.80	-0.22	0.0	-7.33e-05	1.80e-05
2563	310	-0.32	0.65	-0.21	0.0	-7.33e-05	1.78e-05
2564	28	-1.04	0.95	-0.33	0.0	-1.86e-04	2.24e-05
2564	44	-1.38	0.82	-0.32	0.0	-1.87e-04	2.70e-05
2564	68	-0.36	1.88	-0.26	0.0	-1.30e-04	1.68e-05
2564	123	-9.32	3.00	-0.45	0.0	-6.73e-04	2.63e-04
2564	128	-8.63	-2.92	-0.51	0.0	-6.28e-04	1.16e-04
2564	137	1.13	11.65	-4.51e-05	0.0	5.43e-06	2.26e-04
2564	155	-10.45	3.33	-0.49	0.0	-7.46e-04	2.96e-04
2564	160	-9.67	-3.36	-0.55	0.0	-6.95e-04	1.29e-04
2564	169	1.29	13.11	0.02	0.0	1.62e-05	2.53e-04
2564	187	-10.29	3.45	-0.48	0.0	-7.34e-04	2.95e-04
2564	192	-9.52	-3.46	-0.55	0.0	-6.84e-04	1.25e-04
2564	201	1.26	13.44	0.03	0.0	1.45e-05	2.53e-04
2564	219	-11.92	4.07	-0.53	0.0	-8.40e-04	3.46e-04
2564	224	-11.03	-4.21	-0.61	0.0	-7.82e-04	1.43e-04
2564	233	1.50	15.89	0.06	0.0	3.06e-05	2.97e-04

2564	256	-0.70	0.65	-0.24	0.0	-1.28e-04	1.55e-05
2564	264	-0.93	0.57	-0.23	0.0	-1.29e-04	1.86e-05
2564	276	-0.25	1.28	-0.19	0.0	-9.10e-05	1.18e-05
2564	298	-0.25	0.52	-0.19	0.0	-8.70e-05	7.64e-06
2564	305	-0.37	0.49	-0.19	0.0	-8.97e-05	9.25e-06
2564	307	-0.23	0.63	-0.18	0.0	-8.20e-05	7.89e-06
2564	310	-0.23	0.49	-0.18	0.0	-8.23e-05	7.44e-06
2565	28	-1.13	1.10	-0.34	0.0	-1.63e-04	2.87e-05
2565	44	-1.47	0.95	-0.33	0.0	-1.68e-04	2.76e-05
2565	68	-0.42	2.06	-0.27	0.0	-1.13e-04	2.39e-05
2565	123	-9.67	3.19	-0.45	0.0	-6.18e-04	3.47e-04
2565	128	-8.95	-2.99	-0.52	0.0	-5.76e-04	2.13e-04
2565	137	1.13	12.22	2.98e-03	0.0	1.32e-05	1.97e-04
2565	155	-10.83	3.54	-0.49	0.0	-6.86e-04	3.88e-04
2565	160	-10.03	-3.46	-0.56	0.0	-6.38e-04	2.37e-04
2565	169	1.30	13.75	0.03	0.0	2.35e-05	2.20e-04
2565	187	-10.67	3.67	-0.48	0.0	-6.74e-04	3.86e-04
2565	192	-9.87	-3.56	-0.55	0.0	-6.28e-04	2.33e-04
2565	201	1.27	14.10	0.03	0.0	2.22e-05	2.16e-04
2565	219	-12.35	4.31	-0.53	0.0	-7.72e-04	4.50e-04
2565	224	-11.43	-4.34	-0.61	0.0	-7.18e-04	2.68e-04
2565	233	1.52	16.66	0.07	0.0	3.77e-05	2.52e-04
2565	256	-0.76	0.76	-0.24	0.0	-1.12e-04	2.00e-05
2565	264	-1.00	0.66	-0.23	0.0	-1.16e-04	1.92e-05
2565	276	-0.29	1.40	-0.19	0.0	-7.89e-05	1.68e-05
2565	298	-0.29	0.60	-0.19	0.0	-7.36e-05	1.42e-05
2565	305	-0.41	0.57	-0.19	0.0	-7.73e-05	1.42e-05
2565	307	-0.27	0.72	-0.18	0.0	-6.98e-05	1.37e-05
2565	310	-0.27	0.57	-0.18	0.0	-7.00e-05	1.35e-05
2566	28	-1.21	1.25	-0.34	0.0	-1.57e-04	3.87e-05
2566	44	-1.56	1.09	-0.33	0.0	-1.62e-04	3.39e-05
2566	68	-0.47	2.23	-0.27	0.0	-1.09e-04	3.38e-05
2566	123	-9.99	3.38	-0.45	0.0	-5.61e-04	4.00e-04
2566	128	-9.25	-3.06	-0.52	0.0	-5.22e-04	2.64e-04
2566	137	1.14	12.79	5.72e-03	0.0	8.34e-06	1.09e-04
2566	155	-11.19	3.74	-0.49	0.0	-6.22e-04	4.47e-04
2566	160	-10.36	-3.55	-0.56	0.0	-5.78e-04	2.95e-04
2566	169	1.32	14.38	0.03	0.0	1.77e-05	1.20e-04
2566	187	-11.01	3.87	-0.48	0.0	-6.11e-04	4.44e-04
2566	192	-10.20	-3.66	-0.56	0.0	-5.69e-04	2.90e-04
2566	201	1.29	14.74	0.03	0.0	1.66e-05	1.20e-04
2566	219	-12.75	4.54	-0.52	0.0	-7.00e-04	5.16e-04
2566	224	-11.80	-4.47	-0.62	0.0	-6.50e-04	3.33e-04
2566	233	1.55	17.41	0.07	0.0	3.09e-05	1.38e-04
2566	256	-0.82	0.87	-0.24	0.0	-1.08e-04	2.69e-05
2566	264	-1.06	0.76	-0.24	0.0	-1.12e-04	2.37e-05
2566	276	-0.33	1.52	-0.20	0.0	-7.68e-05	2.37e-05
2566	298	-0.33	0.69	-0.19	0.0	-7.09e-05	2.12e-05
2566	305	-0.45	0.65	-0.19	0.0	-7.45e-05	2.01e-05
2566	307	-0.31	0.80	-0.18	0.0	-6.74e-05	2.01e-05
2566	310	-0.31	0.65	-0.19	0.0	-6.75e-05	2.00e-05
2567	44	-1.35	0.81	-0.28	0.0	-3.99e-04	6.72e-05
2567	68	-0.33	1.87	-0.18	0.0	-3.41e-04	5.68e-05
2567	123	-9.22	2.99	-0.42	0.0	-6.14e-04	3.13e-04
2567	137	3.13	11.63	0.36	0.0	-2.26e-05	2.72e-04
2567	144	-3.80	-9.96	-0.68	0.0	-4.31e-04	-1.07e-04
2567	155	-10.34	3.33	-0.45	0.0	-6.63e-04	3.49e-04
2567	169	3.54	13.09	0.43	0.0	2.50e-06	3.03e-04
2567	176	-4.25	-11.33	-0.74	0.0	-4.58e-04	-1.24e-04
2567	187	-10.18	3.45	-0.44	0.0	-6.54e-04	3.48e-04
2567	201	3.49	13.42	0.44	0.0	2.07e-06	3.04e-04
2567	208	-4.19	-11.65	-0.76	0.0	-4.57e-04	-1.28e-04
2567	219	-11.80	4.06	-0.48	0.0	-7.23e-04	4.04e-04
2567	233	4.12	15.87	0.55	0.0	4.17e-05	3.54e-04
2567	240	-4.85	-13.95	-0.87	0.0	-4.98e-04	-1.59e-04
2567	264	-0.91	0.56	-0.20	0.0	-2.76e-04	4.65e-05
2567	276	-0.23	1.27	-0.13	0.0	-2.37e-04	3.96e-05
2567	305	-0.36	0.49	-0.16	0.0	-2.29e-04	3.20e-05
2567	307	-0.22	0.63	-0.14	0.0	-2.22e-04	3.06e-05
2567	310	-0.22	0.48	-0.15	0.0	-2.22e-04	2.96e-05
2568	44	-1.45	0.95	-0.28	0.0	-2.25e-04	3.78e-05
2568	68	-0.40	2.05	-0.18	0.0	-1.67e-04	3.61e-05
2568	123	-9.54	3.19	-0.42	0.0	-5.92e-04	3.58e-04
2568	137	1.15	12.23	0.35	0.0	-2.85e-05	1.99e-04
2568	144	-1.90	-10.36	-0.66	0.0	-1.90e-04	-3.35e-05

2568	155	-10.69	3.54	-0.45	0.0	-6.52e-04	4.00e-04
2568	169	1.32	13.76	0.41	0.0	-1.90e-05	2.21e-04
2568	176	-2.11	-11.79	-0.73	0.0	-2.01e-04	-4.07e-05
2568	187	-10.53	3.66	-0.44	0.0	-6.42e-04	3.97e-04
2568	201	1.29	14.10	0.43	0.0	-2.01e-05	2.16e-04
2568	208	-2.07	-12.12	-0.74	0.0	-1.99e-04	-3.98e-05
2568	219	-12.19	4.31	-0.48	0.0	-7.29e-04	4.61e-04
2568	233	1.54	16.66	0.53	0.0	-5.66e-06	2.49e-04
2568	240	-2.35	-14.53	-0.85	0.0	-2.15e-04	-5.15e-05
2568	264	-0.98	0.66	-0.20	0.0	-1.56e-04	2.64e-05
2568	276	-0.28	1.40	-0.14	0.0	-1.17e-04	2.52e-05
2568	305	-0.40	0.57	-0.16	0.0	-1.13e-04	2.25e-05
2568	307	-0.26	0.72	-0.15	0.0	-1.06e-04	2.23e-05
2568	310	-0.26	0.57	-0.15	0.0	-1.06e-04	2.23e-05
2569	44	-1.54	1.09	-0.28	0.0	-1.74e-04	3.78e-05
2569	68	-0.46	2.23	-0.19	0.0	-1.20e-04	3.93e-05
2569	123	-9.83	3.38	-0.42	0.0	-5.53e-04	4.12e-04
2569	137	1.16	12.79	0.34	0.0	1.29e-06	1.11e-04
2569	144	-1.99	-10.72	-0.65	0.0	-1.57e-04	-2.01e-05
2569	155	-11.01	3.74	-0.45	0.0	-6.12e-04	4.60e-04
2569	169	1.34	14.38	0.40	0.0	1.07e-05	1.22e-04
2569	176	-2.20	-12.22	-0.72	0.0	-1.67e-04	-2.58e-05
2569	187	-10.84	3.87	-0.44	0.0	-6.02e-04	4.56e-04
2569	201	1.30	14.74	0.41	0.0	9.58e-06	1.22e-04
2569	208	-2.16	-12.57	-0.73	0.0	-1.66e-04	-2.46e-05
2569	219	-12.56	4.54	-0.48	0.0	-6.88e-04	5.30e-04
2569	233	1.56	17.41	0.52	0.0	2.38e-05	1.39e-04
2569	240	-2.45	-15.07	-0.83	0.0	-1.81e-04	-3.39e-05
2569	264	-1.04	0.76	-0.20	0.0	-1.20e-04	2.65e-05
2569	276	-0.32	1.52	-0.14	0.0	-8.42e-05	2.75e-05
2569	305	-0.44	0.65	-0.16	0.0	-8.18e-05	2.40e-05
2569	307	-0.29	0.80	-0.15	0.0	-7.46e-05	2.42e-05
2569	310	-0.30	0.65	-0.15	0.0	-7.47e-05	2.42e-05
2570	4	-0.38	1.89	-0.29	0.0	-4.63e-04	-2.85e-05
2570	44	-2.42	1.79	-0.23	0.0	7.93e-04	3.51e-04
2570	68	-0.74	2.95	-0.26	0.0	-1.56e-04	5.28e-05
2570	122	9.99	-2.64	-0.38	0.0	-2.57e-04	-4.31e-05
2570	123	-10.93	4.66	0.01	0.0	6.50e-05	1.07e-04
2570	129	0.38	15.60	-0.13	0.0	-1.65e-04	4.50e-04
2570	154	11.29	-3.12	-0.40	0.0	-2.77e-04	-5.31e-05
2570	155	-12.23	5.15	0.04	0.0	8.51e-05	1.17e-04
2570	161	0.49	17.55	-0.12	0.0	-1.72e-04	5.03e-04
2570	186	11.09	-3.30	-0.40	0.0	-2.74e-04	-5.73e-05
2570	187	-12.04	5.32	0.03	0.0	8.26e-05	1.21e-04
2570	193	0.49	18.18	-0.12	0.0	-1.65e-04	5.10e-04
2570	218	12.97	-4.20	-0.44	0.0	-3.03e-04	-7.64e-05
2570	219	-13.91	6.22	0.07	0.0	1.12e-04	1.40e-04
2570	225	0.65	21.70	-0.10	0.0	-1.75e-04	6.02e-04
2570	244	-0.28	1.31	-0.21	0.0	-3.14e-04	-1.72e-05
2570	264	-1.64	1.24	-0.17	0.0	5.24e-04	2.36e-04
2570	276	-0.52	2.02	-0.19	0.0	-1.09e-04	3.70e-05
2570	298	-0.50	1.07	-0.19	0.0	-1.01e-04	3.39e-05
2570	305	-0.69	1.03	-0.18	0.0	3.07e-05	7.18e-05
2570	307	-0.47	1.18	-0.18	0.0	-9.58e-05	3.21e-05
2570	310	-0.47	1.01	-0.18	0.0	-9.57e-05	3.20e-05
2571	4	-0.61	1.92	-0.29	0.0	-4.63e-04	4.42e-05
2571	44	-2.03	1.81	-0.23	0.0	7.93e-04	1.34e-04
2571	68	-0.82	2.98	-0.26	0.0	-1.56e-04	5.83e-05
2571	122	9.85	-2.66	-0.38	0.0	-2.61e-04	-3.09e-05
2571	123	-10.89	4.71	0.01	0.0	6.90e-05	1.01e-04
2571	129	0.35	15.76	-0.13	0.0	-1.65e-04	4.66e-04
2571	154	11.13	-3.15	-0.40	0.0	-2.81e-04	-3.98e-05
2571	155	-12.17	5.20	0.04	0.0	8.96e-05	1.10e-04
2571	161	0.46	17.72	-0.12	0.0	-1.73e-04	5.22e-04
2571	186	10.94	-3.33	-0.40	0.0	-2.79e-04	-4.41e-05
2571	187	-11.98	5.38	0.03	0.0	8.70e-05	1.15e-04
2571	193	0.45	18.36	-0.12	0.0	-1.66e-04	5.29e-04
2571	218	12.80	-4.23	-0.44	0.0	-3.08e-04	-6.16e-05
2571	219	-13.84	6.29	0.07	0.0	1.17e-04	1.32e-04
2571	225	0.62	21.92	-0.10	0.0	-1.76e-04	6.25e-04
2571	244	-0.43	1.33	-0.21	0.0	-3.14e-04	3.14e-05
2571	264	-1.38	1.26	-0.17	0.0	5.23e-04	9.11e-05
2571	276	-0.58	2.04	-0.19	0.0	-1.09e-04	4.08e-05
2571	298	-0.55	1.09	-0.19	0.0	-1.01e-04	3.74e-05
2571	305	-0.68	1.04	-0.18	0.0	3.06e-05	4.54e-05

2571	307	-0.52	1.20	-0.18	0.0	-9.59e-05	3.53e-05
2571	310	-0.52	1.03	-0.18	0.0	-9.58e-05	3.52e-05
2572	18	0.53	1.59	-0.17	0.0	-7.92e-04	-1.95e-04
2572	44	-3.18	1.78	-0.11	0.0	1.10e-03	5.31e-04
2572	68	-0.69	2.95	-0.11	0.0	-1.64e-04	4.72e-05
2572	123	-11.00	4.64	0.14	0.0	5.27e-05	5.23e-05
2572	129	0.27	15.53	0.20	0.0	-1.68e-04	4.44e-04
2572	134	4.29	-12.33	-0.51	0.0	-9.74e-05	-2.55e-04
2572	155	-12.31	5.13	0.18	0.0	7.18e-05	5.59e-05
2572	161	0.36	17.46	0.25	0.0	-1.76e-04	4.97e-04
2572	166	4.87	-14.11	-0.56	0.0	-9.77e-05	-2.92e-04
2572	187	-12.11	5.30	0.18	0.0	6.94e-05	6.04e-05
2572	193	0.36	18.10	0.26	0.0	-1.69e-04	5.03e-04
2572	198	4.77	-14.70	-0.57	0.0	-1.02e-04	-3.00e-04
2572	219	-14.01	6.19	0.23	0.0	9.70e-05	6.97e-05
2572	225	0.49	21.60	0.34	0.0	-1.79e-04	5.94e-04
2572	230	5.62	-17.93	-0.67	0.0	-1.02e-04	-3.67e-04
2572	251	0.33	1.11	-0.12	0.0	-5.33e-04	-1.28e-04
2572	264	-2.15	1.24	-0.09	0.0	7.25e-04	3.56e-04
2572	276	-0.49	2.02	-0.09	0.0	-1.15e-04	3.31e-05
2572	303	-0.28	1.00	-0.11	0.0	-1.84e-04	-3.54e-06
2572	305	-0.77	1.03	-0.11	0.0	6.72e-05	9.33e-05
2572	307	-0.44	1.18	-0.11	0.0	-1.01e-04	2.87e-05
2572	310	-0.44	1.01	-0.11	0.0	-1.01e-04	2.87e-05
2573	44	-0.82	0.36	-0.38	0.0	-1.86e-04	4.16e-05
2573	68	-0.11	1.05	-0.30	0.0	-7.39e-05	7.28e-06
2573	76	-0.14	0.19	-0.44	0.0	-8.80e-05	1.89e-05
2573	123	-6.19	2.19	-0.12	0.0	-1.30e-03	1.13e-04
2573	137	0.71	7.19	0.40	0.0	1.09e-04	3.42e-06
2573	140	-0.86	-6.77	-0.87	0.0	-2.04e-04	1.53e-05
2573	155	-6.94	2.45	-0.10	0.0	-1.46e-03	1.25e-04
2573	169	0.81	8.11	0.48	0.0	1.28e-04	2.84e-06
2573	172	-0.95	-7.68	-0.95	0.0	-2.23e-04	1.58e-05
2573	187	-6.83	2.53	-0.09	0.0	-1.43e-03	1.24e-04
2573	201	0.80	8.31	0.50	0.0	1.27e-04	6.01e-06
2573	204	-0.95	-7.88	-0.97	0.0	-2.22e-04	1.27e-05
2573	219	-7.93	3.00	-0.06	0.0	-1.66e-03	1.44e-04
2573	233	0.95	9.84	0.64	0.0	1.57e-04	6.57e-06
2573	236	-1.10	-9.42	-1.11	0.0	-2.52e-04	1.21e-05
2573	264	-0.55	0.25	-0.27	0.0	-1.26e-04	2.82e-05
2573	276	-0.07	0.71	-0.21	0.0	-5.17e-05	5.30e-06
2573	280	-0.09	0.14	-0.31	0.0	-6.11e-05	1.31e-05
2573	298	-0.08	0.23	-0.25	0.0	-5.01e-05	1.00e-05
2573	305	-0.17	0.22	-0.24	0.0	-6.21e-05	1.30e-05
2573	307	-0.07	0.31	-0.23	0.0	-4.72e-05	8.47e-06
2573	310	-0.07	0.21	-0.24	0.0	-4.74e-05	9.34e-06
2574	28	-1.72	1.79	-0.72	0.0	-2.23e-04	7.69e-05
2574	44	-2.06	1.56	-0.65	0.0	-2.16e-04	7.20e-05
2574	68	-0.85	2.82	-0.59	0.0	-1.66e-04	6.04e-05
2574	123	-10.91	3.96	-0.38	0.0	-9.97e-05	9.28e-05
2574	137	0.83	14.38	0.01	0.0	-1.05e-04	2.80e-04
2574	140	-1.91	-12.53	-0.81	0.0	-1.01e-04	-2.07e-04
2574	155	-12.20	4.36	-0.37	0.0	-9.92e-05	1.01e-04
2574	169	1.00	16.15	0.07	0.0	-1.05e-04	3.11e-04
2574	172	-2.08	-14.29	-0.87	0.0	-1.01e-04	-2.38e-04
2574	187	-12.01	4.51	-0.37	0.0	-9.92e-05	1.05e-04
2574	201	0.99	16.55	0.08	0.0	-1.05e-04	3.09e-04
2574	204	-2.06	-14.69	-0.88	0.0	-1.00e-04	-2.36e-04
2574	219	-13.87	5.25	-0.36	0.0	-9.87e-05	1.21e-04
2574	233	1.25	19.51	0.17	0.0	-1.06e-04	3.56e-04
2574	236	-2.32	-17.65	-0.97	0.0	-9.96e-05	-2.83e-04
2574	256	-1.17	1.24	-0.51	0.0	-1.54e-04	5.32e-05
2574	264	-1.40	1.09	-0.46	0.0	-1.49e-04	5.00e-05
2574	276	-0.60	1.93	-0.42	0.0	-1.16e-04	4.22e-05
2574	298	-0.57	0.98	-0.42	0.0	-1.09e-04	3.86e-05
2574	305	-0.70	0.93	-0.40	0.0	-1.10e-04	3.81e-05
2574	307	-0.54	1.10	-0.39	0.0	-1.03e-04	3.65e-05
2574	310	-0.54	0.93	-0.40	0.0	-1.03e-04	3.64e-05
2575	4	-0.06	0.94	0.17	-2.67e-04	0.0	1.28e-05
2575	44	-1.13	0.82	0.12	-2.33e-04	0.0	2.82e-05
2575	68	-0.24	2.57	0.14	-1.22e-03	0.0	4.62e-06
2575	113	10.75	5.95	0.19	-6.14e-04	0.0	3.47e-04
2575	116	-11.09	-4.96	-0.05	3.34e-04	0.0	-3.29e-04
2575	137	4.71	11.64	0.13	-1.13e-03	0.0	2.48e-04
2575	145	12.10	6.66	0.20	-6.76e-04	0.0	3.89e-04

2575	148	-12.45	-5.67	-0.07	3.96e-04	0.0	-3.72e-04
2575	169	5.32	13.10	0.13	-1.26e-03	0.0	2.78e-04
2575	177	11.99	6.80	0.20	-6.89e-04	0.0	3.89e-04
2575	180	-12.34	-5.81	-0.07	4.09e-04	0.0	-3.72e-04
2575	201	5.32	13.42	0.13	-1.29e-03	0.0	2.79e-04
2575	209	14.08	8.02	0.23	-7.96e-04	0.0	4.59e-04
2575	212	-14.42	-7.03	-0.09	5.16e-04	0.0	-4.41e-04
2575	233	6.29	15.87	0.15	-1.51e-03	0.0	3.28e-04
2575	244	-0.05	0.65	0.11	-1.86e-04	0.0	9.02e-06
2575	264	-0.76	0.57	0.08	-1.63e-04	0.0	1.93e-05
2575	276	-0.17	1.74	0.09	-8.20e-04	0.0	3.58e-06
2575	298	-0.18	0.53	0.07	-1.48e-04	0.0	9.43e-06
2575	305	-0.29	0.50	0.07	-1.40e-04	0.0	1.07e-05
2575	307	-0.17	0.73	0.07	-2.72e-04	0.0	7.55e-06
2575	310	-0.17	0.50	0.07	-1.40e-04	0.0	8.85e-06
2576	4	-0.10	1.08	0.18	-2.67e-04	0.0	1.19e-05
2576	44	-1.21	0.94	0.13	-2.33e-04	0.0	2.77e-05
2576	68	-0.29	3.21	0.14	-8.97e-04	0.0	-3.32e-06
2576	113	11.17	6.27	0.19	-5.71e-04	0.0	3.66e-04
2576	116	-11.57	-5.13	-0.06	2.91e-04	0.0	-3.49e-04
2576	137	4.90	12.24	0.13	-1.04e-03	0.0	2.52e-04
2576	145	12.58	7.02	0.21	-6.28e-04	0.0	4.11e-04
2576	148	-12.99	-5.88	-0.07	3.48e-04	0.0	-3.94e-04
2576	169	5.55	13.77	0.14	-1.16e-03	0.0	2.83e-04
2576	177	12.46	7.16	0.21	-6.40e-04	0.0	4.11e-04
2576	180	-12.87	-6.02	-0.07	3.60e-04	0.0	-3.94e-04
2576	201	5.55	14.10	0.14	-1.19e-03	0.0	2.83e-04
2576	209	14.63	8.44	0.23	-7.38e-04	0.0	4.84e-04
2576	212	-15.04	-7.30	-0.09	4.58e-04	0.0	-4.67e-04
2576	233	6.56	16.66	0.15	-1.39e-03	0.0	3.33e-04
2576	244	-0.08	0.75	0.12	-1.86e-04	0.0	8.41e-06
2576	264	-0.82	0.66	0.08	-1.63e-04	0.0	1.89e-05
2576	276	-0.20	2.17	0.09	-6.06e-04	0.0	-1.73e-06
2576	298	-0.22	0.61	0.08	-1.48e-04	0.0	9.02e-06
2576	305	-0.32	0.57	0.07	-1.40e-04	0.0	1.03e-05
2576	307	-0.20	0.87	0.07	-2.29e-04	0.0	6.20e-06
2576	310	-0.20	0.57	0.07	-1.40e-04	0.0	8.45e-06
2577	28	-0.84	0.97	0.29	-2.66e-04	0.0	2.49e-05
2577	44	-1.13	0.83	0.24	-2.32e-04	0.0	2.79e-05
2577	68	-0.25	2.58	0.24	-1.21e-03	0.0	1.06e-05
2577	116	-11.09	-4.99	0.17	3.36e-04	0.0	-3.30e-04
2577	137	4.70	11.72	0.13	-1.13e-03	0.0	2.45e-04
2577	148	-12.45	-5.71	0.17	3.99e-04	0.0	-3.72e-04
2577	169	5.31	13.20	0.13	-1.26e-03	0.0	2.76e-04
2577	180	-12.34	-5.86	0.17	4.13e-04	0.0	-3.72e-04
2577	201	5.31	13.52	0.13	-1.29e-03	0.0	2.76e-04
2577	212	-14.42	-7.10	0.18	5.22e-04	0.0	-4.42e-04
2577	233	6.27	15.99	0.13	-1.51e-03	0.0	3.25e-04
2577	256	-0.57	0.67	0.20	-1.85e-04	0.0	1.71e-05
2577	264	-0.76	0.58	0.16	-1.62e-04	0.0	1.91e-05
2577	276	-0.17	1.74	0.16	-8.16e-04	0.0	7.54e-06
2577	298	-0.19	0.53	0.14	-1.47e-04	0.0	9.22e-06
2577	305	-0.29	0.50	0.13	-1.40e-04	0.0	1.05e-05
2577	307	-0.17	0.74	0.13	-2.70e-04	0.0	8.20e-06
2577	310	-0.18	0.50	0.13	-1.40e-04	0.0	8.66e-06
2578	28	-0.90	1.11	0.30	-2.66e-04	0.0	2.44e-05
2578	44	-1.21	0.96	0.25	-2.32e-04	0.0	2.75e-05
2578	68	-0.29	3.21	0.24	-8.93e-04	0.0	9.25e-06
2578	116	-11.57	-5.17	0.19	2.96e-04	0.0	-3.50e-04
2578	137	4.90	12.32	0.11	-1.05e-03	0.0	2.59e-04
2578	148	-12.99	-5.92	0.20	3.53e-04	0.0	-3.96e-04
2578	169	5.55	13.86	0.11	-1.17e-03	0.0	2.91e-04
2578	180	-12.87	-6.08	0.20	3.66e-04	0.0	-3.96e-04
2578	201	5.54	14.20	0.11	-1.19e-03	0.0	2.92e-04
2578	212	-15.04	-7.37	0.21	4.65e-04	0.0	-4.70e-04
2578	233	6.56	16.78	0.10	-1.39e-03	0.0	3.43e-04
2578	256	-0.61	0.77	0.20	-1.85e-04	0.0	1.67e-05
2578	264	-0.82	0.67	0.17	-1.62e-04	0.0	1.88e-05
2578	276	-0.20	2.17	0.16	-6.03e-04	0.0	6.63e-06
2578	298	-0.22	0.61	0.14	-1.47e-04	0.0	8.88e-06
2578	305	-0.32	0.58	0.13	-1.40e-04	0.0	1.02e-05
2578	307	-0.20	0.88	0.13	-2.28e-04	0.0	7.77e-06
2578	310	-0.20	0.57	0.13	-1.40e-04	0.0	8.32e-06
2579	4	-0.15	1.22	0.18	-2.67e-04	0.0	1.10e-05
2579	44	-1.29	1.07	0.13	-2.33e-04	0.0	2.72e-05

2579	68	-0.33	3.60	0.14	-4.73e-04	0.0	-7.36e-06
2579	113	11.57	6.57	0.20	-5.14e-04	0.0	3.81e-04
2579	116	-12.04	-5.28	-0.06	2.34e-04	0.0	-3.64e-04
2579	137	5.09	12.77	0.13	-9.21e-04	0.0	2.56e-04
2579	145	13.04	7.34	0.21	-5.62e-04	0.0	4.27e-04
2579	148	-13.51	-6.05	-0.07	2.82e-04	0.0	-4.11e-04
2579	169	5.77	14.36	0.14	-1.02e-03	0.0	2.88e-04
2579	177	12.92	7.49	0.21	-5.74e-04	0.0	4.27e-04
2579	180	-13.39	-6.20	-0.07	2.94e-04	0.0	-4.11e-04
2579	201	5.77	14.71	0.14	-1.04e-03	0.0	2.88e-04
2579	209	15.18	8.82	0.24	-6.59e-04	0.0	5.04e-04
2579	212	-15.64	-7.53	-0.10	3.79e-04	0.0	-4.87e-04
2579	233	6.83	17.37	0.15	-1.22e-03	0.0	3.38e-04
2579	244	-0.11	0.85	0.12	-1.86e-04	0.0	7.81e-06
2579	264	-0.87	0.74	0.08	-1.63e-04	0.0	1.86e-05
2579	276	-0.23	2.44	0.09	-3.23e-04	0.0	-4.45e-06
2579	298	-0.24	0.68	0.08	-1.48e-04	0.0	8.62e-06
2579	305	-0.36	0.65	0.07	-1.40e-04	0.0	9.97e-06
2579	307	-0.23	0.99	0.07	-1.72e-04	0.0	5.37e-06
2579	310	-0.23	0.64	0.07	-1.40e-04	0.0	8.06e-06
2580	28	-0.98	1.25	0.30	-2.66e-04	0.0	2.39e-05
2580	44	-1.29	1.08	0.25	-2.32e-04	0.0	2.71e-05
2580	68	-0.33	3.60	0.25	-4.71e-04	0.0	6.55e-06
2580	116	-12.04	-5.31	0.21	2.39e-04	0.0	-3.67e-04
2580	137	5.09	12.85	0.10	-9.29e-04	0.0	2.75e-04
2580	148	-13.51	-6.09	0.22	2.89e-04	0.0	-4.15e-04
2580	169	5.77	14.45	0.10	-1.03e-03	0.0	3.09e-04
2580	180	-13.39	-6.26	0.22	3.01e-04	0.0	-4.15e-04
2580	201	5.77	14.81	0.10	-1.05e-03	0.0	3.11e-04
2580	212	-15.65	-7.60	0.23	3.88e-04	0.0	-4.92e-04
2580	233	6.83	17.49	0.09	-1.23e-03	0.0	3.66e-04
2580	256	-0.66	0.87	0.20	-1.85e-04	0.0	1.64e-05
2580	264	-0.87	0.75	0.17	-1.62e-04	0.0	1.85e-05
2580	276	-0.23	2.44	0.17	-3.22e-04	0.0	4.82e-06
2580	298	-0.24	0.69	0.15	-1.47e-04	0.0	8.57e-06
2580	305	-0.36	0.65	0.13	-1.40e-04	0.0	9.93e-06
2580	307	-0.23	0.99	0.13	-1.72e-04	0.0	7.18e-06
2580	310	-0.23	0.65	0.13	-1.40e-04	0.0	8.01e-06
2581	4	-0.19	1.36	0.18	-2.67e-04	0.0	1.02e-05
2581	44	-1.36	1.18	0.13	-2.33e-04	0.0	2.67e-05
2581	68	-0.37	3.73	0.15	-4.73e-05	0.0	-6.38e-06
2581	113	11.95	6.80	0.20	-4.56e-04	0.0	3.91e-04
2581	116	-12.46	-5.37	-0.06	1.76e-04	0.0	-3.76e-04
2581	137	5.27	13.19	0.13	-7.95e-04	0.0	2.61e-04
2581	145	13.46	7.60	0.22	-4.97e-04	0.0	4.39e-04
2581	148	-13.98	-6.17	-0.07	2.17e-04	0.0	-4.24e-04
2581	169	5.97	14.83	0.14	-8.81e-04	0.0	2.94e-04
2581	177	13.34	7.76	0.22	-5.08e-04	0.0	4.39e-04
2581	180	-13.86	-6.33	-0.07	2.28e-04	0.0	-4.23e-04
2581	201	5.97	15.19	0.14	-8.99e-04	0.0	2.94e-04
2581	209	15.67	9.12	0.24	-5.80e-04	0.0	5.17e-04
2581	212	-16.19	-7.69	-0.10	3.01e-04	0.0	-5.02e-04
2581	233	7.07	17.93	0.16	-1.04e-03	0.0	3.45e-04
2581	244	-0.14	0.94	0.12	-1.86e-04	0.0	7.22e-06
2581	264	-0.92	0.83	0.08	-1.63e-04	0.0	1.82e-05
2581	276	-0.26	2.52	0.10	-3.91e-05	0.0	-3.81e-06
2581	298	-0.27	0.76	0.08	-1.47e-04	0.0	8.23e-06
2581	305	-0.39	0.72	0.07	-1.40e-04	0.0	9.63e-06
2581	307	-0.25	1.06	0.07	-1.15e-04	0.0	5.21e-06
2581	310	-0.26	0.71	0.07	-1.40e-04	0.0	7.67e-06
2582	28	-1.04	1.38	0.31	-2.66e-04	0.0	2.35e-05
2582	44	-1.36	1.20	0.26	-2.32e-04	0.0	2.69e-05
2582	68	-0.37	3.73	0.25	-4.78e-05	0.0	2.64e-06
2582	116	-12.46	-5.42	0.22	1.83e-04	0.0	-3.81e-04
2582	137	5.27	13.28	0.10	-8.08e-04	0.0	2.93e-04
2582	148	-13.98	-6.22	0.23	2.25e-04	0.0	-4.30e-04
2582	169	5.97	14.93	0.09	-8.96e-04	0.0	3.30e-04
2582	180	-13.86	-6.39	0.23	2.36e-04	0.0	-4.30e-04
2582	201	5.97	15.30	0.09	-9.14e-04	0.0	3.32e-04
2582	212	-16.19	-7.77	0.25	3.10e-04	0.0	-5.11e-04
2582	233	7.07	18.06	0.09	-1.06e-03	0.0	3.91e-04
2582	256	-0.71	0.96	0.21	-1.85e-04	0.0	1.61e-05
2582	264	-0.92	0.83	0.17	-1.62e-04	0.0	1.83e-05
2582	276	-0.26	2.52	0.17	-3.94e-05	0.0	2.21e-06
2582	298	-0.27	0.76	0.15	-1.47e-04	0.0	8.32e-06

2582	305	-0.39	0.72	0.14	-1.40e-04	0.0	9.71e-06
2582	307	-0.25	1.06	0.14	-1.15e-04	0.0	6.48e-06
2582	310	-0.26	0.72	0.14	-1.40e-04	0.0	7.76e-06
2583	4	-0.22	1.49	0.19	-2.67e-04	0.0	9.18e-06
2583	44	-1.43	1.30	0.13	-2.32e-04	0.0	2.62e-05
2583	68	-0.40	3.62	0.15	3.41e-04	0.0	0.0
2583	113	12.27	7.01	0.20	-4.05e-04	0.0	3.98e-04
2583	116	-12.83	-5.44	-0.06	1.25e-04	0.0	-3.83e-04
2583	137	5.43	13.55	0.14	-6.83e-04	0.0	2.74e-04
2583	145	13.83	7.82	0.22	-4.40e-04	0.0	4.47e-04
2583	148	-14.39	-6.25	-0.07	1.60e-04	0.0	-4.32e-04
2583	169	6.15	15.22	0.14	-7.54e-04	0.0	3.08e-04
2583	177	13.70	7.99	0.22	-4.49e-04	0.0	4.47e-04
2583	180	-14.26	-6.42	-0.07	1.70e-04	0.0	-4.32e-04
2583	201	6.15	15.59	0.14	-7.70e-04	0.0	3.08e-04
2583	209	16.10	9.39	0.24	-5.11e-04	0.0	5.27e-04
2583	212	-16.67	-7.82	-0.10	2.31e-04	0.0	-5.12e-04
2583	233	7.29	18.39	0.16	-8.89e-04	0.0	3.63e-04
2583	244	-0.16	1.03	0.12	-1.85e-04	0.0	6.54e-06
2583	264	-0.97	0.91	0.09	-1.62e-04	0.0	1.78e-05
2583	276	-0.28	2.46	0.10	2.20e-04	0.0	0.0
2583	298	-0.30	0.83	0.08	-1.47e-04	0.0	7.78e-06
2583	305	-0.41	0.79	0.07	-1.40e-04	0.0	9.22e-06
2583	307	-0.27	1.10	0.07	-6.33e-05	0.0	5.67e-06
2583	310	-0.28	0.78	0.07	-1.40e-04	0.0	7.22e-06
2584	28	-1.11	1.52	0.31	-2.66e-04	0.0	2.33e-05
2584	44	-1.44	1.31	0.27	-2.32e-04	0.0	2.67e-05
2584	68	-0.40	3.62	0.26	3.37e-04	0.0	-1.44e-06
2584	116	-12.84	-5.49	0.24	1.32e-04	0.0	-3.89e-04
2584	137	5.42	13.65	0.10	-7.00e-04	0.0	3.07e-04
2584	148	-14.40	-6.30	0.25	1.68e-04	0.0	-4.40e-04
2584	169	6.15	15.33	0.09	-7.73e-04	0.0	3.45e-04
2584	180	-14.28	-6.48	0.25	1.78e-04	0.0	-4.40e-04
2584	201	6.15	15.71	0.09	-7.89e-04	0.0	3.48e-04
2584	212	-16.68	-7.90	0.27	2.41e-04	0.0	-5.23e-04
2584	233	7.29	18.53	0.08	-9.12e-04	0.0	4.10e-04
2584	256	-0.75	1.05	0.21	-1.85e-04	0.0	1.60e-05
2584	264	-0.97	0.92	0.18	-1.62e-04	0.0	1.82e-05
2584	276	-0.28	2.46	0.17	2.17e-04	0.0	0.0
2584	298	-0.30	0.84	0.15	-1.47e-04	0.0	8.14e-06
2584	305	-0.42	0.79	0.14	-1.39e-04	0.0	9.56e-06
2584	307	-0.28	1.10	0.14	-6.36e-05	0.0	5.81e-06
2584	310	-0.29	0.79	0.14	-1.40e-04	0.0	7.57e-06
2585	4	-0.24	1.62	0.19	-2.66e-04	0.0	8.02e-06
2585	44	-1.46	1.42	0.13	-2.32e-04	0.0	2.55e-05
2585	68	-0.42	3.31	0.15	6.35e-04	0.0	9.02e-06
2585	113	12.41	7.19	0.20	-3.70e-04	0.0	4.02e-04
2585	116	-12.99	-5.48	-0.06	9.05e-05	0.0	-3.88e-04
2585	137	5.49	13.85	0.14	-6.03e-04	0.0	2.96e-04
2585	145	13.98	8.02	0.22	-4.00e-04	0.0	4.52e-04
2585	148	-14.57	-6.31	-0.08	1.21e-04	0.0	-4.38e-04
2585	169	6.23	15.55	0.14	-6.64e-04	0.0	3.33e-04
2585	177	13.86	8.18	0.22	-4.08e-04	0.0	4.52e-04
2585	180	-14.45	-6.48	-0.07	1.29e-04	0.0	-4.39e-04
2585	201	6.23	15.93	0.15	-6.77e-04	0.0	3.35e-04
2585	209	16.29	9.61	0.25	-4.62e-04	0.0	5.34e-04
2585	212	-16.88	-7.90	-0.10	1.83e-04	0.0	-5.21e-04
2585	233	7.39	18.78	0.16	-7.79e-04	0.0	3.94e-04
2585	244	-0.17	1.13	0.12	-1.85e-04	0.0	5.73e-06
2585	264	-0.99	0.99	0.09	-1.62e-04	0.0	1.74e-05
2585	276	-0.29	2.25	0.10	4.15e-04	0.0	6.40e-06
2585	298	-0.31	0.90	0.08	-1.47e-04	0.0	7.23e-06
2585	305	-0.43	0.86	0.07	-1.40e-04	0.0	8.72e-06
2585	307	-0.29	1.11	0.07	-2.40e-05	0.0	6.53e-06
2585	310	-0.29	0.85	0.07	-1.40e-04	0.0	6.69e-06
2586	28	-1.13	1.65	0.32	-2.66e-04	0.0	2.32e-05
2586	44	-1.47	1.43	0.28	-2.32e-04	0.0	2.67e-05
2586	68	-0.42	3.31	0.27	6.28e-04	0.0	-2.34e-06
2586	116	-13.00	-5.53	0.25	9.71e-05	0.0	-3.94e-04
2586	137	5.49	13.96	0.10	-6.22e-04	0.0	3.15e-04
2586	148	-14.58	-6.36	0.27	1.28e-04	0.0	-4.45e-04
2586	169	6.22	15.68	0.09	-6.85e-04	0.0	3.55e-04
2586	180	-14.45	-6.55	0.27	1.37e-04	0.0	-4.46e-04
2586	201	6.23	16.06	0.09	-6.99e-04	0.0	3.58e-04
2586	212	-16.88	-7.99	0.29	1.93e-04	0.0	-5.29e-04

2586	233	7.38	18.94	0.08	-8.05e-04	0.0	4.22e-04
2586	256	-0.77	1.14	0.22	-1.85e-04	0.0	1.59e-05
2586	264	-0.99	1.00	0.19	-1.62e-04	0.0	1.82e-05
2586	276	-0.30	2.25	0.18	4.11e-04	0.0	-1.13e-06
2586	298	-0.31	0.91	0.16	-1.47e-04	0.0	8.06e-06
2586	305	-0.43	0.86	0.15	-1.39e-04	0.0	9.50e-06
2586	307	-0.29	1.11	0.15	-2.48e-05	0.0	5.63e-06
2586	310	-0.30	0.86	0.15	-1.39e-04	0.0	7.48e-06
2587	4	-0.25	1.76	0.19	-2.66e-04	0.0	6.99e-06
2587	44	-1.49	1.53	0.13	-2.32e-04	0.0	2.48e-05
2587	68	-0.43	2.81	0.15	7.87e-04	0.0	1.47e-05
2587	113	12.52	7.35	0.21	-3.57e-04	0.0	4.04e-04
2587	116	-13.13	-5.51	-0.06	7.80e-05	0.0	-3.91e-04
2587	137	5.55	14.11	0.14	-5.73e-04	0.0	3.21e-04
2587	145	14.11	8.19	0.23	-3.86e-04	0.0	4.54e-04
2587	148	-14.72	-6.34	-0.08	1.07e-04	0.0	-4.42e-04
2587	169	6.29	15.84	0.15	-6.30e-04	0.0	3.61e-04
2587	177	13.98	8.37	0.22	-3.94e-04	0.0	4.56e-04
2587	180	-14.59	-6.52	-0.08	1.15e-04	0.0	-4.43e-04
2587	201	6.30	16.22	0.15	-6.43e-04	0.0	3.65e-04
2587	209	16.44	9.81	0.25	-4.45e-04	0.0	5.39e-04
2587	212	-17.05	-7.97	-0.10	1.66e-04	0.0	-5.26e-04
2587	233	7.46	19.12	0.16	-7.38e-04	0.0	4.31e-04
2587	244	-0.18	1.22	0.12	-1.85e-04	0.0	5.02e-06
2587	264	-1.01	1.07	0.09	-1.62e-04	0.0	1.69e-05
2587	276	-0.30	1.92	0.10	5.17e-04	0.0	1.02e-05
2587	298	-0.32	0.98	0.08	-1.47e-04	0.0	6.74e-06
2587	305	-0.44	0.93	0.07	-1.39e-04	0.0	8.29e-06
2587	307	-0.30	1.10	0.07	-3.50e-06	0.0	6.94e-06
2587	310	-0.30	0.92	0.07	-1.39e-04	0.0	6.21e-06
2588	28	-1.16	1.78	0.34	-2.66e-04	0.0	2.32e-05
2588	44	-1.49	1.55	0.29	-2.32e-04	0.0	2.67e-05
2588	68	-0.43	2.82	0.29	7.78e-04	0.0	5.05e-06
2588	116	-13.14	-5.56	0.27	8.37e-05	0.0	-3.95e-04
2588	137	5.55	14.23	0.10	-5.92e-04	0.0	3.22e-04
2588	148	-14.73	-6.40	0.29	1.13e-04	0.0	-4.46e-04
2588	169	6.29	15.98	0.09	-6.52e-04	0.0	3.62e-04
2588	180	-14.61	-6.59	0.29	1.22e-04	0.0	-4.47e-04
2588	201	6.30	16.36	0.09	-6.65e-04	0.0	3.66e-04
2588	212	-17.06	-8.06	0.31	1.74e-04	0.0	-5.31e-04
2588	233	7.46	19.29	0.08	-7.64e-04	0.0	4.32e-04
2588	256	-0.79	1.23	0.23	-1.85e-04	0.0	1.59e-05
2588	264	-1.01	1.08	0.20	-1.62e-04	0.0	1.83e-05
2588	276	-0.30	1.93	0.19	5.11e-04	0.0	3.81e-06
2588	301	-0.31	0.96	0.16	-1.46e-04	0.0	7.45e-06
2588	305	-0.44	0.93	0.15	-1.39e-04	0.0	9.48e-06
2588	307	-0.30	1.10	0.15	-4.84e-06	0.0	6.59e-06
2588	310	-0.30	0.93	0.15	-1.39e-04	0.0	7.44e-06
2589	44	-1.82	1.77	-0.49	0.0	-1.86e-04	3.49e-05
2589	52	-0.76	2.69	-0.63	0.0	-1.42e-04	4.97e-05
2589	68	-0.65	2.94	-0.59	0.0	-1.24e-04	4.34e-05
2589	123	-10.67	4.65	-0.30	0.0	-3.88e-04	1.99e-04
2589	129	0.71	15.61	-1.10	0.0	7.96e-05	4.56e-04
2589	155	-11.94	5.14	-0.30	0.0	-4.27e-04	2.21e-04
2589	161	0.85	17.55	-1.20	0.0	9.91e-05	5.12e-04
2589	187	-11.75	5.32	-0.31	0.0	-4.20e-04	2.22e-04
2589	193	0.83	18.19	-1.23	0.0	9.74e-05	5.20e-04
2589	219	-13.59	6.21	-0.32	0.0	-4.75e-04	2.58e-04
2589	225	1.04	21.71	-1.42	0.0	1.27e-04	6.16e-04
2589	264	-1.23	1.23	-0.35	0.0	-1.28e-04	2.47e-05
2589	268	-0.53	1.84	-0.44	0.0	-9.89e-05	3.46e-05
2589	276	-0.46	2.01	-0.42	0.0	-8.66e-05	3.03e-05
2589	298	-0.44	1.06	-0.35	0.0	-8.07e-05	2.72e-05
2589	305	-0.57	1.02	-0.33	0.0	-8.48e-05	2.47e-05
2589	307	-0.41	1.18	-0.34	0.0	-7.65e-05	2.58e-05
2589	310	-0.42	1.00	-0.33	0.0	-7.67e-05	2.56e-05
2590	44	-1.90	1.80	-0.48	0.0	-1.54e-04	8.80e-05
2590	52	-0.83	2.73	-0.63	0.0	-1.49e-04	6.75e-05
2590	68	-0.72	2.98	-0.59	0.0	-1.30e-04	5.85e-05
2590	123	-10.84	4.71	-0.30	0.0	-3.42e-04	1.13e-04
2590	129	0.69	15.76	-1.09	0.0	6.26e-05	4.71e-04
2590	155	-12.13	5.20	-0.30	0.0	-3.75e-04	1.24e-04
2590	161	0.83	17.73	-1.19	0.0	8.05e-05	5.27e-04
2590	187	-11.94	5.38	-0.31	0.0	-3.69e-04	1.28e-04
2590	193	0.81	18.37	-1.22	0.0	7.97e-05	5.35e-04

2590	219	-13.81	6.28	-0.32	0.0	-4.15e-04	1.48e-04
2590	225	1.03	21.93	-1.40	0.0	1.08e-04	6.32e-04
2590	264	-1.29	1.26	-0.35	0.0	-1.07e-04	6.06e-05
2590	268	-0.58	1.87	-0.44	0.0	-1.04e-04	4.69e-05
2590	276	-0.50	2.04	-0.42	0.0	-9.10e-05	4.09e-05
2590	298	-0.48	1.08	-0.34	0.0	-8.48e-05	3.72e-05
2590	305	-0.61	1.04	-0.33	0.0	-8.37e-05	3.92e-05
2590	307	-0.45	1.20	-0.34	0.0	-8.04e-05	3.53e-05
2590	310	-0.46	1.02	-0.33	0.0	-8.06e-05	3.51e-05
2591	28	-1.34	1.06	-0.73	-2.80e-04	-3.65e-04	-3.00e-05
2591	44	-1.69	0.94	-0.65	-2.43e-04	-3.47e-04	-7.98e-05
2591	68	-0.54	1.95	-0.64	-3.21e-04	-2.79e-04	2.86e-05
2591	123	-9.57	3.30	-0.57	-3.85e-04	-6.04e-04	8.08e-05
2591	135	-5.85	10.80	-0.58	-1.02e-03	-4.60e-04	2.95e-04
2591	137	-0.12	12.09	-0.50	-1.12e-03	-1.93e-04	2.07e-04
2591	155	-10.72	3.67	-0.59	-4.17e-04	-6.57e-04	8.91e-05
2591	167	-6.54	12.17	-0.61	-1.14e-03	-4.96e-04	3.31e-04
2591	169	-0.09	13.61	-0.51	-1.25e-03	-1.96e-04	2.31e-04
2591	187	-10.58	3.80	-0.59	-4.28e-04	-6.51e-04	9.28e-05
2591	199	-6.50	12.63	-0.61	-1.18e-03	-4.97e-04	3.39e-04
2591	201	-0.06	13.96	-0.51	-1.28e-03	-1.97e-04	2.28e-04
2591	219	-12.26	4.49	-0.62	-4.86e-04	-7.31e-04	1.09e-04
2591	231	-7.59	15.12	-0.65	-1.39e-03	-5.55e-04	4.04e-04
2591	233	1.17e-04	16.52	-0.54	-1.50e-03	-2.02e-04	2.64e-04
2591	256	-0.91	0.74	-0.51	-1.95e-04	-2.53e-04	-1.91e-05
2591	264	-1.15	0.66	-0.46	-1.70e-04	-2.40e-04	-5.23e-05
2591	276	-0.38	1.33	-0.45	-2.22e-04	-1.95e-04	2.00e-05
2591	298	-0.38	0.57	-0.42	-1.55e-04	-1.83e-04	2.02e-05
2591	305	-0.51	0.55	-0.41	-1.47e-04	-1.82e-04	4.27e-06
2591	307	-0.35	0.68	-0.40	-1.57e-04	-1.73e-04	1.87e-05
2591	310	-0.36	0.54	-0.40	-1.47e-04	-1.73e-04	1.89e-05
2592	16	0.25	0.50	-0.14	-1.66e-04	0.0	-2.18e-06
2592	44	-1.65	1.00	5.68e-03	-2.52e-04	0.0	3.04e-05
2592	68	-0.50	1.98	-0.08	-3.29e-04	0.0	9.76e-06
2592	122	8.89	-2.49	-0.60	1.19e-04	0.0	-5.59e-05
2592	123	-9.55	3.61	0.49	-4.26e-04	0.0	7.02e-05
2592	129	-1.84	12.73	0.04	-1.26e-03	0.0	4.71e-04
2592	154	10.03	-2.90	-0.66	1.55e-04	0.0	-6.45e-05
2592	155	-10.70	4.01	0.55	-4.63e-04	0.0	7.89e-05
2592	161	-2.03	14.35	0.05	-1.41e-03	0.0	5.32e-04
2592	186	9.89	-3.05	-0.65	1.70e-04	0.0	-6.96e-05
2592	187	-10.55	4.16	0.55	-4.77e-04	0.0	8.40e-05
2592	193	-2.09	14.88	0.05	-1.46e-03	0.0	5.43e-04
2592	218	11.57	-3.79	-0.75	2.37e-04	0.0	-8.74e-05
2592	219	-12.24	4.91	0.64	-5.45e-04	0.0	1.02e-04
2592	225	-2.46	17.82	0.07	-1.72e-03	0.0	6.48e-04
2592	249	0.15	0.36	-0.10	-1.19e-04	0.0	-1.05e-06
2592	264	-1.12	0.69	-4.59e-03	-1.77e-04	0.0	2.07e-05
2592	276	-0.35	1.35	-0.06	-2.28e-04	0.0	6.92e-06
2592	302	-0.13	0.34	-0.07	-1.03e-04	0.0	3.15e-06
2592	305	-0.48	0.57	-0.04	-1.53e-04	0.0	9.65e-06
2592	307	-0.33	0.70	-0.05	-1.64e-04	0.0	6.89e-06
2592	309	-0.21	0.35	-0.06	-1.03e-04	0.0	4.38e-06
2592	310	-0.33	0.56	-0.05	-1.54e-04	0.0	7.18e-06
2593	28	-1.52	1.21	-0.73	-2.76e-04	-3.14e-04	-7.49e-05
2593	44	-1.86	1.07	-0.66	-2.40e-04	-3.05e-04	-1.51e-04
2593	68	-0.67	2.12	-0.64	-3.15e-04	-2.36e-04	2.50e-05
2593	123	-9.94	3.50	-0.57	-3.66e-04	-6.41e-04	8.30e-05
2593	135	-6.12	11.34	-0.58	-9.61e-04	-4.79e-04	3.08e-04
2593	137	-0.21	12.67	-0.49	-1.06e-03	-1.71e-04	2.11e-04
2593	155	-11.12	3.89	-0.59	-3.95e-04	-7.02e-04	9.20e-05
2593	167	-6.83	12.77	-0.60	-1.07e-03	-5.21e-04	3.47e-04
2593	169	-0.18	14.26	-0.51	-1.17e-03	-1.75e-04	2.36e-04
2593	187	-10.97	4.03	-0.59	-4.06e-04	-6.95e-04	9.59e-05
2593	199	-6.80	13.24	-0.61	-1.10e-03	-5.22e-04	3.55e-04
2593	201	-0.16	14.63	-0.51	-1.20e-03	-1.76e-04	2.33e-04
2593	219	-12.71	4.74	-0.62	-4.60e-04	-7.87e-04	1.13e-04
2593	231	-7.92	15.84	-0.64	-1.30e-03	-5.91e-04	4.24e-04
2593	233	-0.10	17.30	-0.53	-1.40e-03	-1.83e-04	2.70e-04
2593	256	-1.03	0.84	-0.52	-1.92e-04	-2.17e-04	-4.91e-05
2593	264	-1.26	0.74	-0.47	-1.68e-04	-2.11e-04	-9.96e-05
2593	276	-0.47	1.44	-0.46	-2.18e-04	-1.65e-04	1.75e-05
2593	298	-0.47	0.65	-0.43	-1.53e-04	-1.53e-04	1.75e-05
2593	305	-0.59	0.62	-0.41	-1.45e-04	-1.54e-04	-7.21e-06
2593	307	-0.43	0.76	-0.41	-1.55e-04	-1.45e-04	1.62e-05

2593	310	-0.44	0.61	-0.41	-1.44e-04	-1.44e-04	1.63e-05
2594	16	0.19	0.58	-0.14	-1.65e-04	0.0	-8.14e-06
2594	44	-1.83	1.14	2.52e-03	-2.57e-04	0.0	4.96e-05
2594	68	-0.64	2.15	-0.08	-3.30e-04	0.0	1.25e-05
2594	122	9.08	-2.56	-0.60	9.67e-05	0.0	-5.93e-05
2594	123	-9.92	3.83	0.49	-4.05e-04	0.0	7.69e-05
2594	129	-1.99	13.39	0.04	-1.17e-03	0.0	4.61e-04
2594	154	10.26	-2.98	-0.67	1.30e-04	0.0	-6.85e-05
2594	155	-11.10	4.26	0.56	-4.38e-04	0.0	8.62e-05
2594	161	-2.20	15.09	0.05	-1.31e-03	0.0	5.20e-04
2594	186	10.11	-3.14	-0.66	1.43e-04	0.0	-7.33e-05
2594	187	-10.95	4.41	0.55	-4.52e-04	0.0	9.10e-05
2594	193	-2.26	15.65	0.05	-1.35e-03	0.0	5.30e-04
2594	218	11.85	-3.92	-0.76	2.06e-04	0.0	-9.18e-05
2594	219	-12.69	5.20	0.65	-5.14e-04	0.0	1.09e-04
2594	225	-2.65	18.72	0.07	-1.60e-03	0.0	6.32e-04
2594	249	0.10	0.42	-0.10	-1.18e-04	0.0	-4.90e-06
2594	264	-1.24	0.79	-6.99e-03	-1.80e-04	0.0	3.36e-05
2594	276	-0.45	1.47	-0.06	-2.28e-04	0.0	8.85e-06
2594	302	-0.19	0.40	-0.07	-1.03e-04	0.0	3.33e-06
2594	305	-0.57	0.65	-0.04	-1.54e-04	0.0	1.35e-05
2594	307	-0.42	0.79	-0.06	-1.64e-04	0.0	8.53e-06
2594	309	-0.26	0.40	-0.07	-1.03e-04	0.0	5.65e-06
2594	310	-0.42	0.64	-0.06	-1.54e-04	0.0	8.84e-06
2595	28	-1.66	1.36	-0.74	-2.74e-04	-2.79e-04	-1.02e-04
2595	44	-2.00	1.20	-0.67	-2.39e-04	-2.72e-04	-1.87e-04
2595	68	-0.78	2.29	-0.65	-3.10e-04	-2.14e-04	1.73e-05
2595	123	-10.28	3.70	-0.57	-3.45e-04	-6.33e-04	7.69e-05
2595	135	-6.37	11.83	-0.57	-8.90e-04	-4.72e-04	3.15e-04
2595	137	-0.29	13.21	-0.49	-9.80e-04	-1.58e-04	2.17e-04
2595	155	-11.49	4.10	-0.59	-3.71e-04	-6.96e-04	8.57e-05
2595	167	-7.11	13.31	-0.60	-9.90e-04	-5.15e-04	3.55e-04
2595	169	-0.26	14.85	-0.50	-1.09e-03	-1.62e-04	2.42e-04
2595	187	-11.34	4.24	-0.59	-3.81e-04	-6.89e-04	8.98e-05
2595	199	-7.07	13.81	-0.60	-1.02e-03	-5.17e-04	3.65e-04
2595	201	-0.24	15.24	-0.51	-1.11e-03	-1.64e-04	2.39e-04
2595	219	-13.13	4.99	-0.62	-4.30e-04	-7.82e-04	1.07e-04
2595	231	-8.24	16.50	-0.64	-1.20e-03	-5.87e-04	4.36e-04
2595	233	-0.18	18.01	-0.52	-1.30e-03	-1.71e-04	2.79e-04
2595	256	-1.13	0.94	-0.52	-1.90e-04	-1.93e-04	-6.71e-05
2595	264	-1.36	0.83	-0.47	-1.67e-04	-1.88e-04	-1.24e-04
2595	276	-0.54	1.56	-0.46	-2.14e-04	-1.50e-04	1.22e-05
2595	298	-0.53	0.73	-0.43	-1.51e-04	-1.36e-04	1.19e-05
2595	305	-0.66	0.70	-0.41	-1.43e-04	-1.37e-04	-1.62e-05
2595	307	-0.50	0.85	-0.41	-1.53e-04	-1.30e-04	1.11e-05
2595	310	-0.50	0.69	-0.41	-1.43e-04	-1.29e-04	1.12e-05
2596	16	0.13	0.67	-0.15	-1.63e-04	0.0	-1.06e-05
2596	44	-1.98	1.27	-3.68e-04	-2.61e-04	0.0	6.21e-05
2596	68	-0.77	2.33	-0.09	-3.30e-04	0.0	1.57e-05
2596	122	9.28	-2.60	-0.61	6.64e-05	0.0	-6.30e-05
2596	123	-10.27	4.05	0.50	-3.75e-04	0.0	8.45e-05
2596	129	-2.14	13.99	0.03	-1.05e-03	0.0	4.61e-04
2596	154	10.50	-3.05	-0.68	9.60e-05	0.0	-7.29e-05
2596	155	-11.49	4.49	0.57	-4.05e-04	0.0	9.44e-05
2596	161	-2.36	15.76	0.05	-1.17e-03	0.0	5.19e-04
2596	186	10.34	-3.21	-0.67	1.07e-04	0.0	-7.76e-05
2596	187	-11.34	4.65	0.56	-4.16e-04	0.0	9.92e-05
2596	193	-2.42	16.34	0.05	-1.21e-03	0.0	5.29e-04
2596	218	12.13	-4.02	-0.77	1.62e-04	0.0	-9.70e-05
2596	219	-13.12	5.47	0.66	-4.71e-04	0.0	1.19e-04
2596	225	-2.83	19.54	0.07	-1.42e-03	0.0	6.30e-04
2596	249	0.06	0.48	-0.11	-1.17e-04	0.0	-6.41e-06
2596	264	-1.35	0.89	-9.13e-03	-1.82e-04	0.0	4.20e-05
2596	276	-0.54	1.59	-0.07	-2.29e-04	0.0	1.11e-05
2596	302	-0.23	0.45	-0.07	-1.03e-04	0.0	4.06e-06
2596	305	-0.66	0.73	-0.05	-1.55e-04	0.0	1.66e-05
2596	307	-0.49	0.88	-0.06	-1.64e-04	0.0	1.04e-05
2596	309	-0.31	0.46	-0.07	-1.03e-04	0.0	6.99e-06
2596	310	-0.50	0.72	-0.06	-1.54e-04	0.0	1.08e-05
2597	11	-0.21	0.93	-0.20	-2.80e-04	0.0	6.52e-06
2597	44	-1.65	0.98	-0.11	-2.35e-04	0.0	3.28e-05
2597	68	-0.50	1.97	-0.17	-3.27e-04	0.0	9.66e-06
2597	122	8.88	-2.44	-0.43	1.26e-04	0.0	-5.08e-05
2597	123	-9.55	3.54	0.21	-4.30e-04	0.0	6.49e-05
2597	129	-1.84	12.52	-0.07	-1.27e-03	0.0	4.42e-04

2597	154	10.03	-2.84	-0.47	1.63e-04	0.0	-5.88e-05
2597	155	-10.70	3.94	0.25	-4.67e-04	0.0	7.29e-05
2597	161	-2.04	14.11	-0.06	-1.42e-03	0.0	4.98e-04
2597	186	9.88	-2.98	-0.46	1.77e-04	0.0	-6.35e-05
2597	187	-10.55	4.09	0.25	-4.81e-04	0.0	7.75e-05
2597	193	-2.09	14.64	-0.06	-1.47e-03	0.0	5.08e-04
2597	218	11.57	-3.72	-0.52	2.45e-04	0.0	-7.98e-05
2597	219	-12.24	4.82	0.30	-5.50e-04	0.0	9.38e-05
2597	225	-2.46	17.53	-0.05	-1.74e-03	0.0	6.06e-04
2597	247	-0.16	0.65	-0.14	-1.95e-04	0.0	4.75e-06
2597	264	-1.12	0.68	-0.08	-1.65e-04	0.0	2.23e-05
2597	276	-0.35	1.34	-0.12	-2.26e-04	0.0	6.84e-06
2597	301	-0.34	0.57	-0.11	-1.58e-04	0.0	7.32e-06
2597	305	-0.48	0.56	-0.10	-1.50e-04	0.0	9.83e-06
2597	307	-0.33	0.70	-0.11	-1.62e-04	0.0	6.75e-06
2597	310	-0.33	0.55	-0.11	-1.52e-04	0.0	7.02e-06
2598	11	-0.35	1.08	-0.20	-2.78e-04	0.0	5.08e-06
2598	44	-1.83	1.11	-0.11	-2.43e-04	0.0	5.17e-05
2598	68	-0.64	2.15	-0.17	-3.27e-04	0.0	1.20e-05
2598	122	9.08	-2.50	-0.44	1.02e-04	0.0	-6.04e-05
2598	123	-9.92	3.77	0.22	-4.06e-04	0.0	7.76e-05
2598	129	-1.99	13.19	-0.07	-1.18e-03	0.0	4.53e-04
2598	154	10.26	-2.92	-0.48	1.36e-04	0.0	-6.97e-05
2598	155	-11.10	4.19	0.26	-4.40e-04	0.0	8.70e-05
2598	161	-2.20	14.86	-0.06	-1.31e-03	0.0	5.11e-04
2598	186	10.11	-3.08	-0.48	1.49e-04	0.0	-7.44e-05
2598	187	-10.95	4.35	0.25	-4.53e-04	0.0	9.17e-05
2598	193	-2.26	15.41	-0.06	-1.36e-03	0.0	5.21e-04
2598	218	11.85	-3.85	-0.54	2.11e-04	0.0	-9.29e-05
2598	219	-12.69	5.12	0.31	-5.16e-04	0.0	1.10e-04
2598	225	-2.65	18.44	-0.05	-1.60e-03	0.0	6.21e-04
2598	247	-0.25	0.75	-0.15	-1.94e-04	0.0	3.91e-06
2598	264	-1.24	0.77	-0.09	-1.70e-04	0.0	3.50e-05
2598	276	-0.45	1.46	-0.13	-2.26e-04	0.0	8.54e-06
2598	301	-0.43	0.65	-0.12	-1.58e-04	0.0	9.08e-06
2598	305	-0.58	0.65	-0.10	-1.51e-04	0.0	1.36e-05
2598	307	-0.42	0.78	-0.11	-1.62e-04	0.0	8.30e-06
2598	310	-0.42	0.64	-0.11	-1.52e-04	0.0	8.64e-06
2599	11	-0.47	1.23	-0.21	-2.75e-04	0.0	5.86e-06
2599	44	-1.98	1.24	-0.12	-2.53e-04	0.0	6.44e-05
2599	68	-0.77	2.32	-0.18	-3.27e-04	0.0	1.51e-05
2599	122	9.28	-2.55	-0.45	7.06e-05	0.0	-6.56e-05
2599	123	-10.27	3.99	0.22	-3.75e-04	0.0	8.67e-05
2599	129	-2.14	13.79	-0.07	-1.05e-03	0.0	4.62e-04
2599	154	10.50	-2.99	-0.49	1.00e-04	0.0	-7.58e-05
2599	155	-11.49	4.42	0.27	-4.05e-04	0.0	9.70e-05
2599	161	-2.36	15.53	-0.06	-1.17e-03	0.0	5.20e-04
2599	186	10.34	-3.15	-0.49	1.12e-04	0.0	-8.06e-05
2599	187	-11.34	4.58	0.26	-4.16e-04	0.0	1.02e-04
2599	193	-2.42	16.10	-0.06	-1.21e-03	0.0	5.30e-04
2599	218	12.13	-3.95	-0.55	1.67e-04	0.0	-1.00e-04
2599	219	-13.12	5.39	0.32	-4.71e-04	0.0	1.22e-04
2599	225	-2.83	19.25	-0.05	-1.43e-03	0.0	6.31e-04
2599	247	-0.34	0.86	-0.15	-1.92e-04	0.0	4.56e-06
2599	264	-1.35	0.86	-0.09	-1.77e-04	0.0	4.36e-05
2599	276	-0.54	1.58	-0.13	-2.26e-04	0.0	1.07e-05
2599	301	-0.51	0.74	-0.12	-1.58e-04	0.0	1.11e-05
2599	305	-0.66	0.73	-0.11	-1.52e-04	0.0	1.68e-05
2599	307	-0.49	0.87	-0.11	-1.62e-04	0.0	1.02e-05
2599	310	-0.50	0.72	-0.11	-1.52e-04	0.0	1.06e-05
2600	4	-0.29	1.03	-0.28	-2.97e-04	0.0	6.11e-06
2600	44	-1.66	0.97	-0.21	-2.18e-04	0.0	3.55e-05
2600	68	-0.51	1.97	-0.25	-3.25e-04	0.0	9.12e-06
2600	121	7.08	4.18	-0.33	-4.89e-04	0.0	1.37e-04
2600	123	-9.55	3.49	-8.90e-03	-4.20e-04	0.0	6.42e-05
2600	129	-1.84	12.34	-0.22	-1.24e-03	0.0	4.08e-04
2600	153	8.00	4.66	-0.35	-5.34e-04	0.0	1.54e-04
2600	155	-10.70	3.88	9.78e-03	-4.56e-04	0.0	7.20e-05
2600	161	-2.04	13.91	-0.23	-1.38e-03	0.0	4.60e-04
2600	185	7.85	4.81	-0.35	-5.46e-04	0.0	1.56e-04
2600	187	-10.55	4.02	7.59e-03	-4.69e-04	0.0	7.61e-05
2600	193	-2.09	14.42	-0.23	-1.43e-03	0.0	4.69e-04
2600	217	9.15	5.68	-0.38	-6.26e-04	0.0	1.84e-04
2600	219	-12.24	4.75	0.03	-5.35e-04	0.0	9.18e-05
2600	225	-2.46	17.27	-0.24	-1.69e-03	0.0	5.59e-04

2600	244	-0.21	0.71	-0.20	-2.06e-04	0.0	4.48e-06
2600	264	-1.12	0.67	-0.16	-1.53e-04	0.0	2.41e-05
2600	276	-0.36	1.34	-0.18	-2.25e-04	0.0	6.49e-06
2600	301	-0.34	0.57	-0.16	-1.57e-04	0.0	7.14e-06
2600	305	-0.49	0.56	-0.15	-1.47e-04	0.0	1.00e-05
2600	307	-0.33	0.69	-0.16	-1.61e-04	0.0	6.49e-06
2600	310	-0.34	0.55	-0.16	-1.51e-04	0.0	6.81e-06
2601	11	-0.35	1.08	-0.28	-2.78e-04	0.0	4.35e-06
2601	44	-1.83	1.08	-0.22	-2.29e-04	0.0	5.27e-05
2601	68	-0.65	2.14	-0.25	-3.25e-04	0.0	1.10e-05
2601	121	7.21	4.43	-0.34	-4.63e-04	0.0	1.43e-04
2601	123	-9.92	3.72	-6.22e-03	-4.00e-04	0.0	7.97e-05
2601	129	-2.00	12.99	-0.23	-1.16e-03	0.0	4.42e-04
2601	153	8.16	4.94	-0.36	-5.04e-04	0.0	1.60e-04
2601	155	-11.10	4.13	0.01	-4.33e-04	0.0	8.93e-05
2601	161	-2.20	14.64	-0.23	-1.29e-03	0.0	4.99e-04
2601	185	8.00	5.09	-0.36	-5.15e-04	0.0	1.62e-04
2601	187	-10.96	4.28	0.01	-4.45e-04	0.0	9.39e-05
2601	193	-2.26	15.18	-0.23	-1.33e-03	0.0	5.08e-04
2601	217	9.34	6.00	-0.39	-5.89e-04	0.0	1.91e-04
2601	219	-12.69	5.04	0.04	-5.07e-04	0.0	1.13e-04
2601	225	-2.65	18.16	-0.24	-1.58e-03	0.0	6.06e-04
2601	247	-0.26	0.75	-0.20	-1.93e-04	0.0	3.42e-06
2601	264	-1.24	0.75	-0.16	-1.61e-04	0.0	3.56e-05
2601	276	-0.45	1.46	-0.18	-2.24e-04	0.0	7.85e-06
2601	301	-0.43	0.65	-0.17	-1.57e-04	0.0	8.73e-06
2601	305	-0.58	0.64	-0.16	-1.48e-04	0.0	1.34e-05
2601	307	-0.42	0.78	-0.16	-1.61e-04	0.0	7.83e-06
2601	310	-0.42	0.63	-0.16	-1.51e-04	0.0	8.24e-06
2602	11	-0.47	1.23	-0.29	-2.73e-04	0.0	5.47e-06
2602	44	-1.99	1.21	-0.22	-2.45e-04	0.0	6.46e-05
2602	68	-0.77	2.31	-0.26	-3.24e-04	0.0	1.41e-05
2602	121	7.34	4.67	-0.35	-4.27e-04	0.0	1.46e-04
2602	123	-10.27	3.93	-3.96e-03	-3.71e-04	0.0	9.00e-05
2602	129	-2.14	13.58	-0.23	-1.04e-03	0.0	4.63e-04
2602	153	8.31	5.19	-0.37	-4.64e-04	0.0	1.64e-04
2602	155	-11.49	4.36	0.02	-4.01e-04	0.0	1.01e-04
2602	161	-2.36	15.30	-0.24	-1.16e-03	0.0	5.22e-04
2602	185	8.15	5.35	-0.36	-4.73e-04	0.0	1.65e-04
2602	187	-11.34	4.51	0.01	-4.11e-04	0.0	1.06e-04
2602	193	-2.42	15.86	-0.24	-1.20e-03	0.0	5.31e-04
2602	217	9.53	6.30	-0.40	-5.39e-04	0.0	1.95e-04
2602	219	-13.12	5.30	0.04	-4.66e-04	0.0	1.26e-04
2602	225	-2.83	18.96	-0.25	-1.41e-03	0.0	6.33e-04
2602	247	-0.34	0.85	-0.20	-1.90e-04	0.0	4.29e-06
2602	264	-1.35	0.84	-0.16	-1.71e-04	0.0	4.37e-05
2602	276	-0.54	1.58	-0.19	-2.24e-04	0.0	1.00e-05
2602	301	-0.51	0.73	-0.17	-1.56e-04	0.0	1.08e-05
2602	305	-0.66	0.72	-0.16	-1.50e-04	0.0	1.65e-05
2602	307	-0.49	0.86	-0.16	-1.60e-04	0.0	9.73e-06
2602	310	-0.50	0.71	-0.16	-1.50e-04	0.0	1.02e-05
2603	4	-0.29	1.02	-0.35	-2.98e-04	0.0	6.04e-06
2603	44	-1.66	0.95	-0.30	-2.03e-04	0.0	3.27e-05
2603	68	-0.51	1.96	-0.32	-3.24e-04	0.0	7.86e-06
2603	123	-9.56	3.44	-0.15	-4.09e-04	0.0	6.98e-05
2603	125	7.60	4.16	-0.29	-4.71e-04	0.0	6.83e-05
2603	137	-0.10	12.26	-0.28	-1.18e-03	0.0	2.11e-04
2603	155	-10.70	3.82	-0.14	-4.44e-04	0.0	7.83e-05
2603	157	8.59	4.64	-0.30	-5.13e-04	0.0	7.60e-05
2603	169	-0.07	13.80	-0.29	-1.32e-03	0.0	2.36e-04
2603	187	-10.56	3.96	-0.14	-4.56e-04	0.0	8.22e-05
2603	189	8.46	4.74	-0.30	-5.21e-04	0.0	7.45e-05
2603	193	-2.10	14.23	-0.27	-1.38e-03	0.0	4.47e-04
2603	219	-12.24	4.68	-0.13	-5.20e-04	0.0	9.88e-05
2603	221	9.89	5.54	-0.32	-5.91e-04	0.0	8.60e-05
2603	225	-2.47	17.03	-0.28	-1.63e-03	0.0	5.33e-04
2603	244	-0.21	0.71	-0.25	-2.07e-04	0.0	4.43e-06
2603	264	-1.12	0.66	-0.22	-1.43e-04	0.0	2.22e-05
2603	276	-0.36	1.34	-0.23	-2.24e-04	0.0	5.64e-06
2603	298	-0.36	0.58	-0.21	-1.58e-04	0.0	6.75e-06
2603	305	-0.49	0.55	-0.20	-1.44e-04	0.0	9.29e-06
2603	307	-0.34	0.69	-0.20	-1.60e-04	0.0	5.98e-06
2603	310	-0.34	0.55	-0.20	-1.50e-04	0.0	6.39e-06
2604	4	-0.44	1.18	-0.36	-2.93e-04	0.0	5.53e-06
2604	44	-1.84	1.05	-0.31	-2.17e-04	0.0	4.50e-05

2604	68	-0.65	2.14	-0.33	-3.22e-04	0.0	9.35e-06
2604	123	-9.92	3.66	-0.15	-3.90e-04	0.0	8.27e-05
2604	125	7.75	4.40	-0.30	-4.51e-04	0.0	7.55e-05
2604	137	-0.20	12.89	-0.28	-1.12e-03	0.0	2.37e-04
2604	155	-11.11	4.07	-0.14	-4.23e-04	0.0	9.28e-05
2604	157	8.76	4.90	-0.31	-4.90e-04	0.0	8.40e-05
2604	169	-0.17	14.50	-0.29	-1.25e-03	0.0	2.65e-04
2604	187	-10.96	4.21	-0.14	-4.34e-04	0.0	9.72e-05
2604	189	8.63	5.01	-0.31	-4.98e-04	0.0	8.26e-05
2604	193	-2.27	14.95	-0.27	-1.30e-03	0.0	4.97e-04
2604	219	-12.69	4.96	-0.13	-4.94e-04	0.0	1.17e-04
2604	221	10.11	5.84	-0.32	-5.64e-04	0.0	9.55e-05
2604	225	-2.66	17.89	-0.29	-1.53e-03	0.0	5.93e-04
2604	244	-0.32	0.82	-0.26	-2.03e-04	0.0	4.19e-06
2604	264	-1.25	0.73	-0.22	-1.52e-04	0.0	3.05e-05
2604	276	-0.46	1.45	-0.23	-2.23e-04	0.0	6.74e-06
2604	298	-0.45	0.66	-0.21	-1.57e-04	0.0	8.02e-06
2604	305	-0.58	0.63	-0.21	-1.45e-04	0.0	1.19e-05
2604	307	-0.42	0.78	-0.21	-1.59e-04	0.0	7.11e-06
2604	310	-0.42	0.63	-0.21	-1.49e-04	0.0	7.63e-06
2605	4	-0.57	1.34	-0.37	-2.85e-04	0.0	7.85e-06
2605	44	-1.99	1.17	-0.31	-2.38e-04	0.0	5.43e-05
2605	68	-0.77	2.31	-0.33	-3.20e-04	0.0	1.28e-05
2605	123	-10.27	3.87	-0.15	-3.65e-04	0.0	9.33e-05
2605	125	7.90	4.63	-0.30	-4.23e-04	0.0	8.10e-05
2605	137	-0.28	13.46	-0.28	-1.03e-03	0.0	2.56e-04
2605	155	-11.49	4.29	-0.14	-3.94e-04	0.0	1.05e-04
2605	157	8.94	5.15	-0.31	-4.58e-04	0.0	9.00e-05
2605	169	-0.26	15.14	-0.29	-1.15e-03	0.0	2.87e-04
2605	187	-11.34	4.45	-0.14	-4.04e-04	0.0	1.09e-04
2605	189	8.81	5.26	-0.31	-4.65e-04	0.0	8.86e-05
2605	193	-2.42	15.62	-0.28	-1.18e-03	0.0	5.32e-04
2605	219	-13.12	5.22	-0.13	-4.57e-04	0.0	1.31e-04
2605	221	10.32	6.12	-0.33	-5.25e-04	0.0	1.02e-04
2605	225	-2.83	18.68	-0.29	-1.39e-03	0.0	6.35e-04
2605	244	-0.41	0.93	-0.26	-1.98e-04	0.0	5.88e-06
2605	264	-1.35	0.82	-0.22	-1.67e-04	0.0	3.68e-05
2605	276	-0.54	1.57	-0.24	-2.22e-04	0.0	9.16e-06
2605	298	-0.53	0.75	-0.22	-1.56e-04	0.0	1.02e-05
2605	305	-0.66	0.71	-0.21	-1.47e-04	0.0	1.47e-05
2605	307	-0.50	0.86	-0.21	-1.58e-04	0.0	9.20e-06
2605	310	-0.50	0.71	-0.21	-1.48e-04	0.0	9.74e-06
2606	44	-1.67	0.93	-0.39	-1.94e-04	0.0	1.83e-05
2606	52	-0.62	1.68	-0.44	-3.30e-04	0.0	9.87e-06
2606	68	-0.52	1.96	-0.40	-3.23e-04	0.0	6.84e-06
2606	123	-9.56	3.39	-0.28	-3.99e-04	0.0	7.52e-05
2606	137	-0.11	12.20	-0.35	-1.16e-03	0.0	2.03e-04
2606	155	-10.71	3.77	-0.28	-4.32e-04	0.0	8.45e-05
2606	169	-0.08	13.73	-0.36	-1.29e-03	0.0	2.28e-04
2606	187	-10.56	3.91	-0.29	-4.44e-04	0.0	8.84e-05
2606	201	-0.05	14.09	-0.37	-1.32e-03	0.0	2.26e-04
2606	219	-12.25	4.61	-0.29	-5.06e-04	0.0	1.06e-04
2606	225	-2.47	16.80	-0.39	-1.58e-03	0.0	5.26e-04
2606	233	0.01	16.67	-0.39	-1.55e-03	0.0	2.64e-04
2606	264	-1.13	0.65	-0.28	-1.37e-04	0.0	1.26e-05
2606	268	-0.43	1.15	-0.31	-2.28e-04	0.0	6.98e-06
2606	276	-0.36	1.33	-0.28	-2.23e-04	0.0	4.96e-06
2606	298	-0.36	0.58	-0.26	-1.57e-04	0.0	6.48e-06
2606	305	-0.49	0.55	-0.25	-1.42e-04	0.0	7.17e-06
2606	307	-0.34	0.69	-0.25	-1.59e-04	0.0	5.64e-06
2606	310	-0.34	0.54	-0.25	-1.49e-04	0.0	6.15e-06
2607	44	-1.84	1.03	-0.40	-2.09e-04	0.0	1.78e-05
2607	52	-0.79	1.86	-0.45	-3.26e-04	0.0	1.16e-05
2607	68	-0.66	2.13	-0.41	-3.20e-04	0.0	8.04e-06
2607	123	-9.93	3.61	-0.29	-3.81e-04	0.0	8.46e-05
2607	137	-0.20	12.81	-0.35	-1.10e-03	0.0	2.30e-04
2607	155	-11.11	4.01	-0.29	-4.12e-04	0.0	9.50e-05
2607	169	-0.17	14.41	-0.37	-1.22e-03	0.0	2.58e-04
2607	187	-10.96	4.15	-0.29	-4.23e-04	0.0	9.94e-05
2607	201	-0.15	14.79	-0.37	-1.25e-03	0.0	2.56e-04
2607	219	-12.70	4.89	-0.30	-4.81e-04	0.0	1.19e-04
2607	225	-2.66	17.63	-0.39	-1.48e-03	0.0	5.83e-04
2607	233	-0.09	17.49	-0.39	-1.46e-03	0.0	3.00e-04
2607	264	-1.25	0.72	-0.29	-1.47e-04	0.0	1.24e-05
2607	268	-0.55	1.27	-0.32	-2.26e-04	0.0	8.19e-06

2607	276	-0.46	1.45	-0.29	-2.21e-04	0.0	5.85e-06
2607	298	-0.45	0.66	-0.27	-1.56e-04	0.0	7.62e-06
2607	305	-0.58	0.63	-0.26	-1.43e-04	0.0	7.93e-06
2607	307	-0.43	0.77	-0.26	-1.58e-04	0.0	6.63e-06
2607	310	-0.43	0.62	-0.26	-1.47e-04	0.0	7.26e-06
2608	44	-1.99	1.15	-0.41	-2.33e-04	0.0	2.00e-05
2608	52	-0.92	2.03	-0.46	-3.23e-04	0.0	1.61e-05
2608	68	-0.77	2.30	-0.41	-3.17e-04	0.0	1.21e-05
2608	123	-10.27	3.81	-0.29	-3.57e-04	0.0	9.48e-05
2608	137	-0.28	13.37	-0.36	-1.02e-03	0.0	2.54e-04
2608	155	-11.49	4.23	-0.29	-3.86e-04	0.0	1.06e-04
2608	169	-0.26	15.04	-0.37	-1.13e-03	0.0	2.85e-04
2608	187	-11.34	4.38	-0.29	-3.96e-04	0.0	1.11e-04
2608	201	-0.23	15.44	-0.37	-1.16e-03	0.0	2.85e-04
2608	219	-13.12	5.14	-0.30	-4.48e-04	0.0	1.33e-04
2608	225	-2.83	18.39	-0.39	-1.36e-03	0.0	6.33e-04
2608	233	-0.18	18.24	-0.39	-1.35e-03	0.0	3.34e-04
2608	264	-1.35	0.80	-0.29	-1.63e-04	0.0	1.39e-05
2608	268	-0.64	1.39	-0.33	-2.23e-04	0.0	1.13e-05
2608	276	-0.54	1.57	-0.30	-2.19e-04	0.0	8.68e-06
2608	298	-0.53	0.74	-0.27	-1.54e-04	0.0	1.01e-05
2608	305	-0.66	0.70	-0.26	-1.45e-04	0.0	1.00e-05
2608	307	-0.50	0.86	-0.26	-1.56e-04	0.0	8.98e-06
2608	310	-0.50	0.70	-0.26	-1.46e-04	0.0	9.59e-06
2609	28	-1.32	1.06	-0.57	-2.58e-04	0.0	-1.86e-06
2609	44	-1.68	0.92	-0.51	-2.04e-04	0.0	-1.56e-05
2609	68	-0.53	1.96	-0.51	-3.23e-04	0.0	9.37e-06
2609	123	-9.57	3.34	-0.42	-3.92e-04	0.0	7.65e-05
2609	135	-5.84	10.95	-0.46	-1.05e-03	0.0	2.91e-04
2609	137	-0.11	12.14	-0.42	-1.14e-03	0.0	1.97e-04
2609	155	-10.71	3.72	-0.43	-4.24e-04	0.0	8.57e-05
2609	167	-6.53	12.33	-0.48	-1.17e-03	0.0	3.28e-04
2609	169	-0.08	13.66	-0.43	-1.27e-03	0.0	2.21e-04
2609	187	-10.57	3.86	-0.43	-4.36e-04	0.0	8.96e-05
2609	199	-6.50	12.80	-0.48	-1.21e-03	0.0	3.37e-04
2609	201	-0.05	14.02	-0.43	-1.30e-03	0.0	2.18e-04
2609	219	-12.25	4.55	-0.45	-4.95e-04	0.0	1.07e-04
2609	231	-7.58	15.32	-0.52	-1.42e-03	0.0	4.03e-04
2609	233	6.70e-03	16.59	-0.45	-1.52e-03	0.0	2.54e-04
2609	256	-0.90	0.73	-0.40	-1.80e-04	0.0	0.0
2609	264	-1.14	0.64	-0.36	-1.44e-04	0.0	-9.90e-06
2609	276	-0.37	1.33	-0.36	-2.24e-04	0.0	6.71e-06
2609	298	-0.37	0.57	-0.33	-1.57e-04	0.0	8.40e-06
2609	305	-0.50	0.55	-0.32	-1.43e-04	0.0	4.07e-06
2609	307	-0.34	0.68	-0.32	-1.59e-04	0.0	7.39e-06
2609	310	-0.35	0.54	-0.32	-1.48e-04	0.0	7.92e-06
2610	28	-1.51	1.19	-0.58	-2.61e-04	0.0	-1.72e-05
2610	44	-1.85	1.03	-0.52	-2.14e-04	0.0	-4.26e-05
2610	68	-0.66	2.13	-0.52	-3.17e-04	0.0	1.07e-05
2610	123	-9.93	3.56	-0.42	-3.73e-04	0.0	8.39e-05
2610	135	-6.11	11.50	-0.46	-9.87e-04	0.0	3.24e-04
2610	137	-0.21	12.73	-0.42	-1.07e-03	0.0	2.22e-04
2610	155	-11.11	3.95	-0.44	-4.03e-04	0.0	9.39e-05
2610	167	-6.83	12.95	-0.48	-1.10e-03	0.0	3.66e-04
2610	169	-0.18	14.33	-0.43	-1.20e-03	0.0	2.48e-04
2610	187	-10.97	4.09	-0.44	-4.13e-04	0.0	9.83e-05
2610	199	-6.79	13.43	-0.49	-1.13e-03	0.0	3.76e-04
2610	201	-0.15	14.70	-0.44	-1.22e-03	0.0	2.46e-04
2610	219	-12.70	4.82	-0.46	-4.69e-04	0.0	1.17e-04
2610	231	-7.92	16.07	-0.52	-1.34e-03	0.0	4.50e-04
2610	233	-0.09	17.39	-0.46	-1.43e-03	0.0	2.88e-04
2610	256	-1.03	0.83	-0.41	-1.82e-04	0.0	-1.09e-05
2610	264	-1.26	0.72	-0.37	-1.50e-04	0.0	-2.79e-05
2610	276	-0.46	1.45	-0.37	-2.19e-04	0.0	7.66e-06
2610	298	-0.46	0.66	-0.34	-1.54e-04	0.0	9.41e-06
2610	305	-0.59	0.62	-0.33	-1.42e-04	0.0	1.21e-06
2610	307	-0.43	0.77	-0.33	-1.56e-04	0.0	8.31e-06
2610	310	-0.43	0.62	-0.33	-1.46e-04	0.0	8.90e-06
2611	28	-1.65	1.33	-0.59	-2.70e-04	0.0	-2.37e-05
2611	44	-1.99	1.15	-0.53	-2.32e-04	0.0	-5.52e-05
2611	68	-0.78	2.29	-0.52	-3.12e-04	0.0	1.34e-05
2611	123	-10.28	3.75	-0.43	-3.50e-04	0.0	9.16e-05
2611	135	-6.37	12.00	-0.46	-9.11e-04	0.0	3.54e-04
2611	137	-0.29	13.28	-0.42	-9.97e-04	0.0	2.46e-04
2611	155	-11.49	4.16	-0.44	-3.77e-04	0.0	1.03e-04

2611	167	-7.11	13.51	-0.48	-1.01e-03	0.0	3.99e-04
2611	169	-0.26	14.94	-0.43	-1.11e-03	0.0	2.76e-04
2611	187	-11.34	4.31	-0.44	-3.87e-04	0.0	1.07e-04
2611	199	-7.07	14.01	-0.49	-1.04e-03	0.0	4.11e-04
2611	201	-0.23	15.33	-0.44	-1.13e-03	0.0	2.74e-04
2611	219	-13.13	5.06	-0.46	-4.38e-04	0.0	1.28e-04
2611	231	-8.24	16.75	-0.52	-1.23e-03	0.0	4.92e-04
2611	233	-0.18	18.12	-0.46	-1.32e-03	0.0	3.21e-04
2611	256	-1.13	0.92	-0.41	-1.88e-04	0.0	-1.52e-05
2611	264	-1.36	0.80	-0.38	-1.62e-04	0.0	-3.62e-05
2611	276	-0.54	1.56	-0.37	-2.16e-04	0.0	9.53e-06
2611	298	-0.53	0.74	-0.34	-1.52e-04	0.0	1.07e-05
2611	305	-0.66	0.70	-0.33	-1.43e-04	0.0	0.0
2611	307	-0.50	0.85	-0.33	-1.54e-04	0.0	9.64e-06
2611	310	-0.50	0.70	-0.33	-1.44e-04	0.0	1.02e-05
2612	44	-1.48	0.64	-0.13	0.0	-1.31e-04	-3.31e-04
2612	68	-0.25	1.56	-0.09	0.0	-1.53e-04	-2.90e-05
2612	92	-0.28	0.13	-0.20	0.0	-1.76e-04	-4.32e-06
2612	123	-8.52	2.88	0.06	0.0	-1.28e-03	1.98e-05
2612	137	0.11	10.65	0.60	0.0	-5.48e-05	-9.29e-06
2612	140	-0.46	-9.90	-0.82	0.0	-1.56e-04	-7.76e-06
2612	155	-9.56	3.22	0.08	0.0	-1.42e-03	2.37e-05
2612	169	0.15	12.00	0.69	0.0	-4.83e-05	-9.20e-06
2612	172	-0.50	-11.25	-0.91	0.0	-1.62e-04	-7.85e-06
2612	187	-9.42	3.34	0.09	0.0	-1.40e-03	2.65e-05
2612	201	0.17	12.32	0.71	0.0	-4.25e-05	-5.00e-06
2612	204	-0.52	-11.57	-0.93	0.0	-1.68e-04	-1.21e-05
2612	219	-10.94	3.96	0.13	0.0	-1.62e-03	3.53e-05
2612	225	-1.86	14.74	0.86	0.0	-3.56e-04	4.36e-04
2612	236	-0.59	-13.85	-1.09	0.0	-1.81e-04	-1.37e-05
2612	264	-1.00	0.45	-0.10	0.0	-9.27e-05	-2.21e-04
2612	276	-0.18	1.06	-0.07	0.0	-1.07e-04	-1.99e-05
2612	288	-0.20	0.10	-0.14	0.0	-1.22e-04	-3.48e-06
2612	298	-0.18	0.40	-0.11	0.0	-1.12e-04	-8.88e-06
2612	305	-0.33	0.38	-0.10	0.0	-1.00e-04	-5.10e-05
2612	307	-0.17	0.50	-0.10	0.0	-1.03e-04	-1.07e-05
2612	310	-0.17	0.37	-0.11	0.0	-1.05e-04	-8.53e-06
2613	44	-1.45	0.83	-0.14	0.0	-8.67e-05	-2.28e-05
2613	68	-0.34	1.79	-0.10	0.0	-1.63e-04	-6.74e-06
2613	76	-0.44	0.57	-0.21	0.0	-2.14e-04	-2.80e-06
2613	123	-9.16	3.16	0.05	0.0	-1.28e-03	1.48e-05
2613	137	0.09	11.56	0.59	0.0	-6.04e-05	1.88e-04
2613	140	-0.55	-10.63	-0.82	0.0	-1.63e-04	-1.93e-04
2613	155	-10.27	3.52	0.08	0.0	-1.42e-03	1.75e-05
2613	169	0.13	13.02	0.69	0.0	-5.38e-05	2.12e-04
2613	172	-0.59	-12.09	-0.92	0.0	-1.70e-04	-2.17e-04
2613	187	-10.12	3.65	0.08	0.0	-1.40e-03	2.10e-05
2613	201	0.16	13.36	0.71	0.0	-4.81e-05	2.10e-04
2613	204	-0.62	-12.43	-0.94	0.0	-1.75e-04	-2.14e-04
2613	219	-11.75	4.32	0.13	0.0	-1.62e-03	2.83e-05
2613	225	-2.04	15.92	0.85	0.0	-3.60e-04	4.68e-04
2613	236	-0.70	-14.89	-1.10	0.0	-1.89e-04	-2.51e-04
2613	264	-0.98	0.58	-0.10	0.0	-6.34e-05	-1.53e-05
2613	276	-0.24	1.21	-0.08	0.0	-1.14e-04	-4.60e-06
2613	280	-0.31	0.40	-0.15	0.0	-1.49e-04	-1.98e-06
2613	298	-0.25	0.49	-0.12	0.0	-1.19e-04	-2.42e-06
2613	305	-0.38	0.47	-0.11	0.0	-9.95e-05	-4.91e-06
2613	307	-0.23	0.60	-0.11	0.0	-1.10e-04	-2.77e-06
2613	310	-0.23	0.46	-0.12	0.0	-1.12e-04	-2.33e-06
2614	44	-2.26	1.57	0.12	-2.66e-04	0.0	6.48e-05
2614	47	-2.01	1.20	0.14	-1.94e-04	0.0	5.82e-05
2614	68	-0.99	2.67	0.01	-3.36e-04	0.0	2.43e-05
2614	123	-10.90	4.45	0.81	-3.17e-04	0.0	9.17e-05
2614	129	-2.40	15.11	0.16	-8.10e-04	0.0	4.58e-04
2614	155	-12.18	4.93	0.91	-3.38e-04	0.0	1.02e-04
2614	161	-2.64	17.00	0.18	-8.97e-04	0.0	5.15e-04
2614	187	-12.02	5.10	0.90	-3.46e-04	0.0	1.07e-04
2614	193	-2.71	17.62	0.18	-9.23e-04	0.0	5.23e-04
2614	219	-13.90	5.97	1.04	-3.86e-04	0.0	1.26e-04
2614	225	-3.15	21.05	0.22	-1.08e-03	0.0	6.22e-04
2614	263	-1.50	1.02	0.08	-1.70e-04	0.0	4.26e-05
2614	264	-1.54	1.09	0.08	-1.86e-04	0.0	4.41e-05
2614	276	-0.69	1.83	2.62e-03	-2.32e-04	0.0	1.71e-05
2614	302	-0.32	0.56	-0.04	-1.04e-04	0.0	7.41e-06
2614	305	-0.80	0.90	0.02	-1.58e-04	0.0	2.08e-05

2614	307	-0.63	1.05	2.07e-03	-1.67e-04	0.0	1.54e-05
2614	309	-0.41	0.57	-0.03	-1.05e-04	0.0	1.00e-05
2614	310	-0.63	0.88	1.93e-03	-1.57e-04	0.0	1.56e-05
2615	28	-1.79	1.49	-0.74	-2.74e-04	-2.67e-04	-1.05e-04
2615	44	-2.12	1.32	-0.67	-2.40e-04	-2.58e-04	-1.90e-04
2615	68	-0.88	2.44	-0.65	-3.08e-04	-2.11e-04	1.47e-05
2615	123	-10.59	3.87	-0.57	-3.26e-04	-6.24e-04	7.65e-05
2615	135	-6.60	12.25	-0.57	-8.29e-04	-4.67e-04	3.24e-04
2615	137	-0.36	13.67	-0.49	-9.15e-04	-1.56e-04	2.24e-04
2615	155	-11.84	4.28	-0.59	-3.51e-04	-6.86e-04	8.56e-05
2615	167	-7.36	13.78	-0.59	-9.20e-04	-5.10e-04	3.65e-04
2615	169	-0.33	15.37	-0.50	-1.02e-03	-1.60e-04	2.51e-04
2615	187	-11.68	4.43	-0.59	-3.59e-04	-6.79e-04	8.99e-05
2615	199	-7.33	14.29	-0.60	-9.48e-04	-5.12e-04	3.75e-04
2615	201	-0.31	15.77	-0.50	-1.04e-03	-1.62e-04	2.48e-04
2615	219	-13.51	5.20	-0.62	-4.04e-04	-7.71e-04	1.08e-04
2615	231	-8.53	17.08	-0.63	-1.11e-03	-5.82e-04	4.49e-04
2615	233	-0.26	18.63	-0.52	-1.21e-03	-1.69e-04	2.90e-04
2615	256	-1.22	1.03	-0.53	-1.90e-04	-1.85e-04	-6.93e-05
2615	264	-1.45	0.92	-0.48	-1.67e-04	-1.79e-04	-1.26e-04
2615	276	-0.61	1.66	-0.46	-2.13e-04	-1.48e-04	1.03e-05
2615	298	-0.60	0.81	-0.43	-1.51e-04	-1.33e-04	1.01e-05
2615	305	-0.73	0.77	-0.42	-1.43e-04	-1.33e-04	-1.78e-05
2615	307	-0.56	0.92	-0.41	-1.52e-04	-1.27e-04	9.42e-06
2615	310	-0.56	0.76	-0.41	-1.43e-04	-1.26e-04	9.45e-06
2616	16	0.07	0.75	-0.15	-1.61e-04	0.0	-9.14e-06
2616	44	-2.12	1.41	-3.18e-03	-2.64e-04	0.0	6.68e-05
2616	68	-0.88	2.49	-0.09	-3.31e-04	0.0	1.94e-05
2616	122	9.47	-2.63	-0.62	3.55e-05	0.0	-6.40e-05
2616	123	-10.59	4.23	0.50	-3.44e-04	0.0	8.98e-05
2616	129	-2.27	14.48	0.03	-9.27e-04	0.0	4.62e-04
2616	154	10.71	-3.09	-0.69	6.09e-05	0.0	-7.43e-05
2616	155	-11.84	4.69	0.57	-3.70e-04	0.0	1.00e-04
2616	161	-2.50	16.30	0.05	-1.03e-03	0.0	5.20e-04
2616	186	10.56	-3.25	-0.68	7.06e-05	0.0	-7.90e-05
2616	187	-11.68	4.85	0.56	-3.79e-04	0.0	1.05e-04
2616	193	-2.56	16.90	0.05	-1.06e-03	0.0	5.29e-04
2616	218	12.39	-4.09	-0.78	1.17e-04	0.0	-9.90e-05
2616	219	-13.52	5.69	0.66	-4.26e-04	0.0	1.25e-04
2616	225	-2.99	20.20	0.07	-1.25e-03	0.0	6.30e-04
2616	249	0.02	0.54	-0.11	-1.16e-04	0.0	-5.33e-06
2616	264	-1.44	0.98	-0.01	-1.85e-04	0.0	4.53e-05
2616	276	-0.62	1.70	-0.07	-2.29e-04	0.0	1.37e-05
2616	302	-0.28	0.50	-0.08	-1.02e-04	0.0	5.34e-06
2616	305	-0.73	0.81	-0.05	-1.56e-04	0.0	1.90e-05
2616	307	-0.56	0.96	-0.06	-1.64e-04	0.0	1.26e-05
2616	309	-0.36	0.51	-0.07	-1.03e-04	0.0	8.37e-06
2616	310	-0.56	0.80	-0.06	-1.54e-04	0.0	1.29e-05
2617	28	-1.92	1.63	-0.75	-2.75e-04	-2.70e-04	-9.05e-05
2617	44	-2.25	1.44	-0.67	-2.42e-04	-2.57e-04	-1.65e-04
2617	68	-0.98	2.59	-0.66	-3.09e-04	-2.22e-04	1.31e-05
2617	123	-10.90	4.03	-0.57	-3.12e-04	-6.18e-04	7.90e-05
2617	135	-6.83	12.64	-0.57	-7.78e-04	-4.66e-04	3.32e-04
2617	137	-0.43	14.11	-0.49	-8.62e-04	-1.61e-04	2.32e-04
2617	155	-12.17	4.46	-0.59	-3.34e-04	-6.79e-04	8.85e-05
2617	167	-7.61	14.22	-0.59	-8.62e-04	-5.09e-04	3.75e-04
2617	169	-0.41	15.85	-0.50	-9.56e-04	-1.65e-04	2.60e-04
2617	187	-12.02	4.61	-0.59	-3.42e-04	-6.72e-04	9.30e-05
2617	199	-7.58	14.74	-0.59	-8.88e-04	-5.11e-04	3.85e-04
2617	201	-0.38	16.26	-0.50	-9.77e-04	-1.67e-04	2.58e-04
2617	219	-13.89	5.40	-0.62	-3.83e-04	-7.62e-04	1.11e-04
2617	231	-8.81	17.60	-0.63	-1.04e-03	-5.80e-04	4.61e-04
2617	233	-0.33	19.20	-0.52	-1.14e-03	-1.74e-04	3.02e-04
2617	256	-1.31	1.13	-0.53	-1.91e-04	-1.88e-04	-5.99e-05
2617	264	-1.53	1.00	-0.48	-1.69e-04	-1.79e-04	-1.10e-04
2617	276	-0.68	1.77	-0.47	-2.14e-04	-1.56e-04	9.11e-06
2617	298	-0.66	0.88	-0.43	-1.51e-04	-1.38e-04	9.31e-06
2617	305	-0.79	0.84	-0.42	-1.44e-04	-1.37e-04	-1.52e-05
2617	307	-0.62	1.00	-0.42	-1.53e-04	-1.32e-04	8.58e-06
2617	310	-0.62	0.83	-0.41	-1.44e-04	-1.31e-04	8.56e-06
2618	16	9.02e-03	0.83	-0.15	-1.60e-04	0.0	-4.06e-06
2618	44	-2.26	1.54	-6.71e-03	-2.67e-04	0.0	6.53e-05
2618	68	-0.99	2.66	-0.09	-3.31e-04	0.0	2.41e-05
2618	122	9.64	-2.64	-0.62	6.96e-06	0.0	-6.25e-05
2618	123	-10.90	4.39	0.50	-3.16e-04	0.0	9.35e-05

2618	129	-2.40	14.90	0.03	-8.12e-04	0.0	4.63e-04
2618	154	10.92	-3.11	-0.69	2.86e-05	0.0	-7.30e-05
2618	155	-12.18	4.86	0.57	-3.38e-04	0.0	1.04e-04
2618	161	-2.64	16.77	0.05	-8.99e-04	0.0	5.21e-04
2618	186	10.76	-3.28	-0.68	3.67e-05	0.0	-7.78e-05
2618	187	-12.02	5.03	0.56	-3.46e-04	0.0	1.09e-04
2618	193	-2.71	17.38	0.05	-9.26e-04	0.0	5.29e-04
2618	218	12.64	-4.14	-0.79	7.65e-05	0.0	-9.79e-05
2618	219	-13.90	5.89	0.66	-3.85e-04	0.0	1.29e-04
2618	225	-3.15	20.77	0.07	-1.08e-03	0.0	6.30e-04
2618	249	-0.03	0.60	-0.11	-1.15e-04	0.0	-1.80e-06
2618	264	-1.54	1.07	-0.01	-1.87e-04	0.0	4.44e-05
2618	276	-0.69	1.82	-0.07	-2.29e-04	0.0	1.70e-05
2618	302	-0.32	0.56	-0.08	-1.02e-04	0.0	7.28e-06
2618	305	-0.80	0.89	-0.05	-1.56e-04	0.0	2.08e-05
2618	307	-0.63	1.04	-0.06	-1.65e-04	0.0	1.53e-05
2618	309	-0.41	0.56	-0.07	-1.03e-04	0.0	9.93e-06
2618	310	-0.63	0.88	-0.06	-1.54e-04	0.0	1.55e-05
2619	11	-0.58	1.37	-0.21	-2.72e-04	0.0	9.08e-06
2619	44	-2.12	1.37	-0.12	-2.62e-04	0.0	6.90e-05
2619	68	-0.88	2.48	-0.18	-3.27e-04	0.0	1.88e-05
2619	122	9.47	-2.58	-0.46	3.98e-05	0.0	-6.69e-05
2619	123	-10.59	4.17	0.23	-3.44e-04	0.0	9.22e-05
2619	129	-2.27	14.28	-0.07	-9.29e-04	0.0	4.66e-04
2619	154	10.71	-3.04	-0.50	6.54e-05	0.0	-7.76e-05
2619	155	-11.84	4.62	0.27	-3.69e-04	0.0	1.03e-04
2619	161	-2.50	16.07	-0.07	-1.03e-03	0.0	5.24e-04
2619	186	10.56	-3.20	-0.49	7.50e-05	0.0	-8.24e-05
2619	187	-11.68	4.78	0.26	-3.79e-04	0.0	1.08e-04
2619	193	-2.56	16.66	-0.06	-1.06e-03	0.0	5.34e-04
2619	218	12.39	-4.03	-0.56	1.22e-04	0.0	-1.03e-04
2619	219	-13.51	5.61	0.33	-4.26e-04	0.0	1.28e-04
2619	225	-2.99	19.91	-0.05	-1.25e-03	0.0	6.35e-04
2619	247	-0.41	0.95	-0.15	-1.90e-04	0.0	6.82e-06
2619	264	-1.44	0.95	-0.09	-1.83e-04	0.0	4.67e-05
2619	276	-0.62	1.70	-0.13	-2.26e-04	0.0	1.33e-05
2619	301	-0.57	0.82	-0.12	-1.58e-04	0.0	1.32e-05
2619	305	-0.73	0.80	-0.11	-1.53e-04	0.0	1.90e-05
2619	307	-0.56	0.95	-0.12	-1.62e-04	0.0	1.23e-05
2619	310	-0.56	0.79	-0.11	-1.52e-04	0.0	1.26e-05
2620	11	-0.69	1.50	-0.22	-2.69e-04	0.0	1.47e-05
2620	44	-2.26	1.50	-0.12	-2.71e-04	0.0	6.66e-05
2620	68	-0.99	2.65	-0.18	-3.26e-04	0.0	2.31e-05
2620	122	9.64	-2.60	-0.46	1.21e-05	0.0	-6.51e-05
2620	123	-10.90	4.33	0.23	-3.15e-04	0.0	9.52e-05
2620	129	-2.40	14.70	-0.07	-8.16e-04	0.0	4.65e-04
2620	154	10.92	-3.06	-0.51	3.40e-05	0.0	-7.59e-05
2620	155	-12.18	4.80	0.27	-3.37e-04	0.0	1.06e-04
2620	161	-2.64	16.54	-0.07	-9.05e-04	0.0	5.23e-04
2620	186	10.76	-3.22	-0.50	4.20e-05	0.0	-8.07e-05
2620	187	-12.02	4.96	0.27	-3.45e-04	0.0	1.11e-04
2620	193	-2.71	17.14	-0.07	-9.32e-04	0.0	5.32e-04
2620	218	12.64	-4.08	-0.56	8.22e-05	0.0	-1.01e-04
2620	219	-13.90	5.81	0.33	-3.86e-04	0.0	1.31e-04
2620	225	-3.15	20.48	-0.06	-1.09e-03	0.0	6.33e-04
2620	247	-0.49	1.05	-0.16	-1.88e-04	0.0	1.07e-05
2620	264	-1.54	1.05	-0.09	-1.89e-04	0.0	4.53e-05
2620	276	-0.69	1.81	-0.13	-2.26e-04	0.0	1.63e-05
2620	301	-0.64	0.90	-0.12	-1.58e-04	0.0	1.56e-05
2620	305	-0.79	0.88	-0.11	-1.54e-04	0.0	2.06e-05
2620	307	-0.63	1.03	-0.12	-1.62e-04	0.0	1.48e-05
2620	310	-0.63	0.87	-0.12	-1.52e-04	0.0	1.50e-05
2621	11	-0.58	1.36	-0.29	-2.68e-04	0.0	8.74e-06
2621	44	-2.12	1.33	-0.22	-2.61e-04	0.0	6.89e-05
2621	68	-0.88	2.48	-0.26	-3.23e-04	0.0	1.78e-05
2621	121	7.47	4.87	-0.35	-3.91e-04	0.0	1.47e-04
2621	123	-10.59	4.11	-2.50e-03	-3.42e-04	0.0	9.59e-05
2621	129	-2.27	14.07	-0.23	-9.27e-04	0.0	4.72e-04
2621	153	8.46	5.41	-0.37	-4.22e-04	0.0	1.65e-04
2621	155	-11.84	4.55	0.02	-3.67e-04	0.0	1.07e-04
2621	161	-2.50	15.84	-0.24	-1.03e-03	0.0	5.31e-04
2621	185	8.29	5.58	-0.37	-4.31e-04	0.0	1.67e-04
2621	187	-11.68	4.71	0.02	-3.77e-04	0.0	1.12e-04
2621	193	-2.56	16.42	-0.24	-1.06e-03	0.0	5.41e-04
2621	217	9.70	6.55	-0.40	-4.88e-04	0.0	1.96e-04

2621	219	-13.51	5.53	0.04	-4.24e-04	0.0	1.34e-04
2621	225	-2.99	19.63	-0.25	-1.25e-03	0.0	6.44e-04
2621	247	-0.41	0.95	-0.21	-1.87e-04	0.0	6.59e-06
2621	264	-1.44	0.93	-0.16	-1.82e-04	0.0	4.67e-05
2621	276	-0.61	1.69	-0.19	-2.23e-04	0.0	1.26e-05
2621	301	-0.57	0.81	-0.17	-1.56e-04	0.0	1.29e-05
2621	305	-0.73	0.79	-0.16	-1.52e-04	0.0	1.87e-05
2621	307	-0.56	0.94	-0.17	-1.60e-04	0.0	1.19e-05
2621	310	-0.56	0.79	-0.17	-1.50e-04	0.0	1.23e-05
2622	11	-0.69	1.50	-0.30	-2.63e-04	0.0	1.38e-05
2622	44	-2.25	1.47	-0.23	-2.76e-04	0.0	6.61e-05
2622	68	-0.99	2.64	-0.26	-3.22e-04	0.0	2.18e-05
2622	121	7.58	5.05	-0.36	-3.57e-04	0.0	1.47e-04
2622	123	-10.90	4.27	-1.92e-03	-3.15e-04	0.0	9.85e-05
2622	129	-2.40	14.50	-0.24	-8.21e-04	0.0	4.71e-04
2622	153	8.60	5.60	-0.38	-3.85e-04	0.0	1.64e-04
2622	155	-12.18	4.73	0.02	-3.37e-04	0.0	1.10e-04
2622	161	-2.64	16.31	-0.25	-9.10e-04	0.0	5.31e-04
2622	185	8.43	5.77	-0.38	-3.92e-04	0.0	1.66e-04
2622	187	-12.02	4.89	0.02	-3.45e-04	0.0	1.15e-04
2622	193	-2.71	16.91	-0.24	-9.37e-04	0.0	5.40e-04
2622	217	9.87	6.77	-0.41	-4.41e-04	0.0	1.95e-04
2622	219	-13.90	5.73	0.05	-3.86e-04	0.0	1.36e-04
2622	225	-3.15	20.20	-0.26	-1.10e-03	0.0	6.43e-04
2622	247	-0.49	1.04	-0.21	-1.83e-04	0.0	1.01e-05
2622	264	-1.54	1.02	-0.17	-1.92e-04	0.0	4.49e-05
2622	276	-0.69	1.80	-0.19	-2.23e-04	0.0	1.54e-05
2622	301	-0.64	0.89	-0.17	-1.56e-04	0.0	1.50e-05
2622	305	-0.79	0.87	-0.16	-1.53e-04	0.0	2.00e-05
2622	307	-0.63	1.02	-0.17	-1.59e-04	0.0	1.41e-05
2622	310	-0.63	0.86	-0.17	-1.49e-04	0.0	1.44e-05
2623	4	-0.68	1.48	-0.37	-2.77e-04	0.0	1.18e-05
2623	44	-2.12	1.30	-0.32	-2.61e-04	0.0	5.86e-05
2623	68	-0.88	2.47	-0.34	-3.19e-04	0.0	1.69e-05
2623	123	-10.59	4.05	-0.15	-3.39e-04	0.0	9.98e-05
2623	125	8.04	4.83	-0.31	-3.94e-04	0.0	8.39e-05
2623	137	-0.36	13.95	-0.29	-9.40e-04	0.0	2.66e-04
2623	155	-11.84	4.49	-0.14	-3.64e-04	0.0	1.12e-04
2623	157	9.11	5.36	-0.32	-4.26e-04	0.0	9.30e-05
2623	169	-0.33	15.69	-0.30	-1.04e-03	0.0	2.98e-04
2623	187	-11.68	4.64	-0.14	-3.73e-04	0.0	1.17e-04
2623	189	8.97	5.48	-0.32	-4.32e-04	0.0	9.16e-05
2623	193	-2.56	16.18	-0.28	-1.06e-03	0.0	5.49e-04
2623	219	-13.51	5.45	-0.13	-4.20e-04	0.0	1.39e-04
2623	221	10.52	6.37	-0.33	-4.86e-04	0.0	1.05e-04
2623	225	-2.99	19.33	-0.29	-1.24e-03	0.0	6.54e-04
2623	244	-0.48	1.02	-0.26	-1.93e-04	0.0	8.66e-06
2623	264	-1.44	0.90	-0.23	-1.82e-04	0.0	3.98e-05
2623	276	-0.61	1.68	-0.24	-2.21e-04	0.0	1.20e-05
2623	298	-0.60	0.83	-0.22	-1.56e-04	0.0	1.26e-05
2623	305	-0.73	0.78	-0.21	-1.50e-04	0.0	1.71e-05
2623	307	-0.56	0.94	-0.21	-1.58e-04	0.0	1.15e-05
2623	310	-0.56	0.78	-0.21	-1.48e-04	0.0	1.20e-05
2624	4	-0.80	1.61	-0.38	-2.70e-04	0.0	1.67e-05
2624	44	-2.25	1.43	-0.32	-2.82e-04	0.0	5.75e-05
2624	68	-0.99	2.63	-0.34	-3.18e-04	0.0	2.09e-05
2624	123	-10.90	4.21	-0.15	-3.15e-04	0.0	1.02e-04
2624	125	8.18	5.01	-0.31	-3.67e-04	0.0	8.42e-05
2624	137	-0.43	14.39	-0.29	-8.56e-04	0.0	2.67e-04
2624	155	-12.18	4.66	-0.14	-3.37e-04	0.0	1.14e-04
2624	157	9.27	5.56	-0.32	-3.96e-04	0.0	9.30e-05
2624	169	-0.41	16.18	-0.30	-9.49e-04	0.0	2.99e-04
2624	187	-12.02	4.82	-0.15	-3.45e-04	0.0	1.19e-04
2624	189	9.13	5.68	-0.32	-4.01e-04	0.0	9.15e-05
2624	193	-2.71	16.66	-0.28	-9.43e-04	0.0	5.49e-04
2624	219	-13.90	5.65	-0.13	-3.86e-04	0.0	1.42e-04
2624	221	10.71	6.60	-0.34	-4.49e-04	0.0	1.05e-04
2624	225	-3.15	19.90	-0.29	-1.11e-03	0.0	6.54e-04
2624	244	-0.56	1.12	-0.27	-1.88e-04	0.0	1.20e-05
2624	264	-1.54	1.00	-0.23	-1.96e-04	0.0	3.92e-05
2624	276	-0.69	1.79	-0.24	-2.20e-04	0.0	1.48e-05
2624	301	-0.64	0.88	-0.22	-1.54e-04	0.0	1.47e-05
2624	305	-0.79	0.86	-0.21	-1.52e-04	0.0	1.85e-05
2624	307	-0.62	1.02	-0.22	-1.57e-04	0.0	1.36e-05
2624	310	-0.63	0.85	-0.22	-1.48e-04	0.0	1.40e-05

2625	44	-2.12	1.27	-0.41	-2.59e-04	0.0	2.44e-05
2625	52	-1.04	2.19	-0.46	-3.22e-04	0.0	2.09e-05
2625	68	-0.88	2.46	-0.42	-3.15e-04	0.0	1.66e-05
2625	123	-10.59	3.99	-0.29	-3.35e-04	0.0	1.02e-04
2625	137	-0.36	13.86	-0.36	-9.34e-04	0.0	2.69e-04
2625	155	-11.84	4.42	-0.30	-3.60e-04	0.0	1.14e-04
2625	169	-0.33	15.58	-0.37	-1.04e-03	0.0	3.02e-04
2625	187	-11.68	4.57	-0.30	-3.69e-04	0.0	1.19e-04
2625	201	-0.31	15.99	-0.37	-1.06e-03	0.0	3.02e-04
2625	219	-13.51	5.36	-0.30	-4.15e-04	0.0	1.42e-04
2625	225	-2.99	19.04	-0.39	-1.23e-03	0.0	6.60e-04
2625	233	-0.26	18.88	-0.40	-1.24e-03	0.0	3.54e-04
2625	264	-1.44	0.88	-0.30	-1.80e-04	0.0	1.70e-05
2625	268	-0.72	1.50	-0.33	-2.22e-04	0.0	1.47e-05
2625	276	-0.61	1.68	-0.30	-2.18e-04	0.0	1.19e-05
2625	298	-0.60	0.82	-0.28	-1.54e-04	0.0	1.25e-05
2625	305	-0.73	0.77	-0.26	-1.48e-04	0.0	1.25e-05
2625	307	-0.56	0.93	-0.27	-1.55e-04	0.0	1.14e-05
2625	310	-0.56	0.77	-0.27	-1.46e-04	0.0	1.19e-05
2626	44	-2.25	1.41	-0.42	-2.84e-04	0.0	2.97e-05
2626	52	-1.16	2.35	-0.47	-3.21e-04	0.0	2.51e-05
2626	68	-0.99	2.61	-0.43	-3.14e-04	0.0	2.07e-05
2626	123	-10.90	4.15	-0.29	-3.14e-04	0.0	1.05e-04
2626	137	-0.43	14.30	-0.36	-8.60e-04	0.0	2.73e-04
2626	155	-12.18	4.60	-0.29	-3.37e-04	0.0	1.17e-04
2626	169	-0.41	16.07	-0.37	-9.54e-04	0.0	3.05e-04
2626	187	-12.02	4.75	-0.29	-3.45e-04	0.0	1.22e-04
2626	201	-0.39	16.49	-0.38	-9.75e-04	0.0	3.05e-04
2626	219	-13.90	5.57	-0.30	-3.86e-04	0.0	1.45e-04
2626	225	-3.15	19.61	-0.39	-1.11e-03	0.0	6.63e-04
2626	233	-0.34	19.46	-0.40	-1.13e-03	0.0	3.57e-04
2626	264	-1.53	0.98	-0.30	-1.97e-04	0.0	2.07e-05
2626	268	-0.81	1.61	-0.33	-2.22e-04	0.0	1.76e-05
2626	276	-0.69	1.79	-0.30	-2.17e-04	0.0	1.46e-05
2626	298	-0.66	0.90	-0.28	-1.54e-04	0.0	1.45e-05
2626	305	-0.79	0.85	-0.27	-1.51e-04	0.0	1.46e-05
2626	307	-0.62	1.01	-0.27	-1.55e-04	0.0	1.34e-05
2626	310	-0.63	0.85	-0.27	-1.46e-04	0.0	1.38e-05
2627	28	-1.79	1.47	-0.59	-2.82e-04	0.0	-2.07e-05
2627	44	-2.12	1.27	-0.53	-2.52e-04	0.0	-5.23e-05
2627	68	-0.88	2.45	-0.53	-3.11e-04	0.0	1.66e-05
2627	123	-10.59	3.93	-0.43	-3.30e-04	0.0	9.75e-05
2627	135	-6.60	12.43	-0.47	-8.40e-04	0.0	3.72e-04
2627	137	-0.36	13.76	-0.42	-9.25e-04	0.0	2.62e-04
2627	155	-11.84	4.35	-0.44	-3.55e-04	0.0	1.09e-04
2627	167	-7.36	13.99	-0.48	-9.33e-04	0.0	4.20e-04
2627	169	-0.33	15.47	-0.43	-1.03e-03	0.0	2.93e-04
2627	187	-11.68	4.50	-0.44	-3.64e-04	0.0	1.14e-04
2627	199	-7.33	14.51	-0.49	-9.61e-04	0.0	4.32e-04
2627	201	-0.31	15.87	-0.44	-1.05e-03	0.0	2.93e-04
2627	219	-13.51	5.28	-0.46	-4.09e-04	0.0	1.36e-04
2627	231	-8.53	17.34	-0.52	-1.13e-03	0.0	5.17e-04
2627	233	-0.26	18.75	-0.46	-1.22e-03	0.0	3.43e-04
2627	256	-1.22	1.02	-0.42	-1.96e-04	0.0	-1.31e-05
2627	264	-1.44	0.88	-0.38	-1.76e-04	0.0	-3.42e-05
2627	276	-0.61	1.67	-0.38	-2.15e-04	0.0	1.18e-05
2627	298	-0.60	0.81	-0.35	-1.52e-04	0.0	1.22e-05
2627	305	-0.73	0.77	-0.33	-1.46e-04	0.0	2.01e-06
2627	307	-0.56	0.93	-0.33	-1.53e-04	0.0	1.12e-05
2627	310	-0.56	0.77	-0.33	-1.44e-04	0.0	1.16e-05
2628	28	-1.92	1.61	-0.60	-2.96e-04	0.0	-9.46e-06
2628	44	-2.25	1.40	-0.54	-2.74e-04	0.0	-3.57e-05
2628	68	-0.98	2.60	-0.53	-3.11e-04	0.0	1.96e-05
2628	123	-10.90	4.09	-0.43	-3.14e-04	0.0	1.01e-04
2628	135	-6.83	12.83	-0.47	-7.80e-04	0.0	3.77e-04
2628	137	-0.43	14.20	-0.42	-8.64e-04	0.0	2.68e-04
2628	155	-12.18	4.53	-0.44	-3.37e-04	0.0	1.12e-04
2628	167	-7.61	14.43	-0.48	-8.64e-04	0.0	4.25e-04
2628	169	-0.41	15.95	-0.44	-9.58e-04	0.0	3.00e-04
2628	187	-12.02	4.68	-0.44	-3.45e-04	0.0	1.18e-04
2628	199	-7.58	14.96	-0.49	-8.90e-04	0.0	4.38e-04
2628	201	-0.39	16.37	-0.44	-9.79e-04	0.0	3.00e-04
2628	219	-13.90	5.48	-0.46	-3.86e-04	0.0	1.40e-04
2628	231	-8.82	17.87	-0.52	-1.04e-03	0.0	5.24e-04
2628	233	-0.34	19.33	-0.46	-1.14e-03	0.0	3.51e-04

2628	256	-1.31	1.12	-0.42	-2.05e-04	0.0	-5.54e-06
2628	264	-1.53	0.97	-0.38	-1.91e-04	0.0	-2.30e-05
2628	276	-0.69	1.78	-0.38	-2.15e-04	0.0	1.38e-05
2628	298	-0.66	0.89	-0.35	-1.52e-04	0.0	1.36e-05
2628	305	-0.79	0.84	-0.34	-1.49e-04	0.0	5.25e-06
2628	307	-0.62	1.00	-0.34	-1.54e-04	0.0	1.26e-05
2628	310	-0.62	0.84	-0.34	-1.45e-04	0.0	1.28e-05
2629	44	-2.39	1.71	0.12	-2.65e-04	0.0	5.91e-05
2629	47	-2.12	1.30	0.13	-1.93e-04	0.0	5.16e-05
2629	68	-1.11	2.84	5.91e-03	-3.37e-04	0.0	3.04e-05
2629	122	9.81	-2.67	-0.80	-1.91e-05	0.0	-5.99e-05
2629	123	-11.21	4.60	0.80	-2.97e-04	0.0	9.79e-05
2629	129	-2.54	15.47	0.15	-7.28e-04	0.0	4.71e-04
2629	154	11.12	-3.16	-0.90	0.0	0.0	-7.05e-05
2629	155	-12.52	5.08	0.90	-3.15e-04	0.0	1.09e-04
2629	161	-2.78	17.40	0.17	-8.04e-04	0.0	5.29e-04
2629	186	10.96	-3.33	-0.89	6.59e-06	0.0	-7.53e-05
2629	187	-12.36	5.26	0.89	-3.22e-04	0.0	1.13e-04
2629	193	-2.85	18.03	0.18	-8.27e-04	0.0	5.38e-04
2629	218	12.88	-4.22	-1.03	4.08e-05	0.0	-9.57e-05
2629	219	-14.28	6.15	1.03	-3.57e-04	0.0	1.34e-04
2629	225	-3.31	21.53	0.22	-9.64e-04	0.0	6.39e-04
2629	263	-1.59	1.11	0.08	-1.69e-04	0.0	3.89e-05
2629	264	-1.63	1.19	0.07	-1.85e-04	0.0	4.05e-05
2629	276	-0.78	1.94	-2.17e-03	-2.33e-04	0.0	2.13e-05
2629	302	-0.37	0.61	-0.04	-1.05e-04	0.0	1.02e-05
2629	305	-0.87	0.98	0.01	-1.58e-04	0.0	2.28e-05
2629	307	-0.70	1.13	-1.55e-03	-1.68e-04	0.0	1.89e-05
2629	309	-0.45	0.62	-0.03	-1.05e-04	0.0	1.20e-05
2629	310	-0.70	0.96	-1.69e-03	-1.58e-04	0.0	1.90e-05
2630	44	-1.54	1.05	-0.26	0.0	-3.03e-04	-5.51e-04
2630	52	-0.52	1.74	-0.38	0.0	-2.24e-04	5.14e-05
2630	68	-0.43	2.01	-0.37	0.0	-1.90e-04	4.07e-05
2630	123	-9.42	3.58	0.04	0.0	-4.70e-04	-5.99e-05
2630	129	-0.18	12.74	-0.74	0.0	2.53e-05	4.03e-04
2630	141	1.32	11.70	-0.78	0.0	3.81e-05	1.90e-04
2630	155	-10.56	3.98	0.07	0.0	-5.13e-04	-7.01e-05
2630	161	-0.17	14.35	-0.81	0.0	4.30e-05	4.52e-04
2630	173	1.53	13.16	-0.86	0.0	5.79e-05	2.11e-04
2630	187	-10.39	4.13	0.06	0.0	-5.07e-04	-6.42e-05
2630	193	-0.18	14.89	-0.83	0.0	3.85e-05	4.59e-04
2630	205	1.53	13.51	-0.87	0.0	5.54e-05	2.11e-04
2630	219	-12.04	4.88	0.10	0.0	-5.70e-04	-7.54e-05
2630	225	-0.18	17.82	-0.96	0.0	6.45e-05	5.42e-04
2630	237	1.84	15.96	-0.99	0.0	8.47e-05	2.43e-04
2630	264	-1.04	0.73	-0.19	0.0	-2.08e-04	-3.66e-04
2630	268	-0.36	1.19	-0.27	0.0	-1.56e-04	3.54e-05
2630	276	-0.30	1.37	-0.26	0.0	-1.33e-04	2.82e-05
2630	298	-0.30	0.61	-0.21	0.0	-1.28e-04	3.01e-05
2630	305	-0.43	0.59	-0.20	0.0	-1.35e-04	-5.13e-05
2630	307	-0.28	0.72	-0.21	0.0	-1.20e-04	2.76e-05
2630	310	-0.29	0.57	-0.20	0.0	-1.21e-04	2.79e-05
2631	28	-2.06	1.77	-0.75	-2.78e-04	-2.86e-04	-5.17e-05
2631	44	-2.38	1.56	-0.68	-2.44e-04	-2.70e-04	-1.03e-04
2631	68	-1.09	2.75	-0.66	-3.10e-04	-2.43e-04	1.59e-05
2631	123	-11.20	4.19	-0.57	-3.03e-04	-6.17e-04	8.57e-05
2631	135	-7.06	13.01	-0.57	-7.44e-04	-4.70e-04	3.41e-04
2631	137	-0.51	14.52	-0.49	-8.26e-04	-1.70e-04	2.43e-04
2631	155	-12.51	4.63	-0.59	-3.24e-04	-6.76e-04	9.58e-05
2631	167	-7.87	14.63	-0.59	-8.24e-04	-5.12e-04	3.84e-04
2631	169	-0.49	16.31	-0.50	-9.16e-04	-1.74e-04	2.72e-04
2631	187	-12.35	4.78	-0.59	-3.31e-04	-6.69e-04	1.00e-04
2631	199	-7.84	15.16	-0.60	-8.48e-04	-5.14e-04	3.95e-04
2631	201	-0.47	16.73	-0.50	-9.35e-04	-1.76e-04	2.70e-04
2631	219	-14.27	5.59	-0.62	-3.70e-04	-7.57e-04	1.20e-04
2631	231	-9.10	18.10	-0.63	-9.92e-04	-5.82e-04	4.73e-04
2631	233	-0.42	19.74	-0.52	-1.09e-03	-1.83e-04	3.16e-04
2631	256	-1.41	1.22	-0.53	-1.93e-04	-2.00e-04	-3.40e-05
2631	264	-1.63	1.08	-0.48	-1.71e-04	-1.89e-04	-6.83e-05
2631	276	-0.77	1.88	-0.47	-2.15e-04	-1.71e-04	1.11e-05
2631	298	-0.73	0.96	-0.44	-1.52e-04	-1.48e-04	1.12e-05
2631	305	-0.86	0.91	-0.42	-1.45e-04	-1.46e-04	-5.55e-06
2631	307	-0.69	1.07	-0.42	-1.54e-04	-1.42e-04	1.03e-05
2631	310	-0.69	0.90	-0.42	-1.45e-04	-1.42e-04	1.03e-05
2632	9	-0.38	1.05	-0.16	-1.85e-04	0.0	1.21e-05

2632	44	-2.39	1.67	-0.01	-2.69e-04	0.0	5.92e-05
2632	68	-1.11	2.83	-0.10	-3.31e-04	0.0	2.97e-05
2632	122	9.81	-2.63	-0.63	-1.40e-05	0.0	-5.63e-05
2632	123	-11.21	4.54	0.50	-2.95e-04	0.0	9.35e-05
2632	129	-2.54	15.27	0.03	-7.28e-04	0.0	4.55e-04
2632	154	11.12	-3.11	-0.70	4.79e-06	0.0	-6.64e-05
2632	155	-12.52	5.02	0.57	-3.14e-04	0.0	1.04e-04
2632	161	-2.78	17.17	0.04	-8.04e-04	0.0	5.11e-04
2632	186	10.96	-3.28	-0.69	1.18e-05	0.0	-7.10e-05
2632	187	-12.36	5.19	0.56	-3.21e-04	0.0	1.08e-04
2632	193	-2.85	17.80	0.05	-8.27e-04	0.0	5.19e-04
2632	218	12.88	-4.16	-0.79	4.63e-05	0.0	-9.03e-05
2632	219	-14.28	6.07	0.66	-3.55e-04	0.0	1.28e-04
2632	225	-3.31	21.25	0.07	-9.65e-04	0.0	6.16e-04
2632	245	-0.29	0.75	-0.12	-1.32e-04	0.0	9.13e-06
2632	264	-1.63	1.17	-0.02	-1.88e-04	0.0	4.05e-05
2632	276	-0.78	1.93	-0.07	-2.29e-04	0.0	2.08e-05
2632	302	-0.37	0.61	-0.08	-1.02e-04	0.0	9.84e-06
2632	305	-0.87	0.97	-0.05	-1.56e-04	0.0	2.24e-05
2632	307	-0.70	1.12	-0.06	-1.65e-04	0.0	1.85e-05
2632	309	-0.45	0.61	-0.08	-1.03e-04	0.0	1.18e-05
2632	310	-0.70	0.95	-0.06	-1.54e-04	0.0	1.86e-05
2633	28	-2.22	1.91	-0.76	-2.62e-04	-3.42e-04	3.49e-05
2633	44	-2.54	1.68	-0.69	-2.30e-04	-3.13e-04	3.58e-05
2633	68	-1.23	2.90	-0.67	-2.92e-04	-2.90e-04	2.37e-05
2633	123	-11.51	4.34	-0.58	-2.64e-04	-3.20e-04	9.91e-05
2633	135	-7.30	13.37	-0.58	-6.16e-04	-2.69e-04	3.56e-04
2633	137	-0.60	14.91	-0.50	-6.95e-04	-1.78e-04	2.55e-04
2633	155	-12.85	4.79	-0.59	-2.81e-04	-3.38e-04	1.11e-04
2633	167	-8.12	15.02	-0.60	-6.80e-04	-2.80e-04	4.01e-04
2633	169	-0.58	16.75	-0.51	-7.69e-04	-1.78e-04	2.86e-04
2633	187	-12.68	4.95	-0.59	-2.87e-04	-3.36e-04	1.16e-04
2633	199	-8.10	15.57	-0.60	-6.99e-04	-2.80e-04	4.12e-04
2633	201	-0.56	17.18	-0.51	-7.85e-04	-1.78e-04	2.84e-04
2633	219	-14.65	5.78	-0.62	-3.18e-04	-3.62e-04	1.37e-04
2633	231	-9.39	18.57	-0.64	-8.15e-04	-2.99e-04	4.92e-04
2633	233	-0.52	20.26	-0.53	-9.08e-04	-1.79e-04	3.32e-04
2633	256	-1.52	1.32	-0.54	-1.82e-04	-2.39e-04	2.41e-05
2633	264	-1.73	1.17	-0.49	-1.61e-04	-2.20e-04	2.47e-05
2633	276	-0.86	1.99	-0.48	-2.02e-04	-2.04e-04	1.66e-05
2633	298	-0.81	1.03	-0.44	-1.43e-04	-1.85e-04	1.52e-05
2633	305	-0.94	0.99	-0.42	-1.36e-04	-1.79e-04	1.59e-05
2633	307	-0.77	1.15	-0.42	-1.45e-04	-1.76e-04	1.43e-05
2633	310	-0.77	0.98	-0.42	-1.36e-04	-1.76e-04	1.42e-05
2634	9	-0.48	1.15	-0.17	-1.70e-04	-1.14e-04	2.08e-05
2634	44	-2.53	1.81	-0.02	-2.30e-04	-2.27e-04	4.99e-05
2634	68	-1.23	2.99	-0.11	-2.92e-04	-1.84e-04	3.74e-05
2634	122	9.98	-2.62	-0.63	-7.85e-06	2.51e-04	-4.91e-05
2634	123	-11.51	4.68	0.50	-2.64e-04	-4.76e-04	9.50e-05
2634	129	-2.67	15.59	0.03	-6.59e-04	-2.05e-04	4.54e-04
2634	154	11.31	-3.11	-0.70	9.21e-06	2.96e-04	-5.88e-05
2634	155	-12.85	5.17	0.57	-2.81e-04	-5.21e-04	1.05e-04
2634	161	-2.92	17.53	0.04	-7.29e-04	-2.17e-04	5.09e-04
2634	186	11.15	-3.28	-0.69	1.51e-05	2.91e-04	-6.33e-05
2634	187	-12.69	5.34	0.56	-2.87e-04	-5.16e-04	1.09e-04
2634	193	-3.00	18.16	0.04	-7.50e-04	-2.22e-04	5.17e-04
2634	218	13.11	-4.18	-0.80	4.64e-05	3.59e-04	-8.21e-05
2634	219	-14.65	6.24	0.66	-3.18e-04	-5.83e-04	1.28e-04
2634	225	-3.47	21.68	0.07	-8.75e-04	-2.45e-04	6.13e-04
2634	245	-0.36	0.82	-0.12	-1.20e-04	-8.23e-05	1.51e-05
2634	264	-1.73	1.26	-0.02	-1.61e-04	-1.57e-04	3.45e-05
2634	276	-0.86	2.05	-0.08	-2.02e-04	-1.29e-04	2.62e-05
2634	302	-0.42	0.66	-0.09	-9.14e-05	-7.13e-05	1.35e-05
2634	305	-0.94	1.05	-0.06	-1.36e-04	-1.18e-04	2.46e-05
2634	307	-0.77	1.20	-0.07	-1.45e-04	-1.13e-04	2.30e-05
2634	309	-0.51	0.67	-0.08	-9.16e-05	-7.43e-05	1.44e-05
2634	310	-0.77	1.03	-0.07	-1.36e-04	-1.12e-04	2.29e-05
2635	11	-0.81	1.64	-0.23	-2.67e-04	0.0	2.20e-05
2635	44	-2.39	1.64	-0.13	-2.77e-04	0.0	5.88e-05
2635	68	-1.11	2.81	-0.19	-3.25e-04	0.0	2.79e-05
2635	122	9.81	-2.59	-0.47	-7.87e-06	0.0	-6.11e-05
2635	123	-11.21	4.48	0.23	-2.95e-04	0.0	9.62e-05
2635	129	-2.54	15.07	-0.08	-7.35e-04	0.0	4.60e-04
2635	154	11.12	-3.07	-0.51	1.13e-05	0.0	-7.16e-05
2635	155	-12.52	4.95	0.27	-3.14e-04	0.0	1.07e-04

2635	161	-2.78	16.95	-0.07	-8.12e-04	0.0	5.18e-04
2635	186	10.96	-3.24	-0.51	1.83e-05	0.0	-7.64e-05
2635	187	-12.35	5.12	0.27	-3.21e-04	0.0	1.11e-04
2635	193	-2.85	17.56	-0.07	-8.36e-04	0.0	5.26e-04
2635	218	12.88	-4.10	-0.57	5.35e-05	0.0	-9.66e-05
2635	219	-14.28	5.99	0.33	-3.56e-04	0.0	1.32e-04
2635	225	-3.31	20.97	-0.06	-9.76e-04	0.0	6.25e-04
2635	247	-0.58	1.14	-0.16	-1.86e-04	0.0	1.57e-05
2635	264	-1.63	1.14	-0.10	-1.93e-04	0.0	4.02e-05
2635	276	-0.78	1.92	-0.14	-2.25e-04	0.0	1.96e-05
2635	301	-0.72	0.98	-0.13	-1.58e-04	0.0	1.82e-05
2635	305	-0.87	0.96	-0.11	-1.55e-04	0.0	2.16e-05
2635	307	-0.70	1.11	-0.12	-1.61e-04	0.0	1.74e-05
2635	310	-0.70	0.94	-0.12	-1.51e-04	0.0	1.76e-05
2636	11	-0.94	1.77	-0.24	-2.47e-04	-1.74e-04	3.11e-05
2636	44	-2.53	1.78	-0.14	-2.30e-04	-2.19e-04	4.58e-05
2636	68	-1.23	2.97	-0.20	-2.92e-04	-1.78e-04	3.33e-05
2636	122	9.98	-2.58	-0.48	-7.85e-06	2.16e-04	-5.55e-05
2636	123	-11.51	4.62	0.23	-2.64e-04	-4.34e-04	9.61e-05
2636	129	-2.67	15.39	-0.08	-6.59e-04	-1.94e-04	4.53e-04
2636	154	11.31	-3.06	-0.52	9.21e-06	2.56e-04	-6.57e-05
2636	155	-12.85	5.10	0.27	-2.81e-04	-4.75e-04	1.06e-04
2636	161	-2.92	17.31	-0.07	-7.29e-04	-2.06e-04	5.09e-04
2636	186	11.15	-3.24	-0.52	1.51e-05	2.52e-04	-7.03e-05
2636	187	-12.69	5.27	0.27	-2.87e-04	-4.71e-04	1.11e-04
2636	193	-3.00	17.93	-0.07	-7.50e-04	-2.10e-04	5.17e-04
2636	218	13.11	-4.12	-0.58	4.64e-05	3.12e-04	-8.98e-05
2636	219	-14.65	6.16	0.33	-3.18e-04	-5.31e-04	1.30e-04
2636	225	-3.47	21.40	-0.06	-8.75e-04	-2.32e-04	6.13e-04
2636	247	-0.67	1.23	-0.17	-1.72e-04	-1.22e-04	2.19e-05
2636	264	-1.73	1.24	-0.10	-1.61e-04	-1.52e-04	3.16e-05
2636	276	-0.86	2.03	-0.14	-2.02e-04	-1.25e-04	2.33e-05
2636	301	-0.79	1.05	-0.13	-1.42e-04	-1.12e-04	2.09e-05
2636	305	-0.94	1.03	-0.12	-1.36e-04	-1.15e-04	2.20e-05
2636	307	-0.77	1.19	-0.13	-1.45e-04	-1.10e-04	2.04e-05
2636	310	-0.77	1.02	-0.12	-1.36e-04	-1.09e-04	2.03e-05
2637	11	-0.81	1.62	-0.30	-2.59e-04	0.0	1.99e-05
2637	44	-2.39	1.61	-0.23	-2.87e-04	0.0	5.72e-05
2637	68	-1.11	2.80	-0.27	-3.21e-04	0.0	2.58e-05
2637	121	7.69	5.21	-0.36	-3.33e-04	0.0	1.44e-04
2637	123	-11.21	4.42	-2.88e-03	-2.95e-04	0.0	9.83e-05
2637	137	-0.51	14.88	-0.24	-7.87e-04	0.0	2.58e-04
2637	153	8.73	5.78	-0.39	-3.57e-04	0.0	1.61e-04
2637	155	-12.52	4.89	0.02	-3.15e-04	0.0	1.09e-04
2637	161	-2.78	16.72	-0.25	-8.22e-04	0.0	5.21e-04
2637	185	8.56	5.95	-0.38	-3.64e-04	0.0	1.62e-04
2637	187	-12.35	5.06	0.02	-3.22e-04	0.0	1.14e-04
2637	193	-2.85	17.33	-0.25	-8.46e-04	0.0	5.30e-04
2637	217	10.02	6.97	-0.42	-4.07e-04	0.0	1.91e-04
2637	219	-14.28	5.91	0.05	-3.58e-04	0.0	1.35e-04
2637	225	-3.31	20.69	-0.26	-9.88e-04	0.0	6.30e-04
2637	247	-0.58	1.13	-0.22	-1.81e-04	0.0	1.42e-05
2637	264	-1.63	1.12	-0.17	-1.99e-04	0.0	3.91e-05
2637	276	-0.77	1.91	-0.19	-2.22e-04	0.0	1.81e-05
2637	301	-0.72	0.97	-0.18	-1.55e-04	0.0	1.69e-05
2637	305	-0.87	0.95	-0.17	-1.54e-04	0.0	2.04e-05
2637	307	-0.69	1.10	-0.17	-1.59e-04	0.0	1.62e-05
2637	310	-0.70	0.94	-0.17	-1.49e-04	0.0	1.63e-05
2638	11	-0.94	1.75	-0.32	-2.47e-04	-1.75e-04	2.69e-05
2638	44	-2.54	1.76	-0.24	-2.30e-04	-2.14e-04	4.21e-05
2638	68	-1.23	2.96	-0.28	-2.92e-04	-1.78e-04	2.95e-05
2638	121	7.79	5.36	-0.37	-2.99e-04	9.28e-05	1.41e-04
2638	123	-11.51	4.56	-7.32e-03	-2.64e-04	-3.83e-04	9.68e-05
2638	137	-0.60	15.24	-0.24	-6.95e-04	-1.31e-04	2.53e-04
2638	153	8.85	5.94	-0.39	-3.21e-04	1.18e-04	1.57e-04
2638	155	-12.85	5.04	0.01	-2.81e-04	-4.17e-04	1.07e-04
2638	169	-0.58	17.12	-0.25	-7.69e-04	-1.34e-04	2.82e-04
2638	185	8.67	6.12	-0.39	-3.27e-04	1.13e-04	1.58e-04
2638	187	-12.69	5.21	0.01	-2.87e-04	-4.14e-04	1.12e-04
2638	193	-3.00	17.71	-0.25	-7.50e-04	-1.98e-04	5.15e-04
2638	217	10.17	7.16	-0.42	-3.65e-04	1.47e-04	1.85e-04
2638	219	-14.65	6.08	0.04	-3.18e-04	-4.64e-04	1.32e-04
2638	225	-3.47	21.13	-0.27	-8.75e-04	-2.17e-04	6.12e-04
2638	247	-0.67	1.22	-0.23	-1.72e-04	-1.23e-04	1.89e-05
2638	264	-1.73	1.23	-0.18	-1.61e-04	-1.49e-04	2.91e-05

2638	276	-0.86	2.02	-0.20	-2.02e-04	-1.24e-04	2.07e-05
2638	301	-0.79	1.04	-0.18	-1.42e-04	-1.12e-04	1.85e-05
2638	305	-0.94	1.02	-0.17	-1.36e-04	-1.15e-04	1.97e-05
2638	307	-0.77	1.18	-0.18	-1.45e-04	-1.10e-04	1.80e-05
2638	310	-0.77	1.01	-0.18	-1.36e-04	-1.10e-04	1.80e-05
2639	4	-0.92	1.75	-0.38	-2.66e-04	0.0	2.19e-05
2639	44	-2.39	1.58	-0.33	-2.97e-04	0.0	5.12e-05
2639	68	-1.10	2.78	-0.35	-3.17e-04	0.0	2.43e-05
2639	123	-11.21	4.37	-0.15	-2.97e-04	0.0	1.01e-04
2639	125	8.30	5.18	-0.31	-3.48e-04	0.0	8.19e-05
2639	137	-0.51	14.79	-0.29	-7.95e-04	0.0	2.61e-04
2639	155	-12.52	4.82	-0.15	-3.17e-04	0.0	1.12e-04
2639	157	9.42	5.74	-0.33	-3.74e-04	0.0	9.02e-05
2639	169	-0.49	16.61	-0.30	-8.80e-04	0.0	2.92e-04
2639	187	-12.35	4.99	-0.15	-3.24e-04	0.0	1.17e-04
2639	189	9.27	5.87	-0.33	-3.79e-04	0.0	8.84e-05
2639	193	-2.85	17.09	-0.28	-8.61e-04	0.0	5.36e-04
2639	219	-14.28	5.83	-0.14	-3.61e-04	0.0	1.39e-04
2639	221	10.89	6.80	-0.34	-4.23e-04	0.0	1.01e-04
2639	225	-3.31	20.41	-0.30	-1.01e-03	0.0	6.37e-04
2639	244	-0.65	1.21	-0.27	-1.85e-04	0.0	1.55e-05
2639	264	-1.63	1.10	-0.24	-2.06e-04	0.0	3.50e-05
2639	276	-0.77	1.90	-0.25	-2.20e-04	0.0	1.71e-05
2639	301	-0.71	0.96	-0.23	-1.54e-04	0.0	1.60e-05
2639	305	-0.87	0.94	-0.22	-1.54e-04	0.0	1.89e-05
2639	307	-0.69	1.10	-0.22	-1.57e-04	0.0	1.53e-05
2639	310	-0.70	0.93	-0.22	-1.47e-04	0.0	1.54e-05
2640	11	-0.94	1.74	-0.39	-2.47e-04	-1.87e-04	2.41e-05
2640	44	-2.54	1.74	-0.34	-2.30e-04	-2.19e-04	3.96e-05
2640	68	-1.23	2.94	-0.36	-2.92e-04	-1.87e-04	2.69e-05
2640	123	-11.51	4.51	-0.16	-2.64e-04	-3.40e-04	9.73e-05
2640	125	8.41	5.34	-0.32	-3.10e-04	6.21e-05	7.83e-05
2640	137	-0.60	15.16	-0.30	-6.95e-04	-1.35e-04	2.51e-04
2640	155	-12.85	4.98	-0.15	-2.81e-04	-3.67e-04	1.08e-04
2640	157	9.55	5.92	-0.33	-3.33e-04	8.41e-05	8.60e-05
2640	169	-0.58	17.02	-0.31	-7.69e-04	-1.38e-04	2.80e-04
2640	187	-12.68	5.14	-0.15	-2.87e-04	-3.65e-04	1.13e-04
2640	189	9.40	6.04	-0.33	-3.37e-04	8.06e-05	8.40e-05
2640	193	-3.00	17.48	-0.29	-7.50e-04	-1.91e-04	5.15e-04
2640	219	-14.65	6.01	-0.14	-3.18e-04	-4.06e-04	1.33e-04
2640	221	11.06	7.00	-0.35	-3.75e-04	1.12e-04	9.55e-05
2640	225	-3.47	20.86	-0.30	-8.75e-04	-2.06e-04	6.12e-04
2640	247	-0.67	1.21	-0.28	-1.72e-04	-1.31e-04	1.70e-05
2640	264	-1.73	1.21	-0.24	-1.61e-04	-1.52e-04	2.73e-05
2640	276	-0.86	2.01	-0.26	-2.02e-04	-1.31e-04	1.89e-05
2640	301	-0.79	1.03	-0.23	-1.42e-04	-1.19e-04	1.68e-05
2640	305	-0.94	1.01	-0.22	-1.36e-04	-1.20e-04	1.82e-05
2640	307	-0.77	1.17	-0.23	-1.45e-04	-1.16e-04	1.65e-05
2640	310	-0.77	1.00	-0.23	-1.36e-04	-1.16e-04	1.64e-05
2641	44	-2.39	1.56	-0.43	-3.03e-04	0.0	3.38e-05
2641	52	-1.29	2.51	-0.48	-3.21e-04	0.0	2.78e-05
2641	68	-1.10	2.77	-0.43	-3.14e-04	0.0	2.34e-05
2641	123	-11.21	4.31	-0.29	-3.00e-04	0.0	1.03e-04
2641	137	-0.51	14.70	-0.37	-8.06e-04	0.0	2.64e-04
2641	155	-12.51	4.76	-0.30	-3.20e-04	0.0	1.14e-04
2641	169	-0.49	16.51	-0.38	-8.93e-04	0.0	2.96e-04
2641	187	-12.35	4.92	-0.30	-3.28e-04	0.0	1.19e-04
2641	201	-0.47	16.94	-0.38	-9.12e-04	0.0	2.95e-04
2641	219	-14.28	5.75	-0.30	-3.65e-04	0.0	1.42e-04
2641	225	-3.31	20.12	-0.40	-1.03e-03	0.0	6.44e-04
2641	233	-0.42	19.99	-0.40	-1.06e-03	0.0	3.44e-04
2641	264	-1.63	1.09	-0.31	-2.10e-04	0.0	2.34e-05
2641	268	-0.90	1.72	-0.34	-2.22e-04	0.0	1.94e-05
2641	276	-0.77	1.89	-0.31	-2.18e-04	0.0	1.65e-05
2641	298	-0.73	0.97	-0.28	-1.54e-04	0.0	1.57e-05
2641	305	-0.86	0.93	-0.27	-1.54e-04	0.0	1.61e-05
2641	307	-0.69	1.09	-0.27	-1.56e-04	0.0	1.47e-05
2641	310	-0.69	0.92	-0.27	-1.46e-04	0.0	1.48e-05
2642	44	-2.54	1.72	-0.44	-2.30e-04	-2.37e-04	3.74e-05
2642	52	-1.43	2.67	-0.49	-2.99e-04	-2.40e-04	2.91e-05
2642	68	-1.23	2.93	-0.45	-2.92e-04	-2.09e-04	2.48e-05
2642	123	-11.51	4.45	-0.30	-2.64e-04	-3.14e-04	9.74e-05
2642	137	-0.60	15.07	-0.37	-6.95e-04	-1.43e-04	2.50e-04
2642	155	-12.85	4.92	-0.30	-2.81e-04	-3.37e-04	1.08e-04
2642	169	-0.58	16.93	-0.38	-7.69e-04	-1.44e-04	2.80e-04

2642	187	-12.68	5.08	-0.31	-2.87e-04	-3.34e-04	1.13e-04
2642	201	-0.56	17.37	-0.39	-7.85e-04	-1.45e-04	2.78e-04
2642	219	-14.65	5.93	-0.31	-3.18e-04	-3.68e-04	1.34e-04
2642	225	-3.47	20.59	-0.40	-8.75e-04	-2.00e-04	6.13e-04
2642	233	-0.52	20.49	-0.41	-9.08e-04	-1.48e-04	3.24e-04
2642	264	-1.73	1.20	-0.31	-1.61e-04	-1.65e-04	2.58e-05
2642	268	-1.00	1.83	-0.35	-2.07e-04	-1.67e-04	2.03e-05
2642	276	-0.86	2.00	-0.32	-2.02e-04	-1.47e-04	1.74e-05
2642	298	-0.81	1.05	-0.29	-1.43e-04	-1.36e-04	1.61e-05
2642	305	-0.94	1.00	-0.28	-1.36e-04	-1.33e-04	1.69e-05
2642	307	-0.77	1.17	-0.28	-1.45e-04	-1.29e-04	1.52e-05
2642	310	-0.77	0.99	-0.28	-1.36e-04	-1.29e-04	1.51e-05
2643	28	-2.06	1.77	-0.60	-3.08e-04	0.0	8.68e-06
2643	44	-2.39	1.54	-0.54	-2.92e-04	0.0	-7.11e-06
2643	68	-1.10	2.76	-0.54	-3.12e-04	0.0	2.20e-05
2643	123	-11.21	4.25	-0.44	-3.03e-04	0.0	1.01e-04
2643	135	-7.07	13.20	-0.47	-7.36e-04	0.0	3.69e-04
2643	137	-0.51	14.60	-0.43	-8.20e-04	0.0	2.63e-04
2643	155	-12.51	4.69	-0.45	-3.24e-04	0.0	1.12e-04
2643	167	-7.87	14.83	-0.49	-8.15e-04	0.0	4.15e-04
2643	169	-0.49	16.41	-0.44	-9.08e-04	0.0	2.94e-04
2643	187	-12.35	4.85	-0.45	-3.31e-04	0.0	1.17e-04
2643	199	-7.84	15.38	-0.49	-8.39e-04	0.0	4.27e-04
2643	201	-0.47	16.83	-0.44	-9.28e-04	0.0	2.94e-04
2643	219	-14.27	5.67	-0.47	-3.70e-04	0.0	1.40e-04
2643	231	-9.10	18.36	-0.52	-9.81e-04	0.0	5.11e-04
2643	233	-0.42	19.86	-0.46	-1.08e-03	0.0	3.43e-04
2643	256	-1.41	1.22	-0.43	-2.13e-04	0.0	6.60e-06
2643	264	-1.63	1.08	-0.39	-2.03e-04	0.0	-3.93e-06
2643	276	-0.77	1.89	-0.38	-2.16e-04	0.0	1.55e-05
2643	298	-0.73	0.97	-0.35	-1.53e-04	0.0	1.47e-05
2643	305	-0.86	0.92	-0.34	-1.52e-04	0.0	9.88e-06
2643	307	-0.69	1.08	-0.34	-1.55e-04	0.0	1.38e-05
2643	310	-0.69	0.91	-0.34	-1.46e-04	0.0	1.38e-05
2644	28	-2.22	1.93	-0.62	-2.62e-04	-2.92e-04	3.50e-05
2644	44	-2.54	1.70	-0.56	-2.30e-04	-2.68e-04	3.59e-05
2644	68	-1.23	2.92	-0.55	-2.92e-04	-2.43e-04	2.34e-05
2644	123	-11.51	4.40	-0.44	-2.64e-04	-3.07e-04	9.74e-05
2644	135	-7.30	13.54	-0.47	-6.16e-04	-2.53e-04	3.50e-04
2644	137	-0.60	14.99	-0.43	-6.95e-04	-1.55e-04	2.50e-04
2644	155	-12.85	4.85	-0.45	-2.81e-04	-3.26e-04	1.09e-04
2644	167	-8.12	15.22	-0.49	-6.80e-04	-2.66e-04	3.94e-04
2644	169	-0.58	16.83	-0.44	-7.69e-04	-1.56e-04	2.80e-04
2644	187	-12.68	5.02	-0.45	-2.87e-04	-3.24e-04	1.13e-04
2644	199	-8.09	15.78	-0.49	-6.99e-04	-2.66e-04	4.05e-04
2644	201	-0.56	17.27	-0.45	-7.85e-04	-1.56e-04	2.78e-04
2644	219	-14.65	5.85	-0.47	-3.18e-04	-3.53e-04	1.35e-04
2644	231	-9.39	18.82	-0.52	-8.15e-04	-2.87e-04	4.84e-04
2644	233	-0.52	20.37	-0.47	-9.08e-04	-1.57e-04	3.24e-04
2644	256	-1.52	1.34	-0.44	-1.82e-04	-2.04e-04	2.41e-05
2644	264	-1.73	1.18	-0.40	-1.61e-04	-1.88e-04	2.47e-05
2644	276	-0.86	1.99	-0.39	-2.02e-04	-1.71e-04	1.64e-05
2644	298	-0.81	1.04	-0.36	-1.43e-04	-1.57e-04	1.52e-05
2644	305	-0.94	1.00	-0.35	-1.36e-04	-1.53e-04	1.60e-05
2644	307	-0.77	1.16	-0.35	-1.45e-04	-1.50e-04	1.43e-05
2644	310	-0.77	0.98	-0.35	-1.36e-04	-1.50e-04	1.42e-05
2645	44	-1.69	1.21	-0.27	0.0	-2.97e-04	-9.65e-04
2645	52	-0.65	1.96	-0.39	0.0	-2.27e-04	7.48e-05
2645	68	-0.55	2.22	-0.38	0.0	-1.96e-04	5.95e-05
2645	123	-9.73	3.84	0.04	0.0	-5.51e-04	-1.73e-04
2645	129	-0.26	13.44	-0.73	0.0	-1.24e-04	4.29e-04
2645	141	1.29	12.35	-0.78	0.0	-5.80e-05	2.35e-04
2645	155	-10.90	4.27	0.07	0.0	-6.04e-04	-1.99e-04
2645	161	-0.25	15.14	-0.80	0.0	-1.25e-04	4.79e-04
2645	173	1.49	13.89	-0.85	0.0	-5.01e-05	2.60e-04
2645	187	-10.73	4.42	0.05	0.0	-5.96e-04	-1.90e-04
2645	193	-0.26	15.69	-0.82	0.0	-1.27e-04	4.86e-04
2645	205	1.50	14.25	-0.86	0.0	-5.07e-05	2.59e-04
2645	219	-12.42	5.20	0.09	0.0	-6.73e-04	-2.24e-04
2645	225	-0.27	18.77	-0.95	0.0	-1.29e-04	5.72e-04
2645	237	1.81	16.83	-0.98	0.0	-3.94e-05	2.97e-04
2645	264	-1.14	0.84	-0.20	0.0	-2.05e-04	-6.42e-04
2645	268	-0.45	1.34	-0.28	0.0	-1.58e-04	5.14e-05
2645	276	-0.38	1.52	-0.27	0.0	-1.37e-04	4.11e-05
2645	301	-0.36	0.69	-0.22	0.0	-1.24e-04	3.93e-05

2645	305	-0.51	0.69	-0.20	0.0	-1.35e-04	-9.68e-05
2645	307	-0.35	0.82	-0.22	0.0	-1.21e-04	3.98e-05
2645	310	-0.36	0.67	-0.21	0.0	-1.21e-04	3.99e-05
2646	44	-1.82	1.38	-0.28	0.0	-2.49e-04	-1.17e-03
2646	52	-0.77	2.18	-0.40	0.0	-2.14e-04	7.85e-05
2646	68	-0.65	2.44	-0.38	0.0	-1.87e-04	6.22e-05
2646	123	-10.03	4.10	0.03	0.0	-5.46e-04	-2.35e-04
2646	129	-0.33	14.12	-0.73	0.0	-1.28e-04	4.52e-04
2646	141	1.26	12.99	-0.77	0.0	-6.02e-05	2.64e-04
2646	155	-11.22	4.54	0.06	0.0	-6.00e-04	-2.69e-04
2646	161	-0.33	15.89	-0.80	0.0	-1.30e-04	5.05e-04
2646	173	1.47	14.60	-0.84	0.0	-5.37e-05	2.92e-04
2646	187	-11.05	4.70	0.05	0.0	-5.92e-04	-2.59e-04
2646	193	-0.34	16.48	-0.81	0.0	-1.32e-04	5.13e-04
2646	205	1.47	14.97	-0.85	0.0	-5.48e-05	2.91e-04
2646	219	-12.78	5.52	0.09	0.0	-6.71e-04	-3.04e-04
2646	225	-0.34	19.70	-0.93	0.0	-1.38e-04	6.03e-04
2646	237	1.79	17.67	-0.97	0.0	-4.58e-05	3.35e-04
2646	264	-1.23	0.96	-0.20	0.0	-1.72e-04	-7.81e-04
2646	268	-0.53	1.49	-0.28	0.0	-1.49e-04	5.39e-05
2646	276	-0.45	1.67	-0.27	0.0	-1.31e-04	4.30e-05
2646	301	-0.43	0.80	-0.22	0.0	-1.17e-04	4.10e-05
2646	305	-0.57	0.79	-0.21	0.0	-1.22e-04	-1.23e-04
2646	307	-0.42	0.93	-0.22	0.0	-1.14e-04	4.18e-05
2646	310	-0.42	0.77	-0.21	0.0	-1.13e-04	4.18e-05
2647	28	-1.36	1.07	-0.96	-3.03e-04	0.0	7.10e-06
2647	44	-1.71	0.96	-0.86	-2.85e-04	0.0	-5.13e-06
2647	68	-0.56	1.94	-0.83	-3.16e-04	0.0	1.82e-05
2647	123	-9.59	3.25	-0.75	-3.81e-04	0.0	8.01e-05
2647	137	-0.13	12.02	-0.61	-1.12e-03	0.0	1.93e-04
2647	155	-10.74	3.61	-0.78	-4.13e-04	0.0	8.93e-05
2647	169	-0.10	13.54	-0.63	-1.25e-03	0.0	2.16e-04
2647	187	-10.59	3.74	-0.77	-4.23e-04	0.0	9.32e-05
2647	201	-0.07	13.89	-0.63	-1.28e-03	0.0	2.12e-04
2647	219	-12.27	4.41	-0.82	-4.81e-04	0.0	1.11e-04
2647	233	-0.01	16.43	-0.65	-1.50e-03	0.0	2.47e-04
2647	256	-0.93	0.74	-0.67	-2.10e-04	0.0	5.32e-06
2647	264	-1.16	0.66	-0.61	-1.98e-04	0.0	-2.83e-06
2647	276	-0.39	1.32	-0.59	-2.18e-04	0.0	1.27e-05
2647	298	-0.39	0.56	-0.55	-1.52e-04	0.0	1.16e-05
2647	305	-0.52	0.54	-0.53	-1.51e-04	0.0	7.90e-06
2647	307	-0.36	0.67	-0.52	-1.55e-04	0.0	1.10e-05
2647	310	-0.37	0.53	-0.52	-1.44e-04	0.0	1.09e-05
2648	28	-1.53	1.23	-0.96	-2.94e-04	0.0	-6.14e-06
2648	44	-1.87	1.11	-0.86	-2.71e-04	0.0	-2.91e-05
2648	68	-0.68	2.11	-0.83	-3.14e-04	0.0	2.10e-05
2648	123	-9.95	3.45	-0.75	-3.66e-04	0.0	7.97e-05
2648	137	-0.22	12.61	-0.61	-1.06e-03	0.0	1.92e-04
2648	155	-11.13	3.83	-0.78	-3.95e-04	0.0	8.88e-05
2648	169	-0.19	14.19	-0.63	-1.18e-03	0.0	2.15e-04
2648	187	-10.98	3.97	-0.77	-4.05e-04	0.0	9.26e-05
2648	201	-0.16	14.56	-0.63	-1.21e-03	0.0	2.10e-04
2648	219	-12.71	4.67	-0.82	-4.59e-04	0.0	1.10e-04
2648	233	-0.10	17.22	-0.65	-1.41e-03	0.0	2.43e-04
2648	256	-1.04	0.85	-0.67	-2.04e-04	0.0	-3.48e-06
2648	264	-1.27	0.77	-0.61	-1.89e-04	0.0	-1.88e-05
2648	276	-0.48	1.43	-0.59	-2.17e-04	0.0	1.46e-05
2648	298	-0.47	0.64	-0.55	-1.52e-04	0.0	1.28e-05
2648	305	-0.60	0.62	-0.53	-1.49e-04	0.0	5.59e-06
2648	307	-0.44	0.76	-0.52	-1.54e-04	0.0	1.23e-05
2648	310	-0.44	0.61	-0.52	-1.44e-04	0.0	1.19e-05
2649	28	-1.66	1.38	-0.96	-2.81e-04	0.0	-1.46e-05
2649	44	-2.00	1.25	-0.86	-2.50e-04	0.0	-4.29e-05
2649	68	-0.78	2.27	-0.83	-3.11e-04	0.0	2.05e-05
2649	123	-10.28	3.64	-0.75	-3.45e-04	0.0	7.77e-05
2649	137	-0.29	13.16	-0.61	-9.81e-04	0.0	1.91e-04
2649	155	-11.50	4.04	-0.77	-3.72e-04	0.0	8.65e-05
2649	169	-0.26	14.80	-0.62	-1.09e-03	0.0	2.13e-04
2649	187	-11.34	4.18	-0.77	-3.81e-04	0.0	9.02e-05
2649	201	-0.24	15.18	-0.63	-1.12e-03	0.0	2.08e-04
2649	219	-13.13	4.91	-0.82	-4.30e-04	0.0	1.07e-04
2649	233	-0.18	17.94	-0.65	-1.30e-03	0.0	2.40e-04
2649	256	-1.13	0.96	-0.67	-1.95e-04	0.0	-9.18e-06
2649	264	-1.36	0.87	-0.61	-1.74e-04	0.0	-2.81e-05
2649	276	-0.55	1.55	-0.59	-2.15e-04	0.0	1.42e-05

2649	298	-0.54	0.72	-0.55	-1.52e-04	0.0	1.25e-05
2649	305	-0.66	0.70	-0.53	-1.45e-04	0.0	3.50e-06
2649	307	-0.50	0.84	-0.52	-1.53e-04	0.0	1.20e-05
2649	310	-0.50	0.68	-0.52	-1.44e-04	0.0	1.16e-05
2650	28	-1.39	1.05	-1.17	-3.04e-04	0.0	2.39e-05
2650	44	-1.73	0.95	-1.05	-2.91e-04	0.0	2.69e-05
2650	68	-0.58	1.93	-1.01	-3.11e-04	0.0	1.41e-05
2650	123	-9.61	3.20	-0.91	-3.79e-04	0.0	7.58e-05
2650	137	-0.15	11.97	-0.71	-1.13e-03	0.0	1.86e-04
2650	155	-10.76	3.56	-0.94	-4.10e-04	0.0	8.49e-05
2650	169	-0.12	13.48	-0.72	-1.26e-03	0.0	2.08e-04
2650	187	-10.61	3.69	-0.94	-4.21e-04	0.0	8.86e-05
2650	201	-0.09	13.83	-0.72	-1.29e-03	0.0	2.04e-04
2650	219	-12.29	4.35	-0.99	-4.79e-04	0.0	1.06e-04
2650	233	-0.03	16.36	-0.74	-1.50e-03	0.0	2.37e-04
2650	256	-0.95	0.73	-0.82	-2.11e-04	0.0	1.64e-05
2650	264	-1.18	0.66	-0.74	-2.02e-04	0.0	1.84e-05
2650	276	-0.41	1.31	-0.71	-2.15e-04	0.0	9.86e-06
2650	298	-0.41	0.56	-0.66	-1.50e-04	0.0	8.89e-06
2650	305	-0.54	0.54	-0.64	-1.50e-04	0.0	1.02e-05
2650	307	-0.38	0.67	-0.63	-1.53e-04	0.0	8.45e-06
2650	310	-0.39	0.52	-0.63	-1.43e-04	0.0	8.32e-06
2651	28	-1.54	1.22	-1.17	-2.95e-04	0.0	2.71e-05
2651	44	-1.88	1.10	-1.05	-2.75e-04	0.0	2.98e-05
2651	68	-0.69	2.10	-1.01	-3.11e-04	0.0	1.76e-05
2651	123	-9.95	3.40	-0.91	-3.64e-04	0.0	7.69e-05
2651	137	-0.22	12.57	-0.71	-1.07e-03	0.0	1.86e-04
2651	155	-11.14	3.78	-0.94	-3.94e-04	0.0	8.59e-05
2651	169	-0.20	14.14	-0.72	-1.19e-03	0.0	2.07e-04
2651	187	-10.99	3.91	-0.94	-4.04e-04	0.0	8.97e-05
2651	201	-0.17	14.51	-0.72	-1.21e-03	0.0	2.02e-04
2651	219	-12.72	4.60	-0.99	-4.58e-04	0.0	1.07e-04
2651	233	-0.11	17.15	-0.74	-1.42e-03	0.0	2.35e-04
2651	256	-1.05	0.84	-0.82	-2.04e-04	0.0	1.86e-05
2651	264	-1.27	0.76	-0.74	-1.91e-04	0.0	2.03e-05
2651	276	-0.48	1.43	-0.72	-2.15e-04	0.0	1.22e-05
2651	298	-0.48	0.64	-0.66	-1.51e-04	0.0	1.04e-05
2651	305	-0.61	0.62	-0.64	-1.48e-04	0.0	1.17e-05
2651	307	-0.45	0.75	-0.63	-1.53e-04	0.0	1.01e-05
2651	310	-0.45	0.60	-0.63	-1.43e-04	0.0	9.69e-06
2652	28	-1.66	1.37	-1.17	-2.80e-04	0.0	2.94e-05
2652	44	-2.00	1.25	-1.05	-2.51e-04	0.0	3.16e-05
2652	68	-0.78	2.26	-1.01	-3.10e-04	0.0	1.99e-05
2652	123	-10.28	3.59	-0.91	-3.43e-04	0.0	7.82e-05
2652	137	-0.29	13.12	-0.71	-9.82e-04	0.0	6.46e-06
2652	155	-11.50	3.98	-0.95	-3.70e-04	0.0	8.72e-05
2652	169	-0.26	14.75	-0.72	-1.09e-03	0.0	5.96e-06
2652	187	-11.35	4.13	-0.94	-3.79e-04	0.0	9.09e-05
2652	201	-0.24	15.13	-0.72	-1.12e-03	0.0	8.91e-06
2652	219	-13.13	4.85	-1.00	-4.28e-04	0.0	1.08e-04
2652	233	-0.18	17.88	-0.74	-1.30e-03	0.0	9.23e-06
2652	256	-1.13	0.95	-0.82	-1.95e-04	0.0	2.01e-05
2652	264	-1.36	0.86	-0.74	-1.75e-04	0.0	2.16e-05
2652	276	-0.55	1.54	-0.72	-2.14e-04	0.0	1.38e-05
2652	298	-0.54	0.72	-0.66	-1.51e-04	0.0	1.17e-05
2652	305	-0.67	0.70	-0.64	-1.45e-04	0.0	1.29e-05
2652	307	-0.50	0.83	-0.63	-1.53e-04	0.0	1.13e-05
2652	310	-0.51	0.68	-0.63	-1.43e-04	0.0	1.08e-05
2653	28	-1.45	1.04	-1.35	-2.96e-04	0.0	3.03e-05
2653	44	-1.78	0.92	-1.22	-2.79e-04	0.0	3.85e-05
2653	68	-0.63	1.92	-1.17	-3.08e-04	0.0	1.28e-05
2653	123	-9.64	3.16	-1.06	-3.78e-04	0.0	7.55e-05
2653	137	-0.18	11.93	-0.79	-1.14e-03	0.0	1.87e-04
2653	155	-10.79	3.51	-1.10	-4.10e-04	0.0	8.46e-05
2653	169	-0.15	13.43	-0.80	-1.27e-03	0.0	2.09e-04
2653	187	-10.64	3.64	-1.10	-4.21e-04	0.0	8.84e-05
2653	201	-0.12	13.77	-0.80	-1.30e-03	0.0	2.05e-04
2653	219	-12.33	4.29	-1.16	-4.79e-04	0.0	1.06e-04
2653	233	-0.06	16.29	-0.82	-1.52e-03	0.0	2.39e-04
2653	256	-0.99	0.72	-0.95	-2.05e-04	0.0	2.06e-05
2653	264	-1.21	0.64	-0.86	-1.94e-04	0.0	2.61e-05
2653	276	-0.44	1.31	-0.83	-2.13e-04	0.0	8.94e-06
2653	298	-0.44	0.55	-0.76	-1.49e-04	0.0	8.15e-06
2653	305	-0.57	0.53	-0.74	-1.47e-04	0.0	1.12e-05
2653	307	-0.41	0.66	-0.73	-1.51e-04	0.0	7.72e-06

2653	310	-0.42	0.52	-0.73	-1.41e-04	0.0	7.63e-06
2654	28	-1.55	1.20	-1.37	-2.88e-04	0.0	3.97e-05
2654	44	-1.89	1.07	-1.23	-2.66e-04	0.0	5.20e-05
2654	68	-0.70	2.09	-1.18	-3.08e-04	0.0	1.60e-05
2654	123	-9.96	3.36	-1.08	-3.63e-04	0.0	7.66e-05
2654	137	-0.23	12.53	-0.80	-1.07e-03	0.0	1.87e-04
2654	155	-11.14	3.73	-1.12	-3.92e-04	0.0	8.56e-05
2654	169	-0.20	14.10	-0.80	-1.19e-03	0.0	2.09e-04
2654	187	-10.99	3.86	-1.11	-4.02e-04	0.0	8.94e-05
2654	201	-0.18	14.46	-0.81	-1.22e-03	0.0	2.04e-04
2654	219	-12.73	4.54	-1.18	-4.56e-04	0.0	1.06e-04
2654	233	-0.12	17.09	-0.82	-1.43e-03	0.0	2.37e-04
2654	256	-1.06	0.83	-0.96	-2.00e-04	0.0	2.69e-05
2654	264	-1.28	0.75	-0.87	-1.85e-04	0.0	3.51e-05
2654	276	-0.49	1.42	-0.83	-2.13e-04	0.0	1.11e-05
2654	298	-0.49	0.63	-0.77	-1.49e-04	0.0	9.58e-06
2654	305	-0.61	0.61	-0.74	-1.46e-04	0.0	1.40e-05
2654	307	-0.46	0.74	-0.74	-1.51e-04	0.0	9.21e-06
2654	310	-0.46	0.59	-0.73	-1.41e-04	0.0	8.92e-06
2655	28	-1.67	1.35	-1.38	-2.76e-04	0.0	4.62e-05
2655	44	-2.00	1.21	-1.24	-2.46e-04	0.0	6.06e-05
2655	68	-0.79	2.25	-1.19	-3.07e-04	0.0	1.89e-05
2655	123	-10.28	3.55	-1.09	-3.41e-04	0.0	7.92e-05
2655	137	-0.29	13.08	-0.80	-9.79e-04	0.0	1.92e-04
2655	155	-11.50	3.93	-1.13	-3.67e-04	0.0	8.84e-05
2655	169	-0.27	14.71	-0.81	-1.09e-03	0.0	2.14e-04
2655	187	-11.35	4.07	-1.13	-3.76e-04	0.0	9.22e-05
2655	201	-0.24	15.09	-0.81	-1.11e-03	0.0	2.08e-04
2655	219	-13.13	4.78	-1.19	-4.24e-04	0.0	1.10e-04
2655	233	-0.18	17.82	-0.83	-1.30e-03	0.0	2.41e-04
2655	256	-1.14	0.93	-0.97	-1.92e-04	0.0	3.13e-05
2655	264	-1.36	0.84	-0.87	-1.72e-04	0.0	4.09e-05
2655	276	-0.55	1.53	-0.84	-2.12e-04	0.0	1.31e-05
2655	298	-0.54	0.71	-0.77	-1.49e-04	0.0	1.11e-05
2655	305	-0.67	0.69	-0.75	-1.43e-04	0.0	1.63e-05
2655	307	-0.51	0.82	-0.74	-1.51e-04	0.0	1.07e-05
2655	310	-0.51	0.67	-0.74	-1.41e-04	0.0	1.03e-05
2656	28	-1.58	1.02	-1.55	-2.85e-04	0.0	3.17e-05
2656	44	-1.89	0.90	-1.40	-2.63e-04	0.0	4.11e-05
2656	68	-0.74	1.92	-1.34	-3.05e-04	0.0	1.23e-05
2656	123	-9.72	3.11	-1.27	-3.78e-04	0.0	7.62e-05
2656	137	-0.24	11.88	-0.87	-1.15e-03	0.0	1.89e-04
2656	155	-10.86	3.46	-1.33	-4.09e-04	0.0	8.53e-05
2656	169	-0.21	13.37	-0.88	-1.28e-03	0.0	2.12e-04
2656	187	-10.72	3.58	-1.32	-4.20e-04	0.0	8.92e-05
2656	201	-0.19	13.71	-0.88	-1.31e-03	0.0	2.09e-04
2656	219	-12.41	4.22	-1.40	-4.78e-04	0.0	1.07e-04
2656	233	-0.13	16.22	-0.89	-1.53e-03	0.0	2.43e-04
2656	256	-1.08	0.70	-1.09	-1.98e-04	0.0	2.16e-05
2656	264	-1.28	0.63	-0.99	-1.83e-04	0.0	2.78e-05
2656	276	-0.52	1.30	-0.94	-2.11e-04	0.0	8.65e-06
2656	298	-0.52	0.55	-0.86	-1.47e-04	0.0	7.98e-06
2656	305	-0.64	0.52	-0.83	-1.44e-04	0.0	1.14e-05
2656	307	-0.48	0.66	-0.83	-1.50e-04	0.0	7.52e-06
2656	310	-0.49	0.51	-0.82	-1.40e-04	0.0	7.47e-06
2657	35	-1.42	1.52	-3.38	-2.048e+08	186.19	7.95e-05
2657	44	-1.84	1.41	-2.69	-1.578e+08	143.49	7.88e-05
2657	68	-0.66	2.70	-2.54	-1.578e+08	143.49	6.78e-05
2657	123	-10.86	4.47	-1.99	-8.126e+07	73.87	5.43e-05
2657	128	-10.06	-2.43	-2.37	-8.126e+07	73.87	1.35e-06
2657	137	1.19	14.17	-0.50	-8.126e+07	73.87	6.31e-05
2657	155	-12.16	4.95	-2.07	-8.126e+07	73.87	5.63e-05
2657	160	-11.25	-2.86	-2.49	-8.126e+07	73.87	-3.65e-06
2657	169	1.39	15.92	-0.39	-8.126e+07	73.87	6.58e-05
2657	187	-11.97	5.08	-2.04	-8.126e+07	73.87	5.99e-05
2657	192	-11.08	-2.97	-2.48	-8.126e+07	73.87	-3.01e-06
2657	201	1.35	16.29	-0.37	-8.126e+07	73.87	6.84e-05
2657	219	-13.85	5.94	-2.14	-8.126e+07	73.87	6.64e-05
2657	224	-12.80	-3.70	-2.67	-8.126e+07	73.87	-1.02e-05
2657	233	1.64	19.20	-0.18	-8.126e+07	73.87	7.35e-05
2657	259	-0.97	1.06	-2.38	-1.439e+08	130.82	5.53e-05
2657	264	-1.25	0.98	-1.92	-1.126e+08	102.34	5.48e-05
2657	276	-0.47	1.84	-1.82	-1.126e+08	102.34	4.75e-05
2657	301	-0.44	0.89	-1.56	-9.379e+07	85.26	4.33e-05
2657	305	-0.58	0.86	-1.38	-8.126e+07	73.87	4.34e-05

2657	307	-0.42	1.03	-1.36	-8.126e+07	73.87	4.19e-05
2657	310	-0.42	0.86	-1.37	-8.126e+07	73.87	4.20e-05
2658	28	-1.57	1.17	-1.61	-2.79e-04	0.0	4.25e-05
2658	44	-1.90	1.04	-1.45	-2.53e-04	0.0	5.70e-05
2658	68	-0.72	2.08	-1.38	-3.04e-04	0.0	1.54e-05
2658	123	-9.97	3.31	-1.32	-3.61e-04	0.0	7.75e-05
2658	137	-0.24	12.49	-0.90	-1.08e-03	0.0	1.90e-04
2658	155	-11.15	3.67	-1.38	-3.90e-04	0.0	8.67e-05
2658	169	-0.21	14.05	-0.91	-1.20e-03	0.0	2.12e-04
2658	187	-11.00	3.81	-1.37	-4.00e-04	0.0	9.05e-05
2658	201	-0.18	14.41	-0.91	-1.23e-03	0.0	2.07e-04
2658	219	-12.74	4.48	-1.46	-4.54e-04	0.0	1.08e-04
2658	233	-0.13	17.03	-0.92	-1.43e-03	0.0	2.41e-04
2658	256	-1.07	0.81	-1.12	-1.94e-04	0.0	2.88e-05
2658	264	-1.29	0.72	-1.02	-1.77e-04	0.0	3.85e-05
2658	276	-0.50	1.41	-0.98	-2.11e-04	0.0	1.07e-05
2658	298	-0.50	0.63	-0.89	-1.48e-04	0.0	9.35e-06
2658	305	-0.62	0.60	-0.86	-1.43e-04	0.0	1.45e-05
2658	307	-0.47	0.74	-0.85	-1.50e-04	0.0	8.96e-06
2658	310	-0.47	0.59	-0.85	-1.40e-04	0.0	8.72e-06
2659	28	-1.67	1.32	-1.64	-2.71e-04	0.0	4.99e-05
2659	44	-2.00	1.17	-1.48	-2.40e-04	0.0	6.71e-05
2659	68	-0.79	2.24	-1.41	-3.04e-04	0.0	1.82e-05
2659	123	-10.29	3.50	-1.35	-3.37e-04	0.0	8.05e-05
2659	137	-0.29	13.04	-0.92	-9.74e-04	0.0	1.95e-04
2659	155	-11.50	3.88	-1.41	-3.63e-04	0.0	8.99e-05
2659	169	-0.27	14.67	-0.93	-1.08e-03	0.0	2.18e-04
2659	187	-11.35	4.02	-1.41	-3.72e-04	0.0	9.39e-05
2659	201	-0.24	15.04	-0.93	-1.11e-03	0.0	2.13e-04
2659	219	-13.14	4.71	-1.50	-4.20e-04	0.0	1.12e-04
2659	233	-0.19	17.76	-0.94	-1.29e-03	0.0	2.47e-04
2659	256	-1.14	0.91	-1.15	-1.88e-04	0.0	3.38e-05
2659	264	-1.36	0.81	-1.05	-1.68e-04	0.0	4.52e-05
2659	276	-0.55	1.53	-1.00	-2.10e-04	0.0	1.27e-05
2659	298	-0.54	0.70	-0.91	-1.48e-04	0.0	1.08e-05
2659	305	-0.67	0.68	-0.88	-1.41e-04	0.0	1.69e-05
2659	307	-0.51	0.82	-0.87	-1.50e-04	0.0	1.04e-05
2659	310	-0.51	0.66	-0.87	-1.40e-04	0.0	1.01e-05
2660	28	-1.70	1.00	-2.11	-2.75e-04	0.0	3.19e-05
2660	44	-1.98	0.88	-1.89	-2.48e-04	0.0	4.13e-05
2660	68	-0.84	1.91	-1.79	-3.02e-04	0.0	1.23e-05
2660	123	-9.78	3.06	-1.87	-3.77e-04	0.0	7.61e-05
2660	137	-0.30	11.84	-1.15	-1.16e-03	0.0	1.90e-04
2660	155	-10.93	3.41	-1.97	-4.08e-04	0.0	8.52e-05
2660	169	-0.27	13.32	-1.16	-1.30e-03	0.0	2.13e-04
2660	187	-10.79	3.53	-1.95	-4.19e-04	0.0	8.90e-05
2660	201	-0.25	13.66	-1.16	-1.33e-03	0.0	2.09e-04
2660	219	-12.47	4.16	-2.10	-4.77e-04	0.0	1.06e-04
2660	233	-0.18	16.15	-1.17	-1.55e-03	0.0	2.44e-04
2660	256	-1.16	0.69	-1.47	-1.91e-04	0.0	2.17e-05
2660	264	-1.35	0.61	-1.33	-1.73e-04	0.0	2.80e-05
2660	276	-0.58	1.30	-1.26	-2.09e-04	0.0	8.64e-06
2660	298	-0.59	0.54	-1.17	-1.46e-04	0.0	7.99e-06
2660	305	-0.70	0.52	-1.12	-1.41e-04	0.0	1.14e-05
2660	307	-0.55	0.65	-1.11	-1.48e-04	0.0	7.53e-06
2660	310	-0.55	0.51	-1.11	-1.39e-04	0.0	7.48e-06
2661	28	-1.58	1.14	-2.06	-2.71e-04	0.0	4.25e-05
2661	44	-1.91	1.01	-1.86	-2.42e-04	0.0	5.71e-05
2661	68	-0.73	2.07	-1.75	-3.02e-04	0.0	1.53e-05
2661	123	-9.98	3.26	-1.84	-3.59e-04	0.0	7.80e-05
2661	137	-0.25	12.45	-1.13	-1.08e-03	0.0	1.91e-04
2661	155	-11.16	3.62	-1.94	-3.88e-04	0.0	8.73e-05
2661	169	-0.22	14.01	-1.14	-1.21e-03	0.0	2.14e-04
2661	187	-11.01	3.75	-1.92	-3.98e-04	0.0	9.11e-05
2661	201	-0.19	14.36	-1.14	-1.23e-03	0.0	2.09e-04
2661	219	-12.75	4.41	-2.06	-4.51e-04	0.0	1.09e-04
2661	233	-0.13	16.97	-1.15	-1.44e-03	0.0	2.43e-04
2661	256	-1.08	0.79	-1.44	-1.88e-04	0.0	2.88e-05
2661	264	-1.30	0.70	-1.30	-1.69e-04	0.0	3.85e-05
2661	276	-0.51	1.41	-1.24	-2.09e-04	0.0	1.06e-05
2661	298	-0.51	0.62	-1.14	-1.46e-04	0.0	9.33e-06
2661	305	-0.63	0.59	-1.10	-1.40e-04	0.0	1.45e-05
2661	307	-0.47	0.73	-1.08	-1.48e-04	0.0	8.93e-06
2661	310	-0.48	0.58	-1.08	-1.39e-04	0.0	8.70e-06
2662	28	-1.67	1.29	-2.05	-2.67e-04	0.0	4.99e-05

2662	44	-2.01	1.13	-1.85	-2.35e-04	0.0	6.71e-05
2662	68	-0.79	2.23	-1.75	-3.02e-04	0.0	1.81e-05
2662	123	-10.29	3.45	-1.83	-3.34e-04	0.0	8.10e-05
2662	137	-0.29	13.00	-1.13	-9.70e-04	0.0	1.97e-04
2662	155	-11.50	3.82	-1.93	-3.60e-04	0.0	9.05e-05
2662	169	-0.27	14.62	-1.13	-1.08e-03	0.0	2.20e-04
2662	187	-11.35	3.96	-1.92	-3.68e-04	0.0	9.45e-05
2662	201	-0.24	14.99	-1.14	-1.10e-03	0.0	2.15e-04
2662	219	-13.14	4.65	-2.06	-4.15e-04	0.0	1.12e-04
2662	233	-0.19	17.70	-1.15	-1.29e-03	0.0	2.49e-04
2662	256	-1.14	0.89	-1.43	-1.85e-04	0.0	3.38e-05
2662	264	-1.36	0.79	-1.30	-1.64e-04	0.0	4.53e-05
2662	276	-0.55	1.52	-1.24	-2.09e-04	0.0	1.26e-05
2662	298	-0.54	0.70	-1.13	-1.46e-04	0.0	1.08e-05
2662	305	-0.67	0.67	-1.09	-1.39e-04	0.0	1.69e-05
2662	307	-0.51	0.81	-1.08	-1.48e-04	0.0	1.04e-05
2662	310	-0.51	0.66	-1.08	-1.39e-04	0.0	1.00e-05
2663	28	-1.78	1.52	-0.96	-2.67e-04	0.0	-1.50e-05
2663	44	-2.12	1.37	-0.86	-2.28e-04	0.0	-4.31e-05
2663	68	-0.88	2.43	-0.83	-3.09e-04	0.0	1.95e-05
2663	123	-10.59	3.81	-0.75	-3.24e-04	0.0	7.78e-05
2663	137	-0.36	13.62	-0.61	-9.07e-04	0.0	7.12e-06
2663	155	-11.84	4.22	-0.77	-3.48e-04	0.0	8.67e-05
2663	169	-0.33	15.32	-0.62	-1.01e-03	0.0	6.63e-06
2663	187	-11.68	4.37	-0.77	-3.56e-04	0.0	9.05e-05
2663	201	-0.31	15.71	-0.63	-1.03e-03	0.0	9.30e-06
2663	219	-13.51	5.12	-0.81	-4.01e-04	0.0	1.07e-04
2663	233	-0.26	18.56	-0.65	-1.20e-03	0.0	9.50e-06
2663	256	-1.22	1.05	-0.67	-1.86e-04	0.0	-9.47e-06
2663	264	-1.44	0.95	-0.61	-1.60e-04	0.0	-2.82e-05
2663	276	-0.61	1.66	-0.59	-2.14e-04	0.0	1.35e-05
2663	298	-0.60	0.80	-0.55	-1.51e-04	0.0	1.20e-05
2663	305	-0.73	0.77	-0.53	-1.42e-04	0.0	3.15e-06
2663	307	-0.56	0.91	-0.53	-1.53e-04	0.0	1.15e-05
2663	310	-0.56	0.75	-0.52	-1.43e-04	0.0	1.11e-05
2664	28	-1.91	1.65	-0.96	-2.54e-04	0.0	-7.19e-06
2664	44	-2.24	1.48	-0.86	-2.07e-04	0.0	-3.00e-05
2664	68	-0.97	2.58	-0.84	-3.08e-04	0.0	1.90e-05
2664	123	-10.89	3.97	-0.75	-3.05e-04	0.0	8.14e-05
2664	137	-0.43	14.05	-0.61	-8.42e-04	0.0	2.06e-04
2664	155	-12.17	4.40	-0.77	-3.27e-04	0.0	9.08e-05
2664	169	-0.40	15.79	-0.62	-9.33e-04	0.0	2.31e-04
2664	187	-12.01	4.55	-0.77	-3.34e-04	0.0	9.48e-05
2664	201	-0.38	16.20	-0.63	-9.54e-04	0.0	2.26e-04
2664	219	-13.89	5.32	-0.81	-3.74e-04	0.0	1.13e-04
2664	233	-0.33	19.12	-0.65	-1.11e-03	0.0	2.62e-04
2664	256	-1.30	1.14	-0.67	-1.77e-04	0.0	-4.27e-06
2664	264	-1.53	1.03	-0.61	-1.46e-04	0.0	-1.95e-05
2664	276	-0.68	1.76	-0.59	-2.13e-04	0.0	1.32e-05
2664	298	-0.66	0.88	-0.55	-1.51e-04	0.0	1.20e-05
2664	305	-0.79	0.84	-0.53	-1.39e-04	0.0	4.82e-06
2664	307	-0.62	0.99	-0.53	-1.52e-04	0.0	1.14e-05
2664	310	-0.62	0.83	-0.52	-1.43e-04	0.0	1.11e-05
2665	28	-1.78	1.51	-1.17	-2.64e-04	0.0	3.12e-05
2665	44	-2.12	1.36	-1.05	-2.25e-04	0.0	3.33e-05
2665	68	-0.87	2.42	-1.01	-3.08e-04	0.0	2.11e-05
2665	123	-10.59	3.76	-0.91	-3.21e-04	0.0	8.07e-05
2665	137	-0.36	13.58	-0.71	-8.95e-04	0.0	1.95e-04
2665	155	-11.84	4.17	-0.95	-3.44e-04	0.0	8.99e-05
2665	169	-0.33	15.27	-0.72	-9.94e-04	0.0	2.17e-04
2665	187	-11.68	4.31	-0.94	-3.52e-04	0.0	9.38e-05
2665	201	-0.31	15.66	-0.72	-1.02e-03	0.0	2.11e-04
2665	219	-13.51	5.06	-1.00	-3.96e-04	0.0	1.11e-04
2665	233	-0.25	18.50	-0.74	-1.18e-03	0.0	2.44e-04
2665	256	-1.22	1.04	-0.82	-1.84e-04	0.0	2.14e-05
2665	264	-1.44	0.95	-0.74	-1.57e-04	0.0	2.27e-05
2665	276	-0.61	1.65	-0.72	-2.13e-04	0.0	1.46e-05
2665	298	-0.60	0.79	-0.66	-1.50e-04	0.0	1.25e-05
2665	305	-0.72	0.77	-0.64	-1.41e-04	0.0	1.37e-05
2665	307	-0.56	0.91	-0.63	-1.52e-04	0.0	1.21e-05
2665	310	-0.56	0.75	-0.63	-1.43e-04	0.0	1.16e-05
2666	28	-1.90	1.64	-1.17	-2.49e-04	0.0	3.26e-05
2666	44	-2.23	1.47	-1.05	-2.00e-04	0.0	3.47e-05
2666	68	-0.97	2.57	-1.01	-3.07e-04	0.0	2.18e-05
2666	123	-10.89	3.92	-0.91	-2.98e-04	0.0	8.53e-05

2666	137	-0.42	14.00	-0.71	-8.16e-04	0.0	2.08e-04
2666	155	-12.17	4.34	-0.95	-3.19e-04	0.0	9.51e-05
2666	169	-0.40	15.73	-0.72	-9.05e-04	0.0	2.33e-04
2666	187	-12.01	4.49	-0.94	-3.26e-04	0.0	9.92e-05
2666	201	-0.38	16.14	-0.72	-9.24e-04	0.0	2.27e-04
2666	219	-13.89	5.25	-1.00	-3.64e-04	0.0	1.18e-04
2666	233	-0.33	19.05	-0.74	-1.07e-03	0.0	2.64e-04
2666	256	-1.30	1.13	-0.82	-1.74e-04	0.0	2.23e-05
2666	264	-1.52	1.02	-0.74	-1.41e-04	0.0	2.37e-05
2666	276	-0.68	1.76	-0.72	-2.12e-04	0.0	1.51e-05
2666	298	-0.65	0.87	-0.66	-1.50e-04	0.0	1.32e-05
2666	305	-0.78	0.84	-0.64	-1.37e-04	0.0	1.44e-05
2666	307	-0.61	0.98	-0.63	-1.52e-04	0.0	1.26e-05
2666	310	-0.62	0.82	-0.63	-1.42e-04	0.0	1.22e-05
2667	28	-1.78	1.48	-1.38	-2.63e-04	0.0	4.87e-05
2667	44	-2.12	1.33	-1.25	-2.25e-04	0.0	6.28e-05
2667	68	-0.87	2.40	-1.19	-3.07e-04	0.0	2.10e-05
2667	123	-10.59	3.71	-1.09	-3.16e-04	0.0	8.32e-05
2667	137	-0.36	13.54	-0.80	-8.82e-04	0.0	2.01e-04
2667	155	-11.84	4.11	-1.14	-3.40e-04	0.0	9.28e-05
2667	169	-0.33	15.22	-0.81	-9.79e-04	0.0	2.24e-04
2667	187	-11.68	4.25	-1.13	-3.47e-04	0.0	9.68e-05
2667	201	-0.31	15.61	-0.82	-1.00e-03	0.0	2.19e-04
2667	219	-13.51	4.99	-1.20	-3.90e-04	0.0	1.15e-04
2667	233	-0.25	18.44	-0.83	-1.16e-03	0.0	2.54e-04
2667	256	-1.22	1.03	-0.97	-1.83e-04	0.0	3.30e-05
2667	264	-1.44	0.92	-0.88	-1.58e-04	0.0	4.24e-05
2667	276	-0.61	1.64	-0.84	-2.12e-04	0.0	1.46e-05
2667	298	-0.59	0.79	-0.78	-1.49e-04	0.0	1.24e-05
2667	305	-0.72	0.76	-0.75	-1.40e-04	0.0	1.75e-05
2667	307	-0.56	0.90	-0.74	-1.51e-04	0.0	1.19e-05
2667	310	-0.56	0.74	-0.74	-1.41e-04	0.0	1.15e-05
2668	28	-1.89	1.61	-1.39	-2.52e-04	0.0	4.73e-05
2668	44	-2.23	1.44	-1.25	-2.06e-04	0.0	5.89e-05
2668	68	-0.96	2.56	-1.20	-3.06e-04	0.0	2.24e-05
2668	123	-10.89	3.87	-1.10	-2.93e-04	0.0	8.83e-05
2668	137	-0.42	13.95	-0.81	-7.92e-04	0.0	2.15e-04
2668	155	-12.17	4.28	-1.15	-3.13e-04	0.0	9.84e-05
2668	169	-0.40	15.68	-0.82	-8.77e-04	0.0	2.40e-04
2668	187	-12.01	4.42	-1.14	-3.20e-04	0.0	1.03e-04
2668	201	-0.37	16.07	-0.82	-8.96e-04	0.0	2.36e-04
2668	219	-13.89	5.18	-1.21	-3.57e-04	0.0	1.22e-04
2668	233	-0.33	18.97	-0.83	-1.04e-03	0.0	2.74e-04
2668	256	-1.29	1.11	-0.97	-1.76e-04	0.0	3.22e-05
2668	264	-1.52	1.00	-0.88	-1.45e-04	0.0	3.99e-05
2668	276	-0.67	1.75	-0.85	-2.12e-04	0.0	1.56e-05
2668	298	-0.65	0.86	-0.78	-1.49e-04	0.0	1.34e-05
2668	305	-0.78	0.83	-0.75	-1.37e-04	0.0	1.78e-05
2668	307	-0.61	0.98	-0.75	-1.51e-04	0.0	1.29e-05
2668	310	-0.61	0.81	-0.74	-1.41e-04	0.0	1.25e-05
2669	28	-1.78	1.45	-1.67	-2.63e-04	0.0	5.24e-05
2669	44	-2.11	1.29	-1.51	-2.26e-04	0.0	6.93e-05
2669	68	-0.87	2.39	-1.44	-3.04e-04	0.0	2.05e-05
2669	123	-10.59	3.66	-1.38	-3.12e-04	0.0	8.49e-05
2669	137	-0.35	13.50	-0.94	-8.68e-04	0.0	2.05e-04
2669	155	-11.84	4.05	-1.44	-3.35e-04	0.0	9.47e-05
2669	169	-0.33	15.17	-0.94	-9.63e-04	0.0	2.29e-04
2669	187	-11.68	4.20	-1.43	-3.42e-04	0.0	9.88e-05
2669	201	-0.31	15.56	-0.95	-9.84e-04	0.0	2.25e-04
2669	219	-13.51	4.92	-1.52	-3.84e-04	0.0	1.17e-04
2669	233	-0.25	18.37	-0.96	-1.14e-03	0.0	2.61e-04
2669	256	-1.21	1.00	-1.17	-1.83e-04	0.0	3.55e-05
2669	264	-1.44	0.90	-1.06	-1.58e-04	0.0	4.68e-05
2669	276	-0.61	1.63	-1.01	-2.10e-04	0.0	1.43e-05
2669	298	-0.59	0.78	-0.93	-1.48e-04	0.0	1.22e-05
2669	305	-0.72	0.75	-0.90	-1.39e-04	0.0	1.82e-05
2669	307	-0.56	0.89	-0.89	-1.50e-04	0.0	1.17e-05
2669	310	-0.56	0.73	-0.89	-1.40e-04	0.0	1.13e-05
2670	28	-1.89	1.58	-1.69	-2.56e-04	0.0	5.06e-05
2670	44	-2.22	1.40	-1.53	-2.14e-04	0.0	6.44e-05
2670	68	-0.95	2.54	-1.46	-3.04e-04	0.0	2.24e-05
2670	123	-10.89	3.81	-1.40	-2.88e-04	0.0	8.99e-05
2670	137	-0.42	13.90	-0.95	-7.70e-04	0.0	2.20e-04
2670	155	-12.17	4.22	-1.46	-3.08e-04	0.0	1.00e-04
2670	169	-0.39	15.62	-0.95	-8.53e-04	0.0	2.46e-04

2670	187	-12.01	4.36	-1.45	-3.14e-04	0.0	1.05e-04
2670	201	-0.37	16.01	-0.96	-8.71e-04	0.0	2.42e-04
2670	219	-13.89	5.10	-1.54	-3.50e-04	0.0	1.24e-04
2670	233	-0.32	18.89	-0.97	-1.01e-03	0.0	2.81e-04
2670	256	-1.29	1.09	-1.18	-1.78e-04	0.0	3.44e-05
2670	264	-1.51	0.97	-1.08	-1.50e-04	0.0	4.36e-05
2670	276	-0.67	1.74	-1.03	-2.10e-04	0.0	1.56e-05
2670	298	-0.65	0.85	-0.94	-1.48e-04	0.0	1.35e-05
2670	305	-0.78	0.81	-0.91	-1.38e-04	0.0	1.85e-05
2670	307	-0.61	0.97	-0.90	-1.50e-04	0.0	1.29e-05
2670	310	-0.61	0.80	-0.90	-1.40e-04	0.0	1.25e-05
2671	28	-1.78	1.42	-2.06	-2.62e-04	0.0	5.24e-05
2671	44	-2.11	1.25	-1.87	-2.27e-04	0.0	6.94e-05
2671	68	-0.87	2.38	-1.77	-3.02e-04	0.0	2.04e-05
2671	123	-10.59	3.61	-1.84	-3.08e-04	0.0	8.54e-05
2671	137	-0.35	13.45	-1.14	-8.57e-04	0.0	2.07e-04
2671	155	-11.84	4.00	-1.93	-3.30e-04	0.0	9.53e-05
2671	169	-0.33	15.12	-1.14	-9.51e-04	0.0	2.31e-04
2671	187	-11.68	4.14	-1.92	-3.38e-04	0.0	9.95e-05
2671	201	-0.31	15.50	-1.15	-9.71e-04	0.0	2.26e-04
2671	219	-13.51	4.85	-2.06	-3.78e-04	0.0	1.18e-04
2671	233	-0.25	18.30	-1.16	-1.13e-03	0.0	2.63e-04
2671	256	-1.21	0.98	-1.44	-1.82e-04	0.0	3.55e-05
2671	264	-1.44	0.87	-1.31	-1.59e-04	0.0	4.68e-05
2671	276	-0.61	1.62	-1.25	-2.09e-04	0.0	1.42e-05
2671	298	-0.59	0.77	-1.13	-1.46e-04	0.0	1.21e-05
2671	305	-0.72	0.73	-1.10	-1.38e-04	0.0	1.82e-05
2671	307	-0.56	0.89	-1.08	-1.48e-04	0.0	1.17e-05
2671	310	-0.56	0.73	-1.08	-1.39e-04	0.0	1.13e-05
2672	28	-1.88	1.55	-2.09	-2.59e-04	0.0	5.06e-05
2672	44	-2.21	1.36	-1.91	-2.21e-04	0.0	6.44e-05
2672	68	-0.94	2.53	-1.81	-3.02e-04	0.0	2.23e-05
2672	123	-10.88	3.76	-1.85	-2.84e-04	0.0	9.04e-05
2672	137	-0.41	13.84	-1.16	-7.53e-04	0.0	2.21e-04
2672	155	-12.16	4.15	-1.95	-3.03e-04	0.0	1.01e-04
2672	169	-0.39	15.56	-1.16	-8.34e-04	0.0	2.47e-04
2672	187	-12.00	4.30	-1.94	-3.09e-04	0.0	1.05e-04
2672	201	-0.36	15.94	-1.17	-8.51e-04	0.0	2.43e-04
2672	219	-13.88	5.02	-2.07	-3.44e-04	0.0	1.25e-04
2672	233	-0.32	18.82	-1.18	-9.86e-04	0.0	2.83e-04
2672	256	-1.28	1.07	-1.47	-1.80e-04	0.0	3.44e-05
2672	264	-1.50	0.95	-1.34	-1.55e-04	0.0	4.36e-05
2672	276	-0.66	1.73	-1.28	-2.09e-04	0.0	1.55e-05
2672	298	-0.64	0.84	-1.15	-1.46e-04	0.0	1.35e-05
2672	305	-0.77	0.80	-1.11	-1.37e-04	0.0	1.85e-05
2672	307	-0.60	0.96	-1.10	-1.48e-04	0.0	1.29e-05
2672	310	-0.60	0.80	-1.10	-1.39e-04	0.0	1.25e-05
2673	28	-2.05	1.77	-0.96	-2.44e-04	0.0	8.59e-06
2673	44	-2.37	1.57	-0.87	-1.91e-04	0.0	-5.03e-06
2673	68	-1.09	2.74	-0.84	-3.07e-04	0.0	2.03e-05
2673	123	-11.20	4.13	-0.75	-2.91e-04	0.0	8.97e-05
2673	137	-0.50	14.45	-0.61	-7.95e-04	0.0	2.29e-04
2673	155	-12.51	4.56	-0.77	-3.11e-04	0.0	1.00e-04
2673	169	-0.48	16.23	-0.62	-8.80e-04	0.0	2.56e-04
2673	187	-12.35	4.72	-0.77	-3.18e-04	0.0	1.05e-04
2673	201	-0.46	16.64	-0.63	-8.99e-04	0.0	2.53e-04
2673	219	-14.27	5.51	-0.81	-3.54e-04	0.0	1.24e-04
2673	233	-0.42	19.64	-0.64	-1.04e-03	0.0	2.94e-04
2673	256	-1.40	1.23	-0.68	-1.71e-04	0.0	6.32e-06
2673	264	-1.62	1.10	-0.61	-1.35e-04	0.0	-2.75e-06
2673	276	-0.76	1.87	-0.59	-2.13e-04	0.0	1.41e-05
2673	298	-0.73	0.95	-0.55	-1.51e-04	0.0	1.29e-05
2673	305	-0.86	0.91	-0.53	-1.37e-04	0.0	8.83e-06
2673	307	-0.68	1.07	-0.53	-1.52e-04	0.0	1.22e-05
2673	310	-0.69	0.90	-0.53	-1.43e-04	0.0	1.20e-05
2674	28	-2.22	1.89	-0.96	-2.62e-04	-4.15e-04	3.49e-05
2674	44	-2.54	1.66	-0.87	-2.30e-04	-3.82e-04	3.59e-05
2674	68	-1.23	2.89	-0.84	-2.92e-04	-3.59e-04	2.40e-05
2674	123	-11.51	4.28	-0.75	-2.64e-04	-3.60e-04	1.01e-04
2674	137	-0.60	14.82	-0.61	-6.95e-04	-2.13e-04	2.61e-04
2674	155	-12.85	4.72	-0.77	-2.81e-04	-3.78e-04	1.13e-04
2674	169	-0.58	16.64	-0.62	-7.69e-04	-2.13e-04	2.92e-04
2674	187	-12.69	4.88	-0.77	-2.87e-04	-3.75e-04	1.18e-04
2674	201	-0.56	17.07	-0.62	-7.85e-04	-2.13e-04	2.91e-04
2674	219	-14.65	5.69	-0.81	-3.18e-04	-4.02e-04	1.40e-04

2674	233	-0.52	20.13	-0.64	-9.08e-04	-2.12e-04	3.40e-04
2674	256	-1.52	1.31	-0.68	-1.82e-04	-2.90e-04	2.41e-05
2674	264	-1.73	1.16	-0.61	-1.61e-04	-2.68e-04	2.47e-05
2674	276	-0.86	1.98	-0.60	-2.02e-04	-2.53e-04	1.68e-05
2674	298	-0.81	1.03	-0.55	-1.43e-04	-2.23e-04	1.51e-05
2674	305	-0.94	0.98	-0.53	-1.36e-04	-2.17e-04	1.59e-05
2674	307	-0.77	1.14	-0.53	-1.45e-04	-2.13e-04	1.44e-05
2674	310	-0.77	0.97	-0.53	-1.36e-04	-2.13e-04	1.42e-05
2675	28	-2.03	1.76	-1.17	-2.38e-04	0.0	3.34e-05
2675	44	-2.36	1.56	-1.05	-1.82e-04	0.0	3.51e-05
2675	68	-1.07	2.72	-1.01	-3.06e-04	0.0	2.24e-05
2675	123	-11.20	4.07	-0.91	-2.81e-04	0.0	9.26e-05
2675	137	-0.50	14.38	-0.71	-7.58e-04	0.0	2.32e-04
2675	155	-12.50	4.50	-0.95	-3.00e-04	0.0	1.03e-04
2675	169	-0.48	16.15	-0.72	-8.39e-04	0.0	2.59e-04
2675	187	-12.34	4.65	-0.94	-3.06e-04	0.0	1.08e-04
2675	201	-0.46	16.56	-0.72	-8.57e-04	0.0	2.56e-04
2675	219	-14.27	5.43	-1.00	-3.41e-04	0.0	1.28e-04
2675	233	-0.41	19.54	-0.74	-9.93e-04	0.0	2.98e-04
2675	256	-1.39	1.22	-0.82	-1.66e-04	0.0	2.29e-05
2675	264	-1.61	1.09	-0.74	-1.29e-04	0.0	2.41e-05
2675	276	-0.75	1.86	-0.72	-2.12e-04	0.0	1.56e-05
2675	298	-0.72	0.94	-0.66	-1.50e-04	0.0	1.38e-05
2675	305	-0.85	0.90	-0.64	-1.35e-04	0.0	1.49e-05
2675	307	-0.68	1.06	-0.63	-1.51e-04	0.0	1.32e-05
2675	310	-0.68	0.89	-0.63	-1.42e-04	0.0	1.29e-05
2676	28	-2.22	1.87	-1.17	-2.62e-04	-5.25e-04	3.41e-05
2676	44	-2.54	1.64	-1.05	-2.30e-04	-4.91e-04	3.52e-05
2676	68	-1.23	2.88	-1.01	-2.92e-04	-4.66e-04	2.32e-05
2676	123	-11.52	4.21	-0.91	-2.64e-04	-4.40e-04	1.01e-04
2676	137	-0.60	14.73	-0.71	-6.95e-04	-2.65e-04	2.61e-04
2676	155	-12.85	4.65	-0.95	-2.81e-04	-4.61e-04	1.12e-04
2676	169	-0.58	16.54	-0.72	-7.69e-04	-2.64e-04	2.92e-04
2676	187	-12.69	4.80	-0.95	-2.87e-04	-4.58e-04	1.18e-04
2676	201	-0.56	16.96	-0.72	-7.85e-04	-2.64e-04	2.91e-04
2676	219	-14.65	5.60	-1.00	-3.18e-04	-4.90e-04	1.40e-04
2676	233	-0.52	20.00	-0.74	-9.08e-04	-2.63e-04	3.41e-04
2676	256	-1.52	1.29	-0.82	-1.82e-04	-3.68e-04	2.35e-05
2676	264	-1.73	1.14	-0.74	-1.61e-04	-3.45e-04	2.42e-05
2676	276	-0.87	1.97	-0.72	-2.02e-04	-3.29e-04	1.63e-05
2676	298	-0.82	1.02	-0.66	-1.43e-04	-2.79e-04	1.46e-05
2676	305	-0.94	0.97	-0.64	-1.36e-04	-2.73e-04	1.54e-05
2676	307	-0.77	1.13	-0.64	-1.45e-04	-2.69e-04	1.39e-05
2676	310	-0.77	0.96	-0.63	-1.36e-04	-2.69e-04	1.37e-05
2677	28	-2.01	1.73	-1.39	-2.43e-04	0.0	4.26e-05
2677	44	-2.34	1.53	-1.26	-1.92e-04	0.0	4.99e-05
2677	68	-1.05	2.71	-1.20	-3.05e-04	0.0	2.32e-05
2677	123	-11.19	4.01	-1.11	-2.75e-04	0.0	9.42e-05
2677	137	-0.49	14.31	-0.81	-7.26e-04	0.0	2.37e-04
2677	155	-12.50	4.43	-1.15	-2.92e-04	0.0	1.05e-04
2677	169	-0.47	16.08	-0.82	-8.03e-04	0.0	2.65e-04
2677	187	-12.34	4.58	-1.15	-2.99e-04	0.0	1.10e-04
2677	201	-0.45	16.48	-0.82	-8.19e-04	0.0	2.62e-04
2677	219	-14.26	5.35	-1.21	-3.31e-04	0.0	1.30e-04
2677	233	-0.40	19.45	-0.84	-9.48e-04	0.0	3.05e-04
2677	256	-1.38	1.20	-0.98	-1.70e-04	0.0	2.91e-05
2677	264	-1.60	1.07	-0.89	-1.35e-04	0.0	3.40e-05
2677	276	-0.74	1.85	-0.85	-2.11e-04	0.0	1.62e-05
2677	298	-0.71	0.93	-0.78	-1.49e-04	0.0	1.42e-05
2677	305	-0.84	0.89	-0.76	-1.35e-04	0.0	1.72e-05
2677	307	-0.67	1.05	-0.75	-1.51e-04	0.0	1.36e-05
2677	310	-0.67	0.88	-0.75	-1.41e-04	0.0	1.33e-05
2678	28	-2.22	1.85	-1.41	-2.62e-04	-7.20e-04	3.41e-05
2678	44	-2.54	1.62	-1.27	-2.30e-04	-6.84e-04	3.52e-05
2678	68	-1.24	2.86	-1.21	-2.92e-04	-6.56e-04	2.32e-05
2678	123	-11.52	4.15	-1.12	-2.64e-04	-5.92e-04	9.97e-05
2678	137	-0.60	14.64	-0.82	-6.95e-04	-3.63e-04	2.61e-04
2678	155	-12.85	4.58	-1.16	-2.81e-04	-6.20e-04	1.11e-04
2678	169	-0.58	16.44	-0.82	-7.69e-04	-3.62e-04	2.93e-04
2678	187	-12.69	4.73	-1.16	-2.87e-04	-6.15e-04	1.16e-04
2678	201	-0.56	16.86	-0.83	-7.85e-04	-3.61e-04	2.91e-04
2678	219	-14.66	5.52	-1.22	-3.18e-04	-6.56e-04	1.38e-04
2678	233	-0.52	19.88	-0.84	-9.08e-04	-3.60e-04	3.41e-04
2678	256	-1.52	1.28	-0.99	-1.82e-04	-5.07e-04	2.35e-05
2678	264	-1.74	1.13	-0.89	-1.61e-04	-4.82e-04	2.42e-05

2678	276	-0.87	1.96	-0.86	-2.02e-04	-4.64e-04	1.62e-05
2678	298	-0.82	1.01	-0.79	-1.43e-04	-3.78e-04	1.46e-05
2678	305	-0.94	0.96	-0.76	-1.36e-04	-3.72e-04	1.55e-05
2678	307	-0.77	1.13	-0.75	-1.45e-04	-3.68e-04	1.39e-05
2678	310	-0.77	0.95	-0.75	-1.36e-04	-3.68e-04	1.37e-05
2679	28	-1.97	1.70	-1.72	-2.51e-04	0.0	4.53e-05
2679	44	-2.30	1.50	-1.56	-2.06e-04	0.0	5.37e-05
2679	68	-1.02	2.70	-1.48	-3.04e-04	0.0	2.39e-05
2679	123	-11.17	3.95	-1.42	-2.70e-04	0.0	9.49e-05
2679	137	-0.47	14.24	-0.96	-6.99e-04	0.0	2.40e-04
2679	155	-12.48	4.36	-1.48	-2.88e-04	0.0	1.06e-04
2679	169	-0.45	16.00	-0.97	-7.72e-04	0.0	2.68e-04
2679	187	-12.32	4.51	-1.47	-2.93e-04	0.0	1.11e-04
2679	201	-0.43	16.40	-0.97	-7.88e-04	0.0	2.65e-04
2679	219	-14.25	5.27	-1.56	-3.25e-04	0.0	1.31e-04
2679	233	-0.38	19.35	-0.98	-9.11e-04	0.0	3.09e-04
2679	256	-1.35	1.18	-1.20	-1.75e-04	0.0	3.09e-05
2679	264	-1.57	1.04	-1.10	-1.45e-04	0.0	3.65e-05
2679	276	-0.71	1.84	-1.05	-2.10e-04	0.0	1.66e-05
2679	298	-0.69	0.93	-0.95	-1.48e-04	0.0	1.47e-05
2679	305	-0.82	0.88	-0.92	-1.37e-04	0.0	1.80e-05
2679	307	-0.65	1.04	-0.91	-1.50e-04	0.0	1.40e-05
2679	310	-0.65	0.87	-0.91	-1.40e-04	0.0	1.37e-05
2680	28	-2.22	1.83	-1.77	-2.62e-04	-1.04e-03	3.69e-05
2680	44	-2.54	1.60	-1.60	-2.30e-04	-9.99e-04	3.76e-05
2680	68	-1.24	2.85	-1.53	-2.92e-04	-9.68e-04	2.55e-05
2680	123	-11.52	4.09	-1.44	-2.64e-04	-8.24e-04	9.87e-05
2680	137	-0.60	14.56	-0.99	-6.95e-04	-5.26e-04	2.61e-04
2680	155	-12.86	4.51	-1.51	-2.81e-04	-8.60e-04	1.10e-04
2680	169	-0.58	16.35	-1.00	-7.69e-04	-5.26e-04	2.92e-04
2680	187	-12.69	4.66	-1.50	-2.87e-04	-8.54e-04	1.15e-04
2680	201	-0.56	16.76	-1.00	-7.85e-04	-5.25e-04	2.91e-04
2680	219	-14.66	5.43	-1.59	-3.18e-04	-9.08e-04	1.36e-04
2680	233	-0.52	19.76	-1.01	-9.08e-04	-5.24e-04	3.40e-04
2680	256	-1.52	1.27	-1.24	-1.82e-04	-7.31e-04	2.54e-05
2680	264	-1.74	1.11	-1.13	-1.61e-04	-7.07e-04	2.59e-05
2680	276	-0.87	1.95	-1.08	-2.02e-04	-6.86e-04	1.79e-05
2680	298	-0.82	1.00	-0.98	-1.43e-04	-5.40e-04	1.62e-05
2680	305	-0.95	0.95	-0.95	-1.36e-04	-5.33e-04	1.70e-05
2680	307	-0.77	1.12	-0.94	-1.45e-04	-5.29e-04	1.54e-05
2680	310	-0.77	0.94	-0.94	-1.36e-04	-5.29e-04	1.52e-05
2681	28	-1.88	1.68	-2.17	-2.56e-04	0.0	4.57e-05
2681	44	-2.21	1.47	-1.98	-2.17e-04	0.0	5.41e-05
2681	68	-0.92	2.68	-1.89	-3.02e-04	0.0	2.41e-05
2681	123	-11.13	3.89	-1.89	-2.66e-04	0.0	9.50e-05
2681	137	-0.42	14.18	-1.19	-6.78e-04	0.0	2.40e-04
2681	155	-12.44	4.30	-1.98	-2.83e-04	0.0	1.06e-04
2681	169	-0.40	15.93	-1.20	-7.48e-04	0.0	2.69e-04
2681	187	-12.28	4.44	-1.97	-2.88e-04	0.0	1.11e-04
2681	201	-0.38	16.32	-1.21	-7.63e-04	0.0	2.66e-04
2681	219	-14.21	5.19	-2.11	-3.19e-04	0.0	1.31e-04
2681	233	-0.33	19.25	-1.22	-8.82e-04	0.0	3.10e-04
2681	256	-1.28	1.16	-1.52	-1.78e-04	0.0	3.12e-05
2681	264	-1.50	1.02	-1.40	-1.52e-04	0.0	3.68e-05
2681	276	-0.64	1.83	-1.33	-2.09e-04	0.0	1.68e-05
2681	301	-0.60	0.90	-1.19	-1.45e-04	0.0	1.41e-05
2681	305	-0.77	0.87	-1.15	-1.37e-04	0.0	1.82e-05
2681	307	-0.60	1.03	-1.14	-1.48e-04	0.0	1.42e-05
2681	310	-0.60	0.87	-1.14	-1.39e-04	0.0	1.39e-05
2682	35	-2.12	1.68	-2.33	-2.51e-04	-1.81e-03	3.91e-05
2682	44	-2.55	1.57	-2.12	-2.30e-04	-1.47e-03	4.27e-05
2682	68	-1.24	2.83	-2.02	-2.92e-04	-1.44e-03	3.06e-05
2682	123	-11.52	4.02	-1.95	-2.64e-04	-1.12e-03	9.84e-05
2682	137	-0.60	14.48	-1.26	-6.95e-04	-7.70e-04	2.62e-04
2682	155	-12.86	4.43	-2.04	-2.81e-04	-1.17e-03	1.09e-04
2682	169	-0.58	16.26	-1.27	-7.69e-04	-7.70e-04	2.93e-04
2682	187	-12.69	4.58	-2.03	-2.87e-04	-1.16e-03	1.14e-04
2682	201	-0.56	16.66	-1.27	-7.85e-04	-7.70e-04	2.92e-04
2682	219	-14.66	5.34	-2.17	-3.18e-04	-1.22e-03	1.35e-04
2682	233	-0.52	19.65	-1.29	-9.08e-04	-7.69e-04	3.40e-04
2682	259	-1.45	1.17	-1.63	-1.74e-04	-1.27e-03	2.71e-05
2682	264	-1.74	1.10	-1.49	-1.61e-04	-1.04e-03	2.95e-05
2682	276	-0.87	1.94	-1.43	-2.02e-04	-1.02e-03	2.14e-05
2682	301	-0.80	0.97	-1.27	-1.42e-04	-8.66e-04	1.88e-05
2682	305	-0.95	0.94	-1.22	-1.36e-04	-7.75e-04	2.01e-05

2682	307	-0.77	1.11	-1.21	-1.45e-04	-7.71e-04	1.85e-05
2682	310	-0.77	0.93	-1.21	-1.36e-04	-7.71e-04	1.83e-05
2683	28	-1.40	1.06	-0.56	0.0	-4.37e-04	-1.16e-04
2683	44	-1.82	0.94	-0.51	0.0	-4.68e-04	-2.35e-04
2683	68	-0.51	1.95	-0.44	0.0	-2.76e-04	4.05e-05
2683	123	-9.53	3.30	-0.32	0.0	-7.25e-04	8.71e-05
2683	137	-0.03	12.09	0.13	0.0	-2.01e-04	2.16e-04
2683	144	-1.62	-10.32	-0.76	0.0	-2.00e-04	-8.78e-05
2683	155	-10.68	3.67	-0.32	0.0	-7.94e-04	9.53e-05
2683	169	0.01	13.61	0.19	0.0	-2.05e-04	2.40e-04
2683	176	-1.78	-11.75	-0.82	0.0	-2.03e-04	-1.02e-04
2683	187	-10.53	3.80	-0.32	0.0	-7.86e-04	9.90e-05
2683	201	0.04	13.96	0.21	0.0	-2.07e-04	2.37e-04
2683	204	-0.71	-12.89	-0.84	0.0	-1.34e-04	-1.84e-04
2683	219	-12.21	4.49	-0.31	0.0	-8.88e-04	1.15e-04
2683	233	0.11	16.52	0.31	0.0	-2.14e-04	2.73e-04
2683	236	-0.79	-15.44	-0.93	0.0	-1.27e-04	-2.21e-04
2683	256	-0.95	0.74	-0.40	0.0	-3.00e-04	-7.60e-05
2683	264	-1.23	0.66	-0.36	0.0	-3.21e-04	-1.55e-04
2683	276	-0.36	1.33	-0.32	0.0	-1.93e-04	2.82e-05
2683	298	-0.36	0.57	-0.33	0.0	-1.81e-04	2.82e-05
2683	305	-0.51	0.55	-0.32	0.0	-1.97e-04	-1.05e-05
2683	307	-0.33	0.68	-0.31	0.0	-1.71e-04	2.62e-05
2683	310	-0.34	0.54	-0.31	0.0	-1.71e-04	2.64e-05
2684	28	-1.62	1.21	-0.57	0.0	-3.61e-04	-1.82e-04
2684	44	-2.05	1.07	-0.52	0.0	-3.73e-04	-3.38e-04
2684	68	-0.65	2.12	-0.46	0.0	-2.45e-04	3.36e-05
2684	123	-9.90	3.50	-0.34	0.0	-6.76e-04	7.76e-05
2684	137	-0.12	12.67	0.10	0.0	-1.76e-04	2.16e-04
2684	144	-1.73	-10.72	-0.74	0.0	-1.79e-04	-9.68e-05
2684	155	-11.08	3.89	-0.34	0.0	-7.42e-04	8.52e-05
2684	169	-0.09	14.26	0.15	0.0	-1.80e-04	2.41e-04
2684	176	-1.89	-12.21	-0.80	0.0	-1.83e-04	-1.12e-04
2684	187	-10.93	4.03	-0.34	0.0	-7.34e-04	8.91e-05
2684	201	-0.06	14.63	0.16	0.0	-1.81e-04	2.38e-04
2684	208	-1.92	-12.56	-0.81	0.0	-1.81e-04	-1.10e-04
2684	219	-12.65	4.74	-0.33	0.0	-8.31e-04	1.04e-04
2684	233	0.01	17.30	0.26	0.0	-1.88e-04	2.75e-04
2684	236	-0.86	-16.07	-0.90	0.0	-1.13e-04	-2.32e-04
2684	256	-1.10	0.84	-0.41	0.0	-2.48e-04	-1.20e-04
2684	264	-1.39	0.74	-0.37	0.0	-2.57e-04	-2.24e-04
2684	276	-0.46	1.44	-0.33	0.0	-1.71e-04	2.34e-05
2684	298	-0.45	0.65	-0.34	0.0	-1.59e-04	2.33e-05
2684	305	-0.61	0.62	-0.33	0.0	-1.68e-04	-2.79e-05
2684	307	-0.42	0.76	-0.32	0.0	-1.51e-04	2.16e-05
2684	310	-0.42	0.61	-0.32	0.0	-1.50e-04	2.18e-05
2685	28	-1.79	1.36	-0.58	0.0	-2.99e-04	-2.22e-04
2685	44	-2.22	1.20	-0.53	0.0	-2.97e-04	-3.88e-04
2685	68	-0.77	2.29	-0.47	0.0	-2.21e-04	1.77e-05
2685	123	-10.25	3.70	-0.35	0.0	-6.46e-04	6.60e-05
2685	137	-0.20	13.21	0.07	0.0	-1.58e-04	2.16e-04
2685	144	-1.82	-11.07	-0.72	0.0	-1.62e-04	-1.15e-04
2685	155	-11.46	4.10	-0.36	0.0	-7.10e-04	7.34e-05
2685	169	-0.17	14.85	0.12	0.0	-1.62e-04	2.42e-04
2685	176	-1.99	-12.62	-0.77	0.0	-1.65e-04	-1.31e-04
2685	187	-11.31	4.24	-0.35	0.0	-7.03e-04	7.75e-05
2685	201	-0.14	15.24	0.13	0.0	-1.63e-04	2.39e-04
2685	208	-2.01	-12.98	-0.78	0.0	-1.63e-04	-1.30e-04
2685	219	-13.09	4.99	-0.35	0.0	-7.97e-04	9.26e-05
2685	233	-0.07	18.01	0.22	0.0	-1.70e-04	2.78e-04
2685	240	-2.27	-15.58	-0.87	0.0	-1.67e-04	-1.54e-04
2685	256	-1.22	0.94	-0.41	0.0	-2.07e-04	-1.48e-04
2685	264	-1.51	0.83	-0.38	0.0	-2.05e-04	-2.58e-04
2685	276	-0.54	1.56	-0.34	0.0	-1.55e-04	1.24e-05
2685	298	-0.53	0.73	-0.34	0.0	-1.41e-04	1.21e-05
2685	305	-0.69	0.70	-0.33	0.0	-1.45e-04	-4.29e-05
2685	307	-0.49	0.85	-0.32	0.0	-1.35e-04	1.13e-05
2685	310	-0.50	0.69	-0.33	0.0	-1.34e-04	1.14e-05
2686	28	-1.92	1.49	-0.58	0.0	-2.61e-04	-2.28e-04
2686	44	-2.35	1.32	-0.53	0.0	-2.45e-04	-3.92e-04
2686	68	-0.87	2.44	-0.47	0.0	-2.15e-04	1.16e-05
2686	123	-10.56	3.87	-0.36	0.0	-6.27e-04	6.08e-05
2686	137	-0.27	13.67	0.04	0.0	-1.53e-04	2.22e-04
2686	144	-1.90	-11.37	-0.71	0.0	-1.54e-04	-1.27e-04
2686	155	-11.81	4.28	-0.37	0.0	-6.89e-04	6.81e-05

2686	169	-0.24	15.37	0.09	0.0	-1.56e-04	2.48e-04
2686	176	-2.07	-12.97	-0.75	0.0	-1.57e-04	-1.44e-04
2686	187	-11.65	4.43	-0.36	0.0	-6.82e-04	7.24e-05
2686	201	-0.21	15.77	0.10	0.0	-1.58e-04	2.46e-04
2686	208	-2.09	-13.34	-0.76	0.0	-1.55e-04	-1.43e-04
2686	219	-13.47	5.20	-0.36	0.0	-7.74e-04	8.75e-05
2686	233	-0.14	18.63	0.19	0.0	-1.64e-04	2.88e-04
2686	240	-2.35	-16.02	-0.85	0.0	-1.58e-04	-1.69e-04
2686	256	-1.31	1.03	-0.41	0.0	-1.82e-04	-1.52e-04
2686	264	-1.60	0.92	-0.38	0.0	-1.71e-04	-2.61e-04
2686	276	-0.61	1.66	-0.34	0.0	-1.51e-04	8.14e-06
2686	298	-0.59	0.81	-0.34	0.0	-1.35e-04	8.14e-06
2686	305	-0.75	0.77	-0.33	0.0	-1.33e-04	-4.63e-05
2686	307	-0.56	0.92	-0.32	0.0	-1.29e-04	7.53e-06
2686	310	-0.56	0.76	-0.33	0.0	-1.28e-04	7.55e-06
2687	28	-2.04	1.63	-0.59	0.0	-2.34e-04	-2.13e-04
2687	44	-2.46	1.44	-0.53	0.0	-1.98e-04	-3.64e-04
2687	68	-0.98	2.59	-0.48	0.0	-2.21e-04	7.46e-06
2687	123	-10.87	4.03	-0.37	0.0	-6.15e-04	6.28e-05
2687	137	-0.34	14.11	0.03	0.0	-1.55e-04	2.29e-04
2687	144	-1.98	-11.64	-0.69	0.0	-1.53e-04	-1.36e-04
2687	155	-12.14	4.46	-0.37	0.0	-6.75e-04	7.07e-05
2687	169	-0.31	15.85	0.07	0.0	-1.58e-04	2.57e-04
2687	176	-2.15	-13.28	-0.74	0.0	-1.55e-04	-1.54e-04
2687	187	-11.98	4.61	-0.37	0.0	-6.68e-04	7.51e-05
2687	201	-0.28	16.26	0.08	0.0	-1.60e-04	2.55e-04
2687	208	-2.17	-13.67	-0.75	0.0	-1.54e-04	-1.53e-04
2687	219	-13.85	5.40	-0.37	0.0	-7.58e-04	9.10e-05
2687	233	-0.22	19.20	0.16	0.0	-1.66e-04	2.99e-04
2687	240	-2.44	-16.42	-0.83	0.0	-1.56e-04	-1.81e-04
2687	256	-1.39	1.13	-0.42	0.0	-1.64e-04	-1.42e-04
2687	264	-1.67	1.00	-0.38	0.0	-1.40e-04	-2.43e-04
2687	276	-0.68	1.77	-0.34	0.0	-1.55e-04	5.15e-06
2687	298	-0.66	0.88	-0.34	0.0	-1.37e-04	6.14e-06
2687	305	-0.82	0.84	-0.33	0.0	-1.28e-04	-4.41e-05
2687	307	-0.62	1.00	-0.33	0.0	-1.31e-04	5.49e-06
2687	310	-0.62	0.83	-0.33	0.0	-1.30e-04	5.47e-06
2688	28	-2.15	1.77	-0.59	0.0	-2.00e-04	-1.59e-04
2688	44	-2.54	1.56	-0.53	0.0	-1.37e-04	-2.80e-04
2688	68	-1.09	2.75	-0.48	0.0	-2.31e-04	1.24e-05
2688	123	-11.17	4.19	-0.37	0.0	-6.06e-04	7.13e-05
2688	137	-0.41	14.52	0.02	0.0	-1.59e-04	2.40e-04
2688	144	-2.06	-11.89	-0.69	0.0	-1.54e-04	-1.37e-04
2688	155	-12.47	4.63	-0.38	0.0	-6.64e-04	7.99e-05
2688	169	-0.38	16.31	0.06	0.0	-1.63e-04	2.70e-04
2688	176	-2.23	-13.57	-0.73	0.0	-1.56e-04	-1.55e-04
2688	187	-12.31	4.78	-0.37	0.0	-6.58e-04	8.43e-05
2688	201	-0.36	16.73	0.07	0.0	-1.64e-04	2.68e-04
2688	208	-2.26	-13.96	-0.74	0.0	-1.55e-04	-1.54e-04
2688	219	-14.23	5.59	-0.37	0.0	-7.45e-04	1.01e-04
2688	233	-0.30	19.74	0.15	0.0	-1.71e-04	3.13e-04
2688	240	-2.52	-16.78	-0.82	0.0	-1.56e-04	-1.83e-04
2688	256	-1.47	1.22	-0.42	0.0	-1.42e-04	-1.06e-04
2688	264	-1.73	1.08	-0.38	0.0	-9.98e-05	-1.86e-04
2688	276	-0.76	1.88	-0.34	0.0	-1.62e-04	8.55e-06
2688	298	-0.73	0.96	-0.35	0.0	-1.41e-04	9.59e-06
2688	305	-0.88	0.91	-0.33	0.0	-1.23e-04	-3.03e-05
2688	307	-0.69	1.07	-0.33	0.0	-1.36e-04	8.71e-06
2688	310	-0.69	0.90	-0.33	0.0	-1.35e-04	8.66e-06
2689	28	-2.19	1.91	-0.59	0.0	-1.71e-04	2.98e-05
2689	44	-2.51	1.68	-0.54	0.0	-8.51e-05	2.02e-05
2689	68	-1.21	2.90	-0.48	0.0	-2.37e-04	2.77e-05
2689	123	-11.47	4.34	-0.37	0.0	-6.02e-04	8.30e-05
2689	137	-0.49	14.91	0.01	0.0	-1.62e-04	2.55e-04
2689	144	-2.14	-12.11	-0.68	0.0	-1.55e-04	-1.27e-04
2689	155	-12.80	4.79	-0.38	0.0	-6.60e-04	9.17e-05
2689	169	-0.46	16.75	0.06	0.0	-1.65e-04	2.85e-04
2689	176	-2.32	-13.84	-0.73	0.0	-1.57e-04	-1.46e-04
2689	187	-12.63	4.95	-0.37	0.0	-6.54e-04	9.61e-05
2689	201	-0.44	17.18	0.07	0.0	-1.67e-04	2.83e-04
2689	208	-2.34	-14.24	-0.74	0.0	-1.55e-04	-1.45e-04
2689	219	-14.59	5.78	-0.38	0.0	-7.40e-04	1.13e-04
2689	233	-0.38	20.26	0.15	0.0	-1.73e-04	3.29e-04
2689	240	-2.60	-17.13	-0.82	0.0	-1.57e-04	-1.74e-04
2689	256	-1.50	1.32	-0.42	0.0	-1.23e-04	2.07e-05

2689	264	-1.71	1.17	-0.38	0.0	-6.54e-05	1.43e-05
2689	276	-0.85	1.99	-0.34	0.0	-1.66e-04	1.93e-05
2689	298	-0.80	1.03	-0.35	0.0	-1.44e-04	1.97e-05
2689	305	-0.93	0.99	-0.34	0.0	-1.18e-04	1.72e-05
2689	307	-0.76	1.15	-0.33	0.0	-1.38e-04	1.82e-05
2689	310	-0.76	0.98	-0.33	0.0	-1.38e-04	1.82e-05
2690	28	-1.21	1.04	-0.91	-2.64e-04	-3.38e-04	4.64e-05
2690	44	-1.56	0.92	-0.81	-2.33e-04	-3.19e-04	8.25e-05
2690	68	-0.46	1.93	-0.78	-3.09e-04	-2.63e-04	-5.52e-06
2690	123	-9.44	3.28	-0.66	-3.66e-04	-5.38e-04	6.61e-05
2690	128	-8.60	-3.04	-0.68	1.58e-04	-4.77e-04	-4.98e-05
2690	137	0.65	12.06	-0.40	-1.09e-03	-1.67e-04	1.82e-04
2690	155	-10.57	3.65	-0.68	-3.97e-04	-5.85e-04	7.53e-05
2690	160	-9.63	-3.51	-0.70	1.97e-04	-5.16e-04	-5.55e-05
2690	169	0.76	13.57	-0.39	-1.22e-03	-1.68e-04	2.05e-04
2690	187	-10.41	3.79	-0.67	-4.08e-04	-5.79e-04	7.91e-05
2690	192	-9.49	-3.61	-0.70	2.05e-04	-5.09e-04	-5.32e-05
2690	201	0.77	13.93	-0.39	-1.24e-03	-1.70e-04	2.01e-04
2690	219	-12.05	4.47	-0.70	-4.64e-04	-6.48e-04	9.66e-05
2690	224	-10.98	-4.40	-0.73	2.70e-04	-5.65e-04	-6.14e-05
2690	233	0.96	16.48	-0.38	-1.45e-03	-1.73e-04	2.36e-04
2690	256	-0.82	0.72	-0.63	-1.84e-04	-2.34e-04	3.10e-05
2690	264	-1.06	0.64	-0.57	-1.63e-04	-2.21e-04	5.51e-05
2690	276	-0.32	1.31	-0.55	-2.14e-04	-1.84e-04	-3.60e-06
2690	298	-0.32	0.55	-0.51	-1.45e-04	-1.71e-04	-3.24e-06
2690	305	-0.45	0.53	-0.49	-1.38e-04	-1.69e-04	8.62e-06
2690	307	-0.30	0.67	-0.49	-1.48e-04	-1.62e-04	-3.11e-06
2690	310	-0.30	0.52	-0.49	-1.38e-04	-1.61e-04	-2.88e-06
2691	44	-1.54	1.04	-0.35	-2.89e-04	0.0	2.31e-05
2691	52	-0.52	1.73	-0.46	-3.74e-04	0.0	2.48e-05
2691	68	-0.43	2.00	-0.42	-3.67e-04	0.0	2.23e-05
2691	123	-9.42	3.55	-0.08	-4.45e-04	0.0	6.59e-05
2691	129	-0.18	12.61	-0.57	-1.31e-03	0.0	3.18e-04
2691	141	1.32	11.68	-0.60	-1.21e-03	0.0	-6.05e-05
2691	155	-10.56	3.95	-0.06	-4.82e-04	0.0	7.31e-05
2691	161	-0.17	14.22	-0.61	-1.46e-03	0.0	3.57e-04
2691	173	1.53	13.14	-0.64	-1.35e-03	0.0	-6.93e-05
2691	187	-10.40	4.10	-0.07	-4.96e-04	0.0	7.60e-05
2691	193	-0.18	14.74	-0.63	-1.50e-03	0.0	3.60e-04
2691	205	1.53	13.48	-0.65	-1.38e-03	0.0	-6.52e-05
2691	219	-12.04	4.83	-0.05	-5.64e-04	0.0	8.96e-05
2691	225	-0.18	17.65	-0.70	-1.78e-03	0.0	4.27e-04
2691	237	1.83	15.93	-0.73	-1.61e-03	0.0	-7.74e-05
2691	264	-1.04	0.72	-0.25	-2.02e-04	0.0	1.60e-05
2691	268	-0.36	1.18	-0.32	-2.58e-04	0.0	1.71e-05
2691	276	-0.30	1.36	-0.30	-2.54e-04	0.0	1.55e-05
2691	298	-0.30	0.60	-0.26	-1.78e-04	0.0	1.28e-05
2691	305	-0.43	0.58	-0.24	-1.70e-04	0.0	1.25e-05
2691	307	-0.28	0.71	-0.25	-1.80e-04	0.0	1.24e-05
2691	310	-0.29	0.57	-0.25	-1.69e-04	0.0	1.19e-05
2692	28	-1.37	1.19	-0.92	-2.78e-04	-2.74e-04	8.00e-05
2692	44	-1.71	1.05	-0.82	-2.44e-04	-2.66e-04	1.34e-04
2692	68	-0.57	2.10	-0.80	-3.17e-04	-2.07e-04	-1.02e-06
2692	123	-9.74	3.49	-0.66	-3.60e-04	-5.57e-04	1.21e-04
2692	128	-8.88	-3.11	-0.68	1.33e-04	-4.99e-04	-2.66e-06
2692	137	0.59	12.63	-0.42	-1.04e-03	-1.09e-04	1.90e-04
2692	155	-10.91	3.88	-0.69	-3.89e-04	-6.10e-04	1.37e-04
2692	160	-9.93	-3.60	-0.71	1.69e-04	-5.45e-04	-3.09e-06
2692	169	0.71	14.21	-0.41	-1.16e-03	-1.08e-04	2.14e-04
2692	187	-10.74	4.01	-0.68	-3.99e-04	-6.03e-04	1.38e-04
2692	192	-9.79	-3.71	-0.70	1.77e-04	-5.38e-04	-3.57e-06
2692	201	0.72	14.58	-0.41	-1.19e-03	-1.09e-04	2.10e-04
2692	219	-12.43	4.73	-0.71	-4.52e-04	-6.81e-04	1.64e-04
2692	224	-11.32	-4.52	-0.74	2.38e-04	-6.04e-04	-4.70e-06
2692	233	0.91	17.24	-0.40	-1.38e-03	-1.07e-04	2.45e-04
2692	256	-0.93	0.82	-0.64	-1.93e-04	-1.89e-04	5.36e-05
2692	264	-1.16	0.73	-0.58	-1.71e-04	-1.84e-04	8.97e-05
2692	276	-0.40	1.43	-0.56	-2.20e-04	-1.45e-04	0.0
2692	298	-0.40	0.64	-0.52	-1.53e-04	-1.34e-04	0.0
2692	305	-0.52	0.61	-0.50	-1.45e-04	-1.35e-04	1.76e-05
2692	307	-0.37	0.75	-0.50	-1.55e-04	-1.27e-04	0.0
2692	310	-0.38	0.60	-0.50	-1.45e-04	-1.26e-04	0.0
2693	44	-1.69	1.20	-0.36	-2.85e-04	0.0	3.47e-05
2693	52	-0.65	1.93	-0.47	-3.70e-04	0.0	5.10e-05
2693	68	-0.55	2.20	-0.43	-3.63e-04	0.0	4.79e-05

2693	123	-9.73	3.80	-0.08	-4.27e-04	0.0	8.05e-05
2693	129	-0.26	13.31	-0.58	-1.24e-03	0.0	3.45e-04
2693	141	1.29	12.32	-0.61	-1.16e-03	0.0	1.16e-04
2693	155	-10.89	4.22	-0.07	-4.62e-04	0.0	8.80e-05
2693	161	-0.25	14.99	-0.62	-1.38e-03	0.0	3.86e-04
2693	173	1.49	13.85	-0.65	-1.29e-03	0.0	1.27e-04
2693	187	-10.73	4.37	-0.07	-4.75e-04	0.0	9.12e-05
2693	193	-0.27	15.54	-0.64	-1.43e-03	0.0	3.90e-04
2693	205	1.50	14.21	-0.66	-1.32e-03	0.0	1.24e-04
2693	219	-12.42	5.15	-0.05	-5.39e-04	0.0	1.06e-04
2693	225	-0.27	18.59	-0.71	-1.68e-03	0.0	4.60e-04
2693	237	1.81	16.79	-0.74	-1.53e-03	0.0	1.40e-04
2693	264	-1.14	0.83	-0.26	-1.99e-04	0.0	2.43e-05
2693	268	-0.45	1.32	-0.33	-2.56e-04	0.0	3.52e-05
2693	276	-0.38	1.50	-0.31	-2.51e-04	0.0	3.32e-05
2693	298	-0.38	0.70	-0.26	-1.77e-04	0.0	2.54e-05
2693	305	-0.51	0.68	-0.25	-1.69e-04	0.0	2.34e-05
2693	307	-0.36	0.81	-0.25	-1.79e-04	0.0	2.51e-05
2693	310	-0.36	0.66	-0.25	-1.68e-04	0.0	2.38e-05
2694	28	-1.49	1.34	-0.93	-2.86e-04	-2.33e-04	1.06e-04
2694	44	-1.83	1.19	-0.83	-2.51e-04	-2.28e-04	1.67e-04
2694	68	-0.66	2.27	-0.81	-3.22e-04	-1.78e-04	9.84e-06
2694	123	-10.03	3.68	-0.69	-3.50e-04	-5.46e-04	1.36e-04
2694	137	0.56	13.16	-0.44	-9.84e-04	-8.30e-05	2.07e-04
2694	155	-11.23	4.09	-0.71	-3.76e-04	-6.00e-04	1.52e-04
2694	169	0.68	14.81	-0.43	-1.09e-03	-8.02e-05	2.32e-04
2694	187	-11.06	4.23	-0.71	-3.86e-04	-5.92e-04	1.53e-04
2694	201	0.69	15.19	-0.43	-1.12e-03	-8.14e-05	2.29e-04
2694	219	-12.79	4.97	-0.74	-4.35e-04	-6.72e-04	1.81e-04
2694	233	0.89	17.96	-0.42	-1.30e-03	-7.75e-05	2.67e-04
2694	256	-1.01	0.93	-0.65	-1.99e-04	-1.61e-04	7.10e-05
2694	264	-1.24	0.83	-0.59	-1.75e-04	-1.58e-04	1.11e-04
2694	276	-0.46	1.55	-0.57	-2.23e-04	-1.24e-04	7.02e-06
2694	298	-0.46	0.72	-0.53	-1.57e-04	-1.13e-04	6.79e-06
2694	305	-0.58	0.69	-0.51	-1.50e-04	-1.15e-04	2.72e-05
2694	307	-0.43	0.83	-0.50	-1.59e-04	-1.08e-04	6.31e-06
2694	310	-0.43	0.68	-0.50	-1.49e-04	-1.07e-04	6.45e-06
2695	44	-1.82	1.35	-0.37	-2.72e-04	0.0	5.68e-05
2695	52	-0.77	2.13	-0.47	-3.57e-04	0.0	8.44e-05
2695	68	-0.65	2.39	-0.44	-3.49e-04	0.0	7.99e-05
2695	123	-10.03	4.04	-0.09	-3.95e-04	0.0	1.05e-04
2695	129	-0.33	13.95	-0.59	-1.13e-03	0.0	4.09e-04
2695	141	1.26	12.92	-0.61	-1.06e-03	0.0	1.70e-04
2695	155	-11.22	4.48	-0.07	-4.26e-04	0.0	1.14e-04
2695	161	-0.33	15.71	-0.63	-1.26e-03	0.0	4.56e-04
2695	173	1.47	14.52	-0.66	-1.18e-03	0.0	1.87e-04
2695	187	-11.05	4.64	-0.08	-4.38e-04	0.0	1.18e-04
2695	193	-0.34	16.28	-0.64	-1.30e-03	0.0	4.63e-04
2695	205	1.47	14.90	-0.67	-1.21e-03	0.0	1.87e-04
2695	219	-12.78	5.45	-0.05	-4.95e-04	0.0	1.35e-04
2695	225	-0.35	19.47	-0.72	-1.53e-03	0.0	5.46e-04
2695	237	1.79	17.58	-0.75	-1.40e-03	0.0	2.13e-04
2695	264	-1.23	0.94	-0.26	-1.90e-04	0.0	4.00e-05
2695	268	-0.53	1.46	-0.33	-2.47e-04	0.0	5.84e-05
2695	276	-0.45	1.63	-0.31	-2.41e-04	0.0	5.54e-05
2695	301	-0.43	0.77	-0.26	-1.69e-04	0.0	4.07e-05
2695	305	-0.57	0.77	-0.25	-1.63e-04	0.0	3.87e-05
2695	307	-0.42	0.91	-0.26	-1.73e-04	0.0	4.18e-05
2695	310	-0.42	0.75	-0.25	-1.62e-04	0.0	3.97e-05
2696	44	-1.54	1.03	-0.43	-2.83e-04	0.0	2.73e-05
2696	52	-0.52	1.71	-0.52	-3.55e-04	0.0	2.96e-05
2696	68	-0.43	1.99	-0.47	-3.48e-04	0.0	2.59e-05
2696	123	-9.42	3.51	-0.19	-4.36e-04	0.0	7.69e-05
2696	129	-0.18	12.47	-0.46	-1.28e-03	0.0	3.49e-04
2696	141	1.32	11.64	-0.47	-1.18e-03	0.0	-7.21e-05
2696	155	-10.56	3.91	-0.18	-4.73e-04	0.0	8.52e-05
2696	161	-0.17	14.06	-0.48	-1.42e-03	0.0	3.92e-04
2696	173	1.53	13.10	-0.49	-1.31e-03	0.0	-8.30e-05
2696	187	-10.40	4.05	-0.18	-4.86e-04	0.0	8.86e-05
2696	193	-0.18	14.58	-0.48	-1.47e-03	0.0	3.97e-04
2696	205	1.53	13.44	-0.50	-1.34e-03	0.0	-8.06e-05
2696	219	-12.04	4.78	-0.17	-5.54e-04	0.0	1.04e-04
2696	225	-0.18	17.45	-0.52	-1.74e-03	0.0	4.71e-04
2696	237	1.83	15.88	-0.54	-1.57e-03	0.0	-9.69e-05
2696	264	-1.04	0.71	-0.30	-1.98e-04	0.0	1.90e-05

2696	268	-0.36	1.17	-0.37	-2.45e-04	0.0	2.06e-05
2696	276	-0.30	1.35	-0.33	-2.41e-04	0.0	1.81e-05
2696	298	-0.30	0.60	-0.30	-1.69e-04	0.0	1.60e-05
2696	305	-0.43	0.58	-0.28	-1.63e-04	0.0	1.55e-05
2696	307	-0.28	0.70	-0.29	-1.71e-04	0.0	1.53e-05
2696	310	-0.29	0.56	-0.28	-1.60e-04	0.0	1.51e-05
2697	44	-1.69	1.18	-0.43	-2.74e-04	0.0	3.41e-05
2697	52	-0.65	1.90	-0.53	-3.49e-04	0.0	5.06e-05
2697	68	-0.55	2.17	-0.48	-3.42e-04	0.0	4.63e-05
2697	123	-9.73	3.75	-0.19	-4.12e-04	0.0	9.38e-05
2697	129	-0.27	13.15	-0.46	-1.19e-03	0.0	3.90e-04
2697	141	1.28	12.26	-0.48	-1.11e-03	0.0	1.43e-04
2697	155	-10.90	4.17	-0.18	-4.46e-04	0.0	1.03e-04
2697	161	-0.26	14.81	-0.49	-1.33e-03	0.0	4.37e-04
2697	173	1.49	13.79	-0.50	-1.24e-03	0.0	1.58e-04
2697	187	-10.73	4.32	-0.18	-4.58e-04	0.0	1.07e-04
2697	193	-0.27	15.36	-0.49	-1.37e-03	0.0	4.44e-04
2697	205	1.49	14.15	-0.51	-1.26e-03	0.0	1.57e-04
2697	219	-12.42	5.08	-0.17	-5.21e-04	0.0	1.25e-04
2697	225	-0.27	18.37	-0.54	-1.62e-03	0.0	5.25e-04
2697	237	1.81	16.71	-0.55	-1.47e-03	0.0	1.80e-04
2697	264	-1.14	0.82	-0.31	-1.91e-04	0.0	2.40e-05
2697	268	-0.45	1.30	-0.37	-2.41e-04	0.0	3.50e-05
2697	276	-0.38	1.48	-0.34	-2.36e-04	0.0	3.21e-05
2697	298	-0.38	0.69	-0.30	-1.66e-04	0.0	2.61e-05
2697	305	-0.51	0.66	-0.28	-1.59e-04	0.0	2.38e-05
2697	307	-0.36	0.80	-0.29	-1.68e-04	0.0	2.55e-05
2697	310	-0.36	0.65	-0.29	-1.58e-04	0.0	2.45e-05
2698	44	-1.82	1.32	-0.44	-2.59e-04	0.0	4.54e-05
2698	52	-0.77	2.09	-0.54	-3.38e-04	0.0	7.14e-05
2698	68	-0.65	2.35	-0.49	-3.31e-04	0.0	6.63e-05
2698	123	-10.03	3.97	-0.19	-3.76e-04	0.0	1.12e-04
2698	129	-0.34	13.76	-0.47	-1.07e-03	0.0	4.43e-04
2698	141	1.26	12.83	-0.49	-1.01e-03	0.0	1.88e-04
2698	155	-11.22	4.41	-0.18	-4.06e-04	0.0	1.23e-04
2698	161	-0.33	15.49	-0.50	-1.19e-03	0.0	4.96e-04
2698	173	1.47	14.42	-0.51	-1.12e-03	0.0	2.07e-04
2698	187	-11.05	4.56	-0.18	-4.17e-04	0.0	1.27e-04
2698	193	-0.34	16.06	-0.50	-1.23e-03	0.0	5.05e-04
2698	205	1.47	14.80	-0.52	-1.15e-03	0.0	2.08e-04
2698	219	-12.78	5.36	-0.17	-4.72e-04	0.0	1.47e-04
2698	225	-0.35	19.20	-0.54	-1.45e-03	0.0	5.97e-04
2698	237	1.79	17.47	-0.56	-1.33e-03	0.0	2.40e-04
2698	264	-1.23	0.92	-0.31	-1.81e-04	0.0	3.21e-05
2698	268	-0.54	1.43	-0.38	-2.34e-04	0.0	4.94e-05
2698	276	-0.45	1.61	-0.35	-2.29e-04	0.0	4.60e-05
2698	298	-0.45	0.77	-0.30	-1.62e-04	0.0	3.64e-05
2698	305	-0.57	0.75	-0.29	-1.54e-04	0.0	3.30e-05
2698	307	-0.42	0.88	-0.29	-1.63e-04	0.0	3.58e-05
2698	310	-0.42	0.73	-0.29	-1.53e-04	0.0	3.42e-05
2699	44	-1.54	1.01	-0.49	-2.80e-04	0.0	2.71e-05
2699	52	-0.52	1.70	-0.57	-3.38e-04	0.0	2.91e-05
2699	68	-0.43	1.97	-0.51	-3.33e-04	0.0	2.46e-05
2699	123	-9.43	3.47	-0.26	-4.22e-04	0.0	8.44e-05
2699	125	8.01	4.19	-0.39	-4.80e-04	0.0	6.21e-05
2699	129	-0.19	12.32	-0.38	-1.23e-03	0.0	3.75e-04
2699	155	-10.56	3.86	-0.26	-4.57e-04	0.0	9.36e-05
2699	157	9.04	4.67	-0.40	-5.23e-04	0.0	6.79e-05
2699	161	-0.17	13.88	-0.38	-1.38e-03	0.0	4.21e-04
2699	187	-10.40	4.00	-0.26	-4.71e-04	0.0	9.75e-05
2699	189	8.91	4.77	-0.40	-5.31e-04	0.0	6.58e-05
2699	193	-0.18	14.39	-0.39	-1.42e-03	0.0	4.27e-04
2699	219	-12.04	4.72	-0.25	-5.37e-04	0.0	1.15e-04
2699	221	10.40	5.57	-0.42	-6.03e-04	0.0	7.41e-05
2699	225	-0.18	17.23	-0.40	-1.68e-03	0.0	5.07e-04
2699	264	-1.04	0.70	-0.35	-1.95e-04	0.0	1.89e-05
2699	268	-0.36	1.16	-0.40	-2.34e-04	0.0	2.02e-05
2699	276	-0.30	1.34	-0.36	-2.30e-04	0.0	1.72e-05
2699	298	-0.31	0.59	-0.33	-1.61e-04	0.0	1.64e-05
2699	305	-0.43	0.57	-0.31	-1.56e-04	0.0	1.57e-05
2699	307	-0.29	0.70	-0.31	-1.63e-04	0.0	1.54e-05
2699	310	-0.29	0.55	-0.31	-1.53e-04	0.0	1.53e-05
2700	44	-1.69	1.16	-0.49	-2.69e-04	0.0	2.96e-05
2700	52	-0.66	1.88	-0.58	-3.34e-04	0.0	4.39e-05
2700	68	-0.55	2.15	-0.52	-3.28e-04	0.0	3.85e-05

2700	123	-9.73	3.70	-0.26	-3.99e-04	0.0	1.01e-04
2700	125	8.15	4.44	-0.40	-4.57e-04	0.0	7.81e-05
2700	129	-0.27	12.96	-0.38	-1.15e-03	0.0	4.21e-04
2700	155	-10.90	4.11	-0.26	-4.32e-04	0.0	1.11e-04
2700	157	9.20	4.94	-0.41	-4.97e-04	0.0	8.50e-05
2700	161	-0.26	14.61	-0.39	-1.28e-03	0.0	4.73e-04
2700	187	-10.73	4.26	-0.26	-4.44e-04	0.0	1.16e-04
2700	189	9.06	5.05	-0.41	-5.05e-04	0.0	8.34e-05
2700	193	-0.27	15.14	-0.39	-1.33e-03	0.0	4.81e-04
2700	219	-12.42	5.01	-0.25	-5.05e-04	0.0	1.36e-04
2700	221	10.59	5.88	-0.42	-5.71e-04	0.0	9.38e-05
2700	225	-0.27	18.12	-0.41	-1.57e-03	0.0	5.71e-04
2700	264	-1.14	0.81	-0.35	-1.88e-04	0.0	2.09e-05
2700	268	-0.46	1.28	-0.41	-2.31e-04	0.0	3.04e-05
2700	276	-0.39	1.46	-0.37	-2.27e-04	0.0	2.68e-05
2700	298	-0.38	0.67	-0.33	-1.59e-04	0.0	2.37e-05
2700	305	-0.51	0.65	-0.31	-1.54e-04	0.0	2.15e-05
2700	307	-0.36	0.78	-0.32	-1.61e-04	0.0	2.27e-05
2700	310	-0.36	0.63	-0.32	-1.51e-04	0.0	2.22e-05
2701	44	-1.82	1.30	-0.50	-2.55e-04	0.0	3.26e-05
2701	52	-0.77	2.05	-0.59	-3.29e-04	0.0	5.43e-05
2701	68	-0.65	2.32	-0.53	-3.22e-04	0.0	4.84e-05
2701	123	-10.03	3.91	-0.27	-3.67e-04	0.0	1.13e-04
2701	125	8.29	4.67	-0.40	-4.26e-04	0.0	9.13e-05
2701	129	-0.34	13.55	-0.39	-1.04e-03	0.0	4.59e-04
2701	155	-11.22	4.34	-0.26	-3.96e-04	0.0	1.24e-04
2701	157	9.38	5.19	-0.42	-4.63e-04	0.0	9.94e-05
2701	161	-0.33	15.26	-0.40	-1.16e-03	0.0	5.15e-04
2701	187	-11.05	4.49	-0.26	-4.07e-04	0.0	1.29e-04
2701	189	9.23	5.30	-0.41	-4.69e-04	0.0	9.81e-05
2701	193	-0.34	15.82	-0.40	-1.19e-03	0.0	5.25e-04
2701	219	-12.78	5.28	-0.25	-4.61e-04	0.0	1.51e-04
2701	221	10.80	6.17	-0.43	-5.30e-04	0.0	1.10e-04
2701	225	-0.35	18.92	-0.42	-1.41e-03	0.0	6.22e-04
2701	264	-1.23	0.90	-0.36	-1.78e-04	0.0	2.31e-05
2701	268	-0.54	1.40	-0.41	-2.28e-04	0.0	3.76e-05
2701	276	-0.46	1.58	-0.37	-2.23e-04	0.0	3.36e-05
2701	298	-0.45	0.76	-0.33	-1.57e-04	0.0	2.89e-05
2701	305	-0.57	0.73	-0.32	-1.50e-04	0.0	2.57e-05
2701	307	-0.42	0.87	-0.32	-1.59e-04	0.0	2.78e-05
2701	310	-0.42	0.71	-0.32	-1.49e-04	0.0	2.70e-05
2702	44	-1.54	1.00	-0.53	-2.78e-04	0.0	2.83e-05
2702	52	-0.53	1.68	-0.61	-3.26e-04	0.0	2.66e-05
2702	68	-0.44	1.96	-0.54	-3.22e-04	0.0	2.15e-05
2702	123	-9.43	3.42	-0.32	-4.06e-04	0.0	8.77e-05
2702	137	0.66	12.24	-0.31	-1.17e-03	0.0	2.10e-04
2702	138	2.60	-9.51	-0.36	7.31e-04	0.0	-2.00e-05
2702	155	-10.56	3.81	-0.31	-4.41e-04	0.0	9.75e-05
2702	169	0.78	13.78	-0.31	-1.31e-03	0.0	2.35e-04
2702	170	2.95	-10.83	-0.37	8.47e-04	0.0	-2.47e-05
2702	187	-10.40	3.95	-0.31	-4.53e-04	0.0	1.02e-04
2702	193	-0.19	14.20	-0.31	-1.37e-03	0.0	4.45e-04
2702	202	2.86	-11.14	-0.37	8.72e-04	0.0	-2.49e-05
2702	219	-12.04	4.66	-0.31	-5.17e-04	0.0	1.20e-04
2702	225	-0.19	17.00	-0.30	-1.62e-03	0.0	5.29e-04
2702	234	3.37	-13.36	-0.37	1.07e-03	0.0	-3.25e-05
2702	264	-1.04	0.69	-0.38	-1.94e-04	0.0	1.96e-05
2702	268	-0.36	1.15	-0.43	-2.26e-04	0.0	1.85e-05
2702	276	-0.31	1.33	-0.38	-2.22e-04	0.0	1.51e-05
2702	298	-0.31	0.58	-0.35	-1.55e-04	0.0	1.56e-05
2702	305	-0.44	0.56	-0.33	-1.51e-04	0.0	1.53e-05
2702	307	-0.29	0.69	-0.33	-1.57e-04	0.0	1.44e-05
2702	310	-0.29	0.54	-0.33	-1.47e-04	0.0	1.46e-05
2703	44	-1.69	1.15	-0.54	-2.69e-04	0.0	2.96e-05
2703	52	-0.66	1.85	-0.62	-3.26e-04	0.0	3.59e-05
2703	68	-0.55	2.13	-0.55	-3.20e-04	0.0	2.96e-05
2703	123	-9.73	3.64	-0.32	-3.88e-04	0.0	1.03e-04
2703	137	0.61	12.86	-0.32	-1.11e-03	0.0	2.45e-04
2703	138	2.61	-9.89	-0.37	6.78e-04	0.0	-3.79e-05
2703	155	-10.90	4.04	-0.32	-4.20e-04	0.0	1.14e-04
2703	169	0.73	14.47	-0.32	-1.24e-03	0.0	2.74e-04
2703	170	2.97	-11.28	-0.37	7.86e-04	0.0	-4.56e-05
2703	187	-10.73	4.19	-0.32	-4.31e-04	0.0	1.19e-04
2703	193	-0.27	14.92	-0.32	-1.28e-03	0.0	5.00e-04
2703	202	2.88	-11.60	-0.37	8.10e-04	0.0	-4.73e-05

2703	219	-12.42	4.93	-0.32	-4.90e-04	0.0	1.40e-04
2703	225	-0.28	17.85	-0.31	-1.52e-03	0.0	5.94e-04
2703	234	3.40	-13.92	-0.38	9.91e-04	0.0	-6.03e-05
2703	264	-1.15	0.80	-0.38	-1.87e-04	0.0	2.07e-05
2703	268	-0.46	1.27	-0.43	-2.25e-04	0.0	2.49e-05
2703	276	-0.39	1.45	-0.39	-2.22e-04	0.0	2.07e-05
2703	298	-0.39	0.66	-0.35	-1.55e-04	0.0	2.05e-05
2703	305	-0.51	0.64	-0.34	-1.50e-04	0.0	1.91e-05
2703	307	-0.36	0.77	-0.34	-1.57e-04	0.0	1.91e-05
2703	310	-0.36	0.62	-0.34	-1.47e-04	0.0	1.92e-05
2704	44	-1.82	1.29	-0.55	-2.54e-04	0.0	2.88e-05
2704	52	-0.78	2.03	-0.63	-3.26e-04	0.0	3.94e-05
2704	68	-0.65	2.30	-0.56	-3.19e-04	0.0	3.27e-05
2704	123	-10.03	3.85	-0.33	-3.62e-04	0.0	1.11e-04
2704	137	0.57	13.43	-0.33	-1.02e-03	0.0	2.68e-04
2704	138	2.63	-10.24	-0.37	6.05e-04	0.0	-5.06e-05
2704	155	-11.22	4.27	-0.32	-3.91e-04	0.0	1.23e-04
2704	169	0.69	15.11	-0.32	-1.14e-03	0.0	2.99e-04
2704	170	3.00	-11.68	-0.37	7.04e-04	0.0	-6.02e-05
2704	187	-11.05	4.42	-0.32	-4.01e-04	0.0	1.28e-04
2704	193	-0.35	15.58	-0.32	-1.17e-03	0.0	5.36e-04
2704	202	2.91	-12.01	-0.37	7.25e-04	0.0	-6.27e-05
2704	219	-12.78	5.19	-0.32	-4.54e-04	0.0	1.51e-04
2704	225	-0.35	18.63	-0.32	-1.38e-03	0.0	6.37e-04
2704	234	3.44	-14.42	-0.38	8.90e-04	0.0	-7.91e-05
2704	264	-1.23	0.89	-0.39	-1.78e-04	0.0	2.02e-05
2704	268	-0.54	1.39	-0.44	-2.25e-04	0.0	2.72e-05
2704	276	-0.46	1.57	-0.39	-2.21e-04	0.0	2.28e-05
2704	298	-0.45	0.74	-0.36	-1.56e-04	0.0	2.23e-05
2704	305	-0.58	0.72	-0.34	-1.49e-04	0.0	2.03e-05
2704	307	-0.42	0.85	-0.34	-1.58e-04	0.0	2.08e-05
2704	310	-0.42	0.70	-0.34	-1.48e-04	0.0	2.07e-05
2705	28	-1.20	1.09	-0.64	-2.95e-04	0.0	3.45e-05
2705	44	-1.55	0.98	-0.57	-2.76e-04	0.0	3.59e-05
2705	68	-0.44	1.95	-0.56	-3.15e-04	0.0	1.88e-05
2705	123	-9.43	3.38	-0.37	-3.92e-04	0.0	8.82e-05
2705	137	0.66	12.18	-0.27	-1.14e-03	0.0	2.11e-04
2705	144	-1.90	-10.40	-0.44	7.92e-04	0.0	-1.07e-04
2705	155	-10.56	3.76	-0.37	-4.26e-04	0.0	9.81e-05
2705	169	0.78	13.71	-0.26	-1.27e-03	0.0	2.35e-04
2705	176	-2.10	-11.84	-0.45	9.15e-04	0.0	-1.23e-04
2705	187	-10.40	3.89	-0.37	-4.38e-04	0.0	1.02e-04
2705	201	0.78	14.07	-0.25	-1.30e-03	0.0	2.33e-04
2705	208	-2.11	-12.17	-0.45	9.42e-04	0.0	-1.21e-04
2705	219	-12.04	4.60	-0.37	-4.99e-04	0.0	1.21e-04
2705	225	-0.19	16.78	-0.24	-1.56e-03	0.0	5.35e-04
2705	240	-2.41	-14.59	-0.47	1.15e-03	0.0	-1.45e-04
2705	256	-0.81	0.75	-0.45	-2.05e-04	0.0	2.37e-05
2705	264	-1.05	0.68	-0.40	-1.92e-04	0.0	2.47e-05
2705	276	-0.31	1.33	-0.40	-2.18e-04	0.0	1.33e-05
2705	298	-0.31	0.57	-0.37	-1.50e-04	0.0	1.47e-05
2705	305	-0.44	0.55	-0.35	-1.48e-04	0.0	1.56e-05
2705	307	-0.29	0.68	-0.35	-1.53e-04	0.0	1.34e-05
2705	310	-0.29	0.54	-0.35	-1.43e-04	0.0	1.38e-05
2706	28	-1.35	1.25	-0.66	-2.93e-04	0.0	4.14e-05
2706	44	-1.70	1.13	-0.58	-2.69e-04	0.0	4.23e-05
2706	68	-0.56	2.12	-0.58	-3.18e-04	0.0	2.32e-05
2706	123	-9.74	3.59	-0.38	-3.78e-04	0.0	1.02e-04
2706	137	0.60	12.78	-0.28	-1.09e-03	0.0	2.43e-04
2706	144	-2.01	-10.81	-0.44	7.37e-04	0.0	-1.30e-04
2706	155	-10.90	3.99	-0.38	-4.10e-04	0.0	1.13e-04
2706	169	0.72	14.38	-0.27	-1.21e-03	0.0	2.71e-04
2706	176	-2.21	-12.32	-0.45	8.53e-04	0.0	-1.49e-04
2706	187	-10.73	4.13	-0.38	-4.21e-04	0.0	1.18e-04
2706	201	0.73	14.76	-0.27	-1.24e-03	0.0	2.70e-04
2706	208	-2.22	-12.67	-0.45	8.78e-04	0.0	-1.49e-04
2706	219	-12.42	4.86	-0.38	-4.78e-04	0.0	1.39e-04
2706	225	-0.28	17.60	-0.26	-1.47e-03	0.0	6.00e-04
2706	240	-2.53	-15.19	-0.47	1.07e-03	0.0	-1.79e-04
2706	256	-0.92	0.86	-0.46	-2.03e-04	0.0	2.84e-05
2706	264	-1.15	0.79	-0.41	-1.87e-04	0.0	2.90e-05
2706	276	-0.39	1.44	-0.41	-2.20e-04	0.0	1.63e-05
2706	298	-0.39	0.65	-0.38	-1.53e-04	0.0	1.80e-05
2706	305	-0.51	0.63	-0.36	-1.49e-04	0.0	1.89e-05
2706	307	-0.36	0.76	-0.36	-1.55e-04	0.0	1.64e-05

2706	310	-0.37	0.61	-0.36	-1.45e-04	0.0	1.68e-05
2707	28	-1.48	1.40	-0.67	-2.88e-04	0.0	4.11e-05
2707	44	-1.82	1.27	-0.60	-2.56e-04	0.0	4.24e-05
2707	68	-0.66	2.29	-0.59	-3.20e-04	0.0	2.24e-05
2707	123	-10.03	3.79	-0.39	-3.59e-04	0.0	1.09e-04
2707	137	0.56	13.34	-0.29	-1.01e-03	0.0	2.65e-04
2707	144	-2.10	-11.19	-0.44	6.65e-04	0.0	-1.50e-04
2707	155	-11.22	4.20	-0.39	-3.87e-04	0.0	1.21e-04
2707	169	0.69	15.00	-0.28	-1.13e-03	0.0	2.96e-04
2707	176	-2.31	-12.75	-0.45	7.71e-04	0.0	-1.72e-04
2707	187	-11.05	4.35	-0.39	-3.97e-04	0.0	1.27e-04
2707	201	0.69	15.40	-0.28	-1.15e-03	0.0	2.96e-04
2707	208	-2.31	-13.11	-0.46	7.95e-04	0.0	-1.72e-04
2707	219	-12.78	5.12	-0.39	-4.48e-04	0.0	1.50e-04
2707	225	-0.35	18.35	-0.27	-1.35e-03	0.0	6.45e-04
2707	240	-2.63	-15.74	-0.47	9.74e-04	0.0	-2.06e-04
2707	256	-1.01	0.97	-0.47	-2.00e-04	0.0	2.82e-05
2707	264	-1.23	0.88	-0.42	-1.78e-04	0.0	2.90e-05
2707	276	-0.46	1.56	-0.42	-2.21e-04	0.0	1.57e-05
2707	298	-0.45	0.73	-0.39	-1.56e-04	0.0	1.75e-05
2707	305	-0.58	0.71	-0.37	-1.49e-04	0.0	1.86e-05
2707	307	-0.42	0.85	-0.37	-1.58e-04	0.0	1.59e-05
2707	310	-0.42	0.69	-0.37	-1.48e-04	0.0	1.62e-05
2708	28	-1.20	1.07	-0.77	-2.82e-04	0.0	4.50e-05
2708	44	-1.56	0.96	-0.68	-2.60e-04	0.0	5.83e-05
2708	68	-0.45	1.94	-0.67	-3.10e-04	0.0	1.37e-05
2708	123	-9.43	3.32	-0.51	-3.76e-04	0.0	8.26e-05
2708	128	-8.59	-3.05	-0.54	1.60e-04	0.0	-3.86e-05
2708	137	0.65	12.11	-0.32	-1.11e-03	0.0	2.01e-04
2708	155	-10.57	3.70	-0.52	-4.08e-04	0.0	9.22e-05
2708	160	-9.63	-3.52	-0.56	1.99e-04	0.0	-4.46e-05
2708	169	0.77	13.63	-0.31	-1.23e-03	0.0	2.25e-04
2708	187	-10.40	3.83	-0.51	-4.19e-04	0.0	9.62e-05
2708	192	-9.49	-3.63	-0.56	2.07e-04	0.0	-4.25e-05
2708	201	0.78	13.99	-0.31	-1.26e-03	0.0	2.21e-04
2708	219	-12.05	4.52	-0.53	-4.77e-04	0.0	1.14e-04
2708	224	-10.98	-4.41	-0.58	2.72e-04	0.0	-5.12e-05
2708	233	0.97	16.55	-0.29	-1.48e-03	0.0	2.58e-04
2708	256	-0.82	0.74	-0.54	-1.95e-04	0.0	3.06e-05
2708	264	-1.05	0.66	-0.48	-1.81e-04	0.0	3.95e-05
2708	276	-0.31	1.32	-0.47	-2.14e-04	0.0	9.73e-06
2708	298	-0.32	0.56	-0.44	-1.46e-04	0.0	1.15e-05
2708	305	-0.44	0.54	-0.42	-1.42e-04	0.0	1.62e-05
2708	307	-0.30	0.67	-0.42	-1.49e-04	0.0	1.03e-05
2708	310	-0.30	0.53	-0.42	-1.39e-04	0.0	1.08e-05
2709	28	-1.36	1.22	-0.78	-2.88e-04	0.0	5.99e-05
2709	44	-1.70	1.10	-0.70	-2.62e-04	0.0	8.14e-05
2709	68	-0.57	2.11	-0.68	-3.17e-04	0.0	1.48e-05
2709	123	-9.74	3.53	-0.52	-3.68e-04	0.0	9.05e-05
2709	128	-8.87	-3.13	-0.55	1.37e-04	0.0	-4.83e-05
2709	137	0.60	12.69	-0.33	-1.06e-03	0.0	2.26e-04
2709	155	-10.90	3.92	-0.53	-3.98e-04	0.0	1.01e-04
2709	160	-9.93	-3.62	-0.57	1.74e-04	0.0	-5.57e-05
2709	169	0.72	14.28	-0.32	-1.18e-03	0.0	2.53e-04
2709	187	-10.74	4.06	-0.52	-4.08e-04	0.0	1.05e-04
2709	192	-9.79	-3.73	-0.57	1.82e-04	0.0	-5.40e-05
2709	201	0.72	14.65	-0.32	-1.21e-03	0.0	2.51e-04
2709	219	-12.42	4.78	-0.54	-4.63e-04	0.0	1.25e-04
2709	224	-11.32	-4.55	-0.59	2.44e-04	0.0	-6.51e-05
2709	233	0.92	17.33	-0.30	-1.41e-03	0.0	2.93e-04
2709	256	-0.92	0.84	-0.55	-2.00e-04	0.0	4.06e-05
2709	264	-1.15	0.76	-0.49	-1.82e-04	0.0	5.49e-05
2709	276	-0.40	1.43	-0.48	-2.19e-04	0.0	1.05e-05
2709	298	-0.39	0.64	-0.45	-1.52e-04	0.0	1.25e-05
2709	305	-0.52	0.62	-0.43	-1.47e-04	0.0	2.01e-05
2709	307	-0.37	0.75	-0.42	-1.55e-04	0.0	1.12e-05
2709	310	-0.37	0.60	-0.42	-1.45e-04	0.0	1.17e-05
2710	28	-1.48	1.38	-0.79	-2.89e-04	0.0	6.59e-05
2710	44	-1.82	1.24	-0.70	-2.56e-04	0.0	9.17e-05
2710	68	-0.66	2.28	-0.69	-3.22e-04	0.0	1.42e-05
2710	123	-10.03	3.73	-0.52	-3.54e-04	0.0	9.66e-05
2710	128	-9.14	-3.19	-0.56	1.13e-04	0.0	-5.65e-05
2710	137	0.56	13.24	-0.34	-9.97e-04	0.0	2.47e-04
2710	155	-11.22	4.13	-0.53	-3.82e-04	0.0	1.08e-04
2710	160	-10.22	-3.70	-0.57	1.48e-04	0.0	-6.50e-05

2710	169	0.68	14.89	-0.33	-1.11e-03	0.0	2.77e-04
2710	187	-11.05	4.28	-0.53	-3.91e-04	0.0	1.13e-04
2710	192	-10.08	-3.81	-0.57	1.54e-04	0.0	-6.35e-05
2710	201	0.69	15.28	-0.33	-1.13e-03	0.0	2.76e-04
2710	219	-12.79	5.03	-0.55	-4.41e-04	0.0	1.35e-04
2710	224	-11.65	-4.66	-0.60	2.12e-04	0.0	-7.63e-05
2710	233	0.89	18.06	-0.31	-1.32e-03	0.0	3.23e-04
2710	256	-1.01	0.95	-0.56	-2.01e-04	0.0	4.45e-05
2710	264	-1.24	0.86	-0.50	-1.79e-04	0.0	6.17e-05
2710	276	-0.46	1.55	-0.49	-2.23e-04	0.0	1.00e-05
2710	298	-0.45	0.72	-0.45	-1.57e-04	0.0	1.21e-05
2710	305	-0.58	0.70	-0.43	-1.50e-04	0.0	2.12e-05
2710	307	-0.42	0.84	-0.43	-1.59e-04	0.0	1.08e-05
2710	310	-0.43	0.68	-0.43	-1.49e-04	0.0	1.13e-05
2711	44	-1.93	1.54	-0.28	0.0	-1.98e-04	-1.16e-03
2711	52	-0.87	2.38	-0.40	0.0	-2.03e-04	7.36e-05
2711	68	-0.74	2.64	-0.38	0.0	-1.79e-04	5.83e-05
2711	123	-10.30	4.33	0.03	0.0	-5.30e-04	-2.31e-04
2711	129	-0.39	14.74	-0.72	0.0	-1.24e-04	4.58e-04
2711	141	1.23	13.57	-0.76	0.0	-5.87e-05	2.62e-04
2711	155	-11.51	4.79	0.06	0.0	-5.83e-04	-2.64e-04
2711	161	-0.39	16.58	-0.78	0.0	-1.27e-04	5.12e-04
2711	173	1.45	15.24	-0.83	0.0	-5.28e-05	2.90e-04
2711	187	-11.34	4.96	0.05	0.0	-5.75e-04	-2.54e-04
2711	193	-0.40	17.19	-0.80	0.0	-1.30e-04	5.20e-04
2711	205	1.45	15.63	-0.84	0.0	-5.40e-05	2.89e-04
2711	219	-13.11	5.81	0.09	0.0	-6.52e-04	-2.97e-04
2711	225	-0.41	20.54	-0.92	0.0	-1.36e-04	6.12e-04
2711	237	1.78	18.44	-0.96	0.0	-4.60e-05	3.33e-04
2711	264	-1.31	1.07	-0.21	0.0	-1.38e-04	-7.69e-04
2711	268	-0.60	1.63	-0.28	0.0	-1.41e-04	5.05e-05
2711	276	-0.52	1.80	-0.27	0.0	-1.25e-04	4.03e-05
2711	301	-0.48	0.89	-0.22	0.0	-1.12e-04	3.84e-05
2711	305	-0.63	0.88	-0.21	0.0	-1.10e-04	-1.23e-04
2711	307	-0.47	1.03	-0.22	0.0	-1.08e-04	3.92e-05
2711	310	-0.47	0.87	-0.21	0.0	-1.07e-04	3.92e-05
2712	44	-2.04	1.68	-0.29	0.0	-1.56e-04	-9.31e-04
2712	52	-0.97	2.56	-0.40	0.0	-1.97e-04	6.87e-05
2712	68	-0.82	2.81	-0.38	0.0	-1.76e-04	5.51e-05
2712	123	-10.56	4.53	0.03	0.0	-5.13e-04	-1.67e-04
2712	129	-0.45	15.27	-0.71	0.0	-1.22e-04	4.60e-04
2712	141	1.21	14.07	-0.75	0.0	-5.95e-05	2.44e-04
2712	155	-11.80	5.01	0.06	0.0	-5.64e-04	-1.92e-04
2712	161	-0.45	17.18	-0.77	0.0	-1.25e-04	5.15e-04
2712	173	1.43	15.80	-0.82	0.0	-5.40e-05	2.70e-04
2712	187	-11.62	5.18	0.05	0.0	-5.56e-04	-1.83e-04
2712	193	-0.46	17.80	-0.79	0.0	-1.28e-04	5.23e-04
2712	205	1.43	16.20	-0.83	0.0	-5.54e-05	2.69e-04
2712	219	-13.43	6.06	0.09	0.0	-6.30e-04	-2.14e-04
2712	225	-0.48	21.26	-0.90	0.0	-1.35e-04	6.16e-04
2712	237	1.76	19.10	-0.94	0.0	-4.81e-05	3.10e-04
2712	264	-1.38	1.17	-0.21	0.0	-1.10e-04	-6.19e-04
2712	268	-0.67	1.76	-0.28	0.0	-1.38e-04	4.72e-05
2712	276	-0.58	1.92	-0.27	0.0	-1.23e-04	3.82e-05
2712	301	-0.54	0.98	-0.22	0.0	-1.09e-04	3.61e-05
2712	305	-0.68	0.96	-0.21	0.0	-1.02e-04	-9.49e-05
2712	307	-0.52	1.12	-0.22	0.0	-1.05e-04	3.65e-05
2712	310	-0.52	0.95	-0.21	0.0	-1.04e-04	3.66e-05
2713	44	-1.12	0.30	-0.34	0.0	9.38e-05	5.01e-04
2713	52	-0.07	0.64	-0.43	0.0	-4.67e-05	1.94e-05
2713	68	-0.05	0.85	-0.41	0.0	-3.64e-05	1.37e-05
2713	123	-5.57	2.10	-0.45	0.0	-1.26e-03	1.67e-04
2713	137	1.67	6.40	-0.98	0.0	3.54e-04	-6.99e-05
2713	155	-6.25	2.36	-0.49	0.0	-1.41e-03	1.86e-04
2713	169	1.88	7.22	-1.09	0.0	4.01e-04	-7.97e-05
2713	187	-6.15	2.43	-0.50	0.0	-1.39e-03	1.85e-04
2713	201	1.82	7.42	-1.11	0.0	3.88e-04	-7.40e-05
2713	219	-7.15	2.89	-0.55	0.0	-1.61e-03	2.14e-04
2713	225	-0.11	8.89	-1.29	0.0	-9.97e-06	1.94e-04
2713	264	-0.75	0.20	-0.24	0.0	6.11e-05	3.35e-04
2713	268	-0.05	0.44	-0.30	0.0	-3.26e-05	1.37e-05
2713	276	-0.03	0.57	-0.29	0.0	-2.57e-05	9.84e-06
2713	298	-0.05	0.15	-0.22	0.0	-2.97e-05	1.32e-05
2713	305	-0.18	0.15	-0.21	0.0	-9.75e-06	7.66e-05
2713	307	-0.04	0.23	-0.22	0.0	-2.71e-05	1.16e-05

2713	310	-0.04	0.14	-0.21	0.0	-2.81e-05	1.24e-05
2714	28	-1.23	1.03	-1.27	-2.49e-04	0.0	2.31e-05
2714	44	-1.58	0.90	-1.13	-2.05e-04	0.0	3.65e-05
2714	68	-0.47	1.93	-1.11	-3.09e-04	0.0	3.96e-06
2714	123	-9.44	3.24	-1.00	-3.65e-04	0.0	6.94e-05
2714	137	0.63	12.01	-0.69	-1.10e-03	0.0	1.80e-04
2714	155	-10.57	3.61	-1.04	-3.95e-04	0.0	7.85e-05
2714	169	0.75	13.52	-0.69	-1.22e-03	0.0	2.03e-04
2714	187	-10.41	3.74	-1.04	-4.06e-04	0.0	8.23e-05
2714	201	0.76	13.87	-0.70	-1.25e-03	0.0	1.99e-04
2714	219	-12.06	4.41	-1.10	-4.61e-04	0.0	9.95e-05
2714	233	0.95	16.41	-0.70	-1.46e-03	0.0	2.33e-04
2714	256	-0.84	0.71	-0.89	-1.74e-04	0.0	1.56e-05
2714	264	-1.07	0.62	-0.80	-1.44e-04	0.0	2.46e-05
2714	276	-0.33	1.31	-0.78	-2.14e-04	0.0	2.89e-06
2714	298	-0.33	0.56	-0.72	-1.46e-04	0.0	1.46e-06
2714	305	-0.46	0.53	-0.69	-1.35e-04	0.0	5.91e-06
2714	307	-0.31	0.67	-0.68	-1.49e-04	0.0	1.57e-06
2714	310	-0.31	0.52	-0.68	-1.39e-04	0.0	1.51e-06
2715	28	-1.38	1.16	-1.28	-2.60e-04	0.0	3.32e-05
2715	44	-1.72	1.01	-1.14	-2.19e-04	0.0	5.35e-05
2715	68	-0.58	2.10	-1.12	-3.12e-04	0.0	5.58e-06
2715	123	-9.75	3.45	-1.00	-3.56e-04	0.0	6.80e-05
2715	137	0.58	12.58	-0.71	-1.05e-03	0.0	1.76e-04
2715	155	-10.91	3.83	-1.04	-3.85e-04	0.0	7.69e-05
2715	169	0.70	14.16	-0.71	-1.16e-03	0.0	1.97e-04
2715	187	-10.74	3.97	-1.03	-3.95e-04	0.0	8.06e-05
2715	201	0.71	14.53	-0.71	-1.19e-03	0.0	1.92e-04
2715	219	-12.43	4.67	-1.09	-4.47e-04	0.0	9.73e-05
2715	233	0.90	17.18	-0.72	-1.39e-03	0.0	2.24e-04
2715	256	-0.94	0.80	-0.90	-1.81e-04	0.0	2.25e-05
2715	264	-1.16	0.70	-0.80	-1.54e-04	0.0	3.60e-05
2715	276	-0.41	1.43	-0.79	-2.16e-04	0.0	4.04e-06
2715	298	-0.41	0.64	-0.72	-1.50e-04	0.0	1.51e-06
2715	305	-0.53	0.60	-0.69	-1.40e-04	0.0	8.23e-06
2715	307	-0.38	0.75	-0.69	-1.52e-04	0.0	1.83e-06
2715	310	-0.38	0.60	-0.69	-1.42e-04	0.0	1.65e-06
2716	28	-1.49	1.30	-1.29	-2.74e-04	0.0	4.31e-05
2716	44	-1.83	1.13	-1.15	-2.37e-04	0.0	6.64e-05
2716	68	-0.67	2.27	-1.13	-3.15e-04	0.0	1.00e-05
2716	123	-10.04	3.64	-1.00	-3.44e-04	0.0	6.99e-05
2716	137	0.56	13.12	-0.72	-9.79e-04	0.0	3.91e-06
2716	155	-11.23	4.04	-1.03	-3.71e-04	0.0	7.87e-05
2716	169	0.68	14.76	-0.72	-1.09e-03	0.0	4.01e-06
2716	187	-11.06	4.18	-1.03	-3.80e-04	0.0	8.22e-05
2716	201	0.68	15.14	-0.72	-1.11e-03	0.0	7.55e-06
2716	219	-12.79	4.91	-1.09	-4.28e-04	0.0	9.88e-05
2716	233	0.88	17.90	-0.73	-1.30e-03	0.0	9.12e-06
2716	256	-1.02	0.90	-0.90	-1.91e-04	0.0	2.92e-05
2716	264	-1.24	0.79	-0.81	-1.66e-04	0.0	4.48e-05
2716	276	-0.47	1.55	-0.79	-2.18e-04	0.0	7.19e-06
2716	298	-0.46	0.72	-0.73	-1.53e-04	0.0	4.05e-06
2716	305	-0.58	0.68	-0.70	-1.45e-04	0.0	1.18e-05
2716	307	-0.43	0.83	-0.69	-1.55e-04	0.0	4.30e-06
2716	310	-0.43	0.68	-0.69	-1.45e-04	0.0	4.09e-06
2717	28	-1.59	1.49	-0.94	-2.88e-04	-2.14e-04	1.14e-04
2717	44	-1.93	1.32	-0.84	-2.51e-04	-2.08e-04	1.73e-04
2717	68	-0.74	2.44	-0.82	-3.21e-04	-1.69e-04	1.75e-05
2717	123	-10.30	3.86	-0.69	-3.37e-04	-5.32e-04	1.42e-04
2717	137	0.53	13.64	-0.45	-9.30e-04	-7.58e-05	2.22e-04
2717	155	-11.52	4.28	-0.72	-3.62e-04	-5.85e-04	1.59e-04
2717	169	0.66	15.33	-0.44	-1.03e-03	-7.29e-05	2.48e-04
2717	187	-11.35	4.43	-0.71	-3.71e-04	-5.78e-04	1.60e-04
2717	201	0.66	15.73	-0.44	-1.05e-03	-7.40e-05	2.45e-04
2717	219	-13.12	5.19	-0.75	-4.17e-04	-6.56e-04	1.88e-04
2717	233	0.86	18.58	-0.43	-1.23e-03	-7.00e-05	2.85e-04
2717	256	-1.08	1.03	-0.66	-2.00e-04	-1.49e-04	7.67e-05
2717	264	-1.31	0.92	-0.59	-1.76e-04	-1.45e-04	1.16e-04
2717	276	-0.52	1.66	-0.58	-2.22e-04	-1.18e-04	1.24e-05
2717	298	-0.51	0.80	-0.53	-1.59e-04	-1.06e-04	1.16e-05
2717	305	-0.63	0.77	-0.51	-1.51e-04	-1.07e-04	3.16e-05
2717	307	-0.47	0.92	-0.51	-1.60e-04	-1.01e-04	1.09e-05
2717	310	-0.48	0.76	-0.51	-1.51e-04	-1.01e-04	1.09e-05
2718	44	-1.93	1.48	-0.37	-2.53e-04	0.0	8.13e-05
2718	52	-0.87	2.31	-0.48	-3.34e-04	0.0	1.15e-04

2718	68	-0.74	2.57	-0.45	-3.26e-04	0.0	1.09e-04
2718	123	-10.30	4.24	-0.09	-3.51e-04	0.0	1.42e-04
2718	129	-0.40	14.49	-0.59	-9.88e-04	0.0	5.13e-04
2718	141	1.23	13.43	-0.62	-9.40e-04	0.0	2.61e-04
2718	155	-11.51	4.69	-0.07	-3.78e-04	0.0	1.54e-04
2718	161	-0.39	16.31	-0.64	-1.10e-03	0.0	5.73e-04
2718	173	1.45	15.08	-0.67	-1.04e-03	0.0	2.88e-04
2718	187	-11.34	4.86	-0.08	-3.88e-04	0.0	1.59e-04
2718	193	-0.40	16.90	-0.65	-1.13e-03	0.0	5.84e-04
2718	205	1.45	15.47	-0.67	-1.07e-03	0.0	2.92e-04
2718	219	-13.11	5.70	-0.05	-4.38e-04	0.0	1.81e-04
2718	225	-0.41	20.20	-0.73	-1.33e-03	0.0	6.89e-04
2718	237	1.78	18.25	-0.75	-1.24e-03	0.0	3.36e-04
2718	264	-1.31	1.03	-0.27	-1.77e-04	0.0	5.72e-05
2718	268	-0.60	1.58	-0.34	-2.31e-04	0.0	7.97e-05
2718	276	-0.52	1.75	-0.32	-2.26e-04	0.0	7.58e-05
2718	301	-0.48	0.86	-0.27	-1.58e-04	0.0	5.58e-05
2718	305	-0.63	0.85	-0.25	-1.52e-04	0.0	5.34e-05
2718	307	-0.47	0.99	-0.26	-1.62e-04	0.0	5.71e-05
2718	310	-0.47	0.83	-0.26	-1.52e-04	0.0	5.43e-05
2719	28	-1.69	1.63	-0.95	-2.85e-04	-2.08e-04	1.08e-04
2719	44	-2.03	1.44	-0.85	-2.47e-04	-1.99e-04	1.58e-04
2719	68	-0.82	2.60	-0.83	-3.16e-04	-1.71e-04	2.38e-05
2719	123	-10.56	4.03	-0.70	-3.24e-04	-5.18e-04	9.12e-05
2719	137	0.50	14.08	-0.45	-8.81e-04	-7.88e-05	2.36e-04
2719	155	-11.81	4.46	-0.72	-3.47e-04	-5.70e-04	1.02e-04
2719	169	0.63	15.83	-0.45	-9.77e-04	-7.63e-05	2.64e-04
2719	187	-11.63	4.61	-0.72	-3.55e-04	-5.63e-04	1.06e-04
2719	201	0.64	16.24	-0.45	-9.98e-04	-7.75e-05	2.61e-04
2719	219	-13.44	5.40	-0.75	-3.98e-04	-6.38e-04	1.26e-04
2719	233	0.84	19.17	-0.44	-1.16e-03	-7.41e-05	3.04e-04
2719	256	-1.15	1.13	-0.67	-1.98e-04	-1.45e-04	7.28e-05
2719	264	-1.38	1.01	-0.60	-1.73e-04	-1.39e-04	1.06e-04
2719	276	-0.57	1.77	-0.59	-2.18e-04	-1.20e-04	1.67e-05
2719	298	-0.55	0.88	-0.54	-1.57e-04	-1.06e-04	1.52e-05
2719	305	-0.68	0.84	-0.52	-1.49e-04	-1.05e-04	3.22e-05
2719	307	-0.52	1.00	-0.52	-1.58e-04	-1.01e-04	1.43e-05
2719	310	-0.52	0.83	-0.51	-1.49e-04	-1.01e-04	1.43e-05
2720	44	-2.03	1.61	-0.38	-2.29e-04	0.0	9.57e-05
2720	52	-0.97	2.47	-0.49	-3.06e-04	0.0	1.28e-04
2720	68	-0.82	2.72	-0.45	-2.98e-04	0.0	1.21e-04
2720	123	-10.56	4.41	-0.09	-3.02e-04	0.0	1.70e-04
2720	129	-0.45	14.94	-0.60	-8.33e-04	0.0	6.05e-04
2720	141	1.21	13.85	-0.63	-8.04e-04	0.0	3.38e-04
2720	155	-11.80	4.88	-0.07	-3.23e-04	0.0	1.85e-04
2720	161	-0.45	16.80	-0.64	-9.25e-04	0.0	6.76e-04
2720	173	1.43	15.56	-0.67	-8.91e-04	0.0	3.74e-04
2720	187	-11.62	5.05	-0.08	-3.32e-04	0.0	1.92e-04
2720	193	-0.46	17.42	-0.66	-9.53e-04	0.0	6.92e-04
2720	205	1.43	15.96	-0.68	-9.10e-04	0.0	3.81e-04
2720	219	-13.43	5.91	-0.06	-3.72e-04	0.0	2.19e-04
2720	225	-0.48	20.80	-0.73	-1.12e-03	0.0	8.17e-04
2720	237	1.76	18.82	-0.76	-1.06e-03	0.0	4.41e-04
2720	264	-1.38	1.12	-0.27	-1.60e-04	0.0	6.71e-05
2720	268	-0.67	1.69	-0.34	-2.11e-04	0.0	8.85e-05
2720	276	-0.58	1.86	-0.32	-2.06e-04	0.0	8.40e-05
2720	301	-0.54	0.93	-0.27	-1.45e-04	0.0	6.23e-05
2720	305	-0.68	0.92	-0.26	-1.39e-04	0.0	6.01e-05
2720	307	-0.52	1.07	-0.27	-1.48e-04	0.0	6.34e-05
2720	310	-0.52	0.90	-0.26	-1.39e-04	0.0	6.04e-05
2721	44	-1.93	1.45	-0.45	-2.44e-04	0.0	5.62e-05
2721	52	-0.87	2.25	-0.54	-3.26e-04	0.0	8.50e-05
2721	68	-0.74	2.52	-0.49	-3.19e-04	0.0	7.92e-05
2721	123	-10.30	4.16	-0.19	-3.38e-04	0.0	1.28e-04
2721	129	-0.40	14.25	-0.48	-9.40e-04	0.0	4.92e-04
2721	141	1.23	13.30	-0.49	-9.01e-04	0.0	2.27e-04
2721	155	-11.52	4.61	-0.18	-3.63e-04	0.0	1.40e-04
2721	161	-0.39	16.04	-0.50	-1.04e-03	0.0	5.51e-04
2721	173	1.45	14.95	-0.52	-1.00e-03	0.0	2.51e-04
2721	187	-11.34	4.77	-0.18	-3.73e-04	0.0	1.45e-04
2721	193	-0.40	16.63	-0.51	-1.08e-03	0.0	5.61e-04
2721	205	1.45	15.33	-0.52	-1.02e-03	0.0	2.54e-04
2721	219	-13.11	5.60	-0.17	-4.20e-04	0.0	1.67e-04
2721	225	-0.41	19.88	-0.55	-1.27e-03	0.0	6.64e-04
2721	237	1.78	18.09	-0.57	-1.19e-03	0.0	2.93e-04

2721	264	-1.31	1.01	-0.32	-1.71e-04	0.0	3.97e-05
2721	268	-0.60	1.54	-0.38	-2.26e-04	0.0	5.88e-05
2721	276	-0.52	1.72	-0.35	-2.21e-04	0.0	5.49e-05
2721	298	-0.50	0.85	-0.31	-1.56e-04	0.0	4.32e-05
2721	305	-0.63	0.82	-0.29	-1.48e-04	0.0	3.94e-05
2721	307	-0.47	0.97	-0.30	-1.58e-04	0.0	4.25e-05
2721	310	-0.47	0.81	-0.29	-1.48e-04	0.0	4.06e-05
2722	44	-2.03	1.56	-0.46	-2.30e-04	0.0	6.13e-05
2722	52	-0.97	2.41	-0.55	-3.15e-04	0.0	8.53e-05
2722	68	-0.82	2.67	-0.50	-3.07e-04	0.0	7.92e-05
2722	123	-10.56	4.33	-0.20	-3.03e-04	0.0	1.33e-04
2722	129	-0.45	14.68	-0.48	-8.22e-04	0.0	5.14e-04
2722	141	1.21	13.71	-0.50	-8.04e-04	0.0	2.40e-04
2722	155	-11.80	4.79	-0.18	-3.25e-04	0.0	1.45e-04
2722	161	-0.45	16.52	-0.51	-9.13e-04	0.0	5.76e-04
2722	173	1.43	15.40	-0.52	-8.91e-04	0.0	2.66e-04
2722	187	-11.62	4.95	-0.19	-3.33e-04	0.0	1.51e-04
2722	193	-0.47	17.12	-0.51	-9.40e-04	0.0	5.88e-04
2722	205	1.43	15.80	-0.53	-9.10e-04	0.0	2.69e-04
2722	219	-13.43	5.80	-0.17	-3.72e-04	0.0	1.74e-04
2722	225	-0.48	20.45	-0.56	-1.10e-03	0.0	6.95e-04
2722	237	1.76	18.64	-0.57	-1.05e-03	0.0	3.11e-04
2722	264	-1.38	1.09	-0.32	-1.61e-04	0.0	4.31e-05
2722	268	-0.67	1.65	-0.39	-2.18e-04	0.0	5.91e-05
2722	276	-0.58	1.83	-0.36	-2.13e-04	0.0	5.50e-05
2722	301	-0.54	0.91	-0.31	-1.49e-04	0.0	4.20e-05
2722	305	-0.68	0.89	-0.29	-1.42e-04	0.0	4.03e-05
2722	307	-0.52	1.04	-0.30	-1.53e-04	0.0	4.27e-05
2722	310	-0.52	0.88	-0.30	-1.43e-04	0.0	4.10e-05
2723	44	-1.93	1.42	-0.51	-2.41e-04	0.0	3.54e-05
2723	52	-0.87	2.22	-0.59	-3.25e-04	0.0	5.80e-05
2723	68	-0.74	2.48	-0.53	-3.18e-04	0.0	5.19e-05
2723	123	-10.30	4.09	-0.27	-3.36e-04	0.0	1.17e-04
2723	125	8.43	4.87	-0.41	-3.97e-04	0.0	9.73e-05
2723	129	-0.40	14.04	-0.39	-9.26e-04	0.0	4.78e-04
2723	155	-11.52	4.53	-0.26	-3.61e-04	0.0	1.29e-04
2723	157	9.54	5.40	-0.42	-4.30e-04	0.0	1.06e-04
2723	161	-0.39	15.80	-0.40	-1.03e-03	0.0	5.36e-04
2723	187	-11.34	4.69	-0.27	-3.70e-04	0.0	1.34e-04
2723	189	9.39	5.52	-0.42	-4.36e-04	0.0	1.05e-04
2723	193	-0.41	16.38	-0.41	-1.06e-03	0.0	5.47e-04
2723	219	-13.11	5.50	-0.26	-4.17e-04	0.0	1.56e-04
2723	221	10.99	6.41	-0.44	-4.90e-04	0.0	1.18e-04
2723	225	-0.41	19.57	-0.42	-1.25e-03	0.0	6.48e-04
2723	264	-1.31	0.99	-0.36	-1.68e-04	0.0	2.51e-05
2723	268	-0.61	1.52	-0.42	-2.25e-04	0.0	4.01e-05
2723	276	-0.52	1.69	-0.38	-2.20e-04	0.0	3.61e-05
2723	298	-0.50	0.83	-0.34	-1.56e-04	0.0	3.06e-05
2723	305	-0.63	0.81	-0.32	-1.47e-04	0.0	2.74e-05
2723	307	-0.47	0.95	-0.33	-1.57e-04	0.0	2.96e-05
2723	310	-0.47	0.79	-0.32	-1.48e-04	0.0	2.87e-05
2724	44	-2.03	1.54	-0.52	-2.29e-04	0.0	3.75e-05
2724	52	-0.97	2.38	-0.60	-3.23e-04	0.0	5.48e-05
2724	68	-0.82	2.64	-0.54	-3.15e-04	0.0	4.89e-05
2724	123	-10.56	4.26	-0.27	-3.08e-04	0.0	1.15e-04
2724	125	8.57	5.04	-0.41	-3.72e-04	0.0	9.60e-05
2724	137	0.50	14.46	-0.40	-8.56e-04	0.0	2.84e-04
2724	155	-11.80	4.71	-0.27	-3.30e-04	0.0	1.27e-04
2724	157	9.70	5.59	-0.43	-4.02e-04	0.0	1.05e-04
2724	161	-0.45	16.27	-0.41	-9.18e-04	0.0	5.38e-04
2724	187	-11.63	4.87	-0.27	-3.38e-04	0.0	1.32e-04
2724	189	9.55	5.72	-0.43	-4.07e-04	0.0	1.03e-04
2724	193	-0.47	16.86	-0.41	-9.45e-04	0.0	5.48e-04
2724	219	-13.43	5.71	-0.26	-3.78e-04	0.0	1.54e-04
2724	221	11.18	6.64	-0.44	-4.56e-04	0.0	1.17e-04
2724	225	-0.48	20.14	-0.43	-1.11e-03	0.0	6.51e-04
2724	264	-1.38	1.07	-0.37	-1.61e-04	0.0	2.64e-05
2724	268	-0.67	1.63	-0.42	-2.23e-04	0.0	3.79e-05
2724	276	-0.58	1.80	-0.38	-2.18e-04	0.0	3.40e-05
2724	298	-0.55	0.91	-0.34	-1.55e-04	0.0	2.90e-05
2724	305	-0.68	0.88	-0.33	-1.45e-04	0.0	2.64e-05
2724	307	-0.52	1.02	-0.33	-1.56e-04	0.0	2.79e-05
2724	310	-0.52	0.86	-0.33	-1.47e-04	0.0	2.71e-05
2725	44	-1.93	1.41	-0.56	-2.40e-04	0.0	2.76e-05
2725	52	-0.87	2.19	-0.63	-3.27e-04	0.0	3.83e-05

2725	68	-0.74	2.46	-0.56	-3.19e-04	0.0	3.19e-05
2725	123	-10.30	4.03	-0.33	-3.36e-04	0.0	1.12e-04
2725	137	0.53	13.92	-0.33	-9.41e-04	0.0	2.75e-04
2725	138	2.66	-10.52	-0.37	5.33e-04	0.0	-5.40e-05
2725	155	-11.52	4.46	-0.33	-3.62e-04	0.0	1.25e-04
2725	169	0.66	15.65	-0.33	-1.04e-03	0.0	3.07e-04
2725	170	3.04	-12.00	-0.37	6.23e-04	0.0	-6.40e-05
2725	187	-11.34	4.62	-0.33	-3.71e-04	0.0	1.30e-04
2725	193	-0.41	16.13	-0.33	-1.06e-03	0.0	5.49e-04
2725	202	2.94	-12.35	-0.37	6.42e-04	0.0	-6.67e-05
2725	219	-13.11	5.42	-0.33	-4.17e-04	0.0	1.54e-04
2725	225	-0.41	19.27	-0.33	-1.24e-03	0.0	6.53e-04
2725	234	3.49	-14.84	-0.38	7.91e-04	0.0	-8.38e-05
2725	264	-1.31	0.98	-0.39	-1.68e-04	0.0	1.93e-05
2725	268	-0.61	1.50	-0.45	-2.26e-04	0.0	2.64e-05
2725	276	-0.52	1.68	-0.40	-2.21e-04	0.0	2.22e-05
2725	298	-0.50	0.82	-0.36	-1.57e-04	0.0	2.15e-05
2725	305	-0.63	0.79	-0.35	-1.47e-04	0.0	1.95e-05
2725	307	-0.47	0.93	-0.35	-1.58e-04	0.0	2.01e-05
2725	310	-0.47	0.77	-0.35	-1.48e-04	0.0	2.00e-05
2726	44	-2.03	1.53	-0.57	-2.27e-04	0.0	2.78e-05
2726	52	-0.97	2.35	-0.64	-3.27e-04	0.0	3.49e-05
2726	68	-0.82	2.62	-0.57	-3.19e-04	0.0	2.91e-05
2726	123	-10.56	4.19	-0.34	-3.13e-04	0.0	1.09e-04
2726	137	0.50	14.36	-0.34	-8.67e-04	0.0	2.70e-04
2726	138	2.68	-10.76	-0.37	4.69e-04	0.0	-4.92e-05
2726	155	-11.80	4.64	-0.33	-3.35e-04	0.0	1.21e-04
2726	169	0.63	16.14	-0.34	-9.61e-04	0.0	3.02e-04
2726	170	3.07	-12.29	-0.38	5.50e-04	0.0	-5.83e-05
2726	187	-11.63	4.80	-0.33	-3.43e-04	0.0	1.26e-04
2726	193	-0.47	16.62	-0.34	-9.55e-04	0.0	5.45e-04
2726	202	2.97	-12.64	-0.38	5.67e-04	0.0	-6.06e-05
2726	219	-13.43	5.62	-0.33	-3.84e-04	0.0	1.49e-04
2726	225	-0.48	19.85	-0.33	-1.12e-03	0.0	6.48e-04
2726	234	3.53	-15.20	-0.38	7.03e-04	0.0	-7.62e-05
2726	264	-1.38	1.06	-0.40	-1.59e-04	0.0	1.94e-05
2726	268	-0.67	1.61	-0.45	-2.26e-04	0.0	2.41e-05
2726	276	-0.58	1.79	-0.40	-2.20e-04	0.0	2.03e-05
2726	298	-0.55	0.90	-0.37	-1.57e-04	0.0	1.95e-05
2726	305	-0.68	0.87	-0.35	-1.46e-04	0.0	1.81e-05
2726	307	-0.52	1.01	-0.35	-1.59e-04	0.0	1.83e-05
2726	310	-0.52	0.85	-0.35	-1.49e-04	0.0	1.82e-05
2727	28	-1.59	1.55	-0.68	-2.80e-04	0.0	3.75e-05
2727	44	-1.93	1.40	-0.61	-2.40e-04	0.0	3.92e-05
2727	68	-0.74	2.45	-0.60	-3.20e-04	0.0	1.97e-05
2727	123	-10.30	3.97	-0.40	-3.38e-04	0.0	1.10e-04
2727	137	0.53	13.82	-0.30	-9.41e-04	0.0	2.73e-04
2727	144	-2.18	-11.49	-0.45	5.95e-04	0.0	-1.60e-04
2727	155	-11.52	4.40	-0.40	-3.63e-04	0.0	1.23e-04
2727	169	0.66	15.54	-0.29	-1.04e-03	0.0	3.05e-04
2727	176	-2.40	-13.11	-0.46	6.93e-04	0.0	-1.82e-04
2727	187	-11.34	4.55	-0.40	-3.72e-04	0.0	1.28e-04
2727	201	0.66	15.95	-0.29	-1.07e-03	0.0	3.05e-04
2727	208	-2.40	-13.48	-0.46	7.14e-04	0.0	-1.83e-04
2727	219	-13.11	5.34	-0.40	-4.18e-04	0.0	1.53e-04
2727	225	-0.42	19.00	-0.28	-1.24e-03	0.0	6.63e-04
2727	240	-2.72	-16.19	-0.47	8.78e-04	0.0	-2.19e-04
2727	256	-1.08	1.07	-0.48	-1.95e-04	0.0	2.56e-05
2727	264	-1.31	0.97	-0.43	-1.68e-04	0.0	2.67e-05
2727	276	-0.52	1.67	-0.43	-2.22e-04	0.0	1.37e-05
2727	298	-0.50	0.81	-0.39	-1.58e-04	0.0	1.55e-05
2727	305	-0.63	0.79	-0.38	-1.48e-04	0.0	1.67e-05
2727	307	-0.47	0.93	-0.37	-1.59e-04	0.0	1.41e-05
2727	310	-0.48	0.77	-0.37	-1.49e-04	0.0	1.43e-05
2728	28	-1.69	1.68	-0.70	-2.72e-04	0.0	3.40e-05
2728	44	-2.03	1.51	-0.62	-2.25e-04	0.0	3.57e-05
2728	68	-0.82	2.61	-0.61	-3.20e-04	0.0	1.78e-05
2728	123	-10.56	4.14	-0.40	-3.17e-04	0.0	1.08e-04
2728	137	0.50	14.27	-0.31	-8.75e-04	0.0	2.70e-04
2728	144	-2.26	-11.77	-0.45	5.33e-04	0.0	-1.58e-04
2728	155	-11.80	4.58	-0.41	-3.40e-04	0.0	1.20e-04
2728	169	0.63	16.04	-0.30	-9.71e-04	0.0	3.02e-04
2728	176	-2.48	-13.42	-0.46	6.23e-04	0.0	-1.80e-04
2728	187	-11.63	4.74	-0.41	-3.48e-04	0.0	1.26e-04
2728	201	0.63	16.46	-0.30	-9.92e-04	0.0	3.02e-04

2728	208	-2.48	-13.81	-0.46	6.42e-04	0.0	-1.81e-04
2728	219	-13.44	5.55	-0.41	-3.89e-04	0.0	1.50e-04
2728	225	-0.48	19.58	-0.29	-1.13e-03	0.0	6.59e-04
2728	240	-2.81	-16.60	-0.48	7.92e-04	0.0	-2.16e-04
2728	256	-1.15	1.17	-0.49	-1.89e-04	0.0	2.32e-05
2728	264	-1.38	1.05	-0.44	-1.58e-04	0.0	2.43e-05
2728	276	-0.58	1.78	-0.43	-2.21e-04	0.0	1.24e-05
2728	298	-0.56	0.89	-0.40	-1.59e-04	0.0	1.38e-05
2728	305	-0.68	0.86	-0.38	-1.47e-04	0.0	1.50e-05
2728	307	-0.52	1.01	-0.38	-1.60e-04	0.0	1.26e-05
2728	310	-0.52	0.84	-0.38	-1.50e-04	0.0	1.27e-05
2729	28	-1.59	1.52	-0.80	-2.84e-04	0.0	6.41e-05
2729	44	-1.93	1.37	-0.71	-2.45e-04	0.0	8.98e-05
2729	68	-0.74	2.44	-0.69	-3.22e-04	0.0	1.33e-05
2729	123	-10.30	3.91	-0.53	-3.38e-04	0.0	1.00e-04
2729	128	-9.38	-3.23	-0.56	9.37e-05	0.0	-5.99e-05
2729	137	0.53	13.72	-0.34	-9.37e-04	0.0	2.59e-04
2729	155	-11.52	4.33	-0.54	-3.63e-04	0.0	1.13e-04
2729	160	-10.49	-3.76	-0.58	1.26e-04	0.0	-6.87e-05
2729	169	0.66	15.42	-0.33	-1.04e-03	0.0	2.91e-04
2729	187	-11.34	4.48	-0.54	-3.72e-04	0.0	1.18e-04
2729	192	-10.34	-3.87	-0.58	1.32e-04	0.0	-6.73e-05
2729	201	0.66	15.82	-0.33	-1.06e-03	0.0	2.90e-04
2729	219	-13.12	5.25	-0.55	-4.18e-04	0.0	1.41e-04
2729	224	-11.94	-4.75	-0.60	1.85e-04	0.0	-8.07e-05
2729	233	0.86	18.69	-0.31	-1.24e-03	0.0	3.40e-04
2729	256	-1.08	1.05	-0.56	-1.98e-04	0.0	4.32e-05
2729	264	-1.31	0.95	-0.50	-1.71e-04	0.0	6.03e-05
2729	276	-0.52	1.67	-0.49	-2.23e-04	0.0	9.33e-06
2729	298	-0.50	0.81	-0.45	-1.59e-04	0.0	1.13e-05
2729	305	-0.63	0.78	-0.44	-1.50e-04	0.0	2.03e-05
2729	307	-0.47	0.92	-0.43	-1.60e-04	0.0	1.01e-05
2729	310	-0.48	0.76	-0.43	-1.51e-04	0.0	1.04e-05
2730	28	-1.69	1.66	-0.81	-2.75e-04	0.0	5.69e-05
2730	44	-2.03	1.49	-0.72	-2.30e-04	0.0	7.82e-05
2730	68	-0.82	2.60	-0.70	-3.18e-04	0.0	1.34e-05
2730	123	-10.56	4.08	-0.53	-3.22e-04	0.0	1.02e-04
2730	128	-9.62	-3.26	-0.57	7.90e-05	0.0	-5.86e-05
2730	137	0.50	14.16	-0.35	-8.82e-04	0.0	2.62e-04
2730	155	-11.81	4.51	-0.55	-3.45e-04	0.0	1.15e-04
2730	160	-10.75	-3.80	-0.58	1.09e-04	0.0	-6.72e-05
2730	169	0.63	15.92	-0.34	-9.79e-04	0.0	2.94e-04
2730	187	-11.63	4.66	-0.54	-3.53e-04	0.0	1.20e-04
2730	192	-10.60	-3.92	-0.58	1.15e-04	0.0	-6.57e-05
2730	201	0.63	16.33	-0.34	-1.00e-03	0.0	2.94e-04
2730	219	-13.44	5.46	-0.56	-3.95e-04	0.0	1.44e-04
2730	224	-12.23	-4.82	-0.61	1.65e-04	0.0	-7.87e-05
2730	233	0.84	19.28	-0.32	-1.16e-03	0.0	3.44e-04
2730	256	-1.15	1.15	-0.56	-1.91e-04	0.0	3.84e-05
2730	264	-1.38	1.04	-0.51	-1.61e-04	0.0	5.26e-05
2730	276	-0.57	1.78	-0.50	-2.20e-04	0.0	9.35e-06
2730	298	-0.55	0.89	-0.46	-1.58e-04	0.0	1.09e-05
2730	305	-0.68	0.85	-0.44	-1.48e-04	0.0	1.84e-05
2730	307	-0.52	1.00	-0.44	-1.59e-04	0.0	9.77e-06
2730	310	-0.52	0.84	-0.44	-1.50e-04	0.0	9.96e-06
2731	44	-0.93	0.30	-0.31	0.0	-2.58e-05	4.49e-04
2731	52	-0.06	0.64	-0.37	0.0	-4.74e-05	2.02e-05
2731	68	-0.04	0.85	-0.34	0.0	-3.73e-05	1.44e-05
2731	123	-5.51	2.10	-0.29	0.0	-1.28e-03	1.40e-04
2731	137	0.51	6.40	-0.48	0.0	3.61e-04	-4.23e-06
2731	155	-6.19	2.36	-0.31	0.0	-1.43e-03	1.56e-04
2731	169	0.58	7.22	-0.51	0.0	4.08e-04	-6.20e-06
2731	187	-6.09	2.43	-0.31	0.0	-1.41e-03	1.55e-04
2731	193	-0.03	7.40	-0.52	0.0	-7.45e-06	2.31e-04
2731	201	0.59	7.42	-0.52	0.0	3.96e-04	-3.18e-06
2731	219	-7.07	2.89	-0.33	0.0	-1.63e-03	1.80e-04
2731	225	-0.04	8.89	-0.59	0.0	-5.28e-06	2.72e-04
2731	264	-0.62	0.20	-0.22	0.0	-1.86e-05	3.00e-04
2731	268	-0.04	0.43	-0.26	0.0	-3.31e-05	1.42e-05
2731	276	-0.03	0.57	-0.24	0.0	-2.63e-05	1.03e-05
2731	298	-0.04	0.15	-0.20	0.0	-2.98e-05	1.35e-05
2731	305	-0.16	0.15	-0.20	0.0	-2.57e-05	7.00e-05
2731	307	-0.04	0.22	-0.20	0.0	-2.73e-05	1.20e-05
2731	310	-0.04	0.14	-0.19	0.0	-2.81e-05	1.28e-05
2732	44	-1.09	0.41	-0.37	0.0	-3.43e-05	3.40e-04

2732	52	-0.09	0.82	-0.46	0.0	-5.21e-05	2.40e-05
2732	68	-0.06	1.03	-0.44	0.0	-4.13e-05	1.71e-05
2732	123	-6.24	2.42	-0.48	0.0	-1.27e-03	1.42e-04
2732	137	1.86	7.31	-1.03	0.0	3.53e-04	1.99e-06
2732	155	-7.01	2.71	-0.51	0.0	-1.42e-03	1.58e-04
2732	169	2.09	8.25	-1.13	0.0	3.99e-04	0.0
2732	187	-6.90	2.79	-0.52	0.0	-1.40e-03	1.57e-04
2732	201	2.03	8.47	-1.16	0.0	3.87e-04	4.31e-06
2732	219	-8.01	3.32	-0.58	0.0	-1.62e-03	1.82e-04
2732	225	-0.11	10.14	-1.34	0.0	-1.43e-05	3.00e-04
2732	264	-0.73	0.29	-0.26	0.0	-2.45e-05	2.27e-04
2732	268	-0.06	0.55	-0.32	0.0	-3.64e-05	1.69e-05
2732	276	-0.05	0.70	-0.31	0.0	-2.92e-05	1.23e-05
2732	298	-0.06	0.22	-0.24	0.0	-3.26e-05	1.62e-05
2732	305	-0.19	0.22	-0.23	0.0	-2.90e-05	5.73e-05
2732	307	-0.05	0.30	-0.24	0.0	-2.99e-05	1.43e-05
2732	310	-0.06	0.21	-0.23	0.0	-3.08e-05	1.54e-05
2733	28	-1.59	1.44	-1.30	-2.85e-04	0.0	4.84e-05
2733	44	-1.93	1.25	-1.16	-2.53e-04	0.0	7.09e-05
2733	68	-0.74	2.43	-1.13	-3.14e-04	0.0	1.48e-05
2733	123	-10.30	3.81	-1.00	-3.31e-04	0.0	7.46e-05
2733	137	0.53	13.59	-0.73	-9.14e-04	0.0	6.50e-06
2733	155	-11.52	4.22	-1.03	-3.55e-04	0.0	8.37e-05
2733	169	0.66	15.28	-0.73	-1.01e-03	0.0	6.55e-06
2733	187	-11.35	4.37	-1.03	-3.64e-04	0.0	8.74e-05
2733	201	0.66	15.68	-0.73	-1.04e-03	0.0	1.01e-05
2733	219	-13.12	5.12	-1.08	-4.08e-04	0.0	1.04e-04
2733	233	0.86	18.52	-0.74	-1.21e-03	0.0	1.15e-05
2733	256	-1.08	1.00	-0.91	-1.98e-04	0.0	3.29e-05
2733	264	-1.31	0.87	-0.81	-1.76e-04	0.0	4.79e-05
2733	276	-0.52	1.66	-0.80	-2.17e-04	0.0	1.05e-05
2733	298	-0.51	0.79	-0.73	-1.55e-04	0.0	7.09e-06
2733	305	-0.63	0.75	-0.70	-1.48e-04	0.0	1.47e-05
2733	307	-0.47	0.91	-0.70	-1.56e-04	0.0	7.18e-06
2733	310	-0.48	0.75	-0.70	-1.47e-04	0.0	6.96e-06
2734	28	-1.69	1.59	-1.31	-2.92e-04	0.0	4.93e-05
2734	44	-2.02	1.38	-1.17	-2.64e-04	0.0	6.75e-05
2734	68	-0.82	2.58	-1.14	-3.11e-04	0.0	1.96e-05
2734	123	-10.56	3.98	-1.00	-3.16e-04	0.0	8.22e-05
2734	137	0.50	14.03	-0.73	-8.55e-04	0.0	2.02e-04
2734	155	-11.81	4.40	-1.03	-3.39e-04	0.0	9.18e-05
2734	169	0.63	15.76	-0.74	-9.48e-04	0.0	2.26e-04
2734	187	-11.63	4.55	-1.03	-3.47e-04	0.0	9.58e-05
2734	201	0.64	16.17	-0.74	-9.69e-04	0.0	2.20e-04
2734	219	-13.44	5.32	-1.08	-3.88e-04	0.0	1.14e-04
2734	233	0.84	19.09	-0.75	-1.13e-03	0.0	2.55e-04
2734	256	-1.15	1.10	-0.91	-2.02e-04	0.0	3.37e-05
2734	264	-1.38	0.96	-0.82	-1.84e-04	0.0	4.58e-05
2734	276	-0.57	1.76	-0.81	-2.15e-04	0.0	1.39e-05
2734	298	-0.55	0.87	-0.74	-1.54e-04	0.0	1.04e-05
2734	305	-0.68	0.83	-0.71	-1.49e-04	0.0	1.67e-05
2734	307	-0.52	0.99	-0.70	-1.55e-04	0.0	1.03e-05
2734	310	-0.52	0.82	-0.70	-1.46e-04	0.0	1.01e-05
2735	28	-1.80	1.77	-0.97	-2.77e-04	-2.09e-04	8.64e-05
2735	44	-2.13	1.57	-0.87	-2.40e-04	-1.98e-04	1.18e-04
2735	68	-0.91	2.75	-0.85	-3.07e-04	-1.79e-04	2.80e-05
2735	123	-10.82	4.19	-0.71	-3.12e-04	-5.06e-04	1.01e-04
2735	137	0.47	14.51	-0.50	-8.44e-04	-8.71e-05	2.49e-04
2735	155	-12.09	4.63	-0.73	-3.34e-04	-5.56e-04	1.13e-04
2735	169	0.60	16.29	-0.50	-9.36e-04	-8.52e-05	2.78e-04
2735	187	-11.91	4.78	-0.73	-3.42e-04	-5.49e-04	1.18e-04
2735	201	0.60	16.72	-0.50	-9.56e-04	-8.67e-05	2.76e-04
2735	219	-13.75	5.59	-0.76	-3.82e-04	-6.22e-04	1.39e-04
2735	233	0.81	19.73	-0.49	-1.11e-03	-8.44e-05	3.21e-04
2735	256	-1.23	1.23	-0.68	-1.92e-04	-1.46e-04	5.86e-05
2735	264	-1.45	1.09	-0.61	-1.67e-04	-1.38e-04	7.98e-05
2735	276	-0.63	1.88	-0.60	-2.12e-04	-1.26e-04	1.97e-05
2735	298	-0.61	0.96	-0.55	-1.54e-04	-1.09e-04	1.77e-05
2735	305	-0.74	0.92	-0.53	-1.45e-04	-1.07e-04	2.88e-05
2735	307	-0.57	1.08	-0.52	-1.54e-04	-1.05e-04	1.68e-05
2735	310	-0.57	0.91	-0.52	-1.45e-04	-1.04e-04	1.67e-05
2736	44	-2.14	1.71	-0.39	-2.08e-04	0.0	8.02e-05
2736	59	-0.97	2.47	-0.50	-2.69e-04	0.0	9.10e-05
2736	68	-0.91	2.86	-0.47	-2.73e-04	0.0	9.16e-05
2736	123	-10.81	4.55	-0.10	-2.60e-04	0.0	1.49e-04

2736	129	-0.51	15.29	-0.61	-7.04e-04	0.0	5.59e-04
2736	141	1.19	14.20	-0.63	-6.90e-04	0.0	2.80e-04
2736	155	-12.08	5.03	-0.08	-2.77e-04	0.0	1.63e-04
2736	161	-0.51	17.20	-0.65	-7.81e-04	0.0	6.25e-04
2736	173	1.41	15.94	-0.68	-7.64e-04	0.0	3.10e-04
2736	187	-11.90	5.20	-0.09	-2.84e-04	0.0	1.69e-04
2736	193	-0.53	17.83	-0.66	-8.04e-04	0.0	6.39e-04
2736	205	1.41	16.35	-0.69	-7.80e-04	0.0	3.15e-04
2736	219	-13.75	6.09	-0.06	-3.17e-04	0.0	1.95e-04
2736	225	-0.54	21.28	-0.74	-9.43e-04	0.0	7.56e-04
2736	237	1.75	19.28	-0.77	-9.04e-04	0.0	3.64e-04
2736	264	-1.45	1.19	-0.28	-1.46e-04	0.0	5.60e-05
2736	271	-0.68	1.70	-0.35	-1.86e-04	0.0	6.32e-05
2736	276	-0.64	1.96	-0.33	-1.89e-04	0.0	6.36e-05
2736	301	-0.59	1.00	-0.28	-1.33e-04	0.0	4.83e-05
2736	305	-0.74	0.99	-0.26	-1.27e-04	0.0	4.74e-05
2736	307	-0.57	1.14	-0.27	-1.36e-04	0.0	4.89e-05
2736	310	-0.58	0.97	-0.27	-1.28e-04	0.0	4.68e-05
2737	28	-1.91	1.91	-1.00	-3.07e-04	-4.94e-04	3.54e-05
2737	44	-2.24	1.68	-0.90	-2.81e-04	-4.41e-04	3.64e-05
2737	68	-1.00	2.90	-0.88	-3.25e-04	-4.45e-04	2.40e-05
2737	123	-11.06	4.34	-0.73	-2.86e-04	-4.14e-04	9.96e-05
2737	137	0.43	14.91	-0.52	-7.18e-04	-4.10e-04	2.56e-04
2737	155	-12.36	4.79	-0.75	-3.03e-04	-4.33e-04	1.11e-04
2737	169	0.56	16.74	-0.51	-7.92e-04	-4.29e-04	2.86e-04
2737	187	-12.17	4.95	-0.75	-3.09e-04	-4.34e-04	1.16e-04
2737	201	0.56	17.17	-0.51	-8.08e-04	-4.35e-04	2.85e-04
2737	219	-14.06	5.78	-0.78	-3.41e-04	-4.64e-04	1.38e-04
2737	233	0.77	20.26	-0.51	-9.32e-04	-4.69e-04	3.33e-04
2737	256	-1.31	1.32	-0.70	-2.14e-04	-3.45e-04	2.44e-05
2737	264	-1.53	1.17	-0.63	-1.97e-04	-3.10e-04	2.50e-05
2737	276	-0.70	1.98	-0.62	-2.26e-04	-3.12e-04	1.68e-05
2737	298	-0.66	1.03	-0.56	-1.63e-04	-2.74e-04	1.53e-05
2737	305	-0.79	0.99	-0.54	-1.58e-04	-2.63e-04	1.61e-05
2737	307	-0.63	1.15	-0.54	-1.64e-04	-2.63e-04	1.45e-05
2737	310	-0.63	0.98	-0.54	-1.56e-04	-2.61e-04	1.43e-05
2738	44	-2.24	1.80	-0.41	-1.97e-04	0.0	5.49e-05
2738	59	-1.07	2.59	-0.52	-2.56e-04	0.0	5.08e-05
2738	68	-1.00	2.98	-0.48	-2.60e-04	0.0	4.92e-05
2738	123	-11.06	4.67	-0.11	-2.42e-04	0.0	1.07e-04
2738	129	-0.57	15.58	-0.62	-6.55e-04	0.0	4.84e-04
2738	141	1.16	14.48	-0.64	-6.47e-04	0.0	1.93e-04
2738	155	-12.36	5.16	-0.09	-2.58e-04	0.0	1.17e-04
2738	161	-0.57	17.51	-0.66	-7.26e-04	0.0	5.43e-04
2738	173	1.39	16.25	-0.69	-7.16e-04	0.0	2.14e-04
2738	187	-12.17	5.33	-0.10	-2.64e-04	0.0	1.22e-04
2738	193	-0.59	18.15	-0.67	-7.48e-04	0.0	5.52e-04
2738	205	1.39	16.67	-0.70	-7.30e-04	0.0	2.15e-04
2738	219	-14.05	6.23	-0.07	-2.94e-04	0.0	1.43e-04
2738	225	-0.60	21.66	-0.75	-8.76e-04	0.0	6.54e-04
2738	237	1.73	19.64	-0.78	-8.46e-04	0.0	2.49e-04
2738	264	-1.52	1.25	-0.30	-1.38e-04	0.0	3.81e-05
2738	271	-0.75	1.78	-0.37	-1.77e-04	0.0	3.54e-05
2738	276	-0.70	2.04	-0.34	-1.80e-04	0.0	3.43e-05
2738	301	-0.64	1.06	-0.29	-1.27e-04	0.0	2.85e-05
2738	305	-0.79	1.04	-0.27	-1.21e-04	0.0	2.90e-05
2738	307	-0.62	1.20	-0.28	-1.29e-04	0.0	2.82e-05
2738	310	-0.63	1.03	-0.28	-1.22e-04	0.0	2.77e-05
2739	44	-2.13	1.67	-0.47	-2.19e-04	0.0	5.62e-05
2739	52	-1.06	2.57	-0.56	-3.07e-04	0.0	6.81e-05
2739	68	-0.91	2.82	-0.52	-2.99e-04	0.0	6.22e-05
2739	123	-10.81	4.47	-0.20	-2.78e-04	0.0	1.22e-04
2739	129	-0.51	15.05	-0.49	-7.37e-04	0.0	5.01e-04
2739	141	1.19	14.08	-0.51	-7.33e-04	0.0	2.18e-04
2739	155	-12.08	4.95	-0.19	-2.96e-04	0.0	1.34e-04
2739	161	-0.51	16.92	-0.52	-8.17e-04	0.0	5.62e-04
2739	173	1.41	15.81	-0.53	-8.11e-04	0.0	2.42e-04
2739	187	-11.90	5.12	-0.19	-3.03e-04	0.0	1.40e-04
2739	193	-0.53	17.54	-0.52	-8.41e-04	0.0	5.73e-04
2739	205	1.41	16.21	-0.54	-8.28e-04	0.0	2.44e-04
2739	219	-13.75	5.98	-0.18	-3.38e-04	0.0	1.62e-04
2739	225	-0.54	20.94	-0.57	-9.85e-04	0.0	6.79e-04
2739	237	1.75	19.11	-0.58	-9.59e-04	0.0	2.83e-04
2739	264	-1.45	1.16	-0.33	-1.54e-04	0.0	3.93e-05
2739	268	-0.74	1.76	-0.40	-2.12e-04	0.0	4.72e-05

2739	276	-0.64	1.93	-0.36	-2.07e-04	0.0	4.33e-05
2739	301	-0.59	0.98	-0.32	-1.45e-04	0.0	3.41e-05
2739	305	-0.74	0.96	-0.30	-1.38e-04	0.0	3.35e-05
2739	307	-0.57	1.12	-0.31	-1.49e-04	0.0	3.43e-05
2739	310	-0.58	0.95	-0.30	-1.40e-04	0.0	3.32e-05
2740	44	-2.24	1.78	-0.49	-2.14e-04	0.0	4.70e-05
2740	59	-1.07	2.58	-0.59	-2.89e-04	0.0	4.14e-05
2740	68	-1.00	2.97	-0.54	-2.94e-04	0.0	4.01e-05
2740	123	-11.06	4.61	-0.21	-2.67e-04	0.0	1.02e-04
2740	129	-0.57	15.38	-0.50	-7.03e-04	0.0	4.59e-04
2740	141	1.16	14.41	-0.52	-7.05e-04	0.0	1.71e-04
2740	155	-12.36	5.09	-0.20	-2.85e-04	0.0	1.13e-04
2740	161	-0.57	17.29	-0.53	-7.78e-04	0.0	5.15e-04
2740	173	1.39	16.17	-0.54	-7.79e-04	0.0	1.90e-04
2740	187	-12.17	5.26	-0.20	-2.91e-04	0.0	1.17e-04
2740	193	-0.59	17.91	-0.53	-8.01e-04	0.0	5.24e-04
2740	205	1.39	16.59	-0.55	-7.95e-04	0.0	1.89e-04
2740	219	-14.05	6.15	-0.19	-3.24e-04	0.0	1.38e-04
2740	225	-0.61	21.38	-0.58	-9.37e-04	0.0	6.21e-04
2740	237	1.73	19.54	-0.59	-9.20e-04	0.0	2.19e-04
2740	264	-1.52	1.24	-0.35	-1.50e-04	0.0	3.26e-05
2740	271	-0.75	1.77	-0.41	-2.00e-04	0.0	2.88e-05
2740	276	-0.70	2.03	-0.38	-2.04e-04	0.0	2.80e-05
2740	301	-0.64	1.05	-0.33	-1.43e-04	0.0	2.36e-05
2740	305	-0.79	1.03	-0.31	-1.36e-04	0.0	2.43e-05
2740	307	-0.62	1.19	-0.32	-1.46e-04	0.0	2.34e-05
2740	310	-0.63	1.02	-0.32	-1.38e-04	0.0	2.30e-05
2741	44	-2.13	1.65	-0.53	-2.21e-04	0.0	3.84e-05
2741	52	-1.06	2.54	-0.61	-3.21e-04	0.0	4.53e-05
2741	68	-0.91	2.80	-0.55	-3.13e-04	0.0	3.99e-05
2741	123	-10.81	4.41	-0.28	-2.89e-04	0.0	1.07e-04
2741	125	8.70	5.21	-0.42	-3.55e-04	0.0	8.83e-05
2741	137	0.47	14.86	-0.41	-7.97e-04	0.0	2.68e-04
2741	155	-12.08	4.87	-0.27	-3.08e-04	0.0	1.18e-04
2741	157	9.85	5.77	-0.43	-3.83e-04	0.0	9.65e-05
2741	169	0.60	16.69	-0.42	-8.82e-04	0.0	3.00e-04
2741	187	-11.90	5.04	-0.27	-3.15e-04	0.0	1.23e-04
2741	189	9.69	5.90	-0.43	-3.87e-04	0.0	9.48e-05
2741	193	-0.53	17.29	-0.42	-8.65e-04	0.0	5.33e-04
2741	219	-13.75	5.90	-0.27	-3.51e-04	0.0	1.45e-04
2741	221	11.36	6.84	-0.45	-4.33e-04	0.0	1.07e-04
2741	225	-0.54	20.65	-0.43	-1.01e-03	0.0	6.33e-04
2741	264	-1.45	1.15	-0.38	-1.55e-04	0.0	2.68e-05
2741	268	-0.74	1.74	-0.43	-2.22e-04	0.0	3.14e-05
2741	276	-0.64	1.91	-0.39	-2.17e-04	0.0	2.78e-05
2741	301	-0.59	0.96	-0.35	-1.52e-04	0.0	2.32e-05
2741	305	-0.74	0.95	-0.33	-1.44e-04	0.0	2.30e-05
2741	307	-0.57	1.10	-0.34	-1.56e-04	0.0	2.32e-05
2741	310	-0.58	0.93	-0.33	-1.46e-04	0.0	2.27e-05
2742	44	-2.24	1.76	-0.55	-2.17e-04	0.0	3.84e-05
2742	52	-1.16	2.70	-0.64	-3.21e-04	0.0	3.46e-05
2742	68	-1.00	2.95	-0.58	-3.12e-04	0.0	2.98e-05
2742	123	-11.06	4.56	-0.29	-2.82e-04	0.0	9.82e-05
2742	125	8.82	5.37	-0.43	-3.49e-04	0.0	7.88e-05
2742	137	0.43	15.23	-0.42	-7.75e-04	0.0	2.50e-04
2742	155	-12.36	5.03	-0.28	-3.00e-04	0.0	1.09e-04
2742	157	9.99	5.94	-0.45	-3.76e-04	0.0	8.64e-05
2742	169	0.56	17.10	-0.43	-8.58e-04	0.0	2.79e-04
2742	187	-12.17	5.20	-0.29	-3.07e-04	0.0	1.14e-04
2742	189	9.83	6.07	-0.44	-3.80e-04	0.0	8.44e-05
2742	193	-0.59	17.69	-0.43	-8.35e-04	0.0	5.12e-04
2742	219	-14.05	6.07	-0.28	-3.41e-04	0.0	1.34e-04
2742	221	11.53	7.03	-0.46	-4.25e-04	0.0	9.56e-05
2742	225	-0.61	21.11	-0.45	-9.76e-04	0.0	6.09e-04
2742	264	-1.53	1.22	-0.39	-1.53e-04	0.0	2.66e-05
2742	268	-0.81	1.85	-0.45	-2.22e-04	0.0	2.40e-05
2742	276	-0.70	2.02	-0.41	-2.16e-04	0.0	2.08e-05
2742	301	-0.65	1.04	-0.36	-1.52e-04	0.0	1.82e-05
2742	305	-0.79	1.02	-0.34	-1.43e-04	0.0	1.91e-05
2742	307	-0.62	1.18	-0.35	-1.56e-04	0.0	1.80e-05
2742	310	-0.63	1.01	-0.35	-1.46e-04	0.0	1.78e-05
2743	44	-2.13	1.63	-0.58	-2.17e-04	0.0	3.05e-05
2743	52	-1.06	2.52	-0.65	-3.28e-04	0.0	3.10e-05
2743	68	-0.91	2.78	-0.58	-3.19e-04	0.0	2.59e-05
2743	123	-10.81	4.35	-0.34	-2.96e-04	0.0	1.03e-04

2743	137	0.47	14.77	-0.35	-8.13e-04	0.0	2.58e-04
2743	138	2.70	-10.97	-0.38	4.23e-04	0.0	-3.81e-05
2743	155	-12.08	4.81	-0.34	-3.16e-04	0.0	1.14e-04
2743	169	0.60	16.59	-0.34	-9.00e-04	0.0	2.89e-04
2743	170	3.10	-12.54	-0.38	4.98e-04	0.0	-4.56e-05
2743	187	-11.90	4.97	-0.34	-3.23e-04	0.0	1.19e-04
2743	193	-0.53	17.06	-0.34	-8.83e-04	0.0	5.28e-04
2743	202	3.00	-12.90	-0.38	5.13e-04	0.0	-4.71e-05
2743	219	-13.75	5.82	-0.34	-3.59e-04	0.0	1.41e-04
2743	225	-0.54	20.36	-0.34	-1.03e-03	0.0	6.28e-04
2743	234	3.58	-15.52	-0.39	6.39e-04	0.0	-5.97e-05
2743	264	-1.45	1.14	-0.41	-1.53e-04	0.0	2.11e-05
2743	268	-0.74	1.73	-0.46	-2.27e-04	0.0	2.15e-05
2743	276	-0.64	1.90	-0.41	-2.21e-04	0.0	1.81e-05
2743	298	-0.61	0.98	-0.37	-1.58e-04	0.0	1.73e-05
2743	305	-0.74	0.94	-0.36	-1.46e-04	0.0	1.69e-05
2743	307	-0.57	1.09	-0.36	-1.59e-04	0.0	1.62e-05
2743	310	-0.58	0.92	-0.36	-1.49e-04	0.0	1.61e-05
2744	44	-2.24	1.74	-0.60	-2.13e-04	0.0	3.41e-05
2744	52	-1.16	2.68	-0.68	-3.29e-04	0.0	2.77e-05
2744	68	-1.00	2.94	-0.61	-3.19e-04	0.0	2.33e-05
2744	123	-11.06	4.50	-0.35	-2.90e-04	0.0	9.67e-05
2744	137	0.43	15.15	-0.36	-7.93e-04	0.0	2.46e-04
2744	138	2.72	-11.16	-0.39	4.05e-04	0.0	-2.76e-05
2744	155	-12.36	4.97	-0.35	-3.08e-04	0.0	1.08e-04
2744	169	0.56	17.01	-0.36	-8.78e-04	0.0	2.75e-04
2744	170	3.13	-12.76	-0.39	4.78e-04	0.0	-3.33e-05
2744	187	-12.17	5.14	-0.35	-3.15e-04	0.0	1.12e-04
2744	193	-0.59	17.46	-0.36	-8.56e-04	0.0	5.10e-04
2744	202	3.03	-13.13	-0.39	4.93e-04	0.0	-3.41e-05
2744	219	-14.05	6.00	-0.35	-3.50e-04	0.0	1.33e-04
2744	225	-0.61	20.84	-0.35	-1.00e-03	0.0	6.06e-04
2744	234	3.62	-15.81	-0.40	6.15e-04	0.0	-4.37e-05
2744	264	-1.53	1.21	-0.43	-1.50e-04	0.0	2.35e-05
2744	268	-0.81	1.84	-0.48	-2.27e-04	0.0	1.93e-05
2744	276	-0.70	2.01	-0.43	-2.21e-04	0.0	1.63e-05
2744	301	-0.65	1.03	-0.39	-1.55e-04	0.0	1.47e-05
2744	305	-0.79	1.01	-0.37	-1.45e-04	0.0	1.60e-05
2744	307	-0.63	1.17	-0.37	-1.59e-04	0.0	1.45e-05
2744	310	-0.63	1.00	-0.37	-1.50e-04	0.0	1.45e-05
2745	28	-1.80	1.82	-0.71	-2.66e-04	0.0	3.31e-05
2745	44	-2.13	1.62	-0.63	-2.14e-04	0.0	3.46e-05
2745	68	-0.91	2.77	-0.63	-3.19e-04	0.0	1.88e-05
2745	123	-10.81	4.30	-0.41	-3.02e-04	0.0	1.03e-04
2745	137	0.47	14.68	-0.32	-8.28e-04	0.0	2.59e-04
2745	144	-2.34	-12.01	-0.46	4.89e-04	0.0	-1.46e-04
2745	155	-12.08	4.75	-0.41	-3.22e-04	0.0	1.15e-04
2745	169	0.60	16.49	-0.31	-9.17e-04	0.0	2.90e-04
2745	176	-2.56	-13.71	-0.47	5.72e-04	0.0	-1.67e-04
2745	187	-11.90	4.91	-0.41	-3.30e-04	0.0	1.20e-04
2745	201	0.60	16.92	-0.31	-9.36e-04	0.0	2.89e-04
2745	208	-2.56	-14.10	-0.47	5.90e-04	0.0	-1.66e-04
2745	219	-13.75	5.74	-0.42	-3.67e-04	0.0	1.43e-04
2745	225	-0.54	20.10	-0.30	-1.06e-03	0.0	6.37e-04
2745	240	-2.90	-16.96	-0.48	7.31e-04	0.0	-1.99e-04
2745	256	-1.23	1.26	-0.50	-1.85e-04	0.0	2.26e-05
2745	264	-1.45	1.13	-0.45	-1.50e-04	0.0	2.36e-05
2745	276	-0.64	1.89	-0.44	-2.21e-04	0.0	1.31e-05
2745	298	-0.61	0.97	-0.40	-1.59e-04	0.0	1.36e-05
2745	305	-0.74	0.93	-0.39	-1.46e-04	0.0	1.47e-05
2745	307	-0.57	1.09	-0.39	-1.60e-04	0.0	1.26e-05
2745	310	-0.58	0.92	-0.39	-1.50e-04	0.0	1.26e-05
2746	28	-1.91	1.95	-0.73	-2.63e-04	0.0	3.37e-05
2746	44	-2.24	1.72	-0.65	-2.08e-04	0.0	3.47e-05
2746	68	-1.00	2.93	-0.65	-3.19e-04	0.0	2.14e-05
2746	123	-11.06	4.45	-0.42	-2.96e-04	0.0	9.74e-05
2746	137	0.43	15.07	-0.33	-8.10e-04	0.0	2.48e-04
2746	144	-2.42	-12.22	-0.47	4.72e-04	0.0	-1.32e-04
2746	155	-12.36	4.91	-0.43	-3.16e-04	0.0	1.09e-04
2746	169	0.56	16.93	-0.32	-8.96e-04	0.0	2.78e-04
2746	176	-2.64	-13.96	-0.48	5.53e-04	0.0	-1.51e-04
2746	187	-12.17	5.08	-0.42	-3.23e-04	0.0	1.14e-04
2746	201	0.57	17.37	-0.32	-9.16e-04	0.0	2.76e-04
2746	208	-2.65	-14.37	-0.48	5.71e-04	0.0	-1.50e-04
2746	219	-14.05	5.93	-0.43	-3.59e-04	0.0	1.35e-04

2746	225	-0.61	20.59	-0.31	-1.03e-03	0.0	6.12e-04
2746	240	-2.98	-17.29	-0.49	7.08e-04	0.0	-1.79e-04
2746	256	-1.30	1.35	-0.51	-1.83e-04	0.0	2.32e-05
2746	264	-1.53	1.20	-0.46	-1.46e-04	0.0	2.38e-05
2746	276	-0.70	2.00	-0.46	-2.21e-04	0.0	1.50e-05
2746	298	-0.66	1.05	-0.42	-1.59e-04	0.0	1.45e-05
2746	305	-0.79	1.00	-0.40	-1.45e-04	0.0	1.53e-05
2746	307	-0.63	1.17	-0.40	-1.60e-04	0.0	1.35e-05
2746	310	-0.63	0.99	-0.40	-1.50e-04	0.0	1.35e-05
2747	28	-1.80	1.80	-0.81	-2.66e-04	0.0	4.75e-05
2747	44	-2.13	1.60	-0.73	-2.17e-04	0.0	6.06e-05
2747	68	-0.91	2.76	-0.71	-3.13e-04	0.0	1.68e-05
2747	123	-10.81	4.24	-0.54	-3.09e-04	0.0	1.02e-04
2747	128	-9.85	-3.29	-0.57	6.96e-05	0.0	-5.32e-05
2747	137	0.47	14.58	-0.35	-8.41e-04	0.0	2.59e-04
2747	155	-12.09	4.68	-0.55	-3.30e-04	0.0	1.14e-04
2747	160	-11.00	-3.84	-0.59	9.80e-05	0.0	-6.13e-05
2747	169	0.60	16.38	-0.34	-9.32e-04	0.0	2.90e-04
2747	187	-11.90	4.84	-0.55	-3.38e-04	0.0	1.19e-04
2747	192	-10.85	-3.97	-0.59	1.03e-04	0.0	-5.94e-05
2747	201	0.60	16.81	-0.34	-9.52e-04	0.0	2.89e-04
2747	219	-13.75	5.66	-0.57	-3.77e-04	0.0	1.42e-04
2747	224	-12.52	-4.89	-0.61	1.51e-04	0.0	-7.15e-05
2747	233	0.81	19.83	-0.32	-1.11e-03	0.0	3.38e-04
2747	256	-1.23	1.25	-0.57	-1.85e-04	0.0	3.22e-05
2747	264	-1.45	1.11	-0.51	-1.52e-04	0.0	4.09e-05
2747	276	-0.64	1.89	-0.50	-2.17e-04	0.0	1.18e-05
2747	298	-0.61	0.96	-0.46	-1.57e-04	0.0	1.23e-05
2747	305	-0.74	0.92	-0.44	-1.45e-04	0.0	1.71e-05
2747	307	-0.57	1.08	-0.44	-1.57e-04	0.0	1.13e-05
2747	310	-0.57	0.91	-0.44	-1.48e-04	0.0	1.13e-05
2748	28	-1.91	1.92	-0.83	-3.07e-04	-4.81e-04	3.81e-05
2748	44	-2.24	1.70	-0.74	-2.81e-04	-4.29e-04	3.88e-05
2748	68	-1.00	2.91	-0.72	-3.25e-04	-4.32e-04	2.63e-05
2748	123	-11.06	4.39	-0.55	-2.86e-04	-4.09e-04	1.00e-04
2748	128	-10.07	-3.31	-0.58	2.13e-05	-3.07e-04	-4.64e-05
2748	137	0.43	14.98	-0.36	-7.18e-04	-3.95e-04	2.54e-04
2748	155	-12.36	4.85	-0.56	-3.03e-04	-4.29e-04	1.12e-04
2748	160	-11.25	-3.88	-0.60	4.43e-05	-3.13e-04	-5.41e-05
2748	169	0.56	16.82	-0.34	-7.92e-04	-4.14e-04	2.84e-04
2748	187	-12.17	5.01	-0.56	-3.09e-04	-4.29e-04	1.17e-04
2748	192	-11.09	-4.01	-0.60	4.85e-05	-3.10e-04	-5.21e-05
2748	201	0.56	17.26	-0.34	-8.08e-04	-4.20e-04	2.83e-04
2748	219	-14.06	5.85	-0.57	-3.41e-04	-4.60e-04	1.38e-04
2748	224	-12.79	-4.95	-0.62	8.68e-05	-3.17e-04	-6.37e-05
2748	233	0.77	20.36	-0.32	-9.32e-04	-4.52e-04	3.30e-04
2748	256	-1.30	1.33	-0.58	-2.14e-04	-3.36e-04	2.63e-05
2748	264	-1.53	1.18	-0.52	-1.97e-04	-3.01e-04	2.67e-05
2748	276	-0.70	1.99	-0.51	-2.26e-04	-3.03e-04	1.84e-05
2748	298	-0.66	1.04	-0.47	-1.63e-04	-2.66e-04	1.68e-05
2748	305	-0.79	0.99	-0.45	-1.58e-04	-2.55e-04	1.76e-05
2748	307	-0.63	1.16	-0.45	-1.64e-04	-2.56e-04	1.59e-05
2748	310	-0.63	0.98	-0.45	-1.56e-04	-2.54e-04	1.58e-05
2749	44	-0.97	0.41	-0.34	0.0	-9.69e-05	3.07e-04
2749	52	-0.08	0.81	-0.40	0.0	-5.01e-05	2.48e-05
2749	68	-0.06	1.03	-0.37	0.0	-3.98e-05	1.78e-05
2749	123	-6.19	2.42	-0.32	0.0	-1.28e-03	1.37e-04
2749	137	0.57	7.31	-0.51	0.0	3.58e-04	2.81e-06
2749	155	-6.96	2.71	-0.33	0.0	-1.43e-03	1.52e-04
2749	169	0.65	8.25	-0.55	0.0	4.06e-04	1.39e-06
2749	187	-6.85	2.79	-0.33	0.0	-1.41e-03	1.52e-04
2749	193	-0.03	8.45	-0.56	0.0	-5.94e-06	2.56e-04
2749	201	0.65	8.47	-0.56	0.0	3.93e-04	5.02e-06
2749	219	-7.95	3.32	-0.36	0.0	-1.63e-03	1.76e-04
2749	225	-0.03	10.14	-0.64	0.0	-3.04e-06	3.02e-04
2749	264	-0.65	0.29	-0.24	0.0	-6.62e-05	2.06e-04
2749	268	-0.06	0.55	-0.28	0.0	-3.50e-05	1.75e-05
2749	276	-0.04	0.70	-0.26	0.0	-2.81e-05	1.28e-05
2749	298	-0.06	0.22	-0.22	0.0	-3.14e-05	1.67e-05
2749	305	-0.17	0.22	-0.21	0.0	-3.64e-05	5.33e-05
2749	307	-0.05	0.30	-0.22	0.0	-2.88e-05	1.48e-05
2749	310	-0.05	0.21	-0.21	0.0	-2.96e-05	1.58e-05
2750	44	-1.15	0.53	-0.39	0.0	-1.12e-04	2.85e-04
2750	52	-0.12	0.99	-0.48	0.0	-6.67e-05	2.90e-05
2750	68	-0.08	1.22	-0.46	0.0	-5.48e-05	2.11e-05

2750	123	-6.92	2.74	-0.50	0.0	-1.24e-03	1.29e-04
2750	137	2.05	8.23	-1.05	0.0	8.31e-05	9.87e-06
2750	155	-7.77	3.06	-0.53	0.0	-1.39e-03	1.42e-04
2750	169	2.31	9.28	-1.16	0.0	9.82e-05	9.05e-06
2750	187	-7.65	3.16	-0.54	0.0	-1.37e-03	1.42e-04
2750	201	2.23	9.53	-1.19	0.0	9.96e-05	1.30e-05
2750	219	-8.89	3.74	-0.60	0.0	-1.59e-03	1.64e-04
2750	225	-0.12	11.39	-1.37	0.0	-2.89e-05	3.33e-04
2750	264	-0.77	0.37	-0.27	0.0	-7.68e-05	1.91e-04
2750	268	-0.08	0.67	-0.34	0.0	-4.65e-05	2.04e-05
2750	276	-0.06	0.83	-0.32	0.0	-3.86e-05	1.51e-05
2750	298	-0.08	0.30	-0.25	0.0	-4.03e-05	1.92e-05
2750	305	-0.21	0.29	-0.24	0.0	-4.50e-05	5.23e-05
2750	307	-0.07	0.38	-0.25	0.0	-3.74e-05	1.71e-05
2750	310	-0.07	0.28	-0.24	0.0	-3.81e-05	1.82e-05
2751	28	-1.79	1.74	-1.32	-2.96e-04	0.0	4.49e-05
2751	44	-2.13	1.52	-1.18	-2.72e-04	0.0	5.60e-05
2751	68	-0.90	2.74	-1.15	-3.08e-04	0.0	2.27e-05
2751	123	-10.82	4.13	-1.00	-3.05e-04	0.0	9.18e-05
2751	137	0.47	14.43	-0.74	-8.12e-04	0.0	2.28e-04
2751	155	-12.09	4.56	-1.04	-3.26e-04	0.0	1.02e-04
2751	169	0.60	16.21	-0.75	-8.99e-04	0.0	2.55e-04
2751	187	-11.91	4.72	-1.03	-3.33e-04	0.0	1.07e-04
2751	201	0.60	16.63	-0.75	-9.18e-04	0.0	2.52e-04
2751	219	-13.75	5.51	-1.09	-3.72e-04	0.0	1.27e-04
2751	233	0.81	19.62	-0.76	-1.07e-03	0.0	2.93e-04
2751	256	-1.23	1.20	-0.92	-2.05e-04	0.0	3.08e-05
2751	264	-1.45	1.06	-0.83	-1.89e-04	0.0	3.82e-05
2751	276	-0.63	1.87	-0.81	-2.13e-04	0.0	1.60e-05
2751	298	-0.61	0.95	-0.74	-1.53e-04	0.0	1.30e-05
2751	305	-0.73	0.90	-0.71	-1.49e-04	0.0	1.71e-05
2751	307	-0.57	1.07	-0.71	-1.54e-04	0.0	1.26e-05
2751	310	-0.57	0.90	-0.71	-1.45e-04	0.0	1.24e-05
2752	28	-1.91	1.89	-1.34	-3.07e-04	-5.16e-04	3.32e-05
2752	44	-2.24	1.66	-1.20	-2.81e-04	-4.60e-04	3.45e-05
2752	68	-1.00	2.89	-1.18	-3.25e-04	-4.69e-04	2.24e-05
2752	123	-11.06	4.28	-1.01	-2.86e-04	-4.11e-04	1.01e-04
2752	137	0.43	14.81	-0.76	-7.18e-04	-4.48e-04	2.61e-04
2752	155	-12.36	4.72	-1.04	-3.03e-04	-4.28e-04	1.13e-04
2752	169	0.56	16.64	-0.76	-7.92e-04	-4.71e-04	2.93e-04
2752	187	-12.17	4.88	-1.04	-3.09e-04	-4.29e-04	1.18e-04
2752	201	0.56	17.06	-0.77	-8.08e-04	-4.78e-04	2.92e-04
2752	219	-14.06	5.69	-1.09	-3.41e-04	-4.57e-04	1.40e-04
2752	233	0.77	20.12	-0.78	-9.32e-04	-5.17e-04	3.41e-04
2752	256	-1.31	1.31	-0.94	-2.14e-04	-3.60e-04	2.29e-05
2752	264	-1.53	1.16	-0.84	-1.97e-04	-3.23e-04	2.37e-05
2752	276	-0.70	1.98	-0.83	-2.26e-04	-3.29e-04	1.57e-05
2752	298	-0.66	1.03	-0.75	-1.63e-04	-2.86e-04	1.41e-05
2752	305	-0.79	0.98	-0.72	-1.58e-04	-2.74e-04	1.49e-05
2752	307	-0.63	1.14	-0.72	-1.64e-04	-2.75e-04	1.33e-05
2752	310	-0.63	0.97	-0.72	-1.56e-04	-2.72e-04	1.31e-05
2753	1	0.0	0.0	0.0	-8.12e-05	0.0	3.06e-06
2753	113	0.0	0.0	0.0	-1.03e-03	0.0	1.14e-05
2753	145	0.0	0.0	0.0	-1.17e-03	0.0	1.29e-05
2753	177	0.0	0.0	0.0	-1.19e-03	0.0	1.28e-05
2753	209	0.0	0.0	0.0	-1.43e-03	0.0	1.51e-05
2753	241	0.0	0.0	0.0	-5.25e-05	0.0	2.02e-06
2753	297	0.0	0.0	0.0	1.15e-05	0.0	0.0
2753	309	0.0	0.0	0.0	1.15e-05	0.0	0.0
2754	44	-1.85	1.17	-2.21	-3.44e-04	0.0	-4.64e-04
2754	52	-0.93	1.98	-2.54	-4.49e-04	0.0	-5.39e-04
2754	68	-0.77	2.22	-2.25	-4.21e-04	0.0	-4.56e-04
2754	123	-9.56	3.88	-1.93	-4.75e-04	0.0	-2.65e-04
2754	137	0.42	11.88	-2.09	-1.11e-03	0.0	-4.92e-06
2754	139	-3.39	10.27	-2.32	-9.84e-04	0.0	-1.96e-04
2754	155	-10.69	4.30	-2.00	-5.10e-04	0.0	-2.62e-04
2754	169	0.53	13.35	-2.18	-1.23e-03	0.0	3.11e-05
2754	171	-3.74	11.53	-2.45	-1.09e-03	0.0	-1.84e-04
2754	187	-10.53	4.42	-2.01	-5.19e-04	0.0	-2.56e-04
2754	201	0.54	13.68	-2.21	-1.25e-03	0.0	3.35e-05
2754	203	-3.65	11.84	-2.47	-1.11e-03	0.0	-1.79e-04
2754	219	-12.16	5.17	-2.13	-5.81e-04	0.0	-2.46e-04
2754	233	0.72	16.13	-2.38	-1.45e-03	0.0	9.17e-05
2754	235	-4.15	13.96	-2.69	-1.28e-03	0.0	-1.58e-04
2754	264	-1.26	0.81	-1.55	-2.40e-04	0.0	-3.23e-04

2754	268	-0.64	1.36	-1.77	-3.10e-04	0.0	-3.73e-04
2754	276	-0.54	1.51	-1.57	-2.91e-04	0.0	-3.18e-04
2754	298	-0.54	0.75	-1.41	-2.26e-04	0.0	-3.05e-04
2754	305	-0.64	0.71	-1.34	-2.13e-04	0.0	-2.87e-04
2754	307	-0.50	0.85	-1.35	-2.23e-04	0.0	-2.86e-04
2754	310	-0.50	0.70	-1.33	-2.13e-04	0.0	-2.86e-04
2755	42	-0.15	-0.35	0.03	3.41e-04	0.0	-1.14e-04
2755	45	-0.16	-0.34	0.04	3.35e-04	0.0	-1.14e-04
2755	47	-0.14	-0.33	0.04	3.29e-04	0.0	-1.12e-04
2755	122	1.30	-0.52	-0.34	5.04e-04	0.0	-8.47e-05
2755	132	0.21	-2.03	-0.06	1.97e-03	0.0	-3.69e-04
2755	154	1.45	-0.58	-0.38	5.69e-04	0.0	-9.58e-05
2755	164	0.24	-2.30	-0.07	2.23e-03	0.0	-4.16e-04
2755	186	1.43	-0.60	-0.38	5.90e-04	0.0	-9.83e-05
2755	196	0.24	-2.37	-0.07	2.30e-03	0.0	-4.19e-04
2755	218	1.66	-0.73	-0.44	7.08e-04	0.0	-1.17e-04
2755	228	0.29	-2.84	-0.08	2.76e-03	0.0	-4.98e-04
2755	249	0.08	0.10	-0.02	-9.26e-05	0.0	3.56e-05
2755	261	-0.10	-0.23	0.02	2.27e-04	0.0	-7.63e-05
2755	262	-0.10	-0.23	0.02	2.29e-04	0.0	-7.63e-05
2755	302	0.03	0.01	-0.01	-8.32e-06	0.0	5.86e-06
2755	303	0.04	0.01	-9.84e-03	-1.17e-05	0.0	7.05e-06
2755	304	-3.40e-03	-0.06	-1.53e-03	5.60e-05	0.0	-1.65e-05
2755	309	0.02	-0.01	-7.50e-03	1.31e-05	0.0	-1.60e-06
2755	310	0.03	-7.20e-03	-6.85e-03	9.74e-06	0.0	0.0
2756	44	-1.77	1.13	-2.16	-1.75e-04	0.0	-1.06e-04
2756	52	-0.78	1.97	-2.47	-2.53e-04	0.0	-1.25e-04
2756	68	-0.65	2.22	-2.20	-2.54e-04	0.0	-1.04e-04
2756	123	-9.78	3.96	-1.90	-3.08e-04	0.0	2.93e-05
2756	137	0.54	12.34	-2.04	-9.89e-04	0.0	2.34e-04
2756	139	-3.40	10.66	-2.27	-8.70e-04	0.0	6.63e-05
2756	155	-10.94	4.40	-1.97	-3.35e-04	0.0	4.20e-05
2756	169	0.66	13.87	-2.13	-1.10e-03	0.0	2.72e-04
2756	171	-3.76	11.98	-2.40	-9.70e-04	0.0	8.39e-05
2756	187	-10.78	4.53	-1.98	-3.44e-04	0.0	4.75e-05
2756	201	0.67	14.21	-2.16	-1.13e-03	0.0	2.76e-04
2756	203	-3.66	12.30	-2.42	-9.92e-04	0.0	8.94e-05
2756	219	-12.46	5.31	-2.10	-3.92e-04	0.0	7.16e-05
2756	233	0.86	16.77	-2.33	-1.32e-03	0.0	3.38e-04
2756	235	-4.18	14.51	-2.63	-1.16e-03	0.0	1.20e-04
2756	264	-1.20	0.79	-1.52	-1.22e-04	0.0	-7.34e-05
2756	268	-0.54	1.34	-1.72	-1.74e-04	0.0	-8.56e-05
2756	276	-0.45	1.51	-1.54	-1.75e-04	0.0	-7.21e-05
2756	298	-0.45	0.72	-1.37	-1.15e-04	0.0	-7.01e-05
2756	305	-0.57	0.68	-1.31	-1.08e-04	0.0	-6.61e-05
2756	307	-0.42	0.83	-1.31	-1.19e-04	0.0	-6.59e-05
2756	310	-0.42	0.68	-1.30	-1.08e-04	0.0	-6.51e-05
2757	42	-0.23	-0.52	0.04	3.46e-04	0.0	-1.72e-04
2757	45	-0.24	-0.52	0.05	3.39e-04	0.0	-1.71e-04
2757	47	-0.22	-0.51	0.05	3.35e-04	0.0	-1.69e-04
2757	122	1.99	-0.77	-0.46	4.96e-04	0.0	-1.23e-04
2757	132	0.33	-3.02	-0.08	1.93e-03	0.0	-5.30e-04
2757	154	2.23	-0.87	-0.52	5.60e-04	0.0	-1.39e-04
2757	164	0.37	-3.41	-0.09	2.19e-03	0.0	-5.98e-04
2757	186	2.20	-0.90	-0.51	5.81e-04	0.0	-1.42e-04
2757	196	0.38	-3.52	-0.09	2.26e-03	0.0	-6.01e-04
2757	218	2.55	-1.08	-0.60	6.97e-04	0.0	-1.69e-04
2757	228	0.45	-4.22	-0.11	2.71e-03	0.0	-7.13e-04
2757	261	-0.15	-0.35	0.03	2.31e-04	0.0	-1.15e-04
2757	262	-0.15	-0.35	0.03	2.33e-04	0.0	-1.15e-04
2757	263	-0.14	-0.34	0.03	2.28e-04	0.0	-1.14e-04
2757	302	0.05	0.01	-0.01	-6.77e-06	0.0	7.42e-06
2757	303	0.06	0.02	-0.01	-9.28e-06	0.0	8.54e-06
2757	304	-8.74e-03	-0.08	-1.75e-03	5.81e-05	0.0	-2.60e-05
2757	309	0.03	-0.02	-9.47e-03	1.48e-05	0.0	-3.73e-06
2757	310	0.04	-0.01	-7.79e-03	1.23e-05	0.0	-2.60e-06
2758	44	-1.84	1.19	-2.15	-1.38e-04	0.0	-4.42e-05
2758	52	-0.82	2.06	-2.45	-2.06e-04	0.0	-5.14e-05
2758	68	-0.68	2.32	-2.18	-2.15e-04	0.0	-4.29e-05
2758	123	-10.05	4.12	-1.88	-2.75e-04	0.0	7.37e-05
2758	137	0.54	12.83	-2.01	-9.26e-04	0.0	2.78e-04
2758	139	-3.50	11.10	-2.25	-8.13e-04	0.0	1.08e-04
2758	155	-11.24	4.57	-1.96	-3.00e-04	0.0	8.71e-05
2758	169	0.66	14.43	-2.11	-1.04e-03	0.0	3.17e-04
2758	171	-3.87	12.47	-2.37	-9.08e-04	0.0	1.25e-04

2758	187	-11.07	4.71	-1.96	-3.09e-04	0.0	9.29e-05
2758	201	0.67	14.78	-2.13	-1.06e-03	0.0	3.21e-04
2758	203	-3.78	12.80	-2.40	-9.29e-04	0.0	1.31e-04
2758	219	-12.80	5.52	-2.08	-3.55e-04	0.0	1.18e-04
2758	233	0.87	17.45	-2.30	-1.25e-03	0.0	3.84e-04
2758	235	-4.31	15.10	-2.60	-1.09e-03	0.0	1.61e-04
2758	264	-1.25	0.83	-1.51	-9.63e-05	0.0	-2.99e-05
2758	268	-0.57	1.41	-1.71	-1.42e-04	0.0	-3.47e-05
2758	276	-0.48	1.58	-1.53	-1.48e-04	0.0	-2.90e-05
2758	298	-0.47	0.76	-1.35	-8.91e-05	0.0	-2.80e-05
2758	305	-0.60	0.72	-1.29	-8.41e-05	0.0	-2.67e-05
2758	307	-0.44	0.87	-1.30	-9.44e-05	0.0	-2.65e-05
2758	310	-0.44	0.72	-1.29	-8.43e-05	0.0	-2.53e-05
2759	42	-0.31	-0.71	0.05	3.52e-04	0.0	-2.32e-04
2759	45	-0.33	-0.69	0.06	3.44e-04	0.0	-2.28e-04
2759	47	-0.30	-0.68	0.06	3.41e-04	0.0	-2.28e-04
2759	122	2.69	-1.02	-0.56	4.88e-04	0.0	-1.58e-04
2759	132	0.45	-3.98	-0.10	1.89e-03	0.0	-6.73e-04
2759	154	3.02	-1.15	-0.63	5.50e-04	0.0	-1.77e-04
2759	164	0.50	-4.50	-0.11	2.14e-03	0.0	-7.58e-04
2759	186	2.98	-1.19	-0.62	5.70e-04	0.0	-1.81e-04
2759	196	0.51	-4.64	-0.11	2.21e-03	0.0	-7.59e-04
2759	218	3.46	-1.43	-0.72	6.84e-04	0.0	-2.15e-04
2759	228	0.61	-5.57	-0.14	2.65e-03	0.0	-8.99e-04
2759	261	-0.21	-0.47	0.03	2.35e-04	0.0	-1.55e-04
2759	262	-0.20	-0.47	0.03	2.37e-04	0.0	-1.55e-04
2759	263	-0.19	-0.46	0.04	2.33e-04	0.0	-1.54e-04
2759	302	0.06	0.02	-0.02	-5.02e-06	0.0	7.70e-06
2759	303	0.07	0.02	-0.01	-6.58e-06	0.0	8.15e-06
2759	304	-0.02	-0.12	-1.85e-03	6.05e-05	0.0	-3.66e-05
2759	309	0.03	-0.03	-0.01	1.68e-05	0.0	-7.07e-06
2759	310	0.05	-0.02	-7.79e-03	1.52e-05	0.0	-6.61e-06
2760	44	-1.92	1.25	-2.15	-1.27e-04	0.0	-5.96e-06
2760	52	-0.88	2.15	-2.45	-1.89e-04	0.0	-1.05e-05
2760	68	-0.74	2.42	-2.19	-1.99e-04	0.0	-9.77e-06
2760	123	-10.31	3.56	-1.88	-2.51e-04	0.0	8.94e-05
2760	137	0.53	13.29	-2.00	-8.53e-04	0.0	2.62e-04
2760	139	-3.61	11.50	-2.24	-7.49e-04	0.0	8.83e-05
2760	155	-11.53	3.93	-1.96	-2.74e-04	0.0	1.02e-04
2760	169	0.65	14.94	-2.09	-9.55e-04	0.0	2.95e-04
2760	171	-3.99	12.92	-2.36	-8.37e-04	0.0	1.00e-04
2760	187	-11.35	4.07	-1.96	-2.81e-04	0.0	1.07e-04
2760	201	0.66	15.30	-2.12	-9.77e-04	0.0	2.96e-04
2760	203	-3.89	13.26	-2.38	-8.56e-04	0.0	1.04e-04
2760	219	-13.12	4.76	-2.08	-3.24e-04	0.0	1.30e-04
2760	233	0.86	18.06	-2.28	-1.15e-03	0.0	3.50e-04
2760	235	-4.44	15.64	-2.59	-1.00e-03	0.0	1.25e-04
2760	264	-1.31	0.87	-1.51	-8.88e-05	0.0	-3.20e-06
2760	268	-0.61	1.47	-1.71	-1.30e-04	0.0	-6.23e-06
2760	276	-0.52	1.65	-1.53	-1.37e-04	0.0	-5.74e-06
2760	298	-0.51	0.80	-1.35	-8.06e-05	0.0	-3.64e-06
2760	305	-0.63	0.75	-1.29	-7.63e-05	0.0	-3.57e-06
2760	307	-0.48	0.91	-1.30	-8.59e-05	0.0	-4.07e-06
2760	310	-0.48	0.75	-1.29	-7.65e-05	0.0	-2.29e-06
2761	42	-0.40	-0.89	0.06	3.57e-04	0.0	-2.90e-04
2761	45	-0.42	-0.87	0.06	3.48e-04	0.0	-2.85e-04
2761	47	-0.39	-0.86	0.07	3.47e-04	0.0	-2.86e-04
2761	122	3.40	-1.26	-0.64	4.80e-04	0.0	-1.88e-04
2761	132	0.56	-4.92	-0.11	1.86e-03	0.0	-7.95e-04
2761	154	3.82	-1.42	-0.72	5.42e-04	0.0	-2.11e-04
2761	164	0.63	-5.57	-0.13	2.10e-03	0.0	-8.95e-04
2761	186	3.77	-1.47	-0.71	5.61e-04	0.0	-2.15e-04
2761	196	0.65	-5.73	-0.13	2.17e-03	0.0	-8.93e-04
2761	218	4.38	-1.77	-0.82	6.72e-04	0.0	-2.53e-04
2761	228	0.77	-6.88	-0.16	2.60e-03	0.0	-1.05e-03
2761	261	-0.27	-0.59	0.04	2.38e-04	0.0	-1.94e-04
2761	262	-0.26	-0.60	0.04	2.40e-04	0.0	-1.95e-04
2761	263	-0.25	-0.59	0.05	2.38e-04	0.0	-1.95e-04
2761	302	0.06	0.02	-0.02	-3.40e-06	0.0	6.77e-06
2761	303	0.08	0.03	-0.01	-4.09e-06	0.0	6.03e-06
2761	304	-0.03	-0.15	-2.22e-03	6.26e-05	0.0	-4.80e-05
2761	309	0.03	-0.04	-0.01	1.86e-05	0.0	-1.15e-05
2761	310	0.05	-0.03	-7.33e-03	1.79e-05	0.0	-1.22e-05
2762	44	-2.00	1.29	-2.18	-1.35e-04	0.0	5.23e-05
2762	52	-0.94	2.23	-2.47	-1.92e-04	0.0	4.80e-05

2762	68	-0.80	2.51	-2.21	-2.00e-04	0.0	4.13e-05
2762	123	-10.56	3.68	-1.89	-2.29e-04	0.0	1.11e-04
2762	137	0.51	13.70	-2.00	-7.56e-04	0.0	2.50e-04
2762	139	-3.72	11.86	-2.24	-6.65e-04	0.0	7.38e-05
2762	155	-11.81	4.07	-1.97	-2.49e-04	0.0	1.22e-04
2762	169	0.64	15.39	-2.09	-8.45e-04	0.0	2.78e-04
2762	171	-4.11	13.31	-2.36	-7.42e-04	0.0	7.98e-05
2762	187	-11.63	4.21	-1.97	-2.55e-04	0.0	1.26e-04
2762	201	0.65	15.77	-2.12	-8.63e-04	0.0	2.75e-04
2762	203	-4.01	13.67	-2.38	-7.58e-04	0.0	8.01e-05
2762	219	-13.44	4.92	-2.09	-2.92e-04	0.0	1.47e-04
2762	233	0.85	18.61	-2.28	-1.01e-03	0.0	3.18e-04
2762	235	-4.58	16.12	-2.58	-8.87e-04	0.0	8.99e-05
2762	264	-1.36	0.90	-1.53	-9.44e-05	0.0	3.75e-05
2762	268	-0.66	1.52	-1.72	-1.32e-04	0.0	3.46e-05
2762	276	-0.56	1.71	-1.55	-1.38e-04	0.0	3.02e-05
2762	298	-0.54	0.83	-1.36	-8.36e-05	0.0	2.93e-05
2762	305	-0.67	0.78	-1.30	-7.96e-05	0.0	2.86e-05
2762	307	-0.51	0.95	-1.31	-8.82e-05	0.0	2.71e-05
2762	310	-0.51	0.78	-1.30	-7.97e-05	0.0	2.91e-05
2763	42	-0.47	-1.06	0.07	3.61e-04	0.0	-3.41e-04
2763	45	-0.49	-1.04	0.07	3.51e-04	0.0	-3.33e-04
2763	47	-0.47	-1.02	0.09	3.51e-04	0.0	-3.36e-04
2763	122	4.04	-1.47	-0.69	4.77e-04	0.0	-2.14e-04
2763	132	0.66	-5.75	-0.12	1.84e-03	0.0	-8.97e-04
2763	154	4.54	-1.67	-0.77	5.37e-04	0.0	-2.40e-04
2763	164	0.74	-6.50	-0.14	2.08e-03	0.0	-1.01e-03
2763	186	4.48	-1.73	-0.76	5.57e-04	0.0	-2.43e-04
2763	196	0.77	-6.70	-0.14	2.14e-03	0.0	-1.00e-03
2763	218	5.21	-2.07	-0.89	6.66e-04	0.0	-2.85e-04
2763	228	0.92	-8.04	-0.17	2.57e-03	0.0	-1.18e-03
2763	261	-0.32	-0.71	0.04	2.41e-04	0.0	-2.27e-04
2763	262	-0.31	-0.71	0.04	2.43e-04	0.0	-2.29e-04
2763	263	-0.30	-0.70	0.05	2.41e-04	0.0	-2.30e-04
2763	302	0.06	0.02	-0.02	-2.18e-06	0.0	4.97e-06
2763	303	0.08	0.03	-0.01	-2.24e-06	0.0	2.77e-06
2763	304	-0.04	-0.18	-3.74e-03	6.41e-05	0.0	-5.84e-05
2763	309	0.03	-0.05	-0.02	1.99e-05	0.0	-1.62e-05
2763	310	0.04	-0.04	-7.52e-03	1.98e-05	0.0	-1.84e-05
2764	44	-2.04	1.24	-2.24	-2.45e-04	0.0	3.61e-04
2764	52	-0.97	2.20	-2.52	-3.02e-04	0.0	3.69e-04
2764	68	-0.81	2.49	-2.27	-3.01e-04	0.0	3.43e-04
2764	123	-10.83	3.74	-1.92	-2.77e-04	0.0	3.66e-04
2764	137	0.53	13.95	-2.02	-7.42e-04	0.0	4.37e-04
2764	139	-3.82	12.07	-2.26	-6.57e-04	0.0	2.79e-04
2764	155	-12.11	4.14	-1.99	-2.96e-04	0.0	3.88e-04
2764	169	0.66	15.68	-2.11	-8.20e-04	0.0	4.68e-04
2764	171	-4.22	13.57	-2.38	-7.25e-04	0.0	2.90e-04
2764	187	-11.92	4.28	-1.99	-3.02e-04	0.0	3.90e-04
2764	201	0.67	16.07	-2.14	-8.37e-04	0.0	4.67e-04
2764	203	-4.12	13.93	-2.40	-7.40e-04	0.0	2.92e-04
2764	219	-13.78	5.01	-2.11	-3.36e-04	0.0	4.26e-04
2764	233	0.88	18.97	-2.30	-9.69e-04	0.0	5.16e-04
2764	235	-4.69	16.43	-2.60	-8.54e-04	0.0	3.11e-04
2764	264	-1.39	0.86	-1.57	-1.72e-04	0.0	2.55e-04
2764	268	-0.67	1.50	-1.76	-2.10e-04	0.0	2.60e-04
2764	276	-0.57	1.69	-1.59	-2.10e-04	0.0	2.43e-04
2764	298	-0.56	0.80	-1.39	-1.44e-04	0.0	1.99e-04
2764	305	-0.69	0.76	-1.33	-1.39e-04	0.0	1.95e-04
2764	307	-0.53	0.92	-1.34	-1.46e-04	0.0	1.93e-04
2764	310	-0.53	0.76	-1.32	-1.39e-04	0.0	1.94e-04
2765	44	-2.24	1.58	-2.07	-2.81e-04	-9.04e-04	2.97e-05
2765	52	-1.16	2.56	-2.34	-3.33e-04	-9.43e-04	2.13e-05
2765	68	-1.00	2.84	-2.10	-3.25e-04	-9.18e-04	1.79e-05
2765	123	-11.06	4.02	-1.74	-2.86e-04	-6.17e-04	9.22e-05
2765	137	0.43	14.47	-1.86	-7.18e-04	-6.98e-04	2.56e-04
2765	139	-3.98	12.56	-2.06	-6.42e-04	-7.54e-04	6.11e-05
2765	155	-12.36	4.43	-1.80	-3.03e-04	-6.34e-04	1.03e-04
2765	169	0.56	16.24	-1.94	-7.92e-04	-7.27e-04	2.87e-04
2765	171	-4.39	14.10	-2.17	-7.06e-04	-7.90e-04	6.80e-05
2765	187	-12.17	4.57	-1.80	-3.09e-04	-6.33e-04	1.08e-04
2765	201	0.56	16.65	-1.97	-8.08e-04	-7.33e-04	2.86e-04
2765	203	-4.29	14.46	-2.19	-7.19e-04	-7.95e-04	6.96e-05
2765	219	-14.05	5.33	-1.90	-3.41e-04	-6.61e-04	1.29e-04
2765	233	0.77	19.63	-2.11	-9.32e-04	-7.82e-04	3.35e-04

2765	235	-4.87	17.03	-2.36	-8.26e-04	-8.54e-04	8.13e-05
2765	264	-1.53	1.10	-1.45	-1.97e-04	-6.39e-04	2.03e-05
2765	268	-0.81	1.76	-1.64	-2.32e-04	-6.65e-04	1.48e-05
2765	276	-0.70	1.94	-1.47	-2.26e-04	-6.49e-04	1.25e-05
2765	298	-0.66	0.99	-1.30	-1.63e-04	-4.82e-04	1.17e-05
2765	305	-0.79	0.94	-1.24	-1.58e-04	-4.75e-04	1.26e-05
2765	307	-0.63	1.11	-1.25	-1.64e-04	-4.77e-04	1.10e-05
2765	310	-0.63	0.94	-1.24	-1.56e-04	-4.74e-04	1.09e-05
2766	44	-2.24	1.56	-2.32	-2.81e-04	-1.38e-03	3.83e-05
2766	52	-1.16	2.55	-2.61	-3.33e-04	-1.42e-03	3.13e-05
2766	68	-1.00	2.83	-2.35	-3.25e-04	-1.39e-03	2.65e-05
2766	123	-11.06	3.96	-1.96	-2.86e-04	-8.93e-04	9.14e-05
2766	137	0.43	14.41	-2.06	-7.18e-04	-9.49e-04	2.58e-04
2766	139	-3.98	12.49	-2.30	-6.42e-04	-1.02e-03	5.84e-05
2766	155	-12.36	4.36	-2.04	-3.03e-04	-9.15e-04	1.02e-04
2766	169	0.56	16.18	-2.15	-7.92e-04	-9.79e-04	2.89e-04
2766	171	-4.39	14.01	-2.42	-7.06e-04	-1.06e-03	6.42e-05
2766	187	-12.17	4.51	-2.04	-3.09e-04	-9.09e-04	1.06e-04
2766	201	0.56	16.57	-2.18	-8.08e-04	-9.82e-04	2.87e-04
2766	203	-4.29	14.38	-2.44	-7.19e-04	-1.06e-03	6.55e-05
2766	219	-14.05	5.25	-2.16	-3.41e-04	-9.43e-04	1.26e-04
2766	233	0.77	19.54	-2.34	-9.32e-04	-1.03e-03	3.35e-04
2766	235	-4.87	16.93	-2.64	-8.26e-04	-1.12e-03	7.54e-05
2766	264	-1.53	1.09	-1.63	-1.97e-04	-9.80e-04	2.64e-05
2766	268	-0.81	1.75	-1.82	-2.32e-04	-1.00e-03	2.17e-05
2766	276	-0.70	1.93	-1.65	-2.26e-04	-9.88e-04	1.85e-05
2766	301	-0.65	0.97	-1.43	-1.65e-04	-8.16e-04	1.64e-05
2766	305	-0.79	0.94	-1.38	-1.58e-04	-7.15e-04	1.79e-05
2766	307	-0.63	1.10	-1.38	-1.64e-04	-7.17e-04	1.63e-05
2766	310	-0.63	0.93	-1.37	-1.56e-04	-7.14e-04	1.62e-05
2767	42	-0.57	-1.23	0.07	3.64e-04	-1.08e-04	-3.93e-04
2767	45	-0.59	-1.20	0.08	3.53e-04	-8.72e-05	-3.83e-04
2767	47	-0.57	-1.19	0.10	3.54e-04	-1.16e-04	-3.89e-04
2767	122	4.68	-1.69	-0.73	4.76e-04	3.96e-04	-2.38e-04
2767	132	0.76	-6.57	-0.13	1.83e-03	3.51e-05	-9.88e-04
2767	154	5.26	-1.91	-0.81	5.36e-04	4.52e-04	-2.65e-04
2767	164	0.86	-7.43	-0.14	2.07e-03	4.70e-05	-1.11e-03
2767	186	5.18	-1.98	-0.80	5.56e-04	4.45e-04	-2.68e-04
2767	196	0.88	-7.66	-0.15	2.14e-03	5.09e-05	-1.10e-03
2767	218	6.03	-2.37	-0.93	6.65e-04	5.28e-04	-3.13e-04
2767	228	1.06	-9.18	-0.18	2.56e-03	7.31e-05	-1.29e-03
2767	261	-0.38	-0.82	0.05	2.43e-04	-7.21e-05	-2.63e-04
2767	262	-0.38	-0.83	0.05	2.45e-04	-7.53e-05	-2.65e-04
2767	263	-0.37	-0.81	0.06	2.43e-04	-9.15e-05	-2.67e-04
2767	302	0.07	0.02	-0.02	-1.56e-06	-3.35e-05	2.97e-06
2767	303	0.08	0.03	-0.01	-1.29e-06	-5.02e-05	0.0
2767	304	-0.05	-0.21	-4.93e-03	6.50e-05	-4.40e-05	-6.95e-05
2767	309	0.03	-0.06	-0.02	2.06e-05	-3.70e-05	-2.12e-05
2767	310	0.04	-0.05	-7.04e-03	2.09e-05	-5.37e-05	-2.49e-05
2768	45	-0.68	-0.99	0.09	-3.95e-04	0.0	-3.04e-04
2768	46	-0.67	-0.99	0.09	-4.10e-04	0.0	-3.05e-04
2768	47	-0.67	-0.93	0.12	-4.79e-04	0.0	-3.04e-04
2768	122	5.30	-1.81	-0.79	2.90e-04	0.0	-2.02e-04
2768	129	-0.81	7.34	0.12	-1.91e-03	0.0	8.68e-04
2768	154	5.95	-2.06	-0.88	3.47e-04	0.0	-2.27e-04
2768	161	-0.92	8.31	0.14	-2.15e-03	0.0	9.80e-04
2768	186	5.87	-2.14	-0.87	3.66e-04	0.0	-2.30e-04
2768	193	-0.95	8.59	0.15	-2.21e-03	0.0	9.73e-04
2768	218	6.83	-2.58	-1.01	4.72e-04	0.0	-2.71e-04
2768	225	-1.15	10.32	0.18	-2.63e-03	0.0	1.15e-03
2768	261	-0.45	-0.66	0.05	-3.00e-04	0.0	-2.07e-04
2768	262	-0.44	-0.66	0.05	-3.10e-04	0.0	-2.07e-04
2768	263	-0.44	-0.62	0.07	-3.56e-04	0.0	-2.07e-04
2768	302	0.06	0.06	-0.03	-7.63e-05	0.0	7.67e-06
2768	304	-0.08	-0.13	-7.29e-03	-1.37e-04	0.0	-5.08e-05
2768	309	0.01	-3.88e-03	-0.02	-9.66e-05	0.0	-1.18e-05
2768	310	0.02	0.03	-7.78e-03	-1.45e-04	0.0	-1.22e-05
2769	28	-1.91	1.87	-1.60	-3.07e-04	-5.19e-04	3.40e-05
2769	44	-2.24	1.64	-1.43	-2.81e-04	-4.65e-04	3.52e-05
2769	68	-1.00	2.88	-1.42	-3.25e-04	-4.78e-04	2.32e-05
2769	123	-11.06	4.22	-1.21	-2.86e-04	-3.94e-04	1.02e-04
2769	137	0.43	14.74	-0.99	-7.18e-04	-4.75e-04	2.63e-04
2769	155	-12.36	4.66	-1.25	-3.03e-04	-4.09e-04	1.14e-04
2769	169	0.56	16.55	-1.01	-7.92e-04	-5.02e-04	2.95e-04
2769	187	-12.17	4.82	-1.25	-3.09e-04	-4.11e-04	1.19e-04

2769	201	0.56	16.97	-1.02	-8.08e-04	-5.09e-04	2.94e-04
2769	219	-14.06	5.62	-1.32	-3.41e-04	-4.36e-04	1.42e-04
2769	233	0.77	20.02	-1.05	-9.32e-04	-5.54e-04	3.44e-04
2769	256	-1.31	1.30	-1.12	-2.14e-04	-3.63e-04	2.34e-05
2769	264	-1.53	1.14	-1.01	-1.97e-04	-3.27e-04	2.43e-05
2769	276	-0.70	1.97	-1.00	-2.26e-04	-3.36e-04	1.63e-05
2769	298	-0.66	1.02	-0.90	-1.63e-04	-2.86e-04	1.45e-05
2769	305	-0.79	0.97	-0.86	-1.58e-04	-2.74e-04	1.54e-05
2769	307	-0.63	1.14	-0.86	-1.64e-04	-2.76e-04	1.38e-05
2769	310	-0.63	0.96	-0.86	-1.56e-04	-2.73e-04	1.36e-05
2770	43	-0.78	-0.64	0.12	-5.34e-04	0.0	-2.28e-04
2770	45	-0.77	-0.77	0.10	-4.06e-04	0.0	-2.32e-04
2770	47	-0.78	-0.67	0.13	-4.91e-04	0.0	-2.27e-04
2770	122	5.91	-1.94	-0.83	2.81e-04	0.0	-1.67e-04
2770	123	-5.92	2.15	0.82	-5.73e-04	0.0	1.65e-04
2770	129	-0.94	8.23	0.13	-1.88e-03	0.0	7.92e-04
2770	154	6.65	-2.21	-0.93	3.38e-04	0.0	-1.88e-04
2770	155	-6.66	2.43	0.92	-6.30e-04	0.0	1.86e-04
2770	161	-1.06	9.30	0.15	-2.11e-03	0.0	8.93e-04
2770	186	6.55	-2.30	-0.92	3.56e-04	0.0	-1.92e-04
2770	187	-6.57	2.52	0.90	-6.48e-04	0.0	1.90e-04
2770	193	-1.10	9.63	0.16	-2.18e-03	0.0	8.90e-04
2770	218	7.63	-2.80	-1.07	4.60e-04	0.0	-2.29e-04
2770	219	-7.65	3.02	1.06	-7.51e-04	0.0	2.26e-04
2770	225	-1.33	11.57	0.19	-2.59e-03	0.0	1.05e-03
2770	261	-0.51	-0.49	0.06	-3.08e-04	0.0	-1.55e-04
2770	263	-0.52	-0.42	0.08	-3.65e-04	0.0	-1.53e-04
2770	302	0.05	0.10	-0.03	-7.62e-05	0.0	1.16e-05
2770	305	-0.11	-5.13e-04	9.88e-03	-1.88e-04	0.0	-3.14e-05
2770	307	-4.41e-03	0.17	-6.67e-03	-1.75e-04	0.0	-9.64e-06
2770	309	-2.74e-03	0.05	-0.02	-9.72e-05	0.0	-3.56e-06
2770	310	-7.29e-03	0.11	-6.42e-03	-1.46e-04	0.0	-1.06e-06
2771	43	-0.90	-0.34	0.13	-5.48e-04	0.0	-1.57e-04
2771	47	-0.89	-0.39	0.13	-5.05e-04	0.0	-1.59e-04
2771	68	-0.03	0.88	-5.39e-04	-4.58e-04	0.0	-3.87e-05
2771	122	6.52	-2.06	-0.86	2.70e-04	0.0	-1.33e-04
2771	123	-6.60	2.43	0.85	-5.62e-04	0.0	1.48e-04
2771	129	-1.08	9.11	0.14	-1.84e-03	0.0	7.15e-04
2771	154	7.34	-2.36	-0.96	3.25e-04	0.0	-1.52e-04
2771	155	-7.41	2.73	0.95	-6.18e-04	0.0	1.66e-04
2771	161	-1.21	10.29	0.16	-2.06e-03	0.0	8.05e-04
2771	186	7.23	-2.46	-0.95	3.43e-04	0.0	-1.55e-04
2771	187	-7.31	2.84	0.94	-6.35e-04	0.0	1.70e-04
2771	193	-1.25	10.66	0.17	-2.13e-03	0.0	8.06e-04
2771	218	8.43	-3.01	-1.10	4.43e-04	0.0	-1.88e-04
2771	219	-8.51	3.39	1.10	-7.36e-04	0.0	2.02e-04
2771	225	-1.51	12.80	0.20	-2.52e-03	0.0	9.54e-04
2771	263	-0.60	-0.22	0.08	-3.74e-04	0.0	-1.05e-04
2771	276	-0.02	0.59	-4.67e-03	-3.13e-04	0.0	-2.58e-05
2771	302	0.03	0.14	-0.03	-7.56e-05	0.0	1.41e-05
2771	305	-0.15	0.10	0.01	-1.90e-04	0.0	-1.51e-05
2771	307	-0.03	0.26	-4.16e-03	-1.76e-04	0.0	0.0
2771	309	-0.02	0.10	-0.02	-9.76e-05	0.0	2.83e-06
2771	310	-0.04	0.19	-3.92e-03	-1.46e-04	0.0	7.44e-06
2772	28	-1.91	1.85	-1.83	-3.07e-04	-5.24e-04	3.35e-05
2772	44	-2.24	1.63	-1.63	-2.81e-04	-4.75e-04	3.47e-05
2772	68	-1.00	2.87	-1.62	-3.25e-04	-4.92e-04	2.28e-05
2772	123	-11.06	4.17	-1.37	-2.86e-04	-3.82e-04	1.01e-04
2772	137	0.43	14.67	-1.23	-7.18e-04	-4.95e-04	2.62e-04
2772	143	-4.71	13.61	-1.40	-6.74e-04	-5.30e-04	1.61e-04
2772	155	-12.36	4.60	-1.42	-3.03e-04	-3.96e-04	1.13e-04
2772	169	0.56	16.47	-1.27	-7.92e-04	-5.24e-04	2.93e-04
2772	175	-5.22	15.27	-1.46	-7.42e-04	-5.63e-04	1.80e-04
2772	187	-12.17	4.76	-1.42	-3.09e-04	-3.98e-04	1.18e-04
2772	199	-6.27	14.93	-1.47	-7.33e-04	-5.53e-04	4.21e-04
2772	201	0.56	16.88	-1.28	-8.08e-04	-5.31e-04	2.92e-04
2772	219	-14.05	5.55	-1.50	-3.41e-04	-4.21e-04	1.40e-04
2772	231	-7.21	17.81	-1.56	-8.52e-04	-6.10e-04	5.04e-04
2772	233	0.77	19.91	-1.34	-9.32e-04	-5.80e-04	3.42e-04
2772	256	-1.31	1.29	-1.28	-2.14e-04	-3.67e-04	2.31e-05
2772	264	-1.53	1.13	-1.15	-1.97e-04	-3.34e-04	2.39e-05
2772	276	-0.70	1.96	-1.14	-2.26e-04	-3.45e-04	1.59e-05
2772	298	-0.66	1.01	-1.03	-1.63e-04	-2.85e-04	1.42e-05
2772	305	-0.79	0.96	-0.99	-1.58e-04	-2.75e-04	1.51e-05
2772	307	-0.63	1.13	-0.99	-1.64e-04	-2.77e-04	1.35e-05

2772	310	-0.63	0.96	-0.98	-1.56e-04	-2.74e-04	1.33e-05
2773	44	-1.02	-0.03	0.13	-5.77e-04	0.0	-9.99e-05
2773	47	-1.00	-0.13	0.14	-5.18e-04	0.0	-1.05e-04
2773	68	-0.09	1.11	4.61e-03	-4.59e-04	0.0	-1.97e-05
2773	122	7.09	-2.17	-0.87	2.59e-04	0.0	-1.04e-04
2773	123	-7.24	2.69	0.87	-5.51e-04	0.0	1.28e-04
2773	129	-1.21	9.92	0.15	-1.79e-03	0.0	6.39e-04
2773	154	7.98	-2.49	-0.98	3.12e-04	0.0	-1.19e-04
2773	155	-8.13	3.02	0.98	-6.05e-04	0.0	1.43e-04
2773	161	-1.36	11.20	0.17	-2.01e-03	0.0	7.19e-04
2773	186	7.87	-2.61	-0.96	3.29e-04	0.0	-1.23e-04
2773	187	-8.02	3.13	0.96	-6.22e-04	0.0	1.47e-04
2773	193	-1.40	11.61	0.17	-2.07e-03	0.0	7.24e-04
2773	218	9.18	-3.20	-1.12	4.26e-04	0.0	-1.51e-04
2773	219	-9.32	3.72	1.12	-7.19e-04	0.0	1.75e-04
2773	225	-1.68	13.94	0.21	-2.46e-03	0.0	8.58e-04
2773	263	-0.68	-0.03	0.09	-3.83e-04	0.0	-6.72e-05
2773	264	-0.68	-0.01	0.08	-3.93e-04	0.0	-6.62e-05
2773	276	-0.06	0.75	-1.29e-03	-3.14e-04	0.0	-1.28e-05
2773	302	0.01	0.18	-0.03	-7.48e-05	0.0	1.44e-05
2773	305	-0.19	0.20	0.02	-1.92e-04	0.0	-4.08e-06
2773	307	-0.07	0.35	-1.15e-03	-1.76e-04	0.0	6.61e-06
2773	309	-0.05	0.15	-0.02	-9.76e-05	0.0	6.36e-06
2773	310	-0.07	0.26	-9.25e-04	-1.46e-04	0.0	1.19e-05
2774	44	-1.15	0.26	0.14	-5.87e-04	0.0	-5.52e-05
2774	47	-1.11	0.14	0.14	-5.29e-04	0.0	-6.01e-05
2774	68	-0.16	1.34	0.01	-4.59e-04	0.0	-6.25e-06
2774	123	-7.88	2.94	0.87	-5.41e-04	0.0	1.04e-04
2774	129	-1.36	10.71	0.15	-1.75e-03	0.0	5.69e-04
2774	155	-8.85	3.29	0.98	-5.94e-04	0.0	1.17e-04
2774	161	-1.52	12.09	0.17	-1.97e-03	0.0	6.41e-04
2774	187	-8.73	3.41	0.97	-6.10e-04	0.0	1.21e-04
2774	193	-1.56	12.54	0.18	-2.02e-03	0.0	6.49e-04
2774	219	-10.14	4.05	1.13	-7.04e-04	0.0	1.45e-04
2774	225	-1.87	15.04	0.22	-2.40e-03	0.0	7.71e-04
2774	263	-0.77	0.17	0.09	-3.90e-04	0.0	-3.72e-05
2774	264	-0.78	0.19	0.09	-4.00e-04	0.0	-3.62e-05
2774	276	-0.11	0.91	2.42e-03	-3.14e-04	0.0	-3.62e-06
2774	302	-0.01	0.22	-0.03	-7.39e-05	0.0	1.24e-05
2774	305	-0.25	0.30	0.02	-1.93e-04	0.0	2.57e-06
2774	307	-0.12	0.44	2.16e-03	-1.76e-04	0.0	9.09e-06
2774	309	-0.07	0.20	-0.02	-9.74e-05	0.0	7.33e-06
2774	310	-0.12	0.33	2.35e-03	-1.46e-04	0.0	1.27e-05
2775	44	-2.24	1.61	-1.79	-2.81e-04	-5.22e-04	3.44e-05
2775	52	-1.16	2.59	-2.02	-3.33e-04	-5.75e-04	2.60e-05
2775	68	-1.00	2.86	-1.79	-3.25e-04	-5.40e-04	2.25e-05
2775	123	-11.06	4.12	-1.50	-2.86e-04	-3.98e-04	9.99e-05
2775	137	0.43	14.60	-1.45	-7.18e-04	-5.21e-04	2.61e-04
2775	143	-4.71	13.54	-1.63	-6.74e-04	-5.55e-04	1.60e-04
2775	155	-12.36	4.54	-1.56	-3.03e-04	-4.12e-04	1.12e-04
2775	169	0.56	16.39	-1.50	-7.92e-04	-5.52e-04	2.93e-04
2775	175	-5.22	15.20	-1.70	-7.42e-04	-5.89e-04	1.79e-04
2775	187	-12.17	4.70	-1.56	-3.09e-04	-4.13e-04	1.17e-04
2775	201	0.56	16.80	-1.52	-8.08e-04	-5.59e-04	2.92e-04
2775	207	-5.11	15.58	-1.71	-7.57e-04	-5.96e-04	1.80e-04
2775	219	-14.05	5.47	-1.64	-3.41e-04	-4.36e-04	1.39e-04
2775	233	0.77	19.81	-1.61	-9.32e-04	-6.10e-04	3.41e-04
2775	239	-5.83	18.36	-1.83	-8.71e-04	-6.53e-04	2.10e-04
2775	264	-1.53	1.12	-1.26	-1.97e-04	-3.68e-04	2.36e-05
2775	268	-0.81	1.77	-1.41	-2.32e-04	-4.03e-04	1.81e-05
2775	276	-0.70	1.95	-1.26	-2.26e-04	-3.80e-04	1.57e-05
2775	298	-0.66	1.00	-1.13	-1.63e-04	-3.02e-04	1.41e-05
2775	305	-0.79	0.96	-1.08	-1.58e-04	-2.93e-04	1.50e-05
2775	307	-0.63	1.12	-1.08	-1.64e-04	-2.95e-04	1.34e-05
2775	310	-0.63	0.95	-1.08	-1.56e-04	-2.92e-04	1.32e-05
2776	44	-1.30	0.57	0.14	-5.94e-04	0.0	-2.02e-05
2776	47	-1.24	0.41	0.15	-5.36e-04	0.0	-2.42e-05
2776	68	-0.25	1.58	0.02	-4.59e-04	0.0	2.33e-06
2776	123	-8.52	3.19	0.86	-5.35e-04	0.0	8.69e-05
2776	129	-1.51	11.49	0.16	-1.73e-03	0.0	5.30e-04
2776	155	-9.56	3.56	0.97	-5.87e-04	0.0	9.73e-05
2776	161	-1.68	12.96	0.18	-1.94e-03	0.0	5.97e-04
2776	187	-9.43	3.70	0.96	-6.02e-04	0.0	1.03e-04
2776	193	-1.73	13.45	0.18	-1.99e-03	0.0	6.09e-04
2776	219	-10.96	4.38	1.12	-6.95e-04	0.0	1.23e-04

2776	225	-2.06	16.12	0.22	-2.36e-03	0.0	7.26e-04
2776	263	-0.87	0.37	0.09	-3.94e-04	0.0	-1.38e-05
2776	264	-0.88	0.40	0.09	-4.04e-04	0.0	-1.30e-05
2776	276	-0.17	1.07	5.74e-03	-3.14e-04	0.0	2.05e-06
2776	302	-0.04	0.25	-0.03	-7.31e-05	0.0	8.62e-06
2776	305	-0.31	0.39	0.02	-1.94e-04	0.0	5.49e-06
2776	307	-0.17	0.53	5.11e-03	-1.76e-04	0.0	8.49e-06
2776	309	-0.11	0.25	-0.02	-9.72e-05	0.0	6.13e-06
2776	310	-0.17	0.41	5.24e-03	-1.46e-04	0.0	1.05e-05
2777	44	-1.46	0.87	0.14	-2.45e-04	-2.31e-04	5.87e-06
2777	47	-1.38	0.68	0.15	-1.75e-04	-1.90e-04	3.88e-06
2777	68	-0.35	1.81	0.02	-3.29e-04	-1.76e-04	7.07e-06
2777	123	-9.16	3.44	0.86	-4.35e-04	-5.64e-04	7.50e-05
2777	129	-1.67	12.27	0.16	-1.30e-03	-2.11e-04	5.15e-04
2777	155	-10.27	3.83	0.96	-4.73e-04	-6.21e-04	8.46e-05
2777	161	-1.86	13.83	0.18	-1.45e-03	-2.24e-04	5.81e-04
2777	187	-10.13	3.97	0.95	-4.88e-04	-6.14e-04	9.05e-05
2777	193	-1.91	14.35	0.19	-1.50e-03	-2.29e-04	5.95e-04
2777	219	-11.75	4.70	1.10	-5.58e-04	-6.98e-04	1.10e-04
2777	225	-2.26	17.20	0.22	-1.77e-03	-2.54e-04	7.12e-04
2777	263	-0.97	0.57	0.09	-1.56e-04	-1.54e-04	3.81e-06
2777	264	-0.99	0.60	0.09	-1.72e-04	-1.60e-04	4.21e-06
2777	276	-0.24	1.23	8.40e-03	-2.27e-04	-1.23e-04	5.01e-06
2777	302	-0.08	0.29	-0.03	-1.03e-04	-6.73e-05	3.49e-06
2777	305	-0.38	0.49	0.02	-1.52e-04	-1.17e-04	5.33e-06
2777	307	-0.23	0.62	7.39e-03	-1.63e-04	-1.10e-04	5.49e-06
2777	309	-0.15	0.30	-0.02	-1.02e-04	-7.11e-05	3.25e-06
2777	310	-0.24	0.48	7.45e-03	-1.53e-04	-1.10e-04	5.82e-06
2778	44	-2.24	1.59	-1.91	-2.81e-04	-6.50e-04	3.27e-05
2778	52	-1.16	2.57	-2.17	-3.33e-04	-6.96e-04	2.43e-05
2778	68	-1.00	2.84	-1.93	-3.25e-04	-6.67e-04	2.08e-05
2778	123	-11.06	4.07	-1.61	-2.86e-04	-4.67e-04	9.73e-05
2778	137	0.43	14.53	-1.65	-7.18e-04	-5.80e-04	2.60e-04
2778	139	-3.98	12.64	-1.84	-6.42e-04	-6.29e-04	6.71e-05
2778	155	-12.36	4.49	-1.67	-3.03e-04	-4.82e-04	1.09e-04
2778	169	0.56	16.31	-1.72	-7.92e-04	-6.11e-04	2.91e-04
2778	171	-4.39	14.18	-1.93	-7.06e-04	-6.65e-04	7.47e-05
2778	187	-12.17	4.63	-1.67	-3.09e-04	-4.83e-04	1.14e-04
2778	201	0.56	16.72	-1.74	-8.08e-04	-6.18e-04	2.90e-04
2778	203	-4.29	14.54	-1.94	-7.19e-04	-6.71e-04	7.64e-05
2778	219	-14.05	5.40	-1.77	-3.41e-04	-5.07e-04	1.35e-04
2778	233	0.77	19.72	-1.85	-9.32e-04	-6.68e-04	3.39e-04
2778	235	-4.87	17.13	-2.09	-8.26e-04	-7.31e-04	8.92e-05
2778	264	-1.53	1.11	-1.34	-1.97e-04	-4.59e-04	2.25e-05
2778	268	-0.81	1.76	-1.51	-2.32e-04	-4.90e-04	1.69e-05
2778	276	-0.70	1.94	-1.36	-2.26e-04	-4.70e-04	1.46e-05
2778	298	-0.66	1.00	-1.21	-1.63e-04	-3.59e-04	1.32e-05
2778	305	-0.79	0.95	-1.16	-1.58e-04	-3.51e-04	1.41e-05
2778	307	-0.63	1.12	-1.16	-1.64e-04	-3.54e-04	1.25e-05
2778	310	-0.63	0.94	-1.15	-1.56e-04	-3.51e-04	1.23e-05
2779	35	-2.12	1.54	-10.53	-2.51e-04	-2.94e-03	5.66e-05
2779	44	-2.55	1.43	-8.64	-2.30e-04	-2.34e-03	5.82e-05
2779	68	-1.24	2.72	-8.46	-2.92e-04	-2.31e-03	4.61e-05
2779	123	-11.52	4.47	-6.54	-2.64e-04	-1.69e-03	9.58e-05
2779	137	-0.60	14.18	-4.65	-6.95e-04	-1.22e-03	2.65e-04
2779	155	-12.86	4.95	-6.78	-2.81e-04	-1.75e-03	1.05e-04
2779	169	-0.58	15.93	-4.66	-7.69e-04	-1.22e-03	2.95e-04
2779	187	-12.70	5.09	-6.72	-2.87e-04	-1.73e-03	1.09e-04
2779	201	-0.56	16.30	-4.66	-7.85e-04	-1.22e-03	2.92e-04
2779	219	-14.66	5.94	-7.07	-3.18e-04	-1.81e-03	1.27e-04
2779	233	-0.52	19.21	-4.68	-9.08e-04	-1.22e-03	3.39e-04
2779	259	-1.45	1.07	-7.39	-1.74e-04	-2.07e-03	3.93e-05
2779	264	-1.74	1.00	-6.13	-1.61e-04	-1.66e-03	4.04e-05
2779	276	-0.87	1.86	-6.01	-2.02e-04	-1.64e-03	3.23e-05
2779	301	-0.80	0.90	-5.13	-1.42e-04	-1.38e-03	2.89e-05
2779	305	-0.95	0.87	-4.63	-1.36e-04	-1.22e-03	2.97e-05
2779	307	-0.77	1.04	-4.61	-1.45e-04	-1.22e-03	2.81e-05
2779	310	-0.77	0.87	-4.61	-1.36e-04	-1.22e-03	2.80e-05
2780	44	-1.66	0.92	-0.85	0.0	-3.96e-04	1.42e-04
2780	52	-0.53	1.64	-0.98	0.0	-2.73e-04	-2.42e-05
2780	68	-0.44	1.93	-0.88	0.0	-2.34e-04	-2.01e-05
2780	123	-9.48	3.28	-0.84	0.0	-6.46e-04	5.09e-05
2780	137	0.59	12.06	-1.08	0.0	-1.27e-04	1.71e-04
2780	139	-3.16	10.46	-1.20	0.0	-3.32e-04	1.04e-05
2780	155	-10.62	3.65	-0.88	0.0	-7.09e-04	5.93e-05

2780	169	0.70	13.57	-1.15	0.0	-1.25e-04	1.93e-04
2780	171	-3.51	11.77	-1.29	0.0	-3.55e-04	1.34e-05
2780	187	-10.46	3.79	-0.89	0.0	-7.00e-04	6.29e-05
2780	201	0.71	13.93	-1.17	0.0	-1.27e-04	1.89e-04
2780	203	-3.41	12.08	-1.30	0.0	-3.51e-04	1.24e-05
2780	219	-12.11	4.47	-0.96	0.0	-7.92e-04	7.91e-05
2780	227	-5.25	14.12	-1.46	0.0	-4.75e-04	2.72e-04
2780	233	0.88	16.48	-1.30	0.0	-1.24e-04	2.24e-04
2780	264	-1.12	0.64	-0.60	0.0	-2.71e-04	9.45e-05
2780	268	-0.37	1.12	-0.68	0.0	-1.89e-04	-1.64e-05
2780	276	-0.31	1.31	-0.62	0.0	-1.63e-04	-1.37e-05
2780	298	-0.31	0.55	-0.54	0.0	-1.53e-04	-1.33e-05
2780	305	-0.45	0.53	-0.52	0.0	-1.67e-04	9.15e-06
2780	307	-0.29	0.67	-0.52	0.0	-1.45e-04	-1.25e-05
2780	310	-0.29	0.52	-0.51	0.0	-1.44e-04	-1.23e-05
2781	44	-1.62	0.92	-0.80	0.0	-3.57e-04	1.25e-04
2781	52	-0.54	1.64	-0.90	0.0	-2.78e-04	-2.29e-05
2781	68	-0.45	1.93	-0.81	0.0	-2.38e-04	-1.91e-05
2781	123	-9.46	3.28	-0.72	0.0	-6.33e-04	5.39e-05
2781	135	-4.76	10.78	-0.82	0.0	-4.19e-04	2.63e-04
2781	137	0.62	12.06	-0.73	0.0	-1.29e-04	1.72e-04
2781	155	-10.59	3.65	-0.75	0.0	-6.93e-04	6.26e-05
2781	167	-5.32	12.14	-0.87	0.0	-4.53e-04	2.98e-04
2781	169	0.73	13.57	-0.76	0.0	-1.27e-04	1.95e-04
2781	187	-10.43	3.79	-0.75	0.0	-6.85e-04	6.63e-05
2781	199	-5.24	12.60	-0.88	0.0	-4.51e-04	3.06e-04
2781	201	0.74	13.93	-0.77	0.0	-1.29e-04	1.91e-04
2781	219	-12.08	4.47	-0.80	0.0	-7.73e-04	8.30e-05
2781	231	-6.07	15.08	-0.96	0.0	-5.05e-04	3.70e-04
2781	233	0.92	16.48	-0.83	0.0	-1.26e-04	2.26e-04
2781	264	-1.09	0.64	-0.56	0.0	-2.45e-04	8.28e-05
2781	268	-0.37	1.12	-0.63	0.0	-1.93e-04	-1.56e-05
2781	276	-0.31	1.31	-0.57	0.0	-1.66e-04	-1.30e-05
2781	298	-0.31	0.55	-0.51	0.0	-1.56e-04	-1.26e-05
2781	305	-0.45	0.53	-0.49	0.0	-1.63e-04	7.35e-06
2781	307	-0.29	0.67	-0.49	0.0	-1.48e-04	-1.18e-05
2781	310	-0.30	0.52	-0.48	0.0	-1.47e-04	-1.16e-05
2782	44	-1.87	1.05	-0.88	0.0	-3.26e-04	2.28e-04
2782	52	-0.67	1.81	-1.01	0.0	-2.45e-04	-1.69e-05
2782	68	-0.56	2.10	-0.91	0.0	-2.12e-04	-1.40e-05
2782	123	-9.82	3.49	-0.85	0.0	-6.07e-04	1.32e-04
2782	137	0.53	12.63	-1.07	0.0	-1.13e-04	1.78e-04
2782	139	-3.33	10.97	-1.18	0.0	-3.09e-04	2.22e-05
2782	155	-10.99	3.87	-0.90	0.0	-6.66e-04	1.50e-04
2782	169	0.64	14.21	-1.14	0.0	-1.11e-04	2.02e-04
2782	171	-3.69	12.33	-1.27	0.0	-3.32e-04	2.62e-05
2782	187	-10.82	4.01	-0.90	0.0	-6.58e-04	1.51e-04
2782	201	0.65	14.58	-1.16	0.0	-1.13e-04	1.97e-04
2782	203	-3.59	12.65	-1.29	0.0	-3.28e-04	2.47e-05
2782	219	-12.53	4.73	-0.97	0.0	-7.45e-04	1.81e-04
2782	227	-5.49	14.78	-1.44	0.0	-4.43e-04	3.10e-04
2782	233	0.83	17.24	-1.28	0.0	-1.10e-04	2.32e-04
2782	264	-1.27	0.73	-0.62	0.0	-2.24e-04	1.52e-04
2782	268	-0.47	1.24	-0.70	0.0	-1.70e-04	-1.14e-05
2782	276	-0.39	1.43	-0.64	0.0	-1.48e-04	-9.44e-06
2782	298	-0.39	0.64	-0.56	0.0	-1.37e-04	-9.23e-06
2782	305	-0.54	0.61	-0.53	0.0	-1.45e-04	2.36e-05
2782	307	-0.36	0.75	-0.54	0.0	-1.30e-04	-8.65e-06
2782	310	-0.37	0.60	-0.53	0.0	-1.30e-04	-8.44e-06
2783	44	-1.79	1.05	-0.83	0.0	-2.97e-04	2.04e-04
2783	52	-0.68	1.81	-0.93	0.0	-2.40e-04	-1.52e-05
2783	68	-0.57	2.10	-0.83	0.0	-2.08e-04	-1.26e-05
2783	123	-9.78	3.49	-0.74	0.0	-5.90e-04	1.30e-04
2783	135	-4.98	11.30	-0.84	0.0	-3.84e-04	3.09e-04
2783	137	0.56	12.63	-0.74	0.0	-1.08e-04	1.80e-04
2783	155	-10.95	3.87	-0.77	0.0	-6.48e-04	1.48e-04
2783	167	-5.55	12.72	-0.88	0.0	-4.16e-04	3.50e-04
2783	169	0.68	14.21	-0.78	0.0	-1.06e-04	2.03e-04
2783	187	-10.78	4.01	-0.77	0.0	-6.40e-04	1.49e-04
2783	199	-5.47	13.20	-0.89	0.0	-4.15e-04	3.58e-04
2783	201	0.69	14.58	-0.79	0.0	-1.08e-04	1.98e-04
2783	219	-12.48	4.73	-0.82	0.0	-7.24e-04	1.78e-04
2783	231	-6.32	15.79	-0.97	0.0	-4.65e-04	4.30e-04
2783	233	0.87	17.24	-0.84	0.0	-1.05e-04	2.34e-04
2783	264	-1.21	0.73	-0.58	0.0	-2.04e-04	1.36e-04

2783	268	-0.47	1.24	-0.65	0.0	-1.67e-04	-1.02e-05
2783	276	-0.40	1.43	-0.58	0.0	-1.45e-04	-8.47e-06
2783	298	-0.39	0.64	-0.52	0.0	-1.35e-04	-8.28e-06
2783	305	-0.53	0.61	-0.50	0.0	-1.40e-04	2.11e-05
2783	307	-0.37	0.75	-0.50	0.0	-1.28e-04	-7.76e-06
2783	310	-0.37	0.60	-0.50	0.0	-1.27e-04	-7.55e-06
2784	44	-2.03	1.19	-0.89	0.0	-2.57e-04	2.81e-04
2784	52	-0.79	1.99	-1.02	0.0	-2.18e-04	7.51e-06
2784	68	-0.67	2.27	-0.93	0.0	-1.90e-04	6.43e-06
2784	123	-10.13	3.68	-0.86	0.0	-5.66e-04	1.58e-04
2784	137	0.48	13.16	-1.06	0.0	-9.91e-05	2.03e-04
2784	139	-3.48	11.44	-1.17	0.0	-2.87e-04	4.25e-05
2784	155	-11.33	4.09	-0.90	0.0	-6.21e-04	1.78e-04
2784	169	0.59	14.81	-1.13	0.0	-9.74e-05	2.28e-04
2784	171	-3.85	12.86	-1.25	0.0	-3.08e-04	4.76e-05
2784	187	-11.16	4.23	-0.91	0.0	-6.14e-04	1.79e-04
2784	201	0.60	15.19	-1.15	0.0	-9.88e-05	2.23e-04
2784	203	-3.75	13.19	-1.27	0.0	-3.05e-04	4.65e-05
2784	219	-12.91	4.97	-0.97	0.0	-6.96e-04	2.11e-04
2784	227	-5.72	15.40	-1.42	0.0	-4.09e-04	3.48e-04
2784	233	0.79	17.96	-1.26	0.0	-9.67e-05	2.61e-04
2784	264	-1.37	0.83	-0.63	0.0	-1.77e-04	1.88e-04
2784	268	-0.55	1.36	-0.72	0.0	-1.51e-04	5.40e-06
2784	276	-0.47	1.55	-0.65	0.0	-1.33e-04	4.68e-06
2784	298	-0.46	0.72	-0.57	0.0	-1.22e-04	4.36e-06
2784	305	-0.61	0.69	-0.54	0.0	-1.25e-04	4.07e-05
2784	307	-0.43	0.83	-0.55	0.0	-1.16e-04	4.07e-06
2784	310	-0.43	0.68	-0.54	0.0	-1.15e-04	4.20e-06
2785	44	-1.93	1.19	-0.84	0.0	-2.43e-04	2.54e-04
2785	52	-0.79	1.99	-0.94	0.0	-2.10e-04	8.36e-06
2785	68	-0.67	2.27	-0.84	0.0	-1.84e-04	7.10e-06
2785	123	-10.08	3.68	-0.75	0.0	-5.57e-04	1.54e-04
2785	135	-5.17	11.79	-0.84	0.0	-3.56e-04	3.43e-04
2785	137	0.52	13.16	-0.75	0.0	-9.07e-05	2.04e-04
2785	155	-11.28	4.09	-0.78	0.0	-6.13e-04	1.73e-04
2785	167	-5.75	13.27	-0.89	0.0	-3.87e-04	3.86e-04
2785	169	0.64	14.81	-0.78	0.0	-8.84e-05	2.29e-04
2785	187	-11.11	4.23	-0.78	0.0	-6.05e-04	1.74e-04
2785	199	-5.68	13.76	-0.90	0.0	-3.85e-04	3.94e-04
2785	201	0.65	15.19	-0.79	0.0	-8.97e-05	2.25e-04
2785	219	-12.85	4.97	-0.83	0.0	-6.86e-04	2.06e-04
2785	231	-6.56	16.45	-0.98	0.0	-4.33e-04	4.71e-04
2785	233	0.84	17.96	-0.85	0.0	-8.66e-05	2.62e-04
2785	264	-1.31	0.83	-0.59	0.0	-1.68e-04	1.70e-04
2785	268	-0.55	1.36	-0.66	0.0	-1.46e-04	5.98e-06
2785	276	-0.47	1.55	-0.59	0.0	-1.29e-04	5.14e-06
2785	298	-0.46	0.72	-0.53	0.0	-1.18e-04	4.84e-06
2785	305	-0.60	0.69	-0.51	0.0	-1.20e-04	3.75e-05
2785	307	-0.43	0.83	-0.51	0.0	-1.12e-04	4.52e-06
2785	310	-0.43	0.68	-0.51	0.0	-1.11e-04	4.65e-06
2786	44	-2.14	1.32	-0.90	0.0	-2.01e-04	2.94e-04
2786	52	-0.89	2.16	-1.03	0.0	-2.03e-04	2.47e-05
2786	68	-0.76	2.44	-0.93	0.0	-1.80e-04	2.13e-05
2786	123	-10.40	3.86	-0.86	0.0	-5.31e-04	1.66e-04
2786	137	0.44	13.64	-1.05	0.0	-9.25e-05	2.24e-04
2786	139	-3.61	11.86	-1.16	0.0	-2.72e-04	5.66e-05
2786	155	-11.63	4.28	-0.90	0.0	-5.84e-04	1.86e-04
2786	169	0.55	15.33	-1.12	0.0	-9.09e-05	2.50e-04
2786	171	-3.99	13.32	-1.24	0.0	-2.92e-04	6.24e-05
2786	187	-11.46	4.43	-0.91	0.0	-5.77e-04	1.87e-04
2786	201	0.56	15.73	-1.13	0.0	-9.24e-05	2.47e-04
2786	203	-3.88	13.67	-1.26	0.0	-2.89e-04	6.19e-05
2786	219	-13.24	5.19	-0.97	0.0	-6.54e-04	2.19e-04
2786	227	-5.91	15.94	-1.40	0.0	-3.83e-04	3.70e-04
2786	233	0.75	18.58	-1.25	0.0	-9.05e-05	2.87e-04
2786	264	-1.45	0.92	-0.64	0.0	-1.40e-04	1.97e-04
2786	268	-0.62	1.48	-0.72	0.0	-1.42e-04	1.73e-05
2786	276	-0.53	1.66	-0.66	0.0	-1.26e-04	1.50e-05
2786	298	-0.51	0.80	-0.57	0.0	-1.13e-04	1.37e-05
2786	305	-0.67	0.77	-0.55	0.0	-1.11e-04	4.93e-05
2786	307	-0.48	0.92	-0.55	0.0	-1.08e-04	1.29e-05
2786	310	-0.49	0.76	-0.55	0.0	-1.08e-04	1.30e-05
2787	44	-2.04	1.32	-0.85	0.0	-2.05e-04	2.67e-04
2787	52	-0.89	2.16	-0.96	0.0	-1.97e-04	2.44e-05
2787	68	-0.75	2.44	-0.85	0.0	-1.74e-04	2.09e-05

2787	123	-10.35	3.86	-0.76	0.0	-5.32e-04	1.62e-04
2787	135	-5.33	12.22	-0.85	0.0	-3.38e-04	3.62e-04
2787	137	0.49	13.64	-0.75	0.0	-8.41e-05	2.24e-04
2787	155	-11.57	4.28	-0.79	0.0	-5.85e-04	1.81e-04
2787	167	-5.94	13.74	-0.89	0.0	-3.67e-04	4.08e-04
2787	169	0.61	15.33	-0.79	0.0	-8.18e-05	2.50e-04
2787	187	-11.40	4.43	-0.79	0.0	-5.78e-04	1.83e-04
2787	199	-5.86	14.25	-0.90	0.0	-3.66e-04	4.16e-04
2787	201	0.61	15.73	-0.79	0.0	-8.31e-05	2.47e-04
2787	219	-13.18	5.19	-0.84	0.0	-6.55e-04	2.14e-04
2787	231	-6.76	17.03	-0.98	0.0	-4.11e-04	4.96e-04
2787	233	0.81	18.58	-0.85	0.0	-8.01e-05	2.87e-04
2787	264	-1.38	0.92	-0.60	0.0	-1.43e-04	1.78e-04
2787	268	-0.61	1.48	-0.67	0.0	-1.37e-04	1.70e-05
2787	276	-0.52	1.66	-0.60	0.0	-1.22e-04	1.47e-05
2787	298	-0.51	0.80	-0.54	0.0	-1.10e-04	1.35e-05
2787	305	-0.65	0.77	-0.52	0.0	-1.09e-04	4.55e-05
2787	307	-0.48	0.92	-0.52	0.0	-1.05e-04	1.28e-05
2787	310	-0.48	0.76	-0.51	0.0	-1.04e-04	1.28e-05
2788	44	-2.22	1.44	-0.91	0.0	-1.53e-04	2.71e-04
2788	52	-0.99	2.33	-1.04	0.0	-2.00e-04	3.62e-05
2788	68	-0.84	2.60	-0.94	0.0	-1.79e-04	3.17e-05
2788	123	-10.65	4.03	-0.87	0.0	-5.01e-04	1.60e-04
2788	137	0.40	14.08	-1.04	0.0	-9.27e-05	2.42e-04
2788	139	-3.73	12.26	-1.15	0.0	-2.62e-04	6.48e-05
2788	155	-11.91	4.46	-0.91	0.0	-5.50e-04	1.78e-04
2788	169	0.52	15.83	-1.11	0.0	-9.14e-05	2.70e-04
2788	171	-4.12	13.76	-1.23	0.0	-2.82e-04	7.10e-05
2788	187	-11.73	4.61	-0.91	0.0	-5.44e-04	1.79e-04
2788	201	0.53	16.24	-1.12	0.0	-9.29e-05	2.67e-04
2788	203	-4.02	14.11	-1.24	0.0	-2.79e-04	7.11e-05
2788	219	-13.56	5.40	-0.98	0.0	-6.15e-04	2.09e-04
2788	227	-6.09	16.45	-1.38	0.0	-3.63e-04	3.79e-04
2788	233	0.72	19.17	-1.23	0.0	-9.15e-05	3.10e-04
2788	264	-1.51	1.01	-0.64	0.0	-1.08e-04	1.82e-04
2788	268	-0.69	1.59	-0.73	0.0	-1.40e-04	2.53e-05
2788	276	-0.59	1.77	-0.66	0.0	-1.26e-04	2.23e-05
2788	298	-0.57	0.88	-0.58	0.0	-1.11e-04	1.97e-05
2788	305	-0.72	0.84	-0.55	0.0	-1.03e-04	5.06e-05
2788	307	-0.54	1.00	-0.56	0.0	-1.06e-04	1.88e-05
2788	310	-0.54	0.83	-0.55	0.0	-1.06e-04	1.87e-05
2789	44	-2.13	1.44	-0.86	0.0	-1.75e-04	2.45e-04
2789	52	-0.98	2.33	-0.96	0.0	-1.96e-04	3.52e-05
2789	68	-0.83	2.60	-0.86	0.0	-1.75e-04	3.08e-05
2789	123	-10.61	4.03	-0.76	0.0	-5.09e-04	1.57e-04
2789	135	-5.50	12.62	-0.85	0.0	-3.26e-04	3.71e-04
2789	137	0.45	14.08	-0.76	0.0	-8.57e-05	2.41e-04
2789	155	-11.86	4.46	-0.79	0.0	-5.60e-04	1.75e-04
2789	167	-6.11	14.19	-0.89	0.0	-3.54e-04	4.17e-04
2789	169	0.57	15.83	-0.79	0.0	-8.38e-05	2.69e-04
2789	187	-11.68	4.61	-0.80	0.0	-5.53e-04	1.76e-04
2789	199	-6.03	14.71	-0.91	0.0	-3.52e-04	4.25e-04
2789	201	0.58	16.24	-0.80	0.0	-8.52e-05	2.66e-04
2789	219	-13.50	5.40	-0.84	0.0	-6.27e-04	2.06e-04
2789	231	-6.96	17.57	-0.98	0.0	-3.96e-04	5.07e-04
2789	233	0.78	19.17	-0.85	0.0	-8.28e-05	3.09e-04
2789	264	-1.45	1.01	-0.60	0.0	-1.23e-04	1.64e-04
2789	268	-0.68	1.59	-0.67	0.0	-1.37e-04	2.46e-05
2789	276	-0.58	1.77	-0.61	0.0	-1.23e-04	2.17e-05
2789	298	-0.56	0.88	-0.54	0.0	-1.08e-04	1.92e-05
2789	305	-0.70	0.84	-0.52	0.0	-1.04e-04	4.68e-05
2789	307	-0.53	1.00	-0.52	0.0	-1.04e-04	1.83e-05
2789	310	-0.53	0.83	-0.52	0.0	-1.03e-04	1.83e-05
2790	44	-2.28	1.57	-0.91	0.0	-1.08e-04	2.04e-04
2790	52	-1.09	2.49	-1.05	0.0	-2.03e-04	4.38e-05
2790	68	-0.93	2.75	-0.94	0.0	-1.83e-04	3.84e-05
2790	123	-10.89	4.19	-0.87	0.0	-4.76e-04	1.05e-04
2790	137	0.36	14.51	-1.04	0.0	-9.60e-05	2.54e-04
2790	139	-3.85	12.63	-1.14	0.0	-2.57e-04	6.51e-05
2790	155	-12.17	4.63	-0.91	0.0	-5.22e-04	1.16e-04
2790	169	0.48	16.29	-1.10	0.0	-9.50e-05	2.84e-04
2790	171	-4.25	14.17	-1.22	0.0	-2.75e-04	7.09e-05
2790	187	-11.99	4.78	-0.91	0.0	-5.16e-04	1.20e-04
2790	201	0.49	16.72	-1.12	0.0	-9.65e-05	2.81e-04
2790	203	-4.14	14.54	-1.24	0.0	-2.73e-04	7.15e-05

2790	219	-13.85	5.59	-0.98	0.0	-5.83e-04	1.41e-04
2790	227	-6.27	16.93	-1.37	0.0	-3.48e-04	3.72e-04
2790	233	0.68	19.72	-1.23	0.0	-9.55e-05	3.26e-04
2790	264	-1.55	1.09	-0.64	0.0	-7.83e-05	1.37e-04
2790	268	-0.76	1.70	-0.73	0.0	-1.42e-04	3.05e-05
2790	276	-0.65	1.88	-0.66	0.0	-1.29e-04	2.70e-05
2790	298	-0.62	0.96	-0.58	0.0	-1.12e-04	2.39e-05
2790	305	-0.77	0.92	-0.56	0.0	-9.74e-05	4.47e-05
2790	307	-0.59	1.08	-0.56	0.0	-1.07e-04	2.27e-05
2790	310	-0.59	0.91	-0.55	0.0	-1.07e-04	2.26e-05
2791	44	-2.21	1.57	-0.86	0.0	-1.50e-04	1.85e-04
2791	52	-1.08	2.49	-0.97	0.0	-2.00e-04	4.24e-05
2791	68	-0.92	2.75	-0.86	0.0	-1.81e-04	3.72e-05
2791	123	-10.85	4.19	-0.77	0.0	-4.90e-04	1.05e-04
2791	135	-5.65	13.00	-0.85	0.0	-3.18e-04	3.56e-04
2791	137	0.41	14.51	-0.76	0.0	-9.09e-05	2.54e-04
2791	155	-12.13	4.63	-0.80	0.0	-5.38e-04	1.16e-04
2791	167	-6.28	14.61	-0.90	0.0	-3.44e-04	4.00e-04
2791	169	0.54	16.29	-0.79	0.0	-8.94e-05	2.83e-04
2791	187	-11.95	4.78	-0.80	0.0	-5.32e-04	1.20e-04
2791	199	-6.20	15.15	-0.91	0.0	-3.43e-04	4.10e-04
2791	201	0.54	16.72	-0.80	0.0	-9.09e-05	2.81e-04
2791	219	-13.80	5.59	-0.85	0.0	-6.02e-04	1.41e-04
2791	231	-7.15	18.08	-0.98	0.0	-3.85e-04	4.88e-04
2791	233	0.74	19.72	-0.85	0.0	-8.92e-05	3.26e-04
2791	264	-1.50	1.09	-0.61	0.0	-1.06e-04	1.24e-04
2791	268	-0.75	1.70	-0.68	0.0	-1.40e-04	2.96e-05
2791	276	-0.64	1.88	-0.61	0.0	-1.27e-04	2.61e-05
2791	298	-0.62	0.96	-0.55	0.0	-1.10e-04	2.31e-05
2791	305	-0.75	0.92	-0.52	0.0	-1.02e-04	4.17e-05
2791	307	-0.58	1.08	-0.52	0.0	-1.06e-04	2.20e-05
2791	310	-0.58	0.91	-0.52	0.0	-1.05e-04	2.19e-05
2792	44	-2.28	1.68	-0.92	0.0	-7.94e-05	6.85e-05
2792	52	-1.20	2.64	-1.05	0.0	-2.05e-04	5.00e-05
2792	68	-1.03	2.90	-0.94	0.0	-1.85e-04	4.35e-05
2792	123	-11.11	4.34	-0.87	0.0	-4.66e-04	9.66e-05
2792	137	0.31	14.91	-1.04	0.0	-9.79e-05	2.62e-04
2792	139	-3.97	12.99	-1.14	0.0	-2.55e-04	5.98e-05
2792	155	-12.41	4.79	-0.91	0.0	-5.10e-04	1.06e-04
2792	169	0.43	16.74	-1.10	0.0	-9.70e-05	2.91e-04
2792	171	-4.38	14.57	-1.22	0.0	-2.73e-04	6.46e-05
2792	187	-12.23	4.95	-0.91	0.0	-5.04e-04	1.11e-04
2792	201	0.44	17.17	-1.12	0.0	-9.85e-05	2.89e-04
2792	203	-4.27	14.94	-1.23	0.0	-2.70e-04	6.53e-05
2792	219	-14.12	5.78	-0.98	0.0	-5.69e-04	1.29e-04
2792	227	-6.43	17.39	-1.37	0.0	-3.42e-04	3.52e-04
2792	233	0.63	20.26	-1.22	0.0	-9.77e-05	3.35e-04
2792	264	-1.55	1.17	-0.64	0.0	-5.96e-05	4.72e-05
2792	268	-0.83	1.81	-0.73	0.0	-1.44e-04	3.49e-05
2792	276	-0.72	1.99	-0.66	0.0	-1.30e-04	3.05e-05
2792	298	-0.68	1.03	-0.58	0.0	-1.13e-04	2.76e-05
2792	305	-0.81	0.99	-0.56	0.0	-9.44e-05	2.95e-05
2792	307	-0.64	1.15	-0.56	0.0	-1.09e-04	2.62e-05
2792	310	-0.65	0.98	-0.55	0.0	-1.08e-04	2.62e-05
2793	44	-2.26	1.68	-0.86	0.0	-1.33e-04	8.27e-05
2793	52	-1.18	2.64	-0.97	0.0	-2.03e-04	4.77e-05
2793	68	-1.01	2.90	-0.87	0.0	-1.83e-04	4.11e-05
2793	123	-11.09	4.34	-0.77	0.0	-4.82e-04	9.53e-05
2793	135	-5.81	13.37	-0.85	0.0	-3.14e-04	3.44e-04
2793	137	0.37	14.91	-0.76	0.0	-9.36e-05	2.60e-04
2793	155	-12.38	4.79	-0.80	0.0	-5.29e-04	1.05e-04
2793	167	-6.45	15.02	-0.90	0.0	-3.40e-04	3.86e-04
2793	169	0.50	16.74	-0.79	0.0	-9.22e-05	2.89e-04
2793	187	-12.20	4.95	-0.80	0.0	-5.22e-04	1.09e-04
2793	199	-6.37	15.57	-0.91	0.0	-3.39e-04	3.95e-04
2793	201	0.50	17.17	-0.80	0.0	-9.38e-05	2.87e-04
2793	219	-14.09	5.78	-0.85	0.0	-5.90e-04	1.28e-04
2793	231	-7.33	18.57	-0.99	0.0	-3.80e-04	4.70e-04
2793	233	0.71	20.26	-0.85	0.0	-9.24e-05	3.33e-04
2793	264	-1.54	1.17	-0.61	0.0	-9.52e-05	5.65e-05
2793	268	-0.82	1.81	-0.68	0.0	-1.42e-04	3.32e-05
2793	276	-0.71	1.98	-0.61	0.0	-1.29e-04	2.88e-05
2793	298	-0.67	1.03	-0.55	0.0	-1.11e-04	2.65e-05
2793	305	-0.80	0.99	-0.53	0.0	-1.00e-04	3.05e-05
2793	307	-0.64	1.15	-0.53	0.0	-1.07e-04	2.50e-05

2793	310	-0.64	0.98	-0.52	0.0	-1.07e-04	2.50e-05
2794	4	-0.06	1.05	-0.23	0.0	-5.58e-05	2.12e-04
2794	44	-1.89	1.05	-0.16	0.0	-7.54e-04	-5.40e-04
2794	68	-0.41	2.01	-0.21	0.0	-1.95e-04	2.98e-05
2794	123	-9.48	3.58	0.07	0.0	-7.26e-04	-5.24e-05
2794	125	8.13	4.25	-0.40	0.0	4.13e-04	2.02e-04
2794	129	-0.02	12.73	-0.29	0.0	-1.41e-04	3.85e-04
2794	155	-10.62	3.98	0.09	0.0	-8.01e-04	-6.10e-05
2794	157	9.17	4.73	-0.43	0.0	4.79e-04	2.24e-04
2794	161	0.01	14.35	-0.31	0.0	-1.45e-04	4.31e-04
2794	187	-10.45	4.13	0.09	0.0	-7.90e-04	-5.55e-05
2794	189	9.03	4.84	-0.43	0.0	4.69e-04	2.21e-04
2794	193	8.54e-03	14.89	-0.31	0.0	-1.47e-04	4.38e-04
2794	219	-12.11	4.87	0.12	0.0	-8.99e-04	-6.43e-05
2794	221	10.54	5.64	-0.48	0.0	5.64e-04	2.54e-04
2794	225	0.05	17.82	-0.34	0.0	-1.55e-04	5.18e-04
2794	244	-0.06	0.73	-0.17	0.0	-4.35e-05	1.42e-04
2794	264	-1.27	0.73	-0.12	0.0	-5.09e-04	-3.59e-04
2794	276	-0.28	1.37	-0.15	0.0	-1.36e-04	2.07e-05
2794	301	-0.28	0.59	-0.14	0.0	-1.23e-04	2.08e-05
2794	305	-0.47	0.59	-0.13	0.0	-1.94e-04	-5.52e-05
2794	307	-0.27	0.71	-0.13	0.0	-1.20e-04	2.08e-05
2794	310	-0.27	0.57	-0.13	0.0	-1.20e-04	2.11e-05
2795	11	-0.03	1.13	-0.24	0.0	-8.86e-05	3.35e-04
2795	44	-2.28	1.21	-0.16	0.0	-5.66e-04	-9.09e-04
2795	68	-0.51	2.22	-0.22	0.0	-1.91e-04	4.85e-05
2795	123	-9.85	3.84	0.07	0.0	-6.58e-04	-1.68e-04
2795	125	8.35	4.52	-0.41	0.0	3.62e-04	3.44e-04
2795	129	-0.08	13.44	-0.29	0.0	-1.28e-04	4.22e-04
2795	155	-11.04	4.27	0.09	0.0	-7.25e-04	-1.93e-04
2795	157	9.42	5.03	-0.44	0.0	4.22e-04	3.82e-04
2795	161	-0.05	15.14	-0.31	0.0	-1.30e-04	4.72e-04
2795	187	-10.86	4.42	0.09	0.0	-7.15e-04	-1.84e-04
2795	189	9.28	5.14	-0.44	0.0	4.12e-04	3.77e-04
2795	193	-0.06	15.69	-0.32	0.0	-1.32e-04	4.79e-04
2795	219	-12.58	5.20	0.12	0.0	-8.12e-04	-2.16e-04
2795	221	10.84	5.98	-0.49	0.0	4.98e-04	4.33e-04
2795	225	-0.02	18.77	-0.35	0.0	-1.37e-04	5.64e-04
2795	247	-0.04	0.79	-0.17	0.0	-6.53e-05	2.25e-04
2795	264	-1.54	0.84	-0.12	0.0	-3.83e-04	-6.05e-04
2795	276	-0.36	1.52	-0.16	0.0	-1.34e-04	3.35e-05
2795	301	-0.34	0.69	-0.14	0.0	-1.20e-04	3.25e-05
2795	305	-0.57	0.69	-0.13	0.0	-1.67e-04	-9.47e-05
2795	307	-0.33	0.82	-0.14	0.0	-1.17e-04	3.29e-05
2795	310	-0.33	0.67	-0.14	0.0	-1.17e-04	3.31e-05
2796	11	-0.10	1.31	-0.24	0.0	-1.53e-04	4.01e-04
2796	44	-2.53	1.38	-0.17	0.0	-3.25e-04	-1.10e-03
2796	68	-0.61	2.44	-0.22	0.0	-1.85e-04	5.67e-05
2796	123	-10.19	4.10	0.07	0.0	-5.77e-04	-2.27e-04
2796	125	8.53	4.79	-0.41	0.0	2.99e-04	4.16e-04
2796	129	-0.15	14.12	-0.30	0.0	-1.22e-04	4.46e-04
2796	155	-11.40	4.54	0.10	0.0	-6.35e-04	-2.59e-04
2796	157	9.64	5.32	-0.45	0.0	3.49e-04	4.63e-04
2796	161	-0.12	15.89	-0.32	0.0	-1.23e-04	4.99e-04
2796	187	-11.23	4.70	0.09	0.0	-6.27e-04	-2.49e-04
2796	189	9.49	5.43	-0.45	0.0	3.41e-04	4.56e-04
2796	193	-0.13	16.48	-0.32	0.0	-1.26e-04	5.07e-04
2796	219	-12.99	5.52	0.13	0.0	-7.11e-04	-2.91e-04
2796	221	11.09	6.32	-0.50	0.0	4.14e-04	5.25e-04
2796	225	-0.09	19.70	-0.36	0.0	-1.30e-04	5.96e-04
2796	247	-0.08	0.92	-0.17	0.0	-1.08e-04	2.69e-04
2796	264	-1.71	0.96	-0.12	0.0	-2.23e-04	-7.30e-04
2796	276	-0.43	1.67	-0.16	0.0	-1.29e-04	3.92e-05
2796	301	-0.40	0.80	-0.14	0.0	-1.16e-04	3.76e-05
2796	305	-0.65	0.79	-0.13	0.0	-1.31e-04	-1.16e-04
2796	307	-0.39	0.93	-0.14	0.0	-1.12e-04	3.82e-05
2796	310	-0.40	0.77	-0.14	0.0	-1.12e-04	3.83e-05
2797	18	0.47	0.86	-0.12	0.0	3.15e-04	2.86e-04
2797	44	-2.19	1.04	-0.06	0.0	-1.16e-03	-4.93e-04
2797	68	-0.39	2.00	-0.07	0.0	-1.77e-04	2.48e-05
2797	123	-9.53	3.58	0.13	0.0	-8.37e-04	-4.39e-05
2797	129	0.14	12.73	0.11	0.0	-1.00e-04	3.78e-04
2797	134	4.02	-10.60	-0.33	0.0	2.41e-04	-1.94e-04
2797	155	-10.68	3.98	0.16	0.0	-9.27e-04	-5.10e-05
2797	161	0.18	14.35	0.13	0.0	-9.97e-05	4.25e-04

2797	166	4.55	-12.09	-0.36	0.0	2.84e-04	-2.22e-04
2797	187	-10.51	4.13	0.16	0.0	-9.13e-04	-4.57e-05
2797	193	0.18	14.88	0.14	0.0	-9.99e-05	4.31e-04
2797	198	4.46	-12.59	-0.37	0.0	2.77e-04	-2.31e-04
2797	219	-12.18	4.87	0.20	0.0	-1.04e-03	-5.25e-05
2797	225	0.25	17.82	0.19	0.0	-9.96e-05	5.10e-04
2797	230	5.24	-15.30	-0.43	0.0	3.40e-04	-2.83e-04
2797	251	0.30	0.60	-0.09	0.0	2.04e-04	1.92e-04
2797	264	-1.47	0.72	-0.05	0.0	-7.76e-04	-3.28e-04
2797	276	-0.27	1.36	-0.06	0.0	-1.24e-04	1.72e-05
2797	303	-0.14	0.56	-0.08	0.0	-4.23e-05	5.24e-05
2797	305	-0.50	0.58	-0.07	0.0	-2.38e-04	-5.15e-05
2797	307	-0.26	0.71	-0.07	0.0	-1.08e-04	1.75e-05
2797	310	-0.26	0.57	-0.07	0.0	-1.08e-04	1.77e-05
2798	16	0.83	0.60	-0.12	0.0	2.10e-04	4.56e-04
2798	44	-2.79	1.21	-0.07	0.0	-8.23e-04	-8.34e-04
2798	68	-0.49	2.22	-0.08	0.0	-1.77e-04	4.15e-05
2798	123	-9.97	3.84	0.14	0.0	-7.44e-04	-1.50e-04
2798	129	0.08	13.44	0.12	0.0	-1.02e-04	4.14e-04
2798	134	4.15	-11.05	-0.35	0.0	2.01e-04	-1.51e-04
2798	155	-11.17	4.27	0.17	0.0	-8.23e-04	-1.71e-04
2798	161	0.13	15.14	0.15	0.0	-1.02e-04	4.63e-04
2798	166	4.70	-12.62	-0.39	0.0	2.39e-04	-1.75e-04
2798	187	-10.99	4.42	0.17	0.0	-8.10e-04	-1.63e-04
2798	193	0.13	15.69	0.16	0.0	-1.03e-04	4.70e-04
2798	198	4.61	-13.14	-0.39	0.0	2.34e-04	-1.85e-04
2798	219	-12.72	5.20	0.21	0.0	-9.25e-04	-1.91e-04
2798	225	0.20	18.78	0.21	0.0	-1.03e-04	5.55e-04
2798	230	5.41	-15.98	-0.46	0.0	2.91e-04	-2.32e-04
2798	249	0.53	0.43	-0.09	0.0	1.34e-04	3.05e-04
2798	264	-1.87	0.84	-0.05	0.0	-5.54e-04	-5.55e-04
2798	276	-0.34	1.52	-0.06	0.0	-1.24e-04	2.87e-05
2798	302	-0.06	0.42	-0.08	0.0	-2.92e-05	7.24e-05
2798	305	-0.62	0.69	-0.07	0.0	-1.94e-04	-8.83e-05
2798	307	-0.31	0.82	-0.07	0.0	-1.08e-04	2.84e-05
2798	309	-0.21	0.42	-0.08	0.0	-7.24e-05	1.39e-05
2798	310	-0.32	0.67	-0.08	0.0	-1.07e-04	2.86e-05
2799	16	0.90	0.71	-0.12	0.0	-5.16e-06	5.51e-04
2799	44	-3.14	1.38	-0.07	0.0	-3.91e-04	-1.00e-03
2799	68	-0.58	2.44	-0.08	0.0	-1.76e-04	5.20e-05
2799	123	-10.34	4.10	0.15	0.0	-6.09e-04	-2.10e-04
2799	129	0.03	14.12	0.13	0.0	-1.03e-04	4.41e-04
2799	134	4.24	-11.49	-0.37	0.0	1.42e-04	-1.30e-04
2799	155	-11.57	4.54	0.18	0.0	-6.72e-04	-2.40e-04
2799	161	0.08	15.90	0.16	0.0	-1.03e-04	4.93e-04
2799	166	4.81	-13.12	-0.40	0.0	1.73e-04	-1.52e-04
2799	187	-11.39	4.70	0.18	0.0	-6.62e-04	-2.30e-04
2799	193	0.07	16.48	0.17	0.0	-1.04e-04	5.00e-04
2799	198	4.72	-13.67	-0.41	0.0	1.69e-04	-1.64e-04
2799	219	-13.18	5.52	0.22	0.0	-7.52e-04	-2.69e-04
2799	225	0.14	19.70	0.22	0.0	-1.06e-04	5.90e-04
2799	230	5.55	-16.64	-0.48	0.0	2.16e-04	-2.09e-04
2799	249	0.58	0.51	-0.09	0.0	-9.32e-06	3.69e-04
2799	264	-2.11	0.96	-0.05	0.0	-2.66e-04	-6.69e-04
2799	276	-0.41	1.67	-0.06	0.0	-1.24e-04	3.60e-05
2799	302	-0.08	0.48	-0.08	0.0	-5.78e-05	8.79e-05
2799	305	-0.71	0.79	-0.07	0.0	-1.36e-04	-1.06e-04
2799	307	-0.37	0.93	-0.07	0.0	-1.07e-04	3.51e-05
2799	309	-0.25	0.49	-0.08	0.0	-7.22e-05	1.74e-05
2799	310	-0.37	0.77	-0.08	0.0	-1.07e-04	3.52e-05
2800	44	-2.46	1.03	0.06	0.0	-1.49e-03	-5.25e-04
2800	68	-0.38	1.99	0.11	0.0	-1.61e-04	2.32e-05
2800	72	-0.30	1.83	0.11	0.0	-1.31e-04	1.95e-05
2800	123	-9.58	3.57	0.35	0.0	-9.47e-04	-4.07e-05
2800	129	0.28	12.73	0.85	0.0	-8.49e-05	3.79e-04
2800	155	-10.73	3.97	0.40	0.0	-1.05e-03	-4.72e-05
2800	161	0.34	14.35	0.96	0.0	-8.34e-05	4.26e-04
2800	187	-10.56	4.12	0.41	0.0	-1.03e-03	-4.20e-05
2800	193	0.34	14.88	0.99	0.0	-8.30e-05	4.32e-04
2800	219	-12.24	4.87	0.48	0.0	-1.19e-03	-4.80e-05
2800	225	0.44	17.81	1.19	0.0	-8.14e-05	5.12e-04
2800	264	-1.65	0.72	0.04	0.0	-1.00e-03	-3.49e-04
2800	276	-0.26	1.36	0.07	0.0	-1.13e-04	1.61e-05
2800	305	-0.52	0.58	8.09e-03	0.0	-2.75e-04	-5.66e-05
2800	307	-0.25	0.71	0.01	0.0	-9.74e-05	1.64e-05

2800	308	-0.17	0.28	-0.03	0.0	-6.70e-05	8.14e-06
2800	309	-0.16	0.35	-0.02	0.0	-6.71e-05	8.02e-06
2800	310	-0.25	0.56	3.20e-03	0.0	-9.71e-05	1.67e-05
2801	44	-3.26	1.21	0.06	0.0	-1.04e-03	-8.57e-04
2801	68	-0.46	2.22	0.10	0.0	-1.65e-04	3.99e-05
2801	72	-0.37	2.03	0.10	0.0	-1.34e-04	3.35e-05
2801	123	-10.08	3.84	0.34	0.0	-8.22e-04	-1.41e-04
2801	129	0.24	13.44	0.81	0.0	-8.56e-05	4.12e-04
2801	132	-0.84	-12.10	-0.81	0.0	-1.13e-04	-3.57e-04
2801	155	-11.29	4.27	0.39	0.0	-9.11e-04	-1.62e-04
2801	161	0.30	15.14	0.91	0.0	-8.40e-05	4.61e-04
2801	164	-0.90	-13.80	-0.91	0.0	-1.15e-04	-4.06e-04
2801	187	-11.11	4.42	0.39	0.0	-8.96e-04	-1.54e-04
2801	193	0.30	15.70	0.95	0.0	-8.43e-05	4.68e-04
2801	196	-0.90	-14.35	-0.95	0.0	-1.15e-04	-4.13e-04
2801	219	-12.86	5.20	0.47	0.0	-1.03e-03	-1.80e-04
2801	225	0.40	18.78	1.14	0.0	-8.26e-05	5.53e-04
2801	228	-1.00	-17.44	-1.14	0.0	-1.16e-04	-4.98e-04
2801	264	-2.19	0.84	0.03	0.0	-6.96e-04	-5.70e-04
2801	276	-0.32	1.52	0.06	0.0	-1.15e-04	2.76e-05
2801	305	-0.67	0.69	4.79e-03	0.0	-2.16e-04	-9.23e-05
2801	307	-0.30	0.82	0.01	0.0	-9.98e-05	2.73e-05
2801	308	-0.20	0.35	-0.03	0.0	-6.81e-05	1.35e-05
2801	309	-0.20	0.42	-0.03	0.0	-6.83e-05	1.34e-05
2801	310	-0.30	0.67	-1.97e-04	0.0	-9.95e-05	2.75e-05
2802	44	-3.72	1.38	0.05	0.0	-4.41e-04	-1.02e-03
2802	68	-0.55	2.44	0.09	0.0	-1.68e-04	5.08e-05
2802	72	-0.44	2.21	0.09	0.0	-1.37e-04	4.27e-05
2802	123	-10.48	4.10	0.33	0.0	-6.45e-04	-2.03e-04
2802	129	0.19	14.12	0.65	0.0	-8.77e-05	4.39e-04
2802	130	3.64	-10.64	-0.77	0.0	1.27e-04	-8.56e-05
2802	155	-11.74	4.54	0.37	0.0	-7.12e-04	-2.32e-04
2802	161	0.26	15.90	0.74	0.0	-8.62e-05	4.91e-04
2802	162	4.13	-12.16	-0.87	0.0	1.55e-04	-1.03e-04
2802	187	-11.56	4.70	0.38	0.0	-7.02e-04	-2.22e-04
2802	193	0.26	16.48	0.76	0.0	-8.75e-05	4.99e-04
2802	194	4.03	-12.67	-0.90	0.0	1.51e-04	-1.14e-04
2802	219	-13.37	5.52	0.45	0.0	-7.99e-04	-2.60e-04
2802	225	0.36	19.71	0.92	0.0	-8.61e-05	5.88e-04
2802	226	4.76	-15.44	-1.09	0.0	1.93e-04	-1.50e-04
2802	264	-2.50	0.96	0.03	0.0	-3.00e-04	-6.79e-04
2802	276	-0.39	1.67	0.05	0.0	-1.18e-04	3.51e-05
2802	285	-0.24	0.10	-0.06	0.0	-6.87e-05	1.74e-05
2802	305	-0.77	0.79	-6.91e-04	0.0	-1.39e-04	-1.09e-04
2802	307	-0.35	0.93	4.01e-03	0.0	-1.02e-04	3.42e-05
2802	308	-0.24	0.41	-0.04	0.0	-6.92e-05	1.71e-05
2802	309	-0.24	0.49	-0.03	0.0	-6.93e-05	1.70e-05
2802	310	-0.35	0.77	-5.73e-03	0.0	-1.02e-04	3.44e-05
2803	28	-0.91	1.12	0.42	-2.66e-04	0.0	2.42e-05
2803	44	-1.21	0.97	0.37	-2.32e-04	0.0	2.74e-05
2803	68	-0.29	3.22	0.33	-8.93e-04	0.0	2.70e-05
2803	116	-11.58	-5.21	0.56	3.08e-04	0.0	-3.48e-04
2803	137	4.90	12.41	0.02	-1.07e-03	0.0	2.64e-04
2803	148	-12.99	-5.97	0.61	3.66e-04	0.0	-3.93e-04
2803	169	5.55	13.96	-4.74e-03	-1.19e-03	0.0	2.96e-04
2803	180	-12.87	-6.14	0.60	3.81e-04	0.0	-3.93e-04
2803	201	5.55	14.31	-5.03e-03	-1.21e-03	0.0	2.98e-04
2803	212	-15.05	-7.45	0.67	4.84e-04	0.0	-4.66e-04
2803	233	6.56	16.91	-0.04	-1.42e-03	0.0	3.50e-04
2803	256	-0.61	0.78	0.28	-1.85e-04	0.0	1.66e-05
2803	264	-0.82	0.68	0.25	-1.62e-04	0.0	1.87e-05
2803	276	-0.20	2.17	0.23	-6.03e-04	0.0	1.84e-05
2803	298	-0.22	0.61	0.20	-1.47e-04	0.0	8.77e-06
2803	305	-0.32	0.58	0.19	-1.39e-04	0.0	1.01e-05
2803	307	-0.20	0.88	0.19	-2.27e-04	0.0	1.00e-05
2803	310	-0.21	0.58	0.19	-1.39e-04	0.0	8.21e-06
2804	28	-0.98	1.26	0.41	-2.66e-04	0.0	2.39e-05
2804	44	-1.29	1.10	0.36	-2.32e-04	0.0	2.71e-05
2804	68	-0.33	3.61	0.33	-4.67e-04	0.0	2.49e-05
2804	116	-12.04	-5.36	0.55	2.51e-04	0.0	-3.70e-04
2804	137	5.10	12.95	0.02	-9.51e-04	0.0	2.89e-04
2804	148	-13.51	-6.15	0.59	3.03e-04	0.0	-4.18e-04
2804	169	5.77	14.57	-6.03e-03	-1.06e-03	0.0	3.25e-04
2804	180	-13.39	-6.33	0.59	3.16e-04	0.0	-4.18e-04
2804	201	5.77	14.93	-6.35e-03	-1.08e-03	0.0	3.27e-04

2804	212	-15.65	-7.69	0.66	4.06e-04	0.0	-4.97e-04
2804	233	6.83	17.64	-0.04	-1.26e-03	0.0	3.85e-04
2804	256	-0.66	0.87	0.28	-1.85e-04	0.0	1.64e-05
2804	264	-0.87	0.76	0.24	-1.62e-04	0.0	1.85e-05
2804	276	-0.23	2.44	0.22	-3.19e-04	0.0	1.71e-05
2804	298	-0.24	0.69	0.20	-1.47e-04	0.0	8.54e-06
2804	305	-0.36	0.66	0.19	-1.39e-04	0.0	9.90e-06
2804	307	-0.23	0.99	0.18	-1.71e-04	0.0	9.61e-06
2804	310	-0.23	0.65	0.18	-1.39e-04	0.0	7.98e-06
2805	28	-1.04	1.39	0.40	-2.66e-04	0.0	2.36e-05
2805	44	-1.37	1.21	0.36	-2.32e-04	0.0	2.69e-05
2805	68	-0.37	3.73	0.32	-4.17e-05	0.0	1.71e-05
2805	116	-12.46	-5.47	0.54	1.91e-04	0.0	-3.85e-04
2805	137	5.27	13.40	0.02	-8.26e-04	0.0	3.16e-04
2805	148	-13.98	-6.28	0.58	2.35e-04	0.0	-4.34e-04
2805	169	5.97	15.06	-5.91e-03	-9.16e-04	0.0	3.56e-04
2805	180	-13.86	-6.47	0.58	2.46e-04	0.0	-4.36e-04
2805	201	5.97	15.43	-6.25e-03	-9.35e-04	0.0	3.59e-04
2805	212	-16.19	-7.87	0.65	3.23e-04	0.0	-5.18e-04
2805	233	7.07	18.22	-0.04	-1.09e-03	0.0	4.24e-04
2805	256	-0.71	0.97	0.27	-1.85e-04	0.0	1.62e-05
2805	264	-0.92	0.84	0.24	-1.62e-04	0.0	1.84e-05
2805	276	-0.26	2.53	0.22	-3.53e-05	0.0	1.18e-05
2805	298	-0.27	0.77	0.19	-1.47e-04	0.0	8.37e-06
2805	305	-0.39	0.73	0.18	-1.39e-04	0.0	9.76e-06
2805	307	-0.25	1.06	0.18	-1.14e-04	0.0	8.44e-06
2805	310	-0.26	0.72	0.18	-1.39e-04	0.0	7.80e-06
2806	4	-0.05	0.93	0.09	-2.68e-04	0.0	1.29e-05
2806	44	-1.12	0.80	0.02	-2.33e-04	0.0	2.83e-05
2806	68	-0.24	2.57	0.06	-1.23e-03	0.0	-5.97e-06
2806	113	10.76	5.91	0.34	-6.15e-04	0.0	3.46e-04
2806	116	-11.10	-4.93	-0.30	3.34e-04	0.0	-3.28e-04
2806	137	4.71	11.56	0.17	-1.14e-03	0.0	2.46e-04
2806	145	12.12	6.62	0.38	-6.77e-04	0.0	3.89e-04
2806	148	-12.46	-5.64	-0.34	3.96e-04	0.0	-3.71e-04
2806	169	5.33	13.01	0.19	-1.27e-03	0.0	2.76e-04
2806	177	12.00	6.75	0.38	-6.89e-04	0.0	3.89e-04
2806	180	-12.34	-5.77	-0.34	4.08e-04	0.0	-3.71e-04
2806	201	5.33	13.33	0.19	-1.30e-03	0.0	2.77e-04
2806	209	14.09	7.95	0.44	-7.96e-04	0.0	4.58e-04
2806	212	-14.43	-6.97	-0.40	5.15e-04	0.0	-4.41e-04
2806	233	6.30	15.76	0.22	-1.52e-03	0.0	3.25e-04
2806	244	-0.04	0.65	0.06	-1.86e-04	0.0	9.10e-06
2806	264	-0.76	0.56	0.01	-1.63e-04	0.0	1.94e-05
2806	276	-0.17	1.74	0.04	-8.28e-04	0.0	-3.48e-06
2806	298	-0.18	0.52	0.03	-1.48e-04	0.0	9.49e-06
2806	305	-0.28	0.49	0.02	-1.40e-04	0.0	1.08e-05
2806	307	-0.17	0.73	0.02	-2.73e-04	0.0	6.19e-06
2806	310	-0.17	0.49	0.02	-1.40e-04	0.0	8.91e-06
2807	4	-0.10	1.07	0.09	-2.68e-04	0.0	1.20e-05
2807	44	-1.21	0.93	0.03	-2.33e-04	0.0	2.78e-05
2807	68	-0.29	3.21	0.07	-9.04e-04	0.0	-1.90e-05
2807	113	11.17	6.24	0.36	-5.73e-04	0.0	3.65e-04
2807	116	-11.58	-5.11	-0.32	2.92e-04	0.0	-3.48e-04
2807	137	4.90	12.16	0.18	-1.05e-03	0.0	2.46e-04
2807	145	12.58	6.97	0.40	-6.29e-04	0.0	4.09e-04
2807	148	-12.99	-5.84	-0.36	3.48e-04	0.0	-3.92e-04
2807	169	5.55	13.68	0.20	-1.17e-03	0.0	2.77e-04
2807	177	12.46	7.11	0.40	-6.41e-04	0.0	4.09e-04
2807	180	-12.87	-5.98	-0.36	3.60e-04	0.0	-3.92e-04
2807	201	5.55	14.01	0.20	-1.19e-03	0.0	2.77e-04
2807	209	14.64	8.37	0.46	-7.39e-04	0.0	4.82e-04
2807	212	-15.05	-7.24	-0.42	4.58e-04	0.0	-4.65e-04
2807	233	6.56	16.55	0.24	-1.39e-03	0.0	3.25e-04
2807	244	-0.08	0.74	0.06	-1.86e-04	0.0	8.50e-06
2807	264	-0.82	0.65	0.01	-1.63e-04	0.0	1.90e-05
2807	276	-0.20	2.17	0.04	-6.10e-04	0.0	-1.22e-05
2807	298	-0.21	0.60	0.03	-1.48e-04	0.0	9.09e-06
2807	305	-0.32	0.57	0.02	-1.40e-04	0.0	1.04e-05
2807	307	-0.20	0.87	0.02	-2.30e-04	0.0	4.16e-06
2807	310	-0.20	0.57	0.02	-1.40e-04	0.0	8.52e-06
2808	4	-0.15	1.22	0.10	-2.68e-04	0.0	1.11e-05
2808	44	-1.29	1.05	0.03	-2.33e-04	0.0	2.72e-05
2808	68	-0.33	3.61	0.07	-4.74e-04	0.0	-2.44e-05
2808	113	11.58	6.53	0.37	-5.14e-04	0.0	3.79e-04

2808	116	-12.04	-5.25	-0.33	2.33e-04	0.0	-3.62e-04
2808	137	5.10	12.70	0.19	-9.24e-04	0.0	2.44e-04
2808	145	13.04	7.30	0.42	-5.63e-04	0.0	4.25e-04
2808	148	-13.51	-6.01	-0.37	2.82e-04	0.0	-4.09e-04
2808	169	5.77	14.28	0.21	-1.03e-03	0.0	2.74e-04
2808	177	12.92	7.44	0.41	-5.74e-04	0.0	4.24e-04
2808	180	-13.39	-6.16	-0.37	2.93e-04	0.0	-4.08e-04
2808	201	5.77	14.62	0.21	-1.05e-03	0.0	2.73e-04
2808	209	15.18	8.75	0.48	-6.59e-04	0.0	5.00e-04
2808	212	-15.65	-7.47	-0.44	3.78e-04	0.0	-4.84e-04
2808	233	6.83	17.26	0.24	-1.22e-03	0.0	3.20e-04
2808	244	-0.11	0.84	0.06	-1.86e-04	0.0	7.85e-06
2808	264	-0.87	0.73	0.01	-1.63e-04	0.0	1.86e-05
2808	276	-0.23	2.44	0.04	-3.23e-04	0.0	-1.58e-05
2808	298	-0.24	0.68	0.03	-1.48e-04	0.0	8.66e-06
2808	305	-0.36	0.64	0.02	-1.40e-04	0.0	1.00e-05
2808	307	-0.23	0.98	0.02	-1.72e-04	0.0	3.12e-06
2808	310	-0.23	0.64	0.02	-1.40e-04	0.0	8.09e-06
2809	11	-0.19	1.48	-0.24	0.0	-2.19e-04	3.95e-04
2809	44	-2.63	1.54	-0.17	0.0	-8.61e-05	-1.07e-03
2809	68	-0.70	2.64	-0.22	0.0	-1.79e-04	5.79e-05
2809	123	-10.45	4.33	0.07	0.0	-4.98e-04	-2.27e-04
2809	125	8.66	5.04	-0.42	0.0	2.33e-04	4.20e-04
2809	129	-0.20	14.74	-0.30	0.0	-1.18e-04	4.58e-04
2809	155	-11.69	4.79	0.10	0.0	-5.46e-04	-2.59e-04
2809	157	9.79	5.59	-0.45	0.0	2.75e-04	4.68e-04
2809	161	-0.18	16.58	-0.32	0.0	-1.20e-04	5.12e-04
2809	187	-11.51	4.96	0.09	0.0	-5.39e-04	-2.49e-04
2809	189	9.64	5.71	-0.45	0.0	2.68e-04	4.61e-04
2809	193	-0.18	17.19	-0.32	0.0	-1.22e-04	5.20e-04
2809	219	-13.31	5.81	0.13	0.0	-6.10e-04	-2.91e-04
2809	221	11.28	6.62	-0.50	0.0	3.29e-04	5.30e-04
2809	225	-0.15	20.54	-0.36	0.0	-1.27e-04	6.12e-04
2809	247	-0.15	1.03	-0.18	0.0	-1.52e-04	2.65e-04
2809	264	-1.78	1.07	-0.13	0.0	-6.35e-05	-7.13e-04
2809	276	-0.49	1.80	-0.16	0.0	-1.26e-04	4.01e-05
2809	301	-0.46	0.89	-0.15	0.0	-1.12e-04	3.81e-05
2809	305	-0.70	0.88	-0.13	0.0	-9.59e-05	-1.12e-04
2809	307	-0.45	1.03	-0.14	0.0	-1.08e-04	3.87e-05
2809	310	-0.45	0.87	-0.14	0.0	-1.08e-04	3.87e-05
2810	11	-0.32	1.64	-0.25	0.0	-2.81e-04	3.29e-04
2810	44	-2.60	1.68	-0.17	0.0	1.32e-04	-8.52e-04
2810	68	-0.79	2.82	-0.22	0.0	-1.76e-04	5.72e-05
2810	123	-10.67	4.53	0.07	0.0	-4.26e-04	-1.64e-04
2810	125	8.76	5.26	-0.42	0.0	1.71e-04	3.60e-04
2810	129	-0.26	15.29	-0.30	0.0	-1.16e-04	4.62e-04
2810	155	-11.94	5.01	0.10	0.0	-4.66e-04	-1.88e-04
2810	157	9.91	5.83	-0.46	0.0	2.05e-04	4.01e-04
2810	161	-0.23	17.20	-0.32	0.0	-1.18e-04	5.17e-04
2810	187	-11.75	5.19	0.09	0.0	-4.61e-04	-1.79e-04
2810	189	9.75	5.95	-0.45	0.0	2.00e-04	3.95e-04
2810	193	-0.24	17.82	-0.33	0.0	-1.21e-04	5.25e-04
2810	219	-13.59	6.07	0.13	0.0	-5.19e-04	-2.10e-04
2810	221	11.42	6.90	-0.51	0.0	2.49e-04	4.54e-04
2810	225	-0.21	21.28	-0.36	0.0	-1.26e-04	6.19e-04
2810	247	-0.24	1.14	-0.18	0.0	-1.93e-04	2.21e-04
2810	264	-1.76	1.17	-0.13	0.0	8.21e-05	-5.67e-04
2810	276	-0.55	1.93	-0.16	0.0	-1.23e-04	3.97e-05
2810	301	-0.52	0.98	-0.15	0.0	-1.10e-04	3.73e-05
2810	305	-0.74	0.97	-0.14	0.0	-6.47e-05	-8.37e-05
2810	307	-0.50	1.12	-0.14	0.0	-1.06e-04	3.75e-05
2810	310	-0.50	0.95	-0.14	0.0	-1.05e-04	3.76e-05
2811	16	0.84	0.81	-0.13	0.0	-2.20e-04	5.40e-04
2811	44	-3.22	1.54	-0.07	0.0	4.04e-05	-9.73e-04
2811	68	-0.67	2.64	-0.08	0.0	-1.75e-04	5.65e-05
2811	123	-10.61	4.33	0.15	0.0	-4.65e-04	-2.21e-04
2811	129	-0.02	14.74	0.14	0.0	-1.04e-04	4.58e-04
2811	134	4.29	-11.88	-0.38	0.0	7.96e-05	-1.31e-04
2811	155	-11.87	4.79	0.18	0.0	-5.10e-04	-2.53e-04
2811	161	0.03	16.58	0.17	0.0	-1.04e-04	5.12e-04
2811	166	4.88	-13.57	-0.42	0.0	1.03e-04	-1.54e-04
2811	187	-11.69	4.96	0.18	0.0	-5.03e-04	-2.43e-04
2811	193	0.02	17.19	0.18	0.0	-1.07e-04	5.19e-04
2811	198	4.78	-14.14	-0.43	0.0	1.01e-04	-1.66e-04
2811	219	-13.52	5.81	0.23	0.0	-5.68e-04	-2.84e-04

2811	225	0.09	20.54	0.24	0.0	-1.09e-04	6.12e-04
2811	230	5.64	-17.23	-0.50	0.0	1.37e-04	-2.13e-04
2811	249	0.54	0.58	-0.09	0.0	-1.52e-04	3.61e-04
2811	264	-2.17	1.07	-0.06	0.0	2.11e-05	-6.47e-04
2811	276	-0.47	1.80	-0.06	0.0	-1.23e-04	3.92e-05
2811	302	-0.11	0.55	-0.08	0.0	-8.62e-05	8.78e-05
2811	305	-0.77	0.88	-0.07	0.0	-7.77e-05	-9.97e-05
2811	307	-0.43	1.03	-0.07	0.0	-1.06e-04	3.76e-05
2811	309	-0.28	0.56	-0.08	0.0	-7.19e-05	1.92e-05
2811	310	-0.43	0.87	-0.08	0.0	-1.06e-04	3.77e-05
2812	16	0.66	0.91	-0.13	0.0	-4.14e-04	4.34e-04
2812	44	-3.07	1.70	-0.07	0.0	4.30e-04	-7.54e-04
2812	68	-0.76	2.84	-0.08	0.0	-1.74e-04	5.79e-05
2812	123	-10.79	4.55	0.16	0.0	-3.29e-04	-1.84e-04
2812	129	-0.07	15.34	0.15	0.0	-1.08e-04	4.67e-04
2812	134	4.31	-12.25	-0.39	0.0	2.35e-05	-1.53e-04
2812	155	-12.07	5.03	0.19	0.0	-3.57e-04	-2.11e-04
2812	161	-0.02	17.25	0.18	0.0	-1.09e-04	5.22e-04
2812	166	4.90	-14.01	-0.43	0.0	3.98e-05	-1.79e-04
2812	187	-11.89	5.21	0.19	0.0	-3.53e-04	-2.01e-04
2812	193	-0.03	17.88	0.19	0.0	-1.11e-04	5.30e-04
2812	198	4.81	-14.60	-0.44	0.0	3.97e-05	-1.91e-04
2812	219	-13.74	6.09	0.23	0.0	-3.94e-04	-2.36e-04
2812	225	0.04	21.35	0.25	0.0	-1.14e-04	6.24e-04
2812	230	5.68	-17.80	-0.51	0.0	6.53e-05	-2.42e-04
2812	249	0.41	0.66	-0.10	0.0	-2.82e-04	2.91e-04
2812	264	-2.07	1.18	-0.06	0.0	2.81e-04	-5.01e-04
2812	276	-0.53	1.94	-0.06	0.0	-1.22e-04	4.02e-05
2812	302	-0.17	0.61	-0.08	0.0	-1.12e-04	7.44e-05
2812	305	-0.79	0.98	-0.07	0.0	-2.52e-05	-7.06e-05
2812	307	-0.48	1.13	-0.07	0.0	-1.06e-04	3.77e-05
2812	309	-0.32	0.62	-0.08	0.0	-7.16e-05	2.02e-05
2812	310	-0.48	0.96	-0.08	0.0	-1.05e-04	3.77e-05
2813	44	-3.78	1.54	0.04	0.0	1.53e-04	-9.86e-04
2813	68	-0.64	2.65	0.07	0.0	-1.71e-04	5.59e-05
2813	89	-0.38	0.16	-0.08	0.0	-9.55e-05	2.67e-05
2813	123	-10.76	4.33	0.31	0.0	-4.54e-04	-2.21e-04
2813	129	0.15	14.73	0.60	0.0	-9.18e-05	4.57e-04
2813	130	3.69	-10.97	-0.74	0.0	6.25e-05	-8.48e-05
2813	155	-12.05	4.79	0.35	0.0	-4.98e-04	-2.52e-04
2813	161	0.22	16.57	0.68	0.0	-9.07e-05	5.12e-04
2813	162	4.19	-12.55	-0.83	0.0	8.32e-05	-1.02e-04
2813	187	-11.86	4.96	0.36	0.0	-4.91e-04	-2.42e-04
2813	193	0.22	17.18	0.71	0.0	-9.28e-05	5.19e-04
2813	194	4.09	-13.08	-0.86	0.0	8.12e-05	-1.14e-04
2813	219	-13.72	5.81	0.43	0.0	-5.54e-04	-2.83e-04
2813	225	0.32	20.52	0.86	0.0	-9.22e-05	6.12e-04
2813	226	4.84	-15.96	-1.04	0.0	1.13e-04	-1.51e-04
2813	264	-2.54	1.07	0.02	0.0	9.66e-05	-6.56e-04
2813	276	-0.45	1.81	0.04	0.0	-1.20e-04	3.87e-05
2813	285	-0.28	0.15	-0.06	0.0	-6.93e-05	1.93e-05
2813	305	-0.82	0.89	-9.02e-03	0.0	-6.10e-05	-1.02e-04
2813	307	-0.40	1.03	-4.93e-03	0.0	-1.04e-04	3.71e-05
2813	308	-0.27	0.48	-0.04	0.0	-6.99e-05	1.91e-05
2813	309	-0.27	0.56	-0.04	0.0	-7.00e-05	1.90e-05
2813	310	-0.41	0.87	-0.01	0.0	-1.04e-04	3.72e-05
2814	44	-3.50	1.74	0.02	0.0	6.93e-04	-7.78e-04
2814	68	-0.72	2.90	0.04	0.0	-1.72e-04	5.74e-05
2814	89	-0.43	0.24	-0.09	0.0	-9.58e-05	2.79e-05
2814	123	-10.94	4.60	0.29	0.0	-2.52e-04	-2.07e-04
2814	129	0.11	15.45	0.54	0.0	-1.03e-04	4.69e-04
2814	130	3.70	-11.37	-0.70	0.0	2.63e-06	-9.40e-05
2814	155	-12.24	5.09	0.33	0.0	-2.70e-04	-2.37e-04
2814	161	0.17	17.38	0.62	0.0	-1.03e-04	5.25e-04
2814	162	4.21	-13.02	-0.79	0.0	1.61e-05	-1.13e-04
2814	187	-12.05	5.26	0.33	0.0	-2.68e-04	-2.26e-04
2814	193	0.17	18.01	0.65	0.0	-1.05e-04	5.33e-04
2814	194	4.11	-13.57	-0.82	0.0	1.53e-05	-1.25e-04
2814	219	-13.93	6.15	0.40	0.0	-2.95e-04	-2.65e-04
2814	225	0.27	21.50	0.78	0.0	-1.06e-04	6.28e-04
2814	226	4.87	-16.57	-0.98	0.0	3.64e-05	-1.64e-04
2814	264	-2.36	1.21	2.88e-03	0.0	4.56e-04	-5.17e-04
2814	276	-0.51	1.98	0.02	0.0	-1.20e-04	3.98e-05
2814	285	-0.31	0.21	-0.07	0.0	-6.95e-05	2.02e-05
2814	305	-0.83	1.01	-0.02	0.0	1.01e-05	-7.40e-05

2814	307	-0.46	1.16	-0.02	0.0	-1.05e-04	3.73e-05
2814	308	-0.31	0.55	-0.05	0.0	-7.01e-05	2.01e-05
2814	309	-0.31	0.64	-0.05	0.0	-7.02e-05	2.01e-05
2814	310	-0.46	0.99	-0.03	0.0	-1.05e-04	3.74e-05
2815	28	-1.12	1.53	0.40	-2.66e-04	0.0	2.37e-05
2815	44	-1.45	1.33	0.36	-2.32e-04	0.0	2.70e-05
2815	68	-0.42	3.62	0.32	3.41e-04	0.0	3.33e-06
2815	116	-12.88	-5.55	0.53	1.34e-04	0.0	-3.99e-04
2815	137	5.43	13.77	0.01	-7.07e-04	0.0	3.46e-04
2815	148	-14.45	-6.37	0.58	1.71e-04	0.0	-4.50e-04
2815	169	6.16	15.47	-6.18e-03	-7.81e-04	0.0	3.90e-04
2815	180	-14.32	-6.56	0.57	1.81e-04	0.0	-4.53e-04
2815	201	6.16	15.85	-6.56e-03	-7.97e-04	0.0	3.94e-04
2815	212	-16.73	-8.01	0.64	2.45e-04	0.0	-5.38e-04
2815	233	7.30	18.71	-0.04	-9.22e-04	0.0	4.66e-04
2815	256	-0.76	1.06	0.27	-1.85e-04	0.0	1.62e-05
2815	264	-0.98	0.93	0.24	-1.62e-04	0.0	1.85e-05
2815	276	-0.29	2.45	0.22	2.20e-04	0.0	2.67e-06
2815	298	-0.31	0.84	0.19	-1.47e-04	0.0	8.37e-06
2815	305	-0.42	0.80	0.18	-1.39e-04	0.0	9.77e-06
2815	307	-0.29	1.10	0.18	-6.30e-05	0.0	6.61e-06
2815	310	-0.29	0.79	0.18	-1.39e-04	0.0	7.79e-06
2816	28	-1.12	1.66	0.40	-2.66e-04	0.0	2.45e-05
2816	44	-1.45	1.44	0.36	-2.32e-04	0.0	2.78e-05
2816	68	-0.41	3.31	0.33	6.22e-04	0.0	-2.37e-05
2816	116	-12.98	-5.59	0.53	9.48e-05	0.0	-3.99e-04
2816	137	5.49	14.08	0.02	-6.21e-04	0.0	3.26e-04
2816	148	-14.56	-6.43	0.57	1.26e-04	0.0	-4.50e-04
2816	169	6.22	15.81	-2.42e-03	-6.84e-04	0.0	3.67e-04
2816	180	-14.43	-6.62	0.57	1.35e-04	0.0	-4.51e-04
2816	201	6.22	16.20	-2.82e-03	-6.98e-04	0.0	3.71e-04
2816	212	-16.86	-8.09	0.63	1.90e-04	0.0	-5.36e-04
2816	233	7.37	19.11	-0.04	-8.04e-04	0.0	4.37e-04
2816	256	-0.76	1.15	0.27	-1.85e-04	0.0	1.68e-05
2816	264	-0.98	1.01	0.24	-1.62e-04	0.0	1.90e-05
2816	276	-0.29	2.25	0.22	4.07e-04	0.0	-1.53e-05
2816	301	-0.30	0.89	0.19	-1.45e-04	0.0	8.29e-06
2816	305	-0.42	0.87	0.18	-1.39e-04	0.0	1.02e-05
2816	307	-0.28	1.12	0.18	-2.55e-05	0.0	3.34e-06
2816	310	-0.29	0.86	0.18	-1.39e-04	0.0	8.20e-06
2817	4	-0.18	1.35	0.10	-2.68e-04	0.0	1.01e-05
2817	44	-1.36	1.17	0.03	-2.33e-04	0.0	2.66e-05
2817	68	-0.36	3.74	0.07	-4.15e-05	0.0	-2.15e-05
2817	113	11.94	6.77	0.38	-4.52e-04	0.0	3.88e-04
2817	116	-12.46	-5.35	-0.34	1.71e-04	0.0	-3.72e-04
2817	137	5.27	13.12	0.19	-7.88e-04	0.0	2.38e-04
2817	145	13.46	7.56	0.43	-4.93e-04	0.0	4.35e-04
2817	148	-13.98	-6.14	-0.38	2.12e-04	0.0	-4.20e-04
2817	169	5.97	14.75	0.22	-8.73e-04	0.0	2.68e-04
2817	177	13.34	7.71	0.42	-5.03e-04	0.0	4.34e-04
2817	180	-13.86	-6.28	-0.38	2.22e-04	0.0	-4.19e-04
2817	201	5.97	15.10	0.22	-8.91e-04	0.0	2.66e-04
2817	209	15.67	9.06	0.49	-5.75e-04	0.0	5.11e-04
2817	212	-16.19	-7.64	-0.45	2.94e-04	0.0	-4.96e-04
2817	233	7.07	17.83	0.25	-1.03e-03	0.0	3.11e-04
2817	244	-0.14	0.94	0.06	-1.86e-04	0.0	7.15e-06
2817	264	-0.92	0.82	0.01	-1.63e-04	0.0	1.82e-05
2817	276	-0.26	2.53	0.04	-3.52e-05	0.0	-1.39e-05
2817	298	-0.27	0.75	0.03	-1.48e-04	0.0	8.18e-06
2817	305	-0.39	0.71	0.02	-1.40e-04	0.0	9.58e-06
2817	307	-0.25	1.05	0.02	-1.15e-04	0.0	3.16e-06
2817	310	-0.26	0.71	0.02	-1.41e-04	0.0	7.62e-06
2818	4	-0.21	1.49	0.10	-2.68e-04	0.0	8.76e-06
2818	44	-1.43	1.29	0.03	-2.33e-04	0.0	2.58e-05
2818	68	-0.39	3.62	0.07	3.50e-04	0.0	-9.37e-06
2818	113	12.29	6.97	0.39	-3.95e-04	0.0	3.93e-04
2818	116	-12.84	-5.41	-0.35	1.14e-04	0.0	-3.79e-04
2818	137	5.44	13.47	0.20	-6.59e-04	0.0	2.34e-04
2818	145	13.85	7.78	0.44	-4.29e-04	0.0	4.41e-04
2818	148	-14.40	-6.22	-0.39	1.47e-04	0.0	-4.27e-04
2818	169	6.16	15.14	0.22	-7.27e-04	0.0	2.63e-04
2818	177	13.72	7.93	0.43	-4.37e-04	0.0	4.40e-04
2818	180	-14.28	-6.37	-0.39	1.56e-04	0.0	-4.26e-04
2818	201	6.17	15.50	0.22	-7.42e-04	0.0	2.60e-04
2818	209	16.13	9.31	0.51	-4.97e-04	0.0	5.18e-04

2818	212	-16.68	-7.75	-0.46	2.15e-04	0.0	-5.04e-04
2818	233	7.31	18.28	0.26	-8.56e-04	0.0	3.05e-04
2818	244	-0.16	1.03	0.06	-1.87e-04	0.0	6.24e-06
2818	264	-0.97	0.90	0.01	-1.63e-04	0.0	1.76e-05
2818	276	-0.28	2.45	0.04	2.26e-04	0.0	-5.85e-06
2818	298	-0.29	0.83	0.03	-1.48e-04	0.0	7.56e-06
2818	305	-0.41	0.78	0.02	-1.40e-04	0.0	9.01e-06
2818	307	-0.27	1.09	0.02	-6.27e-05	0.0	4.32e-06
2818	310	-0.28	0.78	0.02	-1.41e-04	0.0	7.01e-06
2819	11	-0.48	1.72	-0.25	0.0	-3.31e-04	2.18e-04
2819	44	-2.46	1.76	-0.17	0.0	3.04e-04	-4.75e-04
2819	68	-0.88	2.92	-0.23	0.0	-1.74e-04	5.73e-05
2819	123	-10.86	4.65	0.07	0.0	-3.73e-04	-4.69e-05
2819	125	8.82	5.38	-0.42	0.0	1.24e-04	2.48e-04
2819	129	-0.31	15.59	-0.30	0.0	-1.16e-04	4.64e-04
2819	155	-12.14	5.14	0.10	0.0	-4.07e-04	-5.65e-05
2819	157	9.99	5.96	-0.46	0.0	1.53e-04	2.75e-04
2819	161	-0.28	17.53	-0.32	0.0	-1.18e-04	5.19e-04
2819	187	-11.95	5.31	0.09	0.0	-4.03e-04	-4.98e-05
2819	189	9.83	6.09	-0.46	0.0	1.48e-04	2.71e-04
2819	193	-0.30	18.16	-0.33	0.0	-1.21e-04	5.27e-04
2819	219	-13.81	6.21	0.13	0.0	-4.52e-04	-5.95e-05
2819	221	11.52	7.05	-0.51	0.0	1.88e-04	3.10e-04
2819	225	-0.27	21.69	-0.36	0.0	-1.27e-04	6.22e-04
2819	247	-0.35	1.20	-0.18	0.0	-2.26e-04	1.47e-04
2819	264	-1.67	1.23	-0.13	0.0	1.96e-04	-3.15e-04
2819	276	-0.61	2.00	-0.16	0.0	-1.22e-04	3.99e-05
2819	301	-0.57	1.03	-0.15	0.0	-1.08e-04	3.67e-05
2819	305	-0.76	1.02	-0.14	0.0	-4.06e-05	-3.45e-05
2819	307	-0.55	1.17	-0.14	0.0	-1.04e-04	3.64e-05
2819	310	-0.55	1.00	-0.14	0.0	-1.04e-04	3.64e-05
2820	11	-0.68	1.80	-0.25	0.0	-3.58e-04	1.08e-04
2820	44	-2.20	1.83	-0.17	0.0	3.98e-04	-9.81e-05
2820	68	-0.96	3.00	-0.23	0.0	-1.74e-04	5.80e-05
2820	123	-11.02	4.73	0.07	0.0	-3.53e-04	8.01e-05
2820	125	8.87	5.47	-0.42	0.0	1.06e-04	1.27e-04
2820	129	-0.37	15.78	-0.30	0.0	-1.16e-04	4.65e-04
2820	155	-12.31	5.23	0.10	0.0	-3.84e-04	8.63e-05
2820	157	10.04	6.05	-0.46	0.0	1.32e-04	1.39e-04
2820	161	-0.34	17.75	-0.33	0.0	-1.18e-04	5.20e-04
2820	187	-12.13	5.40	0.09	0.0	-3.80e-04	9.07e-05
2820	189	9.88	6.18	-0.46	0.0	1.28e-04	1.37e-04
2820	193	-0.35	18.39	-0.33	0.0	-1.22e-04	5.27e-04
2820	219	-14.00	6.31	0.13	0.0	-4.26e-04	1.04e-04
2820	221	11.59	7.15	-0.51	0.0	1.65e-04	1.54e-04
2820	225	-0.33	21.95	-0.36	0.0	-1.27e-04	6.22e-04
2820	247	-0.48	1.25	-0.18	0.0	-2.45e-04	7.37e-05
2820	264	-1.50	1.27	-0.13	0.0	2.59e-04	-6.36e-05
2820	276	-0.67	2.06	-0.16	0.0	-1.22e-04	4.05e-05
2820	301	-0.62	1.07	-0.15	0.0	-1.08e-04	3.66e-05
2820	305	-0.77	1.05	-0.14	0.0	-2.76e-05	1.49e-05
2820	307	-0.60	1.21	-0.14	0.0	-1.04e-04	3.57e-05
2820	310	-0.61	1.04	-0.14	0.0	-1.03e-04	3.57e-05
2821	16	0.38	0.95	-0.13	0.0	-5.60e-04	2.52e-04
2821	44	-2.71	1.77	-0.07	0.0	7.23e-04	-3.84e-04
2821	68	-0.84	2.93	-0.08	0.0	-1.74e-04	5.84e-05
2821	123	-10.91	4.65	0.16	0.0	-2.29e-04	-5.28e-05
2821	129	-0.12	15.60	0.16	0.0	-1.14e-04	4.67e-04
2821	134	4.30	-12.41	-0.40	0.0	-1.48e-05	-2.11e-04
2821	155	-12.20	5.14	0.19	0.0	-2.45e-04	-6.32e-05
2821	161	-0.07	17.54	0.19	0.0	-1.16e-04	5.22e-04
2821	166	4.90	-14.20	-0.44	0.0	-3.34e-06	-2.44e-04
2821	187	-12.01	5.31	0.19	0.0	-2.43e-04	-5.63e-05
2821	193	-0.08	18.18	0.20	0.0	-1.18e-04	5.30e-04
2821	198	4.80	-14.79	-0.45	0.0	-2.96e-06	-2.55e-04
2821	219	-13.88	6.21	0.24	0.0	-2.66e-04	-6.71e-05
2821	225	-0.01	21.70	0.26	0.0	-1.22e-04	6.25e-04
2821	230	5.68	-18.04	-0.52	0.0	1.55e-05	-3.17e-04
2821	249	0.23	0.69	-0.10	0.0	-3.79e-04	1.70e-04
2821	264	-1.83	1.23	-0.06	0.0	4.76e-04	-2.54e-04
2821	276	-0.59	2.00	-0.06	0.0	-1.21e-04	4.07e-05
2821	302	-0.23	0.64	-0.08	0.0	-1.31e-04	5.08e-05
2821	305	-0.78	1.02	-0.07	0.0	1.44e-05	-2.20e-05
2821	307	-0.53	1.17	-0.08	0.0	-1.05e-04	3.70e-05
2821	309	-0.35	0.65	-0.08	0.0	-7.14e-05	2.13e-05

2821	310	-0.53	1.00	-0.08	0.0	-1.05e-04	3.69e-05
2822	16	5.71e-03	0.99	-0.13	0.0	-6.39e-04	8.51e-05
2822	44	-2.16	1.82	-0.07	0.0	8.82e-04	-4.35e-05
2822	68	-0.93	3.00	-0.08	0.0	-1.73e-04	5.88e-05
2822	123	-10.98	4.73	0.16	0.0	-1.91e-04	8.09e-05
2822	129	-0.17	15.78	0.16	0.0	-1.18e-04	4.67e-04
2822	134	4.26	-12.51	-0.40	0.0	-2.82e-05	-2.70e-04
2822	155	-12.27	5.22	0.19	0.0	-2.02e-04	8.72e-05
2822	161	-0.12	17.74	0.19	0.0	-1.20e-04	5.22e-04
2822	166	4.86	-14.31	-0.44	0.0	-1.85e-05	-3.11e-04
2822	187	-12.08	5.40	0.19	0.0	-2.00e-04	9.16e-05
2822	193	-0.13	18.38	0.20	0.0	-1.22e-04	5.29e-04
2822	198	4.77	-14.92	-0.45	0.0	-1.82e-05	-3.20e-04
2822	219	-13.95	6.30	0.24	0.0	-2.16e-04	1.05e-04
2822	225	-0.06	21.94	0.26	0.0	-1.26e-04	6.25e-04
2822	230	5.65	-18.20	-0.53	0.0	-2.31e-06	-3.92e-04
2822	249	-0.03	0.71	-0.10	0.0	-4.32e-04	5.87e-05
2822	264	-1.47	1.27	-0.06	0.0	5.82e-04	-2.71e-05
2822	276	-0.65	2.05	-0.06	0.0	-1.21e-04	4.11e-05
2822	302	-0.31	0.66	-0.08	0.0	-1.41e-04	2.91e-05
2822	305	-0.75	1.05	-0.07	0.0	3.59e-05	2.25e-05
2822	307	-0.58	1.21	-0.08	0.0	-1.05e-04	3.62e-05
2822	309	-0.39	0.67	-0.08	0.0	-7.12e-05	2.23e-05
2822	310	-0.58	1.03	-0.08	0.0	-1.04e-04	3.61e-05
2823	44	-2.88	1.78	2.17e-03	0.0	1.07e-03	-3.24e-04
2823	68	-0.81	2.94	0.02	0.0	-1.72e-04	5.85e-05
2823	89	-0.48	0.25	-0.10	0.0	-9.56e-05	2.95e-05
2823	123	-10.97	4.66	0.27	0.0	-9.45e-05	-5.84e-05
2823	129	0.06	15.61	0.51	0.0	-1.24e-04	4.68e-04
2823	130	3.66	-11.47	-0.68	0.0	-2.89e-05	-1.37e-04
2823	155	-12.27	5.15	0.31	0.0	-9.32e-05	-6.95e-05
2823	161	0.13	17.55	0.58	0.0	-1.27e-04	5.24e-04
2823	162	4.17	-13.13	-0.76	0.0	-1.96e-05	-1.61e-04
2823	187	-12.08	5.32	0.31	0.0	-9.39e-05	-6.25e-05
2823	193	0.13	18.19	0.60	0.0	-1.26e-04	5.31e-04
2823	194	4.07	-13.69	-0.79	0.0	-2.20e-05	-1.72e-04
2823	219	-13.96	6.22	0.38	0.0	-9.24e-05	-7.43e-05
2823	225	0.23	21.71	0.74	0.0	-1.30e-04	6.27e-04
2823	226	4.83	-16.72	-0.94	0.0	-7.53e-06	-2.19e-04
2823	264	-1.95	1.24	-7.22e-03	0.0	7.05e-04	-2.14e-04
2823	276	-0.57	2.01	6.54e-03	0.0	-1.21e-04	4.08e-05
2823	285	-0.35	0.22	-0.07	0.0	-6.94e-05	2.14e-05
2823	305	-0.79	1.02	-0.03	0.0	5.96e-05	-1.40e-05
2823	307	-0.51	1.18	-0.03	0.0	-1.06e-04	3.69e-05
2823	308	-0.34	0.56	-0.06	0.0	-6.99e-05	2.14e-05
2823	309	-0.34	0.65	-0.05	0.0	-7.01e-05	2.14e-05
2823	310	-0.51	1.01	-0.04	0.0	-1.05e-04	3.69e-05
2824	44	-2.11	1.82	-2.80e-03	0.0	1.34e-03	1.61e-04
2824	68	-0.89	2.99	0.02	0.0	-1.72e-04	5.87e-05
2824	89	-0.53	0.27	-0.10	0.0	-9.51e-05	3.06e-05
2824	123	-10.95	4.72	0.26	0.0	-6.15e-06	8.70e-05
2824	129	0.02	15.77	0.49	0.0	-1.74e-04	4.67e-04
2824	130	3.60	-11.56	-0.67	0.0	-6.85e-05	-1.81e-04
2824	155	-12.23	5.21	0.30	0.0	6.21e-06	9.41e-05
2824	161	0.09	17.73	0.57	0.0	-1.82e-04	5.23e-04
2824	162	4.11	-13.24	-0.76	0.0	-6.43e-05	-2.10e-04
2824	187	-12.04	5.39	0.31	0.0	4.53e-06	9.85e-05
2824	193	0.08	18.37	0.59	0.0	-1.77e-04	5.30e-04
2824	194	4.02	-13.80	-0.78	0.0	-6.69e-05	-2.20e-04
2824	219	-13.91	6.30	0.37	0.0	2.21e-05	1.13e-04
2824	225	0.19	21.93	0.72	0.0	-1.89e-04	6.26e-04
2824	226	4.78	-16.86	-0.93	0.0	-6.03e-05	-2.76e-04
2824	264	-1.44	1.26	-0.01	0.0	8.87e-04	1.09e-04
2824	276	-0.63	2.05	2.21e-03	0.0	-1.20e-04	4.11e-05
2824	285	-0.38	0.23	-0.08	0.0	-6.90e-05	2.23e-05
2824	305	-0.72	1.05	-0.04	0.0	9.61e-05	4.94e-05
2824	307	-0.56	1.20	-0.03	0.0	-1.05e-04	3.58e-05
2824	308	-0.38	0.58	-0.06	0.0	-6.95e-05	2.25e-05
2824	309	-0.38	0.66	-0.06	0.0	-6.96e-05	2.26e-05
2824	310	-0.56	1.03	-0.04	0.0	-1.05e-04	3.57e-05
2825	35	-1.12	1.67	0.41	-2.54e-04	-8.72e-05	2.43e-05
2825	44	-1.49	1.56	0.37	-2.32e-04	-8.77e-05	3.03e-05
2825	68	-0.43	2.83	0.34	7.61e-04	-5.62e-05	1.93e-05
2825	116	-13.15	-5.61	0.52	8.09e-05	-3.84e-04	-3.92e-04
2825	137	5.55	14.35	0.03	-5.90e-04	1.40e-04	2.95e-04

2825	148	-14.75	-6.47	0.56	1.10e-04	-4.27e-04	-4.43e-04
2825	169	6.29	16.11	6.37e-03	-6.49e-04	1.62e-04	3.32e-04
2825	180	-14.62	-6.67	0.56	1.18e-04	-4.24e-04	-4.43e-04
2825	201	6.30	16.51	5.98e-03	-6.62e-04	1.63e-04	3.34e-04
2825	212	-17.07	-8.16	0.63	1.70e-04	-4.92e-04	-5.25e-04
2825	233	7.46	19.46	-0.03	-7.61e-04	1.98e-04	3.93e-04
2825	259	-0.76	1.16	0.28	-1.77e-04	-6.00e-05	1.67e-05
2825	264	-1.01	1.09	0.25	-1.62e-04	-6.03e-05	2.07e-05
2825	276	-0.30	1.93	0.23	5.00e-04	-3.93e-05	1.35e-05
2825	301	-0.31	0.97	0.20	-1.45e-04	-3.63e-05	9.59e-06
2825	305	-0.44	0.94	0.19	-1.39e-04	-3.71e-05	1.16e-05
2825	307	-0.30	1.11	0.18	-6.86e-06	-3.29e-05	1.02e-05
2825	310	-0.30	0.93	0.18	-1.39e-04	-3.34e-05	9.54e-06
2826	44	-1.60	1.55	-0.51	0.0	-1.87e-04	-6.91e-05
2826	52	-0.62	2.39	-0.66	0.0	-1.31e-04	2.63e-05
2826	68	-0.53	2.65	-0.63	0.0	-1.14e-04	2.32e-05
2826	123	-10.17	4.31	-0.34	0.0	-5.48e-04	2.16e-04
2826	129	0.73	14.72	-1.19	0.0	-1.52e-05	4.43e-04
2826	155	-11.40	4.77	-0.34	0.0	-6.08e-04	2.42e-04
2826	161	0.86	16.57	-1.31	0.0	-8.41e-06	4.98e-04
2826	187	-11.22	4.94	-0.35	0.0	-5.98e-04	2.43e-04
2826	193	0.85	17.17	-1.34	0.0	-9.51e-06	5.07e-04
2826	219	-12.98	5.79	-0.37	0.0	-6.83e-04	2.85e-04
2826	225	1.05	20.51	-1.54	0.0	0.0	6.04e-04
2826	264	-1.09	1.08	-0.36	0.0	-1.29e-04	-4.53e-05
2826	268	-0.43	1.64	-0.47	0.0	-9.14e-05	1.83e-05
2826	276	-0.37	1.81	-0.44	0.0	-8.01e-05	1.62e-05
2826	298	-0.36	0.92	-0.36	0.0	-7.45e-05	1.41e-05
2826	305	-0.48	0.88	-0.34	0.0	-8.05e-05	1.15e-06
2826	307	-0.34	1.03	-0.36	0.0	-7.07e-05	1.35e-05
2826	310	-0.34	0.87	-0.34	0.0	-7.08e-05	1.32e-05
2827	4	-0.24	1.62	0.10	-2.69e-04	0.0	6.86e-06
2827	44	-1.46	1.40	0.03	-2.33e-04	0.0	2.46e-05
2827	68	-0.41	3.30	0.07	6.41e-04	0.0	2.50e-05
2827	113	12.40	7.15	0.40	-3.54e-04	0.0	3.97e-04
2827	116	-12.99	-5.44	-0.35	7.27e-05	0.0	-3.85e-04
2827	137	5.50	13.76	0.20	-5.62e-04	0.0	2.74e-04
2827	145	13.98	7.97	0.44	-3.82e-04	0.0	4.46e-04
2827	148	-14.57	-6.26	-0.40	1.01e-04	0.0	-4.34e-04
2827	169	6.23	15.45	0.22	-6.18e-04	0.0	3.08e-04
2827	177	13.85	8.12	0.44	-3.90e-04	0.0	4.46e-04
2827	180	-14.44	-6.42	-0.40	1.09e-04	0.0	-4.34e-04
2827	201	6.24	15.82	0.23	-6.30e-04	0.0	3.08e-04
2827	209	16.28	9.53	0.51	-4.40e-04	0.0	5.26e-04
2827	212	-16.87	-7.83	-0.47	1.59e-04	0.0	-5.14e-04
2827	233	7.39	18.65	0.26	-7.23e-04	0.0	3.63e-04
2827	244	-0.17	1.12	0.06	-1.87e-04	0.0	4.93e-06
2827	264	-0.99	0.98	0.01	-1.63e-04	0.0	1.67e-05
2827	276	-0.29	2.25	0.04	4.20e-04	0.0	1.70e-05
2827	298	-0.31	0.90	0.03	-1.48e-04	0.0	6.63e-06
2827	305	-0.43	0.85	0.02	-1.41e-04	0.0	8.17e-06
2827	307	-0.29	1.11	0.02	-2.40e-05	0.0	8.23e-06
2827	310	-0.29	0.85	0.02	-1.41e-04	0.0	6.11e-06
2828	44	-1.72	1.74	-0.50	0.0	-1.95e-04	4.29e-06
2828	52	-0.69	2.64	-0.64	0.0	-1.36e-04	3.39e-05
2828	68	-0.59	2.89	-0.61	0.0	-1.19e-04	2.98e-05
2828	123	-10.46	4.59	-0.32	0.0	-4.53e-04	2.57e-04
2828	129	0.73	15.44	-1.14	0.0	1.03e-04	4.45e-04
2828	155	-11.71	5.08	-0.32	0.0	-4.99e-04	2.87e-04
2828	161	0.86	17.37	-1.24	0.0	1.25e-04	5.01e-04
2828	187	-11.53	5.25	-0.33	0.0	-4.91e-04	2.87e-04
2828	193	0.84	18.00	-1.27	0.0	1.22e-04	5.09e-04
2828	219	-13.33	6.14	-0.34	0.0	-5.59e-04	3.36e-04
2828	225	1.05	21.49	-1.47	0.0	1.54e-04	6.05e-04
2828	264	-1.17	1.21	-0.35	0.0	-1.34e-04	3.83e-06
2828	268	-0.48	1.81	-0.45	0.0	-9.50e-05	2.35e-05
2828	276	-0.41	1.98	-0.43	0.0	-8.33e-05	2.08e-05
2828	298	-0.40	1.04	-0.35	0.0	-7.75e-05	1.83e-05
2828	305	-0.53	1.00	-0.33	0.0	-8.36e-05	1.40e-05
2828	307	-0.37	1.15	-0.35	0.0	-7.35e-05	1.74e-05
2828	310	-0.38	0.98	-0.34	0.0	-7.37e-05	1.72e-05
2829	4	-0.25	1.75	0.10	-2.69e-04	0.0	5.07e-06
2829	44	-1.49	1.52	0.03	-2.34e-04	0.0	2.34e-05
2829	68	-0.43	2.80	0.07	7.90e-04	0.0	3.60e-05
2829	113	12.51	7.30	0.40	-3.39e-04	0.0	3.99e-04

2829	116	-13.12	-5.45	-0.35	5.76e-05	0.0	-3.89e-04
2829	137	5.55	13.99	0.20	-5.25e-04	0.0	3.19e-04
2829	145	14.10	8.13	0.45	-3.65e-04	0.0	4.49e-04
2829	148	-14.71	-6.28	-0.40	8.38e-05	0.0	-4.39e-04
2829	169	6.29	15.70	0.23	-5.76e-04	0.0	3.60e-04
2829	177	13.98	8.29	0.44	-3.73e-04	0.0	4.51e-04
2829	180	-14.58	-6.44	-0.40	9.13e-05	0.0	-4.40e-04
2829	201	6.30	16.08	0.23	-5.87e-04	0.0	3.63e-04
2829	209	16.43	9.71	0.51	-4.19e-04	0.0	5.33e-04
2829	212	-17.04	-7.87	-0.47	1.38e-04	0.0	-5.22e-04
2829	233	7.46	18.95	0.26	-6.71e-04	0.0	4.29e-04
2829	244	-0.19	1.22	0.06	-1.87e-04	0.0	3.68e-06
2829	264	-1.01	1.06	0.01	-1.63e-04	0.0	1.59e-05
2829	276	-0.30	1.92	0.04	5.19e-04	0.0	2.43e-05
2829	298	-0.32	0.98	0.03	-1.48e-04	0.0	5.75e-06
2829	305	-0.44	0.92	0.02	-1.41e-04	0.0	7.36e-06
2829	307	-0.30	1.09	0.02	-4.18e-06	0.0	9.04e-06
2829	310	-0.30	0.92	0.02	-1.41e-04	0.0	5.26e-06
2830	44	-2.24	1.41	-7.58	-2.81e-04	-2.24e-03	8.17e-05
2830	59	-1.08	2.30	-9.36	-3.35e-04	-2.89e-03	7.55e-05
2830	68	-1.00	2.70	-7.64	-3.25e-04	-2.25e-03	6.94e-05
2830	123	-11.06	4.47	-5.14	-2.86e-04	-1.41e-03	1.02e-04
2830	137	0.43	14.18	-5.37	-7.18e-04	-1.46e-03	2.75e-04
2830	139	-3.98	12.11	-5.79	-6.42e-04	-1.55e-03	6.40e-05
2830	155	-12.36	4.95	-5.27	-3.03e-04	-1.45e-03	1.10e-04
2830	169	0.56	15.92	-5.54	-7.92e-04	-1.50e-03	3.04e-04
2830	171	-4.39	13.59	-6.02	-7.06e-04	-1.60e-03	6.71e-05
2830	187	-12.17	5.09	-5.25	-3.09e-04	-1.43e-03	1.15e-04
2830	201	0.56	16.29	-5.57	-8.08e-04	-1.49e-03	3.01e-04
2830	203	-4.28	13.96	-6.03	-7.19e-04	-1.59e-03	6.73e-05
2830	219	-14.06	5.94	-5.46	-3.41e-04	-1.47e-03	1.31e-04
2830	233	0.77	19.21	-5.86	-9.32e-04	-1.55e-03	3.46e-04
2830	235	-4.87	16.46	-6.39	-8.26e-04	-1.67e-03	7.26e-05
2830	264	-1.53	0.99	-5.37	-1.97e-04	-1.59e-03	5.69e-05
2830	271	-0.75	1.58	-6.55	-2.33e-04	-2.02e-03	5.27e-05
2830	276	-0.70	1.85	-5.41	-2.26e-04	-1.60e-03	4.87e-05
2830	301	-0.65	0.89	-4.53	-1.65e-04	-1.32e-03	4.35e-05
2830	305	-0.79	0.86	-4.07	-1.58e-04	-1.15e-03	4.36e-05
2830	307	-0.63	1.03	-4.08	-1.64e-04	-1.15e-03	4.19e-05
2830	310	-0.63	0.86	-4.06	-1.56e-04	-1.15e-03	4.19e-05
2831	44	-1.39	1.04	-0.37	0.0	-2.15e-04	-1.62e-04
2831	52	-0.41	1.72	-0.48	0.0	-1.22e-04	1.26e-05
2831	68	-0.35	2.00	-0.44	0.0	-1.06e-04	1.07e-05
2831	121	7.99	4.35	-0.61	0.0	3.91e-04	1.13e-04
2831	123	-9.25	3.55	-0.03	0.0	-5.68e-04	8.21e-05
2831	129	0.80	12.73	-0.54	0.0	-4.43e-06	3.94e-04
2831	153	9.01	4.85	-0.65	0.0	4.47e-04	1.27e-04
2831	155	-10.37	3.95	-6.87e-03	0.0	-6.31e-04	9.23e-05
2831	161	0.92	14.35	-0.57	0.0	3.05e-06	4.44e-04
2831	185	8.86	5.00	-0.65	0.0	4.38e-04	1.28e-04
2831	187	-10.21	4.10	-0.01	0.0	-6.20e-04	9.67e-05
2831	193	0.89	14.88	-0.58	0.0	1.47e-06	4.52e-04
2831	217	10.33	5.90	-0.71	0.0	5.20e-04	1.52e-04
2831	219	-11.83	4.84	0.02	0.0	-7.10e-04	1.16e-04
2831	225	1.08	17.82	-0.65	0.0	1.26e-05	5.39e-04
2831	264	-0.94	0.72	-0.27	0.0	-1.47e-04	-1.08e-04
2831	268	-0.29	1.18	-0.34	0.0	-8.50e-05	8.76e-06
2831	276	-0.24	1.36	-0.31	0.0	-7.44e-05	7.52e-06
2831	298	-0.24	0.60	-0.28	0.0	-6.97e-05	6.89e-06
2831	305	-0.37	0.58	-0.26	0.0	-8.07e-05	-1.66e-05
2831	307	-0.23	0.71	-0.27	0.0	-6.61e-05	6.50e-06
2831	310	-0.23	0.56	-0.26	0.0	-6.62e-05	6.44e-06
2832	4	-0.05	1.04	-0.54	0.0	-1.86e-05	1.05e-04
2832	44	-1.57	1.04	-0.44	0.0	-4.39e-04	-2.85e-04
2832	68	-0.34	2.00	-0.47	0.0	-1.03e-04	1.43e-05
2832	121	8.00	4.35	-0.49	0.0	4.28e-04	1.37e-04
2832	123	-9.27	3.55	-0.14	0.0	-6.07e-04	6.86e-05
2832	129	0.80	12.73	-0.40	0.0	1.70e-06	4.11e-04
2832	153	9.02	4.85	-0.51	0.0	4.89e-04	1.53e-04
2832	155	-10.39	3.95	-0.12	0.0	-6.74e-04	7.68e-05
2832	161	0.92	14.35	-0.42	0.0	9.56e-06	4.63e-04
2832	185	8.86	5.00	-0.51	0.0	4.78e-04	1.55e-04
2832	187	-10.24	4.10	-0.12	0.0	-6.64e-04	8.12e-05
2832	193	0.89	14.88	-0.42	0.0	7.04e-06	4.72e-04
2832	217	10.33	5.90	-0.54	0.0	5.66e-04	1.83e-04

2832	219	-11.87	4.84	-0.10	0.0	-7.61e-04	9.76e-05
2832	225	1.06	17.82	-0.44	0.0	1.82e-05	5.62e-04
2832	244	-0.04	0.72	-0.38	0.0	-1.60e-05	7.06e-05
2832	264	-1.06	0.72	-0.31	0.0	-2.96e-04	-1.90e-04
2832	276	-0.24	1.36	-0.34	0.0	-7.20e-05	1.00e-05
2832	298	-0.24	0.60	-0.31	0.0	-6.76e-05	8.81e-06
2832	305	-0.39	0.58	-0.29	0.0	-1.09e-04	-3.15e-05
2832	307	-0.22	0.71	-0.30	0.0	-6.41e-05	8.42e-06
2832	310	-0.22	0.56	-0.29	0.0	-6.43e-05	8.27e-06
2833	44	-1.49	1.21	-0.38	0.0	-1.91e-04	-2.92e-04
2833	52	-0.47	1.94	-0.50	0.0	-1.20e-04	1.65e-05
2833	68	-0.40	2.21	-0.45	0.0	-1.04e-04	1.43e-05
2833	121	8.19	4.62	-0.61	0.0	3.79e-04	1.29e-04
2833	123	-9.54	3.81	-0.05	0.0	-5.53e-04	8.38e-05
2833	129	0.79	13.42	-0.55	0.0	-4.92e-06	4.26e-04
2833	153	9.24	5.14	-0.65	0.0	4.34e-04	1.44e-04
2833	155	-10.70	4.23	-0.02	0.0	-6.13e-04	9.40e-05
2833	161	0.92	15.12	-0.59	0.0	2.34e-06	4.80e-04
2833	185	9.09	5.30	-0.65	0.0	4.25e-04	1.46e-04
2833	187	-10.53	4.39	-0.03	0.0	-6.04e-04	9.86e-05
2833	193	0.89	15.68	-0.60	0.0	0.0	4.89e-04
2833	217	10.60	6.24	-0.72	0.0	5.04e-04	1.72e-04
2833	219	-12.20	5.17	8.94e-03	0.0	-6.91e-04	1.18e-04
2833	225	1.08	18.76	-0.66	0.0	1.16e-05	5.83e-04
2833	264	-1.00	0.84	-0.28	0.0	-1.31e-04	-1.94e-04
2833	268	-0.33	1.33	-0.35	0.0	-8.34e-05	1.14e-05
2833	276	-0.28	1.51	-0.32	0.0	-7.30e-05	1.00e-05
2833	298	-0.28	0.70	-0.28	0.0	-6.83e-05	8.84e-06
2833	305	-0.41	0.68	-0.26	0.0	-7.64e-05	-3.24e-05
2833	307	-0.26	0.81	-0.27	0.0	-6.48e-05	8.42e-06
2833	310	-0.26	0.66	-0.27	0.0	-6.50e-05	8.27e-06
2834	4	-0.06	1.23	-0.55	0.0	-4.89e-05	1.70e-04
2834	44	-1.80	1.21	-0.45	0.0	-3.33e-04	-4.92e-04
2834	68	-0.39	2.21	-0.48	0.0	-1.01e-04	1.65e-05
2834	121	8.22	4.62	-0.49	0.0	4.03e-04	1.89e-04
2834	123	-9.59	3.81	-0.14	0.0	-5.78e-04	2.79e-05
2834	129	0.80	13.42	-0.41	0.0	-1.22e-06	4.44e-04
2834	153	9.27	5.14	-0.52	0.0	4.61e-04	2.13e-04
2834	155	-10.75	4.23	-0.12	0.0	-6.42e-04	3.09e-05
2834	161	0.93	15.12	-0.43	0.0	6.20e-06	5.00e-04
2834	185	9.11	5.30	-0.52	0.0	4.51e-04	2.14e-04
2834	187	-10.59	4.39	-0.13	0.0	-6.32e-04	3.63e-05
2834	193	0.89	15.68	-0.43	0.0	3.77e-06	5.10e-04
2834	217	10.63	6.24	-0.55	0.0	5.34e-04	2.51e-04
2834	219	-12.27	5.17	-0.10	0.0	-7.25e-04	4.54e-05
2834	225	1.07	18.76	-0.45	0.0	1.43e-05	6.07e-04
2834	244	-0.05	0.85	-0.39	0.0	-3.61e-05	1.14e-04
2834	264	-1.21	0.84	-0.32	0.0	-2.25e-04	-3.28e-04
2834	276	-0.28	1.51	-0.34	0.0	-7.12e-05	1.15e-05
2834	298	-0.27	0.70	-0.31	0.0	-6.68e-05	1.01e-05
2834	305	-0.44	0.68	-0.30	0.0	-9.42e-05	-5.82e-05
2834	307	-0.26	0.81	-0.30	0.0	-6.34e-05	9.63e-06
2834	310	-0.26	0.66	-0.30	0.0	-6.36e-05	9.44e-06
2835	44	-1.57	1.38	-0.39	0.0	-1.64e-04	-3.57e-04
2835	52	-0.54	2.17	-0.50	0.0	-1.19e-04	2.05e-05
2835	68	-0.46	2.44	-0.46	0.0	-1.04e-04	1.80e-05
2835	121	8.39	4.89	-0.61	0.0	3.67e-04	1.35e-04
2835	123	-9.83	4.07	-0.05	0.0	-5.38e-04	9.13e-05
2835	129	0.79	14.11	-0.56	0.0	-5.98e-06	4.48e-04
2835	153	9.47	5.43	-0.66	0.0	4.20e-04	1.52e-04
2835	155	-11.02	4.52	-0.03	0.0	-5.97e-04	1.02e-04
2835	161	0.92	15.88	-0.60	0.0	1.10e-06	5.05e-04
2835	185	9.31	5.60	-0.66	0.0	4.11e-04	1.53e-04
2835	187	-10.85	4.68	-0.04	0.0	-5.87e-04	1.07e-04
2835	193	0.89	16.47	-0.61	0.0	0.0	5.14e-04
2835	209	9.88	10.55	-0.72	0.0	4.63e-04	5.61e-04
2835	219	-12.56	5.50	-7.15e-04	0.0	-6.72e-04	1.28e-04
2835	225	1.09	19.69	-0.67	0.0	1.01e-05	6.13e-04
2835	264	-1.07	0.96	-0.28	0.0	-1.13e-04	-2.37e-04
2835	268	-0.37	1.49	-0.35	0.0	-8.29e-05	1.42e-05
2835	276	-0.32	1.66	-0.33	0.0	-7.26e-05	1.26e-05
2835	298	-0.31	0.81	-0.29	0.0	-6.78e-05	1.09e-05
2835	305	-0.44	0.79	-0.27	0.0	-7.24e-05	-3.95e-05
2835	307	-0.29	0.93	-0.28	0.0	-6.43e-05	1.05e-05
2835	310	-0.30	0.77	-0.27	0.0	-6.45e-05	1.02e-05

2836	4	-0.09	1.43	-0.55	0.0	-8.67e-05	2.04e-04
2836	44	-1.94	1.38	-0.45	0.0	-2.03e-04	-5.98e-04
2836	68	-0.45	2.44	-0.49	0.0	-1.01e-04	1.83e-05
2836	121	8.42	4.89	-0.50	0.0	3.72e-04	2.18e-04
2836	123	-9.89	4.07	-0.14	0.0	-5.44e-04	1.05e-05
2836	129	0.80	14.11	-0.42	0.0	-4.84e-06	4.68e-04
2836	153	9.51	5.43	-0.53	0.0	4.26e-04	2.44e-04
2836	155	-11.08	4.52	-0.12	0.0	-6.03e-04	1.14e-05
2836	161	0.93	15.88	-0.43	0.0	2.10e-06	5.28e-04
2836	185	9.35	5.60	-0.52	0.0	4.17e-04	2.45e-04
2836	187	-10.91	4.68	-0.13	0.0	-5.94e-04	1.73e-05
2836	193	0.89	16.46	-0.43	0.0	0.0	5.38e-04
2836	217	10.90	6.58	-0.56	0.0	4.94e-04	2.88e-04
2836	219	-12.64	5.50	-0.10	0.0	-6.80e-04	2.34e-05
2836	225	1.08	19.68	-0.46	0.0	9.65e-06	6.41e-04
2836	244	-0.08	0.99	-0.39	0.0	-6.13e-05	1.37e-04
2836	264	-1.31	0.96	-0.32	0.0	-1.39e-04	-3.98e-04
2836	276	-0.31	1.66	-0.35	0.0	-7.07e-05	1.28e-05
2836	298	-0.31	0.81	-0.32	0.0	-6.63e-05	1.11e-05
2836	305	-0.49	0.79	-0.30	0.0	-7.66e-05	-7.16e-05
2836	307	-0.29	0.93	-0.30	0.0	-6.29e-05	1.06e-05
2836	310	-0.29	0.77	-0.30	0.0	-6.31e-05	1.04e-05
2837	4	0.02	1.03	-0.58	0.0	5.85e-05	1.02e-04
2837	44	-1.74	1.04	-0.48	0.0	-6.85e-04	-2.76e-04
2837	68	-0.33	1.99	-0.49	0.0	-1.00e-04	1.46e-05
2837	122	8.00	-2.43	-0.44	0.0	4.83e-04	-4.89e-05
2837	124	-9.31	-3.23	-0.24	0.0	-6.69e-04	-1.26e-04
2837	129	3.68	12.73	-0.28	0.0	2.07e-04	4.15e-04
2837	154	9.02	-2.83	-0.45	0.0	5.51e-04	-5.67e-05
2837	156	-10.44	-3.73	-0.23	0.0	-7.44e-04	-1.43e-04
2837	161	4.16	14.35	-0.27	0.0	2.40e-04	4.68e-04
2837	186	8.87	-2.98	-0.45	0.0	5.39e-04	-6.14e-05
2837	188	-10.28	-3.88	-0.23	0.0	-7.32e-04	-1.44e-04
2837	193	4.12	14.88	-0.27	0.0	2.37e-04	4.77e-04
2837	218	10.33	-3.72	-0.47	0.0	6.36e-04	-7.73e-05
2837	220	-11.92	-4.77	-0.22	0.0	-8.41e-04	-1.73e-04
2837	225	4.86	17.82	-0.26	0.0	2.88e-04	5.68e-04
2837	244	-4.12e-04	0.72	-0.41	0.0	3.55e-05	6.88e-05
2837	264	-1.17	0.72	-0.34	0.0	-4.60e-04	-1.83e-04
2837	276	-0.23	1.36	-0.35	0.0	-7.02e-05	1.02e-05
2837	298	-0.23	0.60	-0.33	0.0	-6.60e-05	8.81e-06
2837	305	-0.40	0.58	-0.31	0.0	-1.41e-04	-3.03e-05
2837	307	-0.22	0.71	-0.32	0.0	-6.26e-05	8.44e-06
2837	310	-0.22	0.56	-0.32	0.0	-6.28e-05	8.26e-06
2838	4	0.04	1.22	-0.59	0.0	1.60e-06	1.67e-04
2838	44	-2.09	1.21	-0.49	0.0	-4.93e-04	-4.82e-04
2838	68	-0.38	2.21	-0.50	0.0	-9.95e-05	1.66e-05
2838	122	8.25	-2.49	-0.45	0.0	4.40e-04	4.43e-06
2838	124	-9.66	-3.29	-0.24	0.0	-6.21e-04	-1.87e-04
2838	129	3.79	13.42	-0.28	0.0	1.87e-04	4.51e-04
2838	154	9.31	-2.91	-0.46	0.0	5.03e-04	3.02e-06
2838	156	-10.83	-3.82	-0.23	0.0	-6.90e-04	-2.12e-04
2838	161	4.29	15.12	-0.28	0.0	2.18e-04	5.09e-04
2838	186	9.15	-3.06	-0.46	0.0	4.92e-04	-2.79e-06
2838	188	-10.67	-3.97	-0.23	0.0	-6.80e-04	-2.13e-04
2838	193	4.24	15.68	-0.27	0.0	2.15e-04	5.18e-04
2838	218	10.67	-3.84	-0.48	0.0	5.81e-04	-9.58e-06
2838	220	-12.36	-4.91	-0.22	0.0	-7.80e-04	-2.54e-04
2838	225	5.01	18.76	-0.26	0.0	2.62e-04	6.18e-04
2838	244	0.02	0.85	-0.41	0.0	-2.40e-06	1.12e-04
2838	264	-1.41	0.84	-0.35	0.0	-3.32e-04	-3.21e-04
2838	276	-0.27	1.51	-0.36	0.0	-6.98e-05	1.16e-05
2838	298	-0.27	0.70	-0.34	0.0	-6.57e-05	9.97e-06
2838	305	-0.48	0.68	-0.32	0.0	-1.15e-04	-5.70e-05
2838	307	-0.25	0.81	-0.32	0.0	-6.23e-05	9.56e-06
2838	310	-0.25	0.66	-0.32	0.0	-6.25e-05	9.34e-06
2839	4	0.03	1.43	-0.60	0.0	-7.10e-05	2.01e-04
2839	44	-2.31	1.38	-0.50	0.0	-2.50e-04	-5.89e-04
2839	68	-0.44	2.44	-0.51	0.0	-9.93e-05	1.80e-05
2839	122	8.47	-2.54	-0.45	0.0	3.85e-04	3.29e-05
2839	124	-9.97	-3.35	-0.24	0.0	-5.59e-04	-2.23e-04
2839	129	3.88	14.11	-0.28	0.0	1.60e-04	4.78e-04
2839	154	9.56	-2.98	-0.47	0.0	4.40e-04	3.48e-05
2839	156	-11.18	-3.90	-0.23	0.0	-6.21e-04	-2.53e-04
2839	161	4.40	15.88	-0.28	0.0	1.88e-04	5.38e-04

2839	186	9.40	-3.14	-0.47	0.0	4.30e-04	2.82e-05
2839	188	-11.01	-4.06	-0.24	0.0	-6.11e-04	-2.53e-04
2839	193	4.35	16.46	-0.28	0.0	1.85e-04	5.49e-04
2839	218	10.96	-3.96	-0.49	0.0	5.09e-04	2.61e-05
2839	220	-12.76	-5.04	-0.22	0.0	-7.01e-04	-3.01e-04
2839	225	5.14	19.68	-0.26	0.0	2.28e-04	6.54e-04
2839	244	5.34e-03	0.99	-0.42	0.0	-5.08e-05	1.34e-04
2839	264	-1.55	0.96	-0.36	0.0	-1.70e-04	-3.92e-04
2839	276	-0.31	1.66	-0.36	0.0	-6.96e-05	1.26e-05
2839	298	-0.30	0.81	-0.34	0.0	-6.55e-05	1.08e-05
2839	305	-0.53	0.79	-0.32	0.0	-8.21e-05	-7.06e-05
2839	307	-0.28	0.93	-0.32	0.0	-6.21e-05	1.03e-05
2839	310	-0.29	0.77	-0.33	0.0	-6.24e-05	1.01e-05
2840	44	-1.88	1.03	-0.52	0.0	-8.97e-04	-2.35e-04
2840	68	-0.32	1.99	-0.50	0.0	-9.78e-05	1.42e-05
2840	76	-0.40	0.74	-0.62	0.0	-1.15e-04	1.47e-05
2840	124	-9.35	-3.23	-0.34	0.0	-7.34e-04	-1.22e-04
2840	129	3.81	12.73	-0.15	0.0	2.45e-04	4.15e-04
2840	130	0.75	-9.86	-0.56	0.0	1.07e-05	-2.25e-04
2840	156	-10.48	-3.73	-0.34	0.0	-8.18e-04	-1.39e-04
2840	161	4.31	14.35	-0.13	0.0	2.83e-04	4.68e-04
2840	162	0.86	-11.24	-0.59	0.0	1.90e-05	-2.56e-04
2840	188	-10.33	-3.88	-0.35	0.0	-8.05e-04	-1.41e-04
2840	193	4.28	14.88	-0.12	0.0	2.80e-04	4.77e-04
2840	194	0.81	-11.71	-0.60	0.0	1.42e-05	-2.67e-04
2840	220	-11.98	-4.78	-0.35	0.0	-9.26e-04	-1.69e-04
2840	225	5.05	17.81	-0.07	0.0	3.39e-04	5.69e-04
2840	226	0.95	-14.24	-0.65	0.0	2.45e-05	-3.26e-04
2840	264	-1.26	0.71	-0.37	0.0	-6.01e-04	-1.56e-04
2840	276	-0.23	1.35	-0.36	0.0	-6.86e-05	9.93e-06
2840	280	-0.28	0.52	-0.44	0.0	-8.00e-05	1.03e-05
2840	298	-0.23	0.59	-0.35	0.0	-6.47e-05	8.50e-06
2840	305	-0.42	0.57	-0.33	0.0	-1.68e-04	-2.51e-05
2840	307	-0.21	0.70	-0.33	0.0	-6.13e-05	8.15e-06
2840	310	-0.21	0.56	-0.34	0.0	-6.16e-05	7.96e-06
2841	44	-2.34	1.21	-0.53	0.0	-6.32e-04	-4.15e-04
2841	68	-0.38	2.21	-0.52	0.0	-9.78e-05	1.60e-05
2841	76	-0.46	0.92	-0.63	0.0	-1.15e-04	1.65e-05
2841	124	-9.73	-3.29	-0.35	0.0	-6.68e-04	-1.86e-04
2841	129	3.94	13.42	-0.15	0.0	2.16e-04	4.53e-04
2841	130	0.76	-10.25	-0.57	0.0	2.77e-06	-2.24e-04
2841	156	-10.91	-3.82	-0.35	0.0	-7.44e-04	-2.10e-04
2841	161	4.46	15.12	-0.13	0.0	2.51e-04	5.11e-04
2841	162	0.87	-11.71	-0.60	0.0	1.01e-05	-2.55e-04
2841	188	-10.75	-3.97	-0.35	0.0	-7.32e-04	-2.11e-04
2841	193	4.42	15.68	-0.12	0.0	2.48e-04	5.21e-04
2841	194	0.82	-12.20	-0.61	0.0	5.61e-06	-2.68e-04
2841	220	-12.47	-4.91	-0.36	0.0	-8.42e-04	-2.52e-04
2841	225	5.23	18.76	-0.07	0.0	3.02e-04	6.21e-04
2841	226	0.96	-14.85	-0.67	0.0	1.46e-05	-3.28e-04
2841	264	-1.57	0.84	-0.38	0.0	-4.25e-04	-2.76e-04
2841	276	-0.26	1.51	-0.37	0.0	-6.86e-05	1.12e-05
2841	280	-0.32	0.65	-0.44	0.0	-7.99e-05	1.15e-05
2841	298	-0.26	0.70	-0.36	0.0	-6.47e-05	9.54e-06
2841	305	-0.51	0.68	-0.34	0.0	-1.33e-04	-4.82e-05
2841	307	-0.24	0.81	-0.34	0.0	-6.13e-05	9.17e-06
2841	310	-0.25	0.66	-0.34	0.0	-6.16e-05	8.93e-06
2842	44	-2.61	1.39	-0.54	0.0	-2.89e-04	-5.06e-04
2842	68	-0.43	2.44	-0.52	0.0	-9.78e-05	1.75e-05
2842	76	-0.52	1.11	-0.64	0.0	-1.15e-04	1.78e-05
2842	124	-10.07	-3.35	-0.35	0.0	-5.78e-04	-2.26e-04
2842	129	4.05	14.11	-0.15	0.0	1.77e-04	4.82e-04
2842	130	0.76	-10.64	-0.58	0.0	-8.48e-06	-2.27e-04
2842	156	-11.28	-3.90	-0.35	0.0	-6.42e-04	-2.56e-04
2842	161	4.58	15.88	-0.13	0.0	2.07e-04	5.43e-04
2842	162	0.88	-12.16	-0.62	0.0	-2.47e-06	-2.59e-04
2842	188	-11.12	-4.06	-0.36	0.0	-6.32e-04	-2.56e-04
2842	193	4.55	16.46	-0.12	0.0	2.05e-04	5.54e-04
2842	194	0.82	-12.67	-0.62	0.0	-6.54e-06	-2.73e-04
2842	220	-12.89	-5.04	-0.36	0.0	-7.26e-04	-3.04e-04
2842	225	5.38	19.68	-0.07	0.0	2.52e-04	6.60e-04
2842	226	0.97	-15.44	-0.68	0.0	0.0	-3.34e-04
2842	264	-1.76	0.96	-0.38	0.0	-1.96e-04	-3.37e-04
2842	276	-0.30	1.67	-0.37	0.0	-6.86e-05	1.22e-05
2842	280	-0.36	0.78	-0.45	0.0	-8.00e-05	1.24e-05

2842	298	-0.29	0.81	-0.36	0.0	-6.47e-05	1.03e-05
2842	305	-0.57	0.79	-0.34	0.0	-8.68e-05	-5.99e-05
2842	307	-0.28	0.93	-0.34	0.0	-6.13e-05	9.94e-06
2842	310	-0.28	0.77	-0.35	0.0	-6.16e-05	9.66e-06
2843	44	-1.99	1.01	-0.56	0.0	-1.07e-03	-2.13e-04
2843	68	-0.32	1.97	-0.52	0.0	-9.59e-05	1.40e-05
2843	76	-0.39	0.71	-0.67	0.0	-1.13e-04	1.44e-05
2843	124	-9.39	-3.25	-0.44	0.0	-8.02e-04	-1.19e-04
2843	129	3.96	12.72	0.07	0.0	2.85e-04	4.14e-04
2843	132	-4.38	-11.63	-0.79	0.0	-4.06e-04	-3.99e-04
2843	156	-10.53	-3.75	-0.45	0.0	-8.95e-04	-1.35e-04
2843	161	4.48	14.34	0.12	0.0	3.28e-04	4.67e-04
2843	164	-4.90	-13.25	-0.84	0.0	-4.50e-04	-4.51e-04
2843	188	-10.38	-3.90	-0.46	0.0	-8.81e-04	-1.37e-04
2843	193	4.45	14.87	0.14	0.0	3.26e-04	4.76e-04
2843	196	-4.87	-13.78	-0.86	0.0	-4.47e-04	-4.61e-04
2843	220	-12.04	-4.80	-0.48	0.0	-1.01e-03	-1.64e-04
2843	225	5.27	17.81	0.24	0.0	3.94e-04	5.68e-04
2843	228	-5.69	-16.72	-0.96	0.0	-5.15e-04	-5.52e-04
2843	264	-1.34	0.70	-0.40	0.0	-7.20e-04	-1.41e-04
2843	276	-0.22	1.34	-0.37	0.0	-6.73e-05	9.74e-06
2843	280	-0.27	0.50	-0.47	0.0	-7.87e-05	1.00e-05
2843	298	-0.22	0.58	-0.38	0.0	-6.37e-05	8.30e-06
2843	305	-0.43	0.56	-0.36	0.0	-1.91e-04	-2.22e-05
2843	307	-0.21	0.69	-0.35	0.0	-6.03e-05	7.97e-06
2843	310	-0.21	0.54	-0.36	0.0	-6.07e-05	7.77e-06
2844	44	-2.55	1.20	-0.57	0.0	-7.47e-04	-3.74e-04
2844	68	-0.37	2.21	-0.52	0.0	-9.60e-05	1.57e-05
2844	76	-0.45	0.92	-0.68	0.0	-1.13e-04	1.60e-05
2844	124	-9.81	-3.29	-0.45	0.0	-7.20e-04	-1.81e-04
2844	129	4.11	13.42	0.09	0.0	2.49e-04	4.53e-04
2844	132	-4.59	-12.10	-0.82	0.0	-3.71e-04	-4.35e-04
2844	156	-11.00	-3.82	-0.47	0.0	-8.02e-04	-2.05e-04
2844	161	4.65	15.12	0.15	0.0	2.88e-04	5.10e-04
2844	164	-5.13	-13.80	-0.88	0.0	-4.10e-04	-4.93e-04
2844	188	-10.84	-3.98	-0.47	0.0	-7.89e-04	-2.06e-04
2844	193	4.63	15.68	0.17	0.0	2.86e-04	5.20e-04
2844	196	-5.11	-14.36	-0.90	0.0	-4.08e-04	-5.03e-04
2844	220	-12.57	-4.92	-0.50	0.0	-9.09e-04	-2.45e-04
2844	225	5.47	18.76	0.28	0.0	3.47e-04	6.20e-04
2844	228	-5.96	-17.44	-1.00	0.0	-4.69e-04	-6.03e-04
2844	264	-1.71	0.84	-0.40	0.0	-5.01e-04	-2.49e-04
2844	276	-0.26	1.51	-0.37	0.0	-6.74e-05	1.09e-05
2844	280	-0.31	0.65	-0.48	0.0	-7.89e-05	1.12e-05
2844	298	-0.26	0.70	-0.38	0.0	-6.38e-05	9.27e-06
2844	305	-0.53	0.68	-0.36	0.0	-1.47e-04	-4.31e-05
2844	307	-0.24	0.81	-0.36	0.0	-6.04e-05	8.92e-06
2844	310	-0.24	0.66	-0.36	0.0	-6.07e-05	8.67e-06
2845	44	-2.87	1.39	-0.58	0.0	-3.17e-04	-4.54e-04
2845	68	-0.42	2.44	-0.53	0.0	-9.62e-05	1.72e-05
2845	76	-0.51	1.11	-0.68	0.0	-1.13e-04	1.73e-05
2845	124	-10.17	-3.35	-0.46	0.0	-6.03e-04	-2.23e-04
2845	129	4.23	14.11	0.11	0.0	1.99e-04	4.83e-04
2845	132	-4.78	-12.57	-0.84	0.0	-3.20e-04	-4.64e-04
2845	156	-11.40	-3.90	-0.47	0.0	-6.71e-04	-2.53e-04
2845	161	4.79	15.89	0.17	0.0	2.31e-04	5.44e-04
2845	164	-5.34	-14.35	-0.90	0.0	-3.53e-04	-5.26e-04
2845	188	-11.24	-4.06	-0.48	0.0	-6.61e-04	-2.53e-04
2845	193	4.77	16.47	0.19	0.0	2.30e-04	5.55e-04
2845	196	-5.32	-14.93	-0.92	0.0	-3.52e-04	-5.36e-04
2845	220	-13.03	-5.04	-0.50	0.0	-7.59e-04	-3.01e-04
2845	225	5.65	19.69	0.30	0.0	2.82e-04	6.62e-04
2845	228	-6.19	-18.15	-1.04	0.0	-4.03e-04	-6.43e-04
2845	264	-1.93	0.96	-0.41	0.0	-2.15e-04	-3.02e-04
2845	276	-0.29	1.67	-0.38	0.0	-6.75e-05	1.20e-05
2845	280	-0.35	0.78	-0.48	0.0	-7.90e-05	1.21e-05
2845	298	-0.29	0.82	-0.38	0.0	-6.39e-05	1.01e-05
2845	305	-0.60	0.79	-0.36	0.0	-9.00e-05	-5.31e-05
2845	307	-0.27	0.93	-0.36	0.0	-6.05e-05	9.73e-06
2845	310	-0.27	0.77	-0.37	0.0	-6.09e-05	9.44e-06
2846	44	-2.11	0.97	-0.54	0.0	-1.22e-03	-2.49e-04
2846	68	-0.31	1.93	-0.45	0.0	-9.44e-05	1.39e-05
2846	76	-0.38	0.67	-0.67	0.0	-1.12e-04	1.43e-05
2846	124	-9.43	-3.27	-0.66	0.0	-8.59e-04	-1.19e-04
2846	129	4.12	12.69	0.63	0.0	3.20e-04	4.15e-04

2846	132	-4.53	-11.65	-1.33	0.0	-4.40e-04	-4.00e-04
2846	156	-10.58	-3.77	-0.70	0.0	-9.58e-04	-1.36e-04
2846	161	4.66	14.31	0.76	0.0	3.68e-04	4.68e-04
2846	164	-5.07	-13.27	-1.46	0.0	-4.87e-04	-4.52e-04
2846	188	-10.43	-3.92	-0.71	0.0	-9.44e-04	-1.37e-04
2846	193	4.64	14.84	0.80	0.0	3.66e-04	4.77e-04
2846	196	-5.06	-13.80	-1.50	0.0	-4.86e-04	-4.62e-04
2846	220	-12.11	-4.82	-0.78	0.0	-1.09e-03	-1.65e-04
2846	225	5.50	17.78	1.04	0.0	4.41e-04	5.69e-04
2846	228	-5.91	-16.74	-1.74	0.0	-5.60e-04	-5.54e-04
2846	264	-1.42	0.67	-0.38	0.0	-8.17e-04	-1.65e-04
2846	276	-0.22	1.31	-0.32	0.0	-6.62e-05	9.68e-06
2846	280	-0.27	0.47	-0.47	0.0	-7.77e-05	9.96e-06
2846	298	-0.22	0.55	-0.37	0.0	-6.28e-05	8.24e-06
2846	305	-0.44	0.54	-0.35	0.0	-2.10e-04	-2.71e-05
2846	307	-0.20	0.67	-0.34	0.0	-5.94e-05	7.91e-06
2846	310	-0.21	0.52	-0.35	0.0	-5.98e-05	7.71e-06
2847	44	-2.76	1.20	-0.55	0.0	-8.39e-04	-4.02e-04
2847	68	-0.36	2.21	-0.46	0.0	-9.46e-05	1.56e-05
2847	76	-0.44	0.92	-0.66	0.0	-1.12e-04	1.59e-05
2847	124	-9.88	-3.30	-0.65	0.0	-7.65e-04	-1.78e-04
2847	129	4.29	13.42	0.60	0.0	2.79e-04	4.52e-04
2847	132	-4.76	-12.10	-1.30	0.0	-3.99e-04	-4.35e-04
2847	156	-11.08	-3.82	-0.69	0.0	-8.52e-04	-2.02e-04
2847	161	4.85	15.12	0.73	0.0	3.21e-04	5.10e-04
2847	164	-5.33	-13.80	-1.43	0.0	-4.42e-04	-4.92e-04
2847	188	-10.93	-3.98	-0.70	0.0	-8.40e-04	-2.03e-04
2847	193	4.84	15.68	0.77	0.0	3.20e-04	5.19e-04
2847	196	-5.31	-14.36	-1.47	0.0	-4.40e-04	-5.02e-04
2847	220	-12.68	-4.92	-0.77	0.0	-9.67e-04	-2.42e-04
2847	225	5.73	18.76	1.00	0.0	3.87e-04	6.19e-04
2847	228	-6.21	-17.44	-1.70	0.0	-5.07e-04	-6.02e-04
2847	264	-1.85	0.83	-0.39	0.0	-5.63e-04	-2.68e-04
2847	276	-0.25	1.51	-0.33	0.0	-6.64e-05	1.09e-05
2847	280	-0.31	0.64	-0.47	0.0	-7.80e-05	1.11e-05
2847	298	-0.25	0.70	-0.36	0.0	-6.30e-05	9.21e-06
2847	305	-0.55	0.68	-0.35	0.0	-1.59e-04	-4.69e-05
2847	307	-0.23	0.81	-0.33	0.0	-5.96e-05	8.87e-06
2847	310	-0.24	0.66	-0.35	0.0	-6.00e-05	8.62e-06
2848	44	-3.12	1.39	-0.56	0.0	-3.38e-04	-4.77e-04
2848	68	-0.41	2.44	-0.48	0.0	-9.48e-05	1.72e-05
2848	76	-0.50	1.11	-0.68	0.0	-1.12e-04	1.73e-05
2848	124	-10.27	-3.35	-0.58	0.0	-6.30e-04	-2.22e-04
2848	129	4.43	14.11	0.56	0.0	2.21e-04	4.83e-04
2848	132	-4.96	-12.57	-1.28	0.0	-3.41e-04	-4.64e-04
2848	156	-11.51	-3.90	-0.61	0.0	-7.01e-04	-2.51e-04
2848	161	5.01	15.89	0.69	0.0	2.56e-04	5.45e-04
2848	164	-5.55	-14.35	-1.40	0.0	-3.77e-04	-5.26e-04
2848	188	-11.35	-4.06	-0.62	0.0	-6.91e-04	-2.52e-04
2848	193	5.00	16.47	0.72	0.0	2.56e-04	5.55e-04
2848	196	-5.54	-14.93	-1.44	0.0	-3.76e-04	-5.36e-04
2848	220	-13.17	-5.04	-0.68	0.0	-7.95e-04	-2.99e-04
2848	225	5.93	19.69	0.95	0.0	3.12e-04	6.62e-04
2848	228	-6.47	-18.15	-1.66	0.0	-4.32e-04	-6.43e-04
2848	264	-2.09	0.96	-0.40	0.0	-2.29e-04	-3.17e-04
2848	276	-0.29	1.67	-0.34	0.0	-6.65e-05	1.20e-05
2848	280	-0.35	0.78	-0.48	0.0	-7.82e-05	1.20e-05
2848	298	-0.28	0.82	-0.37	0.0	-6.32e-05	1.01e-05
2848	305	-0.63	0.79	-0.35	0.0	-9.22e-05	-5.62e-05
2848	307	-0.27	0.93	-0.34	0.0	-5.98e-05	9.69e-06
2848	310	-0.27	0.77	-0.36	0.0	-6.02e-05	9.40e-06
2849	44	-1.65	1.54	-0.40	0.0	-1.40e-04	-3.42e-04
2849	52	-0.60	2.38	-0.51	0.0	-1.19e-04	2.50e-05
2849	68	-0.51	2.64	-0.47	0.0	-1.04e-04	2.20e-05
2849	121	8.57	5.13	-0.62	0.0	3.53e-04	1.36e-04
2849	123	-10.10	4.31	-0.06	0.0	-5.24e-04	1.01e-04
2849	129	0.79	14.73	-0.57	0.0	-7.72e-06	4.61e-04
2849	153	9.67	5.70	-0.66	0.0	4.05e-04	1.52e-04
2849	155	-11.31	4.78	-0.03	0.0	-5.81e-04	1.13e-04
2849	161	0.92	16.58	-0.61	0.0	0.0	5.19e-04
2849	185	9.51	5.87	-0.66	0.0	3.96e-04	1.54e-04
2849	187	-11.13	4.94	-0.04	0.0	-5.71e-04	1.18e-04
2849	193	0.89	17.19	-0.61	0.0	-2.36e-06	5.29e-04
2849	209	10.11	11.04	-0.73	0.0	4.48e-04	5.66e-04
2849	219	-12.89	5.79	-7.66e-03	0.0	-6.54e-04	1.41e-04

2849	225	1.10	20.53	-0.68	0.0	7.86e-06	6.30e-04
2849	264	-1.12	1.07	-0.28	0.0	-9.72e-05	-2.27e-04
2849	268	-0.41	1.63	-0.36	0.0	-8.30e-05	1.73e-05
2849	276	-0.36	1.81	-0.33	0.0	-7.28e-05	1.54e-05
2849	298	-0.35	0.92	-0.29	0.0	-6.79e-05	1.33e-05
2849	305	-0.48	0.88	-0.27	0.0	-6.93e-05	-3.58e-05
2849	307	-0.33	1.03	-0.28	0.0	-6.44e-05	1.27e-05
2849	310	-0.33	0.86	-0.28	0.0	-6.46e-05	1.25e-05
2850	4	-0.14	1.61	-0.56	0.0	-1.25e-04	2.03e-04
2850	44	-2.01	1.55	-0.46	0.0	-7.67e-05	-5.86e-04
2850	68	-0.50	2.64	-0.49	0.0	-1.01e-04	2.02e-05
2850	121	8.60	5.13	-0.51	0.0	3.86e-04	2.20e-04
2850	123	-10.15	4.31	-0.14	0.0	-4.70e-04	1.76e-05
2850	129	0.80	14.73	-0.42	0.0	1.32e-04	4.83e-04
2850	153	9.71	5.70	-0.53	0.0	4.41e-04	2.47e-04
2850	155	-11.37	4.78	-0.12	0.0	-5.20e-04	1.92e-05
2850	161	0.93	16.58	-0.44	0.0	1.56e-04	5.44e-04
2850	185	9.54	5.87	-0.53	0.0	4.32e-04	2.48e-04
2850	187	-11.20	4.94	-0.13	0.0	-5.11e-04	2.53e-05
2850	193	0.89	17.19	-0.44	0.0	1.53e-04	5.55e-04
2850	217	11.14	6.89	-0.57	0.0	5.13e-04	2.91e-04
2850	219	-12.97	5.79	-0.10	0.0	-5.83e-04	3.27e-05
2850	225	1.08	20.53	-0.46	0.0	1.90e-04	6.61e-04
2850	244	-0.11	1.12	-0.39	0.0	-8.66e-05	1.36e-04
2850	264	-1.36	1.08	-0.33	0.0	-5.46e-05	-3.90e-04
2850	276	-0.35	1.81	-0.35	0.0	-7.08e-05	1.41e-05
2850	298	-0.34	0.92	-0.32	0.0	-6.63e-05	1.21e-05
2850	305	-0.52	0.88	-0.30	0.0	-5.96e-05	-6.93e-05
2850	307	-0.32	1.03	-0.31	0.0	-6.29e-05	1.16e-05
2850	310	-0.32	0.87	-0.31	0.0	-6.31e-05	1.13e-05
2851	44	-1.72	1.69	-0.40	0.0	-1.18e-04	-2.57e-04
2851	52	-0.66	2.57	-0.51	0.0	-1.20e-04	3.07e-05
2851	68	-0.56	2.83	-0.47	0.0	-1.05e-04	2.71e-05
2851	121	8.74	5.36	-0.62	0.0	3.38e-04	1.47e-04
2851	123	-10.35	4.53	-0.07	0.0	-5.08e-04	1.01e-04
2851	129	0.78	15.31	-0.57	0.0	-1.03e-05	4.68e-04
2851	153	9.87	5.94	-0.66	0.0	3.88e-04	1.63e-04
2851	155	-11.59	5.01	-0.04	0.0	-5.63e-04	1.12e-04
2851	161	0.92	17.22	-0.61	0.0	-3.73e-06	5.27e-04
2851	177	8.81	9.72	-0.66	0.0	3.60e-04	4.81e-04
2851	187	-11.42	5.19	-0.05	0.0	-5.54e-04	1.17e-04
2851	193	0.89	17.85	-0.62	0.0	-5.31e-06	5.36e-04
2851	209	10.33	11.49	-0.73	0.0	4.31e-04	5.65e-04
2851	219	-13.21	6.07	-0.01	0.0	-6.34e-04	1.39e-04
2851	225	1.10	21.31	-0.69	0.0	4.40e-06	6.39e-04
2851	264	-1.17	1.17	-0.29	0.0	-8.22e-05	-1.70e-04
2851	268	-0.46	1.76	-0.36	0.0	-8.36e-05	2.13e-05
2851	276	-0.39	1.93	-0.33	0.0	-7.34e-05	1.89e-05
2851	298	-0.38	1.01	-0.29	0.0	-6.83e-05	1.64e-05
2851	305	-0.51	0.97	-0.27	0.0	-6.66e-05	-2.22e-05
2851	307	-0.36	1.12	-0.28	0.0	-6.49e-05	1.57e-05
2851	310	-0.36	0.95	-0.28	0.0	-6.50e-05	1.54e-05
2852	4	-0.22	1.77	-0.56	0.0	-1.61e-04	1.70e-04
2852	44	-2.01	1.68	-0.46	0.0	4.06e-05	-4.68e-04
2852	68	-0.55	2.82	-0.50	0.0	-1.02e-04	2.24e-05
2852	121	8.76	5.35	-0.51	0.0	3.57e-04	2.01e-04
2852	123	-10.39	4.52	-0.15	0.0	-4.44e-04	4.47e-05
2852	129	0.79	15.28	-0.43	0.0	1.19e-04	4.90e-04
2852	153	9.89	5.94	-0.54	0.0	4.09e-04	2.26e-04
2852	155	-11.64	5.00	-0.13	0.0	-4.91e-04	4.95e-05
2852	161	0.93	17.19	-0.44	0.0	1.42e-04	5.52e-04
2852	185	9.73	6.11	-0.53	0.0	4.01e-04	2.27e-04
2852	187	-11.46	5.17	-0.13	0.0	-4.83e-04	5.54e-05
2852	193	0.89	17.82	-0.44	0.0	1.39e-04	5.63e-04
2852	217	11.36	7.16	-0.57	0.0	4.76e-04	2.67e-04
2852	219	-13.27	6.05	-0.10	0.0	-5.51e-04	6.76e-05
2852	225	1.08	21.28	-0.47	0.0	1.73e-04	6.71e-04
2852	244	-0.16	1.23	-0.40	0.0	-1.11e-04	1.14e-04
2852	264	-1.36	1.17	-0.33	0.0	2.35e-05	-3.11e-04
2852	276	-0.38	1.93	-0.35	0.0	-7.13e-05	1.56e-05
2852	298	-0.37	1.01	-0.32	0.0	-6.67e-05	1.32e-05
2852	305	-0.55	0.97	-0.30	0.0	-4.43e-05	-5.26e-05
2852	307	-0.35	1.12	-0.31	0.0	-6.33e-05	1.27e-05
2852	310	-0.35	0.95	-0.31	0.0	-6.35e-05	1.24e-05
2853	4	-0.02	1.61	-0.60	0.0	-1.44e-04	1.98e-04

2853	44	-2.37	1.55	-0.50	0.0	-7.85e-06	-5.77e-04
2853	68	-0.49	2.64	-0.51	0.0	-9.94e-05	1.92e-05
2853	122	8.65	-2.58	-0.46	0.0	3.30e-04	3.09e-05
2853	124	-10.23	-3.40	-0.25	0.0	-4.99e-04	-2.28e-04
2853	129	3.95	14.73	-0.29	0.0	1.34e-04	4.93e-04
2853	154	9.76	-3.04	-0.47	0.0	3.78e-04	3.26e-05
2853	156	-11.47	-3.97	-0.23	0.0	-5.53e-04	-2.58e-04
2853	161	4.48	16.58	-0.28	0.0	1.58e-04	5.55e-04
2853	186	9.59	-3.21	-0.47	0.0	3.70e-04	2.57e-05
2853	188	-11.30	-4.14	-0.24	0.0	-5.45e-04	-2.59e-04
2853	193	4.43	17.19	-0.28	0.0	1.56e-04	5.66e-04
2853	218	11.19	-4.06	-0.50	0.0	4.39e-04	2.29e-05
2853	220	-13.09	-5.16	-0.22	0.0	-6.23e-04	-3.07e-04
2853	225	5.24	20.53	-0.27	0.0	1.94e-04	6.75e-04
2853	244	-0.03	1.12	-0.42	0.0	-9.93e-05	1.33e-04
2853	264	-1.60	1.08	-0.36	0.0	-8.70e-06	-3.84e-04
2853	276	-0.34	1.81	-0.37	0.0	-6.98e-05	1.34e-05
2853	298	-0.33	0.92	-0.34	0.0	-6.56e-05	1.13e-05
2853	305	-0.56	0.88	-0.33	0.0	-4.99e-05	-6.86e-05
2853	307	-0.31	1.03	-0.33	0.0	-6.21e-05	1.09e-05
2853	310	-0.32	0.87	-0.33	0.0	-6.24e-05	1.06e-05
2854	4	-0.12	1.77	-0.61	0.0	-2.11e-04	1.64e-04
2854	44	-2.30	1.69	-0.51	0.0	2.15e-04	-4.59e-04
2854	68	-0.54	2.82	-0.52	0.0	-1.00e-04	2.05e-05
2854	122	8.80	-2.62	-0.46	0.0	2.80e-04	1.04e-06
2854	124	-10.46	-3.45	-0.25	0.0	-4.45e-04	-2.03e-04
2854	129	4.01	15.28	-0.29	0.0	1.10e-04	4.98e-04
2854	154	9.93	-3.10	-0.48	0.0	3.23e-04	-1.11e-06
2854	156	-11.72	-4.04	-0.24	0.0	-4.92e-04	-2.30e-04
2854	161	4.55	17.19	-0.28	0.0	1.31e-04	5.61e-04
2854	186	9.76	-3.27	-0.48	0.0	3.15e-04	-7.56e-06
2854	188	-11.55	-4.22	-0.24	0.0	-4.85e-04	-2.32e-04
2854	193	4.50	17.82	-0.28	0.0	1.30e-04	5.73e-04
2854	218	11.39	-4.15	-0.50	0.0	3.76e-04	-1.60e-05
2854	220	-13.37	-5.27	-0.23	0.0	-5.54e-04	-2.76e-04
2854	225	5.33	21.28	-0.27	0.0	1.63e-04	6.83e-04
2854	244	-0.10	1.23	-0.43	0.0	-1.44e-04	1.10e-04
2854	264	-1.55	1.17	-0.36	0.0	1.40e-04	-3.05e-04
2854	276	-0.38	1.93	-0.37	0.0	-7.02e-05	1.43e-05
2854	298	-0.37	1.01	-0.35	0.0	-6.59e-05	1.19e-05
2854	305	-0.58	0.97	-0.33	0.0	-2.04e-05	-5.24e-05
2854	307	-0.34	1.12	-0.33	0.0	-6.25e-05	1.15e-05
2854	310	-0.35	0.95	-0.33	0.0	-6.28e-05	1.11e-05
2855	44	-2.67	1.55	-0.55	0.0	5.43e-05	-4.92e-04
2855	68	-0.48	2.65	-0.53	0.0	-9.80e-05	1.88e-05
2855	76	-0.58	1.29	-0.65	0.0	-1.15e-04	1.87e-05
2855	124	-10.33	-3.40	-0.36	0.0	-4.87e-04	-2.36e-04
2855	129	4.12	14.74	-0.15	0.0	1.37e-04	4.99e-04
2855	130	0.75	-10.99	-0.59	0.0	-2.02e-05	-2.36e-04
2855	156	-11.58	-3.97	-0.36	0.0	-5.39e-04	-2.67e-04
2855	161	4.68	16.58	-0.12	0.0	1.62e-04	5.62e-04
2855	162	0.87	-12.57	-0.62	0.0	-1.56e-05	-2.69e-04
2855	188	-11.41	-4.14	-0.36	0.0	-5.31e-04	-2.68e-04
2855	193	4.64	17.19	-0.11	0.0	1.61e-04	5.73e-04
2855	194	0.81	-13.10	-0.63	0.0	-1.92e-05	-2.83e-04
2855	220	-13.22	-5.16	-0.37	0.0	-6.08e-04	-3.18e-04
2855	225	5.49	20.54	-0.07	0.0	2.00e-04	6.84e-04
2855	226	0.97	-15.98	-0.69	0.0	-1.41e-05	-3.47e-04
2855	264	-1.80	1.08	-0.39	0.0	3.27e-05	-3.27e-04
2855	276	-0.33	1.81	-0.37	0.0	-6.87e-05	1.31e-05
2855	280	-0.40	0.90	-0.45	0.0	-8.02e-05	1.31e-05
2855	298	-0.33	0.92	-0.37	0.0	-6.49e-05	1.09e-05
2855	305	-0.60	0.88	-0.35	0.0	-4.11e-05	-5.75e-05
2855	307	-0.31	1.03	-0.35	0.0	-6.14e-05	1.05e-05
2855	310	-0.31	0.87	-0.35	0.0	-6.18e-05	1.02e-05
2856	44	-2.54	1.70	-0.55	0.0	3.68e-04	-3.83e-04
2856	68	-0.52	2.84	-0.53	0.0	-9.83e-05	2.01e-05
2856	76	-0.64	1.44	-0.65	0.0	-1.16e-04	1.97e-05
2856	124	-10.55	-3.45	-0.36	0.0	-4.04e-04	-2.12e-04
2856	129	4.18	15.31	-0.15	0.0	1.02e-04	5.04e-04
2856	130	0.74	-11.31	-0.60	0.0	-3.11e-05	-2.50e-04
2856	156	-11.81	-4.04	-0.36	0.0	-4.47e-04	-2.40e-04
2856	161	4.74	17.22	-0.12	0.0	1.22e-04	5.68e-04
2856	162	0.86	-12.95	-0.63	0.0	-2.78e-05	-2.86e-04
2856	188	-11.64	-4.22	-0.36	0.0	-4.40e-04	-2.41e-04

2856	193	4.70	17.85	-0.11	0.0	1.22e-04	5.79e-04
2856	194	0.80	-13.50	-0.64	0.0	-3.10e-05	-3.00e-04
2856	220	-13.49	-5.27	-0.37	0.0	-5.02e-04	-2.87e-04
2856	225	5.58	21.31	-0.06	0.0	1.54e-04	6.91e-04
2856	226	0.95	-16.48	-0.70	0.0	-2.76e-05	-3.68e-04
2856	264	-1.71	1.18	-0.39	0.0	2.42e-04	-2.55e-04
2856	276	-0.37	1.94	-0.38	0.0	-6.90e-05	1.40e-05
2856	280	-0.44	1.01	-0.46	0.0	-8.05e-05	1.38e-05
2856	298	-0.36	1.01	-0.37	0.0	-6.51e-05	1.16e-05
2856	305	-0.61	0.97	-0.35	0.0	0.0	-4.25e-05
2856	307	-0.34	1.13	-0.35	0.0	-6.17e-05	1.12e-05
2856	310	-0.34	0.96	-0.35	0.0	-6.20e-05	1.08e-05
2857	44	-2.92	1.55	-0.58	0.0	1.12e-04	-4.36e-04
2857	68	-0.47	2.65	-0.53	0.0	-9.63e-05	1.86e-05
2857	76	-0.57	1.29	-0.69	0.0	-1.14e-04	1.85e-05
2857	124	-10.44	-3.40	-0.47	0.0	-4.79e-04	-2.42e-04
2857	129	4.31	14.74	0.12	0.0	1.45e-04	5.04e-04
2857	132	-4.92	-13.00	-0.86	0.0	-2.67e-04	-4.84e-04
2857	156	-11.70	-3.97	-0.48	0.0	-5.31e-04	-2.74e-04
2857	161	4.89	16.59	0.18	0.0	1.71e-04	5.68e-04
2857	164	-5.50	-14.85	-0.92	0.0	-2.93e-04	-5.48e-04
2857	188	-11.53	-4.14	-0.49	0.0	-5.24e-04	-2.74e-04
2857	193	4.87	17.19	0.20	0.0	1.71e-04	5.79e-04
2857	196	-5.48	-15.45	-0.94	0.0	-2.93e-04	-5.59e-04
2857	220	-13.37	-5.16	-0.51	0.0	-6.00e-04	-3.26e-04
2857	225	5.77	20.54	0.32	0.0	2.12e-04	6.90e-04
2857	228	-6.38	-18.80	-1.06	0.0	-3.34e-04	-6.70e-04
2857	264	-1.96	1.08	-0.41	0.0	7.13e-05	-2.90e-04
2857	276	-0.33	1.81	-0.38	0.0	-6.76e-05	1.30e-05
2857	280	-0.39	0.91	-0.48	0.0	-7.92e-05	1.29e-05
2857	298	-0.32	0.92	-0.39	0.0	-6.40e-05	1.08e-05
2857	305	-0.63	0.89	-0.37	0.0	-3.28e-05	-5.02e-05
2857	307	-0.30	1.03	-0.36	0.0	-6.06e-05	1.04e-05
2857	310	-0.30	0.87	-0.37	0.0	-6.10e-05	1.01e-05
2858	44	-2.72	1.73	-0.59	0.0	4.98e-04	-3.29e-04
2858	68	-0.51	2.87	-0.54	0.0	-9.64e-05	2.01e-05
2858	76	-0.62	1.47	-0.70	0.0	-1.14e-04	1.97e-05
2858	124	-10.64	-3.45	-0.47	0.0	-3.63e-04	-2.36e-04
2858	129	4.37	15.37	0.13	0.0	9.51e-05	5.16e-04
2858	132	-5.04	-13.43	-0.88	0.0	-2.17e-04	-4.94e-04
2858	156	-11.92	-4.04	-0.49	0.0	-4.00e-04	-2.67e-04
2858	161	4.96	17.29	0.19	0.0	1.15e-04	5.81e-04
2858	164	-5.63	-15.35	-0.94	0.0	-2.37e-04	-5.59e-04
2858	188	-11.75	-4.22	-0.50	0.0	-3.95e-04	-2.68e-04
2858	193	4.93	17.92	0.22	0.0	1.15e-04	5.93e-04
2858	196	-5.60	-15.97	-0.96	0.0	-2.37e-04	-5.71e-04
2858	220	-13.62	-5.27	-0.52	0.0	-4.50e-04	-3.18e-04
2858	225	5.85	21.39	0.34	0.0	1.47e-04	7.06e-04
2858	228	-6.52	-19.45	-1.08	0.0	-2.69e-04	-6.85e-04
2858	264	-1.83	1.20	-0.42	0.0	3.29e-04	-2.19e-04
2858	276	-0.36	1.96	-0.39	0.0	-6.77e-05	1.40e-05
2858	280	-0.43	1.03	-0.49	0.0	-7.94e-05	1.37e-05
2858	298	-0.35	1.03	-0.39	0.0	-6.42e-05	1.15e-05
2858	305	-0.63	0.99	-0.37	0.0	1.86e-05	-3.54e-05
2858	307	-0.33	1.14	-0.37	0.0	-6.07e-05	1.12e-05
2858	310	-0.34	0.97	-0.37	0.0	-6.11e-05	1.08e-05
2859	44	-3.15	1.56	-0.59	0.0	1.64e-04	-4.57e-04
2859	68	-0.46	2.66	-0.51	0.0	-9.49e-05	1.86e-05
2859	76	-0.56	1.30	-0.71	0.0	-1.13e-04	1.84e-05
2859	124	-10.55	-3.39	-0.59	0.0	-4.85e-04	-2.45e-04
2859	129	4.52	14.73	0.51	0.0	1.58e-04	5.06e-04
2859	132	-5.12	-12.98	-1.26	0.0	-2.79e-04	-4.86e-04
2859	156	-11.83	-3.96	-0.62	0.0	-5.37e-04	-2.77e-04
2859	161	5.13	16.57	0.63	0.0	1.86e-04	5.70e-04
2859	164	-5.73	-14.82	-1.38	0.0	-3.06e-04	-5.50e-04
2859	188	-11.66	-4.13	-0.63	0.0	-5.30e-04	-2.77e-04
2859	193	5.11	17.18	0.67	0.0	1.86e-04	5.81e-04
2859	196	-5.71	-15.43	-1.41	0.0	-3.07e-04	-5.61e-04
2859	220	-13.53	-5.15	-0.68	0.0	-6.07e-04	-3.29e-04
2859	225	6.07	20.52	0.88	0.0	2.30e-04	6.92e-04
2859	228	-6.66	-18.77	-1.63	0.0	-3.51e-04	-6.72e-04
2859	264	-2.12	1.09	-0.42	0.0	1.06e-04	-3.04e-04
2859	276	-0.32	1.82	-0.37	0.0	-6.66e-05	1.30e-05
2859	280	-0.39	0.91	-0.50	0.0	-7.84e-05	1.29e-05
2859	301	-0.31	0.91	-0.39	0.0	-6.25e-05	1.03e-05

2859	305	-0.66	0.89	-0.37	0.0	-2.54e-05	-5.30e-05
2859	307	-0.30	1.04	-0.36	0.0	-5.99e-05	1.04e-05
2859	310	-0.30	0.87	-0.37	0.0	-6.03e-05	1.01e-05
2860	44	-2.90	1.80	-0.65	0.0	6.15e-04	-3.55e-04
2860	68	-0.50	2.95	-0.57	0.0	-9.48e-05	2.01e-05
2860	83	-0.57	1.42	-0.77	0.0	-1.07e-04	1.70e-05
2860	124	-10.76	-3.43	-0.61	0.0	-3.28e-04	-2.55e-04
2860	129	4.59	15.50	0.43	0.0	9.12e-05	5.24e-04
2860	132	-5.25	-13.47	-1.25	0.0	-2.12e-04	-5.03e-04
2860	156	-12.05	-4.02	-0.63	0.0	-3.61e-04	-2.89e-04
2860	161	5.20	17.43	0.55	0.0	1.10e-04	5.90e-04
2860	164	-5.86	-15.40	-1.36	0.0	-2.31e-04	-5.69e-04
2860	188	-11.89	-4.21	-0.64	0.0	-3.57e-04	-2.89e-04
2860	193	5.19	18.06	0.58	0.0	1.12e-04	6.02e-04
2860	196	-5.85	-16.03	-1.39	0.0	-2.32e-04	-5.81e-04
2860	220	-13.78	-5.27	-0.69	0.0	-4.06e-04	-3.43e-04
2860	225	6.16	21.56	0.78	0.0	1.43e-04	7.17e-04
2860	228	-6.82	-19.53	-1.59	0.0	-2.64e-04	-6.96e-04
2860	264	-1.95	1.25	-0.46	0.0	4.07e-04	-2.36e-04
2860	276	-0.35	2.02	-0.41	0.0	-6.66e-05	1.40e-05
2860	283	-0.40	1.00	-0.54	0.0	-7.49e-05	1.20e-05
2860	301	-0.34	1.05	-0.43	0.0	-6.25e-05	1.09e-05
2860	305	-0.65	1.03	-0.40	0.0	3.47e-05	-3.88e-05
2860	307	-0.33	1.19	-0.39	0.0	-5.99e-05	1.11e-05
2860	310	-0.33	1.02	-0.41	0.0	-6.04e-05	1.07e-05
2861	44	-1.78	1.76	-0.41	0.0	-9.89e-05	-1.26e-04
2861	52	-0.71	2.67	-0.52	0.0	-1.21e-04	3.84e-05
2861	68	-0.61	2.92	-0.48	0.0	-1.05e-04	3.38e-05
2861	121	8.91	5.47	-0.62	0.0	3.23e-04	1.48e-04
2861	123	-10.60	4.64	-0.07	0.0	-4.94e-04	1.07e-04
2861	129	0.78	15.59	-0.58	0.0	-1.36e-05	4.73e-04
2861	153	10.06	6.06	-0.67	0.0	3.71e-04	1.65e-04
2861	155	-11.87	5.13	-0.04	0.0	-5.47e-04	1.19e-04
2861	161	0.92	17.54	-0.62	0.0	-7.39e-06	5.32e-04
2861	177	8.99	9.91	-0.67	0.0	3.45e-04	4.88e-04
2861	187	-11.69	5.30	-0.05	0.0	-5.38e-04	1.23e-04
2861	193	0.89	18.17	-0.63	0.0	-9.15e-06	5.42e-04
2861	209	10.54	11.71	-0.73	0.0	4.12e-04	5.73e-04
2861	219	-13.52	6.20	-0.02	0.0	-6.15e-04	1.46e-04
2861	225	1.10	21.70	-0.70	0.0	0.0	6.44e-04
2861	264	-1.21	1.22	-0.29	0.0	-6.96e-05	-8.28e-05
2861	268	-0.50	1.83	-0.37	0.0	-8.41e-05	2.67e-05
2861	276	-0.43	2.00	-0.34	0.0	-7.38e-05	2.36e-05
2861	298	-0.41	1.05	-0.29	0.0	-6.87e-05	2.07e-05
2861	305	-0.55	1.01	-0.28	0.0	-6.44e-05	-1.54e-06
2861	307	-0.39	1.17	-0.29	0.0	-6.53e-05	1.97e-05
2861	310	-0.39	0.99	-0.28	0.0	-6.54e-05	1.94e-05
2862	4	-0.31	1.85	-0.57	0.0	-1.91e-04	1.11e-04
2862	44	-1.95	1.76	-0.47	0.0	1.35e-04	-2.62e-04
2862	68	-0.60	2.91	-0.51	0.0	-1.03e-04	2.47e-05
2862	121	8.91	5.47	-0.52	0.0	3.34e-04	1.66e-04
2862	123	-10.62	4.64	-0.15	0.0	-4.24e-04	8.74e-05
2862	129	0.78	15.59	-0.43	0.0	1.09e-04	4.90e-04
2862	153	10.07	6.06	-0.54	0.0	3.83e-04	1.86e-04
2862	155	-11.89	5.12	-0.13	0.0	-4.69e-04	9.75e-05
2862	161	0.92	17.53	-0.45	0.0	1.30e-04	5.52e-04
2862	185	9.89	6.25	-0.54	0.0	3.75e-04	1.88e-04
2862	187	-11.72	5.30	-0.13	0.0	-4.61e-04	1.03e-04
2862	193	0.88	18.17	-0.45	0.0	1.28e-04	5.63e-04
2862	217	11.56	7.32	-0.58	0.0	4.47e-04	2.21e-04
2862	219	-13.56	6.20	-0.11	0.0	-5.25e-04	1.23e-04
2862	225	1.08	21.69	-0.47	0.0	1.61e-04	6.71e-04
2862	244	-0.23	1.29	-0.40	0.0	-1.31e-04	7.49e-05
2862	264	-1.32	1.22	-0.34	0.0	8.61e-05	-1.74e-04
2862	276	-0.42	1.99	-0.36	0.0	-7.22e-05	1.72e-05
2862	298	-0.41	1.05	-0.33	0.0	-6.75e-05	1.45e-05
2862	305	-0.56	1.01	-0.31	0.0	-3.24e-05	-2.43e-05
2862	307	-0.38	1.16	-0.31	0.0	-6.41e-05	1.40e-05
2862	310	-0.39	0.99	-0.31	0.0	-6.43e-05	1.36e-05
2863	44	-1.84	1.80	-0.42	-6.88e-05	-4.29e-05	1.32e-05
2863	52	-0.78	2.73	-0.53	-9.31e-05	-5.97e-05	3.31e-05
2863	68	-0.66	2.97	-0.49	-9.10e-05	-5.21e-05	2.88e-05
2863	121	9.06	5.54	-0.63	-1.11e-04	1.78e-04	1.38e-04
2863	123	-10.84	4.71	-0.07	-9.17e-05	-2.23e-04	1.02e-04
2863	129	0.77	15.78	-0.58	-2.56e-04	5.80e-05	4.55e-04

2863	153	10.24	6.14	-0.67	-1.20e-04	2.04e-04	1.54e-04
2863	155	-12.13	5.20	-0.05	-9.84e-05	-2.47e-04	1.13e-04
2863	161	0.91	17.74	-0.62	-2.84e-04	6.92e-05	5.12e-04
2863	177	9.15	10.03	-0.67	-1.74e-04	1.91e-04	4.87e-04
2863	187	-11.95	5.38	-0.06	-1.01e-04	-2.43e-04	1.18e-04
2863	193	0.88	18.39	-0.63	-2.93e-04	6.78e-05	5.21e-04
2863	209	10.74	11.86	-0.74	-2.01e-04	2.28e-04	5.71e-04
2863	219	-13.82	6.28	-0.02	-1.13e-04	-2.77e-04	1.39e-04
2863	225	1.10	21.95	-0.70	-3.44e-04	8.46e-05	6.19e-04
2863	264	-1.25	1.25	-0.30	-4.81e-05	-3.04e-05	9.81e-06
2863	268	-0.54	1.87	-0.37	-6.43e-05	-4.16e-05	2.31e-05
2863	276	-0.47	2.04	-0.34	-6.29e-05	-3.65e-05	2.02e-05
2863	298	-0.45	1.08	-0.30	-4.45e-05	-3.41e-05	1.81e-05
2863	305	-0.58	1.04	-0.28	-4.21e-05	-3.11e-05	1.52e-05
2863	307	-0.42	1.19	-0.29	-4.51e-05	-3.23e-05	1.72e-05
2863	310	-0.43	1.02	-0.29	-4.21e-05	-3.24e-05	1.70e-05
2864	4	-0.43	1.90	-0.59	0.0	-2.08e-04	5.01e-05
2864	44	-1.82	1.80	-0.49	0.0	1.85e-04	-5.03e-05
2864	68	-0.65	2.97	-0.52	0.0	-1.04e-04	2.66e-05
2864	121	9.05	5.54	-0.52	0.0	3.24e-04	1.48e-04
2864	123	-10.84	4.71	-0.16	0.0	-4.17e-04	1.10e-04
2864	129	0.77	15.78	-0.44	0.0	1.05e-04	4.85e-04
2864	153	10.22	6.15	-0.55	0.0	3.72e-04	1.65e-04
2864	155	-12.14	5.20	-0.14	0.0	-4.60e-04	1.22e-04
2864	161	0.91	17.75	-0.45	0.0	1.26e-04	5.46e-04
2864	185	10.05	6.33	-0.55	0.0	3.65e-04	1.67e-04
2864	187	-11.96	5.38	-0.14	0.0	-4.52e-04	1.28e-04
2864	193	0.87	18.39	-0.45	0.0	1.23e-04	5.57e-04
2864	217	11.74	7.41	-0.58	0.0	4.35e-04	1.97e-04
2864	219	-13.83	6.28	-0.11	0.0	-5.15e-04	1.52e-04
2864	225	1.07	21.95	-0.48	0.0	1.56e-04	6.64e-04
2864	244	-0.31	1.32	-0.41	0.0	-1.42e-04	3.42e-05
2864	264	-1.24	1.25	-0.35	0.0	1.20e-04	-3.27e-05
2864	276	-0.46	2.03	-0.37	0.0	-7.31e-05	1.86e-05
2864	298	-0.44	1.08	-0.33	0.0	-6.84e-05	1.56e-05
2864	305	-0.57	1.04	-0.32	0.0	-2.62e-05	4.76e-06
2864	307	-0.42	1.19	-0.32	0.0	-6.48e-05	1.50e-05
2864	310	-0.42	1.02	-0.32	0.0	-6.51e-05	1.46e-05
2865	4	-0.25	1.85	-0.62	0.0	-2.65e-04	1.05e-04
2865	44	-2.11	1.76	-0.52	0.0	3.90e-04	-2.55e-04
2865	68	-0.59	2.92	-0.53	0.0	-1.01e-04	2.21e-05
2865	122	8.92	-2.65	-0.47	0.0	2.43e-04	-5.27e-05
2865	124	-10.67	-3.49	-0.25	0.0	-4.06e-04	-1.53e-04
2865	129	4.05	15.59	-0.29	0.0	9.26e-05	4.94e-04
2865	154	10.07	-3.14	-0.48	0.0	2.81e-04	-6.17e-05
2865	156	-11.94	-4.08	-0.24	0.0	-4.48e-04	-1.74e-04
2865	161	4.60	17.54	-0.29	0.0	1.12e-04	5.57e-04
2865	186	9.90	-3.31	-0.48	0.0	2.74e-04	-6.73e-05
2865	188	-11.77	-4.26	-0.24	0.0	-4.42e-04	-1.76e-04
2865	193	4.56	18.17	-0.28	0.0	1.11e-04	5.69e-04
2865	218	11.56	-4.21	-0.51	0.0	3.28e-04	-8.57e-05
2865	220	-13.63	-5.33	-0.23	0.0	-5.03e-04	-2.12e-04
2865	225	5.40	21.70	-0.27	0.0	1.41e-04	6.78e-04
2865	244	-0.19	1.29	-0.43	0.0	-1.80e-04	7.06e-05
2865	264	-1.43	1.22	-0.37	0.0	2.56e-04	-1.69e-04
2865	276	-0.41	1.99	-0.38	0.0	-7.08e-05	1.54e-05
2865	298	-0.40	1.05	-0.35	0.0	-6.65e-05	1.26e-05
2865	305	-0.58	1.01	-0.33	0.0	2.39e-06	-2.47e-05
2865	307	-0.38	1.16	-0.33	0.0	-6.30e-05	1.22e-05
2865	310	-0.38	0.99	-0.34	0.0	-6.33e-05	1.18e-05
2866	4	-0.42	1.90	-0.63	0.0	-2.94e-04	4.59e-05
2866	44	-1.80	1.79	-0.53	0.0	4.83e-04	-5.17e-05
2866	68	-0.64	2.97	-0.54	0.0	-1.02e-04	2.39e-05
2866	122	9.02	-2.67	-0.48	0.0	2.29e-04	-8.22e-05
2866	124	-10.85	-3.51	-0.26	0.0	-3.91e-04	-1.24e-04
2866	129	4.09	15.78	-0.30	0.0	8.58e-05	4.86e-04
2866	154	10.19	-3.16	-0.49	0.0	2.65e-04	-9.50e-05
2866	156	-12.15	-4.11	-0.25	0.0	-4.31e-04	-1.41e-04
2866	161	4.65	17.75	-0.29	0.0	1.04e-04	5.48e-04
2866	186	10.02	-3.34	-0.49	0.0	2.58e-04	-1.00e-04
2866	188	-11.97	-4.30	-0.25	0.0	-4.25e-04	-1.44e-04
2866	193	4.60	18.39	-0.29	0.0	1.03e-04	5.60e-04
2866	218	11.70	-4.25	-0.51	0.0	3.10e-04	-1.25e-04
2866	220	-13.85	-5.38	-0.24	0.0	-4.84e-04	-1.74e-04
2866	225	5.46	21.95	-0.28	0.0	1.32e-04	6.67e-04

2866	244	-0.30	1.32	-0.44	0.0	-2.00e-04	3.13e-05
2866	264	-1.22	1.25	-0.38	0.0	3.18e-04	-3.37e-05
2866	276	-0.45	2.03	-0.39	0.0	-7.13e-05	1.66e-05
2866	298	-0.43	1.08	-0.36	0.0	-6.69e-05	1.36e-05
2866	305	-0.56	1.03	-0.34	0.0	1.45e-05	3.10e-06
2866	307	-0.41	1.19	-0.34	0.0	-6.35e-05	1.32e-05
2866	310	-0.41	1.02	-0.34	0.0	-6.37e-05	1.27e-05
2867	44	-2.24	1.76	-0.56	0.0	6.08e-04	-2.04e-04
2867	68	-0.57	2.92	-0.54	0.0	-9.87e-05	2.19e-05
2867	76	-0.69	1.51	-0.66	0.0	-1.16e-04	2.12e-05
2867	124	-10.72	-3.49	-0.36	0.0	-3.44e-04	-1.58e-04
2867	129	4.21	15.61	-0.15	0.0	7.61e-05	4.98e-04
2867	130	0.72	-11.49	-0.61	0.0	-3.93e-05	-2.70e-04
2867	156	-12.00	-4.09	-0.36	0.0	-3.79e-04	-1.80e-04
2867	161	4.79	17.55	-0.13	0.0	9.35e-05	5.61e-04
2867	162	0.84	-13.16	-0.64	0.0	-3.69e-05	-3.08e-04
2867	188	-11.83	-4.27	-0.37	0.0	-3.74e-04	-1.82e-04
2867	193	4.75	18.19	-0.12	0.0	9.32e-05	5.73e-04
2867	194	0.78	-13.72	-0.65	0.0	-3.98e-05	-3.22e-04
2867	220	-13.70	-5.34	-0.37	0.0	-4.25e-04	-2.19e-04
2867	225	5.63	21.71	-0.07	0.0	1.21e-04	6.84e-04
2867	226	0.94	-16.75	-0.71	0.0	-3.78e-05	-3.94e-04
2867	264	-1.51	1.22	-0.40	0.0	4.02e-04	-1.36e-04
2867	276	-0.40	2.00	-0.39	0.0	-6.93e-05	1.52e-05
2867	280	-0.48	1.06	-0.46	0.0	-8.08e-05	1.48e-05
2867	298	-0.39	1.05	-0.37	0.0	-6.53e-05	1.24e-05
2867	305	-0.59	1.01	-0.36	0.0	3.23e-05	-1.81e-05
2867	307	-0.37	1.17	-0.35	0.0	-6.19e-05	1.20e-05
2867	310	-0.37	0.99	-0.36	0.0	-6.22e-05	1.16e-05
2868	44	-1.78	1.79	-0.58	0.0	7.36e-04	-3.36e-05
2868	68	-0.62	2.97	-0.56	0.0	-9.90e-05	2.37e-05
2868	76	-0.75	1.54	-0.68	0.0	-1.16e-04	2.28e-05
2868	124	-10.86	-3.52	-0.37	0.0	-3.22e-04	-1.26e-04
2868	129	4.24	15.78	-0.16	0.0	6.65e-05	4.88e-04
2868	130	0.69	-11.61	-0.61	0.0	-4.26e-05	-2.88e-04
2868	156	-12.16	-4.12	-0.37	0.0	-3.54e-04	-1.44e-04
2868	161	4.82	17.75	-0.13	0.0	8.27e-05	5.49e-04
2868	162	0.82	-13.29	-0.65	0.0	-4.05e-05	-3.28e-04
2868	188	-11.99	-4.30	-0.38	0.0	-3.49e-04	-1.46e-04
2868	193	4.78	18.39	-0.12	0.0	8.26e-05	5.61e-04
2868	194	0.75	-13.85	-0.66	0.0	-4.33e-05	-3.42e-04
2868	220	-13.88	-5.38	-0.38	0.0	-3.96e-04	-1.77e-04
2868	225	5.68	21.96	-0.07	0.0	1.08e-04	6.70e-04
2868	226	0.92	-16.92	-0.71	0.0	-4.18e-05	-4.17e-04
2868	264	-1.21	1.25	-0.41	0.0	4.87e-04	-2.17e-05
2868	276	-0.44	2.03	-0.40	0.0	-6.94e-05	1.65e-05
2868	280	-0.52	1.08	-0.48	0.0	-8.10e-05	1.59e-05
2868	301	-0.42	1.05	-0.38	0.0	-6.46e-05	1.28e-05
2868	305	-0.55	1.03	-0.36	0.0	4.92e-05	5.33e-06
2868	307	-0.40	1.19	-0.36	0.0	-6.21e-05	1.30e-05
2868	310	-0.40	1.02	-0.37	0.0	-6.24e-05	1.25e-05
2869	44	-2.33	1.76	-0.60	0.0	7.86e-04	-1.49e-04
2869	68	-0.56	2.93	-0.55	0.0	-9.65e-05	2.20e-05
2869	76	-0.68	1.51	-0.71	0.0	-1.14e-04	2.12e-05
2869	124	-10.78	-3.49	-0.48	0.0	-2.76e-04	-1.66e-04
2869	129	4.40	15.62	0.13	0.0	5.84e-05	5.04e-04
2869	132	-5.13	-13.63	-0.89	0.0	-1.81e-04	-4.81e-04
2869	156	-12.07	-4.09	-0.50	0.0	-3.02e-04	-1.89e-04
2869	161	4.99	17.57	0.20	0.0	7.36e-05	5.68e-04
2869	164	-5.73	-15.58	-0.96	0.0	-1.96e-04	-5.44e-04
2869	188	-11.90	-4.27	-0.50	0.0	-2.99e-04	-1.91e-04
2869	193	4.97	18.21	0.22	0.0	7.44e-05	5.80e-04
2869	196	-5.70	-16.21	-0.98	0.0	-1.97e-04	-5.56e-04
2869	220	-13.79	-5.34	-0.53	0.0	-3.38e-04	-2.29e-04
2869	225	5.90	21.74	0.34	0.0	9.94e-05	6.91e-04
2869	228	-6.63	-19.74	-1.10	0.0	-2.22e-04	-6.68e-04
2869	264	-1.57	1.23	-0.43	0.0	5.20e-04	-9.89e-05
2869	276	-0.39	2.00	-0.39	0.0	-6.77e-05	1.53e-05
2869	280	-0.47	1.06	-0.50	0.0	-7.95e-05	1.48e-05
2869	298	-0.39	1.06	-0.40	0.0	-6.42e-05	1.24e-05
2869	305	-0.60	1.01	-0.38	0.0	5.68e-05	-1.08e-05
2869	307	-0.36	1.17	-0.37	0.0	-6.08e-05	1.21e-05
2869	310	-0.37	1.00	-0.38	0.0	-6.12e-05	1.16e-05
2870	44	-1.76	1.79	-0.62	0.0	9.35e-04	3.17e-06
2870	68	-0.61	2.97	-0.57	0.0	-9.65e-05	2.37e-05

2870	76	-0.74	1.54	-0.73	0.0	-1.14e-04	2.26e-05
2870	124	-10.88	-3.52	-0.49	0.0	-2.42e-04	-1.28e-04
2870	129	4.41	15.78	0.13	0.0	4.46e-05	4.89e-04
2870	132	-5.20	-13.75	-0.90	0.0	-1.67e-04	-4.64e-04
2870	156	-12.18	-4.12	-0.51	0.0	-2.65e-04	-1.47e-04
2870	161	5.01	17.75	0.19	0.0	5.81e-05	5.51e-04
2870	164	-5.80	-15.72	-0.97	0.0	-1.80e-04	-5.26e-04
2870	188	-12.01	-4.30	-0.51	0.0	-2.62e-04	-1.49e-04
2870	193	4.98	18.39	0.22	0.0	5.90e-05	5.63e-04
2870	196	-5.78	-16.36	-0.99	0.0	-1.81e-04	-5.38e-04
2870	220	-13.91	-5.39	-0.54	0.0	-2.95e-04	-1.81e-04
2870	225	5.93	21.95	0.34	0.0	8.13e-05	6.72e-04
2870	228	-6.72	-19.92	-1.11	0.0	-2.04e-04	-6.47e-04
2870	264	-1.19	1.25	-0.44	0.0	6.20e-04	2.82e-06
2870	276	-0.43	2.03	-0.40	0.0	-6.78e-05	1.65e-05
2870	280	-0.51	1.08	-0.51	0.0	-7.95e-05	1.58e-05
2870	301	-0.41	1.05	-0.40	0.0	-6.34e-05	1.27e-05
2870	305	-0.55	1.03	-0.39	0.0	7.68e-05	1.02e-05
2870	307	-0.39	1.19	-0.38	0.0	-6.08e-05	1.29e-05
2870	310	-0.40	1.02	-0.39	0.0	-6.12e-05	1.24e-05
2871	44	-2.38	1.78	-0.70	0.0	9.24e-04	-1.10e-04
2871	68	-0.55	2.95	-0.62	0.0	-9.47e-05	2.20e-05
2871	83	-0.62	1.39	-0.82	0.0	-1.07e-04	1.84e-05
2871	124	-10.85	-3.49	-0.62	0.0	-2.05e-04	-1.70e-04
2871	129	4.60	15.65	0.38	0.0	4.03e-05	5.07e-04
2871	132	-5.32	-13.63	-1.24	0.0	-1.61e-04	-4.83e-04
2871	156	-12.15	-4.09	-0.65	0.0	-2.23e-04	-1.94e-04
2871	161	5.22	17.60	0.49	0.0	5.33e-05	5.71e-04
2871	164	-5.94	-15.58	-1.35	0.0	-1.74e-04	-5.48e-04
2871	188	-11.99	-4.27	-0.66	0.0	-2.21e-04	-1.96e-04
2871	193	5.21	18.23	0.52	0.0	5.50e-05	5.83e-04
2871	196	-5.93	-16.22	-1.38	0.0	-1.76e-04	-5.60e-04
2871	220	-13.89	-5.34	-0.71	0.0	-2.48e-04	-2.35e-04
2871	225	6.19	21.77	0.72	0.0	7.69e-05	6.95e-04
2871	228	-6.91	-19.75	-1.58	0.0	-1.98e-04	-6.72e-04
2871	264	-1.61	1.24	-0.49	0.0	6.13e-04	-7.29e-05
2871	276	-0.39	2.02	-0.44	0.0	-6.65e-05	1.53e-05
2871	283	-0.43	0.98	-0.58	0.0	-7.49e-05	1.30e-05
2871	301	-0.37	1.04	-0.45	0.0	-6.25e-05	1.18e-05
2871	305	-0.60	1.03	-0.43	0.0	7.59e-05	-5.59e-06
2871	307	-0.36	1.18	-0.42	0.0	-5.99e-05	1.21e-05
2871	310	-0.36	1.01	-0.43	0.0	-6.04e-05	1.16e-05
2872	44	-1.74	1.79	-0.72	0.0	1.13e-03	1.31e-04
2872	68	-0.60	2.97	-0.65	0.0	-9.43e-05	2.40e-05
2872	83	-0.67	1.40	-0.86	0.0	-1.07e-04	2.00e-05
2872	124	-10.90	-3.52	-0.64	0.0	-1.34e-04	-7.82e-05
2872	129	4.59	15.78	0.36	0.0	1.31e-05	4.89e-04
2872	132	-5.37	-13.75	-1.25	0.0	-1.33e-04	-4.64e-04
2872	156	-12.20	-4.12	-0.66	0.0	-1.43e-04	-9.04e-05
2872	161	5.22	17.75	0.46	0.0	2.26e-05	5.51e-04
2872	164	-6.00	-15.72	-1.35	0.0	-1.43e-04	-5.26e-04
2872	188	-12.04	-4.30	-0.67	0.0	-1.42e-04	-9.57e-05
2872	193	5.21	18.39	0.50	0.0	2.44e-05	5.63e-04
2872	196	-5.98	-16.36	-1.39	0.0	-1.45e-04	-5.38e-04
2872	220	-13.95	-5.39	-0.72	0.0	-1.56e-04	-1.19e-04
2872	225	6.19	21.95	0.69	0.0	4.09e-05	6.72e-04
2872	228	-6.97	-19.92	-1.58	0.0	-1.61e-04	-6.47e-04
2872	264	-1.18	1.25	-0.51	0.0	7.50e-04	8.83e-05
2872	276	-0.42	2.03	-0.46	0.0	-6.62e-05	1.67e-05
2872	283	-0.47	0.98	-0.60	0.0	-7.46e-05	1.41e-05
2872	301	-0.40	1.05	-0.47	0.0	-6.23e-05	1.28e-05
2872	305	-0.54	1.03	-0.44	0.0	1.04e-04	2.74e-05
2872	307	-0.39	1.19	-0.43	0.0	-5.97e-05	1.30e-05
2872	310	-0.39	1.01	-0.44	0.0	-6.02e-05	1.25e-05
2873	44	-1.26	0.94	-1.47	0.0	-2.08e-04	2.19e-05
2873	52	-0.33	1.58	-1.70	0.0	-9.89e-05	1.50e-05
2873	68	-0.27	1.85	-1.48	0.0	-8.50e-05	1.34e-05
2873	116	-10.02	-5.58	-0.81	0.0	-1.01e-03	-3.25e-04
2873	129	4.85	12.23	-1.08	0.0	4.43e-04	3.96e-04
2873	148	-11.24	-6.39	-0.80	0.0	-1.13e-03	-3.66e-04
2873	161	5.49	13.79	-1.10	0.0	5.06e-04	4.46e-04
2873	180	-11.11	-6.63	-0.80	0.0	-1.11e-03	-3.65e-04
2873	193	5.52	14.30	-1.11	0.0	5.08e-04	4.54e-04
2873	212	-12.96	-8.07	-0.78	0.0	-1.29e-03	-4.32e-04
2873	225	6.56	17.13	-1.15	0.0	6.11e-04	5.42e-04

2873	264	-0.85	0.65	-1.03	0.0	-1.42e-04	1.50e-05
2873	268	-0.23	1.08	-1.19	0.0	-6.90e-05	1.04e-05
2873	276	-0.19	1.26	-1.04	0.0	-5.97e-05	9.32e-06
2873	298	-0.20	0.53	-0.96	0.0	-5.80e-05	7.87e-06
2873	305	-0.32	0.52	-0.91	0.0	-7.11e-05	8.72e-06
2873	307	-0.18	0.64	-0.91	0.0	-5.46e-05	7.58e-06
2873	310	-0.19	0.50	-0.91	0.0	-5.53e-05	7.39e-06
2874	44	-1.25	0.93	-1.41	0.0	-2.09e-04	2.20e-05
2874	68	-0.27	1.85	-1.41	0.0	-8.46e-05	1.34e-05
2874	76	-0.35	0.64	-1.63	0.0	-1.03e-04	1.37e-05
2874	116	-10.11	-5.58	-0.86	0.0	-1.01e-03	-3.25e-04
2874	129	4.95	12.22	-0.86	0.0	4.49e-04	3.95e-04
2874	138	1.14	-9.26	-0.90	0.0	6.12e-05	-6.56e-05
2874	148	-11.34	-6.39	-0.86	0.0	-1.13e-03	-3.66e-04
2874	161	5.61	13.78	-0.86	0.0	5.13e-04	4.46e-04
2874	170	1.29	-10.55	-0.90	0.0	7.44e-05	-7.54e-05
2874	180	-11.20	-6.63	-0.86	0.0	-1.12e-03	-3.65e-04
2874	193	5.63	14.30	-0.86	0.0	5.15e-04	4.54e-04
2874	202	1.22	-10.85	-0.90	0.0	6.62e-05	-7.74e-05
2874	212	-13.07	-8.08	-0.86	0.0	-1.30e-03	-4.32e-04
2874	225	6.69	17.12	-0.86	0.0	6.19e-04	5.42e-04
2874	234	1.42	-13.00	-0.91	0.0	8.31e-05	-9.36e-05
2874	264	-0.85	0.64	-0.99	0.0	-1.43e-04	1.51e-05
2874	276	-0.19	1.25	-0.99	0.0	-5.94e-05	9.33e-06
2874	280	-0.24	0.45	-1.14	0.0	-7.18e-05	9.55e-06
2874	298	-0.20	0.53	-0.92	0.0	-5.78e-05	7.87e-06
2874	305	-0.31	0.51	-0.87	0.0	-7.11e-05	8.73e-06
2874	307	-0.18	0.64	-0.87	0.0	-5.44e-05	7.58e-06
2874	310	-0.19	0.50	-0.87	0.0	-5.51e-05	7.39e-06
2875	44	-1.37	1.13	-1.50	0.0	-1.92e-04	1.61e-05
2875	52	-0.38	1.83	-1.74	0.0	-9.92e-05	1.68e-05
2875	68	-0.32	2.11	-1.52	0.0	-8.52e-05	1.50e-05
2875	116	-10.55	-5.85	-0.81	0.0	-8.87e-04	-3.45e-04
2875	129	5.09	13.08	-1.15	0.0	3.85e-04	4.17e-04
2875	148	-11.83	-6.71	-0.79	0.0	-9.90e-04	-3.89e-04
2875	161	5.76	14.74	-1.18	0.0	4.40e-04	4.70e-04
2875	180	-11.69	-6.97	-0.79	0.0	-9.78e-04	-3.88e-04
2875	193	5.78	15.28	-1.18	0.0	4.43e-04	4.78e-04
2875	212	-13.63	-8.51	-0.76	0.0	-1.13e-03	-4.59e-04
2875	225	6.87	18.29	-1.24	0.0	5.34e-04	5.71e-04
2875	264	-0.93	0.78	-1.05	0.0	-1.31e-04	1.12e-05
2875	268	-0.27	1.25	-1.21	0.0	-6.92e-05	1.16e-05
2875	276	-0.22	1.43	-1.07	0.0	-5.98e-05	1.05e-05
2875	298	-0.23	0.65	-0.98	0.0	-5.81e-05	8.78e-06
2875	305	-0.35	0.63	-0.93	0.0	-6.90e-05	8.61e-06
2875	307	-0.21	0.76	-0.93	0.0	-5.47e-05	8.46e-06
2875	310	-0.22	0.62	-0.93	0.0	-5.54e-05	8.24e-06
2876	44	-1.37	1.13	-1.43	0.0	-1.94e-04	1.61e-05
2876	68	-0.32	2.10	-1.43	0.0	-8.46e-05	1.50e-05
2876	76	-0.40	0.84	-1.65	0.0	-1.03e-04	1.53e-05
2876	116	-10.64	-5.85	-0.87	0.0	-8.94e-04	-3.45e-04
2876	129	5.19	13.08	-0.87	0.0	3.92e-04	4.17e-04
2876	138	1.17	-9.77	-0.91	0.0	4.22e-05	-6.87e-05
2876	148	-11.93	-6.71	-0.87	0.0	-9.98e-04	-3.89e-04
2876	161	5.88	14.74	-0.87	0.0	4.48e-04	4.70e-04
2876	170	1.33	-11.13	-0.91	0.0	5.32e-05	-7.90e-05
2876	180	-11.79	-6.97	-0.87	0.0	-9.85e-04	-3.88e-04
2876	193	5.91	15.28	-0.87	0.0	4.51e-04	4.78e-04
2876	202	1.25	-11.45	-0.91	0.0	4.58e-05	-8.11e-05
2876	212	-13.76	-8.51	-0.87	0.0	-1.14e-03	-4.59e-04
2876	225	7.02	18.29	-0.87	0.0	5.44e-04	5.71e-04
2876	234	1.46	-13.74	-0.92	0.0	5.95e-05	-9.83e-05
2876	264	-0.92	0.78	-1.00	0.0	-1.32e-04	1.12e-05
2876	276	-0.22	1.43	-1.00	0.0	-5.95e-05	1.05e-05
2876	280	-0.28	0.59	-1.15	0.0	-7.19e-05	1.06e-05
2876	298	-0.23	0.65	-0.93	0.0	-5.78e-05	8.78e-06
2876	305	-0.35	0.63	-0.88	0.0	-6.90e-05	8.61e-06
2876	307	-0.21	0.76	-0.88	0.0	-5.45e-05	8.46e-06
2876	310	-0.21	0.62	-0.88	0.0	-5.52e-05	8.24e-06
2877	44	-1.47	1.34	-1.52	0.0	-1.66e-04	1.04e-05
2877	52	-0.44	2.13	-1.76	0.0	-9.94e-05	1.87e-05
2877	68	-0.37	2.39	-1.55	0.0	-8.53e-05	1.68e-05
2877	116	-10.99	-6.13	-0.81	0.0	-7.13e-04	-3.65e-04
2877	129	5.27	13.99	-1.16	0.0	3.02e-04	4.39e-04
2877	148	-12.32	-7.05	-0.80	0.0	-7.94e-04	-4.12e-04

2877	161	5.97	15.75	-1.19	0.0	3.47e-04	4.94e-04
2877	180	-12.18	-7.32	-0.79	0.0	-7.85e-04	-4.10e-04
2877	193	6.00	16.33	-1.20	0.0	3.50e-04	5.03e-04
2877	212	-14.20	-8.96	-0.76	0.0	-9.09e-04	-4.86e-04
2877	225	7.14	19.53	-1.26	0.0	4.25e-04	6.00e-04
2877	264	-0.99	0.93	-1.07	0.0	-1.14e-04	7.43e-06
2877	268	-0.30	1.46	-1.23	0.0	-6.93e-05	1.30e-05
2877	276	-0.26	1.63	-1.08	0.0	-6.00e-05	1.17e-05
2877	298	-0.26	0.79	-0.99	0.0	-5.82e-05	9.77e-06
2877	305	-0.39	0.76	-0.94	0.0	-6.56e-05	8.57e-06
2877	307	-0.24	0.90	-0.94	0.0	-5.49e-05	9.42e-06
2877	310	-0.25	0.75	-0.94	0.0	-5.55e-05	9.16e-06
2878	44	-1.47	1.34	-1.45	0.0	-1.67e-04	1.04e-05
2878	68	-0.36	2.39	-1.44	0.0	-8.47e-05	1.68e-05
2878	76	-0.46	1.07	-1.67	0.0	-1.03e-04	1.70e-05
2878	116	-11.08	-6.13	-0.88	0.0	-7.19e-04	-3.65e-04
2878	129	5.38	13.99	-0.88	0.0	3.09e-04	4.39e-04
2878	138	1.18	-10.30	-0.92	0.0	1.42e-05	-7.21e-05
2878	148	-12.43	-7.04	-0.88	0.0	-8.02e-04	-4.12e-04
2878	161	6.10	15.75	-0.88	0.0	3.55e-04	4.95e-04
2878	170	1.35	-11.75	-0.92	0.0	2.18e-05	-8.30e-05
2878	180	-12.28	-7.32	-0.88	0.0	-7.92e-04	-4.10e-04
2878	193	6.13	16.33	-0.88	0.0	3.58e-04	5.04e-04
2878	202	1.27	-12.09	-0.92	0.0	1.55e-05	-8.53e-05
2878	212	-14.33	-8.96	-0.88	0.0	-9.18e-04	-4.86e-04
2878	225	7.29	19.52	-0.87	0.0	4.35e-04	6.00e-04
2878	234	1.49	-14.52	-0.93	0.0	2.45e-05	-1.03e-04
2878	264	-0.99	0.93	-1.01	0.0	-1.14e-04	7.42e-06
2878	276	-0.25	1.63	-1.01	0.0	-5.96e-05	1.17e-05
2878	280	-0.32	0.75	-1.16	0.0	-7.20e-05	1.18e-05
2878	298	-0.26	0.79	-0.94	0.0	-5.79e-05	9.77e-06
2878	305	-0.39	0.76	-0.89	0.0	-6.55e-05	8.57e-06
2878	307	-0.24	0.90	-0.89	0.0	-5.45e-05	9.42e-06
2878	310	-0.24	0.75	-0.89	0.0	-5.52e-05	9.16e-06
2879	44	-1.25	0.92	-1.38	0.0	-2.11e-04	2.21e-05
2879	68	-0.27	1.84	-1.36	0.0	-8.42e-05	1.34e-05
2879	76	-0.34	0.63	-1.60	0.0	-1.03e-04	1.37e-05
2879	116	-10.19	-5.59	-0.96	0.0	-1.02e-03	-3.25e-04
2879	129	5.05	12.22	-0.65	0.0	4.54e-04	3.95e-04
2879	140	-4.44	-10.96	-1.06	0.0	-4.74e-04	-2.08e-04
2879	148	-11.43	-6.40	-0.97	0.0	-1.14e-03	-3.66e-04
2879	161	5.72	13.78	-0.62	0.0	5.19e-04	4.46e-04
2879	172	-4.97	-12.47	-1.09	0.0	-5.27e-04	-2.35e-04
2879	180	-11.30	-6.64	-0.98	0.0	-1.12e-03	-3.65e-04
2879	193	5.75	14.30	-0.62	0.0	5.21e-04	4.54e-04
2879	196	-6.12	-13.31	-1.09	0.0	-6.31e-04	-4.39e-04
2879	212	-13.19	-8.08	-1.00	0.0	-1.31e-03	-4.32e-04
2879	225	6.84	17.13	-0.57	0.0	6.27e-04	5.42e-04
2879	228	-7.20	-16.14	-1.14	0.0	-7.37e-04	-5.27e-04
2879	264	-0.84	0.64	-0.97	0.0	-1.44e-04	1.52e-05
2879	276	-0.19	1.25	-0.96	0.0	-5.92e-05	9.33e-06
2879	280	-0.24	0.44	-1.11	0.0	-7.16e-05	9.56e-06
2879	298	-0.19	0.52	-0.90	0.0	-5.75e-05	7.88e-06
2879	305	-0.31	0.51	-0.85	0.0	-7.11e-05	8.74e-06
2879	307	-0.18	0.63	-0.85	0.0	-5.42e-05	7.58e-06
2879	310	-0.18	0.49	-0.86	0.0	-5.49e-05	7.39e-06
2880	44	-1.36	1.12	-1.37	0.0	-1.95e-04	1.61e-05
2880	68	-0.31	2.10	-1.35	0.0	-8.41e-05	1.50e-05
2880	76	-0.40	0.84	-1.59	0.0	-1.03e-04	1.53e-05
2880	116	-10.73	-5.85	-0.98	0.0	-9.01e-04	-3.45e-04
2880	129	5.29	13.08	-0.60	0.0	3.99e-04	4.17e-04
2880	140	-4.69	-11.57	-1.10	0.0	-4.27e-04	-2.21e-04
2880	148	-12.03	-6.71	-1.00	0.0	-1.01e-03	-3.89e-04
2880	161	5.99	14.74	-0.56	0.0	4.57e-04	4.70e-04
2880	172	-5.25	-13.17	-1.14	0.0	-4.73e-04	-2.50e-04
2880	180	-11.90	-6.97	-1.00	0.0	-9.93e-04	-3.88e-04
2880	193	6.03	15.28	-0.55	0.0	4.59e-04	4.78e-04
2880	196	-6.45	-14.05	-1.15	0.0	-5.69e-04	-4.62e-04
2880	212	-13.88	-8.51	-1.03	0.0	-1.15e-03	-4.59e-04
2880	225	7.17	18.29	-0.49	0.0	5.54e-04	5.71e-04
2880	228	-7.59	-17.06	-1.21	0.0	-6.64e-04	-5.54e-04
2880	264	-0.92	0.78	-0.96	0.0	-1.33e-04	1.12e-05
2880	276	-0.22	1.43	-0.95	0.0	-5.91e-05	1.05e-05
2880	280	-0.27	0.59	-1.11	0.0	-7.16e-05	1.06e-05
2880	298	-0.22	0.65	-0.90	0.0	-5.75e-05	8.78e-06

2880	305	-0.35	0.63	-0.85	0.0	-6.90e-05	8.61e-06
2880	307	-0.21	0.76	-0.85	0.0	-5.42e-05	8.46e-06
2880	310	-0.21	0.61	-0.85	0.0	-5.49e-05	8.24e-06
2881	44	-1.46	1.34	-1.38	0.0	-1.69e-04	1.04e-05
2881	68	-0.36	2.39	-1.36	0.0	-8.42e-05	1.68e-05
2881	76	-0.45	1.07	-1.60	0.0	-1.03e-04	1.70e-05
2881	116	-11.18	-6.13	-0.99	0.0	-7.26e-04	-3.66e-04
2881	129	5.49	13.99	-0.59	0.0	3.16e-04	4.39e-04
2881	140	-4.90	-12.21	-1.12	0.0	-3.56e-04	-2.34e-04
2881	148	-12.53	-7.05	-1.01	0.0	-8.09e-04	-4.12e-04
2881	161	6.22	15.75	-0.56	0.0	3.64e-04	4.95e-04
2881	172	-5.49	-13.92	-1.15	0.0	-3.94e-04	-2.65e-04
2881	180	-12.39	-7.32	-1.01	0.0	-8.00e-04	-4.11e-04
2881	193	6.26	16.33	-0.55	0.0	3.67e-04	5.04e-04
2881	196	-6.74	-14.84	-1.16	0.0	-4.77e-04	-4.85e-04
2881	212	-14.46	-8.96	-1.04	0.0	-9.27e-04	-4.86e-04
2881	225	7.45	19.53	-0.48	0.0	4.45e-04	6.01e-04
2881	228	-7.93	-18.03	-1.22	0.0	-5.55e-04	-5.82e-04
2881	264	-0.99	0.93	-0.97	0.0	-1.15e-04	7.42e-06
2881	276	-0.25	1.63	-0.95	0.0	-5.92e-05	1.17e-05
2881	280	-0.31	0.75	-1.11	0.0	-7.16e-05	1.18e-05
2881	298	-0.25	0.79	-0.90	0.0	-5.76e-05	9.77e-06
2881	305	-0.39	0.76	-0.85	0.0	-6.55e-05	8.57e-06
2881	307	-0.24	0.90	-0.85	0.0	-5.42e-05	9.42e-06
2881	310	-0.24	0.75	-0.85	0.0	-5.49e-05	9.16e-06
2882	44	-1.55	1.55	-1.54	0.0	-1.33e-04	6.81e-06
2882	52	-0.49	2.40	-1.77	0.0	-9.96e-05	2.06e-05
2882	68	-0.41	2.66	-1.55	0.0	-8.55e-05	1.85e-05
2882	116	-11.30	-6.38	-0.83	0.0	-5.22e-04	-3.85e-04
2882	129	5.40	14.82	-1.14	0.0	2.12e-04	4.60e-04
2882	148	-12.67	-7.34	-0.82	0.0	-5.80e-04	-4.34e-04
2882	161	6.12	16.68	-1.17	0.0	2.46e-04	5.18e-04
2882	180	-12.52	-7.64	-0.81	0.0	-5.74e-04	-4.32e-04
2882	193	6.15	17.29	-1.17	0.0	2.49e-04	5.27e-04
2882	212	-14.59	-9.36	-0.79	0.0	-6.62e-04	-5.12e-04
2882	225	7.32	20.66	-1.22	0.0	3.06e-04	6.28e-04
2882	264	-1.05	1.08	-1.08	0.0	-9.18e-05	5.11e-06
2882	268	-0.34	1.65	-1.24	0.0	-6.95e-05	1.43e-05
2882	276	-0.29	1.82	-1.09	0.0	-6.01e-05	1.29e-05
2882	298	-0.29	0.92	-0.99	0.0	-5.83e-05	1.07e-05
2882	305	-0.42	0.89	-0.94	0.0	-6.13e-05	8.80e-06
2882	307	-0.27	1.04	-0.95	0.0	-5.50e-05	1.04e-05
2882	310	-0.27	0.87	-0.94	0.0	-5.56e-05	1.01e-05
2883	44	-1.55	1.55	-1.46	0.0	-1.32e-04	6.19e-06
2883	68	-0.40	2.66	-1.46	0.0	-8.49e-05	1.85e-05
2883	76	-0.51	1.28	-1.68	0.0	-1.04e-04	1.86e-05
2883	116	-11.40	-6.39	-0.89	0.0	-5.24e-04	-3.83e-04
2883	129	5.52	14.82	-0.89	0.0	2.17e-04	4.59e-04
2883	138	1.19	-10.78	-0.93	0.0	-1.80e-05	-7.55e-05
2883	148	-12.78	-7.35	-0.88	0.0	-5.82e-04	-4.32e-04
2883	161	6.25	16.68	-0.88	0.0	2.52e-04	5.17e-04
2883	170	1.36	-12.31	-0.93	0.0	-1.41e-05	-8.70e-05
2883	180	-12.64	-7.64	-0.89	0.0	-5.76e-04	-4.30e-04
2883	193	6.29	17.29	-0.88	0.0	2.55e-04	5.26e-04
2883	202	1.27	-12.67	-0.93	0.0	-1.91e-05	-8.95e-05
2883	212	-14.73	-9.36	-0.88	0.0	-6.65e-04	-5.09e-04
2883	225	7.48	20.66	-0.88	0.0	3.14e-04	6.27e-04
2883	234	1.50	-15.23	-0.94	0.0	-1.54e-05	-1.09e-04
2883	264	-1.05	1.08	-1.02	0.0	-9.13e-05	4.69e-06
2883	276	-0.28	1.82	-1.02	0.0	-5.97e-05	1.29e-05
2883	280	-0.35	0.90	-1.17	0.0	-7.21e-05	1.30e-05
2883	298	-0.29	0.92	-0.95	0.0	-5.80e-05	1.07e-05
2883	305	-0.42	0.89	-0.90	0.0	-6.10e-05	8.72e-06
2883	307	-0.27	1.03	-0.90	0.0	-5.46e-05	1.04e-05
2883	310	-0.27	0.87	-0.90	0.0	-5.53e-05	1.01e-05
2884	44	-1.61	1.76	-1.54	0.0	-9.14e-05	2.04e-05
2884	52	-0.54	2.68	-1.76	0.0	-9.99e-05	2.25e-05
2884	68	-0.45	2.93	-1.55	0.0	-8.58e-05	2.02e-05
2884	116	-11.51	-6.59	-0.86	0.0	-3.20e-04	-3.81e-04
2884	129	5.48	15.59	-1.07	0.0	1.19e-04	4.69e-04
2884	148	-12.90	-7.60	-0.85	0.0	-3.53e-04	-4.30e-04
2884	161	6.22	17.53	-1.09	0.0	1.41e-04	5.29e-04
2884	180	-12.75	-7.91	-0.85	0.0	-3.50e-04	-4.29e-04
2884	193	6.25	18.16	-1.10	0.0	1.45e-04	5.38e-04
2884	212	-14.86	-9.71	-0.83	0.0	-4.01e-04	-5.08e-04

2884	225	7.44	21.68	-1.13	0.0	1.83e-04	6.42e-04
2884	264	-1.09	1.22	-1.08	0.0	-6.40e-05	1.42e-05
2884	268	-0.37	1.84	-1.23	0.0	-6.97e-05	1.56e-05
2884	276	-0.32	2.00	-1.09	0.0	-6.03e-05	1.41e-05
2884	298	-0.32	1.06	-0.99	0.0	-5.85e-05	1.17e-05
2884	305	-0.45	1.01	-0.94	0.0	-5.59e-05	1.13e-05
2884	307	-0.30	1.17	-0.94	0.0	-5.51e-05	1.13e-05
2884	310	-0.30	1.00	-0.94	0.0	-5.58e-05	1.09e-05
2885	44	-1.60	1.73	-1.47	0.0	-8.92e-05	4.97e-06
2885	68	-0.45	2.90	-1.47	0.0	-8.51e-05	2.03e-05
2885	76	-0.56	1.47	-1.69	0.0	-1.04e-04	2.03e-05
2885	116	-11.61	-6.61	-0.89	0.0	-3.22e-04	-3.96e-04
2885	129	5.60	15.56	-0.89	0.0	1.24e-04	4.76e-04
2885	138	1.17	-11.20	-0.93	0.0	-5.27e-05	-7.93e-05
2885	148	-13.01	-7.61	-0.89	0.0	-3.56e-04	-4.47e-04
2885	161	6.35	17.50	-0.89	0.0	1.47e-04	5.36e-04
2885	170	1.34	-12.80	-0.94	0.0	-5.29e-05	-9.15e-05
2885	180	-12.86	-7.92	-0.89	0.0	-3.53e-04	-4.45e-04
2885	193	6.38	18.13	-0.89	0.0	1.51e-04	5.46e-04
2885	202	1.25	-13.18	-0.94	0.0	-5.63e-05	-9.42e-05
2885	212	-14.99	-9.72	-0.89	0.0	-4.05e-04	-5.27e-04
2885	225	7.60	21.65	-0.88	0.0	1.91e-04	6.50e-04
2885	234	1.48	-15.86	-0.94	0.0	-5.83e-05	-1.15e-04
2885	264	-1.09	1.20	-1.03	0.0	-6.25e-05	3.93e-06
2885	276	-0.31	1.98	-1.03	0.0	-5.98e-05	1.42e-05
2885	280	-0.39	1.03	-1.18	0.0	-7.23e-05	1.41e-05
2885	298	-0.32	1.03	-0.95	0.0	-5.81e-05	1.17e-05
2885	305	-0.45	0.99	-0.90	0.0	-5.53e-05	9.28e-06
2885	307	-0.30	1.15	-0.90	0.0	-5.48e-05	1.13e-05
2885	310	-0.30	0.98	-0.91	0.0	-5.54e-05	1.10e-05
2886	44	-1.55	1.54	-1.40	0.0	-1.33e-04	5.49e-06
2886	68	-0.40	2.66	-1.38	0.0	-8.43e-05	1.85e-05
2886	76	-0.50	1.28	-1.62	0.0	-1.03e-04	1.86e-05
2886	116	-11.50	-6.39	-0.99	0.0	-5.32e-04	-3.80e-04
2886	129	5.63	14.82	-0.63	0.0	2.25e-04	4.58e-04
2886	140	-5.07	-12.80	-1.10	0.0	-2.78e-04	-2.45e-04
2886	148	-12.89	-7.35	-1.00	0.0	-5.92e-04	-4.29e-04
2886	161	6.38	16.68	-0.60	0.0	2.61e-04	5.16e-04
2886	172	-5.67	-14.60	-1.13	0.0	-3.07e-04	-2.77e-04
2886	180	-12.75	-7.64	-1.01	0.0	-5.86e-04	-4.27e-04
2886	193	6.42	17.28	-0.59	0.0	2.65e-04	5.25e-04
2886	196	-6.96	-15.55	-1.14	0.0	-3.75e-04	-5.05e-04
2886	212	-14.87	-9.36	-1.03	0.0	-6.77e-04	-5.06e-04
2886	225	7.65	20.65	-0.53	0.0	3.25e-04	6.26e-04
2886	228	-8.18	-18.92	-1.20	0.0	-4.35e-04	-6.06e-04
2886	264	-1.04	1.07	-0.99	0.0	-9.19e-05	4.23e-06
2886	276	-0.28	1.82	-0.97	0.0	-5.92e-05	1.29e-05
2886	280	-0.35	0.90	-1.13	0.0	-7.17e-05	1.30e-05
2886	298	-0.28	0.92	-0.91	0.0	-5.76e-05	1.07e-05
2886	305	-0.42	0.88	-0.86	0.0	-6.08e-05	8.63e-06
2886	307	-0.26	1.03	-0.86	0.0	-5.43e-05	1.04e-05
2886	310	-0.27	0.87	-0.87	0.0	-5.50e-05	1.01e-05
2887	44	-1.61	1.71	-1.45	0.0	-8.69e-05	-1.17e-05
2887	68	-0.44	2.88	-1.44	0.0	-8.44e-05	2.04e-05
2887	76	-0.55	1.44	-1.67	0.0	-1.03e-04	2.04e-05
2887	116	-11.72	-6.63	-0.98	0.0	-3.25e-04	-4.11e-04
2887	129	5.72	15.55	-0.72	0.0	1.29e-04	4.83e-04
2887	140	-5.18	-13.34	-1.07	0.0	-1.96e-04	-2.61e-04
2887	148	-13.14	-7.63	-0.99	0.0	-3.58e-04	-4.63e-04
2887	161	6.49	17.49	-0.69	0.0	1.53e-04	5.43e-04
2887	172	-5.80	-15.22	-1.09	0.0	-2.14e-04	-2.96e-04
2887	180	-12.99	-7.94	-1.00	0.0	-3.56e-04	-4.61e-04
2887	193	6.53	18.13	-0.69	0.0	1.57e-04	5.53e-04
2887	204	-5.78	-15.67	-1.09	0.0	-2.16e-04	-2.95e-04
2887	212	-15.15	-9.74	-1.02	0.0	-4.09e-04	-5.46e-04
2887	225	7.78	21.65	-0.64	0.0	1.98e-04	6.59e-04
2887	228	-8.37	-19.73	-1.13	0.0	-3.08e-04	-6.37e-04
2887	264	-1.09	1.19	-1.02	0.0	-6.10e-05	-7.20e-06
2887	276	-0.31	1.97	-1.01	0.0	-5.93e-05	1.42e-05
2887	280	-0.38	1.01	-1.16	0.0	-7.19e-05	1.42e-05
2887	298	-0.31	1.02	-0.94	0.0	-5.78e-05	1.18e-05
2887	305	-0.45	0.98	-0.89	0.0	-5.47e-05	7.10e-06
2887	307	-0.29	1.14	-0.89	0.0	-5.44e-05	1.14e-05
2887	310	-0.30	0.96	-0.89	0.0	-5.51e-05	1.10e-05
2888	4	-0.28	1.88	-1.76	0.0	-1.13e-04	2.33e-05

2888	44	-1.64	1.78	-1.54	0.0	-5.79e-05	1.79e-05
2888	68	-0.50	2.95	-1.55	0.0	-8.60e-05	2.24e-05
2888	116	-11.59	-6.61	-0.88	0.0	-1.67e-04	-3.95e-04
2888	129	5.50	15.66	-1.04	0.0	5.07e-05	4.84e-04
2888	148	-12.98	-7.62	-0.88	0.0	-1.81e-04	-4.47e-04
2888	161	6.24	17.61	-1.05	0.0	6.47e-05	5.46e-04
2888	180	-12.83	-7.93	-0.87	0.0	-1.81e-04	-4.46e-04
2888	193	6.27	18.24	-1.05	0.0	6.79e-05	5.57e-04
2888	212	-14.95	-9.74	-0.86	0.0	-2.04e-04	-5.28e-04
2888	225	7.47	21.78	-1.08	0.0	9.24e-05	6.64e-04
2888	244	-0.20	1.30	-1.23	0.0	-7.85e-05	1.62e-05
2888	264	-1.11	1.24	-1.09	0.0	-4.17e-05	1.26e-05
2888	276	-0.35	2.02	-1.09	0.0	-6.04e-05	1.56e-05
2888	298	-0.35	1.07	-0.99	0.0	-5.86e-05	1.28e-05
2888	305	-0.48	1.02	-0.94	0.0	-5.15e-05	1.18e-05
2888	307	-0.33	1.18	-0.94	0.0	-5.52e-05	1.24e-05
2888	310	-0.33	1.01	-0.94	0.0	-5.59e-05	1.20e-05
2889	44	-1.63	1.76	-1.48	0.0	-5.42e-05	1.94e-05
2889	68	-0.49	2.93	-1.48	0.0	-8.52e-05	2.24e-05
2889	76	-0.61	1.51	-1.70	0.0	-1.04e-04	2.19e-05
2889	116	-11.69	-6.63	-0.90	0.0	-1.70e-04	-3.93e-04
2889	129	5.62	15.65	-0.90	0.0	5.59e-05	4.83e-04
2889	138	1.13	-11.25	-0.94	0.0	-8.10e-05	-8.56e-05
2889	148	-13.10	-7.64	-0.90	0.0	-1.84e-04	-4.44e-04
2889	161	6.38	17.60	-0.89	0.0	7.05e-05	5.44e-04
2889	170	1.30	-12.86	-0.94	0.0	-8.45e-05	-9.87e-05
2889	180	-12.95	-7.95	-0.90	0.0	-1.84e-04	-4.43e-04
2889	193	6.42	18.24	-0.89	0.0	7.39e-05	5.55e-04
2889	202	1.22	-13.24	-0.94	0.0	-8.65e-05	-1.02e-04
2889	212	-15.09	-9.76	-0.89	0.0	-2.08e-04	-5.25e-04
2889	225	7.65	21.78	-0.89	0.0	9.96e-05	6.62e-04
2889	234	1.44	-15.93	-0.95	0.0	-9.30e-05	-1.24e-04
2889	264	-1.10	1.22	-1.04	0.0	-3.92e-05	1.36e-05
2889	276	-0.34	2.01	-1.04	0.0	-5.99e-05	1.56e-05
2889	280	-0.42	1.05	-1.19	0.0	-7.24e-05	1.53e-05
2889	298	-0.34	1.05	-0.96	0.0	-5.82e-05	1.27e-05
2889	305	-0.47	1.01	-0.91	0.0	-5.07e-05	1.20e-05
2889	307	-0.32	1.17	-0.91	0.0	-5.48e-05	1.23e-05
2889	310	-0.33	1.00	-0.91	0.0	-5.55e-05	1.19e-05
2890	4	-0.34	1.90	-1.78	0.0	-1.25e-04	1.37e-05
2890	44	-1.65	1.80	-1.56	0.0	-1.91e-05	5.79e-05
2890	68	-0.54	2.97	-1.56	0.0	-8.66e-05	2.45e-05
2890	116	-11.61	-6.66	-0.90	0.0	-1.01e-04	-3.81e-04
2890	129	5.49	15.78	-1.04	0.0	2.02e-05	4.83e-04
2890	148	-13.00	-7.68	-0.89	0.0	-1.07e-04	-4.31e-04
2890	161	6.23	17.75	-1.05	0.0	3.02e-05	5.44e-04
2890	180	-12.85	-7.99	-0.89	0.0	-1.06e-04	-4.31e-04
2890	193	6.27	18.39	-1.05	0.0	3.24e-05	5.56e-04
2890	212	-14.97	-9.82	-0.88	0.0	-1.16e-04	-5.11e-04
2890	225	7.48	21.96	-1.07	0.0	5.03e-05	6.63e-04
2890	244	-0.24	1.32	-1.24	0.0	-8.67e-05	9.90e-06
2890	264	-1.12	1.25	-1.10	0.0	-1.59e-05	3.93e-05
2890	276	-0.38	2.03	-1.10	0.0	-6.08e-05	1.71e-05
2890	298	-0.38	1.08	-1.00	0.0	-5.89e-05	1.39e-05
2890	305	-0.50	1.03	-0.95	0.0	-4.65e-05	1.79e-05
2890	307	-0.35	1.19	-0.95	0.0	-5.55e-05	1.35e-05
2890	310	-0.36	1.02	-0.95	0.0	-5.62e-05	1.30e-05
2891	44	-1.64	1.80	-1.50	0.0	-4.11e-05	3.34e-05
2891	68	-0.53	2.97	-1.49	0.0	-8.52e-05	2.42e-05
2891	76	-0.66	1.55	-1.72	0.0	-1.04e-04	2.34e-05
2891	116	-11.71	-6.66	-0.90	0.0	-1.18e-04	-3.84e-04
2891	129	5.61	15.79	-0.90	0.0	3.34e-05	4.85e-04
2891	138	1.09	-11.33	-0.95	0.0	-9.09e-05	-9.09e-05
2891	148	-13.11	-7.68	-0.90	0.0	-1.26e-04	-4.34e-04
2891	161	6.37	17.75	-0.90	0.0	4.51e-05	5.47e-04
2891	170	1.25	-12.95	-0.95	0.0	-9.56e-05	-1.05e-04
2891	180	-12.97	-7.99	-0.90	0.0	-1.27e-04	-4.34e-04
2891	193	6.41	18.40	-0.90	0.0	4.79e-05	5.58e-04
2891	202	1.17	-13.33	-0.95	0.0	-9.71e-05	-1.09e-04
2891	212	-15.11	-9.82	-0.90	0.0	-1.40e-04	-5.15e-04
2891	225	7.65	21.96	-0.90	0.0	6.88e-05	6.66e-04
2891	234	1.38	-16.05	-0.96	0.0	-1.05e-04	-1.32e-04
2891	264	-1.11	1.25	-1.05	0.0	-3.05e-05	2.30e-05
2891	276	-0.37	2.03	-1.05	0.0	-5.99e-05	1.69e-05
2891	280	-0.46	1.08	-1.20	0.0	-7.24e-05	1.63e-05

2891	298	-0.37	1.08	-0.97	0.0	-5.82e-05	1.37e-05
2891	305	-0.50	1.03	-0.92	0.0	-4.89e-05	1.45e-05
2891	307	-0.35	1.19	-0.92	0.0	-5.48e-05	1.33e-05
2891	310	-0.36	1.02	-0.92	0.0	-5.55e-05	1.28e-05
2892	44	-1.62	1.74	-1.48	0.0	-4.90e-05	2.12e-05
2892	68	-0.48	2.92	-1.47	0.0	-8.45e-05	2.23e-05
2892	76	-0.60	1.49	-1.70	0.0	-1.03e-04	2.18e-05
2892	116	-11.79	-6.64	-0.91	0.0	-1.66e-04	-3.90e-04
2892	129	5.74	15.64	-0.79	0.0	5.89e-05	4.82e-04
2892	138	1.12	-11.26	-1.05	0.0	-8.50e-05	-8.61e-05
2892	148	-13.21	-7.65	-0.91	0.0	-1.80e-04	-4.41e-04
2892	161	6.52	17.59	-0.78	0.0	7.39e-05	5.43e-04
2892	170	1.28	-12.87	-1.07	0.0	-8.91e-05	-9.93e-05
2892	180	-13.07	-7.96	-0.91	0.0	-1.81e-04	-4.40e-04
2892	193	6.56	18.23	-0.77	0.0	7.74e-05	5.54e-04
2892	202	1.20	-13.25	-1.07	0.0	-9.11e-05	-1.02e-04
2892	212	-15.23	-9.77	-0.91	0.0	-2.03e-04	-5.21e-04
2892	225	7.82	21.77	-0.74	0.0	1.04e-04	6.60e-04
2892	234	1.41	-15.94	-1.10	0.0	-9.85e-05	-1.25e-04
2892	264	-1.10	1.21	-1.04	0.0	-3.58e-05	1.48e-05
2892	276	-0.34	1.99	-1.04	0.0	-5.94e-05	1.56e-05
2892	280	-0.42	1.04	-1.19	0.0	-7.20e-05	1.52e-05
2892	298	-0.34	1.04	-0.95	0.0	-5.78e-05	1.27e-05
2892	305	-0.47	1.00	-0.91	0.0	-4.98e-05	1.22e-05
2892	307	-0.32	1.16	-0.91	0.0	-5.45e-05	1.23e-05
2892	310	-0.32	0.99	-0.91	0.0	-5.52e-05	1.19e-05
2893	44	-1.63	1.80	-1.51	0.0	0.0	8.26e-06
2893	68	-0.52	2.97	-1.50	0.0	-8.44e-05	2.47e-05
2893	76	-0.66	1.55	-1.72	0.0	-1.03e-04	2.39e-05
2893	116	-11.81	-6.66	-0.92	0.0	-1.05e-04	-3.86e-04
2893	129	5.74	15.79	-0.81	0.0	3.14e-05	4.86e-04
2893	138	1.07	-11.33	-1.05	0.0	-9.65e-05	-9.02e-05
2893	148	-13.23	-7.68	-0.92	0.0	-1.11e-04	-4.36e-04
2893	161	6.51	17.75	-0.80	0.0	4.27e-05	5.47e-04
2893	170	1.23	-12.95	-1.07	0.0	-1.02e-04	-1.04e-04
2893	180	-13.09	-7.99	-0.92	0.0	-1.10e-04	-4.36e-04
2893	193	6.56	18.40	-0.79	0.0	4.48e-05	5.59e-04
2893	202	1.14	-13.33	-1.07	0.0	-1.04e-04	-1.08e-04
2893	212	-15.25	-9.82	-0.92	0.0	-1.21e-04	-5.17e-04
2893	225	7.83	21.96	-0.77	0.0	6.49e-05	6.67e-04
2893	234	1.36	-16.05	-1.10	0.0	-1.13e-04	-1.31e-04
2893	264	-1.10	1.25	-1.06	0.0	-2.39e-06	6.24e-06
2893	276	-0.37	2.04	-1.05	0.0	-5.93e-05	1.72e-05
2893	280	-0.46	1.08	-1.20	0.0	-7.20e-05	1.67e-05
2893	298	-0.37	1.08	-0.96	0.0	-5.78e-05	1.39e-05
2893	305	-0.49	1.04	-0.92	0.0	-4.31e-05	1.14e-05
2893	307	-0.35	1.19	-0.92	0.0	-5.44e-05	1.35e-05
2893	310	-0.35	1.02	-0.92	0.0	-5.52e-05	1.31e-05
2894	44	-2.10	1.10	-0.85	0.0	-1.36e-03	6.18e-04
2894	52	-0.28	1.80	-1.04	0.0	-8.23e-05	3.07e-06
2894	68	-0.23	2.07	-0.94	0.0	-6.99e-05	2.55e-06
2894	116	-10.84	-5.74	-0.04	0.0	-1.05e-03	-2.48e-04
2894	129	5.86	12.83	-1.39	0.0	5.30e-04	3.45e-04
2894	148	-12.17	-6.58	0.03	0.0	-1.18e-03	-2.79e-04
2894	161	6.63	14.46	-1.50	0.0	6.03e-04	3.89e-04
2894	180	-12.04	-6.83	0.05	0.0	-1.16e-03	-2.78e-04
2894	193	6.69	14.99	-1.53	0.0	6.09e-04	3.98e-04
2894	212	-14.07	-8.34	0.16	0.0	-1.35e-03	-3.29e-04
2894	225	7.97	17.94	-1.74	0.0	7.31e-04	4.76e-04
2894	264	-1.41	0.76	-0.60	0.0	-9.08e-04	4.12e-04
2894	268	-0.19	1.23	-0.73	0.0	-5.75e-05	2.18e-06
2894	276	-0.16	1.41	-0.66	0.0	-4.92e-05	1.83e-06
2894	298	-0.17	0.64	-0.57	0.0	-4.94e-05	1.59e-06
2894	305	-0.41	0.62	-0.54	0.0	-2.18e-04	8.35e-05
2894	307	-0.16	0.75	-0.55	0.0	-4.64e-05	1.51e-06
2894	310	-0.16	0.60	-0.54	0.0	-4.73e-05	1.40e-06
2895	44	-1.81	1.09	-0.64	0.0	-1.04e-03	5.98e-04
2895	52	-0.28	1.79	-0.77	0.0	-8.96e-05	3.31e-06
2895	68	-0.23	2.06	-0.69	0.0	-7.61e-05	2.63e-06
2895	116	-10.95	-5.75	-0.15	0.0	-1.02e-03	-2.47e-04
2895	129	6.02	12.82	-0.71	0.0	5.23e-04	3.43e-04
2895	148	-12.29	-6.59	-0.12	0.0	-1.14e-03	-2.78e-04
2895	161	6.81	14.45	-0.75	0.0	5.96e-04	3.87e-04
2895	180	-12.17	-6.84	-0.11	0.0	-1.13e-03	-2.77e-04
2895	193	6.88	14.98	-0.76	0.0	6.03e-04	3.96e-04

2895	212	-14.22	-8.35	-0.06	0.0	-1.31e-03	-3.28e-04
2895	225	8.19	17.94	-0.83	0.0	7.25e-04	4.74e-04
2895	264	-1.21	0.75	-0.45	0.0	-6.93e-04	3.99e-04
2895	268	-0.19	1.22	-0.54	0.0	-6.26e-05	2.34e-06
2895	276	-0.16	1.40	-0.48	0.0	-5.36e-05	1.89e-06
2895	298	-0.17	0.63	-0.43	0.0	-5.35e-05	1.77e-06
2895	305	-0.37	0.61	-0.41	0.0	-1.78e-04	8.10e-05
2895	307	-0.16	0.74	-0.42	0.0	-5.02e-05	1.65e-06
2895	310	-0.16	0.59	-0.41	0.0	-5.12e-05	1.57e-06
2896	44	-2.85	1.21	-0.86	0.0	-9.19e-04	9.99e-04
2896	52	-0.32	1.97	-1.04	0.0	-8.23e-05	-7.00e-06
2896	68	-0.27	2.24	-0.95	0.0	-7.00e-05	-5.96e-06
2896	116	-11.39	-5.99	-0.05	0.0	-9.24e-04	-2.35e-04
2896	129	6.14	13.50	-1.35	0.0	4.63e-04	3.50e-04
2896	148	-12.78	-6.87	0.01	0.0	-1.03e-03	-2.64e-04
2896	161	6.94	15.21	-1.46	0.0	5.28e-04	3.96e-04
2896	180	-12.66	-7.14	0.03	0.0	-1.02e-03	-2.64e-04
2896	193	7.01	15.77	-1.49	0.0	5.33e-04	4.06e-04
2896	212	-14.78	-8.72	0.14	0.0	-1.19e-03	-3.12e-04
2896	225	8.35	18.86	-1.69	0.0	6.41e-04	4.88e-04
2896	264	-1.91	0.84	-0.61	0.0	-6.15e-04	6.66e-04
2896	268	-0.22	1.34	-0.73	0.0	-5.75e-05	-4.77e-06
2896	276	-0.19	1.53	-0.66	0.0	-4.93e-05	-4.08e-06
2896	298	-0.20	0.71	-0.57	0.0	-4.93e-05	-4.13e-06
2896	305	-0.53	0.69	-0.54	0.0	-1.60e-04	1.30e-04
2896	307	-0.18	0.82	-0.55	0.0	-4.63e-05	-3.82e-06
2896	310	-0.19	0.67	-0.54	0.0	-4.72e-05	-4.04e-06
2897	44	-2.35	1.21	-0.66	0.0	-7.13e-04	9.83e-04
2897	52	-0.33	1.96	-0.78	0.0	-8.84e-05	-6.64e-06
2897	68	-0.27	2.24	-0.70	0.0	-7.51e-05	-5.72e-06
2897	116	-11.49	-5.99	-0.14	0.0	-9.12e-04	-2.28e-04
2897	129	6.29	13.50	-0.74	0.0	4.67e-04	3.44e-04
2897	148	-12.89	-6.87	-0.11	0.0	-1.02e-03	-2.56e-04
2897	161	7.12	15.21	-0.78	0.0	5.33e-04	3.89e-04
2897	180	-12.76	-7.14	-0.11	0.0	-1.01e-03	-2.55e-04
2897	193	7.20	15.77	-0.79	0.0	5.40e-04	3.99e-04
2897	212	-14.91	-8.72	-0.05	0.0	-1.17e-03	-3.02e-04
2897	225	8.57	18.86	-0.87	0.0	6.51e-04	4.79e-04
2897	264	-1.57	0.84	-0.46	0.0	-4.78e-04	6.55e-04
2897	268	-0.23	1.34	-0.55	0.0	-6.17e-05	-4.52e-06
2897	276	-0.19	1.53	-0.49	0.0	-5.28e-05	-3.91e-06
2897	298	-0.20	0.71	-0.44	0.0	-5.29e-05	-3.88e-06
2897	305	-0.46	0.68	-0.42	0.0	-1.35e-04	1.28e-04
2897	307	-0.19	0.82	-0.42	0.0	-4.96e-05	-3.62e-06
2897	310	-0.19	0.67	-0.42	0.0	-5.06e-05	-3.81e-06
2898	44	-3.24	1.33	-0.87	0.0	-3.44e-04	1.18e-03
2898	52	-0.37	2.14	-1.05	0.0	-8.37e-05	-1.56e-05
2898	68	-0.30	2.42	-0.95	0.0	-7.13e-05	-1.29e-05
2898	116	-11.85	-6.22	-0.07	0.0	-7.50e-04	-2.45e-04
2898	129	6.36	14.16	-1.32	0.0	3.73e-04	3.70e-04
2898	148	-13.29	-7.15	-8.81e-03	0.0	-8.37e-04	-2.75e-04
2898	161	7.20	15.94	-1.42	0.0	4.27e-04	4.20e-04
2898	180	-13.16	-7.43	5.98e-03	0.0	-8.29e-04	-2.75e-04
2898	193	7.27	16.53	-1.46	0.0	4.32e-04	4.31e-04
2898	212	-15.37	-9.08	0.11	0.0	-9.62e-04	-3.24e-04
2898	225	8.66	19.77	-1.64	0.0	5.22e-04	5.19e-04
2898	264	-2.17	0.93	-0.61	0.0	-2.32e-04	7.89e-04
2898	268	-0.25	1.46	-0.73	0.0	-5.85e-05	-1.07e-05
2898	276	-0.21	1.65	-0.67	0.0	-5.02e-05	-8.88e-06
2898	298	-0.22	0.79	-0.57	0.0	-5.00e-05	-9.17e-06
2898	305	-0.60	0.76	-0.54	0.0	-8.34e-05	1.51e-04
2898	307	-0.21	0.90	-0.56	0.0	-4.70e-05	-8.44e-06
2898	310	-0.21	0.74	-0.55	0.0	-4.79e-05	-8.83e-06
2899	44	-2.65	1.33	-0.67	0.0	-2.92e-04	1.17e-03
2899	52	-0.37	2.14	-0.79	0.0	-8.66e-05	-1.59e-05
2899	68	-0.31	2.42	-0.71	0.0	-7.35e-05	-1.32e-05
2899	116	-11.94	-6.22	-0.14	0.0	-7.54e-04	-2.40e-04
2899	129	6.53	14.15	-0.76	0.0	3.87e-04	3.66e-04
2899	148	-13.40	-7.14	-0.10	0.0	-8.42e-04	-2.70e-04
2899	161	7.39	15.94	-0.80	0.0	4.43e-04	4.16e-04
2899	180	-13.27	-7.42	-0.10	0.0	-8.34e-04	-2.69e-04
2899	193	7.47	16.52	-0.81	0.0	4.49e-04	4.27e-04
2899	212	-15.50	-9.08	-0.04	0.0	-9.69e-04	-3.18e-04
2899	225	8.90	19.76	-0.89	0.0	5.44e-04	5.14e-04
2899	264	-1.78	0.93	-0.47	0.0	-1.98e-04	7.81e-04

2899	268	-0.26	1.46	-0.56	0.0	-6.05e-05	-1.09e-05
2899	276	-0.22	1.65	-0.50	0.0	-5.18e-05	-9.10e-06
2899	298	-0.23	0.79	-0.45	0.0	-5.19e-05	-9.33e-06
2899	305	-0.52	0.76	-0.42	0.0	-7.78e-05	1.49e-04
2899	307	-0.21	0.90	-0.43	0.0	-4.86e-05	-8.60e-06
2899	310	-0.22	0.74	-0.43	0.0	-4.96e-05	-8.99e-06
2900	4	0.08	1.08	-0.54	0.0	6.23e-05	-1.86e-04
2900	44	-1.49	1.08	-0.44	0.0	-6.42e-04	6.43e-04
2900	68	-0.23	2.05	-0.46	0.0	-8.33e-05	4.56e-06
2900	116	-11.06	-5.75	-0.07	0.0	-9.81e-04	-2.40e-04
2900	118	9.17	0.20	-0.57	0.0	7.15e-04	1.27e-04
2900	129	6.18	12.81	-0.30	0.0	5.13e-04	3.33e-04
2900	148	-12.41	-6.59	-0.04	0.0	-1.10e-03	-2.70e-04
2900	150	10.31	0.15	-0.61	0.0	8.10e-04	1.42e-04
2900	161	6.99	14.44	-0.30	0.0	5.85e-04	3.76e-04
2900	180	-12.29	-6.85	-0.04	0.0	-1.09e-03	-2.69e-04
2900	182	10.15	0.16	-0.60	0.0	7.94e-04	1.38e-04
2900	193	7.06	14.97	-0.30	0.0	5.93e-04	3.84e-04
2900	212	-14.37	-8.35	-3.48e-03	0.0	-1.26e-03	-3.18e-04
2900	214	11.87	0.10	-0.65	0.0	9.36e-04	1.61e-04
2900	225	8.41	17.92	-0.30	0.0	7.16e-04	4.59e-04
2900	244	0.04	0.75	-0.38	0.0	3.85e-05	-1.24e-04
2900	264	-1.00	0.75	-0.31	0.0	-4.31e-04	4.29e-04
2900	276	-0.16	1.40	-0.32	0.0	-5.86e-05	3.21e-06
2900	298	-0.17	0.62	-0.31	0.0	-5.83e-05	3.33e-06
2900	305	-0.33	0.60	-0.29	0.0	-1.29e-04	8.82e-05
2900	307	-0.16	0.73	-0.29	0.0	-5.47e-05	3.02e-06
2900	310	-0.16	0.59	-0.29	0.0	-5.58e-05	3.03e-06
2901	4	0.11	1.23	-0.55	0.0	9.76e-06	-3.21e-04
2901	44	-1.82	1.21	-0.45	0.0	-4.61e-04	1.05e-03
2901	68	-0.27	2.24	-0.47	0.0	-8.17e-05	-4.00e-06
2901	116	-11.57	-5.99	-0.07	0.0	-8.99e-04	-2.10e-04
2901	118	9.54	0.26	-0.58	0.0	6.41e-04	8.03e-05
2901	129	6.45	13.50	-0.31	0.0	4.75e-04	3.29e-04
2901	148	-12.99	-6.87	-0.04	0.0	-1.00e-03	-2.36e-04
2901	150	10.74	0.21	-0.62	0.0	7.27e-04	8.99e-05
2901	161	7.30	15.21	-0.31	0.0	5.43e-04	3.72e-04
2901	180	-12.87	-7.14	-0.05	0.0	-9.94e-04	-2.34e-04
2901	182	10.57	0.22	-0.61	0.0	7.13e-04	8.48e-05
2901	193	7.38	15.76	-0.31	0.0	5.51e-04	3.81e-04
2901	212	-15.03	-8.72	-3.58e-03	0.0	-1.16e-03	-2.77e-04
2901	214	12.36	0.16	-0.67	0.0	8.40e-04	9.94e-05
2901	225	8.79	18.86	-0.31	0.0	6.66e-04	4.57e-04
2901	244	0.06	0.85	-0.39	0.0	3.52e-06	-2.14e-04
2901	264	-1.22	0.84	-0.32	0.0	-3.11e-04	6.99e-04
2901	276	-0.19	1.53	-0.33	0.0	-5.74e-05	-2.71e-06
2901	298	-0.20	0.71	-0.31	0.0	-5.76e-05	-2.44e-06
2901	305	-0.39	0.68	-0.30	0.0	-1.05e-04	1.38e-04
2901	307	-0.19	0.82	-0.30	0.0	-5.39e-05	-2.33e-06
2901	310	-0.19	0.67	-0.30	0.0	-5.50e-05	-2.45e-06
2902	4	0.10	1.38	-0.56	0.0	-5.44e-05	-3.96e-04
2902	44	-2.02	1.33	-0.46	0.0	-2.28e-04	1.25e-03
2902	68	-0.32	2.42	-0.47	0.0	-7.75e-05	-1.34e-05
2902	116	-12.03	-6.22	-0.07	0.0	-7.76e-04	-2.23e-04
2902	118	9.87	0.32	-0.59	0.0	5.37e-04	6.47e-05
2902	129	6.69	14.15	-0.32	0.0	4.16e-04	3.52e-04
2902	148	-13.50	-7.14	-0.04	0.0	-8.66e-04	-2.50e-04
2902	150	11.11	0.27	-0.63	0.0	6.09e-04	7.31e-05
2902	161	7.58	15.94	-0.32	0.0	4.76e-04	3.99e-04
2902	180	-13.37	-7.42	-0.05	0.0	-8.59e-04	-2.49e-04
2902	182	10.93	0.27	-0.62	0.0	5.97e-04	6.76e-05
2902	193	7.66	16.52	-0.32	0.0	4.84e-04	4.10e-04
2902	212	-15.63	-9.08	-2.70e-03	0.0	-9.98e-04	-2.94e-04
2902	214	12.78	0.22	-0.67	0.0	7.05e-04	8.03e-05
2902	225	9.14	19.76	-0.32	0.0	5.87e-04	4.93e-04
2902	244	0.05	0.95	-0.39	0.0	-3.91e-05	-2.64e-04
2902	264	-1.36	0.93	-0.33	0.0	-1.55e-04	8.30e-04
2902	276	-0.22	1.65	-0.34	0.0	-5.45e-05	-9.21e-06
2902	298	-0.23	0.79	-0.32	0.0	-5.50e-05	-9.25e-06
2902	305	-0.44	0.76	-0.30	0.0	-7.15e-05	1.59e-04
2902	307	-0.22	0.90	-0.30	0.0	-5.15e-05	-8.55e-06
2902	310	-0.22	0.74	-0.30	0.0	-5.26e-05	-8.90e-06
2903	44	-1.13	1.07	-0.23	-2.78e-04	0.0	7.64e-05
2903	68	-0.22	2.05	-0.22	-4.75e-04	0.0	-5.99e-04
2903	76	-0.30	0.79	-0.31	-2.59e-04	0.0	2.71e-04

2903	116	-11.16	-5.75	0.10	4.35e-04	0.0	-2.58e-04
2903	129	6.33	12.81	0.08	-1.32e-03	0.0	3.35e-04
2903	138	0.94	-9.60	-0.72	8.08e-04	0.0	2.48e-05
2903	148	-12.53	-6.59	0.13	5.15e-04	0.0	-2.95e-04
2903	161	7.16	14.44	0.12	-1.48e-03	0.0	3.72e-04
2903	170	1.06	-10.94	-0.79	9.36e-04	0.0	2.31e-05
2903	180	-12.41	-6.85	0.12	5.39e-04	0.0	-2.93e-04
2903	193	7.24	14.97	0.13	-1.53e-03	0.0	3.76e-04
2903	202	0.97	-11.25	-0.79	9.64e-04	0.0	2.54e-05
2903	212	-14.51	-8.35	0.16	6.81e-04	0.0	-3.51e-04
2903	225	8.63	17.92	0.20	-1.80e-03	0.0	4.41e-04
2903	234	1.12	-13.49	-0.91	1.18e-03	0.0	2.33e-05
2903	264	-0.76	0.74	-0.16	-1.94e-04	0.0	5.25e-05
2903	276	-0.16	1.39	-0.16	-3.25e-04	0.0	-3.98e-04
2903	280	-0.20	0.55	-0.22	-1.81e-04	0.0	1.82e-04
2903	298	-0.17	0.62	-0.18	-1.78e-04	0.0	4.23e-05
2903	305	-0.28	0.60	-0.17	-1.69e-04	0.0	4.14e-05
2903	307	-0.16	0.73	-0.17	-1.95e-04	0.0	-4.87e-05
2903	310	-0.16	0.59	-0.17	-1.68e-04	0.0	3.92e-05
2904	44	-1.22	1.21	-0.24	-2.57e-04	0.0	6.59e-05
2904	68	-0.27	2.24	-0.23	-4.16e-04	0.0	-1.04e-03
2904	76	-0.36	0.92	-0.32	-2.46e-04	0.0	3.90e-04
2904	116	-11.64	-5.99	0.08	4.27e-04	0.0	-2.68e-04
2904	129	6.59	13.50	0.07	-1.26e-03	0.0	3.05e-04
2904	138	0.92	-10.03	-0.70	7.81e-04	0.0	3.07e-05
2904	148	-13.06	-6.87	0.11	5.04e-04	0.0	-3.06e-04
2904	161	7.46	15.21	0.10	-1.41e-03	0.0	3.40e-04
2904	170	1.04	-11.44	-0.77	9.03e-04	0.0	3.04e-05
2904	180	-12.95	-7.14	0.10	5.27e-04	0.0	-3.03e-04
2904	193	7.54	15.76	0.12	-1.46e-03	0.0	3.42e-04
2904	202	0.95	-11.77	-0.78	9.30e-04	0.0	3.33e-05
2904	212	-15.13	-8.72	0.14	6.65e-04	0.0	-3.61e-04
2904	225	8.99	18.86	0.19	-1.72e-03	0.0	4.01e-04
2904	234	1.10	-14.12	-0.89	1.14e-03	0.0	3.39e-05
2904	264	-0.83	0.84	-0.17	-1.79e-04	0.0	4.49e-05
2904	276	-0.19	1.53	-0.17	-2.85e-04	0.0	-6.93e-04
2904	280	-0.25	0.65	-0.23	-1.72e-04	0.0	2.61e-04
2904	298	-0.20	0.71	-0.19	-1.64e-04	0.0	3.66e-05
2904	305	-0.31	0.68	-0.17	-1.55e-04	0.0	3.57e-05
2904	307	-0.19	0.82	-0.17	-1.76e-04	0.0	-1.12e-04
2904	310	-0.19	0.67	-0.18	-1.55e-04	0.0	3.34e-05
2905	44	-1.32	1.33	-0.24	-2.47e-04	0.0	5.29e-05
2905	68	-0.32	2.42	-0.24	-3.50e-04	0.0	-1.27e-03
2905	76	-0.42	1.05	-0.33	-2.51e-04	0.0	4.40e-04
2905	116	-12.10	-6.22	0.07	4.00e-04	0.0	-3.06e-04
2905	129	6.84	14.15	0.06	-1.19e-03	0.0	3.27e-04
2905	138	0.89	-10.45	-0.69	7.28e-04	0.0	8.50e-06
2905	148	-13.57	-7.14	0.10	4.73e-04	0.0	-3.47e-04
2905	161	7.74	15.94	0.09	-1.33e-03	0.0	3.66e-04
2905	170	1.01	-11.92	-0.76	8.43e-04	0.0	6.05e-06
2905	180	-13.45	-7.42	0.08	4.94e-04	0.0	-3.44e-04
2905	193	7.84	16.52	0.11	-1.37e-03	0.0	3.70e-04
2905	202	0.91	-12.26	-0.77	8.69e-04	0.0	6.22e-06
2905	212	-15.72	-9.08	0.12	6.24e-04	0.0	-4.09e-04
2905	225	9.35	19.76	0.17	-1.62e-03	0.0	4.36e-04
2905	234	1.06	-14.72	-0.87	1.06e-03	0.0	2.12e-06
2905	264	-0.89	0.93	-0.18	-1.73e-04	0.0	3.57e-05
2905	276	-0.23	1.65	-0.17	-2.41e-04	0.0	-8.44e-04
2905	280	-0.29	0.74	-0.23	-1.75e-04	0.0	2.93e-04
2905	298	-0.24	0.79	-0.19	-1.57e-04	0.0	2.89e-05
2905	305	-0.35	0.76	-0.18	-1.49e-04	0.0	2.83e-05
2905	307	-0.22	0.91	-0.18	-1.62e-04	0.0	-1.48e-04
2905	310	-0.23	0.74	-0.18	-1.48e-04	0.0	2.60e-05
2906	44	-3.26	1.45	-0.89	0.0	2.28e-04	1.15e-03
2906	52	-0.41	2.30	-1.06	0.0	-8.72e-05	-1.85e-05
2906	68	-0.34	2.58	-0.97	0.0	-7.43e-05	-1.49e-05
2906	116	-12.18	-6.42	-0.10	0.0	-5.73e-04	-2.62e-04
2906	129	6.52	14.74	-1.29	0.0	2.85e-04	3.94e-04
2906	148	-13.66	-7.38	-0.04	0.0	-6.38e-04	-2.93e-04
2906	161	7.39	16.59	-1.39	0.0	3.28e-04	4.47e-04
2906	180	-13.52	-7.67	-0.02	0.0	-6.32e-04	-2.93e-04
2906	193	7.46	17.20	-1.42	0.0	3.34e-04	4.59e-04
2906	212	-15.79	-9.39	0.08	0.0	-7.33e-04	-3.47e-04
2906	225	8.89	20.56	-1.59	0.0	4.07e-04	5.54e-04
2906	264	-2.19	1.01	-0.63	0.0	1.49e-04	7.65e-04

2906	268	-0.28	1.58	-0.74	0.0	-6.09e-05	-1.27e-05
2906	276	-0.24	1.76	-0.68	0.0	-5.23e-05	-1.03e-05
2906	298	-0.25	0.87	-0.58	0.0	-5.20e-05	-1.12e-05
2906	305	-0.62	0.83	-0.55	0.0	-8.50e-06	1.45e-04
2906	307	-0.23	0.98	-0.56	0.0	-4.88e-05	-1.02e-05
2906	310	-0.24	0.81	-0.56	0.0	-4.97e-05	-1.07e-05
2907	44	-2.68	1.45	-0.67	0.0	1.27e-04	1.14e-03
2907	52	-0.42	2.30	-0.80	0.0	-8.47e-05	-2.00e-05
2907	68	-0.35	2.58	-0.72	0.0	-7.19e-05	-1.61e-05
2907	116	-12.28	-6.42	-0.14	0.0	-5.86e-04	-2.67e-04
2907	129	6.70	14.75	-0.77	0.0	3.02e-04	3.98e-04
2907	148	-13.77	-7.39	-0.10	0.0	-6.53e-04	-2.99e-04
2907	161	7.59	16.61	-0.82	0.0	3.48e-04	4.52e-04
2907	180	-13.64	-7.68	-0.09	0.0	-6.48e-04	-3.00e-04
2907	193	7.67	17.21	-0.83	0.0	3.54e-04	4.64e-04
2907	212	-15.93	-9.40	-0.03	0.0	-7.52e-04	-3.54e-04
2907	225	9.15	20.58	-0.91	0.0	4.31e-04	5.60e-04
2907	264	-1.80	1.01	-0.48	0.0	8.21e-05	7.57e-04
2907	268	-0.29	1.58	-0.56	0.0	-5.92e-05	-1.37e-05
2907	276	-0.24	1.76	-0.51	0.0	-5.07e-05	-1.12e-05
2907	298	-0.25	0.87	-0.45	0.0	-5.08e-05	-1.20e-05
2907	305	-0.55	0.83	-0.43	0.0	-2.11e-05	1.43e-04
2907	307	-0.24	0.98	-0.43	0.0	-4.76e-05	-1.10e-05
2907	310	-0.24	0.81	-0.43	0.0	-4.86e-05	-1.15e-05
2908	44	-2.94	1.58	-0.92	0.0	7.40e-04	9.19e-04
2908	52	-0.45	2.48	-1.09	0.0	-9.24e-05	-1.27e-05
2908	68	-0.38	2.75	-0.99	0.0	-7.87e-05	-9.57e-06
2908	116	-12.42	-6.66	-0.14	0.0	-3.94e-04	-2.66e-04
2908	129	6.64	15.40	-1.26	0.0	2.01e-04	4.07e-04
2908	148	-13.92	-7.66	-0.08	0.0	-4.37e-04	-2.98e-04
2908	161	7.52	17.34	-1.35	0.0	2.34e-04	4.62e-04
2908	180	-13.79	-7.96	-0.07	0.0	-4.35e-04	-2.98e-04
2908	193	7.60	17.97	-1.38	0.0	2.41e-04	4.74e-04
2908	212	-16.10	-9.75	0.03	0.0	-5.02e-04	-3.53e-04
2908	225	9.06	21.47	-1.54	0.0	2.98e-04	5.71e-04
2908	264	-1.98	1.10	-0.65	0.0	4.91e-04	6.13e-04
2908	268	-0.31	1.69	-0.76	0.0	-6.45e-05	-8.70e-06
2908	276	-0.27	1.88	-0.70	0.0	-5.53e-05	-6.62e-06
2908	301	-0.27	0.92	-0.60	0.0	-5.46e-05	-8.58e-06
2908	305	-0.60	0.91	-0.57	0.0	5.76e-05	1.17e-04
2908	307	-0.26	1.06	-0.58	0.0	-5.16e-05	-7.30e-06
2908	310	-0.26	0.89	-0.57	0.0	-5.25e-05	-7.94e-06
2909	44	-2.48	1.58	-0.68	0.0	5.04e-04	9.01e-04
2909	52	-0.46	2.47	-0.81	0.0	-8.32e-05	-1.48e-05
2909	68	-0.38	2.74	-0.73	0.0	-7.06e-05	-1.13e-05
2909	116	-12.52	-6.62	-0.13	0.0	-4.30e-04	-2.91e-04
2909	129	6.82	15.33	-0.79	0.0	2.25e-04	4.24e-04
2909	148	-14.04	-7.62	-0.09	0.0	-4.78e-04	-3.27e-04
2909	161	7.73	17.26	-0.83	0.0	2.61e-04	4.81e-04
2909	180	-13.91	-7.92	-0.09	0.0	-4.75e-04	-3.28e-04
2909	193	7.81	17.89	-0.85	0.0	2.67e-04	4.95e-04
2909	212	-16.24	-9.70	-0.03	0.0	-5.50e-04	-3.88e-04
2909	225	9.32	21.37	-0.93	0.0	3.28e-04	5.96e-04
2909	264	-1.67	1.10	-0.48	0.0	3.34e-04	6.01e-04
2909	268	-0.32	1.69	-0.57	0.0	-5.81e-05	-1.02e-05
2909	276	-0.27	1.87	-0.51	0.0	-4.97e-05	-7.83e-06
2909	298	-0.28	0.94	-0.45	0.0	-4.99e-05	-9.44e-06
2909	305	-0.54	0.91	-0.43	0.0	2.98e-05	1.13e-04
2909	307	-0.26	1.06	-0.44	0.0	-4.68e-05	-8.44e-06
2909	310	-0.27	0.89	-0.43	0.0	-4.78e-05	-9.11e-06
2910	4	0.05	1.51	-0.56	0.0	-1.14e-04	-3.97e-04
2910	44	-2.08	1.45	-0.46	0.0	8.42e-06	1.21e-03
2910	68	-0.36	2.58	-0.48	0.0	-7.03e-05	-2.02e-05
2910	116	-12.39	-6.43	-0.07	0.0	-6.34e-04	-2.76e-04
2910	118	10.11	0.38	-0.60	0.0	4.22e-04	8.27e-05
2910	129	6.88	14.75	-0.32	0.0	3.43e-04	4.04e-04
2910	148	-13.90	-7.39	-0.04	0.0	-7.06e-04	-3.10e-04
2910	150	11.38	0.33	-0.63	0.0	4.80e-04	9.42e-05
2910	161	7.80	16.61	-0.32	0.0	3.93e-04	4.59e-04
2910	180	-13.77	-7.68	-0.05	0.0	-7.01e-04	-3.11e-04
2910	182	11.19	0.33	-0.63	0.0	4.70e-04	9.00e-05
2910	193	7.89	17.22	-0.32	0.0	4.00e-04	4.72e-04
2910	212	-16.09	-9.40	-2.35e-03	0.0	-8.14e-04	-3.66e-04
2910	214	13.10	0.27	-0.68	0.0	5.56e-04	1.08e-04
2910	225	9.41	20.58	-0.32	0.0	4.86e-04	5.69e-04

2910	244	0.02	1.05	-0.40	0.0	-7.89e-05	-2.65e-04
2910	264	-1.40	1.01	-0.33	0.0	2.94e-06	8.04e-04
2910	276	-0.25	1.76	-0.34	0.0	-4.95e-05	-1.40e-05
2910	298	-0.26	0.87	-0.32	0.0	-5.03e-05	-1.48e-05
2910	305	-0.47	0.83	-0.30	0.0	-3.66e-05	1.50e-04
2910	307	-0.24	0.98	-0.31	0.0	-4.71e-05	-1.35e-05
2910	310	-0.25	0.82	-0.31	0.0	-4.82e-05	-1.42e-05
2911	4	-0.02	1.66	-0.57	0.0	-1.66e-04	-3.27e-04
2911	44	-2.00	1.58	-0.47	0.0	2.29e-04	9.66e-04
2911	68	-0.39	2.74	-0.49	0.0	-6.10e-05	-1.98e-05
2911	116	-12.66	-6.60	-0.07	0.0	-4.85e-04	-3.64e-04
2911	118	10.28	0.45	-0.60	0.0	3.08e-04	1.45e-04
2911	129	7.03	15.30	-0.32	0.0	2.63e-04	4.72e-04
2911	148	-14.20	-7.59	-0.04	0.0	-5.40e-04	-4.09e-04
2911	150	11.58	0.39	-0.64	0.0	3.51e-04	1.65e-04
2911	161	7.96	17.22	-0.33	0.0	3.02e-04	5.36e-04
2911	180	-14.07	-7.90	-0.05	0.0	-5.36e-04	-4.11e-04
2911	182	11.39	0.40	-0.63	0.0	3.44e-04	1.61e-04
2911	193	8.06	17.85	-0.32	0.0	3.08e-04	5.51e-04
2911	212	-16.43	-9.68	-3.32e-03	0.0	-6.22e-04	-4.85e-04
2911	214	13.33	0.34	-0.68	0.0	4.08e-04	1.91e-04
2911	225	9.62	21.32	-0.32	0.0	3.76e-04	6.64e-04
2911	244	-0.03	1.15	-0.40	0.0	-1.13e-04	-2.18e-04
2911	264	-1.35	1.10	-0.33	0.0	1.50e-04	6.43e-04
2911	276	-0.27	1.87	-0.35	0.0	-4.31e-05	-1.38e-05
2911	298	-0.28	0.94	-0.32	0.0	-4.40e-05	-1.55e-05
2911	305	-0.48	0.91	-0.31	0.0	-2.58e-06	1.17e-04
2911	307	-0.27	1.06	-0.31	0.0	-4.12e-05	-1.40e-05
2911	310	-0.27	0.89	-0.31	0.0	-4.22e-05	-1.48e-05
2912	44	-1.39	1.46	-0.25	-2.46e-04	0.0	4.81e-05
2912	68	-0.37	2.58	-0.24	-2.90e-04	0.0	-1.24e-03
2912	76	-0.48	1.18	-0.33	-2.66e-04	0.0	4.25e-04
2912	116	-12.51	-6.43	0.06	3.41e-04	0.0	-3.77e-04
2912	129	7.07	14.75	0.05	-1.07e-03	0.0	4.45e-04
2912	138	0.85	-10.82	-0.68	6.32e-04	0.0	-8.26e-05
2912	148	-14.03	-7.39	0.08	4.05e-04	0.0	-4.27e-04
2912	161	8.01	16.61	0.08	-1.19e-03	0.0	5.00e-04
2912	170	0.98	-12.35	-0.75	7.34e-04	0.0	-9.71e-05
2912	180	-13.91	-7.68	0.07	4.24e-04	0.0	-4.27e-04
2912	193	8.11	17.22	0.10	-1.23e-03	0.0	5.11e-04
2912	202	0.87	-12.71	-0.75	7.56e-04	0.0	-1.02e-04
2912	212	-16.25	-9.40	0.11	5.40e-04	0.0	-5.09e-04
2912	225	9.68	20.58	0.16	-1.45e-03	0.0	6.07e-04
2912	234	1.01	-15.27	-0.86	9.27e-04	0.0	-1.28e-04
2912	264	-0.94	1.01	-0.18	-1.72e-04	0.0	3.24e-05
2912	276	-0.26	1.76	-0.18	-2.01e-04	0.0	-8.25e-04
2912	280	-0.33	0.82	-0.24	-1.86e-04	0.0	2.84e-04
2912	298	-0.27	0.87	-0.19	-1.55e-04	0.0	2.63e-05
2912	305	-0.39	0.83	-0.18	-1.47e-04	0.0	2.57e-05
2912	307	-0.25	0.98	-0.18	-1.53e-04	0.0	-1.46e-04
2912	310	-0.26	0.82	-0.19	-1.47e-04	0.0	2.35e-05
2913	44	-1.46	1.58	-0.26	-2.46e-04	0.0	5.22e-05
2913	68	-0.41	2.74	-0.25	-2.32e-04	0.0	-9.83e-04
2913	76	-0.53	1.31	-0.34	-2.82e-04	0.0	3.55e-04
2913	116	-12.86	-6.59	0.04	2.29e-04	0.0	-4.62e-04
2913	129	7.27	15.29	0.04	-8.57e-04	0.0	6.13e-04
2913	138	0.82	-11.13	-0.67	4.60e-04	0.0	-2.04e-04
2913	148	-14.42	-7.59	0.07	2.79e-04	0.0	-5.24e-04
2913	161	8.24	17.20	0.07	-9.51e-04	0.0	6.90e-04
2913	170	0.94	-12.71	-0.73	5.39e-04	0.0	-2.35e-04
2913	180	-14.30	-7.89	0.06	2.94e-04	0.0	-5.28e-04
2913	193	8.34	17.83	0.09	-9.80e-04	0.0	7.09e-04
2913	202	0.83	-13.08	-0.74	5.57e-04	0.0	-2.45e-04
2913	212	-16.70	-9.67	0.10	3.82e-04	0.0	-6.30e-04
2913	225	9.97	21.30	0.15	-1.15e-03	0.0	8.45e-04
2913	234	0.97	-15.73	-0.84	6.89e-04	0.0	-2.98e-04
2913	264	-0.98	1.10	-0.19	-1.72e-04	0.0	3.55e-05
2913	276	-0.29	1.87	-0.18	-1.63e-04	0.0	-6.54e-04
2913	280	-0.37	0.92	-0.24	-1.96e-04	0.0	2.37e-04
2913	298	-0.30	0.94	-0.20	-1.53e-04	0.0	2.85e-05
2913	305	-0.42	0.91	-0.18	-1.46e-04	0.0	2.79e-05
2913	307	-0.28	1.06	-0.18	-1.44e-04	0.0	-1.10e-04
2913	310	-0.28	0.89	-0.19	-1.46e-04	0.0	2.59e-05
2914	44	-2.31	1.72	-0.95	0.0	1.09e-03	4.58e-04
2914	52	-0.50	2.63	-1.11	0.0	-9.70e-05	5.52e-06

2914	68	-0.42	2.89	-1.02	0.0	-8.25e-05	6.05e-06
2914	116	-12.53	-6.65	-0.17	0.0	-2.61e-04	-3.26e-04
2914	129	6.70	15.63	-1.24	0.0	1.42e-04	4.45e-04
2914	148	-14.05	-7.66	-0.11	0.0	-2.87e-04	-3.68e-04
2914	161	7.59	17.58	-1.33	0.0	1.67e-04	5.03e-04
2914	180	-13.92	-7.97	-0.10	0.0	-2.87e-04	-3.68e-04
2914	193	7.67	18.22	-1.36	0.0	1.73e-04	5.15e-04
2914	212	-16.24	-9.78	-4.10e-03	0.0	-3.29e-04	-4.36e-04
2914	225	9.16	21.75	-1.51	0.0	2.19e-04	6.17e-04
2914	264	-1.56	1.19	-0.67	0.0	7.24e-04	3.05e-04
2914	268	-0.35	1.80	-0.78	0.0	-6.77e-05	3.88e-06
2914	276	-0.30	1.98	-0.72	0.0	-5.80e-05	4.23e-06
2914	301	-0.30	1.00	-0.61	0.0	-5.72e-05	1.40e-06
2914	305	-0.54	0.99	-0.58	0.0	1.02e-04	6.24e-05
2914	307	-0.28	1.14	-0.59	0.0	-5.40e-05	2.16e-06
2914	310	-0.29	0.97	-0.59	0.0	-5.50e-05	1.59e-06
2915	44	-2.09	1.71	-0.69	0.0	7.83e-04	5.09e-04
2915	52	-0.50	2.62	-0.82	0.0	-8.22e-05	2.73e-06
2915	68	-0.42	2.88	-0.74	0.0	-6.98e-05	3.76e-06
2915	116	-12.68	-6.65	-0.13	0.0	-3.16e-04	-3.45e-04
2915	129	6.91	15.62	-0.80	0.0	1.70e-04	4.58e-04
2915	148	-14.22	-7.67	-0.09	0.0	-3.50e-04	-3.89e-04
2915	161	7.83	17.57	-0.85	0.0	1.98e-04	5.18e-04
2915	180	-14.08	-7.97	-0.09	0.0	-3.49e-04	-3.90e-04
2915	193	7.92	18.21	-0.86	0.0	2.04e-04	5.31e-04
2915	212	-16.45	-9.78	-0.03	0.0	-4.02e-04	-4.61e-04
2915	225	9.45	21.75	-0.94	0.0	2.54e-04	6.36e-04
2915	264	-1.41	1.19	-0.49	0.0	5.19e-04	3.39e-04
2915	268	-0.35	1.80	-0.57	0.0	-5.75e-05	1.95e-06
2915	276	-0.29	1.97	-0.52	0.0	-4.92e-05	2.63e-06
2915	298	-0.30	1.02	-0.46	0.0	-4.94e-05	0.0
2915	305	-0.51	0.98	-0.44	0.0	6.74e-05	6.80e-05
2915	307	-0.28	1.14	-0.44	0.0	-4.63e-05	0.0
2915	310	-0.29	0.96	-0.44	0.0	-4.73e-05	0.0
2916	44	-1.54	1.82	-0.97	0.0	1.34e-03	-3.19e-05
2916	52	-0.56	2.74	-1.13	0.0	-1.02e-04	2.73e-05
2916	68	-0.47	2.99	-1.04	0.0	-8.67e-05	2.46e-05
2916	116	-12.60	-6.66	-0.18	0.0	-1.88e-04	-3.75e-04
2916	129	6.74	15.81	-1.25	0.0	1.08e-04	4.75e-04
2916	148	-14.13	-7.68	-0.13	0.0	-2.05e-04	-4.24e-04
2916	161	7.64	17.78	-1.33	0.0	1.30e-04	5.35e-04
2916	180	-14.00	-7.99	-0.12	0.0	-2.06e-04	-4.23e-04
2916	193	7.72	18.43	-1.36	0.0	1.36e-04	5.47e-04
2916	212	-16.33	-9.81	-0.02	0.0	-2.34e-04	-5.02e-04
2916	225	9.22	22.00	-1.51	0.0	1.75e-04	6.52e-04
2916	264	-1.05	1.26	-0.69	0.0	8.93e-04	-2.05e-05
2916	268	-0.39	1.88	-0.80	0.0	-7.11e-05	1.89e-05
2916	276	-0.33	2.05	-0.73	0.0	-6.09e-05	1.71e-05
2916	301	-0.33	1.06	-0.63	0.0	-6.00e-05	1.35e-05
2916	305	-0.46	1.05	-0.59	0.0	1.34e-04	6.06e-06
2916	307	-0.31	1.20	-0.60	0.0	-5.67e-05	1.36e-05
2916	310	-0.32	1.03	-0.60	0.0	-5.77e-05	1.32e-05
2917	44	-1.52	1.82	-0.71	0.0	9.24e-04	1.52e-04
2917	52	-0.54	2.75	-0.83	0.0	-8.18e-05	2.27e-05
2917	68	-0.45	3.00	-0.75	0.0	-6.94e-05	2.07e-05
2917	116	-12.79	-6.66	-0.14	0.0	-2.71e-04	-3.82e-04
2917	129	6.96	15.83	-0.81	0.0	1.48e-04	4.75e-04
2917	148	-14.34	-7.68	-0.10	0.0	-2.99e-04	-4.32e-04
2917	161	7.90	17.80	-0.86	0.0	1.74e-04	5.35e-04
2917	180	-14.20	-7.99	-0.10	0.0	-2.99e-04	-4.31e-04
2917	193	7.99	18.44	-0.87	0.0	1.80e-04	5.46e-04
2917	212	-16.58	-9.82	-0.03	0.0	-3.43e-04	-5.11e-04
2917	225	9.54	22.01	-0.95	0.0	2.25e-04	6.52e-04
2917	264	-1.03	1.27	-0.50	0.0	6.14e-04	1.02e-04
2917	268	-0.38	1.88	-0.59	0.0	-5.72e-05	1.57e-05
2917	276	-0.32	2.05	-0.53	0.0	-4.89e-05	1.44e-05
2917	298	-0.33	1.09	-0.47	0.0	-4.92e-05	1.14e-05
2917	305	-0.45	1.05	-0.44	0.0	8.64e-05	2.86e-05
2917	307	-0.31	1.20	-0.45	0.0	-4.61e-05	1.11e-05
2917	310	-0.31	1.03	-0.45	0.0	-4.70e-05	1.06e-05
2918	4	-0.12	1.80	-0.58	0.0	-2.05e-04	-1.86e-04
2918	44	-1.81	1.71	-0.48	0.0	4.04e-04	5.82e-04
2918	68	-0.42	2.88	-0.50	0.0	-5.28e-05	-2.74e-06
2918	116	-12.85	-6.65	-0.07	0.0	-3.64e-04	-3.85e-04
2918	118	10.40	0.51	-0.61	0.0	2.18e-04	1.89e-04

2918	129	7.13	15.61	-0.33	0.0	1.97e-04	4.87e-04
2918	148	-14.41	-7.66	-0.04	0.0	-4.04e-04	-4.33e-04
2918	150	11.71	0.46	-0.64	0.0	2.49e-04	2.13e-04
2918	161	8.08	17.56	-0.33	0.0	2.27e-04	5.51e-04
2918	180	-14.28	-7.97	-0.05	0.0	-4.02e-04	-4.34e-04
2918	182	11.52	0.46	-0.64	0.0	2.44e-04	2.09e-04
2918	193	8.18	18.20	-0.33	0.0	2.32e-04	5.65e-04
2918	212	-16.68	-9.78	-6.09e-03	0.0	-4.66e-04	-5.13e-04
2918	214	13.48	0.40	-0.69	0.0	2.90e-04	2.45e-04
2918	225	9.77	21.74	-0.33	0.0	2.84e-04	6.79e-04
2918	244	-0.10	1.25	-0.41	0.0	-1.39e-04	-1.24e-04
2918	264	-1.22	1.19	-0.34	0.0	2.67e-04	3.88e-04
2918	276	-0.29	1.97	-0.35	0.0	-3.74e-05	-1.92e-06
2918	298	-0.30	1.02	-0.33	0.0	-3.84e-05	-4.42e-06
2918	305	-0.47	0.98	-0.31	0.0	2.50e-05	7.43e-05
2918	307	-0.28	1.14	-0.31	0.0	-3.60e-05	-3.64e-06
2918	310	-0.29	0.96	-0.32	0.0	-3.68e-05	-4.38e-06
2919	4	-0.25	1.92	-0.59	0.0	-2.22e-04	-3.31e-05
2919	44	-1.50	1.82	-0.49	0.0	4.84e-04	2.03e-04
2919	68	-0.44	3.00	-0.51	0.0	-4.82e-05	2.23e-05
2919	116	-12.97	-6.66	-0.08	0.0	-3.21e-04	-4.04e-04
2919	118	10.46	0.57	-0.61	0.0	1.89e-04	2.58e-04
2919	129	7.20	15.83	-0.34	0.0	1.74e-04	4.85e-04
2919	148	-14.55	-7.68	-0.05	0.0	-3.57e-04	-4.56e-04
2919	150	11.79	0.51	-0.65	0.0	2.16e-04	2.89e-04
2919	161	8.16	17.81	-0.34	0.0	2.00e-04	5.47e-04
2919	180	-14.41	-8.00	-0.06	0.0	-3.55e-04	-4.56e-04
2919	182	11.59	0.52	-0.64	0.0	2.12e-04	2.84e-04
2919	193	8.26	18.45	-0.34	0.0	2.05e-04	5.58e-04
2919	212	-16.83	-9.82	-0.01	0.0	-4.10e-04	-5.40e-04
2919	214	13.57	0.46	-0.70	0.0	2.52e-04	3.30e-04
2919	225	9.86	22.02	-0.34	0.0	2.52e-04	6.66e-04
2919	244	-0.18	1.34	-0.41	0.0	-1.50e-04	-2.14e-05
2919	264	-1.02	1.27	-0.35	0.0	3.21e-04	1.36e-04
2919	276	-0.31	2.05	-0.36	0.0	-3.41e-05	1.55e-05
2919	298	-0.32	1.09	-0.33	0.0	-3.52e-05	1.23e-05
2919	305	-0.44	1.05	-0.32	0.0	3.80e-05	3.61e-05
2919	307	-0.30	1.21	-0.32	0.0	-3.30e-05	1.20e-05
2919	310	-0.30	1.03	-0.32	0.0	-3.38e-05	1.15e-05
2920	44	-1.48	1.71	-0.27	-2.42e-04	0.0	5.98e-05
2920	68	-0.42	2.88	-0.26	-1.87e-04	0.0	-5.59e-04
2920	76	-0.55	1.44	-0.34	-2.89e-04	0.0	2.36e-04
2920	116	-13.05	-6.65	0.04	1.19e-04	0.0	-4.38e-04
2920	129	7.37	15.61	0.03	-6.47e-04	0.0	5.79e-04
2920	138	0.82	-11.27	-0.67	2.92e-04	0.0	-1.44e-04
2920	148	-14.63	-7.66	0.06	1.54e-04	0.0	-4.97e-04
2920	161	8.36	17.56	0.06	-7.14e-04	0.0	6.51e-04
2920	170	0.94	-12.88	-0.73	3.49e-04	0.0	-1.68e-04
2920	180	-14.50	-7.97	0.05	1.64e-04	0.0	-4.99e-04
2920	193	8.46	18.20	0.08	-7.35e-04	0.0	6.67e-04
2920	202	0.83	-13.26	-0.73	3.62e-04	0.0	-1.75e-04
2920	212	-16.94	-9.78	0.09	2.27e-04	0.0	-5.96e-04
2920	225	10.11	21.73	0.14	-8.56e-04	0.0	7.93e-04
2920	234	0.96	-15.95	-0.83	4.57e-04	0.0	-2.16e-04
2920	264	-1.00	1.19	-0.19	-1.70e-04	0.0	4.12e-05
2920	276	-0.30	1.97	-0.19	-1.33e-04	0.0	-3.71e-04
2920	280	-0.38	1.01	-0.25	-2.01e-04	0.0	1.59e-04
2920	298	-0.31	1.02	-0.20	-1.50e-04	0.0	3.09e-05
2920	305	-0.43	0.98	-0.19	-1.43e-04	0.0	3.07e-05
2920	307	-0.29	1.14	-0.19	-1.36e-04	0.0	-5.18e-05
2920	310	-0.29	0.96	-0.19	-1.43e-04	0.0	2.88e-05
2921	44	-1.48	1.82	-0.27	-1.20e-04	2.22e-05	1.15e-04
2921	68	-0.42	3.00	-0.27	-8.57e-05	-1.14e-05	-4.85e-05
2921	76	-0.55	1.57	-0.35	-1.44e-04	-1.53e-05	6.07e-05
2921	116	-13.16	-6.66	0.03	4.03e-05	-1.57e-04	-3.86e-04
2921	129	7.43	15.84	0.03	-2.85e-04	7.86e-05	4.87e-04
2921	138	0.84	-11.35	-0.67	1.16e-04	6.48e-06	-7.06e-05
2921	148	-14.76	-7.69	0.06	5.50e-05	-1.75e-04	-4.37e-04
2921	161	8.42	17.81	0.06	-3.13e-04	8.98e-05	5.47e-04
2921	170	0.96	-12.97	-0.73	1.40e-04	8.19e-06	-8.27e-05
2921	180	-14.63	-8.00	0.05	5.92e-05	-1.73e-04	-4.37e-04
2921	193	8.53	18.45	0.07	-3.22e-04	9.08e-05	5.59e-04
2921	202	0.85	-13.35	-0.73	1.46e-04	6.92e-06	-8.59e-05
2921	212	-17.09	-9.82	0.08	8.54e-05	-2.01e-04	-5.19e-04
2921	225	10.19	22.03	0.13	-3.73e-04	1.09e-04	6.65e-04

2921	234	0.99	-16.08	-0.83	1.86e-04	9.00e-06	-1.06e-04
2921	264	-1.00	1.27	-0.20	-8.39e-05	1.42e-05	7.79e-05
2921	276	-0.30	2.05	-0.19	-6.13e-05	-8.21e-06	-3.13e-05
2921	280	-0.38	1.10	-0.25	-1.00e-04	-1.08e-05	4.15e-05
2921	298	-0.31	1.09	-0.20	-7.38e-05	-9.15e-06	2.03e-05
2921	305	-0.43	1.05	-0.19	-7.04e-05	-4.13e-06	3.03e-05
2921	307	-0.29	1.21	-0.19	-6.59e-05	-8.60e-06	8.45e-06
2921	310	-0.30	1.03	-0.20	-7.04e-05	-8.88e-06	1.91e-05
2922	44	-1.12	1.03	-0.23	-2.64e-04	-1.53e-05	5.68e-05
2922	68	-0.22	2.37	-0.20	-8.38e-04	4.31e-04	-5.80e-04
2922	76	-0.29	0.64	-0.28	-1.28e-04	-1.52e-04	2.38e-04
2922	116	-11.16	-5.69	-0.12	4.52e-04	2.31e-05	-2.77e-04
2922	129	6.33	12.67	0.08	-1.33e-03	1.20e-04	3.30e-04
2922	138	0.94	-9.60	-0.49	8.20e-04	2.59e-05	1.22e-05
2922	148	-12.53	-6.52	-0.12	5.33e-04	2.66e-05	-3.15e-04
2922	161	7.16	14.28	0.12	-1.49e-03	1.36e-04	3.68e-04
2922	170	1.06	-10.94	-0.53	9.49e-04	2.97e-05	1.03e-05
2922	180	-12.41	-6.78	-0.12	5.57e-04	2.26e-05	-3.13e-04
2922	193	7.24	14.81	0.13	-1.54e-03	1.37e-04	3.73e-04
2922	202	0.97	-11.25	-0.54	9.77e-04	2.46e-05	1.22e-05
2922	212	-14.51	-8.26	-0.12	7.01e-04	2.58e-05	-3.73e-04
2922	225	8.63	17.73	0.19	-1.82e-03	1.67e-04	4.39e-04
2922	234	1.12	-13.49	-0.61	1.19e-03	3.04e-05	9.71e-06
2922	264	-0.76	0.72	-0.16	-1.84e-04	-1.04e-05	3.89e-05
2922	276	-0.16	1.61	-0.15	-5.67e-04	2.87e-04	-3.86e-04
2922	280	-0.20	0.45	-0.20	-9.38e-05	-1.02e-04	1.59e-04
2922	298	-0.17	0.60	-0.16	-1.68e-04	-1.10e-05	2.96e-05
2922	305	-0.28	0.58	-0.16	-1.59e-04	-1.01e-05	2.94e-05
2922	307	-0.16	0.76	-0.15	-2.36e-04	4.94e-05	-5.55e-05
2922	310	-0.16	0.57	-0.16	-1.59e-04	-9.94e-06	2.73e-05
2923	44	-1.22	1.17	-0.23	-2.56e-04	0.0	6.05e-05
2923	68	-0.27	2.80	-0.21	-6.52e-04	2.78e-04	-9.88e-04
2923	76	-0.36	0.71	-0.29	-1.73e-04	-8.51e-05	3.66e-04
2923	116	-11.64	-5.93	-0.13	4.19e-04	1.32e-04	-2.81e-04
2923	129	6.59	13.37	0.08	-1.25e-03	-9.35e-05	3.19e-04
2923	138	0.92	-10.04	-0.50	7.67e-04	8.65e-05	1.95e-05
2923	148	-13.06	-6.81	-0.12	4.95e-04	1.49e-04	-3.20e-04
2923	161	7.46	15.07	0.12	-1.40e-03	-1.05e-04	3.56e-04
2923	170	1.04	-11.44	-0.54	8.88e-04	9.83e-05	1.81e-05
2923	180	-12.95	-7.07	-0.13	5.17e-04	1.48e-04	-3.17e-04
2923	193	7.54	15.62	0.13	-1.44e-03	-1.07e-04	3.60e-04
2923	202	0.95	-11.77	-0.55	9.15e-04	1.03e-04	1.98e-05
2923	212	-15.13	-8.63	-0.13	6.53e-04	1.74e-04	-3.78e-04
2923	225	8.99	18.69	0.19	-1.71e-03	-1.27e-04	4.23e-04
2923	234	1.09	-14.13	-0.62	1.12e-03	1.23e-04	1.80e-05
2923	264	-0.82	0.81	-0.17	-1.79e-04	0.0	4.13e-05
2923	276	-0.19	1.90	-0.15	-4.42e-04	1.85e-04	-6.58e-04
2923	280	-0.25	0.51	-0.20	-1.24e-04	-5.66e-05	2.45e-04
2923	298	-0.20	0.69	-0.17	-1.63e-04	-1.26e-06	3.31e-05
2923	305	-0.31	0.67	-0.16	-1.54e-04	0.0	3.24e-05
2923	307	-0.19	0.88	-0.16	-2.07e-04	3.61e-05	-1.07e-04
2923	310	-0.19	0.65	-0.16	-1.54e-04	0.0	3.02e-05
2924	44	-1.31	1.31	-0.24	-2.50e-04	2.58e-06	5.59e-05
2924	68	-0.32	3.10	-0.21	-4.16e-04	7.19e-05	-1.20e-03
2924	76	-0.42	0.81	-0.29	-2.35e-04	-1.84e-05	4.23e-04
2924	116	-12.10	-6.15	-0.13	3.62e-04	2.65e-04	-3.14e-04
2924	129	6.84	14.02	0.09	-1.13e-03	-3.90e-04	3.50e-04
2924	138	0.89	-10.44	-0.51	6.79e-04	2.96e-04	-3.37e-06
2924	148	-13.57	-7.06	-0.13	4.30e-04	3.00e-04	-3.57e-04
2924	161	7.74	15.79	0.12	-1.26e-03	-4.41e-04	3.91e-04
2924	170	1.01	-11.90	-0.55	7.88e-04	3.34e-04	-7.70e-06
2924	180	-13.45	-7.34	-0.13	4.51e-04	3.06e-04	-3.55e-04
2924	193	7.84	16.37	0.13	-1.30e-03	-4.56e-04	3.96e-04
2924	202	0.91	-12.25	-0.56	8.12e-04	3.44e-04	-8.66e-06
2924	212	-15.72	-8.97	-0.13	5.72e-04	3.65e-04	-4.22e-04
2924	225	9.35	19.58	0.20	-1.53e-03	-5.49e-04	4.68e-04
2924	234	1.06	-14.71	-0.63	9.93e-04	4.10e-04	-1.62e-05
2924	264	-0.89	0.91	-0.17	-1.75e-04	1.82e-06	3.79e-05
2924	276	-0.23	2.10	-0.16	-2.85e-04	4.80e-05	-7.98e-04
2924	280	-0.29	0.58	-0.21	-1.64e-04	-1.22e-05	2.83e-04
2924	298	-0.24	0.77	-0.17	-1.58e-04	1.37e-06	3.07e-05
2924	305	-0.35	0.75	-0.16	-1.50e-04	1.38e-06	3.00e-05
2924	307	-0.22	0.98	-0.16	-1.72e-04	1.06e-05	-1.37e-04
2924	310	-0.23	0.73	-0.17	-1.50e-04	1.35e-06	2.78e-05
2925	44	-1.12	1.01	-0.24	-2.51e-04	0.0	4.61e-05

2925	68	-0.22	2.66	-0.20	-1.22e-03	0.0	-5.47e-04
2925	76	-0.29	0.53	-0.26	6.94e-06	0.0	2.13e-04
2925	116	-11.17	-5.63	-0.39	4.63e-04	0.0	-2.95e-04
2925	129	6.33	12.53	0.15	-1.34e-03	0.0	3.36e-04
2925	132	-6.65	-11.42	-0.46	1.04e-03	0.0	-2.94e-04
2925	148	-12.53	-6.45	-0.42	5.44e-04	0.0	-3.34e-04
2925	161	7.16	14.13	0.19	-1.49e-03	0.0	3.76e-04
2925	164	-7.48	-13.02	-0.50	1.19e-03	0.0	-3.34e-04
2925	180	-12.42	-6.70	-0.43	5.67e-04	0.0	-3.32e-04
2925	193	7.24	14.65	0.21	-1.54e-03	0.0	3.81e-04
2925	196	-7.56	-13.54	-0.51	1.24e-03	0.0	-3.39e-04
2925	212	-14.52	-8.16	-0.48	7.11e-04	0.0	-3.94e-04
2925	225	8.63	17.54	0.28	-1.83e-03	0.0	4.50e-04
2925	228	-8.95	-16.43	-0.59	1.53e-03	0.0	-4.09e-04
2925	264	-0.75	0.70	-0.17	-1.75e-04	0.0	3.15e-05
2925	276	-0.16	1.80	-0.14	-8.25e-04	0.0	-3.64e-04
2925	280	-0.20	0.38	-0.19	-3.41e-06	0.0	1.43e-04
2925	298	-0.17	0.59	-0.16	-1.59e-04	0.0	2.26e-05
2925	305	-0.27	0.57	-0.15	-1.51e-04	0.0	2.28e-05
2925	307	-0.15	0.79	-0.15	-2.80e-04	0.0	-5.63e-05
2925	310	-0.16	0.55	-0.15	-1.50e-04	0.0	2.08e-05
2926	44	-1.22	1.14	-0.25	-2.50e-04	0.0	5.53e-05
2926	68	-0.27	3.30	-0.21	-9.03e-04	0.0	-9.30e-04
2926	76	-0.36	0.53	-0.27	-8.90e-05	0.0	3.41e-04
2926	116	-11.64	-5.87	-0.42	4.11e-04	0.0	-3.00e-04
2926	129	6.59	13.23	0.16	-1.23e-03	0.0	3.44e-04
2926	132	-6.97	-11.97	-0.48	9.33e-04	0.0	-2.90e-04
2926	148	-13.06	-6.73	-0.45	4.85e-04	0.0	-3.41e-04
2926	161	7.46	14.91	0.21	-1.38e-03	0.0	3.84e-04
2926	164	-7.84	-13.64	-0.53	1.08e-03	0.0	-3.30e-04
2926	180	-12.95	-6.99	-0.45	5.06e-04	0.0	-3.39e-04
2926	193	7.55	15.46	0.22	-1.42e-03	0.0	3.89e-04
2926	196	-7.93	-14.19	-0.54	1.12e-03	0.0	-3.35e-04
2926	212	-15.13	-8.53	-0.51	6.39e-04	0.0	-4.04e-04
2926	225	9.00	18.50	0.29	-1.68e-03	0.0	4.59e-04
2926	228	-9.38	-17.23	-0.62	1.38e-03	0.0	-4.05e-04
2926	264	-0.82	0.79	-0.18	-1.75e-04	0.0	3.76e-05
2926	276	-0.19	2.23	-0.15	-6.10e-04	0.0	-6.19e-04
2926	280	-0.25	0.38	-0.20	-6.74e-05	0.0	2.28e-04
2926	298	-0.20	0.67	-0.17	-1.58e-04	0.0	2.96e-05
2926	305	-0.31	0.65	-0.16	-1.50e-04	0.0	2.91e-05
2926	307	-0.19	0.94	-0.16	-2.37e-04	0.0	-1.02e-04
2926	310	-0.19	0.63	-0.16	-1.50e-04	0.0	2.69e-05
2927	44	-1.31	1.28	-0.26	-2.49e-04	0.0	5.68e-05
2927	68	-0.32	3.70	-0.21	-4.83e-04	0.0	-1.12e-03
2927	76	-0.42	0.60	-0.28	-2.13e-04	0.0	4.03e-04
2927	116	-12.10	-6.07	-0.43	3.36e-04	0.0	-3.27e-04
2927	129	6.84	13.86	0.17	-1.08e-03	0.0	3.78e-04
2927	132	-7.29	-12.43	-0.50	7.86e-04	0.0	-3.22e-04
2927	148	-13.57	-6.97	-0.46	4.01e-04	0.0	-3.72e-04
2927	161	7.75	15.61	0.22	-1.21e-03	0.0	4.23e-04
2927	164	-8.20	-14.18	-0.54	9.10e-04	0.0	-3.67e-04
2927	180	-13.45	-7.25	-0.47	4.20e-04	0.0	-3.70e-04
2927	193	7.84	16.19	0.23	-1.25e-03	0.0	4.30e-04
2927	196	-8.29	-14.76	-0.56	9.48e-04	0.0	-3.74e-04
2927	212	-15.72	-8.86	-0.52	5.35e-04	0.0	-4.41e-04
2927	225	9.35	19.36	0.31	-1.47e-03	0.0	5.08e-04
2927	228	-9.80	-17.93	-0.64	1.17e-03	0.0	-4.52e-04
2927	264	-0.89	0.89	-0.19	-1.74e-04	0.0	3.86e-05
2927	276	-0.23	2.50	-0.16	-3.30e-04	0.0	-7.49e-04
2927	280	-0.29	0.44	-0.20	-1.50e-04	0.0	2.69e-04
2927	298	-0.24	0.76	-0.17	-1.57e-04	0.0	3.11e-05
2927	305	-0.35	0.73	-0.17	-1.49e-04	0.0	3.04e-05
2927	307	-0.22	1.05	-0.16	-1.81e-04	0.0	-1.27e-04
2927	310	-0.23	0.71	-0.16	-1.49e-04	0.0	2.82e-05
2928	28	-0.80	1.10	-0.32	-2.75e-04	0.0	4.53e-05
2928	44	-1.11	0.99	-0.31	-2.41e-04	0.0	4.36e-05
2928	68	-0.21	2.93	-0.23	-1.54e-03	0.0	-5.70e-04
2928	116	-11.16	-5.56	-0.85	4.68e-04	0.0	-3.01e-04
2928	129	6.34	12.39	0.38	-1.33e-03	0.0	3.39e-04
2928	148	-12.53	-6.37	-0.94	5.49e-04	0.0	-3.41e-04
2928	161	7.17	13.97	0.46	-1.49e-03	0.0	3.81e-04
2928	180	-12.42	-6.61	-0.94	5.71e-04	0.0	-3.39e-04
2928	193	7.25	14.48	0.47	-1.54e-03	0.0	3.86e-04
2928	212	-14.52	-8.06	-1.07	7.15e-04	0.0	-4.02e-04

2928	225	8.63	17.34	0.60	-1.82e-03	0.0	4.57e-04
2928	256	-0.54	0.76	-0.22	-1.91e-04	0.0	3.09e-05
2928	264	-0.75	0.69	-0.22	-1.69e-04	0.0	2.97e-05
2928	276	-0.15	1.98	-0.17	-1.04e-03	0.0	-3.79e-04
2928	305	-0.27	0.56	-0.18	-1.44e-04	0.0	2.12e-05
2928	307	-0.15	0.82	-0.17	-3.18e-04	0.0	-6.06e-05
2928	310	-0.15	0.54	-0.17	-1.44e-04	0.0	1.92e-05
2929	28	-0.90	1.24	-0.32	-2.80e-04	0.0	5.88e-05
2929	44	-1.22	1.12	-0.31	-2.45e-04	0.0	5.38e-05
2929	68	-0.27	3.77	-0.24	-1.11e-03	0.0	-9.48e-04
2929	116	-11.64	-5.80	-0.83	4.06e-04	0.0	-3.07e-04
2929	129	6.59	13.09	0.36	-1.22e-03	0.0	3.52e-04
2929	148	-13.06	-6.65	-0.91	4.79e-04	0.0	-3.48e-04
2929	161	7.46	14.75	0.44	-1.36e-03	0.0	3.94e-04
2929	180	-12.94	-6.91	-0.91	5.00e-04	0.0	-3.46e-04
2929	193	7.55	15.29	0.45	-1.40e-03	0.0	4.00e-04
2929	212	-15.13	-8.43	-1.04	6.30e-04	0.0	-4.12e-04
2929	225	9.00	18.30	0.57	-1.66e-03	0.0	4.72e-04
2929	256	-0.61	0.86	-0.23	-1.95e-04	0.0	3.99e-05
2929	264	-0.82	0.78	-0.22	-1.71e-04	0.0	3.66e-05
2929	276	-0.19	2.55	-0.17	-7.46e-04	0.0	-6.31e-04
2929	298	-0.20	0.66	-0.19	-1.54e-04	0.0	2.86e-05
2929	305	-0.31	0.63	-0.19	-1.47e-04	0.0	2.82e-05
2929	307	-0.19	0.99	-0.17	-2.62e-04	0.0	-1.05e-04
2929	310	-0.19	0.62	-0.18	-1.46e-04	0.0	2.60e-05
2930	28	-0.98	1.40	-0.32	-2.83e-04	0.0	6.29e-05
2930	44	-1.31	1.25	-0.31	-2.48e-04	0.0	5.67e-05
2930	68	-0.32	4.27	-0.24	-5.35e-04	0.0	-1.14e-03
2930	116	-12.10	-6.00	-0.79	3.26e-04	0.0	-3.31e-04
2930	129	6.84	13.70	0.35	-1.06e-03	0.0	3.85e-04
2930	148	-13.58	-6.89	-0.87	3.88e-04	0.0	-3.76e-04
2930	161	7.75	15.43	0.42	-1.19e-03	0.0	4.31e-04
2930	180	-13.46	-7.15	-0.87	4.07e-04	0.0	-3.75e-04
2930	193	7.84	16.00	0.43	-1.22e-03	0.0	4.38e-04
2930	212	-15.72	-8.74	-0.99	5.19e-04	0.0	-4.46e-04
2930	225	9.36	19.13	0.55	-1.44e-03	0.0	5.18e-04
2930	256	-0.67	0.97	-0.23	-1.97e-04	0.0	4.27e-05
2930	264	-0.89	0.87	-0.22	-1.73e-04	0.0	3.85e-05
2930	276	-0.23	2.89	-0.17	-3.65e-04	0.0	-7.56e-04
2930	298	-0.24	0.74	-0.19	-1.56e-04	0.0	3.10e-05
2930	305	-0.35	0.71	-0.19	-1.48e-04	0.0	3.03e-05
2930	307	-0.22	1.12	-0.18	-1.87e-04	0.0	-1.29e-04
2930	310	-0.23	0.70	-0.18	-1.48e-04	0.0	2.81e-05
2931	44	-1.39	1.43	-0.24	-2.47e-04	1.02e-06	5.27e-05
2931	68	-0.37	3.25	-0.22	-1.84e-04	-1.13e-04	-1.17e-03
2931	76	-0.48	0.95	-0.29	-2.99e-04	3.52e-05	4.11e-04
2931	116	-12.51	-6.32	-0.13	2.88e-04	3.32e-04	-3.70e-04
2931	129	7.07	14.55	0.09	-9.76e-04	-5.64e-04	4.40e-04
2931	138	0.85	-10.76	-0.51	5.65e-04	3.95e-04	-7.10e-05
2931	148	-14.03	-7.26	-0.13	3.46e-04	3.76e-04	-4.20e-04
2931	161	8.01	16.39	0.12	-1.09e-03	-6.39e-04	4.93e-04
2931	170	0.97	-12.28	-0.56	6.59e-04	4.47e-04	-8.42e-05
2931	180	-13.91	-7.55	-0.14	3.63e-04	3.86e-04	-4.20e-04
2931	193	8.11	16.98	0.13	-1.12e-03	-6.61e-04	5.04e-04
2931	202	0.87	-12.63	-0.57	6.79e-04	4.59e-04	-8.92e-05
2931	212	-16.25	-9.24	-0.13	4.67e-04	4.61e-04	-5.01e-04
2931	225	9.68	20.30	0.20	-1.32e-03	-7.95e-04	5.98e-04
2931	234	1.01	-15.17	-0.64	8.35e-04	5.46e-04	-1.12e-04
2931	264	-0.94	0.99	-0.18	-1.73e-04	0.0	3.57e-05
2931	276	-0.26	2.21	-0.16	-1.31e-04	-7.52e-05	-7.78e-04
2931	280	-0.33	0.67	-0.21	-2.08e-04	2.34e-05	2.74e-04
2931	298	-0.27	0.85	-0.17	-1.55e-04	0.0	2.88e-05
2931	305	-0.39	0.82	-0.17	-1.48e-04	0.0	2.81e-05
2931	307	-0.25	1.06	-0.16	-1.39e-04	-1.44e-05	-1.35e-04
2931	310	-0.26	0.80	-0.17	-1.47e-04	0.0	2.60e-05
2932	44	-1.45	1.55	-0.24	-2.45e-04	0.0	5.31e-05
2932	68	-0.41	3.27	-0.22	2.90e-05	-2.71e-04	-9.26e-04
2932	76	-0.53	1.12	-0.30	-3.59e-04	8.16e-05	3.38e-04
2932	116	-12.87	-6.44	-0.14	2.06e-04	-3.19e-06	-4.29e-04
2932	129	7.28	14.99	0.09	-8.12e-04	-2.37e-04	5.49e-04
2932	138	0.82	-11.00	-0.52	4.39e-04	1.68e-04	-1.47e-04
2932	148	-14.43	-7.41	-0.13	2.52e-04	-2.91e-06	-4.87e-04
2932	161	8.25	16.87	0.12	-9.00e-04	-2.68e-04	6.17e-04
2932	170	0.94	-12.56	-0.56	5.16e-04	1.89e-04	-1.70e-04
2932	180	-14.31	-7.70	-0.14	2.66e-04	1.69e-06	-4.89e-04

2932	193	8.35	17.49	0.14	-9.28e-04	-2.78e-04	6.33e-04
2932	202	0.83	-12.93	-0.57	5.33e-04	1.92e-04	-1.78e-04
2932	212	-16.71	-9.44	-0.14	3.50e-04	4.08e-06	-5.83e-04
2932	225	9.97	20.89	0.20	-1.09e-03	-3.35e-04	7.53e-04
2932	234	0.97	-15.54	-0.65	6.61e-04	2.28e-04	-2.19e-04
2932	264	-0.98	1.08	-0.18	-1.71e-04	0.0	3.62e-05
2932	276	-0.29	2.23	-0.16	1.12e-05	-1.81e-04	-6.16e-04
2932	280	-0.37	0.79	-0.21	-2.48e-04	5.42e-05	2.26e-04
2932	298	-0.30	0.93	-0.18	-1.53e-04	0.0	2.84e-05
2932	305	-0.42	0.89	-0.17	-1.46e-04	0.0	2.79e-05
2932	307	-0.28	1.12	-0.16	-1.09e-04	-3.55e-05	-1.03e-04
2932	310	-0.28	0.88	-0.17	-1.46e-04	0.0	2.59e-05
2933	44	-1.39	1.40	-0.26	-2.48e-04	0.0	5.53e-05
2933	68	-0.37	3.83	-0.21	-6.41e-05	0.0	-1.09e-03
2933	76	-0.48	0.74	-0.29	-3.37e-04	0.0	3.91e-04
2933	116	-12.51	-6.22	-0.44	2.58e-04	0.0	-3.60e-04
2933	129	7.07	14.36	0.18	-9.26e-04	0.0	4.23e-04
2933	132	-7.58	-12.79	-0.51	6.29e-04	0.0	-3.68e-04
2933	148	-14.03	-7.15	-0.47	3.12e-04	0.0	-4.09e-04
2933	161	8.01	16.17	0.22	-1.03e-03	0.0	4.74e-04
2933	164	-8.52	-14.59	-0.56	7.33e-04	0.0	-4.19e-04
2933	180	-13.90	-7.43	-0.48	3.28e-04	0.0	-4.08e-04
2933	193	8.11	16.76	0.24	-1.06e-03	0.0	4.83e-04
2933	196	-8.62	-15.18	-0.57	7.65e-04	0.0	-4.28e-04
2933	212	-16.24	-9.09	-0.54	4.25e-04	0.0	-4.86e-04
2933	225	9.68	20.04	0.32	-1.25e-03	0.0	5.72e-04
2933	228	-10.19	-18.46	-0.65	9.52e-04	0.0	-5.18e-04
2933	264	-0.94	0.97	-0.19	-1.73e-04	0.0	3.76e-05
2933	276	-0.26	2.59	-0.16	-5.07e-05	0.0	-7.27e-04
2933	280	-0.33	0.53	-0.20	-2.33e-04	0.0	2.61e-04
2933	298	-0.27	0.84	-0.17	-1.56e-04	0.0	3.01e-05
2933	305	-0.39	0.80	-0.17	-1.48e-04	0.0	2.95e-05
2933	307	-0.25	1.13	-0.16	-1.24e-04	0.0	-1.23e-04
2933	310	-0.26	0.79	-0.17	-1.48e-04	0.0	2.73e-05
2934	44	-1.46	1.53	-0.26	-2.47e-04	0.0	5.34e-05
2934	68	-0.41	3.73	-0.22	3.12e-04	0.0	-8.55e-04
2934	76	-0.54	0.95	-0.29	-4.48e-04	0.0	3.17e-04
2934	116	-12.90	-6.32	-0.45	1.87e-04	0.0	-3.80e-04
2934	129	7.29	14.77	0.19	-7.80e-04	0.0	4.47e-04
2934	132	-7.87	-13.05	-0.52	4.85e-04	0.0	-3.96e-04
2934	148	-14.47	-7.28	-0.48	2.31e-04	0.0	-4.31e-04
2934	161	8.27	16.63	0.23	-8.64e-04	0.0	5.02e-04
2934	164	-8.84	-14.90	-0.57	5.69e-04	0.0	-4.51e-04
2934	180	-14.34	-7.57	-0.49	2.45e-04	0.0	-4.31e-04
2934	193	8.37	17.23	0.24	-8.90e-04	0.0	5.12e-04
2934	196	-8.95	-15.51	-0.58	5.95e-04	0.0	-4.60e-04
2934	212	-16.75	-9.27	-0.55	3.24e-04	0.0	-5.12e-04
2934	225	10.00	20.59	0.33	-1.04e-03	0.0	6.07e-04
2934	228	-10.57	-18.86	-0.66	7.47e-04	0.0	-5.56e-04
2934	264	-0.99	1.06	-0.19	-1.73e-04	0.0	3.64e-05
2934	276	-0.29	2.53	-0.16	2.00e-04	0.0	-5.69e-04
2934	280	-0.38	0.68	-0.21	-3.07e-04	0.0	2.12e-04
2934	298	-0.30	0.91	-0.17	-1.55e-04	0.0	2.82e-05
2934	305	-0.42	0.88	-0.17	-1.48e-04	0.0	2.78e-05
2934	307	-0.28	1.17	-0.16	-7.31e-05	0.0	-9.32e-05
2934	310	-0.29	0.86	-0.17	-1.47e-04	0.0	2.57e-05
2935	28	-1.06	1.54	-0.32	-2.85e-04	0.0	6.17e-05
2935	44	-1.39	1.37	-0.31	-2.49e-04	0.0	5.57e-05
2935	68	-0.37	4.39	-0.24	3.80e-05	0.0	-1.10e-03
2935	116	-12.50	-6.14	-0.76	2.49e-04	0.0	-3.55e-04
2935	129	7.06	14.19	0.33	-9.13e-04	0.0	4.13e-04
2935	148	-14.02	-7.05	-0.83	3.02e-04	0.0	-4.03e-04
2935	161	8.00	15.97	0.39	-1.01e-03	0.0	4.63e-04
2935	180	-13.90	-7.33	-0.83	3.18e-04	0.0	-4.02e-04
2935	193	8.10	16.55	0.41	-1.05e-03	0.0	4.71e-04
2935	212	-16.23	-8.97	-0.95	4.12e-04	0.0	-4.79e-04
2935	225	9.67	19.79	0.53	-1.23e-03	0.0	5.58e-04
2935	256	-0.72	1.07	-0.23	-1.98e-04	0.0	4.19e-05
2935	264	-0.94	0.95	-0.22	-1.74e-04	0.0	3.79e-05
2935	276	-0.26	2.97	-0.17	1.74e-05	0.0	-7.34e-04
2935	298	-0.27	0.82	-0.19	-1.57e-04	0.0	3.03e-05
2935	305	-0.39	0.79	-0.19	-1.49e-04	0.0	2.97e-05
2935	307	-0.25	1.19	-0.18	-1.11e-04	0.0	-1.25e-04
2935	310	-0.26	0.77	-0.18	-1.49e-04	0.0	2.75e-05
2936	28	-1.15	1.68	-0.32	-2.86e-04	0.0	5.80e-05

2936	44	-1.48	1.50	-0.30	-2.49e-04	0.0	5.33e-05
2936	68	-0.43	4.16	-0.24	5.53e-04	0.0	-8.71e-04
2936	116	-12.96	-6.24	-0.72	1.76e-04	0.0	-3.63e-04
2936	129	7.32	14.60	0.31	-7.64e-04	0.0	4.10e-04
2936	148	-14.53	-7.18	-0.79	2.20e-04	0.0	-4.12e-04
2936	161	8.30	16.43	0.37	-8.46e-04	0.0	4.59e-04
2936	180	-14.40	-7.47	-0.79	2.33e-04	0.0	-4.11e-04
2936	193	8.40	17.03	0.38	-8.72e-04	0.0	4.67e-04
2936	212	-16.82	-9.14	-0.90	3.11e-04	0.0	-4.88e-04
2936	225	10.04	20.35	0.50	-1.02e-03	0.0	5.53e-04
2936	256	-0.78	1.16	-0.23	-1.99e-04	0.0	3.95e-05
2936	264	-1.00	1.04	-0.22	-1.74e-04	0.0	3.64e-05
2936	276	-0.30	2.82	-0.17	3.61e-04	0.0	-5.80e-04
2936	298	-0.31	0.90	-0.19	-1.58e-04	0.0	2.80e-05
2936	305	-0.43	0.86	-0.19	-1.50e-04	0.0	2.77e-05
2936	307	-0.29	1.22	-0.18	-4.28e-05	0.0	-9.55e-05
2936	310	-0.30	0.85	-0.18	-1.49e-04	0.0	2.56e-05
2937	44	-1.48	1.67	-0.25	-2.43e-04	1.53e-06	5.40e-05
2937	68	-0.42	3.18	-0.22	1.95e-04	-3.90e-04	-5.21e-04
2937	76	-0.55	1.32	-0.30	-4.06e-04	1.21e-04	2.17e-04
2937	116	-13.05	-6.51	-0.14	1.37e-04	-1.49e-04	-4.22e-04
2937	129	7.38	15.34	0.09	-6.76e-04	1.71e-04	5.39e-04
2937	138	0.82	-11.18	-0.52	3.35e-04	-2.43e-04	-1.16e-04
2937	148	-14.64	-7.50	-0.13	1.74e-04	-1.69e-04	-4.78e-04
2937	161	8.36	17.25	0.12	-7.46e-04	1.93e-04	6.06e-04
2937	170	0.94	-12.77	-0.57	3.98e-04	-2.75e-04	-1.36e-04
2937	180	-14.51	-7.80	-0.14	1.85e-04	-1.68e-04	-4.79e-04
2937	193	8.47	17.88	0.14	-7.68e-04	1.96e-04	6.20e-04
2937	202	0.83	-13.14	-0.57	4.12e-04	-2.84e-04	-1.42e-04
2937	212	-16.95	-9.57	-0.14	2.52e-04	-2.00e-04	-5.71e-04
2937	225	10.11	21.35	0.20	-8.96e-04	2.35e-04	7.38e-04
2937	234	0.96	-15.81	-0.65	5.17e-04	-3.38e-04	-1.75e-04
2937	264	-1.00	1.17	-0.18	-1.70e-04	0.0	3.71e-05
2937	276	-0.30	2.17	-0.16	1.22e-04	-2.60e-04	-3.47e-04
2937	280	-0.38	0.93	-0.21	-2.79e-04	8.03e-05	1.45e-04
2937	298	-0.31	1.01	-0.18	-1.52e-04	2.43e-06	2.74e-05
2937	305	-0.43	0.96	-0.17	-1.44e-04	1.96e-06	2.73e-05
2937	307	-0.29	1.17	-0.17	-8.59e-05	-5.02e-05	-4.94e-05
2937	310	-0.29	0.95	-0.17	-1.44e-04	1.91e-06	2.54e-05
2938	44	-1.48	1.79	-0.25	-2.41e-04	1.26e-06	5.02e-05
2938	68	-0.42	2.98	-0.22	2.82e-04	-2.44e-04	-1.20e-04
2938	76	-0.55	1.55	-0.30	-4.29e-04	7.60e-05	8.89e-05
2938	116	-13.16	-6.54	-0.14	1.09e-04	-2.31e-04	-3.90e-04
2938	129	7.43	15.61	0.09	-6.20e-04	2.83e-04	4.91e-04
2938	138	0.84	-11.30	-0.52	2.93e-04	-3.37e-04	-6.45e-05
2938	148	-14.76	-7.55	-0.13	1.43e-04	-2.61e-04	-4.42e-04
2938	161	8.42	17.55	0.13	-6.84e-04	3.20e-04	5.51e-04
2938	170	0.96	-12.92	-0.57	3.51e-04	-3.82e-04	-7.62e-05
2938	180	-14.63	-7.85	-0.14	1.53e-04	-2.63e-04	-4.41e-04
2938	193	8.53	18.19	0.14	-7.03e-04	3.29e-04	5.62e-04
2938	202	0.85	-13.29	-0.57	3.63e-04	-3.94e-04	-7.93e-05
2938	212	-17.09	-9.65	-0.14	2.13e-04	-3.13e-04	-5.25e-04
2938	225	10.19	21.71	0.20	-8.18e-04	3.95e-04	6.69e-04
2938	234	0.99	-16.00	-0.65	4.58e-04	-4.69e-04	-9.92e-05
2938	264	-1.00	1.25	-0.18	-1.69e-04	0.0	3.46e-05
2938	276	-0.30	2.04	-0.16	1.80e-04	-1.63e-04	-7.90e-05
2938	280	-0.38	1.09	-0.21	-2.94e-04	5.05e-05	6.04e-05
2938	298	-0.31	1.08	-0.18	-1.50e-04	1.62e-06	2.35e-05
2938	305	-0.43	1.04	-0.17	-1.43e-04	1.35e-06	2.40e-05
2938	307	-0.29	1.19	-0.17	-7.35e-05	-3.14e-05	1.24e-06
2938	310	-0.30	1.02	-0.17	-1.43e-04	1.31e-06	2.20e-05
2939	44	-1.48	1.65	-0.26	-2.46e-04	0.0	5.05e-05
2939	68	-0.42	3.43	-0.22	5.90e-04	0.0	-4.51e-04
2939	76	-0.56	1.21	-0.29	-5.30e-04	0.0	1.90e-04
2939	116	-13.05	-6.39	-0.45	1.36e-04	0.0	-3.91e-04
2939	129	7.38	15.11	0.19	-6.74e-04	0.0	4.74e-04
2939	132	-7.97	-13.24	-0.53	3.80e-04	0.0	-4.28e-04
2939	148	-14.64	-7.36	-0.49	1.73e-04	0.0	-4.43e-04
2939	161	8.36	17.00	0.24	-7.44e-04	0.0	5.33e-04
2939	164	-8.96	-15.13	-0.57	4.50e-04	0.0	-4.86e-04
2939	180	-14.51	-7.66	-0.49	1.85e-04	0.0	-4.43e-04
2939	193	8.47	17.62	0.25	-7.65e-04	0.0	5.43e-04
2939	196	-9.06	-15.74	-0.59	4.72e-04	0.0	-4.97e-04
2939	212	-16.95	-9.40	-0.56	2.52e-04	0.0	-5.27e-04
2939	225	10.12	21.04	0.33	-8.92e-04	0.0	6.46e-04

2939	228	-10.71	-19.16	-0.67	5.98e-04	0.0	-5.99e-04
2939	264	-1.00	1.15	-0.19	-1.72e-04	0.0	3.47e-05
2939	276	-0.30	2.34	-0.16	3.86e-04	0.0	-3.00e-04
2939	280	-0.39	0.86	-0.21	-3.61e-04	0.0	1.28e-04
2939	298	-0.31	0.99	-0.17	-1.55e-04	0.0	2.50e-05
2939	305	-0.43	0.95	-0.17	-1.47e-04	0.0	2.51e-05
2939	307	-0.29	1.19	-0.16	-3.56e-05	0.0	-4.17e-05
2939	310	-0.30	0.94	-0.17	-1.47e-04	0.0	2.31e-05
2940	44	-1.48	1.77	-0.26	-2.46e-04	0.0	4.63e-05
2940	68	-0.42	2.96	-0.22	7.33e-04	0.0	-8.11e-05
2940	76	-0.55	1.53	-0.29	-5.72e-04	0.0	7.16e-05
2940	116	-13.16	-6.43	-0.46	1.17e-04	0.0	-3.87e-04
2940	129	7.43	15.40	0.19	-6.33e-04	0.0	4.71e-04
2940	132	-8.02	-13.38	-0.53	3.40e-04	0.0	-4.31e-04
2940	148	-14.75	-7.42	-0.49	1.52e-04	0.0	-4.38e-04
2940	161	8.42	17.31	0.24	-6.97e-04	0.0	5.29e-04
2940	164	-9.01	-15.30	-0.58	4.04e-04	0.0	-4.90e-04
2940	180	-14.62	-7.72	-0.50	1.62e-04	0.0	-4.37e-04
2940	193	8.53	17.94	0.25	-7.18e-04	0.0	5.39e-04
2940	196	-9.12	-15.92	-0.59	4.24e-04	0.0	-5.00e-04
2940	212	-17.08	-9.49	-0.56	2.25e-04	0.0	-5.19e-04
2940	225	10.18	21.41	0.34	-8.35e-04	0.0	6.41e-04
2940	228	-10.78	-19.39	-0.67	5.41e-04	0.0	-6.02e-04
2940	264	-1.00	1.23	-0.19	-1.72e-04	0.0	3.19e-05
2940	276	-0.30	2.03	-0.16	4.81e-04	0.0	-5.30e-05
2940	280	-0.39	1.07	-0.21	-3.90e-04	0.0	4.88e-05
2940	298	-0.31	1.07	-0.17	-1.55e-04	0.0	2.11e-05
2940	305	-0.43	1.02	-0.17	-1.47e-04	0.0	2.17e-05
2940	307	-0.29	1.18	-0.16	-1.64e-05	0.0	4.71e-06
2940	310	-0.30	1.01	-0.17	-1.47e-04	0.0	1.98e-05
2941	28	-1.15	1.83	-0.31	-2.87e-04	0.0	5.17e-05
2941	44	-1.49	1.62	-0.30	-2.50e-04	0.0	4.95e-05
2941	68	-0.43	3.62	-0.23	9.06e-04	0.0	-4.00e-04
2941	116	-13.06	-6.29	-0.69	1.24e-04	0.0	-3.79e-04
2941	129	7.38	14.92	0.29	-6.53e-04	0.0	4.47e-04
2941	148	-14.65	-7.25	-0.76	1.60e-04	0.0	-4.30e-04
2941	161	8.36	16.78	0.35	-7.20e-04	0.0	5.02e-04
2941	180	-14.52	-7.54	-0.76	1.71e-04	0.0	-4.29e-04
2941	193	8.47	17.39	0.37	-7.41e-04	0.0	5.12e-04
2941	212	-16.96	-9.25	-0.86	2.36e-04	0.0	-5.09e-04
2941	225	10.12	20.77	0.47	-8.61e-04	0.0	6.07e-04
2941	256	-0.78	1.26	-0.22	-2.00e-04	0.0	3.55e-05
2941	264	-1.01	1.13	-0.21	-1.75e-04	0.0	3.40e-05
2941	276	-0.30	2.46	-0.17	5.96e-04	0.0	-2.65e-04
2941	298	-0.31	0.98	-0.19	-1.59e-04	0.0	2.43e-05
2941	305	-0.43	0.94	-0.18	-1.50e-04	0.0	2.45e-05
2941	307	-0.29	1.21	-0.18	3.72e-06	0.0	-3.54e-05
2941	310	-0.30	0.92	-0.18	-1.50e-04	0.0	2.25e-05
2942	28	-1.14	1.97	-0.31	-2.89e-04	0.0	3.78e-05
2942	44	-1.48	1.75	-0.30	-2.51e-04	0.0	3.90e-05
2942	68	-0.42	2.95	-0.23	1.16e-03	0.0	9.60e-05
2942	116	-13.15	-6.33	-0.69	9.43e-05	0.0	-3.88e-04
2942	137	5.52	15.23	0.22	-6.80e-04	0.0	2.52e-04
2942	148	-14.75	-7.30	-0.75	1.27e-04	0.0	-4.39e-04
2942	169	6.26	17.11	0.27	-7.49e-04	0.0	2.82e-04
2942	180	-14.62	-7.59	-0.75	1.37e-04	0.0	-4.37e-04
2942	193	8.52	17.70	0.36	-6.66e-04	0.0	5.20e-04
2942	212	-17.08	-9.33	-0.86	1.95e-04	0.0	-5.19e-04
2942	225	10.18	21.13	0.47	-7.72e-04	0.0	6.19e-04
2942	256	-0.78	1.37	-0.22	-2.01e-04	0.0	2.61e-05
2942	264	-1.00	1.22	-0.21	-1.76e-04	0.0	2.69e-05
2942	276	-0.30	2.02	-0.17	7.64e-04	0.0	6.49e-05
2942	298	-0.31	1.06	-0.19	-1.60e-04	0.0	1.63e-05
2942	305	-0.43	1.02	-0.18	-1.51e-04	0.0	1.72e-05
2942	307	-0.29	1.17	-0.18	3.66e-05	0.0	2.48e-05
2942	310	-0.30	1.00	-0.18	-1.51e-04	0.0	1.53e-05
2943	15	0.30	0.43	-0.09	-1.32e-04	0.0	0.0
2943	44	-1.00	0.93	-0.05	-2.40e-04	0.0	2.57e-05
2943	68	-0.15	1.99	-0.06	-3.78e-04	0.0	2.10e-05
2943	113	10.52	6.34	-0.21	-7.37e-04	0.0	3.49e-04
2943	116	-10.75	-5.27	0.09	4.50e-04	0.0	-3.34e-04
2943	137	4.60	12.17	-0.08	-1.31e-03	0.0	1.83e-04
2943	145	11.84	7.10	-0.23	-8.15e-04	0.0	3.92e-04
2943	148	-12.07	-6.04	0.11	5.28e-04	0.0	-3.76e-04
2943	169	5.19	13.70	-0.08	-1.46e-03	0.0	2.05e-04

2943	177	11.73	7.32	-0.23	-8.36e-04	0.0	3.89e-04
2943	180	-11.96	-6.26	0.11	5.49e-04	0.0	-3.74e-04
2943	201	5.18	14.05	-0.08	-1.50e-03	0.0	2.01e-04
2943	209	13.76	8.68	-0.26	-9.75e-04	0.0	4.57e-04
2943	212	-13.99	-7.62	0.14	6.88e-04	0.0	-4.42e-04
2943	233	6.11	16.63	-0.09	-1.76e-03	0.0	2.34e-04
2943	248	0.20	0.31	-0.07	-9.60e-05	0.0	0.0
2943	264	-0.68	0.65	-0.04	-1.68e-04	0.0	1.76e-05
2943	276	-0.11	1.35	-0.05	-2.60e-04	0.0	1.45e-05
2943	302	-0.02	0.33	-0.07	-9.64e-05	0.0	4.14e-06
2943	305	-0.22	0.54	-0.06	-1.44e-04	0.0	9.44e-06
2943	307	-0.11	0.68	-0.06	-1.62e-04	0.0	8.82e-06
2943	309	-0.08	0.33	-0.07	-9.65e-05	0.0	5.00e-06
2943	310	-0.11	0.53	-0.06	-1.44e-04	0.0	7.72e-06
2944	44	-1.00	0.93	-0.07	-2.40e-04	0.0	2.57e-05
2944	68	-0.15	1.98	-0.07	-3.75e-04	0.0	2.11e-05
2944	89	-0.12	-0.10	-0.09	-6.46e-05	0.0	2.65e-06
2944	116	-10.75	-5.25	-0.05	4.47e-04	0.0	-3.34e-04
2944	137	4.60	12.14	-0.05	-1.31e-03	0.0	1.83e-04
2944	138	0.95	-9.48	-0.08	8.61e-04	0.0	-1.35e-05
2944	148	-12.07	-6.01	-0.05	5.25e-04	0.0	-3.76e-04
2944	169	5.19	13.67	-0.05	-1.46e-03	0.0	2.05e-04
2944	170	1.07	-10.80	-0.08	9.93e-04	0.0	-1.63e-05
2944	180	-11.95	-6.22	-0.05	5.46e-04	0.0	-3.74e-04
2944	201	5.18	14.02	-0.05	-1.50e-03	0.0	2.01e-04
2944	202	0.98	-11.11	-0.08	1.02e-03	0.0	-1.49e-05
2944	212	-13.98	-7.57	-0.05	6.84e-04	0.0	-4.41e-04
2944	233	6.11	16.59	-0.05	-1.75e-03	0.0	2.33e-04
2944	234	1.13	-13.31	-0.09	1.24e-03	0.0	-1.88e-05
2944	264	-0.67	0.64	-0.06	-1.68e-04	0.0	1.76e-05
2944	276	-0.11	1.35	-0.06	-2.58e-04	0.0	1.45e-05
2944	285	-0.09	-0.04	-0.07	-5.08e-05	0.0	2.24e-06
2944	305	-0.22	0.54	-0.06	-1.44e-04	0.0	9.45e-06
2944	307	-0.11	0.68	-0.06	-1.62e-04	0.0	8.83e-06
2944	308	-0.08	0.26	-0.07	-8.74e-05	0.0	4.46e-06
2944	309	-0.08	0.33	-0.07	-9.65e-05	0.0	5.01e-06
2944	310	-0.11	0.53	-0.06	-1.44e-04	0.0	7.73e-06
2945	15	0.28	0.50	-0.09	-1.32e-04	0.0	0.0
2945	44	-1.13	1.06	-0.04	-2.40e-04	0.0	2.61e-05
2945	68	-0.23	2.19	-0.05	-3.64e-04	0.0	3.41e-05
2945	113	11.01	6.73	-0.24	-6.81e-04	0.0	3.68e-04
2945	116	-11.34	-5.51	0.13	3.94e-04	0.0	-3.52e-04
2945	137	4.82	12.86	-0.13	-1.21e-03	0.0	1.92e-04
2945	145	12.40	7.54	-0.26	-7.52e-04	0.0	4.13e-04
2945	148	-12.73	-6.32	0.15	4.65e-04	0.0	-3.97e-04
2945	169	5.45	14.47	-0.14	-1.35e-03	0.0	2.15e-04
2945	177	12.28	7.76	-0.26	-7.72e-04	0.0	4.11e-04
2945	180	-12.61	-6.55	0.15	4.85e-04	0.0	-3.95e-04
2945	201	5.45	14.85	-0.14	-1.38e-03	0.0	2.10e-04
2945	209	14.42	9.20	-0.29	-8.98e-04	0.0	4.82e-04
2945	212	-14.74	-7.98	0.19	6.11e-04	0.0	-4.66e-04
2945	233	6.43	17.56	-0.15	-1.61e-03	0.0	2.44e-04
2945	248	0.18	0.36	-0.07	-9.60e-05	0.0	0.0
2945	264	-0.76	0.74	-0.03	-1.68e-04	0.0	1.79e-05
2945	276	-0.16	1.49	-0.04	-2.50e-04	0.0	2.32e-05
2945	302	-0.06	0.38	-0.06	-9.64e-05	0.0	4.24e-06
2945	305	-0.28	0.62	-0.05	-1.44e-04	0.0	9.64e-06
2945	307	-0.16	0.77	-0.05	-1.60e-04	0.0	1.07e-05
2945	309	-0.11	0.39	-0.06	-9.65e-05	0.0	5.11e-06
2945	310	-0.16	0.61	-0.05	-1.44e-04	0.0	7.91e-06
2946	44	-1.13	1.05	-0.07	-2.40e-04	0.0	2.61e-05
2946	68	-0.23	2.18	-0.07	-3.60e-04	0.0	3.41e-05
2946	89	-0.17	-0.07	-0.09	-7.20e-05	0.0	-3.56e-06
2946	116	-11.34	-5.48	-0.06	3.90e-04	0.0	-3.52e-04
2946	137	4.82	12.83	-0.05	-1.20e-03	0.0	1.92e-04
2946	138	0.91	-9.93	-0.08	7.71e-04	0.0	-1.43e-05
2946	148	-12.73	-6.28	-0.05	4.61e-04	0.0	-3.97e-04
2946	169	5.45	14.44	-0.05	-1.34e-03	0.0	2.15e-04
2946	170	1.03	-11.32	-0.08	8.91e-04	0.0	-1.72e-05
2946	180	-12.61	-6.51	-0.05	4.80e-04	0.0	-3.95e-04
2946	201	5.45	14.81	-0.05	-1.37e-03	0.0	2.10e-04
2946	202	0.94	-11.65	-0.08	9.17e-04	0.0	-1.57e-05
2946	212	-14.74	-7.93	-0.05	6.05e-04	0.0	-4.66e-04
2946	233	6.43	17.52	-0.05	-1.61e-03	0.0	2.44e-04
2946	234	1.08	-13.97	-0.09	1.12e-03	0.0	-1.97e-05

2946	264	-0.76	0.73	-0.06	-1.68e-04	0.0	1.79e-05
2946	276	-0.16	1.48	-0.06	-2.48e-04	0.0	2.32e-05
2946	285	-0.12	-0.01	-0.07	-5.58e-05	0.0	-1.89e-06
2946	305	-0.28	0.61	-0.06	-1.44e-04	0.0	9.65e-06
2946	307	-0.16	0.76	-0.06	-1.60e-04	0.0	1.07e-05
2946	308	-0.12	0.30	-0.07	-8.84e-05	0.0	3.71e-06
2946	309	-0.11	0.38	-0.07	-9.65e-05	0.0	5.11e-06
2946	310	-0.16	0.61	-0.06	-1.44e-04	0.0	7.91e-06
2947	15	0.24	0.57	-0.09	-1.32e-04	0.0	0.0
2947	44	-1.27	1.19	-0.03	-2.40e-04	0.0	2.65e-05
2947	68	-0.31	2.39	-0.05	-3.39e-04	0.0	4.70e-05
2947	113	11.52	7.08	-0.24	-5.99e-04	0.0	3.88e-04
2947	116	-11.96	-5.71	0.14	3.12e-04	0.0	-3.72e-04
2947	137	5.05	13.47	-0.13	-1.05e-03	0.0	2.02e-04
2947	145	12.98	7.92	-0.26	-6.60e-04	0.0	4.35e-04
2947	148	-13.42	-6.55	0.16	3.72e-04	0.0	-4.19e-04
2947	169	5.72	15.15	-0.14	-1.17e-03	0.0	2.26e-04
2947	177	12.86	8.16	-0.26	-6.77e-04	0.0	4.33e-04
2947	180	-13.30	-6.79	0.16	3.89e-04	0.0	-4.16e-04
2947	201	5.72	15.55	-0.14	-1.20e-03	0.0	2.21e-04
2947	209	15.10	9.66	-0.29	-7.84e-04	0.0	5.08e-04
2947	212	-15.54	-8.29	0.19	4.96e-04	0.0	-4.92e-04
2947	233	6.77	18.38	-0.16	-1.40e-03	0.0	2.57e-04
2947	248	0.15	0.41	-0.07	-9.60e-05	0.0	0.0
2947	264	-0.86	0.83	-0.03	-1.68e-04	0.0	1.82e-05
2947	276	-0.22	1.62	-0.04	-2.34e-04	0.0	3.18e-05
2947	302	-0.09	0.43	-0.06	-9.64e-05	0.0	4.35e-06
2947	305	-0.34	0.69	-0.05	-1.44e-04	0.0	9.88e-06
2947	307	-0.22	0.85	-0.05	-1.57e-04	0.0	1.26e-05
2947	309	-0.16	0.44	-0.06	-9.65e-05	0.0	5.22e-06
2947	310	-0.22	0.68	-0.05	-1.44e-04	0.0	8.13e-06
2948	44	-1.27	1.18	-0.07	-2.40e-04	0.0	2.65e-05
2948	68	-0.31	2.37	-0.07	-3.36e-04	0.0	4.70e-05
2948	89	-0.24	-0.03	-0.09	-8.44e-05	0.0	-9.72e-06
2948	116	-11.96	-5.67	-0.06	3.08e-04	0.0	-3.72e-04
2948	137	5.05	13.44	-0.05	-1.05e-03	0.0	2.01e-04
2948	138	0.86	-10.32	-0.08	6.39e-04	0.0	-1.55e-05
2948	148	-13.42	-6.51	-0.05	3.68e-04	0.0	-4.19e-04
2948	169	5.72	15.12	-0.05	-1.17e-03	0.0	2.25e-04
2948	170	0.98	-11.77	-0.09	7.41e-04	0.0	-1.87e-05
2948	180	-13.30	-6.75	-0.06	3.85e-04	0.0	-4.16e-04
2948	201	5.72	15.51	-0.05	-1.20e-03	0.0	2.20e-04
2948	202	0.88	-12.11	-0.09	7.64e-04	0.0	-1.70e-05
2948	212	-15.54	-8.23	-0.05	4.91e-04	0.0	-4.92e-04
2948	233	6.76	18.34	-0.05	-1.40e-03	0.0	2.57e-04
2948	234	1.02	-14.53	-0.09	9.35e-04	0.0	-2.13e-05
2948	264	-0.86	0.82	-0.06	-1.68e-04	0.0	1.82e-05
2948	276	-0.22	1.61	-0.06	-2.32e-04	0.0	3.18e-05
2948	285	-0.17	0.02	-0.07	-6.41e-05	0.0	-5.97e-06
2948	305	-0.34	0.69	-0.06	-1.44e-04	0.0	9.88e-06
2948	307	-0.22	0.85	-0.06	-1.57e-04	0.0	1.26e-05
2948	308	-0.16	0.35	-0.07	-9.00e-05	0.0	2.98e-06
2948	309	-0.16	0.44	-0.07	-9.65e-05	0.0	5.22e-06
2948	310	-0.22	0.68	-0.06	-1.44e-04	0.0	8.13e-06
2949	41	-0.94	0.52	-0.10	-1.35e-04	0.0	1.97e-05
2949	44	-1.00	0.92	-0.08	-2.40e-04	0.0	2.57e-05
2949	68	-0.15	1.97	-0.07	-3.72e-04	0.0	2.12e-05
2949	116	-10.75	-5.22	-0.20	4.44e-04	0.0	-3.33e-04
2949	137	4.60	12.11	0.01	-1.31e-03	0.0	1.83e-04
2949	148	-12.07	-5.98	-0.22	5.22e-04	0.0	-3.76e-04
2949	169	5.19	13.64	0.02	-1.46e-03	0.0	2.05e-04
2949	180	-11.96	-6.19	-0.22	5.42e-04	0.0	-3.73e-04
2949	201	5.19	13.99	0.02	-1.50e-03	0.0	2.00e-04
2949	212	-13.99	-7.53	-0.25	6.79e-04	0.0	-4.41e-04
2949	233	6.12	16.55	0.04	-1.75e-03	0.0	2.33e-04
2949	261	-0.63	0.37	-0.08	-9.75e-05	0.0	1.36e-05
2949	264	-0.67	0.64	-0.07	-1.68e-04	0.0	1.76e-05
2949	276	-0.10	1.34	-0.06	-2.56e-04	0.0	1.46e-05
2949	304	-0.19	0.34	-0.07	-9.67e-05	0.0	6.72e-06
2949	305	-0.22	0.54	-0.07	-1.44e-04	0.0	9.44e-06
2949	307	-0.11	0.68	-0.06	-1.61e-04	0.0	8.83e-06
2949	309	-0.08	0.33	-0.07	-9.65e-05	0.0	5.00e-06
2949	310	-0.11	0.53	-0.06	-1.43e-04	0.0	7.71e-06
2950	41	-1.03	0.59	-0.11	-1.35e-04	0.0	1.99e-05
2950	44	-1.13	1.05	-0.10	-2.40e-04	0.0	2.61e-05

2950	68	-0.23	2.17	-0.08	-3.57e-04	0.0	3.41e-05
2950	116	-11.34	-5.45	-0.24	3.87e-04	0.0	-3.53e-04
2950	137	4.82	12.80	0.02	-1.20e-03	0.0	1.92e-04
2950	148	-12.73	-6.25	-0.26	4.57e-04	0.0	-3.98e-04
2950	169	5.45	14.41	0.04	-1.34e-03	0.0	2.15e-04
2950	180	-12.61	-6.47	-0.26	4.76e-04	0.0	-3.95e-04
2950	201	5.45	14.78	0.04	-1.37e-03	0.0	2.10e-04
2950	212	-14.74	-7.88	-0.30	6.00e-04	0.0	-4.66e-04
2950	233	6.43	17.48	0.06	-1.61e-03	0.0	2.45e-04
2950	261	-0.69	0.42	-0.09	-9.75e-05	0.0	1.38e-05
2950	264	-0.76	0.73	-0.08	-1.68e-04	0.0	1.79e-05
2950	276	-0.16	1.48	-0.07	-2.46e-04	0.0	2.32e-05
2950	304	-0.23	0.39	-0.08	-9.67e-05	0.0	6.84e-06
2950	305	-0.28	0.61	-0.08	-1.44e-04	0.0	9.64e-06
2950	307	-0.16	0.76	-0.07	-1.59e-04	0.0	1.07e-05
2950	309	-0.11	0.38	-0.08	-9.65e-05	0.0	5.11e-06
2950	310	-0.16	0.60	-0.07	-1.44e-04	0.0	7.91e-06
2951	41	-1.13	0.66	-0.12	-1.35e-04	0.0	2.02e-05
2951	44	-1.27	1.17	-0.11	-2.40e-04	0.0	2.65e-05
2951	68	-0.31	2.36	-0.09	-3.33e-04	0.0	4.70e-05
2951	116	-11.96	-5.64	-0.25	3.05e-04	0.0	-3.72e-04
2951	137	5.05	13.42	0.02	-1.05e-03	0.0	2.01e-04
2951	148	-13.42	-6.47	-0.27	3.64e-04	0.0	-4.19e-04
2951	169	5.72	15.09	0.04	-1.17e-03	0.0	2.25e-04
2951	180	-13.30	-6.71	-0.27	3.81e-04	0.0	-4.16e-04
2951	201	5.72	15.48	0.04	-1.19e-03	0.0	2.20e-04
2951	212	-15.54	-8.18	-0.30	4.86e-04	0.0	-4.92e-04
2951	233	6.76	18.30	0.06	-1.39e-03	0.0	2.56e-04
2951	261	-0.77	0.48	-0.09	-9.75e-05	0.0	1.39e-05
2951	264	-0.86	0.82	-0.08	-1.68e-04	0.0	1.82e-05
2951	276	-0.22	1.61	-0.07	-2.30e-04	0.0	3.18e-05
2951	304	-0.28	0.44	-0.08	-9.67e-05	0.0	6.96e-06
2951	305	-0.34	0.69	-0.08	-1.44e-04	0.0	9.88e-06
2951	307	-0.22	0.85	-0.08	-1.56e-04	0.0	1.26e-05
2951	309	-0.16	0.43	-0.08	-9.65e-05	0.0	5.22e-06
2951	310	-0.22	0.68	-0.08	-1.44e-04	0.0	8.13e-06
2952	15	0.21	0.63	-0.09	-1.32e-04	0.0	0.0
2952	44	-1.40	1.31	-0.04	-2.40e-04	0.0	2.70e-05
2952	68	-0.39	2.55	-0.05	-3.05e-04	0.0	5.79e-05
2952	113	11.98	7.35	-0.22	-5.09e-04	0.0	4.05e-04
2952	116	-12.53	-5.84	0.11	2.22e-04	0.0	-3.88e-04
2952	137	5.26	13.96	-0.12	-8.83e-04	0.0	2.09e-04
2952	145	13.50	8.23	-0.24	-5.58e-04	0.0	4.54e-04
2952	148	-14.05	-6.71	0.13	2.70e-04	0.0	-4.37e-04
2952	169	5.96	15.70	-0.13	-9.80e-04	0.0	2.34e-04
2952	177	13.37	8.48	-0.24	-5.72e-04	0.0	4.51e-04
2952	180	-13.92	-6.96	0.13	2.84e-04	0.0	-4.34e-04
2952	201	5.97	16.10	-0.13	-1.00e-03	0.0	2.29e-04
2952	209	15.72	10.02	-0.27	-6.58e-04	0.0	5.30e-04
2952	212	-16.27	-8.51	0.16	3.71e-04	0.0	-5.13e-04
2952	233	7.07	19.02	-0.15	-1.17e-03	0.0	2.66e-04
2952	248	0.13	0.46	-0.07	-9.60e-05	0.0	0.0
2952	264	-0.95	0.91	-0.04	-1.68e-04	0.0	1.85e-05
2952	276	-0.28	1.74	-0.05	-2.11e-04	0.0	3.91e-05
2952	302	-0.13	0.48	-0.07	-9.65e-05	0.0	4.46e-06
2952	305	-0.40	0.77	-0.05	-1.44e-04	0.0	1.02e-05
2952	307	-0.27	0.93	-0.05	-1.53e-04	0.0	1.43e-05
2952	309	-0.19	0.48	-0.07	-9.66e-05	0.0	5.34e-06
2952	310	-0.27	0.76	-0.05	-1.44e-04	0.0	8.40e-06
2953	44	-1.40	1.30	-0.07	-2.40e-04	0.0	2.70e-05
2953	68	-0.39	2.54	-0.07	-3.03e-04	0.0	5.73e-05
2953	89	-0.29	0.02	-0.10	-1.01e-04	0.0	-1.45e-05
2953	116	-12.53	-5.81	-0.06	2.17e-04	0.0	-3.88e-04
2953	137	5.26	13.93	-0.05	-8.77e-04	0.0	2.11e-04
2953	138	0.81	-10.60	-0.08	4.90e-04	0.0	-1.74e-05
2953	148	-14.05	-6.67	-0.06	2.65e-04	0.0	-4.38e-04
2953	169	5.96	15.66	-0.05	-9.73e-04	0.0	2.36e-04
2953	170	0.93	-12.10	-0.09	5.73e-04	0.0	-2.08e-05
2953	180	-13.93	-6.92	-0.06	2.79e-04	0.0	-4.35e-04
2953	201	5.97	16.07	-0.05	-9.94e-04	0.0	2.31e-04
2953	202	0.82	-12.45	-0.09	5.91e-04	0.0	-1.92e-05
2953	212	-16.27	-8.45	-0.05	3.64e-04	0.0	-5.14e-04
2953	233	7.07	18.98	-0.05	-1.16e-03	0.0	2.69e-04
2953	234	0.96	-14.96	-0.09	7.30e-04	0.0	-2.39e-05
2953	264	-0.95	0.91	-0.06	-1.68e-04	0.0	1.85e-05

2953	276	-0.28	1.73	-0.06	-2.10e-04	0.0	3.87e-05
2953	285	-0.21	0.05	-0.07	-7.49e-05	0.0	-9.14e-06
2953	305	-0.40	0.76	-0.06	-1.44e-04	0.0	1.02e-05
2953	307	-0.27	0.93	-0.06	-1.52e-04	0.0	1.42e-05
2953	308	-0.20	0.40	-0.07	-9.22e-05	0.0	2.44e-06
2953	309	-0.19	0.48	-0.07	-9.65e-05	0.0	5.34e-06
2953	310	-0.27	0.75	-0.06	-1.44e-04	0.0	8.40e-06
2954	15	0.19	0.70	-0.10	-1.32e-04	0.0	0.0
2954	44	-1.51	1.43	-0.06	-2.40e-04	0.0	2.76e-05
2954	68	-0.46	2.71	-0.07	-2.61e-04	0.0	7.87e-05
2954	113	12.39	7.59	-0.18	-4.14e-04	0.0	4.23e-04
2954	116	-13.03	-5.93	0.06	1.26e-04	0.0	-4.06e-04
2954	137	5.46	14.36	-0.08	-7.03e-04	0.0	2.30e-04
2954	145	13.97	8.48	-0.20	-4.50e-04	0.0	4.75e-04
2954	148	-14.61	-6.82	0.07	1.62e-04	0.0	-4.58e-04
2954	169	6.19	16.14	-0.09	-7.76e-04	0.0	2.58e-04
2954	177	13.84	8.73	-0.20	-4.61e-04	0.0	4.73e-04
2954	180	-14.48	-7.08	0.07	1.73e-04	0.0	-4.55e-04
2954	201	6.19	16.56	-0.09	-7.93e-04	0.0	2.54e-04
2954	209	16.27	10.32	-0.22	-5.26e-04	0.0	5.56e-04
2954	212	-16.91	-8.66	0.09	2.38e-04	0.0	-5.38e-04
2954	233	7.34	19.55	-0.09	-9.17e-04	0.0	2.97e-04
2954	248	0.11	0.51	-0.08	-9.61e-05	0.0	1.04e-06
2954	264	-1.02	1.00	-0.05	-1.68e-04	0.0	1.89e-05
2954	276	-0.32	1.85	-0.06	-1.81e-04	0.0	5.30e-05
2954	302	-0.16	0.53	-0.07	-9.65e-05	0.0	4.59e-06
2954	305	-0.45	0.84	-0.06	-1.44e-04	0.0	1.05e-05
2954	307	-0.31	1.01	-0.06	-1.47e-04	0.0	1.73e-05
2954	309	-0.23	0.53	-0.07	-9.66e-05	0.0	5.47e-06
2954	310	-0.32	0.83	-0.06	-1.44e-04	0.0	8.71e-06
2955	44	-1.51	1.42	-0.07	-2.40e-04	0.0	2.76e-05
2955	68	-0.46	2.68	-0.07	-2.63e-04	0.0	6.28e-05
2955	89	-0.34	0.07	-0.10	-1.21e-04	0.0	-1.68e-05
2955	116	-13.02	-5.89	-0.06	1.24e-04	0.0	-4.02e-04
2955	137	5.45	14.32	-0.05	-6.98e-04	0.0	2.20e-04
2955	138	0.77	-10.81	-0.09	3.35e-04	0.0	-2.05e-05
2955	148	-14.60	-6.77	-0.06	1.60e-04	0.0	-4.53e-04
2955	169	6.18	16.09	-0.05	-7.70e-04	0.0	2.47e-04
2955	170	0.89	-12.34	-0.09	3.98e-04	0.0	-2.44e-05
2955	180	-14.47	-7.02	-0.06	1.71e-04	0.0	-4.50e-04
2955	201	6.19	16.51	-0.05	-7.87e-04	0.0	2.42e-04
2955	202	0.78	-12.70	-0.09	4.12e-04	0.0	-2.31e-05
2955	212	-16.90	-8.59	-0.05	2.35e-04	0.0	-5.32e-04
2955	233	7.33	19.49	-0.05	-9.09e-04	0.0	2.82e-04
2955	234	0.90	-15.26	-0.09	5.17e-04	0.0	-2.87e-05
2955	264	-1.02	0.99	-0.06	-1.68e-04	0.0	1.90e-05
2955	276	-0.32	1.83	-0.06	-1.83e-04	0.0	4.24e-05
2955	285	-0.24	0.09	-0.07	-8.84e-05	0.0	-1.07e-05
2955	305	-0.45	0.84	-0.06	-1.44e-04	0.0	1.05e-05
2955	307	-0.31	1.00	-0.06	-1.47e-04	0.0	1.52e-05
2955	308	-0.23	0.44	-0.07	-9.49e-05	0.0	2.26e-06
2955	309	-0.23	0.53	-0.07	-9.65e-05	0.0	5.49e-06
2955	310	-0.32	0.83	-0.07	-1.44e-04	0.0	8.76e-06
2956	41	-1.23	0.73	-0.11	-1.35e-04	0.0	2.04e-05
2956	44	-1.40	1.29	-0.10	-2.40e-04	0.0	2.70e-05
2956	68	-0.39	2.52	-0.08	-3.03e-04	0.0	5.67e-05
2956	116	-12.53	-5.77	-0.22	2.15e-04	0.0	-3.89e-04
2956	137	5.26	13.90	0.01	-8.76e-04	0.0	2.12e-04
2956	148	-14.05	-6.63	-0.24	2.63e-04	0.0	-4.39e-04
2956	169	5.96	15.63	0.03	-9.72e-04	0.0	2.37e-04
2956	180	-13.93	-6.87	-0.24	2.77e-04	0.0	-4.36e-04
2956	201	5.97	16.03	0.03	-9.94e-04	0.0	2.33e-04
2956	212	-16.27	-8.39	-0.27	3.61e-04	0.0	-5.15e-04
2956	233	7.07	18.94	0.05	-1.16e-03	0.0	2.71e-04
2956	261	-0.84	0.53	-0.09	-9.75e-05	0.0	1.41e-05
2956	264	-0.95	0.90	-0.08	-1.68e-04	0.0	1.85e-05
2956	276	-0.28	1.72	-0.07	-2.10e-04	0.0	3.83e-05
2956	304	-0.32	0.49	-0.08	-9.67e-05	0.0	7.10e-06
2956	305	-0.40	0.76	-0.08	-1.44e-04	0.0	1.02e-05
2956	307	-0.27	0.92	-0.07	-1.52e-04	0.0	1.41e-05
2956	309	-0.19	0.48	-0.08	-9.65e-05	0.0	5.34e-06
2956	310	-0.28	0.75	-0.08	-1.44e-04	0.0	8.40e-06
2957	41	-1.32	0.80	-0.10	-1.34e-04	0.0	2.08e-05
2957	44	-1.52	1.41	-0.08	-2.40e-04	0.0	2.77e-05
2957	68	-0.47	2.67	-0.07	-2.65e-04	0.0	4.88e-05

2957	116	-13.03	-5.85	-0.17	1.22e-04	0.0	-3.98e-04
2957	137	5.45	14.29	-7.40e-04	-6.92e-04	0.0	2.11e-04
2957	148	-14.61	-6.74	-0.18	1.57e-04	0.0	-4.49e-04
2957	169	6.18	16.07	7.81e-03	-7.64e-04	0.0	2.36e-04
2957	180	-14.48	-6.98	-0.18	1.68e-04	0.0	-4.46e-04
2957	201	6.18	16.48	8.86e-03	-7.81e-04	0.0	2.30e-04
2957	212	-16.91	-8.54	-0.20	2.31e-04	0.0	-5.26e-04
2957	233	7.33	19.46	0.02	-9.02e-04	0.0	2.67e-04
2957	261	-0.89	0.57	-0.08	-9.74e-05	0.0	1.44e-05
2957	264	-1.03	0.98	-0.07	-1.68e-04	0.0	1.90e-05
2957	276	-0.33	1.82	-0.06	-1.85e-04	0.0	3.31e-05
2957	304	-0.36	0.54	-0.08	-9.66e-05	0.0	7.29e-06
2957	305	-0.46	0.83	-0.07	-1.44e-04	0.0	1.06e-05
2957	307	-0.32	1.00	-0.07	-1.47e-04	0.0	1.34e-05
2957	309	-0.23	0.53	-0.08	-9.64e-05	0.0	5.51e-06
2957	310	-0.32	0.82	-0.07	-1.44e-04	0.0	8.80e-06
2958	15	0.20	0.77	-0.11	-1.33e-04	0.0	0.0
2958	44	-1.49	1.55	-0.07	-2.41e-04	0.0	2.88e-05
2958	68	-0.44	2.80	-0.08	-2.24e-04	0.0	4.08e-05
2958	114	9.91	0.36	-0.16	-1.38e-04	0.0	2.09e-04
2958	116	-13.06	-5.95	0.01	5.49e-05	0.0	-4.02e-04
2958	137	5.49	14.63	-0.09	-5.64e-04	0.0	2.31e-04
2958	146	11.16	0.29	-0.17	-1.37e-04	0.0	2.33e-04
2958	148	-14.65	-6.85	0.02	8.13e-05	0.0	-4.53e-04
2958	169	6.22	16.44	-0.09	-6.19e-04	0.0	2.59e-04
2958	178	10.93	0.22	-0.17	-1.37e-04	0.0	2.25e-04
2958	180	-14.52	-7.11	0.02	8.95e-05	0.0	-4.51e-04
2958	201	6.22	16.86	-0.09	-6.32e-04	0.0	2.55e-04
2958	210	12.77	0.04	-0.19	-1.34e-04	0.0	2.58e-04
2958	212	-16.96	-8.72	0.03	1.37e-04	0.0	-5.33e-04
2958	233	7.37	19.90	-0.09	-7.25e-04	0.0	2.98e-04
2958	248	0.12	0.56	-0.08	-9.61e-05	0.0	1.14e-06
2958	264	-1.01	1.08	-0.06	-1.68e-04	0.0	1.98e-05
2958	276	-0.31	1.92	-0.06	-1.57e-04	0.0	2.78e-05
2958	302	-0.15	0.58	-0.08	-9.66e-05	0.0	4.76e-06
2958	305	-0.44	0.91	-0.07	-1.44e-04	0.0	1.13e-05
2958	307	-0.30	1.08	-0.07	-1.42e-04	0.0	1.29e-05
2958	309	-0.22	0.58	-0.08	-9.67e-05	0.0	5.66e-06
2958	310	-0.31	0.90	-0.07	-1.44e-04	0.0	9.47e-06
2959	44	-1.49	1.54	-0.07	-2.40e-04	0.0	2.88e-05
2959	68	-0.44	2.79	-0.07	-2.30e-04	0.0	4.24e-05
2959	89	-0.33	0.14	-0.10	-1.37e-04	0.0	-5.93e-06
2959	116	-13.06	-5.91	-0.06	5.56e-05	0.0	-4.02e-04
2959	137	5.49	14.60	-0.05	-5.60e-04	0.0	2.32e-04
2959	138	0.79	-10.92	-0.09	2.15e-04	0.0	-3.01e-05
2959	148	-14.64	-6.81	-0.06	8.21e-05	0.0	-4.54e-04
2959	169	6.22	16.40	-0.05	-6.14e-04	0.0	2.60e-04
2959	170	0.91	-12.47	-0.09	2.62e-04	0.0	-3.54e-05
2959	180	-14.52	-7.06	-0.06	9.03e-05	0.0	-4.52e-04
2959	201	6.22	16.82	-0.05	-6.27e-04	0.0	2.57e-04
2959	202	0.80	-12.84	-0.09	2.72e-04	0.0	-3.53e-05
2959	212	-16.96	-8.66	-0.05	1.38e-04	0.0	-5.34e-04
2959	233	7.38	19.85	-0.05	-7.19e-04	0.0	3.00e-04
2959	234	0.93	-15.44	-0.09	3.50e-04	0.0	-4.38e-05
2959	264	-1.01	1.07	-0.06	-1.68e-04	0.0	1.98e-05
2959	276	-0.31	1.91	-0.06	-1.61e-04	0.0	2.88e-05
2959	285	-0.24	0.14	-0.08	-9.93e-05	0.0	-3.39e-06
2959	305	-0.44	0.91	-0.07	-1.44e-04	0.0	1.13e-05
2959	307	-0.30	1.07	-0.06	-1.43e-04	0.0	1.31e-05
2959	308	-0.22	0.49	-0.07	-9.71e-05	0.0	3.84e-06
2959	309	-0.22	0.58	-0.07	-9.65e-05	0.0	5.65e-06
2959	310	-0.31	0.90	-0.07	-1.44e-04	0.0	9.45e-06
2960	15	0.21	0.83	-0.11	-1.33e-04	0.0	1.56e-06
2960	44	-1.48	1.67	-0.08	-2.42e-04	0.0	3.12e-05
2960	68	-0.43	2.90	-0.08	-1.71e-04	0.0	4.80e-05
2960	114	9.99	0.43	-0.16	-1.47e-04	0.0	2.09e-04
2960	116	-13.15	-5.94	3.94e-03	1.76e-05	0.0	-3.97e-04
2960	137	5.53	14.86	-0.08	-4.91e-04	0.0	2.47e-04
2960	146	11.25	0.35	-0.17	-1.48e-04	0.0	2.33e-04
2960	148	-14.74	-6.85	0.01	3.91e-05	0.0	-4.48e-04
2960	169	6.27	16.69	-0.09	-5.36e-04	0.0	2.76e-04
2960	178	11.02	0.29	-0.17	-1.47e-04	0.0	2.25e-04
2960	180	-14.61	-7.12	0.01	4.54e-05	0.0	-4.46e-04
2960	201	6.27	17.12	-0.09	-5.47e-04	0.0	2.75e-04
2960	210	12.87	0.11	-0.18	-1.47e-04	0.0	2.57e-04

2960	212	-17.07	-8.74	0.03	8.37e-05	0.0	-5.28e-04
2960	233	7.43	20.19	-0.09	-6.23e-04	0.0	3.21e-04
2960	248	0.12	0.60	-0.08	-9.63e-05	0.0	1.66e-06
2960	264	-1.00	1.16	-0.06	-1.69e-04	0.0	2.14e-05
2960	276	-0.30	1.98	-0.06	-1.22e-04	0.0	3.26e-05
2960	302	-0.15	0.62	-0.08	-9.68e-05	0.0	5.37e-06
2960	305	-0.43	0.98	-0.07	-1.45e-04	0.0	1.27e-05
2960	307	-0.29	1.15	-0.07	-1.35e-04	0.0	1.49e-05
2960	309	-0.21	0.63	-0.08	-9.69e-05	0.0	6.30e-06
2960	310	-0.30	0.97	-0.07	-1.45e-04	0.0	1.08e-05
2961	44	-1.48	1.66	-0.07	-2.40e-04	0.0	3.11e-05
2961	68	-0.43	2.89	-0.07	-2.18e-04	0.0	2.36e-05
2961	89	-0.32	0.22	-0.10	-1.43e-04	0.0	5.33e-06
2961	116	-13.15	-5.90	-0.06	3.15e-05	0.0	-3.97e-04
2961	137	5.53	14.81	-0.05	-5.09e-04	0.0	2.46e-04
2961	138	0.81	-10.97	-0.09	1.70e-04	0.0	-4.21e-05
2961	148	-14.74	-6.81	-0.06	5.48e-05	0.0	-4.49e-04
2961	169	6.27	16.64	-0.05	-5.57e-04	0.0	2.75e-04
2961	170	0.93	-12.55	-0.09	2.11e-04	0.0	-4.93e-05
2961	180	-14.61	-7.06	-0.06	6.18e-05	0.0	-4.47e-04
2961	201	6.27	17.06	-0.05	-5.68e-04	0.0	2.74e-04
2961	202	0.82	-12.91	-0.09	2.20e-04	0.0	-5.05e-05
2961	212	-17.07	-8.68	-0.05	1.03e-04	0.0	-5.29e-04
2961	233	7.43	20.12	-0.05	-6.48e-04	0.0	3.20e-04
2961	234	0.95	-15.55	-0.09	2.88e-04	0.0	-6.25e-05
2961	264	-1.00	1.16	-0.06	-1.68e-04	0.0	2.13e-05
2961	276	-0.30	1.98	-0.06	-1.53e-04	0.0	1.63e-05
2961	285	-0.23	0.19	-0.08	-1.03e-04	0.0	4.17e-06
2961	305	-0.43	0.98	-0.07	-1.44e-04	0.0	1.26e-05
2961	307	-0.29	1.14	-0.07	-1.41e-04	0.0	1.16e-05
2961	308	-0.22	0.54	-0.07	-9.78e-05	0.0	5.87e-06
2961	309	-0.21	0.63	-0.07	-9.64e-05	0.0	6.29e-06
2961	310	-0.30	0.97	-0.07	-1.44e-04	0.0	1.08e-05
2962	44	-1.49	1.53	-0.07	-2.40e-04	0.0	2.87e-05
2962	68	-0.44	2.78	-0.06	-2.36e-04	0.0	4.35e-05
2962	89	-0.33	0.14	-0.09	-1.34e-04	0.0	-6.63e-06
2962	116	-13.05	-5.87	-0.13	5.32e-05	0.0	-4.03e-04
2962	137	5.48	14.56	-0.01	-5.49e-04	0.0	2.34e-04
2962	148	-14.64	-6.76	-0.14	7.93e-05	0.0	-4.54e-04
2962	169	6.22	16.36	-3.92e-03	-6.02e-04	0.0	2.62e-04
2962	180	-14.51	-7.01	-0.14	8.74e-05	0.0	-4.52e-04
2962	201	6.22	16.77	-2.99e-03	-6.15e-04	0.0	2.59e-04
2962	212	-16.95	-8.60	-0.16	1.34e-04	0.0	-5.35e-04
2962	233	7.37	19.80	7.89e-03	-7.04e-04	0.0	3.02e-04
2962	264	-1.01	1.07	-0.06	-1.67e-04	0.0	1.97e-05
2962	276	-0.31	1.90	-0.05	-1.65e-04	0.0	2.96e-05
2962	285	-0.24	0.14	-0.07	-9.72e-05	0.0	-3.86e-06
2962	305	-0.44	0.90	-0.06	-1.44e-04	0.0	1.12e-05
2962	307	-0.30	1.07	-0.06	-1.43e-04	0.0	1.32e-05
2962	308	-0.22	0.49	-0.07	-9.66e-05	0.0	3.71e-06
2962	309	-0.22	0.58	-0.07	-9.64e-05	0.0	5.60e-06
2962	310	-0.31	0.89	-0.06	-1.43e-04	0.0	9.39e-06
2963	44	-1.48	1.65	-0.07	-2.39e-04	0.0	3.20e-05
2963	68	-0.43	2.89	-0.06	-2.00e-04	0.0	2.31e-06
2963	89	-0.32	0.21	-0.09	-1.52e-04	0.0	1.69e-05
2963	116	-13.15	-5.86	-0.13	1.72e-05	0.0	-4.00e-04
2963	137	5.53	14.77	-0.01	-4.68e-04	0.0	2.51e-04
2963	148	-14.74	-6.76	-0.13	3.85e-05	0.0	-4.52e-04
2963	169	6.27	16.59	-7.12e-03	-5.11e-04	0.0	2.81e-04
2963	180	-14.61	-7.02	-0.13	4.47e-05	0.0	-4.50e-04
2963	201	6.27	17.01	-6.23e-03	-5.20e-04	0.0	2.79e-04
2963	212	-17.07	-8.61	-0.15	8.26e-05	0.0	-5.33e-04
2963	233	7.43	20.06	3.83e-03	-5.92e-04	0.0	3.27e-04
2963	264	-1.01	1.15	-0.05	-1.67e-04	0.0	2.20e-05
2963	276	-0.30	1.97	-0.05	-1.41e-04	0.0	2.19e-06
2963	285	-0.23	0.19	-0.07	-1.09e-04	0.0	1.19e-05
2963	305	-0.43	0.98	-0.06	-1.43e-04	0.0	1.32e-05
2963	307	-0.29	1.14	-0.06	-1.38e-04	0.0	9.28e-06
2963	308	-0.22	0.54	-0.07	-9.87e-05	0.0	7.71e-06
2963	309	-0.21	0.63	-0.07	-9.62e-05	0.0	6.66e-06
2963	310	-0.30	0.97	-0.06	-1.43e-04	0.0	1.14e-05
2964	28	-0.84	0.99	0.43	-2.66e-04	0.0	2.40e-05
2964	44	-1.14	0.86	0.39	-2.32e-04	0.0	2.71e-05
2964	68	-0.25	2.59	0.33	-1.22e-03	0.0	5.14e-05
2964	116	-11.08	-5.07	0.87	3.69e-04	0.0	-3.29e-04

2964	137	4.69	11.87	-0.13	-1.18e-03	0.0	2.41e-04
2964	148	-12.44	-5.80	0.96	4.36e-04	0.0	-3.72e-04
2964	169	5.30	13.37	-0.17	-1.32e-03	0.0	2.71e-04
2964	180	-12.32	-5.96	0.95	4.51e-04	0.0	-3.72e-04
2964	201	5.30	13.70	-0.17	-1.34e-03	0.0	2.71e-04
2964	212	-14.40	-7.24	1.08	5.68e-04	0.0	-4.41e-04
2964	233	6.26	16.20	-0.24	-1.57e-03	0.0	3.19e-04
2964	256	-0.57	0.68	0.29	-1.85e-04	0.0	1.65e-05
2964	264	-0.77	0.60	0.27	-1.62e-04	0.0	1.85e-05
2964	276	-0.18	1.75	0.23	-8.21e-04	0.0	3.47e-05
2964	298	-0.19	0.54	0.20	-1.47e-04	0.0	8.80e-06
2964	305	-0.30	0.51	0.20	-1.40e-04	0.0	1.01e-05
2964	307	-0.18	0.74	0.19	-2.71e-04	0.0	1.33e-05
2964	310	-0.18	0.51	0.19	-1.39e-04	0.0	8.26e-06
2965	4	-0.44	1.84	-0.46	-2.72e-04	4.67e-05	1.89e-05
2965	44	-1.84	1.69	-0.41	-2.39e-04	3.09e-05	3.31e-05
2965	68	-0.66	2.91	-0.41	-3.08e-04	4.37e-05	2.03e-05
2965	118	9.07	0.30	-0.27	-1.11e-04	3.88e-05	2.75e-04
2965	123	-10.85	4.37	-0.25	-2.69e-04	3.77e-06	9.94e-05
2965	137	1.19	14.95	-0.26	-7.02e-04	6.60e-05	2.51e-04
2965	150	10.24	0.21	-0.27	-1.07e-04	4.07e-05	3.07e-04
2965	155	-12.15	4.83	-0.25	-2.86e-04	1.47e-06	1.11e-04
2965	169	1.39	16.79	-0.26	-7.76e-04	7.16e-05	2.81e-04
2965	182	10.07	0.19	-0.27	-1.07e-04	4.03e-05	3.02e-04
2965	187	-11.96	4.99	-0.25	-2.91e-04	2.43e-06	1.16e-04
2965	201	1.35	17.23	-0.26	-7.92e-04	7.28e-05	2.79e-04
2965	214	11.81	0.07	-0.27	-1.01e-04	4.32e-05	3.51e-04
2965	219	-13.84	5.82	-0.24	-3.22e-04	0.0	1.38e-04
2965	233	1.64	20.32	-0.26	-9.15e-04	8.21e-05	3.27e-04
2965	244	-0.31	1.28	-0.32	-1.89e-04	3.22e-05	1.33e-05
2965	264	-1.25	1.18	-0.29	-1.67e-04	2.16e-05	2.28e-05
2965	276	-0.47	1.99	-0.29	-2.13e-04	3.02e-05	1.43e-05
2965	298	-0.45	1.04	-0.27	-1.51e-04	2.45e-05	1.29e-05
2965	305	-0.58	0.99	-0.26	-1.43e-04	2.21e-05	1.39e-05
2965	307	-0.42	1.15	-0.26	-1.53e-04	2.38e-05	1.22e-05
2965	310	-0.42	0.98	-0.26	-1.43e-04	2.30e-05	1.21e-05
2966	44	-1.77	1.55	-0.37	-2.44e-04	0.0	3.21e-05
2966	68	-0.61	2.74	-0.37	-3.17e-04	0.0	1.90e-05
2966	76	-0.73	1.34	-0.42	-2.56e-04	0.0	2.19e-05
2966	123	-10.61	4.18	-0.23	-2.77e-04	0.0	9.83e-05
2966	137	1.19	14.53	-0.22	-7.41e-04	0.0	2.44e-04
2966	140	-1.97	-12.73	-0.25	4.49e-04	0.0	-2.21e-04
2966	155	-11.87	4.62	-0.23	-2.95e-04	0.0	1.10e-04
2966	169	1.38	16.32	-0.22	-8.19e-04	0.0	2.73e-04
2966	172	-2.16	-14.52	-0.26	5.27e-04	0.0	-2.50e-04
2966	187	-11.69	4.77	-0.23	-3.01e-04	0.0	1.15e-04
2966	201	1.34	16.74	-0.22	-8.36e-04	0.0	2.71e-04
2966	204	-2.12	-14.94	-0.26	5.44e-04	0.0	-2.48e-04
2966	219	-13.53	5.58	-0.23	-3.33e-04	0.0	1.37e-04
2966	233	1.62	19.76	-0.22	-9.68e-04	0.0	3.17e-04
2966	236	-2.41	-17.96	-0.26	6.76e-04	0.0	-2.94e-04
2966	264	-1.20	1.08	-0.27	-1.70e-04	0.0	2.20e-05
2966	276	-0.43	1.87	-0.26	-2.19e-04	0.0	1.33e-05
2966	280	-0.51	0.94	-0.30	-1.78e-04	0.0	1.53e-05
2966	298	-0.41	0.95	-0.25	-1.54e-04	0.0	1.24e-05
2966	305	-0.54	0.91	-0.24	-1.46e-04	0.0	1.34e-05
2966	307	-0.39	1.07	-0.24	-1.56e-04	0.0	1.16e-05
2966	310	-0.39	0.90	-0.24	-1.46e-04	0.0	1.16e-05
2967	28	-0.90	1.13	0.44	-2.66e-04	0.0	2.42e-05
2967	44	-1.21	0.99	0.40	-2.32e-04	0.0	2.73e-05
2967	68	-0.29	3.23	0.34	-8.95e-04	0.0	5.56e-05
2967	116	-11.58	-5.26	0.86	3.22e-04	0.0	-3.51e-04
2967	137	4.90	12.49	-0.12	-1.09e-03	0.0	2.66e-04
2967	148	-12.99	-6.02	0.94	3.83e-04	0.0	-3.97e-04
2967	169	5.55	14.05	-0.16	-1.21e-03	0.0	2.99e-04
2967	180	-12.87	-6.20	0.94	3.98e-04	0.0	-3.97e-04
2967	201	5.55	14.41	-0.16	-1.24e-03	0.0	3.00e-04
2967	212	-15.05	-7.53	1.06	5.04e-04	0.0	-4.71e-04
2967	233	6.56	17.03	-0.23	-1.45e-03	0.0	3.53e-04
2967	256	-0.61	0.78	0.30	-1.85e-04	0.0	1.66e-05
2967	264	-0.82	0.69	0.27	-1.62e-04	0.0	1.87e-05
2967	276	-0.20	2.18	0.23	-6.04e-04	0.0	3.75e-05
2967	298	-0.22	0.62	0.21	-1.47e-04	0.0	8.76e-06
2967	305	-0.32	0.59	0.20	-1.39e-04	0.0	1.01e-05
2967	307	-0.20	0.89	0.19	-2.28e-04	0.0	1.39e-05

2967	310	-0.20	0.58	0.19	-1.39e-04	0.0	8.20e-06
2968	44	-1.77	1.65	-0.43	-2.28e-04	0.0	6.34e-05
2968	52	-0.71	2.55	-0.51	-3.02e-04	0.0	6.30e-05
2968	68	-0.61	2.81	-0.46	-2.95e-04	0.0	5.88e-05
2968	121	8.91	5.27	-0.41	-3.30e-04	0.0	1.60e-04
2968	123	-10.60	4.46	-0.19	-2.72e-04	0.0	1.22e-04
2968	129	0.78	15.03	-0.38	-7.28e-04	0.0	4.95e-04
2968	153	10.06	5.85	-0.43	-3.55e-04	0.0	1.77e-04
2968	155	-11.87	4.93	-0.18	-2.90e-04	0.0	1.35e-04
2968	161	0.92	16.91	-0.39	-8.07e-04	0.0	5.55e-04
2968	185	9.89	6.03	-0.43	-3.62e-04	0.0	1.78e-04
2968	187	-11.69	5.10	-0.19	-2.97e-04	0.0	1.40e-04
2968	193	0.89	17.52	-0.40	-8.31e-04	0.0	5.66e-04
2968	217	11.56	7.06	-0.45	-4.07e-04	0.0	2.07e-04
2968	219	-13.52	5.96	-0.17	-3.31e-04	0.0	1.63e-04
2968	225	1.10	20.93	-0.42	-9.73e-04	0.0	6.71e-04
2968	264	-1.20	1.15	-0.30	-1.59e-04	0.0	4.40e-05
2968	268	-0.50	1.75	-0.36	-2.08e-04	0.0	4.37e-05
2968	276	-0.43	1.92	-0.33	-2.04e-04	0.0	4.09e-05
2968	298	-0.41	1.00	-0.29	-1.44e-04	0.0	3.18e-05
2968	305	-0.55	0.96	-0.28	-1.37e-04	0.0	3.19e-05
2968	307	-0.39	1.11	-0.28	-1.46e-04	0.0	3.13e-05
2968	310	-0.39	0.94	-0.28	-1.37e-04	0.0	3.01e-05
2969	28	-0.98	1.27	0.44	-2.66e-04	0.0	2.39e-05
2969	44	-1.29	1.11	0.40	-2.32e-04	0.0	2.71e-05
2969	68	-0.33	3.62	0.34	-4.64e-04	0.0	5.23e-05
2969	116	-12.04	-5.41	0.83	2.63e-04	0.0	-3.69e-04
2969	137	5.10	13.05	-0.11	-9.72e-04	0.0	2.92e-04
2969	148	-13.51	-6.21	0.91	3.16e-04	0.0	-4.17e-04
2969	169	5.77	14.67	-0.15	-1.08e-03	0.0	3.28e-04
2969	180	-13.39	-6.39	0.91	3.30e-04	0.0	-4.18e-04
2969	201	5.77	15.04	-0.15	-1.10e-03	0.0	3.30e-04
2969	212	-15.65	-7.78	1.03	4.23e-04	0.0	-4.96e-04
2969	233	6.83	17.77	-0.21	-1.29e-03	0.0	3.89e-04
2969	256	-0.66	0.88	0.30	-1.85e-04	0.0	1.64e-05
2969	264	-0.87	0.77	0.27	-1.62e-04	0.0	1.85e-05
2969	276	-0.23	2.45	0.23	-3.17e-04	0.0	3.53e-05
2969	298	-0.24	0.70	0.21	-1.47e-04	0.0	8.54e-06
2969	305	-0.36	0.66	0.20	-1.39e-04	0.0	9.90e-06
2969	307	-0.23	1.00	0.19	-1.70e-04	0.0	1.33e-05
2969	310	-0.23	0.66	0.19	-1.39e-04	0.0	7.98e-06
2970	44	-1.84	1.76	-0.44	-2.24e-04	0.0	4.20e-05
2970	52	-0.78	2.70	-0.52	-2.97e-04	0.0	3.55e-05
2970	68	-0.66	2.95	-0.47	-2.90e-04	0.0	3.17e-05
2970	121	9.06	5.41	-0.42	-3.18e-04	0.0	1.39e-04
2970	123	-10.84	4.60	-0.20	-2.61e-04	0.0	1.03e-04
2970	129	0.77	15.36	-0.39	-6.95e-04	0.0	4.55e-04
2970	153	10.24	6.00	-0.43	-3.43e-04	0.0	1.54e-04
2970	155	-12.14	5.08	-0.19	-2.78e-04	0.0	1.14e-04
2970	161	0.92	17.27	-0.40	-7.69e-04	0.0	5.12e-04
2970	185	10.07	6.18	-0.43	-3.49e-04	0.0	1.55e-04
2970	187	-11.95	5.25	-0.19	-2.85e-04	0.0	1.19e-04
2970	193	0.89	17.90	-0.40	-7.92e-04	0.0	5.20e-04
2970	217	11.77	7.23	-0.46	-3.92e-04	0.0	1.82e-04
2970	219	-13.82	6.13	-0.18	-3.17e-04	0.0	1.41e-04
2970	225	1.10	21.36	-0.43	-9.26e-04	0.0	6.19e-04
2970	264	-1.25	1.23	-0.31	-1.57e-04	0.0	2.90e-05
2970	268	-0.54	1.85	-0.37	-2.05e-04	0.0	2.46e-05
2970	276	-0.47	2.02	-0.34	-2.01e-04	0.0	2.21e-05
2970	298	-0.45	1.07	-0.30	-1.42e-04	0.0	1.87e-05
2970	305	-0.58	1.02	-0.28	-1.35e-04	0.0	1.94e-05
2970	307	-0.42	1.18	-0.29	-1.44e-04	0.0	1.80e-05
2970	310	-0.43	1.01	-0.29	-1.35e-04	0.0	1.76e-05
2971	44	-1.84	1.67	-0.39	-2.39e-04	3.24e-05	3.45e-05
2971	68	-0.66	2.90	-0.38	-3.08e-04	4.67e-05	2.19e-05
2971	76	-0.79	1.46	-0.43	-2.51e-04	4.56e-05	2.44e-05
2971	123	-10.85	4.32	-0.24	-2.69e-04	1.64e-06	1.01e-04
2971	137	1.19	14.87	-0.23	-7.02e-04	7.75e-05	2.56e-04
2971	140	-2.04	-12.92	-0.26	4.16e-04	-2.84e-05	-2.30e-04
2971	155	-12.15	4.76	-0.24	-2.86e-04	-1.09e-06	1.13e-04
2971	169	1.39	16.69	-0.23	-7.76e-04	8.44e-05	2.87e-04
2971	172	-2.24	-14.75	-0.26	4.89e-04	-3.53e-05	-2.61e-04
2971	187	-11.96	4.92	-0.24	-2.91e-04	0.0	1.18e-04
2971	201	1.35	17.12	-0.22	-7.92e-04	8.58e-05	2.85e-04
2971	204	-2.20	-15.18	-0.26	5.06e-04	-3.67e-05	-2.59e-04

2971	219	-13.84	5.74	-0.24	-3.22e-04	-3.27e-06	1.40e-04
2971	233	1.64	20.20	-0.22	-9.15e-04	9.74e-05	3.34e-04
2971	236	-2.49	-18.25	-0.27	6.29e-04	-4.83e-05	-3.08e-04
2971	264	-1.25	1.17	-0.27	-1.67e-04	2.27e-05	2.37e-05
2971	276	-0.47	1.98	-0.27	-2.13e-04	3.22e-05	1.53e-05
2971	280	-0.55	1.03	-0.30	-1.75e-04	3.14e-05	1.70e-05
2971	298	-0.45	1.03	-0.25	-1.51e-04	2.62e-05	1.39e-05
2971	305	-0.58	0.98	-0.24	-1.43e-04	2.35e-05	1.48e-05
2971	307	-0.42	1.15	-0.24	-1.53e-04	2.54e-05	1.31e-05
2971	310	-0.42	0.97	-0.24	-1.43e-04	2.46e-05	1.30e-05
2972	28	-1.41	1.74	-0.39	-2.76e-04	0.0	3.12e-05
2972	44	-1.77	1.53	-0.35	-2.42e-04	0.0	3.29e-05
2972	68	-0.61	2.73	-0.34	-3.14e-04	0.0	1.97e-05
2972	123	-10.61	4.12	-0.22	-2.75e-04	0.0	1.00e-04
2972	137	1.19	14.45	-0.18	-7.28e-04	0.0	2.50e-04
2972	144	-2.21	-11.84	-0.26	4.06e-04	0.0	-1.39e-04
2972	155	-11.88	4.55	-0.23	-2.92e-04	0.0	1.12e-04
2972	169	1.38	16.23	-0.18	-8.05e-04	0.0	2.80e-04
2972	176	-2.43	-13.52	-0.26	4.79e-04	0.0	-1.59e-04
2972	187	-11.69	4.71	-0.22	-2.99e-04	0.0	1.17e-04
2972	201	1.34	16.65	-0.18	-8.22e-04	0.0	2.79e-04
2972	208	-2.39	-13.91	-0.26	4.94e-04	0.0	-1.58e-04
2972	219	-13.53	5.50	-0.22	-3.31e-04	0.0	1.39e-04
2972	233	1.62	19.64	-0.17	-9.51e-04	0.0	3.26e-04
2972	240	-2.71	-16.72	-0.27	6.15e-04	0.0	-1.89e-04
2972	256	-0.96	1.21	-0.27	-1.92e-04	0.0	2.15e-05
2972	264	-1.20	1.07	-0.25	-1.69e-04	0.0	2.27e-05
2972	276	-0.43	1.86	-0.24	-2.17e-04	0.0	1.38e-05
2972	298	-0.41	0.95	-0.23	-1.52e-04	0.0	1.29e-05
2972	305	-0.54	0.90	-0.22	-1.45e-04	0.0	1.39e-05
2972	307	-0.39	1.06	-0.22	-1.54e-04	0.0	1.21e-05
2972	310	-0.39	0.89	-0.22	-1.45e-04	0.0	1.21e-05
2973	28	-1.48	1.88	-0.40	-2.74e-04	4.04e-05	3.33e-05
2973	44	-1.84	1.65	-0.36	-2.39e-04	2.84e-05	3.47e-05
2973	68	-0.66	2.89	-0.35	-3.08e-04	4.53e-05	2.25e-05
2973	123	-10.86	4.26	-0.23	-2.69e-04	-7.65e-06	1.02e-04
2973	137	1.19	14.78	-0.19	-7.02e-04	9.50e-05	2.60e-04
2973	144	-2.28	-12.01	-0.26	3.85e-04	-4.93e-05	-1.45e-04
2973	155	-12.15	4.70	-0.23	-2.86e-04	-1.14e-05	1.14e-04
2973	169	1.39	16.60	-0.18	-7.76e-04	1.04e-04	2.91e-04
2973	176	-2.51	-13.72	-0.27	4.54e-04	-5.88e-05	-1.65e-04
2973	187	-11.97	4.86	-0.23	-2.91e-04	-9.80e-06	1.19e-04
2973	201	1.35	17.02	-0.18	-7.92e-04	1.06e-04	2.90e-04
2973	208	-2.47	-14.12	-0.27	4.69e-04	-6.04e-05	-1.65e-04
2973	219	-13.84	5.66	-0.23	-3.22e-04	-1.44e-05	1.41e-04
2973	233	1.64	20.08	-0.17	-9.15e-04	1.22e-04	3.39e-04
2973	240	-2.79	-16.98	-0.28	5.85e-04	-7.60e-05	-1.97e-04
2973	256	-1.01	1.30	-0.28	-1.90e-04	2.77e-05	2.30e-05
2973	264	-1.25	1.15	-0.26	-1.67e-04	1.98e-05	2.39e-05
2973	276	-0.47	1.97	-0.25	-2.13e-04	3.10e-05	1.57e-05
2973	298	-0.45	1.02	-0.23	-1.51e-04	2.55e-05	1.41e-05
2973	305	-0.58	0.98	-0.23	-1.43e-04	2.24e-05	1.50e-05
2973	307	-0.42	1.14	-0.22	-1.53e-04	2.47e-05	1.34e-05
2973	310	-0.42	0.97	-0.23	-1.43e-04	2.36e-05	1.32e-05
2974	28	-1.41	1.73	-0.35	-2.74e-04	0.0	3.19e-05
2974	44	-1.77	1.51	-0.32	-2.39e-04	0.0	3.36e-05
2974	68	-0.61	2.72	-0.30	-3.10e-04	0.0	1.97e-05
2974	123	-10.61	4.06	-0.21	-2.75e-04	0.0	1.02e-04
2974	137	1.19	14.37	-0.12	-7.18e-04	0.0	2.56e-04
2974	144	-2.21	-11.78	-0.27	3.99e-04	0.0	-1.45e-04
2974	155	-11.88	4.49	-0.22	-2.92e-04	0.0	1.14e-04
2974	169	1.38	16.14	-0.11	-7.93e-04	0.0	2.87e-04
2974	176	-2.44	-13.44	-0.28	4.70e-04	0.0	-1.65e-04
2974	187	-11.70	4.64	-0.22	-2.98e-04	0.0	1.19e-04
2974	201	1.34	16.55	-0.11	-8.10e-04	0.0	2.86e-04
2974	208	-2.40	-13.83	-0.29	4.85e-04	0.0	-1.65e-04
2974	219	-13.53	5.42	-0.22	-3.30e-04	0.0	1.42e-04
2974	233	1.62	19.53	-0.10	-9.37e-04	0.0	3.35e-04
2974	240	-2.71	-16.63	-0.30	6.04e-04	0.0	-1.97e-04
2974	256	-0.96	1.20	-0.25	-1.90e-04	0.0	2.20e-05
2974	264	-1.20	1.05	-0.23	-1.67e-04	0.0	2.31e-05
2974	276	-0.43	1.86	-0.21	-2.15e-04	0.0	1.38e-05
2974	298	-0.41	0.94	-0.21	-1.51e-04	0.0	1.33e-05
2974	305	-0.54	0.89	-0.20	-1.43e-04	0.0	1.43e-05
2974	307	-0.39	1.06	-0.20	-1.53e-04	0.0	1.24e-05

2974	310	-0.39	0.89	-0.20	-1.43e-04	0.0	1.25e-05
2975	28	-1.41	1.71	-0.30	-2.72e-04	0.0	3.03e-05
2975	44	-1.77	1.50	-0.28	-2.37e-04	0.0	3.22e-05
2975	68	-0.61	2.71	-0.25	-3.06e-04	0.0	1.68e-05
2975	123	-10.61	4.01	-0.21	-2.75e-04	0.0	1.02e-04
2975	137	1.19	14.28	-0.04	-7.12e-04	0.0	2.58e-04
2975	144	-2.21	-11.71	-0.31	3.95e-04	0.0	-1.49e-04
2975	155	-11.88	4.42	-0.22	-2.93e-04	0.0	1.14e-04
2975	169	1.38	16.05	-0.02	-7.87e-04	0.0	2.89e-04
2975	176	-2.44	-13.36	-0.33	4.66e-04	0.0	-1.70e-04
2975	187	-11.70	4.57	-0.21	-2.98e-04	0.0	1.19e-04
2975	201	1.34	16.45	-0.02	-8.03e-04	0.0	2.89e-04
2975	208	-2.40	-13.75	-0.33	4.81e-04	0.0	-1.70e-04
2975	219	-13.54	5.34	-0.22	-3.31e-04	0.0	1.42e-04
2975	233	1.63	19.41	0.01	-9.29e-04	0.0	3.38e-04
2975	240	-2.71	-16.53	-0.36	5.99e-04	0.0	-2.02e-04
2975	256	-0.96	1.18	-0.22	-1.89e-04	0.0	2.09e-05
2975	264	-1.20	1.04	-0.20	-1.66e-04	0.0	2.21e-05
2975	276	-0.43	1.85	-0.18	-2.12e-04	0.0	1.18e-05
2975	298	-0.41	0.93	-0.18	-1.50e-04	0.0	1.24e-05
2975	305	-0.54	0.89	-0.18	-1.42e-04	0.0	1.35e-05
2975	307	-0.39	1.05	-0.17	-1.51e-04	0.0	1.14e-05
2975	310	-0.39	0.88	-0.17	-1.42e-04	0.0	1.16e-05
2976	28	-1.48	1.84	-0.31	-2.74e-04	-1.66e-05	3.43e-05
2976	44	-1.84	1.62	-0.29	-2.39e-04	-3.08e-05	3.57e-05
2976	68	-0.66	2.86	-0.25	-3.08e-04	-5.88e-06	2.36e-05
2976	123	-10.86	4.14	-0.21	-2.69e-04	-7.35e-05	1.04e-04
2976	137	1.19	14.61	-0.04	-7.02e-04	1.26e-04	2.65e-04
2976	144	-2.28	-11.88	-0.31	3.85e-04	-1.38e-04	-1.49e-04
2976	155	-12.15	4.57	-0.22	-2.86e-04	-8.18e-05	1.16e-04
2976	169	1.39	16.41	-0.02	-7.76e-04	1.43e-04	2.96e-04
2976	176	-2.51	-13.56	-0.33	4.54e-04	-1.55e-04	-1.70e-04
2976	187	-11.97	4.72	-0.22	-2.91e-04	-7.88e-05	1.21e-04
2976	201	1.35	16.82	-0.02	-7.92e-04	1.46e-04	2.96e-04
2976	208	-2.47	-13.96	-0.34	4.69e-04	-1.58e-04	-1.70e-04
2976	219	-13.84	5.50	-0.22	-3.22e-04	-8.93e-05	1.44e-04
2976	233	1.64	19.83	8.91e-03	-9.15e-04	1.74e-04	3.46e-04
2976	240	-2.80	-16.79	-0.36	5.85e-04	-1.87e-04	-2.03e-04
2976	256	-1.01	1.28	-0.22	-1.90e-04	-1.28e-05	2.37e-05
2976	264	-1.25	1.13	-0.21	-1.67e-04	-2.23e-05	2.46e-05
2976	276	-0.47	1.96	-0.18	-2.13e-04	-5.71e-06	1.65e-05
2976	298	-0.45	1.01	-0.18	-1.51e-04	-2.62e-06	1.46e-05
2976	305	-0.58	0.96	-0.18	-1.43e-04	-6.41e-06	1.55e-05
2976	307	-0.42	1.12	-0.17	-1.53e-04	-3.08e-06	1.39e-05
2976	310	-0.42	0.95	-0.18	-1.43e-04	-4.53e-06	1.37e-05
2977	28	-1.48	1.86	-0.35	-2.74e-04	2.49e-05	3.38e-05
2977	44	-1.84	1.63	-0.32	-2.39e-04	1.15e-05	3.52e-05
2977	68	-0.66	2.87	-0.30	-3.08e-04	3.21e-05	2.31e-05
2977	123	-10.86	4.20	-0.22	-2.69e-04	-2.99e-05	1.03e-04
2977	137	1.19	14.69	-0.13	-7.02e-04	1.14e-04	2.63e-04
2977	144	-2.28	-11.95	-0.28	3.85e-04	-8.41e-05	-1.48e-04
2977	155	-12.15	4.63	-0.22	-2.86e-04	-3.55e-05	1.15e-04
2977	169	1.39	16.50	-0.12	-7.76e-04	1.27e-04	2.95e-04
2977	176	-2.51	-13.64	-0.29	4.54e-04	-9.72e-05	-1.69e-04
2977	187	-11.97	4.79	-0.22	-2.91e-04	-3.32e-05	1.20e-04
2977	201	1.35	16.92	-0.12	-7.92e-04	1.30e-04	2.94e-04
2977	208	-2.47	-14.04	-0.29	4.69e-04	-9.94e-05	-1.69e-04
2977	219	-13.84	5.58	-0.22	-3.22e-04	-4.01e-05	1.43e-04
2977	233	1.64	19.95	-0.10	-9.15e-04	1.51e-04	3.44e-04
2977	240	-2.79	-16.89	-0.31	5.85e-04	-1.21e-04	-2.02e-04
2977	256	-1.01	1.29	-0.25	-1.90e-04	1.67e-05	2.33e-05
2977	264	-1.25	1.14	-0.23	-1.67e-04	7.76e-06	2.42e-05
2977	276	-0.47	1.96	-0.22	-2.13e-04	2.15e-05	1.62e-05
2977	298	-0.45	1.02	-0.21	-1.51e-04	1.82e-05	1.44e-05
2977	305	-0.58	0.97	-0.20	-1.43e-04	1.47e-05	1.53e-05
2977	307	-0.42	1.13	-0.20	-1.53e-04	1.75e-05	1.37e-05
2977	310	-0.42	0.96	-0.20	-1.43e-04	1.62e-05	1.35e-05
2978	44	-1.77	1.63	-0.43	-2.41e-04	0.0	4.56e-05
2978	52	-0.71	2.53	-0.50	-3.19e-04	0.0	4.00e-05
2978	68	-0.61	2.79	-0.45	-3.12e-04	0.0	3.64e-05
2978	121	8.91	5.20	-0.35	-3.37e-04	0.0	1.38e-04
2978	123	-10.60	4.40	-0.23	-2.80e-04	0.0	1.04e-04
2978	137	1.18	14.85	-0.33	-7.79e-04	0.0	2.53e-04
2978	153	10.06	5.77	-0.36	-3.62e-04	0.0	1.53e-04
2978	155	-11.87	4.86	-0.22	-2.98e-04	0.0	1.15e-04

2978	169	1.37	16.69	-0.34	-8.62e-04	0.0	2.82e-04
2978	185	9.89	5.94	-0.36	-3.69e-04	0.0	1.55e-04
2978	187	-11.69	5.03	-0.22	-3.05e-04	0.0	1.20e-04
2978	193	0.89	17.28	-0.34	-8.39e-04	0.0	5.14e-04
2978	217	11.56	6.97	-0.37	-4.14e-04	0.0	1.81e-04
2978	219	-13.52	5.88	-0.21	-3.39e-04	0.0	1.41e-04
2978	225	1.10	20.63	-0.36	-9.81e-04	0.0	6.11e-04
2978	264	-1.20	1.13	-0.31	-1.68e-04	0.0	3.15e-05
2978	268	-0.50	1.73	-0.35	-2.20e-04	0.0	2.77e-05
2978	276	-0.43	1.91	-0.32	-2.16e-04	0.0	2.54e-05
2978	298	-0.41	0.98	-0.29	-1.52e-04	0.0	2.06e-05
2978	305	-0.54	0.94	-0.28	-1.45e-04	0.0	2.13e-05
2978	307	-0.39	1.10	-0.28	-1.54e-04	0.0	2.01e-05
2978	310	-0.39	0.93	-0.28	-1.44e-04	0.0	1.95e-05
2979	28	-1.48	1.83	-0.27	-2.74e-04	-1.04e-04	3.45e-05
2979	44	-1.84	1.60	-0.25	-2.39e-04	-1.18e-04	3.59e-05
2979	68	-0.66	2.85	-0.21	-3.08e-04	-8.96e-05	2.35e-05
2979	123	-10.86	4.08	-0.23	-2.69e-04	-1.49e-04	1.05e-04
2979	137	1.19	14.53	0.07	-7.02e-04	1.11e-04	2.66e-04
2979	144	-2.28	-11.81	-0.38	3.85e-04	-2.13e-04	-1.51e-04
2979	155	-12.15	4.50	-0.24	-2.86e-04	-1.61e-04	1.17e-04
2979	169	1.39	16.31	0.10	-7.76e-04	1.31e-04	2.98e-04
2979	176	-2.51	-13.48	-0.41	4.54e-04	-2.35e-04	-1.72e-04
2979	187	-11.97	4.65	-0.23	-2.91e-04	-1.56e-04	1.22e-04
2979	201	1.35	16.72	0.11	-7.92e-04	1.35e-04	2.97e-04
2979	208	-2.47	-13.87	-0.42	4.69e-04	-2.38e-04	-1.72e-04
2979	219	-13.85	5.42	-0.24	-3.22e-04	-1.72e-04	1.46e-04
2979	233	1.64	19.72	0.16	-9.15e-04	1.70e-04	3.47e-04
2979	240	-2.80	-16.69	-0.47	5.85e-04	-2.73e-04	-2.06e-04
2979	256	-1.01	1.27	-0.19	-1.90e-04	-7.52e-05	2.38e-05
2979	264	-1.25	1.11	-0.18	-1.67e-04	-8.47e-05	2.47e-05
2979	276	-0.47	1.95	-0.15	-2.13e-04	-6.54e-05	1.65e-05
2979	298	-0.45	1.00	-0.16	-1.51e-04	-4.75e-05	1.46e-05
2979	305	-0.58	0.95	-0.16	-1.43e-04	-5.14e-05	1.56e-05
2979	307	-0.42	1.12	-0.15	-1.53e-04	-4.76e-05	1.39e-05
2979	310	-0.42	0.94	-0.15	-1.43e-04	-4.92e-05	1.37e-05
2980	28	-1.41	1.69	-0.26	-2.68e-04	0.0	2.16e-05
2980	44	-1.77	1.48	-0.25	-2.34e-04	0.0	2.42e-05
2980	68	-0.61	2.70	-0.20	-3.00e-04	0.0	6.32e-06
2980	123	-10.62	3.95	-0.23	-2.74e-04	0.0	9.49e-05
2980	137	1.19	14.20	0.07	-7.09e-04	0.0	2.47e-04
2980	144	-2.21	-11.64	-0.38	3.96e-04	0.0	-1.46e-04
2980	155	-11.89	4.36	-0.23	-2.91e-04	0.0	1.07e-04
2980	169	1.38	15.96	0.10	-7.84e-04	0.0	2.78e-04
2980	176	-2.44	-13.29	-0.41	4.66e-04	0.0	-1.66e-04
2980	187	-11.71	4.50	-0.23	-2.97e-04	0.0	1.12e-04
2980	201	1.34	16.36	0.11	-8.00e-04	0.0	2.76e-04
2980	208	-2.40	-13.67	-0.41	4.81e-04	0.0	-1.66e-04
2980	219	-13.55	5.26	-0.24	-3.29e-04	0.0	1.34e-04
2980	233	1.63	19.29	0.16	-9.26e-04	0.0	3.24e-04
2980	240	-2.72	-16.43	-0.46	5.99e-04	0.0	-1.97e-04
2980	256	-0.96	1.17	-0.19	-1.86e-04	0.0	1.48e-05
2980	264	-1.20	1.03	-0.18	-1.64e-04	0.0	1.66e-05
2980	276	-0.43	1.84	-0.15	-2.07e-04	0.0	4.63e-06
2980	298	-0.41	0.92	-0.16	-1.48e-04	0.0	7.85e-06
2980	305	-0.54	0.88	-0.15	-1.40e-04	0.0	9.03e-06
2980	307	-0.39	1.04	-0.15	-1.49e-04	0.0	6.65e-06
2980	310	-0.39	0.87	-0.15	-1.40e-04	0.0	7.25e-06
2981	28	-1.41	1.68	-0.25	-2.61e-04	0.0	-4.39e-06
2981	44	-1.77	1.47	-0.25	-2.28e-04	0.0	0.0
2981	68	-0.61	2.70	-0.18	-2.89e-04	0.0	-2.06e-05
2981	123	-10.63	3.89	-0.29	-2.68e-04	0.0	6.83e-05
2981	137	1.19	14.14	0.20	-6.97e-04	0.0	2.34e-04
2981	144	-2.22	-11.58	-0.50	3.90e-04	0.0	-1.58e-04
2981	155	-11.90	4.30	-0.30	-2.85e-04	0.0	7.83e-05
2981	169	1.38	15.89	0.25	-7.71e-04	0.0	2.65e-04
2981	176	-2.44	-13.21	-0.54	4.59e-04	0.0	-1.78e-04
2981	187	-11.72	4.44	-0.30	-2.91e-04	0.0	8.32e-05
2981	201	1.35	16.28	0.26	-7.86e-04	0.0	2.63e-04
2981	208	-2.40	-13.59	-0.55	4.74e-04	0.0	-1.77e-04
2981	219	-13.55	5.19	-0.32	-3.23e-04	0.0	1.03e-04
2981	233	1.63	19.20	0.33	-9.09e-04	0.0	3.10e-04
2981	240	-2.72	-16.34	-0.63	5.90e-04	0.0	-2.08e-04
2981	256	-0.96	1.17	-0.18	-1.82e-04	0.0	-3.34e-06
2981	264	-1.20	1.02	-0.18	-1.60e-04	0.0	0.0

2981	276	-0.43	1.84	-0.13	-2.00e-04	0.0	-1.41e-05
2981	305	-0.54	0.88	-0.15	-1.37e-04	0.0	-4.20e-06
2981	307	-0.39	1.04	-0.14	-1.45e-04	0.0	-6.96e-06
2981	310	-0.39	0.87	-0.14	-1.37e-04	0.0	-5.86e-06
2982	28	-1.48	1.81	-0.25	-2.74e-04	-2.67e-04	3.43e-05
2982	44	-1.84	1.58	-0.25	-2.39e-04	-2.80e-04	3.59e-05
2982	68	-0.66	2.83	-0.18	-3.08e-04	-2.49e-04	2.31e-05
2982	123	-10.86	4.02	-0.28	-2.69e-04	-2.66e-04	1.06e-04
2982	137	1.19	14.45	0.20	-7.02e-04	4.33e-05	2.67e-04
2982	144	-2.28	-11.74	-0.49	3.85e-04	-3.13e-04	-1.55e-04
2982	155	-12.16	4.43	-0.30	-2.86e-04	-2.82e-04	1.18e-04
2982	169	1.39	16.22	0.25	-7.76e-04	6.60e-05	2.99e-04
2982	176	-2.51	-13.40	-0.54	4.54e-04	-3.36e-04	-1.76e-04
2982	187	-11.97	4.58	-0.29	-2.91e-04	-2.77e-04	1.23e-04
2982	201	1.35	16.62	0.26	-7.92e-04	6.97e-05	2.99e-04
2982	208	-2.47	-13.79	-0.55	4.69e-04	-3.39e-04	-1.77e-04
2982	219	-13.85	5.33	-0.31	-3.22e-04	-2.99e-04	1.46e-04
2982	233	1.64	19.60	0.33	-9.15e-04	1.07e-04	3.50e-04
2982	240	-2.80	-16.58	-0.62	5.85e-04	-3.77e-04	-2.11e-04
2982	256	-1.01	1.25	-0.18	-1.90e-04	-1.91e-04	2.36e-05
2982	264	-1.25	1.10	-0.18	-1.67e-04	-1.99e-04	2.47e-05
2982	276	-0.47	1.94	-0.13	-2.13e-04	-1.79e-04	1.62e-05
2982	305	-0.58	0.94	-0.15	-1.43e-04	-1.35e-04	1.54e-05
2982	307	-0.42	1.11	-0.14	-1.53e-04	-1.31e-04	1.37e-05
2982	310	-0.42	0.94	-0.14	-1.43e-04	-1.32e-04	1.35e-05
2983	41	-1.02	0.42	-0.12	-1.31e-04	0.0	2.13e-05
2983	44	-1.12	0.79	-0.07	-2.34e-04	0.0	2.83e-05
2983	68	-0.24	2.58	3.49e-03	-1.25e-03	0.0	-5.04e-05
2983	116	-11.10	-4.91	-0.78	3.36e-04	0.0	-3.29e-04
2983	137	4.72	11.49	0.34	-1.15e-03	0.0	2.45e-04
2983	148	-12.46	-5.61	-0.87	3.98e-04	0.0	-3.71e-04
2983	169	5.34	12.93	0.39	-1.28e-03	0.0	2.75e-04
2983	180	-12.35	-5.73	-0.87	4.09e-04	0.0	-3.71e-04
2983	201	5.33	13.24	0.39	-1.31e-03	0.0	2.76e-04
2983	212	-14.44	-6.92	-1.01	5.16e-04	0.0	-4.41e-04
2983	233	6.30	15.64	0.46	-1.53e-03	0.0	3.24e-04
2983	261	-0.69	0.31	-0.08	-9.49e-05	0.0	1.47e-05
2983	264	-0.76	0.55	-0.06	-1.63e-04	0.0	1.94e-05
2983	276	-0.17	1.74	-4.45e-03	-8.38e-04	0.0	-3.31e-05
2983	304	-0.23	0.31	-0.05	-9.55e-05	0.0	7.28e-06
2983	305	-0.28	0.49	-0.03	-1.41e-04	0.0	1.08e-05
2983	307	-0.17	0.72	-0.02	-2.76e-04	0.0	0.0
2983	309	-0.12	0.31	-0.04	-9.56e-05	0.0	5.43e-06
2983	310	-0.17	0.49	-0.02	-1.41e-04	0.0	8.92e-06
2984	41	-1.08	0.49	-0.11	-1.31e-04	0.0	2.10e-05
2984	44	-1.21	0.91	-0.07	-2.34e-04	0.0	2.78e-05
2984	68	-0.29	3.23	7.94e-03	-9.13e-04	0.0	-5.91e-05
2984	116	-11.58	-5.09	-0.74	2.95e-04	0.0	-3.47e-04
2984	137	4.90	12.09	0.33	-1.06e-03	0.0	2.45e-04
2984	148	-12.99	-5.82	-0.83	3.52e-04	0.0	-3.92e-04
2984	169	5.55	13.60	0.37	-1.18e-03	0.0	2.75e-04
2984	180	-12.87	-5.94	-0.83	3.63e-04	0.0	-3.91e-04
2984	201	5.55	13.92	0.38	-1.20e-03	0.0	2.75e-04
2984	212	-15.05	-7.19	-0.96	4.60e-04	0.0	-4.64e-04
2984	233	6.56	16.45	0.45	-1.41e-03	0.0	3.22e-04
2984	261	-0.73	0.36	-0.08	-9.49e-05	0.0	1.45e-05
2984	264	-0.82	0.64	-0.05	-1.63e-04	0.0	1.90e-05
2984	276	-0.20	2.18	-1.64e-03	-6.16e-04	0.0	-3.89e-05
2984	304	-0.26	0.36	-0.05	-9.55e-05	0.0	6.95e-06
2984	305	-0.32	0.56	-0.03	-1.41e-04	0.0	1.04e-05
2984	307	-0.20	0.87	-0.02	-2.31e-04	0.0	-1.18e-06
2984	309	-0.14	0.36	-0.04	-9.56e-05	0.0	5.07e-06
2984	310	-0.20	0.56	-0.02	-1.41e-04	0.0	8.53e-06
2985	41	-1.15	0.56	-0.11	-1.31e-04	0.0	2.07e-05
2985	44	-1.29	1.04	-0.06	-2.34e-04	0.0	2.72e-05
2985	68	-0.33	3.63	0.01	-4.75e-04	0.0	-6.23e-05
2985	116	-12.04	-5.23	-0.71	2.37e-04	0.0	-3.62e-04
2985	137	5.10	12.63	0.32	-9.35e-04	0.0	2.40e-04
2985	148	-13.51	-5.99	-0.79	2.86e-04	0.0	-4.08e-04
2985	169	5.77	14.20	0.36	-1.04e-03	0.0	2.70e-04
2985	180	-13.39	-6.12	-0.78	2.96e-04	0.0	-4.07e-04
2985	201	5.77	14.54	0.36	-1.06e-03	0.0	2.68e-04
2985	212	-15.65	-7.42	-0.92	3.82e-04	0.0	-4.83e-04
2985	233	6.83	17.17	0.43	-1.23e-03	0.0	3.15e-04
2985	261	-0.78	0.41	-0.08	-9.50e-05	0.0	1.43e-05

2985	264	-0.87	0.72	-0.05	-1.64e-04	0.0	1.86e-05
2985	276	-0.23	2.45	5.53e-05	-3.24e-04	0.0	-4.11e-05
2985	304	-0.28	0.41	-0.05	-9.55e-05	0.0	6.60e-06
2985	305	-0.36	0.64	-0.02	-1.41e-04	0.0	1.00e-05
2985	307	-0.23	0.98	-0.01	-1.73e-04	0.0	-1.93e-06
2985	309	-0.16	0.41	-0.04	-9.57e-05	0.0	4.68e-06
2985	310	-0.23	0.64	-0.02	-1.41e-04	0.0	8.09e-06
2986	28	-1.05	1.41	0.44	-2.66e-04	0.0	2.36e-05
2986	44	-1.37	1.23	0.40	-2.32e-04	0.0	2.69e-05
2986	68	-0.37	3.74	0.35	-3.41e-05	0.0	4.32e-05
2986	116	-12.46	-5.53	0.80	2.01e-04	0.0	-3.86e-04
2986	137	5.26	13.50	-0.09	-8.46e-04	0.0	3.22e-04
2986	148	-13.97	-6.35	0.87	2.45e-04	0.0	-4.36e-04
2986	169	5.96	15.18	-0.13	-9.38e-04	0.0	3.62e-04
2986	180	-13.85	-6.54	0.87	2.57e-04	0.0	-4.38e-04
2986	201	5.96	15.56	-0.13	-9.58e-04	0.0	3.66e-04
2986	212	-16.18	-7.97	0.98	3.37e-04	0.0	-5.20e-04
2986	233	7.06	18.37	-0.19	-1.11e-03	0.0	4.32e-04
2986	256	-0.71	0.97	0.30	-1.85e-04	0.0	1.62e-05
2986	264	-0.93	0.85	0.27	-1.62e-04	0.0	1.84e-05
2986	276	-0.26	2.53	0.24	-3.03e-05	0.0	2.92e-05
2986	298	-0.28	0.77	0.21	-1.47e-04	0.0	8.37e-06
2986	305	-0.39	0.73	0.20	-1.40e-04	0.0	9.76e-06
2986	307	-0.26	1.07	0.19	-1.13e-04	0.0	1.19e-05
2986	310	-0.26	0.73	0.19	-1.40e-04	0.0	7.81e-06
2987	44	-1.84	1.75	-0.44	-2.41e-04	0.0	3.66e-05
2987	52	-0.78	2.69	-0.51	-3.19e-04	0.0	2.84e-05
2987	68	-0.66	2.94	-0.46	-3.12e-04	0.0	2.48e-05
2987	121	9.07	5.35	-0.36	-3.30e-04	0.0	1.34e-04
2987	123	-10.84	4.54	-0.23	-2.73e-04	0.0	9.87e-05
2987	137	1.19	15.21	-0.34	-7.57e-04	0.0	2.48e-04
2987	153	10.24	5.93	-0.37	-3.54e-04	0.0	1.49e-04
2987	155	-12.14	5.01	-0.23	-2.90e-04	0.0	1.10e-04
2987	169	1.38	17.09	-0.35	-8.37e-04	0.0	2.77e-04
2987	185	10.07	6.10	-0.37	-3.60e-04	0.0	1.51e-04
2987	187	-11.95	5.18	-0.23	-2.97e-04	0.0	1.15e-04
2987	193	0.89	17.66	-0.35	-8.08e-04	0.0	5.12e-04
2987	217	11.77	7.14	-0.38	-4.04e-04	0.0	1.77e-04
2987	219	-13.83	6.05	-0.22	-3.29e-04	0.0	1.36e-04
2987	225	1.10	21.07	-0.36	-9.44e-04	0.0	6.10e-04
2987	264	-1.25	1.22	-0.31	-1.68e-04	0.0	2.52e-05
2987	268	-0.54	1.84	-0.36	-2.20e-04	0.0	1.97e-05
2987	276	-0.47	2.01	-0.33	-2.16e-04	0.0	1.74e-05
2987	298	-0.45	1.06	-0.30	-1.52e-04	0.0	1.53e-05
2987	305	-0.58	1.01	-0.28	-1.45e-04	0.0	1.61e-05
2987	307	-0.42	1.17	-0.29	-1.54e-04	0.0	1.46e-05
2987	310	-0.43	1.00	-0.28	-1.44e-04	0.0	1.43e-05
2988	28	-1.16	1.54	0.44	-2.67e-04	0.0	2.36e-05
2988	44	-1.48	1.34	0.39	-2.33e-04	0.0	2.69e-05
2988	68	-0.44	3.62	0.35	3.52e-04	0.0	2.93e-05
2988	116	-12.95	-5.62	0.75	1.31e-04	0.0	-4.04e-04
2988	137	5.43	13.90	-0.07	-7.04e-04	0.0	3.66e-04
2988	148	-14.52	-6.46	0.82	1.67e-04	0.0	-4.56e-04
2988	169	6.16	15.62	-0.11	-7.78e-04	0.0	4.12e-04
2988	180	-14.39	-6.65	0.81	1.78e-04	0.0	-4.59e-04
2988	201	6.17	16.01	-0.11	-7.94e-04	0.0	4.18e-04
2988	212	-16.81	-8.12	0.92	2.41e-04	0.0	-5.46e-04
2988	233	7.31	18.89	-0.16	-9.18e-04	0.0	4.94e-04
2988	256	-0.79	1.07	0.30	-1.85e-04	0.0	1.62e-05
2988	264	-1.01	0.93	0.27	-1.63e-04	0.0	1.84e-05
2988	276	-0.31	2.45	0.24	2.27e-04	0.0	2.00e-05
2988	298	-0.33	0.84	0.20	-1.47e-04	0.0	8.33e-06
2988	305	-0.44	0.80	0.20	-1.40e-04	0.0	9.73e-06
2988	307	-0.30	1.11	0.19	-6.19e-05	0.0	1.01e-05
2988	310	-0.31	0.80	0.19	-1.40e-04	0.0	7.76e-06
2989	4	-0.38	1.72	-0.49	-2.80e-04	0.0	2.30e-05
2989	44	-1.77	1.60	-0.42	-2.46e-04	0.0	3.66e-05
2989	68	-0.61	2.77	-0.44	-3.19e-04	0.0	2.50e-05
2989	121	8.91	5.14	-0.31	-3.36e-04	0.0	1.31e-04
2989	123	-10.60	4.34	-0.24	-2.83e-04	0.0	9.69e-05
2989	137	1.18	14.77	-0.30	-7.77e-04	0.0	2.38e-04
2989	153	10.06	5.70	-0.32	-3.61e-04	0.0	1.46e-04
2989	155	-11.87	4.80	-0.24	-3.01e-04	0.0	1.08e-04
2989	169	1.37	16.59	-0.31	-8.59e-04	0.0	2.66e-04
2989	185	9.90	5.87	-0.32	-3.67e-04	0.0	1.47e-04

2989	187	-11.69	4.96	-0.24	-3.08e-04	0.0	1.13e-04
2989	193	0.89	17.04	-0.31	-8.33e-04	0.0	5.02e-04
2989	217	11.56	6.88	-0.33	-4.12e-04	0.0	1.73e-04
2989	219	-13.52	5.80	-0.24	-3.42e-04	0.0	1.34e-04
2989	225	1.10	20.35	-0.32	-9.74e-04	0.0	5.97e-04
2989	244	-0.28	1.20	-0.34	-1.94e-04	0.0	1.62e-05
2989	264	-1.20	1.12	-0.30	-1.72e-04	0.0	2.52e-05
2989	276	-0.43	1.89	-0.31	-2.20e-04	0.0	1.75e-05
2989	298	-0.41	0.97	-0.28	-1.55e-04	0.0	1.51e-05
2989	305	-0.54	0.93	-0.27	-1.47e-04	0.0	1.60e-05
2989	307	-0.39	1.09	-0.27	-1.57e-04	0.0	1.45e-05
2989	310	-0.39	0.92	-0.27	-1.47e-04	0.0	1.42e-05
2990	4	-0.44	1.86	-0.50	-2.81e-04	0.0	2.01e-05
2990	44	-1.84	1.73	-0.44	-2.47e-04	0.0	3.38e-05
2990	68	-0.66	2.93	-0.45	-3.20e-04	0.0	2.12e-05
2990	121	9.07	5.28	-0.32	-3.29e-04	0.0	1.32e-04
2990	123	-10.85	4.48	-0.25	-2.76e-04	0.0	9.66e-05
2990	137	1.19	15.13	-0.31	-7.53e-04	0.0	2.44e-04
2990	153	10.25	5.85	-0.33	-3.53e-04	0.0	1.47e-04
2990	155	-12.14	4.95	-0.25	-2.93e-04	0.0	1.08e-04
2990	169	1.38	16.99	-0.31	-8.33e-04	0.0	2.73e-04
2990	185	10.08	6.03	-0.33	-3.59e-04	0.0	1.48e-04
2990	187	-11.96	5.12	-0.25	-2.99e-04	0.0	1.13e-04
2990	201	1.34	17.43	-0.31	-8.51e-04	0.0	2.71e-04
2990	217	11.78	7.06	-0.33	-4.01e-04	0.0	1.74e-04
2990	219	-13.83	5.98	-0.24	-3.31e-04	0.0	1.34e-04
2990	225	1.10	20.79	-0.32	-9.35e-04	0.0	6.05e-04
2990	244	-0.32	1.29	-0.35	-1.95e-04	0.0	1.41e-05
2990	264	-1.25	1.20	-0.31	-1.73e-04	0.0	2.33e-05
2990	276	-0.47	2.01	-0.32	-2.21e-04	0.0	1.49e-05
2990	298	-0.45	1.05	-0.29	-1.56e-04	0.0	1.35e-05
2990	305	-0.58	1.01	-0.28	-1.48e-04	0.0	1.45e-05
2990	307	-0.42	1.17	-0.28	-1.58e-04	0.0	1.28e-05
2990	310	-0.43	0.99	-0.28	-1.48e-04	0.0	1.27e-05
2991	4	-0.38	1.71	-0.47	-2.81e-04	0.0	1.87e-05
2991	44	-1.77	1.59	-0.41	-2.47e-04	0.0	3.27e-05
2991	68	-0.61	2.76	-0.42	-3.20e-04	0.0	2.01e-05
2991	121	8.91	5.07	-0.29	-3.32e-04	0.0	1.30e-04
2991	123	-10.60	4.29	-0.25	-2.83e-04	0.0	9.57e-05
2991	137	1.18	14.69	-0.28	-7.68e-04	0.0	2.36e-04
2991	153	10.06	5.63	-0.29	-3.57e-04	0.0	1.45e-04
2991	155	-11.87	4.74	-0.24	-3.01e-04	0.0	1.07e-04
2991	169	1.38	16.50	-0.28	-8.49e-04	0.0	2.64e-04
2991	185	9.90	5.80	-0.29	-3.63e-04	0.0	1.46e-04
2991	187	-11.69	4.90	-0.24	-3.08e-04	0.0	1.12e-04
2991	201	1.34	16.93	-0.28	-8.68e-04	0.0	2.62e-04
2991	217	11.56	6.79	-0.30	-4.07e-04	0.0	1.72e-04
2991	219	-13.52	5.73	-0.24	-3.42e-04	0.0	1.33e-04
2991	225	1.10	20.08	-0.29	-9.62e-04	0.0	5.99e-04
2991	244	-0.28	1.19	-0.33	-1.95e-04	0.0	1.31e-05
2991	264	-1.20	1.10	-0.29	-1.73e-04	0.0	2.25e-05
2991	276	-0.43	1.89	-0.30	-2.21e-04	0.0	1.41e-05
2991	298	-0.41	0.97	-0.27	-1.56e-04	0.0	1.27e-05
2991	305	-0.54	0.92	-0.26	-1.48e-04	0.0	1.37e-05
2991	307	-0.39	1.08	-0.26	-1.58e-04	0.0	1.20e-05
2991	310	-0.39	0.91	-0.26	-1.48e-04	0.0	1.19e-05
2992	4	-0.44	1.85	-0.48	-2.72e-04	4.29e-05	1.72e-05
2992	44	-1.84	1.71	-0.42	-2.39e-04	2.76e-05	3.18e-05
2992	68	-0.66	2.92	-0.43	-3.08e-04	4.00e-05	1.89e-05
2992	121	9.07	5.22	-0.29	-3.08e-04	5.77e-05	1.33e-04
2992	123	-10.85	4.43	-0.25	-2.69e-04	2.71e-06	9.76e-05
2992	137	1.19	15.04	-0.29	-7.02e-04	6.11e-05	2.47e-04
2992	153	10.25	5.78	-0.30	-3.29e-04	6.23e-05	1.49e-04
2992	155	-12.15	4.89	-0.25	-2.86e-04	0.0	1.09e-04
2992	169	1.38	16.89	-0.29	-7.76e-04	6.63e-05	2.77e-04
2992	185	10.08	5.96	-0.30	-3.35e-04	6.22e-05	1.50e-04
2992	187	-11.96	5.05	-0.25	-2.91e-04	1.42e-06	1.14e-04
2992	201	1.35	17.33	-0.29	-7.92e-04	6.74e-05	2.75e-04
2992	217	11.78	6.97	-0.30	-3.74e-04	6.94e-05	1.77e-04
2992	219	-13.83	5.90	-0.25	-3.22e-04	-1.31e-06	1.36e-04
2992	225	1.11	20.51	-0.29	-8.79e-04	7.42e-05	6.14e-04
2992	244	-0.31	1.29	-0.34	-1.89e-04	2.95e-05	1.21e-05
2992	264	-1.25	1.19	-0.30	-1.67e-04	1.93e-05	2.18e-05
2992	276	-0.47	2.00	-0.31	-2.13e-04	2.76e-05	1.33e-05
2992	298	-0.45	1.05	-0.28	-1.51e-04	2.25e-05	1.20e-05

2992	305	-0.58	1.00	-0.27	-1.43e-04	2.02e-05	1.31e-05
2992	307	-0.42	1.16	-0.27	-1.53e-04	2.18e-05	1.13e-05
2992	310	-0.43	0.99	-0.27	-1.43e-04	2.11e-05	1.12e-05
2993	44	-1.78	1.70	-0.42	-2.01e-04	0.0	9.12e-05
2993	52	-0.71	2.60	-0.51	-2.67e-04	0.0	9.90e-05
2993	68	-0.61	2.85	-0.47	-2.60e-04	0.0	9.35e-05
2993	121	8.91	5.36	-0.50	-3.08e-04	0.0	1.95e-04
2993	123	-10.60	4.54	-0.14	-2.52e-04	0.0	1.49e-04
2993	129	0.78	15.29	-0.46	-6.95e-04	0.0	5.64e-04
2993	153	10.06	5.95	-0.53	-3.33e-04	0.0	2.14e-04
2993	155	-11.87	5.02	-0.12	-2.70e-04	0.0	1.63e-04
2993	161	0.92	17.20	-0.48	-7.71e-04	0.0	6.31e-04
2993	185	9.89	6.13	-0.53	-3.39e-04	0.0	2.17e-04
2993	187	-11.69	5.19	-0.12	-2.76e-04	0.0	1.69e-04
2993	193	0.89	17.82	-0.48	-7.94e-04	0.0	6.45e-04
2993	217	11.56	7.18	-0.57	-3.83e-04	0.0	2.51e-04
2993	219	-13.52	6.07	-0.10	-3.09e-04	0.0	1.95e-04
2993	225	1.10	21.28	-0.52	-9.32e-04	0.0	7.63e-04
2993	264	-1.21	1.18	-0.30	-1.40e-04	0.0	6.34e-05
2993	268	-0.50	1.78	-0.36	-1.84e-04	0.0	6.86e-05
2993	276	-0.43	1.95	-0.33	-1.80e-04	0.0	6.49e-05
2993	298	-0.41	1.02	-0.29	-1.28e-04	0.0	4.93e-05
2993	305	-0.55	0.98	-0.28	-1.21e-04	0.0	4.85e-05
2993	307	-0.39	1.13	-0.28	-1.29e-04	0.0	4.88e-05
2993	310	-0.39	0.96	-0.28	-1.21e-04	0.0	4.67e-05
2994	44	-1.83	1.38	-10.02	-3.23e-03	-1.85e-04	3.31e-05
2994	59	-0.71	2.34	-12.73	-4.19e-03	-1.53e-04	2.14e-05
2994	68	-0.66	2.72	-10.23	-3.28e-03	-1.32e-04	2.30e-05
2994	123	-10.91	3.06	-5.51	-1.76e-03	-4.51e-04	1.75e-04
2994	137	1.23	10.63	-7.40	-2.32e-03	1.08e-04	3.08e-04
2994	139	-4.32	12.83	-7.15	-2.24e-03	-1.45e-04	1.48e-04
2994	155	-12.21	3.35	-5.53	-1.77e-03	-4.97e-04	1.97e-04
2994	169	1.43	11.92	-7.66	-2.40e-03	1.31e-04	3.46e-04
2994	171	-4.80	14.39	-7.38	-2.31e-03	-1.53e-04	1.66e-04
2994	187	-12.02	3.44	-5.54	-1.77e-03	-4.88e-04	2.00e-04
2994	201	1.39	12.25	-7.67	-2.39e-03	1.29e-04	3.49e-04
2994	203	-4.74	14.68	-7.39	-2.30e-03	-1.50e-04	1.71e-04
2994	219	-13.90	3.97	-5.59	-1.79e-03	-5.54e-04	2.36e-04
2994	233	1.69	14.43	-8.11	-2.52e-03	1.65e-04	4.11e-04
2994	235	-5.45	17.27	-7.77	-2.42e-03	-1.61e-04	2.02e-04
2994	264	-1.24	0.97	-7.10	-2.29e-03	-1.28e-04	2.27e-05
2994	271	-0.50	1.61	-8.90	-2.93e-03	-1.07e-04	1.49e-05
2994	276	-0.46	1.86	-7.24	-2.32e-03	-9.27e-05	1.59e-05
2994	301	-0.43	0.92	-6.01	-1.92e-03	-8.38e-05	1.09e-05
2994	305	-0.57	0.88	-5.32	-1.67e-03	-8.52e-05	1.29e-05
2994	307	-0.42	1.06	-5.35	-1.67e-03	-7.81e-05	1.15e-05
2994	310	-0.42	0.89	-5.33	-1.67e-03	-7.85e-05	1.07e-05
2995	44	-1.83	1.15	-24.39	-3.32e-03	-3.041e+04	1.96e-05
2995	59	-0.71	2.17	-31.31	-4.29e-03	-3.952e+04	6.19e-06
2995	68	-0.66	2.54	-24.49	-3.33e-03	-3.041e+04	9.30e-06
2995	119	-10.03	8.33	-15.66	-2.19e-03	-1.821e+04	-2.05e-04
2995	123	-10.92	2.10	-14.48	-1.99e-03	-1.724e+04	1.63e-04
2995	139	-4.33	11.76	-15.18	-2.12e-03	-1.775e+04	1.32e-04
2995	151	-11.21	9.27	-16.01	-2.25e-03	-1.850e+04	-2.31e-04
2995	155	-12.22	2.27	-14.70	-2.03e-03	-1.743e+04	1.83e-04
2995	171	-4.81	13.18	-15.48	-2.17e-03	-1.799e+04	1.50e-04
2995	183	-11.02	9.21	-15.88	-2.22e-03	-1.830e+04	-2.26e-04
2995	187	-12.03	2.33	-14.64	-2.02e-03	-1.732e+04	1.87e-04
2995	203	-4.74	13.39	-15.43	-2.16e-03	-1.785e+04	1.54e-04
2995	215	-12.79	10.66	-16.40	-2.30e-03	-1.870e+04	-2.65e-04
2995	219	-13.92	2.65	-14.96	-2.07e-03	-1.759e+04	2.22e-04
2995	235	-5.46	15.72	-15.90	-2.24e-03	-1.821e+04	1.84e-04
2995	264	-1.24	0.80	-17.36	-2.36e-03	-2.168e+04	1.32e-05
2995	271	-0.50	1.49	-21.98	-3.01e-03	-2.775e+04	4.26e-06
2995	276	-0.46	1.73	-17.43	-2.37e-03	-2.168e+04	6.34e-06
2995	301	-0.43	0.84	-14.53	-1.97e-03	-1.803e+04	2.68e-06
2995	305	-0.57	0.78	-12.70	-1.71e-03	-1.560e+04	5.03e-06
2995	307	-0.42	0.97	-12.71	-1.72e-03	-1.560e+04	3.65e-06
2995	310	-0.42	0.81	-12.69	-1.71e-03	-1.560e+04	2.94e-06
2996	41	-1.20	0.63	-0.11	-1.31e-04	0.0	2.04e-05
2996	44	-1.36	1.16	-0.06	-2.34e-04	0.0	2.66e-05
2996	68	-0.36	3.75	0.01	-3.44e-05	0.0	-5.89e-05
2996	116	-12.45	-5.34	-0.67	1.73e-04	0.0	-3.71e-04
2996	137	5.27	13.07	0.30	-7.96e-04	0.0	2.31e-04
2996	148	-13.97	-6.12	-0.75	2.14e-04	0.0	-4.19e-04

2996	169	5.96	14.69	0.34	-8.82e-04	0.0	2.59e-04
2996	180	-13.85	-6.25	-0.74	2.24e-04	0.0	-4.17e-04
2996	201	5.97	15.04	0.34	-9.00e-04	0.0	2.57e-04
2996	212	-16.18	-7.59	-0.87	2.96e-04	0.0	-4.94e-04
2996	233	7.07	17.74	0.41	-1.04e-03	0.0	3.00e-04
2996	261	-0.82	0.45	-0.08	-9.50e-05	0.0	1.40e-05
2996	264	-0.92	0.81	-0.04	-1.64e-04	0.0	1.82e-05
2996	276	-0.26	2.54	9.74e-04	-3.06e-05	0.0	-3.88e-05
2996	304	-0.31	0.46	-0.05	-9.56e-05	0.0	6.20e-06
2996	305	-0.39	0.71	-0.02	-1.41e-04	0.0	9.57e-06
2996	307	-0.25	1.05	-0.01	-1.14e-04	0.0	-1.83e-06
2996	309	-0.18	0.46	-0.04	-9.58e-05	0.0	4.25e-06
2996	310	-0.26	0.71	-0.02	-1.41e-04	0.0	7.61e-06
2997	41	-1.26	0.69	-0.10	-1.31e-04	0.0	2.00e-05
2997	44	-1.43	1.27	-0.05	-2.34e-04	0.0	2.58e-05
2997	68	-0.39	3.64	0.01	3.69e-04	0.0	-5.85e-05
2997	116	-12.88	-5.41	-0.62	1.03e-04	0.0	-3.77e-04
2997	137	5.47	13.43	0.28	-6.38e-04	0.0	2.14e-04
2997	148	-14.45	-6.21	-0.70	1.36e-04	0.0	-4.25e-04
2997	169	6.19	15.09	0.32	-7.03e-04	0.0	2.40e-04
2997	180	-14.32	-6.35	-0.69	1.44e-04	0.0	-4.23e-04
2997	201	6.20	15.45	0.32	-7.17e-04	0.0	2.35e-04
2997	212	-16.74	-7.72	-0.81	2.01e-04	0.0	-5.00e-04
2997	233	7.34	18.22	0.38	-8.26e-04	0.0	2.74e-04
2997	261	-0.85	0.50	-0.08	-9.52e-05	0.0	1.37e-05
2997	264	-0.97	0.89	-0.04	-1.64e-04	0.0	1.76e-05
2997	276	-0.27	2.46	9.36e-04	2.38e-04	0.0	-3.86e-05
2997	304	-0.33	0.50	-0.05	-9.58e-05	0.0	5.73e-06
2997	305	-0.41	0.78	-0.02	-1.41e-04	0.0	9.04e-06
2997	307	-0.27	1.09	-0.01	-6.08e-05	0.0	-2.21e-06
2997	309	-0.19	0.50	-0.04	-9.59e-05	0.0	3.73e-06
2997	310	-0.28	0.78	-0.02	-1.41e-04	0.0	7.04e-06
2998	28	-1.14	1.67	0.44	-2.68e-04	0.0	2.50e-05
2998	44	-1.47	1.46	0.40	-2.33e-04	0.0	2.82e-05
2998	68	-0.42	3.28	0.35	6.15e-04	0.0	-4.63e-05
2998	116	-13.02	-5.64	0.72	7.58e-05	0.0	-4.00e-04
2998	137	5.49	14.18	-0.06	-5.86e-04	0.0	3.29e-04
2998	148	-14.60	-6.50	0.79	1.04e-04	0.0	-4.52e-04
2998	169	6.22	15.93	-0.09	-6.44e-04	0.0	3.71e-04
2998	180	-14.47	-6.70	0.78	1.13e-04	0.0	-4.53e-04
2998	201	6.23	16.33	-0.09	-6.57e-04	0.0	3.74e-04
2998	212	-16.90	-8.19	0.88	1.64e-04	0.0	-5.38e-04
2998	233	7.38	19.26	-0.14	-7.55e-04	0.0	4.42e-04
2998	256	-0.77	1.16	0.30	-1.86e-04	0.0	1.72e-05
2998	264	-0.99	1.02	0.27	-1.63e-04	0.0	1.93e-05
2998	276	-0.30	2.23	0.24	4.02e-04	0.0	-3.04e-05
2998	301	-0.31	0.90	0.21	-1.46e-04	0.0	8.57e-06
2998	305	-0.43	0.87	0.20	-1.40e-04	0.0	1.05e-05
2998	307	-0.29	1.11	0.19	-2.72e-05	0.0	0.0
2998	310	-0.30	0.87	0.19	-1.40e-04	0.0	8.47e-06
2999	4	-0.38	1.70	-0.45	-2.80e-04	0.0	1.75e-05
2999	44	-1.77	1.57	-0.39	-2.46e-04	0.0	3.17e-05
2999	68	-0.61	2.75	-0.40	-3.19e-04	0.0	1.87e-05
2999	118	8.90	0.24	-0.26	-1.15e-04	0.0	2.75e-04
2999	123	-10.60	4.23	-0.24	-2.80e-04	0.0	9.65e-05
2999	137	1.18	14.61	-0.25	-7.55e-04	0.0	2.39e-04
2999	150	10.04	0.15	-0.26	-1.11e-04	0.0	3.07e-04
2999	155	-11.87	4.68	-0.24	-2.98e-04	0.0	1.08e-04
2999	169	1.38	16.41	-0.25	-8.35e-04	0.0	2.68e-04
2999	182	9.87	0.14	-0.26	-1.12e-04	0.0	3.02e-04
2999	187	-11.69	4.84	-0.24	-3.04e-04	0.0	1.13e-04
2999	201	1.34	16.84	-0.25	-8.53e-04	0.0	2.65e-04
2999	214	11.57	0.01	-0.27	-1.07e-04	0.0	3.51e-04
2999	219	-13.53	5.66	-0.24	-3.37e-04	0.0	1.34e-04
2999	233	1.62	19.87	-0.25	-9.87e-04	0.0	3.10e-04
2999	244	-0.28	1.18	-0.31	-1.95e-04	0.0	1.23e-05
2999	264	-1.20	1.09	-0.28	-1.72e-04	0.0	2.17e-05
2999	276	-0.43	1.88	-0.28	-2.21e-04	0.0	1.31e-05
2999	298	-0.41	0.96	-0.26	-1.55e-04	0.0	1.21e-05
2999	305	-0.54	0.92	-0.25	-1.48e-04	0.0	1.31e-05
2999	307	-0.39	1.08	-0.25	-1.57e-04	0.0	1.14e-05
2999	310	-0.39	0.91	-0.25	-1.47e-04	0.0	1.13e-05
3000	35	-1.12	1.68	0.44	-2.58e-04	0.0	2.74e-05
3000	44	-1.49	1.58	0.40	-2.35e-04	0.0	3.24e-05
3000	68	-0.43	2.84	0.36	7.62e-04	0.0	-6.85e-05

3000	116	-13.14	-5.65	0.71	4.35e-05	0.0	-3.97e-04
3000	137	5.54	14.42	-0.05	-5.14e-04	0.0	2.75e-04
3000	148	-14.74	-6.51	0.78	6.80e-05	0.0	-4.49e-04
3000	169	6.28	16.19	-0.08	-5.63e-04	0.0	3.09e-04
3000	180	-14.61	-6.72	0.77	7.53e-05	0.0	-4.48e-04
3000	201	6.29	16.59	-0.08	-5.74e-04	0.0	3.09e-04
3000	212	-17.07	-8.23	0.87	1.19e-04	0.0	-5.31e-04
3000	233	7.45	19.56	-0.13	-6.56e-04	0.0	3.63e-04
3000	259	-0.76	1.17	0.30	-1.79e-04	0.0	1.89e-05
3000	264	-1.01	1.10	0.27	-1.64e-04	0.0	2.22e-05
3000	276	-0.30	1.94	0.24	5.01e-04	0.0	-4.50e-05
3000	301	-0.31	0.97	0.21	-1.47e-04	0.0	1.15e-05
3000	305	-0.44	0.94	0.20	-1.41e-04	0.0	1.32e-05
3000	307	-0.29	1.11	0.20	-8.09e-06	0.0	0.0
3000	310	-0.30	0.94	0.20	-1.41e-04	0.0	1.12e-05
3001	28	-1.26	1.42	-0.26	-2.69e-04	0.0	2.40e-05
3001	44	-1.62	1.24	-0.25	-2.35e-04	0.0	2.69e-05
3001	68	-0.51	2.40	-0.20	-3.04e-04	0.0	3.60e-06
3001	123	-10.09	3.66	-0.22	-3.10e-04	0.0	9.53e-05
3001	137	1.17	13.45	0.07	-8.64e-04	0.0	2.49e-04
3001	144	-2.06	-11.20	-0.37	5.40e-04	0.0	-1.52e-04
3001	155	-11.31	4.05	-0.23	-3.33e-04	0.0	1.07e-04
3001	169	1.35	15.12	0.10	-9.58e-04	0.0	2.79e-04
3001	176	-2.28	-12.77	-0.40	6.29e-04	0.0	-1.73e-04
3001	187	-11.13	4.19	-0.22	-3.40e-04	0.0	1.12e-04
3001	201	1.32	15.50	0.11	-9.79e-04	0.0	2.78e-04
3001	208	-2.24	-13.14	-0.41	6.48e-04	0.0	-1.73e-04
3001	219	-12.89	4.91	-0.23	-3.82e-04	0.0	1.34e-04
3001	233	1.58	18.31	0.15	-1.14e-03	0.0	3.26e-04
3001	240	-2.54	-15.77	-0.45	7.98e-04	0.0	-2.05e-04
3001	256	-0.86	0.99	-0.19	-1.87e-04	0.0	1.65e-05
3001	264	-1.10	0.87	-0.18	-1.64e-04	0.0	1.84e-05
3001	276	-0.35	1.64	-0.15	-2.10e-04	0.0	2.93e-06
3001	298	-0.35	0.78	-0.15	-1.48e-04	0.0	9.09e-06
3001	305	-0.47	0.74	-0.15	-1.41e-04	0.0	1.03e-05
3001	307	-0.33	0.89	-0.15	-1.50e-04	0.0	7.22e-06
3001	310	-0.33	0.73	-0.15	-1.41e-04	0.0	8.51e-06
3002	44	-1.84	1.78	-0.43	-1.87e-04	0.0	4.59e-05
3002	52	-0.78	2.71	-0.52	-2.50e-04	0.0	4.08e-05
3002	68	-0.66	2.96	-0.48	-2.44e-04	0.0	3.69e-05
3002	121	9.06	5.48	-0.51	-2.86e-04	0.0	1.49e-04
3002	123	-10.84	4.65	-0.14	-2.34e-04	0.0	1.10e-04
3002	129	0.77	15.56	-0.46	-6.42e-04	0.0	4.80e-04
3002	153	10.24	6.07	-0.53	-3.09e-04	0.0	1.65e-04
3002	155	-12.13	5.14	-0.12	-2.50e-04	0.0	1.22e-04
3002	161	0.92	17.50	-0.48	-7.12e-04	0.0	5.39e-04
3002	185	10.07	6.25	-0.53	-3.15e-04	0.0	1.67e-04
3002	187	-11.95	5.31	-0.13	-2.56e-04	0.0	1.28e-04
3002	193	0.88	18.14	-0.49	-7.34e-04	0.0	5.49e-04
3002	217	11.77	7.32	-0.57	-3.55e-04	0.0	1.95e-04
3002	219	-13.82	6.21	-0.10	-2.87e-04	0.0	1.51e-04
3002	225	1.10	21.65	-0.53	-8.61e-04	0.0	6.53e-04
3002	264	-1.25	1.24	-0.31	-1.31e-04	0.0	3.17e-05
3002	268	-0.54	1.86	-0.37	-1.73e-04	0.0	2.83e-05
3002	276	-0.47	2.03	-0.34	-1.69e-04	0.0	2.58e-05
3002	298	-0.45	1.07	-0.30	-1.20e-04	0.0	2.14e-05
3002	305	-0.58	1.03	-0.28	-1.14e-04	0.0	2.19e-05
3002	307	-0.42	1.19	-0.29	-1.21e-04	0.0	2.07e-05
3002	310	-0.43	1.01	-0.29	-1.13e-04	0.0	2.01e-05
3003	28	-1.33	1.56	-0.26	-2.68e-04	0.0	2.03e-05
3003	44	-1.69	1.36	-0.25	-2.34e-04	0.0	2.34e-05
3003	68	-0.56	2.55	-0.20	-3.01e-04	0.0	1.62e-06
3003	123	-10.36	3.81	-0.22	-2.89e-04	0.0	9.42e-05
3003	137	1.18	13.85	0.07	-7.74e-04	0.0	2.46e-04
3003	144	-2.14	-11.44	-0.38	4.57e-04	0.0	-1.48e-04
3003	155	-11.60	4.21	-0.23	-3.09e-04	0.0	1.06e-04
3003	169	1.37	15.57	0.10	-8.58e-04	0.0	2.76e-04
3003	176	-2.36	-13.05	-0.41	5.35e-04	0.0	-1.68e-04
3003	187	-11.42	4.35	-0.23	-3.15e-04	0.0	1.11e-04
3003	201	1.33	15.96	0.11	-8.76e-04	0.0	2.75e-04
3003	208	-2.32	-13.43	-0.41	5.52e-04	0.0	-1.68e-04
3003	219	-13.22	5.09	-0.24	-3.51e-04	0.0	1.33e-04
3003	233	1.61	18.83	0.16	-1.02e-03	0.0	3.22e-04
3003	240	-2.63	-16.13	-0.46	6.83e-04	0.0	-1.99e-04
3003	256	-0.91	1.08	-0.19	-1.86e-04	0.0	1.40e-05

3003	264	-1.15	0.95	-0.18	-1.64e-04	0.0	1.60e-05
3003	276	-0.39	1.74	-0.15	-2.08e-04	0.0	1.50e-06
3003	298	-0.38	0.85	-0.15	-1.48e-04	0.0	7.18e-06
3003	305	-0.51	0.81	-0.15	-1.40e-04	0.0	8.45e-06
3003	307	-0.36	0.97	-0.15	-1.49e-04	0.0	5.55e-06
3003	310	-0.36	0.80	-0.15	-1.40e-04	0.0	6.67e-06
3004	28	-1.26	1.41	-0.25	-2.75e-04	0.0	2.16e-05
3004	44	-1.62	1.23	-0.25	-2.41e-04	0.0	2.49e-05
3004	68	-0.51	2.40	-0.18	-3.09e-04	0.0	-3.30e-06
3004	123	-10.09	3.61	-0.28	-3.16e-04	0.0	9.33e-05
3004	137	1.17	13.38	0.20	-8.85e-04	0.0	2.47e-04
3004	144	-2.06	-11.13	-0.49	5.53e-04	0.0	-1.53e-04
3004	155	-11.31	3.99	-0.29	-3.39e-04	0.0	1.05e-04
3004	169	1.35	15.04	0.25	-9.82e-04	0.0	2.77e-04
3004	176	-2.28	-12.69	-0.54	6.45e-04	0.0	-1.74e-04
3004	187	-11.13	4.13	-0.29	-3.47e-04	0.0	1.10e-04
3004	201	1.32	15.41	0.26	-1.00e-03	0.0	2.77e-04
3004	208	-2.24	-13.05	-0.54	6.64e-04	0.0	-1.74e-04
3004	219	-12.89	4.83	-0.31	-3.89e-04	0.0	1.32e-04
3004	233	1.58	18.20	0.33	-1.17e-03	0.0	3.25e-04
3004	240	-2.54	-15.67	-0.62	8.17e-04	0.0	-2.06e-04
3004	256	-0.86	0.98	-0.18	-1.91e-04	0.0	1.49e-05
3004	264	-1.10	0.86	-0.18	-1.68e-04	0.0	1.72e-05
3004	276	-0.35	1.64	-0.13	-2.14e-04	0.0	-1.66e-06
3004	305	-0.47	0.73	-0.15	-1.44e-04	0.0	9.18e-06
3004	307	-0.33	0.89	-0.14	-1.53e-04	0.0	5.41e-06
3004	310	-0.33	0.73	-0.14	-1.44e-04	0.0	7.38e-06
3005	28	-1.33	1.55	-0.25	-2.69e-04	0.0	8.95e-06
3005	44	-1.69	1.35	-0.25	-2.36e-04	0.0	1.32e-05
3005	68	-0.56	2.55	-0.18	-3.00e-04	0.0	-1.43e-05
3005	123	-10.36	3.76	-0.28	-2.91e-04	0.0	7.67e-05
3005	137	1.18	13.79	0.20	-7.83e-04	0.0	2.07e-04
3005	144	-2.14	-11.38	-0.49	4.63e-04	0.0	-1.20e-04
3005	155	-11.60	4.15	-0.30	-3.11e-04	0.0	8.68e-05
3005	169	1.37	15.49	0.25	-8.67e-04	0.0	2.33e-04
3005	176	-2.36	-12.98	-0.54	5.42e-04	0.0	-1.35e-04
3005	187	-11.42	4.29	-0.29	-3.17e-04	0.0	9.13e-05
3005	201	1.33	15.88	0.26	-8.85e-04	0.0	2.28e-04
3005	208	-2.32	-13.35	-0.55	5.59e-04	0.0	-1.32e-04
3005	219	-13.22	5.02	-0.31	-3.54e-04	0.0	1.11e-04
3005	233	1.61	18.74	0.33	-1.03e-03	0.0	2.67e-04
3005	240	-2.63	-16.04	-0.62	6.91e-04	0.0	-1.54e-04
3005	256	-0.91	1.07	-0.18	-1.87e-04	0.0	6.12e-06
3005	264	-1.15	0.94	-0.18	-1.65e-04	0.0	8.98e-06
3005	276	-0.39	1.74	-0.13	-2.07e-04	0.0	-9.36e-06
3005	305	-0.51	0.81	-0.15	-1.41e-04	0.0	2.71e-06
3005	307	-0.36	0.97	-0.14	-1.50e-04	0.0	0.0
3005	310	-0.36	0.80	-0.14	-1.41e-04	0.0	1.02e-06
3006	28	-1.43	1.79	-0.42	9.37e-04	-5.39e-04	3.36e-05
3006	44	-1.78	1.56	-0.37	9.08e-04	-5.52e-04	3.61e-05
3006	68	-0.63	2.82	-0.37	9.45e-04	-5.20e-04	2.41e-05
3006	124	-10.87	-2.82	-0.24	3.00e-04	-5.00e-04	-7.44e-05
3006	128	-10.71	-3.17	-0.24	2.95e-04	-5.02e-04	-1.42e-05
3006	137	3.69	14.36	-0.22	6.64e-04	-9.03e-05	2.88e-04
3006	156	-12.17	-3.32	-0.24	2.77e-04	-5.28e-04	-8.61e-05
3006	160	-11.99	-3.71	-0.24	2.72e-04	-5.31e-04	-1.79e-05
3006	169	4.20	16.12	-0.21	6.88e-04	-6.67e-05	3.23e-04
3006	188	-11.99	-3.47	-0.24	2.78e-04	-5.26e-04	-9.14e-05
3006	192	-11.82	-3.83	-0.24	2.73e-04	-5.28e-04	-1.99e-05
3006	201	4.15	16.52	-0.21	6.93e-04	-6.35e-05	3.25e-04
3006	220	-13.88	-4.36	-0.25	2.43e-04	-5.69e-04	-1.14e-04
3006	233	4.92	19.47	-0.21	7.33e-04	-2.46e-05	3.81e-04
3006	256	-0.97	1.24	-0.30	6.64e-04	-3.85e-04	2.31e-05
3006	264	-1.21	1.09	-0.26	6.44e-04	-3.93e-04	2.48e-05
3006	276	-0.44	1.93	-0.26	6.69e-04	-3.72e-04	1.68e-05
3006	298	-0.43	0.98	-0.24	4.83e-04	-2.72e-04	1.35e-05
3006	305	-0.56	0.93	-0.23	4.76e-04	-2.75e-04	1.47e-05
3006	307	-0.40	1.10	-0.23	4.81e-04	-2.71e-04	1.31e-05
3006	310	-0.41	0.93	-0.23	4.79e-04	-2.73e-04	1.26e-05
3007	4	-0.28	1.77	-0.40	-1.20e-03	-5.21e-04	1.83e-05
3007	44	-1.54	1.56	-0.35	-1.16e-03	-5.52e-04	3.58e-05
3007	68	-0.47	2.83	-0.36	-1.16e-03	-5.20e-04	2.39e-05
3007	113	11.99	7.48	-0.23	-4.89e-04	-6.32e-05	4.01e-04
3007	116	-12.63	-5.62	-0.21	-7.35e-04	-4.82e-04	-3.77e-04
3007	137	5.16	14.35	-0.23	-5.93e-04	-9.03e-05	2.90e-04

3007	145	13.51	8.34	-0.23	-4.73e-04	-3.69e-05	4.50e-04
3007	148	-14.16	-6.47	-0.21	-7.51e-04	-5.08e-04	-4.26e-04
3007	169	5.85	16.11	-0.23	-5.91e-04	-6.67e-05	3.25e-04
3007	177	13.38	8.53	-0.23	-4.75e-04	-3.77e-05	4.50e-04
3007	180	-14.02	-6.67	-0.21	-7.49e-04	-5.08e-04	-4.26e-04
3007	201	5.85	16.51	-0.23	-5.91e-04	-6.35e-05	3.27e-04
3007	209	15.72	10.03	-0.23	-4.52e-04	3.91e-06	5.30e-04
3007	212	-16.37	-8.16	-0.20	-7.72e-04	-5.49e-04	-5.06e-04
3007	233	6.94	19.46	-0.23	-5.87e-04	-2.46e-05	3.85e-04
3007	244	-0.20	1.23	-0.28	-8.48e-04	-3.73e-04	1.29e-05
3007	264	-1.04	1.09	-0.25	-8.23e-04	-3.93e-04	2.46e-05
3007	276	-0.33	1.93	-0.25	-8.19e-04	-3.72e-04	1.66e-05
3007	298	-0.34	0.99	-0.23	-6.23e-04	-2.72e-04	1.30e-05
3007	305	-0.46	0.94	-0.22	-6.13e-04	-2.75e-04	1.44e-05
3007	307	-0.31	1.11	-0.22	-6.12e-04	-2.71e-04	1.28e-05
3007	310	-0.32	0.93	-0.22	-6.12e-04	-2.73e-04	1.22e-05
3008	41	-1.28	0.76	-0.10	-1.31e-04	0.0	1.92e-05
3008	44	-1.46	1.39	-0.05	-2.35e-04	0.0	2.42e-05
3008	68	-0.41	3.27	0.01	6.48e-04	0.0	4.49e-05
3008	116	-12.97	-5.42	-0.59	5.07e-05	0.0	-3.84e-04
3008	137	5.50	13.68	0.27	-5.09e-04	0.0	2.64e-04
3008	148	-14.55	-6.23	-0.67	7.61e-05	0.0	-4.33e-04
3008	169	6.23	15.36	0.30	-5.57e-04	0.0	2.97e-04
3008	180	-14.42	-6.38	-0.66	8.34e-05	0.0	-4.32e-04
3008	201	6.24	15.72	0.30	-5.67e-04	0.0	2.97e-04
3008	212	-16.85	-7.77	-0.77	1.29e-04	0.0	-5.12e-04
3008	233	7.39	18.53	0.36	-6.48e-04	0.0	3.49e-04
3008	261	-0.87	0.55	-0.07	-9.53e-05	0.0	1.31e-05
3008	264	-0.99	0.97	-0.04	-1.64e-04	0.0	1.65e-05
3008	276	-0.29	2.22	6.78e-04	4.24e-04	0.0	3.03e-05
3008	304	-0.34	0.55	-0.05	-9.59e-05	0.0	4.88e-06
3008	305	-0.42	0.85	-0.02	-1.41e-04	0.0	7.94e-06
3008	307	-0.28	1.10	-0.01	-2.37e-05	0.0	1.07e-05
3008	309	-0.21	0.55	-0.04	-9.61e-05	0.0	2.82e-06
3008	310	-0.29	0.85	-0.02	-1.42e-04	0.0	5.88e-06
3009	41	-1.30	0.83	-0.10	-1.32e-04	0.0	1.91e-05
3009	44	-1.49	1.51	-0.05	-2.35e-04	0.0	2.37e-05
3009	68	-0.43	2.80	0.01	8.32e-04	0.0	9.96e-05
3009	116	-13.11	-5.41	-0.59	2.25e-05	0.0	-3.88e-04
3009	137	5.55	13.87	0.26	-4.31e-04	0.0	3.19e-04
3009	148	-14.70	-6.23	-0.66	4.43e-05	0.0	-4.38e-04
3009	169	6.29	15.57	0.30	-4.69e-04	0.0	3.59e-04
3009	180	-14.58	-6.38	-0.65	5.05e-05	0.0	-4.40e-04
3009	201	6.30	15.94	0.30	-4.77e-04	0.0	3.63e-04
3009	212	-17.03	-7.78	-0.76	8.93e-05	0.0	-5.22e-04
3009	233	7.46	18.77	0.35	-5.41e-04	0.0	4.29e-04
3009	261	-0.88	0.60	-0.07	-9.54e-05	0.0	1.30e-05
3009	264	-1.01	1.05	-0.04	-1.64e-04	0.0	1.61e-05
3009	276	-0.30	1.91	6.26e-04	5.47e-04	0.0	6.67e-05
3009	304	-0.35	0.60	-0.05	-9.61e-05	0.0	4.56e-06
3009	305	-0.44	0.92	-0.02	-1.42e-04	0.0	7.47e-06
3009	307	-0.30	1.09	-0.01	0.0	0.0	1.76e-05
3009	309	-0.22	0.60	-0.04	-9.63e-05	0.0	2.45e-06
3009	310	-0.30	0.92	-0.02	-1.42e-04	0.0	5.35e-06
3010	18	0.19	0.77	-0.14	-2.39e-04	0.0	-5.43e-06
3010	44	-1.08	0.70	-0.03	-2.34e-04	0.0	1.56e-05
3010	68	-0.20	2.31	-0.09	-9.32e-04	0.0	2.62e-04
3010	113	10.65	-0.21	-0.83	-5.91e-04	0.0	3.28e-04
3010	116	-10.95	1.13	0.67	3.07e-04	0.0	-3.30e-04
3010	139	-1.14	11.05	0.02	-9.39e-04	0.0	2.01e-04
3010	145	11.99	-0.27	-0.93	-6.48e-04	0.0	3.70e-04
3010	148	-12.29	1.19	0.77	3.65e-04	0.0	-3.72e-04
3010	171	-1.25	12.43	0.03	-1.04e-03	0.0	2.28e-04
3010	177	11.88	-0.14	-0.92	-6.54e-04	0.0	3.74e-04
3010	180	-12.18	1.06	0.76	3.71e-04	0.0	-3.75e-04
3010	203	-1.16	12.71	0.02	-1.07e-03	0.0	2.35e-04
3010	209	13.94	-0.15	-1.06	-7.51e-04	0.0	4.45e-04
3010	212	-14.24	1.07	0.90	4.67e-04	0.0	-4.46e-04
3010	235	-1.29	15.01	0.04	-1.25e-03	0.0	2.80e-04
3010	251	0.12	0.53	-0.10	-1.67e-04	0.0	-3.28e-06
3010	264	-0.73	0.49	-0.03	-1.64e-04	0.0	1.07e-05
3010	276	-0.14	1.56	-0.07	-6.29e-04	0.0	1.75e-04
3010	303	-0.09	0.46	-0.08	-1.42e-04	0.0	-1.56e-06
3010	305	-0.26	0.45	-0.07	-1.41e-04	0.0	1.24e-06
3010	307	-0.14	0.67	-0.08	-2.34e-04	0.0	3.41e-05

3010	310	-0.15	0.46	-0.08	-1.42e-04	0.0	0.0
3011	18	0.19	0.77	-0.16	-2.47e-04	0.0	-6.69e-06
3011	44	-1.07	0.70	-0.10	-2.42e-04	0.0	1.43e-05
3011	68	-0.20	2.18	-0.12	-7.92e-04	0.0	2.39e-04
3011	114	8.52	-4.82	-0.47	-1.89e-04	0.0	7.88e-05
3011	116	-10.93	1.23	0.22	2.65e-04	0.0	-3.30e-04
3011	139	-1.14	10.92	0.05	-8.73e-04	0.0	1.98e-04
3011	146	9.58	-5.50	-0.51	-1.92e-04	0.0	8.79e-05
3011	148	-12.27	1.30	0.26	3.17e-04	0.0	-3.72e-04
3011	171	-1.25	12.29	0.07	-9.68e-04	0.0	2.25e-04
3011	178	9.39	-5.55	-0.51	-1.83e-04	0.0	8.16e-05
3011	180	-12.16	1.17	0.25	3.23e-04	0.0	-3.76e-04
3011	203	-1.16	12.56	0.06	-9.91e-04	0.0	2.32e-04
3011	210	10.95	-6.66	-0.58	-1.83e-04	0.0	9.26e-05
3011	212	-14.22	1.20	0.31	4.11e-04	0.0	-4.46e-04
3011	235	-1.28	14.83	0.09	-1.15e-03	0.0	2.77e-04
3011	251	0.12	0.53	-0.12	-1.72e-04	0.0	-4.15e-06
3011	264	-0.72	0.49	-0.08	-1.69e-04	0.0	9.87e-06
3011	276	-0.14	1.48	-0.09	-5.36e-04	0.0	1.59e-04
3011	303	-0.09	0.46	-0.10	-1.48e-04	0.0	-2.41e-06
3011	305	-0.26	0.45	-0.09	-1.47e-04	0.0	0.0
3011	307	-0.14	0.65	-0.10	-2.20e-04	0.0	3.03e-05
3011	310	-0.15	0.46	-0.10	-1.47e-04	0.0	-1.48e-06
3012	18	0.16	0.89	-0.14	-2.41e-04	0.0	-1.34e-05
3012	44	-1.14	0.83	-0.04	-2.36e-04	0.0	8.10e-06
3012	68	-0.23	2.81	-0.10	-7.11e-04	0.0	4.17e-04
3012	113	10.91	-0.16	-0.81	-5.51e-04	0.0	3.37e-04
3012	116	-11.25	1.23	0.65	2.65e-04	0.0	-3.50e-04
3012	139	-1.17	11.63	0.22	-8.67e-04	0.0	2.79e-04
3012	145	12.29	-0.22	-0.91	-6.04e-04	0.0	3.81e-04
3012	148	-12.63	1.29	0.74	3.17e-04	0.0	-3.95e-04
3012	171	-1.27	13.08	0.26	-9.63e-04	0.0	3.17e-04
3012	177	12.17	-0.09	-0.90	-6.10e-04	0.0	3.87e-04
3012	180	-12.52	1.15	0.73	3.23e-04	0.0	-4.01e-04
3012	203	-1.18	13.37	0.26	-9.85e-04	0.0	3.27e-04
3012	209	14.29	-0.10	-1.04	-6.98e-04	0.0	4.63e-04
3012	212	-14.64	1.17	0.87	4.11e-04	0.0	-4.76e-04
3012	235	-1.30	15.78	0.32	-1.15e-03	0.0	3.91e-04
3012	251	0.10	0.62	-0.11	-1.68e-04	0.0	-8.67e-06
3012	264	-0.77	0.58	-0.04	-1.65e-04	0.0	5.67e-06
3012	276	-0.16	1.90	-0.07	-4.82e-04	0.0	2.78e-04
3012	303	-0.11	0.54	-0.09	-1.43e-04	0.0	-7.53e-06
3012	305	-0.29	0.53	-0.07	-1.43e-04	0.0	-4.66e-06
3012	307	-0.17	0.79	-0.08	-2.06e-04	0.0	4.98e-05
3012	310	-0.17	0.53	-0.08	-1.43e-04	0.0	-6.58e-06
3013	18	0.16	0.90	-0.17	-2.45e-04	0.0	-1.46e-05
3013	44	-1.14	0.82	-0.10	-2.40e-04	0.0	6.96e-06
3013	68	-0.23	2.60	-0.13	-6.19e-04	0.0	3.93e-04
3013	114	8.73	-4.96	-0.49	-1.79e-04	0.0	5.21e-05
3013	116	-11.25	1.33	0.23	2.33e-04	0.0	-3.51e-04
3013	139	-1.17	11.45	0.05	-8.13e-04	0.0	2.79e-04
3013	146	9.81	-5.66	-0.53	-1.82e-04	0.0	5.87e-05
3013	148	-12.63	1.40	0.27	2.81e-04	0.0	-3.95e-04
3013	171	-1.27	12.88	0.07	-9.01e-04	0.0	3.16e-04
3013	178	9.62	-5.72	-0.53	-1.74e-04	0.0	5.31e-05
3013	180	-12.52	1.27	0.26	2.87e-04	0.0	-4.02e-04
3013	203	-1.18	13.16	0.06	-9.21e-04	0.0	3.26e-04
3013	210	11.22	-6.88	-0.60	-1.73e-04	0.0	6.04e-05
3013	212	-14.64	1.30	0.32	3.68e-04	0.0	-4.77e-04
3013	235	-1.30	15.53	0.09	-1.07e-03	0.0	3.90e-04
3013	251	0.10	0.63	-0.12	-1.71e-04	0.0	-9.46e-06
3013	264	-0.77	0.58	-0.08	-1.68e-04	0.0	4.89e-06
3013	276	-0.16	1.76	-0.10	-4.20e-04	0.0	2.62e-04
3013	303	-0.11	0.54	-0.11	-1.46e-04	0.0	-8.30e-06
3013	305	-0.29	0.53	-0.10	-1.46e-04	0.0	-5.43e-06
3013	307	-0.17	0.77	-0.10	-1.96e-04	0.0	4.60e-05
3013	310	-0.17	0.54	-0.10	-1.46e-04	0.0	-7.34e-06
3014	17	0.15	0.95	-0.14	-2.18e-04	0.0	-2.25e-05
3014	44	-1.21	0.96	-0.04	-2.38e-04	0.0	6.53e-06
3014	68	-0.27	3.15	-0.10	-4.22e-04	0.0	4.99e-04
3014	113	11.28	-0.10	-0.80	-4.94e-04	0.0	3.51e-04
3014	116	-11.68	1.32	0.63	2.06e-04	0.0	-3.67e-04
3014	139	-1.20	12.14	0.21	-7.64e-04	0.0	3.37e-04
3014	145	12.71	-0.16	-0.89	-5.39e-04	0.0	3.97e-04
3014	148	-13.11	1.38	0.72	2.51e-04	0.0	-4.14e-04

3014	171	-1.31	13.65	0.25	-8.45e-04	0.0	3.83e-04
3014	177	12.59	-0.02	-0.88	-5.45e-04	0.0	4.05e-04
3014	180	-12.99	1.24	0.71	2.57e-04	0.0	-4.22e-04
3014	203	-1.22	13.95	0.25	-8.64e-04	0.0	3.94e-04
3014	209	14.79	-0.04	-1.01	-6.21e-04	0.0	4.85e-04
3014	212	-15.18	1.26	0.85	3.33e-04	0.0	-5.02e-04
3014	235	-1.34	16.46	0.31	-1.00e-03	0.0	4.71e-04
3014	250	0.09	0.66	-0.11	-1.53e-04	0.0	-1.47e-05
3014	264	-0.82	0.67	-0.04	-1.67e-04	0.0	4.66e-06
3014	276	-0.19	2.13	-0.08	-2.89e-04	0.0	3.33e-04
3014	303	-0.14	0.61	-0.09	-1.45e-04	0.0	-9.31e-06
3014	305	-0.32	0.60	-0.07	-1.44e-04	0.0	-6.37e-06
3014	307	-0.19	0.90	-0.08	-1.68e-04	0.0	5.92e-05
3014	310	-0.20	0.61	-0.08	-1.44e-04	0.0	-8.33e-06
3015	18	0.13	1.03	-0.17	-2.43e-04	0.0	-1.62e-05
3015	44	-1.21	0.95	-0.11	-2.38e-04	0.0	5.85e-06
3015	68	-0.27	2.88	-0.13	-3.93e-04	0.0	4.77e-04
3015	114	9.00	-5.07	-0.50	-1.66e-04	0.0	3.94e-05
3015	116	-11.67	1.42	0.23	1.88e-04	0.0	-3.67e-04
3015	139	-1.20	11.93	0.05	-7.28e-04	0.0	3.35e-04
3015	146	10.12	-5.80	-0.55	-1.68e-04	0.0	4.47e-05
3015	148	-13.09	1.50	0.27	2.31e-04	0.0	-4.14e-04
3015	171	-1.31	13.41	0.07	-8.05e-04	0.0	3.80e-04
3015	178	9.92	-5.86	-0.54	-1.61e-04	0.0	3.95e-05
3015	180	-12.98	1.36	0.27	2.36e-04	0.0	-4.22e-04
3015	203	-1.21	13.70	0.07	-8.23e-04	0.0	3.91e-04
3015	210	11.57	-7.06	-0.62	-1.59e-04	0.0	4.47e-05
3015	212	-15.17	1.39	0.33	3.08e-04	0.0	-5.02e-04
3015	235	-1.34	16.16	0.10	-9.52e-04	0.0	4.68e-04
3015	251	0.08	0.72	-0.12	-1.70e-04	0.0	-1.05e-05
3015	264	-0.82	0.66	-0.08	-1.66e-04	0.0	4.20e-06
3015	276	-0.19	1.95	-0.10	-2.70e-04	0.0	3.18e-04
3015	303	-0.14	0.62	-0.11	-1.45e-04	0.0	-9.80e-06
3015	305	-0.32	0.61	-0.10	-1.44e-04	0.0	-6.86e-06
3015	307	-0.19	0.87	-0.10	-1.65e-04	0.0	5.59e-05
3015	310	-0.20	0.61	-0.11	-1.45e-04	0.0	-8.82e-06
3016	44	-1.07	0.69	-0.16	-2.51e-04	0.0	1.08e-05
3016	68	-0.20	2.05	-0.16	-6.29e-04	0.0	2.26e-04
3016	76	-0.28	0.48	-0.21	-1.82e-04	0.0	-7.53e-05
3016	116	-10.91	1.33	0.05	2.16e-04	0.0	-3.33e-04
3016	118	8.98	-5.43	-0.35	-1.47e-04	0.0	1.24e-04
3016	139	-1.14	10.80	0.02	-7.97e-04	0.0	1.92e-04
3016	148	-12.25	1.42	0.07	2.63e-04	0.0	-3.75e-04
3016	150	10.10	-6.18	-0.37	-1.45e-04	0.0	1.40e-04
3016	171	-1.24	12.15	0.04	-8.82e-04	0.0	2.18e-04
3016	180	-12.14	1.28	0.06	2.68e-04	0.0	-3.78e-04
3016	182	9.94	-6.22	-0.37	-1.37e-04	0.0	1.36e-04
3016	203	-1.15	12.41	0.04	-9.02e-04	0.0	2.25e-04
3016	212	-14.19	1.33	0.10	3.47e-04	0.0	-4.49e-04
3016	214	11.62	-7.41	-0.41	-1.31e-04	0.0	1.60e-04
3016	235	-1.28	14.65	0.07	-1.04e-03	0.0	2.69e-04
3016	264	-0.72	0.48	-0.12	-1.75e-04	0.0	7.40e-06
3016	276	-0.14	1.39	-0.12	-4.27e-04	0.0	1.51e-04
3016	280	-0.19	0.34	-0.15	-1.29e-04	0.0	-5.00e-05
3016	298	-0.16	0.49	-0.13	-1.63e-04	0.0	-4.46e-06
3016	305	-0.26	0.45	-0.13	-1.54e-04	0.0	-1.87e-06
3016	307	-0.14	0.63	-0.13	-2.04e-04	0.0	2.69e-05
3016	310	-0.15	0.46	-0.13	-1.54e-04	0.0	-3.75e-06
3017	44	-1.14	0.82	-0.17	-2.44e-04	0.0	3.05e-06
3017	68	-0.23	2.38	-0.17	-5.09e-04	0.0	3.73e-04
3017	76	-0.32	0.58	-0.21	-2.07e-04	0.0	-1.33e-04
3017	116	-11.24	1.44	0.05	1.97e-04	0.0	-3.54e-04
3017	118	9.21	-5.57	-0.36	-1.42e-04	0.0	9.26e-05
3017	139	-1.16	11.28	0.02	-7.53e-04	0.0	2.65e-04
3017	148	-12.62	1.52	0.07	2.42e-04	0.0	-3.98e-04
3017	150	10.36	-6.35	-0.39	-1.39e-04	0.0	1.05e-04
3017	171	-1.27	12.69	0.04	-8.32e-04	0.0	3.02e-04
3017	180	-12.51	1.38	0.07	2.47e-04	0.0	-4.04e-04
3017	182	10.20	-6.38	-0.38	-1.32e-04	0.0	1.02e-04
3017	203	-1.18	12.96	0.04	-8.51e-04	0.0	3.12e-04
3017	212	-14.62	1.43	0.10	3.21e-04	0.0	-4.79e-04
3017	214	11.92	-7.62	-0.42	-1.26e-04	0.0	1.22e-04
3017	235	-1.30	15.29	0.07	-9.85e-04	0.0	3.73e-04
3017	264	-0.77	0.57	-0.13	-1.71e-04	0.0	2.17e-06
3017	276	-0.16	1.61	-0.12	-3.47e-04	0.0	2.49e-04

3017	280	-0.22	0.41	-0.15	-1.46e-04	0.0	-8.86e-05
3017	298	-0.18	0.58	-0.14	-1.58e-04	0.0	-1.13e-05
3017	305	-0.29	0.53	-0.13	-1.49e-04	0.0	-7.95e-06
3017	307	-0.17	0.74	-0.13	-1.85e-04	0.0	4.14e-05
3017	310	-0.17	0.54	-0.13	-1.50e-04	0.0	-9.87e-06
3018	44	-1.21	0.95	-0.17	-2.37e-04	0.0	4.05e-06
3018	68	-0.27	2.62	-0.17	-3.59e-04	0.0	4.55e-04
3018	76	-0.37	0.70	-0.22	-2.40e-04	0.0	-1.58e-04
3018	116	-11.66	1.53	0.05	1.72e-04	0.0	-3.68e-04
3018	118	9.49	-5.69	-0.37	-1.35e-04	0.0	7.93e-05
3018	139	-1.20	11.73	0.02	-6.93e-04	0.0	3.15e-04
3018	148	-13.08	1.62	0.07	2.12e-04	0.0	-4.14e-04
3018	150	10.69	-6.49	-0.39	-1.33e-04	0.0	9.01e-05
3018	171	-1.31	13.18	0.04	-7.65e-04	0.0	3.58e-04
3018	180	-12.96	1.47	0.07	2.17e-04	0.0	-4.21e-04
3018	182	10.51	-6.53	-0.39	-1.27e-04	0.0	8.77e-05
3018	203	-1.21	13.46	0.04	-7.82e-04	0.0	3.69e-04
3018	212	-15.15	1.52	0.10	2.85e-04	0.0	-5.01e-04
3018	214	12.30	-7.81	-0.43	-1.20e-04	0.0	1.05e-04
3018	235	-1.34	15.87	0.07	-9.03e-04	0.0	4.42e-04
3018	264	-0.82	0.66	-0.13	-1.65e-04	0.0	2.97e-06
3018	276	-0.19	1.78	-0.13	-2.47e-04	0.0	3.04e-04
3018	280	-0.26	0.49	-0.16	-1.67e-04	0.0	-1.05e-04
3018	298	-0.21	0.66	-0.14	-1.52e-04	0.0	-1.17e-05
3018	305	-0.32	0.61	-0.13	-1.44e-04	0.0	-8.12e-06
3018	307	-0.19	0.83	-0.13	-1.60e-04	0.0	5.20e-05
3018	310	-0.20	0.62	-0.14	-1.44e-04	0.0	-1.01e-05
3019	44	-1.07	0.68	-0.24	-2.62e-04	0.0	8.65e-06
3019	68	-0.20	1.93	-0.21	-4.76e-04	0.0	1.73e-04
3019	76	-0.28	0.52	-0.28	-2.47e-04	0.0	-6.23e-05
3019	116	-10.89	1.45	-0.11	1.73e-04	0.0	-3.35e-04
3019	138	0.84	-9.76	-0.39	4.10e-04	0.0	-1.79e-04
3019	139	-1.13	10.68	0.06	-7.36e-04	0.0	1.69e-04
3019	148	-12.23	1.55	-0.10	2.16e-04	0.0	-3.77e-04
3019	170	0.94	-11.09	-0.42	4.86e-04	0.0	-2.02e-04
3019	171	-1.24	12.02	0.09	-8.12e-04	0.0	1.92e-04
3019	180	-12.12	1.41	-0.10	2.20e-04	0.0	-3.79e-04
3019	202	0.85	-11.35	-0.42	5.04e-04	0.0	-2.09e-04
3019	203	-1.15	12.27	0.09	-8.30e-04	0.0	1.99e-04
3019	212	-14.17	1.48	-0.09	2.92e-04	0.0	-4.49e-04
3019	234	0.98	-13.56	-0.47	6.31e-04	0.0	-2.48e-04
3019	235	-1.27	14.49	0.14	-9.57e-04	0.0	2.38e-04
3019	264	-0.72	0.48	-0.17	-1.83e-04	0.0	5.87e-06
3019	276	-0.14	1.31	-0.16	-3.26e-04	0.0	1.15e-04
3019	280	-0.19	0.37	-0.20	-1.72e-04	0.0	-4.14e-05
3019	298	-0.16	0.49	-0.17	-1.73e-04	0.0	-5.73e-06
3019	305	-0.26	0.45	-0.17	-1.62e-04	0.0	-3.10e-06
3019	307	-0.14	0.62	-0.16	-1.91e-04	0.0	1.88e-05
3019	310	-0.15	0.46	-0.17	-1.63e-04	0.0	-4.99e-06
3020	44	-1.13	0.82	-0.25	-2.47e-04	0.0	1.32e-06
3020	68	-0.23	2.18	-0.22	-4.05e-04	0.0	2.80e-04
3020	76	-0.32	0.66	-0.29	-2.45e-04	0.0	-1.08e-04
3020	116	-11.23	1.55	-0.11	1.70e-04	0.0	-3.56e-04
3020	138	0.82	-10.03	-0.40	3.98e-04	0.0	-2.42e-04
3020	139	-1.16	11.13	0.06	-7.04e-04	0.0	2.21e-04
3020	148	-12.60	1.65	-0.10	2.11e-04	0.0	-4.00e-04
3020	170	0.93	-11.41	-0.43	4.71e-04	0.0	-2.73e-04
3020	171	-1.27	12.51	0.09	-7.76e-04	0.0	2.51e-04
3020	180	-12.49	1.51	-0.11	2.15e-04	0.0	-4.04e-04
3020	202	0.84	-11.68	-0.44	4.88e-04	0.0	-2.81e-04
3020	203	-1.18	12.77	0.09	-7.94e-04	0.0	2.60e-04
3020	212	-14.60	1.58	-0.10	2.84e-04	0.0	-4.79e-04
3020	234	0.96	-13.97	-0.48	6.11e-04	0.0	-3.33e-04
3020	235	-1.30	15.07	0.14	-9.16e-04	0.0	3.12e-04
3020	264	-0.76	0.57	-0.18	-1.73e-04	0.0	0.0
3020	276	-0.16	1.48	-0.16	-2.78e-04	0.0	1.87e-04
3020	280	-0.22	0.46	-0.21	-1.71e-04	0.0	-7.17e-05
3020	298	-0.18	0.58	-0.18	-1.61e-04	0.0	-1.22e-05
3020	305	-0.29	0.54	-0.17	-1.52e-04	0.0	-8.84e-06
3020	307	-0.17	0.72	-0.17	-1.73e-04	0.0	2.84e-05
3020	310	-0.17	0.55	-0.17	-1.53e-04	0.0	-1.08e-05
3021	44	-1.21	0.95	-0.25	-2.33e-04	0.0	4.80e-06
3021	68	-0.27	2.37	-0.23	-3.24e-04	0.0	3.43e-04
3021	76	-0.37	0.78	-0.29	-2.45e-04	0.0	-1.23e-04
3021	116	-11.63	1.64	-0.11	1.63e-04	0.0	-3.68e-04

3021	138	0.81	-10.29	-0.41	3.81e-04	0.0	-2.75e-04
3021	139	-1.20	11.55	0.06	-6.65e-04	0.0	2.56e-04
3021	148	-13.05	1.75	-0.10	2.02e-04	0.0	-4.14e-04
3021	170	0.92	-11.72	-0.44	4.50e-04	0.0	-3.10e-04
3021	171	-1.31	12.97	0.09	-7.34e-04	0.0	2.91e-04
3021	180	-12.94	1.60	-0.11	2.06e-04	0.0	-4.19e-04
3021	202	0.82	-11.99	-0.44	4.66e-04	0.0	-3.19e-04
3021	203	-1.21	13.25	0.09	-7.51e-04	0.0	3.00e-04
3021	212	-15.12	1.67	-0.10	2.72e-04	0.0	-4.97e-04
3021	234	0.94	-14.36	-0.49	5.82e-04	0.0	-3.79e-04
3021	235	-1.33	15.61	0.14	-8.67e-04	0.0	3.60e-04
3021	264	-0.81	0.66	-0.18	-1.63e-04	0.0	3.45e-06
3021	276	-0.19	1.61	-0.16	-2.23e-04	0.0	2.29e-04
3021	280	-0.26	0.55	-0.21	-1.71e-04	0.0	-8.15e-05
3021	298	-0.21	0.66	-0.18	-1.50e-04	0.0	-1.09e-05
3021	305	-0.32	0.62	-0.17	-1.42e-04	0.0	-7.45e-06
3021	307	-0.19	0.81	-0.17	-1.54e-04	0.0	3.76e-05
3021	310	-0.20	0.63	-0.17	-1.42e-04	0.0	-9.42e-06
3022	44	-1.07	0.68	-0.34	-2.73e-04	0.0	2.29e-05
3022	68	-0.20	1.84	-0.28	-3.90e-04	0.0	1.68e-05
3022	76	-0.28	0.56	-0.38	-2.91e-04	0.0	6.25e-06
3022	116	-10.88	1.57	-0.38	-2.14e-04	0.0	-3.25e-04
3022	139	-1.13	10.59	0.10	-8.12e-04	0.0	1.22e-04
3022	140	-4.98	-7.76	-0.58	3.62e-04	0.0	-2.44e-04
3022	148	-12.22	1.68	-0.40	-2.18e-04	0.0	-3.67e-04
3022	171	-1.24	11.91	0.14	-8.96e-04	0.0	1.38e-04
3022	172	-5.59	-8.84	-0.63	4.32e-04	0.0	-2.76e-04
3022	180	-12.11	1.54	-0.41	-2.10e-04	0.0	-3.68e-04
3022	203	-1.15	12.16	0.15	-9.11e-04	0.0	1.41e-04
3022	204	-5.59	-9.13	-0.64	4.49e-04	0.0	-2.78e-04
3022	212	-14.16	1.63	-0.44	-2.11e-04	0.0	-4.36e-04
3022	235	-1.27	14.35	0.22	-1.05e-03	0.0	1.68e-04
3022	236	-6.54	-10.97	-0.72	5.68e-04	0.0	-3.29e-04
3022	264	-0.72	0.48	-0.24	-1.90e-04	0.0	1.57e-05
3022	276	-0.14	1.25	-0.20	-2.68e-04	0.0	1.16e-05
3022	280	-0.19	0.40	-0.27	-2.02e-04	0.0	4.60e-06
3022	298	-0.16	0.50	-0.23	-1.81e-04	0.0	4.50e-06
3022	305	-0.26	0.46	-0.22	-1.70e-04	0.0	6.37e-06
3022	307	-0.14	0.61	-0.21	-1.86e-04	0.0	5.54e-06
3022	310	-0.15	0.47	-0.22	-1.71e-04	0.0	4.43e-06
3023	44	-1.13	0.83	-0.35	-2.49e-04	0.0	1.91e-05
3023	68	-0.23	2.03	-0.29	-3.46e-04	0.0	1.26e-05
3023	76	-0.32	0.72	-0.39	-2.67e-04	0.0	0.0
3023	116	-11.21	1.68	-0.38	-1.94e-04	0.0	-3.52e-04
3023	139	-1.16	11.02	0.09	-7.79e-04	0.0	1.24e-04
3023	140	-5.15	-7.95	-0.58	3.65e-04	0.0	-2.62e-04
3023	148	-12.58	1.79	-0.40	-1.97e-04	0.0	-3.96e-04
3023	171	-1.27	12.38	0.13	-8.61e-04	0.0	1.40e-04
3023	172	-5.78	-9.07	-0.63	4.34e-04	0.0	-2.96e-04
3023	180	-12.47	1.65	-0.41	-1.90e-04	0.0	-3.97e-04
3023	203	-1.18	12.64	0.14	-8.76e-04	0.0	1.44e-04
3023	204	-5.78	-9.36	-0.64	4.51e-04	0.0	-2.97e-04
3023	212	-14.58	1.74	-0.45	-1.91e-04	0.0	-4.70e-04
3023	235	-1.30	14.90	0.21	-1.01e-03	0.0	1.71e-04
3023	236	-6.77	-11.27	-0.72	5.66e-04	0.0	-3.51e-04
3023	264	-0.76	0.58	-0.25	-1.74e-04	0.0	1.32e-05
3023	276	-0.16	1.38	-0.21	-2.38e-04	0.0	8.83e-06
3023	280	-0.22	0.51	-0.28	-1.86e-04	0.0	0.0
3023	298	-0.18	0.59	-0.23	-1.64e-04	0.0	0.0
3023	305	-0.28	0.55	-0.22	-1.54e-04	0.0	3.25e-06
3023	307	-0.16	0.71	-0.22	-1.67e-04	0.0	2.38e-06
3023	310	-0.17	0.56	-0.22	-1.55e-04	0.0	1.29e-06
3024	44	-1.20	0.95	-0.35	-2.27e-04	0.0	1.65e-05
3024	68	-0.27	2.19	-0.30	-3.00e-04	0.0	1.18e-05
3024	76	-0.36	0.85	-0.39	-2.45e-04	0.0	-4.04e-06
3024	116	-11.59	1.77	-0.39	-1.74e-04	0.0	-3.72e-04
3024	139	-1.20	11.42	0.09	-7.46e-04	0.0	1.27e-04
3024	140	-5.35	-8.14	-0.59	3.67e-04	0.0	-2.77e-04
3024	148	-13.01	1.89	-0.41	-1.78e-04	0.0	-4.18e-04
3024	171	-1.31	12.82	0.13	-8.26e-04	0.0	1.44e-04
3024	172	-6.00	-9.30	-0.63	4.34e-04	0.0	-3.12e-04
3024	180	-12.90	1.74	-0.41	-1.71e-04	0.0	-4.19e-04
3024	203	-1.21	13.09	0.14	-8.40e-04	0.0	1.48e-04
3024	204	-6.01	-9.61	-0.64	4.50e-04	0.0	-3.14e-04
3024	212	-15.07	1.83	-0.45	-1.71e-04	0.0	-4.96e-04

3024	235	-1.33	15.42	0.21	-9.72e-04	0.0	1.77e-04
3024	236	-7.03	-11.57	-0.72	5.62e-04	0.0	-3.71e-04
3024	264	-0.81	0.66	-0.25	-1.59e-04	0.0	1.14e-05
3024	276	-0.19	1.49	-0.21	-2.07e-04	0.0	8.30e-06
3024	280	-0.25	0.60	-0.28	-1.71e-04	0.0	-2.28e-06
3024	298	-0.20	0.67	-0.23	-1.47e-04	0.0	-1.47e-06
3024	305	-0.31	0.62	-0.23	-1.39e-04	0.0	1.10e-06
3024	307	-0.19	0.79	-0.22	-1.48e-04	0.0	0.0
3024	310	-0.19	0.63	-0.23	-1.39e-04	0.0	0.0
3025	17	0.12	1.06	-0.15	-2.19e-04	0.0	-2.00e-05
3025	44	-1.30	1.08	-0.05	-2.39e-04	0.0	9.56e-06
3025	68	-0.32	3.28	-0.10	-1.30e-04	0.0	4.96e-04
3025	113	11.68	-0.03	-0.78	-4.31e-04	0.0	3.66e-04
3025	116	-12.14	1.40	0.61	1.42e-04	0.0	-3.79e-04
3025	139	-1.25	12.55	0.20	-6.47e-04	0.0	3.69e-04
3025	145	13.16	-0.10	-0.87	-4.68e-04	0.0	4.14e-04
3025	148	-13.62	1.46	0.69	1.79e-04	0.0	-4.27e-04
3025	171	-1.36	14.10	0.24	-7.14e-04	0.0	4.19e-04
3025	177	13.04	0.05	-0.86	-4.74e-04	0.0	4.23e-04
3025	180	-13.51	1.32	0.69	1.85e-04	0.0	-4.36e-04
3025	203	-1.25	14.41	0.24	-7.29e-04	0.0	4.31e-04
3025	209	15.32	0.04	-0.99	-5.38e-04	0.0	5.06e-04
3025	212	-15.78	1.33	0.82	2.48e-04	0.0	-5.19e-04
3025	235	-1.37	16.99	0.29	-8.40e-04	0.0	5.15e-04
3025	250	0.07	0.74	-0.11	-1.54e-04	0.0	-1.29e-05
3025	264	-0.88	0.75	-0.04	-1.67e-04	0.0	6.78e-06
3025	276	-0.23	2.22	-0.08	-9.41e-05	0.0	3.31e-04
3025	303	-0.17	0.69	-0.09	-1.45e-04	0.0	-7.57e-06
3025	305	-0.36	0.68	-0.08	-1.44e-04	0.0	-4.58e-06
3025	307	-0.22	0.97	-0.08	-1.30e-04	0.0	6.02e-05
3025	310	-0.23	0.68	-0.09	-1.45e-04	0.0	-6.58e-06
3026	18	0.10	1.15	-0.17	-2.41e-04	0.0	-1.30e-05
3026	44	-1.30	1.07	-0.11	-2.36e-04	0.0	9.52e-06
3026	68	-0.32	3.02	-0.13	-1.67e-04	0.0	4.74e-04
3026	114	9.31	-5.16	-0.51	-1.53e-04	0.0	3.91e-05
3026	116	-12.16	1.50	0.24	1.39e-04	0.0	-3.78e-04
3026	139	-1.25	12.32	0.05	-6.35e-04	0.0	3.62e-04
3026	146	10.48	-5.90	-0.56	-1.53e-04	0.0	4.41e-05
3026	148	-13.64	1.58	0.28	1.76e-04	0.0	-4.26e-04
3026	171	-1.36	13.84	0.07	-7.00e-04	0.0	4.11e-04
3026	178	10.27	-5.96	-0.55	-1.48e-04	0.0	3.89e-05
3026	180	-13.52	1.43	0.27	1.81e-04	0.0	-4.35e-04
3026	203	-1.26	14.14	0.07	-7.15e-04	0.0	4.23e-04
3026	210	11.99	-7.20	-0.63	-1.45e-04	0.0	4.37e-05
3026	212	-15.80	1.46	0.34	2.43e-04	0.0	-5.18e-04
3026	235	-1.37	16.67	0.10	-8.24e-04	0.0	5.05e-04
3026	251	0.05	0.80	-0.13	-1.68e-04	0.0	-8.24e-06
3026	264	-0.88	0.75	-0.08	-1.65e-04	0.0	6.75e-06
3026	276	-0.22	2.05	-0.10	-1.19e-04	0.0	3.16e-04
3026	303	-0.17	0.69	-0.11	-1.43e-04	0.0	-7.69e-06
3026	305	-0.35	0.68	-0.10	-1.42e-04	0.0	-4.69e-06
3026	307	-0.22	0.94	-0.11	-1.33e-04	0.0	5.72e-05
3026	310	-0.23	0.69	-0.11	-1.43e-04	0.0	-6.69e-06
3027	17	0.09	1.17	-0.15	-2.19e-04	0.0	-1.37e-05
3027	44	-1.41	1.20	-0.05	-2.38e-04	0.0	1.51e-05
3027	68	-0.38	3.25	-0.11	1.44e-04	0.0	4.25e-04
3027	113	12.25	0.04	-0.75	-3.61e-04	0.0	3.82e-04
3027	116	-12.79	1.47	0.57	7.18e-05	0.0	-3.87e-04
3027	139	-1.32	12.88	0.18	-5.14e-04	0.0	3.86e-04
3027	145	13.81	-0.02	-0.83	-3.89e-04	0.0	4.32e-04
3027	148	-14.35	1.53	0.65	1.00e-04	0.0	-4.37e-04
3027	171	-1.43	14.47	0.22	-5.62e-04	0.0	4.37e-04
3027	177	13.69	0.12	-0.82	-3.95e-04	0.0	4.41e-04
3027	180	-14.23	1.39	0.64	1.06e-04	0.0	-4.46e-04
3027	203	-1.32	14.79	0.21	-5.73e-04	0.0	4.49e-04
3027	209	16.08	0.12	-0.94	-4.44e-04	0.0	5.27e-04
3027	212	-16.62	1.40	0.77	1.55e-04	0.0	-5.32e-04
3027	235	-1.44	17.43	0.26	-6.54e-04	0.0	5.36e-04
3027	250	0.04	0.82	-0.11	-1.53e-04	0.0	-8.68e-06
3027	264	-0.95	0.84	-0.05	-1.67e-04	0.0	1.05e-05
3027	276	-0.27	2.21	-0.08	8.86e-05	0.0	2.84e-04
3027	303	-0.20	0.76	-0.09	-1.45e-04	0.0	-3.70e-06
3027	305	-0.40	0.75	-0.08	-1.44e-04	0.0	0.0
3027	307	-0.26	1.02	-0.09	-9.32e-05	0.0	5.40e-05
3027	310	-0.27	0.76	-0.09	-1.45e-04	0.0	-2.69e-06

3028	18	0.06	1.27	-0.17	-2.39e-04	0.0	-7.56e-06
3028	44	-1.39	1.19	-0.11	-2.34e-04	0.0	1.54e-05
3028	68	-0.37	3.03	-0.13	3.91e-05	0.0	3.88e-04
3028	113	12.17	-0.06	-0.52	-3.76e-04	0.0	3.79e-04
3028	116	-12.70	1.57	0.30	9.32e-05	0.0	-3.84e-04
3028	139	-1.30	12.65	0.06	-5.44e-04	0.0	3.59e-04
3028	145	13.72	-0.14	-0.57	-4.06e-04	0.0	4.28e-04
3028	148	-14.25	1.65	0.35	1.24e-04	0.0	-4.33e-04
3028	171	-1.41	14.20	0.08	-5.97e-04	0.0	4.07e-04
3028	177	13.60	0.01	-0.56	-4.11e-04	0.0	4.36e-04
3028	180	-14.12	1.50	0.35	1.29e-04	0.0	-4.42e-04
3028	203	-1.30	14.51	0.07	-6.09e-04	0.0	4.19e-04
3028	209	15.97	-0.01	-0.64	-4.64e-04	0.0	5.22e-04
3028	212	-16.50	1.53	0.42	1.81e-04	0.0	-5.27e-04
3028	235	-1.42	17.09	0.10	-6.98e-04	0.0	5.00e-04
3028	251	0.03	0.88	-0.13	-1.67e-04	0.0	-4.54e-06
3028	264	-0.94	0.83	-0.08	-1.63e-04	0.0	1.08e-05
3028	276	-0.26	2.06	-0.10	1.84e-05	0.0	2.59e-04
3028	303	-0.20	0.76	-0.11	-1.41e-04	0.0	-3.61e-06
3028	305	-0.39	0.75	-0.10	-1.41e-04	0.0	0.0
3028	307	-0.26	1.00	-0.11	-1.04e-04	0.0	4.91e-05
3028	310	-0.26	0.76	-0.11	-1.41e-04	0.0	-2.59e-06
3029	44	-1.30	1.07	-0.17	-2.31e-04	0.0	1.04e-05
3029	68	-0.32	2.76	-0.17	-2.12e-04	0.0	4.54e-04
3029	76	-0.43	0.82	-0.22	-2.74e-04	0.0	-1.48e-04
3029	116	-12.15	1.61	0.05	1.45e-04	0.0	-3.75e-04
3029	118	9.84	-5.78	-0.37	-1.30e-04	0.0	8.40e-05
3029	139	-1.25	12.10	0.02	-6.33e-04	0.0	3.34e-04
3029	148	-13.64	1.70	0.08	1.82e-04	0.0	-4.23e-04
3029	150	11.08	-6.60	-0.40	-1.27e-04	0.0	9.50e-05
3029	171	-1.36	13.60	0.04	-6.98e-04	0.0	3.79e-04
3029	180	-13.52	1.55	0.07	1.86e-04	0.0	-4.31e-04
3029	182	10.90	-6.65	-0.40	-1.22e-04	0.0	9.25e-05
3029	203	-1.25	13.89	0.04	-7.13e-04	0.0	3.90e-04
3029	212	-15.80	1.60	0.11	2.48e-04	0.0	-5.13e-04
3029	214	12.75	-7.96	-0.44	-1.17e-04	0.0	1.10e-04
3029	235	-1.37	16.36	0.08	-8.22e-04	0.0	4.66e-04
3029	264	-0.88	0.74	-0.13	-1.62e-04	0.0	7.40e-06
3029	276	-0.22	1.87	-0.13	-1.49e-04	0.0	3.03e-04
3029	280	-0.30	0.58	-0.16	-1.90e-04	0.0	-9.84e-05
3029	298	-0.24	0.73	-0.14	-1.47e-04	0.0	-7.71e-06
3029	305	-0.35	0.68	-0.13	-1.39e-04	0.0	-4.32e-06
3029	307	-0.22	0.91	-0.13	-1.37e-04	0.0	5.48e-05
3029	310	-0.23	0.69	-0.14	-1.40e-04	0.0	-6.32e-06
3030	44	-1.38	1.18	-0.18	-2.28e-04	0.0	1.79e-05
3030	68	-0.37	2.82	-0.17	-7.77e-05	0.0	3.73e-04
3030	76	-0.49	0.97	-0.22	-3.08e-04	0.0	-1.13e-04
3030	116	-12.65	1.68	0.06	1.20e-04	0.0	-3.79e-04
3030	118	10.19	-5.86	-0.38	-1.26e-04	0.0	1.06e-04
3030	139	-1.29	12.44	0.02	-5.79e-04	0.0	3.13e-04
3030	148	-14.19	1.78	0.08	1.53e-04	0.0	-4.28e-04
3030	150	11.47	-6.70	-0.41	-1.24e-04	0.0	1.19e-04
3030	171	-1.40	13.97	0.05	-6.38e-04	0.0	3.55e-04
3030	180	-14.07	1.62	0.07	1.58e-04	0.0	-4.34e-04
3030	182	11.28	-6.74	-0.40	-1.20e-04	0.0	1.16e-04
3030	203	-1.30	14.27	0.05	-6.51e-04	0.0	3.66e-04
3030	212	-16.44	1.67	0.11	2.14e-04	0.0	-5.17e-04
3030	214	13.21	-8.09	-0.45	-1.15e-04	0.0	1.36e-04
3030	235	-1.41	16.80	0.08	-7.49e-04	0.0	4.36e-04
3030	264	-0.94	0.82	-0.13	-1.59e-04	0.0	1.25e-05
3030	276	-0.26	1.92	-0.13	-5.95e-05	0.0	2.49e-04
3030	280	-0.34	0.68	-0.16	-2.13e-04	0.0	-7.45e-05
3030	298	-0.27	0.80	-0.14	-1.44e-04	0.0	-2.13e-06
3030	305	-0.39	0.75	-0.13	-1.36e-04	0.0	0.0
3030	307	-0.26	0.97	-0.13	-1.16e-04	0.0	4.82e-05
3030	310	-0.26	0.76	-0.14	-1.37e-04	0.0	-1.25e-06
3031	44	-1.29	1.06	-0.26	-2.24e-04	0.0	1.36e-05
3031	68	-0.32	2.51	-0.23	-2.50e-04	0.0	3.47e-04
3031	76	-0.43	0.90	-0.30	-2.52e-04	0.0	-1.11e-04
3031	116	-12.14	1.72	-0.11	1.54e-04	0.0	-3.73e-04
3031	138	0.79	-10.53	-0.41	3.61e-04	0.0	-2.77e-04
3031	139	-1.25	11.91	0.06	-6.32e-04	0.0	2.68e-04
3031	148	-13.63	1.83	-0.10	1.91e-04	0.0	-4.21e-04
3031	170	0.90	-11.99	-0.44	4.26e-04	0.0	-3.13e-04
3031	171	-1.36	13.38	0.09	-6.97e-04	0.0	3.04e-04

3031	180	-13.51	1.68	-0.11	1.95e-04	0.0	-4.26e-04
3031	202	0.79	-12.27	-0.45	4.42e-04	0.0	-3.22e-04
3031	203	-1.25	13.66	0.09	-7.12e-04	0.0	3.14e-04
3031	212	-15.79	1.75	-0.10	2.58e-04	0.0	-5.06e-04
3031	234	0.91	-14.70	-0.50	5.52e-04	0.0	-3.83e-04
3031	235	-1.37	16.09	0.14	-8.22e-04	0.0	3.75e-04
3031	264	-0.87	0.74	-0.18	-1.57e-04	0.0	9.59e-06
3031	276	-0.22	1.71	-0.17	-1.74e-04	0.0	2.32e-04
3031	280	-0.30	0.64	-0.21	-1.76e-04	0.0	-7.37e-05
3031	298	-0.24	0.74	-0.18	-1.42e-04	0.0	-5.40e-06
3031	305	-0.35	0.68	-0.18	-1.35e-04	0.0	-2.19e-06
3031	307	-0.22	0.88	-0.17	-1.38e-04	0.0	4.23e-05
3031	310	-0.23	0.69	-0.18	-1.35e-04	0.0	-4.20e-06
3032	44	-1.38	1.17	-0.26	-2.21e-04	0.0	2.22e-05
3032	68	-0.37	2.62	-0.23	-1.85e-04	0.0	2.92e-04
3032	76	-0.49	1.03	-0.30	-2.65e-04	0.0	-8.16e-05
3032	116	-12.63	1.80	-0.11	1.44e-04	0.0	-3.76e-04
3032	138	0.76	-10.74	-0.41	3.40e-04	0.0	-2.54e-04
3032	139	-1.29	12.26	0.06	-6.04e-04	0.0	2.57e-04
3032	148	-14.16	1.91	-0.10	1.79e-04	0.0	-4.24e-04
3032	170	0.87	-12.25	-0.45	4.02e-04	0.0	-2.88e-04
3032	171	-1.40	13.76	0.09	-6.66e-04	0.0	2.91e-04
3032	180	-14.04	1.75	-0.11	1.83e-04	0.0	-4.29e-04
3032	202	0.77	-12.54	-0.45	4.17e-04	0.0	-2.97e-04
3032	203	-1.29	14.05	0.10	-6.81e-04	0.0	3.00e-04
3032	212	-16.41	1.82	-0.10	2.42e-04	0.0	-5.11e-04
3032	234	0.88	-15.03	-0.50	5.22e-04	0.0	-3.54e-04
3032	235	-1.41	16.55	0.15	-7.86e-04	0.0	3.57e-04
3032	264	-0.93	0.82	-0.19	-1.55e-04	0.0	1.55e-05
3032	276	-0.26	1.78	-0.17	-1.31e-04	0.0	1.95e-04
3032	280	-0.34	0.72	-0.21	-1.84e-04	0.0	-5.37e-05
3032	298	-0.27	0.80	-0.18	-1.38e-04	0.0	0.0
3032	305	-0.39	0.75	-0.18	-1.32e-04	0.0	3.57e-06
3032	307	-0.26	0.94	-0.17	-1.27e-04	0.0	3.95e-05
3032	310	-0.26	0.76	-0.18	-1.32e-04	0.0	1.52e-06
3033	44	-1.29	1.05	-0.36	-2.16e-04	0.0	1.72e-05
3033	68	-0.32	2.33	-0.30	-2.67e-04	0.0	1.93e-05
3033	76	-0.43	0.96	-0.40	-2.36e-04	0.0	-5.66e-06
3033	116	-12.14	1.85	-0.39	1.61e-04	0.0	-3.82e-04
3033	139	-1.25	11.78	0.08	-6.24e-04	0.0	1.33e-04
3033	140	-5.64	-8.33	-0.59	4.60e-04	0.0	-2.86e-04
3033	148	-13.62	1.97	-0.41	1.98e-04	0.0	-4.30e-04
3033	171	-1.36	13.22	0.12	-6.89e-04	0.0	1.51e-04
3033	172	-6.33	-9.52	-0.63	5.37e-04	0.0	-3.23e-04
3033	180	-13.50	1.81	-0.41	2.02e-04	0.0	-4.31e-04
3033	203	-1.25	13.50	0.13	-7.05e-04	0.0	1.55e-04
3033	204	-6.33	-9.83	-0.64	5.52e-04	0.0	-3.25e-04
3033	212	-15.78	1.91	-0.45	2.64e-04	0.0	-5.10e-04
3033	235	-1.37	15.89	0.20	-8.14e-04	0.0	1.85e-04
3033	236	-7.41	-11.85	-0.72	6.80e-04	0.0	-3.84e-04
3033	264	-0.87	0.73	-0.25	-1.51e-04	0.0	1.19e-05
3033	276	-0.22	1.58	-0.22	-1.85e-04	0.0	1.33e-05
3033	280	-0.30	0.67	-0.28	-1.64e-04	0.0	-3.34e-06
3033	298	-0.24	0.74	-0.24	-1.37e-04	0.0	-1.20e-06
3033	305	-0.35	0.68	-0.23	-1.30e-04	0.0	1.38e-06
3033	307	-0.22	0.85	-0.22	-1.37e-04	0.0	1.66e-06
3033	310	-0.23	0.69	-0.23	-1.30e-04	0.0	0.0
3034	44	-1.38	1.15	-0.36	-2.15e-04	0.0	2.05e-05
3034	68	-0.37	2.45	-0.30	-2.45e-04	0.0	1.31e-05
3034	76	-0.49	1.07	-0.40	-2.38e-04	0.0	1.35e-06
3034	116	-12.63	1.93	-0.39	1.56e-04	0.0	-3.85e-04
3034	139	-1.29	12.13	0.08	-6.09e-04	0.0	1.40e-04
3034	140	-5.91	-8.51	-0.59	4.47e-04	0.0	-2.91e-04
3034	148	-14.16	2.05	-0.41	1.92e-04	0.0	-4.34e-04
3034	171	-1.40	13.61	0.12	-6.73e-04	0.0	1.59e-04
3034	172	-6.63	-9.73	-0.63	5.22e-04	0.0	-3.29e-04
3034	180	-14.04	1.89	-0.41	1.96e-04	0.0	-4.35e-04
3034	203	-1.29	13.89	0.13	-6.88e-04	0.0	1.63e-04
3034	204	-6.63	-10.05	-0.64	5.37e-04	0.0	-3.31e-04
3034	212	-16.41	1.98	-0.45	2.56e-04	0.0	-5.15e-04
3034	235	-1.40	16.35	0.20	-7.94e-04	0.0	1.94e-04
3034	236	-7.76	-12.12	-0.72	6.61e-04	0.0	-3.91e-04
3034	264	-0.94	0.80	-0.26	-1.51e-04	0.0	1.41e-05
3034	276	-0.26	1.67	-0.22	-1.71e-04	0.0	9.21e-06
3034	280	-0.34	0.75	-0.28	-1.66e-04	0.0	1.37e-06

3034	298	-0.28	0.80	-0.24	-1.34e-04	0.0	1.37e-06
3034	305	-0.39	0.75	-0.23	-1.27e-04	0.0	3.71e-06
3034	307	-0.26	0.92	-0.22	-1.31e-04	0.0	2.73e-06
3034	310	-0.26	0.76	-0.23	-1.28e-04	0.0	1.65e-06
3035	17	0.07	1.28	-0.15	-2.18e-04	0.0	-6.20e-06
3035	44	-1.45	1.31	-0.06	-2.37e-04	0.0	2.08e-05
3035	68	-0.40	3.04	-0.11	3.38e-04	0.0	2.02e-04
3035	113	12.38	0.13	-0.72	-3.08e-04	0.0	3.90e-04
3035	116	-12.95	1.53	0.54	1.90e-05	0.0	-3.86e-04
3035	139	-1.33	13.10	0.17	-4.01e-04	0.0	2.87e-04
3035	145	13.95	0.07	-0.80	-3.29e-04	0.0	4.39e-04
3035	148	-14.52	1.59	0.62	4.04e-05	0.0	-4.36e-04
3035	171	-1.44	14.70	0.20	-4.35e-04	0.0	3.25e-04
3035	177	13.82	0.22	-0.79	-3.34e-04	0.0	4.45e-04
3035	180	-14.40	1.44	0.61	4.58e-05	0.0	-4.41e-04
3035	203	-1.33	15.02	0.20	-4.43e-04	0.0	3.34e-04
3035	209	16.25	0.21	-0.91	-3.72e-04	0.0	5.29e-04
3035	212	-16.82	1.44	0.73	8.36e-05	0.0	-5.26e-04
3035	235	-1.45	17.69	0.24	-4.99e-04	0.0	3.98e-04
3035	250	0.03	0.89	-0.11	-1.53e-04	0.0	-3.64e-06
3035	264	-0.98	0.92	-0.05	-1.66e-04	0.0	1.44e-05
3035	276	-0.28	2.07	-0.08	2.18e-04	0.0	1.35e-04
3035	303	-0.22	0.83	-0.10	-1.45e-04	0.0	0.0
3035	305	-0.42	0.82	-0.08	-1.44e-04	0.0	3.91e-06
3035	307	-0.28	1.05	-0.09	-6.71e-05	0.0	2.81e-05
3035	310	-0.29	0.83	-0.09	-1.44e-04	0.0	1.83e-06
3036	18	0.04	1.39	-0.17	-2.37e-04	0.0	-2.06e-06
3036	44	-1.44	1.30	-0.11	-2.32e-04	0.0	2.13e-05
3036	68	-0.40	2.94	-0.14	1.95e-04	0.0	2.19e-04
3036	113	12.36	0.02	-0.53	-3.39e-04	0.0	3.89e-04
3036	116	-12.93	1.64	0.31	5.87e-05	0.0	-3.85e-04
3036	139	-1.32	12.92	0.06	-4.75e-04	0.0	2.77e-04
3036	145	13.93	-0.06	-0.58	-3.65e-04	0.0	4.39e-04
3036	148	-14.50	1.71	0.36	8.46e-05	0.0	-4.35e-04
3036	171	-1.43	14.50	0.08	-5.19e-04	0.0	3.14e-04
3036	177	13.81	0.09	-0.57	-3.70e-04	0.0	4.44e-04
3036	180	-14.38	1.56	0.36	8.99e-05	0.0	-4.40e-04
3036	203	-1.32	14.81	0.08	-5.28e-04	0.0	3.24e-04
3036	209	16.23	0.07	-0.65	-4.15e-04	0.0	5.28e-04
3036	212	-16.80	1.59	0.43	1.35e-04	0.0	-5.24e-04
3036	235	-1.44	17.44	0.11	-6.02e-04	0.0	3.85e-04
3036	251	8.94e-03	0.97	-0.13	-1.66e-04	0.0	0.0
3036	264	-0.98	0.91	-0.08	-1.62e-04	0.0	1.48e-05
3036	276	-0.28	2.00	-0.10	1.22e-04	0.0	1.46e-04
3036	303	-0.22	0.83	-0.11	-1.40e-04	0.0	1.04e-06
3036	305	-0.42	0.82	-0.10	-1.40e-04	0.0	4.16e-06
3036	307	-0.28	1.04	-0.11	-8.28e-05	0.0	3.05e-05
3036	310	-0.29	0.83	-0.11	-1.40e-04	0.0	2.08e-06
3037	17	0.05	1.39	-0.15	-2.18e-04	0.0	1.58e-06
3037	44	-1.48	1.43	-0.06	-2.37e-04	0.0	2.60e-05
3037	68	-0.43	2.75	-0.11	4.95e-04	0.0	-7.04e-06
3037	113	12.47	0.23	-0.71	-2.80e-04	0.0	4.00e-04
3037	116	-13.07	1.58	0.53	-9.07e-06	0.0	-3.87e-04
3037	139	-1.33	13.26	0.16	-3.31e-04	0.0	1.83e-04
3037	145	14.05	0.17	-0.79	-2.98e-04	0.0	4.50e-04
3037	148	-14.66	1.64	0.61	8.75e-06	0.0	-4.37e-04
3037	171	-1.44	14.87	0.19	-3.55e-04	0.0	2.07e-04
3037	177	13.93	0.31	-0.78	-3.02e-04	0.0	4.52e-04
3037	180	-14.54	1.49	0.60	1.33e-05	0.0	-4.40e-04
3037	203	-1.33	15.20	0.19	-3.60e-04	0.0	2.13e-04
3037	209	16.37	0.31	-0.90	-3.34e-04	0.0	5.35e-04
3037	212	-16.98	1.49	0.72	4.50e-05	0.0	-5.22e-04
3037	235	-1.44	17.89	0.24	-4.01e-04	0.0	2.53e-04
3037	250	0.01	0.97	-0.11	-1.53e-04	0.0	1.50e-06
3037	264	-1.00	1.00	-0.05	-1.66e-04	0.0	1.78e-05
3037	276	-0.30	1.88	-0.08	3.22e-04	0.0	-4.25e-06
3037	303	-0.24	0.90	-0.10	-1.45e-04	0.0	5.31e-06
3037	305	-0.44	0.89	-0.08	-1.44e-04	0.0	8.48e-06
3037	307	-0.30	1.07	-0.09	-4.65e-05	0.0	4.07e-06
3037	310	-0.30	0.90	-0.09	-1.45e-04	0.0	6.36e-06
3038	18	0.01	1.51	-0.17	-2.37e-04	0.0	2.19e-06
3038	44	-1.48	1.42	-0.11	-2.31e-04	0.0	2.60e-05
3038	68	-0.43	2.74	-0.14	2.77e-04	0.0	6.51e-05
3038	113	12.46	0.10	-0.53	-3.25e-04	0.0	3.99e-04
3038	116	-13.07	1.70	0.31	4.58e-05	0.0	-3.87e-04

3038	139	-1.33	13.14	0.06	-4.47e-04	0.0	1.87e-04
3038	145	14.05	0.02	-0.58	-3.49e-04	0.0	4.49e-04
3038	148	-14.66	1.77	0.36	6.99e-05	0.0	-4.37e-04
3038	171	-1.44	14.74	0.08	-4.87e-04	0.0	2.11e-04
3038	177	13.93	0.17	-0.58	-3.54e-04	0.0	4.52e-04
3038	180	-14.53	1.62	0.36	7.51e-05	0.0	-4.40e-04
3038	203	-1.32	15.06	0.08	-4.96e-04	0.0	2.17e-04
3038	209	16.37	0.15	-0.65	-3.96e-04	0.0	5.34e-04
3038	212	-16.98	1.64	0.44	1.17e-04	0.0	-5.22e-04
3038	235	-1.44	17.73	0.11	-5.64e-04	0.0	2.58e-04
3038	251	-7.70e-03	1.05	-0.13	-1.65e-04	0.0	1.96e-06
3038	264	-1.00	0.99	-0.08	-1.62e-04	0.0	1.78e-05
3038	276	-0.30	1.87	-0.10	1.77e-04	0.0	4.39e-05
3038	303	-0.24	0.90	-0.11	-1.40e-04	0.0	4.90e-06
3038	305	-0.44	0.89	-0.10	-1.39e-04	0.0	8.07e-06
3038	307	-0.30	1.07	-0.11	-7.14e-05	0.0	1.33e-05
3038	310	-0.30	0.90	-0.11	-1.40e-04	0.0	5.95e-06
3039	44	-1.44	1.29	-0.18	-2.26e-04	0.0	2.36e-05
3039	68	-0.40	2.81	-0.18	2.72e-05	0.0	2.27e-04
3039	76	-0.53	1.14	-0.22	-3.36e-04	0.0	-5.89e-05
3039	116	-12.91	1.75	0.06	1.02e-04	0.0	-3.82e-04
3039	118	10.35	-5.91	-0.38	-1.24e-04	0.0	1.43e-04
3039	139	-1.32	12.75	0.03	-5.40e-04	0.0	2.56e-04
3039	148	-14.48	1.85	0.08	1.32e-04	0.0	-4.32e-04
3039	150	11.66	-6.77	-0.41	-1.22e-04	0.0	1.60e-04
3039	171	-1.43	14.31	0.05	-5.94e-04	0.0	2.90e-04
3039	180	-14.36	1.69	0.08	1.37e-04	0.0	-4.36e-04
3039	182	11.47	-6.82	-0.40	-1.19e-04	0.0	1.56e-04
3039	203	-1.32	14.61	0.05	-6.06e-04	0.0	2.99e-04
3039	212	-16.77	1.73	0.11	1.89e-04	0.0	-5.20e-04
3039	214	13.43	-8.19	-0.45	-1.14e-04	0.0	1.83e-04
3039	235	-1.43	17.20	0.08	-6.96e-04	0.0	3.55e-04
3039	264	-0.97	0.90	-0.13	-1.58e-04	0.0	1.63e-05
3039	276	-0.28	1.92	-0.13	1.04e-05	0.0	1.52e-04
3039	280	-0.37	0.80	-0.16	-2.32e-04	0.0	-3.87e-05
3039	298	-0.30	0.87	-0.14	-1.42e-04	0.0	3.04e-06
3039	305	-0.42	0.82	-0.13	-1.35e-04	0.0	5.37e-06
3039	307	-0.28	1.02	-0.13	-1.01e-04	0.0	3.25e-05
3039	310	-0.28	0.83	-0.14	-1.35e-04	0.0	3.29e-06
3040	44	-1.48	1.40	-0.18	-2.25e-04	0.0	2.69e-05
3040	68	-0.43	2.73	-0.18	8.32e-05	0.0	8.08e-05
3040	76	-0.57	1.32	-0.22	-3.51e-04	0.0	-8.50e-06
3040	116	-13.07	1.82	0.06	9.47e-05	0.0	-3.87e-04
3040	118	10.44	-5.96	-0.38	-1.24e-04	0.0	1.84e-04
3040	139	-1.32	13.03	0.03	-5.25e-04	0.0	1.86e-04
3040	148	-14.66	1.91	0.08	1.24e-04	0.0	-4.37e-04
3040	150	11.76	-6.83	-0.41	-1.22e-04	0.0	2.06e-04
3040	171	-1.43	14.62	0.05	-5.77e-04	0.0	2.10e-04
3040	180	-14.53	1.75	0.08	1.29e-04	0.0	-4.39e-04
3040	182	11.57	-6.88	-0.41	-1.18e-04	0.0	2.01e-04
3040	203	-1.32	14.93	0.05	-5.89e-04	0.0	2.17e-04
3040	212	-16.97	1.80	0.11	1.79e-04	0.0	-5.22e-04
3040	214	13.54	-8.28	-0.45	-1.14e-04	0.0	2.34e-04
3040	235	-1.43	17.56	0.08	-6.75e-04	0.0	2.58e-04
3040	264	-1.00	0.98	-0.13	-1.58e-04	0.0	1.85e-05
3040	276	-0.30	1.87	-0.13	4.78e-05	0.0	5.45e-05
3040	280	-0.40	0.93	-0.16	-2.42e-04	0.0	-5.11e-06
3040	298	-0.32	0.94	-0.14	-1.41e-04	0.0	6.73e-06
3040	305	-0.44	0.88	-0.14	-1.34e-04	0.0	8.54e-06
3040	307	-0.30	1.06	-0.14	-9.29e-05	0.0	1.57e-05
3040	310	-0.30	0.89	-0.14	-1.35e-04	0.0	6.43e-06
3041	44	-1.44	1.28	-0.26	-2.21e-04	0.0	2.70e-05
3041	68	-0.40	2.69	-0.23	-1.35e-04	0.0	1.85e-04
3041	76	-0.53	1.17	-0.30	-2.79e-04	0.0	-4.11e-05
3041	116	-12.90	1.88	-0.11	1.35e-04	0.0	-3.80e-04
3041	138	0.74	-10.95	-0.42	3.23e-04	0.0	-2.13e-04
3041	139	-1.31	12.60	0.06	-5.85e-04	0.0	2.24e-04
3041	148	-14.46	1.98	-0.10	1.69e-04	0.0	-4.29e-04
3041	170	0.85	-12.49	-0.45	3.83e-04	0.0	-2.42e-04
3041	171	-1.42	14.13	0.09	-6.45e-04	0.0	2.53e-04
3041	180	-14.34	1.82	-0.11	1.73e-04	0.0	-4.33e-04
3041	202	0.74	-12.78	-0.45	3.97e-04	0.0	-2.50e-04
3041	203	-1.31	14.43	0.10	-6.59e-04	0.0	2.60e-04
3041	212	-16.75	1.89	-0.10	2.30e-04	0.0	-5.15e-04
3041	234	0.86	-15.33	-0.50	4.97e-04	0.0	-2.99e-04

3041	235	-1.43	16.98	0.15	-7.60e-04	0.0	3.09e-04
3041	264	-0.97	0.89	-0.19	-1.55e-04	0.0	1.87e-05
3041	276	-0.28	1.83	-0.17	-9.76e-05	0.0	1.24e-04
3041	280	-0.37	0.82	-0.21	-1.94e-04	0.0	-2.67e-05
3041	298	-0.30	0.87	-0.18	-1.37e-04	0.0	5.30e-06
3041	305	-0.42	0.81	-0.18	-1.31e-04	0.0	7.49e-06
3041	307	-0.28	1.00	-0.17	-1.19e-04	0.0	2.85e-05
3041	310	-0.28	0.82	-0.18	-1.31e-04	0.0	5.40e-06
3042	44	-1.48	1.39	-0.26	-2.22e-04	0.0	2.79e-05
3042	68	-0.43	2.72	-0.23	-1.08e-04	0.0	6.83e-05
3042	76	-0.57	1.32	-0.30	-2.87e-04	0.0	-3.27e-06
3042	116	-13.06	1.95	-0.11	1.31e-04	0.0	-3.86e-04
3042	138	0.71	-11.14	-0.42	3.16e-04	0.0	-1.70e-04
3042	139	-1.32	12.92	0.06	-5.78e-04	0.0	1.84e-04
3042	148	-14.65	2.06	-0.10	1.65e-04	0.0	-4.35e-04
3042	170	0.82	-12.71	-0.45	3.75e-04	0.0	-1.94e-04
3042	171	-1.43	14.49	0.09	-6.37e-04	0.0	2.08e-04
3042	180	-14.53	1.89	-0.11	1.69e-04	0.0	-4.38e-04
3042	202	0.71	-13.02	-0.45	3.89e-04	0.0	-2.00e-04
3042	203	-1.31	14.80	0.10	-6.51e-04	0.0	2.14e-04
3042	212	-16.97	1.96	-0.10	2.25e-04	0.0	-5.20e-04
3042	234	0.82	-15.63	-0.50	4.88e-04	0.0	-2.40e-04
3042	235	-1.42	17.40	0.15	-7.50e-04	0.0	2.54e-04
3042	264	-1.00	0.97	-0.19	-1.56e-04	0.0	1.92e-05
3042	276	-0.30	1.86	-0.17	-7.99e-05	0.0	4.61e-05
3042	280	-0.40	0.92	-0.22	-1.99e-04	0.0	-1.59e-06
3042	298	-0.32	0.94	-0.18	-1.37e-04	0.0	7.36e-06
3042	305	-0.44	0.88	-0.18	-1.30e-04	0.0	9.14e-06
3042	307	-0.29	1.06	-0.17	-1.15e-04	0.0	1.45e-05
3042	310	-0.30	0.89	-0.18	-1.31e-04	0.0	7.02e-06
3043	44	-1.44	1.26	-0.37	-2.20e-04	0.0	2.57e-05
3043	68	-0.40	2.58	-0.31	-2.33e-04	0.0	1.59e-05
3043	76	-0.53	1.19	-0.41	-2.45e-04	0.0	8.87e-06
3043	116	-12.88	2.00	-0.39	1.48e-04	0.0	-3.83e-04
3043	139	-1.31	12.47	0.08	-6.00e-04	0.0	1.53e-04
3043	140	-6.06	-8.68	-0.59	4.33e-04	0.0	-2.96e-04
3043	148	-14.45	2.12	-0.41	1.84e-04	0.0	-4.32e-04
3043	171	-1.42	13.99	0.12	-6.62e-04	0.0	1.73e-04
3043	172	-6.79	-9.94	-0.64	5.06e-04	0.0	-3.35e-04
3043	180	-14.33	1.96	-0.42	1.87e-04	0.0	-4.33e-04
3043	203	-1.31	14.28	0.13	-6.77e-04	0.0	1.78e-04
3043	204	-6.79	-10.27	-0.65	5.20e-04	0.0	-3.38e-04
3043	212	-16.74	2.05	-0.45	2.47e-04	0.0	-5.14e-04
3043	235	-1.42	16.80	0.19	-7.81e-04	0.0	2.11e-04
3043	236	-7.95	-12.39	-0.73	6.43e-04	0.0	-4.01e-04
3043	264	-0.97	0.88	-0.26	-1.54e-04	0.0	1.76e-05
3043	276	-0.28	1.76	-0.22	-1.63e-04	0.0	1.11e-05
3043	280	-0.37	0.83	-0.29	-1.71e-04	0.0	6.43e-06
3043	298	-0.30	0.87	-0.24	-1.34e-04	0.0	5.53e-06
3043	305	-0.42	0.81	-0.23	-1.29e-04	0.0	7.46e-06
3043	307	-0.28	0.98	-0.23	-1.30e-04	0.0	6.16e-06
3043	310	-0.28	0.82	-0.23	-1.29e-04	0.0	5.36e-06
3044	44	-1.48	1.38	-0.37	-1.12e-04	-5.34e-05	3.48e-05
3044	68	-0.42	2.71	-0.32	-1.14e-04	-3.07e-05	2.61e-05
3044	76	-0.57	1.31	-0.42	-1.26e-04	-3.98e-05	1.85e-05
3044	116	-13.06	2.08	-0.40	7.20e-05	-2.26e-04	-3.57e-04
3044	139	-1.32	12.81	0.07	-2.99e-04	-1.55e-05	1.60e-04
3044	140	-6.16	-8.84	-0.59	2.13e-04	-1.33e-04	-2.83e-04
3044	148	-14.65	2.20	-0.42	8.96e-05	-2.51e-04	-4.04e-04
3044	171	-1.43	14.37	0.11	-3.29e-04	-1.44e-05	1.80e-04
3044	172	-6.90	-10.13	-0.64	2.49e-04	-1.47e-04	-3.21e-04
3044	180	-14.52	2.04	-0.42	9.14e-05	-2.50e-04	-4.05e-04
3044	203	-1.31	14.66	0.12	-3.37e-04	-1.16e-05	1.85e-04
3044	204	-6.91	-10.47	-0.65	2.56e-04	-1.49e-04	-3.24e-04
3044	212	-16.96	2.13	-0.46	1.21e-04	-2.90e-04	-4.82e-04
3044	235	-1.42	17.25	0.19	-3.88e-04	-8.37e-06	2.19e-04
3044	236	-8.08	-12.64	-0.73	3.17e-04	-1.72e-04	-3.86e-04
3044	264	-1.00	0.96	-0.27	-7.85e-05	-3.68e-05	2.39e-05
3044	276	-0.30	1.85	-0.23	-8.01e-05	-2.16e-05	1.81e-05
3044	280	-0.39	0.92	-0.29	-8.78e-05	-2.77e-05	1.30e-05
3044	298	-0.32	0.94	-0.25	-6.80e-05	-2.20e-05	1.17e-05
3044	305	-0.43	0.87	-0.24	-6.51e-05	-2.36e-05	1.32e-05
3044	307	-0.29	1.05	-0.23	-6.54e-05	-2.06e-05	1.20e-05
3044	310	-0.30	0.89	-0.24	-6.54e-05	-2.10e-05	1.09e-05
3045	44	-1.07	0.66	-0.33	-2.70e-04	0.0	3.77e-05

3045	68	-0.20	1.90	-0.27	-4.53e-04	0.0	-1.09e-04
3045	76	-0.28	0.53	-0.35	-2.68e-04	0.0	6.64e-05
3045	116	-10.88	1.66	-0.41	-2.31e-04	0.0	-3.16e-04
3045	139	-1.13	10.55	0.04	-8.34e-04	0.0	9.07e-05
3045	144	-4.51	-8.74	-0.54	4.41e-04	0.0	-1.14e-04
3045	148	-12.21	1.78	-0.44	-2.38e-04	0.0	-3.58e-04
3045	171	-1.23	11.86	0.07	-9.20e-04	0.0	1.01e-04
3045	176	-5.06	-9.94	-0.58	5.21e-04	0.0	-1.31e-04
3045	180	-12.10	1.64	-0.45	-2.29e-04	0.0	-3.57e-04
3045	203	-1.15	12.11	0.08	-9.36e-04	0.0	1.02e-04
3045	208	-5.06	-10.21	-0.59	5.38e-04	0.0	-1.31e-04
3045	212	-14.15	1.74	-0.49	-2.33e-04	0.0	-4.24e-04
3045	235	-1.27	14.29	0.14	-1.08e-03	0.0	1.18e-04
3045	240	-5.91	-12.23	-0.66	6.72e-04	0.0	-1.57e-04
3045	264	-0.72	0.46	-0.23	-1.88e-04	0.0	2.59e-05
3045	276	-0.14	1.29	-0.19	-3.10e-04	0.0	-7.16e-05
3045	280	-0.19	0.37	-0.25	-1.87e-04	0.0	4.50e-05
3045	298	-0.16	0.49	-0.21	-1.80e-04	0.0	1.50e-05
3045	305	-0.26	0.45	-0.21	-1.69e-04	0.0	1.61e-05
3045	307	-0.14	0.61	-0.20	-1.93e-04	0.0	-3.41e-06
3045	310	-0.15	0.46	-0.20	-1.69e-04	0.0	1.41e-05
3046	44	-1.13	0.81	-0.34	-2.52e-04	0.0	3.70e-05
3046	68	-0.23	2.13	-0.27	-3.89e-04	0.0	-2.11e-04
3046	76	-0.31	0.67	-0.36	-2.58e-04	0.0	9.54e-05
3046	116	-11.19	1.78	-0.42	-2.11e-04	0.0	-3.50e-04
3046	139	-1.16	10.99	0.04	-7.96e-04	0.0	6.11e-05
3046	144	-4.66	-8.97	-0.55	4.32e-04	0.0	-9.58e-05
3046	148	-12.56	1.91	-0.45	-2.16e-04	0.0	-3.95e-04
3046	171	-1.26	12.35	0.07	-8.80e-04	0.0	6.72e-05
3046	176	-5.23	-10.22	-0.59	5.09e-04	0.0	-1.09e-04
3046	180	-12.45	1.76	-0.45	-2.08e-04	0.0	-3.92e-04
3046	203	-1.17	12.60	0.08	-8.95e-04	0.0	6.49e-05
3046	208	-5.23	-10.49	-0.60	5.25e-04	0.0	-1.06e-04
3046	212	-14.55	1.87	-0.50	-2.11e-04	0.0	-4.65e-04
3046	235	-1.29	14.85	0.14	-1.03e-03	0.0	7.34e-05
3046	240	-6.12	-12.58	-0.67	6.54e-04	0.0	-1.26e-04
3046	264	-0.76	0.56	-0.24	-1.76e-04	0.0	2.55e-05
3046	276	-0.16	1.45	-0.20	-2.67e-04	0.0	-1.40e-04
3046	280	-0.22	0.47	-0.26	-1.80e-04	0.0	6.44e-05
3046	298	-0.18	0.58	-0.22	-1.66e-04	0.0	1.41e-05
3046	305	-0.28	0.54	-0.21	-1.56e-04	0.0	1.53e-05
3046	307	-0.16	0.72	-0.21	-1.74e-04	0.0	-1.77e-05
3046	310	-0.17	0.55	-0.21	-1.57e-04	0.0	1.33e-05
3047	44	-1.19	0.93	-0.34	-2.32e-04	0.0	2.63e-05
3047	68	-0.26	2.32	-0.28	-3.15e-04	0.0	-2.71e-04
3047	76	-0.35	0.80	-0.37	-2.48e-04	0.0	9.69e-05
3047	116	-11.54	1.88	-0.42	-1.87e-04	0.0	-3.82e-04
3047	139	-1.19	11.39	0.04	-7.51e-04	0.0	-1.96e-04
3047	144	-4.83	-9.19	-0.55	4.19e-04	0.0	1.40e-04
3047	148	-12.95	2.01	-0.45	-1.91e-04	0.0	-4.30e-04
3047	171	-1.30	12.80	0.08	-8.30e-04	0.0	-2.21e-04
3047	176	-5.42	-10.48	-0.60	4.92e-04	0.0	1.57e-04
3047	180	-12.84	1.86	-0.45	-1.84e-04	0.0	-4.27e-04
3047	203	-1.20	13.06	0.08	-8.45e-04	0.0	-2.12e-04
3047	208	-5.43	-10.77	-0.61	5.08e-04	0.0	1.50e-04
3047	212	-15.01	1.97	-0.50	-1.85e-04	0.0	-5.04e-04
3047	235	-1.33	15.39	0.14	-9.76e-04	0.0	-2.48e-04
3047	240	-6.34	-12.92	-0.68	6.31e-04	0.0	1.72e-04
3047	264	-0.80	0.65	-0.24	-1.62e-04	0.0	1.81e-05
3047	276	-0.18	1.58	-0.20	-2.18e-04	0.0	-1.80e-04
3047	280	-0.25	0.56	-0.26	-1.73e-04	0.0	6.52e-05
3047	298	-0.20	0.67	-0.22	-1.50e-04	0.0	6.37e-06
3047	305	-0.31	0.62	-0.22	-1.42e-04	0.0	8.18e-06
3047	307	-0.18	0.80	-0.21	-1.53e-04	0.0	-3.15e-05
3047	310	-0.19	0.63	-0.21	-1.42e-04	0.0	6.19e-06
3048	28	-0.77	0.81	-0.35	-3.15e-04	0.0	3.99e-05
3048	44	-1.07	0.64	-0.33	-2.66e-04	0.0	4.09e-05
3048	68	-0.20	1.97	-0.26	-5.38e-04	0.0	-1.57e-04
3048	116	-10.87	1.75	-0.52	-2.49e-04	0.0	-3.14e-04
3048	139	-1.12	10.51	-0.01	-8.68e-04	0.0	8.25e-05
3048	144	-4.50	-8.70	-0.54	4.74e-04	0.0	-1.02e-04
3048	148	-12.20	1.89	-0.56	-2.57e-04	0.0	-3.56e-04
3048	171	-1.23	11.83	0.02	-9.60e-04	0.0	9.12e-05
3048	176	-5.06	-9.91	-0.58	5.58e-04	0.0	-1.17e-04
3048	180	-12.09	1.74	-0.56	-2.48e-04	0.0	-3.54e-04

3048	196	-7.46	-6.23	-0.59	2.93e-04	0.0	-4.56e-04
3048	203	-1.14	12.07	0.02	-9.76e-04	0.0	9.12e-05
3048	212	-14.14	1.87	-0.63	-2.55e-04	0.0	-4.21e-04
3048	228	-8.84	-7.63	-0.67	3.89e-04	0.0	-5.50e-04
3048	235	-1.27	14.24	0.07	-1.13e-03	0.0	1.05e-04
3048	256	-0.52	0.56	-0.25	-2.18e-04	0.0	2.75e-05
3048	264	-0.72	0.45	-0.24	-1.86e-04	0.0	2.81e-05
3048	276	-0.14	1.33	-0.19	-3.67e-04	0.0	-1.04e-04
3048	298	-0.15	0.48	-0.21	-1.77e-04	0.0	1.74e-05
3048	305	-0.26	0.44	-0.21	-1.67e-04	0.0	1.83e-05
3048	307	-0.14	0.62	-0.20	-2.03e-04	0.0	-8.07e-06
3048	310	-0.15	0.45	-0.20	-1.67e-04	0.0	1.63e-05
3049	28	-0.81	0.98	-0.36	-2.98e-04	0.0	3.95e-05
3049	44	-1.12	0.79	-0.34	-2.54e-04	0.0	4.08e-05
3049	68	-0.22	2.28	-0.27	-4.50e-04	0.0	-3.07e-04
3049	116	-11.17	1.88	-0.53	-2.28e-04	0.0	-3.51e-04
3049	139	-1.15	10.98	-9.53e-03	-8.24e-04	0.0	-1.73e-04
3049	144	-4.65	-8.96	-0.55	4.52e-04	0.0	1.42e-04
3049	148	-12.54	2.03	-0.57	-2.36e-04	0.0	-3.96e-04
3049	171	-1.26	12.34	0.02	-9.10e-04	0.0	-1.96e-04
3049	176	-5.22	-10.20	-0.60	5.32e-04	0.0	1.57e-04
3049	180	-12.43	1.87	-0.57	-2.27e-04	0.0	-3.92e-04
3049	196	-7.69	-6.38	-0.61	2.92e-04	0.0	-4.72e-04
3049	203	-1.17	12.59	0.03	-9.26e-04	0.0	-1.87e-04
3049	212	-14.53	2.00	-0.64	-2.32e-04	0.0	-4.65e-04
3049	228	-9.11	-7.83	-0.69	3.86e-04	0.0	-5.67e-04
3049	235	-1.29	14.84	0.07	-1.07e-03	0.0	-2.20e-04
3049	256	-0.55	0.68	-0.26	-2.07e-04	0.0	2.72e-05
3049	264	-0.75	0.55	-0.25	-1.77e-04	0.0	2.81e-05
3049	276	-0.16	1.55	-0.20	-3.08e-04	0.0	-2.04e-04
3049	298	-0.17	0.58	-0.22	-1.68e-04	0.0	1.70e-05
3049	305	-0.28	0.53	-0.21	-1.58e-04	0.0	1.80e-05
3049	307	-0.16	0.73	-0.20	-1.84e-04	0.0	-2.83e-05
3049	310	-0.16	0.54	-0.21	-1.58e-04	0.0	1.60e-05
3050	28	-0.85	1.13	-0.37	-2.75e-04	0.0	2.15e-05
3050	44	-1.16	0.92	-0.35	-2.37e-04	0.0	2.66e-05
3050	68	-0.25	2.52	-0.28	-3.29e-04	0.0	-4.05e-04
3050	116	-11.47	2.01	-0.55	-1.98e-04	0.0	-3.89e-04
3050	139	-1.18	11.41	-8.59e-03	-7.56e-04	0.0	-1.86e-04
3050	144	-4.79	-9.19	-0.57	4.16e-04	0.0	1.27e-04
3050	148	-12.87	2.15	-0.60	-2.03e-04	0.0	-4.38e-04
3050	171	-1.29	12.82	0.02	-8.35e-04	0.0	-2.09e-04
3050	176	-5.38	-10.48	-0.62	4.89e-04	0.0	1.42e-04
3050	180	-12.76	1.99	-0.60	-1.95e-04	0.0	-4.33e-04
3050	196	-7.91	-6.53	-0.63	2.91e-04	0.0	-4.99e-04
3050	203	-1.19	13.07	0.03	-8.50e-04	0.0	-1.96e-04
3050	212	-14.91	2.13	-0.67	-1.98e-04	0.0	-5.11e-04
3050	228	-9.37	-8.03	-0.71	3.82e-04	0.0	-5.97e-04
3050	235	-1.32	15.40	0.08	-9.81e-04	0.0	-2.27e-04
3050	256	-0.58	0.78	-0.26	-1.91e-04	0.0	1.49e-05
3050	264	-0.79	0.64	-0.25	-1.65e-04	0.0	1.83e-05
3050	276	-0.17	1.71	-0.20	-2.27e-04	0.0	-2.69e-04
3050	298	-0.19	0.66	-0.22	-1.53e-04	0.0	6.59e-06
3050	305	-0.30	0.61	-0.22	-1.45e-04	0.0	8.38e-06
3050	307	-0.18	0.83	-0.21	-1.57e-04	0.0	-4.91e-05
3050	310	-0.18	0.62	-0.22	-1.45e-04	0.0	6.39e-06
3051	44	-1.29	1.04	-0.35	-2.19e-04	0.0	1.87e-05
3051	68	-0.32	2.46	-0.28	-2.53e-04	0.0	-2.39e-04
3051	76	-0.43	0.92	-0.37	-2.44e-04	0.0	7.59e-05
3051	116	-12.14	1.97	-0.42	-1.67e-04	0.0	-3.94e-04
3051	139	-1.25	11.76	0.04	-7.10e-04	0.0	4.98e-05
3051	144	-5.13	-9.40	-0.56	4.02e-04	0.0	-1.16e-04
3051	148	-13.62	2.10	-0.45	-1.71e-04	0.0	-4.43e-04
3051	171	-1.36	13.20	0.08	-7.85e-04	0.0	5.60e-05
3051	176	-5.75	-10.73	-0.60	4.72e-04	0.0	-1.31e-04
3051	180	-13.50	1.94	-0.45	-1.64e-04	0.0	-4.40e-04
3051	203	-1.25	13.47	0.08	-7.99e-04	0.0	5.33e-05
3051	208	-5.76	-11.02	-0.61	4.87e-04	0.0	-1.27e-04
3051	212	-15.77	2.06	-0.50	-1.64e-04	0.0	-5.20e-04
3051	235	-1.37	15.86	0.14	-9.25e-04	0.0	6.17e-05
3051	240	-6.72	-13.23	-0.68	6.04e-04	0.0	-1.48e-04
3051	264	-0.87	0.73	-0.25	-1.53e-04	0.0	1.28e-05
3051	276	-0.22	1.67	-0.20	-1.76e-04	0.0	-1.59e-04
3051	280	-0.30	0.65	-0.26	-1.70e-04	0.0	5.09e-05
3051	298	-0.24	0.74	-0.22	-1.39e-04	0.0	1.41e-06

3051	305	-0.35	0.68	-0.22	-1.32e-04	0.0	3.51e-06
3051	307	-0.22	0.87	-0.21	-1.36e-04	0.0	-3.08e-05
3051	310	-0.23	0.69	-0.22	-1.32e-04	0.0	1.48e-06
3052	44	-1.39	1.15	-0.35	-2.13e-04	0.0	1.68e-05
3052	68	-0.37	2.57	-0.28	-2.01e-04	0.0	-2.31e-04
3052	76	-0.50	1.04	-0.37	-2.48e-04	0.0	7.09e-05
3052	116	-12.65	2.05	-0.43	-1.54e-04	0.0	-3.99e-04
3052	139	-1.29	12.10	0.04	-6.75e-04	0.0	5.45e-05
3052	144	-5.39	-9.60	-0.56	3.82e-04	0.0	-1.23e-04
3052	148	-14.19	2.18	-0.45	-1.56e-04	0.0	-4.49e-04
3052	171	-1.39	13.58	0.08	-7.46e-04	0.0	6.15e-05
3052	176	-6.04	-10.95	-0.61	4.48e-04	0.0	-1.39e-04
3052	180	-14.06	2.02	-0.46	-1.50e-04	0.0	-4.46e-04
3052	203	-1.29	13.85	0.08	-7.60e-04	0.0	5.96e-05
3052	208	-6.05	-11.25	-0.62	4.62e-04	0.0	-1.36e-04
3052	212	-16.43	2.13	-0.51	-1.49e-04	0.0	-5.27e-04
3052	235	-1.40	16.30	0.14	-8.79e-04	0.0	6.97e-05
3052	240	-7.06	-13.52	-0.69	5.74e-04	0.0	-1.59e-04
3052	264	-0.94	0.80	-0.25	-1.50e-04	0.0	1.14e-05
3052	276	-0.26	1.75	-0.21	-1.41e-04	0.0	-1.54e-04
3052	280	-0.35	0.73	-0.27	-1.73e-04	0.0	4.75e-05
3052	298	-0.28	0.80	-0.23	-1.32e-04	0.0	0.0
3052	305	-0.39	0.75	-0.22	-1.26e-04	0.0	2.55e-06
3052	307	-0.26	0.93	-0.21	-1.24e-04	0.0	-3.05e-05
3052	310	-0.27	0.76	-0.22	-1.26e-04	0.0	0.0
3053	28	-0.97	1.26	-0.38	-2.53e-04	0.0	1.33e-05
3053	44	-1.29	1.03	-0.36	-2.22e-04	0.0	1.93e-05
3053	68	-0.32	2.60	-0.29	-2.34e-04	0.0	-3.04e-04
3053	116	-12.14	2.09	-0.57	-1.71e-04	0.0	-3.97e-04
3053	139	-1.25	11.75	-7.61e-03	-6.98e-04	0.0	-2.03e-04
3053	144	-5.13	-9.38	-0.59	3.88e-04	0.0	1.37e-04
3053	148	-13.62	2.24	-0.61	-1.74e-04	0.0	-4.47e-04
3053	171	-1.36	13.20	0.02	-7.72e-04	0.0	-2.28e-04
3053	176	-5.75	-10.70	-0.64	4.56e-04	0.0	1.53e-04
3053	180	-13.50	2.08	-0.62	-1.67e-04	0.0	-4.43e-04
3053	196	-8.43	-6.67	-0.65	2.95e-04	0.0	-5.28e-04
3053	203	-1.25	13.46	0.03	-7.86e-04	0.0	-2.19e-04
3053	212	-15.78	2.21	-0.69	-1.68e-04	0.0	-5.22e-04
3053	228	-9.98	-8.22	-0.74	3.84e-04	0.0	-6.31e-04
3053	235	-1.37	15.85	0.08	-9.08e-04	0.0	-2.55e-04
3053	256	-0.66	0.88	-0.27	-1.76e-04	0.0	9.15e-06
3053	264	-0.87	0.72	-0.26	-1.55e-04	0.0	1.32e-05
3053	276	-0.22	1.77	-0.21	-1.64e-04	0.0	-2.02e-04
3053	298	-0.24	0.74	-0.23	-1.40e-04	0.0	2.02e-06
3053	305	-0.35	0.68	-0.23	-1.33e-04	0.0	4.04e-06
3053	307	-0.22	0.89	-0.22	-1.35e-04	0.0	-3.90e-05
3053	310	-0.23	0.69	-0.22	-1.34e-04	0.0	2.01e-06
3054	28	-1.08	1.38	-0.38	-2.38e-04	0.0	1.11e-05
3054	44	-1.41	1.14	-0.36	-2.12e-04	0.0	1.71e-05
3054	68	-0.38	2.73	-0.29	-1.48e-04	0.0	-3.45e-04
3054	116	-12.69	2.17	-0.55	-1.50e-04	0.0	-4.04e-04
3054	139	-1.29	12.10	-4.23e-03	-6.46e-04	0.0	-2.07e-04
3054	144	-5.42	-9.57	-0.59	3.56e-04	0.0	1.36e-04
3054	148	-14.23	2.32	-0.59	-1.52e-04	0.0	-4.54e-04
3054	171	-1.40	13.58	0.02	-7.14e-04	0.0	-2.32e-04
3054	176	-6.07	-10.93	-0.64	4.19e-04	0.0	1.52e-04
3054	180	-14.11	2.16	-0.60	-1.46e-04	0.0	-4.50e-04
3054	203	-1.29	13.85	0.03	-7.26e-04	0.0	-2.23e-04
3054	208	-6.08	-11.23	-0.64	4.33e-04	0.0	1.45e-04
3054	212	-16.48	2.29	-0.67	-1.45e-04	0.0	-5.31e-04
3054	228	-10.49	-8.41	-0.73	3.80e-04	0.0	-6.38e-04
3054	235	-1.40	16.30	0.09	-8.39e-04	0.0	-2.59e-04
3054	256	-0.73	0.96	-0.27	-1.66e-04	0.0	7.61e-06
3054	264	-0.95	0.80	-0.26	-1.49e-04	0.0	1.16e-05
3054	276	-0.27	1.86	-0.21	-1.06e-04	0.0	-2.30e-04
3054	298	-0.29	0.80	-0.23	-1.31e-04	0.0	0.0
3054	305	-0.40	0.74	-0.23	-1.25e-04	0.0	2.90e-06
3054	307	-0.27	0.96	-0.22	-1.17e-04	0.0	-4.54e-05
3054	310	-0.27	0.76	-0.22	-1.26e-04	0.0	0.0
3055	44	-1.44	1.25	-0.35	-2.12e-04	0.0	2.32e-05
3055	68	-0.40	2.65	-0.29	-1.58e-04	0.0	-1.31e-04
3055	76	-0.54	1.17	-0.37	-2.57e-04	0.0	5.05e-05
3055	116	-12.88	2.12	-0.43	-1.45e-04	0.0	-3.87e-04
3055	139	-1.31	12.42	0.04	-6.48e-04	0.0	9.86e-05
3055	144	-5.52	-9.78	-0.57	3.62e-04	0.0	-1.56e-04

3055	148	-14.45	2.25	-0.46	-1.47e-04	0.0	-4.36e-04
3055	171	-1.41	13.94	0.08	-7.16e-04	0.0	1.11e-04
3055	176	-6.18	-11.17	-0.61	4.26e-04	0.0	-1.77e-04
3055	180	-14.32	2.09	-0.46	-1.41e-04	0.0	-4.35e-04
3055	203	-1.30	14.22	0.09	-7.30e-04	0.0	1.13e-04
3055	208	-6.19	-11.48	-0.62	4.39e-04	0.0	-1.78e-04
3055	212	-16.73	2.20	-0.51	-1.40e-04	0.0	-5.15e-04
3055	235	-1.42	16.73	0.14	-8.43e-04	0.0	1.34e-04
3055	240	-7.22	-13.80	-0.69	5.46e-04	0.0	-2.11e-04
3055	264	-0.97	0.88	-0.25	-1.49e-04	0.0	1.57e-05
3055	276	-0.28	1.81	-0.21	-1.13e-04	0.0	-8.70e-05
3055	280	-0.37	0.82	-0.27	-1.79e-04	0.0	3.40e-05
3055	298	-0.30	0.87	-0.23	-1.29e-04	0.0	4.97e-06
3055	305	-0.42	0.81	-0.22	-1.24e-04	0.0	6.71e-06
3055	307	-0.28	0.99	-0.21	-1.17e-04	0.0	-1.38e-05
3055	310	-0.29	0.82	-0.22	-1.24e-04	0.0	4.60e-06
3056	44	-1.48	1.36	-0.35	-2.12e-04	0.0	3.35e-05
3056	68	-0.42	2.70	-0.29	-1.35e-04	0.0	-2.09e-06
3056	76	-0.57	1.30	-0.38	-2.63e-04	0.0	2.69e-05
3056	116	-13.05	2.19	-0.43	-1.42e-04	0.0	-3.71e-04
3056	139	-1.32	12.73	0.04	-6.37e-04	0.0	1.56e-04
3056	144	-5.61	-9.95	-0.57	3.53e-04	0.0	-1.97e-04
3056	148	-14.64	2.32	-0.46	-1.44e-04	0.0	-4.19e-04
3056	171	-1.43	14.28	0.08	-7.04e-04	0.0	1.75e-04
3056	176	-6.29	-11.37	-0.61	4.16e-04	0.0	-2.24e-04
3056	180	-14.52	2.15	-0.47	-1.38e-04	0.0	-4.20e-04
3056	203	-1.31	14.57	0.09	-7.17e-04	0.0	1.80e-04
3056	208	-6.30	-11.68	-0.62	4.29e-04	0.0	-2.28e-04
3056	212	-16.96	2.26	-0.51	-1.36e-04	0.0	-5.00e-04
3056	235	-1.42	17.13	0.14	-8.28e-04	0.0	2.13e-04
3056	240	-7.35	-14.06	-0.70	5.33e-04	0.0	-2.73e-04
3056	264	-1.00	0.95	-0.25	-1.49e-04	0.0	2.29e-05
3056	276	-0.30	1.84	-0.21	-9.77e-05	0.0	0.0
3056	280	-0.39	0.91	-0.27	-1.83e-04	0.0	1.85e-05
3056	298	-0.32	0.93	-0.23	-1.28e-04	0.0	1.18e-05
3056	305	-0.43	0.87	-0.22	-1.23e-04	0.0	1.31e-05
3056	307	-0.29	1.05	-0.21	-1.13e-04	0.0	8.33e-06
3056	310	-0.30	0.88	-0.22	-1.24e-04	0.0	1.09e-05
3057	28	-1.11	1.50	-0.38	-2.30e-04	0.0	2.01e-05
3057	44	-1.44	1.24	-0.36	-2.07e-04	0.0	2.41e-05
3057	68	-0.40	2.74	-0.29	-5.97e-05	0.0	-1.90e-04
3057	116	-12.87	2.23	-0.53	-1.34e-04	0.0	-3.87e-04
3057	139	-1.31	12.39	-2.39e-03	-5.94e-04	0.0	8.47e-05
3057	144	-5.52	-9.73	-0.58	3.18e-04	0.0	-1.42e-04
3057	148	-14.44	2.39	-0.57	-1.35e-04	0.0	-4.37e-04
3057	171	-1.41	13.90	0.03	-6.56e-04	0.0	9.53e-05
3057	176	-6.18	-11.11	-0.63	3.76e-04	0.0	-1.60e-04
3057	180	-14.32	2.22	-0.58	-1.30e-04	0.0	-4.35e-04
3057	203	-1.30	14.18	0.04	-6.68e-04	0.0	9.61e-05
3057	208	-6.19	-11.42	-0.63	3.88e-04	0.0	-1.60e-04
3057	212	-16.73	2.35	-0.64	-1.28e-04	0.0	-5.15e-04
3057	235	-1.41	16.67	0.09	-7.71e-04	0.0	1.13e-04
3057	240	-7.22	-13.73	-0.71	4.85e-04	0.0	-1.90e-04
3057	256	-0.76	1.04	-0.27	-1.61e-04	0.0	1.37e-05
3057	264	-0.98	0.87	-0.26	-1.45e-04	0.0	1.63e-05
3057	276	-0.28	1.87	-0.21	-4.73e-05	0.0	-1.26e-04
3057	298	-0.30	0.86	-0.23	-1.26e-04	0.0	5.97e-06
3057	305	-0.42	0.80	-0.22	-1.21e-04	0.0	7.57e-06
3057	307	-0.28	1.00	-0.22	-1.01e-04	0.0	-2.10e-05
3057	310	-0.29	0.82	-0.22	-1.21e-04	0.0	5.46e-06
3058	28	-1.14	1.61	-0.38	-2.25e-04	0.0	3.54e-05
3058	44	-1.48	1.34	-0.36	-2.03e-04	0.0	3.70e-05
3058	68	-0.42	2.68	-0.29	7.50e-05	0.0	-4.20e-06
3058	116	-13.05	2.29	-0.53	-1.24e-04	0.0	-3.67e-04
3058	139	-1.32	12.65	-1.79e-03	-5.53e-04	0.0	1.55e-04
3058	144	-5.61	-9.87	-0.58	2.86e-04	0.0	-1.91e-04
3058	148	-14.63	2.44	-0.57	-1.24e-04	0.0	-4.15e-04
3058	171	-1.42	14.19	0.03	-6.10e-04	0.0	1.74e-04
3058	176	-6.29	-11.28	-0.62	3.39e-04	0.0	-2.17e-04
3058	180	-14.51	2.27	-0.57	-1.20e-04	0.0	-4.16e-04
3058	203	-1.31	14.47	0.04	-6.21e-04	0.0	1.79e-04
3058	208	-6.30	-11.58	-0.63	3.50e-04	0.0	-2.22e-04
3058	212	-16.95	2.40	-0.64	-1.16e-04	0.0	-4.95e-04
3058	235	-1.42	17.02	0.09	-7.16e-04	0.0	2.10e-04
3058	240	-7.34	-13.94	-0.71	4.39e-04	0.0	-2.66e-04

3058	256	-0.78	1.11	-0.27	-1.57e-04	0.0	2.42e-05
3058	264	-1.00	0.94	-0.26	-1.43e-04	0.0	2.53e-05
3058	276	-0.30	1.83	-0.21	4.25e-05	0.0	-2.18e-06
3058	298	-0.32	0.92	-0.23	-1.23e-04	0.0	1.44e-05
3058	305	-0.43	0.86	-0.22	-1.18e-04	0.0	1.55e-05
3058	307	-0.29	1.04	-0.22	-8.06e-05	0.0	9.99e-06
3058	310	-0.30	0.87	-0.22	-1.18e-04	0.0	1.33e-05
3059	44	-1.06	0.58	-0.22	-2.31e-04	0.0	2.93e-05
3059	68	-0.20	2.50	-0.19	-1.44e-03	0.0	-7.31e-05
3059	76	-0.27	0.26	-0.23	9.03e-05	0.0	4.36e-05
3059	116	-10.86	2.16	-0.12	-3.54e-04	0.0	-3.31e-04
3059	138	0.83	-9.68	-0.27	9.75e-04	0.0	-7.90e-05
3059	139	-1.12	10.53	-0.04	-1.26e-03	0.0	9.73e-05
3059	148	-12.19	2.36	-0.12	-3.78e-04	0.0	-3.74e-04
3059	170	0.94	-11.00	-0.29	1.12e-03	0.0	-9.06e-05
3059	171	-1.23	11.84	-0.02	-1.40e-03	0.0	1.09e-04
3059	180	-12.08	2.20	-0.12	-3.60e-04	0.0	-3.72e-04
3059	202	0.85	-11.22	-0.29	1.14e-03	0.0	-9.15e-05
3059	203	-1.14	12.07	-0.02	-1.42e-03	0.0	1.10e-04
3059	212	-14.12	2.40	-0.11	-3.87e-04	0.0	-4.41e-04
3059	234	0.97	-13.39	-0.31	1.38e-03	0.0	-1.10e-04
3059	235	-1.26	14.24	5.92e-03	-1.66e-03	0.0	1.29e-04
3059	264	-0.72	0.40	-0.16	-1.61e-04	0.0	1.99e-05
3059	276	-0.14	1.69	-0.14	-9.65e-04	0.0	-4.83e-05
3059	280	-0.19	0.19	-0.17	5.27e-05	0.0	2.95e-05
3059	298	-0.15	0.45	-0.16	-1.49e-04	0.0	9.97e-06
3059	305	-0.26	0.41	-0.15	-1.41e-04	0.0	1.12e-05
3059	307	-0.14	0.67	-0.15	-3.02e-04	0.0	-2.41e-06
3059	310	-0.15	0.42	-0.15	-1.42e-04	0.0	9.19e-06
3060	44	-1.06	0.57	-0.22	-2.29e-04	0.0	2.95e-05
3060	68	-0.20	2.53	-0.19	-1.46e-03	0.0	-6.64e-05
3060	76	-0.27	0.25	-0.23	1.01e-04	0.0	4.19e-05
3060	116	-10.85	2.24	-0.21	-3.69e-04	0.0	-3.30e-04
3060	139	-1.12	10.50	-0.05	-1.27e-03	0.0	9.87e-05
3060	144	-4.50	-8.67	-0.28	8.90e-04	0.0	-1.31e-04
3060	148	-12.18	2.44	-0.22	-3.94e-04	0.0	-3.73e-04
3060	171	-1.23	11.82	-0.04	-1.42e-03	0.0	1.10e-04
3060	176	-5.05	-9.87	-0.29	1.02e-03	0.0	-1.49e-04
3060	180	-12.08	2.28	-0.22	-3.75e-04	0.0	-3.71e-04
3060	203	-1.14	12.04	-0.04	-1.44e-03	0.0	1.12e-04
3060	208	-5.05	-10.12	-0.30	1.05e-03	0.0	-1.49e-04
3060	212	-14.12	2.50	-0.24	-4.05e-04	0.0	-4.41e-04
3060	235	-1.26	14.20	-0.01	-1.68e-03	0.0	1.30e-04
3060	240	-5.91	-12.10	-0.32	1.27e-03	0.0	-1.78e-04
3060	264	-0.72	0.40	-0.17	-1.60e-04	0.0	2.01e-05
3060	276	-0.14	1.70	-0.14	-9.83e-04	0.0	-4.39e-05
3060	280	-0.19	0.19	-0.17	5.98e-05	0.0	2.84e-05
3060	298	-0.15	0.45	-0.15	-1.48e-04	0.0	1.01e-05
3060	305	-0.26	0.41	-0.15	-1.40e-04	0.0	1.14e-05
3060	307	-0.14	0.67	-0.15	-3.04e-04	0.0	-1.40e-06
3060	310	-0.15	0.42	-0.15	-1.40e-04	0.0	9.35e-06
3061	44	-1.11	0.70	-0.22	-2.30e-04	0.0	3.49e-05
3061	68	-0.22	3.27	-0.19	-1.08e-03	0.0	-1.53e-04
3061	76	-0.30	0.21	-0.24	-1.49e-05	0.0	7.66e-05
3061	116	-11.16	2.35	-0.12	-3.14e-04	0.0	-3.74e-04
3061	138	0.82	-10.19	-0.27	8.13e-04	0.0	-4.74e-05
3061	139	-1.15	11.19	-0.04	-1.10e-03	0.0	7.36e-05
3061	148	-12.52	2.55	-0.12	-3.33e-04	0.0	-4.22e-04
3061	170	0.93	-11.58	-0.29	9.37e-04	0.0	-5.50e-05
3061	171	-1.25	12.58	-0.02	-1.22e-03	0.0	8.12e-05
3061	180	-12.41	2.38	-0.12	-3.17e-04	0.0	-4.18e-04
3061	202	0.84	-11.82	-0.29	9.56e-04	0.0	-5.11e-05
3061	203	-1.16	12.82	-0.02	-1.24e-03	0.0	7.73e-05
3061	212	-14.51	2.61	-0.11	-3.39e-04	0.0	-4.95e-04
3061	234	0.96	-14.12	-0.32	1.16e-03	0.0	-6.14e-05
3061	235	-1.28	15.12	6.11e-03	-1.44e-03	0.0	8.75e-05
3061	264	-0.75	0.49	-0.17	-1.61e-04	0.0	2.38e-05
3061	276	-0.15	2.21	-0.14	-7.30e-04	0.0	-1.02e-04
3061	280	-0.21	0.17	-0.17	-1.74e-05	0.0	5.15e-05
3061	298	-0.17	0.53	-0.16	-1.49e-04	0.0	1.43e-05
3061	305	-0.28	0.48	-0.16	-1.41e-04	0.0	1.52e-05
3061	307	-0.16	0.83	-0.15	-2.54e-04	0.0	-9.94e-06
3061	310	-0.16	0.50	-0.16	-1.41e-04	0.0	1.31e-05
3062	44	-1.11	0.69	-0.23	-2.29e-04	0.0	3.50e-05
3062	68	-0.22	3.32	-0.19	-1.10e-03	0.0	-1.60e-04

3062	76	-0.30	0.19	-0.24	-6.43e-06	0.0	7.87e-05
3062	116	-11.15	2.43	-0.22	-3.24e-04	0.0	-3.73e-04
3062	139	-1.15	11.18	-0.05	-1.10e-03	0.0	7.73e-05
3062	144	-4.64	-9.14	-0.28	7.36e-04	0.0	-1.10e-04
3062	148	-12.51	2.65	-0.23	-3.44e-04	0.0	-4.21e-04
3062	171	-1.25	12.57	-0.04	-1.23e-03	0.0	8.54e-05
3062	176	-5.21	-10.41	-0.30	8.50e-04	0.0	-1.26e-04
3062	180	-12.40	2.48	-0.23	-3.28e-04	0.0	-4.16e-04
3062	203	-1.16	12.81	-0.04	-1.25e-03	0.0	8.20e-05
3062	208	-5.21	-10.67	-0.30	8.70e-04	0.0	-1.21e-04
3062	212	-14.50	2.71	-0.24	-3.52e-04	0.0	-4.93e-04
3062	235	-1.28	15.10	-0.01	-1.46e-03	0.0	9.33e-05
3062	240	-6.09	-12.78	-0.33	1.06e-03	0.0	-1.44e-04
3062	264	-0.75	0.48	-0.17	-1.60e-04	0.0	2.38e-05
3062	276	-0.15	2.24	-0.15	-7.43e-04	0.0	-1.06e-04
3062	280	-0.21	0.15	-0.17	-1.17e-05	0.0	5.30e-05
3062	298	-0.17	0.53	-0.16	-1.48e-04	0.0	1.44e-05
3062	305	-0.28	0.48	-0.16	-1.39e-04	0.0	1.52e-05
3062	307	-0.16	0.83	-0.15	-2.56e-04	0.0	-1.08e-05
3062	310	-0.16	0.50	-0.16	-1.40e-04	0.0	1.31e-05
3063	44	-1.14	0.82	-0.22	-2.29e-04	0.0	4.09e-05
3063	68	-0.23	3.80	-0.19	-5.34e-04	0.0	-1.66e-04
3063	76	-0.32	0.24	-0.23	-1.77e-04	0.0	8.99e-05
3063	116	-11.37	2.51	-0.10	-2.48e-04	0.0	-4.01e-04
3063	138	0.82	-10.59	-0.27	5.51e-04	0.0	2.53e-04
3063	139	-1.16	11.75	-0.03	-8.31e-04	0.0	-2.19e-04
3063	148	-12.77	2.72	-0.09	-2.60e-04	0.0	-4.52e-04
3063	170	0.93	-12.05	-0.29	6.41e-04	0.0	2.82e-04
3063	171	-1.27	13.20	-0.02	-9.21e-04	0.0	-2.47e-04
3063	180	-12.65	2.55	-0.10	-2.49e-04	0.0	-4.46e-04
3063	202	0.83	-12.30	-0.29	6.55e-04	0.0	2.70e-04
3063	203	-1.18	13.45	-0.02	-9.35e-04	0.0	-2.36e-04
3063	212	-14.79	2.78	-0.09	-2.62e-04	0.0	-5.29e-04
3063	234	0.95	-14.70	-0.32	8.04e-04	0.0	3.11e-04
3063	235	-1.30	15.85	9.38e-03	-1.08e-03	0.0	-2.77e-04
3063	264	-0.77	0.58	-0.16	-1.60e-04	0.0	2.78e-05
3063	276	-0.16	2.56	-0.14	-3.63e-04	0.0	-1.10e-04
3063	280	-0.22	0.19	-0.17	-1.26e-04	0.0	6.05e-05
3063	298	-0.18	0.61	-0.16	-1.47e-04	0.0	1.88e-05
3063	305	-0.29	0.56	-0.15	-1.39e-04	0.0	1.93e-05
3063	307	-0.17	0.96	-0.15	-1.80e-04	0.0	-8.37e-06
3063	310	-0.17	0.58	-0.15	-1.40e-04	0.0	1.71e-05
3064	44	-1.14	0.81	-0.23	-2.28e-04	0.0	4.04e-05
3064	68	-0.23	3.83	-0.20	-5.45e-04	0.0	-2.50e-04
3064	76	-0.33	0.22	-0.24	-1.73e-04	0.0	1.14e-04
3064	116	-11.38	2.59	-0.22	-2.54e-04	0.0	-4.06e-04
3064	139	-1.16	11.73	-0.05	-8.36e-04	0.0	-2.14e-04
3064	144	-4.76	-9.50	-0.29	4.91e-04	0.0	1.81e-04
3064	148	-12.77	2.82	-0.23	-2.66e-04	0.0	-4.58e-04
3064	171	-1.27	13.18	-0.04	-9.26e-04	0.0	-2.42e-04
3064	176	-5.34	-10.82	-0.31	5.74e-04	0.0	2.01e-04
3064	180	-12.66	2.64	-0.23	-2.55e-04	0.0	-4.51e-04
3064	203	-1.18	13.43	-0.04	-9.41e-04	0.0	-2.28e-04
3064	208	-5.34	-11.09	-0.31	5.90e-04	0.0	1.88e-04
3064	212	-14.80	2.89	-0.25	-2.69e-04	0.0	-5.35e-04
3064	235	-1.30	15.82	-0.01	-1.09e-03	0.0	-2.67e-04
3064	240	-6.24	-13.29	-0.34	7.27e-04	0.0	2.14e-04
3064	264	-0.77	0.57	-0.17	-1.59e-04	0.0	2.75e-05
3064	276	-0.16	2.58	-0.15	-3.71e-04	0.0	-1.66e-04
3064	280	-0.23	0.17	-0.18	-1.22e-04	0.0	7.66e-05
3064	298	-0.18	0.60	-0.16	-1.47e-04	0.0	1.84e-05
3064	305	-0.29	0.55	-0.16	-1.39e-04	0.0	1.89e-05
3064	307	-0.17	0.96	-0.16	-1.81e-04	0.0	-1.97e-05
3064	310	-0.18	0.57	-0.16	-1.39e-04	0.0	1.68e-05
3065	44	-1.05	0.53	-0.36	0.0	-1.41e-04	2.57e-04
3065	52	-0.11	0.99	-0.42	0.0	-6.32e-05	2.88e-05
3065	68	-0.08	1.22	-0.39	0.0	-5.17e-05	2.09e-05
3065	123	-6.88	2.74	-0.33	0.0	-1.26e-03	1.25e-04
3065	137	2.06	8.23	-0.54	0.0	3.45e-04	1.04e-05
3065	155	-7.73	3.06	-0.35	0.0	-1.41e-03	1.39e-04
3065	169	2.32	9.28	-0.58	0.0	3.91e-04	9.62e-06
3065	187	-7.61	3.16	-0.35	0.0	-1.39e-03	1.39e-04
3065	193	-0.03	9.50	-0.59	0.0	-1.53e-05	2.82e-04
3065	201	2.25	9.53	-0.59	0.0	3.79e-04	1.36e-05
3065	219	-8.84	3.74	-0.38	0.0	-1.61e-03	1.60e-04

3065	225	-0.03	11.39	-0.67	0.0	-1.30e-05	3.33e-04
3065	264	-0.70	0.37	-0.25	0.0	-9.62e-05	1.73e-04
3065	268	-0.07	0.67	-0.30	0.0	-4.41e-05	2.03e-05
3065	276	-0.05	0.83	-0.27	0.0	-3.64e-05	1.50e-05
3065	298	-0.07	0.30	-0.23	0.0	-3.83e-05	1.92e-05
3065	305	-0.19	0.29	-0.22	0.0	-4.75e-05	4.86e-05
3065	307	-0.06	0.38	-0.23	0.0	-3.55e-05	1.70e-05
3065	310	-0.07	0.28	-0.22	0.0	-3.63e-05	1.82e-05
3066	44	-1.23	0.63	-0.40	0.0	-1.42e-04	2.68e-04
3066	52	-0.15	1.15	-0.49	0.0	-9.22e-05	4.09e-05
3066	68	-0.11	1.39	-0.47	0.0	-7.80e-05	3.18e-05
3066	123	-7.54	3.03	-0.50	0.0	-1.18e-03	6.92e-05
3066	137	2.21	9.09	-1.07	0.0	5.99e-05	2.19e-05
3066	155	-8.46	3.39	-0.54	0.0	-1.32e-03	7.53e-05
3066	169	2.49	10.24	-1.18	0.0	7.37e-05	2.17e-05
3066	187	-8.33	3.50	-0.55	0.0	-1.30e-03	7.84e-05
3066	201	2.41	10.51	-1.20	0.0	7.50e-05	2.41e-05
3066	219	-9.67	4.14	-0.61	0.0	-1.51e-03	9.01e-05
3066	225	-0.14	12.56	-1.39	0.0	-5.87e-05	3.86e-04
3066	264	-0.82	0.44	-0.28	0.0	-9.76e-05	1.80e-04
3066	268	-0.11	0.78	-0.34	0.0	-6.42e-05	2.86e-05
3066	276	-0.08	0.94	-0.33	0.0	-5.47e-05	2.26e-05
3066	298	-0.10	0.36	-0.26	0.0	-5.37e-05	2.55e-05
3066	305	-0.24	0.35	-0.25	0.0	-5.90e-05	5.47e-05
3066	307	-0.09	0.45	-0.26	0.0	-5.04e-05	2.31e-05
3066	310	-0.09	0.34	-0.25	0.0	-5.07e-05	2.41e-05
3067	28	-1.25	1.02	-1.59	-2.48e-04	0.0	1.60e-05
3067	44	-1.59	0.89	-1.41	-2.02e-04	0.0	2.12e-05
3067	68	-0.49	1.93	-1.39	-3.10e-04	0.0	7.74e-06
3067	123	-9.45	3.21	-1.21	-3.70e-04	0.0	7.20e-05
3067	137	0.62	11.97	-0.98	-1.11e-03	0.0	1.82e-04
3067	155	-10.58	3.57	-1.26	-4.01e-04	0.0	8.11e-05
3067	169	0.74	13.47	-1.00	-1.24e-03	0.0	2.05e-04
3067	187	-10.42	3.70	-1.25	-4.11e-04	0.0	8.50e-05
3067	201	0.75	13.82	-1.00	-1.27e-03	0.0	2.01e-04
3067	219	-12.06	4.36	-1.32	-4.67e-04	0.0	1.02e-04
3067	233	0.94	16.35	-1.03	-1.48e-03	0.0	2.35e-04
3067	256	-0.85	0.70	-1.11	-1.73e-04	0.0	1.10e-05
3067	264	-1.08	0.62	-0.99	-1.42e-04	0.0	1.46e-05
3067	276	-0.34	1.31	-0.98	-2.14e-04	0.0	5.56e-06
3067	298	-0.34	0.55	-0.89	-1.48e-04	0.0	3.91e-06
3067	305	-0.47	0.53	-0.86	-1.36e-04	0.0	5.68e-06
3067	307	-0.32	0.67	-0.85	-1.51e-04	0.0	3.88e-06
3067	310	-0.32	0.52	-0.85	-1.41e-04	0.0	3.88e-06
3068	28	-1.39	1.15	-1.59	-2.59e-04	0.0	1.36e-05
3068	44	-1.73	0.99	-1.41	-2.16e-04	0.0	2.05e-05
3068	68	-0.59	2.09	-1.39	-3.12e-04	0.0	6.73e-06
3068	123	-9.75	3.41	-1.21	-3.59e-04	0.0	6.83e-05
3068	137	0.58	12.56	-0.98	-1.06e-03	0.0	1.78e-04
3068	155	-10.91	3.79	-1.25	-3.88e-04	0.0	7.71e-05
3068	169	0.70	14.13	-1.00	-1.18e-03	0.0	1.99e-04
3068	187	-10.75	3.93	-1.25	-3.98e-04	0.0	8.08e-05
3068	201	0.70	14.49	-1.00	-1.20e-03	0.0	1.94e-04
3068	219	-12.43	4.62	-1.32	-4.50e-04	0.0	9.75e-05
3068	233	0.90	17.13	-1.03	-1.40e-03	0.0	2.26e-04
3068	256	-0.95	0.80	-1.11	-1.80e-04	0.0	9.50e-06
3068	264	-1.17	0.69	-0.99	-1.52e-04	0.0	1.41e-05
3068	276	-0.41	1.43	-0.98	-2.16e-04	0.0	4.91e-06
3068	298	-0.41	0.63	-0.89	-1.50e-04	0.0	1.91e-06
3068	305	-0.54	0.60	-0.85	-1.40e-04	0.0	4.11e-06
3068	307	-0.39	0.75	-0.85	-1.53e-04	0.0	2.26e-06
3068	310	-0.39	0.60	-0.85	-1.43e-04	0.0	2.14e-06
3069	28	-1.49	1.29	-1.58	-2.72e-04	0.0	1.34e-05
3069	44	-1.83	1.11	-1.41	-2.34e-04	0.0	2.13e-05
3069	68	-0.67	2.26	-1.39	-3.13e-04	0.0	6.97e-06
3069	123	-10.04	3.61	-1.21	-3.43e-04	0.0	6.63e-05
3069	137	0.55	13.10	-0.98	-9.80e-04	0.0	0.0
3069	155	-11.23	4.00	-1.25	-3.70e-04	0.0	7.50e-05
3069	169	0.68	14.73	-1.00	-1.09e-03	0.0	0.0
3069	187	-11.06	4.14	-1.25	-3.79e-04	0.0	7.85e-05
3069	201	0.68	15.11	-1.00	-1.11e-03	0.0	2.61e-06
3069	219	-12.79	4.86	-1.31	-4.27e-04	0.0	9.49e-05
3069	233	0.88	17.86	-1.04	-1.30e-03	0.0	3.45e-06
3069	256	-1.02	0.89	-1.11	-1.89e-04	0.0	9.44e-06
3069	264	-1.24	0.78	-0.99	-1.64e-04	0.0	1.47e-05

3069	276	-0.47	1.54	-0.98	-2.16e-04	0.0	5.13e-06
3069	298	-0.46	0.72	-0.89	-1.52e-04	0.0	1.37e-06
3069	305	-0.59	0.68	-0.85	-1.44e-04	0.0	3.80e-06
3069	307	-0.43	0.83	-0.85	-1.54e-04	0.0	1.90e-06
3069	310	-0.43	0.67	-0.85	-1.45e-04	0.0	1.72e-06
3070	28	-1.59	1.43	-1.58	-2.83e-04	0.0	1.55e-05
3070	44	-1.93	1.23	-1.41	-2.51e-04	0.0	2.30e-05
3070	68	-0.74	2.42	-1.39	-3.12e-04	0.0	8.89e-06
3070	123	-10.30	3.78	-1.20	-3.26e-04	0.0	6.87e-05
3070	137	0.53	13.57	-0.98	-9.02e-04	0.0	0.0
3070	155	-11.52	4.18	-1.25	-3.50e-04	0.0	7.75e-05
3070	169	0.65	15.25	-1.00	-1.00e-03	0.0	0.0
3070	187	-11.35	4.33	-1.25	-3.58e-04	0.0	8.12e-05
3070	201	0.66	15.64	-1.01	-1.02e-03	0.0	2.29e-06
3070	219	-13.12	5.07	-1.31	-4.02e-04	0.0	9.79e-05
3070	233	0.86	18.48	-1.04	-1.19e-03	0.0	2.78e-06
3070	256	-1.08	0.99	-1.11	-1.96e-04	0.0	1.09e-05
3070	264	-1.31	0.86	-0.99	-1.75e-04	0.0	1.59e-05
3070	276	-0.52	1.65	-0.98	-2.16e-04	0.0	6.48e-06
3070	298	-0.51	0.79	-0.89	-1.53e-04	0.0	2.58e-06
3070	305	-0.63	0.75	-0.85	-1.46e-04	0.0	4.93e-06
3070	307	-0.48	0.91	-0.85	-1.54e-04	0.0	3.05e-06
3070	310	-0.48	0.75	-0.85	-1.45e-04	0.0	2.86e-06
3071	28	-1.69	1.58	-1.59	-2.90e-04	0.0	1.95e-05
3071	44	-2.02	1.37	-1.41	-2.64e-04	0.0	2.55e-05
3071	68	-0.82	2.58	-1.40	-3.08e-04	0.0	1.22e-05
3071	123	-10.56	3.94	-1.20	-3.08e-04	0.0	7.59e-05
3071	137	0.50	13.99	-0.98	-8.30e-04	0.0	2.02e-04
3071	155	-11.81	4.35	-1.25	-3.30e-04	0.0	8.54e-05
3071	169	0.63	15.72	-1.00	-9.19e-04	0.0	2.27e-04
3071	187	-11.63	4.50	-1.24	-3.37e-04	0.0	8.94e-05
3071	201	0.64	16.13	-1.01	-9.39e-04	0.0	2.22e-04
3071	219	-13.44	5.27	-1.31	-3.77e-04	0.0	1.07e-04
3071	233	0.84	19.04	-1.04	-1.09e-03	0.0	2.58e-04
3071	256	-1.15	1.09	-1.11	-2.01e-04	0.0	1.36e-05
3071	264	-1.38	0.95	-0.99	-1.84e-04	0.0	1.76e-05
3071	276	-0.57	1.76	-0.98	-2.13e-04	0.0	8.77e-06
3071	298	-0.55	0.87	-0.89	-1.52e-04	0.0	5.24e-06
3071	305	-0.68	0.82	-0.86	-1.47e-04	0.0	7.23e-06
3071	307	-0.52	0.98	-0.85	-1.53e-04	0.0	5.46e-06
3071	310	-0.52	0.82	-0.85	-1.44e-04	0.0	5.26e-06
3072	28	-1.79	1.72	-1.59	-2.93e-04	0.0	2.48e-05
3072	44	-2.12	1.50	-1.42	-2.72e-04	0.0	2.85e-05
3072	68	-0.90	2.73	-1.40	-3.04e-04	0.0	1.65e-05
3072	123	-10.82	4.08	-1.20	-2.94e-04	0.0	8.77e-05
3072	137	0.47	14.38	-0.99	-7.76e-04	0.0	2.29e-04
3072	155	-12.09	4.51	-1.25	-3.14e-04	0.0	9.83e-05
3072	169	0.60	16.15	-1.01	-8.59e-04	0.0	2.57e-04
3072	187	-11.91	4.66	-1.25	-3.21e-04	0.0	1.03e-04
3072	201	0.61	16.56	-1.01	-8.77e-04	0.0	2.54e-04
3072	219	-13.76	5.45	-1.31	-3.58e-04	0.0	1.23e-04
3072	233	0.82	19.54	-1.05	-1.02e-03	0.0	2.96e-04
3072	256	-1.22	1.19	-1.11	-2.03e-04	0.0	1.72e-05
3072	264	-1.45	1.05	-1.00	-1.89e-04	0.0	1.97e-05
3072	276	-0.63	1.86	-0.99	-2.10e-04	0.0	1.17e-05
3072	298	-0.60	0.94	-0.90	-1.50e-04	0.0	8.91e-06
3072	305	-0.73	0.90	-0.86	-1.47e-04	0.0	1.03e-05
3072	307	-0.57	1.06	-0.86	-1.51e-04	0.0	8.75e-06
3072	310	-0.57	0.89	-0.85	-1.42e-04	0.0	8.54e-06
3073	28	-1.28	1.01	-1.84	-2.54e-04	0.0	6.56e-06
3073	44	-1.61	0.88	-1.63	-2.08e-04	0.0	9.26e-06
3073	68	-0.51	1.92	-1.63	-3.11e-04	0.0	3.75e-06
3073	123	-9.45	3.17	-1.38	-3.75e-04	0.0	7.19e-05
3073	137	0.61	11.93	-1.24	-1.12e-03	0.0	1.87e-04
3073	143	-3.88	11.04	-1.41	-1.05e-03	0.0	1.03e-04
3073	155	-10.59	3.53	-1.43	-4.06e-04	0.0	8.13e-05
3073	169	0.72	13.43	-1.27	-1.25e-03	0.0	2.10e-04
3073	175	-4.32	12.43	-1.46	-1.17e-03	0.0	1.16e-04
3073	187	-10.42	3.66	-1.43	-4.16e-04	0.0	8.53e-05
3073	199	-5.20	12.13	-1.47	-1.15e-03	0.0	3.25e-04
3073	201	0.73	13.78	-1.28	-1.28e-03	0.0	2.07e-04
3073	219	-12.07	4.31	-1.51	-4.73e-04	0.0	1.03e-04
3073	231	-6.01	14.52	-1.57	-1.36e-03	0.0	3.90e-04
3073	233	0.92	16.30	-1.34	-1.50e-03	0.0	2.42e-04
3073	256	-0.87	0.70	-1.29	-1.77e-04	0.0	4.72e-06

3073	264	-1.09	0.61	-1.15	-1.46e-04	0.0	6.52e-06
3073	276	-0.36	1.31	-1.14	-2.15e-04	0.0	2.85e-06
3073	298	-0.36	0.55	-1.04	-1.50e-04	0.0	1.49e-06
3073	305	-0.48	0.52	-0.99	-1.39e-04	0.0	2.29e-06
3073	307	-0.33	0.66	-0.99	-1.53e-04	0.0	1.56e-06
3073	310	-0.34	0.52	-0.99	-1.43e-04	0.0	1.67e-06
3074	28	-1.40	1.15	-1.83	-2.63e-04	0.0	-4.34e-06
3074	44	-1.74	0.99	-1.63	-2.20e-04	0.0	-1.96e-06
3074	68	-0.60	2.09	-1.62	-3.13e-04	0.0	-1.07e-06
3074	123	-9.75	3.38	-1.38	-3.62e-04	0.0	6.69e-05
3074	137	0.57	12.52	-1.23	-1.06e-03	0.0	1.84e-04
3074	143	-4.04	11.60	-1.40	-9.93e-04	0.0	9.58e-05
3074	155	-10.92	3.75	-1.43	-3.91e-04	0.0	7.61e-05
3074	169	0.69	14.09	-1.27	-1.18e-03	0.0	2.07e-04
3074	175	-4.49	13.04	-1.46	-1.10e-03	0.0	1.08e-04
3074	187	-10.75	3.88	-1.42	-4.01e-04	0.0	8.00e-05
3074	199	-5.40	12.74	-1.47	-1.09e-03	0.0	3.23e-04
3074	201	0.70	14.45	-1.28	-1.21e-03	0.0	2.04e-04
3074	219	-12.44	4.57	-1.50	-4.54e-04	0.0	9.76e-05
3074	231	-6.24	15.24	-1.56	-1.28e-03	0.0	3.89e-04
3074	233	0.89	17.09	-1.34	-1.41e-03	0.0	2.39e-04
3074	256	-0.95	0.79	-1.28	-1.83e-04	0.0	-2.59e-06
3074	264	-1.18	0.69	-1.14	-1.55e-04	0.0	0.0
3074	276	-0.42	1.42	-1.14	-2.17e-04	0.0	0.0
3074	298	-0.42	0.63	-1.03	-1.52e-04	0.0	-2.98e-06
3074	305	-0.54	0.60	-0.99	-1.42e-04	0.0	-2.52e-06
3074	307	-0.39	0.75	-0.99	-1.54e-04	0.0	-2.40e-06
3074	310	-0.39	0.60	-0.98	-1.44e-04	0.0	-2.32e-06
3075	28	-1.50	1.29	-1.83	-2.73e-04	0.0	-7.90e-06
3075	44	-1.83	1.11	-1.62	-2.36e-04	0.0	-5.87e-06
3075	68	-0.67	2.26	-1.62	-3.13e-04	0.0	-1.58e-06
3075	123	-10.04	3.57	-1.37	-3.43e-04	0.0	6.49e-05
3075	137	0.55	13.07	-1.23	-9.78e-04	0.0	1.88e-04
3075	143	-4.18	12.11	-1.40	-9.15e-04	0.0	9.51e-05
3075	155	-11.23	3.96	-1.42	-3.70e-04	0.0	7.40e-05
3075	169	0.67	14.70	-1.27	-1.09e-03	0.0	2.12e-04
3075	175	-4.64	13.61	-1.46	-1.02e-03	0.0	1.07e-04
3075	187	-11.06	4.10	-1.42	-3.78e-04	0.0	7.79e-05
3075	199	-5.58	13.30	-1.47	-1.00e-03	0.0	3.28e-04
3075	201	0.68	15.08	-1.28	-1.11e-03	0.0	2.08e-04
3075	219	-12.79	4.81	-1.50	-4.26e-04	0.0	9.52e-05
3075	231	-6.44	15.90	-1.56	-1.18e-03	0.0	3.94e-04
3075	233	0.88	17.81	-1.34	-1.29e-03	0.0	2.44e-04
3075	256	-1.02	0.89	-1.28	-1.90e-04	0.0	-4.90e-06
3075	264	-1.24	0.77	-1.14	-1.65e-04	0.0	-3.55e-06
3075	276	-0.47	1.54	-1.14	-2.17e-04	0.0	0.0
3075	298	-0.46	0.72	-1.03	-1.53e-04	0.0	-4.14e-06
3075	305	-0.59	0.68	-0.99	-1.44e-04	0.0	-3.90e-06
3075	307	-0.43	0.83	-0.98	-1.55e-04	0.0	-3.33e-06
3075	310	-0.44	0.67	-0.98	-1.45e-04	0.0	-3.27e-06
3076	28	-1.59	1.43	-1.83	-2.80e-04	0.0	-3.21e-06
3076	44	-1.93	1.23	-1.62	-2.49e-04	0.0	-1.77e-06
3076	68	-0.74	2.42	-1.62	-3.10e-04	0.0	2.56e-06
3076	123	-10.30	3.74	-1.37	-3.22e-04	0.0	6.89e-05
3076	137	0.53	13.54	-1.23	-8.90e-04	0.0	1.99e-04
3076	143	-4.31	12.55	-1.40	-8.34e-04	0.0	1.03e-04
3076	155	-11.52	4.14	-1.42	-3.45e-04	0.0	7.83e-05
3076	169	0.65	15.22	-1.27	-9.88e-04	0.0	2.24e-04
3076	175	-4.78	14.10	-1.45	-9.24e-04	0.0	1.16e-04
3076	187	-11.35	4.28	-1.42	-3.53e-04	0.0	8.23e-05
3076	199	-5.75	13.78	-1.46	-9.11e-04	0.0	3.41e-04
3076	201	0.66	15.61	-1.28	-1.01e-03	0.0	2.20e-04
3076	219	-13.12	5.02	-1.50	-3.96e-04	0.0	1.00e-04
3076	231	-6.63	16.46	-1.56	-1.07e-03	0.0	4.10e-04
3076	233	0.86	18.43	-1.33	-1.17e-03	0.0	2.57e-04
3076	256	-1.08	0.99	-1.28	-1.94e-04	0.0	-1.64e-06
3076	264	-1.31	0.86	-1.14	-1.74e-04	0.0	0.0
3076	276	-0.52	1.65	-1.14	-2.15e-04	0.0	2.21e-06
3076	298	-0.51	0.79	-1.03	-1.52e-04	0.0	-1.57e-06
3076	305	-0.63	0.75	-0.98	-1.45e-04	0.0	-1.45e-06
3076	307	-0.48	0.91	-0.98	-1.53e-04	0.0	0.0
3076	310	-0.48	0.75	-0.98	-1.44e-04	0.0	0.0
3077	28	-1.68	1.57	-1.83	-2.83e-04	0.0	5.84e-06
3077	44	-2.02	1.36	-1.62	-2.57e-04	0.0	6.85e-06
3077	68	-0.81	2.57	-1.62	-3.04e-04	0.0	8.22e-06

3077	123	-10.56	3.90	-1.37	-3.00e-04	0.0	7.69e-05
3077	137	0.51	13.95	-1.23	-8.08e-04	0.0	2.15e-04
3077	143	-4.44	12.94	-1.40	-7.58e-04	0.0	1.17e-04
3077	155	-11.81	4.31	-1.42	-3.21e-04	0.0	8.68e-05
3077	169	0.63	15.68	-1.27	-8.95e-04	0.0	2.42e-04
3077	175	-4.92	14.53	-1.45	-8.39e-04	0.0	1.31e-04
3077	187	-11.63	4.45	-1.42	-3.28e-04	0.0	9.10e-05
3077	199	-5.92	14.20	-1.46	-8.27e-04	0.0	3.63e-04
3077	201	0.64	16.08	-1.28	-9.14e-04	0.0	2.38e-04
3077	219	-13.44	5.21	-1.49	-3.67e-04	0.0	1.10e-04
3077	231	-6.82	16.95	-1.56	-9.67e-04	0.0	4.35e-04
3077	233	0.84	18.98	-1.33	-1.06e-03	0.0	2.79e-04
3077	256	-1.15	1.09	-1.28	-1.96e-04	0.0	4.50e-06
3077	264	-1.37	0.95	-1.14	-1.79e-04	0.0	5.16e-06
3077	276	-0.57	1.76	-1.14	-2.11e-04	0.0	6.08e-06
3077	298	-0.55	0.87	-1.03	-1.49e-04	0.0	2.66e-06
3077	305	-0.68	0.82	-0.98	-1.44e-04	0.0	2.82e-06
3077	307	-0.52	0.98	-0.98	-1.50e-04	0.0	3.01e-06
3077	310	-0.52	0.82	-0.98	-1.41e-04	0.0	2.99e-06
3078	28	-1.78	1.71	-1.83	-2.82e-04	0.0	1.74e-05
3078	44	-2.12	1.49	-1.62	-2.61e-04	0.0	1.84e-05
3078	68	-0.90	2.72	-1.62	-2.98e-04	0.0	1.43e-05
3078	123	-10.82	4.04	-1.37	-2.83e-04	0.0	8.79e-05
3078	137	0.48	14.32	-1.23	-7.47e-04	0.0	2.37e-04
3078	143	-4.57	13.29	-1.40	-7.01e-04	0.0	1.37e-04
3078	155	-12.09	4.46	-1.42	-3.02e-04	0.0	9.87e-05
3078	169	0.61	16.09	-1.27	-8.27e-04	0.0	2.66e-04
3078	175	-5.07	14.92	-1.45	-7.75e-04	0.0	1.54e-04
3078	187	-11.91	4.61	-1.42	-3.09e-04	0.0	1.03e-04
3078	199	-6.09	14.58	-1.46	-7.64e-04	0.0	3.91e-04
3078	201	0.61	16.50	-1.28	-8.44e-04	0.0	2.64e-04
3078	219	-13.76	5.38	-1.49	-3.44e-04	0.0	1.24e-04
3078	231	-7.02	17.40	-1.56	-8.93e-04	0.0	4.68e-04
3078	233	0.82	19.46	-1.34	-9.78e-04	0.0	3.09e-04
3078	256	-1.22	1.19	-1.28	-1.95e-04	0.0	1.23e-05
3078	264	-1.44	1.04	-1.14	-1.81e-04	0.0	1.29e-05
3078	276	-0.63	1.86	-1.14	-2.06e-04	0.0	1.02e-05
3078	298	-0.60	0.94	-1.03	-1.45e-04	0.0	7.59e-06
3078	305	-0.73	0.89	-0.98	-1.42e-04	0.0	8.02e-06
3078	307	-0.57	1.06	-0.98	-1.47e-04	0.0	7.48e-06
3078	310	-0.57	0.89	-0.98	-1.38e-04	0.0	7.38e-06
3079	44	-1.64	0.87	-1.79	-2.22e-04	0.0	-1.19e-05
3079	52	-0.65	1.64	-2.03	-3.26e-04	0.0	-1.86e-05
3079	68	-0.54	1.92	-1.80	-3.18e-04	0.0	-1.50e-05
3079	123	-9.47	3.14	-1.51	-3.80e-04	0.0	6.40e-05
3079	137	0.58	11.89	-1.46	-1.13e-03	0.0	1.88e-04
3079	143	-3.90	11.00	-1.63	-1.05e-03	0.0	1.04e-04
3079	155	-10.60	3.49	-1.56	-4.11e-04	0.0	7.39e-05
3079	169	0.70	13.38	-1.51	-1.26e-03	0.0	2.13e-04
3079	175	-4.34	12.38	-1.71	-1.17e-03	0.0	1.19e-04
3079	187	-10.44	3.61	-1.56	-4.21e-04	0.0	7.81e-05
3079	201	0.71	13.73	-1.53	-1.29e-03	0.0	2.11e-04
3079	207	-4.24	12.70	-1.72	-1.20e-03	0.0	1.19e-04
3079	219	-12.08	4.26	-1.65	-4.77e-04	0.0	9.67e-05
3079	233	0.89	16.23	-1.61	-1.50e-03	0.0	2.50e-04
3079	239	-4.86	15.02	-1.83	-1.40e-03	0.0	1.42e-04
3079	264	-1.11	0.61	-1.26	-1.56e-04	0.0	-8.13e-06
3079	268	-0.45	1.12	-1.42	-2.25e-04	0.0	-1.26e-05
3079	276	-0.38	1.31	-1.27	-2.20e-04	0.0	-1.02e-05
3079	298	-0.38	0.55	-1.14	-1.56e-04	0.0	-1.06e-05
3079	305	-0.50	0.52	-1.09	-1.45e-04	0.0	-9.52e-06
3079	307	-0.35	0.66	-1.09	-1.58e-04	0.0	-9.93e-06
3079	310	-0.36	0.52	-1.08	-1.48e-04	0.0	-9.68e-06
3080	44	-1.74	0.99	-1.79	-2.29e-04	0.0	-2.94e-05
3080	52	-0.74	1.81	-2.02	-3.24e-04	0.0	-3.10e-05
3080	68	-0.61	2.09	-1.80	-3.17e-04	0.0	-2.45e-05
3080	123	-9.76	3.34	-1.51	-3.64e-04	0.0	5.74e-05
3080	137	0.56	12.49	-1.46	-1.06e-03	0.0	1.92e-04
3080	143	-4.04	11.56	-1.63	-9.95e-04	0.0	1.03e-04
3080	155	-10.92	3.71	-1.56	-3.93e-04	0.0	6.73e-05
3080	169	0.68	14.05	-1.51	-1.19e-03	0.0	2.18e-04
3080	175	-4.49	13.00	-1.70	-1.11e-03	0.0	1.18e-04
3080	187	-10.75	3.84	-1.56	-4.03e-04	0.0	7.16e-05
3080	201	0.69	14.41	-1.52	-1.21e-03	0.0	2.17e-04
3080	207	-4.39	13.34	-1.71	-1.13e-03	0.0	1.18e-04

3080	219	-12.44	4.52	-1.65	-4.56e-04	0.0	9.03e-05
3080	233	0.88	17.03	-1.61	-1.41e-03	0.0	2.58e-04
3080	239	-5.03	15.76	-1.83	-1.32e-03	0.0	1.42e-04
3080	264	-1.18	0.69	-1.26	-1.61e-04	0.0	-1.99e-05
3080	268	-0.51	1.24	-1.41	-2.24e-04	0.0	-2.10e-05
3080	276	-0.43	1.43	-1.26	-2.19e-04	0.0	-1.66e-05
3080	298	-0.43	0.64	-1.13	-1.55e-04	0.0	-1.80e-05
3080	305	-0.55	0.60	-1.09	-1.45e-04	0.0	-1.73e-05
3080	307	-0.40	0.75	-1.09	-1.57e-04	0.0	-1.66e-05
3080	310	-0.40	0.60	-1.08	-1.47e-04	0.0	-1.63e-05
3081	44	-1.84	1.12	-1.79	-2.36e-04	0.0	-2.62e-05
3081	52	-0.80	1.98	-2.02	-3.18e-04	0.0	-2.37e-05
3081	68	-0.68	2.26	-1.79	-3.12e-04	0.0	-1.74e-05
3081	123	-10.04	3.53	-1.50	-3.41e-04	0.0	6.23e-05
3081	137	0.55	13.03	-1.46	-9.73e-04	0.0	2.04e-04
3081	143	-4.18	12.07	-1.63	-9.10e-04	0.0	1.11e-04
3081	155	-11.23	3.92	-1.56	-3.67e-04	0.0	7.23e-05
3081	169	0.67	14.66	-1.51	-1.08e-03	0.0	2.31e-04
3081	175	-4.64	13.57	-1.70	-1.01e-03	0.0	1.26e-04
3081	187	-11.06	4.05	-1.56	-3.75e-04	0.0	7.67e-05
3081	201	0.68	15.03	-1.52	-1.11e-03	0.0	2.29e-04
3081	207	-4.54	13.92	-1.71	-1.03e-03	0.0	1.26e-04
3081	219	-12.79	4.76	-1.64	-4.23e-04	0.0	9.58e-05
3081	233	0.87	17.76	-1.61	-1.29e-03	0.0	2.71e-04
3081	239	-5.19	16.44	-1.83	-1.20e-03	0.0	1.51e-04
3081	264	-1.25	0.78	-1.26	-1.65e-04	0.0	-1.74e-05
3081	268	-0.56	1.36	-1.41	-2.20e-04	0.0	-1.57e-05
3081	276	-0.47	1.54	-1.26	-2.16e-04	0.0	-1.15e-05
3081	298	-0.47	0.72	-1.13	-1.52e-04	0.0	-1.40e-05
3081	305	-0.59	0.68	-1.08	-1.44e-04	0.0	-1.39e-05
3081	307	-0.44	0.83	-1.08	-1.54e-04	0.0	-1.28e-05
3081	310	-0.44	0.68	-1.08	-1.44e-04	0.0	-1.24e-05
3082	44	-1.93	1.24	-1.78	-2.42e-04	0.0	-9.10e-06
3082	52	-0.88	2.14	-2.01	-3.11e-04	0.0	-4.81e-06
3082	68	-0.74	2.42	-1.79	-3.05e-04	0.0	0.0
3082	123	-10.30	3.70	-1.50	-3.16e-04	0.0	7.56e-05
3082	137	0.53	13.49	-1.45	-8.79e-04	0.0	2.20e-04
3082	143	-4.31	12.50	-1.63	-8.23e-04	0.0	1.25e-04
3082	155	-11.52	4.09	-1.56	-3.39e-04	0.0	8.61e-05
3082	169	0.65	15.17	-1.50	-9.76e-04	0.0	2.48e-04
3082	175	-4.78	14.05	-1.70	-9.13e-04	0.0	1.41e-04
3082	187	-11.35	4.24	-1.56	-3.47e-04	0.0	9.06e-05
3082	201	0.66	15.55	-1.52	-9.97e-04	0.0	2.46e-04
3082	207	-4.68	14.41	-1.71	-9.32e-04	0.0	1.41e-04
3082	219	-13.12	4.96	-1.64	-3.89e-04	0.0	1.10e-04
3082	233	0.86	18.36	-1.61	-1.16e-03	0.0	2.89e-04
3082	239	-5.35	17.00	-1.83	-1.08e-03	0.0	1.67e-04
3082	264	-1.31	0.86	-1.25	-1.69e-04	0.0	-5.43e-06
3082	268	-0.61	1.47	-1.41	-2.15e-04	0.0	-2.57e-06
3082	276	-0.52	1.65	-1.26	-2.11e-04	0.0	0.0
3082	298	-0.51	0.79	-1.13	-1.48e-04	0.0	-3.53e-06
3082	305	-0.63	0.75	-1.08	-1.42e-04	0.0	-3.88e-06
3082	307	-0.48	0.91	-1.08	-1.50e-04	0.0	-2.79e-06
3082	310	-0.48	0.75	-1.08	-1.41e-04	0.0	-2.38e-06
3083	44	-2.02	1.36	-1.78	-2.46e-04	0.0	1.08e-05
3083	52	-0.96	2.30	-2.01	-3.03e-04	0.0	1.37e-05
3083	68	-0.81	2.57	-1.79	-2.98e-04	0.0	1.47e-05
3083	123	-10.56	3.85	-1.50	-2.93e-04	0.0	8.81e-05
3083	137	0.51	13.90	-1.45	-7.93e-04	0.0	2.36e-04
3083	143	-4.44	12.88	-1.63	-7.44e-04	0.0	1.39e-04
3083	155	-11.81	4.26	-1.56	-3.13e-04	0.0	9.90e-05
3083	169	0.64	15.62	-1.50	-8.79e-04	0.0	2.65e-04
3083	175	-4.92	14.47	-1.70	-8.23e-04	0.0	1.56e-04
3083	187	-11.63	4.40	-1.56	-3.20e-04	0.0	1.04e-04
3083	201	0.64	16.01	-1.52	-8.98e-04	0.0	2.63e-04
3083	207	-4.82	14.84	-1.71	-8.40e-04	0.0	1.56e-04
3083	219	-13.44	5.15	-1.64	-3.58e-04	0.0	1.24e-04
3083	233	0.85	18.90	-1.61	-1.04e-03	0.0	3.08e-04
3083	239	-5.51	17.51	-1.83	-9.74e-04	0.0	1.83e-04
3083	264	-1.37	0.95	-1.25	-1.72e-04	0.0	8.25e-06
3083	268	-0.66	1.57	-1.41	-2.09e-04	0.0	1.02e-05
3083	276	-0.57	1.75	-1.26	-2.06e-04	0.0	1.09e-05
3083	298	-0.55	0.87	-1.13	-1.44e-04	0.0	6.87e-06
3083	305	-0.68	0.82	-1.08	-1.39e-04	0.0	6.47e-06
3083	307	-0.52	0.98	-1.08	-1.46e-04	0.0	6.99e-06

3083	310	-0.52	0.82	-1.07	-1.37e-04	0.0	7.30e-06
3084	44	-2.11	1.49	-1.78	-2.46e-04	0.0	2.67e-05
3084	52	-1.04	2.45	-2.01	-2.94e-04	0.0	2.53e-05
3084	68	-0.89	2.72	-1.79	-2.91e-04	0.0	2.38e-05
3084	123	-10.82	3.99	-1.50	-2.74e-04	0.0	9.61e-05
3084	137	0.48	14.26	-1.45	-7.29e-04	0.0	2.51e-04
3084	143	-4.57	13.23	-1.63	-6.84e-04	0.0	1.51e-04
3084	155	-12.10	4.41	-1.56	-2.93e-04	0.0	1.07e-04
3084	169	0.61	16.02	-1.50	-8.07e-04	0.0	2.81e-04
3084	175	-5.07	14.85	-1.70	-7.56e-04	0.0	1.69e-04
3084	187	-11.91	4.55	-1.56	-2.99e-04	0.0	1.12e-04
3084	201	0.62	16.43	-1.52	-8.24e-04	0.0	2.79e-04
3084	207	-4.96	15.23	-1.71	-7.72e-04	0.0	1.69e-04
3084	219	-13.76	5.32	-1.64	-3.33e-04	0.0	1.33e-04
3084	233	0.82	19.38	-1.60	-9.55e-04	0.0	3.26e-04
3084	239	-5.66	17.96	-1.83	-8.93e-04	0.0	1.98e-04
3084	264	-1.44	1.04	-1.25	-1.72e-04	0.0	1.89e-05
3084	268	-0.72	1.68	-1.41	-2.04e-04	0.0	1.80e-05
3084	276	-0.62	1.86	-1.26	-2.01e-04	0.0	1.70e-05
3084	298	-0.60	0.94	-1.13	-1.40e-04	0.0	1.35e-05
3084	305	-0.73	0.89	-1.08	-1.36e-04	0.0	1.35e-05
3084	307	-0.56	1.05	-1.08	-1.42e-04	0.0	1.31e-05
3084	310	-0.57	0.89	-1.07	-1.33e-04	0.0	1.32e-05
3085	44	-1.69	0.88	-1.90	-2.48e-04	0.0	-6.65e-05
3085	52	-0.72	1.65	-2.16	-3.49e-04	0.0	-8.16e-05
3085	68	-0.59	1.93	-1.92	-3.37e-04	0.0	-6.87e-05
3085	123	-9.49	3.10	-1.60	-3.88e-04	0.0	3.14e-05
3085	137	0.55	11.85	-1.65	-1.13e-03	0.0	1.77e-04
3085	139	-3.28	10.26	-1.83	-9.97e-04	0.0	1.46e-05
3085	155	-10.62	3.45	-1.66	-4.18e-04	0.0	4.13e-05
3085	169	0.66	13.34	-1.72	-1.26e-03	0.0	2.05e-04
3085	171	-3.63	11.54	-1.92	-1.11e-03	0.0	2.24e-05
3085	187	-10.46	3.57	-1.66	-4.28e-04	0.0	4.57e-05
3085	201	0.67	13.67	-1.74	-1.28e-03	0.0	2.04e-04
3085	203	-3.54	11.85	-1.94	-1.13e-03	0.0	2.44e-05
3085	219	-12.10	4.21	-1.76	-4.84e-04	0.0	6.47e-05
3085	233	0.85	16.17	-1.85	-1.50e-03	0.0	2.49e-04
3085	235	-4.05	14.00	-2.09	-1.32e-03	0.0	3.78e-05
3085	264	-1.15	0.61	-1.33	-1.73e-04	0.0	-4.61e-05
3085	268	-0.50	1.12	-1.51	-2.41e-04	0.0	-5.62e-05
3085	276	-0.41	1.31	-1.35	-2.33e-04	0.0	-4.76e-05
3085	298	-0.42	0.56	-1.20	-1.69e-04	0.0	-4.61e-05
3085	305	-0.53	0.53	-1.15	-1.58e-04	0.0	-4.30e-05
3085	307	-0.39	0.67	-1.15	-1.70e-04	0.0	-4.33e-05
3085	310	-0.39	0.53	-1.14	-1.60e-04	0.0	-4.30e-05
3086	44	-1.75	1.02	-1.90	-2.37e-04	0.0	-7.28e-05
3086	52	-0.75	1.83	-2.16	-3.29e-04	0.0	-8.21e-05
3086	68	-0.62	2.11	-1.92	-3.20e-04	0.0	-6.83e-05
3086	123	-9.76	3.31	-1.61	-3.64e-04	0.0	3.36e-05
3086	137	0.56	12.44	-1.65	-1.06e-03	0.0	2.00e-04
3086	139	-3.38	10.79	-1.83	-9.35e-04	0.0	3.00e-05
3086	155	-10.92	3.67	-1.66	-3.92e-04	0.0	4.39e-05
3086	169	0.67	14.00	-1.72	-1.18e-03	0.0	2.31e-04
3086	171	-3.74	12.13	-1.92	-1.04e-03	0.0	3.99e-05
3086	187	-10.76	3.80	-1.66	-4.02e-04	0.0	4.86e-05
3086	201	0.68	14.35	-1.74	-1.20e-03	0.0	2.31e-04
3086	203	-3.65	12.45	-1.94	-1.06e-03	0.0	4.28e-05
3086	219	-12.44	4.47	-1.76	-4.54e-04	0.0	6.84e-05
3086	233	0.87	16.96	-1.85	-1.40e-03	0.0	2.81e-04
3086	235	-4.17	14.70	-2.09	-1.23e-03	0.0	5.98e-05
3086	264	-1.19	0.71	-1.34	-1.66e-04	0.0	-5.01e-05
3086	268	-0.52	1.25	-1.51	-2.27e-04	0.0	-5.63e-05
3086	276	-0.44	1.44	-1.35	-2.21e-04	0.0	-4.71e-05
3086	298	-0.43	0.65	-1.20	-1.58e-04	0.0	-4.64e-05
3086	305	-0.56	0.61	-1.15	-1.48e-04	0.0	-4.41e-05
3086	307	-0.40	0.76	-1.15	-1.59e-04	0.0	-4.35e-05
3086	310	-0.41	0.61	-1.15	-1.50e-04	0.0	-4.29e-05
3087	44	-1.84	1.14	-1.90	-2.25e-04	0.0	-4.44e-05
3087	52	-0.81	2.00	-2.16	-3.05e-04	0.0	-4.69e-05
3087	68	-0.68	2.28	-1.92	-2.99e-04	0.0	-3.76e-05
3087	123	-10.04	3.50	-1.61	-3.31e-04	0.0	5.93e-05
3087	137	0.55	12.99	-1.65	-9.62e-04	0.0	2.24e-04
3087	139	-3.50	11.26	-1.83	-8.50e-04	0.0	5.13e-05
3087	155	-11.23	3.87	-1.66	-3.57e-04	0.0	7.05e-05
3087	169	0.67	14.60	-1.72	-1.07e-03	0.0	2.56e-04

3087	171	-3.87	12.66	-1.92	-9.43e-04	0.0	6.15e-05
3087	187	-11.06	4.01	-1.67	-3.66e-04	0.0	7.54e-05
3087	201	0.67	14.97	-1.74	-1.09e-03	0.0	2.56e-04
3087	203	-3.77	12.99	-1.94	-9.64e-04	0.0	6.44e-05
3087	219	-12.79	4.70	-1.76	-4.13e-04	0.0	9.66e-05
3087	233	0.87	17.68	-1.85	-1.27e-03	0.0	3.06e-04
3087	235	-4.31	15.33	-2.09	-1.12e-03	0.0	8.18e-05
3087	264	-1.25	0.79	-1.34	-1.57e-04	0.0	-3.00e-05
3087	268	-0.56	1.37	-1.51	-2.10e-04	0.0	-3.16e-05
3087	276	-0.47	1.55	-1.35	-2.07e-04	0.0	-2.55e-05
3087	298	-0.47	0.73	-1.20	-1.45e-04	0.0	-2.65e-05
3087	305	-0.59	0.69	-1.15	-1.37e-04	0.0	-2.56e-05
3087	307	-0.44	0.84	-1.15	-1.47e-04	0.0	-2.47e-05
3087	310	-0.44	0.69	-1.15	-1.37e-04	0.0	-2.39e-05
3088	44	-1.92	1.24	-1.90	-2.23e-04	0.0	-4.62e-06
3088	52	-0.88	2.15	-2.16	-2.91e-04	0.0	-3.28e-06
3088	68	-0.74	2.42	-1.92	-2.88e-04	0.0	0.0
3088	123	-10.30	3.66	-1.61	-3.04e-04	0.0	8.52e-05
3088	137	0.53	13.44	-1.65	-8.67e-04	0.0	2.43e-04
3088	139	-3.61	11.66	-1.83	-7.67e-04	0.0	6.72e-05
3088	155	-11.52	4.04	-1.66	-3.27e-04	0.0	9.67e-05
3088	169	0.65	15.10	-1.72	-9.63e-04	0.0	2.74e-04
3088	171	-3.99	13.10	-1.92	-8.51e-04	0.0	7.64e-05
3088	187	-11.35	4.18	-1.67	-3.34e-04	0.0	1.02e-04
3088	201	0.66	15.48	-1.74	-9.84e-04	0.0	2.73e-04
3088	203	-3.89	13.44	-1.94	-8.69e-04	0.0	7.87e-05
3088	219	-13.12	4.90	-1.76	-3.76e-04	0.0	1.24e-04
3088	233	0.86	18.28	-1.85	-1.15e-03	0.0	3.22e-04
3088	235	-4.44	15.85	-2.09	-1.01e-03	0.0	9.43e-05
3088	264	-1.31	0.87	-1.34	-1.56e-04	0.0	-2.14e-06
3088	268	-0.61	1.47	-1.51	-2.01e-04	0.0	-1.25e-06
3088	276	-0.52	1.65	-1.35	-1.99e-04	0.0	1.11e-06
3088	298	-0.51	0.80	-1.20	-1.37e-04	0.0	-2.00e-06
3088	305	-0.63	0.75	-1.15	-1.31e-04	0.0	-2.16e-06
3088	307	-0.48	0.91	-1.15	-1.40e-04	0.0	-1.51e-06
3088	310	-0.48	0.75	-1.15	-1.30e-04	0.0	0.0
3089	44	-2.01	1.35	-1.90	-2.29e-04	0.0	3.74e-05
3089	52	-0.95	2.29	-2.16	-2.88e-04	0.0	3.91e-05
3089	68	-0.81	2.56	-1.92	-2.86e-04	0.0	3.75e-05
3089	123	-10.57	3.80	-1.61	-2.84e-04	0.0	1.09e-04
3089	137	0.51	13.84	-1.65	-7.84e-04	0.0	2.61e-04
3089	139	-3.73	12.02	-1.83	-6.96e-04	0.0	8.33e-05
3089	155	-11.81	4.20	-1.67	-3.05e-04	0.0	1.20e-04
3089	169	0.64	15.55	-1.72	-8.70e-04	0.0	2.91e-04
3089	171	-4.12	13.49	-1.92	-7.71e-04	0.0	9.17e-05
3089	187	-11.63	4.34	-1.67	-3.11e-04	0.0	1.26e-04
3089	201	0.64	15.94	-1.74	-8.89e-04	0.0	2.90e-04
3089	203	-4.02	13.85	-1.94	-7.87e-04	0.0	9.34e-05
3089	219	-13.45	5.08	-1.76	-3.49e-04	0.0	1.48e-04
3089	233	0.85	18.81	-1.85	-1.03e-03	0.0	3.38e-04
3089	235	-4.58	16.32	-2.09	-9.11e-04	0.0	1.08e-04
3089	264	-1.37	0.94	-1.34	-1.60e-04	0.0	2.71e-05
3089	268	-0.66	1.57	-1.51	-1.99e-04	0.0	2.82e-05
3089	276	-0.56	1.75	-1.35	-1.98e-04	0.0	2.71e-05
3089	298	-0.55	0.86	-1.20	-1.36e-04	0.0	2.14e-05
3089	305	-0.68	0.82	-1.15	-1.31e-04	0.0	2.07e-05
3089	307	-0.52	0.98	-1.15	-1.38e-04	0.0	2.08e-05
3089	310	-0.52	0.81	-1.15	-1.29e-04	0.0	2.15e-05
3090	44	-2.10	1.47	-1.91	-2.34e-04	0.0	6.78e-05
3090	52	-1.03	2.43	-2.16	-2.87e-04	0.0	6.69e-05
3090	68	-0.88	2.70	-1.92	-2.86e-04	0.0	6.19e-05
3090	123	-10.83	3.94	-1.61	-2.69e-04	0.0	1.22e-04
3090	137	0.49	14.20	-1.65	-7.23e-04	0.0	2.76e-04
3090	139	-3.85	12.34	-1.84	-6.43e-04	0.0	9.19e-05
3090	155	-12.10	4.35	-1.67	-2.88e-04	0.0	1.34e-04
3090	169	0.62	15.95	-1.72	-8.01e-04	0.0	3.06e-04
3090	171	-4.25	13.85	-1.93	-7.11e-04	0.0	9.95e-05
3090	187	-11.92	4.49	-1.67	-2.94e-04	0.0	1.39e-04
3090	201	0.62	16.35	-1.74	-8.17e-04	0.0	3.05e-04
3090	203	-4.14	14.21	-1.94	-7.25e-04	0.0	1.01e-04
3090	219	-13.77	5.25	-1.76	-3.28e-04	0.0	1.61e-04
3090	233	0.83	19.28	-1.85	-9.48e-04	0.0	3.53e-04
3090	235	-4.72	16.74	-2.09	-8.38e-04	0.0	1.14e-04
3090	264	-1.43	1.03	-1.34	-1.64e-04	0.0	4.80e-05
3090	268	-0.72	1.67	-1.51	-1.99e-04	0.0	4.74e-05

3090	276	-0.61	1.85	-1.35	-1.98e-04	0.0	4.40e-05
3090	298	-0.59	0.93	-1.21	-1.35e-04	0.0	3.64e-05
3090	305	-0.72	0.88	-1.15	-1.31e-04	0.0	3.59e-05
3090	307	-0.56	1.05	-1.16	-1.38e-04	0.0	3.51e-05
3090	310	-0.56	0.88	-1.15	-1.29e-04	0.0	3.55e-05
3091	44	-1.79	0.93	-1.94	-2.88e-04	0.0	-2.02e-04
3091	52	-0.85	1.71	-2.20	-3.90e-04	0.0	-2.38e-04
3091	68	-0.70	1.98	-1.97	-3.71e-04	0.0	-2.01e-04
3091	123	-9.54	3.76	-1.66	-3.99e-04	0.0	-7.83e-05
3091	137	0.47	11.82	-1.80	-1.13e-03	0.0	1.31e-04
3091	139	-3.35	10.22	-1.99	-9.94e-04	0.0	-4.74e-05
3091	155	-10.67	4.18	-1.72	-4.28e-04	0.0	-7.16e-05
3091	169	0.58	13.30	-1.88	-1.25e-03	0.0	1.63e-04
3091	171	-3.70	11.50	-2.10	-1.10e-03	0.0	-3.66e-05
3091	187	-10.51	4.31	-1.72	-4.38e-04	0.0	-6.67e-05
3091	201	0.59	13.63	-1.90	-1.28e-03	0.0	1.65e-04
3091	203	-3.61	11.80	-2.12	-1.12e-03	0.0	-3.29e-05
3091	219	-12.15	5.07	-1.82	-4.92e-04	0.0	-5.22e-05
3091	233	0.78	16.11	-2.05	-1.48e-03	0.0	2.18e-04
3091	235	-4.11	13.94	-2.30	-1.30e-03	0.0	-1.42e-05
3091	264	-1.22	0.65	-1.36	-2.01e-04	0.0	-1.40e-04
3091	268	-0.59	1.16	-1.54	-2.69e-04	0.0	-1.64e-04
3091	276	-0.49	1.35	-1.38	-2.56e-04	0.0	-1.40e-04
3091	298	-0.49	0.59	-1.22	-1.92e-04	0.0	-1.34e-04
3091	305	-0.60	0.56	-1.17	-1.80e-04	0.0	-1.26e-04
3091	307	-0.46	0.70	-1.17	-1.91e-04	0.0	-1.26e-04
3091	310	-0.46	0.56	-1.16	-1.81e-04	0.0	-1.26e-04
3092	44	-1.77	1.07	-1.97	-2.29e-04	0.0	-1.17e-04
3092	52	-0.76	1.89	-2.25	-3.17e-04	0.0	-1.35e-04
3092	68	-0.64	2.16	-2.00	-3.09e-04	0.0	-1.13e-04
3092	123	-9.77	3.98	-1.68	-3.53e-04	0.0	1.48e-05
3092	137	0.55	12.40	-1.82	-1.04e-03	0.0	2.10e-04
3092	139	-3.39	10.73	-2.02	-9.17e-04	0.0	3.99e-05
3092	155	-10.93	4.43	-1.75	-3.80e-04	0.0	2.64e-05
3092	169	0.67	13.94	-1.90	-1.16e-03	0.0	2.46e-04
3092	171	-3.75	12.06	-2.12	-1.02e-03	0.0	5.48e-05
3092	187	-10.77	4.56	-1.75	-3.90e-04	0.0	3.16e-05
3092	201	0.67	14.29	-1.92	-1.18e-03	0.0	2.48e-04
3092	203	-3.66	12.39	-2.14	-1.04e-03	0.0	5.95e-05
3092	219	-12.45	5.35	-1.85	-4.40e-04	0.0	5.37e-05
3092	233	0.86	16.88	-2.07	-1.38e-03	0.0	3.06e-04
3092	235	-4.18	14.62	-2.32	-1.21e-03	0.0	8.51e-05
3092	264	-1.20	0.74	-1.39	-1.60e-04	0.0	-8.06e-05
3092	268	-0.53	1.29	-1.57	-2.19e-04	0.0	-9.28e-05
3092	276	-0.44	1.47	-1.41	-2.13e-04	0.0	-7.84e-05
3092	298	-0.44	0.68	-1.25	-1.51e-04	0.0	-7.59e-05
3092	305	-0.56	0.65	-1.19	-1.42e-04	0.0	-7.18e-05
3092	307	-0.41	0.79	-1.20	-1.53e-04	0.0	-7.14e-05
3092	310	-0.42	0.64	-1.19	-1.43e-04	0.0	-7.07e-05
3093	44	-1.84	1.16	-2.00	-1.90e-04	0.0	-5.29e-05
3093	52	-0.81	2.03	-2.27	-2.65e-04	0.0	-5.99e-05
3093	68	-0.68	2.30	-2.03	-2.65e-04	0.0	-4.95e-05
3093	123	-10.04	3.46	-1.70	-3.08e-04	0.0	6.32e-05
3093	137	0.54	12.92	-1.83	-9.44e-04	0.0	2.53e-04
3093	139	-3.50	11.20	-2.03	-8.32e-04	0.0	8.21e-05
3093	155	-11.24	3.83	-1.77	-3.33e-04	0.0	7.58e-05
3093	169	0.67	14.53	-1.91	-1.05e-03	0.0	2.90e-04
3093	171	-3.87	12.58	-2.14	-9.26e-04	0.0	9.72e-05
3093	187	-11.07	3.96	-1.77	-3.42e-04	0.0	8.13e-05
3093	201	0.67	14.89	-1.93	-1.08e-03	0.0	2.92e-04
3093	203	-3.77	12.91	-2.15	-9.46e-04	0.0	1.02e-04
3093	219	-12.80	4.64	-1.87	-3.88e-04	0.0	1.05e-04
3093	233	0.87	17.58	-2.07	-1.26e-03	0.0	3.51e-04
3093	235	-4.31	15.23	-2.33	-1.10e-03	0.0	1.28e-04
3093	264	-1.25	0.81	-1.40	-1.33e-04	0.0	-3.59e-05
3093	268	-0.56	1.39	-1.59	-1.83e-04	0.0	-4.06e-05
3093	276	-0.48	1.57	-1.42	-1.82e-04	0.0	-3.37e-05
3093	298	-0.47	0.74	-1.26	-1.22e-04	0.0	-3.31e-05
3093	305	-0.59	0.70	-1.21	-1.16e-04	0.0	-3.16e-05
3093	307	-0.44	0.86	-1.21	-1.26e-04	0.0	-3.12e-05
3093	310	-0.44	0.70	-1.20	-1.16e-04	0.0	-3.01e-05
3094	44	-1.92	1.24	-2.01	-1.81e-04	0.0	0.0
3094	52	-0.88	2.15	-2.29	-2.47e-04	0.0	-2.29e-06
3094	68	-0.74	2.42	-2.04	-2.49e-04	0.0	0.0
3094	123	-10.30	3.61	-1.71	-2.80e-04	0.0	9.13e-05

3094	137	0.53	13.37	-1.83	-8.54e-04	0.0	2.59e-04
3094	139	-3.61	11.59	-2.03	-7.54e-04	0.0	8.52e-05
3094	155	-11.52	3.99	-1.78	-3.03e-04	0.0	1.03e-04
3094	169	0.65	15.02	-1.92	-9.52e-04	0.0	2.92e-04
3094	171	-3.99	13.02	-2.14	-8.39e-04	0.0	9.65e-05
3094	187	-11.35	4.13	-1.78	-3.10e-04	0.0	1.09e-04
3094	201	0.66	15.40	-1.94	-9.73e-04	0.0	2.92e-04
3094	203	-3.89	13.36	-2.16	-8.57e-04	0.0	9.96e-05
3094	219	-13.12	4.83	-1.88	-3.52e-04	0.0	1.32e-04
3094	233	0.86	18.18	-2.08	-1.14e-03	0.0	3.45e-04
3094	235	-4.44	15.75	-2.34	-9.99e-04	0.0	1.19e-04
3094	264	-1.31	0.87	-1.41	-1.27e-04	0.0	1.13e-06
3094	268	-0.61	1.47	-1.60	-1.70e-04	0.0	0.0
3094	276	-0.52	1.65	-1.43	-1.72e-04	0.0	0.0
3094	298	-0.51	0.80	-1.27	-1.13e-04	0.0	0.0
3094	305	-0.63	0.75	-1.21	-1.07e-04	0.0	0.0
3094	307	-0.48	0.91	-1.22	-1.16e-04	0.0	0.0
3094	310	-0.48	0.75	-1.21	-1.07e-04	0.0	1.03e-06
3095	44	-2.01	1.33	-2.02	-1.98e-04	0.0	6.83e-05
3095	52	-0.95	2.26	-2.30	-2.57e-04	0.0	6.76e-05
3095	68	-0.80	2.53	-2.05	-2.59e-04	0.0	6.22e-05
3095	123	-10.56	3.74	-1.72	-2.69e-04	0.0	1.23e-04
3095	137	0.51	13.76	-1.84	-7.78e-04	0.0	2.69e-04
3095	139	-3.73	11.93	-2.04	-6.88e-04	0.0	9.40e-05
3095	155	-11.81	4.14	-1.78	-2.90e-04	0.0	1.34e-04
3095	169	0.64	15.46	-1.92	-8.65e-04	0.0	2.99e-04
3095	171	-4.12	13.40	-2.15	-7.64e-04	0.0	1.02e-04
3095	187	-11.63	4.28	-1.78	-2.96e-04	0.0	1.39e-04
3095	201	0.64	15.85	-1.94	-8.84e-04	0.0	2.97e-04
3095	203	-4.02	13.75	-2.17	-7.80e-04	0.0	1.03e-04
3095	219	-13.44	5.00	-1.89	-3.34e-04	0.0	1.61e-04
3095	233	0.85	18.70	-2.08	-1.03e-03	0.0	3.43e-04
3095	235	-4.58	16.22	-2.34	-9.06e-04	0.0	1.15e-04
3095	264	-1.37	0.92	-1.42	-1.39e-04	0.0	4.88e-05
3095	268	-0.66	1.54	-1.61	-1.78e-04	0.0	4.84e-05
3095	276	-0.56	1.73	-1.44	-1.79e-04	0.0	4.48e-05
3095	298	-0.55	0.85	-1.28	-1.19e-04	0.0	3.81e-05
3095	305	-0.68	0.80	-1.22	-1.14e-04	0.0	3.72e-05
3095	307	-0.51	0.96	-1.22	-1.22e-04	0.0	3.64e-05
3095	310	-0.52	0.80	-1.21	-1.13e-04	0.0	3.78e-05
3096	44	-2.08	1.43	-2.04	-2.32e-04	0.0	1.69e-04
3096	52	-1.01	2.39	-2.32	-2.87e-04	0.0	1.71e-04
3096	68	-0.86	2.66	-2.07	-2.87e-04	0.0	1.58e-04
3096	123	-10.83	3.87	-1.72	-2.71e-04	0.0	2.33e-04
3096	137	0.50	14.12	-1.85	-7.29e-04	0.0	3.31e-04
3096	139	-3.84	12.25	-2.05	-6.48e-04	0.0	1.62e-04
3096	155	-12.11	4.27	-1.79	-2.90e-04	0.0	2.51e-04
3096	169	0.63	15.86	-1.93	-8.08e-04	0.0	3.62e-04
3096	171	-4.24	13.75	-2.15	-7.16e-04	0.0	1.71e-04
3096	187	-11.92	4.42	-1.79	-2.96e-04	0.0	2.53e-04
3096	201	0.64	16.26	-1.95	-8.24e-04	0.0	3.61e-04
3096	203	-4.14	14.12	-2.17	-7.30e-04	0.0	1.73e-04
3096	219	-13.78	5.16	-1.89	-3.31e-04	0.0	2.84e-04
3096	233	0.85	19.18	-2.09	-9.56e-04	0.0	4.09e-04
3096	235	-4.71	16.63	-2.35	-8.44e-04	0.0	1.89e-04
3096	264	-1.42	1.00	-1.43	-1.63e-04	0.0	1.20e-04
3096	268	-0.70	1.63	-1.62	-1.99e-04	0.0	1.20e-04
3096	276	-0.60	1.82	-1.45	-1.99e-04	0.0	1.12e-04
3096	298	-0.58	0.91	-1.28	-1.36e-04	0.0	9.25e-05
3096	305	-0.71	0.86	-1.23	-1.31e-04	0.0	9.10e-05
3096	307	-0.55	1.02	-1.23	-1.38e-04	0.0	8.95e-05
3096	310	-0.55	0.86	-1.22	-1.30e-04	0.0	9.02e-05
3097	1	0.0	0.0	0.0	0.0	0.0	0.0
3097	113	0.0	0.0	0.0	0.0	0.0	0.0
3097	145	0.0	0.0	0.0	0.0	0.0	0.0
3097	177	0.0	0.0	0.0	0.0	0.0	0.0
3097	209	0.0	0.0	0.0	0.0	0.0	0.0
3097	241	0.0	0.0	0.0	0.0	0.0	0.0
3097	297	0.0	0.0	0.0	0.0	0.0	0.0
3097	309	0.0	0.0	0.0	0.0	0.0	0.0
3098	18	-0.27	1.62	-0.17	0.0	-8.06e-04	1.75e-05
3098	44	-2.07	1.81	-0.11	0.0	1.12e-03	1.37e-04
3098	68	-0.86	2.99	-0.11	0.0	-1.64e-04	5.81e-05
3098	123	-10.91	4.71	0.14	0.0	6.67e-05	1.01e-04
3098	129	0.19	15.76	0.21	0.0	-1.71e-04	4.66e-04

3098	134	4.11	-12.51	-0.51	0.0	-1.00e-04	-2.81e-04
3098	155	-12.20	5.21	0.18	0.0	8.77e-05	1.10e-04
3098	161	0.28	17.72	0.25	0.0	-1.78e-04	5.22e-04
3098	166	4.69	-14.31	-0.57	0.0	-1.01e-04	-3.22e-04
3098	187	-12.01	5.38	0.18	0.0	8.50e-05	1.14e-04
3098	193	0.28	18.36	0.27	0.0	-1.71e-04	5.29e-04
3098	198	4.59	-14.91	-0.58	0.0	-1.05e-04	-3.32e-04
3098	219	-13.87	6.29	0.23	0.0	1.15e-04	1.31e-04
3098	225	0.42	21.92	0.34	0.0	-1.82e-04	6.24e-04
3098	230	5.42	-18.19	-0.67	0.0	-1.06e-04	-4.06e-04
3098	251	-0.21	1.13	-0.13	0.0	-5.43e-04	1.36e-05
3098	264	-1.41	1.26	-0.09	0.0	7.44e-04	9.35e-05
3098	276	-0.60	2.04	-0.09	0.0	-1.15e-04	4.07e-05
3098	303	-0.46	1.02	-0.11	0.0	-1.86e-04	2.98e-05
3098	305	-0.70	1.05	-0.11	0.0	7.09e-05	4.58e-05
3098	307	-0.54	1.20	-0.11	0.0	-1.01e-04	3.53e-05
3098	310	-0.54	1.03	-0.11	0.0	-1.01e-04	3.52e-05
3099	41	-0.49	0.08	-0.07	-8.67e-05	0.0	1.30e-05
3099	44	-0.50	0.15	-0.06	-1.64e-04	0.0	1.65e-05
3099	68	-0.02	1.38	-0.02	-1.39e-03	0.0	1.04e-04
3099	116	-5.83	-2.89	-0.42	7.64e-04	0.0	-1.79e-04
3099	137	2.54	6.14	0.16	-1.88e-03	0.0	1.12e-04
3099	148	-6.55	-3.27	-0.47	8.76e-04	0.0	-2.02e-04
3099	169	2.86	6.93	0.18	-2.11e-03	0.0	1.26e-04
3099	180	-6.49	-3.33	-0.46	8.92e-04	0.0	-2.01e-04
3099	201	2.85	7.09	0.18	-2.16e-03	0.0	1.24e-04
3099	212	-7.59	-3.98	-0.54	1.08e-03	0.0	-2.38e-04
3099	233	3.36	8.41	0.22	-2.55e-03	0.0	1.45e-04
3099	261	-0.33	0.06	-0.05	-6.28e-05	0.0	8.91e-06
3099	264	-0.33	0.11	-0.04	-1.14e-04	0.0	1.12e-05
3099	276	-0.01	0.93	-0.02	-9.34e-04	0.0	6.94e-05
3099	304	-0.07	0.06	-0.03	-6.41e-05	0.0	4.00e-06
3099	305	-0.08	0.09	-0.03	-1.02e-04	0.0	5.67e-06
3099	307	-0.01	0.26	-0.02	-2.66e-04	0.0	1.73e-05
3099	309	-9.94e-03	0.06	-0.03	-6.44e-05	0.0	2.77e-06
3099	310	-0.01	0.09	-0.02	-1.03e-04	0.0	4.44e-06
3100	41	-0.51	0.12	-0.07	-8.67e-05	0.0	1.36e-05
3100	44	-0.52	0.24	-0.06	-1.64e-04	0.0	1.70e-05
3100	68	-0.03	2.12	-0.02	-1.39e-03	0.0	1.08e-04
3100	116	-6.09	-3.30	-0.39	7.62e-04	-1.83e-06	-2.02e-04
3100	137	2.65	7.14	0.14	-1.87e-03	-3.51e-06	-7.00e-06
3100	148	-6.85	-3.74	-0.44	8.73e-04	-2.06e-06	-2.27e-04
3100	169	2.98	8.05	0.16	-2.10e-03	-3.96e-06	-8.11e-06
3100	180	-6.78	-3.80	-0.43	8.89e-04	-2.01e-06	-2.25e-04
3100	201	2.98	8.24	0.16	-2.15e-03	-4.00e-06	-3.81e-06
3100	212	-7.94	-4.56	-0.50	1.08e-03	-2.33e-06	-2.65e-04
3100	233	3.50	9.77	0.20	-2.54e-03	-4.76e-06	-3.82e-06
3100	261	-0.34	0.09	-0.05	-6.28e-05	0.0	9.29e-06
3100	264	-0.35	0.17	-0.04	-1.14e-04	0.0	1.16e-05
3100	276	-0.02	1.42	-0.02	-9.28e-04	0.0	7.24e-05
3100	304	-0.08	0.09	-0.03	-6.41e-05	0.0	4.07e-06
3100	305	-0.09	0.15	-0.03	-1.02e-04	0.0	5.70e-06
3100	307	-0.02	0.40	-0.02	-2.65e-04	0.0	1.79e-05
3100	309	-0.02	0.09	-0.03	-6.44e-05	0.0	2.76e-06
3100	310	-0.02	0.15	-0.02	-1.03e-04	0.0	4.40e-06
3101	16	0.22	0.09	-0.07	-1.02e-04	0.0	0.0
3101	44	-0.50	0.12	-2.95e-03	-1.61e-04	0.0	1.64e-05
3101	68	-0.02	1.25	-0.04	-1.18e-03	0.0	5.36e-05
3101	113	5.81	-0.26	-0.47	-1.93e-06	0.0	1.89e-04
3101	116	-5.84	0.43	0.40	-2.04e-04	0.0	-1.80e-04
3101	139	-0.63	6.00	0.01	-1.85e-03	0.0	9.40e-05
3101	145	6.54	-0.29	-0.52	7.32e-06	0.0	2.12e-04
3101	148	-6.57	0.47	0.46	-2.13e-04	0.0	-2.03e-04
3101	171	-0.69	6.77	0.02	-2.08e-03	0.0	1.06e-04
3101	177	6.47	-0.22	-0.52	-1.32e-05	0.0	2.13e-04
3101	180	-6.50	0.39	0.45	-1.92e-04	0.0	-2.04e-04
3101	203	-0.65	6.93	0.02	-2.12e-03	0.0	1.09e-04
3101	209	7.58	-0.22	-0.60	-1.20e-05	0.0	2.52e-04
3101	212	-7.61	0.40	0.53	-1.94e-04	0.0	-2.43e-04
3101	235	-0.73	8.21	0.02	-2.50e-03	0.0	1.28e-04
3101	249	0.15	0.06	-0.05	-7.26e-05	0.0	0.0
3101	264	-0.33	0.09	-6.51e-03	-1.12e-04	0.0	1.11e-05
3101	276	-0.01	0.83	-0.03	-7.91e-04	0.0	3.60e-05
3101	302	0.02	0.05	-0.04	-6.48e-05	0.0	2.11e-06
3101	305	-0.08	0.08	-0.03	-1.02e-04	0.0	5.60e-06

3101	307	-0.01	0.23	-0.03	-2.38e-04	0.0	1.06e-05
3101	309	-0.01	0.05	-0.03	-6.44e-05	0.0	2.73e-06
3101	310	-0.02	0.09	-0.03	-1.03e-04	0.0	4.37e-06
3102	16	0.22	0.14	-0.07	-1.02e-04	0.0	0.0
3102	44	-0.53	0.21	-5.39e-03	-1.61e-04	0.0	1.70e-05
3102	68	-0.03	1.87	-0.04	-1.17e-03	0.0	1.40e-04
3102	113	6.08	-0.26	-0.44	-2.47e-06	3.04e-06	2.14e-04
3102	116	-6.13	0.54	0.37	-2.03e-04	-3.04e-06	-2.05e-04
3102	139	-0.65	6.99	9.51e-03	-1.85e-03	5.27e-06	1.45e-04
3102	145	6.84	-0.30	-0.49	6.72e-06	3.44e-06	2.41e-04
3102	148	-6.89	0.58	0.42	-2.12e-04	-3.43e-06	-2.32e-04
3102	171	-0.73	7.88	0.01	-2.07e-03	5.95e-06	1.63e-04
3102	177	6.77	-0.21	-0.49	-1.38e-05	3.54e-06	2.43e-04
3102	180	-6.82	0.50	0.42	-1.92e-04	-3.53e-06	-2.34e-04
3102	203	-0.68	8.06	0.01	-2.12e-03	6.06e-06	1.67e-04
3102	209	7.94	-0.22	-0.57	-1.26e-05	4.24e-06	2.88e-04
3102	212	-7.98	0.50	0.49	-1.93e-04	-4.24e-06	-2.79e-04
3102	235	-0.77	9.55	0.02	-2.50e-03	7.21e-06	1.98e-04
3102	249	0.15	0.10	-0.05	-7.26e-05	0.0	0.0
3102	264	-0.35	0.15	-8.38e-03	-1.12e-04	0.0	1.16e-05
3102	276	-0.02	1.25	-0.03	-7.87e-04	0.0	9.34e-05
3102	302	0.02	0.09	-0.04	-6.47e-05	0.0	2.14e-06
3102	305	-0.09	0.14	-0.03	-1.02e-04	0.0	5.75e-06
3102	307	-0.02	0.36	-0.04	-2.37e-04	0.0	2.21e-05
3102	309	-0.02	0.09	-0.04	-6.44e-05	0.0	2.79e-06
3102	310	-0.02	0.14	-0.04	-1.03e-04	0.0	4.44e-06
3103	15	0.22	0.03	-0.07	-16.33	-2.76e-05	0.0
3103	43	-0.47	0.04	-0.03	-14.96	4.21e-05	1.54e-05
3103	68	-7.78e-03	0.62	-0.05	-14.91	-7.94e-06	8.68e-06
3103	113	5.45	-0.22	-0.29	-16.84	-5.21e-04	1.62e-04
3103	116	-5.47	0.29	0.21	-7.18	5.13e-04	-1.53e-04
3103	139	-0.59	5.04	-0.01	-9.64	4.95e-05	5.67e-05
3103	145	6.13	-0.24	-0.32	-17.44	-5.86e-04	1.82e-04
3103	148	-6.15	0.31	0.24	-6.59	5.77e-04	-1.73e-04
3103	171	-0.65	5.70	-9.61e-03	-9.34	5.55e-05	6.36e-05
3103	177	6.07	-0.18	-0.32	-17.34	-5.80e-04	1.82e-04
3103	180	-6.09	0.25	0.23	-6.69	5.72e-04	-1.73e-04
3103	203	-0.61	5.83	-0.01	-9.37	5.16e-05	6.50e-05
3103	209	7.11	-0.18	-0.37	-18.21	-6.79e-04	2.15e-04
3103	212	-7.13	0.24	0.28	-5.81	6.70e-04	-2.06e-04
3103	235	-0.69	6.92	-6.77e-03	-8.92	5.91e-05	7.66e-05
3103	248	0.14	0.02	-0.05	-12.58	-1.85e-05	0.0
3103	263	-0.31	0.03	-0.03	-11.66	2.80e-05	1.05e-05
3103	276	-5.52e-03	0.41	-0.04	-11.63	-5.39e-06	6.01e-06
3103	302	0.02	0.02	-0.05	-12.47	-5.50e-06	2.19e-06
3103	305	-0.07	0.03	-0.04	-11.96	2.24e-06	5.61e-06
3103	307	-7.82e-03	0.11	-0.04	-11.97	-4.29e-06	4.65e-06
3103	309	-6.28e-03	0.02	-0.04	-12.44	-2.24e-06	2.76e-06
3103	310	-8.46e-03	0.03	-0.04	-12.01	-4.27e-06	4.46e-06
3104	15	0.22	0.08	-0.07	-9.14e-05	0.0	0.0
3104	44	-0.50	0.13	-0.03	-1.62e-04	0.0	1.64e-05
3104	68	-0.02	1.28	-0.05	-1.24e-03	0.0	6.74e-05
3104	113	5.81	-0.21	-0.30	-9.79e-04	0.0	1.88e-04
3104	116	-5.84	0.39	0.21	7.74e-04	0.0	-1.80e-04
3104	139	-0.62	6.05	-0.01	-1.60e-03	1.15e-06	8.09e-05
3104	145	6.54	-0.24	-0.33	-1.09e-03	0.0	2.12e-04
3104	148	-6.57	0.42	0.24	8.86e-04	0.0	-2.03e-04
3104	171	-0.69	6.83	-8.72e-03	-1.80e-03	1.30e-06	9.11e-05
3104	177	6.47	-0.17	-0.33	-1.10e-03	0.0	2.12e-04
3104	180	-6.50	0.35	0.24	8.98e-04	0.0	-2.03e-04
3104	203	-0.65	6.99	-0.01	-1.85e-03	1.31e-06	9.34e-05
3104	209	7.58	-0.16	-0.37	-1.29e-03	0.0	2.51e-04
3104	212	-7.61	0.34	0.29	1.09e-03	0.0	-2.42e-04
3104	235	-0.73	8.28	-5.89e-03	-2.18e-03	1.56e-06	1.10e-04
3104	248	0.15	0.06	-0.05	-6.59e-05	0.0	0.0
3104	264	-0.33	0.09	-0.03	-1.13e-04	0.0	1.12e-05
3104	276	-0.01	0.85	-0.04	-8.29e-04	0.0	4.52e-05
3104	302	0.02	0.05	-0.05	-6.47e-05	0.0	2.13e-06
3104	305	-0.08	0.09	-0.04	-1.02e-04	0.0	5.64e-06
3104	307	-0.01	0.24	-0.04	-2.45e-04	0.0	1.24e-05
3104	309	-0.01	0.05	-0.04	-6.44e-05	0.0	2.75e-06
3104	310	-0.01	0.09	-0.04	-1.03e-04	0.0	4.41e-06
3105	15	0.22	0.03	-0.06	-16.33	-2.91e-05	0.0
3105	43	-0.47	0.05	-0.05	-14.96	4.03e-05	1.52e-05
3105	68	-7.96e-03	0.62	-0.05	-14.91	-9.52e-06	1.01e-05

3105	114	4.44	-2.47	-0.07	-17.72	-4.20e-04	5.86e-05
3105	116	-5.48	0.25	-0.02	-7.18	5.06e-04	-1.55e-04
3105	139	-0.59	5.07	-0.03	-9.64	4.77e-05	5.64e-05
3105	146	4.98	-2.80	-0.07	-18.42	-4.71e-04	6.48e-05
3105	148	-6.15	0.26	-0.01	-6.59	5.70e-04	-1.76e-04
3105	171	-0.65	5.73	-0.03	-9.34	5.36e-05	6.33e-05
3105	178	4.88	-2.84	-0.07	-18.34	-4.62e-04	6.13e-05
3105	180	-6.09	0.21	-0.01	-6.69	5.64e-04	-1.76e-04
3105	203	-0.61	5.86	-0.03	-9.37	4.98e-05	6.47e-05
3105	210	5.68	-3.38	-0.08	-19.41	-5.37e-04	6.94e-05
3105	212	-7.13	0.20	-9.44e-03	-5.81	6.62e-04	-2.09e-04
3105	235	-0.69	6.96	-0.03	-8.92	5.72e-05	7.63e-05
3105	248	0.15	0.02	-0.05	-12.58	-1.96e-05	0.0
3105	263	-0.31	0.03	-0.04	-11.66	2.66e-05	1.03e-05
3105	276	-5.64e-03	0.42	-0.04	-11.63	-6.60e-06	6.94e-06
3105	302	0.02	0.02	-0.04	-12.47	-6.66e-06	2.19e-06
3105	305	-0.07	0.03	-0.04	-11.96	1.01e-06	5.58e-06
3105	307	-7.84e-03	0.11	-0.04	-11.97	-5.49e-06	4.84e-06
3105	309	-6.29e-03	0.02	-0.04	-12.44	-3.42e-06	2.75e-06
3105	310	-8.45e-03	0.04	-0.04	-12.01	-5.48e-06	4.46e-06
3106	15	0.22	0.08	-0.06	-9.11e-05	0.0	0.0
3106	44	-0.50	0.14	-0.05	-1.62e-04	0.0	1.64e-05
3106	68	-0.02	1.31	-0.05	-1.29e-03	0.0	7.58e-05
3106	114	4.72	-2.89	-0.07	-1.83e-04	0.0	6.57e-05
3106	116	-5.84	0.35	-0.02	7.80e-04	0.0	-1.79e-04
3106	139	-0.62	6.09	-0.03	-1.62e-03	0.0	6.30e-05
3106	146	5.30	-3.27	-0.07	-1.90e-04	0.0	7.27e-05
3106	148	-6.56	0.37	-0.01	8.93e-04	0.0	-2.02e-04
3106	171	-0.69	6.88	-0.03	-1.82e-03	0.0	7.08e-05
3106	178	5.19	-3.32	-0.07	-1.70e-04	0.0	6.86e-05
3106	180	-6.50	0.30	-0.01	9.07e-04	0.0	-2.02e-04
3106	203	-0.65	7.03	-0.03	-1.87e-03	0.0	7.23e-05
3106	210	6.04	-3.96	-0.08	-1.67e-04	0.0	7.76e-05
3106	212	-7.61	0.29	-9.19e-03	1.10e-03	0.0	-2.40e-04
3106	235	-0.73	8.34	-0.03	-2.21e-03	0.0	8.53e-05
3106	248	0.15	0.06	-0.05	-6.57e-05	0.0	0.0
3106	264	-0.33	0.10	-0.04	-1.13e-04	0.0	1.12e-05
3106	276	-0.01	0.88	-0.04	-8.66e-04	0.0	5.08e-05
3106	302	0.02	0.05	-0.04	-6.47e-05	0.0	2.14e-06
3106	305	-0.08	0.09	-0.04	-1.02e-04	0.0	5.65e-06
3106	307	-0.01	0.25	-0.04	-2.53e-04	0.0	1.36e-05
3106	309	-0.01	0.05	-0.04	-6.44e-05	0.0	2.76e-06
3106	310	-0.01	0.09	-0.04	-1.03e-04	0.0	4.42e-06
3107	41	-0.46	0.03	-0.07	-15.70	4.29e-05	1.22e-05
3107	43	-0.47	0.06	-0.06	-14.96	3.94e-05	1.52e-05
3107	68	-7.80e-03	0.63	-0.04	-14.91	-1.07e-05	1.06e-05
3107	116	-5.48	0.21	-0.23	-7.18	5.12e-04	-1.56e-04
3107	139	-0.59	5.10	-0.05	-9.64	4.74e-05	5.62e-05
3107	148	-6.16	0.22	-0.26	-6.59	5.76e-04	-1.76e-04
3107	171	-0.65	5.77	-0.06	-9.34	5.35e-05	6.31e-05
3107	180	-6.10	0.17	-0.25	-6.69	5.71e-04	-1.76e-04
3107	203	-0.61	5.90	-0.05	-9.37	4.95e-05	6.45e-05
3107	212	-7.14	0.15	-0.29	-5.81	6.70e-04	-2.09e-04
3107	235	-0.70	7.01	-0.06	-8.92	5.70e-05	7.59e-05
3107	261	-0.31	0.02	-0.05	-12.16	2.82e-05	8.38e-06
3107	263	-0.31	0.04	-0.05	-11.66	2.59e-05	1.04e-05
3107	276	-5.51e-03	0.42	-0.03	-11.63	-7.52e-06	7.31e-06
3107	304	-0.07	0.02	-0.04	-12.38	2.11e-06	3.90e-06
3107	305	-0.07	0.04	-0.04	-11.96	0.0	5.62e-06
3107	307	-7.55e-03	0.11	-0.04	-11.97	-6.43e-06	4.94e-06
3107	309	-6.09e-03	0.02	-0.04	-12.44	-4.42e-06	2.78e-06
3107	310	-8.12e-03	0.04	-0.04	-12.01	-6.42e-06	4.50e-06
3108	41	-0.49	0.07	-0.07	-8.61e-05	0.0	1.30e-05
3108	44	-0.50	0.14	-0.06	-1.63e-04	0.0	1.64e-05
3108	68	-0.02	1.34	-0.04	-1.34e-03	0.0	8.55e-05
3108	116	-5.84	0.30	-0.24	7.78e-04	0.0	-1.79e-04
3108	139	-0.62	6.12	-0.05	-1.62e-03	-1.01e-06	4.62e-05
3108	148	-6.56	0.32	-0.26	8.91e-04	0.0	-2.02e-04
3108	171	-0.69	6.91	-0.05	-1.82e-03	-1.14e-06	5.17e-05
3108	180	-6.49	0.25	-0.26	9.06e-04	0.0	-2.02e-04
3108	203	-0.65	7.07	-0.05	-1.87e-03	-1.16e-06	5.24e-05
3108	212	-7.60	0.23	-0.30	1.10e-03	0.0	-2.39e-04
3108	235	-0.73	8.38	-0.06	-2.21e-03	-1.38e-06	6.13e-05
3108	261	-0.33	0.05	-0.05	-6.24e-05	0.0	8.90e-06
3108	264	-0.33	0.10	-0.05	-1.14e-04	0.0	1.12e-05

3108	276	-0.01	0.90	-0.03	-9.01e-04	0.0	5.72e-05
3108	304	-0.07	0.05	-0.04	-6.40e-05	0.0	3.99e-06
3108	305	-0.08	0.09	-0.04	-1.02e-04	0.0	5.66e-06
3108	307	-0.01	0.25	-0.04	-2.60e-04	0.0	1.49e-05
3108	309	-0.01	0.05	-0.04	-6.44e-05	0.0	2.76e-06
3108	310	-0.01	0.09	-0.04	-1.03e-04	0.0	4.43e-06
3109	15	0.22	0.13	-0.07	-9.14e-05	0.0	-1.10e-06
3109	44	-0.52	0.22	-0.03	-1.62e-04	0.0	1.70e-05
3109	68	-0.03	1.94	-0.05	-1.24e-03	0.0	1.31e-04
3109	113	6.04	-0.21	-0.30	-9.79e-04	0.0	2.12e-04
3109	116	-6.08	0.49	0.22	7.73e-04	0.0	-2.03e-04
3109	139	-0.65	7.06	-0.01	-1.60e-03	0.0	1.09e-04
3109	145	6.79	-0.24	-0.33	-1.09e-03	0.0	2.38e-04
3109	148	-6.84	0.52	0.25	8.85e-04	0.0	-2.29e-04
3109	171	-0.72	7.96	-7.98e-03	-1.80e-03	0.0	1.22e-04
3109	177	6.73	-0.16	-0.33	-1.10e-03	0.0	2.39e-04
3109	180	-6.77	0.44	0.25	8.98e-04	0.0	-2.30e-04
3109	203	-0.67	8.14	-9.71e-03	-1.85e-03	0.0	1.26e-04
3109	209	7.88	-0.15	-0.38	-1.29e-03	0.0	2.83e-04
3109	212	-7.93	0.44	0.30	1.09e-03	0.0	-2.74e-04
3109	235	-0.76	9.65	-5.12e-03	-2.18e-03	0.0	1.49e-04
3109	248	0.15	0.09	-0.05	-6.59e-05	0.0	0.0
3109	264	-0.35	0.15	-0.03	-1.13e-04	0.0	1.16e-05
3109	276	-0.02	1.30	-0.04	-8.30e-04	0.0	8.75e-05
3109	302	0.02	0.09	-0.04	-6.47e-05	0.0	2.12e-06
3109	305	-0.09	0.14	-0.04	-1.02e-04	0.0	5.72e-06
3109	307	-0.02	0.37	-0.04	-2.46e-04	0.0	2.09e-05
3109	309	-0.01	0.09	-0.04	-6.44e-05	0.0	2.77e-06
3109	310	-0.02	0.14	-0.04	-1.03e-04	0.0	4.42e-06
3110	15	0.22	0.13	-0.06	-9.11e-05	0.0	-1.11e-06
3110	44	-0.52	0.22	-0.05	-1.62e-04	0.0	1.70e-05
3110	68	-0.03	2.00	-0.05	-1.29e-03	0.0	1.26e-04
3110	114	4.88	-3.31	-0.07	-1.84e-04	0.0	7.29e-05
3110	116	-6.06	0.44	-0.02	7.80e-04	0.0	-2.01e-04
3110	139	-0.65	7.11	-0.03	-1.62e-03	0.0	6.88e-05
3110	146	5.48	-3.75	-0.07	-1.90e-04	0.0	8.08e-05
3110	148	-6.81	0.47	-0.01	8.93e-04	0.0	-2.27e-04
3110	171	-0.72	8.02	-0.03	-1.82e-03	0.0	7.74e-05
3110	178	5.38	-3.80	-0.07	-1.70e-04	0.0	7.61e-05
3110	180	-6.75	0.39	-0.01	9.06e-04	0.0	-2.27e-04
3110	203	-0.67	8.20	-0.03	-1.87e-03	0.0	7.91e-05
3110	210	6.26	-4.55	-0.08	-1.68e-04	0.0	8.62e-05
3110	212	-7.90	0.38	-9.28e-03	1.10e-03	0.0	-2.70e-04
3110	235	-0.76	9.72	-0.03	-2.21e-03	0.0	9.33e-05
3110	248	0.15	0.09	-0.05	-6.57e-05	0.0	0.0
3110	264	-0.35	0.16	-0.04	-1.13e-04	0.0	1.16e-05
3110	276	-0.02	1.34	-0.04	-8.67e-04	0.0	8.41e-05
3110	302	0.02	0.09	-0.04	-6.47e-05	0.0	2.11e-06
3110	305	-0.09	0.14	-0.04	-1.02e-04	0.0	5.71e-06
3110	307	-0.02	0.38	-0.04	-2.53e-04	0.0	2.02e-05
3110	309	-0.02	0.09	-0.04	-6.44e-05	0.0	2.77e-06
3110	310	-0.02	0.15	-0.04	-1.03e-04	0.0	4.41e-06
3111	41	-0.51	0.12	-0.07	-8.61e-05	0.0	1.36e-05
3111	44	-0.52	0.23	-0.06	-1.63e-04	0.0	1.70e-05
3111	68	-0.03	2.06	-0.04	-1.35e-03	0.0	1.20e-04
3111	116	-6.07	0.39	-0.24	7.77e-04	0.0	-2.01e-04
3111	139	-0.65	7.13	-0.05	-1.62e-03	0.0	-1.12e-04
3111	148	-6.82	0.41	-0.27	8.90e-04	0.0	-2.27e-04
3111	171	-0.72	8.05	-0.06	-1.82e-03	0.0	-1.26e-04
3111	180	-6.75	0.34	-0.26	9.04e-04	0.0	-2.25e-04
3111	203	-0.68	8.24	-0.05	-1.87e-03	0.0	-1.23e-04
3111	212	-7.90	0.31	-0.30	1.10e-03	0.0	-2.67e-04
3111	235	-0.76	9.76	-0.06	-2.21e-03	0.0	-1.45e-04
3111	261	-0.34	0.09	-0.05	-6.24e-05	0.0	9.30e-06
3111	264	-0.35	0.16	-0.05	-1.14e-04	0.0	1.16e-05
3111	276	-0.02	1.38	-0.03	-9.02e-04	0.0	8.03e-05
3111	304	-0.08	0.09	-0.04	-6.40e-05	0.0	4.07e-06
3111	305	-0.09	0.15	-0.04	-1.02e-04	0.0	5.71e-06
3111	307	-0.02	0.39	-0.04	-2.60e-04	0.0	1.95e-05
3111	309	-0.02	0.09	-0.04	-6.44e-05	0.0	2.76e-06
3111	310	-0.02	0.15	-0.04	-1.03e-04	0.0	4.40e-06
3112	15	0.22	0.70	-0.15	-1.36e-04	0.0	-2.76e-06
3112	44	-1.42	1.21	-0.08	-2.38e-04	0.0	2.65e-05
3112	68	-0.38	3.34	-0.11	5.78e-04	0.0	1.37e-04
3112	113	12.31	0.14	-0.55	-2.61e-04	1.20e-06	4.02e-04

3112	116	-12.85	1.38	0.36	-2.90e-05	-1.20e-06	-3.87e-04
3112	139	-1.32	13.10	0.09	-2.57e-04	-9.39e-06	3.03e-04
3112	145	13.87	0.09	-0.60	-2.76e-04	1.33e-06	4.52e-04
3112	148	-14.42	1.43	0.41	-1.39e-05	-1.34e-06	-4.38e-04
3112	171	-1.44	14.71	0.11	-2.72e-04	-1.06e-05	3.42e-04
3112	177	13.74	0.23	-0.60	-2.79e-04	1.21e-06	4.58e-04
3112	180	-14.29	1.29	0.41	-1.09e-05	-1.22e-06	-4.44e-04
3112	203	-1.33	15.04	0.11	-2.75e-04	-1.08e-05	3.52e-04
3112	209	16.15	0.24	-0.68	-3.05e-04	1.34e-06	5.44e-04
3112	212	-16.70	1.28	0.49	1.56e-05	-1.35e-06	-5.30e-04
3112	235	-1.45	17.72	0.14	-3.00e-04	-1.28e-05	4.18e-04
3112	248	0.13	0.51	-0.11	-9.86e-05	0.0	-1.44e-06
3112	264	-0.96	0.84	-0.06	-1.67e-04	0.0	1.81e-05
3112	276	-0.27	2.27	-0.09	3.78e-04	0.0	9.20e-05
3112	302	-0.13	0.50	-0.10	-9.79e-05	0.0	2.68e-06
3112	305	-0.41	0.75	-0.09	-1.44e-04	0.0	9.35e-06
3112	307	-0.27	1.04	-0.09	-3.56e-05	0.0	2.41e-05
3112	309	-0.20	0.49	-0.10	-9.77e-05	0.0	3.71e-06
3112	310	-0.27	0.76	-0.10	-1.45e-04	0.0	7.29e-06
3113	15	0.21	0.77	-0.15	-1.36e-04	0.0	-2.99e-06
3113	44	-1.45	1.33	-0.08	-2.38e-04	0.0	2.63e-05
3113	68	-0.40	3.06	-0.11	5.84e-04	0.0	5.87e-05
3113	113	12.37	0.24	-0.55	-2.59e-04	0.0	4.00e-04
3113	116	-12.95	1.43	0.36	-3.04e-05	0.0	-3.86e-04
3113	139	-1.33	13.23	0.09	-2.49e-04	-5.88e-06	2.26e-04
3113	145	13.95	0.19	-0.61	-2.74e-04	0.0	4.50e-04
3113	148	-14.52	1.48	0.42	-1.56e-05	0.0	-4.36e-04
3113	171	-1.45	14.85	0.11	-2.62e-04	-6.64e-06	2.56e-04
3113	177	13.82	0.33	-0.60	-2.77e-04	0.0	4.53e-04
3113	180	-14.40	1.33	0.41	-1.28e-05	0.0	-4.39e-04
3113	203	-1.33	15.18	0.11	-2.66e-04	-6.77e-06	2.63e-04
3113	209	16.25	0.34	-0.69	-3.03e-04	0.0	5.37e-04
3113	212	-16.82	1.32	0.50	1.32e-05	0.0	-5.23e-04
3113	235	-1.45	17.88	0.14	-2.89e-04	-8.04e-06	3.13e-04
3113	248	0.13	0.56	-0.11	-9.86e-05	0.0	-1.59e-06
3113	264	-0.98	0.93	-0.06	-1.67e-04	0.0	1.80e-05
3113	276	-0.28	2.08	-0.09	3.82e-04	0.0	3.95e-05
3113	302	-0.14	0.55	-0.10	-9.79e-05	0.0	2.59e-06
3113	305	-0.42	0.83	-0.09	-1.44e-04	0.0	9.11e-06
3113	307	-0.28	1.06	-0.09	-3.48e-05	0.0	1.34e-05
3113	309	-0.20	0.54	-0.10	-9.77e-05	0.0	3.63e-06
3113	310	-0.29	0.83	-0.10	-1.45e-04	0.0	7.02e-06
3114	15	0.22	0.70	-0.14	-1.36e-04	0.0	-2.79e-06
3114	44	-1.43	1.22	-0.09	-2.38e-04	0.0	2.64e-05
3114	68	-0.38	3.41	-0.10	6.46e-04	0.0	1.27e-04
3114	113	12.34	0.24	-0.35	-2.54e-04	0.0	3.97e-04
3114	116	-12.89	1.29	0.16	-3.51e-05	0.0	-3.82e-04
3114	139	-1.33	13.26	7.19e-03	-1.90e-04	0.0	2.35e-04
3114	145	13.91	0.20	-0.38	-2.68e-04	0.0	4.46e-04
3114	148	-14.46	1.33	0.19	-2.12e-05	0.0	-4.32e-04
3114	171	-1.44	14.90	0.02	-1.96e-04	0.0	2.65e-04
3114	177	13.79	0.34	-0.38	-2.69e-04	0.0	4.50e-04
3114	180	-14.33	1.19	0.19	-2.02e-05	0.0	-4.36e-04
3114	203	-1.33	15.23	0.02	-1.98e-04	0.0	2.74e-04
3114	209	16.20	0.36	-0.42	-2.93e-04	0.0	5.33e-04
3114	212	-16.75	1.17	0.24	3.41e-06	0.0	-5.19e-04
3114	235	-1.45	17.96	0.04	-2.08e-04	0.0	3.25e-04
3114	248	0.14	0.51	-0.11	-9.86e-05	0.0	-1.47e-06
3114	264	-0.97	0.85	-0.07	-1.67e-04	0.0	1.80e-05
3114	276	-0.27	2.31	-0.08	4.23e-04	0.0	8.54e-05
3114	302	-0.13	0.50	-0.10	-9.79e-05	0.0	2.65e-06
3114	305	-0.41	0.76	-0.09	-1.44e-04	0.0	9.32e-06
3114	307	-0.27	1.05	-0.09	-2.64e-05	0.0	2.28e-05
3114	309	-0.20	0.50	-0.10	-9.78e-05	0.0	3.68e-06
3114	310	-0.27	0.76	-0.09	-1.45e-04	0.0	7.26e-06
3115	15	0.21	0.77	-0.14	-1.36e-04	0.0	-3.02e-06
3115	44	-1.45	1.34	-0.09	-2.38e-04	0.0	2.63e-05
3115	68	-0.41	3.09	-0.10	6.45e-04	0.0	7.00e-05
3115	113	12.37	0.34	-0.35	-2.54e-04	0.0	3.98e-04
3115	116	-12.95	1.33	0.16	-3.55e-05	0.0	-3.84e-04
3115	139	-1.34	13.36	6.45e-03	-1.87e-04	0.0	2.01e-04
3115	145	13.95	0.30	-0.38	-2.68e-04	0.0	4.48e-04
3115	148	-14.53	1.37	0.19	-2.16e-05	0.0	-4.34e-04
3115	171	-1.45	15.00	0.02	-1.92e-04	0.0	2.27e-04
3115	177	13.82	0.44	-0.37	-2.69e-04	0.0	4.51e-04

3115	180	-14.40	1.23	0.19	-2.08e-05	0.0	-4.37e-04
3115	203	-1.34	15.34	0.02	-1.94e-04	0.0	2.34e-04
3115	209	16.25	0.47	-0.42	-2.92e-04	0.0	5.33e-04
3115	212	-16.82	1.20	0.24	2.70e-06	0.0	-5.19e-04
3115	235	-1.46	18.07	0.03	-2.03e-04	0.0	2.78e-04
3115	248	0.13	0.56	-0.11	-9.86e-05	0.0	-1.61e-06
3115	264	-0.98	0.94	-0.07	-1.67e-04	0.0	1.79e-05
3115	276	-0.29	2.10	-0.08	4.22e-04	0.0	4.71e-05
3115	302	-0.14	0.55	-0.10	-9.79e-05	0.0	2.57e-06
3115	305	-0.42	0.83	-0.09	-1.44e-04	0.0	9.08e-06
3115	307	-0.28	1.06	-0.09	-2.65e-05	0.0	1.49e-05
3115	309	-0.21	0.55	-0.10	-9.78e-05	0.0	3.62e-06
3115	310	-0.29	0.84	-0.09	-1.45e-04	0.0	6.98e-06
3116	44	-1.43	1.23	-0.09	-2.38e-04	0.0	2.65e-05
3116	68	-0.38	3.48	-0.09	7.04e-04	0.0	1.23e-04
3116	89	-0.30	-0.42	-0.13	-6.07e-04	0.0	-5.08e-05
3116	116	-12.91	-5.43	-0.05	-3.22e-05	0.0	-3.78e-04
3116	118	10.39	0.59	-0.14	-1.93e-04	0.0	1.93e-04
3116	137	5.49	13.38	-0.07	-2.17e-04	0.0	3.07e-04
3116	148	-14.48	-6.23	-0.04	-1.80e-05	0.0	-4.26e-04
3116	150	11.70	0.55	-0.14	-1.98e-04	0.0	2.15e-04
3116	169	6.22	15.03	-0.07	-2.26e-04	0.0	3.46e-04
3116	180	-14.36	-6.34	-0.04	-1.74e-05	0.0	-4.28e-04
3116	182	11.51	0.43	-0.14	-1.97e-04	0.0	2.11e-04
3116	201	6.22	15.37	-0.07	-2.27e-04	0.0	3.49e-04
3116	212	-16.77	-7.68	-0.03	6.43e-06	0.0	-5.08e-04
3116	214	13.47	0.32	-0.15	-2.06e-04	0.0	2.45e-04
3116	233	7.37	18.12	-0.07	-2.42e-04	0.0	4.12e-04
3116	264	-0.97	0.86	-0.07	-1.67e-04	0.0	1.80e-05
3116	276	-0.27	2.36	-0.07	4.62e-04	0.0	8.21e-05
3116	285	-0.21	-0.24	-0.10	-4.13e-04	0.0	-3.35e-05
3116	305	-0.41	0.76	-0.08	-1.44e-04	0.0	9.34e-06
3116	307	-0.27	1.06	-0.08	-1.84e-05	0.0	2.22e-05
3116	308	-0.20	0.35	-0.10	-1.61e-04	0.0	-3.74e-06
3116	309	-0.19	0.50	-0.10	-9.77e-05	0.0	3.70e-06
3116	310	-0.27	0.77	-0.08	-1.44e-04	0.0	7.28e-06
3117	44	-1.46	1.35	-0.09	-2.38e-04	0.0	2.61e-05
3117	68	-0.41	3.12	-0.09	7.03e-04	0.0	7.75e-05
3117	89	-0.31	-0.12	-0.13	-6.07e-04	0.0	-2.88e-05
3117	116	-12.96	-5.37	-0.05	-3.25e-05	0.0	-3.82e-04
3117	118	10.39	0.65	-0.14	-1.94e-04	0.0	1.92e-04
3117	137	5.50	13.47	-0.07	-2.13e-04	0.0	3.17e-04
3117	148	-14.53	-6.17	-0.04	-1.83e-05	0.0	-4.32e-04
3117	150	11.70	0.61	-0.14	-2.00e-04	0.0	2.15e-04
3117	169	6.23	15.12	-0.07	-2.22e-04	0.0	3.57e-04
3117	180	-14.40	-6.28	-0.04	-1.79e-05	0.0	-4.33e-04
3117	182	11.51	0.49	-0.14	-1.99e-04	0.0	2.10e-04
3117	201	6.24	15.47	-0.07	-2.23e-04	0.0	3.61e-04
3117	212	-16.83	-7.64	-0.03	5.78e-06	0.0	-5.15e-04
3117	214	13.48	0.37	-0.15	-2.08e-04	0.0	2.44e-04
3117	233	7.39	18.23	-0.07	-2.37e-04	0.0	4.26e-04
3117	264	-0.99	0.94	-0.07	-1.67e-04	0.0	1.78e-05
3117	276	-0.29	2.13	-0.07	4.61e-04	0.0	5.21e-05
3117	285	-0.22	-0.04	-0.10	-4.12e-04	0.0	-1.88e-05
3117	305	-0.42	0.84	-0.08	-1.44e-04	0.0	8.99e-06
3117	307	-0.28	1.07	-0.08	-1.86e-05	0.0	1.58e-05
3117	308	-0.21	0.43	-0.10	-1.61e-04	0.0	0.0
3117	309	-0.21	0.55	-0.10	-9.78e-05	0.0	3.55e-06
3117	310	-0.29	0.84	-0.08	-1.44e-04	0.0	6.90e-06
3118	41	-1.26	0.67	-0.12	-1.33e-04	0.0	2.05e-05
3118	44	-1.43	1.25	-0.09	-2.38e-04	0.0	2.66e-05
3118	68	-0.38	3.54	-0.06	7.59e-04	0.0	1.17e-04
3118	116	-12.92	-5.44	-0.24	-2.53e-05	0.0	-3.75e-04
3118	137	5.49	13.44	0.03	-2.48e-04	0.0	2.40e-04
3118	148	-14.49	-6.24	-0.27	-1.01e-05	0.0	-4.23e-04
3118	169	6.22	15.10	0.05	-2.61e-04	0.0	2.70e-04
3118	180	-14.36	-6.36	-0.27	-8.50e-06	0.0	-4.21e-04
3118	201	6.22	15.45	0.05	-2.64e-04	0.0	2.68e-04
3118	212	-16.78	-7.72	-0.30	1.74e-05	0.0	-4.99e-04
3118	233	7.37	18.22	0.07	-2.86e-04	0.0	3.14e-04
3118	261	-0.86	0.49	-0.10	-9.62e-05	0.0	1.40e-05
3118	264	-0.97	0.87	-0.07	-1.66e-04	0.0	1.81e-05
3118	276	-0.27	2.40	-0.06	4.98e-04	0.0	7.84e-05
3118	304	-0.33	0.50	-0.09	-9.72e-05	0.0	5.80e-06
3118	305	-0.41	0.77	-0.07	-1.44e-04	0.0	9.39e-06

3118	307	-0.27	1.07	-0.07	-1.06e-05	0.0	2.15e-05
3118	309	-0.19	0.50	-0.09	-9.75e-05	0.0	3.74e-06
3118	310	-0.27	0.77	-0.07	-1.44e-04	0.0	7.33e-06
3119	41	-1.28	0.74	-0.12	-1.33e-04	0.0	2.03e-05
3119	44	-1.46	1.37	-0.09	-2.38e-04	0.0	2.59e-05
3119	68	-0.41	3.16	-0.06	7.59e-04	0.0	8.63e-05
3119	116	-12.96	-5.39	-0.24	-2.58e-05	0.0	-3.81e-04
3119	137	5.50	13.55	0.03	-2.44e-04	0.0	2.84e-04
3119	148	-14.53	-6.19	-0.26	-1.06e-05	0.0	-4.30e-04
3119	169	6.23	15.22	0.05	-2.57e-04	0.0	3.19e-04
3119	180	-14.41	-6.32	-0.26	-9.17e-06	0.0	-4.30e-04
3119	201	6.24	15.57	0.05	-2.59e-04	0.0	3.21e-04
3119	212	-16.83	-7.68	-0.30	1.65e-05	0.0	-5.10e-04
3119	233	7.39	18.35	0.07	-2.81e-04	0.0	3.78e-04
3119	261	-0.87	0.54	-0.09	-9.63e-05	0.0	1.39e-05
3119	264	-0.99	0.95	-0.07	-1.66e-04	0.0	1.77e-05
3119	276	-0.29	2.15	-0.06	4.98e-04	0.0	5.79e-05
3119	304	-0.34	0.55	-0.09	-9.73e-05	0.0	5.55e-06
3119	305	-0.42	0.84	-0.07	-1.44e-04	0.0	8.87e-06
3119	307	-0.28	1.08	-0.07	-1.07e-05	0.0	1.69e-05
3119	309	-0.21	0.55	-0.09	-9.75e-05	0.0	3.46e-06
3119	310	-0.29	0.84	-0.07	-1.44e-04	0.0	6.78e-06
3120	41	-1.26	0.68	-0.12	-1.32e-04	0.0	2.05e-05
3120	44	-1.43	1.26	-0.07	-2.37e-04	0.0	2.67e-05
3120	68	-0.38	3.60	-0.03	8.00e-04	0.0	1.05e-04
3120	116	-12.91	-5.43	-0.43	-6.64e-06	-4.98e-06	-3.73e-04
3120	137	5.48	13.46	0.15	-3.34e-04	1.12e-05	-1.68e-05
3120	148	-14.48	-6.23	-0.47	1.12e-05	-5.62e-06	-4.21e-04
3120	169	6.21	15.12	0.17	-3.60e-04	1.27e-05	-1.96e-05
3120	180	-14.35	-6.36	-0.47	1.54e-05	-5.67e-06	-4.17e-04
3120	201	6.22	15.48	0.17	-3.65e-04	1.30e-05	-1.52e-05
3120	212	-16.77	-7.73	-0.54	4.69e-05	-6.73e-06	-4.93e-04
3120	233	7.36	18.25	0.21	-4.07e-04	1.54e-05	-1.77e-05
3120	261	-0.86	0.49	-0.09	-9.60e-05	0.0	1.41e-05
3120	264	-0.97	0.88	-0.06	-1.66e-04	0.0	1.82e-05
3120	276	-0.27	2.44	-0.03	5.26e-04	0.0	7.01e-05
3120	304	-0.33	0.50	-0.07	-9.68e-05	0.0	5.85e-06
3120	305	-0.41	0.77	-0.05	-1.43e-04	0.0	9.46e-06
3120	307	-0.27	1.08	-0.04	-4.52e-06	0.0	1.98e-05
3120	309	-0.19	0.50	-0.07	-9.70e-05	0.0	3.79e-06
3120	310	-0.27	0.77	-0.05	-1.43e-04	0.0	7.40e-06
3121	41	-1.28	0.75	-0.12	-1.32e-04	0.0	2.02e-05
3121	44	-1.46	1.38	-0.07	-2.37e-04	0.0	2.58e-05
3121	68	-0.41	3.20	-0.03	8.08e-04	0.0	1.02e-04
3121	116	-12.97	-5.40	-0.43	-8.63e-06	-3.16e-06	-3.80e-04
3121	137	5.50	13.62	0.15	-3.26e-04	7.13e-06	2.62e-04
3121	148	-14.54	-6.21	-0.48	8.96e-06	-3.57e-06	-4.29e-04
3121	169	6.23	15.29	0.18	-3.50e-04	8.06e-06	2.95e-04
3121	180	-14.42	-6.34	-0.48	1.29e-05	-3.60e-06	-4.28e-04
3121	201	6.24	15.65	0.18	-3.55e-04	8.23e-06	2.95e-04
3121	212	-16.84	-7.72	-0.55	4.38e-05	-4.27e-06	-5.08e-04
3121	233	7.39	18.44	0.22	-3.96e-04	9.77e-06	3.46e-04
3121	261	-0.87	0.54	-0.09	-9.60e-05	0.0	1.38e-05
3121	264	-0.99	0.96	-0.06	-1.66e-04	0.0	1.75e-05
3121	276	-0.29	2.18	-0.03	5.31e-04	0.0	6.84e-05
3121	304	-0.34	0.55	-0.07	-9.69e-05	0.0	5.47e-06
3121	305	-0.42	0.84	-0.05	-1.43e-04	0.0	8.77e-06
3121	307	-0.28	1.09	-0.04	-3.57e-06	0.0	1.89e-05
3121	309	-0.21	0.55	-0.07	-9.71e-05	0.0	3.37e-06
3121	310	-0.29	0.85	-0.05	-1.43e-04	0.0	6.68e-06
3122	15	0.20	0.84	-0.15	-1.36e-04	0.0	-2.99e-06
3122	44	-1.48	1.45	-0.08	-2.38e-04	0.0	2.65e-05
3122	68	-0.43	2.76	-0.11	5.96e-04	0.0	2.65e-05
3122	113	12.47	0.33	-0.55	-2.58e-04	0.0	4.01e-04
3122	116	-13.08	1.47	0.36	-3.19e-05	0.0	-3.87e-04
3122	139	-1.34	13.36	0.09	-2.38e-04	-4.52e-06	1.76e-04
3122	145	14.06	0.29	-0.61	-2.72e-04	0.0	4.51e-04
3122	148	-14.66	1.52	0.42	-1.73e-05	0.0	-4.37e-04
3122	171	-1.45	14.98	0.11	-2.50e-04	-5.11e-06	1.99e-04
3122	177	13.93	0.43	-0.60	-2.75e-04	0.0	4.53e-04
3122	180	-14.54	1.38	0.41	-1.49e-05	0.0	-4.39e-04
3122	203	-1.33	15.32	0.11	-2.53e-04	-5.21e-06	2.05e-04
3122	209	16.38	0.45	-0.69	-3.00e-04	0.0	5.35e-04
3122	212	-16.98	1.36	0.50	1.06e-05	0.0	-5.21e-04
3122	235	-1.45	18.03	0.14	-2.73e-04	-6.18e-06	2.43e-04

3122	248	0.12	0.61	-0.11	-9.86e-05	0.0	-1.57e-06
3122	264	-1.00	1.01	-0.06	-1.66e-04	0.0	1.81e-05
3122	276	-0.30	1.88	-0.09	3.89e-04	0.0	1.81e-05
3122	302	-0.15	0.59	-0.10	-9.78e-05	0.0	2.67e-06
3122	305	-0.44	0.90	-0.09	-1.44e-04	0.0	9.02e-06
3122	307	-0.30	1.07	-0.09	-3.32e-05	0.0	9.02e-06
3122	309	-0.22	0.59	-0.10	-9.76e-05	0.0	3.73e-06
3122	310	-0.30	0.90	-0.10	-1.45e-04	0.0	6.90e-06
3123	15	0.20	0.84	-0.14	-1.36e-04	0.0	-3.13e-06
3123	44	-1.48	1.46	-0.09	-2.38e-04	0.0	2.63e-05
3123	68	-0.43	2.77	-0.10	6.45e-04	0.0	2.80e-05
3123	113	12.47	7.10	-0.35	-2.53e-04	0.0	4.00e-04
3123	116	-13.08	-5.29	0.16	-3.59e-05	0.0	-3.87e-04
3123	137	5.55	13.46	-0.13	-2.20e-04	0.0	3.30e-04
3123	145	14.06	7.90	-0.38	-2.67e-04	0.0	4.50e-04
3123	148	-14.67	-6.09	0.19	-2.20e-05	0.0	-4.37e-04
3123	169	6.29	15.10	-0.14	-2.30e-04	0.0	3.71e-04
3123	177	13.94	8.01	-0.37	-2.68e-04	0.0	4.52e-04
3123	180	-14.54	-6.19	0.19	-2.13e-05	0.0	-4.39e-04
3123	201	6.30	15.44	-0.14	-2.31e-04	0.0	3.76e-04
3123	209	16.38	9.35	-0.42	-2.91e-04	0.0	5.35e-04
3123	212	-16.99	-7.53	0.24	2.05e-06	0.0	-5.21e-04
3123	233	7.47	18.18	-0.15	-2.47e-04	0.0	4.44e-04
3123	248	0.12	0.61	-0.11	-9.86e-05	0.0	-1.67e-06
3123	264	-1.01	1.02	-0.07	-1.67e-04	0.0	1.80e-05
3123	276	-0.30	1.89	-0.08	4.22e-04	0.0	1.91e-05
3123	302	-0.15	0.60	-0.10	-9.79e-05	0.0	2.57e-06
3123	305	-0.44	0.90	-0.09	-1.44e-04	0.0	8.91e-06
3123	307	-0.30	1.08	-0.09	-2.66e-05	0.0	9.13e-06
3123	309	-0.22	0.59	-0.10	-9.78e-05	0.0	3.63e-06
3123	310	-0.30	0.91	-0.09	-1.45e-04	0.0	6.78e-06
3124	44	-1.48	1.47	-0.09	-2.38e-04	0.0	2.59e-05
3124	68	-0.43	2.78	-0.09	7.00e-04	0.0	3.00e-05
3124	89	-0.33	0.19	-0.13	-6.05e-04	0.0	-5.47e-06
3124	116	-13.09	-5.31	-0.05	-3.29e-05	0.0	-3.87e-04
3124	118	10.47	0.71	-0.14	-1.96e-04	0.0	1.91e-04
3124	137	5.55	13.56	-0.07	-2.10e-04	0.0	3.27e-04
3124	148	-14.68	-6.11	-0.04	-1.88e-05	0.0	-4.37e-04
3124	150	11.79	0.66	-0.14	-2.02e-04	0.0	2.13e-04
3124	169	6.29	15.22	-0.07	-2.18e-04	0.0	3.68e-04
3124	180	-14.55	-6.23	-0.04	-1.84e-05	0.0	-4.39e-04
3124	182	11.60	0.55	-0.14	-2.01e-04	0.0	2.09e-04
3124	201	6.30	15.56	-0.07	-2.18e-04	0.0	3.72e-04
3124	212	-17.00	-7.59	-0.03	5.05e-06	0.0	-5.21e-04
3124	214	13.58	0.43	-0.15	-2.11e-04	0.0	2.43e-04
3124	233	7.47	18.33	-0.07	-2.32e-04	0.0	4.40e-04
3124	264	-1.01	1.03	-0.07	-1.67e-04	0.0	1.77e-05
3124	276	-0.30	1.90	-0.07	4.59e-04	0.0	2.04e-05
3124	285	-0.24	0.17	-0.10	-4.11e-04	0.0	-3.25e-06
3124	305	-0.44	0.91	-0.08	-1.44e-04	0.0	8.67e-06
3124	307	-0.30	1.08	-0.08	-1.90e-05	0.0	9.22e-06
3124	308	-0.22	0.51	-0.10	-1.61e-04	0.0	2.10e-06
3124	309	-0.22	0.60	-0.10	-9.78e-05	0.0	3.44e-06
3124	310	-0.30	0.91	-0.08	-1.44e-04	0.0	6.55e-06
3125	41	-1.30	0.81	-0.12	-1.33e-04	0.0	2.01e-05
3125	44	-1.49	1.48	-0.09	-2.38e-04	0.0	2.53e-05
3125	68	-0.43	2.78	-0.06	7.59e-04	0.0	3.21e-05
3125	116	-13.09	-5.34	-0.24	-2.62e-05	0.0	-3.87e-04
3125	137	5.55	13.66	0.03	-2.42e-04	0.0	3.24e-04
3125	148	-14.69	-6.15	-0.26	-1.11e-05	0.0	-4.37e-04
3125	169	6.29	15.33	0.05	-2.54e-04	0.0	3.65e-04
3125	180	-14.56	-6.27	-0.26	-9.70e-06	0.0	-4.39e-04
3125	201	6.30	15.69	0.05	-2.56e-04	0.0	3.69e-04
3125	212	-17.01	-7.65	-0.30	1.59e-05	0.0	-5.21e-04
3125	233	7.46	18.47	0.07	-2.77e-04	0.0	4.36e-04
3125	261	-0.88	0.58	-0.09	-9.63e-05	0.0	1.38e-05
3125	264	-1.01	1.04	-0.07	-1.66e-04	0.0	1.73e-05
3125	276	-0.30	1.90	-0.06	4.98e-04	0.0	2.18e-05
3125	304	-0.35	0.59	-0.09	-9.73e-05	0.0	5.30e-06
3125	305	-0.44	0.91	-0.07	-1.44e-04	0.0	8.36e-06
3125	307	-0.30	1.08	-0.07	-1.07e-05	0.0	9.27e-06
3125	309	-0.22	0.60	-0.09	-9.76e-05	0.0	3.18e-06
3125	310	-0.30	0.91	-0.07	-1.44e-04	0.0	6.24e-06
3126	41	-1.30	0.82	-0.12	-1.33e-04	0.0	1.98e-05
3126	44	-1.49	1.50	-0.07	-2.37e-04	0.0	2.48e-05

3126	68	-0.43	2.79	-0.03	8.27e-04	0.0	3.32e-05
3126	116	-13.10	-5.37	-0.43	-1.13e-05	-2.51e-06	-3.88e-04
3126	137	5.55	13.77	0.15	-3.15e-04	5.70e-06	3.23e-04
3126	148	-14.69	-6.18	-0.48	5.89e-06	-2.82e-06	-4.37e-04
3126	169	6.29	15.45	0.18	-3.38e-04	6.45e-06	3.64e-04
3126	180	-14.57	-6.32	-0.48	9.50e-06	-2.85e-06	-4.39e-04
3126	201	6.30	15.81	0.18	-3.42e-04	6.58e-06	3.68e-04
3126	212	-17.02	-7.71	-0.55	3.97e-05	-3.38e-06	-5.22e-04
3126	233	7.46	18.62	0.22	-3.80e-04	7.82e-06	4.35e-04
3126	261	-0.88	0.59	-0.09	-9.61e-05	0.0	1.35e-05
3126	264	-1.01	1.04	-0.06	-1.66e-04	0.0	1.69e-05
3126	276	-0.30	1.91	-0.03	5.43e-04	0.0	2.25e-05
3126	304	-0.35	0.60	-0.07	-9.69e-05	0.0	5.06e-06
3126	305	-0.44	0.92	-0.05	-1.43e-04	0.0	8.07e-06
3126	307	-0.30	1.09	-0.04	-1.07e-06	0.0	9.19e-06
3126	309	-0.22	0.60	-0.07	-9.72e-05	0.0	2.94e-06
3126	310	-0.30	0.92	-0.05	-1.43e-04	0.0	5.95e-06
3127	28	-1.19	1.55	0.33	-2.69e-04	0.0	3.08e-05
3127	44	-1.51	1.36	0.30	-2.35e-04	0.0	3.27e-05
3127	68	-0.46	3.45	0.26	5.89e-04	1.63e-06	-3.69e-04
3127	116	-12.99	-5.69	0.56	2.22e-05	3.55e-06	-4.25e-04
3127	137	5.44	14.04	-0.07	-4.69e-04	-7.02e-06	3.50e-04
3127	148	-14.57	-6.54	0.61	4.38e-05	4.02e-06	-4.80e-04
3127	169	6.16	15.78	-0.09	-5.13e-04	-7.94e-06	3.94e-04
3127	180	-14.44	-6.75	0.60	5.03e-05	4.10e-06	-4.82e-04
3127	201	6.17	16.18	-0.09	-5.22e-04	-8.11e-06	3.98e-04
3127	212	-16.86	-8.24	0.68	8.90e-05	4.90e-06	-5.72e-04
3127	233	7.32	19.10	-0.13	-5.95e-04	-9.64e-06	4.69e-04
3127	256	-0.81	1.08	0.22	-1.87e-04	0.0	2.12e-05
3127	264	-1.03	0.94	0.20	-1.64e-04	0.0	2.25e-05
3127	276	-0.33	2.34	0.17	3.85e-04	1.09e-06	-2.45e-04
3127	301	-0.33	0.83	0.15	-1.47e-04	0.0	1.22e-05
3127	305	-0.46	0.81	0.14	-1.41e-04	0.0	1.37e-05
3127	307	-0.32	1.09	0.13	-3.10e-05	0.0	-3.98e-05
3127	310	-0.32	0.80	0.13	-1.41e-04	0.0	1.19e-05
3128	28	-1.15	1.69	0.33	-2.69e-04	0.0	3.18e-05
3128	44	-1.48	1.47	0.30	-2.35e-04	0.0	3.37e-05
3128	68	-0.43	3.16	0.26	5.97e-04	1.61e-06	-2.31e-04
3128	116	-13.03	-5.69	0.56	1.86e-05	2.27e-06	-4.10e-04
3128	137	5.48	14.27	-0.07	-4.60e-04	-4.49e-06	2.96e-04
3128	148	-14.61	-6.55	0.61	3.97e-05	2.57e-06	-4.63e-04
3128	169	6.21	16.03	-0.10	-5.02e-04	-5.08e-06	3.32e-04
3128	180	-14.48	-6.76	0.61	4.60e-05	2.62e-06	-4.63e-04
3128	201	6.22	16.43	-0.10	-5.12e-04	-5.19e-06	3.34e-04
3128	212	-16.91	-8.27	0.69	8.38e-05	3.14e-06	-5.49e-04
3128	233	7.37	19.39	-0.14	-5.82e-04	-6.17e-06	3.92e-04
3128	256	-0.78	1.17	0.22	-1.87e-04	0.0	2.19e-05
3128	264	-1.00	1.03	0.20	-1.64e-04	0.0	2.32e-05
3128	276	-0.30	2.15	0.17	3.90e-04	1.07e-06	-1.54e-04
3128	301	-0.31	0.90	0.15	-1.47e-04	0.0	1.27e-05
3128	305	-0.44	0.88	0.14	-1.41e-04	0.0	1.42e-05
3128	307	-0.30	1.10	0.13	-3.00e-05	0.0	-2.12e-05
3128	310	-0.30	0.87	0.13	-1.41e-04	0.0	1.23e-05
3129	28	-1.20	1.57	0.22	-2.70e-04	0.0	3.07e-05
3129	44	-1.53	1.37	0.20	-2.36e-04	0.0	3.26e-05
3129	68	-0.47	3.26	0.17	4.03e-04	0.0	-3.79e-04
3129	116	-13.02	-5.74	0.38	0.0	0.0	-4.13e-04
3129	137	5.44	14.15	-0.07	-4.20e-04	0.0	3.05e-04
3129	148	-14.60	-6.60	0.42	1.84e-05	0.0	-4.67e-04
3129	169	6.17	15.91	-0.09	-4.57e-04	0.0	3.42e-04
3129	180	-14.47	-6.82	0.42	2.38e-05	0.0	-4.67e-04
3129	201	6.18	16.31	-0.09	-4.65e-04	0.0	3.44e-04
3129	212	-16.90	-8.34	0.48	5.70e-05	0.0	-5.54e-04
3129	233	7.32	19.25	-0.12	-5.27e-04	0.0	4.05e-04
3129	256	-0.82	1.09	0.15	-1.87e-04	0.0	2.11e-05
3129	264	-1.03	0.95	0.13	-1.65e-04	0.0	2.24e-05
3129	276	-0.33	2.22	0.11	2.61e-04	0.0	-2.52e-04
3129	301	-0.34	0.83	0.09	-1.47e-04	0.0	1.21e-05
3129	305	-0.46	0.81	0.08	-1.41e-04	0.0	1.36e-05
3129	307	-0.32	1.07	0.08	-5.61e-05	0.0	-4.12e-05
3129	310	-0.33	0.81	0.08	-1.41e-04	0.0	1.18e-05
3130	28	-1.15	1.70	0.22	-2.69e-04	0.0	3.19e-05
3130	44	-1.49	1.49	0.20	-2.35e-04	0.0	3.37e-05
3130	68	-0.43	3.06	0.17	4.04e-04	0.0	-2.17e-04
3130	116	-13.03	-5.73	0.38	-1.43e-06	0.0	-4.07e-04

3130	137	5.48	14.36	-0.07	-4.18e-04	0.0	2.83e-04
3130	148	-14.62	-6.60	0.42	1.70e-05	0.0	-4.60e-04
3130	169	6.21	16.13	-0.09	-4.54e-04	0.0	3.18e-04
3130	180	-14.49	-6.82	0.42	2.24e-05	0.0	-4.59e-04
3130	201	6.22	16.54	-0.09	-4.62e-04	0.0	3.19e-04
3130	212	-16.92	-8.35	0.48	5.53e-05	0.0	-5.44e-04
3130	233	7.37	19.51	-0.12	-5.23e-04	0.0	3.74e-04
3130	256	-0.79	1.18	0.15	-1.87e-04	0.0	2.20e-05
3130	264	-1.01	1.04	0.13	-1.65e-04	0.0	2.32e-05
3130	276	-0.31	2.08	0.11	2.62e-04	0.0	-1.44e-04
3130	301	-0.31	0.91	0.09	-1.47e-04	0.0	1.27e-05
3130	305	-0.44	0.88	0.08	-1.41e-04	0.0	1.42e-05
3130	307	-0.30	1.09	0.08	-5.59e-05	0.0	-1.92e-05
3130	310	-0.31	0.88	0.08	-1.41e-04	0.0	1.24e-05
3131	28	-1.20	1.58	0.12	-2.72e-04	0.0	3.06e-05
3131	44	-1.53	1.38	0.10	-2.37e-04	0.0	3.25e-05
3131	68	-0.48	3.07	0.08	2.00e-04	0.0	-3.84e-04
3131	116	-13.03	-5.79	0.20	-4.55e-06	0.0	-4.00e-04
3131	137	5.45	14.23	-0.06	-4.14e-04	0.0	2.57e-04
3131	148	-14.61	-6.66	0.23	1.36e-05	0.0	-4.52e-04
3131	169	6.18	16.00	-0.07	-4.49e-04	0.0	2.88e-04
3131	180	-14.49	-6.89	0.22	1.88e-05	0.0	-4.50e-04
3131	201	6.18	16.40	-0.07	-4.57e-04	0.0	2.87e-04
3131	212	-16.92	-8.42	0.26	5.12e-05	0.0	-5.33e-04
3131	233	7.33	19.36	-0.08	-5.17e-04	0.0	3.36e-04
3131	256	-0.82	1.09	0.07	-1.89e-04	0.0	2.11e-05
3131	264	-1.04	0.96	0.06	-1.66e-04	0.0	2.24e-05
3131	276	-0.34	2.08	0.05	1.25e-04	0.0	-2.56e-04
3131	301	-0.34	0.84	0.03	-1.48e-04	0.0	1.21e-05
3131	305	-0.46	0.82	0.03	-1.42e-04	0.0	1.36e-05
3131	307	-0.32	1.04	0.02	-8.41e-05	0.0	-4.20e-05
3131	310	-0.33	0.81	0.02	-1.42e-04	0.0	1.18e-05
3132	28	-1.16	1.72	0.12	-2.72e-04	0.0	3.20e-05
3132	44	-1.49	1.50	0.10	-2.37e-04	0.0	3.38e-05
3132	68	-0.44	2.97	0.08	1.99e-04	0.0	-2.10e-04
3132	116	-13.04	-5.78	0.21	-6.70e-06	0.0	-4.03e-04
3132	137	5.48	14.43	-0.06	-4.09e-04	0.0	2.66e-04
3132	148	-14.62	-6.65	0.23	1.12e-05	0.0	-4.55e-04
3132	169	6.21	16.22	-0.07	-4.44e-04	0.0	2.98e-04
3132	180	-14.49	-6.89	0.23	1.62e-05	0.0	-4.54e-04
3132	201	6.22	16.63	-0.07	-4.52e-04	0.0	2.98e-04
3132	212	-16.93	-8.43	0.26	4.81e-05	0.0	-5.38e-04
3132	233	7.37	19.62	-0.09	-5.10e-04	0.0	3.48e-04
3132	256	-0.79	1.19	0.07	-1.89e-04	0.0	2.20e-05
3132	264	-1.01	1.05	0.06	-1.66e-04	0.0	2.32e-05
3132	276	-0.31	2.02	0.05	1.25e-04	0.0	-1.40e-04
3132	301	-0.32	0.91	0.03	-1.48e-04	0.0	1.28e-05
3132	305	-0.44	0.89	0.03	-1.42e-04	0.0	1.43e-05
3132	307	-0.30	1.09	0.02	-8.41e-05	0.0	-1.83e-05
3132	310	-0.31	0.88	0.02	-1.42e-04	0.0	1.24e-05
3133	15	0.18	0.70	-0.06	-1.33e-04	0.0	2.92e-06
3133	44	-1.53	1.40	8.77e-03	-2.39e-04	0.0	3.27e-05
3133	68	-0.47	2.87	4.27e-03	-4.98e-06	2.04e-06	-3.89e-04
3133	114	9.84	0.36	-0.08	-1.42e-04	0.0	2.17e-04
3133	116	-13.04	-5.83	0.03	7.78e-06	-2.41e-06	-3.89e-04
3133	137	5.45	14.28	-0.03	-4.45e-04	5.14e-06	2.19e-04
3133	146	11.09	0.29	-0.09	-1.42e-04	0.0	2.42e-04
3133	148	-14.62	-6.70	0.03	2.78e-05	-2.73e-06	-4.39e-04
3133	169	6.18	16.05	-0.03	-4.85e-04	5.81e-06	2.44e-04
3133	178	10.86	0.22	-0.09	-1.42e-04	0.0	2.34e-04
3133	180	-14.49	-6.94	0.03	3.36e-05	-2.82e-06	-4.36e-04
3133	201	6.18	16.46	-0.03	-4.94e-04	5.96e-06	2.40e-04
3133	210	12.69	0.05	-0.10	-1.41e-04	0.0	2.68e-04
3133	212	-16.92	-8.49	0.04	6.92e-05	-3.38e-06	-5.16e-04
3133	233	7.33	19.43	-0.04	-5.60e-04	7.09e-06	2.79e-04
3133	248	0.10	0.51	-0.05	-9.61e-05	0.0	2.63e-06
3133	264	-1.04	0.97	-3.49e-03	-1.67e-04	0.0	2.25e-05
3133	276	-0.33	1.95	-6.49e-03	-1.11e-05	1.36e-06	-2.58e-04
3133	302	-0.17	0.52	-0.05	-9.64e-05	0.0	6.26e-06
3133	305	-0.46	0.83	-0.02	-1.43e-04	0.0	1.37e-05
3133	307	-0.32	1.02	-0.02	-1.12e-04	0.0	-4.25e-05
3133	309	-0.23	0.53	-0.05	-9.65e-05	0.0	7.17e-06
3133	310	-0.33	0.82	-0.02	-1.43e-04	0.0	1.18e-05
3134	15	0.20	0.76	-0.06	-1.33e-04	0.0	3.25e-06
3134	44	-1.49	1.52	0.01	-2.40e-04	0.0	3.37e-05

3134	68	-0.44	2.87	5.48e-03	-4.63e-06	2.06e-06	-2.08e-04
3134	114	9.89	0.42	-0.07	-1.44e-04	0.0	2.10e-04
3134	116	-13.05	-5.82	0.02	5.47e-06	-1.71e-06	-4.01e-04
3134	137	5.48	14.50	-0.03	-4.40e-04	3.62e-06	2.54e-04
3134	146	11.14	0.35	-0.08	-1.44e-04	0.0	2.34e-04
3134	148	-14.63	-6.71	0.03	2.52e-05	-1.94e-06	-4.52e-04
3134	169	6.22	16.29	-0.03	-4.78e-04	4.09e-06	2.85e-04
3134	178	10.91	0.28	-0.08	-1.43e-04	0.0	2.25e-04
3134	180	-14.50	-6.95	0.03	3.09e-05	-2.01e-06	-4.51e-04
3134	201	6.22	16.70	-0.03	-4.87e-04	4.20e-06	2.83e-04
3134	210	12.74	0.11	-0.09	-1.42e-04	0.0	2.58e-04
3134	212	-16.94	-8.51	0.04	6.60e-05	-2.41e-06	-5.34e-04
3134	233	7.37	19.71	-0.03	-5.53e-04	4.99e-06	3.31e-04
3134	248	0.11	0.55	-0.05	-9.63e-05	0.0	2.88e-06
3134	264	-1.01	1.06	-2.36e-03	-1.68e-04	0.0	2.32e-05
3134	276	-0.31	1.96	-5.65e-03	-1.09e-05	1.37e-06	-1.38e-04
3134	302	-0.15	0.57	-0.05	-9.67e-05	0.0	6.54e-06
3134	305	-0.44	0.90	-0.02	-1.44e-04	0.0	1.43e-05
3134	307	-0.30	1.08	-0.02	-1.12e-04	0.0	-1.79e-05
3134	309	-0.22	0.57	-0.05	-9.68e-05	0.0	7.46e-06
3134	310	-0.31	0.89	-0.02	-1.44e-04	0.0	1.24e-05
3135	28	-1.15	1.82	0.33	-2.69e-04	0.0	3.19e-05
3135	44	-1.49	1.59	0.30	-2.35e-04	0.0	3.39e-05
3135	68	-0.43	2.85	0.26	6.20e-04	1.90e-06	-3.13e-05
3135	116	-13.15	-5.68	0.56	1.37e-05	0.0	-3.98e-04
3135	137	5.54	14.49	-0.07	-4.49e-04	-2.71e-06	2.69e-04
3135	148	-14.74	-6.55	0.61	3.41e-05	0.0	-4.50e-04
3135	169	6.28	16.27	-0.09	-4.89e-04	-3.07e-06	3.02e-04
3135	180	-14.61	-6.77	0.61	4.02e-05	0.0	-4.49e-04
3135	201	6.29	16.68	-0.10	-4.98e-04	-3.14e-06	3.02e-04
3135	212	-17.07	-8.29	0.69	7.68e-05	0.0	-5.32e-04
3135	233	7.45	19.66	-0.14	-5.66e-04	-3.73e-06	3.54e-04
3135	256	-0.78	1.26	0.22	-1.87e-04	0.0	2.20e-05
3135	264	-1.01	1.11	0.20	-1.64e-04	0.0	2.33e-05
3135	276	-0.30	1.95	0.17	4.05e-04	1.27e-06	-2.02e-05
3135	301	-0.31	0.98	0.15	-1.47e-04	0.0	1.26e-05
3135	305	-0.44	0.95	0.14	-1.41e-04	0.0	1.42e-05
3135	307	-0.29	1.12	0.13	-2.71e-05	0.0	5.49e-06
3135	310	-0.30	0.94	0.13	-1.41e-04	0.0	1.23e-05
3136	28	-1.15	1.84	0.22	-2.68e-04	0.0	3.29e-05
3136	44	-1.49	1.61	0.20	-2.34e-04	0.0	3.47e-05
3136	68	-0.43	2.86	0.17	4.07e-04	0.0	-3.00e-05
3136	116	-13.15	-5.72	0.38	-1.90e-06	0.0	-4.01e-04
3136	137	5.54	14.56	-0.07	-4.16e-04	0.0	2.68e-04
3136	148	-14.74	-6.60	0.42	1.64e-05	0.0	-4.53e-04
3136	169	6.28	16.35	-0.09	-4.52e-04	0.0	3.01e-04
3136	180	-14.62	-6.83	0.42	2.17e-05	0.0	-4.52e-04
3136	201	6.29	16.76	-0.09	-4.60e-04	0.0	3.00e-04
3136	212	-17.07	-8.37	0.48	5.45e-05	0.0	-5.35e-04
3136	233	7.45	19.77	-0.12	-5.21e-04	0.0	3.52e-04
3136	256	-0.78	1.27	0.15	-1.86e-04	0.0	2.27e-05
3136	264	-1.01	1.12	0.13	-1.64e-04	0.0	2.39e-05
3136	276	-0.30	1.95	0.11	2.64e-04	0.0	-1.93e-05
3136	301	-0.31	0.98	0.09	-1.46e-04	0.0	1.31e-05
3136	305	-0.43	0.95	0.08	-1.41e-04	0.0	1.47e-05
3136	307	-0.29	1.12	0.08	-5.50e-05	0.0	6.08e-06
3136	310	-0.30	0.95	0.08	-1.40e-04	0.0	1.28e-05
3137	28	-1.15	1.85	0.12	-2.71e-04	0.0	3.37e-05
3137	44	-1.49	1.62	0.10	-2.37e-04	0.0	3.52e-05
3137	68	-0.43	2.87	0.08	1.97e-04	0.0	-2.75e-05
3137	116	-13.15	-5.76	0.21	-8.40e-06	0.0	-4.04e-04
3137	137	5.54	14.63	-0.06	-4.04e-04	0.0	2.66e-04
3137	148	-14.75	-6.65	0.23	9.24e-06	0.0	-4.56e-04
3137	169	6.28	16.43	-0.07	-4.39e-04	0.0	2.99e-04
3137	180	-14.62	-6.88	0.23	1.41e-05	0.0	-4.55e-04
3137	201	6.28	16.84	-0.07	-4.46e-04	0.0	2.98e-04
3137	212	-17.08	-8.44	0.26	4.55e-05	0.0	-5.39e-04
3137	233	7.45	19.86	-0.08	-5.04e-04	0.0	3.49e-04
3137	256	-0.78	1.28	0.07	-1.89e-04	0.0	2.32e-05
3137	264	-1.01	1.13	0.06	-1.66e-04	0.0	2.43e-05
3137	276	-0.30	1.96	0.05	1.24e-04	0.0	-1.76e-05
3137	301	-0.31	0.99	0.03	-1.48e-04	0.0	1.36e-05
3137	305	-0.43	0.96	0.03	-1.42e-04	0.0	1.51e-05
3137	307	-0.29	1.13	0.02	-8.41e-05	0.0	6.76e-06
3137	310	-0.30	0.95	0.02	-1.42e-04	0.0	1.33e-05

3138	15	0.20	0.83	-0.06	-1.34e-04	0.0	3.34e-06
3138	44	-1.48	1.64	0.01	-2.41e-04	0.0	3.43e-05
3138	68	-0.43	2.88	5.65e-03	-1.12e-05	1.78e-06	-2.66e-05
3138	114	9.99	0.49	-0.07	-1.46e-04	0.0	2.12e-04
3138	116	-13.15	-5.81	0.02	1.31e-06	-1.35e-06	-4.03e-04
3138	137	5.53	14.71	-0.03	-4.32e-04	2.81e-06	2.62e-04
3138	146	11.25	0.41	-0.08	-1.46e-04	0.0	2.36e-04
3138	148	-14.74	-6.70	0.03	2.06e-05	-1.52e-06	-4.56e-04
3138	169	6.27	16.51	-0.03	-4.70e-04	3.18e-06	2.93e-04
3138	178	11.02	0.34	-0.08	-1.45e-04	0.0	2.28e-04
3138	180	-14.62	-6.95	0.03	2.60e-05	-1.57e-06	-4.54e-04
3138	201	6.28	16.93	-0.03	-4.78e-04	3.26e-06	2.92e-04
3138	210	12.87	0.17	-0.09	-1.45e-04	0.0	2.61e-04
3138	212	-17.07	-8.53	0.04	6.03e-05	-1.89e-06	-5.38e-04
3138	233	7.44	19.97	-0.03	-5.42e-04	3.88e-06	3.42e-04
3138	248	0.12	0.60	-0.05	-9.70e-05	0.0	2.95e-06
3138	264	-1.01	1.14	-2.26e-03	-1.69e-04	0.0	2.36e-05
3138	276	-0.30	1.97	-5.52e-03	-1.53e-05	1.18e-06	-1.70e-05
3138	302	-0.15	0.62	-0.05	-9.73e-05	0.0	6.64e-06
3138	305	-0.43	0.97	-0.02	-1.45e-04	0.0	1.46e-05
3138	307	-0.29	1.13	-0.02	-1.14e-04	0.0	6.51e-06
3138	309	-0.21	0.62	-0.05	-9.74e-05	0.0	7.57e-06
3138	310	-0.30	0.96	-0.02	-1.44e-04	0.0	1.28e-05
3139	28	-0.29	0.23	0.13	-2.05e-04	0.0	1.31e-05
3139	43	-0.48	0.20	0.12	-1.65e-04	0.0	1.41e-05
3139	68	-3.35e-03	1.28	0.08	-1.15e-03	-2.48e-06	-2.28e-04
3139	116	-5.75	-2.97	0.50	7.74e-04	0.0	-2.07e-04
3139	137	2.51	6.37	-0.16	-1.90e-03	0.0	1.21e-04
3139	148	-6.46	-3.37	0.56	8.89e-04	0.0	-2.34e-04
3139	169	2.82	7.20	-0.18	-2.14e-03	0.0	1.36e-04
3139	180	-6.39	-3.47	0.55	9.18e-04	0.0	-2.33e-04
3139	201	2.82	7.38	-0.18	-2.19e-03	0.0	1.34e-04
3139	212	-7.49	-4.17	0.64	1.12e-03	0.0	-2.75e-04
3139	233	3.31	8.76	-0.22	-2.59e-03	0.0	1.57e-04
3139	256	-0.20	0.16	0.09	-1.42e-04	0.0	8.95e-06
3139	263	-0.32	0.14	0.08	-1.15e-04	0.0	9.64e-06
3139	276	-2.43e-03	0.86	0.05	-7.74e-04	-1.65e-06	-1.52e-04
3139	305	-0.07	0.12	0.05	-1.08e-04	0.0	5.52e-06
3139	307	-4.98e-03	0.26	0.04	-2.38e-04	0.0	-2.68e-05
3139	310	-5.48e-03	0.11	0.04	-1.07e-04	0.0	4.56e-06
3140	28	-0.29	0.34	0.13	-2.05e-04	0.0	1.51e-05
3140	41	-0.49	0.18	0.06	-9.52e-05	0.0	1.22e-05
3140	68	0.01	1.88	0.08	-1.11e-03	1.18e-06	-2.93e-04
3140	113	6.04	3.71	-0.41	-9.84e-04	0.0	2.54e-04
3140	116	-6.03	-3.38	0.50	7.69e-04	0.0	-2.43e-04
3140	137	2.65	7.38	-0.16	-1.89e-03	0.0	1.70e-04
3140	145	6.78	4.18	-0.47	-1.10e-03	0.0	2.85e-04
3140	148	-6.78	-3.84	0.55	8.84e-04	0.0	-2.74e-04
3140	169	2.98	8.32	-0.18	-2.13e-03	0.0	1.91e-04
3140	177	6.72	4.29	-0.46	-1.13e-03	0.0	2.85e-04
3140	180	-6.71	-3.95	0.55	9.12e-04	0.0	-2.74e-04
3140	201	2.98	8.54	-0.18	-2.18e-03	0.0	1.91e-04
3140	209	7.87	5.10	-0.55	-1.33e-03	1.00e-06	3.36e-04
3140	212	-7.86	-4.76	0.63	1.11e-03	0.0	-3.25e-04
3140	233	3.50	10.12	-0.22	-2.57e-03	0.0	2.25e-04
3140	256	-0.19	0.24	0.08	-1.42e-04	0.0	1.04e-05
3140	261	-0.33	0.12	0.04	-6.87e-05	0.0	8.41e-06
3140	276	9.08e-03	1.26	0.05	-7.46e-04	0.0	-1.95e-04
3140	298	4.92e-03	0.18	0.05	-1.14e-04	0.0	5.80e-06
3140	304	-0.06	0.11	0.02	-6.78e-05	0.0	4.33e-06
3140	307	5.12e-03	0.38	0.04	-2.32e-04	0.0	-3.48e-05
3140	310	4.51e-03	0.17	0.04	-1.08e-04	0.0	5.45e-06
3141	28	-0.29	0.13	0.07	-2.11e-04	9.87e-05	1.21e-05
3141	43	-0.47	0.12	0.06	-1.72e-04	1.01e-04	1.36e-05
3141	68	-9.20e-03	0.65	0.03	-4.58e-04	7.04e-05	1.93e-06
3141	116	-5.49	-2.56	0.30	8.32e-04	4.22e-04	-1.65e-04
3141	137	2.39	5.37	-0.11	-1.98e-03	-1.18e-04	-7.22e-06
3141	148	-6.17	-2.91	0.33	9.56e-04	4.68e-04	-1.86e-04
3141	169	2.69	6.07	-0.13	-2.23e-03	-1.39e-04	-8.69e-06
3141	180	-6.11	-2.99	0.33	9.89e-04	4.65e-04	-1.84e-04
3141	201	2.68	6.23	-0.13	-2.29e-03	-1.39e-04	-7.94e-06
3141	212	-7.15	-3.59	0.38	1.21e-03	5.36e-04	-2.18e-04
3141	233	3.15	7.40	-0.15	-2.70e-03	-1.72e-04	-9.99e-06
3141	256	-0.19	0.09	0.04	-1.46e-04	6.98e-05	8.26e-06
3141	263	-0.31	0.08	0.03	-1.20e-04	7.12e-05	9.25e-06

3141	276	-6.46e-03	0.44	0.02	-3.11e-04	5.09e-05	1.48e-06
3141	305	-0.07	0.06	0.02	-1.10e-04	5.32e-05	4.99e-06
3141	307	-7.99e-03	0.13	0.01	-1.46e-04	4.90e-05	3.39e-06
3141	310	-8.44e-03	0.06	0.01	-1.09e-04	4.92e-05	3.99e-06
3142	28	-0.29	0.24	0.07	-2.07e-04	0.0	1.36e-05
3142	43	-0.48	0.21	0.06	-1.67e-04	0.0	1.44e-05
3142	68	-4.65e-03	1.18	0.03	-9.89e-04	0.0	-2.16e-04
3142	116	-5.75	-2.98	0.30	7.86e-04	0.0	-2.08e-04
3142	137	2.51	6.40	-0.12	-1.92e-03	0.0	-1.18e-05
3142	148	-6.47	-3.39	0.34	9.04e-04	0.0	-2.35e-04
3142	169	2.83	7.23	-0.13	-2.16e-03	0.0	-1.40e-05
3142	180	-6.40	-3.49	0.34	9.34e-04	0.0	-2.33e-04
3142	201	2.82	7.41	-0.13	-2.22e-03	0.0	-1.38e-05
3142	212	-7.50	-4.20	0.39	1.14e-03	0.0	-2.76e-04
3142	233	3.32	8.80	-0.16	-2.62e-03	0.0	-1.73e-05
3142	256	-0.20	0.16	0.04	-1.43e-04	0.0	9.34e-06
3142	263	-0.32	0.14	0.03	-1.16e-04	0.0	9.85e-06
3142	276	-3.29e-03	0.79	0.02	-6.65e-04	0.0	-1.44e-04
3142	298	-6.20e-03	0.12	0.02	-1.15e-04	0.0	5.26e-06
3142	305	-0.07	0.12	0.02	-1.09e-04	0.0	5.85e-06
3142	307	-5.55e-03	0.25	0.01	-2.17e-04	0.0	-2.50e-05
3142	310	-6.01e-03	0.11	0.01	-1.08e-04	0.0	4.93e-06
3143	15	0.22	0.03	-0.04	-9.13e-05	2.69e-05	0.0
3143	43	-0.47	0.13	8.98e-03	-1.72e-04	8.61e-05	1.54e-05
3143	68	-9.76e-03	0.65	-8.08e-04	-4.58e-04	5.98e-05	7.19e-06
3143	113	5.47	2.69	-0.11	-1.05e-03	-2.72e-04	1.74e-04
3143	116	-5.49	-2.57	0.09	8.32e-04	3.54e-04	-1.64e-04
3143	137	2.39	5.39	-0.05	-1.98e-03	-1.00e-04	-4.82e-06
3143	145	6.15	3.03	-0.12	-1.17e-03	-3.11e-04	1.96e-04
3143	148	-6.17	-2.92	0.10	9.56e-04	3.93e-04	-1.85e-04
3143	169	2.69	6.09	-0.06	-2.23e-03	-1.18e-04	-6.09e-06
3143	177	6.09	3.12	-0.12	-1.21e-03	-3.08e-04	1.94e-04
3143	180	-6.11	-3.00	0.10	9.89e-04	3.90e-04	-1.84e-04
3143	201	2.68	6.25	-0.06	-2.29e-03	-1.18e-04	-5.04e-06
3143	209	7.13	3.73	-0.14	-1.43e-03	-3.68e-04	2.28e-04
3143	212	-7.15	-3.61	0.12	1.21e-03	4.49e-04	-2.17e-04
3143	233	3.15	7.42	-0.07	-2.70e-03	-1.46e-04	-6.67e-06
3143	248	0.15	0.02	-0.03	-6.63e-05	2.09e-05	0.0
3143	263	-0.31	0.09	7.21e-04	-1.20e-04	6.03e-05	1.05e-05
3143	276	-6.83e-03	0.44	-5.80e-03	-3.11e-04	4.28e-05	5.05e-06
3143	302	0.02	0.03	-0.03	-6.81e-05	2.78e-05	2.62e-06
3143	305	-0.07	0.06	-9.66e-03	-1.10e-04	4.44e-05	6.13e-06
3143	307	-8.18e-03	0.13	-0.01	-1.46e-04	4.07e-05	4.97e-06
3143	309	-6.39e-03	0.03	-0.03	-6.86e-05	2.96e-05	3.13e-06
3143	310	-8.59e-03	0.06	-0.01	-1.09e-04	4.09e-05	5.11e-06
3144	15	0.23	0.08	-0.04	-9.37e-05	0.0	1.02e-06
3144	43	-0.48	0.22	9.64e-03	-1.67e-04	0.0	1.45e-05
3144	68	-5.42e-03	1.09	-8.87e-04	-8.12e-04	0.0	-2.02e-04
3144	113	5.74	3.23	-0.11	-1.01e-03	0.0	2.21e-04
3144	116	-5.76	-3.00	0.09	7.93e-04	0.0	-2.11e-04
3144	137	2.51	6.42	-0.05	-1.93e-03	0.0	-4.22e-06
3144	145	6.46	3.64	-0.12	-1.13e-03	0.0	2.48e-04
3144	148	-6.47	-3.40	0.10	9.12e-04	0.0	-2.37e-04
3144	169	2.83	7.25	-0.06	-2.17e-03	0.0	-5.46e-06
3144	177	6.39	3.74	-0.12	-1.16e-03	0.0	2.46e-04
3144	180	-6.41	-3.51	0.10	9.44e-04	0.0	-2.36e-04
3144	201	2.82	7.44	-0.06	-2.23e-03	0.0	-4.52e-06
3144	209	7.49	4.46	-0.14	-1.37e-03	0.0	2.89e-04
3144	212	-7.50	-4.23	0.12	1.15e-03	0.0	-2.78e-04
3144	233	3.32	8.83	-0.07	-2.63e-03	0.0	-6.19e-06
3144	248	0.15	0.06	-0.03	-6.78e-05	0.0	0.0
3144	263	-0.32	0.15	1.09e-03	-1.16e-04	0.0	9.91e-06
3144	276	-3.82e-03	0.73	-5.93e-03	-5.47e-04	0.0	-1.34e-04
3144	302	0.03	0.07	-0.03	-6.81e-05	0.0	2.68e-06
3144	305	-0.07	0.12	-9.71e-03	-1.09e-04	0.0	6.06e-06
3144	307	-5.87e-03	0.24	-0.01	-1.93e-04	0.0	-2.29e-05
3144	309	-5.09e-03	0.07	-0.03	-6.82e-05	0.0	3.12e-06
3144	310	-6.31e-03	0.12	-0.01	-1.09e-04	0.0	5.19e-06
3145	43	-0.47	0.13	-0.03	-1.72e-04	6.42e-05	1.20e-05
3145	68	-9.99e-03	0.66	-0.03	-4.58e-04	4.52e-05	2.31e-05
3145	89	-0.01	-0.23	-0.05	4.59e-05	2.79e-05	-2.40e-06
3145	116	-5.49	-2.59	-0.10	8.32e-04	2.30e-04	-2.05e-04
3145	137	2.39	5.41	7.17e-03	-1.98e-03	-6.10e-05	1.44e-05
3145	148	-6.17	-2.93	-0.11	9.56e-04	2.55e-04	-2.31e-04
3145	169	2.69	6.11	0.01	-2.23e-03	-7.25e-05	1.59e-05

3145	180	-6.11	-3.02	-0.11	9.89e-04	2.53e-04	-2.28e-04
3145	201	2.68	6.27	0.01	-2.29e-03	-7.26e-05	1.95e-05
3145	212	-7.15	-3.64	-0.12	1.21e-03	2.91e-04	-2.69e-04
3145	233	3.15	7.45	0.02	-2.70e-03	-9.07e-05	2.29e-05
3145	263	-0.31	0.09	-0.03	-1.20e-04	4.46e-05	8.21e-06
3145	276	-6.99e-03	0.44	-0.02	-3.11e-04	3.19e-05	1.56e-05
3145	285	-7.40e-03	-0.15	-0.04	2.52e-05	2.03e-05	-1.37e-06
3145	305	-0.07	0.07	-0.03	-1.10e-04	3.26e-05	6.05e-06
3145	307	-8.25e-03	0.13	-0.03	-1.46e-04	2.99e-05	7.45e-06
3145	308	-6.62e-03	-3.33e-03	-0.04	-4.98e-05	1.99e-05	2.32e-06
3145	309	-6.42e-03	0.03	-0.04	-6.86e-05	1.98e-05	3.25e-06
3145	310	-8.64e-03	0.06	-0.03	-1.09e-04	3.01e-05	5.61e-06
3146	15	0.23	0.08	-0.05	-9.37e-05	0.0	1.40e-06
3146	43	-0.48	0.22	-0.03	-1.67e-04	0.0	1.45e-05
3146	68	-6.09e-03	1.00	-0.03	-6.39e-04	-1.84e-06	-1.78e-04
3146	116	-5.76	-3.01	-0.10	7.98e-04	-2.26e-06	-2.12e-04
3146	137	2.51	6.44	5.94e-03	-1.94e-03	2.58e-06	1.76e-06
3146	148	-6.47	-3.42	-0.11	9.18e-04	-2.55e-06	-2.39e-04
3146	169	2.83	7.27	0.01	-2.18e-03	2.92e-06	1.33e-06
3146	180	-6.41	-3.53	-0.11	9.52e-04	-2.59e-06	-2.37e-04
3146	201	2.82	7.46	0.01	-2.23e-03	2.98e-06	3.01e-06
3146	212	-7.50	-4.26	-0.12	1.16e-03	-3.08e-06	-2.80e-04
3146	233	3.32	8.85	0.02	-2.64e-03	3.54e-06	2.90e-06
3146	248	0.15	0.06	-0.04	-6.78e-05	0.0	1.20e-06
3146	263	-0.32	0.15	-0.03	-1.17e-04	0.0	9.91e-06
3146	276	-4.29e-03	0.67	-0.02	-4.31e-04	-1.22e-06	-1.18e-04
3146	302	0.03	0.07	-0.04	-6.82e-05	0.0	2.84e-06
3146	305	-0.07	0.12	-0.03	-1.09e-04	0.0	6.25e-06
3146	307	-6.16e-03	0.23	-0.03	-1.71e-04	0.0	-1.94e-05
3146	309	-5.33e-03	0.07	-0.04	-6.83e-05	0.0	3.26e-06
3146	310	-6.56e-03	0.12	-0.03	-1.09e-04	0.0	5.43e-06
3147	28	-0.29	0.35	0.07	-2.07e-04	0.0	1.50e-05
3147	41	-0.49	0.18	0.02	-9.58e-05	0.0	1.17e-05
3147	68	0.01	1.71	0.03	-9.84e-04	0.0	-3.35e-04
3147	113	5.99	3.74	-0.28	-1.00e-03	0.0	2.55e-04
3147	116	-5.98	-3.40	0.30	7.84e-04	0.0	-2.44e-04
3147	137	2.63	7.42	-0.12	-1.92e-03	0.0	1.50e-04
3147	145	6.73	4.21	-0.32	-1.12e-03	0.0	2.86e-04
3147	148	-6.73	-3.87	0.34	9.01e-04	0.0	-2.75e-04
3147	169	2.96	8.38	-0.13	-2.16e-03	0.0	1.68e-04
3147	177	6.67	4.33	-0.31	-1.15e-03	0.0	2.86e-04
3147	180	-6.66	-3.98	0.34	9.31e-04	0.0	-2.74e-04
3147	201	2.95	8.59	-0.13	-2.21e-03	0.0	1.68e-04
3147	209	7.81	5.15	-0.37	-1.35e-03	0.0	3.36e-04
3147	212	-7.80	-4.80	0.39	1.14e-03	0.0	-3.25e-04
3147	233	3.47	10.19	-0.16	-2.61e-03	0.0	1.96e-04
3147	256	-0.19	0.24	0.04	-1.43e-04	0.0	1.03e-05
3147	261	-0.32	0.13	7.83e-03	-6.91e-05	0.0	8.09e-06
3147	276	7.97e-03	1.15	0.02	-6.62e-04	0.0	-2.23e-04
3147	298	4.31e-03	0.18	0.02	-1.15e-04	0.0	5.89e-06
3147	304	-0.06	0.11	-7.27e-03	-6.82e-05	0.0	4.30e-06
3147	307	4.52e-03	0.36	0.01	-2.16e-04	0.0	-4.04e-05
3147	310	3.98e-03	0.17	0.01	-1.08e-04	0.0	5.53e-06
3148	15	0.25	0.13	-0.04	-9.36e-05	0.0	1.22e-06
3148	41	-0.49	0.19	-0.02	-9.58e-05	0.0	1.17e-05
3148	68	8.30e-03	1.52	-1.09e-03	-8.10e-04	0.0	-3.26e-04
3148	113	5.97	3.76	-0.11	-1.01e-03	0.0	2.53e-04
3148	137	2.62	7.45	-0.06	-1.93e-03	0.0	-9.66e-06
3148	145	6.71	4.24	-0.13	-1.13e-03	0.0	2.84e-04
3148	169	2.94	8.41	-0.06	-2.17e-03	0.0	-1.17e-05
3148	177	6.64	4.36	-0.13	-1.16e-03	0.0	2.83e-04
3148	201	2.94	8.62	-0.06	-2.22e-03	0.0	-1.12e-05
3148	209	7.77	5.19	-0.15	-1.37e-03	0.0	3.32e-04
3148	233	3.45	10.23	-0.07	-2.63e-03	0.0	-1.43e-05
3148	248	0.16	0.09	-0.03	-6.77e-05	0.0	1.09e-06
3148	261	-0.33	0.13	-0.02	-6.92e-05	0.0	8.09e-06
3148	276	5.95e-03	1.02	-6.08e-03	-5.45e-04	0.0	-2.17e-04
3148	302	0.03	0.10	-0.03	-6.81e-05	0.0	2.96e-06
3148	304	-0.06	0.11	-0.03	-6.84e-05	0.0	4.36e-06
3148	307	2.87e-03	0.34	-0.01	-1.93e-04	0.0	-3.90e-05
3148	309	8.75e-04	0.11	-0.03	-6.82e-05	0.0	3.43e-06
3148	310	2.38e-03	0.17	-0.01	-1.09e-04	0.0	5.65e-06
3149	15	0.24	0.13	-0.05	-9.33e-05	0.0	1.59e-06
3149	41	-0.49	0.19	-0.05	-9.66e-05	0.0	1.22e-05
3149	68	4.22e-03	1.34	-0.03	-6.38e-04	0.0	-2.49e-04

3149	116	-5.96	-3.43	-0.10	7.97e-04	-4.18e-06	-2.40e-04
3149	137	2.61	7.46	6.53e-03	-1.93e-03	4.56e-06	-3.19e-06
3149	148	-6.70	-3.91	-0.11	9.16e-04	-4.72e-06	-2.71e-04
3149	169	2.94	8.42	0.01	-2.17e-03	5.15e-06	-4.37e-06
3149	180	-6.63	-4.03	-0.11	9.49e-04	-4.78e-06	-2.69e-04
3149	201	2.93	8.64	0.01	-2.23e-03	5.26e-06	-2.87e-06
3149	212	-7.77	-4.87	-0.12	1.16e-03	-5.69e-06	-3.18e-04
3149	233	3.45	10.25	0.02	-2.63e-03	6.24e-06	-4.27e-06
3149	248	0.16	0.09	-0.04	-6.75e-05	0.0	1.37e-06
3149	261	-0.33	0.14	-0.04	-6.97e-05	0.0	8.46e-06
3149	276	3.04e-03	0.90	-0.02	-4.30e-04	0.0	-1.65e-04
3149	302	0.03	0.10	-0.04	-6.81e-05	0.0	3.26e-06
3149	304	-0.07	0.11	-0.04	-6.86e-05	0.0	4.67e-06
3149	307	3.42e-04	0.32	-0.03	-1.70e-04	0.0	-2.84e-05
3149	309	-9.83e-04	0.11	-0.04	-6.83e-05	0.0	3.73e-06
3149	310	-1.02e-04	0.18	-0.03	-1.09e-04	0.0	6.10e-06
3150	43	-0.50	0.27	-0.11	-1.86e-04	0.0	1.80e-05
3150	44	-0.50	0.29	-0.12	-1.99e-04	0.0	1.85e-05
3150	68	-0.02	1.50	-0.07	-1.46e-03	5.91e-06	2.68e-04
3150	116	-5.77	-3.20	-0.47	9.26e-04	7.00e-06	-1.75e-04
3150	129	3.35	6.62	0.21	-2.14e-03	-1.32e-05	2.20e-04
3150	148	-6.48	-3.64	-0.53	1.06e-03	7.91e-06	-1.98e-04
3150	161	3.77	7.49	0.24	-2.41e-03	-1.50e-05	2.48e-04
3150	180	-6.42	-3.77	-0.52	1.10e-03	8.17e-06	-1.97e-04
3150	193	3.81	7.77	0.25	-2.50e-03	-1.55e-05	2.52e-04
3150	212	-7.51	-4.56	-0.60	1.35e-03	9.80e-06	-2.34e-04
3150	225	4.53	9.33	0.30	-2.99e-03	-1.87e-05	3.01e-04
3150	263	-0.34	0.19	-0.08	-1.30e-04	0.0	1.23e-05
3150	264	-0.34	0.20	-0.08	-1.38e-04	0.0	1.26e-05
3150	276	-0.01	1.00	-0.05	-9.81e-04	3.95e-06	1.79e-04
3150	305	-0.08	0.15	-0.06	-1.18e-04	0.0	6.18e-06
3150	307	-0.01	0.31	-0.06	-2.86e-04	0.0	3.94e-05
3150	310	-0.01	0.14	-0.06	-1.16e-04	0.0	4.73e-06
3151	43	-0.53	0.37	-0.11	-1.86e-04	0.0	1.10e-05
3151	44	-0.52	0.39	-0.12	-1.99e-04	0.0	1.08e-05
3151	68	-0.01	2.27	-0.07	-1.42e-03	-4.89e-06	2.00e-04
3151	116	-6.05	-3.69	-0.47	9.16e-04	5.18e-06	-1.16e-04
3151	129	3.51	7.76	0.21	-2.12e-03	-1.01e-05	-2.49e-05
3151	148	-6.80	-4.21	-0.52	1.05e-03	5.87e-06	-1.30e-04
3151	161	3.96	8.77	0.24	-2.39e-03	-1.15e-05	-2.73e-05
3151	180	-6.74	-4.36	-0.52	1.09e-03	6.04e-06	-1.28e-04
3151	193	4.00	9.09	0.24	-2.48e-03	-1.19e-05	-2.21e-05
3151	212	-7.89	-5.28	-0.60	1.33e-03	7.25e-06	-1.49e-04
3151	225	4.75	10.91	0.30	-2.96e-03	-1.43e-05	-2.51e-05
3151	263	-0.35	0.26	-0.08	-1.30e-04	0.0	7.36e-06
3151	264	-0.35	0.27	-0.08	-1.38e-04	0.0	7.21e-06
3151	276	-0.01	1.52	-0.06	-9.50e-04	-3.27e-06	1.33e-04
3151	305	-0.08	0.21	-0.06	-1.18e-04	0.0	1.55e-06
3151	307	-0.01	0.46	-0.06	-2.80e-04	0.0	2.68e-05
3151	310	-0.01	0.20	-0.06	-1.16e-04	0.0	0.0
3152	44	-0.48	0.16	-0.06	-1.85e-04	3.84e-05	1.80e-05
3152	68	-0.01	0.70	-0.06	-4.69e-04	1.77e-05	0.0
3152	89	-0.01	-0.24	-0.07	5.07e-05	9.27e-06	8.55e-06
3152	113	5.46	2.74	-0.13	-1.07e-03	-1.82e-04	1.54e-04
3152	116	-5.48	-2.60	0.03	8.49e-04	2.04e-04	-1.44e-04
3152	137	2.38	5.38	-0.07	-2.01e-03	-7.85e-05	1.00e-04
3152	145	6.14	3.10	-0.14	-1.19e-03	-2.06e-04	1.73e-04
3152	148	-6.16	-2.96	0.04	9.75e-04	2.28e-04	-1.63e-04
3152	169	2.68	6.08	-0.07	-2.26e-03	-8.98e-05	1.12e-04
3152	177	6.07	3.20	-0.14	-1.23e-03	-2.04e-04	1.72e-04
3152	180	-6.09	-3.06	0.04	1.01e-03	2.26e-04	-1.62e-04
3152	201	2.68	6.25	-0.07	-2.32e-03	-9.00e-05	1.12e-04
3152	209	7.11	3.83	-0.16	-1.45e-03	-2.41e-04	2.02e-04
3152	212	-7.13	-3.69	0.05	1.23e-03	2.63e-04	-1.92e-04
3152	225	4.30	7.43	-0.11	-2.71e-03	-1.50e-04	2.55e-04
3152	264	-0.32	0.11	-0.05	-1.29e-04	2.58e-05	1.22e-05
3152	276	-9.67e-03	0.47	-0.05	-3.18e-04	1.20e-05	0.0
3152	285	-7.31e-03	-0.16	-0.05	2.84e-05	6.38e-06	5.97e-06
3152	305	-0.07	0.07	-0.05	-1.10e-04	1.36e-05	6.27e-06
3152	307	-9.67e-03	0.15	-0.05	-1.48e-04	1.08e-05	3.77e-06
3152	308	-7.05e-03	-1.34e-04	-0.05	-4.94e-05	5.89e-06	3.68e-06
3152	309	-6.98e-03	0.04	-0.05	-6.89e-05	5.77e-06	3.11e-06
3152	310	-9.80e-03	0.07	-0.05	-1.09e-04	1.11e-05	4.92e-06
3153	41	-0.49	0.16	-0.07	-1.07e-04	0.0	1.66e-05
3153	43	-0.49	0.25	-0.07	-1.80e-04	0.0	2.08e-05

3153	68	-0.01	1.10	-0.06	-7.61e-04	2.66e-06	2.76e-04
3153	113	5.75	3.34	-0.13	-1.13e-03	1.62e-06	1.96e-04
3153	116	-5.76	-3.09	0.03	9.05e-04	-1.59e-06	-1.83e-04
3153	137	2.51	6.51	-0.07	-2.11e-03	0.0	1.37e-04
3153	145	6.46	3.77	-0.14	-1.26e-03	1.82e-06	2.20e-04
3153	148	-6.48	-3.51	0.04	1.04e-03	-1.78e-06	-2.07e-04
3153	169	2.83	7.35	-0.07	-2.37e-03	-1.13e-06	1.54e-04
3153	177	6.40	3.89	-0.14	-1.30e-03	1.80e-06	2.20e-04
3153	180	-6.42	-3.64	0.03	1.08e-03	-1.76e-06	-2.06e-04
3153	201	2.82	7.55	-0.07	-2.43e-03	-1.14e-06	1.54e-04
3153	209	7.49	4.65	-0.16	-1.54e-03	2.09e-06	2.58e-04
3153	212	-7.51	-4.39	0.05	1.31e-03	-2.05e-06	-2.45e-04
3153	225	4.53	8.98	-0.11	-2.89e-03	0.0	3.37e-04
3153	261	-0.33	0.11	-0.06	-7.72e-05	0.0	1.15e-05
3153	263	-0.33	0.17	-0.05	-1.25e-04	0.0	1.43e-05
3153	276	-8.63e-03	0.74	-0.05	-5.13e-04	1.78e-06	1.84e-04
3153	304	-0.07	0.08	-0.06	-7.21e-05	0.0	5.76e-06
3153	305	-0.07	0.14	-0.05	-1.13e-04	0.0	8.15e-06
3153	307	-9.32e-03	0.25	-0.05	-1.89e-04	0.0	4.20e-05
3153	309	-7.31e-03	0.08	-0.06	-7.09e-05	0.0	4.33e-06
3153	310	-9.51e-03	0.13	-0.05	-1.12e-04	0.0	6.73e-06
3154	43	-0.48	0.16	-0.09	-1.74e-04	3.19e-05	1.82e-05
3154	44	-0.48	0.16	-0.09	-1.85e-04	3.39e-05	1.85e-05
3154	68	-0.01	0.70	-0.07	-4.69e-04	6.79e-06	-1.86e-06
3154	116	-5.47	-2.64	-0.14	8.49e-04	3.06e-04	-1.41e-04
3154	137	2.38	5.42	-9.27e-03	-2.01e-03	-1.36e-04	1.04e-04
3154	148	-6.15	-3.00	-0.15	9.75e-04	3.44e-04	-1.59e-04
3154	169	2.68	6.12	-3.12e-03	-2.26e-03	-1.54e-04	1.17e-04
3154	180	-6.09	-3.10	-0.15	1.01e-03	3.41e-04	-1.59e-04
3154	201	2.67	6.29	-2.52e-03	-2.32e-03	-1.54e-04	1.17e-04
3154	212	-7.13	-3.74	-0.17	1.23e-03	3.99e-04	-1.88e-04
3154	225	4.29	7.53	0.03	-2.71e-03	-2.47e-04	2.60e-04
3154	263	-0.32	0.11	-0.07	-1.21e-04	2.03e-05	1.24e-05
3154	264	-0.32	0.11	-0.07	-1.29e-04	2.17e-05	1.26e-05
3154	276	-0.01	0.47	-0.05	-3.18e-04	3.63e-06	0.0
3154	305	-0.07	0.08	-0.06	-1.10e-04	6.08e-06	6.40e-06
3154	307	-9.81e-03	0.15	-0.06	-1.48e-04	2.47e-06	3.68e-06
3154	310	-9.89e-03	0.07	-0.06	-1.09e-04	2.73e-06	4.98e-06
3155	43	-0.50	0.26	-0.09	-1.82e-04	0.0	2.05e-05
3155	44	-0.50	0.27	-0.09	-1.94e-04	0.0	2.12e-05
3155	68	-0.01	1.23	-0.07	-1.01e-03	0.0	2.89e-04
3155	116	-5.77	-3.13	-0.14	9.22e-04	0.0	-1.79e-04
3155	137	2.51	6.55	-9.13e-03	-2.13e-03	0.0	1.26e-04
3155	148	-6.48	-3.56	-0.15	1.06e-03	0.0	-2.02e-04
3155	169	2.83	7.40	-2.84e-03	-2.40e-03	0.0	1.41e-04
3155	180	-6.42	-3.69	-0.15	1.10e-03	0.0	-2.01e-04
3155	201	2.82	7.60	-2.23e-03	-2.46e-03	0.0	1.40e-04
3155	212	-7.52	-4.46	-0.17	1.34e-03	0.0	-2.39e-04
3155	225	4.53	9.11	0.03	-2.96e-03	0.0	3.19e-04
3155	263	-0.33	0.18	-0.07	-1.27e-04	0.0	1.40e-05
3155	264	-0.33	0.18	-0.07	-1.35e-04	0.0	1.45e-05
3155	276	-9.79e-03	0.83	-0.06	-6.81e-04	0.0	1.93e-04
3155	305	-0.07	0.14	-0.06	-1.15e-04	0.0	7.88e-06
3155	307	-0.01	0.27	-0.06	-2.24e-04	0.0	4.36e-05
3155	310	-0.01	0.13	-0.06	-1.14e-04	0.0	6.44e-06
3156	44	-0.48	0.17	-0.10	-1.85e-04	2.54e-05	1.77e-05
3156	68	-0.02	0.69	-0.07	-4.69e-04	-4.76e-06	-1.78e-06
3156	116	-5.47	-2.67	-0.32	8.49e-04	3.58e-04	-1.42e-04
3156	137	2.38	5.45	0.07	-2.01e-03	-1.72e-04	1.05e-04
3156	148	-6.15	-3.04	-0.35	9.75e-04	4.04e-04	-1.60e-04
3156	169	2.68	6.16	0.09	-2.26e-03	-1.92e-04	1.18e-04
3156	180	-6.09	-3.14	-0.35	1.01e-03	4.00e-04	-1.60e-04
3156	193	3.61	6.35	0.14	-2.27e-03	-2.56e-04	2.19e-04
3156	212	-7.12	-3.79	-0.40	1.23e-03	4.70e-04	-1.89e-04
3156	225	4.29	7.64	0.17	-2.71e-03	-3.03e-04	2.62e-04
3156	264	-0.32	0.12	-0.07	-1.29e-04	1.49e-05	1.20e-05
3156	276	-0.01	0.47	-0.05	-3.18e-04	-5.20e-06	0.0
3156	305	-0.07	0.08	-0.06	-1.10e-04	-2.39e-06	5.86e-06
3156	307	-9.96e-03	0.15	-0.05	-1.48e-04	-6.41e-06	3.26e-06
3156	310	-9.99e-03	0.07	-0.06	-1.09e-04	-6.16e-06	4.44e-06
3157	43	-0.50	0.27	-0.10	-1.85e-04	0.0	1.97e-05
3157	44	-0.50	0.28	-0.10	-1.97e-04	0.0	2.03e-05
3157	68	-0.01	1.36	-0.07	-1.26e-03	0.0	2.88e-04
3157	116	-5.77	-3.17	-0.33	9.31e-04	1.87e-06	-1.74e-04
3157	137	2.51	6.59	0.07	-2.14e-03	-3.30e-06	1.15e-04

3157	148	-6.49	-3.60	-0.36	1.07e-03	2.11e-06	-1.96e-04
3157	169	2.83	7.44	0.09	-2.41e-03	-3.73e-06	1.28e-04
3157	180	-6.42	-3.73	-0.36	1.11e-03	2.19e-06	-1.95e-04
3157	193	3.82	7.68	0.14	-2.50e-03	-4.15e-06	2.51e-04
3157	212	-7.52	-4.51	-0.41	1.35e-03	2.63e-06	-2.31e-04
3157	225	4.53	9.23	0.18	-2.99e-03	-5.01e-06	3.00e-04
3157	263	-0.33	0.18	-0.08	-1.29e-04	0.0	1.35e-05
3157	264	-0.33	0.19	-0.08	-1.37e-04	0.0	1.39e-05
3157	276	-0.01	0.92	-0.06	-8.44e-04	0.0	1.92e-04
3157	305	-0.08	0.14	-0.06	-1.17e-04	0.0	7.33e-06
3157	307	-0.01	0.29	-0.06	-2.58e-04	0.0	4.30e-05
3157	310	-0.01	0.13	-0.06	-1.15e-04	0.0	5.89e-06
3158	41	-0.51	0.21	-0.08	-1.07e-04	0.0	1.72e-05
3158	43	-0.51	0.34	-0.07	-1.79e-04	0.0	2.24e-05
3158	68	-0.01	1.51	-0.07	-7.62e-04	0.0	4.25e-04
3158	113	5.96	3.94	-0.14	-1.12e-03	1.98e-06	2.56e-04
3158	116	-5.98	-3.56	0.03	8.99e-04	-1.93e-06	-2.39e-04
3158	137	2.60	7.62	-0.07	-2.10e-03	-3.57e-06	1.79e-04
3158	145	6.70	4.43	-0.15	-1.26e-03	2.21e-06	2.87e-04
3158	148	-6.72	-4.06	0.04	1.03e-03	-2.17e-06	-2.70e-04
3158	169	2.93	8.60	-0.07	-2.36e-03	-4.04e-06	2.01e-04
3158	177	6.63	4.58	-0.14	-1.29e-03	2.12e-06	2.87e-04
3158	180	-6.65	-4.20	0.04	1.07e-03	-2.07e-06	-2.70e-04
3158	201	2.93	8.83	-0.07	-2.42e-03	-4.14e-06	2.02e-04
3158	209	7.77	5.46	-0.16	-1.53e-03	2.42e-06	3.38e-04
3158	212	-7.79	-5.08	0.05	1.30e-03	-2.37e-06	-3.21e-04
3158	225	4.70	10.50	-0.11	-2.88e-03	-3.51e-06	4.31e-04
3158	261	-0.34	0.15	-0.06	-7.71e-05	0.0	1.19e-05
3158	263	-0.34	0.24	-0.06	-1.25e-04	0.0	1.54e-05
3158	276	-7.18e-03	1.01	-0.05	-5.13e-04	0.0	2.84e-04
3158	304	-0.07	0.12	-0.06	-7.20e-05	0.0	6.66e-06
3158	305	-0.07	0.20	-0.05	-1.13e-04	0.0	9.65e-06
3158	307	-8.54e-03	0.35	-0.05	-1.89e-04	0.0	6.32e-05
3158	309	-7.56e-03	0.11	-0.06	-7.07e-05	0.0	5.35e-06
3158	310	-8.77e-03	0.19	-0.05	-1.12e-04	0.0	8.34e-06
3159	43	-0.51	0.35	-0.09	-1.82e-04	0.0	2.16e-05
3159	44	-0.51	0.37	-0.09	-1.95e-04	0.0	2.26e-05
3159	68	-0.01	1.77	-0.07	-1.01e-03	0.0	4.63e-04
3159	116	-5.98	-3.62	-0.15	9.21e-04	0.0	-2.16e-04
3159	137	2.60	7.69	-8.29e-03	-2.13e-03	0.0	1.43e-04
3159	148	-6.72	-4.12	-0.16	1.06e-03	0.0	-2.44e-04
3159	169	2.93	8.68	-1.88e-03	-2.40e-03	0.0	1.60e-04
3159	180	-6.66	-4.27	-0.16	1.10e-03	0.0	-2.43e-04
3159	201	2.92	8.91	-1.28e-03	-2.46e-03	0.0	1.59e-04
3159	212	-7.79	-5.17	-0.17	1.34e-03	0.0	-2.88e-04
3159	225	4.70	10.69	0.03	-2.95e-03	0.0	3.68e-04
3159	263	-0.34	0.25	-0.07	-1.27e-04	0.0	1.48e-05
3159	264	-0.34	0.26	-0.07	-1.35e-04	0.0	1.54e-05
3159	276	-8.89e-03	1.19	-0.06	-6.82e-04	0.0	3.09e-04
3159	305	-0.08	0.20	-0.06	-1.15e-04	0.0	8.76e-06
3159	307	-9.97e-03	0.39	-0.06	-2.25e-04	0.0	6.74e-05
3159	310	-0.01	0.19	-0.06	-1.14e-04	0.0	7.35e-06
3160	43	-0.52	0.36	-0.10	-1.85e-04	0.0	1.87e-05
3160	44	-0.52	0.38	-0.10	-1.97e-04	0.0	1.93e-05
3160	68	-0.01	2.04	-0.07	-1.26e-03	0.0	4.03e-04
3160	116	-6.01	-3.66	-0.33	9.35e-04	0.0	-1.85e-04
3160	137	2.61	7.74	0.07	-2.15e-03	0.0	5.15e-06
3160	148	-6.75	-4.17	-0.36	1.07e-03	0.0	-2.08e-04
3160	169	2.94	8.73	0.09	-2.42e-03	0.0	5.45e-06
3160	180	-6.68	-4.33	-0.36	1.11e-03	0.0	-2.06e-04
3160	193	3.97	9.02	0.14	-2.51e-03	0.0	2.18e-04
3160	212	-7.83	-5.24	-0.41	1.36e-03	0.0	-2.42e-04
3160	225	4.71	10.83	0.18	-3.01e-03	0.0	2.59e-04
3160	263	-0.35	0.25	-0.08	-1.29e-04	0.0	1.28e-05
3160	264	-0.35	0.26	-0.08	-1.37e-04	0.0	1.32e-05
3160	276	-9.98e-03	1.37	-0.06	-8.44e-04	0.0	2.69e-04
3160	305	-0.08	0.20	-0.06	-1.17e-04	0.0	6.68e-06
3160	307	-0.01	0.43	-0.06	-2.58e-04	0.0	5.78e-05
3160	310	-0.01	0.20	-0.06	-1.16e-04	0.0	5.24e-06
3161	44	-1.51	1.44	-0.14	-2.42e-04	0.0	2.93e-05
3161	68	-0.46	3.01	-0.13	1.13e-04	-2.79e-06	5.83e-04
3161	91	-0.50	0.43	-0.15	-3.95e-04	1.41e-06	-2.70e-04
3161	116	-13.04	-6.02	-0.15	1.31e-05	0.0	-3.99e-04
3161	132	-7.98	-12.45	-0.18	1.27e-04	3.76e-06	-4.58e-04
3161	137	5.46	14.47	-0.04	-4.85e-04	-2.49e-06	2.51e-04

3161	148	-14.62	-6.93	-0.15	3.40e-05	0.0	-4.50e-04
3161	164	-8.97	-14.22	-0.18	1.63e-04	4.26e-06	-5.19e-04
3161	169	6.19	16.26	-0.03	-5.30e-04	-2.82e-06	2.81e-04
3161	180	-14.49	-7.19	-0.15	3.97e-05	0.0	-4.49e-04
3161	196	-9.08	-14.80	-0.19	1.74e-04	4.41e-06	-5.29e-04
3161	201	6.20	16.68	-0.03	-5.40e-04	-2.90e-06	2.80e-04
3161	212	-16.92	-8.80	-0.16	7.67e-05	0.0	-5.31e-04
3161	228	-10.72	-18.00	-0.20	2.39e-04	5.32e-06	-6.34e-04
3161	233	7.35	19.70	-0.02	-6.15e-04	-3.45e-06	3.28e-04
3161	264	-1.03	1.01	-0.10	-1.69e-04	0.0	2.02e-05
3161	276	-0.32	2.05	-0.10	6.74e-05	-1.86e-06	3.90e-04
3161	287	-0.35	0.33	-0.11	-2.71e-04	0.0	-1.79e-04
3161	303	-0.25	0.83	-0.11	-1.45e-04	0.0	8.51e-06
3161	305	-0.45	0.84	-0.11	-1.45e-04	0.0	1.12e-05
3161	307	-0.31	1.05	-0.11	-9.81e-05	0.0	8.51e-05
3161	310	-0.32	0.83	-0.11	-1.45e-04	0.0	9.43e-06
3162	44	-1.49	1.57	-0.14	-2.42e-04	0.0	3.05e-05
3162	68	-0.44	2.96	-0.13	1.14e-04	-2.80e-06	3.35e-04
3162	91	-0.48	0.63	-0.15	-3.95e-04	1.42e-06	-1.44e-04
3162	116	-13.06	-6.01	-0.14	9.43e-06	0.0	-3.92e-04
3162	132	-7.98	-12.51	-0.17	1.18e-04	2.37e-06	-4.27e-04
3162	137	5.48	14.70	-0.05	-4.77e-04	-1.53e-06	2.35e-04
3162	148	-14.64	-6.93	-0.15	2.98e-05	0.0	-4.42e-04
3162	164	-8.97	-14.30	-0.18	1.53e-04	2.68e-06	-4.83e-04
3162	169	6.22	16.52	-0.04	-5.20e-04	-1.73e-06	2.63e-04
3162	180	-14.52	-7.20	-0.15	3.52e-05	0.0	-4.40e-04
3162	196	-9.08	-14.88	-0.18	1.64e-04	2.78e-06	-4.92e-04
3162	201	6.22	16.95	-0.04	-5.30e-04	-1.78e-06	2.60e-04
3162	212	-16.96	-8.83	-0.16	7.13e-05	0.0	-5.21e-04
3162	228	-10.72	-18.11	-0.20	2.27e-04	3.36e-06	-5.90e-04
3162	233	7.37	20.00	-0.02	-6.03e-04	-2.12e-06	3.04e-04
3162	264	-1.01	1.09	-0.11	-1.69e-04	0.0	2.10e-05
3162	276	-0.31	2.02	-0.10	6.83e-05	-1.87e-06	2.24e-04
3162	287	-0.34	0.47	-0.11	-2.71e-04	0.0	-9.53e-05
3162	303	-0.24	0.90	-0.11	-1.45e-04	0.0	9.35e-06
3162	305	-0.44	0.92	-0.11	-1.45e-04	0.0	1.21e-05
3162	307	-0.30	1.10	-0.11	-9.79e-05	0.0	5.28e-05
3162	310	-0.30	0.91	-0.11	-1.45e-04	0.0	1.03e-05
3163	44	-1.51	1.46	-0.19	-2.43e-04	0.0	2.92e-05
3163	68	-0.45	3.31	-0.17	4.00e-04	0.0	5.77e-04
3163	76	-0.60	1.01	-0.20	-4.71e-04	0.0	-1.51e-04
3163	116	-13.04	-6.10	-0.30	9.44e-06	0.0	-3.82e-04
3163	132	-7.98	-12.62	-0.31	1.10e-04	0.0	-4.07e-04
3163	137	5.46	14.53	0.01	-4.81e-04	0.0	2.10e-04
3163	148	-14.62	-7.01	-0.32	2.99e-05	0.0	-4.30e-04
3163	164	-8.96	-14.41	-0.33	1.44e-04	0.0	-4.60e-04
3163	169	6.20	16.34	0.03	-5.25e-04	0.0	2.35e-04
3163	180	-14.49	-7.28	-0.32	3.49e-05	0.0	-4.28e-04
3163	196	-9.07	-14.99	-0.34	1.54e-04	0.0	-4.67e-04
3163	201	6.20	16.76	0.03	-5.35e-04	0.0	2.30e-04
3163	212	-16.92	-8.92	-0.36	7.09e-05	0.0	-5.05e-04
3163	225	10.09	19.91	0.10	-5.08e-04	0.0	5.78e-04
3163	228	-10.72	-18.24	-0.38	2.15e-04	0.0	-5.60e-04
3163	264	-1.02	1.01	-0.15	-1.70e-04	0.0	2.01e-05
3163	276	-0.32	2.25	-0.13	2.59e-04	0.0	3.86e-04
3163	280	-0.41	0.72	-0.15	-3.22e-04	0.0	-9.98e-05
3163	298	-0.33	0.89	-0.14	-1.54e-04	0.0	9.90e-06
3163	305	-0.45	0.85	-0.14	-1.46e-04	0.0	1.12e-05
3163	307	-0.31	1.10	-0.14	-6.05e-05	0.0	8.43e-05
3163	310	-0.32	0.84	-0.14	-1.46e-04	0.0	9.36e-06
3164	44	-1.49	1.58	-0.19	-2.43e-04	0.0	3.07e-05
3164	68	-0.43	3.11	-0.17	4.00e-04	0.0	3.39e-04
3164	76	-0.57	1.25	-0.20	-4.70e-04	0.0	-7.69e-05
3164	116	-13.06	-6.09	-0.30	8.01e-06	0.0	-3.86e-04
3164	132	-7.98	-12.67	-0.31	1.06e-04	0.0	-4.11e-04
3164	137	5.48	14.77	0.01	-4.77e-04	0.0	2.23e-04
3164	148	-14.64	-7.01	-0.32	2.82e-05	0.0	-4.36e-04
3164	164	-8.97	-14.48	-0.33	1.39e-04	0.0	-4.66e-04
3164	169	6.22	16.59	0.03	-5.21e-04	0.0	2.49e-04
3164	180	-14.52	-7.29	-0.32	3.31e-05	0.0	-4.33e-04
3164	196	-9.07	-15.07	-0.34	1.49e-04	0.0	-4.73e-04
3164	201	6.22	17.03	0.04	-5.30e-04	0.0	2.45e-04
3164	212	-16.95	-8.94	-0.36	6.87e-05	0.0	-5.12e-04
3164	225	10.11	20.16	0.10	-5.02e-04	0.0	5.88e-04
3164	228	-10.72	-18.34	-0.38	2.10e-04	0.0	-5.68e-04

3164	264	-1.01	1.10	-0.15	-1.70e-04	0.0	2.11e-05
3164	276	-0.31	2.12	-0.13	2.59e-04	0.0	2.27e-04
3164	280	-0.40	0.88	-0.15	-3.21e-04	0.0	-5.06e-05
3164	298	-0.32	0.96	-0.14	-1.54e-04	0.0	1.10e-05
3164	305	-0.44	0.92	-0.14	-1.46e-04	0.0	1.22e-05
3164	307	-0.30	1.13	-0.14	-6.05e-05	0.0	5.34e-05
3164	310	-0.30	0.91	-0.14	-1.46e-04	0.0	1.04e-05
3165	28	-1.17	1.66	-0.25	-2.83e-04	0.0	2.60e-05
3165	44	-1.51	1.47	-0.24	-2.46e-04	0.0	2.91e-05
3165	68	-0.45	3.61	-0.20	6.86e-04	0.0	5.70e-04
3165	116	-13.02	-6.16	-0.45	2.39e-05	0.0	-3.63e-04
3165	137	5.46	14.57	0.08	-5.19e-04	0.0	1.51e-05
3165	148	-14.60	-7.09	-0.49	4.65e-05	0.0	-4.09e-04
3165	169	6.19	16.38	0.11	-5.68e-04	0.0	1.63e-05
3165	180	-14.47	-7.36	-0.49	5.23e-05	0.0	-4.05e-04
3165	193	8.44	16.83	0.16	-4.82e-04	0.0	4.19e-04
3165	212	-16.91	-9.01	-0.55	9.22e-05	0.0	-4.78e-04
3165	225	10.08	20.11	0.23	-5.51e-04	0.0	4.98e-04
3165	256	-0.80	1.15	-0.18	-1.96e-04	0.0	1.80e-05
3165	264	-1.02	1.02	-0.18	-1.72e-04	0.0	2.00e-05
3165	276	-0.31	2.45	-0.15	4.49e-04	0.0	3.80e-04
3165	298	-0.33	0.89	-0.16	-1.56e-04	0.0	9.85e-06
3165	305	-0.45	0.85	-0.16	-1.48e-04	0.0	1.11e-05
3165	307	-0.30	1.14	-0.16	-2.37e-05	0.0	8.32e-05
3165	310	-0.31	0.84	-0.16	-1.48e-04	0.0	9.31e-06
3166	28	-1.16	1.80	-0.25	-2.83e-04	0.0	2.84e-05
3166	44	-1.49	1.59	-0.24	-2.46e-04	0.0	3.09e-05
3166	68	-0.43	3.27	-0.20	6.86e-04	0.0	3.49e-04
3166	116	-13.06	-6.16	-0.45	2.25e-05	0.0	-3.78e-04
3166	137	5.48	14.83	0.08	-5.17e-04	0.0	2.06e-04
3166	148	-14.64	-7.09	-0.49	4.49e-05	0.0	-4.26e-04
3166	169	6.22	16.66	0.11	-5.65e-04	0.0	2.30e-04
3166	180	-14.52	-7.37	-0.49	5.06e-05	0.0	-4.23e-04
3166	201	6.22	17.09	0.11	-5.76e-04	0.0	2.25e-04
3166	212	-16.95	-9.05	-0.55	9.01e-05	0.0	-5.00e-04
3166	225	10.11	20.38	0.23	-5.47e-04	0.0	5.56e-04
3166	228	-10.72	-18.55	-0.55	2.51e-04	0.0	-5.35e-04
3166	256	-0.79	1.25	-0.18	-1.96e-04	0.0	1.96e-05
3166	264	-1.01	1.11	-0.18	-1.72e-04	0.0	2.13e-05
3166	276	-0.30	2.23	-0.15	4.49e-04	0.0	2.33e-04
3166	298	-0.32	0.97	-0.16	-1.56e-04	0.0	1.12e-05
3166	305	-0.44	0.93	-0.16	-1.48e-04	0.0	1.23e-05
3166	307	-0.30	1.15	-0.16	-2.38e-05	0.0	5.48e-05
3166	310	-0.30	0.91	-0.16	-1.48e-04	0.0	1.05e-05
3167	28	-1.16	1.67	-0.29	-2.86e-04	0.0	2.60e-05
3167	44	-1.50	1.48	-0.28	-2.48e-04	0.0	2.91e-05
3167	68	-0.44	3.91	-0.23	9.47e-04	-2.22e-06	5.54e-04
3167	116	-13.00	-6.21	-0.58	5.76e-05	-4.64e-06	-3.48e-04
3167	137	5.46	14.57	0.15	-5.97e-04	8.85e-06	1.83e-05
3167	148	-14.57	-7.14	-0.64	8.50e-05	-5.26e-06	-3.92e-04
3167	169	6.18	16.38	0.19	-6.56e-04	1.00e-05	2.00e-05
3167	180	-14.45	-7.42	-0.64	9.28e-05	-5.41e-06	-3.87e-04
3167	193	8.42	16.95	0.26	-5.71e-04	1.06e-05	3.63e-04
3167	212	-16.87	-9.09	-0.72	1.41e-04	-6.49e-06	-4.55e-04
3167	225	10.06	20.25	0.35	-6.57e-04	1.27e-05	4.30e-04
3167	256	-0.79	1.16	-0.21	-1.98e-04	0.0	1.80e-05
3167	264	-1.01	1.03	-0.20	-1.73e-04	0.0	2.00e-05
3167	276	-0.31	2.65	-0.17	6.24e-04	-1.48e-06	3.70e-04
3167	298	-0.32	0.90	-0.18	-1.58e-04	0.0	9.86e-06
3167	305	-0.44	0.86	-0.18	-1.49e-04	0.0	1.11e-05
3167	307	-0.30	1.18	-0.17	9.96e-06	0.0	8.12e-05
3167	310	-0.31	0.85	-0.18	-1.49e-04	0.0	9.32e-06
3168	28	-1.15	1.81	-0.29	-2.85e-04	0.0	2.84e-05
3168	44	-1.49	1.61	-0.28	-2.48e-04	0.0	3.10e-05
3168	68	-0.43	3.43	-0.23	9.58e-04	-2.15e-06	3.70e-04
3168	116	-13.06	-6.22	-0.59	5.42e-05	-2.84e-06	-3.71e-04
3168	137	5.48	14.87	0.15	-5.90e-04	5.40e-06	3.62e-06
3168	148	-14.64	-7.17	-0.64	8.10e-05	-3.22e-06	-4.19e-04
3168	169	6.22	16.70	0.19	-6.48e-04	6.11e-06	2.84e-06
3168	180	-14.52	-7.46	-0.64	8.87e-05	-3.31e-06	-4.16e-04
3168	193	8.47	17.23	0.27	-5.61e-04	6.47e-06	4.46e-04
3168	212	-16.96	-9.15	-0.73	1.36e-04	-3.97e-06	-4.91e-04
3168	225	10.11	20.57	0.36	-6.45e-04	7.79e-06	5.30e-04
3168	256	-0.78	1.26	-0.21	-1.98e-04	0.0	1.96e-05
3168	264	-1.01	1.12	-0.20	-1.73e-04	0.0	2.13e-05

3168	276	-0.30	2.33	-0.17	6.31e-04	-1.44e-06	2.47e-04
3168	298	-0.32	0.97	-0.18	-1.58e-04	0.0	1.12e-05
3168	305	-0.44	0.93	-0.18	-1.49e-04	0.0	1.24e-05
3168	307	-0.30	1.18	-0.17	1.14e-05	0.0	5.76e-05
3168	310	-0.30	0.92	-0.18	-1.49e-04	0.0	1.05e-05
3169	44	-1.48	1.69	-0.14	-2.42e-04	0.0	3.13e-05
3169	68	-0.43	2.91	-0.13	1.07e-04	-2.45e-06	8.57e-05
3169	91	-0.47	0.83	-0.15	-3.92e-04	1.23e-06	-1.78e-05
3169	116	-13.14	-6.00	-0.14	4.90e-06	0.0	-3.95e-04
3169	132	-8.03	-12.56	-0.17	1.07e-04	1.18e-06	-4.26e-04
3169	137	5.53	14.93	-0.05	-4.66e-04	0.0	2.44e-04
3169	148	-14.74	-6.93	-0.15	2.46e-05	0.0	-4.46e-04
3169	164	-9.02	-14.36	-0.18	1.40e-04	1.34e-06	-4.83e-04
3169	169	6.26	16.77	-0.04	-5.08e-04	0.0	2.74e-04
3169	180	-14.61	-7.20	-0.15	2.97e-05	0.0	-4.45e-04
3169	196	-9.13	-14.95	-0.18	1.51e-04	1.38e-06	-4.92e-04
3169	201	6.27	17.20	-0.04	-5.18e-04	0.0	2.72e-04
3169	212	-17.07	-8.85	-0.16	6.45e-05	0.0	-5.26e-04
3169	228	-10.78	-18.21	-0.20	2.11e-04	1.67e-06	-5.90e-04
3169	233	7.42	20.29	-0.02	-5.89e-04	0.0	3.18e-04
3169	264	-1.00	1.17	-0.11	-1.69e-04	0.0	2.15e-05
3169	276	-0.30	1.99	-0.10	6.38e-05	-1.63e-06	5.78e-05
3169	287	-0.33	0.60	-0.11	-2.69e-04	0.0	-1.12e-05
3169	303	-0.23	0.97	-0.11	-1.45e-04	0.0	9.91e-06
3169	305	-0.43	0.99	-0.11	-1.45e-04	0.0	1.27e-05
3169	307	-0.29	1.15	-0.11	-9.87e-05	0.0	2.00e-05
3169	310	-0.30	0.98	-0.11	-1.45e-04	0.0	1.08e-05
3170	44	-1.48	1.70	-0.19	-2.42e-04	0.0	3.24e-05
3170	68	-0.42	2.91	-0.17	3.98e-04	0.0	8.95e-05
3170	76	-0.56	1.48	-0.20	-4.68e-04	0.0	0.0
3170	116	-13.14	-6.08	-0.30	7.20e-06	0.0	-3.94e-04
3170	132	-8.02	-12.72	-0.31	1.03e-04	0.0	-4.26e-04
3170	137	5.52	15.00	0.01	-4.73e-04	0.0	2.45e-04
3170	148	-14.74	-7.01	-0.32	2.72e-05	0.0	-4.44e-04
3170	164	-9.01	-14.54	-0.33	1.36e-04	0.0	-4.82e-04
3170	169	6.26	16.85	0.03	-5.16e-04	0.0	2.74e-04
3170	180	-14.61	-7.29	-0.32	3.20e-05	0.0	-4.43e-04
3170	196	-9.12	-15.13	-0.34	1.46e-04	0.0	-4.91e-04
3170	201	6.26	17.28	0.04	-5.26e-04	0.0	2.72e-04
3170	212	-17.07	-8.96	-0.36	6.72e-05	0.0	-5.24e-04
3170	225	10.18	20.40	0.10	-4.96e-04	0.0	6.12e-04
3170	228	-10.78	-18.43	-0.38	2.05e-04	0.0	-5.89e-04
3170	264	-1.00	1.18	-0.15	-1.69e-04	0.0	2.22e-05
3170	276	-0.30	1.99	-0.13	2.57e-04	0.0	6.03e-05
3170	280	-0.39	1.04	-0.15	-3.20e-04	0.0	1.02e-06
3170	298	-0.31	1.04	-0.14	-1.54e-04	0.0	1.23e-05
3170	305	-0.43	0.99	-0.14	-1.46e-04	0.0	1.33e-05
3170	307	-0.29	1.16	-0.14	-6.03e-05	0.0	2.10e-05
3170	310	-0.30	0.98	-0.14	-1.45e-04	0.0	1.15e-05
3171	28	-1.15	1.94	-0.25	-2.84e-04	0.0	3.11e-05
3171	44	-1.48	1.72	-0.24	-2.47e-04	0.0	3.31e-05
3171	68	-0.42	2.93	-0.20	6.87e-04	0.0	9.30e-05
3171	116	-13.15	-6.15	-0.45	2.07e-05	0.0	-3.92e-04
3171	137	5.52	15.08	0.08	-5.15e-04	0.0	2.44e-04
3171	148	-14.74	-7.10	-0.49	4.30e-05	0.0	-4.43e-04
3171	169	6.26	16.93	0.11	-5.63e-04	0.0	2.74e-04
3171	180	-14.61	-7.39	-0.49	4.86e-05	0.0	-4.41e-04
3171	201	6.26	17.37	0.11	-5.74e-04	0.0	2.72e-04
3171	212	-17.07	-9.08	-0.55	8.78e-05	0.0	-5.22e-04
3171	225	10.18	20.64	0.23	-5.43e-04	0.0	6.11e-04
3171	256	-0.78	1.34	-0.18	-1.97e-04	0.0	2.14e-05
3171	264	-1.00	1.20	-0.18	-1.72e-04	0.0	2.28e-05
3171	276	-0.30	2.00	-0.15	4.50e-04	0.0	6.27e-05
3171	298	-0.31	1.05	-0.16	-1.57e-04	0.0	1.27e-05
3171	305	-0.43	1.00	-0.16	-1.48e-04	0.0	1.38e-05
3171	307	-0.29	1.16	-0.16	-2.39e-05	0.0	2.17e-05
3171	310	-0.30	0.99	-0.16	-1.48e-04	0.0	1.19e-05
3172	28	-1.15	1.96	-0.29	-2.85e-04	0.0	3.18e-05
3172	44	-1.48	1.73	-0.28	-2.48e-04	0.0	3.37e-05
3172	68	-0.42	2.93	-0.23	9.90e-04	-2.61e-06	9.44e-05
3172	116	-13.15	-6.24	-0.59	5.03e-05	-2.38e-06	-3.92e-04
3172	137	5.52	15.15	0.15	-5.81e-04	4.72e-06	2.45e-04
3172	148	-14.74	-7.20	-0.64	7.66e-05	-2.70e-06	-4.42e-04
3172	169	6.26	17.02	0.19	-6.38e-04	5.33e-06	2.75e-04
3172	180	-14.61	-7.49	-0.64	8.39e-05	-2.78e-06	-4.41e-04

3172	193	8.52	17.50	0.27	-5.49e-04	5.40e-06	5.14e-04
3172	212	-17.07	-9.20	-0.72	1.31e-04	-3.35e-06	-5.22e-04
3172	225	10.18	20.88	0.35	-6.31e-04	6.49e-06	6.13e-04
3172	256	-0.78	1.35	-0.21	-1.98e-04	0.0	2.19e-05
3172	264	-1.00	1.21	-0.20	-1.73e-04	0.0	2.32e-05
3172	276	-0.30	2.01	-0.17	6.52e-04	-1.74e-06	6.37e-05
3172	298	-0.31	1.05	-0.18	-1.57e-04	0.0	1.30e-05
3172	305	-0.43	1.01	-0.18	-1.49e-04	0.0	1.41e-05
3172	307	-0.29	1.17	-0.17	1.59e-05	0.0	2.22e-05
3172	310	-0.30	0.99	-0.18	-1.49e-04	0.0	1.22e-05
3173	44	-1.23	0.28	-0.53	0.0	-1.30e-03	-2.50e-04
3173	52	-0.06	0.58	-0.65	0.0	-6.75e-05	5.53e-06
3173	68	-0.05	0.77	-0.58	0.0	-5.56e-05	4.46e-06
3173	116	-6.20	-3.04	-0.10	0.0	-1.85e-03	-1.78e-04
3173	129	3.33	6.22	-0.79	0.0	9.56e-04	2.24e-04
3173	148	-6.96	-3.46	-0.07	0.0	-2.07e-03	-2.01e-04
3173	161	3.76	7.03	-0.85	0.0	1.08e-03	2.53e-04
3173	180	-6.88	-3.58	-0.06	0.0	-2.05e-03	-2.00e-04
3173	193	3.79	7.29	-0.87	0.0	1.09e-03	2.58e-04
3173	212	-8.05	-4.33	-6.10e-04	0.0	-2.40e-03	-2.37e-04
3173	225	4.50	8.76	-0.98	0.0	1.30e-03	3.08e-04
3173	264	-0.82	0.19	-0.37	0.0	-8.72e-04	-1.67e-04
3173	268	-0.04	0.39	-0.45	0.0	-4.69e-05	3.87e-06
3173	276	-0.04	0.52	-0.40	0.0	-3.90e-05	3.16e-06
3173	298	-0.04	0.13	-0.36	0.0	-4.13e-05	3.31e-06
3173	305	-0.19	0.13	-0.34	0.0	-2.05e-04	-3.09e-05
3173	307	-0.04	0.20	-0.35	0.0	-3.83e-05	3.05e-06
3173	310	-0.04	0.12	-0.34	0.0	-3.91e-05	3.12e-06
3174	44	-1.91	0.36	-0.55	0.0	-1.26e-03	-1.86e-04
3174	52	-0.10	0.69	-0.67	0.0	-6.74e-05	1.05e-05
3174	68	-0.08	0.88	-0.59	0.0	-5.55e-05	8.60e-06
3174	116	-7.17	-3.16	-0.11	0.0	-1.83e-03	3.53e-05
3174	129	3.84	6.60	-0.80	0.0	9.46e-04	1.43e-04
3174	148	-8.06	-3.60	-0.08	0.0	-2.05e-03	3.80e-05
3174	161	4.34	7.45	-0.86	0.0	1.07e-03	1.62e-04
3174	180	-7.97	-3.73	-0.07	0.0	-2.03e-03	3.08e-05
3174	193	4.37	7.73	-0.88	0.0	1.08e-03	1.68e-04
3174	212	-9.32	-4.52	-0.01	0.0	-2.37e-03	3.23e-05
3174	225	5.19	9.28	-0.99	0.0	1.29e-03	2.01e-04
3174	264	-1.28	0.24	-0.38	0.0	-8.42e-04	-1.23e-04
3174	268	-0.07	0.47	-0.46	0.0	-4.69e-05	7.34e-06
3174	276	-0.06	0.59	-0.41	0.0	-3.89e-05	6.05e-06
3174	298	-0.06	0.18	-0.37	0.0	-4.12e-05	6.26e-06
3174	305	-0.30	0.18	-0.35	0.0	-1.99e-04	-2.01e-05
3174	307	-0.06	0.25	-0.35	0.0	-3.83e-05	5.79e-06
3174	310	-0.06	0.17	-0.35	0.0	-3.91e-05	5.91e-06
3175	44	-0.52	0.21	-0.84	-3.29e-04	-3.60e-04	1.42e-05
3175	52	-0.03	0.49	-1.01	-3.69e-04	-6.66e-05	4.90e-06
3175	68	-0.02	0.68	-0.86	-2.98e-04	-5.54e-05	3.79e-06
3175	116	-5.13	-2.89	-0.42	-4.08e-04	-1.66e-03	-1.49e-04
3175	129	2.73	5.83	-0.74	1.74e-04	8.01e-04	1.90e-04
3175	148	-5.77	-3.28	-0.40	-4.35e-04	-1.86e-03	-1.68e-04
3175	161	3.08	6.59	-0.77	2.25e-04	9.07e-04	2.14e-04
3175	180	-5.70	-3.40	-0.40	-4.43e-04	-1.84e-03	-1.67e-04
3175	193	3.10	6.84	-0.78	2.42e-04	9.12e-04	2.19e-04
3175	212	-6.67	-4.10	-0.37	-4.90e-04	-2.14e-03	-1.98e-04
3175	225	3.67	8.22	-0.83	3.35e-04	1.08e-03	2.61e-04
3175	264	-0.35	0.15	-0.58	-2.30e-04	-2.42e-04	9.67e-06
3175	268	-0.02	0.33	-0.70	-2.57e-04	-4.63e-05	3.43e-06
3175	276	-0.02	0.46	-0.60	-2.10e-04	-3.88e-05	2.69e-06
3175	298	-0.02	0.09	-0.57	-2.21e-04	-4.01e-05	3.08e-06
3175	305	-0.08	0.09	-0.53	-2.08e-04	-7.80e-05	4.19e-06
3175	307	-0.02	0.16	-0.54	-2.04e-04	-3.74e-05	2.80e-06
3175	310	-0.02	0.08	-0.53	-2.09e-04	-3.80e-05	2.91e-06
3176	44	-1.06	0.27	-0.81	0.0	-1.02e-03	-2.63e-04
3176	52	-0.07	0.57	-0.97	0.0	-6.81e-05	5.00e-06
3176	68	-0.05	0.76	-0.84	0.0	-5.63e-05	4.09e-06
3176	116	-6.11	-3.04	-0.40	0.0	-1.84e-03	-1.80e-04
3176	129	3.22	6.22	-0.74	0.0	9.33e-04	2.24e-04
3176	148	-6.87	-3.46	-0.38	0.0	-2.06e-03	-2.03e-04
3176	161	3.64	7.03	-0.77	0.0	1.06e-03	2.53e-04
3176	180	-6.79	-3.59	-0.38	0.0	-2.04e-03	-2.02e-04
3176	193	3.66	7.29	-0.78	0.0	1.06e-03	2.57e-04
3176	212	-7.94	-4.33	-0.35	0.0	-2.38e-03	-2.39e-04
3176	225	4.34	8.76	-0.83	0.0	1.27e-03	3.07e-04

3176	264	-0.71	0.19	-0.57	0.0	-6.85e-04	-1.75e-04
3176	268	-0.05	0.38	-0.67	0.0	-4.73e-05	3.50e-06
3176	276	-0.04	0.52	-0.59	0.0	-3.94e-05	2.89e-06
3176	298	-0.04	0.12	-0.55	0.0	-4.14e-05	2.94e-06
3176	305	-0.17	0.13	-0.52	0.0	-1.68e-04	-3.29e-05
3176	307	-0.04	0.19	-0.52	0.0	-3.85e-05	2.72e-06
3176	310	-0.04	0.12	-0.52	0.0	-3.92e-05	2.76e-06
3177	44	-0.53	0.22	-0.96	-9.93e-05	-3.60e-04	1.47e-05
3177	52	-0.03	0.49	-1.14	-9.72e-05	-6.66e-05	5.06e-06
3177	68	-0.03	0.68	-0.97	-7.38e-05	-5.54e-05	4.02e-06
3177	116	-5.06	-2.89	-0.61	-1.95e-04	-1.66e-03	-1.50e-04
3177	129	2.63	5.83	-0.57	1.96e-04	8.01e-04	1.91e-04
3177	138	0.65	-4.66	-0.66	-2.73e-04	1.76e-04	-3.42e-05
3177	148	-5.68	-3.28	-0.61	-2.13e-04	-1.86e-03	-1.69e-04
3177	161	2.97	6.59	-0.57	2.30e-04	9.07e-04	2.15e-04
3177	170	0.73	-5.29	-0.67	-3.00e-04	2.01e-04	-3.91e-05
3177	180	-5.61	-3.40	-0.61	-2.18e-04	-1.84e-03	-1.68e-04
3177	193	2.98	6.84	-0.57	2.41e-04	9.12e-04	2.19e-04
3177	202	0.69	-5.43	-0.67	-3.07e-04	1.89e-04	-3.98e-05
3177	212	-6.56	-4.11	-0.61	-2.50e-04	-2.14e-03	-1.99e-04
3177	225	3.53	8.23	-0.56	3.03e-04	1.08e-03	2.62e-04
3177	234	0.80	-6.48	-0.68	-3.54e-04	2.22e-04	-4.78e-05
3177	264	-0.35	0.15	-0.67	-7.01e-05	-2.42e-04	9.97e-06
3177	268	-0.02	0.33	-0.79	-6.87e-05	-4.63e-05	3.54e-06
3177	276	-0.02	0.46	-0.68	-5.31e-05	-3.88e-05	2.84e-06
3177	298	-0.02	0.09	-0.65	-6.36e-05	-4.01e-05	3.10e-06
3177	305	-0.09	0.09	-0.61	-6.06e-05	-7.80e-05	4.26e-06
3177	307	-0.02	0.16	-0.61	-5.72e-05	-3.74e-05	2.84e-06
3177	310	-0.02	0.08	-0.61	-6.10e-05	-3.80e-05	2.92e-06
3178	44	-0.90	0.26	-0.94	0.0	-6.94e-04	-2.37e-04
3178	52	-0.07	0.55	-1.12	0.0	-6.77e-05	4.88e-06
3178	68	-0.06	0.75	-0.95	0.0	-5.61e-05	4.05e-06
3178	116	-6.01	-3.05	-0.60	0.0	-1.79e-03	-1.98e-04
3178	129	3.11	6.21	-0.57	0.0	8.93e-04	2.34e-04
3178	138	0.75	-4.93	-0.64	0.0	1.83e-04	-3.75e-05
3178	148	-6.75	-3.47	-0.60	0.0	-2.01e-03	-2.24e-04
3178	161	3.51	7.02	-0.56	0.0	1.01e-03	2.63e-04
3178	170	0.84	-5.60	-0.65	0.0	2.08e-04	-4.29e-05
3178	180	-6.67	-3.59	-0.60	0.0	-1.99e-03	-2.23e-04
3178	193	3.53	7.28	-0.56	0.0	1.02e-03	2.68e-04
3178	202	0.80	-5.75	-0.65	0.0	1.95e-04	-4.38e-05
3178	212	-7.80	-4.34	-0.60	0.0	-2.32e-03	-2.63e-04
3178	225	4.18	8.76	-0.55	0.0	1.21e-03	3.20e-04
3178	234	0.92	-6.86	-0.66	0.0	2.29e-04	-5.27e-05
3178	264	-0.60	0.18	-0.66	0.0	-4.65e-04	-1.58e-04
3178	268	-0.05	0.37	-0.77	0.0	-4.70e-05	3.41e-06
3178	276	-0.04	0.51	-0.67	0.0	-3.93e-05	2.86e-06
3178	298	-0.04	0.12	-0.64	0.0	-4.09e-05	2.81e-06
3178	305	-0.15	0.12	-0.60	0.0	-1.23e-04	-2.96e-05
3178	307	-0.04	0.19	-0.60	0.0	-3.81e-05	2.62e-06
3178	310	-0.04	0.11	-0.60	0.0	-3.88e-05	2.64e-06
3179	44	-1.61	0.35	-0.80	0.0	-1.03e-03	-4.05e-04
3179	52	-0.10	0.68	-0.96	0.0	-6.82e-05	6.09e-06
3179	68	-0.08	0.87	-0.83	0.0	-5.63e-05	5.10e-06
3179	116	-7.10	-3.13	-0.39	0.0	-1.85e-03	-1.85e-04
3179	129	3.73	6.54	-0.73	0.0	9.38e-04	2.42e-04
3179	148	-7.97	-3.57	-0.38	0.0	-2.07e-03	-2.09e-04
3179	161	4.21	7.38	-0.76	0.0	1.06e-03	2.72e-04
3179	180	-7.88	-3.70	-0.37	0.0	-2.05e-03	-2.08e-04
3179	193	4.24	7.66	-0.77	0.0	1.07e-03	2.77e-04
3179	212	-9.22	-4.48	-0.34	0.0	-2.39e-03	-2.46e-04
3179	225	5.03	9.19	-0.83	0.0	1.27e-03	3.31e-04
3179	264	-1.08	0.24	-0.56	0.0	-6.86e-04	-2.70e-04
3179	268	-0.07	0.46	-0.67	0.0	-4.74e-05	4.25e-06
3179	276	-0.06	0.59	-0.58	0.0	-3.95e-05	3.59e-06
3179	298	-0.06	0.18	-0.54	0.0	-4.14e-05	3.47e-06
3179	305	-0.26	0.18	-0.51	0.0	-1.68e-04	-5.15e-05
3179	307	-0.06	0.25	-0.52	0.0	-3.86e-05	3.25e-06
3179	310	-0.06	0.17	-0.51	0.0	-3.93e-05	3.26e-06
3180	44	-1.28	0.33	-0.94	0.0	-7.00e-04	-4.02e-04
3180	52	-0.10	0.65	-1.11	0.0	-6.76e-05	4.86e-06
3180	68	-0.09	0.84	-0.95	0.0	-5.60e-05	4.17e-06
3180	116	-6.95	-3.14	-0.59	0.0	-1.78e-03	-2.64e-04
3180	129	3.57	6.50	-0.56	0.0	8.89e-04	2.83e-04
3180	138	0.84	-5.10	-0.64	0.0	1.81e-04	-3.67e-05

3180	148	-7.81	-3.57	-0.59	0.0	-2.00e-03	-2.98e-04
3180	161	4.04	7.35	-0.56	0.0	1.01e-03	3.19e-04
3180	170	0.95	-5.79	-0.64	0.0	2.06e-04	-4.21e-05
3180	180	-7.72	-3.70	-0.59	0.0	-1.98e-03	-2.97e-04
3180	193	4.06	7.62	-0.56	0.0	1.01e-03	3.25e-04
3180	202	0.90	-5.95	-0.64	0.0	1.93e-04	-4.34e-05
3180	212	-9.02	-4.48	-0.59	0.0	-2.31e-03	-3.50e-04
3180	225	4.81	9.15	-0.55	0.0	1.21e-03	3.88e-04
3180	234	1.04	-7.11	-0.65	0.0	2.27e-04	-5.24e-05
3180	264	-0.85	0.23	-0.66	0.0	-4.69e-04	-2.68e-04
3180	268	-0.07	0.44	-0.77	0.0	-4.70e-05	3.39e-06
3180	276	-0.06	0.57	-0.66	0.0	-3.92e-05	2.94e-06
3180	298	-0.06	0.16	-0.63	0.0	-4.09e-05	2.66e-06
3180	305	-0.22	0.16	-0.60	0.0	-1.24e-04	-5.17e-05
3180	307	-0.06	0.23	-0.60	0.0	-3.81e-05	2.51e-06
3180	310	-0.06	0.15	-0.60	0.0	-3.88e-05	2.49e-06
3181	44	-2.64	1.60	-1.31	0.0	1.06e-03	-5.05e-04
3181	59	-0.43	2.36	-1.53	0.0	-9.94e-05	2.74e-05
3181	68	-0.39	2.77	-1.36	0.0	-8.77e-05	2.68e-05
3181	116	-12.34	-6.67	-0.47	0.0	-1.27e-04	-2.76e-04
3181	129	6.45	15.47	-1.27	0.0	6.88e-05	4.19e-04
3181	148	-13.83	-7.68	-0.43	0.0	-1.36e-04	-3.13e-04
3181	161	7.31	17.41	-1.34	0.0	8.54e-05	4.71e-04
3181	180	-13.69	-7.99	-0.42	0.0	-1.36e-04	-3.11e-04
3181	193	7.38	18.04	-1.36	0.0	8.91e-05	4.81e-04
3181	212	-15.98	-9.78	-0.35	0.0	-1.50e-04	-3.71e-04
3181	225	8.80	21.56	-1.47	0.0	1.19e-04	5.73e-04
3181	264	-1.78	1.11	-0.93	0.0	7.05e-04	-3.36e-04
3181	271	-0.30	1.62	-1.07	0.0	-6.94e-05	1.90e-05
3181	276	-0.28	1.89	-0.96	0.0	-6.16e-05	1.86e-05
3181	301	-0.28	0.93	-0.83	0.0	-6.04e-05	1.52e-05
3181	305	-0.56	0.92	-0.78	0.0	9.63e-05	-5.58e-05
3181	307	-0.26	1.08	-0.79	0.0	-5.71e-05	1.51e-05
3181	310	-0.27	0.90	-0.79	0.0	-5.81e-05	1.48e-05
3182	44	-2.11	1.72	-1.32	0.0	1.07e-03	-3.07e-04
3182	59	-0.48	2.50	-1.54	0.0	-9.95e-05	2.72e-05
3182	68	-0.44	2.90	-1.37	0.0	-8.78e-05	2.68e-05
3182	116	-12.37	-6.65	-0.47	0.0	-1.29e-04	-3.33e-04
3182	129	6.47	15.63	-1.28	0.0	6.87e-05	4.51e-04
3182	148	-13.87	-7.66	-0.43	0.0	-1.38e-04	-3.77e-04
3182	161	7.33	17.58	-1.35	0.0	8.52e-05	5.08e-04
3182	180	-13.73	-7.97	-0.42	0.0	-1.37e-04	-3.76e-04
3182	193	7.41	18.21	-1.37	0.0	8.87e-05	5.19e-04
3182	212	-16.02	-9.77	-0.35	0.0	-1.52e-04	-4.47e-04
3182	225	8.84	21.75	-1.49	0.0	1.18e-04	6.18e-04
3182	264	-1.42	1.20	-0.93	0.0	7.08e-04	-2.04e-04
3182	271	-0.34	1.71	-1.08	0.0	-6.95e-05	1.89e-05
3182	276	-0.31	1.98	-0.97	0.0	-6.17e-05	1.87e-05
3182	301	-0.31	1.01	-0.84	0.0	-6.05e-05	1.51e-05
3182	305	-0.52	0.99	-0.79	0.0	9.68e-05	-2.95e-05
3182	307	-0.29	1.15	-0.80	0.0	-5.72e-05	1.51e-05
3182	310	-0.30	0.97	-0.79	0.0	-5.82e-05	1.47e-05
3183	44	-2.31	1.63	-1.53	0.0	7.19e-04	-5.19e-04
3183	59	-0.45	2.40	-1.76	0.0	-9.82e-05	2.77e-05
3183	68	-0.41	2.81	-1.56	0.0	-8.70e-05	2.70e-05
3183	116	-12.19	-6.67	-0.71	0.0	-1.28e-05	-3.44e-04
3183	129	6.24	15.52	-1.20	0.0	1.92e-05	4.52e-04
3183	148	-13.67	-7.68	-0.68	0.0	-7.84e-06	-3.90e-04
3183	161	7.07	17.46	-1.24	0.0	2.94e-05	5.08e-04
3183	180	-13.53	-7.99	-0.68	0.0	-1.20e-05	-3.88e-04
3183	193	7.13	18.09	-1.25	0.0	3.31e-05	5.18e-04
3183	212	-15.78	-9.79	-0.64	0.0	-6.03e-06	-4.62e-04
3183	225	8.50	21.62	-1.32	0.0	5.22e-05	6.18e-04
3183	264	-1.55	1.14	-1.08	0.0	4.76e-04	-3.45e-04
3183	271	-0.31	1.65	-1.23	0.0	-6.86e-05	1.93e-05
3183	276	-0.29	1.92	-1.10	0.0	-6.11e-05	1.88e-05
3183	301	-0.29	0.95	-0.97	0.0	-5.97e-05	1.54e-05
3183	305	-0.53	0.94	-0.91	0.0	5.10e-05	-5.76e-05
3183	307	-0.27	1.09	-0.91	0.0	-5.65e-05	1.53e-05
3183	310	-0.28	0.92	-0.91	0.0	-5.74e-05	1.50e-05
3184	44	-1.95	1.73	-1.53	0.0	7.18e-04	-2.87e-04
3184	59	-0.50	2.50	-1.77	0.0	-9.83e-05	2.68e-05
3184	68	-0.45	2.90	-1.57	0.0	-8.70e-05	2.65e-05
3184	116	-12.20	-6.64	-0.71	0.0	-1.02e-05	-3.60e-04
3184	129	6.24	15.63	-1.21	0.0	1.83e-05	4.65e-04

3184	148	-13.68	-7.65	-0.69	0.0	-4.90e-06	-4.08e-04
3184	161	7.07	17.58	-1.25	0.0	2.84e-05	5.24e-04
3184	180	-13.53	-7.96	-0.68	0.0	-9.06e-06	-4.07e-04
3184	193	7.13	18.22	-1.26	0.0	3.20e-05	5.35e-04
3184	212	-15.79	-9.77	-0.64	0.0	-2.64e-06	-4.83e-04
3184	225	8.51	21.75	-1.33	0.0	5.09e-05	6.37e-04
3184	264	-1.31	1.20	-1.08	0.0	4.75e-04	-1.91e-04
3184	271	-0.35	1.72	-1.24	0.0	-6.86e-05	1.87e-05
3184	276	-0.32	1.98	-1.11	0.0	-6.11e-05	1.84e-05
3184	301	-0.32	1.01	-0.97	0.0	-5.97e-05	1.49e-05
3184	305	-0.50	0.99	-0.91	0.0	5.08e-05	-2.70e-05
3184	307	-0.30	1.15	-0.92	0.0	-5.65e-05	1.48e-05
3184	310	-0.31	0.98	-0.92	0.0	-5.74e-05	1.44e-05
3185	11	-0.04	1.63	-1.79	0.0	-2.36e-04	1.92e-04
3185	44	-1.96	1.67	-1.58	0.0	3.60e-04	-5.27e-04
3185	68	-0.42	2.85	-1.59	0.0	-8.57e-05	2.71e-05
3185	116	-11.99	-6.65	-0.87	0.0	-2.46e-05	-4.20e-04
3185	129	6.00	15.54	-1.03	0.0	1.41e-05	4.87e-04
3185	148	-13.44	-7.66	-0.85	0.0	-2.12e-05	-4.74e-04
3185	161	6.80	17.49	-1.05	0.0	2.35e-05	5.49e-04
3185	180	-13.29	-7.97	-0.85	0.0	-2.49e-05	-4.73e-04
3185	193	6.85	18.13	-1.05	0.0	2.68e-05	5.59e-04
3185	212	-15.51	-9.77	-0.84	0.0	-2.11e-05	-5.60e-04
3185	225	8.16	21.65	-1.07	0.0	4.42e-05	6.65e-04
3185	247	-0.04	1.13	-1.25	0.0	-1.60e-04	1.29e-04
3185	264	-1.32	1.16	-1.11	0.0	2.37e-04	-3.50e-04
3185	276	-0.30	1.95	-1.12	0.0	-6.02e-05	1.89e-05
3185	301	-0.30	0.97	-1.00	0.0	-5.85e-05	1.55e-05
3185	305	-0.49	0.96	-0.95	0.0	3.87e-06	-5.84e-05
3185	307	-0.28	1.12	-0.95	0.0	-5.55e-05	1.54e-05
3185	310	-0.29	0.94	-0.95	0.0	-5.64e-05	1.50e-05
3186	11	-0.15	1.69	-1.80	0.0	-2.36e-04	1.16e-04
3186	44	-1.78	1.73	-1.59	0.0	3.61e-04	-2.81e-04
3186	68	-0.47	2.91	-1.60	0.0	-8.57e-05	2.63e-05
3186	113	11.37	8.60	-1.03	0.0	-9.29e-05	4.15e-04
3186	116	-12.00	-6.64	-0.87	0.0	-1.99e-05	-3.87e-04
3186	129	5.99	15.63	-1.03	0.0	1.20e-05	4.79e-04
3186	145	12.82	9.61	-1.04	0.0	-9.70e-05	4.66e-04
3186	148	-13.45	-7.65	-0.86	0.0	-1.58e-05	-4.37e-04
3186	161	6.79	17.58	-1.04	0.0	2.12e-05	5.39e-04
3186	180	-13.31	-7.96	-0.86	0.0	-1.96e-05	-4.36e-04
3186	193	6.85	18.22	-1.04	0.0	2.44e-05	5.50e-04
3186	212	-15.52	-9.77	-0.85	0.0	-1.49e-05	-5.18e-04
3186	225	8.17	21.76	-1.06	0.0	4.14e-05	6.55e-04
3186	247	-0.12	1.17	-1.26	0.0	-1.61e-04	7.81e-05
3186	264	-1.21	1.21	-1.12	0.0	2.37e-04	-1.86e-04
3186	276	-0.33	1.99	-1.13	0.0	-6.02e-05	1.83e-05
3186	301	-0.32	1.01	-1.01	0.0	-5.86e-05	1.47e-05
3186	305	-0.49	1.00	-0.95	0.0	4.01e-06	-2.62e-05
3186	307	-0.31	1.15	-0.95	0.0	-5.55e-05	1.47e-05
3186	310	-0.32	0.98	-0.95	0.0	-5.64e-05	1.43e-05
3187	44	-1.57	1.81	-1.35	0.0	1.09e-03	-3.72e-05
3187	59	-0.53	2.60	-1.58	0.0	-9.98e-05	2.60e-05
3187	68	-0.48	2.99	-1.40	0.0	-8.81e-05	2.59e-05
3187	116	-12.40	-6.66	-0.49	0.0	-1.34e-04	-3.79e-04
3187	129	6.48	15.80	-1.30	0.0	6.92e-05	4.79e-04
3187	148	-13.90	-7.68	-0.44	0.0	-1.43e-04	-4.29e-04
3187	161	7.35	17.77	-1.36	0.0	8.58e-05	5.40e-04
3187	180	-13.77	-7.99	-0.44	0.0	-1.42e-04	-4.28e-04
3187	193	7.43	18.42	-1.38	0.0	8.91e-05	5.51e-04
3187	212	-16.06	-9.81	-0.36	0.0	-1.58e-04	-5.08e-04
3187	225	8.87	21.98	-1.50	0.0	1.19e-04	6.57e-04
3187	264	-1.06	1.26	-0.95	0.0	7.24e-04	-2.40e-05
3187	271	-0.37	1.78	-1.10	0.0	-6.97e-05	1.81e-05
3187	276	-0.34	2.05	-0.99	0.0	-6.19e-05	1.81e-05
3187	301	-0.34	1.06	-0.86	0.0	-6.07e-05	1.44e-05
3187	305	-0.47	1.04	-0.80	0.0	9.98e-05	5.99e-06
3187	307	-0.32	1.20	-0.81	0.0	-5.74e-05	1.44e-05
3187	310	-0.33	1.03	-0.81	0.0	-5.84e-05	1.40e-05
3188	44	-1.59	1.81	-1.57	0.0	7.17e-04	-3.45e-05
3188	59	-0.55	2.59	-1.82	0.0	-9.84e-05	2.56e-05
3188	68	-0.50	2.98	-1.60	0.0	-8.71e-05	2.56e-05
3188	116	-12.21	-6.66	-0.73	0.0	-9.25e-06	-3.79e-04
3188	129	6.23	15.80	-1.22	0.0	1.77e-05	4.80e-04
3188	148	-13.68	-7.68	-0.71	0.0	-3.80e-06	-4.28e-04

3188	161	7.07	17.76	-1.26	0.0	2.77e-05	5.41e-04
3188	180	-13.54	-7.99	-0.70	0.0	-7.97e-06	-4.28e-04
3188	193	7.14	18.41	-1.27	0.0	3.14e-05	5.52e-04
3188	212	-15.79	-9.81	-0.66	0.0	-1.36e-06	-5.08e-04
3188	225	8.52	21.97	-1.34	0.0	5.02e-05	6.59e-04
3188	264	-1.08	1.26	-1.11	0.0	4.75e-04	-2.22e-05
3188	271	-0.38	1.78	-1.27	0.0	-6.87e-05	1.78e-05
3188	276	-0.35	2.04	-1.13	0.0	-6.12e-05	1.78e-05
3188	301	-0.35	1.06	-0.99	0.0	-5.98e-05	1.41e-05
3188	305	-0.48	1.04	-0.93	0.0	5.07e-05	6.19e-06
3188	307	-0.33	1.20	-0.93	0.0	-5.66e-05	1.42e-05
3188	310	-0.34	1.02	-0.93	0.0	-5.75e-05	1.37e-05
3189	11	-0.27	1.76	-1.84	0.0	-2.34e-04	3.91e-05
3189	44	-1.61	1.80	-1.62	0.0	3.54e-04	-3.17e-05
3189	68	-0.51	2.98	-1.63	0.0	-8.57e-05	2.53e-05
3189	113	11.32	8.70	-1.05	0.0	-1.01e-04	4.07e-04
3189	116	-12.01	-6.66	-0.89	0.0	-1.14e-05	-3.80e-04
3189	129	5.98	15.79	-1.05	0.0	9.00e-06	4.82e-04
3189	145	12.77	9.72	-1.06	0.0	-1.06e-04	4.56e-04
3189	148	-13.45	-7.68	-0.88	0.0	-6.36e-06	-4.29e-04
3189	161	6.79	17.76	-1.06	0.0	1.77e-05	5.43e-04
3189	180	-13.31	-7.99	-0.88	0.0	-1.02e-05	-4.29e-04
3189	193	6.85	18.40	-1.06	0.0	2.09e-05	5.55e-04
3189	212	-15.52	-9.81	-0.86	0.0	-4.01e-06	-5.09e-04
3189	225	8.17	21.97	-1.08	0.0	3.72e-05	6.61e-04
3189	247	-0.20	1.23	-1.29	0.0	-1.59e-04	2.68e-05
3189	264	-1.09	1.25	-1.14	0.0	2.33e-04	-2.04e-05
3189	276	-0.36	2.04	-1.15	0.0	-6.02e-05	1.76e-05
3189	301	-0.35	1.05	-1.02	0.0	-5.86e-05	1.39e-05
3189	305	-0.48	1.04	-0.97	0.0	3.13e-06	6.37e-06
3189	307	-0.34	1.19	-0.97	0.0	-5.55e-05	1.40e-05
3189	310	-0.34	1.02	-0.97	0.0	-5.64e-05	1.35e-05
3190	44	-1.95	1.81	-1.56	0.0	2.82e-04	5.08e-04
3190	68	-0.46	2.98	-1.54	0.0	-8.89e-05	2.18e-05
3190	83	-0.54	1.41	-1.77	0.0	-1.03e-04	1.86e-05
3190	116	-11.39	-6.57	-1.02	0.0	-2.77e-05	-3.42e-04
3190	129	5.29	15.62	-0.78	0.0	-1.21e-05	4.59e-04
3190	132	-5.91	-13.57	-1.09	0.0	-1.03e-04	-4.36e-04
3190	148	-12.76	-7.58	-1.03	0.0	-2.44e-05	-3.86e-04
3190	161	6.00	17.57	-0.76	0.0	-5.98e-06	5.17e-04
3190	164	-6.61	-15.52	-1.11	0.0	-1.09e-04	-4.94e-04
3190	180	-12.61	-7.88	-1.03	0.0	-2.73e-05	-3.85e-04
3190	193	6.02	18.20	-0.75	0.0	-3.46e-06	5.28e-04
3190	196	-6.63	-16.15	-1.12	0.0	-1.11e-04	-5.05e-04
3190	212	-14.69	-9.69	-1.05	0.0	-2.34e-05	-4.58e-04
3190	225	7.16	21.73	-0.72	0.0	8.03e-06	6.29e-04
3190	228	-7.78	-19.68	-1.15	0.0	-1.23e-04	-6.06e-04
3190	264	-1.32	1.26	-1.10	0.0	1.85e-04	3.39e-04
3190	276	-0.33	2.04	-1.09	0.0	-6.24e-05	1.52e-05
3190	283	-0.37	0.99	-1.24	0.0	-7.18e-05	1.31e-05
3190	301	-0.32	1.06	-0.99	0.0	-5.96e-05	1.18e-05
3190	305	-0.50	1.04	-0.93	0.0	-7.37e-06	7.67e-05
3190	307	-0.31	1.20	-0.93	0.0	-5.68e-05	1.19e-05
3190	310	-0.31	1.02	-0.94	0.0	-5.75e-05	1.15e-05
3191	44	-1.81	1.79	-1.57	0.0	2.83e-04	3.02e-04
3191	68	-0.51	2.96	-1.55	0.0	-8.89e-05	2.32e-05
3191	83	-0.59	1.40	-1.78	0.0	-1.03e-04	1.98e-05
3191	116	-11.40	-6.60	-0.94	0.0	-2.34e-05	-3.74e-04
3191	129	5.27	15.66	-0.81	0.0	-1.39e-05	4.77e-04
3191	130	0.24	-11.51	-1.08	0.0	-1.32e-04	-2.89e-04
3191	148	-12.77	-7.62	-0.94	0.0	-1.96e-05	-4.23e-04
3191	161	5.98	17.61	-0.80	0.0	-7.98e-06	5.37e-04
3191	162	0.29	-13.18	-1.10	0.0	-1.42e-04	-3.29e-04
3191	180	-12.62	-7.92	-0.94	0.0	-2.26e-05	-4.22e-04
3191	193	6.00	18.24	-0.79	0.0	-5.50e-06	5.48e-04
3191	194	0.17	-13.74	-1.11	0.0	-1.43e-04	-3.43e-04
3191	212	-14.70	-9.73	-0.95	0.0	-1.79e-05	-5.01e-04
3191	225	7.15	21.78	-0.76	0.0	5.60e-06	6.54e-04
3191	226	0.16	-16.78	-1.15	0.0	-1.59e-04	-4.18e-04
3191	264	-1.23	1.24	-1.11	0.0	1.85e-04	2.02e-04
3191	276	-0.36	2.02	-1.09	0.0	-6.24e-05	1.61e-05
3191	283	-0.41	0.98	-1.25	0.0	-7.18e-05	1.39e-05
3191	301	-0.35	1.05	-0.99	0.0	-5.96e-05	1.25e-05
3191	305	-0.51	1.03	-0.94	0.0	-7.25e-06	4.99e-05
3191	307	-0.33	1.19	-0.94	0.0	-5.68e-05	1.27e-05

3191	310	-0.34	1.01	-0.94	0.0	-5.75e-05	1.22e-05
3192	44	-2.28	1.84	-1.42	0.0	5.86e-04	5.02e-04
3192	68	-0.48	3.01	-1.38	0.0	-9.09e-05	2.18e-05
3192	83	-0.55	1.45	-1.64	0.0	-1.05e-04	1.87e-05
3192	116	-11.21	-6.54	-1.04	0.0	-1.10e-05	-4.08e-04
3192	129	5.07	15.63	-0.45	0.0	-2.45e-05	4.87e-04
3192	132	-5.70	-13.54	-1.23	0.0	-9.26e-05	-4.64e-04
3192	148	-12.56	-7.55	-1.07	0.0	-5.50e-06	-4.60e-04
3192	161	5.75	17.57	-0.40	0.0	-1.98e-05	5.48e-04
3192	164	-6.38	-15.49	-1.28	0.0	-9.73e-05	-5.25e-04
3192	180	-12.40	-7.86	-1.08	0.0	-8.56e-06	-4.59e-04
3192	193	5.76	18.21	-0.38	0.0	-1.76e-05	5.59e-04
3192	196	-6.39	-16.12	-1.30	0.0	-9.94e-05	-5.36e-04
3192	212	-14.44	-9.66	-1.12	0.0	-1.24e-06	-5.44e-04
3192	225	6.85	21.73	-0.29	0.0	-8.72e-06	6.67e-04
3192	228	-7.48	-19.64	-1.39	0.0	-1.08e-04	-6.44e-04
3192	264	-1.54	1.28	-1.00	0.0	3.88e-04	3.35e-04
3192	276	-0.33	2.06	-0.98	0.0	-6.38e-05	1.52e-05
3192	283	-0.38	1.02	-1.15	0.0	-7.30e-05	1.31e-05
3192	301	-0.32	1.08	-0.90	0.0	-6.07e-05	1.18e-05
3192	305	-0.55	1.06	-0.84	0.0	3.24e-05	7.59e-05
3192	307	-0.31	1.22	-0.83	0.0	-5.80e-05	1.20e-05
3192	310	-0.32	1.04	-0.84	0.0	-5.85e-05	1.15e-05
3193	44	-1.99	1.79	-1.42	0.0	5.85e-04	3.08e-04
3193	68	-0.52	2.96	-1.39	0.0	-9.09e-05	2.31e-05
3193	83	-0.60	1.40	-1.65	0.0	-1.05e-04	1.97e-05
3193	116	-11.22	-6.60	-1.05	0.0	-8.71e-06	-3.97e-04
3193	129	5.05	15.65	-0.45	0.0	-2.51e-05	4.86e-04
3193	132	-5.74	-13.62	-1.24	0.0	-9.20e-05	-4.62e-04
3193	148	-12.56	-7.61	-1.07	0.0	-2.90e-06	-4.48e-04
3193	161	5.73	17.60	-0.40	0.0	-2.05e-05	5.48e-04
3193	164	-6.42	-15.57	-1.29	0.0	-9.66e-05	-5.24e-04
3193	180	-12.41	-7.92	-1.08	0.0	-6.00e-06	-4.48e-04
3193	193	5.74	18.24	-0.39	0.0	-1.84e-05	5.60e-04
3193	196	-6.43	-16.21	-1.30	0.0	-9.88e-05	-5.35e-04
3193	212	-14.44	-9.73	-1.13	0.0	1.75e-06	-5.31e-04
3193	225	6.83	21.77	-0.29	0.0	-9.57e-06	6.67e-04
3193	228	-7.52	-19.75	-1.40	0.0	-1.08e-04	-6.43e-04
3193	264	-1.34	1.25	-1.01	0.0	3.87e-04	2.06e-04
3193	276	-0.37	2.03	-0.98	0.0	-6.39e-05	1.61e-05
3193	283	-0.42	0.99	-1.16	0.0	-7.30e-05	1.38e-05
3193	301	-0.35	1.05	-0.90	0.0	-6.07e-05	1.25e-05
3193	305	-0.54	1.03	-0.84	0.0	3.22e-05	5.07e-05
3193	307	-0.34	1.19	-0.84	0.0	-5.80e-05	1.27e-05
3193	310	-0.35	1.01	-0.85	0.0	-5.86e-05	1.22e-05
3194	44	-2.61	1.85	-1.11	0.0	8.78e-04	4.89e-04
3194	68	-0.49	3.01	-1.05	0.0	-9.27e-05	2.19e-05
3194	83	-0.56	1.47	-1.31	0.0	-1.06e-04	1.87e-05
3194	116	-10.98	-6.52	-0.98	0.0	-5.21e-05	-4.75e-04
3194	129	4.84	15.60	-0.05	0.0	-1.60e-05	5.15e-04
3194	132	-5.48	-13.50	-1.28	0.0	-1.03e-04	-4.91e-04
3194	148	-12.29	-7.53	-1.02	0.0	-5.15e-05	-5.36e-04
3194	161	5.48	17.53	0.03	0.0	-1.01e-05	5.80e-04
3194	164	-6.13	-15.44	-1.36	0.0	-1.09e-04	-5.57e-04
3194	180	-12.13	-7.83	-1.04	0.0	-5.37e-05	-5.35e-04
3194	193	5.48	18.17	0.06	0.0	-7.89e-06	5.91e-04
3194	196	-6.13	-16.08	-1.39	0.0	-1.11e-04	-5.68e-04
3194	212	-14.12	-9.63	-1.11	0.0	-5.34e-05	-6.33e-04
3194	225	6.52	21.68	0.20	0.0	2.85e-06	7.05e-04
3194	228	-7.16	-19.59	-1.53	0.0	-1.22e-04	-6.82e-04
3194	264	-1.76	1.29	-0.79	0.0	5.82e-04	3.27e-04
3194	276	-0.34	2.06	-0.75	0.0	-6.51e-05	1.52e-05
3194	283	-0.39	1.03	-0.92	0.0	-7.39e-05	1.31e-05
3194	301	-0.33	1.08	-0.71	0.0	-6.16e-05	1.18e-05
3194	305	-0.60	1.06	-0.66	0.0	7.05e-05	7.43e-05
3194	307	-0.32	1.22	-0.66	0.0	-5.89e-05	1.20e-05
3194	310	-0.32	1.05	-0.67	0.0	-5.94e-05	1.16e-05
3195	44	-2.17	1.79	-1.13	0.0	8.81e-04	3.26e-04
3195	68	-0.54	2.96	-1.07	0.0	-9.27e-05	2.30e-05
3195	83	-0.61	1.40	-1.33	0.0	-1.06e-04	1.96e-05
3195	116	-11.00	-6.60	-0.99	0.0	-5.00e-05	-4.21e-04
3195	129	4.82	15.65	-0.05	0.0	-1.69e-05	4.97e-04
3195	132	-5.52	-13.62	-1.29	0.0	-1.02e-04	-4.73e-04
3195	148	-12.32	-7.61	-1.03	0.0	-4.91e-05	-4.75e-04
3195	161	5.47	17.60	0.03	0.0	-1.12e-05	5.60e-04

3195	164	-6.18	-15.57	-1.37	0.0	-1.08e-04	-5.36e-04
3195	180	-12.16	-7.92	-1.05	0.0	-5.14e-05	-4.75e-04
3195	193	5.47	18.24	0.06	0.0	-8.96e-06	5.72e-04
3195	196	-6.17	-16.21	-1.40	0.0	-1.10e-04	-5.47e-04
3195	212	-14.15	-9.73	-1.12	0.0	-5.08e-05	-5.62e-04
3195	225	6.51	21.77	0.21	0.0	1.60e-06	6.82e-04
3195	228	-7.21	-19.74	-1.55	0.0	-1.20e-04	-6.57e-04
3195	264	-1.46	1.25	-0.80	0.0	5.84e-04	2.18e-04
3195	276	-0.38	2.03	-0.76	0.0	-6.51e-05	1.61e-05
3195	283	-0.43	0.99	-0.93	0.0	-7.40e-05	1.37e-05
3195	301	-0.36	1.05	-0.72	0.0	-6.16e-05	1.24e-05
3195	305	-0.57	1.03	-0.67	0.0	7.09e-05	5.29e-05
3195	307	-0.35	1.19	-0.66	0.0	-5.89e-05	1.26e-05
3195	310	-0.35	1.01	-0.67	0.0	-5.94e-05	1.21e-05
3196	44	-1.67	1.79	-1.60	0.0	2.78e-04	9.45e-05
3196	68	-0.55	2.97	-1.58	0.0	-8.88e-05	2.45e-05
3196	83	-0.64	1.40	-1.82	0.0	-1.03e-04	2.10e-05
3196	116	-11.41	-6.66	-0.96	0.0	-1.54e-05	-3.84e-04
3196	129	5.25	15.78	-0.83	0.0	-1.70e-05	4.85e-04
3196	130	0.19	-11.61	-1.10	0.0	-1.34e-04	-2.90e-04
3196	148	-12.78	-7.68	-0.96	0.0	-1.05e-05	-4.34e-04
3196	161	5.96	17.75	-0.81	0.0	-1.15e-05	5.46e-04
3196	162	0.23	-13.29	-1.12	0.0	-1.43e-04	-3.30e-04
3196	180	-12.63	-7.99	-0.96	0.0	-1.37e-05	-4.34e-04
3196	193	5.99	18.39	-0.81	0.0	-9.13e-06	5.58e-04
3196	194	0.11	-13.86	-1.12	0.0	-1.44e-04	-3.45e-04
3196	212	-14.70	-9.82	-0.96	0.0	-7.48e-06	-5.15e-04
3196	225	7.14	21.96	-0.77	0.0	1.28e-06	6.65e-04
3196	226	0.09	-16.92	-1.16	0.0	-1.61e-04	-4.20e-04
3196	264	-1.14	1.25	-1.13	0.0	1.82e-04	6.37e-05
3196	276	-0.39	2.03	-1.11	0.0	-6.24e-05	1.71e-05
3196	283	-0.44	0.99	-1.27	0.0	-7.17e-05	1.47e-05
3196	301	-0.38	1.05	-1.01	0.0	-5.96e-05	1.33e-05
3196	305	-0.51	1.03	-0.95	0.0	-7.96e-06	2.28e-05
3196	307	-0.36	1.19	-0.95	0.0	-5.68e-05	1.35e-05
3196	310	-0.37	1.02	-0.95	0.0	-5.74e-05	1.30e-05
3197	44	-1.70	1.79	-1.46	0.0	5.85e-04	9.69e-05
3197	68	-0.57	2.97	-1.42	0.0	-9.10e-05	2.44e-05
3197	83	-0.65	1.40	-1.70	0.0	-1.05e-04	2.07e-05
3197	116	-11.22	-6.66	-1.06	0.0	-8.18e-06	-3.84e-04
3197	129	5.02	15.78	-0.47	0.0	-2.52e-05	4.85e-04
3197	132	-5.77	-13.75	-1.25	0.0	-9.20e-05	-4.60e-04
3197	148	-12.56	-7.68	-1.09	0.0	-2.30e-06	-4.34e-04
3197	161	5.70	17.75	-0.42	0.0	-2.07e-05	5.47e-04
3197	164	-6.45	-15.72	-1.30	0.0	-9.66e-05	-5.21e-04
3197	180	-12.41	-7.99	-1.10	0.0	-5.42e-06	-4.34e-04
3197	193	5.72	18.39	-0.40	0.0	-1.85e-05	5.59e-04
3197	196	-6.47	-16.36	-1.32	0.0	-9.88e-05	-5.33e-04
3197	212	-14.44	-9.82	-1.15	0.0	2.44e-06	-5.15e-04
3197	225	6.81	21.95	-0.31	0.0	-9.72e-06	6.66e-04
3197	228	-7.56	-19.92	-1.42	0.0	-1.08e-04	-6.41e-04
3197	264	-1.15	1.25	-1.03	0.0	3.87e-04	6.53e-05
3197	276	-0.40	2.03	-1.01	0.0	-6.39e-05	1.70e-05
3197	283	-0.45	0.99	-1.19	0.0	-7.31e-05	1.46e-05
3197	301	-0.39	1.05	-0.92	0.0	-6.08e-05	1.32e-05
3197	305	-0.52	1.03	-0.86	0.0	3.21e-05	2.30e-05
3197	307	-0.37	1.19	-0.86	0.0	-5.80e-05	1.33e-05
3197	310	-0.37	1.02	-0.86	0.0	-5.86e-05	1.29e-05
3198	44	-1.72	1.79	-1.15	0.0	9.01e-04	9.94e-05
3198	68	-0.58	2.97	-1.10	0.0	-9.28e-05	2.41e-05
3198	83	-0.66	1.40	-1.36	0.0	-1.06e-04	2.04e-05
3198	116	-11.03	-6.67	-1.01	0.0	-4.48e-05	-3.84e-04
3198	129	4.80	15.78	-0.07	0.0	-1.87e-05	4.86e-04
3198	132	-5.57	-13.75	-1.30	0.0	-1.00e-04	-4.61e-04
3198	148	-12.34	-7.68	-1.05	0.0	-4.33e-05	-4.34e-04
3198	161	5.45	17.75	0.02	0.0	-1.32e-05	5.48e-04
3198	164	-6.22	-15.72	-1.39	0.0	-1.06e-04	-5.23e-04
3198	180	-12.19	-8.00	-1.06	0.0	-4.57e-05	-4.34e-04
3198	193	5.45	18.39	0.04	0.0	-1.10e-05	5.60e-04
3198	196	-6.22	-16.36	-1.41	0.0	-1.08e-04	-5.35e-04
3198	212	-14.18	-9.82	-1.14	0.0	-4.42e-05	-5.15e-04
3198	225	6.50	21.95	0.19	0.0	0.0	6.68e-04
3198	228	-7.26	-19.92	-1.56	0.0	-1.18e-04	-6.43e-04
3198	264	-1.17	1.25	-0.82	0.0	5.98e-04	6.70e-05
3198	276	-0.41	2.03	-0.78	0.0	-6.51e-05	1.68e-05

3198	283	-0.46	0.99	-0.96	0.0	-7.41e-05	1.43e-05
3198	301	-0.39	1.05	-0.73	0.0	-6.17e-05	1.30e-05
3198	305	-0.53	1.03	-0.68	0.0	7.36e-05	2.32e-05
3198	307	-0.38	1.19	-0.68	0.0	-5.90e-05	1.32e-05
3198	310	-0.38	1.01	-0.69	0.0	-5.95e-05	1.27e-05
3199	44	-1.21	0.23	-0.46	0.0	-1.14e-03	2.68e-04
3199	68	-0.07	0.72	-0.41	0.0	-5.79e-05	6.57e-06
3199	76	-0.09	5.00e-03	-0.57	0.0	-7.32e-05	7.13e-06
3199	116	-5.49	-3.07	-0.54	0.0	-1.52e-03	-2.06e-04
3199	129	2.54	6.20	0.17	0.0	6.73e-04	2.35e-04
3199	132	-2.64	-6.02	-0.76	0.0	-7.52e-04	-2.27e-04
3199	148	-6.16	-3.49	-0.57	0.0	-1.70e-03	-2.32e-04
3199	161	2.87	7.01	0.23	0.0	7.63e-04	2.65e-04
3199	164	-2.97	-6.83	-0.83	0.0	-8.41e-04	-2.57e-04
3199	180	-6.07	-3.61	-0.58	0.0	-1.68e-03	-2.31e-04
3199	193	2.86	7.28	0.25	0.0	7.62e-04	2.70e-04
3199	196	-2.96	-7.09	-0.85	0.0	-8.40e-04	-2.62e-04
3199	212	-7.09	-4.36	-0.64	0.0	-1.95e-03	-2.73e-04
3199	225	3.38	8.75	0.36	0.0	9.04e-04	3.22e-04
3199	228	-3.48	-8.57	-0.96	0.0	-9.82e-04	-3.14e-04
3199	264	-0.81	0.16	-0.32	0.0	-7.65e-04	1.79e-04
3199	276	-0.05	0.49	-0.29	0.0	-4.06e-05	4.58e-06
3199	280	-0.06	7.47e-03	-0.39	0.0	-5.07e-05	4.95e-06
3199	298	-0.05	0.10	-0.32	0.0	-4.16e-05	4.07e-06
3199	305	-0.20	0.10	-0.30	0.0	-1.84e-04	3.87e-05
3199	307	-0.05	0.17	-0.29	0.0	-3.88e-05	3.88e-06
3199	310	-0.05	0.09	-0.30	0.0	-3.93e-05	3.82e-06
3200	44	-1.81	0.22	-0.48	0.0	-1.10e-03	2.99e-04
3200	68	-0.10	0.74	-0.43	0.0	-5.79e-05	7.41e-06
3200	76	-0.13	-0.02	-0.59	0.0	-7.31e-05	7.88e-06
3200	116	-6.29	-3.25	-0.55	0.0	-1.51e-03	-2.79e-04
3200	129	2.90	6.53	0.15	0.0	6.70e-04	2.83e-04
3200	132	-3.04	-6.36	-0.77	0.0	-7.48e-04	-2.75e-04
3200	148	-7.06	-3.69	-0.58	0.0	-1.69e-03	-3.14e-04
3200	161	3.27	7.39	0.22	0.0	7.59e-04	3.19e-04
3200	164	-3.41	-7.22	-0.84	0.0	-8.37e-04	-3.11e-04
3200	180	-6.96	-3.83	-0.59	0.0	-1.67e-03	-3.13e-04
3200	193	3.26	7.66	0.24	0.0	7.58e-04	3.25e-04
3200	196	-3.40	-7.49	-0.86	0.0	-8.37e-04	-3.16e-04
3200	212	-8.12	-4.62	-0.65	0.0	-1.94e-03	-3.69e-04
3200	225	3.85	9.22	0.35	0.0	8.99e-04	3.87e-04
3200	228	-3.99	-9.05	-0.97	0.0	-9.78e-04	-3.79e-04
3200	264	-1.21	0.15	-0.33	0.0	-7.38e-04	2.00e-04
3200	276	-0.07	0.50	-0.30	0.0	-4.06e-05	5.17e-06
3200	280	-0.09	-6.62e-03	-0.41	0.0	-5.07e-05	5.49e-06
3200	298	-0.07	0.09	-0.33	0.0	-4.15e-05	4.51e-06
3200	305	-0.30	0.10	-0.31	0.0	-1.78e-04	4.32e-05
3200	307	-0.07	0.16	-0.30	0.0	-3.88e-05	4.32e-06
3200	310	-0.07	0.08	-0.31	0.0	-3.93e-05	4.24e-06
3201	44	-1.43	0.25	-0.02	0.0	-1.43e-03	2.52e-04
3201	68	-0.08	0.74	0.02	0.0	-8.38e-05	-6.48e-06
3201	89	-0.06	-0.20	-0.06	0.0	-5.02e-05	-1.82e-06
3201	123	-5.56	2.08	0.12	0.0	-1.54e-03	2.67e-05
3201	129	0.31	6.24	0.40	0.0	2.89e-05	1.98e-04
3201	132	-0.43	-6.03	-0.45	0.0	-1.37e-04	-2.03e-04
3201	155	-6.24	2.34	0.14	0.0	-1.72e-03	3.08e-05
3201	161	0.36	7.06	0.46	0.0	3.95e-05	2.23e-04
3201	164	-0.48	-6.85	-0.51	0.0	-1.48e-04	-2.29e-04
3201	187	-6.14	2.41	0.15	0.0	-1.70e-03	3.39e-05
3201	193	0.36	7.32	0.48	0.0	4.11e-05	2.26e-04
3201	196	-0.48	-7.11	-0.53	0.0	-1.49e-04	-2.31e-04
3201	219	-7.13	2.87	0.18	0.0	-1.96e-03	4.21e-05
3201	225	0.43	8.80	0.58	0.0	5.78e-05	2.70e-04
3201	228	-0.55	-8.59	-0.63	0.0	-1.66e-04	-2.75e-04
3201	264	-0.96	0.17	-0.01	0.0	-9.57e-04	1.68e-04
3201	276	-0.06	0.50	7.30e-03	0.0	-5.87e-05	-4.48e-06
3201	285	-0.04	-0.13	-0.04	0.0	-3.63e-05	-1.38e-06
3201	305	-0.24	0.12	-0.02	0.0	-2.33e-04	3.16e-05
3201	307	-0.06	0.18	-0.02	0.0	-5.38e-05	-2.92e-06
3201	308	-0.04	0.02	-0.03	0.0	-3.57e-05	-1.91e-06
3201	309	-0.04	0.06	-0.03	0.0	-3.55e-05	-2.04e-06
3201	310	-0.06	0.11	-0.02	0.0	-5.41e-05	-2.66e-06
3202	44	-2.18	0.28	-0.02	0.0	-1.39e-03	2.19e-04
3202	68	-0.13	0.79	0.01	0.0	-8.38e-05	-1.03e-05
3202	90	-0.09	-0.19	-0.06	0.0	-5.47e-05	-4.49e-06

3202	123	-6.37	2.20	0.12	0.0	-1.53e-03	-1.64e-06
3202	129	0.33	6.62	0.40	0.0	2.92e-05	2.17e-04
3202	132	-0.51	-6.37	-0.45	0.0	-1.37e-04	-2.27e-04
3202	155	-7.15	2.48	0.14	0.0	-1.71e-03	0.0
3202	161	0.38	7.48	0.46	0.0	3.97e-05	2.46e-04
3202	164	-0.56	-7.24	-0.51	0.0	-1.48e-04	-2.55e-04
3202	187	-7.03	2.55	0.14	0.0	-1.68e-03	4.06e-06
3202	193	0.38	7.76	0.47	0.0	4.13e-05	2.49e-04
3202	196	-0.56	-7.52	-0.52	0.0	-1.50e-04	-2.58e-04
3202	219	-8.16	3.04	0.18	0.0	-1.95e-03	7.99e-06
3202	225	0.46	9.33	0.58	0.0	5.80e-05	2.97e-04
3202	228	-0.64	-9.08	-0.63	0.0	-1.66e-04	-3.06e-04
3202	264	-1.46	0.19	-0.02	0.0	-9.26e-04	1.46e-04
3202	276	-0.09	0.53	3.06e-03	0.0	-5.87e-05	-7.13e-06
3202	286	-0.06	-0.12	-0.04	0.0	-3.93e-05	-3.27e-06
3202	305	-0.36	0.13	-0.02	0.0	-2.27e-04	2.55e-05
3202	307	-0.09	0.20	-0.02	0.0	-5.38e-05	-5.01e-06
3202	308	-0.06	0.03	-0.03	0.0	-3.57e-05	-3.31e-06
3202	309	-0.06	0.07	-0.03	0.0	-3.55e-05	-3.48e-06
3202	310	-0.09	0.12	-0.03	0.0	-5.41e-05	-4.69e-06
3203	44	-0.92	0.25	-0.12	0.0	-5.42e-04	2.55e-04
3203	68	-0.09	0.74	-0.17	0.0	-7.63e-05	-3.79e-06
3203	123	-5.46	2.08	-0.18	0.0	-1.38e-03	1.28e-04
3203	129	0.48	6.24	-0.52	0.0	7.15e-05	1.95e-04
3203	155	-6.13	2.34	-0.19	0.0	-1.55e-03	1.45e-04
3203	161	0.54	7.06	-0.58	0.0	8.65e-05	2.20e-04
3203	187	-6.03	2.41	-0.20	0.0	-1.53e-03	1.43e-04
3203	193	0.54	7.32	-0.60	0.0	8.62e-05	2.22e-04
3203	219	-7.00	2.87	-0.22	0.0	-1.77e-03	1.69e-04
3203	225	0.64	8.80	-0.71	0.0	1.10e-04	2.65e-04
3203	264	-0.62	0.17	-0.09	0.0	-3.64e-04	1.70e-04
3203	276	-0.06	0.50	-0.12	0.0	-5.35e-05	-2.61e-06
3203	305	-0.17	0.12	-0.08	0.0	-1.11e-04	3.31e-05
3203	307	-0.06	0.18	-0.09	0.0	-4.88e-05	-1.40e-06
3203	310	-0.06	0.11	-0.08	0.0	-4.90e-05	-1.16e-06
3204	44	-1.21	0.27	-0.12	0.0	-5.44e-04	4.13e-04
3204	68	-0.13	0.78	-0.17	0.0	-7.61e-05	0.0
3204	123	-6.19	2.21	-0.18	0.0	-1.38e-03	2.08e-04
3204	129	0.52	6.61	-0.52	0.0	7.15e-05	1.53e-04
3204	155	-6.95	2.48	-0.19	0.0	-1.55e-03	2.34e-04
3204	161	0.59	7.47	-0.58	0.0	8.64e-05	1.73e-04
3204	187	-6.84	2.56	-0.20	0.0	-1.52e-03	2.31e-04
3204	193	0.58	7.75	-0.60	0.0	8.61e-05	1.78e-04
3204	219	-7.93	3.05	-0.22	0.0	-1.76e-03	2.70e-04
3204	225	0.70	9.32	-0.70	0.0	1.10e-04	2.14e-04
3204	264	-0.81	0.19	-0.09	0.0	-3.66e-04	2.76e-04
3204	276	-0.09	0.53	-0.12	0.0	-5.34e-05	0.0
3204	305	-0.23	0.13	-0.08	0.0	-1.11e-04	5.59e-05
3204	307	-0.09	0.20	-0.09	0.0	-4.87e-05	0.0
3204	310	-0.09	0.12	-0.08	0.0	-4.90e-05	0.0
3205	44	-0.56	0.22	-0.95	1.40e-04	-3.52e-04	1.79e-05
3205	68	-0.04	0.69	-0.94	1.66e-04	-5.52e-05	6.00e-06
3205	76	-0.05	-4.90e-04	-1.13	1.46e-04	-7.05e-05	6.19e-06
3205	116	-4.83	-2.89	-0.59	-4.98e-05	-1.64e-03	-1.54e-04
3205	129	2.35	5.83	-0.63	3.36e-04	7.86e-04	1.92e-04
3205	148	-5.42	-3.28	-0.59	-6.73e-05	-1.84e-03	-1.73e-04
3205	161	2.65	6.59	-0.64	3.70e-04	8.90e-04	2.16e-04
3205	180	-5.35	-3.40	-0.58	-7.26e-05	-1.82e-03	-1.73e-04
3205	193	2.65	6.84	-0.64	3.81e-04	8.94e-04	2.21e-04
3205	212	-6.25	-4.10	-0.58	-1.04e-04	-2.12e-03	-2.04e-04
3205	225	3.14	8.23	-0.64	4.42e-04	1.06e-03	2.63e-04
3205	264	-0.37	0.15	-0.66	9.84e-05	-2.36e-04	1.21e-05
3205	276	-0.02	0.46	-0.66	1.15e-04	-3.87e-05	4.18e-06
3205	280	-0.03	3.44e-03	-0.78	1.02e-04	-4.89e-05	4.30e-06
3205	298	-0.03	0.09	-0.64	8.63e-05	-4.00e-05	3.58e-06
3205	305	-0.09	0.10	-0.60	8.27e-05	-7.69e-05	5.04e-06
3205	307	-0.02	0.16	-0.60	8.61e-05	-3.73e-05	3.45e-06
3205	310	-0.02	0.09	-0.61	8.22e-05	-3.79e-05	3.37e-06
3206	44	-0.88	0.24	-0.93	0.0	-6.06e-04	2.26e-04
3206	68	-0.07	0.73	-0.92	0.0	-5.62e-05	6.48e-06
3206	76	-0.08	0.01	-1.10	0.0	-7.12e-05	6.86e-06
3206	116	-5.69	-3.06	-0.58	0.0	-1.62e-03	-1.95e-04
3206	129	2.75	6.20	-0.61	0.0	7.52e-04	2.32e-04
3206	148	-6.39	-3.48	-0.57	0.0	-1.82e-03	-2.20e-04
3206	161	3.11	7.01	-0.61	0.0	8.52e-04	2.61e-04

3206	180	-6.31	-3.61	-0.57	0.0	-1.79e-03	-2.19e-04
3206	193	3.11	7.28	-0.61	0.0	8.54e-04	2.66e-04
3206	212	-7.36	-4.36	-0.57	0.0	-2.09e-03	-2.59e-04
3206	225	3.68	8.75	-0.62	0.0	1.01e-03	3.17e-04
3206	264	-0.59	0.16	-0.65	0.0	-4.06e-04	1.51e-04
3206	276	-0.05	0.49	-0.64	0.0	-3.94e-05	4.51e-06
3206	280	-0.06	0.01	-0.76	0.0	-4.94e-05	4.77e-06
3206	298	-0.05	0.10	-0.63	0.0	-4.05e-05	3.94e-06
3206	305	-0.15	0.11	-0.59	0.0	-1.11e-04	3.31e-05
3206	307	-0.04	0.17	-0.59	0.0	-3.78e-05	3.77e-06
3206	310	-0.05	0.10	-0.59	0.0	-3.83e-05	3.70e-06
3207	44	-0.57	0.22	-0.79	3.78e-04	-3.52e-04	1.83e-05
3207	68	-0.04	0.69	-0.76	4.09e-04	-5.52e-05	5.96e-06
3207	76	-0.05	3.91e-03	-0.96	4.27e-04	-7.05e-05	6.23e-06
3207	116	-4.75	-2.88	-0.63	3.83e-05	-1.64e-03	-1.53e-04
3207	129	2.26	5.82	-0.28	6.10e-04	7.86e-04	1.92e-04
3207	132	-2.32	-5.65	-0.74	-1.43e-04	-8.62e-04	-1.85e-04
3207	148	-5.33	-3.27	-0.64	1.23e-05	-1.84e-03	-1.72e-04
3207	161	2.55	6.59	-0.25	6.61e-04	8.90e-04	2.16e-04
3207	164	-2.61	-6.41	-0.77	-1.93e-04	-9.66e-04	-2.09e-04
3207	180	-5.26	-3.39	-0.65	4.42e-06	-1.82e-03	-1.72e-04
3207	193	2.55	6.83	-0.24	6.77e-04	8.94e-04	2.20e-04
3207	196	-2.60	-6.66	-0.78	-2.09e-04	-9.70e-04	-2.14e-04
3207	212	-6.14	-4.09	-0.67	-4.20e-05	-2.12e-03	-2.03e-04
3207	225	3.01	8.22	-0.19	7.68e-04	1.06e-03	2.63e-04
3207	228	-3.06	-8.04	-0.83	-3.00e-04	-1.14e-03	-2.56e-04
3207	264	-0.38	0.15	-0.55	2.64e-04	-2.36e-04	1.24e-05
3207	276	-0.03	0.46	-0.54	2.85e-04	-3.87e-05	4.15e-06
3207	280	-0.03	6.47e-03	-0.66	2.97e-04	-4.89e-05	4.33e-06
3207	298	-0.03	0.09	-0.54	2.48e-04	-4.00e-05	3.59e-06
3207	305	-0.10	0.10	-0.51	2.35e-04	-7.69e-05	5.10e-06
3207	307	-0.03	0.16	-0.51	2.39e-04	-3.73e-05	3.45e-06
3207	310	-0.03	0.09	-0.51	2.34e-04	-3.79e-05	3.38e-06
3208	44	-1.04	0.23	-0.76	0.0	-8.87e-04	2.62e-04
3208	68	-0.07	0.72	-0.74	0.0	-5.68e-05	6.61e-06
3208	76	-0.09	6.84e-03	-0.92	0.0	-7.22e-05	7.05e-06
3208	116	-5.59	-3.07	-0.61	0.0	-1.57e-03	-2.00e-04
3208	129	2.65	6.20	-0.26	0.0	7.14e-04	2.33e-04
3208	132	-2.74	-6.02	-0.73	0.0	-7.92e-04	-2.26e-04
3208	148	-6.28	-3.49	-0.63	0.0	-1.76e-03	-2.25e-04
3208	161	2.98	7.02	-0.22	0.0	8.09e-04	2.63e-04
3208	164	-3.08	-6.83	-0.76	0.0	-8.87e-04	-2.55e-04
3208	180	-6.19	-3.61	-0.63	0.0	-1.74e-03	-2.24e-04
3208	193	2.98	7.28	-0.21	0.0	8.10e-04	2.68e-04
3208	196	-3.08	-7.09	-0.77	0.0	-8.87e-04	-2.60e-04
3208	212	-7.23	-4.36	-0.66	0.0	-2.03e-03	-2.65e-04
3208	225	3.52	8.75	-0.16	0.0	9.61e-04	3.19e-04
3208	228	-3.62	-8.57	-0.83	0.0	-1.04e-03	-3.12e-04
3208	264	-0.70	0.16	-0.54	0.0	-5.93e-04	1.75e-04
3208	276	-0.05	0.49	-0.52	0.0	-3.98e-05	4.61e-06
3208	280	-0.06	8.68e-03	-0.64	0.0	-5.01e-05	4.90e-06
3208	298	-0.05	0.10	-0.52	0.0	-4.10e-05	4.04e-06
3208	305	-0.18	0.10	-0.49	0.0	-1.49e-04	3.79e-05
3208	307	-0.05	0.17	-0.49	0.0	-3.82e-05	3.86e-06
3208	310	-0.05	0.09	-0.49	0.0	-3.88e-05	3.79e-06
3209	44	-1.21	0.23	-0.92	0.0	-6.11e-04	3.59e-04
3209	68	-0.10	0.74	-0.91	0.0	-5.61e-05	6.92e-06
3209	76	-0.12	-2.66e-03	-1.09	0.0	-7.13e-05	7.31e-06
3209	116	-6.54	-3.20	-0.57	0.0	-1.61e-03	-2.17e-04
3209	129	3.15	6.45	-0.61	0.0	7.46e-04	2.61e-04
3209	148	-7.34	-3.64	-0.57	0.0	-1.80e-03	-2.45e-04
3209	161	3.55	7.29	-0.61	0.0	8.45e-04	2.94e-04
3209	180	-7.25	-3.77	-0.57	0.0	-1.78e-03	-2.43e-04
3209	193	3.56	7.57	-0.61	0.0	8.47e-04	2.99e-04
3209	212	-8.46	-4.55	-0.57	0.0	-2.07e-03	-2.88e-04
3209	225	4.21	9.10	-0.62	0.0	1.01e-03	3.57e-04
3209	264	-0.81	0.16	-0.64	0.0	-4.09e-04	2.39e-04
3209	276	-0.07	0.50	-0.64	0.0	-3.93e-05	4.82e-06
3209	280	-0.08	2.15e-03	-0.76	0.0	-4.94e-05	5.08e-06
3209	298	-0.07	0.10	-0.62	0.0	-4.05e-05	4.19e-06
3209	305	-0.21	0.10	-0.59	0.0	-1.12e-04	5.09e-05
3209	307	-0.06	0.17	-0.58	0.0	-3.78e-05	4.01e-06
3209	310	-0.07	0.09	-0.59	0.0	-3.83e-05	3.93e-06
3210	44	-1.52	0.21	-0.76	0.0	-8.87e-04	4.04e-04
3210	68	-0.10	0.72	-0.73	0.0	-5.69e-05	7.25e-06

3210	76	-0.13	-0.03	-0.91	0.0	-7.22e-05	7.69e-06
3210	116	-6.43	-3.22	-0.61	0.0	-1.57e-03	-2.43e-04
3210	129	3.03	6.46	-0.25	0.0	7.13e-04	2.70e-04
3210	132	-3.16	-6.30	-0.72	0.0	-7.91e-04	-2.62e-04
3210	148	-7.22	-3.66	-0.63	0.0	-1.76e-03	-2.74e-04
3210	161	3.42	7.31	-0.22	0.0	8.08e-04	3.04e-04
3210	164	-3.55	-7.15	-0.76	0.0	-8.85e-04	-2.96e-04
3210	180	-7.12	-3.79	-0.63	0.0	-1.74e-03	-2.72e-04
3210	193	3.42	7.58	-0.21	0.0	8.08e-04	3.09e-04
3210	196	-3.55	-7.43	-0.77	0.0	-8.86e-04	-3.01e-04
3210	212	-8.31	-4.58	-0.66	0.0	-2.03e-03	-3.22e-04
3210	225	4.04	9.12	-0.15	0.0	9.60e-04	3.69e-04
3210	228	-4.17	-8.96	-0.82	0.0	-1.04e-03	-3.61e-04
3210	264	-1.01	0.14	-0.53	0.0	-5.93e-04	2.69e-04
3210	276	-0.07	0.48	-0.51	0.0	-3.98e-05	5.05e-06
3210	280	-0.09	-0.01	-0.63	0.0	-5.01e-05	5.35e-06
3210	298	-0.07	0.08	-0.52	0.0	-4.10e-05	4.41e-06
3210	305	-0.26	0.09	-0.49	0.0	-1.49e-04	5.71e-05
3210	307	-0.07	0.16	-0.48	0.0	-3.82e-05	4.22e-06
3210	310	-0.07	0.08	-0.49	0.0	-3.88e-05	4.14e-06
3211	44	-0.64	0.22	-0.09	4.59e-05	31.76	3.75e-06
3211	68	-0.05	0.68	-0.11	9.64e-05	31.76	-6.65e-06
3211	123	-4.72	1.93	-0.09	1.56e-04	24.43	2.69e-05
3211	129	0.40	5.79	-0.22	5.51e-04	24.43	1.76e-04
3211	155	-5.30	2.17	-0.09	1.73e-04	24.43	3.10e-05
3211	161	0.45	6.55	-0.24	6.21e-04	24.43	1.99e-04
3211	187	-5.22	2.23	-0.09	1.80e-04	24.43	3.35e-05
3211	193	0.45	6.79	-0.25	6.44e-04	24.43	2.02e-04
3211	219	-6.06	2.66	-0.10	2.12e-04	24.43	4.15e-05
3211	225	0.53	8.17	-0.29	7.71e-04	24.43	2.42e-04
3211	264	-0.43	0.15	-0.06	3.13e-05	24.43	2.33e-06
3211	276	-0.03	0.46	-0.08	6.49e-05	24.43	-4.60e-06
3211	305	-0.11	0.10	-0.06	2.41e-05	24.43	-1.86e-06
3211	307	-0.03	0.16	-0.07	3.08e-05	24.43	-3.24e-06
3211	310	-0.03	0.09	-0.06	2.33e-05	24.43	-3.03e-06
3212	44	-1.10	0.25	-0.09	0.0	-8.55e-04	2.76e-04
3212	52	-0.11	0.54	-0.11	0.0	-9.34e-05	-3.64e-06
3212	68	-0.09	0.74	-0.11	0.0	-7.97e-05	-4.25e-06
3212	123	-5.51	2.08	-0.09	0.0	-1.48e-03	1.01e-04
3212	129	0.43	6.25	-0.24	0.0	5.88e-05	1.97e-04
3212	155	-6.19	2.34	-0.10	0.0	-1.66e-03	1.14e-04
3212	161	0.49	7.07	-0.26	0.0	7.26e-05	2.22e-04
3212	187	-6.09	2.41	-0.10	0.0	-1.63e-03	1.13e-04
3212	193	0.49	7.33	-0.27	0.0	7.32e-05	2.24e-04
3212	219	-7.06	2.87	-0.11	0.0	-1.88e-03	1.34e-04
3212	225	0.59	8.81	-0.31	0.0	9.51e-05	2.68e-04
3212	264	-0.73	0.17	-0.07	0.0	-5.73e-04	1.84e-04
3212	268	-0.08	0.37	-0.08	0.0	-6.50e-05	-2.53e-06
3212	276	-0.06	0.50	-0.08	0.0	-5.58e-05	-2.93e-06
3212	305	-0.19	0.12	-0.07	0.0	-1.54e-04	3.57e-05
3212	307	-0.06	0.18	-0.07	0.0	-5.10e-05	-1.64e-06
3212	310	-0.06	0.11	-0.07	0.0	-5.12e-05	-1.40e-06
3213	44	-0.64	0.22	-0.05	6.18e-05	31.76	4.02e-06
3213	68	-0.04	0.68	-0.05	1.13e-04	31.76	-6.84e-06
3213	92	-0.05	-0.13	-0.07	2.76e-05	31.76	-4.32e-06
3213	123	-4.73	1.92	0.02	1.68e-04	24.43	2.65e-05
3213	129	0.35	5.79	0.10	5.63e-04	24.43	1.76e-04
3213	132	-0.42	-5.62	-0.19	-4.92e-04	24.43	-1.82e-04
3213	155	-5.31	2.17	0.03	1.86e-04	24.43	3.06e-05
3213	161	0.40	6.55	0.12	6.33e-04	24.43	1.99e-04
3213	164	-0.46	-6.37	-0.21	-5.62e-04	24.43	-2.05e-04
3213	187	-5.22	2.23	0.03	1.92e-04	24.43	3.31e-05
3213	193	0.40	6.79	0.13	6.56e-04	24.43	2.02e-04
3213	196	-0.46	-6.62	-0.22	-5.85e-04	24.43	-2.08e-04
3213	219	-6.06	2.66	0.04	2.24e-04	24.43	4.11e-05
3213	225	0.47	8.17	0.17	7.83e-04	24.43	2.41e-04
3213	228	-0.54	-7.99	-0.26	-7.12e-04	24.43	-2.47e-04
3213	264	-0.43	0.15	-0.04	4.34e-05	24.43	2.51e-06
3213	276	-0.03	0.46	-0.04	7.74e-05	24.43	-4.74e-06
3213	288	-0.04	-0.08	-0.05	2.06e-05	24.43	-3.06e-06
3213	303	7.35e-03	0.08	-0.05	3.51e-05	24.43	-3.73e-06
3213	305	-0.11	0.10	-0.04	3.62e-05	24.43	-1.89e-06
3213	307	-0.03	0.16	-0.04	4.30e-05	24.43	-3.34e-06
3213	310	-0.03	0.09	-0.05	3.54e-05	24.43	-3.12e-06
3214	44	-1.26	0.25	-0.06	0.0	-1.17e-03	2.72e-04

3214	68	-0.09	0.74	-0.05	0.0	-8.24e-05	-5.00e-06
3214	92	-0.10	-0.11	-0.07	0.0	-8.54e-05	-2.17e-06
3214	123	-5.54	2.08	0.02	0.0	-1.53e-03	7.22e-05
3214	129	0.38	6.25	0.11	0.0	4.44e-05	1.97e-04
3214	132	-0.50	-6.04	-0.21	0.0	-1.50e-04	-2.01e-04
3214	155	-6.22	2.34	0.03	0.0	-1.71e-03	8.16e-05
3214	161	0.43	7.07	0.14	0.0	5.67e-05	2.23e-04
3214	164	-0.55	-6.85	-0.23	0.0	-1.63e-04	-2.27e-04
3214	187	-6.12	2.41	0.03	0.0	-1.69e-03	8.17e-05
3214	193	0.43	7.33	0.14	0.0	5.80e-05	2.25e-04
3214	196	-0.55	-7.12	-0.24	0.0	-1.64e-04	-2.29e-04
3214	219	-7.10	2.88	0.04	0.0	-1.95e-03	9.72e-05
3214	225	0.51	8.81	0.18	0.0	7.75e-05	2.69e-04
3214	228	-0.64	-8.60	-0.28	0.0	-1.84e-04	-2.73e-04
3214	264	-0.85	0.17	-0.04	0.0	-7.80e-04	1.81e-04
3214	276	-0.06	0.50	-0.04	0.0	-5.77e-05	-3.45e-06
3214	288	-0.07	-0.07	-0.05	0.0	-5.97e-05	-1.56e-06
3214	303	0.02	0.10	-0.05	0.0	1.90e-05	-2.02e-05
3214	305	-0.22	0.12	-0.05	0.0	-1.97e-04	3.49e-05
3214	307	-0.06	0.18	-0.05	0.0	-5.28e-05	-2.07e-06
3214	310	-0.06	0.11	-0.05	0.0	-5.30e-05	-1.82e-06
3215	44	-1.55	0.27	-0.09	0.0	-8.56e-04	4.67e-04
3215	52	-0.16	0.57	-0.11	0.0	-9.34e-05	-1.09e-06
3215	68	-0.13	0.77	-0.11	0.0	-7.97e-05	-2.15e-06
3215	123	-6.30	2.19	-0.09	0.0	-1.47e-03	1.60e-04
3215	129	0.46	6.56	-0.24	0.0	5.86e-05	2.17e-04
3215	155	-7.07	2.46	-0.10	0.0	-1.65e-03	1.80e-04
3215	161	0.53	7.42	-0.26	0.0	7.24e-05	2.45e-04
3215	187	-6.95	2.54	-0.10	0.0	-1.62e-03	1.78e-04
3215	193	0.53	7.70	-0.27	0.0	7.30e-05	2.46e-04
3215	219	-8.07	3.02	-0.11	0.0	-1.88e-03	2.09e-04
3215	225	0.64	9.25	-0.31	0.0	9.48e-05	2.94e-04
3215	264	-1.04	0.19	-0.07	0.0	-5.74e-04	3.11e-04
3215	268	-0.11	0.39	-0.08	0.0	-6.50e-05	0.0
3215	276	-0.09	0.52	-0.08	0.0	-5.59e-05	-1.46e-06
3215	305	-0.28	0.13	-0.07	0.0	-1.55e-04	6.23e-05
3215	307	-0.09	0.19	-0.07	0.0	-5.10e-05	0.0
3215	310	-0.09	0.12	-0.07	0.0	-5.13e-05	0.0
3216	44	-1.89	0.27	-0.06	0.0	-1.17e-03	4.21e-04
3216	68	-0.13	0.78	-0.05	0.0	-8.25e-05	-4.50e-06
3216	92	-0.15	-0.10	-0.07	0.0	-8.55e-05	-1.36e-06
3216	123	-6.36	2.19	0.02	0.0	-1.53e-03	8.75e-05
3216	129	0.40	6.56	0.11	0.0	4.41e-05	2.17e-04
3216	132	-0.58	-6.33	-0.21	0.0	-1.50e-04	-2.20e-04
3216	155	-7.14	2.46	0.03	0.0	-1.71e-03	9.87e-05
3216	161	0.46	7.42	0.13	0.0	5.63e-05	2.45e-04
3216	164	-0.64	-7.18	-0.23	0.0	-1.63e-04	-2.48e-04
3216	187	-7.02	2.53	0.03	0.0	-1.68e-03	9.88e-05
3216	193	0.46	7.70	0.14	0.0	5.76e-05	2.47e-04
3216	196	-0.64	-7.46	-0.24	0.0	-1.64e-04	-2.50e-04
3216	219	-8.15	3.02	0.04	0.0	-1.95e-03	1.17e-04
3216	225	0.56	9.25	0.18	0.0	7.71e-05	2.95e-04
3216	228	-0.73	-9.02	-0.27	0.0	-1.83e-04	-2.98e-04
3216	264	-1.26	0.19	-0.04	0.0	-7.80e-04	2.80e-04
3216	276	-0.09	0.52	-0.04	0.0	-5.78e-05	-3.10e-06
3216	288	-0.10	-0.06	-0.05	0.0	-5.98e-05	-1.01e-06
3216	303	0.03	0.11	-0.05	0.0	1.90e-05	-2.96e-05
3216	305	-0.32	0.13	-0.05	0.0	-1.97e-04	5.51e-05
3216	307	-0.09	0.20	-0.05	0.0	-5.28e-05	-1.63e-06
3216	310	-0.09	0.12	-0.05	0.0	-5.31e-05	-1.35e-06
3217	44	-2.09	1.78	-0.43	0.0	1.57e-04	5.54e-04
3217	52	-0.72	2.69	-0.54	0.0	-1.60e-04	5.42e-05
3217	68	-0.61	2.94	-0.51	0.0	-1.39e-04	4.68e-05
3217	123	-10.70	4.63	-0.22	0.0	-1.75e-04	3.83e-04
3217	129	0.65	15.52	-0.81	0.0	-7.76e-05	4.17e-04
3217	155	-11.98	5.12	-0.21	0.0	-1.86e-04	4.27e-04
3217	161	0.78	17.46	-0.88	0.0	-7.66e-05	4.67e-04
3217	187	-11.79	5.29	-0.22	0.0	-1.85e-04	4.23e-04
3217	193	0.77	18.09	-0.90	0.0	-7.68e-05	4.70e-04
3217	219	-13.64	6.19	-0.22	0.0	-2.01e-04	4.91e-04
3217	225	0.97	21.60	-1.02	0.0	-7.61e-05	5.55e-04
3217	264	-1.42	1.23	-0.31	0.0	9.97e-05	3.71e-04
3217	268	-0.50	1.85	-0.39	0.0	-1.11e-04	3.77e-05
3217	276	-0.43	2.01	-0.37	0.0	-9.72e-05	3.28e-05
3217	298	-0.41	1.06	-0.31	0.0	-9.04e-05	3.01e-05

3217	305	-0.59	1.02	-0.30	0.0	-4.63e-05	9.61e-05
3217	307	-0.39	1.18	-0.31	0.0	-8.57e-05	2.84e-05
3217	310	-0.39	1.00	-0.30	0.0	-8.58e-05	2.85e-05
3218	44	-0.09	-0.07	-0.03	0.0	-1.82e-04	6.97e-06
3218	76	-0.02	-0.11	-0.04	0.0	-2.80e-05	-1.11e-05
3218	92	-0.01	-0.11	-0.04	0.0	-2.34e-05	-8.45e-06
3218	123	-0.66	0.15	0.02	0.0	-1.34e-03	9.33e-05
3218	140	-0.09	-0.76	-0.19	0.0	-1.83e-04	2.57e-05
3218	155	-0.74	0.18	0.02	0.0	-1.51e-03	1.06e-04
3218	172	-0.10	-0.85	-0.21	0.0	-2.04e-04	2.96e-05
3218	187	-0.73	0.19	0.02	0.0	-1.48e-03	1.04e-04
3218	204	-0.10	-0.87	-0.21	0.0	-2.03e-04	2.87e-05
3218	219	-0.84	0.23	0.03	0.0	-1.72e-03	1.21e-04
3218	236	-0.12	-1.03	-0.25	0.0	-2.35e-04	3.46e-05
3218	264	-0.06	-0.05	-0.02	0.0	-1.22e-04	4.43e-06
3218	280	-0.01	-0.08	-0.03	0.0	-1.93e-05	-7.59e-06
3218	288	-9.30e-03	-0.08	-0.03	0.0	-1.62e-05	-5.85e-06
3218	298	-9.29e-03	-0.05	-0.02	0.0	-1.59e-05	-6.53e-06
3218	305	-0.02	-0.05	-0.02	0.0	-3.59e-05	-3.83e-06
3218	310	-8.68e-03	-0.05	-0.02	0.0	-1.49e-05	-6.06e-06
3219	1	0.0	0.0	0.0	0.0	3.42e-05	-1.78e-06
3219	113	0.0	0.0	0.0	0.0	9.39e-04	-5.77e-06
3219	145	0.0	0.0	0.0	0.0	1.06e-03	-6.34e-06
3219	177	0.0	0.0	0.0	0.0	1.04e-03	-6.21e-06
3219	209	0.0	0.0	0.0	0.0	1.21e-03	-7.03e-06
3219	241	0.0	0.0	0.0	0.0	2.21e-05	-1.23e-06
3219	297	0.0	0.0	0.0	0.0	-9.08e-06	0.0
3219	309	0.0	0.0	0.0	0.0	-9.08e-06	0.0
3220	44	-0.18	-0.12	-0.06	0.0	-1.84e-04	1.22e-05
3220	92	-0.03	-0.21	-0.07	0.0	-2.12e-05	-1.52e-05
3220	123	-1.33	0.34	0.03	0.0	-1.36e-03	1.68e-04
3220	140	-0.18	-1.58	-0.33	0.0	-1.86e-04	4.45e-05
3220	155	-1.49	0.39	0.04	0.0	-1.53e-03	1.91e-04
3220	172	-0.20	-1.77	-0.37	0.0	-2.07e-04	5.13e-05
3220	187	-1.47	0.41	0.04	0.0	-1.50e-03	1.87e-04
3220	204	-0.20	-1.81	-0.38	0.0	-2.06e-04	4.94e-05
3220	219	-1.70	0.51	0.06	0.0	-1.75e-03	2.19e-04
3220	236	-0.23	-2.14	-0.44	0.0	-2.39e-04	5.94e-05
3220	264	-0.12	-0.09	-0.04	0.0	-1.23e-04	7.76e-06
3220	288	-0.02	-0.14	-0.05	0.0	-1.47e-05	-1.05e-05
3220	298	-0.02	-0.09	-0.04	0.0	-1.41e-05	-1.17e-05
3220	305	-0.04	-0.08	-0.04	0.0	-3.50e-05	-6.91e-06
3220	310	-0.02	-0.08	-0.04	0.0	-1.32e-05	-1.09e-05
3221	44	-0.27	-0.15	-0.08	0.0	-1.87e-04	1.50e-05
3221	76	-0.04	-0.27	-0.10	0.0	-2.04e-05	-2.50e-05
3221	92	-0.04	-0.28	-0.10	0.0	-1.76e-05	-1.92e-05
3221	123	-2.01	0.56	0.04	0.0	-1.39e-03	2.00e-04
3221	140	-0.28	-2.44	-0.44	0.0	-1.89e-04	4.81e-05
3221	155	-2.26	0.65	0.05	0.0	-1.56e-03	2.27e-04
3221	172	-0.31	-2.75	-0.49	0.0	-2.11e-04	5.55e-05
3221	187	-2.22	0.67	0.05	0.0	-1.53e-03	2.22e-04
3221	204	-0.31	-2.81	-0.50	0.0	-2.09e-04	5.24e-05
3221	219	-2.58	0.83	0.07	0.0	-1.78e-03	2.61e-04
3221	236	-0.35	-3.32	-0.59	0.0	-2.43e-04	6.31e-05
3221	264	-0.18	-0.10	-0.05	0.0	-1.25e-04	9.53e-06
3221	280	-0.03	-0.18	-0.07	0.0	-1.41e-05	-1.72e-05
3221	288	-0.03	-0.19	-0.07	0.0	-1.22e-05	-1.33e-05
3221	298	-0.02	-0.11	-0.05	0.0	-1.14e-05	-1.48e-05
3221	305	-0.05	-0.10	-0.05	0.0	-3.34e-05	-8.77e-06
3221	310	-0.02	-0.10	-0.05	0.0	-1.07e-05	-1.37e-05
3222	44	-0.46	-0.01	-0.15	0.0	-2.00e-04	4.68e-06
3222	52	-0.04	0.25	-0.17	0.0	-1.55e-05	9.54e-06
3222	69	-9.91e-03	0.47	-0.09	0.0	-3.45e-06	3.24e-06
3222	123	-3.51	1.25	-0.19	0.0	-1.35e-03	-3.12e-05
3222	139	-1.23	3.71	-0.26	0.0	-4.76e-04	1.74e-05
3222	140	-0.51	-4.39	0.03	0.0	-1.98e-04	-1.07e-04
3222	155	-3.94	1.42	-0.20	0.0	-1.52e-03	-3.54e-05
3222	171	-1.37	4.20	-0.28	0.0	-5.33e-04	1.95e-05
3222	172	-0.56	-4.97	0.04	0.0	-2.21e-04	-1.21e-04
3222	187	-3.88	1.46	-0.20	0.0	-1.49e-03	-3.27e-05
3222	203	-1.35	4.32	-0.28	0.0	-5.23e-04	2.14e-05
3222	204	-0.56	-5.09	0.05	0.0	-2.18e-04	-1.22e-04
3222	219	-4.50	1.76	-0.22	0.0	-1.73e-03	-3.70e-05
3222	235	-1.56	5.14	-0.32	0.0	-6.07e-04	2.56e-05
3222	236	-0.65	-6.05	0.08	0.0	-2.54e-04	-1.44e-04

3222	264	-0.31	-8.44e-03	-0.11	0.0	-1.34e-04	3.22e-06
3222	268	-0.03	0.16	-0.12	0.0	-1.08e-05	6.46e-06
3222	273	-0.01	0.30	-0.09	0.0	-4.63e-06	2.95e-06
3222	298	-0.03	-0.02	-0.10	0.0	-9.75e-06	4.74e-06
3222	305	-0.08	-0.02	-0.10	0.0	-3.40e-05	4.06e-06
3222	306	-0.02	0.05	-0.08	0.0	-5.71e-06	2.12e-06
3222	310	-0.03	-0.02	-0.09	0.0	-9.21e-06	4.34e-06
3223	44	-0.55	0.03	-0.16	0.0	-2.01e-04	5.05e-06
3223	52	-0.05	0.32	-0.17	0.0	-1.56e-05	3.50e-06
3223	68	-0.04	0.52	-0.16	0.0	-1.23e-05	2.73e-06
3223	123	-4.12	1.38	-0.19	0.0	-1.35e-03	-2.78e-06
3223	137	0.54	4.77	-0.21	0.0	1.79e-04	1.07e-04
3223	139	-1.44	4.07	-0.26	0.0	-4.75e-04	1.31e-05
3223	155	-4.63	1.56	-0.20	0.0	-1.52e-03	-3.03e-06
3223	169	0.61	5.39	-0.23	0.0	2.02e-04	1.20e-04
3223	171	-1.61	4.61	-0.28	0.0	-5.33e-04	1.49e-05
3223	187	-4.55	1.61	-0.20	0.0	-1.49e-03	0.0
3223	201	0.60	5.53	-0.23	0.0	2.00e-04	1.20e-04
3223	203	-1.58	4.73	-0.28	0.0	-5.22e-04	1.60e-05
3223	219	-5.28	1.94	-0.22	0.0	-1.73e-03	0.0
3223	233	0.70	6.57	-0.26	0.0	2.35e-04	1.41e-04
3223	235	-1.84	5.63	-0.31	0.0	-6.07e-04	1.94e-05
3223	264	-0.37	0.02	-0.11	0.0	-1.34e-04	3.37e-06
3223	268	-0.04	0.21	-0.12	0.0	-1.08e-05	2.34e-06
3223	276	-0.03	0.35	-0.12	0.0	-8.68e-06	1.82e-06
3223	298	-0.03	3.97e-03	-0.10	0.0	-9.78e-06	1.80e-06
3223	305	-0.10	6.92e-03	-0.10	0.0	-3.41e-05	1.96e-06
3223	307	-0.03	0.07	-0.10	0.0	-8.97e-06	1.65e-06
3223	310	-0.03	3.57e-03	-0.10	0.0	-9.24e-06	1.60e-06
3224	44	-0.46	-0.02	-0.16	0.0	-2.00e-04	5.08e-06
3224	69	-0.01	0.46	-0.06	0.0	0.0	3.26e-06
3224	76	-0.05	-0.20	-0.17	0.0	-9.69e-06	8.14e-06
3224	123	-3.48	1.24	-0.09	0.0	-1.39e-03	-4.07e-05
3224	140	-0.49	-4.39	-0.29	0.0	-1.94e-04	-1.09e-04
3224	155	-3.91	1.40	-0.09	0.0	-1.56e-03	-4.60e-05
3224	172	-0.55	-4.96	-0.31	0.0	-2.17e-04	-1.23e-04
3224	187	-3.84	1.45	-0.09	0.0	-1.54e-03	-4.30e-05
3224	204	-0.54	-5.09	-0.32	0.0	-2.14e-04	-1.24e-04
3224	219	-4.46	1.74	-0.08	0.0	-1.79e-03	-4.89e-05
3224	236	-0.63	-6.04	-0.36	0.0	-2.49e-04	-1.47e-04
3224	264	-0.31	-0.02	-0.11	0.0	-1.33e-04	3.49e-06
3224	273	-0.01	0.30	-0.07	0.0	-1.02e-06	2.96e-06
3224	280	-0.04	-0.13	-0.12	0.0	-6.75e-06	5.53e-06
3224	298	-0.03	-0.03	-0.10	0.0	-5.20e-06	4.75e-06
3224	305	-0.08	-0.03	-0.10	0.0	-3.06e-05	4.12e-06
3224	308	-0.02	-0.05	-0.08	0.0	-3.89e-06	1.81e-06
3224	310	-0.03	-0.03	-0.10	0.0	-4.97e-06	4.34e-06
3225	44	-0.55	0.03	-0.16	0.0	-2.00e-04	4.60e-06
3225	72	-0.03	0.52	-0.11	0.0	-1.91e-06	2.44e-06
3225	76	-0.06	-0.15	-0.18	0.0	-9.64e-06	3.19e-06
3225	123	-4.10	1.38	-0.10	0.0	-1.39e-03	-7.02e-06
3225	140	-0.58	-4.76	-0.29	0.0	-1.93e-04	-1.04e-04
3225	155	-4.61	1.56	-0.09	0.0	-1.56e-03	-7.79e-06
3225	172	-0.64	-5.38	-0.31	0.0	-2.16e-04	-1.18e-04
3225	187	-4.53	1.61	-0.09	0.0	-1.54e-03	-5.38e-06
3225	204	-0.64	-5.52	-0.32	0.0	-2.14e-04	-1.17e-04
3225	219	-5.26	1.93	-0.09	0.0	-1.79e-03	-4.72e-06
3225	236	-0.74	-6.56	-0.36	0.0	-2.49e-04	-1.39e-04
3225	264	-0.37	0.02	-0.12	0.0	-1.33e-04	3.07e-06
3225	276	-0.03	0.34	-0.10	0.0	-2.66e-06	1.80e-06
3225	280	-0.04	-0.10	-0.13	0.0	-6.72e-06	2.12e-06
3225	298	-0.03	-1.89e-04	-0.11	0.0	-5.17e-06	1.79e-06
3225	305	-0.10	3.01e-03	-0.10	0.0	-3.06e-05	1.89e-06
3225	307	-0.03	0.07	-0.10	0.0	-4.43e-06	1.64e-06
3225	309	-0.02	-8.62e-04	-0.08	0.0	-3.61e-06	0.0
3225	310	-0.03	-2.85e-04	-0.10	0.0	-4.95e-06	1.59e-06
3226	44	-0.64	0.11	-0.15	0.0	-2.01e-04	3.80e-06
3226	52	-0.06	0.44	-0.17	0.0	-1.60e-05	-4.17e-06
3226	68	-0.05	0.64	-0.16	0.0	-1.28e-05	-4.39e-06
3226	123	-4.73	1.56	-0.19	0.0	-1.35e-03	2.51e-05
3226	137	0.62	5.32	-0.21	0.0	1.79e-04	-1.12e-05
3226	139	-1.65	4.55	-0.26	0.0	-4.75e-04	-9.98e-05
3226	155	-5.31	1.76	-0.20	0.0	-1.52e-03	2.88e-05
3226	169	0.70	6.01	-0.23	0.0	2.02e-04	-1.25e-05
3226	171	-1.85	5.15	-0.28	0.0	-5.33e-04	-1.12e-04

3226	187	-5.22	1.81	-0.20	0.0	-1.49e-03	3.13e-05
3226	201	0.69	6.16	-0.23	0.0	1.99e-04	-1.25e-05
3226	203	-1.82	5.29	-0.28	0.0	-5.22e-04	-1.10e-04
3226	219	-6.06	2.17	-0.22	0.0	-1.73e-03	3.86e-05
3226	233	0.81	7.31	-0.26	0.0	2.35e-04	-1.47e-05
3226	235	-2.11	6.28	-0.32	0.0	-6.07e-04	-1.29e-04
3226	264	-0.43	0.07	-0.11	0.0	-1.34e-04	2.40e-06
3226	268	-0.04	0.29	-0.12	0.0	-1.11e-05	-2.91e-06
3226	276	-0.03	0.43	-0.12	0.0	-8.97e-06	-3.06e-06
3226	298	-0.04	0.05	-0.10	0.0	-1.00e-05	-1.94e-06
3226	305	-0.11	0.05	-0.10	0.0	-3.43e-05	0.0
3226	307	-0.03	0.13	-0.10	0.0	-9.19e-06	-2.05e-06
3226	310	-0.03	0.05	-0.10	0.0	-9.45e-06	-1.89e-06
3227	44	-0.64	0.11	-0.16	0.0	-2.00e-04	3.83e-06
3227	68	-0.04	0.64	-0.14	0.0	-3.17e-06	-4.41e-06
3227	76	-0.06	-0.07	-0.18	0.0	-9.29e-06	-3.09e-06
3227	123	-4.73	1.56	-0.09	0.0	-1.39e-03	2.61e-05
3227	137	0.60	5.32	0.08	0.0	1.84e-04	-1.15e-05
3227	140	-0.66	-5.21	-0.29	0.0	-1.93e-04	7.69e-06
3227	155	-5.31	1.76	-0.09	0.0	-1.56e-03	2.99e-05
3227	169	0.68	6.01	0.11	0.0	2.07e-04	-1.28e-05
3227	172	-0.74	-5.90	-0.31	0.0	-2.16e-04	9.05e-06
3227	187	-5.22	1.81	-0.09	0.0	-1.53e-03	3.24e-05
3227	201	0.67	6.16	0.11	0.0	2.04e-04	-1.28e-05
3227	204	-0.73	-6.05	-0.32	0.0	-2.13e-04	8.99e-06
3227	219	-6.06	2.17	-0.09	0.0	-1.78e-03	4.00e-05
3227	233	0.79	7.31	0.15	0.0	2.39e-04	-1.50e-05
3227	236	-0.85	-7.21	-0.36	0.0	-2.48e-04	1.12e-05
3227	264	-0.43	0.07	-0.12	0.0	-1.33e-04	2.42e-06
3227	276	-0.03	0.43	-0.10	0.0	-2.40e-06	-3.07e-06
3227	280	-0.04	-0.04	-0.13	0.0	-6.48e-06	-2.19e-06
3227	298	-0.03	0.05	-0.11	0.0	-4.96e-06	-1.95e-06
3227	305	-0.11	0.05	-0.10	0.0	-3.04e-05	0.0
3227	307	-0.03	0.13	-0.10	0.0	-4.22e-06	-2.05e-06
3227	310	-0.03	0.05	-0.10	0.0	-4.76e-06	-1.89e-06
3228	28	-0.30	0.08	-1.02	-1.17e-04	0.0	9.36e-05
3228	45	-0.57	0.05	-0.37	-4.00e-05	0.0	3.06e-05
3228	68	0.06	0.52	-0.85	-2.76e-04	0.0	6.36e-05
3228	122	4.46	-1.34	-0.09	3.57e-04	0.0	7.34e-05
3228	123	-4.40	1.41	-0.98	-4.73e-04	0.0	2.20e-05
3228	137	1.42	4.60	-0.55	-1.80e-03	0.0	6.59e-06
3228	154	5.01	-1.53	-0.04	4.13e-04	0.0	7.63e-05
3228	155	-4.95	1.59	-1.04	-5.28e-04	0.0	1.91e-05
3228	169	1.59	5.20	-0.55	-2.03e-03	0.0	1.16e-06
3228	186	4.93	-1.58	-0.04	4.32e-04	0.0	7.39e-05
3228	187	-4.87	1.64	-1.03	-5.47e-04	0.0	2.16e-05
3228	201	1.54	5.33	-0.56	-2.08e-03	0.0	0.0
3228	218	5.73	-1.90	0.04	5.34e-04	0.0	7.79e-05
3228	219	-5.67	1.96	-1.11	-6.49e-04	0.0	1.75e-05
3228	233	1.79	6.34	-0.56	-2.47e-03	0.0	-8.57e-06
3228	256	-0.20	0.06	-0.71	-8.01e-05	0.0	6.44e-05
3228	261	-0.37	0.04	-0.38	-3.95e-05	0.0	3.09e-05
3228	276	0.04	0.35	-0.59	-1.86e-04	0.0	4.44e-05
3228	298	0.03	0.03	-0.57	-6.19e-05	0.0	5.12e-05
3228	303	0.07	0.03	-0.53	-5.70e-05	0.0	4.73e-05
3228	307	0.03	0.09	-0.54	-8.22e-05	0.0	4.63e-05
3228	310	0.03	0.03	-0.54	-5.77e-05	0.0	4.77e-05
3229	28	-0.29	0.04	-1.24	-2.05e-04	0.0	9.84e-05
3229	45	-0.57	0.04	-0.43	-6.38e-05	0.0	3.19e-05
3229	68	0.07	0.49	-1.05	-3.40e-04	0.0	6.77e-05
3229	122	4.47	-1.36	-0.20	2.77e-04	0.0	7.66e-05
3229	123	-4.41	1.38	-1.11	-4.85e-04	0.0	2.38e-05
3229	137	1.42	4.61	-0.79	-1.73e-03	0.0	1.91e-05
3229	154	5.02	-1.54	-0.14	3.28e-04	0.0	7.97e-05
3229	155	-4.96	1.56	-1.16	-5.36e-04	0.0	2.07e-05
3229	169	1.59	5.22	-0.81	-1.94e-03	0.0	1.50e-05
3229	186	4.94	-1.59	-0.15	3.46e-04	0.0	7.75e-05
3229	187	-4.88	1.61	-1.16	-5.55e-04	0.0	2.29e-05
3229	201	1.55	5.35	-0.81	-1.99e-03	0.0	1.48e-05
3229	218	5.74	-1.92	-0.06	4.39e-04	0.0	8.18e-05
3229	219	-5.68	1.94	-1.25	-6.48e-04	0.0	1.86e-05
3229	233	1.79	6.37	-0.84	-2.35e-03	0.0	8.08e-06
3229	256	-0.19	0.03	-0.86	-1.41e-04	0.0	6.77e-05
3229	261	-0.37	0.03	-0.45	-6.58e-05	0.0	3.24e-05
3229	276	0.05	0.33	-0.73	-2.31e-04	0.0	4.72e-05

3229	298	0.03	0.01	-0.70	-1.12e-04	0.0	5.38e-05
3229	303	0.07	7.23e-03	-0.65	-1.04e-04	0.0	4.98e-05
3229	307	0.03	0.07	-0.66	-1.28e-04	0.0	4.88e-05
3229	310	0.03	9.42e-03	-0.65	-1.04e-04	0.0	5.02e-05
3230	28	-0.29	-5.10e-03	-1.35	-2.98e-04	0.0	1.12e-04
3230	45	-0.57	0.02	-0.46	-8.91e-05	0.0	3.57e-05
3230	70	0.04	0.48	-0.49	-2.49e-04	0.0	1.94e-05
3230	122	4.48	-1.38	-0.28	2.89e-04	0.0	8.60e-05
3230	135	-2.08	4.04	-1.18	-1.49e-03	0.0	-6.63e-06
3230	140	-1.36	-4.64	-0.44	1.37e-03	0.0	7.88e-05
3230	154	5.04	-1.56	-0.22	3.48e-04	0.0	8.94e-05
3230	167	-2.34	4.58	-1.24	-1.67e-03	0.0	-1.43e-05
3230	172	-1.53	-5.25	-0.41	1.57e-03	0.0	8.16e-05
3230	186	4.95	-1.61	-0.22	3.66e-04	0.0	8.76e-05
3230	199	-2.30	4.75	-1.25	-1.73e-03	0.0	-1.15e-05
3230	204	-1.49	-5.39	-0.40	1.62e-03	0.0	8.14e-05
3230	218	5.75	-1.93	-0.14	4.71e-04	0.0	9.25e-05
3230	231	-2.69	5.72	-1.35	-2.05e-03	0.0	-2.36e-05
3230	236	-1.73	-6.41	-0.33	1.95e-03	0.0	8.57e-05
3230	256	-0.19	-4.02e-03	-0.94	-2.05e-04	0.0	7.72e-05
3230	261	-0.37	0.01	-0.48	-9.36e-05	0.0	3.65e-05
3230	274	0.03	0.32	-0.50	-2.00e-04	0.0	2.57e-05
3230	298	0.03	-0.01	-0.76	-1.65e-04	0.0	6.17e-05
3230	303	0.07	-0.02	-0.71	-1.53e-04	0.0	5.71e-05
3230	306	0.02	0.06	-0.45	-1.09e-04	0.0	3.10e-05
3230	310	0.03	-0.01	-0.72	-1.54e-04	0.0	5.75e-05
3231	45	-0.57	7.07e-03	-0.47	-1.14e-04	0.0	4.53e-05
3231	52	0.08	0.22	-1.40	-4.78e-04	0.0	1.36e-04
3231	70	0.04	0.47	-0.52	-2.66e-04	0.0	2.81e-05
3231	122	4.50	-1.40	-0.33	2.17e-04	0.0	1.08e-04
3231	139	-0.44	3.96	-1.33	-1.44e-03	0.0	-7.83e-06
3231	140	-1.36	-4.69	-0.31	1.23e-03	0.0	9.29e-05
3231	154	5.05	-1.57	-0.28	2.72e-04	0.0	1.12e-04
3231	171	-0.50	4.48	-1.41	-1.60e-03	0.0	-1.81e-05
3231	172	-1.53	-5.30	-0.25	1.42e-03	0.0	9.51e-05
3231	186	4.97	-1.62	-0.28	2.88e-04	0.0	1.10e-04
3231	203	-0.50	4.61	-1.42	-1.64e-03	0.0	-1.57e-05
3231	204	-1.49	-5.44	-0.24	1.46e-03	0.0	9.44e-05
3231	218	5.77	-1.94	-0.19	3.87e-04	0.0	1.16e-04
3231	235	-0.59	5.49	-1.55	-1.91e-03	0.0	-3.10e-05
3231	236	-1.73	-6.46	-0.14	1.78e-03	0.0	9.76e-05
3231	261	-0.37	-3.78e-03	-0.49	-1.21e-04	0.0	4.69e-05
3231	268	0.06	0.15	-0.97	-3.27e-04	0.0	9.39e-05
3231	274	0.04	0.30	-0.52	-2.22e-04	0.0	3.55e-05
3231	298	0.04	-0.04	-0.79	-2.17e-04	0.0	8.14e-05
3231	303	0.08	-0.04	-0.74	-2.02e-04	0.0	7.54e-05
3231	308	0.02	-0.05	-0.46	-1.04e-04	0.0	4.35e-05
3231	310	0.04	-0.04	-0.74	-2.03e-04	0.0	7.58e-05
3232	45	-0.57	-0.01	-0.47	-1.30e-04	0.0	6.73e-05
3232	52	0.09	0.16	-1.44	-5.32e-04	0.0	2.14e-04
3232	70	0.05	0.46	-0.54	-2.75e-04	0.0	4.78e-05
3232	122	4.52	-1.42	-0.35	1.66e-04	0.0	1.18e-04
3232	139	-0.43	3.93	-1.49	-1.42e-03	0.0	2.95e-05
3232	140	-1.36	-4.74	-0.18	1.15e-03	0.0	1.43e-04
3232	154	5.07	-1.60	-0.30	2.19e-04	0.0	1.17e-04
3232	171	-0.49	4.46	-1.59	-1.58e-03	0.0	1.86e-05
3232	172	-1.53	-5.36	-0.10	1.33e-03	0.0	1.46e-04
3232	186	4.99	-1.65	-0.29	2.34e-04	0.0	1.17e-04
3232	203	-0.50	4.59	-1.60	-1.61e-03	0.0	2.07e-05
3232	204	-1.49	-5.49	-0.08	1.37e-03	0.0	1.46e-04
3232	218	5.80	-1.96	-0.21	3.29e-04	0.0	1.18e-04
3232	235	-0.59	5.47	-1.76	-1.88e-03	0.0	4.31e-06
3232	236	-1.73	-6.52	0.05	1.67e-03	0.0	1.51e-04
3232	261	-0.37	-0.02	-0.49	-1.38e-04	0.0	7.09e-05
3232	268	0.06	0.11	-1.00	-3.64e-04	0.0	1.48e-04
3232	274	0.04	0.29	-0.54	-2.35e-04	0.0	5.79e-05
3232	298	0.04	-0.08	-0.80	-2.51e-04	0.0	1.27e-04
3232	303	0.08	-0.07	-0.75	-2.33e-04	0.0	1.18e-04
3232	310	0.04	-0.07	-0.75	-2.34e-04	0.0	1.18e-04
3233	45	-0.56	-0.07	-0.46	-1.23e-04	0.0	2.34e-05
3233	52	0.10	-0.06	-1.41	-5.08e-04	0.0	5.69e-05
3233	92	0.05	-0.48	-1.12	-2.71e-04	0.0	6.14e-05
3233	122	4.33	-1.34	-0.32	1.80e-04	0.0	2.93e-05
3233	139	-0.42	3.30	-1.49	-1.41e-03	0.0	-5.66e-05
3233	140	-1.31	-4.22	-0.15	1.16e-03	0.0	6.56e-05

3233	154	4.86	-1.49	-0.27	2.33e-04	0.0	2.87e-05
3233	171	-0.47	3.76	-1.59	-1.56e-03	0.0	-6.79e-05
3233	172	-1.47	-4.75	-0.07	1.34e-03	0.0	6.96e-05
3233	186	4.78	-1.53	-0.27	2.48e-04	0.0	2.85e-05
3233	203	-0.47	3.87	-1.61	-1.60e-03	0.0	-6.60e-05
3233	204	-1.43	-4.87	-0.05	1.38e-03	0.0	6.92e-05
3233	218	5.55	-1.81	-0.18	3.42e-04	0.0	2.72e-05
3233	235	-0.56	4.64	-1.77	-1.86e-03	0.0	-8.33e-05
3233	236	-1.67	-5.76	0.08	1.69e-03	0.0	7.57e-05
3233	261	-0.36	-0.08	-0.48	-1.31e-04	0.0	2.33e-05
3233	268	0.07	-0.05	-0.98	-3.48e-04	0.0	3.94e-05
3233	288	0.03	-0.32	-0.79	-1.90e-04	0.0	4.24e-05
3233	298	0.04	-0.18	-0.78	-2.37e-04	0.0	3.72e-05
3233	303	0.08	-0.17	-0.73	-2.20e-04	0.0	3.43e-05
3233	310	0.04	-0.17	-0.74	-2.21e-04	0.0	3.47e-05
3234	45	-0.55	-0.04	-0.47	-1.15e-04	0.0	4.08e-05
3234	52	0.12	5.29e-03	-1.40	-4.81e-04	0.0	1.19e-04
3234	92	0.07	-0.41	-1.13	-2.41e-04	0.0	1.14e-04
3234	122	4.33	-1.30	-0.33	2.16e-04	0.0	9.35e-05
3234	139	-0.40	3.31	-1.33	-1.44e-03	0.0	-5.15e-05
3234	140	-1.29	-4.14	-0.31	1.23e-03	0.0	1.27e-04
3234	154	4.86	-1.45	-0.28	2.71e-04	0.0	9.64e-05
3234	171	-0.46	3.76	-1.40	-1.60e-03	0.0	-6.67e-05
3234	172	-1.45	-4.66	-0.26	1.42e-03	0.0	1.35e-04
3234	186	4.78	-1.50	-0.28	2.87e-04	0.0	9.41e-05
3234	203	-0.46	3.87	-1.42	-1.64e-03	0.0	-6.70e-05
3234	204	-1.41	-4.78	-0.24	1.46e-03	0.0	1.37e-04
3234	218	5.55	-1.77	-0.19	3.86e-04	0.0	9.81e-05
3234	235	-0.55	4.63	-1.54	-1.91e-03	0.0	-9.10e-05
3234	236	-1.65	-5.66	-0.14	1.78e-03	0.0	1.51e-04
3234	261	-0.35	-0.06	-0.49	-1.22e-04	0.0	4.22e-05
3234	268	0.08	-2.01e-03	-0.97	-3.29e-04	0.0	8.19e-05
3234	288	0.05	-0.28	-0.79	-1.69e-04	0.0	7.89e-05
3234	298	0.06	-0.14	-0.79	-2.19e-04	0.0	7.28e-05
3234	303	0.09	-0.13	-0.74	-2.04e-04	0.0	6.75e-05
3234	310	0.05	-0.13	-0.74	-2.04e-04	0.0	6.79e-05
3235	28	-0.21	-0.14	-1.35	-3.01e-04	0.0	1.52e-04
3235	45	-0.54	-0.02	-0.46	-9.01e-05	0.0	4.63e-05
3235	69	0.06	0.36	-0.45	-2.47e-04	0.0	2.40e-05
3235	122	4.31	-1.25	-0.27	2.88e-04	0.0	1.07e-04
3235	135	-1.91	3.37	-1.18	-1.49e-03	0.0	1.83e-05
3235	140	-1.26	-4.03	-0.44	1.37e-03	0.0	1.64e-04
3235	154	4.84	-1.41	-0.22	3.47e-04	0.0	1.11e-04
3235	167	-2.16	3.83	-1.24	-1.67e-03	0.0	1.11e-05
3235	172	-1.43	-4.55	-0.41	1.57e-03	0.0	1.76e-04
3235	186	4.76	-1.45	-0.22	3.64e-04	0.0	1.09e-04
3235	199	-2.11	3.97	-1.25	-1.73e-03	0.0	1.40e-05
3235	204	-1.39	-4.66	-0.39	1.61e-03	0.0	1.79e-04
3235	218	5.52	-1.72	-0.14	4.70e-04	0.0	1.14e-04
3235	231	-2.47	4.80	-1.35	-2.05e-03	0.0	2.87e-06
3235	236	-1.62	-5.53	-0.33	1.95e-03	0.0	1.98e-04
3235	256	-0.14	-0.10	-0.94	-2.07e-04	0.0	1.04e-04
3235	261	-0.34	-0.03	-0.48	-9.47e-05	0.0	4.83e-05
3235	288	0.06	-0.23	-0.77	-1.14e-04	0.0	9.05e-05
3235	298	0.07	-0.09	-0.76	-1.67e-04	0.0	8.42e-05
3235	303	0.11	-0.09	-0.71	-1.55e-04	0.0	7.81e-05
3235	310	0.07	-0.08	-0.71	-1.56e-04	0.0	7.85e-05
3236	28	-0.19	-0.05	-1.24	-2.06e-04	0.0	1.55e-04
3236	45	-0.52	8.29e-03	-0.43	-6.43e-05	0.0	4.71e-05
3236	70	0.07	0.38	-0.43	-2.33e-04	0.0	2.59e-05
3236	122	4.28	-1.20	-0.20	2.76e-04	0.0	1.14e-04
3236	123	-4.12	1.12	-1.11	-4.87e-04	0.0	4.60e-05
3236	140	-1.24	-3.91	-0.52	1.52e-03	0.0	1.88e-04
3236	154	4.80	-1.35	-0.14	3.27e-04	0.0	1.18e-04
3236	155	-4.64	1.28	-1.16	-5.38e-04	0.0	4.19e-05
3236	172	-1.40	-4.42	-0.50	1.73e-03	0.0	2.03e-04
3236	186	4.72	-1.39	-0.14	3.45e-04	0.0	1.17e-04
3236	187	-4.56	1.32	-1.16	-5.56e-04	0.0	4.31e-05
3236	204	-1.36	-4.53	-0.49	1.78e-03	0.0	2.06e-04
3236	218	5.47	-1.67	-0.06	4.39e-04	0.0	1.24e-04
3236	219	-5.31	1.59	-1.24	-6.50e-04	0.0	3.65e-05
3236	236	-1.59	-5.38	-0.46	2.14e-03	0.0	2.31e-04
3236	256	-0.12	-0.04	-0.86	-1.42e-04	0.0	1.06e-04
3236	261	-0.33	-3.05e-03	-0.44	-6.63e-05	0.0	4.91e-05
3236	274	0.07	0.24	-0.44	-1.78e-04	0.0	3.50e-05

3236	298	0.08	-0.04	-0.69	-1.13e-04	0.0	8.59e-05
3236	303	0.12	-0.04	-0.65	-1.05e-04	0.0	7.97e-05
3236	308	0.04	-0.05	-0.41	-4.79e-05	0.0	4.63e-05
3236	310	0.08	-0.04	-0.65	-1.05e-04	0.0	8.00e-05
3237	28	-0.17	0.03	-1.00	-1.17e-04	0.0	1.53e-04
3237	45	-0.51	0.03	-0.37	-4.01e-05	0.0	4.68e-05
3237	68	0.16	0.40	-0.83	-2.76e-04	0.0	1.08e-04
3237	122	4.22	-1.14	-0.08	3.57e-04	0.0	1.19e-04
3237	123	-4.04	1.16	-0.97	-4.73e-04	0.0	4.01e-05
3237	137	1.38	3.79	-0.54	-1.80e-03	0.0	-4.51e-05
3237	154	4.73	-1.30	-0.02	4.13e-04	0.0	1.24e-04
3237	155	-4.55	1.31	-1.02	-5.29e-04	0.0	3.53e-05
3237	169	1.54	4.29	-0.54	-2.03e-03	0.0	-6.15e-05
3237	186	4.65	-1.34	-0.03	4.32e-04	0.0	1.23e-04
3237	187	-4.48	1.35	-1.02	-5.48e-04	0.0	3.63e-05
3237	201	1.50	4.40	-0.54	-2.08e-03	0.0	-6.55e-05
3237	218	5.39	-1.61	0.05	5.34e-04	0.0	1.30e-04
3237	219	-5.22	1.62	-1.10	-6.50e-04	0.0	2.84e-05
3237	233	1.73	5.23	-0.55	-2.47e-03	0.0	-9.35e-05
3237	256	-0.11	0.02	-0.69	-8.05e-05	0.0	1.06e-04
3237	261	-0.32	0.02	-0.37	-3.97e-05	0.0	4.88e-05
3237	276	0.11	0.27	-0.58	-1.86e-04	0.0	7.51e-05
3237	298	0.09	6.03e-03	-0.55	-6.22e-05	0.0	8.52e-05
3237	303	0.12	3.49e-03	-0.52	-5.73e-05	0.0	7.91e-05
3237	307	0.09	0.06	-0.52	-8.25e-05	0.0	7.73e-05
3237	310	0.09	5.56e-03	-0.52	-5.80e-05	0.0	7.95e-05
3238	28	-0.82	0.74	-1.56	-3.05e-04	0.0	7.47e-05
3238	44	-1.21	0.65	-1.39	-2.69e-04	0.0	6.92e-05
3238	68	-0.15	1.58	-1.36	-3.73e-04	0.0	5.29e-05
3238	123	-8.71	3.41	-1.21	-4.58e-04	0.0	1.18e-04
3238	137	0.80	10.65	-0.96	-1.44e-03	0.0	4.24e-05
3238	155	-9.78	3.81	-1.25	-4.98e-04	0.0	1.28e-04
3238	169	0.91	12.00	-0.97	-1.60e-03	0.0	4.35e-05
3238	187	-9.62	3.93	-1.25	-5.12e-04	0.0	1.27e-04
3238	201	0.92	12.31	-0.98	-1.64e-03	0.0	4.95e-05
3238	219	-11.17	4.65	-1.32	-5.86e-04	0.0	1.44e-04
3238	233	1.10	14.58	-1.01	-1.92e-03	0.0	5.42e-05
3238	256	-0.56	0.51	-1.09	-2.11e-04	0.0	5.18e-05
3238	264	-0.81	0.45	-0.97	-1.87e-04	0.0	4.82e-05
3238	276	-0.10	1.07	-0.96	-2.56e-04	0.0	3.72e-05
3238	298	-0.12	0.40	-0.88	-1.65e-04	0.0	3.85e-05
3238	305	-0.25	0.38	-0.84	-1.58e-04	0.0	3.77e-05
3238	307	-0.11	0.50	-0.84	-1.72e-04	0.0	3.56e-05
3238	310	-0.11	0.37	-0.83	-1.55e-04	0.0	3.64e-05
3239	35	-1.42	1.67	-0.32	3.75e-04	-7.06e-04	3.26e-05
3239	44	-1.83	1.56	-0.31	2.85e-04	-5.52e-04	3.74e-05
3239	68	-0.66	2.82	-0.23	3.37e-04	-5.20e-04	2.56e-05
3239	123	-10.86	3.96	-0.42	1.33e-05	-4.27e-04	1.05e-04
3239	128	-10.06	-3.18	-0.61	-1.06e-04	-5.02e-04	-6.74e-05
3239	137	1.20	14.36	0.25	4.27e-04	-9.03e-05	2.87e-04
3239	155	-12.16	4.37	-0.45	-4.76e-06	-4.45e-04	1.17e-04
3239	160	-11.25	-3.72	-0.66	-1.40e-04	-5.31e-04	-7.77e-05
3239	169	1.39	16.13	0.31	4.61e-04	-6.67e-05	3.21e-04
3239	187	-11.97	4.51	-0.44	1.57e-06	-4.40e-04	1.23e-04
3239	201	1.35	16.52	0.32	4.67e-04	-6.35e-05	3.23e-04
3239	208	-2.47	-13.70	-0.67	-1.48e-04	-4.87e-04	-2.07e-04
3239	219	-13.85	5.25	-0.47	-2.18e-05	-4.65e-04	1.46e-04
3239	233	1.65	19.48	0.41	5.25e-04	-2.46e-05	3.78e-04
3239	240	-2.79	-16.48	-0.76	-2.05e-04	-5.26e-04	-2.48e-04
3239	259	-0.97	1.16	-0.23	2.60e-04	-4.96e-04	2.25e-05
3239	264	-1.25	1.08	-0.22	2.00e-04	-3.93e-04	2.57e-05
3239	276	-0.46	1.93	-0.17	2.35e-04	-3.72e-04	1.78e-05
3239	301	-0.44	0.96	-0.18	1.84e-04	-3.16e-04	1.41e-05
3239	305	-0.58	0.93	-0.18	1.60e-04	-2.75e-04	1.58e-05
3239	307	-0.42	1.10	-0.17	1.66e-04	-2.71e-04	1.42e-05
3239	310	-0.42	0.93	-0.17	1.63e-04	-2.73e-04	1.37e-05
3240	35	-1.12	1.67	0.39	-8.05e-04	-7.06e-04	2.45e-05
3240	44	-1.49	1.56	0.34	-6.85e-04	-5.52e-04	3.04e-05
3240	68	-0.43	2.83	0.32	-6.70e-04	-5.20e-04	1.95e-05
3240	116	-13.13	-5.61	0.50	-5.68e-04	-4.82e-04	-3.91e-04
3240	137	5.54	14.35	0.02	-2.83e-04	-9.03e-05	2.95e-04
3240	148	-14.72	-6.47	0.54	-5.92e-04	-5.08e-04	-4.42e-04
3240	169	6.27	16.11	-1.09e-03	-2.72e-04	-6.67e-05	3.32e-04
3240	180	-14.59	-6.67	0.53	-5.90e-04	-5.08e-04	-4.42e-04
3240	201	6.28	16.51	-1.46e-03	-2.72e-04	-6.35e-05	3.33e-04

3240	212	-17.04	-8.16	0.60	-6.28e-04	-5.49e-04	-5.25e-04
3240	233	7.44	19.46	-0.03	-2.55e-04	-2.46e-05	3.92e-04
3240	259	-0.76	1.16	0.26	-5.59e-04	-4.96e-04	1.69e-05
3240	264	-1.01	1.09	0.23	-4.79e-04	-3.93e-04	2.09e-05
3240	276	-0.30	1.93	0.22	-4.69e-04	-3.72e-04	1.36e-05
3240	301	-0.31	0.97	0.18	-4.05e-04	-3.16e-04	9.68e-06
3240	305	-0.44	0.94	0.17	-3.73e-04	-2.75e-04	1.17e-05
3240	307	-0.30	1.11	0.17	-3.71e-04	-2.71e-04	1.02e-05
3240	310	-0.30	0.93	0.17	-3.71e-04	-2.73e-04	9.62e-06

Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
	-17.09	-19.92	-31.31	-3.985e+08	-3.952e+04	-5.82e-03
	16.44	22.03	1.25	2.80e-03	362.24	2.37e-03

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		kN	kN	kN	kN m	kN m	kN m
1	1	0.23	-0.79	-10.81	0.0	0.0	0.0
1	44	-0.41	-1.66	-25.95	0.0	0.0	0.0
1	69	-0.08	0.72	1.47	0.0	0.0	0.0
1	113	8.19	-3.92	78.65	0.0	0.0	0.0
1	141	0.85	6.80	128.30	0.0	0.0	0.0
1	144	-0.72	-8.45	-151.70	0.0	0.0	0.0
1	145	9.19	-4.29	90.23	0.0	0.0	0.0
1	173	0.95	7.80	146.55	0.0	0.0	0.0
1	176	-0.81	-9.45	-169.95	0.0	0.0	0.0
1	177	9.08	-4.13	91.45	0.0	0.0	0.0
1	205	0.93	8.00	149.73	0.0	0.0	0.0
1	208	-0.80	-9.65	-173.13	0.0	0.0	0.0
1	209	10.62	-4.60	110.76	0.0	0.0	0.0
1	237	1.07	9.66	179.69	0.0	0.0	0.0
1	240	-0.93	-11.31	-203.09	0.0	0.0	0.0
1	241	0.15	-0.58	-8.06	0.0	0.0	0.0
1	264	-0.27	-1.16	-18.16	0.0	0.0	0.0
1	273	-0.03	0.22	-2.75	0.0	0.0	0.0
1	297	0.05	-0.66	-9.84	0.0	0.0	0.0
1	305	-3.13e-04	-0.88	-12.89	0.0	0.0	0.0
1	306	0.03	-0.48	-8.42	0.0	0.0	0.0
1	309	0.05	-0.66	-9.84	0.0	0.0	0.0
1	310	0.07	-0.83	-11.70	0.0	0.0	0.0
4	1	0.42	-0.01	-13.94	0.0	0.0	0.0
4	69	-0.14	0.79	-4.23	0.0	0.0	0.0
4	92	0.22	-0.41	-20.47	0.0	0.0	0.0
4	113	17.01	-0.03	10.57	0.0	0.0	0.0
4	141	1.59	0.04	43.79	0.0	0.0	0.0
4	144	-1.43	-0.06	-68.34	0.0	0.0	0.0
4	145	19.11	-0.03	13.50	0.0	0.0	0.0
4	173	1.77	0.05	51.12	0.0	0.0	0.0
4	176	-1.61	-0.06	-75.67	0.0	0.0	0.0
4	177	18.90	-0.03	13.82	0.0	0.0	0.0
4	205	1.71	0.04	52.53	0.0	0.0	0.0
4	208	-1.54	-0.06	-77.08	0.0	0.0	0.0
4	209	22.10	-0.03	18.84	0.0	0.0	0.0
4	237	1.93	0.05	64.66	0.0	0.0	0.0
4	240	-1.77	-0.07	-89.21	0.0	0.0	0.0
4	241	0.28	-7.41e-03	-10.34	0.0	0.0	0.0
4	273	-0.07	0.52	-6.82	0.0	0.0	0.0
4	288	0.15	-0.28	-14.69	0.0	0.0	0.0
4	297	0.05	-6.51e-03	-10.81	0.0	0.0	0.0
4	305	-0.07	-8.63e-03	-12.59	0.0	0.0	0.0
4	306	0.03	0.10	-10.01	0.0	0.0	0.0
4	309	0.05	-6.51e-03	-10.81	0.0	0.0	0.0
4	310	0.08	-9.23e-03	-12.28	0.0	0.0	0.0
10	1	0.22	4.63e-03	-8.34	0.0	0.0	0.0
10	69	-0.14	0.94	-3.40	0.0	0.0	0.0
10	76	-0.04	-0.27	-9.90	0.0	0.0	0.0
10	113	15.35	0.06	-36.39	0.0	0.0	0.0
10	118	13.32	3.44e-03	-42.53	0.0	0.0	0.0
10	119	-13.44	4.78e-03	29.89	0.0	0.0	0.0
10	145	17.26	0.06	-40.08	0.0	0.0	0.0
10	150	14.97	3.14e-03	-46.99	0.0	0.0	0.0
10	151	-15.08	5.08e-03	34.35	0.0	0.0	0.0
10	177	17.07	0.06	-39.54	0.0	0.0	0.0
10	182	14.73	1.80e-03	-46.37	0.0	0.0	0.0
10	183	-14.85	6.42e-03	33.73	0.0	0.0	0.0

10	209	19.99	0.07	-45.04	0.0	0.0	0.0
10	214	17.20	9.21e-04	-53.04	0.0	0.0	0.0
10	215	-17.32	7.30e-03	40.41	0.0	0.0	0.0
10	241	0.14	3.26e-03	-6.16	0.0	0.0	0.0
10	273	-0.11	0.63	-4.35	0.0	0.0	0.0
10	280	-0.04	-0.18	-7.20	0.0	0.0	0.0
10	297	-0.07	2.88e-03	-5.75	0.0	0.0	0.0
10	303	9.49e-03	4.24e-03	-6.45	0.0	0.0	0.0
10	306	-0.08	0.13	-5.47	0.0	0.0	0.0
10	309	-0.07	2.88e-03	-5.75	0.0	0.0	0.0
10	310	-0.06	4.11e-03	-6.32	0.0	0.0	0.0
25	1	0.35	-2.21e-04	-4.74	0.0	0.0	0.0
25	19	0.47	-1.33e-04	-2.98	0.0	0.0	0.0
25	44	-0.61	-3.87e-04	-7.73	0.0	0.0	0.0
25	113	11.84	-0.01	15.20	0.0	0.0	0.0
25	116	-11.63	0.01	-23.82	0.0	0.0	0.0
25	145	13.29	-0.01	17.64	0.0	0.0	0.0
25	148	-13.09	0.01	-26.26	0.0	0.0	0.0
25	177	13.16	-0.01	17.53	0.0	0.0	0.0
25	180	-12.95	0.01	-26.15	0.0	0.0	0.0
25	209	15.39	-0.02	21.34	0.0	0.0	0.0
25	212	-15.18	0.02	-29.96	0.0	0.0	0.0
25	241	0.24	-1.59e-04	-3.62	0.0	0.0	0.0
25	248	0.34	-1.54e-04	-3.38	0.0	0.0	0.0
25	264	-0.40	-2.70e-04	-5.62	0.0	0.0	0.0
25	297	0.09	-1.66e-04	-3.98	0.0	0.0	0.0
25	302	0.14	-1.64e-04	-3.86	0.0	0.0	0.0
25	305	1.45e-03	-2.28e-04	-4.54	0.0	0.0	0.0
25	309	0.09	-1.66e-04	-3.98	0.0	0.0	0.0
25	310	0.10	-2.23e-04	-4.31	0.0	0.0	0.0
28	1	0.20	4.24e-06	-8.95	0.0	0.0	0.0
28	69	-8.48e-03	0.78	-5.63	0.0	0.0	0.0
28	76	0.01	-0.23	-11.04	0.0	0.0	0.0
28	113	9.07	-0.01	-3.55	0.0	0.0	0.0
28	141	3.45	0.07	0.26	0.0	0.0	0.0
28	144	-3.44	-0.07	-15.14	0.0	0.0	0.0
28	145	10.20	-0.01	-3.04	0.0	0.0	0.0
28	173	3.89	0.08	1.27	0.0	0.0	0.0
28	176	-3.88	-0.08	-16.14	0.0	0.0	0.0
28	177	10.09	-0.01	-2.93	0.0	0.0	0.0
28	205	3.87	0.07	1.46	0.0	0.0	0.0
28	208	-3.86	-0.07	-16.34	0.0	0.0	0.0
28	209	11.82	-0.01	-2.04	0.0	0.0	0.0
28	237	4.53	0.09	3.13	0.0	0.0	0.0
28	240	-4.52	-0.09	-18.00	0.0	0.0	0.0
28	241	0.13	4.49e-06	-6.76	0.0	0.0	0.0
28	273	-3.93e-03	0.52	-6.16	0.0	0.0	0.0
28	280	9.41e-03	-0.16	-8.16	0.0	0.0	0.0
28	297	3.72e-03	8.58e-06	-6.86	0.0	0.0	0.0
28	298	5.68e-03	-1.65e-05	-7.53	0.0	0.0	0.0
28	306	2.19e-03	0.10	-6.72	0.0	0.0	0.0
28	309	3.72e-03	8.58e-06	-6.86	0.0	0.0	0.0
28	310	5.40e-03	-1.30e-05	-7.44	0.0	0.0	0.0
34	1	0.13	1.77e-04	-5.53	0.0	0.0	0.0
34	4	0.12	5.55e-04	-6.41	0.0	0.0	0.0
34	45	-0.90	2.50e-04	-2.68	0.0	0.0	0.0
34	113	11.89	0.03	-18.02	0.0	0.0	0.0
34	114	9.72	6.79e-03	-19.84	0.0	0.0	0.0
34	115	-9.89	-6.20e-03	11.39	0.0	0.0	0.0
34	145	13.37	0.03	-19.72	0.0	0.0	0.0
34	146	10.92	7.52e-03	-21.76	0.0	0.0	0.0
34	147	-11.09	-6.94e-03	13.31	0.0	0.0	0.0
34	177	13.24	0.03	-19.46	0.0	0.0	0.0
34	178	10.70	7.04e-03	-21.48	0.0	0.0	0.0
34	179	-10.88	-6.46e-03	13.03	0.0	0.0	0.0
34	209	15.51	0.04	-21.98	0.0	0.0	0.0
34	210	12.47	7.87e-03	-24.35	0.0	0.0	0.0
34	211	-12.65	-7.29e-03	15.91	0.0	0.0	0.0
34	241	0.08	1.25e-04	-4.14	0.0	0.0	0.0
34	244	0.07	3.78e-04	-4.73	0.0	0.0	0.0
34	261	-0.63	2.29e-04	-3.16	0.0	0.0	0.0
34	297	-0.08	1.49e-04	-3.91	0.0	0.0	0.0
34	303	-0.04	2.84e-04	-4.30	0.0	0.0	0.0
34	304	-0.19	1.65e-04	-3.76	0.0	0.0	0.0
34	309	-0.08	1.49e-04	-3.91	0.0	0.0	0.0

34	310	-0.09	2.92e-04	-4.22	0.0	0.0	0.0
50	1	0.49	5.27e-04	-1.25	0.0	0.0	0.0
50	18	0.74	8.63e-04	-1.40	0.0	0.0	0.0
50	45	-1.00	-1.86e-04	-0.52	0.0	0.0	0.0
50	113	15.02	0.01	-6.98	0.0	0.0	0.0
50	114	12.37	3.28e-03	-7.79	0.0	0.0	0.0
50	115	-12.11	-2.48e-03	5.97	0.0	0.0	0.0
50	145	16.87	0.01	-7.72	0.0	0.0	0.0
50	146	13.87	3.58e-03	-8.64	0.0	0.0	0.0
50	147	-13.61	-2.78e-03	6.82	0.0	0.0	0.0
50	177	16.69	0.01	-7.61	0.0	0.0	0.0
50	178	13.60	3.22e-03	-8.51	0.0	0.0	0.0
50	179	-13.35	-2.42e-03	6.69	0.0	0.0	0.0
50	209	19.52	0.02	-8.72	0.0	0.0	0.0
50	210	15.81	3.59e-03	-9.78	0.0	0.0	0.0
50	211	-15.55	-2.78e-03	7.95	0.0	0.0	0.0
50	241	0.34	3.67e-04	-0.94	0.0	0.0	0.0
50	251	0.50	5.91e-04	-1.03	0.0	0.0	0.0
50	261	-0.63	-9.24e-06	-0.65	0.0	0.0	0.0
50	297	0.12	2.81e-04	-0.87	0.0	0.0	0.0
50	303	0.20	4.32e-04	-0.93	0.0	0.0	0.0
50	304	-0.03	2.23e-04	-0.83	0.0	0.0	0.0
50	309	0.12	2.81e-04	-0.87	0.0	0.0	0.0
50	310	0.13	4.03e-04	-0.91	0.0	0.0	0.0
54	1	0.32	1.86e-04	-1.18	0.0	0.0	0.0
54	69	-0.04	0.27	-0.79	0.0	0.0	0.0
54	76	0.01	-0.08	-1.28	0.0	0.0	0.0
54	113	14.62	9.71e-03	-1.36	0.0	0.0	0.0
54	118	12.63	3.28e-04	-1.46	0.0	0.0	0.0
54	119	-12.64	-3.20e-05	-0.37	0.0	0.0	0.0
54	145	16.43	0.01	-1.41	0.0	0.0	0.0
54	150	14.19	3.31e-04	-1.53	0.0	0.0	0.0
54	151	-14.20	-3.46e-05	-0.31	0.0	0.0	0.0
54	177	16.26	0.01	-1.40	0.0	0.0	0.0
54	182	13.96	2.07e-04	-1.52	0.0	0.0	0.0
54	183	-13.97	8.88e-05	-0.31	0.0	0.0	0.0
54	209	19.03	0.01	-1.48	0.0	0.0	0.0
54	214	16.29	1.50e-04	-1.62	0.0	0.0	0.0
54	215	-16.30	1.46e-04	-0.21	0.0	0.0	0.0
54	241	0.21	1.30e-04	-0.90	0.0	0.0	0.0
54	273	-0.03	0.18	-0.83	0.0	0.0	0.0
54	280	5.43e-03	-0.05	-0.96	0.0	0.0	0.0
54	297	-7.06e-03	1.05e-04	-0.89	0.0	0.0	0.0
54	298	-3.38e-03	1.55e-04	-0.92	0.0	0.0	0.0
54	306	-0.01	0.04	-0.88	0.0	0.0	0.0
54	309	-7.06e-03	1.05e-04	-0.89	0.0	0.0	0.0
54	310	-3.90e-03	1.48e-04	-0.92	0.0	0.0	0.0
58	1	0.14	-5.37e-05	-1.15	0.0	0.0	0.0
58	19	0.41	-6.37e-05	-0.79	0.0	0.0	0.0
58	44	-1.32	5.39e-05	-1.60	0.0	0.0	0.0
58	113	14.73	-3.49e-03	4.89	0.0	0.0	0.0
58	116	-15.04	3.44e-03	-6.86	0.0	0.0	0.0
58	145	16.57	-3.89e-03	5.62	0.0	0.0	0.0
58	148	-16.88	3.83e-03	-7.59	0.0	0.0	0.0
58	177	16.40	-3.63e-03	5.58	0.0	0.0	0.0
58	180	-16.71	3.57e-03	-7.55	0.0	0.0	0.0
58	209	19.23	-4.15e-03	6.71	0.0	0.0	0.0
58	212	-19.54	4.10e-03	-8.68	0.0	0.0	0.0
58	241	0.07	-3.62e-05	-0.88	0.0	0.0	0.0
58	248	0.22	-4.96e-05	-0.85	0.0	0.0	0.0
58	264	-0.90	3.56e-05	-1.18	0.0	0.0	0.0
58	297	-0.15	-1.60e-05	-0.94	0.0	0.0	0.0
58	302	-0.07	-2.27e-05	-0.92	0.0	0.0	0.0
58	305	-0.30	-1.46e-05	-1.02	0.0	0.0	0.0
58	309	-0.15	-1.60e-05	-0.94	0.0	0.0	0.0
58	310	-0.16	-2.81e-05	-0.99	0.0	0.0	0.0
70	1	0.47	-0.96	-22.49	0.0	0.0	0.0
70	69	0.04	1.10	-3.99	0.0	0.0	0.0
70	76	0.11	-2.24	-39.83	0.0	0.0	0.0
70	113	16.12	-2.27	33.98	0.0	0.0	0.0
70	137	6.93	7.56	97.47	0.0	0.0	0.0
70	140	-6.80	-9.53	-140.86	0.0	0.0	0.0
70	145	18.11	-2.40	41.13	0.0	0.0	0.0
70	169	7.79	8.69	113.07	0.0	0.0	0.0
70	172	-7.66	-10.66	-156.46	0.0	0.0	0.0

70	177	17.93	-2.25	41.99	0.0	0.0	0.0
70	201	7.75	8.98	116.28	0.0	0.0	0.0
70	204	-7.62	-10.95	-159.66	0.0	0.0	0.0
70	209	20.98	-2.37	54.05	0.0	0.0	0.0
70	233	9.08	10.89	142.28	0.0	0.0	0.0
70	236	-8.96	-12.86	-185.67	0.0	0.0	0.0
70	241	0.32	-0.70	-16.48	0.0	0.0	0.0
70	273	0.04	0.46	-9.00	0.0	0.0	0.0
70	280	0.08	-1.55	-28.04	0.0	0.0	0.0
70	297	0.05	-0.72	-16.79	0.0	0.0	0.0
70	298	0.07	-1.03	-22.51	0.0	0.0	0.0
70	306	0.05	-0.48	-15.23	0.0	0.0	0.0
70	309	0.05	-0.72	-16.79	0.0	0.0	0.0
70	310	0.06	-0.99	-21.69	0.0	0.0	0.0
73	1	0.41	-3.65e-03	-13.99	0.0	0.0	0.0
73	28	-0.69	-9.27e-03	-24.06	0.0	0.0	0.0
73	69	0.04	0.27	-6.15	0.0	0.0	0.0
73	113	14.36	-0.03	19.57	0.0	0.0	0.0
73	141	5.69	0.04	32.93	0.0	0.0	0.0
73	144	-5.63	-0.05	-60.20	0.0	0.0	0.0
73	145	16.14	-0.03	23.86	0.0	0.0	0.0
73	173	6.41	0.05	39.02	0.0	0.0	0.0
73	176	-6.35	-0.06	-66.29	0.0	0.0	0.0
73	177	15.98	-0.03	24.47	0.0	0.0	0.0
73	205	6.39	0.05	40.17	0.0	0.0	0.0
73	208	-6.33	-0.06	-67.44	0.0	0.0	0.0
73	209	18.71	-0.04	31.67	0.0	0.0	0.0
73	237	7.49	0.06	50.21	0.0	0.0	0.0
73	240	-7.43	-0.07	-77.48	0.0	0.0	0.0
73	241	0.28	-2.52e-03	-10.37	0.0	0.0	0.0
73	256	-0.46	-6.27e-03	-17.08	0.0	0.0	0.0
73	273	0.04	0.18	-8.17	0.0	0.0	0.0
73	297	0.03	-2.37e-03	-10.96	0.0	0.0	0.0
73	298	0.03	-5.14e-03	-14.08	0.0	0.0	0.0
73	306	0.03	0.03	-10.40	0.0	0.0	0.0
73	309	0.03	-2.37e-03	-10.96	0.0	0.0	0.0
73	310	0.03	-4.74e-03	-13.64	0.0	0.0	0.0
79	1	0.48	-1.99e-03	-6.75	0.0	0.0	0.0
79	19	0.65	-1.36e-03	-3.81	0.0	0.0	0.0
79	44	-0.87	-3.83e-03	-13.38	0.0	0.0	0.0
79	113	14.29	-2.65e-03	30.52	0.0	0.0	0.0
79	116	-14.02	-2.54e-03	-44.31	0.0	0.0	0.0
79	145	16.05	-2.63e-03	35.23	0.0	0.0	0.0
79	148	-15.78	-2.56e-03	-49.02	0.0	0.0	0.0
79	177	15.89	-2.49e-03	35.20	0.0	0.0	0.0
79	180	-15.62	-2.70e-03	-49.00	0.0	0.0	0.0
79	209	18.58	-2.40e-03	42.67	0.0	0.0	0.0
79	212	-18.31	-2.79e-03	-56.46	0.0	0.0	0.0
79	241	0.33	-1.38e-03	-5.07	0.0	0.0	0.0
79	248	0.47	-1.45e-03	-4.64	0.0	0.0	0.0
79	264	-0.57	-2.60e-03	-9.49	0.0	0.0	0.0
79	297	0.12	-1.28e-03	-5.72	0.0	0.0	0.0
79	302	0.19	-1.32e-03	-5.51	0.0	0.0	0.0
79	305	-7.00e-03	-2.53e-03	-7.33	0.0	0.0	0.0
79	309	0.12	-1.28e-03	-5.72	0.0	0.0	0.0
79	310	0.14	-2.59e-03	-6.90	0.0	0.0	0.0
95	1	0.17	-4.11e-04	-1.14	0.0	0.0	0.0
95	19	0.46	-3.06e-04	-0.71	0.0	0.0	0.0
95	44	-1.44	-6.44e-04	-1.97	0.0	0.0	0.0
95	113	15.32	-1.44e-04	7.30	0.0	0.0	0.0
95	116	-15.66	-8.53e-04	-9.44	0.0	0.0	0.0
95	145	17.24	-9.33e-05	8.35	0.0	0.0	0.0
95	148	-17.58	-9.04e-04	-10.49	0.0	0.0	0.0
95	177	17.07	-6.41e-05	8.31	0.0	0.0	0.0
95	180	-17.40	-9.34e-04	-10.45	0.0	0.0	0.0
95	209	20.01	3.24e-05	9.95	0.0	0.0	0.0
95	212	-20.35	-1.03e-03	-12.10	0.0	0.0	0.0
95	241	0.10	-2.84e-04	-0.87	0.0	0.0	0.0
95	248	0.26	-3.09e-04	-0.81	0.0	0.0	0.0
95	264	-0.97	-4.39e-04	-1.42	0.0	0.0	0.0
95	297	-0.14	-2.47e-04	-0.97	0.0	0.0	0.0
95	302	-0.06	-2.60e-04	-0.93	0.0	0.0	0.0
95	305	-0.33	-4.74e-04	-1.14	0.0	0.0	0.0
95	309	-0.14	-2.47e-04	-0.97	0.0	0.0	0.0
95	310	-0.17	-4.99e-04	-1.07	0.0	0.0	0.0

99	1	0.37	-1.44e-04	-1.16	0.0	0.0	0.0
99	19	0.60	-1.00e-04	-0.82	0.0	0.0	0.0
99	44	-1.17	-2.63e-04	-1.48	0.0	0.0	0.0
99	113	15.05	-5.93e-04	0.15	0.0	0.0	0.0
99	116	-15.03	2.26e-04	-2.08	0.0	0.0	0.0
99	145	16.91	-6.30e-04	0.29	0.0	0.0	0.0
99	148	-16.90	2.63e-04	-2.22	0.0	0.0	0.0
99	177	16.74	-5.56e-04	0.28	0.0	0.0	0.0
99	180	-16.72	1.89e-04	-2.22	0.0	0.0	0.0
99	209	19.60	-5.74e-04	0.50	0.0	0.0	0.0
99	212	-19.58	2.07e-04	-2.44	0.0	0.0	0.0
99	241	0.25	-9.98e-05	-0.88	0.0	0.0	0.0
99	248	0.41	-1.05e-04	-0.86	0.0	0.0	0.0
99	264	-0.78	-1.79e-04	-1.10	0.0	0.0	0.0
99	297	0.01	-9.14e-05	-0.92	0.0	0.0	0.0
99	302	0.09	-9.42e-05	-0.91	0.0	0.0	0.0
99	305	-0.15	-1.78e-04	-0.99	0.0	0.0	0.0
99	309	0.01	-9.14e-05	-0.92	0.0	0.0	0.0
99	310	7.69e-03	-1.84e-04	-0.97	0.0	0.0	0.0
103	1	0.56	4.77e-05	-1.26	0.0	0.0	0.0
103	4	0.59	1.02e-04	-1.38	0.0	0.0	0.0
103	45	-1.06	-7.11e-05	-0.77	0.0	0.0	0.0
103	113	15.30	0.01	-5.72	0.0	0.0	0.0
103	116	-14.98	-0.01	3.79	0.0	0.0	0.0
103	145	17.17	0.01	-6.31	0.0	0.0	0.0
103	148	-16.85	-0.01	4.37	0.0	0.0	0.0
103	177	17.00	0.01	-6.24	0.0	0.0	0.0
103	180	-16.68	-0.01	4.30	0.0	0.0	0.0
103	209	19.87	0.02	-7.12	0.0	0.0	0.0
103	212	-19.56	-0.02	5.19	0.0	0.0	0.0
103	241	0.39	3.19e-05	-0.96	0.0	0.0	0.0
103	244	0.41	6.81e-05	-1.04	0.0	0.0	0.0
103	261	-0.65	-4.04e-05	-0.83	0.0	0.0	0.0
103	297	0.15	1.52e-05	-0.93	0.0	0.0	0.0
103	303	0.24	4.16e-05	-0.98	0.0	0.0	0.0
103	304	-9.32e-03	4.08e-06	-0.91	0.0	0.0	0.0
103	309	0.15	1.52e-05	-0.93	0.0	0.0	0.0
103	310	0.16	3.60e-05	-0.97	0.0	0.0	0.0
116	1	0.55	-3.71e-03	-13.77	0.0	0.0	0.0
116	69	0.03	0.33	-5.79	0.0	0.0	0.0
116	76	0.16	-0.11	-21.31	0.0	0.0	0.0
116	113	18.30	-0.03	-21.05	0.0	0.0	0.0
116	138	2.40	0.04	-50.40	0.0	0.0	0.0
116	139	-2.22	-0.05	25.48	0.0	0.0	0.0
116	145	20.56	-0.03	-22.02	0.0	0.0	0.0
116	170	2.67	0.04	-55.33	0.0	0.0	0.0
116	171	-2.49	-0.05	30.42	0.0	0.0	0.0
116	177	20.34	-0.03	-21.34	0.0	0.0	0.0
116	202	2.56	0.04	-56.15	0.0	0.0	0.0
116	203	-2.38	-0.05	31.23	0.0	0.0	0.0
116	209	23.79	-0.04	-22.45	0.0	0.0	0.0
116	234	2.93	0.05	-64.26	0.0	0.0	0.0
116	235	-2.75	-0.06	39.35	0.0	0.0	0.0
116	241	0.37	-2.56e-03	-10.16	0.0	0.0	0.0
116	273	0.05	0.22	-7.60	0.0	0.0	0.0
116	280	0.11	-0.07	-15.18	0.0	0.0	0.0
116	297	0.07	-2.41e-03	-10.12	0.0	0.0	0.0
116	298	0.09	-5.11e-03	-12.85	0.0	0.0	0.0
116	306	0.06	0.04	-9.61	0.0	0.0	0.0
116	309	0.07	-2.41e-03	-10.12	0.0	0.0	0.0
116	310	0.09	-4.73e-03	-12.46	0.0	0.0	0.0
120	1	0.54	-1.90e-03	-10.42	0.0	0.0	0.0
120	69	0.04	0.57	-5.50	0.0	0.0	0.0
120	76	0.14	-0.18	-13.72	0.0	0.0	0.0
120	113	18.28	-7.04e-04	-31.64	0.0	0.0	0.0
120	118	15.80	-0.01	-37.24	0.0	0.0	0.0
120	119	-15.65	7.99e-03	20.03	0.0	0.0	0.0
120	145	20.54	-4.96e-04	-34.46	0.0	0.0	0.0
120	150	17.74	-0.01	-40.77	0.0	0.0	0.0
120	151	-17.58	9.21e-03	23.56	0.0	0.0	0.0
120	177	20.32	-5.47e-04	-33.96	0.0	0.0	0.0
120	182	17.46	-0.01	-40.29	0.0	0.0	0.0
120	183	-17.30	8.66e-03	23.08	0.0	0.0	0.0
120	209	23.78	-1.60e-04	-38.11	0.0	0.0	0.0
120	214	20.35	-0.02	-45.58	0.0	0.0	0.0

120	215	-20.20	0.01	28.37	0.0	0.0	0.0
120	241	0.37	-1.32e-03	-7.74	0.0	0.0	0.0
120	273	0.05	0.38	-6.35	0.0	0.0	0.0
120	280	0.10	-0.12	-9.94	0.0	0.0	0.0
120	297	0.06	-1.24e-03	-7.46	0.0	0.0	0.0
120	298	0.08	-2.63e-03	-8.80	0.0	0.0	0.0
120	306	0.06	0.07	-7.24	0.0	0.0	0.0
120	309	0.06	-1.24e-03	-7.46	0.0	0.0	0.0
120	310	0.08	-2.43e-03	-8.61	0.0	0.0	0.0
124	1	0.53	-6.26e-04	-8.78	0.0	0.0	0.0
124	18	0.87	-1.50e-03	-10.51	0.0	0.0	0.0
124	45	-1.45	-1.32e-04	-2.92	0.0	0.0	0.0
124	113	18.27	-2.20e-03	-45.80	0.0	0.0	0.0
124	114	14.98	-0.02	-51.96	0.0	0.0	0.0
124	115	-14.83	0.02	38.93	0.0	0.0	0.0
124	145	20.53	-2.36e-03	-50.62	0.0	0.0	0.0
124	146	16.81	-0.02	-57.57	0.0	0.0	0.0
124	147	-16.66	0.02	44.54	0.0	0.0	0.0
124	177	20.31	-2.27e-03	-49.83	0.0	0.0	0.0
124	178	16.48	-0.02	-56.86	0.0	0.0	0.0
124	179	-16.33	0.02	43.83	0.0	0.0	0.0
124	209	23.77	-2.28e-03	-56.96	0.0	0.0	0.0
124	210	19.16	-0.03	-65.33	0.0	0.0	0.0
124	211	-19.02	0.02	52.30	0.0	0.0	0.0
124	241	0.36	-4.31e-04	-6.54	0.0	0.0	0.0
124	251	0.58	-1.01e-03	-7.70	0.0	0.0	0.0
124	261	-0.95	-2.57e-04	-4.04	0.0	0.0	0.0
124	297	0.06	-3.91e-04	-5.97	0.0	0.0	0.0
124	303	0.17	-8.48e-04	-6.71	0.0	0.0	0.0
124	304	-0.14	-3.64e-04	-5.58	0.0	0.0	0.0
124	309	0.06	-3.91e-04	-5.97	0.0	0.0	0.0
124	310	0.07	-8.34e-04	-6.51	0.0	0.0	0.0
128	1	0.51	1.54e-04	-8.12	0.0	0.0	0.0
128	18	0.84	2.77e-04	-9.74	0.0	0.0	0.0
128	45	-1.42	2.32e-04	1.49	0.0	0.0	0.0
128	113	17.65	-2.39e-03	-92.60	0.0	0.0	0.0
128	116	-17.51	2.80e-03	82.72	0.0	0.0	0.0
128	145	19.83	-2.67e-03	-103.47	0.0	0.0	0.0
128	148	-19.69	3.09e-03	93.59	0.0	0.0	0.0
128	177	19.63	-2.41e-03	-102.44	0.0	0.0	0.0
128	180	-19.49	2.83e-03	92.56	0.0	0.0	0.0
128	209	22.97	-2.47e-03	-119.08	0.0	0.0	0.0
128	212	-22.83	2.89e-03	109.20	0.0	0.0	0.0
128	241	0.35	1.12e-04	-6.01	0.0	0.0	0.0
128	251	0.56	1.94e-04	-7.08	0.0	0.0	0.0
128	261	-0.93	2.08e-04	-0.64	0.0	0.0	0.0
128	297	0.05	1.34e-04	-4.77	0.0	0.0	0.0
128	303	0.17	2.01e-04	-5.35	0.0	0.0	0.0
128	304	-0.14	1.49e-04	-3.94	0.0	0.0	0.0
128	309	0.05	1.34e-04	-4.77	0.0	0.0	0.0
128	310	0.07	2.08e-04	-4.94	0.0	0.0	0.0
132	1	0.24	5.07e-04	-5.17	0.0	0.0	0.0
132	18	0.39	1.18e-03	-6.76	0.0	0.0	0.0
132	45	-0.67	8.56e-04	5.50	0.0	0.0	0.0
132	113	8.50	0.02	-102.76	0.0	0.0	0.0
132	116	-8.44	-0.02	98.34	0.0	0.0	0.0
132	145	9.55	0.03	-115.24	0.0	0.0	0.0
132	148	-9.49	-0.02	110.82	0.0	0.0	0.0
132	177	9.46	0.03	-114.12	0.0	0.0	0.0
132	180	-9.40	-0.02	109.70	0.0	0.0	0.0
132	209	11.07	0.03	-133.25	0.0	0.0	0.0
132	212	-11.01	-0.03	128.83	0.0	0.0	0.0
132	241	0.16	3.62e-04	-3.73	0.0	0.0	0.0
132	251	0.26	8.09e-04	-4.79	0.0	0.0	0.0
132	261	-0.44	7.58e-04	2.93	0.0	0.0	0.0
132	297	0.02	4.54e-04	-2.19	0.0	0.0	0.0
132	303	0.08	8.20e-04	-2.72	0.0	0.0	0.0
132	304	-0.07	5.15e-04	-1.17	0.0	0.0	0.0
132	309	0.02	4.54e-04	-2.19	0.0	0.0	0.0
132	310	0.03	8.50e-04	-2.21	0.0	0.0	0.0
155	1	0.28	-3.63e-05	0.40	0.0	0.0	0.0
155	22	0.47	-4.92e-05	3.11	0.0	0.0	0.0
155	41	-0.80	-6.68e-04	-9.73	0.0	0.0	0.0
155	113	10.53	-6.94e-03	100.57	0.0	0.0	0.0
155	116	-10.45	6.50e-03	-102.90	0.0	0.0	0.0

155	145	11.83	-7.77e-03	113.20	0.0	0.0	0.0
155	148	-11.75	7.33e-03	-115.54	0.0	0.0	0.0
155	177	11.71	-7.64e-03	112.11	0.0	0.0	0.0
155	180	-11.63	7.21e-03	-114.45	0.0	0.0	0.0
155	209	13.70	-8.71e-03	131.51	0.0	0.0	0.0
155	212	-13.63	8.27e-03	-133.84	0.0	0.0	0.0
155	241	0.19	-3.48e-05	0.03	0.0	0.0	0.0
155	251	0.32	-8.38e-05	1.59	0.0	0.0	0.0
155	261	-0.53	-4.56e-04	-6.71	0.0	0.0	0.0
155	297	0.02	-1.32e-04	-1.52	0.0	0.0	0.0
155	303	0.09	-1.86e-04	-0.65	0.0	0.0	0.0
155	304	-0.09	-1.97e-04	-2.56	0.0	0.0	0.0
155	309	0.02	-1.32e-04	-1.52	0.0	0.0	0.0
155	310	0.04	-2.19e-04	-1.17	0.0	0.0	0.0
158	1	0.59	2.01e-05	-1.47	0.0	0.0	0.0
158	22	0.99	2.77e-05	2.36	0.0	0.0	0.0
158	41	-1.70	-3.96e-05	-9.09	0.0	0.0	0.0
158	113	21.75	-8.16e-05	81.40	0.0	0.0	0.0
158	116	-21.59	8.81e-05	-84.58	0.0	0.0	0.0
158	145	24.44	-7.69e-05	91.71	0.0	0.0	0.0
158	148	-24.28	8.33e-05	-94.90	0.0	0.0	0.0
158	177	24.19	2.18e-05	90.87	0.0	0.0	0.0
158	180	-24.03	-1.54e-05	-94.06	0.0	0.0	0.0
158	209	28.31	3.99e-04	106.74	0.0	0.0	0.0
158	212	-28.16	-3.93e-04	-109.93	0.0	0.0	0.0
158	241	0.39	1.37e-05	-1.41	0.0	0.0	0.0
158	251	0.67	2.02e-05	0.80	0.0	0.0	0.0
158	261	-1.13	-2.61e-05	-6.49	0.0	0.0	0.0
158	297	0.04	4.53e-06	-2.58	0.0	0.0	0.0
158	303	0.20	6.27e-06	-1.20	0.0	0.0	0.0
158	304	-0.19	-1.59e-06	-3.36	0.0	0.0	0.0
158	309	0.04	4.53e-06	-2.58	0.0	0.0	0.0
158	310	0.08	3.21e-06	-1.59	0.0	0.0	0.0
164	1	0.60	-8.75e-06	-0.85	0.0	0.0	0.0
164	4	0.70	-1.96e-05	4.28	0.0	0.0	0.0
164	45	-1.76	-1.28e-05	-4.28	0.0	0.0	0.0
164	113	22.43	0.03	41.08	0.0	0.0	0.0
164	116	-22.26	-0.03	-40.37	0.0	0.0	0.0
164	145	25.20	0.03	46.14	0.0	0.0	0.0
164	148	-25.03	-0.03	-45.43	0.0	0.0	0.0
164	177	24.95	0.03	45.74	0.0	0.0	0.0
164	180	-24.78	-0.03	-45.03	0.0	0.0	0.0
164	209	29.20	0.04	53.55	0.0	0.0	0.0
164	212	-29.03	-0.04	-52.84	0.0	0.0	0.0
164	241	0.41	-6.42e-06	-0.93	0.0	0.0	0.0
164	244	0.47	-1.37e-05	2.49	0.0	0.0	0.0
164	261	-1.16	-1.15e-05	-3.17	0.0	0.0	0.0
164	297	0.04	-7.60e-06	-1.45	0.0	0.0	0.0
164	298	0.09	-1.17e-05	0.65	0.0	0.0	0.0
164	304	-0.20	-8.38e-06	-1.79	0.0	0.0	0.0
164	309	0.04	-7.60e-06	-1.45	0.0	0.0	0.0
164	310	0.08	-1.12e-05	0.35	0.0	0.0	0.0
168	1	0.61	-3.51e-05	1.73	0.0	0.0	0.0
168	4	0.72	-7.60e-05	10.72	0.0	0.0	0.0
168	45	-1.77	-4.60e-05	-0.88	0.0	0.0	0.0
168	113	22.44	0.03	22.88	0.0	0.0	0.0
168	116	-22.26	-0.03	-14.95	0.0	0.0	0.0
168	145	25.22	0.03	25.24	0.0	0.0	0.0
168	148	-25.04	-0.03	-17.31	0.0	0.0	0.0
168	177	24.96	0.03	25.06	0.0	0.0	0.0
168	180	-24.78	-0.03	-17.13	0.0	0.0	0.0
168	209	29.22	0.04	28.68	0.0	0.0	0.0
168	212	-29.04	-0.04	-20.75	0.0	0.0	0.0
168	241	0.41	-2.57e-05	0.95	0.0	0.0	0.0
168	244	0.48	-5.30e-05	6.95	0.0	0.0	0.0
168	261	-1.16	-4.21e-05	-0.05	0.0	0.0	0.0
168	297	0.05	-2.95e-05	0.72	0.0	0.0	0.0
168	298	0.10	-4.51e-05	4.51	0.0	0.0	0.0
168	304	-0.19	-3.20e-05	0.56	0.0	0.0	0.0
168	309	0.05	-2.95e-05	0.72	0.0	0.0	0.0
168	310	0.09	-4.28e-05	3.97	0.0	0.0	0.0
172	1	0.60	-3.86e-05	5.49	0.0	0.0	0.0
172	19	0.95	-1.82e-05	2.91	0.0	0.0	0.0
172	28	-0.93	-1.07e-04	19.99	0.0	0.0	0.0
172	113	22.33	0.03	3.60	0.0	0.0	0.0

172	116	-22.17	-0.03	14.45	0.0	0.0	0.0
172	145	25.09	0.03	2.92	0.0	0.0	0.0
172	148	-24.93	-0.03	15.12	0.0	0.0	0.0
172	177	24.84	0.03	3.00	0.0	0.0	0.0
172	180	-24.68	-0.03	15.05	0.0	0.0	0.0
172	209	29.07	0.04	1.97	0.0	0.0	0.0
172	212	-28.91	-0.04	16.08	0.0	0.0	0.0
172	241	0.40	-2.83e-05	3.68	0.0	0.0	0.0
172	248	0.65	-2.50e-05	3.65	0.0	0.0	0.0
172	256	-0.62	-7.38e-05	13.35	0.0	0.0	0.0
172	297	0.04	-3.32e-05	3.72	0.0	0.0	0.0
172	298	0.09	-5.09e-05	9.91	0.0	0.0	0.0
172	302	0.16	-3.16e-05	3.70	0.0	0.0	0.0
172	309	0.04	-3.32e-05	3.72	0.0	0.0	0.0
172	310	0.08	-4.84e-05	9.02	0.0	0.0	0.0
176	1	0.53	-1.24e-05	6.44	0.0	0.0	0.0
176	19	0.86	-6.80e-06	2.90	0.0	0.0	0.0
176	28	-0.89	-3.01e-05	24.56	0.0	0.0	0.0
176	113	20.60	0.03	-28.02	0.0	0.0	0.0
176	116	-20.49	-0.03	49.75	0.0	0.0	0.0
176	145	23.15	0.03	-32.85	0.0	0.0	0.0
176	148	-23.04	-0.03	54.59	0.0	0.0	0.0
176	177	22.91	0.03	-32.45	0.0	0.0	0.0
176	180	-22.81	-0.03	54.19	0.0	0.0	0.0
176	209	26.82	0.04	-39.88	0.0	0.0	0.0
176	212	-26.72	-0.04	61.62	0.0	0.0	0.0
176	241	0.36	-9.08e-06	4.42	0.0	0.0	0.0
176	248	0.58	-8.43e-06	4.10	0.0	0.0	0.0
176	256	-0.59	-2.09e-05	16.50	0.0	0.0	0.0
176	297	0.03	-1.00e-05	4.91	0.0	0.0	0.0
176	298	0.06	-1.51e-05	11.86	0.0	0.0	0.0
176	302	0.14	-9.72e-06	4.75	0.0	0.0	0.0
176	309	0.03	-1.00e-05	4.91	0.0	0.0	0.0
176	310	0.05	-1.44e-05	10.87	0.0	0.0	0.0
204	1	0.46	3.37e-05	4.17	0.0	0.0	0.0
204	19	0.76	-4.19e-06	0.30	0.0	0.0	0.0
204	28	-0.84	1.82e-04	23.74	0.0	0.0	0.0
204	113	18.33	3.14e-03	-77.97	0.0	0.0	0.0
204	116	-18.28	-3.00e-03	96.65	0.0	0.0	0.0
204	145	20.60	3.52e-03	-88.82	0.0	0.0	0.0
204	148	-20.55	-3.38e-03	107.50	0.0	0.0	0.0
204	177	20.39	3.46e-03	-87.91	0.0	0.0	0.0
204	180	-20.34	-3.32e-03	106.59	0.0	0.0	0.0
204	209	23.87	4.31e-03	-104.57	0.0	0.0	0.0
204	212	-23.82	-4.18e-03	123.26	0.0	0.0	0.0
204	241	0.31	2.60e-05	2.86	0.0	0.0	0.0
204	248	0.51	1.41e-05	2.03	0.0	0.0	0.0
204	256	-0.56	1.25e-04	15.90	0.0	0.0	0.0
204	297	9.89e-03	4.37e-05	4.10	0.0	0.0	0.0
204	298	0.03	7.15e-05	10.21	0.0	0.0	0.0
204	302	0.11	3.78e-05	3.69	0.0	0.0	0.0
204	309	9.89e-03	4.37e-05	4.10	0.0	0.0	0.0
204	310	0.03	6.75e-05	9.34	0.0	0.0	0.0
208	1	0.21	7.73e-05	-0.06	0.0	0.0	0.0
208	19	0.35	-9.77e-05	-2.61	0.0	0.0	0.0
208	44	-0.68	9.28e-04	14.01	0.0	0.0	0.0
208	113	8.84	0.02	-95.60	0.0	0.0	0.0
208	116	-8.82	-0.02	102.96	0.0	0.0	0.0
208	145	9.93	0.02	-107.92	0.0	0.0	0.0
208	148	-9.91	-0.02	115.28	0.0	0.0	0.0
208	177	9.83	0.02	-106.85	0.0	0.0	0.0
208	180	-9.81	-0.02	114.21	0.0	0.0	0.0
208	209	11.51	0.03	-125.77	0.0	0.0	0.0
208	212	-11.49	-0.03	133.13	0.0	0.0	0.0
208	241	0.14	6.47e-05	-0.05	0.0	0.0	0.0
208	248	0.24	-1.63e-06	-1.05	0.0	0.0	0.0
208	264	-0.46	6.32e-04	9.33	0.0	0.0	0.0
208	297	2.23e-03	1.64e-04	1.46	0.0	0.0	0.0
208	302	0.05	1.31e-04	0.96	0.0	0.0	0.0
208	305	-0.08	3.31e-04	4.69	0.0	0.0	0.0
208	309	2.23e-03	1.64e-04	1.46	0.0	0.0	0.0
208	310	8.65e-03	2.65e-04	3.68	0.0	0.0	0.0
219	1	0.06	-2.81e-04	-1.65	0.0	0.0	0.0
219	22	0.10	-5.05e-04	-0.03	0.0	0.0	0.0
219	41	-0.24	-1.75e-04	-6.13	0.0	0.0	0.0

219	113	3.22	-0.01	42.21	0.0	0.0	0.0
219	116	-3.24	9.63e-03	-46.07	0.0	0.0	0.0
219	145	3.62	-0.01	47.69	0.0	0.0	0.0
219	148	-3.64	0.01	-51.55	0.0	0.0	0.0
219	177	3.59	-0.01	47.21	0.0	0.0	0.0
219	180	-3.61	0.01	-51.06	0.0	0.0	0.0
219	209	4.20	-0.01	55.62	0.0	0.0	0.0
219	212	-4.22	0.01	-59.48	0.0	0.0	0.0
219	241	0.04	-1.99e-04	-1.39	0.0	0.0	0.0
219	251	0.07	-4.10e-04	-0.70	0.0	0.0	0.0
219	261	-0.16	-1.28e-04	-4.38	0.0	0.0	0.0
219	297	-6.06e-03	-1.83e-04	-2.08	0.0	0.0	0.0
219	303	5.98e-03	-3.37e-04	-1.70	0.0	0.0	0.0
219	304	-0.04	-1.72e-04	-2.54	0.0	0.0	0.0
219	309	-6.06e-03	-1.83e-04	-2.08	0.0	0.0	0.0
219	310	-9.56e-03	-3.32e-04	-1.93	0.0	0.0	0.0
222	1	0.13	0.0	-5.23	0.0	0.0	0.0
222	56	-0.03	0.0	-2.94	0.0	0.0	0.0
222	89	-0.02	0.0	-5.28	0.0	0.0	0.0
222	113	6.44	2.96e-03	-4.05	0.0	0.0	0.0
222	138	0.68	-0.03	-4.67	0.0	0.0	0.0
222	139	-0.72	0.03	-2.70	0.0	0.0	0.0
222	145	7.25	3.32e-03	-4.09	0.0	0.0	0.0
222	170	0.75	-0.04	-4.80	0.0	0.0	0.0
222	171	-0.80	0.04	-2.57	0.0	0.0	0.0
222	177	7.17	3.27e-03	-4.07	0.0	0.0	0.0
222	202	0.71	-0.04	-4.82	0.0	0.0	0.0
222	203	-0.75	0.04	-2.56	0.0	0.0	0.0
222	209	8.40	3.97e-03	-4.12	0.0	0.0	0.0
222	234	0.81	-0.05	-5.03	0.0	0.0	0.0
222	235	-0.85	0.05	-2.35	0.0	0.0	0.0
222	241	0.09	0.0	-4.07	0.0	0.0	0.0
222	268	-0.03	0.0	-3.27	0.0	0.0	0.0
222	285	-0.01	0.0	-4.10	0.0	0.0	0.0
222	297	-0.01	0.0	-4.05	0.0	0.0	0.0
222	298	-0.02	0.0	-3.63	0.0	0.0	0.0
222	308	-0.01	0.0	-4.06	0.0	0.0	0.0
222	309	-0.01	0.0	-4.05	0.0	0.0	0.0
222	310	-0.02	0.0	-3.69	0.0	0.0	0.0
228	1	0.06	2.81e-04	-3.58	0.0	0.0	0.0
228	15	0.11	2.97e-04	-4.29	0.0	0.0	0.0
228	48	-0.25	3.83e-04	1.98	0.0	0.0	0.0
228	113	3.22	0.02	-46.25	0.0	0.0	0.0
228	116	-3.24	-0.02	42.72	0.0	0.0	0.0
228	145	3.62	0.02	-51.77	0.0	0.0	0.0
228	148	-3.64	-0.02	48.24	0.0	0.0	0.0
228	177	3.59	0.02	-51.25	0.0	0.0	0.0
228	180	-3.61	-0.02	47.72	0.0	0.0	0.0
228	209	4.20	0.03	-59.71	0.0	0.0	0.0
228	212	-4.22	-0.03	56.18	0.0	0.0	0.0
228	241	0.04	1.99e-04	-2.68	0.0	0.0	0.0
228	248	0.07	2.10e-04	-3.15	0.0	0.0	0.0
228	264	-0.17	3.29e-04	0.69	0.0	0.0	0.0
228	297	-6.11e-03	1.83e-04	-1.97	0.0	0.0	0.0
228	302	9.44e-03	1.88e-04	-2.20	0.0	0.0	0.0
228	305	-0.04	3.21e-04	-1.29	0.0	0.0	0.0
228	309	-6.11e-03	1.83e-04	-1.97	0.0	0.0	0.0
228	310	-9.60e-03	3.32e-04	-1.76	0.0	0.0	0.0
243	1	0.20	4.26e-03	-1.95	0.0	0.0	0.0
243	19	0.40	2.37e-03	0.72	0.0	0.0	0.0
243	44	-1.02	0.01	-12.97	0.0	0.0	0.0
243	113	9.21	2.38e-03	92.54	0.0	0.0	0.0
243	116	-9.36	9.59e-03	-99.96	0.0	0.0	0.0
243	145	10.36	2.08e-03	104.52	0.0	0.0	0.0
243	148	-10.52	9.89e-03	-111.95	0.0	0.0	0.0
243	177	10.28	3.00e-03	103.66	0.0	0.0	0.0
243	180	-10.43	8.97e-03	-111.08	0.0	0.0	0.0
243	209	12.06	3.28e-03	122.16	0.0	0.0	0.0
243	212	-12.22	8.69e-03	-129.58	0.0	0.0	0.0
243	241	0.13	3.07e-03	-1.66	0.0	0.0	0.0
243	248	0.25	2.90e-03	-0.64	0.0	0.0	0.0
243	264	-0.68	7.41e-03	-9.01	0.0	0.0	0.0
243	297	-0.05	3.33e-03	-3.19	0.0	0.0	0.0
243	302	9.08e-03	3.24e-03	-2.68	0.0	0.0	0.0
243	305	-0.20	6.16e-03	-4.73	0.0	0.0	0.0

243	309	-0.05	3.33e-03	-3.19	0.0	0.0	0.0
243	310	-0.08	5.99e-03	-3.71	0.0	0.0	0.0
246	1	0.41	1.13e-03	-7.26	0.0	0.0	0.0
246	19	0.84	3.67e-04	-3.90	0.0	0.0	0.0
246	44	-2.16	4.25e-03	-16.17	0.0	0.0	0.0
246	113	19.04	6.40e-03	69.12	0.0	0.0	0.0
246	116	-19.38	-2.51e-03	-84.57	0.0	0.0	0.0
246	145	21.43	7.05e-03	78.73	0.0	0.0	0.0
246	148	-21.77	-3.17e-03	-94.19	0.0	0.0	0.0
246	177	21.25	7.62e-03	78.36	0.0	0.0	0.0
246	180	-21.59	-3.73e-03	-93.81	0.0	0.0	0.0
246	209	24.94	9.21e-03	93.40	0.0	0.0	0.0
246	212	-25.28	-5.33e-03	-108.86	0.0	0.0	0.0
246	241	0.27	8.19e-04	-5.58	0.0	0.0	0.0
246	248	0.52	6.66e-04	-4.92	0.0	0.0	0.0
246	264	-1.45	2.90e-03	-11.52	0.0	0.0	0.0
246	297	-0.11	1.05e-03	-6.57	0.0	0.0	0.0
246	302	0.01	9.73e-04	-6.24	0.0	0.0	0.0
246	305	-0.42	2.09e-03	-8.39	0.0	0.0	0.0
246	309	-0.11	1.05e-03	-6.57	0.0	0.0	0.0
246	310	-0.17	1.94e-03	-7.73	0.0	0.0	0.0
252	1	0.41	-4.93e-03	-10.36	0.0	0.0	0.0
252	69	0.05	1.25	-4.99	0.0	0.0	0.0
252	76	-0.40	-0.39	-16.12	0.0	0.0	0.0
252	113	19.64	0.02	19.93	0.0	0.0	0.0
252	129	12.40	0.03	27.58	0.0	0.0	0.0
252	132	-12.78	-0.05	-46.64	0.0	0.0	0.0
252	145	22.11	0.02	23.72	0.0	0.0	0.0
252	161	14.02	0.04	32.49	0.0	0.0	0.0
252	164	-14.40	-0.05	-51.55	0.0	0.0	0.0
252	177	21.93	0.02	24.18	0.0	0.0	0.0
252	193	14.23	0.03	33.90	0.0	0.0	0.0
252	196	-14.61	-0.05	-52.96	0.0	0.0	0.0
252	209	25.74	0.02	30.51	0.0	0.0	0.0
252	225	16.97	0.04	42.67	0.0	0.0	0.0
252	228	-17.35	-0.06	-61.74	0.0	0.0	0.0
252	241	0.26	-3.57e-03	-7.77	0.0	0.0	0.0
252	273	-0.01	0.83	-6.13	0.0	0.0	0.0
252	280	-0.28	-0.26	-11.61	0.0	0.0	0.0
252	297	-0.13	-3.92e-03	-7.86	0.0	0.0	0.0
252	298	-0.20	-7.49e-03	-9.81	0.0	0.0	0.0
252	306	-0.10	0.16	-7.52	0.0	0.0	0.0
252	309	-0.13	-3.92e-03	-7.86	0.0	0.0	0.0
252	310	-0.19	-6.98e-03	-9.53	0.0	0.0	0.0
256	1	-0.26	-9.84e-03	-10.18	0.0	0.0	0.0
256	69	0.02	0.78	-3.38	0.0	0.0	0.0
256	76	-1.36	-0.27	-15.54	0.0	0.0	0.0
256	113	18.95	0.01	-22.58	0.0	0.0	0.0
256	138	-0.09	0.15	-64.86	0.0	0.0	0.0
256	139	-1.31	-0.18	47.16	0.0	0.0	0.0
256	145	21.40	0.01	-24.11	0.0	0.0	0.0
256	170	-0.05	0.17	-72.13	0.0	0.0	0.0
256	171	-1.35	-0.21	54.44	0.0	0.0	0.0
256	177	21.23	0.01	-22.87	0.0	0.0	0.0
256	202	-0.27	0.18	-73.31	0.0	0.0	0.0
256	203	-1.13	-0.21	55.61	0.0	0.0	0.0
256	209	25.02	0.01	-24.51	0.0	0.0	0.0
256	234	-0.32	0.21	-85.25	0.0	0.0	0.0
256	235	-1.08	-0.25	67.55	0.0	0.0	0.0
256	241	-0.22	-7.15e-03	-7.56	0.0	0.0	0.0
256	273	-0.18	0.52	-4.81	0.0	0.0	0.0
256	280	-0.96	-0.18	-11.13	0.0	0.0	0.0
256	297	-0.53	-8.70e-03	-7.13	0.0	0.0	0.0
256	298	-0.73	-0.02	-9.14	0.0	0.0	0.0
256	306	-0.46	0.10	-6.66	0.0	0.0	0.0
256	309	-0.53	-8.70e-03	-7.13	0.0	0.0	0.0
256	310	-0.70	-0.02	-8.85	0.0	0.0	0.0
260	1	0.77	-0.04	-14.32	0.0	0.0	0.0
260	69	0.10	1.12	1.16	0.0	0.0	0.0
260	76	0.66	-0.46	-22.39	0.0	0.0	0.0
260	113	9.94	5.45	-81.68	0.0	0.0	0.0
260	118	8.03	0.08	-133.78	0.0	0.0	0.0
260	119	-7.28	-0.20	110.85	0.0	0.0	0.0
260	145	11.13	6.18	-89.98	0.0	0.0	0.0
260	150	8.97	0.10	-148.93	0.0	0.0	0.0

260	151	-8.22	-0.21	126.00	0.0	0.0	0.0
260	177	11.06	6.39	-86.71	0.0	0.0	0.0
260	202	0.29	-9.21	-150.25	0.0	0.0	0.0
260	203	0.46	9.10	127.32	0.0	0.0	0.0
260	209	12.91	7.69	-97.82	0.0	0.0	0.0
260	234	0.20	-10.95	-175.50	0.0	0.0	0.0
260	235	0.54	10.83	152.57	0.0	0.0	0.0
260	241	0.54	-0.02	-10.43	0.0	0.0	0.0
260	273	0.18	0.74	-2.37	0.0	0.0	0.0
260	280	0.48	-0.30	-15.81	0.0	0.0	0.0
260	297	0.30	-0.02	-8.63	0.0	0.0	0.0
260	303	0.45	-0.06	-12.07	0.0	0.0	0.0
260	306	0.28	0.13	-7.38	0.0	0.0	0.0
260	309	0.30	-0.02	-8.63	0.0	0.0	0.0
260	310	0.37	-0.06	-11.46	0.0	0.0	0.0
284	1	0.23	-0.10	-19.88	0.0	0.0	0.0
284	4	0.23	-0.26	-35.45	0.0	0.0	0.0
284	45	-0.80	0.07	-8.77	0.0	0.0	0.0
284	113	-0.13	10.96	-57.79	0.0	0.0	0.0
284	118	-0.15	-0.12	-70.23	0.0	0.0	0.0
284	119	0.14	-0.10	31.53	0.0	0.0	0.0
284	145	-0.14	12.43	-62.44	0.0	0.0	0.0
284	150	-0.17	-0.12	-76.51	0.0	0.0	0.0
284	151	0.16	-0.10	37.81	0.0	0.0	0.0
284	177	-0.14	12.87	-61.34	0.0	0.0	0.0
284	182	-0.17	-0.10	-75.68	0.0	0.0	0.0
284	183	0.16	-0.12	36.98	0.0	0.0	0.0
284	209	-0.16	15.48	-68.03	0.0	0.0	0.0
284	214	-0.20	-0.05	-85.08	0.0	0.0	0.0
284	215	0.19	-0.17	46.38	0.0	0.0	0.0
284	241	0.16	-0.07	-14.56	0.0	0.0	0.0
284	244	0.15	-0.17	-24.95	0.0	0.0	0.0
284	261	-0.53	0.02	-10.94	0.0	0.0	0.0
284	297	-3.27e-03	-0.05	-13.73	0.0	0.0	0.0
284	298	-5.28e-03	-0.12	-20.29	0.0	0.0	0.0
284	304	-0.11	-0.03	-13.17	0.0	0.0	0.0
284	309	-3.27e-03	-0.05	-13.73	0.0	0.0	0.0
284	310	-4.99e-03	-0.11	-19.35	0.0	0.0	0.0
288	1	0.37	-0.13	-22.58	0.0	0.0	0.0
288	45	-1.25	0.09	-13.72	0.0	0.0	0.0
288	52	-2.06e-03	1.09	-43.83	0.0	0.0	0.0
288	113	0.04	10.92	-55.41	0.0	0.0	0.0
288	129	0.02	20.60	-59.17	0.0	0.0	0.0
288	132	-0.03	-20.85	11.54	0.0	0.0	0.0
288	145	0.05	12.38	-59.44	0.0	0.0	0.0
288	161	0.03	23.36	-63.84	0.0	0.0	0.0
288	164	-0.03	-23.61	16.20	0.0	0.0	0.0
288	177	0.04	12.82	-59.76	0.0	0.0	0.0
288	193	0.03	24.25	-65.09	0.0	0.0	0.0
288	196	-0.03	-24.50	17.46	0.0	0.0	0.0
288	209	0.05	15.43	-66.38	0.0	0.0	0.0
288	225	0.03	29.25	-73.38	0.0	0.0	0.0
288	228	-0.03	-29.49	25.74	0.0	0.0	0.0
288	241	0.25	-0.09	-16.53	0.0	0.0	0.0
288	261	-0.83	0.04	-15.25	0.0	0.0	0.0
288	268	-1.44e-03	0.72	-30.69	0.0	0.0	0.0
288	297	-8.66e-04	-0.06	-16.23	0.0	0.0	0.0
288	298	-1.52e-03	-0.13	-25.08	0.0	0.0	0.0
288	304	-0.17	-0.04	-16.04	0.0	0.0	0.0
288	309	-8.66e-04	-0.06	-16.23	0.0	0.0	0.0
288	310	-1.43e-03	-0.12	-23.82	0.0	0.0	0.0
292	1	0.48	-0.14	-25.43	0.0	0.0	0.0
292	52	4.89e-04	1.03	-55.44	0.0	0.0	0.0
292	93	8.53e-04	-1.14	-14.06	0.0	0.0	0.0
292	113	0.09	10.55	-76.85	0.0	0.0	0.0
292	129	0.01	19.96	-113.97	0.0	0.0	0.0
292	132	-0.01	-20.23	57.40	0.0	0.0	0.0
292	145	0.10	11.97	-83.27	0.0	0.0	0.0
292	161	0.01	22.63	-125.38	0.0	0.0	0.0
292	164	-0.01	-22.91	68.81	0.0	0.0	0.0
292	177	0.10	12.40	-85.08	0.0	0.0	0.0
292	193	0.01	23.50	-129.09	0.0	0.0	0.0
292	196	-0.01	-23.77	72.52	0.0	0.0	0.0
292	209	0.12	14.93	-96.44	0.0	0.0	0.0
292	225	0.02	28.34	-149.74	0.0	0.0	0.0

292	228	-0.01	-28.62	93.17	0.0	0.0	0.0
292	241	0.32	-0.10	-18.58	0.0	0.0	0.0
292	268	3.61e-04	0.69	-38.58	0.0	0.0	0.0
292	285	7.15e-04	-0.79	-16.41	0.0	0.0	0.0
292	297	3.89e-04	-0.07	-18.56	0.0	0.0	0.0
292	298	6.14e-04	-0.15	-29.91	0.0	0.0	0.0
292	308	4.54e-04	-0.21	-18.13	0.0	0.0	0.0
292	309	3.89e-04	-0.07	-18.56	0.0	0.0	0.0
292	310	5.82e-04	-0.14	-28.28	0.0	0.0	0.0
296	1	0.30	-0.07	-14.07	0.0	0.0	0.0
296	52	1.78e-03	0.47	-35.44	0.0	0.0	0.0
296	93	1.48e-03	-0.54	-5.08	0.0	0.0	0.0
296	113	0.08	5.10	-70.90	0.0	0.0	0.0
296	129	0.01	9.65	-119.49	0.0	0.0	0.0
296	132	-8.11e-03	-9.79	86.89	0.0	0.0	0.0
296	145	0.09	5.78	-78.14	0.0	0.0	0.0
296	161	0.01	10.94	-133.23	0.0	0.0	0.0
296	164	-9.23e-03	-11.09	100.63	0.0	0.0	0.0
296	177	0.08	5.99	-80.35	0.0	0.0	0.0
296	193	0.01	11.36	-137.72	0.0	0.0	0.0
296	196	-8.75e-03	-11.50	105.11	0.0	0.0	0.0
296	209	0.10	7.21	-93.30	0.0	0.0	0.0
296	225	0.01	13.70	-162.62	0.0	0.0	0.0
296	228	-0.01	-13.85	130.01	0.0	0.0	0.0
296	241	0.20	-0.05	-10.27	0.0	0.0	0.0
296	268	1.26e-03	0.31	-24.52	0.0	0.0	0.0
296	285	1.32e-03	-0.38	-7.36	0.0	0.0	0.0
296	297	8.49e-04	-0.04	-10.44	0.0	0.0	0.0
296	307	1.18e-03	0.06	-17.53	0.0	0.0	0.0
296	308	9.43e-04	-0.10	-9.83	0.0	0.0	0.0
296	309	8.49e-04	-0.04	-10.44	0.0	0.0	0.0
296	310	1.36e-03	-0.07	-16.30	0.0	0.0	0.0
315	1	-2.92e-05	0.01	-19.42	0.0	0.0	0.0
315	69	1.32e-04	0.29	-8.68	0.0	0.0	0.0
315	76	3.33e-04	-0.03	-41.00	0.0	0.0	0.0
315	113	0.03	1.76	2.76	0.0	0.0	0.0
315	129	0.02	3.38	25.48	0.0	0.0	0.0
315	132	-0.02	-3.32	-68.39	0.0	0.0	0.0
315	145	0.03	1.99	5.97	0.0	0.0	0.0
315	161	0.02	3.83	31.73	0.0	0.0	0.0
315	164	-0.02	-3.77	-74.64	0.0	0.0	0.0
315	177	0.03	2.06	6.92	0.0	0.0	0.0
315	193	0.02	3.97	33.74	0.0	0.0	0.0
315	196	-0.02	-3.91	-76.65	0.0	0.0	0.0
315	209	0.04	2.47	12.65	0.0	0.0	0.0
315	225	0.03	4.78	45.04	0.0	0.0	0.0
315	228	-0.03	-4.72	-87.96	0.0	0.0	0.0
315	241	-1.03e-05	8.10e-03	-14.12	0.0	0.0	0.0
315	273	1.31e-04	0.20	-11.14	0.0	0.0	0.0
315	280	2.31e-04	-0.02	-28.51	0.0	0.0	0.0
315	297	1.12e-04	0.02	-13.98	0.0	0.0	0.0
315	298	1.92e-04	0.03	-22.70	0.0	0.0	0.0
315	306	1.16e-04	0.05	-13.41	0.0	0.0	0.0
315	309	1.12e-04	0.02	-13.98	0.0	0.0	0.0
315	310	1.81e-04	0.03	-21.46	0.0	0.0	0.0
318	1	0.0	0.02	-39.43	0.0	0.0	0.0
318	69	0.0	0.63	-26.30	0.0	0.0	0.0
318	76	0.0	-0.06	-81.80	0.0	0.0	0.0
318	113	0.04	3.53	-44.77	0.0	0.0	0.0
318	138	6.09e-03	-5.46	-45.57	0.0	0.0	0.0
318	139	-6.09e-03	5.58	-42.63	0.0	0.0	0.0
318	145	0.05	3.99	-44.85	0.0	0.0	0.0
318	170	6.81e-03	-6.18	-45.76	0.0	0.0	0.0
318	171	-6.81e-03	6.31	-42.45	0.0	0.0	0.0
318	177	0.04	4.12	-44.81	0.0	0.0	0.0
318	202	6.48e-03	-6.35	-45.77	0.0	0.0	0.0
318	203	-6.48e-03	6.47	-42.43	0.0	0.0	0.0
318	209	0.05	4.94	-44.91	0.0	0.0	0.0
318	234	7.51e-03	-7.56	-46.08	0.0	0.0	0.0
318	235	-7.51e-03	7.69	-42.13	0.0	0.0	0.0
318	241	0.0	0.02	-28.69	0.0	0.0	0.0
318	273	0.0	0.43	-28.50	0.0	0.0	0.0
318	280	0.0	-0.03	-56.93	0.0	0.0	0.0
318	297	0.0	0.04	-28.65	0.0	0.0	0.0
318	298	0.0	0.07	-46.68	0.0	0.0	0.0

318	306	0.0	0.11	-28.62	0.0	0.0	0.0
318	309	0.0	0.04	-28.65	0.0	0.0	0.0
318	310	0.0	0.06	-44.10	0.0	0.0	0.0
324	1	2.92e-05	9.84e-03	-20.04	0.0	0.0	0.0
324	52	-3.59e-04	0.22	-44.51	0.0	0.0	0.0
324	93	-8.92e-05	-0.12	-11.57	0.0	0.0	0.0
324	113	0.01	1.76	-46.54	0.0	0.0	0.0
324	129	-3.12e-03	3.38	-68.63	0.0	0.0	0.0
324	132	2.75e-03	-3.32	23.26	0.0	0.0	0.0
324	145	0.01	1.99	-49.71	0.0	0.0	0.0
324	161	-3.55e-03	3.83	-74.74	0.0	0.0	0.0
324	164	3.19e-03	-3.77	29.37	0.0	0.0	0.0
324	177	0.01	2.06	-50.66	0.0	0.0	0.0
324	193	-3.98e-03	3.97	-76.72	0.0	0.0	0.0
324	196	3.62e-03	-3.91	31.35	0.0	0.0	0.0
324	209	0.02	2.47	-56.31	0.0	0.0	0.0
324	225	-4.85e-03	4.77	-87.79	0.0	0.0	0.0
324	228	4.49e-03	-4.72	42.42	0.0	0.0	0.0
324	241	1.03e-05	7.75e-03	-14.59	0.0	0.0	0.0
324	268	-2.48e-04	0.15	-30.90	0.0	0.0	0.0
324	285	-1.03e-04	-0.08	-13.34	0.0	0.0	0.0
324	297	-1.12e-04	0.02	-14.69	0.0	0.0	0.0
324	298	-1.92e-04	0.03	-24.02	0.0	0.0	0.0
324	308	-1.10e-04	-2.22e-03	-14.42	0.0	0.0	0.0
324	309	-1.12e-04	0.02	-14.69	0.0	0.0	0.0
324	310	-1.81e-04	0.03	-22.69	0.0	0.0	0.0
339	1	0.25	0.18	-11.73	0.0	0.0	0.0
339	69	8.06e-04	1.14	2.03	0.0	0.0	0.0
339	76	1.59e-03	0.24	-25.86	0.0	0.0	0.0
339	113	0.05	5.98	44.96	0.0	0.0	0.0
339	129	0.03	11.31	98.74	0.0	0.0	0.0
339	132	-0.03	-10.74	-124.12	0.0	0.0	0.0
339	145	0.06	6.74	52.60	0.0	0.0	0.0
339	161	0.04	12.77	113.57	0.0	0.0	0.0
339	164	-0.03	-12.20	-138.96	0.0	0.0	0.0
339	177	0.06	6.96	54.89	0.0	0.0	0.0
339	193	0.04	13.24	118.39	0.0	0.0	0.0
339	196	-0.03	-12.68	-143.78	0.0	0.0	0.0
339	209	0.07	8.31	68.55	0.0	0.0	0.0
339	225	0.04	15.90	145.27	0.0	0.0	0.0
339	228	-0.04	-15.33	-170.65	0.0	0.0	0.0
339	241	0.17	0.13	-8.54	0.0	0.0	0.0
339	273	7.51e-04	0.82	-1.77	0.0	0.0	0.0
339	280	1.10e-03	0.17	-17.97	0.0	0.0	0.0
339	297	5.56e-04	0.16	-8.24	0.0	0.0	0.0
339	298	9.50e-04	0.30	-13.43	0.0	0.0	0.0
339	306	5.95e-04	0.30	-6.95	0.0	0.0	0.0
339	309	5.56e-04	0.16	-8.24	0.0	0.0	0.0
339	310	8.94e-04	0.28	-12.69	0.0	0.0	0.0
342	1	0.45	0.36	-21.87	0.0	0.0	0.0
342	69	2.26e-04	2.41	-6.72	0.0	0.0	0.0
342	76	3.28e-04	0.48	-45.17	0.0	0.0	0.0
342	113	0.08	12.34	27.45	0.0	0.0	0.0
342	129	0.03	23.33	75.34	0.0	0.0	0.0
342	132	-0.03	-22.17	-122.76	0.0	0.0	0.0
342	145	0.09	13.90	34.24	0.0	0.0	0.0
342	161	0.04	26.35	88.52	0.0	0.0	0.0
342	164	-0.04	-25.19	-135.94	0.0	0.0	0.0
342	177	0.08	14.36	36.26	0.0	0.0	0.0
342	193	0.04	27.33	92.82	0.0	0.0	0.0
342	196	-0.04	-26.17	-140.23	0.0	0.0	0.0
342	209	0.10	17.15	48.36	0.0	0.0	0.0
342	225	0.04	32.81	116.70	0.0	0.0	0.0
342	228	-0.04	-31.65	-164.12	0.0	0.0	0.0
342	241	0.30	0.26	-15.98	0.0	0.0	0.0
342	273	1.94e-04	1.73	-10.42	0.0	0.0	0.0
342	280	2.28e-04	0.34	-31.51	0.0	0.0	0.0
342	297	1.12e-04	0.33	-15.72	0.0	0.0	0.0
342	298	2.07e-04	0.62	-25.04	0.0	0.0	0.0
342	306	1.28e-04	0.61	-14.66	0.0	0.0	0.0
342	309	1.12e-04	0.33	-15.72	0.0	0.0	0.0
342	310	1.94e-04	0.58	-23.71	0.0	0.0	0.0
348	1	0.40	0.35	-21.30	0.0	0.0	0.0
348	69	-8.35e-04	2.46	-10.44	0.0	0.0	0.0
348	76	-1.61e-03	0.44	-41.65	0.0	0.0	0.0

348	113	0.06	12.69	5.50	0.0	0.0	0.0
348	129	7.12e-03	24.02	31.86	0.0	0.0	0.0
348	132	-8.93e-03	-22.88	-76.92	0.0	0.0	0.0
348	145	0.06	14.30	9.20	0.0	0.0	0.0
348	161	8.07e-03	27.14	39.09	0.0	0.0	0.0
348	164	-9.89e-03	-26.00	-84.15	0.0	0.0	0.0
348	177	0.06	14.77	10.21	0.0	0.0	0.0
348	193	7.66e-03	28.14	41.39	0.0	0.0	0.0
348	196	-9.48e-03	-27.01	-86.45	0.0	0.0	0.0
348	209	0.07	17.64	16.77	0.0	0.0	0.0
348	225	9.09e-03	33.80	54.47	0.0	0.0	0.0
348	228	-0.01	-32.66	-99.53	0.0	0.0	0.0
348	241	0.27	0.26	-15.60	0.0	0.0	0.0
348	273	-7.79e-04	1.77	-12.75	0.0	0.0	0.0
348	280	-1.12e-03	0.32	-29.17	0.0	0.0	0.0
348	297	-5.78e-04	0.32	-15.41	0.0	0.0	0.0
348	298	-9.64e-04	0.61	-23.72	0.0	0.0	0.0
348	306	-6.18e-04	0.61	-14.88	0.0	0.0	0.0
348	309	-5.78e-04	0.32	-15.41	0.0	0.0	0.0
348	310	-9.09e-04	0.57	-22.53	0.0	0.0	0.0
352	1	0.34	0.35	-21.44	0.0	0.0	0.0
352	69	-2.00e-03	2.48	-12.42	0.0	0.0	0.0
352	76	-3.56e-03	0.43	-40.78	0.0	0.0	0.0
352	113	0.04	12.73	-22.82	0.0	0.0	0.0
352	130	0.02	-19.60	-52.04	0.0	0.0	0.0
352	131	-0.03	20.74	7.22	0.0	0.0	0.0
352	145	0.05	14.34	-22.80	0.0	0.0	0.0
352	162	0.03	-22.29	-55.96	0.0	0.0	0.0
352	163	-0.03	23.42	11.13	0.0	0.0	0.0
352	177	0.04	14.82	-22.39	0.0	0.0	0.0
352	194	0.02	-23.18	-57.09	0.0	0.0	0.0
352	195	-0.03	24.32	12.26	0.0	0.0	0.0
352	209	0.05	17.70	-22.11	0.0	0.0	0.0
352	226	0.03	-28.08	-64.10	0.0	0.0	0.0
352	227	-0.03	29.21	19.28	0.0	0.0	0.0
352	241	0.23	0.26	-15.72	0.0	0.0	0.0
352	273	-1.82e-03	1.78	-14.09	0.0	0.0	0.0
352	280	-2.48e-03	0.31	-28.61	0.0	0.0	0.0
352	297	-1.27e-03	0.32	-15.50	0.0	0.0	0.0
352	298	-2.16e-03	0.61	-23.56	0.0	0.0	0.0
352	306	-1.38e-03	0.62	-15.22	0.0	0.0	0.0
352	309	-1.27e-03	0.32	-15.50	0.0	0.0	0.0
352	310	-2.03e-03	0.57	-22.41	0.0	0.0	0.0
356	1	0.26	0.35	-20.96	0.0	0.0	0.0
356	4	0.26	0.98	-39.10	0.0	0.0	0.0
356	45	-0.89	0.65	-12.56	0.0	0.0	0.0
356	113	0.02	12.78	-30.95	0.0	0.0	0.0
356	122	0.03	-7.20	-37.47	0.0	0.0	0.0
356	123	-0.03	8.33	-5.80	0.0	0.0	0.0
356	145	0.02	14.40	-32.06	0.0	0.0	0.0
356	154	0.03	-8.22	-39.45	0.0	0.0	0.0
356	155	-0.04	9.36	-3.82	0.0	0.0	0.0
356	177	0.02	14.88	-31.67	0.0	0.0	0.0
356	186	0.03	-8.49	-39.29	0.0	0.0	0.0
356	187	-0.04	9.62	-3.98	0.0	0.0	0.0
356	209	0.02	17.77	-33.20	0.0	0.0	0.0
356	218	0.03	-10.29	-42.26	0.0	0.0	0.0
356	219	-0.04	11.43	-1.01	0.0	0.0	0.0
356	241	0.17	0.26	-15.37	0.0	0.0	0.0
356	244	0.17	0.68	-27.46	0.0	0.0	0.0
356	261	-0.59	0.56	-14.00	0.0	0.0	0.0
356	297	-1.97e-03	0.33	-15.05	0.0	0.0	0.0
356	298	-3.38e-03	0.61	-22.73	0.0	0.0	0.0
356	304	-0.12	0.37	-14.84	0.0	0.0	0.0
356	309	-1.97e-03	0.33	-15.05	0.0	0.0	0.0
356	310	-3.17e-03	0.57	-21.63	0.0	0.0	0.0
360	1	0.16	0.34	-20.91	0.0	0.0	0.0
360	4	0.15	0.97	-37.96	0.0	0.0	0.0
360	45	-0.55	0.66	-10.33	0.0	0.0	0.0
360	113	0.02	12.75	-52.56	0.0	0.0	0.0
360	121	0.02	5.81	-54.66	0.0	0.0	0.0
360	124	-0.03	-4.68	13.05	0.0	0.0	0.0
360	145	0.02	14.36	-56.49	0.0	0.0	0.0
360	153	0.02	6.52	-58.89	0.0	0.0	0.0
360	156	-0.03	-5.39	17.28	0.0	0.0	0.0

360	177	0.02	14.84	-56.12	0.0	0.0	0.0
360	185	0.02	6.83	-58.43	0.0	0.0	0.0
360	188	-0.03	-5.70	16.81	0.0	0.0	0.0
360	209	0.02	17.72	-62.14	0.0	0.0	0.0
360	217	0.03	8.18	-64.65	0.0	0.0	0.0
360	220	-0.04	-7.06	23.04	0.0	0.0	0.0
360	241	0.11	0.25	-15.32	0.0	0.0	0.0
360	244	0.10	0.67	-26.69	0.0	0.0	0.0
360	261	-0.37	0.56	-12.33	0.0	0.0	0.0
360	297	-3.07e-03	0.32	-14.63	0.0	0.0	0.0
360	298	-5.12e-03	0.60	-21.84	0.0	0.0	0.0
360	304	-0.08	0.37	-14.17	0.0	0.0	0.0
360	309	-3.07e-03	0.32	-14.63	0.0	0.0	0.0
360	310	-4.83e-03	0.56	-20.81	0.0	0.0	0.0
364	1	1.18	0.27	-23.11	0.0	0.0	0.0
364	4	1.66	0.75	-39.27	0.0	0.0	0.0
364	45	-1.44	0.49	-3.64	0.0	0.0	0.0
364	113	8.90	9.52	-118.67	0.0	0.0	0.0
364	121	9.79	4.47	-125.02	0.0	0.0	0.0
364	124	-8.53	-3.61	83.87	0.0	0.0	0.0
364	145	9.91	10.73	-130.86	0.0	0.0	0.0
364	153	10.92	5.02	-138.07	0.0	0.0	0.0
364	156	-9.67	-4.15	96.92	0.0	0.0	0.0
364	177	9.75	11.09	-129.88	0.0	0.0	0.0
364	185	10.76	5.24	-136.76	0.0	0.0	0.0
364	188	-9.50	-4.38	95.61	0.0	0.0	0.0
364	209	11.26	13.24	-148.65	0.0	0.0	0.0
364	217	12.40	6.27	-156.07	0.0	0.0	0.0
364	220	-11.14	-5.41	114.92	0.0	0.0	0.0
364	241	0.83	0.20	-16.84	0.0	0.0	0.0
364	244	1.15	0.52	-27.61	0.0	0.0	0.0
364	261	-0.80	0.42	-7.89	0.0	0.0	0.0
364	297	0.45	0.25	-14.78	0.0	0.0	0.0
364	298	0.66	0.46	-21.54	0.0	0.0	0.0
364	304	0.20	0.28	-13.40	0.0	0.0	0.0
364	309	0.45	0.25	-14.78	0.0	0.0	0.0
364	310	0.63	0.43	-20.57	0.0	0.0	0.0
396	1	0.09	0.30	-14.77	0.0	0.0	0.0
396	45	-0.33	0.48	-5.96	0.0	0.0	0.0
396	52	-9.80e-03	1.88	-25.80	0.0	0.0	0.0
396	113	-0.05	9.88	-56.71	0.0	0.0	0.0
396	129	-0.04	18.59	-58.30	0.0	0.0	0.0
396	132	0.03	-17.67	30.64	0.0	0.0	0.0
396	145	-0.06	11.13	-62.17	0.0	0.0	0.0
396	161	-0.05	21.00	-64.15	0.0	0.0	0.0
396	164	0.04	-20.08	36.50	0.0	0.0	0.0
396	177	-0.06	11.51	-62.51	0.0	0.0	0.0
396	193	-0.05	21.78	-65.71	0.0	0.0	0.0
396	196	0.04	-20.86	38.06	0.0	0.0	0.0
396	209	-0.06	13.74	-71.41	0.0	0.0	0.0
396	225	-0.06	26.16	-76.09	0.0	0.0	0.0
396	228	0.05	-25.24	48.44	0.0	0.0	0.0
396	241	0.06	0.22	-10.85	0.0	0.0	0.0
396	261	-0.22	0.42	-7.70	0.0	0.0	0.0
396	268	-6.78e-03	1.27	-18.19	0.0	0.0	0.0
396	297	-2.91e-03	0.27	-10.12	0.0	0.0	0.0
396	298	-4.79e-03	0.49	-14.45	0.0	0.0	0.0
396	304	-0.05	0.30	-9.63	0.0	0.0	0.0
396	309	-2.91e-03	0.27	-10.12	0.0	0.0	0.0
396	310	-4.52e-03	0.46	-13.83	0.0	0.0	0.0
412	1	0.32	-0.03	-2.10	0.0	0.0	0.0
412	72	-8.49e-03	1.07	9.24	0.0	0.0	0.0
412	89	-5.80e-03	-0.45	-6.16	0.0	0.0	0.0
412	113	0.03	5.77	55.57	0.0	0.0	0.0
412	129	0.02	11.17	108.34	0.0	0.0	0.0
412	132	-0.03	-11.04	-109.39	0.0	0.0	0.0
412	145	0.04	6.53	62.99	0.0	0.0	0.0
412	161	0.02	12.64	122.82	0.0	0.0	0.0
412	164	-0.03	-12.51	-123.88	0.0	0.0	0.0
412	177	0.03	6.74	65.14	0.0	0.0	0.0
412	193	0.02	13.11	127.50	0.0	0.0	0.0
412	196	-0.03	-12.98	-128.55	0.0	0.0	0.0
412	209	0.04	8.08	78.38	0.0	0.0	0.0
412	225	0.02	15.78	153.72	0.0	0.0	0.0
412	228	-0.04	-15.65	-154.78	0.0	0.0	0.0

412	241	0.21	-0.02	-1.62	0.0	0.0	0.0
412	276	-7.25e-03	0.72	5.80	0.0	0.0	0.0
412	285	-4.19e-03	-0.30	-4.33	0.0	0.0	0.0
412	297	-4.09e-03	0.03	-1.24	0.0	0.0	0.0
412	307	-6.71e-03	0.20	0.71	0.0	0.0	0.0
412	308	-4.11e-03	-0.04	-1.86	0.0	0.0	0.0
412	309	-4.09e-03	0.03	-1.24	0.0	0.0	0.0
412	310	-6.75e-03	0.07	-0.53	0.0	0.0	0.0
416	1	0.54	-0.07	-5.10	0.0	0.0	0.0
416	72	-2.35e-03	2.25	4.38	0.0	0.0	0.0
416	89	-2.26e-03	-0.96	-7.80	0.0	0.0	0.0
416	113	0.06	11.88	42.71	0.0	0.0	0.0
416	129	0.03	22.97	85.17	0.0	0.0	0.0
416	132	-0.04	-22.72	-90.69	0.0	0.0	0.0
416	145	0.07	13.43	48.69	0.0	0.0	0.0
416	161	0.04	26.01	96.85	0.0	0.0	0.0
416	164	-0.04	-25.76	-102.38	0.0	0.0	0.0
416	177	0.07	13.86	50.20	0.0	0.0	0.0
416	193	0.03	26.98	100.55	0.0	0.0	0.0
416	196	-0.04	-26.72	-106.08	0.0	0.0	0.0
416	209	0.08	16.62	60.75	0.0	0.0	0.0
416	225	0.04	32.47	121.67	0.0	0.0	0.0
416	228	-0.05	-32.22	-127.19	0.0	0.0	0.0
416	241	0.36	-0.04	-3.92	0.0	0.0	0.0
416	276	-2.11e-03	1.52	1.80	0.0	0.0	0.0
416	285	-1.62e-03	-0.64	-5.72	0.0	0.0	0.0
416	297	-1.40e-03	0.06	-3.50	0.0	0.0	0.0
416	307	-2.21e-03	0.40	-1.87	0.0	0.0	0.0
416	308	-1.45e-03	-0.08	-3.94	0.0	0.0	0.0
416	309	-1.40e-03	0.06	-3.50	0.0	0.0	0.0
416	310	-2.30e-03	0.13	-2.76	0.0	0.0	0.0
420	1	0.44	-0.10	-7.95	0.0	0.0	0.0
420	18	0.74	-0.10	-9.13	0.0	0.0	0.0
420	45	-1.45	0.56	-2.92	0.0	0.0	0.0
420	113	0.07	12.16	-11.70	0.0	0.0	0.0
420	134	0.02	-22.34	-40.41	0.0	0.0	0.0
420	135	-2.95e-03	22.56	29.03	0.0	0.0	0.0
420	145	0.08	13.76	-12.33	0.0	0.0	0.0
420	166	0.02	-25.33	-44.97	0.0	0.0	0.0
420	167	-4.36e-03	25.54	33.59	0.0	0.0	0.0
420	177	0.08	14.20	-11.55	0.0	0.0	0.0
420	198	0.02	-26.25	-46.03	0.0	0.0	0.0
420	199	-4.53e-03	26.47	34.65	0.0	0.0	0.0
420	209	0.09	17.03	-12.09	0.0	0.0	0.0
420	230	0.02	-31.63	-53.98	0.0	0.0	0.0
420	231	-6.58e-03	31.85	42.60	0.0	0.0	0.0
420	241	0.30	-0.07	-6.00	0.0	0.0	0.0
420	251	0.49	-0.06	-6.78	0.0	0.0	0.0
420	261	-0.96	0.39	-3.82	0.0	0.0	0.0
420	297	4.66e-03	0.04	-5.49	0.0	0.0	0.0
420	303	0.10	0.07	-5.86	0.0	0.0	0.0
420	304	-0.19	0.11	-5.16	0.0	0.0	0.0
420	309	4.66e-03	0.04	-5.49	0.0	0.0	0.0
420	310	7.69e-03	0.11	-5.69	0.0	0.0	0.0
424	1	0.30	-0.16	-13.34	0.0	0.0	0.0
424	45	-0.94	0.59	-3.33	0.0	0.0	0.0
424	52	0.03	1.39	-19.32	0.0	0.0	0.0
424	113	0.03	11.97	-54.21	0.0	0.0	0.0
424	125	0.03	3.70	-63.46	0.0	0.0	0.0
424	128	5.04e-03	-3.57	41.99	0.0	0.0	0.0
424	145	0.03	13.54	-59.68	0.0	0.0	0.0
424	157	0.03	4.19	-70.07	0.0	0.0	0.0
424	160	3.80e-03	-4.07	48.61	0.0	0.0	0.0
424	177	0.03	13.96	-59.63	0.0	0.0	0.0
424	189	0.03	4.43	-69.59	0.0	0.0	0.0
424	192	6.29e-03	-4.31	48.13	0.0	0.0	0.0
424	209	0.03	16.74	-68.31	0.0	0.0	0.0
424	221	0.03	5.35	-79.45	0.0	0.0	0.0
424	224	4.79e-03	-5.22	57.98	0.0	0.0	0.0
424	241	0.20	-0.11	-9.87	0.0	0.0	0.0
424	261	-0.62	0.40	-5.37	0.0	0.0	0.0
424	268	0.02	0.93	-13.85	0.0	0.0	0.0
424	297	0.01	9.51e-03	-8.83	0.0	0.0	0.0
424	304	-0.12	0.09	-8.14	0.0	0.0	0.0
424	307	0.02	0.34	-11.14	0.0	0.0	0.0

424	309	0.01	9.51e-03	-8.83	0.0	0.0	0.0
424	310	0.02	0.06	-10.73	0.0	0.0	0.0
428	1	1.29	-0.77	-42.27	0.0	0.0	0.0
428	28	-0.67	-1.44	-88.48	0.0	0.0	0.0
428	69	0.33	-0.19	-24.94	0.0	0.0	0.0
428	113	13.38	0.87	7.96	0.0	0.0	0.0
428	125	18.91	-0.11	21.75	0.0	0.0	0.0
428	128	-17.84	-1.48	-115.58	0.0	0.0	0.0
428	145	14.95	1.09	14.93	0.0	0.0	0.0
428	157	21.19	-0.02	30.40	0.0	0.0	0.0
428	160	-20.12	-1.57	-124.22	0.0	0.0	0.0
428	177	14.64	1.14	15.25	0.0	0.0	0.0
428	189	20.87	0.01	29.95	0.0	0.0	0.0
428	192	-19.80	-1.60	-123.77	0.0	0.0	0.0
428	209	16.95	1.53	26.57	0.0	0.0	0.0
428	221	24.18	0.17	42.94	0.0	0.0	0.0
428	224	-23.11	-1.76	-136.76	0.0	0.0	0.0
428	241	0.89	-0.56	-31.08	0.0	0.0	0.0
428	256	-0.42	-1.01	-61.89	0.0	0.0	0.0
428	273	0.35	-0.34	-28.79	0.0	0.0	0.0
428	297	0.33	-0.57	-32.28	0.0	0.0	0.0
428	298	0.57	-0.83	-49.35	0.0	0.0	0.0
428	306	0.33	-0.52	-31.58	0.0	0.0	0.0
428	309	0.33	-0.57	-32.28	0.0	0.0	0.0
428	310	0.53	-0.80	-46.91	0.0	0.0	0.0
460	1	8.70e-03	1.09	-18.74	0.0	0.0	0.0
460	52	0.02	2.77	-39.15	0.0	0.0	0.0
460	93	6.16e-03	0.38	-11.17	0.0	0.0	0.0
460	113	0.03	5.41	-18.02	0.0	0.0	0.0
460	138	0.03	-5.85	28.37	0.0	0.0	0.0
460	139	-5.99e-03	8.36	-68.94	0.0	0.0	0.0
460	145	0.03	5.96	-17.86	0.0	0.0	0.0
460	170	0.03	-6.78	34.72	0.0	0.0	0.0
460	171	-7.98e-03	9.29	-75.30	0.0	0.0	0.0
460	177	0.03	6.10	-18.62	0.0	0.0	0.0
460	194	0.03	-6.84	36.12	0.0	0.0	0.0
460	195	-7.03e-03	9.35	-76.69	0.0	0.0	0.0
460	209	0.04	7.07	-18.85	0.0	0.0	0.0
460	226	0.03	-8.51	47.50	0.0	0.0	0.0
460	227	-0.01	11.02	-88.07	0.0	0.0	0.0
460	241	6.28e-03	0.80	-13.77	0.0	0.0	0.0
460	268	0.01	1.92	-27.38	0.0	0.0	0.0
460	285	6.45e-03	0.57	-12.76	0.0	0.0	0.0
460	297	6.06e-03	0.85	-14.13	0.0	0.0	0.0
460	298	0.01	1.32	-21.31	0.0	0.0	0.0
460	308	6.14e-03	0.79	-13.85	0.0	0.0	0.0
460	309	6.06e-03	0.85	-14.13	0.0	0.0	0.0
460	310	9.83e-03	1.25	-20.29	0.0	0.0	0.0
464	1	-4.15e-03	0.07	-12.30	0.0	0.0	0.0
464	52	-8.26e-03	0.44	-28.31	0.0	0.0	0.0
464	93	-2.86e-03	-0.14	-5.50	0.0	0.0	0.0
464	113	0.02	2.11	-49.47	0.0	0.0	0.0
464	137	0.01	4.08	-82.89	0.0	0.0	0.0
464	140	-0.02	-3.86	55.93	0.0	0.0	0.0
464	145	0.02	2.37	-54.17	0.0	0.0	0.0
464	169	0.01	4.60	-92.00	0.0	0.0	0.0
464	172	-0.02	-4.39	65.04	0.0	0.0	0.0
464	177	0.02	2.44	-55.20	0.0	0.0	0.0
464	201	0.01	4.71	-94.02	0.0	0.0	0.0
464	204	-0.02	-4.50	67.06	0.0	0.0	0.0
464	209	0.02	2.90	-63.37	0.0	0.0	0.0
464	233	0.01	5.59	-109.28	0.0	0.0	0.0
464	236	-0.02	-5.38	82.31	0.0	0.0	0.0
464	241	-2.99e-03	0.05	-9.04	0.0	0.0	0.0
464	268	-5.73e-03	0.30	-19.71	0.0	0.0	0.0
464	285	-2.99e-03	-0.07	-7.18	0.0	0.0	0.0
464	297	-2.80e-03	0.06	-9.33	0.0	0.0	0.0
464	307	-4.53e-03	0.16	-14.34	0.0	0.0	0.0
464	308	-2.84e-03	0.03	-8.90	0.0	0.0	0.0
464	309	-2.80e-03	0.06	-9.33	0.0	0.0	0.0
464	310	-4.60e-03	0.11	-13.48	0.0	0.0	0.0
475	1	-8.82e-04	-1.40	-9.73	0.0	0.0	0.0
475	69	-6.41e-04	-0.34	-1.98	0.0	0.0	0.0
475	76	-1.69e-03	-2.88	-19.01	0.0	0.0	0.0
475	113	0.03	0.80	21.25	0.0	0.0	0.0

475	141	0.02	3.09	51.18	0.0	0.0	0.0
475	144	-0.02	-6.13	-71.27	0.0	0.0	0.0
475	145	0.03	1.11	25.39	0.0	0.0	0.0
475	173	0.02	3.69	59.20	0.0	0.0	0.0
475	176	-0.02	-6.73	-79.29	0.0	0.0	0.0
475	177	0.03	1.20	26.61	0.0	0.0	0.0
475	205	0.02	3.82	60.86	0.0	0.0	0.0
475	208	-0.02	-6.85	-80.95	0.0	0.0	0.0
475	209	0.03	1.75	33.97	0.0	0.0	0.0
475	237	0.02	4.82	74.19	0.0	0.0	0.0
475	240	-0.02	-7.86	-94.28	0.0	0.0	0.0
475	241	-6.41e-04	-1.04	-7.22	0.0	0.0	0.0
475	273	-6.66e-04	-0.64	-4.08	0.0	0.0	0.0
475	280	-1.18e-03	-2.03	-13.41	0.0	0.0	0.0
475	297	-6.24e-04	-1.11	-7.48	0.0	0.0	0.0
475	298	-9.78e-04	-1.59	-10.47	0.0	0.0	0.0
475	306	-6.33e-04	-1.02	-6.80	0.0	0.0	0.0
475	309	-6.24e-04	-1.11	-7.48	0.0	0.0	0.0
475	310	-9.27e-04	-1.52	-10.04	0.0	0.0	0.0
478	1	0.73	1.28	-22.48	0.0	0.0	0.0
478	19	0.85	0.82	-12.91	0.0	0.0	0.0
478	28	-0.03	2.46	-50.19	0.0	0.0	0.0
478	113	4.31	3.37	1.93	0.0	0.0	0.0
478	122	8.89	1.48	56.27	0.0	0.0	0.0
478	123	-8.12	1.19	-107.11	0.0	0.0	0.0
478	145	4.78	3.64	5.07	0.0	0.0	0.0
478	154	9.94	1.48	66.51	0.0	0.0	0.0
478	155	-9.18	1.18	-117.35	0.0	0.0	0.0
478	177	4.66	3.71	3.25	0.0	0.0	0.0
478	186	9.79	1.43	65.74	0.0	0.0	0.0
478	187	-9.03	1.24	-116.58	0.0	0.0	0.0
478	209	5.34	4.19	7.22	0.0	0.0	0.0
478	218	11.34	1.39	81.14	0.0	0.0	0.0
478	219	-10.57	1.28	-131.98	0.0	0.0	0.0
478	241	0.51	0.95	-16.83	0.0	0.0	0.0
478	248	0.67	0.92	-15.53	0.0	0.0	0.0
478	256	2.30e-03	1.74	-35.30	0.0	0.0	0.0
478	297	0.27	1.00	-18.77	0.0	0.0	0.0
478	302	0.35	0.98	-18.12	0.0	0.0	0.0
478	305	0.22	1.37	-26.72	0.0	0.0	0.0
478	309	0.27	1.00	-18.77	0.0	0.0	0.0
478	310	0.38	1.33	-25.42	0.0	0.0	0.0
492	1	1.20	1.21e-03	-9.90	0.0	0.0	0.0
492	16	1.75	5.68e-05	-12.55	0.0	0.0	0.0
492	47	-1.85	0.01	5.46	0.0	0.0	0.0
492	113	8.14	8.24e-03	-46.92	0.0	0.0	0.0
492	122	17.43	-0.03	-99.35	0.0	0.0	0.0
492	123	-16.43	0.03	89.53	0.0	0.0	0.0
492	145	9.06	8.90e-03	-51.96	0.0	0.0	0.0
492	154	19.53	-0.03	-111.10	0.0	0.0	0.0
492	155	-18.53	0.04	101.28	0.0	0.0	0.0
492	177	8.79	9.51e-03	-50.43	0.0	0.0	0.0
492	186	19.25	-0.03	-109.60	0.0	0.0	0.0
492	187	-18.25	0.04	99.77	0.0	0.0	0.0
492	209	10.10	0.01	-57.58	0.0	0.0	0.0
492	218	22.34	-0.04	-126.84	0.0	0.0	0.0
492	219	-21.33	0.05	117.01	0.0	0.0	0.0
492	241	0.83	1.01e-03	-7.28	0.0	0.0	0.0
492	249	1.20	2.45e-04	-9.05	0.0	0.0	0.0
492	263	-1.10	9.08e-03	1.86	0.0	0.0	0.0
492	297	0.34	2.50e-03	-5.27	0.0	0.0	0.0
492	302	0.50	2.01e-03	-5.94	0.0	0.0	0.0
492	305	0.18	4.87e-03	-3.57	0.0	0.0	0.0
492	309	0.34	2.50e-03	-5.27	0.0	0.0	0.0
492	310	0.50	3.88e-03	-4.91	0.0	0.0	0.0
496	1	1.24	-4.25e-03	-10.83	0.0	0.0	0.0
496	18	2.09	-7.10e-03	-13.59	0.0	0.0	0.0
496	45	-2.19	0.01	-2.01	0.0	0.0	0.0
496	113	8.47	3.56e-04	-26.93	0.0	0.0	0.0
496	122	18.14	-0.03	-49.58	0.0	0.0	0.0
496	123	-17.10	0.02	34.36	0.0	0.0	0.0
496	145	9.43	5.22e-04	-29.26	0.0	0.0	0.0
496	154	20.33	-0.03	-54.79	0.0	0.0	0.0
496	155	-19.29	0.03	39.58	0.0	0.0	0.0
496	177	9.15	4.54e-04	-28.63	0.0	0.0	0.0

496	186	20.04	-0.03	-54.07	0.0	0.0	0.0
496	187	-19.00	0.03	38.86	0.0	0.0	0.0
496	209	10.52	7.42e-04	-31.97	0.0	0.0	0.0
496	218	23.24	-0.03	-61.70	0.0	0.0	0.0
496	219	-22.21	0.03	46.48	0.0	0.0	0.0
496	241	0.86	-2.90e-03	-8.06	0.0	0.0	0.0
496	251	1.43	-4.80e-03	-9.90	0.0	0.0	0.0
496	261	-1.33	6.56e-03	-3.80	0.0	0.0	0.0
496	297	0.35	-7.16e-04	-7.08	0.0	0.0	0.0
496	303	0.69	-1.74e-03	-7.94	0.0	0.0	0.0
496	304	0.02	7.40e-04	-6.42	0.0	0.0	0.0
496	309	0.35	-7.16e-04	-7.08	0.0	0.0	0.0
496	310	0.52	-1.01e-03	-7.61	0.0	0.0	0.0
500	1	1.27	-8.74e-03	-12.66	0.0	0.0	0.0
500	4	1.76	-0.02	-17.65	0.0	0.0	0.0
500	45	-2.22	7.55e-03	-6.08	0.0	0.0	0.0
500	113	8.57	-0.11	-23.47	0.0	0.0	0.0
500	125	17.38	-0.07	-31.46	0.0	0.0	0.0
500	128	-16.30	0.06	10.48	0.0	0.0	0.0
500	145	9.54	-0.12	-25.04	0.0	0.0	0.0
500	157	19.46	-0.08	-34.07	0.0	0.0	0.0
500	160	-18.39	0.07	13.09	0.0	0.0	0.0
500	177	9.26	-0.12	-24.66	0.0	0.0	0.0
500	189	19.12	-0.08	-33.72	0.0	0.0	0.0
500	192	-18.05	0.07	12.75	0.0	0.0	0.0
500	209	10.65	-0.15	-26.98	0.0	0.0	0.0
500	221	22.13	-0.10	-37.52	0.0	0.0	0.0
500	224	-21.05	0.09	16.55	0.0	0.0	0.0
500	241	0.88	-6.14e-03	-9.44	0.0	0.0	0.0
500	244	1.20	-0.01	-12.76	0.0	0.0	0.0
500	261	-1.34	3.52e-03	-7.22	0.0	0.0	0.0
500	297	0.37	-3.91e-03	-8.92	0.0	0.0	0.0
500	301	0.55	-6.39e-03	-10.78	0.0	0.0	0.0
500	304	0.03	-2.42e-03	-8.58	0.0	0.0	0.0
500	309	0.37	-3.91e-03	-8.92	0.0	0.0	0.0
500	310	0.54	-6.22e-03	-10.49	0.0	0.0	0.0
504	1	1.30	-0.01	-15.36	0.0	0.0	0.0
504	45	-2.20	8.18e-03	-9.49	0.0	0.0	0.0
504	52	1.11	-0.05	-23.59	0.0	0.0	0.0
504	113	8.69	-0.29	-23.24	0.0	0.0	0.0
504	141	7.59	-0.52	-30.27	0.0	0.0	0.0
504	144	-6.45	0.50	2.47	0.0	0.0	0.0
504	145	9.67	-0.32	-24.46	0.0	0.0	0.0
504	173	8.45	-0.59	-32.41	0.0	0.0	0.0
504	176	-7.31	0.57	4.61	0.0	0.0	0.0
504	177	9.40	-0.34	-24.71	0.0	0.0	0.0
504	205	8.19	-0.60	-32.82	0.0	0.0	0.0
504	208	-7.06	0.59	5.01	0.0	0.0	0.0
504	209	10.80	-0.40	-26.82	0.0	0.0	0.0
504	237	9.38	-0.72	-36.35	0.0	0.0	0.0
504	240	-8.25	0.70	8.55	0.0	0.0	0.0
504	241	0.90	-7.60e-03	-11.43	0.0	0.0	0.0
504	261	-1.32	3.38e-03	-10.35	0.0	0.0	0.0
504	268	0.77	-0.03	-16.91	0.0	0.0	0.0
504	297	0.39	-5.07e-03	-11.18	0.0	0.0	0.0
504	298	0.60	-0.01	-14.35	0.0	0.0	0.0
504	304	0.05	-3.38e-03	-11.02	0.0	0.0	0.0
504	309	0.39	-5.07e-03	-11.18	0.0	0.0	0.0
504	310	0.57	-9.54e-03	-13.90	0.0	0.0	0.0
508	1	1.32	0.68	-24.15	0.0	0.0	0.0
508	52	1.20	0.93	-40.30	0.0	0.0	0.0
508	93	0.34	0.40	-15.47	0.0	0.0	0.0
508	113	8.69	2.98	-38.64	0.0	0.0	0.0
508	129	-1.80	5.30	-53.67	0.0	0.0	0.0
508	132	3.03	-4.20	8.14	0.0	0.0	0.0
508	145	9.66	3.30	-40.73	0.0	0.0	0.0
508	161	-2.11	5.93	-57.78	0.0	0.0	0.0
508	164	3.35	-4.83	12.24	0.0	0.0	0.0
508	177	9.38	3.39	-41.27	0.0	0.0	0.0
508	193	-2.18	6.12	-59.05	0.0	0.0	0.0
508	196	3.41	-5.02	13.52	0.0	0.0	0.0
508	209	10.77	3.96	-44.96	0.0	0.0	0.0
508	225	-2.77	7.26	-66.46	0.0	0.0	0.0
508	228	4.00	-6.16	20.92	0.0	0.0	0.0
508	241	0.92	0.50	-17.92	0.0	0.0	0.0

508	268	0.84	0.67	-28.69	0.0	0.0	0.0
508	285	0.39	0.43	-16.73	0.0	0.0	0.0
508	297	0.42	0.45	-17.66	0.0	0.0	0.0
508	298	0.65	0.57	-23.62	0.0	0.0	0.0
508	308	0.42	0.44	-17.48	0.0	0.0	0.0
508	309	0.42	0.45	-17.66	0.0	0.0	0.0
508	310	0.62	0.55	-22.77	0.0	0.0	0.0
512	1	1.38	-0.01	-25.75	0.0	0.0	0.0
512	19	1.69	-4.93e-03	-17.08	0.0	0.0	0.0
512	28	-0.29	-0.03	-48.05	0.0	0.0	0.0
512	113	8.68	-0.56	-22.42	0.0	0.0	0.0
512	134	10.69	0.98	16.11	0.0	0.0	0.0
512	135	-9.36	-1.01	-69.13	0.0	0.0	0.0
512	145	9.64	-0.63	-22.05	0.0	0.0	0.0
512	166	11.94	1.11	21.71	0.0	0.0	0.0
512	167	-10.61	-1.14	-74.74	0.0	0.0	0.0
512	177	9.37	-0.64	-22.90	0.0	0.0	0.0
512	198	11.83	1.15	23.11	0.0	0.0	0.0
512	199	-10.51	-1.18	-76.14	0.0	0.0	0.0
512	209	10.75	-0.77	-22.80	0.0	0.0	0.0
512	230	13.78	1.39	32.95	0.0	0.0	0.0
512	231	-12.45	-1.42	-85.98	0.0	0.0	0.0
512	241	0.96	-7.14e-03	-19.13	0.0	0.0	0.0
512	248	1.30	-6.58e-03	-18.67	0.0	0.0	0.0
512	256	-0.15	-0.02	-33.99	0.0	0.0	0.0
512	297	0.46	-7.98e-03	-19.81	0.0	0.0	0.0
512	298	0.70	-0.02	-27.63	0.0	0.0	0.0
512	302	0.63	-7.70e-03	-19.58	0.0	0.0	0.0
512	309	0.46	-7.98e-03	-19.81	0.0	0.0	0.0
512	310	0.66	-0.02	-26.51	0.0	0.0	0.0
517	1	0.59	-0.64	-4.48	0.0	0.0	0.0
517	69	-5.25e-03	0.13	1.11	0.0	0.0	0.0
517	92	4.46e-03	-1.40	-9.14	0.0	0.0	0.0
517	113	0.03	2.24	30.41	0.0	0.0	0.0
517	129	0.04	5.03	63.43	0.0	0.0	0.0
517	132	-0.04	-6.43	-72.45	0.0	0.0	0.0
517	145	0.04	2.62	35.03	0.0	0.0	0.0
517	161	0.05	5.79	72.47	0.0	0.0	0.0
517	164	-0.05	-7.19	-81.49	0.0	0.0	0.0
517	177	0.04	2.73	36.40	0.0	0.0	0.0
517	193	0.05	6.03	75.40	0.0	0.0	0.0
517	196	-0.04	-7.42	-84.42	0.0	0.0	0.0
517	209	0.04	3.42	44.64	0.0	0.0	0.0
517	225	0.05	7.40	91.76	0.0	0.0	0.0
517	228	-0.05	-8.80	-100.79	0.0	0.0	0.0
517	241	0.40	-0.48	-3.38	0.0	0.0	0.0
517	273	-3.33e-03	-0.11	-0.59	0.0	0.0	0.0
517	288	2.97e-03	-0.99	-6.49	0.0	0.0	0.0
517	297	3.59e-04	-0.55	-3.70	0.0	0.0	0.0
517	305	-0.26	-0.75	-4.72	0.0	0.0	0.0
517	306	-3.79e-04	-0.47	-3.07	0.0	0.0	0.0
517	309	3.59e-04	-0.55	-3.70	0.0	0.0	0.0
517	310	9.60e-04	-0.70	-4.51	0.0	0.0	0.0
547	1	-0.02	-3.41e-04	-30.75	0.0	0.0	0.0
547	4	-0.37	-6.04e-04	-57.48	0.0	0.0	0.0
547	45	-1.52	2.06e-05	-14.82	0.0	0.0	0.0
547	113	4.10	0.02	-44.65	0.0	0.0	0.0
547	122	9.79	-6.49e-03	-59.05	0.0	0.0	0.0
547	123	-10.61	5.91e-03	-2.51	0.0	0.0	0.0
547	145	4.64	0.02	-46.34	0.0	0.0	0.0
547	154	11.05	-7.33e-03	-62.54	0.0	0.0	0.0
547	155	-11.88	6.75e-03	0.99	0.0	0.0	0.0
547	177	4.48	0.02	-45.99	0.0	0.0	0.0
547	186	10.89	-7.69e-03	-61.93	0.0	0.0	0.0
547	187	-11.72	7.11e-03	0.37	0.0	0.0	0.0
547	209	5.24	0.03	-48.49	0.0	0.0	0.0
547	218	12.75	-9.24e-03	-66.98	0.0	0.0	0.0
547	219	-13.58	8.65e-03	5.43	0.0	0.0	0.0
547	241	-0.04	-2.44e-04	-22.41	0.0	0.0	0.0
547	244	-0.27	-4.19e-04	-40.24	0.0	0.0	0.0
547	261	-1.12	-6.43e-05	-17.94	0.0	0.0	0.0
547	297	-0.29	-2.03e-04	-21.38	0.0	0.0	0.0
547	298	-0.43	-3.08e-04	-32.34	0.0	0.0	0.0
547	304	-0.46	-1.75e-04	-20.70	0.0	0.0	0.0
547	309	-0.29	-2.03e-04	-21.38	0.0	0.0	0.0

547	310	-0.41	-2.93e-04	-30.78	0.0	0.0	0.0
550	1	-0.02	-1.27e-04	-44.26	0.0	0.0	0.0
550	19	0.74	-6.97e-05	-29.82	0.0	0.0	0.0
550	28	-3.03	-3.24e-04	-87.02	0.0	0.0	0.0
550	113	8.20	0.03	-35.50	0.0	0.0	0.0
550	122	19.56	-8.65e-03	-16.02	0.0	0.0	0.0
550	123	-21.21	8.33e-03	-78.78	0.0	0.0	0.0
550	145	9.28	0.04	-34.11	0.0	0.0	0.0
550	154	22.10	-9.77e-03	-12.10	0.0	0.0	0.0
550	155	-23.75	9.46e-03	-82.69	0.0	0.0	0.0
550	177	8.95	0.04	-34.79	0.0	0.0	0.0
550	186	21.78	-0.01	-12.55	0.0	0.0	0.0
550	187	-23.42	9.74e-03	-82.24	0.0	0.0	0.0
550	209	10.48	0.04	-32.94	0.0	0.0	0.0
550	218	25.50	-0.01	-6.73	0.0	0.0	0.0
550	219	-27.15	0.01	-88.06	0.0	0.0	0.0
550	241	-0.06	-9.32e-05	-32.43	0.0	0.0	0.0
550	248	0.28	-8.63e-05	-32.23	0.0	0.0	0.0
550	256	-2.07	-2.24e-04	-60.94	0.0	0.0	0.0
550	297	-0.58	-1.03e-04	-32.74	0.0	0.0	0.0
550	298	-0.86	-1.65e-04	-49.84	0.0	0.0	0.0
550	302	-0.41	-1.00e-04	-32.64	0.0	0.0	0.0
550	309	-0.58	-1.03e-04	-32.74	0.0	0.0	0.0
550	310	-0.82	-1.57e-04	-47.40	0.0	0.0	0.0
556	1	0.03	9.54e-05	-22.31	0.0	0.0	0.0
556	19	0.77	4.91e-05	-14.72	0.0	0.0	0.0
556	28	-2.91	2.60e-04	-45.63	0.0	0.0	0.0
556	113	8.22	2.91e-03	-15.72	0.0	0.0	0.0
556	122	19.52	-0.03	-2.98	0.0	0.0	0.0
556	123	-21.04	0.03	-46.21	0.0	0.0	0.0
556	145	9.30	3.25e-03	-14.66	0.0	0.0	0.0
556	154	22.04	-0.03	-0.29	0.0	0.0	0.0
556	155	-23.57	0.03	-48.90	0.0	0.0	0.0
556	177	8.97	3.22e-03	-15.07	0.0	0.0	0.0
556	186	21.72	-0.03	-0.60	0.0	0.0	0.0
556	187	-23.25	0.03	-48.59	0.0	0.0	0.0
556	209	10.49	4.10e-03	-13.63	0.0	0.0	0.0
556	218	25.42	-0.04	3.38	0.0	0.0	0.0
556	219	-26.95	0.04	-52.57	0.0	0.0	0.0
556	241	-0.03	7.00e-05	-16.38	0.0	0.0	0.0
556	248	0.31	6.35e-05	-16.13	0.0	0.0	0.0
556	256	-1.98	1.80e-04	-31.92	0.0	0.0	0.0
556	297	-0.53	7.98e-05	-16.75	0.0	0.0	0.0
556	298	-0.80	1.30e-04	-25.90	0.0	0.0	0.0
556	302	-0.36	7.66e-05	-16.62	0.0	0.0	0.0
556	309	-0.53	7.98e-05	-16.75	0.0	0.0	0.0
556	310	-0.76	1.23e-04	-24.60	0.0	0.0	0.0
560	1	0.10	1.88e-04	-11.17	0.0	0.0	0.0
560	19	0.82	8.78e-05	-7.40	0.0	0.0	0.0
560	28	-2.77	5.48e-04	-23.15	0.0	0.0	0.0
560	113	8.22	2.01e-03	-9.98	0.0	0.0	0.0
560	122	19.41	-0.03	-6.37	0.0	0.0	0.0
560	123	-20.79	0.03	-18.87	0.0	0.0	0.0
560	145	9.29	2.24e-03	-9.66	0.0	0.0	0.0
560	154	21.91	-0.03	-5.59	0.0	0.0	0.0
560	155	-23.29	0.03	-19.65	0.0	0.0	0.0
560	177	8.96	2.28e-03	-9.78	0.0	0.0	0.0
560	186	21.59	-0.03	-5.68	0.0	0.0	0.0
560	187	-22.97	0.03	-19.55	0.0	0.0	0.0
560	209	10.47	3.00e-03	-9.34	0.0	0.0	0.0
560	218	25.26	-0.04	-4.54	0.0	0.0	0.0
560	219	-26.64	0.04	-20.70	0.0	0.0	0.0
560	241	0.03	1.39e-04	-8.20	0.0	0.0	0.0
560	248	0.37	1.22e-04	-8.09	0.0	0.0	0.0
560	256	-1.89	3.79e-04	-16.20	0.0	0.0	0.0
560	297	-0.48	1.64e-04	-8.38	0.0	0.0	0.0
560	298	-0.72	2.66e-04	-13.33	0.0	0.0	0.0
560	302	-0.31	1.55e-04	-8.32	0.0	0.0	0.0
560	309	-0.48	1.64e-04	-8.38	0.0	0.0	0.0
560	310	-0.69	2.51e-04	-12.62	0.0	0.0	0.0
564	1	0.15	1.28e-04	-6.71	0.0	0.0	0.0
564	19	0.84	5.49e-05	-4.21	0.0	0.0	0.0
564	28	-2.66	3.91e-04	-15.18	0.0	0.0	0.0
564	113	8.20	1.17e-03	-4.47	0.0	0.0	0.0
564	122	19.29	-0.03	-6.22e-03	0.0	0.0	0.0

564	123	-20.56	0.03	-16.19	0.0	0.0	0.0
564	145	9.26	1.31e-03	-4.04	0.0	0.0	0.0
564	154	21.77	-0.03	1.00	0.0	0.0	0.0
564	155	-23.04	0.03	-17.19	0.0	0.0	0.0
564	177	8.93	1.41e-03	-4.17	0.0	0.0	0.0
564	186	21.45	-0.03	0.87	0.0	0.0	0.0
564	187	-22.73	0.03	-17.06	0.0	0.0	0.0
564	209	10.43	2.00e-03	-3.55	0.0	0.0	0.0
564	218	25.09	-0.04	2.34	0.0	0.0	0.0
564	219	-26.37	0.04	-18.54	0.0	0.0	0.0
564	241	0.06	9.45e-05	-4.95	0.0	0.0	0.0
564	248	0.39	8.09e-05	-4.77	0.0	0.0	0.0
564	256	-1.81	2.70e-04	-10.60	0.0	0.0	0.0
564	297	-0.44	1.15e-04	-5.23	0.0	0.0	0.0
564	298	-0.67	1.86e-04	-8.57	0.0	0.0	0.0
564	302	-0.28	1.08e-04	-5.14	0.0	0.0	0.0
564	309	-0.44	1.15e-04	-5.23	0.0	0.0	0.0
564	310	-0.64	1.76e-04	-8.10	0.0	0.0	0.0
568	1	0.16	-5.15e-05	-3.31	0.0	0.0	0.0
568	20	0.76	-2.15e-05	-0.42	0.0	0.0	0.0
568	43	-3.34	-2.00e-04	-14.49	0.0	0.0	0.0
568	113	7.90	-1.20e-04	13.82	0.0	0.0	0.0
568	122	18.59	-6.78e-03	38.13	0.0	0.0	0.0
568	123	-19.80	6.62e-03	-49.88	0.0	0.0	0.0
568	145	8.93	-1.02e-04	16.18	0.0	0.0	0.0
568	154	20.98	-7.68e-03	43.61	0.0	0.0	0.0
568	155	-22.19	7.51e-03	-55.35	0.0	0.0	0.0
568	177	8.61	5.64e-05	15.47	0.0	0.0	0.0
568	186	20.67	-7.93e-03	42.90	0.0	0.0	0.0
568	187	-21.88	7.76e-03	-54.64	0.0	0.0	0.0
568	209	10.06	4.65e-04	18.84	0.0	0.0	0.0
568	218	24.18	-9.54e-03	50.93	0.0	0.0	0.0
568	219	-25.39	9.38e-03	-62.67	0.0	0.0	0.0
568	241	0.07	-3.86e-05	-2.55	0.0	0.0	0.0
568	249	0.35	-3.49e-05	-1.65	0.0	0.0	0.0
568	263	-2.26	-1.38e-04	-10.00	0.0	0.0	0.0
568	297	-0.42	-5.33e-05	-3.68	0.0	0.0	0.0
568	302	-0.26	-4.84e-05	-3.31	0.0	0.0	0.0
568	305	-0.93	-9.36e-05	-6.63	0.0	0.0	0.0
568	309	-0.42	-5.33e-05	-3.68	0.0	0.0	0.0
568	310	-0.60	-8.38e-05	-5.87	0.0	0.0	0.0
572	1	0.07	1.09e-04	0.49	0.0	0.0	0.0
572	20	0.36	1.84e-04	3.32	0.0	0.0	0.0
572	43	-1.57	-3.89e-04	-13.98	0.0	0.0	0.0
572	113	3.82	-8.07e-03	31.78	0.0	0.0	0.0
572	122	8.99	-0.01	74.83	0.0	0.0	0.0
572	123	-9.56	0.01	-80.52	0.0	0.0	0.0
572	145	4.32	-9.05e-03	35.93	0.0	0.0	0.0
572	154	10.14	-0.01	84.49	0.0	0.0	0.0
572	155	-10.71	0.01	-90.18	0.0	0.0	0.0
572	177	4.17	-8.87e-03	34.68	0.0	0.0	0.0
572	186	9.99	-0.01	83.25	0.0	0.0	0.0
572	187	-10.56	0.01	-88.94	0.0	0.0	0.0
572	209	4.86	-0.01	40.58	0.0	0.0	0.0
572	218	11.68	-0.02	97.42	0.0	0.0	0.0
572	219	-12.26	0.02	-103.11	0.0	0.0	0.0
572	241	0.03	7.27e-05	0.16	0.0	0.0	0.0
572	249	0.16	1.23e-04	1.55	0.0	0.0	0.0
572	263	-1.07	-2.59e-04	-9.49	0.0	0.0	0.0
572	297	-0.20	0.0	-1.78	0.0	0.0	0.0
572	302	-0.12	2.47e-05	-1.13	0.0	0.0	0.0
572	305	-0.44	-6.45e-05	-4.14	0.0	0.0	0.0
572	309	-0.20	0.0	-1.78	0.0	0.0	0.0
572	310	-0.29	-1.65e-05	-2.84	0.0	0.0	0.0
604	1	0.24	-9.03e-03	-16.91	0.0	0.0	0.0
604	45	-2.75	3.05e-04	-7.01	0.0	0.0	0.0
604	52	-0.93	-0.03	-29.71	0.0	0.0	0.0
604	113	12.54	-0.13	-67.74	0.0	0.0	0.0
604	141	2.82	-0.20	-77.81	0.0	0.0	0.0
604	144	-3.67	0.18	46.23	0.0	0.0	0.0
604	145	14.11	-0.14	-74.37	0.0	0.0	0.0
604	173	3.22	-0.22	-85.90	0.0	0.0	0.0
604	176	-4.07	0.21	54.31	0.0	0.0	0.0
604	177	13.78	-0.15	-74.93	0.0	0.0	0.0
604	205	3.21	-0.23	-87.31	0.0	0.0	0.0

604	208	-4.06	0.21	55.73	0.0	0.0	0.0
604	209	16.08	-0.17	-85.84	0.0	0.0	0.0
604	237	3.81	-0.27	-100.57	0.0	0.0	0.0
604	240	-4.66	0.25	68.99	0.0	0.0	0.0
604	241	0.12	-6.47e-03	-12.41	0.0	0.0	0.0
604	261	-1.97	-1.87e-03	-8.96	0.0	0.0	0.0
604	268	-0.66	-0.02	-20.94	0.0	0.0	0.0
604	297	-0.36	-5.41e-03	-11.62	0.0	0.0	0.0
604	298	-0.44	-8.95e-03	-16.49	0.0	0.0	0.0
604	304	-0.68	-4.70e-03	-11.08	0.0	0.0	0.0
604	309	-0.36	-5.41e-03	-11.62	0.0	0.0	0.0
604	310	-0.42	-8.44e-03	-15.79	0.0	0.0	0.0
608	1	1.21	-4.40e-04	-21.63	0.0	0.0	0.0
608	45	-2.77	-8.07e-05	-11.80	0.0	0.0	0.0
608	52	0.70	-0.01	-38.70	0.0	0.0	0.0
608	113	13.66	1.70e-03	-43.00	0.0	0.0	0.0
608	141	3.87	-0.12	-46.32	0.0	0.0	0.0
608	144	-3.11	0.12	4.03	0.0	0.0	0.0
608	145	15.27	2.05e-03	-45.78	0.0	0.0	0.0
608	173	4.31	-0.14	-49.60	0.0	0.0	0.0
608	176	-3.55	0.13	7.31	0.0	0.0	0.0
608	177	14.94	2.22e-03	-45.97	0.0	0.0	0.0
608	205	4.31	-0.14	-50.16	0.0	0.0	0.0
608	208	-3.55	0.14	7.86	0.0	0.0	0.0
608	209	17.32	3.07e-03	-50.53	0.0	0.0	0.0
608	237	4.96	-0.17	-55.53	0.0	0.0	0.0
608	240	-4.20	0.16	13.23	0.0	0.0	0.0
608	241	0.82	-2.83e-04	-15.89	0.0	0.0	0.0
608	261	-1.76	-1.86e-04	-13.56	0.0	0.0	0.0
608	268	0.48	-7.04e-03	-27.27	0.0	0.0	0.0
608	297	0.23	-2.61e-04	-15.35	0.0	0.0	0.0
608	298	0.40	-1.06e-03	-22.12	0.0	0.0	0.0
608	304	-0.17	-2.46e-04	-14.99	0.0	0.0	0.0
608	309	0.23	-2.61e-04	-15.35	0.0	0.0	0.0
608	310	0.38	-9.47e-04	-21.15	0.0	0.0	0.0
612	1	1.22	2.58e-03	-21.65	0.0	0.0	0.0
612	45	-2.73	-1.21e-03	-13.63	0.0	0.0	0.0
612	52	0.75	-0.01	-39.19	0.0	0.0	0.0
612	113	13.74	-0.12	-30.68	0.0	0.0	0.0
612	125	19.59	-0.05	-31.97	0.0	0.0	0.0
612	128	-18.78	0.06	-11.70	0.0	0.0	0.0
612	145	15.37	-0.14	-31.79	0.0	0.0	0.0
612	157	21.97	-0.06	-33.24	0.0	0.0	0.0
612	160	-21.17	0.06	-10.43	0.0	0.0	0.0
612	177	15.04	-0.14	-31.77	0.0	0.0	0.0
612	189	21.64	-0.06	-33.14	0.0	0.0	0.0
612	192	-20.84	0.07	-10.53	0.0	0.0	0.0
612	209	17.43	-0.17	-33.52	0.0	0.0	0.0
612	221	25.09	-0.08	-35.03	0.0	0.0	0.0
612	224	-24.29	0.08	-8.64	0.0	0.0	0.0
612	241	0.83	1.88e-03	-15.91	0.0	0.0	0.0
612	261	-1.73	-3.27e-04	-14.93	0.0	0.0	0.0
612	268	0.52	-7.50e-03	-27.61	0.0	0.0	0.0
612	297	0.24	1.37e-03	-15.69	0.0	0.0	0.0
612	298	0.43	1.32e-03	-22.86	0.0	0.0	0.0
612	304	-0.15	1.03e-03	-15.53	0.0	0.0	0.0
612	309	0.24	1.37e-03	-15.69	0.0	0.0	0.0
612	310	0.40	1.33e-03	-21.84	0.0	0.0	0.0
616	1	1.18	1.54e-03	-21.66	0.0	0.0	0.0
616	69	0.22	-0.04	-14.04	0.0	0.0	0.0
616	76	0.77	0.01	-39.76	0.0	0.0	0.0
616	113	13.17	-0.28	-22.18	0.0	0.0	0.0
616	138	6.97	0.47	-34.30	0.0	0.0	0.0
616	139	-6.16	-0.47	-10.04	0.0	0.0	0.0
616	145	14.73	-0.31	-22.16	0.0	0.0	0.0
616	170	7.77	0.53	-35.89	0.0	0.0	0.0
616	171	-6.96	-0.53	-8.45	0.0	0.0	0.0
616	177	14.41	-0.32	-22.02	0.0	0.0	0.0
616	202	7.57	0.54	-36.22	0.0	0.0	0.0
616	203	-6.75	-0.54	-8.12	0.0	0.0	0.0
616	209	16.70	-0.39	-21.89	0.0	0.0	0.0
616	226	11.64	0.65	-38.97	0.0	0.0	0.0
616	227	-10.83	-0.65	-5.37	0.0	0.0	0.0
616	241	0.81	1.09e-03	-15.93	0.0	0.0	0.0
616	273	0.24	-0.03	-15.27	0.0	0.0	0.0

616	280	0.53	7.43e-03	-27.99	0.0	0.0	0.0
616	297	0.25	1.49e-04	-15.85	0.0	0.0	0.0
616	298	0.43	-8.81e-04	-23.23	0.0	0.0	0.0
616	306	0.25	-5.67e-03	-15.73	0.0	0.0	0.0
616	309	0.25	1.49e-04	-15.85	0.0	0.0	0.0
616	310	0.41	-7.34e-04	-22.17	0.0	0.0	0.0
620	1	1.22	-0.48	-28.49	0.0	0.0	0.0
620	69	0.27	0.02	-14.67	0.0	0.0	0.0
620	76	0.87	-0.94	-53.88	0.0	0.0	0.0
620	113	13.79	1.28	-1.01	0.0	0.0	0.0
620	137	2.53	2.96	26.17	0.0	0.0	0.0
620	140	-1.61	-3.91	-84.90	0.0	0.0	0.0
620	145	15.41	1.51	2.76	0.0	0.0	0.0
620	169	2.79	3.41	33.48	0.0	0.0	0.0
620	172	-1.86	-4.36	-92.21	0.0	0.0	0.0
620	177	15.09	1.57	3.97	0.0	0.0	0.0
620	201	2.80	3.51	35.23	0.0	0.0	0.0
620	204	-1.88	-4.46	-93.96	0.0	0.0	0.0
620	209	17.48	1.99	10.74	0.0	0.0	0.0
620	233	3.22	4.27	47.55	0.0	0.0	0.0
620	236	-2.29	-5.22	-106.29	0.0	0.0	0.0
620	241	0.84	-0.35	-20.96	0.0	0.0	0.0
620	273	0.29	-0.12	-17.60	0.0	0.0	0.0
620	280	0.60	-0.66	-37.88	0.0	0.0	0.0
620	297	0.28	-0.35	-20.96	0.0	0.0	0.0
620	298	0.49	-0.50	-30.77	0.0	0.0	0.0
620	306	0.29	-0.30	-20.29	0.0	0.0	0.0
620	309	0.28	-0.35	-20.96	0.0	0.0	0.0
620	310	0.46	-0.47	-29.37	0.0	0.0	0.0
624	1	1.26	-1.12e-03	-27.69	0.0	0.0	0.0
624	28	-0.77	-8.41e-03	-53.91	0.0	0.0	0.0
624	69	0.30	-0.07	-17.06	0.0	0.0	0.0
624	113	13.57	-0.48	-10.92	0.0	0.0	0.0
624	141	4.07	-0.89	-0.01	0.0	0.0	0.0
624	144	-3.09	0.88	-58.91	0.0	0.0	0.0
624	145	15.16	-0.54	-8.50	0.0	0.0	0.0
624	173	4.52	-1.00	3.84	0.0	0.0	0.0
624	176	-3.55	1.00	-62.77	0.0	0.0	0.0
624	177	14.85	-0.56	-8.00	0.0	0.0	0.0
624	205	4.53	-1.03	4.60	0.0	0.0	0.0
624	208	-3.55	1.02	-63.53	0.0	0.0	0.0
624	209	17.20	-0.67	-3.84	0.0	0.0	0.0
624	237	5.20	-1.22	10.98	0.0	0.0	0.0
624	240	-4.23	1.22	-69.91	0.0	0.0	0.0
624	241	0.86	-8.36e-04	-20.35	0.0	0.0	0.0
624	256	-0.49	-5.70e-03	-37.83	0.0	0.0	0.0
624	273	0.32	-0.05	-19.13	0.0	0.0	0.0
624	297	0.30	-1.59e-03	-20.68	0.0	0.0	0.0
624	298	0.52	-3.07e-03	-30.93	0.0	0.0	0.0
624	306	0.30	-0.01	-20.37	0.0	0.0	0.0
624	309	0.30	-1.59e-03	-20.68	0.0	0.0	0.0
624	310	0.49	-2.86e-03	-29.46	0.0	0.0	0.0
632	1	0.69	-9.50e-05	-20.64	0.0	0.0	0.0
632	19	0.91	-3.20e-04	-10.88	0.0	0.0	0.0
632	28	-0.34	1.77e-03	-53.73	0.0	0.0	0.0
632	113	7.33	-0.19	41.05	0.0	0.0	0.0
632	121	10.03	-0.12	62.30	0.0	0.0	0.0
632	124	-9.45	0.12	-114.28	0.0	0.0	0.0
632	145	8.19	-0.22	49.26	0.0	0.0	0.0
632	153	11.24	-0.13	73.25	0.0	0.0	0.0
632	156	-10.66	0.13	-125.23	0.0	0.0	0.0
632	177	8.03	-0.22	47.77	0.0	0.0	0.0
632	185	11.07	-0.14	71.55	0.0	0.0	0.0
632	188	-10.48	0.14	-123.53	0.0	0.0	0.0
632	209	9.30	-0.27	59.98	0.0	0.0	0.0
632	217	12.81	-0.17	87.36	0.0	0.0	0.0
632	220	-12.22	0.17	-139.34	0.0	0.0	0.0
632	241	0.48	-6.57e-05	-15.30	0.0	0.0	0.0
632	248	0.67	-1.69e-04	-13.86	0.0	0.0	0.0
632	256	-0.21	1.18e-03	-37.36	0.0	0.0	0.0
632	297	0.18	8.94e-05	-17.46	0.0	0.0	0.0
632	302	0.28	3.77e-05	-16.74	0.0	0.0	0.0
632	305	0.10	9.76e-04	-27.43	0.0	0.0	0.0
632	309	0.18	8.94e-05	-17.46	0.0	0.0	0.0
632	310	0.29	8.72e-04	-25.99	0.0	0.0	0.0

670	1	0.01	-0.62	-40.37	0.0	0.0	0.0
670	52	0.02	-0.89	-94.40	0.0	0.0	0.0
670	93	1.32e-03	-0.84	-22.18	0.0	0.0	0.0
670	113	0.14	3.33	-42.36	0.0	0.0	0.0
670	138	0.01	-7.94	70.12	0.0	0.0	0.0
670	139	3.39e-03	6.43	-164.88	0.0	0.0	0.0
670	145	0.16	3.87	-42.00	0.0	0.0	0.0
670	170	0.01	-8.89	85.50	0.0	0.0	0.0
670	171	3.15e-03	7.38	-180.25	0.0	0.0	0.0
670	177	0.16	3.98	-43.57	0.0	0.0	0.0
670	202	0.01	-9.11	88.62	0.0	0.0	0.0
670	203	4.17e-03	7.60	-183.38	0.0	0.0	0.0
670	209	0.18	4.91	-44.02	0.0	0.0	0.0
670	234	9.85e-03	-10.70	114.20	0.0	0.0	0.0
670	235	4.33e-03	9.19	-208.96	0.0	0.0	0.0
670	241	8.59e-03	-0.45	-29.34	0.0	0.0	0.0
670	268	0.01	-0.63	-65.36	0.0	0.0	0.0
670	285	2.37e-03	-0.73	-26.22	0.0	0.0	0.0
670	297	3.66e-03	-0.44	-29.70	0.0	0.0	0.0
670	298	7.66e-03	-0.81	-50.32	0.0	0.0	0.0
670	308	3.40e-03	-0.50	-29.01	0.0	0.0	0.0
670	309	3.66e-03	-0.44	-29.70	0.0	0.0	0.0
670	310	7.09e-03	-0.75	-47.38	0.0	0.0	0.0
683	1	0.19	0.79	-12.62	0.0	0.0	0.0
683	52	0.02	2.08	-26.16	0.0	0.0	0.0
683	93	6.17e-03	0.15	-6.77	0.0	0.0	0.0
683	113	0.02	5.22	-37.93	0.0	0.0	0.0
683	137	-5.51e-04	9.40	-61.58	0.0	0.0	0.0
683	140	0.02	-7.65	35.09	0.0	0.0	0.0
683	145	0.02	5.80	-41.19	0.0	0.0	0.0
683	169	-1.93e-03	10.52	-67.93	0.0	0.0	0.0
683	172	0.02	-8.77	41.44	0.0	0.0	0.0
683	177	0.02	5.96	-42.08	0.0	0.0	0.0
683	193	-2.46e-03	10.82	-69.45	0.0	0.0	0.0
683	196	0.02	-9.06	42.96	0.0	0.0	0.0
683	209	0.02	6.98	-47.86	0.0	0.0	0.0
683	225	-5.07e-03	12.85	-80.95	0.0	0.0	0.0
683	228	0.02	-11.10	54.46	0.0	0.0	0.0
683	241	0.13	0.58	-9.29	0.0	0.0	0.0
683	268	0.01	1.44	-18.32	0.0	0.0	0.0
683	285	6.40e-03	0.33	-8.02	0.0	0.0	0.0
683	297	5.91e-03	0.61	-9.40	0.0	0.0	0.0
683	298	0.01	0.92	-13.88	0.0	0.0	0.0
683	308	6.00e-03	0.55	-9.13	0.0	0.0	0.0
683	309	5.91e-03	0.61	-9.40	0.0	0.0	0.0
683	310	9.58e-03	0.88	-13.24	0.0	0.0	0.0
689	1	0.22	0.07	-8.46	0.0	0.0	0.0
689	68	-7.73e-03	0.57	-20.77	0.0	0.0	0.0
689	93	-3.44e-03	-0.14	-2.76	0.0	0.0	0.0
689	113	0.02	2.19	-44.90	0.0	0.0	0.0
689	137	8.59e-03	4.20	-79.49	0.0	0.0	0.0
689	140	-0.02	-4.00	61.30	0.0	0.0	0.0
689	145	0.02	2.47	-49.64	0.0	0.0	0.0
689	169	0.01	4.74	-88.75	0.0	0.0	0.0
689	172	-0.02	-4.53	70.56	0.0	0.0	0.0
689	177	0.02	2.55	-51.00	0.0	0.0	0.0
689	201	9.07e-03	4.86	-90.92	0.0	0.0	0.0
689	204	-0.02	-4.66	72.73	0.0	0.0	0.0
689	209	0.03	3.04	-59.42	0.0	0.0	0.0
689	225	0.02	5.86	-107.63	0.0	0.0	0.0
689	228	-0.03	-5.65	89.44	0.0	0.0	0.0
689	241	0.15	0.05	-6.23	0.0	0.0	0.0
689	276	-5.41e-03	0.39	-14.43	0.0	0.0	0.0
689	285	-3.57e-03	-0.07	-4.23	0.0	0.0	0.0
689	297	-3.29e-03	0.06	-6.38	0.0	0.0	0.0
689	307	-5.31e-03	0.16	-9.96	0.0	0.0	0.0
689	308	-3.35e-03	0.04	-5.95	0.0	0.0	0.0
689	309	-3.29e-03	0.06	-6.38	0.0	0.0	0.0
689	310	-5.42e-03	0.10	-9.10	0.0	0.0	0.0
696	1	0.02	-1.29	-66.67	0.0	0.0	0.0
696	52	0.02	-1.84	-147.22	0.0	0.0	0.0
696	93	1.54e-03	-1.78	-41.35	0.0	0.0	0.0
696	113	0.20	6.96	-66.22	0.0	0.0	0.0
696	138	0.02	-16.57	23.91	0.0	0.0	0.0
696	139	4.64e-04	13.43	-177.52	0.0	0.0	0.0

696	145	0.22	8.08	-65.18	0.0	0.0	0.0
696	170	0.02	-18.55	37.04	0.0	0.0	0.0
696	171	-2.46e-04	15.40	-190.66	0.0	0.0	0.0
696	177	0.22	8.32	-66.93	0.0	0.0	0.0
696	202	0.02	-19.01	39.51	0.0	0.0	0.0
696	203	1.34e-03	15.87	-193.13	0.0	0.0	0.0
696	209	0.25	10.25	-66.39	0.0	0.0	0.0
696	234	0.02	-22.32	61.27	0.0	0.0	0.0
696	235	1.03e-03	19.18	-214.88	0.0	0.0	0.0
696	241	0.01	-0.93	-48.51	0.0	0.0	0.0
696	268	0.01	-1.30	-102.21	0.0	0.0	0.0
696	285	2.84e-03	-1.54	-46.38	0.0	0.0	0.0
696	297	4.44e-03	-0.92	-49.03	0.0	0.0	0.0
696	298	9.43e-03	-1.68	-81.44	0.0	0.0	0.0
696	308	4.12e-03	-1.04	-48.50	0.0	0.0	0.0
696	309	4.44e-03	-0.92	-49.03	0.0	0.0	0.0
696	310	8.71e-03	-1.57	-76.81	0.0	0.0	0.0
700	1	0.01	-1.24	-44.10	0.0	0.0	0.0
700	52	0.02	-1.69	-91.03	0.0	0.0	0.0
700	93	1.39e-03	-1.77	-29.07	0.0	0.0	0.0
700	113	0.16	7.41	-39.99	0.0	0.0	0.0
700	142	0.03	-18.62	-15.06	0.0	0.0	0.0
700	143	-0.02	15.60	-82.54	0.0	0.0	0.0
700	145	0.18	8.58	-39.01	0.0	0.0	0.0
700	174	0.04	-20.87	-10.67	0.0	0.0	0.0
700	175	-0.02	17.85	-86.92	0.0	0.0	0.0
700	177	0.18	8.83	-39.80	0.0	0.0	0.0
700	206	0.04	-21.37	-9.97	0.0	0.0	0.0
700	207	-0.02	18.35	-87.63	0.0	0.0	0.0
700	209	0.21	10.85	-38.74	0.0	0.0	0.0
700	238	0.04	-25.14	-2.79	0.0	0.0	0.0
700	239	-0.03	22.12	-94.80	0.0	0.0	0.0
700	241	7.98e-03	-0.90	-32.21	0.0	0.0	0.0
700	268	0.01	-1.20	-63.49	0.0	0.0	0.0
700	285	2.36e-03	-1.53	-31.76	0.0	0.0	0.0
700	297	3.53e-03	-0.88	-32.54	0.0	0.0	0.0
700	298	7.38e-03	-1.62	-51.51	0.0	0.0	0.0
700	308	3.30e-03	-1.01	-32.39	0.0	0.0	0.0
700	309	3.53e-03	-0.88	-32.54	0.0	0.0	0.0
700	310	6.83e-03	-1.51	-48.80	0.0	0.0	0.0
704	1	5.68e-03	-1.18	-30.94	0.0	0.0	0.0
704	19	6.71e-03	-0.79	-20.85	0.0	0.0	0.0
704	28	1.08e-03	-2.65	-60.44	0.0	0.0	0.0
704	113	0.10	7.56	-25.02	0.0	0.0	0.0
704	122	0.13	-6.54	-21.08	0.0	0.0	0.0
704	123	-0.12	3.68	-44.88	0.0	0.0	0.0
704	145	0.11	8.74	-24.04	0.0	0.0	0.0
704	154	0.15	-7.21	-19.61	0.0	0.0	0.0
704	155	-0.14	4.36	-46.36	0.0	0.0	0.0
704	177	0.11	8.99	-24.23	0.0	0.0	0.0
704	186	0.14	-7.41	-19.83	0.0	0.0	0.0
704	187	-0.14	4.56	-46.14	0.0	0.0	0.0
704	209	0.13	11.02	-22.79	0.0	0.0	0.0
704	218	0.17	-8.63	-17.69	0.0	0.0	0.0
704	219	-0.16	5.78	-48.28	0.0	0.0	0.0
704	241	3.91e-03	-0.85	-22.70	0.0	0.0	0.0
704	248	5.25e-03	-0.86	-22.54	0.0	0.0	0.0
704	256	8.38e-04	-1.83	-42.36	0.0	0.0	0.0
704	297	1.91e-03	-0.83	-22.94	0.0	0.0	0.0
704	298	3.89e-03	-1.53	-34.66	0.0	0.0	0.0
704	302	2.57e-03	-0.84	-22.86	0.0	0.0	0.0
704	309	1.91e-03	-0.83	-22.94	0.0	0.0	0.0
704	310	3.61e-03	-1.43	-32.98	0.0	0.0	0.0
708	1	-2.97e-03	-1.24	-25.52	0.0	0.0	0.0
708	69	-1.61e-03	1.30	-13.06	0.0	0.0	0.0
708	76	-2.83e-03	-3.46	-48.12	0.0	0.0	0.0
708	113	0.03	8.16	-0.03	0.0	0.0	0.0
708	137	-2.11e-03	18.23	29.44	0.0	0.0	0.0
708	140	-9.92e-04	-21.23	-81.97	0.0	0.0	0.0
708	145	0.03	9.42	3.45	0.0	0.0	0.0
708	169	-2.24e-03	20.82	36.77	0.0	0.0	0.0
708	172	-8.62e-04	-23.81	-89.30	0.0	0.0	0.0
708	177	0.03	9.68	4.56	0.0	0.0	0.0
708	201	-2.58e-03	21.38	38.53	0.0	0.0	0.0
708	204	-5.20e-04	-24.37	-91.06	0.0	0.0	0.0

708	209	0.04	11.87	10.80	0.0	0.0	0.0
708	233	-2.78e-03	25.71	50.89	0.0	0.0	0.0
708	236	-3.24e-04	-28.70	-103.42	0.0	0.0	0.0
708	241	-2.02e-03	-0.89	-18.81	0.0	0.0	0.0
708	273	-1.39e-03	0.52	-15.78	0.0	0.0	0.0
708	280	-1.93e-03	-2.37	-33.87	0.0	0.0	0.0
708	297	-7.77e-04	-0.88	-19.00	0.0	0.0	0.0
708	298	-1.68e-03	-1.60	-27.48	0.0	0.0	0.0
708	306	-9.00e-04	-0.60	-18.35	0.0	0.0	0.0
708	309	-7.77e-04	-0.88	-19.00	0.0	0.0	0.0
708	310	-1.55e-03	-1.50	-26.27	0.0	0.0	0.0
736	1	3.92e-04	-0.16	-7.96	0.0	0.0	0.0
736	68	2.92e-03	1.12	-21.66	0.0	0.0	0.0
736	93	-2.46e-04	-0.73	-1.31	0.0	0.0	0.0
736	113	0.06	-0.42	-1.53	0.0	0.0	0.0
736	138	3.96e-03	-12.66	96.66	0.0	0.0	0.0
736	139	-2.11e-03	12.43	-112.70	0.0	0.0	0.0
736	145	0.07	-0.43	-0.96	0.0	0.0	0.0
736	170	4.24e-03	-14.31	110.34	0.0	0.0	0.0
736	171	-2.39e-03	14.07	-126.38	0.0	0.0	0.0
736	177	0.06	-0.29	-2.45	0.0	0.0	0.0
736	202	3.69e-03	-14.64	113.05	0.0	0.0	0.0
736	203	-1.84e-03	14.40	-129.10	0.0	0.0	0.0
736	209	0.07	-0.21	-2.54	0.0	0.0	0.0
736	234	3.94e-03	-17.38	135.79	0.0	0.0	0.0
736	235	-2.09e-03	17.14	-151.83	0.0	0.0	0.0
736	241	2.94e-04	-0.12	-5.97	0.0	0.0	0.0
736	276	1.98e-03	0.74	-15.11	0.0	0.0	0.0
736	285	3.98e-05	-0.51	-3.17	0.0	0.0	0.0
736	297	5.07e-04	-0.08	-6.34	0.0	0.0	0.0
736	307	1.11e-03	0.06	-9.29	0.0	0.0	0.0
736	308	4.14e-04	-0.17	-5.70	0.0	0.0	0.0
736	309	5.07e-04	-0.08	-6.34	0.0	0.0	0.0
736	310	9.26e-04	-0.12	-8.02	0.0	0.0	0.0
740	1	-5.43e-04	-0.28	-13.39	0.0	0.0	0.0
740	19	-6.86e-05	-0.29	-8.56	0.0	0.0	0.0
740	28	-2.53e-03	-0.15	-24.34	0.0	0.0	0.0
740	113	0.06	-0.75	7.71	0.0	0.0	0.0
740	138	0.02	-22.77	43.22	0.0	0.0	0.0
740	139	-0.03	22.37	-70.10	0.0	0.0	0.0
740	145	0.06	-0.77	10.14	0.0	0.0	0.0
740	170	0.03	-25.72	50.55	0.0	0.0	0.0
740	171	-0.03	25.33	-77.43	0.0	0.0	0.0
740	177	0.06	-0.51	8.76	0.0	0.0	0.0
740	202	0.03	-26.32	51.59	0.0	0.0	0.0
740	203	-0.03	25.93	-78.47	0.0	0.0	0.0
740	209	0.07	-0.38	11.74	0.0	0.0	0.0
740	234	0.03	-31.24	63.54	0.0	0.0	0.0
740	235	-0.03	30.85	-90.43	0.0	0.0	0.0
740	241	-4.08e-04	-0.20	-10.08	0.0	0.0	0.0
740	248	-2.80e-04	-0.25	-9.59	0.0	0.0	0.0
740	256	-1.73e-03	-0.11	-17.38	0.0	0.0	0.0
740	297	-5.99e-04	-0.13	-10.81	0.0	0.0	0.0
740	302	-5.35e-04	-0.15	-10.57	0.0	0.0	0.0
740	305	-1.16e-03	-0.15	-13.93	0.0	0.0	0.0
740	309	-5.99e-04	-0.13	-10.81	0.0	0.0	0.0
740	310	-1.03e-03	-0.20	-13.44	0.0	0.0	0.0
744	1	-8.32e-04	0.08	-8.12	0.0	0.0	0.0
744	19	-2.52e-04	-0.12	-4.70	0.0	0.0	0.0
744	44	-3.54e-03	0.97	-16.62	0.0	0.0	0.0
744	113	0.02	-0.44	42.09	0.0	0.0	0.0
744	125	0.02	3.39	48.26	0.0	0.0	0.0
744	128	-0.02	-2.99	-65.04	0.0	0.0	0.0
744	145	0.02	-0.48	48.40	0.0	0.0	0.0
744	157	0.02	3.83	55.35	0.0	0.0	0.0
744	160	-0.03	-3.42	-72.13	0.0	0.0	0.0
744	177	0.02	-0.25	48.14	0.0	0.0	0.0
744	189	0.02	4.03	54.74	0.0	0.0	0.0
744	192	-0.03	-3.63	-71.52	0.0	0.0	0.0
744	209	0.03	-0.15	58.02	0.0	0.0	0.0
744	221	0.03	4.83	65.25	0.0	0.0	0.0
744	224	-0.03	-4.42	-82.03	0.0	0.0	0.0
744	241	-5.84e-04	0.08	-6.19	0.0	0.0	0.0
744	248	-4.82e-04	-7.43e-03	-5.63	0.0	0.0	0.0
744	264	-2.39e-03	0.67	-11.86	0.0	0.0	0.0

744	297	-7.36e-04	0.22	-7.03	0.0	0.0	0.0
744	302	-6.85e-04	0.18	-6.75	0.0	0.0	0.0
744	305	-1.76e-03	0.30	-8.95	0.0	0.0	0.0
744	309	-7.36e-04	0.22	-7.03	0.0	0.0	0.0
744	310	-1.66e-03	0.20	-8.39	0.0	0.0	0.0
748	1	0.28	-0.41	-5.20	0.0	0.0	0.0
748	44	-1.43	-0.77	-20.26	0.0	0.0	0.0
748	69	-0.17	0.82	3.64	0.0	0.0	0.0
748	113	8.00	-0.89	107.20	0.0	0.0	0.0
748	141	1.46	7.75	130.65	0.0	0.0	0.0
748	144	-1.70	-8.58	-144.47	0.0	0.0	0.0
748	145	9.00	-0.92	121.76	0.0	0.0	0.0
748	173	1.66	8.83	148.57	0.0	0.0	0.0
748	176	-1.90	-9.65	-162.40	0.0	0.0	0.0
748	177	8.83	-0.80	122.90	0.0	0.0	0.0
748	205	1.63	9.09	151.66	0.0	0.0	0.0
748	208	-1.87	-9.91	-165.49	0.0	0.0	0.0
748	209	10.31	-0.78	146.79	0.0	0.0	0.0
748	237	1.92	10.90	181.06	0.0	0.0	0.0
748	240	-2.16	-11.72	-194.88	0.0	0.0	0.0
748	241	0.18	-0.31	-4.19	0.0	0.0	0.0
748	264	-0.96	-0.55	-14.24	0.0	0.0	0.0
748	273	-0.14	0.42	0.24	0.0	0.0	0.0
748	297	-0.06	-0.34	-6.24	0.0	0.0	0.0
748	305	-0.28	-0.43	-8.28	0.0	0.0	0.0
748	306	-0.08	-0.19	-4.95	0.0	0.0	0.0
748	309	-0.06	-0.34	-6.24	0.0	0.0	0.0
748	310	-0.12	-0.41	-6.91	0.0	0.0	0.0
779	1	-0.28	5.24e-03	-16.26	0.0	0.0	0.0
779	4	-1.20	0.01	-29.00	0.0	0.0	0.0
779	45	-3.25	2.18e-03	-8.15	0.0	0.0	0.0
779	113	15.74	8.96e-03	-50.23	0.0	0.0	0.0
779	121	17.56	0.02	-51.74	0.0	0.0	0.0
779	124	-19.75	-9.59e-03	19.68	0.0	0.0	0.0
779	145	17.81	9.32e-03	-54.51	0.0	0.0	0.0
779	153	19.87	0.02	-56.21	0.0	0.0	0.0
779	156	-22.07	-0.01	24.15	0.0	0.0	0.0
779	177	17.48	9.41e-03	-54.31	0.0	0.0	0.0
779	185	19.53	0.03	-55.85	0.0	0.0	0.0
779	188	-21.73	-0.01	23.80	0.0	0.0	0.0
779	209	20.56	0.01	-60.99	0.0	0.0	0.0
779	217	22.87	0.03	-62.55	0.0	0.0	0.0
779	220	-25.07	-0.02	30.49	0.0	0.0	0.0
779	241	-0.26	3.75e-03	-11.94	0.0	0.0	0.0
779	244	-0.87	8.40e-03	-20.43	0.0	0.0	0.0
779	261	-2.45	2.86e-03	-9.66	0.0	0.0	0.0
779	297	-0.76	3.54e-03	-11.41	0.0	0.0	0.0
779	298	-1.15	6.72e-03	-16.80	0.0	0.0	0.0
779	304	-1.10	3.40e-03	-11.06	0.0	0.0	0.0
779	309	-0.76	3.54e-03	-11.41	0.0	0.0	0.0
779	310	-1.10	6.26e-03	-16.03	0.0	0.0	0.0
783	1	0.64	2.51e-03	-19.19	0.0	0.0	0.0
783	4	0.37	5.98e-03	-34.69	0.0	0.0	0.0
783	45	-3.17	1.26e-03	-11.24	0.0	0.0	0.0
783	113	16.78	7.56e-03	-34.67	0.0	0.0	0.0
783	121	18.61	7.80e-03	-35.06	0.0	0.0	0.0
783	124	-19.19	-1.62e-03	-3.74	0.0	0.0	0.0
783	145	18.87	8.11e-03	-36.58	0.0	0.0	0.0
783	153	20.96	8.39e-03	-37.02	0.0	0.0	0.0
783	156	-21.53	-2.21e-03	-1.78	0.0	0.0	0.0
783	177	18.54	8.03e-03	-36.54	0.0	0.0	0.0
783	185	20.61	8.34e-03	-36.89	0.0	0.0	0.0
783	188	-21.19	-2.16e-03	-1.91	0.0	0.0	0.0
783	209	21.66	9.06e-03	-39.56	0.0	0.0	0.0
783	217	24.00	9.37e-03	-39.86	0.0	0.0	0.0
783	220	-24.57	-3.19e-03	1.05	0.0	0.0	0.0
783	241	0.41	1.79e-03	-14.11	0.0	0.0	0.0
783	244	0.23	4.11e-03	-24.45	0.0	0.0	0.0
783	261	-2.19	1.53e-03	-12.59	0.0	0.0	0.0
783	297	-0.19	1.73e-03	-13.76	0.0	0.0	0.0
783	298	-0.31	3.32e-03	-20.34	0.0	0.0	0.0
783	304	-0.59	1.69e-03	-13.53	0.0	0.0	0.0
783	309	-0.19	1.73e-03	-13.76	0.0	0.0	0.0
783	310	-0.29	3.09e-03	-19.40	0.0	0.0	0.0
787	1	0.64	6.77e-04	-17.83	0.0	0.0	0.0

787	45	-3.10	3.47e-04	-11.38	0.0	0.0	0.0
787	52	-0.52	1.46e-03	-32.42	0.0	0.0	0.0
787	113	16.85	0.03	-26.70	0.0	0.0	0.0
787	121	18.69	0.03	-26.88	0.0	0.0	0.0
787	124	-19.23	-0.03	-9.67	0.0	0.0	0.0
787	145	18.96	0.04	-27.75	0.0	0.0	0.0
787	153	21.04	0.03	-27.96	0.0	0.0	0.0
787	156	-21.59	-0.03	-8.59	0.0	0.0	0.0
787	177	18.62	0.04	-27.73	0.0	0.0	0.0
787	185	20.69	0.03	-27.89	0.0	0.0	0.0
787	188	-21.24	-0.03	-8.66	0.0	0.0	0.0
787	209	21.76	0.05	-29.40	0.0	0.0	0.0
787	217	24.09	0.04	-29.52	0.0	0.0	0.0
787	220	-24.64	-0.04	-7.03	0.0	0.0	0.0
787	241	0.42	4.84e-04	-13.13	0.0	0.0	0.0
787	261	-2.13	4.17e-04	-12.39	0.0	0.0	0.0
787	268	-0.36	1.01e-03	-22.85	0.0	0.0	0.0
787	297	-0.17	4.69e-04	-12.96	0.0	0.0	0.0
787	298	-0.29	9.12e-04	-19.17	0.0	0.0	0.0
787	304	-0.56	4.58e-04	-12.84	0.0	0.0	0.0
787	309	-0.17	4.69e-04	-12.96	0.0	0.0	0.0
787	310	-0.27	8.49e-04	-18.28	0.0	0.0	0.0
791	1	0.64	7.14e-05	-17.57	0.0	0.0	0.0
791	4	0.37	1.08e-04	-31.90	0.0	0.0	0.0
791	45	-3.04	-5.61e-05	-11.62	0.0	0.0	0.0
791	113	16.91	0.04	-22.78	0.0	0.0	0.0
791	121	18.75	0.03	-22.87	0.0	0.0	0.0
791	124	-19.28	-0.03	-13.29	0.0	0.0	0.0
791	145	19.02	0.04	-23.37	0.0	0.0	0.0
791	153	21.11	0.04	-23.47	0.0	0.0	0.0
791	156	-21.63	-0.04	-12.68	0.0	0.0	0.0
791	177	18.68	0.04	-23.36	0.0	0.0	0.0
791	185	20.76	0.04	-23.43	0.0	0.0	0.0
791	188	-21.29	-0.04	-12.73	0.0	0.0	0.0
791	209	21.83	0.05	-24.28	0.0	0.0	0.0
791	217	24.16	0.04	-24.34	0.0	0.0	0.0
791	220	-24.69	-0.04	-11.82	0.0	0.0	0.0
791	241	0.41	5.12e-05	-12.95	0.0	0.0	0.0
791	244	0.24	7.57e-05	-22.50	0.0	0.0	0.0
791	261	-2.09	-2.53e-05	-12.50	0.0	0.0	0.0
791	297	-0.17	3.35e-05	-12.85	0.0	0.0	0.0
791	298	-0.28	4.92e-05	-18.95	0.0	0.0	0.0
791	304	-0.55	2.18e-05	-12.78	0.0	0.0	0.0
791	309	-0.17	3.35e-05	-12.85	0.0	0.0	0.0
791	310	-0.26	4.69e-05	-18.08	0.0	0.0	0.0
795	1	0.63	2.45e-04	-17.80	0.0	0.0	0.0
795	4	0.36	3.90e-04	-32.08	0.0	0.0	0.0
795	45	-3.00	-4.15e-05	-12.03	0.0	0.0	0.0
795	113	16.94	0.04	-20.87	0.0	0.0	0.0
795	121	18.77	0.03	-20.89	0.0	0.0	0.0
795	124	-19.30	-0.03	-15.65	0.0	0.0	0.0
795	145	19.05	0.04	-21.19	0.0	0.0	0.0
795	153	21.14	0.04	-21.22	0.0	0.0	0.0
795	156	-21.66	-0.04	-15.33	0.0	0.0	0.0
795	177	18.71	0.04	-21.17	0.0	0.0	0.0
795	185	20.79	0.04	-21.20	0.0	0.0	0.0
795	188	-21.31	-0.04	-15.35	0.0	0.0	0.0
795	209	21.86	0.05	-21.68	0.0	0.0	0.0
795	217	24.20	0.04	-21.69	0.0	0.0	0.0
795	220	-24.72	-0.04	-14.86	0.0	0.0	0.0
795	241	0.40	1.78e-04	-13.13	0.0	0.0	0.0
795	244	0.23	2.75e-04	-22.65	0.0	0.0	0.0
795	261	-2.06	2.44e-05	-12.85	0.0	0.0	0.0
795	297	-0.17	1.43e-04	-13.06	0.0	0.0	0.0
795	298	-0.28	2.02e-04	-19.14	0.0	0.0	0.0
795	304	-0.55	1.19e-04	-13.02	0.0	0.0	0.0
795	309	-0.17	1.43e-04	-13.06	0.0	0.0	0.0
795	310	-0.26	1.93e-04	-18.27	0.0	0.0	0.0
799	1	0.61	8.87e-04	-17.91	0.0	0.0	0.0
799	4	0.35	1.77e-03	-32.01	0.0	0.0	0.0
799	45	-2.97	2.29e-04	-12.35	0.0	0.0	0.0
799	113	16.94	0.04	-19.37	0.0	0.0	0.0
799	118	18.52	-3.46e-03	-19.51	0.0	0.0	0.0
799	119	-19.05	5.28e-03	-17.17	0.0	0.0	0.0
799	145	19.06	0.04	-19.50	0.0	0.0	0.0

799	150	20.82	-3.95e-03	-19.65	0.0	0.0	0.0
799	151	-21.36	5.77e-03	-17.03	0.0	0.0	0.0
799	177	18.72	0.04	-19.48	0.0	0.0	0.0
799	182	20.45	-3.64e-03	-19.63	0.0	0.0	0.0
799	183	-20.99	5.46e-03	-17.05	0.0	0.0	0.0
799	209	21.87	0.05	-19.67	0.0	0.0	0.0
799	214	23.89	-4.40e-03	-19.85	0.0	0.0	0.0
799	215	-24.42	6.22e-03	-16.84	0.0	0.0	0.0
799	241	0.40	6.41e-04	-13.23	0.0	0.0	0.0
799	244	0.22	1.23e-03	-22.63	0.0	0.0	0.0
799	261	-2.04	3.74e-04	-13.10	0.0	0.0	0.0
799	297	-0.17	5.79e-04	-13.20	0.0	0.0	0.0
799	298	-0.28	9.64e-04	-19.20	0.0	0.0	0.0
799	304	-0.54	5.38e-04	-13.18	0.0	0.0	0.0
799	309	-0.17	5.79e-04	-13.20	0.0	0.0	0.0
799	310	-0.27	9.09e-04	-18.34	0.0	0.0	0.0
803	1	0.60	1.55e-03	-17.44	0.0	0.0	0.0
803	69	-0.20	5.76e-04	-12.04	0.0	0.0	0.0
803	76	-0.50	3.20e-03	-30.97	0.0	0.0	0.0
803	113	16.93	0.04	-16.99	0.0	0.0	0.0
803	137	2.95	0.07	-16.07	0.0	0.0	0.0
803	140	-3.50	-0.06	-19.58	0.0	0.0	0.0
803	145	19.05	0.04	-16.88	0.0	0.0	0.0
803	169	3.35	0.08	-15.84	0.0	0.0	0.0
803	172	-3.89	-0.07	-19.81	0.0	0.0	0.0
803	177	18.71	0.04	-16.85	0.0	0.0	0.0
803	201	3.29	0.07	-15.78	0.0	0.0	0.0
803	204	-3.84	-0.07	-19.86	0.0	0.0	0.0
803	209	21.86	0.05	-16.66	0.0	0.0	0.0
803	233	3.89	0.09	-15.40	0.0	0.0	0.0
803	236	-4.43	-0.09	-20.25	0.0	0.0	0.0
803	241	0.39	1.12e-03	-12.89	0.0	0.0	0.0
803	273	-0.20	7.81e-04	-12.78	0.0	0.0	0.0
803	280	-0.34	2.22e-03	-21.92	0.0	0.0	0.0
803	297	-0.17	1.03e-03	-12.90	0.0	0.0	0.0
803	298	-0.29	1.77e-03	-18.64	0.0	0.0	0.0
803	306	-0.18	9.83e-04	-12.88	0.0	0.0	0.0
803	309	-0.17	1.03e-03	-12.90	0.0	0.0	0.0
803	310	-0.27	1.66e-03	-17.82	0.0	0.0	0.0
807	1	0.59	1.59e-03	-16.57	0.0	0.0	0.0
807	28	-2.17	2.86e-03	-29.28	0.0	0.0	0.0
807	69	-0.21	1.09e-03	-11.30	0.0	0.0	0.0
807	113	16.91	0.04	-14.47	0.0	0.0	0.0
807	141	3.49	0.07	-12.69	0.0	0.0	0.0
807	144	-4.04	-0.07	-21.10	0.0	0.0	0.0
807	145	19.02	0.04	-14.16	0.0	0.0	0.0
807	173	3.96	0.08	-12.14	0.0	0.0	0.0
807	176	-4.51	-0.08	-21.65	0.0	0.0	0.0
807	177	18.68	0.04	-14.08	0.0	0.0	0.0
807	205	3.90	0.08	-12.03	0.0	0.0	0.0
807	208	-4.45	-0.07	-21.76	0.0	0.0	0.0
807	209	21.83	0.05	-13.53	0.0	0.0	0.0
807	237	4.58	0.09	-11.11	0.0	0.0	0.0
807	240	-5.13	-0.09	-22.68	0.0	0.0	0.0
807	241	0.38	1.15e-03	-12.28	0.0	0.0	0.0
807	256	-1.46	1.99e-03	-20.75	0.0	0.0	0.0
807	273	-0.21	1.13e-03	-12.06	0.0	0.0	0.0
807	297	-0.17	1.05e-03	-12.33	0.0	0.0	0.0
807	298	-0.29	1.79e-03	-17.66	0.0	0.0	0.0
807	306	-0.18	1.07e-03	-12.28	0.0	0.0	0.0
807	309	-0.17	1.05e-03	-12.33	0.0	0.0	0.0
807	310	-0.28	1.69e-03	-16.90	0.0	0.0	0.0
811	1	0.58	1.77e-04	-15.47	0.0	0.0	0.0
811	28	-2.16	-4.18e-05	-27.13	0.0	0.0	0.0
811	69	-0.22	1.94e-03	-10.31	0.0	0.0	0.0
811	113	16.87	0.04	-10.42	0.0	0.0	0.0
811	141	3.47	0.08	-7.36	0.0	0.0	0.0
811	144	-4.03	-0.08	-24.02	0.0	0.0	0.0
811	145	18.97	0.05	-9.74	0.0	0.0	0.0
811	173	3.93	0.09	-6.27	0.0	0.0	0.0
811	176	-4.50	-0.09	-25.11	0.0	0.0	0.0
811	177	18.63	0.05	-9.61	0.0	0.0	0.0
811	205	3.88	0.09	-6.06	0.0	0.0	0.0
811	208	-4.44	-0.09	-25.32	0.0	0.0	0.0
811	209	21.77	0.06	-8.43	0.0	0.0	0.0

811	237	4.55	0.11	-4.26	0.0	0.0	0.0
811	240	-5.11	-0.11	-27.12	0.0	0.0	0.0
811	241	0.37	1.26e-04	-11.48	0.0	0.0	0.0
811	256	-1.46	-1.94e-05	-19.26	0.0	0.0	0.0
811	273	-0.22	1.32e-03	-11.11	0.0	0.0	0.0
811	297	-0.17	7.38e-05	-11.60	0.0	0.0	0.0
811	298	-0.30	6.70e-05	-16.37	0.0	0.0	0.0
811	306	-0.18	3.23e-04	-11.50	0.0	0.0	0.0
811	309	-0.17	7.38e-05	-11.60	0.0	0.0	0.0
811	310	-0.28	6.80e-05	-15.69	0.0	0.0	0.0
815	1	0.57	-3.21e-03	-14.10	0.0	0.0	0.0
815	28	-2.15	-6.79e-03	-24.50	0.0	0.0	0.0
815	69	-0.24	2.24e-03	-8.98	0.0	0.0	0.0
815	113	16.80	0.05	-4.05	0.0	0.0	0.0
815	141	3.43	0.09	1.60	0.0	0.0	0.0
815	144	-4.00	-0.10	-29.98	0.0	0.0	0.0
815	145	18.90	0.06	-2.73	0.0	0.0	0.0
815	173	3.90	0.10	3.67	0.0	0.0	0.0
815	176	-4.46	-0.11	-32.05	0.0	0.0	0.0
815	177	18.56	0.06	-2.49	0.0	0.0	0.0
815	205	3.84	0.11	4.07	0.0	0.0	0.0
815	208	-4.41	-0.11	-32.45	0.0	0.0	0.0
815	209	21.69	0.07	-0.23	0.0	0.0	0.0
815	237	4.52	0.13	7.48	0.0	0.0	0.0
815	240	-5.08	-0.13	-35.86	0.0	0.0	0.0
815	241	0.37	-2.32e-03	-10.51	0.0	0.0	0.0
815	256	-1.45	-4.71e-03	-17.44	0.0	0.0	0.0
815	273	-0.23	6.18e-04	-9.87	0.0	0.0	0.0
815	297	-0.17	-2.26e-03	-10.71	0.0	0.0	0.0
815	298	-0.30	-3.99e-03	-14.77	0.0	0.0	0.0
815	306	-0.18	-1.68e-03	-10.54	0.0	0.0	0.0
815	309	-0.17	-2.26e-03	-10.71	0.0	0.0	0.0
815	310	-0.28	-3.74e-03	-14.19	0.0	0.0	0.0
819	1	0.56	-8.08e-03	-12.26	0.0	0.0	0.0
819	28	-2.13	-0.02	-21.11	0.0	0.0	0.0
819	69	-0.26	-1.54e-03	-6.88	0.0	0.0	0.0
819	113	16.72	-0.01	6.44	0.0	0.0	0.0
819	141	3.39	0.06	17.49	0.0	0.0	0.0
819	144	-3.95	-0.08	-41.83	0.0	0.0	0.0
819	145	18.80	-0.01	8.86	0.0	0.0	0.0
819	173	3.85	0.07	21.37	0.0	0.0	0.0
819	176	-4.41	-0.08	-45.71	0.0	0.0	0.0
819	177	18.46	-0.01	9.34	0.0	0.0	0.0
819	205	3.79	0.07	22.12	0.0	0.0	0.0
819	208	-4.36	-0.09	-46.47	0.0	0.0	0.0
819	209	21.58	-0.01	13.50	0.0	0.0	0.0
819	237	4.46	0.08	28.55	0.0	0.0	0.0
819	240	-5.03	-0.10	-52.89	0.0	0.0	0.0
819	241	0.36	-5.83e-03	-9.20	0.0	0.0	0.0
819	256	-1.43	-0.01	-15.10	0.0	0.0	0.0
819	273	-0.24	-3.13e-03	-8.02	0.0	0.0	0.0
819	297	-0.17	-5.46e-03	-9.56	0.0	0.0	0.0
819	298	-0.30	-9.47e-03	-12.61	0.0	0.0	0.0
819	306	-0.18	-4.99e-03	-9.25	0.0	0.0	0.0
819	309	-0.17	-5.46e-03	-9.56	0.0	0.0	0.0
819	310	-0.28	-8.90e-03	-12.17	0.0	0.0	0.0
823	1	0.56	-0.01	-9.53	0.0	0.0	0.0
823	44	-3.04	-0.01	-18.70	0.0	0.0	0.0
823	69	-0.29	-0.02	-2.85	0.0	0.0	0.0
823	113	16.38	-0.11	37.77	0.0	0.0	0.0
823	141	3.20	-0.16	57.26	0.0	0.0	0.0
823	144	-3.74	0.13	-76.50	0.0	0.0	0.0
823	145	18.42	-0.12	43.89	0.0	0.0	0.0
823	173	3.64	-0.18	65.99	0.0	0.0	0.0
823	176	-4.18	0.15	-85.24	0.0	0.0	0.0
823	177	18.09	-0.12	44.75	0.0	0.0	0.0
823	205	3.59	-0.18	67.63	0.0	0.0	0.0
823	208	-4.13	0.16	-86.87	0.0	0.0	0.0
823	209	21.13	-0.14	55.03	0.0	0.0	0.0
823	237	4.22	-0.21	82.03	0.0	0.0	0.0
823	240	-4.76	0.19	-101.28	0.0	0.0	0.0
823	241	0.36	-9.44e-03	-7.29	0.0	0.0	0.0
823	264	-2.03	-9.40e-03	-13.40	0.0	0.0	0.0
823	273	-0.26	-0.02	-4.80	0.0	0.0	0.0
823	297	-0.16	-7.93e-03	-8.23	0.0	0.0	0.0

823	305	-0.62	-0.01	-10.25	0.0	0.0	0.0
823	306	-0.18	-9.44e-03	-7.54	0.0	0.0	0.0
823	309	-0.16	-7.93e-03	-8.23	0.0	0.0	0.0
823	310	-0.27	-0.01	-9.62	0.0	0.0	0.0
875	1	-3.30e-03	1.05	-24.36	0.0	0.0	0.0
875	69	1.06e-03	3.09	-13.25	0.0	0.0	0.0
875	76	6.62e-03	1.01	-44.28	0.0	0.0	0.0
875	113	-0.30	-1.59	-7.23	0.0	0.0	0.0
875	137	-0.14	18.44	13.48	0.0	0.0	0.0
875	140	0.15	-16.42	-62.93	0.0	0.0	0.0
875	145	-0.34	-1.86	-4.97	0.0	0.0	0.0
875	169	-0.16	20.74	18.49	0.0	0.0	0.0
875	172	0.17	-18.73	-67.94	0.0	0.0	0.0
875	177	-0.34	-1.55	-4.62	0.0	0.0	0.0
875	201	-0.16	21.34	19.55	0.0	0.0	0.0
875	204	0.17	-19.32	-69.00	0.0	0.0	0.0
875	209	-0.40	-1.79	-0.77	0.0	0.0	0.0
875	233	-0.19	25.24	27.91	0.0	0.0	0.0
875	236	0.20	-23.22	-77.36	0.0	0.0	0.0
875	241	-1.99e-03	0.76	-17.61	0.0	0.0	0.0
875	273	1.77e-03	2.34	-15.72	0.0	0.0	0.0
875	280	4.62e-03	0.73	-30.89	0.0	0.0	0.0
875	297	2.73e-03	0.74	-17.69	0.0	0.0	0.0
875	298	3.76e-03	1.05	-25.90	0.0	0.0	0.0
875	306	2.54e-03	1.06	-17.29	0.0	0.0	0.0
875	309	2.73e-03	0.74	-17.69	0.0	0.0	0.0
875	310	3.61e-03	1.01	-24.72	0.0	0.0	0.0
879	1	6.65e-04	0.04	-34.50	0.0	0.0	0.0
879	69	1.13e-03	2.88	-20.72	0.0	0.0	0.0
879	76	4.17e-03	-0.89	-63.49	0.0	0.0	0.0
879	113	0.05	-2.63	-27.94	0.0	0.0	0.0
879	137	3.82e-03	17.65	-18.84	0.0	0.0	0.0
879	140	9.20e-04	-17.67	-51.98	0.0	0.0	0.0
879	145	0.06	-2.91	-26.97	0.0	0.0	0.0
879	169	3.85e-03	19.99	-16.66	0.0	0.0	0.0
879	172	8.91e-04	-20.01	-54.16	0.0	0.0	0.0
879	177	0.06	-2.59	-26.79	0.0	0.0	0.0
879	201	2.90e-03	20.59	-16.19	0.0	0.0	0.0
879	204	1.84e-03	-20.61	-54.62	0.0	0.0	0.0
879	209	0.07	-2.83	-25.12	0.0	0.0	0.0
879	233	2.64e-03	24.54	-12.56	0.0	0.0	0.0
879	236	2.10e-03	-24.56	-58.26	0.0	0.0	0.0
879	241	6.01e-04	0.02	-24.86	0.0	0.0	0.0
879	273	1.45e-03	1.92	-23.58	0.0	0.0	0.0
879	280	2.94e-03	-0.60	-44.19	0.0	0.0	0.0
879	297	1.83e-03	-9.19e-03	-24.91	0.0	0.0	0.0
879	298	2.46e-03	-0.01	-37.16	0.0	0.0	0.0
879	306	1.75e-03	0.38	-24.64	0.0	0.0	0.0
879	309	1.83e-03	-9.19e-03	-24.91	0.0	0.0	0.0
879	310	2.37e-03	-9.98e-03	-35.41	0.0	0.0	0.0
883	1	1.89e-03	0.04	-36.68	0.0	0.0	0.0
883	69	8.36e-04	2.83	-23.05	0.0	0.0	0.0
883	76	2.11e-03	-0.86	-67.97	0.0	0.0	0.0
883	113	0.12	-2.62	-33.75	0.0	0.0	0.0
883	137	0.05	17.73	-28.86	0.0	0.0	0.0
883	140	-0.05	-17.74	-46.82	0.0	0.0	0.0
883	145	0.14	-2.90	-33.22	0.0	0.0	0.0
883	169	0.06	20.08	-27.69	0.0	0.0	0.0
883	172	-0.06	-20.08	-47.99	0.0	0.0	0.0
883	177	0.13	-2.59	-33.13	0.0	0.0	0.0
883	201	0.06	20.68	-27.44	0.0	0.0	0.0
883	204	-0.05	-20.69	-48.24	0.0	0.0	0.0
883	209	0.15	-2.82	-32.22	0.0	0.0	0.0
883	233	0.07	24.65	-25.47	0.0	0.0	0.0
883	236	-0.06	-24.65	-50.21	0.0	0.0	0.0
883	241	1.33e-03	0.03	-26.39	0.0	0.0	0.0
883	273	8.93e-04	1.88	-25.76	0.0	0.0	0.0
883	280	1.49e-03	-0.57	-47.25	0.0	0.0	0.0
883	297	8.86e-04	-5.97e-03	-26.41	0.0	0.0	0.0
883	298	1.26e-03	-9.10e-04	-39.74	0.0	0.0	0.0
883	306	8.87e-04	0.37	-26.28	0.0	0.0	0.0
883	309	8.86e-04	-5.97e-03	-26.41	0.0	0.0	0.0
883	310	1.21e-03	-1.63e-03	-37.84	0.0	0.0	0.0
887	1	1.57e-03	0.05	-38.60	0.0	0.0	0.0
887	69	6.12e-04	2.80	-24.68	0.0	0.0	0.0

887	76	1.35e-03	-0.81	-71.72	0.0	0.0	0.0
887	113	0.14	-2.61	-37.48	0.0	0.0	0.0
887	137	0.06	17.80	-34.90	0.0	0.0	0.0
887	140	-0.06	-17.77	-44.87	0.0	0.0	0.0
887	145	0.16	-2.89	-37.17	0.0	0.0	0.0
887	169	0.07	20.16	-34.25	0.0	0.0	0.0
887	172	-0.07	-20.13	-45.52	0.0	0.0	0.0
887	177	0.16	-2.57	-37.13	0.0	0.0	0.0
887	201	0.07	20.76	-34.12	0.0	0.0	0.0
887	204	-0.07	-20.74	-45.65	0.0	0.0	0.0
887	209	0.18	-2.81	-36.62	0.0	0.0	0.0
887	233	0.08	24.74	-33.03	0.0	0.0	0.0
887	236	-0.08	-24.71	-46.74	0.0	0.0	0.0
887	241	1.08e-03	0.04	-27.76	0.0	0.0	0.0
887	273	5.83e-04	1.87	-27.39	0.0	0.0	0.0
887	280	9.28e-04	-0.54	-49.84	0.0	0.0	0.0
887	297	4.41e-04	3.95e-03	-27.76	0.0	0.0	0.0
887	298	7.73e-04	0.02	-41.91	0.0	0.0	0.0
887	306	4.70e-04	0.38	-27.68	0.0	0.0	0.0
887	309	4.41e-04	3.95e-03	-27.76	0.0	0.0	0.0
887	310	7.26e-04	0.01	-39.88	0.0	0.0	0.0
891	1	9.46e-04	0.07	-39.88	0.0	0.0	0.0
891	69	3.76e-04	2.77	-25.76	0.0	0.0	0.0
891	76	7.66e-04	-0.77	-74.14	0.0	0.0	0.0
891	113	0.12	-2.60	-41.85	0.0	0.0	0.0
891	138	0.02	-22.03	-44.03	0.0	0.0	0.0
891	139	-0.02	22.10	-38.38	0.0	0.0	0.0
891	145	0.14	-2.88	-41.93	0.0	0.0	0.0
891	170	0.02	-24.91	-44.40	0.0	0.0	0.0
891	171	-0.02	24.97	-38.01	0.0	0.0	0.0
891	177	0.13	-2.56	-41.88	0.0	0.0	0.0
891	202	0.02	-25.43	-44.46	0.0	0.0	0.0
891	203	-0.02	25.50	-37.95	0.0	0.0	0.0
891	209	0.15	-2.80	-41.96	0.0	0.0	0.0
891	234	0.02	-30.19	-45.06	0.0	0.0	0.0
891	235	-0.02	30.26	-37.35	0.0	0.0	0.0
891	241	6.35e-04	0.05	-28.67	0.0	0.0	0.0
891	273	3.26e-04	1.85	-28.46	0.0	0.0	0.0
891	280	5.15e-04	-0.51	-51.51	0.0	0.0	0.0
891	297	1.71e-04	0.01	-28.65	0.0	0.0	0.0
891	298	4.17e-04	0.03	-43.30	0.0	0.0	0.0
891	306	2.02e-04	0.38	-28.61	0.0	0.0	0.0
891	309	1.71e-04	0.01	-28.65	0.0	0.0	0.0
891	310	3.82e-04	0.03	-41.21	0.0	0.0	0.0
895	1	-2.65e-04	0.08	-40.65	0.0	0.0	0.0
895	4	-6.28e-04	0.13	-75.64	0.0	0.0	0.0
895	45	-1.44e-03	-0.14	-26.37	0.0	0.0	0.0
895	113	0.10	-2.59	-43.60	0.0	0.0	0.0
895	118	0.09	-13.03	-44.08	0.0	0.0	0.0
895	119	-0.09	13.12	-39.94	0.0	0.0	0.0
895	145	0.11	-2.87	-43.79	0.0	0.0	0.0
895	150	0.10	-14.68	-44.34	0.0	0.0	0.0
895	151	-0.10	14.77	-39.69	0.0	0.0	0.0
895	177	0.11	-2.55	-43.75	0.0	0.0	0.0
895	182	0.09	-14.70	-44.30	0.0	0.0	0.0
895	183	-0.10	14.80	-39.72	0.0	0.0	0.0
895	209	0.12	-2.79	-44.02	0.0	0.0	0.0
895	214	0.11	-17.32	-44.68	0.0	0.0	0.0
895	215	-0.11	17.41	-39.34	0.0	0.0	0.0
895	241	-2.14e-04	0.06	-29.23	0.0	0.0	0.0
895	244	-4.55e-04	0.09	-52.56	0.0	0.0	0.0
895	261	-1.12e-03	-0.08	-29.07	0.0	0.0	0.0
895	297	-4.22e-04	0.03	-29.20	0.0	0.0	0.0
895	298	-5.74e-04	0.05	-44.15	0.0	0.0	0.0
895	304	-5.61e-04	3.55e-03	-29.17	0.0	0.0	0.0
895	309	-4.22e-04	0.03	-29.20	0.0	0.0	0.0
895	310	-5.52e-04	0.05	-42.01	0.0	0.0	0.0
899	1	-2.85e-03	0.10	-41.08	0.0	0.0	0.0
899	45	-6.89e-04	-0.13	-26.50	0.0	0.0	0.0
899	52	-5.32e-03	1.73	-76.59	0.0	0.0	0.0
899	113	0.06	-2.58	-45.77	0.0	0.0	0.0
899	121	0.05	5.05	-45.85	0.0	0.0	0.0
899	124	-0.05	-4.93	-39.07	0.0	0.0	0.0
899	145	0.07	-2.86	-46.18	0.0	0.0	0.0
899	153	0.05	5.71	-46.27	0.0	0.0	0.0

899	156	-0.06	-5.59	-38.65	0.0	0.0	0.0
899	177	0.06	-2.54	-46.14	0.0	0.0	0.0
899	185	0.05	5.89	-46.23	0.0	0.0	0.0
899	188	-0.06	-5.76	-38.70	0.0	0.0	0.0
899	209	0.08	-2.78	-46.77	0.0	0.0	0.0
899	217	0.06	7.06	-46.85	0.0	0.0	0.0
899	220	-0.06	-6.94	-38.07	0.0	0.0	0.0
899	241	-2.03e-03	0.07	-29.55	0.0	0.0	0.0
899	261	-1.18e-03	-0.07	-29.27	0.0	0.0	0.0
899	268	-3.68e-03	1.16	-53.22	0.0	0.0	0.0
899	297	-1.84e-03	0.04	-29.48	0.0	0.0	0.0
899	298	-2.97e-03	0.07	-44.63	0.0	0.0	0.0
899	304	-1.71e-03	0.01	-29.44	0.0	0.0	0.0
899	309	-1.84e-03	0.04	-29.48	0.0	0.0	0.0
899	310	-2.81e-03	0.06	-42.46	0.0	0.0	0.0
903	1	-7.47e-03	0.11	-41.37	0.0	0.0	0.0
903	45	6.37e-04	-0.12	-26.48	0.0	0.0	0.0
903	52	-0.01	1.74	-77.44	0.0	0.0	0.0
903	113	0.03	-2.57	-48.87	0.0	0.0	0.0
903	125	0.02	6.59	-49.41	0.0	0.0	0.0
903	128	-0.04	-6.44	-36.12	0.0	0.0	0.0
903	145	0.03	-2.85	-49.63	0.0	0.0	0.0
903	157	0.02	7.45	-50.25	0.0	0.0	0.0
903	160	-0.04	-7.30	-35.29	0.0	0.0	0.0
903	177	0.03	-2.53	-49.60	0.0	0.0	0.0
903	189	0.02	7.62	-50.17	0.0	0.0	0.0
903	192	-0.04	-7.47	-35.36	0.0	0.0	0.0
903	209	0.03	-2.78	-50.80	0.0	0.0	0.0
903	221	0.03	9.04	-51.41	0.0	0.0	0.0
903	224	-0.04	-8.89	-34.13	0.0	0.0	0.0
903	241	-5.28e-03	0.08	-29.78	0.0	0.0	0.0
903	261	-1.31e-03	-0.06	-29.30	0.0	0.0	0.0
903	268	-9.11e-03	1.16	-53.82	0.0	0.0	0.0
903	297	-4.37e-03	0.04	-29.67	0.0	0.0	0.0
903	298	-7.25e-03	0.08	-44.95	0.0	0.0	0.0
903	304	-3.76e-03	0.02	-29.59	0.0	0.0	0.0
903	309	-4.37e-03	0.04	-29.67	0.0	0.0	0.0
903	310	-6.84e-03	0.07	-42.77	0.0	0.0	0.0
907	1	-0.01	0.12	-41.86	0.0	0.0	0.0
907	45	3.79e-03	-0.11	-26.33	0.0	0.0	0.0
907	52	-0.02	1.75	-78.71	0.0	0.0	0.0
907	113	0.06	-2.57	-54.26	0.0	0.0	0.0
907	125	0.07	6.59	-55.67	0.0	0.0	0.0
907	128	-0.09	-6.42	-30.76	0.0	0.0	0.0
907	145	0.07	-2.85	-55.66	0.0	0.0	0.0
907	157	0.08	7.44	-57.23	0.0	0.0	0.0
907	160	-0.10	-7.27	-29.20	0.0	0.0	0.0
907	177	0.07	-2.53	-55.65	0.0	0.0	0.0
907	189	0.08	7.61	-57.12	0.0	0.0	0.0
907	192	-0.10	-7.44	-29.31	0.0	0.0	0.0
907	209	0.08	-2.77	-57.86	0.0	0.0	0.0
907	221	0.09	9.03	-59.45	0.0	0.0	0.0
907	224	-0.12	-8.86	-26.98	0.0	0.0	0.0
907	241	-0.01	0.08	-30.16	0.0	0.0	0.0
907	261	-7.16e-04	-0.05	-29.28	0.0	0.0	0.0
907	268	-0.02	1.17	-54.73	0.0	0.0	0.0
907	297	-8.16e-03	0.05	-29.95	0.0	0.0	0.0
907	298	-0.01	0.09	-45.43	0.0	0.0	0.0
907	304	-6.67e-03	0.03	-29.82	0.0	0.0	0.0
907	309	-8.16e-03	0.05	-29.95	0.0	0.0	0.0
907	310	-0.01	0.09	-43.22	0.0	0.0	0.0
911	1	-0.03	0.13	-43.36	0.0	0.0	0.0
911	45	0.01	-0.10	-25.59	0.0	0.0	0.0
911	52	-0.04	1.75	-81.61	0.0	0.0	0.0
911	113	-0.27	-2.67	-71.58	0.0	0.0	0.0
911	125	-0.27	6.56	-74.45	0.0	0.0	0.0
911	128	0.23	-6.37	-14.34	0.0	0.0	0.0
911	145	-0.30	-2.97	-74.98	0.0	0.0	0.0
911	157	-0.30	7.40	-78.22	0.0	0.0	0.0
911	160	0.26	-7.22	-10.57	0.0	0.0	0.0
911	177	-0.30	-2.65	-74.90	0.0	0.0	0.0
911	189	-0.30	7.57	-77.92	0.0	0.0	0.0
911	192	0.25	-7.39	-10.87	0.0	0.0	0.0
911	209	-0.35	-2.91	-80.26	0.0	0.0	0.0
911	221	-0.34	8.98	-83.52	0.0	0.0	0.0

911	224	0.30	-8.80	-5.27	0.0	0.0	0.0
911	241	-0.02	0.09	-31.28	0.0	0.0	0.0
911	261	1.50e-03	-0.04	-29.04	0.0	0.0	0.0
911	268	-0.03	1.17	-56.79	0.0	0.0	0.0
911	297	-0.01	0.06	-30.77	0.0	0.0	0.0
911	298	-0.02	0.10	-46.67	0.0	0.0	0.0
911	304	-0.01	0.04	-30.42	0.0	0.0	0.0
911	309	-0.01	0.06	-30.77	0.0	0.0	0.0
911	310	-0.02	0.09	-44.40	0.0	0.0	0.0
915	1	1.30	0.15	-55.48	0.0	0.0	0.0
915	4	2.19	0.23	-104.09	0.0	0.0	0.0
915	45	-0.14	-0.09	-26.56	0.0	0.0	0.0
915	113	7.80	-2.31	-145.32	0.0	0.0	0.0
915	125	7.18	6.21	-152.51	0.0	0.0	0.0
915	128	-5.05	-6.00	41.64	0.0	0.0	0.0
915	145	8.63	-2.56	-156.55	0.0	0.0	0.0
915	157	7.94	7.01	-164.66	0.0	0.0	0.0
915	160	-5.81	-6.80	53.79	0.0	0.0	0.0
915	177	8.52	-2.26	-155.97	0.0	0.0	0.0
915	189	7.82	7.17	-163.55	0.0	0.0	0.0
915	192	-5.69	-6.96	52.68	0.0	0.0	0.0
915	209	9.77	-2.48	-173.46	0.0	0.0	0.0
915	221	8.92	8.51	-181.51	0.0	0.0	0.0
915	224	-6.78	-8.30	70.64	0.0	0.0	0.0
915	241	0.93	0.10	-40.08	0.0	0.0	0.0
915	244	1.52	0.16	-72.48	0.0	0.0	0.0
915	261	0.20	-0.03	-32.51	0.0	0.0	0.0
915	297	0.76	0.07	-38.33	0.0	0.0	0.0
915	298	1.12	0.11	-58.29	0.0	0.0	0.0
915	304	0.65	0.05	-37.17	0.0	0.0	0.0
915	309	0.76	0.07	-38.33	0.0	0.0	0.0
915	310	1.07	0.10	-55.44	0.0	0.0	0.0
963	1	-0.03	0.20	-43.84	0.0	0.0	0.0
963	45	0.01	-0.07	-25.92	0.0	0.0	0.0
963	52	-0.04	1.67	-87.78	0.0	0.0	0.0
963	113	-0.26	-1.92	-75.92	0.0	0.0	0.0
963	141	-0.13	17.88	-96.48	0.0	0.0	0.0
963	144	0.09	-17.57	3.76	0.0	0.0	0.0
963	145	-0.29	-2.13	-79.75	0.0	0.0	0.0
963	173	-0.15	20.20	-103.03	0.0	0.0	0.0
963	176	0.10	-19.89	10.31	0.0	0.0	0.0
963	177	-0.29	-1.86	-80.36	0.0	0.0	0.0
963	205	-0.15	20.70	-104.22	0.0	0.0	0.0
963	208	0.10	-20.39	11.50	0.0	0.0	0.0
963	209	-0.34	-2.03	-86.86	0.0	0.0	0.0
963	237	-0.17	24.59	-115.01	0.0	0.0	0.0
963	240	0.13	-24.28	22.29	0.0	0.0	0.0
963	241	-0.02	0.14	-31.74	0.0	0.0	0.0
963	261	1.62e-03	-3.73e-03	-29.31	0.0	0.0	0.0
963	268	-0.03	1.12	-61.03	0.0	0.0	0.0
963	297	-0.01	0.11	-31.18	0.0	0.0	0.0
963	298	-0.02	0.16	-48.89	0.0	0.0	0.0
963	304	-0.01	0.09	-30.81	0.0	0.0	0.0
963	309	-0.01	0.11	-31.18	0.0	0.0	0.0
963	310	-0.02	0.15	-46.36	0.0	0.0	0.0
967	1	-0.02	0.26	-36.03	0.0	0.0	0.0
967	52	-0.03	1.80	-75.48	0.0	0.0	0.0
967	93	-7.06e-03	-1.01	-22.07	0.0	0.0	0.0
967	113	-0.12	-1.96	-59.33	0.0	0.0	0.0
967	141	-4.79e-03	18.07	-85.42	0.0	0.0	0.0
967	144	-0.02	-17.62	6.36	0.0	0.0	0.0
967	145	-0.14	-2.19	-61.93	0.0	0.0	0.0
967	173	-3.90e-03	20.41	-91.42	0.0	0.0	0.0
967	176	-0.02	-19.96	12.36	0.0	0.0	0.0
967	177	-0.13	-1.91	-62.59	0.0	0.0	0.0
967	205	-5.11e-03	20.91	-92.65	0.0	0.0	0.0
967	208	-0.02	-20.47	13.59	0.0	0.0	0.0
967	209	-0.15	-2.10	-67.20	0.0	0.0	0.0
967	237	-4.48e-03	24.82	-102.64	0.0	0.0	0.0
967	240	-0.02	-24.38	23.58	0.0	0.0	0.0
967	241	-0.01	0.19	-26.10	0.0	0.0	0.0
967	268	-0.02	1.21	-52.40	0.0	0.0	0.0
967	285	-8.05e-03	-0.62	-24.70	0.0	0.0	0.0
967	297	-8.40e-03	0.15	-25.86	0.0	0.0	0.0
967	298	-0.01	0.24	-41.81	0.0	0.0	0.0

967	308	-8.33e-03	-9.01e-04	-25.62	0.0	0.0	0.0
967	309	-8.40e-03	0.15	-25.86	0.0	0.0	0.0
967	310	-0.01	0.22	-39.53	0.0	0.0	0.0
971	1	-8.82e-03	0.27	-21.20	0.0	0.0	0.0
971	52	-0.02	1.80	-46.28	0.0	0.0	0.0
971	93	-4.20e-03	-1.00	-13.26	0.0	0.0	0.0
971	113	0.03	-1.96	-32.87	0.0	0.0	0.0
971	137	-6.80e-03	16.05	-43.74	0.0	0.0	0.0
971	140	-8.93e-03	-15.58	-5.13	0.0	0.0	0.0
971	145	0.03	-2.19	-33.97	0.0	0.0	0.0
971	169	-6.76e-03	18.14	-46.27	0.0	0.0	0.0
971	172	-8.97e-03	-17.67	-2.60	0.0	0.0	0.0
971	177	0.03	-1.91	-34.20	0.0	0.0	0.0
971	201	-7.37e-03	18.68	-46.83	0.0	0.0	0.0
971	204	-8.36e-03	-18.21	-2.05	0.0	0.0	0.0
971	209	0.03	-2.10	-36.12	0.0	0.0	0.0
971	233	-7.49e-03	22.21	-51.07	0.0	0.0	0.0
971	236	-8.24e-03	-21.74	2.20	0.0	0.0	0.0
971	241	-6.22e-03	0.19	-15.36	0.0	0.0	0.0
971	268	-0.01	1.21	-32.08	0.0	0.0	0.0
971	285	-4.79e-03	-0.60	-14.74	0.0	0.0	0.0
971	297	-4.99e-03	0.16	-15.27	0.0	0.0	0.0
971	298	-8.34e-03	0.25	-25.96	0.0	0.0	0.0
971	308	-4.95e-03	5.03e-03	-15.17	0.0	0.0	0.0
971	309	-4.99e-03	0.16	-15.27	0.0	0.0	0.0
971	310	-7.87e-03	0.23	-24.44	0.0	0.0	0.0
975	1	-3.92e-03	0.22	-14.07	0.0	0.0	0.0
975	52	-6.99e-03	1.70	-32.16	0.0	0.0	0.0
975	93	-1.92e-03	-1.01	-8.92	0.0	0.0	0.0
975	113	0.03	-2.00	-18.91	0.0	0.0	0.0
975	137	2.99e-04	15.81	-21.17	0.0	0.0	0.0
975	140	-7.48e-03	-15.42	-13.04	0.0	0.0	0.0
975	145	0.04	-2.23	-19.15	0.0	0.0	0.0
975	169	7.44e-04	17.87	-21.70	0.0	0.0	0.0
975	172	-7.93e-03	-17.49	-12.50	0.0	0.0	0.0
975	177	0.03	-1.96	-19.19	0.0	0.0	0.0
975	201	3.91e-04	18.41	-21.81	0.0	0.0	0.0
975	204	-7.58e-03	-18.02	-12.39	0.0	0.0	0.0
975	209	0.04	-2.15	-19.59	0.0	0.0	0.0
975	233	1.05e-03	21.89	-22.71	0.0	0.0	0.0
975	236	-8.23e-03	-21.51	-11.50	0.0	0.0	0.0
975	241	-2.77e-03	0.16	-10.19	0.0	0.0	0.0
975	268	-4.82e-03	1.15	-22.26	0.0	0.0	0.0
975	285	-2.19e-03	-0.62	-9.88	0.0	0.0	0.0
975	297	-2.28e-03	0.13	-10.17	0.0	0.0	0.0
975	298	-3.81e-03	0.20	-18.26	0.0	0.0	0.0
975	308	-2.26e-03	-0.02	-10.11	0.0	0.0	0.0
975	309	-2.28e-03	0.13	-10.17	0.0	0.0	0.0
975	310	-3.59e-03	0.19	-17.10	0.0	0.0	0.0
979	1	6.74e-04	0.24	-14.63	0.0	0.0	0.0
979	52	1.03e-03	1.94	-36.02	0.0	0.0	0.0
979	93	2.65e-04	-1.18	-7.51	0.0	0.0	0.0
979	113	0.08	-2.33	-13.52	0.0	0.0	0.0
979	138	0.01	-21.94	21.48	0.0	0.0	0.0
979	139	-0.01	22.34	-57.61	0.0	0.0	0.0
979	145	0.09	-2.60	-13.04	0.0	0.0	0.0
979	170	0.01	-24.83	26.64	0.0	0.0	0.0
979	171	-0.01	25.23	-62.76	0.0	0.0	0.0
979	177	0.09	-2.28	-13.61	0.0	0.0	0.0
979	202	0.01	-25.36	27.58	0.0	0.0	0.0
979	203	-0.01	25.76	-63.70	0.0	0.0	0.0
979	209	0.11	-2.50	-13.21	0.0	0.0	0.0
979	234	0.01	-30.14	36.12	0.0	0.0	0.0
979	235	-0.01	30.54	-72.24	0.0	0.0	0.0
979	241	4.72e-04	0.17	-10.59	0.0	0.0	0.0
979	268	7.09e-04	1.30	-24.86	0.0	0.0	0.0
979	285	3.09e-04	-0.74	-9.08	0.0	0.0	0.0
979	297	3.33e-04	0.13	-10.53	0.0	0.0	0.0
979	298	5.54e-04	0.21	-19.32	0.0	0.0	0.0
979	308	3.28e-04	-0.04	-10.24	0.0	0.0	0.0
979	309	3.33e-04	0.13	-10.53	0.0	0.0	0.0
979	310	5.23e-04	0.20	-18.06	0.0	0.0	0.0
983	1	3.54e-03	0.12	-8.53	0.0	0.0	0.0
983	68	4.97e-03	1.60	-26.21	0.0	0.0	0.0
983	93	1.56e-03	-0.66	-0.41	0.0	0.0	0.0

983	113	0.06	-1.33	0.41	0.0	0.0	0.0
983	138	0.01	-12.43	82.55	0.0	0.0	0.0
983	139	-5.86e-03	12.63	-103.32	0.0	0.0	0.0
983	145	0.07	-1.48	1.54	0.0	0.0	0.0
983	170	0.01	-14.07	94.67	0.0	0.0	0.0
983	171	-6.93e-03	14.27	-115.44	0.0	0.0	0.0
983	177	0.07	-1.30	0.21	0.0	0.0	0.0
983	202	0.01	-14.37	96.88	0.0	0.0	0.0
983	203	-6.77e-03	14.57	-117.65	0.0	0.0	0.0
983	209	0.08	-1.43	1.17	0.0	0.0	0.0
983	234	0.01	-17.07	116.94	0.0	0.0	0.0
983	235	-8.41e-03	17.27	-137.71	0.0	0.0	0.0
983	241	2.49e-03	0.09	-6.16	0.0	0.0	0.0
983	276	3.44e-03	1.07	-17.95	0.0	0.0	0.0
983	285	1.78e-03	-0.41	-2.61	0.0	0.0	0.0
983	297	1.86e-03	0.07	-6.02	0.0	0.0	0.0
983	307	2.95e-03	0.29	-11.75	0.0	0.0	0.0
983	308	1.84e-03	-0.03	-5.34	0.0	0.0	0.0
983	309	1.86e-03	0.07	-6.02	0.0	0.0	0.0
983	310	2.92e-03	0.10	-10.38	0.0	0.0	0.0
1011	1	-7.81e-03	0.36	-16.78	0.0	0.0	0.0
1011	28	0.03	0.46	-28.65	0.0	0.0	0.0
1011	69	-2.85e-03	1.99	-7.36	0.0	0.0	0.0
1011	113	-0.39	-5.60	26.81	0.0	0.0	0.0
1011	141	-0.18	16.42	49.05	0.0	0.0	0.0
1011	144	0.19	-15.80	-81.36	0.0	0.0	0.0
1011	145	-0.44	-6.29	32.32	0.0	0.0	0.0
1011	173	-0.20	18.53	57.56	0.0	0.0	0.0
1011	176	0.21	-17.91	-89.86	0.0	0.0	0.0
1011	177	-0.43	-5.96	32.92	0.0	0.0	0.0
1011	205	-0.21	18.92	59.05	0.0	0.0	0.0
1011	208	0.21	-18.30	-91.35	0.0	0.0	0.0
1011	209	-0.51	-6.85	42.11	0.0	0.0	0.0
1011	237	-0.24	22.42	73.01	0.0	0.0	0.0
1011	240	0.25	-21.79	-105.32	0.0	0.0	0.0
1011	241	-5.05e-03	0.27	-12.21	0.0	0.0	0.0
1011	256	0.02	0.34	-20.12	0.0	0.0	0.0
1011	273	-6.83e-04	1.43	-9.91	0.0	0.0	0.0
1011	297	2.96e-03	0.28	-12.92	0.0	0.0	0.0
1011	298	4.30e-03	0.32	-16.69	0.0	0.0	0.0
1011	306	2.23e-03	0.51	-12.32	0.0	0.0	0.0
1011	309	2.96e-03	0.28	-12.92	0.0	0.0	0.0
1011	310	4.11e-03	0.31	-16.15	0.0	0.0	0.0
1015	1	-3.49e-03	-0.34	-25.05	0.0	0.0	0.0
1015	28	8.18e-03	-0.95	-41.26	0.0	0.0	0.0
1015	69	-1.56e-03	1.99	-13.70	0.0	0.0	0.0
1015	113	0.10	-6.07	-4.19	0.0	0.0	0.0
1015	141	5.83e-03	16.08	5.28	0.0	0.0	0.0
1015	144	-5.14e-03	-16.92	-52.82	0.0	0.0	0.0
1015	145	0.12	-6.73	-1.68	0.0	0.0	0.0
1015	173	6.33e-03	18.24	9.07	0.0	0.0	0.0
1015	176	-5.64e-03	-19.08	-56.60	0.0	0.0	0.0
1015	177	0.11	-6.40	-1.41	0.0	0.0	0.0
1015	205	5.06e-03	18.65	9.73	0.0	0.0	0.0
1015	208	-4.37e-03	-19.49	-57.27	0.0	0.0	0.0
1015	209	0.13	-7.24	2.77	0.0	0.0	0.0
1015	237	5.03e-03	22.23	15.95	0.0	0.0	0.0
1015	240	-4.34e-03	-23.06	-63.49	0.0	0.0	0.0
1015	241	-2.40e-03	-0.25	-18.12	0.0	0.0	0.0
1015	256	5.38e-03	-0.65	-28.93	0.0	0.0	0.0
1015	273	-9.65e-04	1.20	-16.42	0.0	0.0	0.0
1015	297	9.42e-06	-0.32	-18.67	0.0	0.0	0.0
1015	298	4.01e-04	-0.44	-24.62	0.0	0.0	0.0
1015	306	-1.86e-04	-0.01	-18.22	0.0	0.0	0.0
1015	309	9.42e-06	-0.32	-18.67	0.0	0.0	0.0
1015	310	3.45e-04	-0.42	-23.77	0.0	0.0	0.0
1019	1	5.79e-06	-0.35	-27.54	0.0	0.0	0.0
1019	28	-2.22e-03	-0.98	-44.81	0.0	0.0	0.0
1019	69	-1.48e-03	1.96	-16.85	0.0	0.0	0.0
1019	113	0.10	-5.98	-14.07	0.0	0.0	0.0
1019	141	0.04	16.15	-11.79	0.0	0.0	0.0
1019	144	-0.04	-17.02	-40.25	0.0	0.0	0.0
1019	145	0.11	-6.63	-12.55	0.0	0.0	0.0
1019	173	0.04	18.32	-9.94	0.0	0.0	0.0
1019	176	-0.04	-19.19	-42.10	0.0	0.0	0.0

1019	177	0.11	-6.30	-12.47	0.0	0.0	0.0
1019	205	0.04	18.73	-9.63	0.0	0.0	0.0
1019	208	-0.04	-19.60	-42.41	0.0	0.0	0.0
1019	209	0.13	-7.13	-9.99	0.0	0.0	0.0
1019	237	0.05	22.33	-6.60	0.0	0.0	0.0
1019	240	-0.05	-23.19	-45.44	0.0	0.0	0.0
1019	241	-7.77e-05	-0.26	-19.86	0.0	0.0	0.0
1019	256	-1.56e-03	-0.67	-31.37	0.0	0.0	0.0
1019	273	-1.17e-03	1.18	-19.14	0.0	0.0	0.0
1019	297	-5.66e-04	-0.33	-20.15	0.0	0.0	0.0
1019	298	-5.65e-04	-0.45	-27.00	0.0	0.0	0.0
1019	306	-6.87e-04	-0.03	-19.95	0.0	0.0	0.0
1019	309	-5.66e-04	-0.33	-20.15	0.0	0.0	0.0
1019	310	-5.65e-04	-0.43	-26.02	0.0	0.0	0.0
1023	1	8.63e-04	-0.36	-30.75	0.0	0.0	0.0
1023	19	1.92e-03	-0.13	-19.83	0.0	0.0	0.0
1023	28	-3.45e-03	-1.01	-50.12	0.0	0.0	0.0
1023	113	0.15	-5.90	-19.82	0.0	0.0	0.0
1023	116	-0.15	5.00	-38.37	0.0	0.0	0.0
1023	145	0.16	-6.53	-18.67	0.0	0.0	0.0
1023	148	-0.16	5.64	-39.52	0.0	0.0	0.0
1023	177	0.16	-6.21	-18.76	0.0	0.0	0.0
1023	180	-0.16	5.31	-39.44	0.0	0.0	0.0
1023	209	0.19	-7.01	-16.98	0.0	0.0	0.0
1023	212	-0.19	6.12	-41.22	0.0	0.0	0.0
1023	241	5.41e-04	-0.27	-22.14	0.0	0.0	0.0
1023	248	1.14e-03	-0.22	-22.01	0.0	0.0	0.0
1023	256	-2.34e-03	-0.70	-35.05	0.0	0.0	0.0
1023	297	-3.63e-04	-0.34	-22.34	0.0	0.0	0.0
1023	298	-4.69e-04	-0.47	-30.22	0.0	0.0	0.0
1023	302	-6.16e-05	-0.32	-22.27	0.0	0.0	0.0
1023	309	-3.63e-04	-0.34	-22.34	0.0	0.0	0.0
1023	310	-4.54e-04	-0.45	-29.10	0.0	0.0	0.0
1027	1	8.23e-04	-0.39	-35.50	0.0	0.0	0.0
1027	52	-8.88e-04	0.50	-58.21	0.0	0.0	0.0
1027	93	2.25e-04	-1.43	-22.92	0.0	0.0	0.0
1027	113	0.12	-5.84	-23.60	0.0	0.0	0.0
1027	118	0.11	-13.60	-20.96	0.0	0.0	0.0
1027	119	-0.11	12.67	-46.40	0.0	0.0	0.0
1027	145	0.14	-6.46	-22.37	0.0	0.0	0.0
1027	150	0.12	-15.24	-19.39	0.0	0.0	0.0
1027	151	-0.12	14.30	-47.97	0.0	0.0	0.0
1027	177	0.13	-6.13	-22.58	0.0	0.0	0.0
1027	182	0.12	-15.11	-19.61	0.0	0.0	0.0
1027	183	-0.12	14.17	-47.75	0.0	0.0	0.0
1027	209	0.16	-6.93	-20.77	0.0	0.0	0.0
1027	214	0.14	-17.62	-17.27	0.0	0.0	0.0
1027	215	-0.14	16.68	-50.09	0.0	0.0	0.0
1027	241	5.52e-04	-0.28	-25.53	0.0	0.0	0.0
1027	268	-5.88e-04	0.30	-40.67	0.0	0.0	0.0
1027	285	8.26e-05	-1.09	-25.40	0.0	0.0	0.0
1027	297	-1.36e-04	-0.36	-25.68	0.0	0.0	0.0
1027	298	-2.64e-04	-0.49	-35.01	0.0	0.0	0.0
1027	308	-9.20e-05	-0.50	-25.62	0.0	0.0	0.0
1027	309	-1.36e-04	-0.36	-25.68	0.0	0.0	0.0
1027	310	-2.46e-04	-0.47	-33.68	0.0	0.0	0.0
1031	1	7.20e-04	-0.41	-43.66	0.0	0.0	0.0
1031	52	-2.91e-04	0.42	-74.21	0.0	0.0	0.0
1031	93	3.45e-05	-1.41	-26.35	0.0	0.0	0.0
1031	113	0.10	-5.65	-21.57	0.0	0.0	0.0
1031	138	0.01	-18.60	-2.63	0.0	0.0	0.0
1031	139	-0.01	17.62	-80.39	0.0	0.0	0.0
1031	145	0.12	-6.24	-19.18	0.0	0.0	0.0
1031	170	0.01	-20.94	2.38	0.0	0.0	0.0
1031	171	-0.02	19.96	-85.40	0.0	0.0	0.0
1031	177	0.11	-5.93	-19.95	0.0	0.0	0.0
1031	202	0.01	-21.27	2.92	0.0	0.0	0.0
1031	203	-0.01	20.29	-85.94	0.0	0.0	0.0
1031	209	0.13	-6.69	-16.66	0.0	0.0	0.0
1031	234	0.02	-25.11	11.02	0.0	0.0	0.0
1031	235	-0.02	24.13	-94.04	0.0	0.0	0.0
1031	241	5.07e-04	-0.30	-31.38	0.0	0.0	0.0
1031	268	-1.68e-04	0.25	-51.74	0.0	0.0	0.0
1031	285	1.41e-06	-1.09	-29.97	0.0	0.0	0.0
1031	297	1.04e-05	-0.37	-31.44	0.0	0.0	0.0

1031	298	-1.20e-04	-0.51	-43.19	0.0	0.0	0.0
1031	308	8.59e-06	-0.52	-31.14	0.0	0.0	0.0
1031	309	1.04e-05	-0.37	-31.44	0.0	0.0	0.0
1031	310	-1.02e-04	-0.49	-41.51	0.0	0.0	0.0
1035	1	4.60e-04	-0.20	-24.97	0.0	0.0	0.0
1035	52	-7.81e-05	0.18	-45.55	0.0	0.0	0.0
1035	93	-2.15e-04	-0.67	-12.15	0.0	0.0	0.0
1035	113	0.04	-2.73	0.83	0.0	0.0	0.0
1035	138	0.02	-8.99	45.69	0.0	0.0	0.0
1035	139	-0.02	8.51	-92.83	0.0	0.0	0.0
1035	145	0.04	-3.02	3.70	0.0	0.0	0.0
1035	170	0.02	-10.13	54.65	0.0	0.0	0.0
1035	171	-0.02	9.65	-101.80	0.0	0.0	0.0
1035	177	0.04	-2.87	2.45	0.0	0.0	0.0
1035	202	0.02	-10.28	55.83	0.0	0.0	0.0
1035	203	-0.02	9.80	-102.97	0.0	0.0	0.0
1035	209	0.05	-3.23	6.21	0.0	0.0	0.0
1035	234	0.02	-12.14	70.44	0.0	0.0	0.0
1035	235	-0.02	11.66	-117.58	0.0	0.0	0.0
1035	241	3.23e-04	-0.15	-17.93	0.0	0.0	0.0
1035	268	-3.61e-05	0.11	-31.64	0.0	0.0	0.0
1035	285	-1.70e-04	-0.52	-15.11	0.0	0.0	0.0
1035	297	-2.26e-05	-0.18	-17.77	0.0	0.0	0.0
1035	307	-7.27e-05	-0.11	-24.63	0.0	0.0	0.0
1035	308	-5.21e-05	-0.25	-17.24	0.0	0.0	0.0
1035	309	-2.26e-05	-0.18	-17.77	0.0	0.0	0.0
1035	310	-1.32e-04	-0.24	-23.57	0.0	0.0	0.0
1066	1	-1.02	0.46	-27.24	0.0	0.0	0.0
1066	28	-2.82	0.72	-58.44	0.0	0.0	0.0
1066	69	-0.86	1.27	-15.31	0.0	0.0	0.0
1066	113	4.59	-2.64	50.26	0.0	0.0	0.0
1066	125	4.57	2.41	63.04	0.0	0.0	0.0
1066	128	-7.13	-1.54	-122.93	0.0	0.0	0.0
1066	145	5.30	-3.00	60.22	0.0	0.0	0.0
1066	157	5.29	2.67	74.65	0.0	0.0	0.0
1066	160	-7.86	-1.81	-134.54	0.0	0.0	0.0
1066	177	5.19	-2.83	59.38	0.0	0.0	0.0
1066	189	5.18	2.75	73.44	0.0	0.0	0.0
1066	192	-7.74	-1.89	-133.33	0.0	0.0	0.0
1066	209	6.25	-3.30	74.72	0.0	0.0	0.0
1066	221	6.23	3.19	90.53	0.0	0.0	0.0
1066	224	-8.79	-2.33	-150.42	0.0	0.0	0.0
1066	241	-0.76	0.33	-19.87	0.0	0.0	0.0
1066	256	-1.95	0.50	-40.66	0.0	0.0	0.0
1066	273	-0.94	0.97	-18.57	0.0	0.0	0.0
1066	297	-0.94	0.31	-21.57	0.0	0.0	0.0
1066	298	-1.34	0.45	-31.34	0.0	0.0	0.0
1066	306	-0.94	0.44	-20.97	0.0	0.0	0.0
1066	309	-0.94	0.31	-21.57	0.0	0.0	0.0
1066	310	-1.28	0.43	-29.95	0.0	0.0	0.0
1069	1	0.02	0.81	-25.91	0.0	0.0	0.0
1069	19	4.52e-03	0.61	-16.16	0.0	0.0	0.0
1069	28	0.05	1.19	-51.62	0.0	0.0	0.0
1069	113	-0.16	-5.10	8.12	0.0	0.0	0.0
1069	116	0.21	6.59	-63.52	0.0	0.0	0.0
1069	145	-0.18	-5.78	12.53	0.0	0.0	0.0
1069	148	0.23	7.27	-67.93	0.0	0.0	0.0
1069	177	-0.18	-5.45	11.91	0.0	0.0	0.0
1069	180	0.23	6.94	-67.31	0.0	0.0	0.0
1069	209	-0.21	-6.34	18.52	0.0	0.0	0.0
1069	212	0.26	7.83	-73.93	0.0	0.0	0.0
1069	241	0.01	0.58	-18.83	0.0	0.0	0.0
1069	248	9.30e-03	0.61	-18.34	0.0	0.0	0.0
1069	256	0.04	0.84	-35.97	0.0	0.0	0.0
1069	297	0.02	0.53	-19.56	0.0	0.0	0.0
1069	298	0.02	0.78	-29.06	0.0	0.0	0.0
1069	302	0.01	0.55	-19.32	0.0	0.0	0.0
1069	309	0.02	0.53	-19.56	0.0	0.0	0.0
1069	310	0.02	0.74	-27.70	0.0	0.0	0.0
1075	1	9.53e-03	0.73	-14.29	0.0	0.0	0.0
1075	19	4.35e-03	0.56	-9.28	0.0	0.0	0.0
1075	28	0.03	1.01	-28.53	0.0	0.0	0.0
1075	113	0.05	-4.92	-6.80	0.0	0.0	0.0
1075	118	0.05	-12.55	-5.72	0.0	0.0	0.0
1075	119	-0.02	13.86	-25.50	0.0	0.0	0.0

1075	145	0.06	-5.57	-5.72	0.0	0.0	0.0
1075	150	0.05	-14.20	-4.51	0.0	0.0	0.0
1075	151	-0.03	15.50	-26.72	0.0	0.0	0.0
1075	177	0.06	-5.25	-5.88	0.0	0.0	0.0
1075	182	0.05	-14.06	-4.69	0.0	0.0	0.0
1075	183	-0.03	15.37	-26.54	0.0	0.0	0.0
1075	209	0.06	-6.08	-4.26	0.0	0.0	0.0
1075	214	0.06	-16.59	-2.87	0.0	0.0	0.0
1075	215	-0.03	17.90	-28.35	0.0	0.0	0.0
1075	241	6.91e-03	0.52	-10.41	0.0	0.0	0.0
1075	248	6.12e-03	0.56	-10.26	0.0	0.0	0.0
1075	256	0.02	0.70	-19.90	0.0	0.0	0.0
1075	297	8.10e-03	0.47	-10.62	0.0	0.0	0.0
1075	298	0.01	0.68	-16.44	0.0	0.0	0.0
1075	302	7.71e-03	0.48	-10.55	0.0	0.0	0.0
1075	309	8.10e-03	0.47	-10.62	0.0	0.0	0.0
1075	310	0.01	0.65	-15.61	0.0	0.0	0.0
1079	1	4.23e-03	0.67	-8.55	0.0	0.0	0.0
1079	19	2.41e-03	0.53	-5.74	0.0	0.0	0.0
1079	28	9.21e-03	0.87	-17.53	0.0	0.0	0.0
1079	113	0.05	-4.85	-7.79	0.0	0.0	0.0
1079	118	0.05	-12.44	-7.57	0.0	0.0	0.0
1079	119	-0.04	13.61	-11.87	0.0	0.0	0.0
1079	145	0.06	-5.49	-7.55	0.0	0.0	0.0
1079	150	0.05	-14.06	-7.31	0.0	0.0	0.0
1079	151	-0.04	15.23	-12.14	0.0	0.0	0.0
1079	177	0.06	-5.17	-7.59	0.0	0.0	0.0
1079	182	0.05	-13.93	-7.35	0.0	0.0	0.0
1079	183	-0.04	15.10	-12.10	0.0	0.0	0.0
1079	209	0.07	-5.97	-7.23	0.0	0.0	0.0
1079	214	0.06	-16.43	-6.96	0.0	0.0	0.0
1079	215	-0.05	17.59	-12.49	0.0	0.0	0.0
1079	241	3.04e-03	0.47	-6.26	0.0	0.0	0.0
1079	248	2.90e-03	0.51	-6.22	0.0	0.0	0.0
1079	256	6.37e-03	0.61	-12.24	0.0	0.0	0.0
1079	297	3.25e-03	0.41	-6.31	0.0	0.0	0.0
1079	298	4.98e-03	0.61	-10.29	0.0	0.0	0.0
1079	302	3.18e-03	0.43	-6.29	0.0	0.0	0.0
1079	309	3.25e-03	0.41	-6.31	0.0	0.0	0.0
1079	310	4.73e-03	0.58	-9.72	0.0	0.0	0.0
1083	1	2.55e-05	0.62	-6.71	0.0	0.0	0.0
1083	51	-2.82e-04	2.17	-14.42	0.0	0.0	0.0
1083	94	-3.72e-04	-0.64	-4.18	0.0	0.0	0.0
1083	113	0.07	-4.81	-7.15	0.0	0.0	0.0
1083	138	9.31e-03	-17.68	-5.06	0.0	0.0	0.0
1083	139	-9.88e-03	18.76	-10.55	0.0	0.0	0.0
1083	145	0.08	-5.43	-7.07	0.0	0.0	0.0
1083	170	0.01	-20.04	-4.71	0.0	0.0	0.0
1083	171	-0.01	21.12	-10.91	0.0	0.0	0.0
1083	177	0.08	-5.11	-7.12	0.0	0.0	0.0
1083	202	9.93e-03	-20.37	-4.66	0.0	0.0	0.0
1083	203	-0.01	21.45	-10.96	0.0	0.0	0.0
1083	209	0.09	-5.90	-7.03	0.0	0.0	0.0
1083	234	0.01	-24.23	-4.07	0.0	0.0	0.0
1083	235	-0.01	25.31	-11.54	0.0	0.0	0.0
1083	241	2.55e-06	0.44	-4.92	0.0	0.0	0.0
1083	267	-2.02e-04	1.47	-10.06	0.0	0.0	0.0
1083	286	-3.25e-04	-0.28	-4.62	0.0	0.0	0.0
1083	297	-1.96e-04	0.38	-4.90	0.0	0.0	0.0
1083	298	-2.99e-04	0.56	-8.29	0.0	0.0	0.0
1083	308	-2.19e-04	0.24	-4.85	0.0	0.0	0.0
1083	309	-1.96e-04	0.38	-4.90	0.0	0.0	0.0
1083	310	-2.84e-04	0.54	-7.81	0.0	0.0	0.0
1087	1	-3.94e-03	0.71	-6.87	0.0	0.0	0.0
1087	51	-8.69e-03	2.50	-16.90	0.0	0.0	0.0
1087	94	-3.47e-03	-0.76	-2.20	0.0	0.0	0.0
1087	113	0.10	-5.55	1.49	0.0	0.0	0.0
1087	138	0.04	-20.45	30.90	0.0	0.0	0.0
1087	139	-0.05	21.67	-46.71	0.0	0.0	0.0
1087	145	0.11	-6.27	2.57	0.0	0.0	0.0
1087	170	0.04	-23.18	35.93	0.0	0.0	0.0
1087	171	-0.05	24.40	-51.75	0.0	0.0	0.0
1087	177	0.11	-5.90	1.91	0.0	0.0	0.0
1087	202	0.04	-23.57	36.67	0.0	0.0	0.0
1087	203	-0.05	24.79	-52.49	0.0	0.0	0.0

1087	209	0.13	-6.81	3.24	0.0	0.0	0.0
1087	234	0.05	-28.03	44.93	0.0	0.0	0.0
1087	235	-0.06	29.25	-60.75	0.0	0.0	0.0
1087	241	-2.86e-03	0.50	-5.03	0.0	0.0	0.0
1087	267	-6.03e-03	1.69	-11.72	0.0	0.0	0.0
1087	286	-3.68e-03	-0.34	-3.27	0.0	0.0	0.0
1087	297	-3.43e-03	0.43	-4.84	0.0	0.0	0.0
1087	307	-4.99e-03	0.93	-8.50	0.0	0.0	0.0
1087	308	-3.43e-03	0.27	-4.55	0.0	0.0	0.0
1087	309	-3.43e-03	0.43	-4.84	0.0	0.0	0.0
1087	310	-5.00e-03	0.61	-7.91	0.0	0.0	0.0
1091	1	-4.40e-03	0.39	-4.37	0.0	0.0	0.0
1091	67	-8.74e-03	1.84	-16.57	0.0	0.0	0.0
1091	94	-3.81e-03	-0.42	2.27	0.0	0.0	0.0
1091	113	0.05	-3.16	17.56	0.0	0.0	0.0
1091	138	0.02	-11.62	80.66	0.0	0.0	0.0
1091	139	-0.04	12.29	-89.85	0.0	0.0	0.0
1091	145	0.06	-3.57	20.12	0.0	0.0	0.0
1091	170	0.03	-13.17	91.71	0.0	0.0	0.0
1091	171	-0.04	13.84	-100.90	0.0	0.0	0.0
1091	177	0.06	-3.36	18.66	0.0	0.0	0.0
1091	202	0.03	-13.39	93.31	0.0	0.0	0.0
1091	203	-0.04	14.06	-102.50	0.0	0.0	0.0
1091	209	0.07	-3.88	21.84	0.0	0.0	0.0
1091	234	0.03	-15.92	111.43	0.0	0.0	0.0
1091	235	-0.04	16.59	-120.62	0.0	0.0	0.0
1091	241	-3.21e-03	0.28	-3.17	0.0	0.0	0.0
1091	275	-6.10e-03	1.24	-11.30	0.0	0.0	0.0
1091	286	-4.08e-03	-0.19	0.47	0.0	0.0	0.0
1091	297	-3.87e-03	0.24	-2.80	0.0	0.0	0.0
1091	307	-5.70e-03	0.51	-5.88	0.0	0.0	0.0
1091	308	-3.86e-03	0.15	-2.16	0.0	0.0	0.0
1091	309	-3.87e-03	0.24	-2.80	0.0	0.0	0.0
1091	310	-5.67e-03	0.34	-4.60	0.0	0.0	0.0
1123	1	2.56	0.02	-30.50	0.0	0.0	0.0
1123	19	2.05	0.01	-19.83	0.0	0.0	0.0
1123	28	3.26	0.04	-55.87	0.0	0.0	0.0
1123	113	15.89	-9.69e-03	-1.26	0.0	0.0	0.0
1123	118	15.63	-0.03	6.07	0.0	0.0	0.0
1123	119	-11.18	0.07	-67.71	0.0	0.0	0.0
1123	145	17.57	-0.01	2.35	0.0	0.0	0.0
1123	150	17.28	-0.03	10.62	0.0	0.0	0.0
1123	151	-12.83	0.08	-72.25	0.0	0.0	0.0
1123	177	17.35	-0.01	1.68	0.0	0.0	0.0
1123	182	17.04	-0.03	10.03	0.0	0.0	0.0
1123	183	-12.59	0.08	-71.66	0.0	0.0	0.0
1123	209	19.88	-0.02	6.97	0.0	0.0	0.0
1123	214	19.51	-0.04	16.86	0.0	0.0	0.0
1123	215	-15.06	0.09	-78.49	0.0	0.0	0.0
1123	241	1.83	0.01	-22.15	0.0	0.0	0.0
1123	248	1.99	0.01	-21.91	0.0	0.0	0.0
1123	256	2.29	0.03	-39.06	0.0	0.0	0.0
1123	297	1.59	0.02	-22.50	0.0	0.0	0.0
1123	298	2.33	0.02	-32.20	0.0	0.0	0.0
1123	302	1.67	0.02	-22.38	0.0	0.0	0.0
1123	309	1.59	0.02	-22.50	0.0	0.0	0.0
1123	310	2.22	0.02	-30.82	0.0	0.0	0.0
1127	1	0.99	8.69e-03	-34.34	0.0	0.0	0.0
1127	45	-1.20	7.63e-03	-21.59	0.0	0.0	0.0
1127	52	0.95	0.02	-60.33	0.0	0.0	0.0
1127	113	14.27	-5.30e-03	-46.07	0.0	0.0	0.0
1127	141	2.67	0.04	-58.06	0.0	0.0	0.0
1127	144	-1.58	-0.03	-8.74	0.0	0.0	0.0
1127	145	15.96	-7.03e-03	-47.69	0.0	0.0	0.0
1127	173	2.92	0.05	-61.27	0.0	0.0	0.0
1127	176	-1.84	-0.03	-5.53	0.0	0.0	0.0
1127	177	15.74	-6.55e-03	-47.79	0.0	0.0	0.0
1127	205	2.83	0.05	-61.82	0.0	0.0	0.0
1127	208	-1.75	-0.03	-4.98	0.0	0.0	0.0
1127	209	18.29	-8.93e-03	-50.49	0.0	0.0	0.0
1127	237	3.17	0.05	-67.09	0.0	0.0	0.0
1127	240	-2.09	-0.04	0.29	0.0	0.0	0.0
1127	241	0.68	6.29e-03	-24.93	0.0	0.0	0.0
1127	261	-0.65	7.67e-03	-23.88	0.0	0.0	0.0
1127	268	0.66	0.01	-42.26	0.0	0.0	0.0

1127	297	0.37	6.61e-03	-24.69	0.0	0.0	0.0
1127	298	0.57	9.38e-03	-34.85	0.0	0.0	0.0
1127	304	0.17	6.82e-03	-24.52	0.0	0.0	0.0
1127	309	0.37	6.61e-03	-24.69	0.0	0.0	0.0
1127	310	0.54	8.98e-03	-33.40	0.0	0.0	0.0
1131	1	0.92	-1.97e-03	-29.25	0.0	0.0	0.0
1131	4	1.34	-3.57e-03	-48.42	0.0	0.0	0.0
1131	45	-1.19	-2.28e-03	-11.44	0.0	0.0	0.0
1131	113	13.64	0.03	-95.51	0.0	0.0	0.0
1131	121	13.67	0.02	-101.12	0.0	0.0	0.0
1131	124	-12.68	-0.03	48.44	0.0	0.0	0.0
1131	145	15.26	0.03	-104.11	0.0	0.0	0.0
1131	153	15.31	0.02	-110.45	0.0	0.0	0.0
1131	156	-14.32	-0.03	57.78	0.0	0.0	0.0
1131	177	15.05	0.03	-103.36	0.0	0.0	0.0
1131	185	15.09	0.02	-109.48	0.0	0.0	0.0
1131	188	-14.10	-0.03	56.81	0.0	0.0	0.0
1131	209	17.50	0.04	-116.56	0.0	0.0	0.0
1131	217	17.48	0.03	-123.28	0.0	0.0	0.0
1131	220	-16.49	-0.03	70.61	0.0	0.0	0.0
1131	241	0.64	-1.44e-03	-21.18	0.0	0.0	0.0
1131	244	0.92	-2.50e-03	-33.95	0.0	0.0	0.0
1131	261	-0.66	-2.15e-03	-15.18	0.0	0.0	0.0
1131	297	0.34	-1.60e-03	-19.79	0.0	0.0	0.0
1131	298	0.52	-2.24e-03	-27.43	0.0	0.0	0.0
1131	304	0.14	-1.71e-03	-18.87	0.0	0.0	0.0
1131	309	0.34	-1.60e-03	-19.79	0.0	0.0	0.0
1131	310	0.49	-2.15e-03	-26.34	0.0	0.0	0.0
1135	1	0.43	-7.97e-03	-15.68	0.0	0.0	0.0
1135	4	0.62	-0.01	-24.73	0.0	0.0	0.0
1135	45	-0.56	-6.41e-03	0.09	0.0	0.0	0.0
1135	113	6.54	0.01	-99.12	0.0	0.0	0.0
1135	121	6.55	0.01	-101.76	0.0	0.0	0.0
1135	124	-6.09	-0.03	76.63	0.0	0.0	0.0
1135	145	7.31	0.02	-109.83	0.0	0.0	0.0
1135	153	7.33	0.02	-112.88	0.0	0.0	0.0
1135	156	-6.88	-0.03	87.74	0.0	0.0	0.0
1135	177	7.21	0.02	-108.66	0.0	0.0	0.0
1135	185	7.23	0.02	-111.57	0.0	0.0	0.0
1135	188	-6.77	-0.03	86.44	0.0	0.0	0.0
1135	209	8.38	0.02	-124.94	0.0	0.0	0.0
1135	217	8.37	0.02	-127.89	0.0	0.0	0.0
1135	220	-7.92	-0.04	102.75	0.0	0.0	0.0
1135	241	0.30	-5.76e-03	-11.26	0.0	0.0	0.0
1135	244	0.42	-9.83e-03	-17.30	0.0	0.0	0.0
1135	261	-0.31	-6.60e-03	-3.56	0.0	0.0	0.0
1135	297	0.16	-5.95e-03	-9.48	0.0	0.0	0.0
1135	303	0.27	-8.00e-03	-13.16	0.0	0.0	0.0
1135	304	0.06	-6.08e-03	-8.30	0.0	0.0	0.0
1135	309	0.16	-5.95e-03	-9.48	0.0	0.0	0.0
1135	310	0.23	-8.06e-03	-12.57	0.0	0.0	0.0
1155	1	-1.44	2.08e-03	-24.49	0.0	0.0	0.0
1155	45	-2.64	1.70e-03	-15.49	0.0	0.0	0.0
1155	52	-3.67	3.02e-03	-45.46	0.0	0.0	0.0
1155	113	12.39	0.01	-35.41	0.0	0.0	0.0
1155	141	0.37	0.02	-40.41	0.0	0.0	0.0
1155	144	-4.30	-0.02	-9.00	0.0	0.0	0.0
1155	145	14.16	0.01	-36.79	0.0	0.0	0.0
1155	173	0.65	0.02	-42.46	0.0	0.0	0.0
1155	176	-4.58	-0.02	-6.95	0.0	0.0	0.0
1155	177	13.92	0.01	-36.93	0.0	0.0	0.0
1155	205	0.57	0.02	-42.81	0.0	0.0	0.0
1155	208	-4.50	-0.02	-6.60	0.0	0.0	0.0
1155	209	16.59	0.01	-39.21	0.0	0.0	0.0
1155	237	0.96	0.02	-46.17	0.0	0.0	0.0
1155	240	-4.89	-0.02	-3.24	0.0	0.0	0.0
1155	241	-1.07	1.50e-03	-17.81	0.0	0.0	0.0
1155	261	-2.28	1.74e-03	-17.07	0.0	0.0	0.0
1155	268	-2.55	2.13e-03	-31.79	0.0	0.0	0.0
1155	297	-1.35	1.56e-03	-17.64	0.0	0.0	0.0
1155	298	-2.07	1.51e-03	-25.88	0.0	0.0	0.0
1155	304	-1.54	1.60e-03	-17.53	0.0	0.0	0.0
1155	309	-1.35	1.56e-03	-17.64	0.0	0.0	0.0
1155	310	-1.96	1.51e-03	-24.71	0.0	0.0	0.0
1159	1	0.03	6.42e-04	-25.03	0.0	0.0	0.0

1159	19	0.52	4.04e-04	-16.45	0.0	0.0	0.0
1159	28	-1.94	5.94e-04	-47.21	0.0	0.0	0.0
1159	113	13.89	0.02	-2.30	0.0	0.0	0.0
1159	118	13.62	4.23e-04	1.22	0.0	0.0	0.0
1159	119	-14.64	3.61e-04	-52.57	0.0	0.0	0.0
1159	145	15.66	0.02	0.56	0.0	0.0	0.0
1159	150	15.36	3.77e-04	4.53	0.0	0.0	0.0
1159	151	-16.38	4.07e-04	-55.88	0.0	0.0	0.0
1159	177	15.43	0.02	0.08	0.0	0.0	0.0
1159	182	15.11	9.16e-05	4.04	0.0	0.0	0.0
1159	183	-16.13	6.92e-04	-55.39	0.0	0.0	0.0
1159	209	18.10	0.02	4.33	0.0	0.0	0.0
1159	214	17.71	-2.34e-04	8.98	0.0	0.0	0.0
1159	215	-18.74	1.02e-03	-60.33	0.0	0.0	0.0
1159	241	-3.20e-03	4.67e-04	-18.30	0.0	0.0	0.0
1159	248	0.21	4.56e-04	-18.06	0.0	0.0	0.0
1159	256	-1.32	4.35e-04	-33.09	0.0	0.0	0.0
1159	297	-0.33	4.84e-04	-18.66	0.0	0.0	0.0
1159	298	-0.54	3.77e-04	-26.84	0.0	0.0	0.0
1159	302	-0.22	4.78e-04	-18.54	0.0	0.0	0.0
1159	309	-0.33	4.84e-04	-18.66	0.0	0.0	0.0
1159	310	-0.51	3.92e-04	-25.67	0.0	0.0	0.0
1163	1	0.06	-3.20e-04	-19.66	0.0	0.0	0.0
1163	19	0.52	-1.73e-04	-11.29	0.0	0.0	0.0
1163	28	-1.81	-5.49e-04	-42.86	0.0	0.0	0.0
1163	113	13.32	-9.05e-03	50.06	0.0	0.0	0.0
1163	114	11.80	-0.03	58.14	0.0	0.0	0.0
1163	115	-12.71	0.03	-101.42	0.0	0.0	0.0
1163	145	15.02	-0.01	58.87	0.0	0.0	0.0
1163	146	13.30	-0.04	67.97	0.0	0.0	0.0
1163	147	-14.22	0.03	-111.25	0.0	0.0	0.0
1163	177	14.79	-9.46e-03	57.48	0.0	0.0	0.0
1163	178	13.05	-0.03	66.62	0.0	0.0	0.0
1163	179	-13.97	0.03	-109.90	0.0	0.0	0.0
1163	209	17.35	-0.01	70.58	0.0	0.0	0.0
1163	210	15.28	-0.04	81.37	0.0	0.0	0.0
1163	211	-16.20	0.04	-124.65	0.0	0.0	0.0
1163	241	0.02	-2.32e-04	-14.51	0.0	0.0	0.0
1163	248	0.23	-2.16e-04	-13.56	0.0	0.0	0.0
1163	256	-1.22	-3.84e-04	-29.98	0.0	0.0	0.0
1163	297	-0.29	-2.56e-04	-15.95	0.0	0.0	0.0
1163	302	-0.19	-2.48e-04	-15.47	0.0	0.0	0.0
1163	305	-0.67	-3.05e-04	-22.59	0.0	0.0	0.0
1163	309	-0.29	-2.56e-04	-15.95	0.0	0.0	0.0
1163	310	-0.46	-2.89e-04	-21.64	0.0	0.0	0.0
1167	1	0.03	-6.34e-04	-8.42	0.0	0.0	0.0
1167	19	0.25	-2.12e-04	-3.06	0.0	0.0	0.0
1167	44	-1.08	-1.66e-03	-26.60	0.0	0.0	0.0
1167	113	6.40	-0.01	80.91	0.0	0.0	0.0
1167	116	-6.82	0.01	-103.09	0.0	0.0	0.0
1167	145	7.21	-0.01	92.26	0.0	0.0	0.0
1167	148	-7.64	0.01	-114.44	0.0	0.0	0.0
1167	177	7.10	-0.01	90.79	0.0	0.0	0.0
1167	180	-7.53	0.01	-112.97	0.0	0.0	0.0
1167	209	8.33	-0.02	107.88	0.0	0.0	0.0
1167	212	-8.75	0.01	-130.05	0.0	0.0	0.0
1167	241	0.01	-4.72e-04	-6.33	0.0	0.0	0.0
1167	248	0.11	-3.78e-04	-5.12	0.0	0.0	0.0
1167	264	-0.73	-1.15e-03	-18.45	0.0	0.0	0.0
1167	297	-0.13	-6.12e-04	-8.14	0.0	0.0	0.0
1167	302	-0.09	-5.65e-04	-7.54	0.0	0.0	0.0
1167	305	-0.31	-7.02e-04	-12.29	0.0	0.0	0.0
1167	309	-0.13	-6.12e-04	-8.14	0.0	0.0	0.0
1167	310	-0.21	-6.08e-04	-11.09	0.0	0.0	0.0
1186	1	0.0	0.0	-419.47	0.0	0.0	0.0
1186	28	0.0	0.0	-849.64	0.0	0.0	0.0
1186	69	0.0	0.0	-283.15	0.0	0.0	0.0
1186	113	0.0	0.0	-439.40	0.0	0.0	0.0
1186	125	0.0	0.0	-438.11	0.0	0.0	0.0
1186	128	0.0	0.0	-486.18	0.0	0.0	0.0
1186	145	0.0	0.0	-436.52	0.0	0.0	0.0
1186	157	0.0	0.0	-435.08	0.0	0.0	0.0
1186	160	0.0	0.0	-489.20	0.0	0.0	0.0
1186	177	0.0	0.0	-436.40	0.0	0.0	0.0
1186	189	0.0	0.0	-435.24	0.0	0.0	0.0

1186	192	0.0	0.0	-489.04	0.0	0.0	0.0
1186	209	0.0	0.0	-431.74	0.0	0.0	0.0
1186	221	0.0	0.0	-430.69	0.0	0.0	0.0
1186	224	0.0	0.0	-493.59	0.0	0.0	0.0
1186	241	0.0	0.0	-306.10	0.0	0.0	0.0
1186	256	0.0	0.0	-592.88	0.0	0.0	0.0
1186	273	0.0	0.0	-305.39	0.0	0.0	0.0
1186	297	0.0	0.0	-306.60	0.0	0.0	0.0
1186	298	0.0	0.0	-488.07	0.0	0.0	0.0
1186	306	0.0	0.0	-306.36	0.0	0.0	0.0
1186	309	0.0	0.0	-306.60	0.0	0.0	0.0
1186	310	0.0	0.0	-462.14	0.0	0.0	0.0
1187	1	0.0	0.0	-405.48	0.0	0.0	0.0
1187	4	0.0	0.0	-817.22	0.0	0.0	0.0
1187	45	0.0	0.0	-272.91	0.0	0.0	0.0
1187	113	0.0	0.0	-465.16	0.0	0.0	0.0
1187	116	0.0	0.0	-425.91	0.0	0.0	0.0
1187	145	0.0	0.0	-467.63	0.0	0.0	0.0
1187	148	0.0	0.0	-423.44	0.0	0.0	0.0
1187	177	0.0	0.0	-467.58	0.0	0.0	0.0
1187	180	0.0	0.0	-423.49	0.0	0.0	0.0
1187	209	0.0	0.0	-471.48	0.0	0.0	0.0
1187	212	0.0	0.0	-419.59	0.0	0.0	0.0
1187	241	0.0	0.0	-295.90	0.0	0.0	0.0
1187	244	0.0	0.0	-570.40	0.0	0.0	0.0
1187	261	0.0	0.0	-294.27	0.0	0.0	0.0
1187	297	0.0	0.0	-295.53	0.0	0.0	0.0
1187	298	0.0	0.0	-470.54	0.0	0.0	0.0
1187	304	0.0	0.0	-295.28	0.0	0.0	0.0
1187	309	0.0	0.0	-295.53	0.0	0.0	0.0
1187	310	0.0	0.0	-445.53	0.0	0.0	0.0
1367	1	1.38	-0.13	-16.81	0.0	0.0	0.0
1367	45	-1.20	0.30	1.13	0.0	0.0	0.0
1367	68	1.61	0.98	-30.08	0.0	0.0	0.0
1367	113	7.13	5.80	-132.29	0.0	0.0	0.0
1367	141	2.31	9.54	-152.95	0.0	0.0	0.0
1367	144	-0.56	-9.56	126.17	0.0	0.0	0.0
1367	145	7.89	6.57	-147.46	0.0	0.0	0.0
1367	173	2.49	10.80	-171.14	0.0	0.0	0.0
1367	176	-0.74	-10.82	144.36	0.0	0.0	0.0
1367	177	7.72	6.76	-148.60	0.0	0.0	0.0
1367	205	2.47	11.12	-174.25	0.0	0.0	0.0
1367	208	-0.73	-11.13	147.47	0.0	0.0	0.0
1367	209	8.83	8.11	-173.46	0.0	0.0	0.0
1367	237	2.73	13.24	-204.06	0.0	0.0	0.0
1367	240	-0.98	-13.26	177.28	0.0	0.0	0.0
1367	241	0.98	-0.09	-12.22	0.0	0.0	0.0
1367	261	-0.57	0.20	-2.93	0.0	0.0	0.0
1367	276	1.13	0.65	-21.07	0.0	0.0	0.0
1367	297	0.62	-0.02	-10.08	0.0	0.0	0.0
1367	304	0.38	0.02	-8.65	0.0	0.0	0.0
1367	307	0.91	0.12	-14.65	0.0	0.0	0.0
1367	309	0.62	-0.02	-10.08	0.0	0.0	0.0
1367	310	0.87	-7.60e-03	-13.39	0.0	0.0	0.0
2106	1	0.16	0.18	-6.83	0.0	0.0	0.0
2106	68	-3.94e-03	1.48	-20.34	0.0	0.0	0.0
2106	93	-8.18e-04	-0.37	-0.19	0.0	0.0	0.0
2106	113	0.01	6.24	-66.39	0.0	0.0	0.0
2106	129	-0.02	11.77	-118.68	0.0	0.0	0.0
2106	132	0.01	-11.22	104.56	0.0	0.0	0.0
2106	145	0.01	7.03	-74.27	0.0	0.0	0.0
2106	161	-0.02	13.30	-133.55	0.0	0.0	0.0
2106	164	0.01	-12.75	119.43	0.0	0.0	0.0
2106	177	0.01	7.26	-76.69	0.0	0.0	0.0
2106	193	-0.02	13.80	-138.42	0.0	0.0	0.0
2106	196	0.02	-13.24	124.30	0.0	0.0	0.0
2106	209	0.01	8.68	-90.78	0.0	0.0	0.0
2106	225	-0.02	16.57	-165.37	0.0	0.0	0.0
2106	228	0.02	-16.01	151.24	0.0	0.0	0.0
2106	241	0.11	0.13	-5.08	0.0	0.0	0.0
2106	276	-2.73e-03	1.00	-14.08	0.0	0.0	0.0
2106	285	-1.03e-03	-0.18	-2.03	0.0	0.0	0.0
2106	297	-1.27e-03	0.16	-5.21	0.0	0.0	0.0
2106	307	-2.12e-03	0.42	-8.33	0.0	0.0	0.0
2106	308	-1.22e-03	0.09	-4.57	0.0	0.0	0.0

2106	309	-1.27e-03	0.16	-5.21	0.0	0.0	0.0
2106	310	-2.03e-03	0.28	-7.06	0.0	0.0	0.0
2108	1	0.21	0.38	-14.77	0.0	0.0	0.0
2108	68	-0.01	3.14	-29.20	0.0	0.0	0.0
2108	93	-1.76e-03	-0.78	-6.48	0.0	0.0	0.0
2108	113	7.15e-03	12.88	-73.34	0.0	0.0	0.0
2108	129	-0.03	24.29	-111.67	0.0	0.0	0.0
2108	132	0.02	-23.10	83.17	0.0	0.0	0.0
2108	145	8.52e-03	14.51	-81.12	0.0	0.0	0.0
2108	161	-0.03	27.44	-124.64	0.0	0.0	0.0
2108	164	0.02	-26.25	96.13	0.0	0.0	0.0
2108	177	7.31e-03	15.00	-83.11	0.0	0.0	0.0
2108	193	-0.03	28.46	-128.82	0.0	0.0	0.0
2108	196	0.02	-27.27	100.32	0.0	0.0	0.0
2108	209	9.41e-03	17.91	-96.73	0.0	0.0	0.0
2108	225	-0.04	34.17	-152.26	0.0	0.0	0.0
2108	228	0.03	-32.98	123.76	0.0	0.0	0.0
2108	241	0.14	0.28	-10.92	0.0	0.0	0.0
2108	276	-7.32e-03	2.12	-20.54	0.0	0.0	0.0
2108	285	-2.41e-03	-0.39	-8.21	0.0	0.0	0.0
2108	297	-3.22e-03	0.35	-10.65	0.0	0.0	0.0
2108	307	-5.44e-03	0.89	-15.23	0.0	0.0	0.0
2108	308	-3.06e-03	0.20	-10.16	0.0	0.0	0.0
2108	309	-3.22e-03	0.35	-10.65	0.0	0.0	0.0
2108	310	-5.12e-03	0.60	-14.25	0.0	0.0	0.0
2753	1	0.56	8.08e-03	-6.85	0.0	0.0	0.0
2753	16	0.82	0.01	-9.54	0.0	0.0	0.0
2753	47	-0.87	-0.01	9.57	0.0	0.0	0.0
2753	113	3.92	0.07	-48.55	0.0	0.0	0.0
2753	122	8.40	-0.03	-106.30	0.0	0.0	0.0
2753	123	-7.92	0.03	101.59	0.0	0.0	0.0
2753	145	4.36	0.08	-54.10	0.0	0.0	0.0
2753	154	9.41	-0.03	-119.23	0.0	0.0	0.0
2753	155	-8.94	0.04	114.52	0.0	0.0	0.0
2753	177	4.23	0.08	-52.41	0.0	0.0	0.0
2753	186	9.27	-0.03	-117.59	0.0	0.0	0.0
2753	187	-8.80	0.04	112.87	0.0	0.0	0.0
2753	209	4.86	0.09	-60.27	0.0	0.0	0.0
2753	218	10.76	-0.04	-136.56	0.0	0.0	0.0
2753	219	-10.29	0.05	131.85	0.0	0.0	0.0
2753	241	0.39	5.52e-03	-4.89	0.0	0.0	0.0
2753	249	0.56	8.09e-03	-6.69	0.0	0.0	0.0
2753	263	-0.52	-8.21e-03	5.52	0.0	0.0	0.0
2753	297	0.16	1.98e-03	-2.54	0.0	0.0	0.0
2753	302	0.24	3.16e-03	-3.32	0.0	0.0	0.0
2753	305	0.08	1.02e-03	-0.79	0.0	0.0	0.0
2753	309	0.16	1.98e-03	-2.54	0.0	0.0	0.0
2753	310	0.24	3.39e-03	-2.36	0.0	0.0	0.0
3097	1	0.0	0.0	-9.51	0.0	0.0	0.0
3097	28	0.0	0.0	-20.91	0.0	0.0	0.0
3097	69	0.0	0.0	-6.32	0.0	0.0	0.0
3097	113	0.0	0.0	-9.63	0.0	0.0	0.0
3097	125	0.0	0.0	-9.36	0.0	0.0	0.0
3097	128	0.0	0.0	-13.56	0.0	0.0	0.0
3097	145	0.0	0.0	-9.40	0.0	0.0	0.0
3097	157	0.0	0.0	-9.10	0.0	0.0	0.0
3097	160	0.0	0.0	-13.82	0.0	0.0	0.0
3097	177	0.0	0.0	-9.39	0.0	0.0	0.0
3097	189	0.0	0.0	-9.11	0.0	0.0	0.0
3097	192	0.0	0.0	-13.81	0.0	0.0	0.0
3097	209	0.0	0.0	-9.01	0.0	0.0	0.0
3097	221	0.0	0.0	-8.72	0.0	0.0	0.0
3097	224	0.0	0.0	-14.21	0.0	0.0	0.0
3097	241	0.0	0.0	-6.93	0.0	0.0	0.0
3097	256	0.0	0.0	-14.54	0.0	0.0	0.0
3097	273	0.0	0.0	-6.87	0.0	0.0	0.0
3097	297	0.0	0.0	-6.97	0.0	0.0	0.0
3097	298	0.0	0.0	-12.21	0.0	0.0	0.0
3097	306	0.0	0.0	-6.95	0.0	0.0	0.0
3097	309	0.0	0.0	-6.97	0.0	0.0	0.0
3097	310	0.0	0.0	-11.46	0.0	0.0	0.0
3219	1	-8.43e-03	-0.64	-13.40	0.0	0.0	0.0
3219	69	-4.83e-03	0.68	-0.20	0.0	0.0	0.0
3219	76	-9.30e-03	-1.79	-26.92	0.0	0.0	0.0
3219	113	0.04	4.35	32.89	0.0	0.0	0.0

3219	137	-9.26e-03	9.69	83.48	0.0	0.0	0.0
3219	140	-9.26e-04	-11.24	-110.85	0.0	0.0	0.0
3219	145	0.05	5.02	39.01	0.0	0.0	0.0
3219	169	-9.92e-03	11.06	96.25	0.0	0.0	0.0
3219	172	-2.63e-04	-12.61	-123.62	0.0	0.0	0.0
3219	177	0.04	5.16	40.54	0.0	0.0	0.0
3219	201	-0.01	11.36	99.15	0.0	0.0	0.0
3219	204	4.34e-04	-12.91	-126.52	0.0	0.0	0.0
3219	209	0.05	6.32	51.28	0.0	0.0	0.0
3219	233	-0.01	13.66	120.57	0.0	0.0	0.0
3219	236	1.77e-03	-15.20	-147.94	0.0	0.0	0.0
3219	241	-5.79e-03	-0.46	-9.88	0.0	0.0	0.0
3219	273	-4.31e-03	0.27	-3.82	0.0	0.0	0.0
3219	280	-6.37e-03	-1.23	-18.89	0.0	0.0	0.0
3219	297	-2.70e-03	-0.45	-9.92	0.0	0.0	0.0
3219	298	-5.49e-03	-0.83	-14.31	0.0	0.0	0.0
3219	306	-3.02e-03	-0.31	-8.70	0.0	0.0	0.0
3219	309	-2.70e-03	-0.45	-9.92	0.0	0.0	0.0
3219	310	-5.09e-03	-0.77	-13.69	0.0	0.0	0.0

Nodo		Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		-29.04	-32.98	-849.64	0.0	0.0	0.0
		29.22	34.17	181.06	0.0	0.0	0.0

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		kN	kN	kN	kN m	kN m	kN m
1	240	-0.93	-11.31	-203.09	0.0	0.0	0.0
	237	1.07	9.66	179.69	0.0	0.0	0.0
	1	0.23	-0.79	-10.81	0.0	0.0	0.0
	1	0.23	-0.79	-10.81	0.0	0.0	0.0
	1	0.23	-0.79	-10.81	0.0	0.0	0.0
	1	0.23	-0.79	-10.81	0.0	0.0	0.0
4	240	-1.77	-0.07	-89.21	0.0	0.0	0.0
	237	1.93	0.05	64.66	0.0	0.0	0.0
	1	0.42	-0.01	-13.94	0.0	0.0	0.0
	1	0.42	-0.01	-13.94	0.0	0.0	0.0
	1	0.42	-0.01	-13.94	0.0	0.0	0.0
	1	0.42	-0.01	-13.94	0.0	0.0	0.0
10	214	17.20	9.21e-04	-53.04	0.0	0.0	0.0
	215	-17.32	7.30e-03	40.41	0.0	0.0	0.0
	1	0.22	4.63e-03	-8.34	0.0	0.0	0.0
	1	0.22	4.63e-03	-8.34	0.0	0.0	0.0
	1	0.22	4.63e-03	-8.34	0.0	0.0	0.0
	1	0.22	4.63e-03	-8.34	0.0	0.0	0.0
25	212	-15.18	0.02	-29.96	0.0	0.0	0.0
	209	15.39	-0.02	21.34	0.0	0.0	0.0
	1	0.35	-2.21e-04	-4.74	0.0	0.0	0.0
	1	0.35	-2.21e-04	-4.74	0.0	0.0	0.0
	1	0.35	-2.21e-04	-4.74	0.0	0.0	0.0
	1	0.35	-2.21e-04	-4.74	0.0	0.0	0.0
28	240	-4.52	-0.09	-18.00	0.0	0.0	0.0
	237	4.53	0.09	3.13	0.0	0.0	0.0
	1	0.20	4.24e-06	-8.95	0.0	0.0	0.0
	1	0.20	4.24e-06	-8.95	0.0	0.0	0.0
	1	0.20	4.24e-06	-8.95	0.0	0.0	0.0
	1	0.20	4.24e-06	-8.95	0.0	0.0	0.0
34	210	12.47	7.87e-03	-24.35	0.0	0.0	0.0
	211	-12.65	-7.29e-03	15.91	0.0	0.0	0.0
	1	0.13	1.77e-04	-5.53	0.0	0.0	0.0
	1	0.13	1.77e-04	-5.53	0.0	0.0	0.0
	1	0.13	1.77e-04	-5.53	0.0	0.0	0.0
	1	0.13	1.77e-04	-5.53	0.0	0.0	0.0
50	210	15.81	3.59e-03	-9.78	0.0	0.0	0.0
	211	-15.55	-2.78e-03	7.95	0.0	0.0	0.0
	1	0.49	5.27e-04	-1.25	0.0	0.0	0.0
	1	0.49	5.27e-04	-1.25	0.0	0.0	0.0
	1	0.49	5.27e-04	-1.25	0.0	0.0	0.0
	1	0.49	5.27e-04	-1.25	0.0	0.0	0.0
54	214	16.29	1.50e-04	-1.62	0.0	0.0	0.0
	215	-16.30	1.46e-04	-0.21	0.0	0.0	0.0
	1	0.32	1.86e-04	-1.18	0.0	0.0	0.0
	1	0.32	1.86e-04	-1.18	0.0	0.0	0.0
	1	0.32	1.86e-04	-1.18	0.0	0.0	0.0
	1	0.32	1.86e-04	-1.18	0.0	0.0	0.0

58	212	-19.54	4.10e-03	-8.68	0.0	0.0	0.0
	209	19.23	-4.15e-03	6.71	0.0	0.0	0.0
	1	0.14	-5.37e-05	-1.15	0.0	0.0	0.0
	1	0.14	-5.37e-05	-1.15	0.0	0.0	0.0
	1	0.14	-5.37e-05	-1.15	0.0	0.0	0.0
	1	0.14	-5.37e-05	-1.15	0.0	0.0	0.0
70	236	-8.96	-12.86	-185.67	0.0	0.0	0.0
	233	9.08	10.89	142.28	0.0	0.0	0.0
	1	0.47	-0.96	-22.49	0.0	0.0	0.0
	1	0.47	-0.96	-22.49	0.0	0.0	0.0
	1	0.47	-0.96	-22.49	0.0	0.0	0.0
	1	0.47	-0.96	-22.49	0.0	0.0	0.0
73	240	-7.43	-0.07	-77.48	0.0	0.0	0.0
	237	7.49	0.06	50.21	0.0	0.0	0.0
	1	0.41	-3.65e-03	-13.99	0.0	0.0	0.0
	1	0.41	-3.65e-03	-13.99	0.0	0.0	0.0
	1	0.41	-3.65e-03	-13.99	0.0	0.0	0.0
	1	0.41	-3.65e-03	-13.99	0.0	0.0	0.0
79	212	-18.31	-2.79e-03	-56.46	0.0	0.0	0.0
	209	18.58	-2.40e-03	42.67	0.0	0.0	0.0
	1	0.48	-1.99e-03	-6.75	0.0	0.0	0.0
	1	0.48	-1.99e-03	-6.75	0.0	0.0	0.0
	1	0.48	-1.99e-03	-6.75	0.0	0.0	0.0
	1	0.48	-1.99e-03	-6.75	0.0	0.0	0.0
95	212	-20.35	-1.03e-03	-12.10	0.0	0.0	0.0
	209	20.01	3.24e-05	9.95	0.0	0.0	0.0
	1	0.17	-4.11e-04	-1.14	0.0	0.0	0.0
	1	0.17	-4.11e-04	-1.14	0.0	0.0	0.0
	1	0.17	-4.11e-04	-1.14	0.0	0.0	0.0
	1	0.17	-4.11e-04	-1.14	0.0	0.0	0.0
99	212	-19.58	2.07e-04	-2.44	0.0	0.0	0.0
	209	19.60	-5.74e-04	0.50	0.0	0.0	0.0
	1	0.37	-1.44e-04	-1.16	0.0	0.0	0.0
	1	0.37	-1.44e-04	-1.16	0.0	0.0	0.0
	1	0.37	-1.44e-04	-1.16	0.0	0.0	0.0
	1	0.37	-1.44e-04	-1.16	0.0	0.0	0.0
103	209	19.87	0.02	-7.12	0.0	0.0	0.0
	212	-19.56	-0.02	5.19	0.0	0.0	0.0
	1	0.56	4.77e-05	-1.26	0.0	0.0	0.0
	1	0.56	4.77e-05	-1.26	0.0	0.0	0.0
	1	0.56	4.77e-05	-1.26	0.0	0.0	0.0
	1	0.56	4.77e-05	-1.26	0.0	0.0	0.0
116	234	2.93	0.05	-64.26	0.0	0.0	0.0
	235	-2.75	-0.06	39.35	0.0	0.0	0.0
	1	0.55	-3.71e-03	-13.77	0.0	0.0	0.0
	1	0.55	-3.71e-03	-13.77	0.0	0.0	0.0
	1	0.55	-3.71e-03	-13.77	0.0	0.0	0.0
	1	0.55	-3.71e-03	-13.77	0.0	0.0	0.0
120	214	20.35	-0.02	-45.58	0.0	0.0	0.0
	215	-20.20	0.01	28.37	0.0	0.0	0.0
	1	0.54	-1.90e-03	-10.42	0.0	0.0	0.0
	1	0.54	-1.90e-03	-10.42	0.0	0.0	0.0
	1	0.54	-1.90e-03	-10.42	0.0	0.0	0.0
	1	0.54	-1.90e-03	-10.42	0.0	0.0	0.0
124	210	19.16	-0.03	-65.33	0.0	0.0	0.0
	211	-19.02	0.02	52.30	0.0	0.0	0.0
	1	0.53	-6.26e-04	-8.78	0.0	0.0	0.0
	1	0.53	-6.26e-04	-8.78	0.0	0.0	0.0
	1	0.53	-6.26e-04	-8.78	0.0	0.0	0.0
	1	0.53	-6.26e-04	-8.78	0.0	0.0	0.0
128	209	22.97	-2.47e-03	-119.08	0.0	0.0	0.0
	212	-22.83	2.89e-03	109.20	0.0	0.0	0.0
	1	0.51	1.54e-04	-8.12	0.0	0.0	0.0
	1	0.51	1.54e-04	-8.12	0.0	0.0	0.0
	1	0.51	1.54e-04	-8.12	0.0	0.0	0.0
	1	0.51	1.54e-04	-8.12	0.0	0.0	0.0
132	209	11.07	0.03	-133.25	0.0	0.0	0.0
	212	-11.01	-0.03	128.83	0.0	0.0	0.0
	1	0.24	5.07e-04	-5.17	0.0	0.0	0.0
	1	0.24	5.07e-04	-5.17	0.0	0.0	0.0
	1	0.24	5.07e-04	-5.17	0.0	0.0	0.0
	1	0.24	5.07e-04	-5.17	0.0	0.0	0.0
155	212	-13.63	8.27e-03	-133.84	0.0	0.0	0.0
	209	13.70	-8.71e-03	131.51	0.0	0.0	0.0
	1	0.28	-3.63e-05	0.40	0.0	0.0	0.0

	1	0.28	-3.63e-05	0.40	0.0	0.0	0.0
	1	0.28	-3.63e-05	0.40	0.0	0.0	0.0
	1	0.28	-3.63e-05	0.40	0.0	0.0	0.0
158	212	-28.16	-3.93e-04	-109.93	0.0	0.0	0.0
	209	28.31	3.99e-04	106.74	0.0	0.0	0.0
	1	0.59	2.01e-05	-1.47	0.0	0.0	0.0
	1	0.59	2.01e-05	-1.47	0.0	0.0	0.0
	1	0.59	2.01e-05	-1.47	0.0	0.0	0.0
	1	0.59	2.01e-05	-1.47	0.0	0.0	0.0
164	212	-29.03	-0.04	-52.84	0.0	0.0	0.0
	209	29.20	0.04	53.55	0.0	0.0	0.0
	1	0.60	-8.75e-06	-0.85	0.0	0.0	0.0
	1	0.60	-8.75e-06	-0.85	0.0	0.0	0.0
	1	0.60	-8.75e-06	-0.85	0.0	0.0	0.0
	1	0.60	-8.75e-06	-0.85	0.0	0.0	0.0
168	212	-29.04	-0.04	-20.75	0.0	0.0	0.0
	209	29.22	0.04	28.68	0.0	0.0	0.0
	1	0.61	-3.51e-05	1.73	0.0	0.0	0.0
	1	0.61	-3.51e-05	1.73	0.0	0.0	0.0
	1	0.61	-3.51e-05	1.73	0.0	0.0	0.0
	1	0.61	-3.51e-05	1.73	0.0	0.0	0.0
172	209	29.07	0.04	1.97	0.0	0.0	0.0
	28	-0.93	-1.07e-04	19.99	0.0	0.0	0.0
	1	0.60	-3.86e-05	5.49	0.0	0.0	0.0
	1	0.60	-3.86e-05	5.49	0.0	0.0	0.0
	1	0.60	-3.86e-05	5.49	0.0	0.0	0.0
	1	0.60	-3.86e-05	5.49	0.0	0.0	0.0
176	209	26.82	0.04	-39.88	0.0	0.0	0.0
	212	-26.72	-0.04	61.62	0.0	0.0	0.0
	1	0.53	-1.24e-05	6.44	0.0	0.0	0.0
	1	0.53	-1.24e-05	6.44	0.0	0.0	0.0
	1	0.53	-1.24e-05	6.44	0.0	0.0	0.0
	1	0.53	-1.24e-05	6.44	0.0	0.0	0.0
204	209	23.87	4.31e-03	-104.57	0.0	0.0	0.0
	212	-23.82	-4.18e-03	123.26	0.0	0.0	0.0
	1	0.46	3.37e-05	4.17	0.0	0.0	0.0
	1	0.46	3.37e-05	4.17	0.0	0.0	0.0
	1	0.46	3.37e-05	4.17	0.0	0.0	0.0
	1	0.46	3.37e-05	4.17	0.0	0.0	0.0
208	209	11.51	0.03	-125.77	0.0	0.0	0.0
	212	-11.49	-0.03	133.13	0.0	0.0	0.0
	1	0.21	7.73e-05	-0.06	0.0	0.0	0.0
	1	0.21	7.73e-05	-0.06	0.0	0.0	0.0
	1	0.21	7.73e-05	-0.06	0.0	0.0	0.0
	1	0.21	7.73e-05	-0.06	0.0	0.0	0.0
219	212	-4.22	0.01	-59.48	0.0	0.0	0.0
	209	4.20	-0.01	55.62	0.0	0.0	0.0
	1	0.06	-2.81e-04	-1.65	0.0	0.0	0.0
	1	0.06	-2.81e-04	-1.65	0.0	0.0	0.0
	1	0.06	-2.81e-04	-1.65	0.0	0.0	0.0
	1	0.06	-2.81e-04	-1.65	0.0	0.0	0.0
222	89	-0.02	0.0	-5.28	0.0	0.0	0.0
	235	-0.85	0.05	-2.35	0.0	0.0	0.0
	1	0.13	0.0	-5.23	0.0	0.0	0.0
	1	0.13	0.0	-5.23	0.0	0.0	0.0
	1	0.13	0.0	-5.23	0.0	0.0	0.0
	1	0.13	0.0	-5.23	0.0	0.0	0.0
228	209	4.20	0.03	-59.71	0.0	0.0	0.0
	212	-4.22	-0.03	56.18	0.0	0.0	0.0
	1	0.06	2.81e-04	-3.58	0.0	0.0	0.0
	1	0.06	2.81e-04	-3.58	0.0	0.0	0.0
	1	0.06	2.81e-04	-3.58	0.0	0.0	0.0
	1	0.06	2.81e-04	-3.58	0.0	0.0	0.0
243	212	-12.22	8.69e-03	-129.58	0.0	0.0	0.0
	209	12.06	3.28e-03	122.16	0.0	0.0	0.0
	1	0.20	4.26e-03	-1.95	0.0	0.0	0.0
	1	0.20	4.26e-03	-1.95	0.0	0.0	0.0
	1	0.20	4.26e-03	-1.95	0.0	0.0	0.0
	1	0.20	4.26e-03	-1.95	0.0	0.0	0.0
246	212	-25.28	-5.33e-03	-108.86	0.0	0.0	0.0
	209	24.94	9.21e-03	93.40	0.0	0.0	0.0
	1	0.41	1.13e-03	-7.26	0.0	0.0	0.0
	1	0.41	1.13e-03	-7.26	0.0	0.0	0.0
	1	0.41	1.13e-03	-7.26	0.0	0.0	0.0
	1	0.41	1.13e-03	-7.26	0.0	0.0	0.0

252	228	-17.35	-0.06	-61.74	0.0	0.0	0.0
	225	16.97	0.04	42.67	0.0	0.0	0.0
	1	0.41	-4.93e-03	-10.36	0.0	0.0	0.0
	1	0.41	-4.93e-03	-10.36	0.0	0.0	0.0
	1	0.41	-4.93e-03	-10.36	0.0	0.0	0.0
	1	0.41	-4.93e-03	-10.36	0.0	0.0	0.0
256	234	-0.32	0.21	-85.25	0.0	0.0	0.0
	235	-1.08	-0.25	67.55	0.0	0.0	0.0
	1	-0.26	-9.84e-03	-10.18	0.0	0.0	0.0
	1	-0.26	-9.84e-03	-10.18	0.0	0.0	0.0
	1	-0.26	-9.84e-03	-10.18	0.0	0.0	0.0
	1	-0.26	-9.84e-03	-10.18	0.0	0.0	0.0
260	234	0.20	-10.95	-175.50	0.0	0.0	0.0
	235	0.54	10.83	152.57	0.0	0.0	0.0
	1	0.77	-0.04	-14.32	0.0	0.0	0.0
	1	0.77	-0.04	-14.32	0.0	0.0	0.0
	1	0.77	-0.04	-14.32	0.0	0.0	0.0
	1	0.77	-0.04	-14.32	0.0	0.0	0.0
284	214	-0.20	-0.05	-85.08	0.0	0.0	0.0
	215	0.19	-0.17	46.38	0.0	0.0	0.0
	1	0.23	-0.10	-19.88	0.0	0.0	0.0
	1	0.23	-0.10	-19.88	0.0	0.0	0.0
	1	0.23	-0.10	-19.88	0.0	0.0	0.0
	1	0.23	-0.10	-19.88	0.0	0.0	0.0
288	225	0.03	29.25	-73.38	0.0	0.0	0.0
	228	-0.03	-29.49	25.74	0.0	0.0	0.0
	1	0.37	-0.13	-22.58	0.0	0.0	0.0
	1	0.37	-0.13	-22.58	0.0	0.0	0.0
	1	0.37	-0.13	-22.58	0.0	0.0	0.0
	1	0.37	-0.13	-22.58	0.0	0.0	0.0
292	225	0.02	28.34	-149.74	0.0	0.0	0.0
	228	-0.01	-28.62	93.17	0.0	0.0	0.0
	1	0.48	-0.14	-25.43	0.0	0.0	0.0
	1	0.48	-0.14	-25.43	0.0	0.0	0.0
	1	0.48	-0.14	-25.43	0.0	0.0	0.0
	1	0.48	-0.14	-25.43	0.0	0.0	0.0
296	225	0.01	13.70	-162.62	0.0	0.0	0.0
	228	-0.01	-13.85	130.01	0.0	0.0	0.0
	1	0.30	-0.07	-14.07	0.0	0.0	0.0
	1	0.30	-0.07	-14.07	0.0	0.0	0.0
	1	0.30	-0.07	-14.07	0.0	0.0	0.0
	1	0.30	-0.07	-14.07	0.0	0.0	0.0
315	228	-0.03	-4.72	-87.96	0.0	0.0	0.0
	225	0.03	4.78	45.04	0.0	0.0	0.0
	1	-2.92e-05	0.01	-19.42	0.0	0.0	0.0
	1	-2.92e-05	0.01	-19.42	0.0	0.0	0.0
	1	-2.92e-05	0.01	-19.42	0.0	0.0	0.0
	1	-2.92e-05	0.01	-19.42	0.0	0.0	0.0
318	76	0.0	-0.06	-81.80	0.0	0.0	0.0
	69	0.0	0.63	-26.30	0.0	0.0	0.0
	1	0.0	0.02	-39.43	0.0	0.0	0.0
	1	0.0	0.02	-39.43	0.0	0.0	0.0
	1	0.0	0.02	-39.43	0.0	0.0	0.0
	1	0.0	0.02	-39.43	0.0	0.0	0.0
324	225	-4.85e-03	4.77	-87.79	0.0	0.0	0.0
	228	4.49e-03	-4.72	42.42	0.0	0.0	0.0
	1	2.92e-05	9.84e-03	-20.04	0.0	0.0	0.0
	1	2.92e-05	9.84e-03	-20.04	0.0	0.0	0.0
	1	2.92e-05	9.84e-03	-20.04	0.0	0.0	0.0
	1	2.92e-05	9.84e-03	-20.04	0.0	0.0	0.0
339	228	-0.04	-15.33	-170.65	0.0	0.0	0.0
	225	0.04	15.90	145.27	0.0	0.0	0.0
	1	0.25	0.18	-11.73	0.0	0.0	0.0
	1	0.25	0.18	-11.73	0.0	0.0	0.0
	1	0.25	0.18	-11.73	0.0	0.0	0.0
	1	0.25	0.18	-11.73	0.0	0.0	0.0
342	228	-0.04	-31.65	-164.12	0.0	0.0	0.0
	225	0.04	32.81	116.70	0.0	0.0	0.0
	1	0.45	0.36	-21.87	0.0	0.0	0.0
	1	0.45	0.36	-21.87	0.0	0.0	0.0
	1	0.45	0.36	-21.87	0.0	0.0	0.0
	1	0.45	0.36	-21.87	0.0	0.0	0.0
348	228	-0.01	-32.66	-99.53	0.0	0.0	0.0
	225	9.09e-03	33.80	54.47	0.0	0.0	0.0
	1	0.40	0.35	-21.30	0.0	0.0	0.0

	1	0.40	0.35	-21.30	0.0	0.0	0.0
	1	0.40	0.35	-21.30	0.0	0.0	0.0
	1	0.40	0.35	-21.30	0.0	0.0	0.0
352	226	0.03	-28.08	-64.10	0.0	0.0	0.0
	227	-0.03	29.21	19.28	0.0	0.0	0.0
	1	0.34	0.35	-21.44	0.0	0.0	0.0
	1	0.34	0.35	-21.44	0.0	0.0	0.0
	1	0.34	0.35	-21.44	0.0	0.0	0.0
	1	0.34	0.35	-21.44	0.0	0.0	0.0
356	218	0.03	-10.29	-42.26	0.0	0.0	0.0
	219	-0.04	11.43	-1.01	0.0	0.0	0.0
	1	0.26	0.35	-20.96	0.0	0.0	0.0
	1	0.26	0.35	-20.96	0.0	0.0	0.0
	1	0.26	0.35	-20.96	0.0	0.0	0.0
	1	0.26	0.35	-20.96	0.0	0.0	0.0
360	217	0.03	8.18	-64.65	0.0	0.0	0.0
	220	-0.04	-7.06	23.04	0.0	0.0	0.0
	1	0.16	0.34	-20.91	0.0	0.0	0.0
	1	0.16	0.34	-20.91	0.0	0.0	0.0
	1	0.16	0.34	-20.91	0.0	0.0	0.0
	1	0.16	0.34	-20.91	0.0	0.0	0.0
364	217	12.40	6.27	-156.07	0.0	0.0	0.0
	220	-11.14	-5.41	114.92	0.0	0.0	0.0
	1	1.18	0.27	-23.11	0.0	0.0	0.0
	1	1.18	0.27	-23.11	0.0	0.0	0.0
	1	1.18	0.27	-23.11	0.0	0.0	0.0
	1	1.18	0.27	-23.11	0.0	0.0	0.0
396	225	-0.06	26.16	-76.09	0.0	0.0	0.0
	228	0.05	-25.24	48.44	0.0	0.0	0.0
	1	0.09	0.30	-14.77	0.0	0.0	0.0
	1	0.09	0.30	-14.77	0.0	0.0	0.0
	1	0.09	0.30	-14.77	0.0	0.0	0.0
	1	0.09	0.30	-14.77	0.0	0.0	0.0
412	228	-0.04	-15.65	-154.78	0.0	0.0	0.0
	225	0.02	15.78	153.72	0.0	0.0	0.0
	1	0.32	-0.03	-2.10	0.0	0.0	0.0
	1	0.32	-0.03	-2.10	0.0	0.0	0.0
	1	0.32	-0.03	-2.10	0.0	0.0	0.0
	1	0.32	-0.03	-2.10	0.0	0.0	0.0
416	228	-0.05	-32.22	-127.19	0.0	0.0	0.0
	225	0.04	32.47	121.67	0.0	0.0	0.0
	1	0.54	-0.07	-5.10	0.0	0.0	0.0
	1	0.54	-0.07	-5.10	0.0	0.0	0.0
	1	0.54	-0.07	-5.10	0.0	0.0	0.0
	1	0.54	-0.07	-5.10	0.0	0.0	0.0
420	230	0.02	-31.63	-53.98	0.0	0.0	0.0
	231	-6.58e-03	31.85	42.60	0.0	0.0	0.0
	1	0.44	-0.10	-7.95	0.0	0.0	0.0
	1	0.44	-0.10	-7.95	0.0	0.0	0.0
	1	0.44	-0.10	-7.95	0.0	0.0	0.0
	1	0.44	-0.10	-7.95	0.0	0.0	0.0
424	221	0.03	5.35	-79.45	0.0	0.0	0.0
	224	4.79e-03	-5.22	57.98	0.0	0.0	0.0
	1	0.30	-0.16	-13.34	0.0	0.0	0.0
	1	0.30	-0.16	-13.34	0.0	0.0	0.0
	1	0.30	-0.16	-13.34	0.0	0.0	0.0
	1	0.30	-0.16	-13.34	0.0	0.0	0.0
428	224	-23.11	-1.76	-136.76	0.0	0.0	0.0
	221	24.18	0.17	42.94	0.0	0.0	0.0
	1	1.29	-0.77	-42.27	0.0	0.0	0.0
	1	1.29	-0.77	-42.27	0.0	0.0	0.0
	1	1.29	-0.77	-42.27	0.0	0.0	0.0
	1	1.29	-0.77	-42.27	0.0	0.0	0.0
460	227	-0.01	11.02	-88.07	0.0	0.0	0.0
	226	0.03	-8.51	47.50	0.0	0.0	0.0
	1	8.70e-03	1.09	-18.74	0.0	0.0	0.0
	1	8.70e-03	1.09	-18.74	0.0	0.0	0.0
	1	8.70e-03	1.09	-18.74	0.0	0.0	0.0
	1	8.70e-03	1.09	-18.74	0.0	0.0	0.0
464	233	0.01	5.59	-109.28	0.0	0.0	0.0
	236	-0.02	-5.38	82.31	0.0	0.0	0.0
	1	-4.15e-03	0.07	-12.30	0.0	0.0	0.0
	1	-4.15e-03	0.07	-12.30	0.0	0.0	0.0
	1	-4.15e-03	0.07	-12.30	0.0	0.0	0.0
	1	-4.15e-03	0.07	-12.30	0.0	0.0	0.0

475	240	-0.02	-7.86	-94.28	0.0	0.0	0.0
	237	0.02	4.82	74.19	0.0	0.0	0.0
	1	-8.82e-04	-1.40	-9.73	0.0	0.0	0.0
	1	-8.82e-04	-1.40	-9.73	0.0	0.0	0.0
	1	-8.82e-04	-1.40	-9.73	0.0	0.0	0.0
	1	-8.82e-04	-1.40	-9.73	0.0	0.0	0.0
478	219	-10.57	1.28	-131.98	0.0	0.0	0.0
	218	11.34	1.39	81.14	0.0	0.0	0.0
	1	0.73	1.28	-22.48	0.0	0.0	0.0
	1	0.73	1.28	-22.48	0.0	0.0	0.0
	1	0.73	1.28	-22.48	0.0	0.0	0.0
	1	0.73	1.28	-22.48	0.0	0.0	0.0
492	218	22.34	-0.04	-126.84	0.0	0.0	0.0
	219	-21.33	0.05	117.01	0.0	0.0	0.0
	1	1.20	1.21e-03	-9.90	0.0	0.0	0.0
	1	1.20	1.21e-03	-9.90	0.0	0.0	0.0
	1	1.20	1.21e-03	-9.90	0.0	0.0	0.0
	1	1.20	1.21e-03	-9.90	0.0	0.0	0.0
496	218	23.24	-0.03	-61.70	0.0	0.0	0.0
	219	-22.21	0.03	46.48	0.0	0.0	0.0
	1	1.24	-4.25e-03	-10.83	0.0	0.0	0.0
	1	1.24	-4.25e-03	-10.83	0.0	0.0	0.0
	1	1.24	-4.25e-03	-10.83	0.0	0.0	0.0
	1	1.24	-4.25e-03	-10.83	0.0	0.0	0.0
500	221	22.13	-0.10	-37.52	0.0	0.0	0.0
	224	-21.05	0.09	16.55	0.0	0.0	0.0
	1	1.27	-8.74e-03	-12.66	0.0	0.0	0.0
	1	1.27	-8.74e-03	-12.66	0.0	0.0	0.0
	1	1.27	-8.74e-03	-12.66	0.0	0.0	0.0
	1	1.27	-8.74e-03	-12.66	0.0	0.0	0.0
504	237	9.38	-0.72	-36.35	0.0	0.0	0.0
	240	-8.25	0.70	8.55	0.0	0.0	0.0
	1	1.30	-0.01	-15.36	0.0	0.0	0.0
	1	1.30	-0.01	-15.36	0.0	0.0	0.0
	1	1.30	-0.01	-15.36	0.0	0.0	0.0
	1	1.30	-0.01	-15.36	0.0	0.0	0.0
508	225	-2.77	7.26	-66.46	0.0	0.0	0.0
	228	4.00	-6.16	20.92	0.0	0.0	0.0
	1	1.32	0.68	-24.15	0.0	0.0	0.0
	1	1.32	0.68	-24.15	0.0	0.0	0.0
	1	1.32	0.68	-24.15	0.0	0.0	0.0
	1	1.32	0.68	-24.15	0.0	0.0	0.0
512	231	-12.45	-1.42	-85.98	0.0	0.0	0.0
	230	13.78	1.39	32.95	0.0	0.0	0.0
	1	1.38	-0.01	-25.75	0.0	0.0	0.0
	1	1.38	-0.01	-25.75	0.0	0.0	0.0
	1	1.38	-0.01	-25.75	0.0	0.0	0.0
	1	1.38	-0.01	-25.75	0.0	0.0	0.0
517	228	-0.05	-8.80	-100.79	0.0	0.0	0.0
	225	0.05	7.40	91.76	0.0	0.0	0.0
	1	0.59	-0.64	-4.48	0.0	0.0	0.0
	1	0.59	-0.64	-4.48	0.0	0.0	0.0
	1	0.59	-0.64	-4.48	0.0	0.0	0.0
	1	0.59	-0.64	-4.48	0.0	0.0	0.0
547	218	12.75	-9.24e-03	-66.98	0.0	0.0	0.0
	219	-13.58	8.65e-03	5.43	0.0	0.0	0.0
	1	-0.02	-3.41e-04	-30.75	0.0	0.0	0.0
	1	-0.02	-3.41e-04	-30.75	0.0	0.0	0.0
	1	-0.02	-3.41e-04	-30.75	0.0	0.0	0.0
	1	-0.02	-3.41e-04	-30.75	0.0	0.0	0.0
550	219	-27.15	0.01	-88.06	0.0	0.0	0.0
	218	25.50	-0.01	-6.73	0.0	0.0	0.0
	1	-0.02	-1.27e-04	-44.26	0.0	0.0	0.0
	1	-0.02	-1.27e-04	-44.26	0.0	0.0	0.0
	1	-0.02	-1.27e-04	-44.26	0.0	0.0	0.0
	1	-0.02	-1.27e-04	-44.26	0.0	0.0	0.0
556	219	-26.95	0.04	-52.57	0.0	0.0	0.0
	218	25.42	-0.04	3.38	0.0	0.0	0.0
	1	0.03	9.54e-05	-22.31	0.0	0.0	0.0
	1	0.03	9.54e-05	-22.31	0.0	0.0	0.0
	1	0.03	9.54e-05	-22.31	0.0	0.0	0.0
	1	0.03	9.54e-05	-22.31	0.0	0.0	0.0
560	28	-2.77	5.48e-04	-23.15	0.0	0.0	0.0
	218	25.26	-0.04	-4.54	0.0	0.0	0.0
	1	0.10	1.88e-04	-11.17	0.0	0.0	0.0

	1	0.10	1.88e-04	-11.17	0.0	0.0	0.0
	1	0.10	1.88e-04	-11.17	0.0	0.0	0.0
	1	0.10	1.88e-04	-11.17	0.0	0.0	0.0
564	219	-26.37	0.04	-18.54	0.0	0.0	0.0
	218	25.09	-0.04	2.34	0.0	0.0	0.0
	1	0.15	1.28e-04	-6.71	0.0	0.0	0.0
	1	0.15	1.28e-04	-6.71	0.0	0.0	0.0
	1	0.15	1.28e-04	-6.71	0.0	0.0	0.0
	1	0.15	1.28e-04	-6.71	0.0	0.0	0.0
568	219	-25.39	9.38e-03	-62.67	0.0	0.0	0.0
	218	24.18	-9.54e-03	50.93	0.0	0.0	0.0
	1	0.16	-5.15e-05	-3.31	0.0	0.0	0.0
	1	0.16	-5.15e-05	-3.31	0.0	0.0	0.0
	1	0.16	-5.15e-05	-3.31	0.0	0.0	0.0
	1	0.16	-5.15e-05	-3.31	0.0	0.0	0.0
572	219	-12.26	0.02	-103.11	0.0	0.0	0.0
	218	11.68	-0.02	97.42	0.0	0.0	0.0
	1	0.07	1.09e-04	0.49	0.0	0.0	0.0
	1	0.07	1.09e-04	0.49	0.0	0.0	0.0
	1	0.07	1.09e-04	0.49	0.0	0.0	0.0
	1	0.07	1.09e-04	0.49	0.0	0.0	0.0
604	237	3.81	-0.27	-100.57	0.0	0.0	0.0
	240	-4.66	0.25	68.99	0.0	0.0	0.0
	1	0.24	-9.03e-03	-16.91	0.0	0.0	0.0
	1	0.24	-9.03e-03	-16.91	0.0	0.0	0.0
	1	0.24	-9.03e-03	-16.91	0.0	0.0	0.0
	1	0.24	-9.03e-03	-16.91	0.0	0.0	0.0
608	237	4.96	-0.17	-55.53	0.0	0.0	0.0
	240	-4.20	0.16	13.23	0.0	0.0	0.0
	1	1.21	-4.40e-04	-21.63	0.0	0.0	0.0
	1	1.21	-4.40e-04	-21.63	0.0	0.0	0.0
	1	1.21	-4.40e-04	-21.63	0.0	0.0	0.0
	1	1.21	-4.40e-04	-21.63	0.0	0.0	0.0
612	52	0.75	-0.01	-39.19	0.0	0.0	0.0
	224	-24.29	0.08	-8.64	0.0	0.0	0.0
	1	1.22	2.58e-03	-21.65	0.0	0.0	0.0
	1	1.22	2.58e-03	-21.65	0.0	0.0	0.0
	1	1.22	2.58e-03	-21.65	0.0	0.0	0.0
	1	1.22	2.58e-03	-21.65	0.0	0.0	0.0
616	76	0.77	0.01	-39.76	0.0	0.0	0.0
	227	-10.83	-0.65	-5.37	0.0	0.0	0.0
	1	1.18	1.54e-03	-21.66	0.0	0.0	0.0
	1	1.18	1.54e-03	-21.66	0.0	0.0	0.0
	1	1.18	1.54e-03	-21.66	0.0	0.0	0.0
	1	1.18	1.54e-03	-21.66	0.0	0.0	0.0
620	236	-2.29	-5.22	-106.29	0.0	0.0	0.0
	233	3.22	4.27	47.55	0.0	0.0	0.0
	1	1.22	-0.48	-28.49	0.0	0.0	0.0
	1	1.22	-0.48	-28.49	0.0	0.0	0.0
	1	1.22	-0.48	-28.49	0.0	0.0	0.0
	1	1.22	-0.48	-28.49	0.0	0.0	0.0
624	240	-4.23	1.22	-69.91	0.0	0.0	0.0
	237	5.20	-1.22	10.98	0.0	0.0	0.0
	1	1.26	-1.12e-03	-27.69	0.0	0.0	0.0
	1	1.26	-1.12e-03	-27.69	0.0	0.0	0.0
	1	1.26	-1.12e-03	-27.69	0.0	0.0	0.0
	1	1.26	-1.12e-03	-27.69	0.0	0.0	0.0
632	220	-12.22	0.17	-139.34	0.0	0.0	0.0
	217	12.81	-0.17	87.36	0.0	0.0	0.0
	1	0.69	-9.50e-05	-20.64	0.0	0.0	0.0
	1	0.69	-9.50e-05	-20.64	0.0	0.0	0.0
	1	0.69	-9.50e-05	-20.64	0.0	0.0	0.0
	1	0.69	-9.50e-05	-20.64	0.0	0.0	0.0
670	235	4.33e-03	9.19	-208.96	0.0	0.0	0.0
	234	9.85e-03	-10.70	114.20	0.0	0.0	0.0
	1	0.01	-0.62	-40.37	0.0	0.0	0.0
	1	0.01	-0.62	-40.37	0.0	0.0	0.0
	1	0.01	-0.62	-40.37	0.0	0.0	0.0
	1	0.01	-0.62	-40.37	0.0	0.0	0.0
683	225	-5.07e-03	12.85	-80.95	0.0	0.0	0.0
	228	0.02	-11.10	54.46	0.0	0.0	0.0
	1	0.19	0.79	-12.62	0.0	0.0	0.0
	1	0.19	0.79	-12.62	0.0	0.0	0.0
	1	0.19	0.79	-12.62	0.0	0.0	0.0
	1	0.19	0.79	-12.62	0.0	0.0	0.0

689	225	0.02	5.86	-107.63	0.0	0.0	0.0
	228	-0.03	-5.65	89.44	0.0	0.0	0.0
	1	0.22	0.07	-8.46	0.0	0.0	0.0
	1	0.22	0.07	-8.46	0.0	0.0	0.0
	1	0.22	0.07	-8.46	0.0	0.0	0.0
	1	0.22	0.07	-8.46	0.0	0.0	0.0
696	235	1.03e-03	19.18	-214.88	0.0	0.0	0.0
	234	0.02	-22.32	61.27	0.0	0.0	0.0
	1	0.02	-1.29	-66.67	0.0	0.0	0.0
	1	0.02	-1.29	-66.67	0.0	0.0	0.0
	1	0.02	-1.29	-66.67	0.0	0.0	0.0
	1	0.02	-1.29	-66.67	0.0	0.0	0.0
700	239	-0.03	22.12	-94.80	0.0	0.0	0.0
	238	0.04	-25.14	-2.79	0.0	0.0	0.0
	1	0.01	-1.24	-44.10	0.0	0.0	0.0
	1	0.01	-1.24	-44.10	0.0	0.0	0.0
	1	0.01	-1.24	-44.10	0.0	0.0	0.0
	1	0.01	-1.24	-44.10	0.0	0.0	0.0
704	28	1.08e-03	-2.65	-60.44	0.0	0.0	0.0
	218	0.17	-8.63	-17.69	0.0	0.0	0.0
	1	5.68e-03	-1.18	-30.94	0.0	0.0	0.0
	1	5.68e-03	-1.18	-30.94	0.0	0.0	0.0
	1	5.68e-03	-1.18	-30.94	0.0	0.0	0.0
	1	5.68e-03	-1.18	-30.94	0.0	0.0	0.0
708	236	-3.24e-04	-28.70	-103.42	0.0	0.0	0.0
	233	-2.78e-03	25.71	50.89	0.0	0.0	0.0
	1	-2.97e-03	-1.24	-25.52	0.0	0.0	0.0
	1	-2.97e-03	-1.24	-25.52	0.0	0.0	0.0
	1	-2.97e-03	-1.24	-25.52	0.0	0.0	0.0
	1	-2.97e-03	-1.24	-25.52	0.0	0.0	0.0
736	235	-2.09e-03	17.14	-151.83	0.0	0.0	0.0
	234	3.94e-03	-17.38	135.79	0.0	0.0	0.0
	1	3.92e-04	-0.16	-7.96	0.0	0.0	0.0
	1	3.92e-04	-0.16	-7.96	0.0	0.0	0.0
	1	3.92e-04	-0.16	-7.96	0.0	0.0	0.0
	1	3.92e-04	-0.16	-7.96	0.0	0.0	0.0
740	235	-0.03	30.85	-90.43	0.0	0.0	0.0
	234	0.03	-31.24	63.54	0.0	0.0	0.0
	1	-5.43e-04	-0.28	-13.39	0.0	0.0	0.0
	1	-5.43e-04	-0.28	-13.39	0.0	0.0	0.0
	1	-5.43e-04	-0.28	-13.39	0.0	0.0	0.0
	1	-5.43e-04	-0.28	-13.39	0.0	0.0	0.0
744	224	-0.03	-4.42	-82.03	0.0	0.0	0.0
	221	0.03	4.83	65.25	0.0	0.0	0.0
	1	-8.32e-04	0.08	-8.12	0.0	0.0	0.0
	1	-8.32e-04	0.08	-8.12	0.0	0.0	0.0
	1	-8.32e-04	0.08	-8.12	0.0	0.0	0.0
	1	-8.32e-04	0.08	-8.12	0.0	0.0	0.0
748	240	-2.16	-11.72	-194.88	0.0	0.0	0.0
	237	1.92	10.90	181.06	0.0	0.0	0.0
	1	0.28	-0.41	-5.20	0.0	0.0	0.0
	1	0.28	-0.41	-5.20	0.0	0.0	0.0
	1	0.28	-0.41	-5.20	0.0	0.0	0.0
	1	0.28	-0.41	-5.20	0.0	0.0	0.0
779	217	22.87	0.03	-62.55	0.0	0.0	0.0
	220	-25.07	-0.02	30.49	0.0	0.0	0.0
	1	-0.28	5.24e-03	-16.26	0.0	0.0	0.0
	1	-0.28	5.24e-03	-16.26	0.0	0.0	0.0
	1	-0.28	5.24e-03	-16.26	0.0	0.0	0.0
	1	-0.28	5.24e-03	-16.26	0.0	0.0	0.0
783	217	24.00	9.37e-03	-39.86	0.0	0.0	0.0
	220	-24.57	-3.19e-03	1.05	0.0	0.0	0.0
	1	0.64	2.51e-03	-19.19	0.0	0.0	0.0
	1	0.64	2.51e-03	-19.19	0.0	0.0	0.0
	1	0.64	2.51e-03	-19.19	0.0	0.0	0.0
	1	0.64	2.51e-03	-19.19	0.0	0.0	0.0
787	52	-0.52	1.46e-03	-32.42	0.0	0.0	0.0
	220	-24.64	-0.04	-7.03	0.0	0.0	0.0
	1	0.64	6.77e-04	-17.83	0.0	0.0	0.0
	1	0.64	6.77e-04	-17.83	0.0	0.0	0.0
	1	0.64	6.77e-04	-17.83	0.0	0.0	0.0
	1	0.64	6.77e-04	-17.83	0.0	0.0	0.0
791	4	0.37	1.08e-04	-31.90	0.0	0.0	0.0
	45	-3.04	-5.61e-05	-11.62	0.0	0.0	0.0
	1	0.64	7.14e-05	-17.57	0.0	0.0	0.0

	1	0.64	7.14e-05	-17.57	0.0	0.0	0.0
	1	0.64	7.14e-05	-17.57	0.0	0.0	0.0
	1	0.64	7.14e-05	-17.57	0.0	0.0	0.0
795	4	0.36	3.90e-04	-32.08	0.0	0.0	0.0
	45	-3.00	-4.15e-05	-12.03	0.0	0.0	0.0
	1	0.63	2.45e-04	-17.80	0.0	0.0	0.0
	1	0.63	2.45e-04	-17.80	0.0	0.0	0.0
	1	0.63	2.45e-04	-17.80	0.0	0.0	0.0
	1	0.63	2.45e-04	-17.80	0.0	0.0	0.0
799	4	0.35	1.77e-03	-32.01	0.0	0.0	0.0
	45	-2.97	2.29e-04	-12.35	0.0	0.0	0.0
	1	0.61	8.87e-04	-17.91	0.0	0.0	0.0
	1	0.61	8.87e-04	-17.91	0.0	0.0	0.0
	1	0.61	8.87e-04	-17.91	0.0	0.0	0.0
	1	0.61	8.87e-04	-17.91	0.0	0.0	0.0
803	76	-0.50	3.20e-03	-30.97	0.0	0.0	0.0
	69	-0.20	5.76e-04	-12.04	0.0	0.0	0.0
	1	0.60	1.55e-03	-17.44	0.0	0.0	0.0
	1	0.60	1.55e-03	-17.44	0.0	0.0	0.0
	1	0.60	1.55e-03	-17.44	0.0	0.0	0.0
	1	0.60	1.55e-03	-17.44	0.0	0.0	0.0
807	28	-2.17	2.86e-03	-29.28	0.0	0.0	0.0
	237	4.58	0.09	-11.11	0.0	0.0	0.0
	1	0.59	1.59e-03	-16.57	0.0	0.0	0.0
	1	0.59	1.59e-03	-16.57	0.0	0.0	0.0
	1	0.59	1.59e-03	-16.57	0.0	0.0	0.0
	1	0.59	1.59e-03	-16.57	0.0	0.0	0.0
811	28	-2.16	-4.18e-05	-27.13	0.0	0.0	0.0
	237	4.55	0.11	-4.26	0.0	0.0	0.0
	1	0.58	1.77e-04	-15.47	0.0	0.0	0.0
	1	0.58	1.77e-04	-15.47	0.0	0.0	0.0
	1	0.58	1.77e-04	-15.47	0.0	0.0	0.0
	1	0.58	1.77e-04	-15.47	0.0	0.0	0.0
815	240	-5.08	-0.13	-35.86	0.0	0.0	0.0
	237	4.52	0.13	7.48	0.0	0.0	0.0
	1	0.57	-3.21e-03	-14.10	0.0	0.0	0.0
	1	0.57	-3.21e-03	-14.10	0.0	0.0	0.0
	1	0.57	-3.21e-03	-14.10	0.0	0.0	0.0
	1	0.57	-3.21e-03	-14.10	0.0	0.0	0.0
819	240	-5.03	-0.10	-52.89	0.0	0.0	0.0
	237	4.46	0.08	28.55	0.0	0.0	0.0
	1	0.56	-8.08e-03	-12.26	0.0	0.0	0.0
	1	0.56	-8.08e-03	-12.26	0.0	0.0	0.0
	1	0.56	-8.08e-03	-12.26	0.0	0.0	0.0
	1	0.56	-8.08e-03	-12.26	0.0	0.0	0.0
823	240	-4.76	0.19	-101.28	0.0	0.0	0.0
	237	4.22	-0.21	82.03	0.0	0.0	0.0
	1	0.56	-0.01	-9.53	0.0	0.0	0.0
	1	0.56	-0.01	-9.53	0.0	0.0	0.0
	1	0.56	-0.01	-9.53	0.0	0.0	0.0
	1	0.56	-0.01	-9.53	0.0	0.0	0.0
875	236	0.20	-23.22	-77.36	0.0	0.0	0.0
	233	-0.19	25.24	27.91	0.0	0.0	0.0
	1	-3.30e-03	1.05	-24.36	0.0	0.0	0.0
	1	-3.30e-03	1.05	-24.36	0.0	0.0	0.0
	1	-3.30e-03	1.05	-24.36	0.0	0.0	0.0
	1	-3.30e-03	1.05	-24.36	0.0	0.0	0.0
879	76	4.17e-03	-0.89	-63.49	0.0	0.0	0.0
	233	2.64e-03	24.54	-12.56	0.0	0.0	0.0
	1	6.65e-04	0.04	-34.50	0.0	0.0	0.0
	1	6.65e-04	0.04	-34.50	0.0	0.0	0.0
	1	6.65e-04	0.04	-34.50	0.0	0.0	0.0
	1	6.65e-04	0.04	-34.50	0.0	0.0	0.0
883	76	2.11e-03	-0.86	-67.97	0.0	0.0	0.0
	69	8.36e-04	2.83	-23.05	0.0	0.0	0.0
	1	1.89e-03	0.04	-36.68	0.0	0.0	0.0
	1	1.89e-03	0.04	-36.68	0.0	0.0	0.0
	1	1.89e-03	0.04	-36.68	0.0	0.0	0.0
	1	1.89e-03	0.04	-36.68	0.0	0.0	0.0
887	76	1.35e-03	-0.81	-71.72	0.0	0.0	0.0
	69	6.12e-04	2.80	-24.68	0.0	0.0	0.0
	1	1.57e-03	0.05	-38.60	0.0	0.0	0.0
	1	1.57e-03	0.05	-38.60	0.0	0.0	0.0
	1	1.57e-03	0.05	-38.60	0.0	0.0	0.0
	1	1.57e-03	0.05	-38.60	0.0	0.0	0.0

891	76	7.66e-04	-0.77	-74.14	0.0	0.0	0.0
	69	3.76e-04	2.77	-25.76	0.0	0.0	0.0
	1	9.46e-04	0.07	-39.88	0.0	0.0	0.0
	1	9.46e-04	0.07	-39.88	0.0	0.0	0.0
	1	9.46e-04	0.07	-39.88	0.0	0.0	0.0
	1	9.46e-04	0.07	-39.88	0.0	0.0	0.0
895	4	-6.28e-04	0.13	-75.64	0.0	0.0	0.0
	45	-1.44e-03	-0.14	-26.37	0.0	0.0	0.0
	1	-2.65e-04	0.08	-40.65	0.0	0.0	0.0
	1	-2.65e-04	0.08	-40.65	0.0	0.0	0.0
	1	-2.65e-04	0.08	-40.65	0.0	0.0	0.0
	1	-2.65e-04	0.08	-40.65	0.0	0.0	0.0
899	52	-5.32e-03	1.73	-76.59	0.0	0.0	0.0
	45	-6.89e-04	-0.13	-26.50	0.0	0.0	0.0
	1	-2.85e-03	0.10	-41.08	0.0	0.0	0.0
	1	-2.85e-03	0.10	-41.08	0.0	0.0	0.0
	1	-2.85e-03	0.10	-41.08	0.0	0.0	0.0
	1	-2.85e-03	0.10	-41.08	0.0	0.0	0.0
903	52	-0.01	1.74	-77.44	0.0	0.0	0.0
	45	6.37e-04	-0.12	-26.48	0.0	0.0	0.0
	1	-7.47e-03	0.11	-41.37	0.0	0.0	0.0
	1	-7.47e-03	0.11	-41.37	0.0	0.0	0.0
	1	-7.47e-03	0.11	-41.37	0.0	0.0	0.0
	1	-7.47e-03	0.11	-41.37	0.0	0.0	0.0
907	52	-0.02	1.75	-78.71	0.0	0.0	0.0
	45	3.79e-03	-0.11	-26.33	0.0	0.0	0.0
	1	-0.01	0.12	-41.86	0.0	0.0	0.0
	1	-0.01	0.12	-41.86	0.0	0.0	0.0
	1	-0.01	0.12	-41.86	0.0	0.0	0.0
	1	-0.01	0.12	-41.86	0.0	0.0	0.0
911	221	-0.34	8.98	-83.52	0.0	0.0	0.0
	224	0.30	-8.80	-5.27	0.0	0.0	0.0
	1	-0.03	0.13	-43.36	0.0	0.0	0.0
	1	-0.03	0.13	-43.36	0.0	0.0	0.0
	1	-0.03	0.13	-43.36	0.0	0.0	0.0
	1	-0.03	0.13	-43.36	0.0	0.0	0.0
915	221	8.92	8.51	-181.51	0.0	0.0	0.0
	224	-6.78	-8.30	70.64	0.0	0.0	0.0
	1	1.30	0.15	-55.48	0.0	0.0	0.0
	1	1.30	0.15	-55.48	0.0	0.0	0.0
	1	1.30	0.15	-55.48	0.0	0.0	0.0
	1	1.30	0.15	-55.48	0.0	0.0	0.0
963	237	-0.17	24.59	-115.01	0.0	0.0	0.0
	240	0.13	-24.28	22.29	0.0	0.0	0.0
	1	-0.03	0.20	-43.84	0.0	0.0	0.0
	1	-0.03	0.20	-43.84	0.0	0.0	0.0
	1	-0.03	0.20	-43.84	0.0	0.0	0.0
	1	-0.03	0.20	-43.84	0.0	0.0	0.0
967	237	-4.48e-03	24.82	-102.64	0.0	0.0	0.0
	240	-0.02	-24.38	23.58	0.0	0.0	0.0
	1	-0.02	0.26	-36.03	0.0	0.0	0.0
	1	-0.02	0.26	-36.03	0.0	0.0	0.0
	1	-0.02	0.26	-36.03	0.0	0.0	0.0
	1	-0.02	0.26	-36.03	0.0	0.0	0.0
971	233	-7.49e-03	22.21	-51.07	0.0	0.0	0.0
	236	-8.24e-03	-21.74	2.20	0.0	0.0	0.0
	1	-8.82e-03	0.27	-21.20	0.0	0.0	0.0
	1	-8.82e-03	0.27	-21.20	0.0	0.0	0.0
	1	-8.82e-03	0.27	-21.20	0.0	0.0	0.0
	1	-8.82e-03	0.27	-21.20	0.0	0.0	0.0
975	52	-6.99e-03	1.70	-32.16	0.0	0.0	0.0
	93	-1.92e-03	-1.01	-8.92	0.0	0.0	0.0
	1	-3.92e-03	0.22	-14.07	0.0	0.0	0.0
	1	-3.92e-03	0.22	-14.07	0.0	0.0	0.0
	1	-3.92e-03	0.22	-14.07	0.0	0.0	0.0
	1	-3.92e-03	0.22	-14.07	0.0	0.0	0.0
979	235	-0.01	30.54	-72.24	0.0	0.0	0.0
	234	0.01	-30.14	36.12	0.0	0.0	0.0
	1	6.74e-04	0.24	-14.63	0.0	0.0	0.0
	1	6.74e-04	0.24	-14.63	0.0	0.0	0.0
	1	6.74e-04	0.24	-14.63	0.0	0.0	0.0
	1	6.74e-04	0.24	-14.63	0.0	0.0	0.0
983	235	-8.41e-03	17.27	-137.71	0.0	0.0	0.0
	234	0.01	-17.07	116.94	0.0	0.0	0.0
	1	3.54e-03	0.12	-8.53	0.0	0.0	0.0

	1	3.54e-03	0.12	-8.53	0.0	0.0	0.0
	1	3.54e-03	0.12	-8.53	0.0	0.0	0.0
	1	3.54e-03	0.12	-8.53	0.0	0.0	0.0
1011	240	0.25	-21.79	-105.32	0.0	0.0	0.0
	237	-0.24	22.42	73.01	0.0	0.0	0.0
	1	-7.81e-03	0.36	-16.78	0.0	0.0	0.0
	1	-7.81e-03	0.36	-16.78	0.0	0.0	0.0
	1	-7.81e-03	0.36	-16.78	0.0	0.0	0.0
	1	-7.81e-03	0.36	-16.78	0.0	0.0	0.0
1015	240	-4.34e-03	-23.06	-63.49	0.0	0.0	0.0
	237	5.03e-03	22.23	15.95	0.0	0.0	0.0
	1	-3.49e-03	-0.34	-25.05	0.0	0.0	0.0
	1	-3.49e-03	-0.34	-25.05	0.0	0.0	0.0
	1	-3.49e-03	-0.34	-25.05	0.0	0.0	0.0
	1	-3.49e-03	-0.34	-25.05	0.0	0.0	0.0
1019	240	-0.05	-23.19	-45.44	0.0	0.0	0.0
	237	0.05	22.33	-6.60	0.0	0.0	0.0
	1	5.79e-06	-0.35	-27.54	0.0	0.0	0.0
	1	5.79e-06	-0.35	-27.54	0.0	0.0	0.0
	1	5.79e-06	-0.35	-27.54	0.0	0.0	0.0
	1	5.79e-06	-0.35	-27.54	0.0	0.0	0.0
1023	28	-3.45e-03	-1.01	-50.12	0.0	0.0	0.0
	209	0.19	-7.01	-16.98	0.0	0.0	0.0
	1	8.63e-04	-0.36	-30.75	0.0	0.0	0.0
	1	8.63e-04	-0.36	-30.75	0.0	0.0	0.0
	1	8.63e-04	-0.36	-30.75	0.0	0.0	0.0
	1	8.63e-04	-0.36	-30.75	0.0	0.0	0.0
1027	52	-8.88e-04	0.50	-58.21	0.0	0.0	0.0
	214	0.14	-17.62	-17.27	0.0	0.0	0.0
	1	8.23e-04	-0.39	-35.50	0.0	0.0	0.0
	1	8.23e-04	-0.39	-35.50	0.0	0.0	0.0
	1	8.23e-04	-0.39	-35.50	0.0	0.0	0.0
	1	8.23e-04	-0.39	-35.50	0.0	0.0	0.0
1031	235	-0.02	24.13	-94.04	0.0	0.0	0.0
	234	0.02	-25.11	11.02	0.0	0.0	0.0
	1	7.20e-04	-0.41	-43.66	0.0	0.0	0.0
	1	7.20e-04	-0.41	-43.66	0.0	0.0	0.0
	1	7.20e-04	-0.41	-43.66	0.0	0.0	0.0
	1	7.20e-04	-0.41	-43.66	0.0	0.0	0.0
1035	235	-0.02	11.66	-117.58	0.0	0.0	0.0
	234	0.02	-12.14	70.44	0.0	0.0	0.0
	1	4.60e-04	-0.20	-24.97	0.0	0.0	0.0
	1	4.60e-04	-0.20	-24.97	0.0	0.0	0.0
	1	4.60e-04	-0.20	-24.97	0.0	0.0	0.0
	1	4.60e-04	-0.20	-24.97	0.0	0.0	0.0
1066	224	-8.79	-2.33	-150.42	0.0	0.0	0.0
	221	6.23	3.19	90.53	0.0	0.0	0.0
	1	-1.02	0.46	-27.24	0.0	0.0	0.0
	1	-1.02	0.46	-27.24	0.0	0.0	0.0
	1	-1.02	0.46	-27.24	0.0	0.0	0.0
	1	-1.02	0.46	-27.24	0.0	0.0	0.0
1069	212	0.26	7.83	-73.93	0.0	0.0	0.0
	209	-0.21	-6.34	18.52	0.0	0.0	0.0
	1	0.02	0.81	-25.91	0.0	0.0	0.0
	1	0.02	0.81	-25.91	0.0	0.0	0.0
	1	0.02	0.81	-25.91	0.0	0.0	0.0
	1	0.02	0.81	-25.91	0.0	0.0	0.0
1075	28	0.03	1.01	-28.53	0.0	0.0	0.0
	214	0.06	-16.59	-2.87	0.0	0.0	0.0
	1	9.53e-03	0.73	-14.29	0.0	0.0	0.0
	1	9.53e-03	0.73	-14.29	0.0	0.0	0.0
	1	9.53e-03	0.73	-14.29	0.0	0.0	0.0
	1	9.53e-03	0.73	-14.29	0.0	0.0	0.0
1079	28	9.21e-03	0.87	-17.53	0.0	0.0	0.0
	19	2.41e-03	0.53	-5.74	0.0	0.0	0.0
	1	4.23e-03	0.67	-8.55	0.0	0.0	0.0
	1	4.23e-03	0.67	-8.55	0.0	0.0	0.0
	1	4.23e-03	0.67	-8.55	0.0	0.0	0.0
	1	4.23e-03	0.67	-8.55	0.0	0.0	0.0
1083	51	-2.82e-04	2.17	-14.42	0.0	0.0	0.0
	234	0.01	-24.23	-4.07	0.0	0.0	0.0
	1	2.55e-05	0.62	-6.71	0.0	0.0	0.0
	1	2.55e-05	0.62	-6.71	0.0	0.0	0.0
	1	2.55e-05	0.62	-6.71	0.0	0.0	0.0
	1	2.55e-05	0.62	-6.71	0.0	0.0	0.0

1087	235	-0.06	29.25	-60.75	0.0	0.0	0.0
	234	0.05	-28.03	44.93	0.0	0.0	0.0
	1	-3.94e-03	0.71	-6.87	0.0	0.0	0.0
	1	-3.94e-03	0.71	-6.87	0.0	0.0	0.0
	1	-3.94e-03	0.71	-6.87	0.0	0.0	0.0
	1	-3.94e-03	0.71	-6.87	0.0	0.0	0.0
1091	235	-0.04	16.59	-120.62	0.0	0.0	0.0
	234	0.03	-15.92	111.43	0.0	0.0	0.0
	1	-4.40e-03	0.39	-4.37	0.0	0.0	0.0
	1	-4.40e-03	0.39	-4.37	0.0	0.0	0.0
	1	-4.40e-03	0.39	-4.37	0.0	0.0	0.0
	1	-4.40e-03	0.39	-4.37	0.0	0.0	0.0
1123	215	-15.06	0.09	-78.49	0.0	0.0	0.0
	214	19.51	-0.04	16.86	0.0	0.0	0.0
	1	2.56	0.02	-30.50	0.0	0.0	0.0
	1	2.56	0.02	-30.50	0.0	0.0	0.0
	1	2.56	0.02	-30.50	0.0	0.0	0.0
	1	2.56	0.02	-30.50	0.0	0.0	0.0
1127	237	3.17	0.05	-67.09	0.0	0.0	0.0
	240	-2.09	-0.04	0.29	0.0	0.0	0.0
	1	0.99	8.69e-03	-34.34	0.0	0.0	0.0
	1	0.99	8.69e-03	-34.34	0.0	0.0	0.0
	1	0.99	8.69e-03	-34.34	0.0	0.0	0.0
	1	0.99	8.69e-03	-34.34	0.0	0.0	0.0
1131	217	17.48	0.03	-123.28	0.0	0.0	0.0
	220	-16.49	-0.03	70.61	0.0	0.0	0.0
	1	0.92	-1.97e-03	-29.25	0.0	0.0	0.0
	1	0.92	-1.97e-03	-29.25	0.0	0.0	0.0
	1	0.92	-1.97e-03	-29.25	0.0	0.0	0.0
	1	0.92	-1.97e-03	-29.25	0.0	0.0	0.0
1135	217	8.37	0.02	-127.89	0.0	0.0	0.0
	220	-7.92	-0.04	102.75	0.0	0.0	0.0
	1	0.43	-7.97e-03	-15.68	0.0	0.0	0.0
	1	0.43	-7.97e-03	-15.68	0.0	0.0	0.0
	1	0.43	-7.97e-03	-15.68	0.0	0.0	0.0
	1	0.43	-7.97e-03	-15.68	0.0	0.0	0.0
1155	237	0.96	0.02	-46.17	0.0	0.0	0.0
	240	-4.89	-0.02	-3.24	0.0	0.0	0.0
	1	-1.44	2.08e-03	-24.49	0.0	0.0	0.0
	1	-1.44	2.08e-03	-24.49	0.0	0.0	0.0
	1	-1.44	2.08e-03	-24.49	0.0	0.0	0.0
	1	-1.44	2.08e-03	-24.49	0.0	0.0	0.0
1159	215	-18.74	1.02e-03	-60.33	0.0	0.0	0.0
	214	17.71	-2.34e-04	8.98	0.0	0.0	0.0
	1	0.03	6.42e-04	-25.03	0.0	0.0	0.0
	1	0.03	6.42e-04	-25.03	0.0	0.0	0.0
	1	0.03	6.42e-04	-25.03	0.0	0.0	0.0
	1	0.03	6.42e-04	-25.03	0.0	0.0	0.0
1163	211	-16.20	0.04	-124.65	0.0	0.0	0.0
	210	15.28	-0.04	81.37	0.0	0.0	0.0
	1	0.06	-3.20e-04	-19.66	0.0	0.0	0.0
	1	0.06	-3.20e-04	-19.66	0.0	0.0	0.0
	1	0.06	-3.20e-04	-19.66	0.0	0.0	0.0
	1	0.06	-3.20e-04	-19.66	0.0	0.0	0.0
1167	212	-8.75	0.01	-130.05	0.0	0.0	0.0
	209	8.33	-0.02	107.88	0.0	0.0	0.0
	1	0.03	-6.34e-04	-8.42	0.0	0.0	0.0
	1	0.03	-6.34e-04	-8.42	0.0	0.0	0.0
	1	0.03	-6.34e-04	-8.42	0.0	0.0	0.0
	1	0.03	-6.34e-04	-8.42	0.0	0.0	0.0
1186	28	0.0	0.0	-849.64	0.0	0.0	0.0
	69	0.0	0.0	-283.15	0.0	0.0	0.0
	1	0.0	0.0	-419.47	0.0	0.0	0.0
	1	0.0	0.0	-419.47	0.0	0.0	0.0
	1	0.0	0.0	-419.47	0.0	0.0	0.0
	1	0.0	0.0	-419.47	0.0	0.0	0.0
1187	4	0.0	0.0	-817.22	0.0	0.0	0.0
	45	0.0	0.0	-272.91	0.0	0.0	0.0
	1	0.0	0.0	-405.48	0.0	0.0	0.0
	1	0.0	0.0	-405.48	0.0	0.0	0.0
	1	0.0	0.0	-405.48	0.0	0.0	0.0
	1	0.0	0.0	-405.48	0.0	0.0	0.0
1367	237	2.73	13.24	-204.06	0.0	0.0	0.0
	240	-0.98	-13.26	177.28	0.0	0.0	0.0
	1	1.38	-0.13	-16.81	0.0	0.0	0.0

	1	1.38	-0.13	-16.81	0.0	0.0	0.0
	1	1.38	-0.13	-16.81	0.0	0.0	0.0
	1	1.38	-0.13	-16.81	0.0	0.0	0.0
2106	225	-0.02	16.57	-165.37	0.0	0.0	0.0
	228	0.02	-16.01	151.24	0.0	0.0	0.0
	1	0.16	0.18	-6.83	0.0	0.0	0.0
	1	0.16	0.18	-6.83	0.0	0.0	0.0
	1	0.16	0.18	-6.83	0.0	0.0	0.0
	1	0.16	0.18	-6.83	0.0	0.0	0.0
2108	225	-0.04	34.17	-152.26	0.0	0.0	0.0
	228	0.03	-32.98	123.76	0.0	0.0	0.0
	1	0.21	0.38	-14.77	0.0	0.0	0.0
	1	0.21	0.38	-14.77	0.0	0.0	0.0
	1	0.21	0.38	-14.77	0.0	0.0	0.0
	1	0.21	0.38	-14.77	0.0	0.0	0.0
2753	218	10.76	-0.04	-136.56	0.0	0.0	0.0
	219	-10.29	0.05	131.85	0.0	0.0	0.0
	1	0.56	8.08e-03	-6.85	0.0	0.0	0.0
	1	0.56	8.08e-03	-6.85	0.0	0.0	0.0
	1	0.56	8.08e-03	-6.85	0.0	0.0	0.0
	1	0.56	8.08e-03	-6.85	0.0	0.0	0.0
3097	28	0.0	0.0	-20.91	0.0	0.0	0.0
	69	0.0	0.0	-6.32	0.0	0.0	0.0
	1	0.0	0.0	-9.51	0.0	0.0	0.0
	1	0.0	0.0	-9.51	0.0	0.0	0.0
	1	0.0	0.0	-9.51	0.0	0.0	0.0
	1	0.0	0.0	-9.51	0.0	0.0	0.0
3219	236	1.77e-03	-15.20	-147.94	0.0	0.0	0.0
	233	-0.01	13.66	120.57	0.0	0.0	0.0
	1	-8.43e-03	-0.64	-13.40	0.0	0.0	0.0
	1	-8.43e-03	-0.64	-13.40	0.0	0.0	0.0
	1	-8.43e-03	-0.64	-13.40	0.0	0.0	0.0
	1	-8.43e-03	-0.64	-13.40	0.0	0.0	0.0

32 RISULTATI ELEMENTI TIPO TRAVE

32.1 LEGENDA RISULTATI ELEMENTI TIPO TRAVE

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo trave, è possibile in relazione alle tabelle sotto riportate.

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

- tipo **pilastro**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

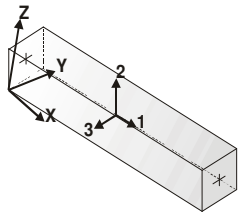
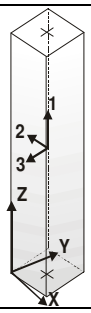
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

Per gli elementi tipo *pilastro* sono riportati in tabella i seguenti valori:

Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / direzione 3 (seconda riga)
Q2/Q3	carico totale in direzione 2 (prima riga) / direzione 3 (seconda riga)
Pos.	ascissa del punto iniziale e finale dell'elemento
N, V2, ecc..	sei componenti di sollecitazione al piede ed in sommità dell'elemento

Per gli elementi tipo *trave in elevazione* sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri.

Per gli elementi tipo *trave in fondazione* (trave f.) sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri e la massima pressione sul terreno.

 orientamento elementi 2D non verticali	 orientamento elementi 2D verticali

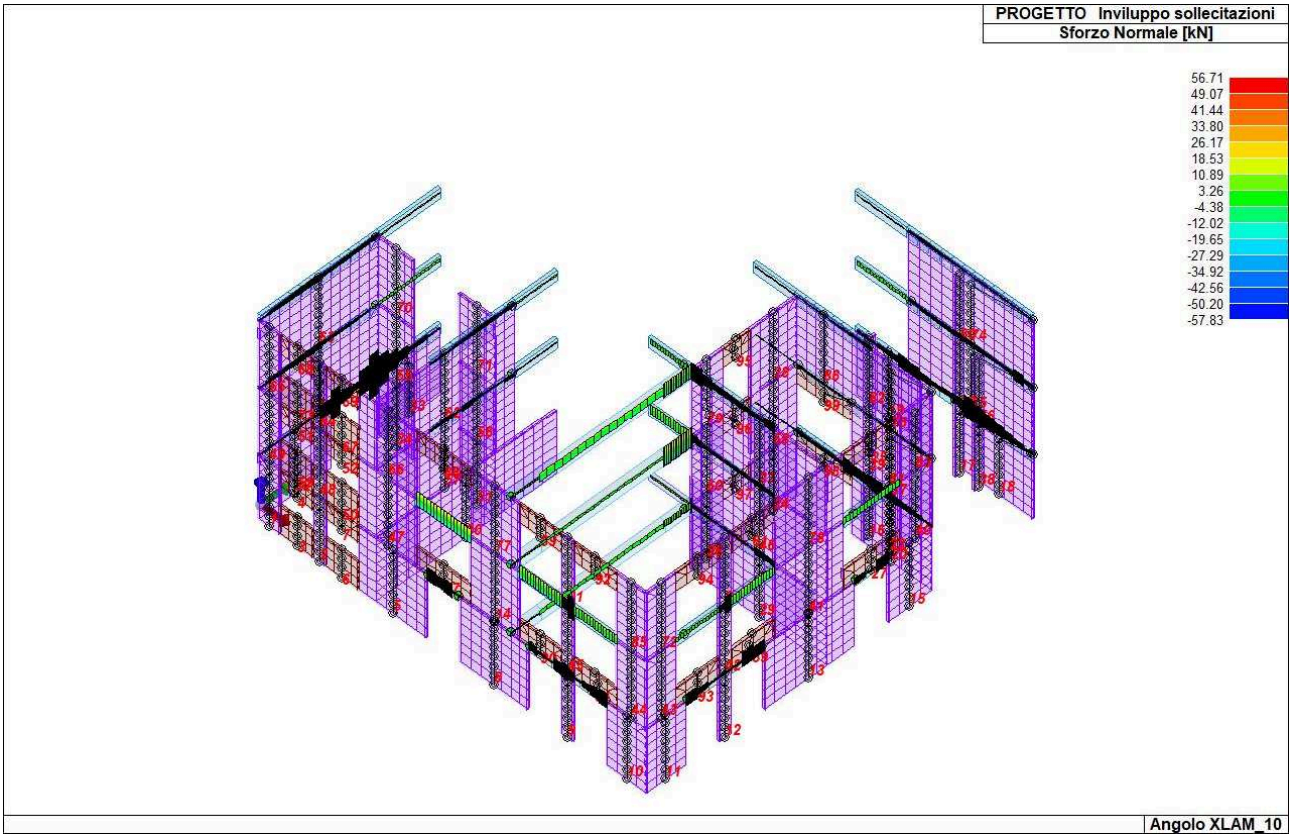


Figura 28: Inviluppo sforzo normale

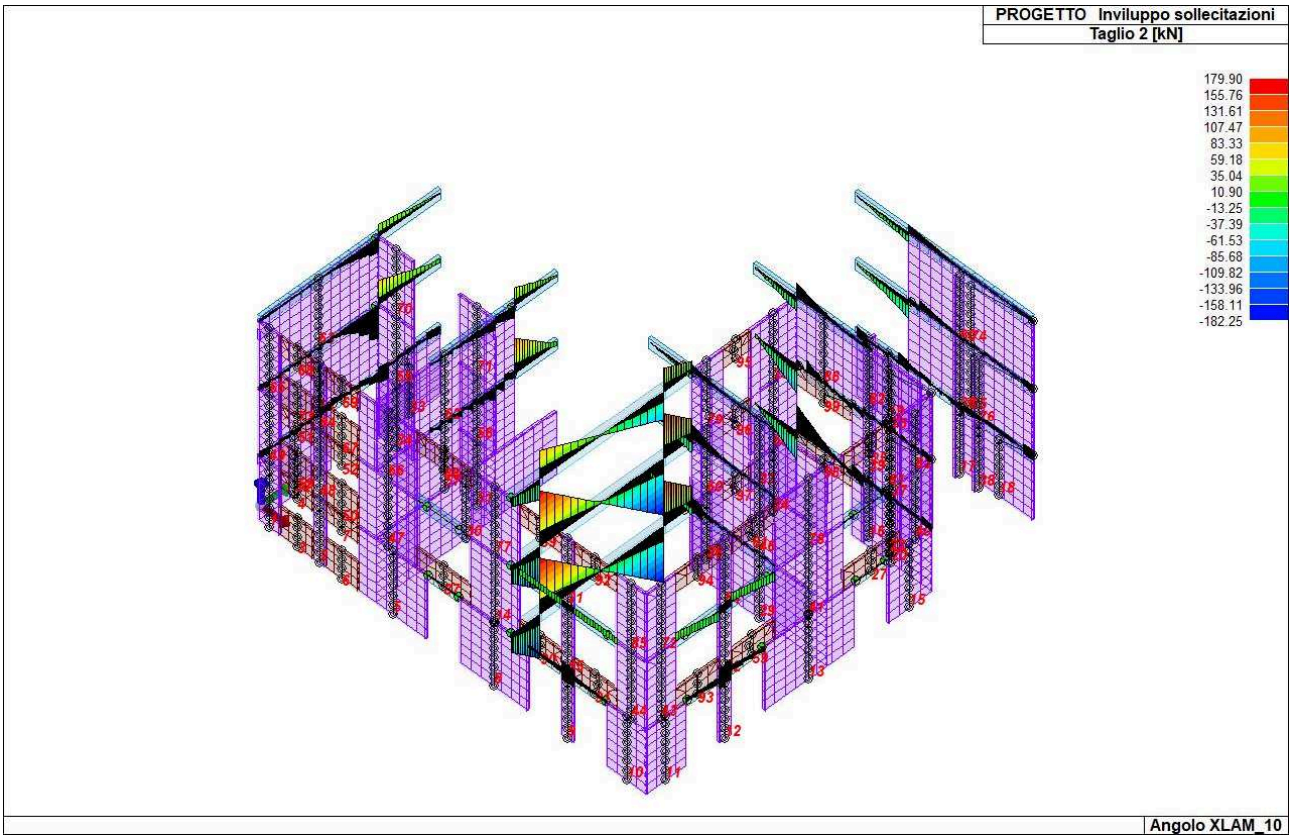


Figura 29: Inviluppo sforzo di taglio

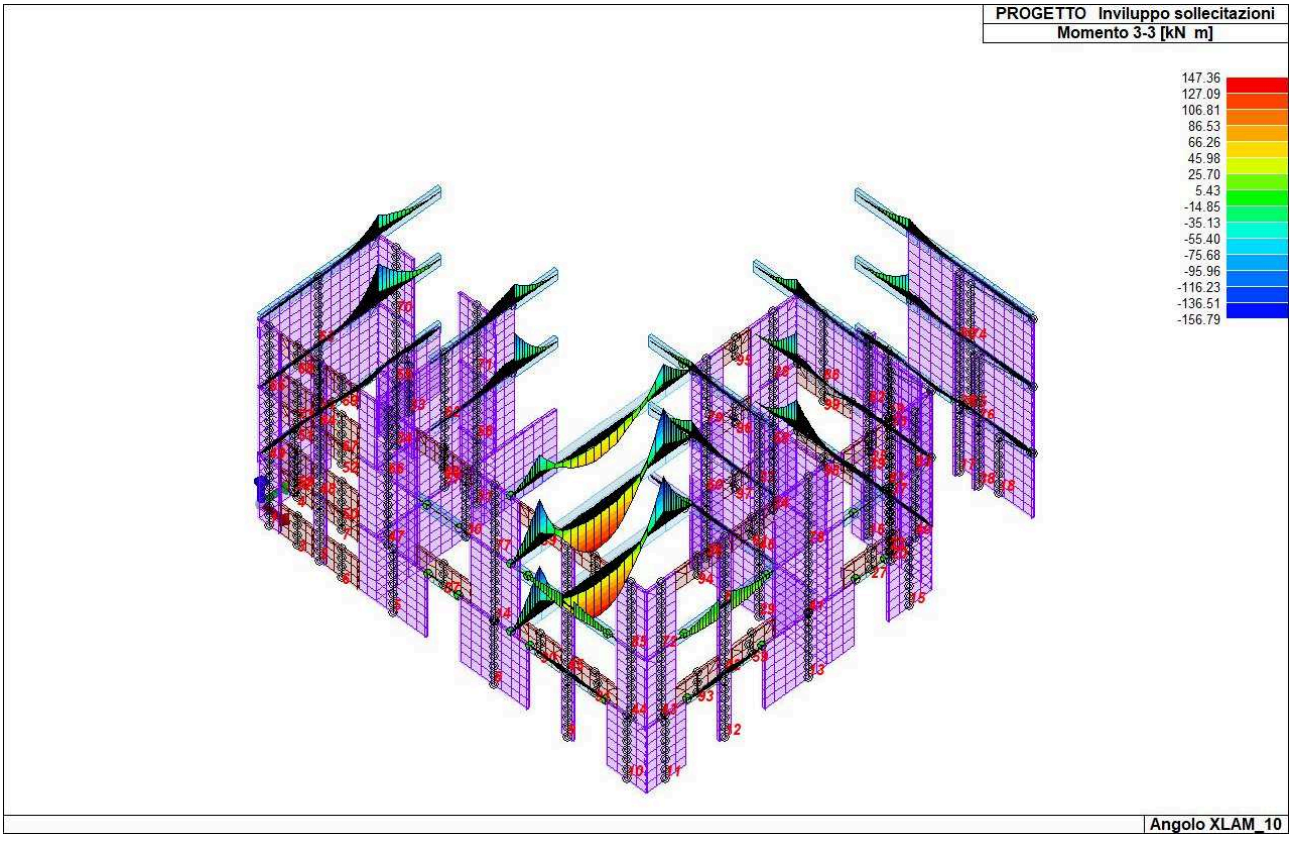


Figura 30: Inviluppo momento flettente

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
1	28	0.0	0.0	0.0	0.0	0.0	-849.64	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-829.79	0.0	0.0	0.0	0.0	0.0
1	69	0.0	0.0	0.0	0.0	0.0	-283.15	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-267.87	0.0	0.0	0.0	0.0	0.0
1	125	0.0	0.0	0.0	0.0	0.0	-438.11	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-422.83	0.0	0.0	0.0	0.0	0.0
1	128	0.0	0.0	0.0	0.0	0.0	-486.18	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-470.90	0.0	0.0	0.0	0.0	0.0
1	157	0.0	0.0	0.0	0.0	0.0	-435.08	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-419.81	0.0	0.0	0.0	0.0	0.0
1	160	0.0	0.0	0.0	0.0	0.0	-489.20	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-473.93	0.0	0.0	0.0	0.0	0.0
1	189	0.0	0.0	0.0	0.0	0.0	-435.24	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-419.97	0.0	0.0	0.0	0.0	0.0
1	192	0.0	0.0	0.0	0.0	0.0	-489.04	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-473.77	0.0	0.0	0.0	0.0	0.0
1	221	0.0	0.0	0.0	0.0	0.0	-430.69	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-415.42	0.0	0.0	0.0	0.0	0.0
1	224	0.0	0.0	0.0	0.0	0.0	-493.59	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-478.32	0.0	0.0	0.0	0.0	0.0
1	256	0.0	0.0	0.0	0.0	0.0	-592.88	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-577.61	0.0	0.0	0.0	0.0	0.0
1	273	0.0	0.0	0.0	0.0	0.0	-305.39	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-290.11	0.0	0.0	0.0	0.0	0.0
1	298	0.0	0.0	0.0	0.0	0.0	-488.07	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-472.79	0.0	0.0	0.0	0.0	0.0
1	306	0.0	0.0	0.0	0.0	0.0	-306.36	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-291.08	0.0	0.0	0.0	0.0	0.0
1	309	0.0	0.0	0.0	0.0	0.0	-306.60	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-291.32	0.0	0.0	0.0	0.0	0.0
1	310	0.0	0.0	0.0	0.0	0.0	-462.14	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-446.87	0.0	0.0	0.0	0.0	0.0
2	4	0.0	0.0	0.0	0.0	0.0	-817.22	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-797.36	0.0	0.0	0.0	0.0	0.0
2	45	0.0	0.0	0.0	0.0	0.0	-272.91	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-257.64	0.0	0.0	0.0	0.0	0.0
2	113	0.0	0.0	0.0	0.0	0.0	-465.16	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-449.89	0.0	0.0	0.0	0.0	0.0
2	116	0.0	0.0	0.0	0.0	0.0	-425.91	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-410.63	0.0	0.0	0.0	0.0	0.0
2	145	0.0	0.0	0.0	0.0	0.0	-467.63	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-452.35	0.0	0.0	0.0	0.0	0.0
2	148	0.0	0.0	0.0	0.0	0.0	-423.44	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-408.17	0.0	0.0	0.0	0.0	0.0
2	177	0.0	0.0	0.0	0.0	0.0	-467.58	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-452.31	0.0	0.0	0.0	0.0	0.0
2	180	0.0	0.0	0.0	0.0	0.0	-423.49	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-408.21	0.0	0.0	0.0	0.0	0.0
2	209	0.0	0.0	0.0	0.0	0.0	-471.48	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-456.20	0.0	0.0	0.0	0.0	0.0
2	212	0.0	0.0	0.0	0.0	0.0	-419.59	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-404.31	0.0	0.0	0.0	0.0	0.0
2	244	0.0	0.0	0.0	0.0	0.0	-570.40	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-555.12	0.0	0.0	0.0	0.0	0.0
2	261	0.0	0.0	0.0	0.0	0.0	-294.27	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-279.00	0.0	0.0	0.0	0.0	0.0
2	298	0.0	0.0	0.0	0.0	0.0	-470.54	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-455.26	0.0	0.0	0.0	0.0	0.0
2	304	0.0	0.0	0.0	0.0	0.0	-295.28	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-280.00	0.0	0.0	0.0	0.0	0.0
2	309	0.0	0.0	0.0	0.0	0.0	-295.53	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-280.25	0.0	0.0	0.0	0.0	0.0
2	310	0.0	0.0	0.0	0.0	0.0	-445.53	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-430.26	0.0	0.0	0.0	0.0	0.0
3	28	0.0	0.0	0.0	0.0	0.0	-502.93	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-481.90	0.0	0.0	0.0	0.0	0.0
3	69	0.0	0.0	0.0	0.0	0.0	-181.44	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-165.27	0.0	0.0	0.0	0.0	0.0
3	125	0.0	0.0	0.0	0.0	0.0	-257.57	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-241.40	0.0	0.0	0.0	0.0	0.0
3	128	0.0	0.0	0.0	0.0	0.0	-290.07	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-273.90	0.0	0.0	0.0	0.0	0.0
3	157	0.0	0.0	0.0	0.0	0.0	-255.53	0.0	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	360.0	-239.35	0.0	0.0	0.0	0.0	0.0
3	160	0.0	0.0	0.0	0.0	0.0	-292.12	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-275.94	0.0	0.0	0.0	0.0	0.0
3	189	0.0	0.0	0.0	0.0	0.0	-255.65	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-239.48	0.0	0.0	0.0	0.0	0.0
3	192	0.0	0.0	0.0	0.0	0.0	-291.99	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-275.82	0.0	0.0	0.0	0.0	0.0
3	217	0.0	0.0	0.0	0.0	0.0	-252.53	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-236.35	0.0	0.0	0.0	0.0	0.0
3	220	0.0	0.0	0.0	0.0	0.0	-295.12	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-278.94	0.0	0.0	0.0	0.0	0.0
3	256	0.0	0.0	0.0	0.0	0.0	-352.67	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-336.50	0.0	0.0	0.0	0.0	0.0
3	273	0.0	0.0	0.0	0.0	0.0	-194.86	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-178.69	0.0	0.0	0.0	0.0	0.0
3	298	0.0	0.0	0.0	0.0	0.0	-286.86	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-270.68	0.0	0.0	0.0	0.0	0.0
3	306	0.0	0.0	0.0	0.0	0.0	-195.47	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-179.30	0.0	0.0	0.0	0.0	0.0
3	309	0.0	0.0	0.0	0.0	0.0	-195.62	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-179.45	0.0	0.0	0.0	0.0	0.0
3	310	0.0	0.0	0.0	0.0	0.0	-273.82	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-257.65	0.0	0.0	0.0	0.0	0.0
4	4	0.0	0.0	0.0	0.0	0.0	-476.35	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-455.32	0.0	0.0	0.0	0.0	0.0
4	45	0.0	0.0	0.0	0.0	0.0	-172.76	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-156.59	0.0	0.0	0.0	0.0	0.0
4	113	0.0	0.0	0.0	0.0	0.0	-274.47	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-258.30	0.0	0.0	0.0	0.0	0.0
4	116	0.0	0.0	0.0	0.0	0.0	-245.86	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-229.68	0.0	0.0	0.0	0.0	0.0
4	145	0.0	0.0	0.0	0.0	0.0	-276.27	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-260.09	0.0	0.0	0.0	0.0	0.0
4	148	0.0	0.0	0.0	0.0	0.0	-244.06	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-227.89	0.0	0.0	0.0	0.0	0.0
4	177	0.0	0.0	0.0	0.0	0.0	-276.22	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-260.04	0.0	0.0	0.0	0.0	0.0
4	180	0.0	0.0	0.0	0.0	0.0	-244.11	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-227.94	0.0	0.0	0.0	0.0	0.0
4	209	0.0	0.0	0.0	0.0	0.0	-279.05	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-262.87	0.0	0.0	0.0	0.0	0.0
4	212	0.0	0.0	0.0	0.0	0.0	-241.29	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-225.11	0.0	0.0	0.0	0.0	0.0
4	244	0.0	0.0	0.0	0.0	0.0	-334.23	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-318.05	0.0	0.0	0.0	0.0	0.0
4	261	0.0	0.0	0.0	0.0	0.0	-185.50	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-169.32	0.0	0.0	0.0	0.0	0.0
4	298	0.0	0.0	0.0	0.0	0.0	-272.46	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-256.29	0.0	0.0	0.0	0.0	0.0
4	304	0.0	0.0	0.0	0.0	0.0	-186.22	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-170.05	0.0	0.0	0.0	0.0	0.0
4	309	0.0	0.0	0.0	0.0	0.0	-186.40	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-170.23	0.0	0.0	0.0	0.0	0.0
4	310	0.0	0.0	0.0	0.0	0.0	-260.17	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-243.99	0.0	0.0	0.0	0.0	0.0
5	35	0.0	0.0	0.0	0.0	0.0	-190.68	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-169.65	0.0	0.0	0.0	0.0	0.0
5	69	0.0	0.0	0.0	0.0	0.0	-77.87	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-61.69	0.0	0.0	0.0	0.0	0.0
5	125	0.0	0.0	0.0	0.0	0.0	-75.73	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-59.56	0.0	0.0	0.0	0.0	0.0
5	128	0.0	0.0	0.0	0.0	0.0	-90.17	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-74.00	0.0	0.0	0.0	0.0	0.0
5	157	0.0	0.0	0.0	0.0	0.0	-74.82	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-58.65	0.0	0.0	0.0	0.0	0.0
5	160	0.0	0.0	0.0	0.0	0.0	-91.08	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-74.91	0.0	0.0	0.0	0.0	0.0
5	185	0.0	0.0	0.0	0.0	0.0	-74.87	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-58.70	0.0	0.0	0.0	0.0	0.0
5	188	0.0	0.0	0.0	0.0	0.0	-91.03	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-74.86	0.0	0.0	0.0	0.0	0.0
5	217	0.0	0.0	0.0	0.0	0.0	-73.48	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-57.31	0.0	0.0	0.0	0.0	0.0
5	220	0.0	0.0	0.0	0.0	0.0	-92.42	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-76.25	0.0	0.0	0.0	0.0	0.0

5	259	0.0	0.0	0.0	0.0	0.0	-135.24	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-119.06	0.0	0.0	0.0	0.0	0.0
5	273	0.0	0.0	0.0	0.0	0.0	-82.39	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-66.21	0.0	0.0	0.0	0.0	0.0
5	301	0.0	0.0	0.0	0.0	0.0	-93.34	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-77.17	0.0	0.0	0.0	0.0	0.0
5	306	0.0	0.0	0.0	0.0	0.0	-82.64	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-66.47	0.0	0.0	0.0	0.0	0.0
5	309	0.0	0.0	0.0	0.0	0.0	-82.70	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-66.53	0.0	0.0	0.0	0.0	0.0
5	310	0.0	0.0	0.0	0.0	0.0	-82.95	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-66.78	0.0	0.0	0.0	0.0	0.0
6	9	0.0	0.0	0.0	0.0	0.0	-180.53	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-159.51	0.0	0.0	0.0	0.0	0.0
6	31	0.0	0.0	0.0	0.0	0.0	-69.96	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-53.78	0.0	0.0	0.0	0.0	0.0
6	113	0.0	0.0	0.0	0.0	0.0	-83.04	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-66.86	0.0	0.0	0.0	0.0	0.0
6	116	0.0	0.0	0.0	0.0	0.0	-70.04	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-53.87	0.0	0.0	0.0	0.0	0.0
6	145	0.0	0.0	0.0	0.0	0.0	-83.85	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-67.67	0.0	0.0	0.0	0.0	0.0
6	148	0.0	0.0	0.0	0.0	0.0	-69.23	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-53.06	0.0	0.0	0.0	0.0	0.0
6	177	0.0	0.0	0.0	0.0	0.0	-83.82	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-67.65	0.0	0.0	0.0	0.0	0.0
6	180	0.0	0.0	0.0	0.0	0.0	-69.26	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-53.08	0.0	0.0	0.0	0.0	0.0
6	209	0.0	0.0	0.0	0.0	0.0	-85.10	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-68.93	0.0	0.0	0.0	0.0	0.0
6	212	0.0	0.0	0.0	0.0	0.0	-67.98	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-51.80	0.0	0.0	0.0	0.0	0.0
6	245	0.0	0.0	0.0	0.0	0.0	-128.10	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-111.92	0.0	0.0	0.0	0.0	0.0
6	255	0.0	0.0	0.0	0.0	0.0	-75.31	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-59.13	0.0	0.0	0.0	0.0	0.0
6	298	0.0	0.0	0.0	0.0	0.0	-76.29	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-60.12	0.0	0.0	0.0	0.0	0.0
6	299	0.0	0.0	0.0	0.0	0.0	-88.02	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-71.84	0.0	0.0	0.0	0.0	0.0
6	309	0.0	0.0	0.0	0.0	0.0	-78.02	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-61.85	0.0	0.0	0.0	0.0	0.0
6	310	0.0	0.0	0.0	0.0	0.0	-76.54	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	360.0	-60.37	0.0	0.0	0.0	0.0	0.0
7	28	0.0	0.0	0.0	0.0	0.0	-20.91	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-19.04	0.0	0.0	0.0	0.0	0.0
7	69	0.0	0.0	0.0	0.0	0.0	-6.32	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-4.88	0.0	0.0	0.0	0.0	0.0
7	125	0.0	0.0	0.0	0.0	0.0	-9.36	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-7.92	0.0	0.0	0.0	0.0	0.0
7	128	0.0	0.0	0.0	0.0	0.0	-13.56	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-12.12	0.0	0.0	0.0	0.0	0.0
7	157	0.0	0.0	0.0	0.0	0.0	-9.10	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-7.66	0.0	0.0	0.0	0.0	0.0
7	160	0.0	0.0	0.0	0.0	0.0	-13.82	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-12.38	0.0	0.0	0.0	0.0	0.0
7	189	0.0	0.0	0.0	0.0	0.0	-9.11	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-7.67	0.0	0.0	0.0	0.0	0.0
7	192	0.0	0.0	0.0	0.0	0.0	-13.81	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-12.37	0.0	0.0	0.0	0.0	0.0
7	221	0.0	0.0	0.0	0.0	0.0	-8.72	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-7.28	0.0	0.0	0.0	0.0	0.0
7	224	0.0	0.0	0.0	0.0	0.0	-14.21	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-12.77	0.0	0.0	0.0	0.0	0.0
7	256	0.0	0.0	0.0	0.0	0.0	-14.54	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-13.10	0.0	0.0	0.0	0.0	0.0
7	273	0.0	0.0	0.0	0.0	0.0	-6.87	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-5.43	0.0	0.0	0.0	0.0	0.0
7	298	0.0	0.0	0.0	0.0	0.0	-12.21	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-10.77	0.0	0.0	0.0	0.0	0.0
7	306	0.0	0.0	0.0	0.0	0.0	-6.95	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-5.51	0.0	0.0	0.0	0.0	0.0
7	309	0.0	0.0	0.0	0.0	0.0	-6.97	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	340.0	-5.53	0.0	0.0	0.0	0.0	0.0
7	310	0.0	0.0	0.0	0.0	0.0	-11.46	0.0	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	340.0	-10.02	0.0	0.0	0.0	0.0	0.0

Pilas.	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	0.0	0.0	0.0	0.0	-849.64	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-4.88	0.0	0.0	0.0

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
8	19	2.60	6.76e-03	-1.15e-04	-4.96	0.0	-1.49	8.84	-0.01	0.0	6.76e-03	-0.62
		-0.62	7.73e-04	2.72e-06	0.0	50.6	-1.49	3.88	-0.01	0.0	7.73e-04	2.60
8	28	6.35	0.03	-3.18e-04	-15.24	0.0	-6.00	24.82	-0.05	0.0	0.03	-2.36
		-2.36	6.57e-03	-2.78e-06	0.0	50.6	-6.00	9.58	-0.05	0.0	6.57e-03	6.35
8	52	6.53	0.03	-3.15e-04	-15.24	0.0	-3.92	24.36	-0.05	0.0	0.03	-1.94
		-1.94	5.99e-03	0.0	0.0	50.6	-3.92	9.13	-0.05	0.0	5.99e-03	6.53
8	69	2.85	0.01	-1.21e-04	-4.96	0.0	0.55	8.74	-0.02	0.0	0.01	-0.32
		-0.32	2.41e-03	0.0	0.0	50.6	0.55	3.78	-0.02	0.0	2.41e-03	2.85
8	76	6.29	0.03	-3.13e-04	-15.24	0.0	-6.18	24.65	-0.04	0.0	0.03	-2.33
		-2.33	5.30e-03	0.0	0.0	50.6	-6.18	9.42	-0.04	0.0	5.30e-03	6.29
8	113	3.22	1.96	-1.06e-04	-8.54	0.0	10.45	11.00	-4.87	0.0	1.96	0.34
		0.34	-0.46	1.13e-04	0.0	50.6	10.45	2.46	-4.87	0.0	-0.46	3.22
8	116	4.19	0.46	-2.48e-04	-8.54	0.0	-16.40	16.89	4.82	0.0	-1.93	-2.72
		-2.72	-1.93	-1.13e-04	0.0	50.6	-16.40	8.35	4.82	0.0	0.46	4.19
8	137	4.89	0.80	-1.45e-04	-8.54	0.0	25.06	9.49	-1.97	0.0	0.80	2.40
		2.40	-0.09	3.54e-05	0.0	50.6	25.06	0.95	-1.97	0.0	-0.09	4.89
8	139	5.35	0.21	-1.86e-04	-8.54	0.0	19.71	10.79	0.80	0.0	-0.31	1.87
		1.87	-0.31	-3.81e-05	0.0	50.6	19.71	2.25	0.80	0.0	0.21	5.35
8	140	2.52	0.09	-2.10e-04	-8.54	0.0	-31.01	18.40	1.92	0.0	-0.77	-4.78
		-4.78	-0.77	-3.49e-05	0.0	50.6	-31.01	9.86	1.92	0.0	0.09	2.52
8	144	2.25	0.06	-2.12e-04	-8.54	0.0	-29.87	18.82	1.70	0.0	-0.69	-5.05
		-5.05	-0.69	-4.72e-05	0.0	50.6	-29.87	10.28	1.70	0.0	0.06	2.25
8	145	3.16	2.19	-9.73e-05	-8.54	0.0	12.11	10.62	-5.45	0.0	2.19	0.54
		0.54	-0.51	1.27e-04	0.0	50.6	12.11	2.09	-5.45	0.0	-0.51	3.16
8	148	4.25	0.52	-2.57e-04	-8.54	0.0	-18.06	17.26	5.40	0.0	-2.16	-2.92
		-2.92	-2.16	-1.26e-04	0.0	50.6	-18.06	8.72	5.40	0.0	0.52	4.25
8	169	5.05	0.89	-1.40e-04	-8.54	0.0	28.71	8.91	-2.20	0.0	0.89	2.87
		2.87	-0.10	3.95e-05	0.0	50.6	28.71	0.37	-2.20	0.0	-0.10	5.05
8	171	5.56	0.23	-1.86e-04	-8.54	0.0	22.71	10.37	0.89	0.0	-0.35	2.27
		2.27	-0.35	-4.29e-05	0.0	50.6	22.71	1.83	0.89	0.0	0.23	5.56
8	172	2.36	0.10	-2.14e-04	-8.54	0.0	-34.66	18.98	2.16	0.0	-0.86	-5.24
		-5.24	-0.86	-3.90e-05	0.0	50.6	-34.66	10.44	2.16	0.0	0.10	2.36
8	176	2.06	0.07	-2.17e-04	-8.54	0.0	-33.38	19.45	1.91	0.0	-0.77	-5.55
		-5.55	-0.77	-5.29e-05	0.0	50.6	-33.38	10.92	1.91	0.0	0.07	2.06
8	177	3.19	2.10	-9.82e-05	-8.54	0.0	11.92	10.63	-5.23	0.0	2.10	0.55
		0.55	-0.49	1.21e-04	0.0	50.6	11.92	2.09	-5.23	0.0	-0.49	3.19
8	180	4.22	0.50	-2.56e-04	-8.54	0.0	-17.87	17.25	5.18	0.0	-2.07	-2.93
		-2.93	-2.07	-1.21e-04	0.0	50.6	-17.87	8.72	5.18	0.0	0.50	4.22
8	201	5.09	0.86	-1.40e-04	-8.54	0.0	29.29	8.80	-2.13	0.0	0.86	2.95
		2.95	-0.09	3.73e-05	0.0	50.6	29.29	0.27	-2.13	0.0	-0.09	5.09
8	203	5.58	0.22	-1.85e-04	-8.54	0.0	23.48	10.25	0.83	0.0	-0.32	2.37
		2.37	-0.32	-4.25e-05	0.0	50.6	23.48	1.71	0.83	0.0	0.22	5.58
8	204	2.32	0.10	-2.14e-04	-8.54	0.0	-35.24	19.08	2.08	0.0	-0.83	-5.33
		-5.33	-0.83	-3.68e-05	0.0	50.6	-35.24	10.54	2.08	0.0	0.10	2.32
8	208	2.03	0.06	-2.17e-04	-8.54	0.0	-34.03	19.54	1.84	0.0	-0.74	-5.64
		-5.64	-0.74	-5.07e-05	0.0	50.6	-34.03	11.01	1.84	0.0	0.06	2.03
8	209	3.12	2.44	-8.48e-05	-8.54	0.0	14.55	10.02	-6.09	0.0	2.44	0.88
		0.88	-0.57	1.40e-04	0.0	50.6	14.55	1.49	-6.09	0.0	-0.57	3.12
8	212	4.29	0.58	-2.69e-04	-8.54	0.0	-20.50	17.86	6.04	0.0	-2.41	-3.26
		-3.26	-2.41	-1.40e-04	0.0	50.6	-20.50	9.32	6.04	0.0	0.58	4.29
8	233	5.39	1.00	-1.33e-04	-8.54	0.0	35.29	7.84	-2.48	0.0	1.00	3.74
		3.74	-0.11	4.27e-05	0.0	50.6	35.29	-0.70	-2.48	0.0	-0.11	5.36
8	235	5.93	0.26	-1.86e-04	-8.54	0.0	28.54	9.54	0.96	0.0	-0.37	3.04
		3.04	-0.37	-5.00e-05	0.0	50.6	28.54	1.00	0.96	0.0	0.26	5.93
8	236	2.05	0.11	-2.21e-04	-8.54	0.0	-41.24	20.04	2.44	0.0	-0.97	-6.12
		-6.12	-0.97	-4.22e-05	0.0	50.6	-41.24	11.51	2.44	0.0	0.11	2.05
8	240	1.72	0.07	-2.24e-04	-8.54	0.0	-39.84	20.58	2.15	0.0	-0.87	-6.46
		-6.46	-0.87	-5.83e-05	0.0	50.6	-39.84	12.04	2.15	0.0	0.07	1.72
8	248	2.87	8.24e-03	-1.28e-04	-5.71	0.0	-1.79	9.97	-0.01	0.0	8.24e-03	-0.73
		-0.73	1.26e-03	1.89e-06	0.0	50.6	-1.79	4.26	-0.01	0.0	1.26e-03	2.87
8	256	4.42	0.02	-2.22e-04	-10.42	0.0	-4.18	17.19	-0.03	0.0	0.02	-1.64
		-1.64	4.49e-03	-1.86e-06	0.0	50.6	-4.18	6.78	-0.03	0.0	4.49e-03	4.42
8	268	4.55	0.02	-2.20e-04	-10.42	0.0	-2.80	16.89	-0.03	0.0	0.02	-1.36
		-1.36	4.11e-03	0.0	0.0	50.6	-2.80	6.47	-0.03	0.0	4.11e-03	4.55
8	273	3.04	0.01	-1.32e-04	-5.71	0.0	-0.44	9.90	-0.02	0.0	0.01	-0.52
		-0.52	2.35e-03	0.0	0.0	50.6	-0.44	4.19	-0.02	0.0	2.35e-03	3.04

8	280	4.39	0.02	-2.18e-04	-10.42	0.0	-4.30	17.08	-0.03	0.0	0.02	-1.62
		-1.62	3.64e-03	0.0	0.0	50.6	-4.30	6.66	-0.03	0.0	3.64e-03	4.39
8	298	3.85	0.02	-1.85e-04	-9.01	0.0	-3.12	14.58	-0.02	0.0	0.02	-1.25
		-1.25	3.14e-03	0.0	0.0	50.6	-3.12	5.57	-0.02	0.0	3.14e-03	3.85
8	302	2.86	9.13e-03	-1.30e-04	-5.71	0.0	-2.05	10.09	-0.01	0.0	9.13e-03	-0.80
		-0.80	1.72e-03	0.0	0.0	50.6	-2.05	4.37	-0.01	0.0	1.72e-03	2.86
8	306	2.90	9.71e-03	-1.31e-04	-5.71	0.0	-1.78	10.07	-0.01	0.0	9.71e-03	-0.75
		-0.75	1.94e-03	0.0	0.0	50.6	-1.78	4.36	-0.01	0.0	1.94e-03	2.90
8	309	2.86	9.36e-03	-1.31e-04	-5.71	0.0	-2.11	10.12	-0.01	0.0	9.36e-03	-0.81
		-0.81	1.84e-03	0.0	0.0	50.6	-2.11	4.40	-0.01	0.0	1.84e-03	2.86
8	310	3.71	0.02	-1.77e-04	-8.54	0.0	-2.98	13.94	-0.02	0.0	0.02	-1.19
		-1.19	2.95e-03	0.0	0.0	50.6	-2.98	5.41	-0.02	0.0	2.95e-03	3.71
9	15	0.0	9.14e-04	8.67e-05	-32.24	0.0	-0.29	59.89	-6.59e-03	0.0	9.14e-04	-63.46
		-63.46	-8.64e-03	3.49e-06	0.0	145.0	-0.29	27.64	-6.59e-03	0.0	-8.64e-03	0.0
9	20	0.0	1.00e-03	7.12e-05	-21.11	0.0	-0.25	39.14	-9.89e-03	0.0	1.00e-03	-41.45
		-41.45	-0.01	4.90e-06	0.0	145.0	-0.25	18.03	-9.89e-03	0.0	-0.01	0.0
9	28	0.0	0.04	1.91e-04	-79.22	0.0	-0.60	147.74	0.03	0.0	-5.01e-03	-156.79
		-156.79	-5.01e-03	-3.22e-05	0.0	145.0	-0.60	68.52	0.03	0.0	0.04	0.0
9	43	0.0	0.05	1.40e-04	-65.13	0.0	-0.50	121.87	0.04	0.0	-6.11e-03	-129.50
		-129.50	-6.11e-03	-3.74e-05	0.0	145.0	-0.50	56.74	0.04	0.0	0.05	0.0
9	68	0.0	0.04	1.95e-04	-65.13	0.0	-2.66	120.69	0.03	0.0	-5.19e-03	-127.78
		-127.78	-5.19e-03	-1.75e-05	0.0	145.0	-2.66	55.56	0.03	0.0	0.04	0.0
9	93	0.0	7.13e-04	3.88e-05	-21.11	0.0	0.86	39.73	-7.01e-03	0.0	7.13e-04	-42.30
		-42.30	-9.45e-03	-4.56e-06	0.0	145.0	0.86	18.62	-7.01e-03	0.0	-9.45e-03	0.0
9	113	0.0	0.04	5.41e-04	-41.99	0.0	1.29	72.15	-0.17	0.0	0.04	-74.18
		-74.18	-0.22	-1.12e-03	0.0	145.0	1.29	30.16	-0.17	0.0	-0.22	0.0
9	126	0.0	0.03	3.31e-04	-41.99	0.0	6.50	74.70	-0.27	0.0	0.03	-77.87
		-77.87	-0.36	6.40e-04	0.0	145.0	6.50	32.71	-0.27	0.0	-0.36	0.0
9	127	0.0	0.38	-1.67e-04	-41.99	0.0	-7.12	81.68	0.29	0.0	-0.03	-87.99
		-87.99	-0.03	-6.60e-04	0.0	145.0	-7.12	39.69	0.29	0.0	0.38	0.0
9	128	0.0	0.23	-4.36e-04	-41.99	0.0	2.97	84.64	0.17	0.0	-9.99e-03	-92.29
		-92.29	-9.99e-03	5.34e-04	0.0	145.0	2.97	42.65	0.17	0.0	0.23	0.0
9	138	0.0	0.05	-2.65e-04	-41.99	0.0	18.33	81.75	-0.26	0.0	0.05	-88.09
		-88.09	-0.32	1.90e-03	0.0	145.0	18.33	39.76	-0.26	0.0	-0.32	0.0
9	139	0.0	0.35	4.29e-04	-41.99	0.0	-18.95	74.63	0.28	0.0	-0.06	-77.77
		-77.77	-0.06	-1.91e-03	0.0	145.0	-18.95	32.64	0.28	0.0	0.35	0.0
9	145	0.0	0.04	6.00e-04	-41.99	0.0	1.44	71.38	-0.20	0.0	0.04	-73.06
		-73.06	-0.24	-1.26e-03	0.0	145.0	1.44	29.39	-0.20	0.0	-0.24	0.0
9	158	0.0	0.04	3.61e-04	-41.99	0.0	7.38	74.28	-0.30	0.0	0.04	-77.26
		-77.26	-0.41	7.22e-04	0.0	145.0	7.38	32.29	-0.30	0.0	-0.41	0.0
9	159	0.0	0.43	-1.97e-04	-41.99	0.0	-8.00	82.10	0.32	0.0	-0.04	-88.60
		-88.60	-0.04	-7.42e-04	0.0	145.0	-8.00	40.11	0.32	0.0	0.43	0.0
9	170	0.0	0.06	-3.11e-04	-41.99	0.0	20.76	82.23	-0.29	0.0	0.06	-88.79
		-88.79	-0.37	2.14e-03	0.0	145.0	20.76	40.24	-0.29	0.0	-0.37	0.0
9	171	0.0	0.39	4.75e-04	-41.99	0.0	-21.39	74.15	0.31	0.0	-0.06	-77.07
		-77.07	-0.06	-2.15e-03	0.0	145.0	-21.39	32.16	0.31	0.0	0.39	0.0
9	176	0.0	0.04	-5.54e-04	-41.99	0.0	18.10	85.46	-0.14	0.0	0.04	-93.47
		-93.47	-0.17	2.21e-03	0.0	145.0	18.10	43.47	-0.14	0.0	-0.17	0.0
9	190	0.0	0.04	3.50e-04	-41.99	0.0	7.48	74.42	-0.30	0.0	0.04	-77.46
		-77.46	-0.40	7.20e-04	0.0	145.0	7.48	32.43	-0.30	0.0	-0.40	0.0
9	191	0.0	0.42	-1.86e-04	-41.99	0.0	-8.10	81.96	0.32	0.0	-0.04	-88.40
		-88.40	-0.04	-7.39e-04	0.0	145.0	-8.10	39.97	0.32	0.0	0.42	0.0
9	193	0.0	0.14	6.80e-04	-41.99	0.0	-15.99	71.04	0.11	0.0	-0.03	-72.56
		-72.56	-0.03	-3.18e-03	0.0	145.0	-15.99	29.05	0.11	0.0	0.14	0.0
9	202	0.0	0.06	-3.26e-04	-41.99	0.0	21.22	82.40	-0.30	0.0	0.06	-89.04
		-89.04	-0.37	2.13e-03	0.0	145.0	21.22	40.41	-0.30	0.0	-0.37	0.0
9	203	0.0	0.39	4.90e-04	-41.99	0.0	-21.84	73.98	0.31	0.0	-0.06	-76.82
		-76.82	-0.06	-2.15e-03	0.0	145.0	-21.84	31.99	0.31	0.0	0.39	0.0
9	208	0.0	0.04	-5.66e-04	-41.99	0.0	18.60	85.60	-0.15	0.0	0.04	-93.67
		-93.67	-0.18	2.21e-03	0.0	145.0	18.60	43.61	-0.15	0.0	-0.18	0.0
9	222	0.0	0.04	3.89e-04	-41.99	0.0	8.90	73.85	-0.35	0.0	0.04	-76.65
		-76.65	-0.47	8.45e-04	0.0	145.0	8.90	31.86	-0.35	0.0	-0.47	0.0
9	223	0.0	0.49	-2.25e-04	-41.99	0.0	-9.52	82.52	0.37	0.0	-0.04	-89.21
		-89.21	-0.04	-8.65e-04	0.0	145.0	-9.52	40.53	0.37	0.0	0.49	0.0
9	225	0.0	0.17	8.00e-04	-41.99	0.0	-19.26	69.61	0.14	0.0	-0.03	-70.49
		-70.49	-0.03	-3.73e-03	0.0	145.0	-19.26	27.62	0.14	0.0	0.17	0.0
9	234	0.0	0.07	-4.06e-04	-41.99	0.0	25.26	83.23	-0.35	0.0	0.07	-90.24
		-90.24	-0.44	2.50e-03	0.0	145.0	25.26	41.24	-0.35	0.0	-0.44	0.0
9	235	0.0	0.46	5.70e-04	-41.99	0.0	-25.88	73.14	0.37	0.0	-0.07	-75.62
		-75.62	-0.07	-2.52e-03	0.0	145.0	-25.88	31.16	0.37	0.0	0.46	0.0
9	240	0.0	0.05	-6.87e-04	-41.99	0.0	22.20	86.97	-0.18	0.0	0.05	-95.66
		-95.66	-0.22	2.59e-03	0.0	145.0	22.20	44.98	-0.18	0.0	-0.22	0.0
9	248	0.0	5.49e-04	6.07e-05	-23.20	0.0	-0.22	43.12	-4.18e-03	0.0	5.49e-04	-45.71
		-45.71	-5.51e-03	1.77e-06	0.0	145.0	-0.22	19.92	-4.18e-03	0.0	-5.51e-03	0.0
9	249	0.0	3.17e-04	6.52e-05	-23.20	0.0	-0.26	43.12	-5.17e-03	0.0	3.17e-04	-45.71

		-45.71	-7.18e-03	1.10e-06	0.0	145.0	-0.26	19.93	-5.17e-03	0.0	-7.18e-03	0.0
9	256	0.0	0.03	1.30e-04	-54.52	0.0	-0.42	101.69	0.02	0.0	-3.40e-03	-107.92
		-107.92	-3.40e-03	-2.20e-05	0.0	145.0	-0.42	47.17	0.02	0.0	0.03	0.0
9	263	0.0	0.03	9.64e-05	-45.12	0.0	-0.35	84.44	0.02	0.0	-4.13e-03	-89.73
		-89.73	-4.13e-03	-2.55e-05	0.0	145.0	-0.35	39.32	0.02	0.0	0.03	0.0
9	276	0.0	0.03	1.31e-04	-45.12	0.0	-1.80	83.65	0.02	0.0	-3.52e-03	-88.59
		-88.59	-3.52e-03	-1.22e-05	0.0	145.0	-1.80	38.53	0.02	0.0	0.03	0.0
9	285	0.0	1.26e-04	4.74e-05	-23.20	0.0	0.49	43.52	-3.25e-03	0.0	1.26e-04	-46.28
		-46.28	-4.59e-03	-5.21e-06	0.0	145.0	0.49	20.32	-3.25e-03	0.0	-4.59e-03	0.0
9	298	0.0	0.01	1.10e-04	-45.12	0.0	-0.32	84.00	9.18e-03	0.0	-1.28e-03	-89.08
		-89.08	-1.28e-03	-1.03e-05	0.0	145.0	-0.32	38.87	9.18e-03	0.0	0.01	0.0
9	302	0.0	2.27e-03	5.47e-05	-23.20	0.0	-0.23	43.30	1.98e-03	0.0	-5.92e-04	-45.97
		-45.97	-5.92e-04	-4.31e-06	0.0	145.0	-0.23	20.10	1.98e-03	0.0	2.27e-03	0.0
9	305	0.0	0.01	9.94e-05	-41.99	0.0	-0.32	78.28	0.01	0.0	-1.79e-03	-83.06
		-83.06	-1.79e-03	-1.27e-05	0.0	145.0	-0.32	36.29	0.01	0.0	0.01	0.0
9	307	0.0	0.01	1.05e-04	-41.99	0.0	-0.60	78.12	0.01	0.0	-1.62e-03	-82.83
		-82.83	-1.62e-03	-9.91e-06	0.0	145.0	-0.60	36.13	0.01	0.0	0.01	0.0
9	308	0.0	2.46e-03	5.20e-05	-23.20	0.0	-0.09	43.38	2.16e-03	0.0	-6.77e-04	-46.08
		-46.08	-6.77e-04	-5.71e-06	0.0	145.0	-0.09	20.18	2.16e-03	0.0	2.46e-03	0.0
9	309	0.0	4.22e-03	5.33e-05	-23.20	0.0	-0.23	43.35	3.51e-03	0.0	-8.77e-04	-46.03
		-46.03	-8.77e-04	-5.83e-06	0.0	145.0	-0.23	20.15	3.51e-03	0.0	4.22e-03	0.0
9	310	0.0	0.01	1.02e-04	-41.99	0.0	-0.31	78.19	8.37e-03	0.0	-1.22e-03	-82.93
		-82.93	-1.22e-03	-9.66e-06	0.0	145.0	-0.31	36.20	8.37e-03	0.0	0.01	0.0
10	28	147.14	0.01	-0.01	-360.61	0.0	0.68	178.36	-2.61e-03	0.0	0.01	-143.93
		-156.79	-5.01e-03	-1.47e-04	0.0	660.0	0.68	-182.25	-2.61e-03	0.0	-5.01e-03	-156.79
10	44	121.00	0.02	-8.99e-03	-296.46	0.0	0.60	146.43	-3.38e-03	0.0	0.02	-117.65
		-129.51	-6.46e-03	-1.76e-04	0.0	660.0	0.60	-150.02	-3.38e-03	0.0	-6.46e-03	-129.51
10	52	147.36	8.86e-03	-0.01	-360.61	0.0	-0.23	178.60	-1.99e-03	0.0	8.86e-03	-144.53
		-155.75	-4.24e-03	-8.94e-05	0.0	660.0	-0.23	-182.00	-1.99e-03	0.0	-4.24e-03	-155.75
10	69	39.43	7.00e-03	-2.93e-03	-96.08	0.0	-1.26	47.64	-1.64e-03	0.0	7.00e-03	-38.50
		-41.18	-3.80e-03	-3.33e-05	0.0	660.0	-1.26	-48.45	-1.64e-03	0.0	-3.80e-03	-41.18
10	92	120.99	2.17e-03	-8.99e-03	-296.46	0.0	1.27	146.62	-4.31e-04	0.0	2.17e-03	-118.26
		-128.90	-6.74e-04	-6.70e-05	0.0	660.0	1.27	-149.84	-4.31e-04	0.0	-6.74e-04	-128.90
10	118	77.24	0.06	-5.73e-03	-191.12	0.0	-0.97	96.18	0.05	0.0	-0.27	-82.47
		-82.47	-0.27	-1.15e-03	0.0	660.0	-0.97	-94.95	0.05	0.0	0.06	-78.39
10	119	78.50	0.27	-5.84e-03	-191.12	0.0	1.65	93.05	-0.05	0.0	0.27	-70.89
		-87.47	-0.06	1.06e-03	0.0	660.0	1.65	-98.07	-0.05	0.0	-0.06	-87.47
10	128	76.70	0.15	-5.70e-03	-191.12	0.0	2.49	92.14	-0.02	0.0	0.15	-69.67
		-92.29	-9.99e-03	-1.46e-04	0.0	660.0	2.49	-98.99	-0.02	0.0	-9.99e-03	-92.29
10	137	79.94	-5.16e-03	-5.95e-03	-191.12	0.0	-2.23	96.76	-3.14e-03	0.0	-5.16e-03	-81.72
		-81.72	-0.03	-1.04e-03	0.0	660.0	-2.23	-94.36	-3.14e-03	0.0	-0.03	-73.76
10	140	75.81	0.02	-5.63e-03	-191.12	0.0	2.91	92.47	1.91e-03	0.0	0.01	-71.64
		-92.10	0.01	9.54e-04	0.0	660.0	2.91	-98.66	1.91e-03	0.0	0.02	-92.10
10	141	80.11	0.02	-5.96e-03	-191.12	0.0	-2.13	96.76	-7.98e-03	0.0	0.02	-81.54
		-81.54	-0.03	-5.71e-04	0.0	660.0	-2.13	-94.36	-7.98e-03	0.0	-0.03	-73.60
10	150	77.17	0.07	-5.72e-03	-191.12	0.0	-1.13	96.37	0.06	0.0	-0.30	-83.18
		-83.18	-0.30	-1.28e-03	0.0	660.0	-1.13	-94.76	0.06	0.0	0.07	-77.84
10	151	78.58	0.31	-5.85e-03	-191.12	0.0	1.81	92.86	-0.06	0.0	0.31	-70.18
		-88.02	-0.07	1.20e-03	0.0	660.0	1.81	-98.26	-0.06	0.0	-0.07	-88.02
10	169	80.21	-5.78e-03	-5.97e-03	-191.12	0.0	-2.56	97.04	-3.56e-03	0.0	-5.78e-03	-82.37
		-82.37	-0.03	-1.17e-03	0.0	660.0	-2.56	-94.08	-3.56e-03	0.0	-0.03	-72.56
10	172	75.53	0.03	-5.60e-03	-191.12	0.0	3.24	92.19	2.33e-03	0.0	0.01	-70.99
		-93.30	0.01	1.09e-03	0.0	660.0	3.24	-98.94	2.33e-03	0.0	0.03	-93.30
10	173	80.40	0.02	-5.98e-03	-191.12	0.0	-2.45	97.04	-8.97e-03	0.0	0.02	-82.17
		-82.17	-0.04	-6.43e-04	0.0	660.0	-2.45	-94.08	-8.97e-03	0.0	-0.04	-72.39
10	176	75.35	0.04	-5.59e-03	-191.12	0.0	3.12	92.19	7.75e-03	0.0	-0.02	-71.19
		-93.47	-0.02	5.55e-04	0.0	660.0	3.12	-98.93	7.75e-03	0.0	0.04	-93.47
10	182	77.17	0.06	-5.72e-03	-191.12	0.0	-1.07	96.33	0.05	0.0	-0.30	-83.06
		-83.06	-0.30	-1.27e-03	0.0	660.0	-1.07	-94.79	0.05	0.0	0.06	-77.95
10	183	78.57	0.30	-5.85e-03	-191.12	0.0	1.74	92.90	-0.06	0.0	0.30	-70.29
		-87.91	-0.07	1.18e-03	0.0	660.0	1.74	-98.23	-0.06	0.0	-0.07	-87.91
10	201	80.28	-3.73e-03	-5.97e-03	-191.12	0.0	-2.61	97.09	-4.09e-03	0.0	-3.73e-03	-82.45
		-82.45	-0.03	-1.21e-03	0.0	660.0	-2.61	-94.03	-4.09e-03	0.0	-0.03	-72.33
10	204	75.46	0.03	-5.60e-03	-191.12	0.0	3.28	92.14	2.86e-03	0.0	9.39e-03	-70.91
		-93.53	9.39e-03	1.12e-03	0.0	660.0	3.28	-98.98	2.86e-03	0.0	0.03	-93.53
10	205	80.46	0.02	-5.99e-03	-191.12	0.0	-2.49	97.08	-9.38e-03	0.0	0.02	-82.24
		-82.24	-0.04	-6.77e-04	0.0	660.0	-2.49	-94.04	-9.38e-03	0.0	-0.04	-72.19
10	208	75.28	0.04	-5.58e-03	-191.12	0.0	3.17	92.15	8.15e-03	0.0	-0.02	-71.11
		-93.67	-0.02	5.88e-04	0.0	660.0	3.17	-98.98	8.15e-03	0.0	0.04	-93.67
10	214	77.06	0.08	-5.71e-03	-191.12	0.0	-1.29	96.62	0.06	0.0	-0.35	-84.12
		-84.12	-0.35	-1.48e-03	0.0	660.0	-1.29	-94.51	0.06	0.0	0.08	-77.12
10	215	78.69	0.35	-5.86e-03	-191.12	0.0	1.96	92.61	-0.07	0.0	0.35	-69.24
		-88.74	-0.08	1.39e-03	0.0	660.0	1.96	-98.51	-0.07	0.0	-0.08	-88.74
10	233	80.75	-3.75e-03	-6.01e-03	-191.12	0.0	-3.15	97.55	-4.98e-03	0.0	-3.75e-03	-83.51
		-83.51	-0.04	-1.43e-03	0.0	660.0	-3.15	-93.57	-4.98e-03	0.0	-0.04	-70.34

10	236	74.99	0.04	-5.56e-03	-191.12	0.0	3.83	91.68	3.76e-03	0.0	9.41e-03	-69.84
		-95.52	9.41e-03	1.34e-03	0.0	660.0	3.83	-99.44	3.76e-03	0.0	0.04	-95.52
10	237	80.95	0.03	-6.03e-03	-191.12	0.0	-3.02	97.53	-0.01	0.0	0.03	-83.25
		-83.25	-0.05	-8.10e-04	0.0	660.0	-3.02	-93.59	-0.01	0.0	-0.05	-70.20
10	240	74.79	0.05	-5.55e-03	-191.12	0.0	3.69	91.69	9.94e-03	0.0	-0.02	-70.10
		-95.66	-0.02	7.21e-04	0.0	660.0	3.69	-99.43	9.94e-03	0.0	0.05	-95.66
10	256	101.24	8.26e-03	-7.52e-03	-248.15	0.0	0.47	122.73	-1.77e-03	0.0	8.26e-03	-99.05
		-107.92	-3.40e-03	-1.01e-04	0.0	660.0	0.47	-125.42	-1.77e-03	0.0	-3.40e-03	-107.92
10	264	83.81	0.01	-6.23e-03	-205.38	0.0	0.42	101.44	-2.28e-03	0.0	0.01	-81.52
		-89.74	-4.37e-03	-1.20e-04	0.0	660.0	0.42	-103.93	-2.28e-03	0.0	-4.37e-03	-89.74
10	268	101.38	6.03e-03	-7.53e-03	-248.15	0.0	-0.14	122.89	-1.35e-03	0.0	6.03e-03	-99.44
		-107.23	-2.89e-03	-6.21e-05	0.0	660.0	-0.14	-125.25	-1.35e-03	0.0	-2.89e-03	-107.23
10	273	43.25	5.39e-03	-3.22e-03	-105.59	0.0	-0.76	52.29	-1.25e-03	0.0	5.39e-03	-42.19
		-45.53	-2.88e-03	-3.20e-05	0.0	660.0	-0.76	-53.30	-1.25e-03	0.0	-2.88e-03	-45.53
10	288	83.80	1.56e-03	-6.23e-03	-205.38	0.0	0.86	101.57	-3.14e-04	0.0	1.56e-03	-81.93
		-89.34	-5.09e-04	-4.72e-05	0.0	660.0	0.86	-103.81	-3.14e-04	0.0	-5.09e-04	-89.34
10	298	83.67	3.00e-03	-6.22e-03	-205.38	0.0	0.36	101.69	-6.49e-04	0.0	3.00e-03	-82.45
		-89.08	-1.28e-03	-4.70e-05	0.0	660.0	0.36	-103.69	-6.49e-04	0.0	-1.28e-03	-89.08
10	305	77.86	4.29e-03	-5.78e-03	-191.12	0.0	0.35	94.58	-9.22e-04	0.0	4.29e-03	-76.58
		-83.06	-1.79e-03	-5.80e-05	0.0	660.0	0.35	-96.54	-9.22e-04	0.0	-1.79e-03	-83.06
10	306	43.11	2.52e-03	-3.20e-03	-105.59	0.0	0.01	52.21	-5.76e-04	0.0	2.52e-03	-42.06
		-45.93	-1.28e-03	-2.76e-05	0.0	660.0	0.01	-53.38	-5.76e-04	0.0	-1.28e-03	-45.93
10	309	43.08	1.80e-03	-3.20e-03	-105.59	0.0	0.20	52.19	-4.06e-04	0.0	1.80e-03	-42.02
		-46.03	-8.77e-04	-2.65e-05	0.0	660.0	0.20	-53.40	-4.06e-04	0.0	-8.77e-04	-46.03
10	310	77.87	2.83e-03	-5.79e-03	-191.12	0.0	0.34	94.61	-6.14e-04	0.0	2.83e-03	-76.68
		-82.93	-1.22e-03	-4.41e-05	0.0	660.0	0.34	-96.51	-6.14e-04	0.0	-1.22e-03	-82.93
11	3	-2.86	5.87e-03	-7.29e-04	-79.22	0.0	0.16	-58.59	-2.81e-03	0.0	5.87e-03	-2.86
		-145.26	1.81e-03	-1.10e-05	0.0	145.0	0.16	-137.82	-2.81e-03	0.0	1.81e-03	-145.26
11	36	-0.69	0.03	-3.31e-04	-21.11	0.0	0.06	-14.13	-0.01	0.0	0.03	-0.69
		-36.49	9.27e-03	-2.28e-05	0.0	145.0	0.06	-35.24	-0.01	0.0	9.27e-03	-36.49
11	44	-2.29	0.04	-6.97e-04	-65.13	0.0	0.16	-46.99	-0.02	0.0	0.04	-2.29
		-117.65	0.02	-4.14e-05	0.0	145.0	0.16	-112.12	-0.02	0.0	0.02	-117.65
11	69	-0.76	7.00e-03	-2.17e-04	-21.11	0.0	-1.24	-15.48	0.01	0.0	-0.01	-0.76
		-38.50	-0.01	-8.32e-06	0.0	145.0	-1.24	-36.59	0.01	0.0	7.00e-03	-38.50
11	70	-0.73	7.54e-03	-2.64e-04	-21.11	0.0	-1.24	-15.04	9.71e-03	0.0	-6.55e-03	-0.73
		-37.84	-6.55e-03	-9.38e-06	0.0	145.0	-1.24	-36.14	9.71e-03	0.0	7.54e-03	-37.84
11	91	-2.34	0.02	-6.19e-04	-65.13	0.0	0.78	-47.84	-0.01	0.0	0.02	-2.34
		-118.92	1.63e-03	-1.42e-05	0.0	145.0	0.78	-112.97	-0.01	0.0	1.63e-03	-118.92
11	113	-1.75	-0.23	5.86e-05	-41.99	0.0	-1.14	-36.09	0.15	0.0	-0.45	-1.75
		-84.52	-0.45	-3.73e-04	0.0	145.0	-1.14	-78.08	0.15	0.0	-0.23	-84.52
11	114	-1.68	-0.27	-1.04e-04	-41.99	0.0	-1.42	-34.57	0.07	0.0	-0.36	-1.68
		-82.24	-0.36	-1.32e-04	0.0	145.0	-1.42	-76.55	0.07	0.0	-0.27	-82.24
11	115	-1.34	0.37	-7.00e-04	-41.99	0.0	1.60	-27.13	-0.08	0.0	0.37	-1.34
		-71.12	0.27	1.11e-04	0.0	145.0	1.60	-69.12	-0.08	0.0	0.27	-71.12
11	116	-1.26	0.47	-7.76e-04	-41.99	0.0	1.33	-25.61	-0.16	0.0	0.47	-1.26
		-68.83	0.24	3.53e-04	0.0	145.0	1.33	-67.60	-0.16	0.0	0.24	-68.83
11	145	-1.78	-0.26	9.06e-05	-41.99	0.0	-1.29	-36.75	0.17	0.0	-0.51	-1.78
		-85.51	-0.51	-4.19e-04	0.0	145.0	-1.29	-78.74	0.17	0.0	-0.26	-85.51
11	146	-1.70	-0.30	-6.78e-05	-41.99	0.0	-1.60	-35.02	0.08	0.0	-0.40	-1.70
		-82.92	-0.40	-1.46e-04	0.0	145.0	-1.60	-77.01	0.08	0.0	-0.30	-82.92
11	147	-1.32	0.42	-7.36e-04	-41.99	0.0	1.78	-26.68	-0.09	0.0	0.42	-1.32
		-70.44	0.31	1.26e-04	0.0	145.0	1.78	-68.67	-0.09	0.0	0.31	-70.44
11	148	-1.23	0.53	-8.23e-04	-41.99	0.0	1.48	-24.95	-0.18	0.0	0.53	-1.23
		-67.85	0.26	3.99e-04	0.0	145.0	1.48	-66.94	-0.18	0.0	0.26	-67.85
11	177	-1.78	-0.25	8.79e-05	-41.99	0.0	-1.26	-36.72	0.17	0.0	-0.51	-1.78
		-85.47	-0.51	-4.24e-04	0.0	145.0	-1.26	-78.71	0.17	0.0	-0.25	-85.47
11	178	-1.69	-0.29	-7.46e-05	-41.99	0.0	-1.57	-34.93	0.08	0.0	-0.39	-1.69
		-82.78	-0.39	-1.40e-04	0.0	145.0	-1.57	-76.92	0.08	0.0	-0.29	-82.78
11	179	-1.32	0.41	-7.29e-04	-41.99	0.0	1.75	-26.77	-0.09	0.0	0.41	-1.32
		-70.58	0.30	1.20e-04	0.0	145.0	1.75	-68.76	-0.09	0.0	0.30	-70.58
11	180	-1.23	0.52	-8.19e-04	-41.99	0.0	1.44	-24.97	-0.18	0.0	0.52	-1.23
		-67.89	0.26	4.04e-04	0.0	145.0	1.44	-66.96	-0.18	0.0	0.26	-67.89
11	209	-1.83	-0.29	1.41e-04	-41.99	0.0	-1.48	-37.75	0.21	0.0	-0.60	-1.83
		-87.01	-0.60	-5.02e-04	0.0	145.0	-1.48	-79.74	0.21	0.0	-0.29	-87.01
11	210	-1.72	-0.34	6.12e-05	-41.99	0.0	-1.85	-35.59	0.09	0.0	-0.46	-1.72
		-83.77	-0.46	-1.58e-04	0.0	145.0	-1.85	-77.58	0.09	0.0	-0.34	-83.77
11	211	-1.29	0.47	-7.83e-04	-41.99	0.0	2.03	-26.11	-0.10	0.0	0.47	-1.29
		-69.59	0.35	1.38e-04	0.0	145.0	2.03	-68.10	-0.10	0.0	0.35	-69.59
11	212	-1.18	0.61	-8.90e-04	-41.99	0.0	1.66	-23.94	-0.21	0.0	0.61	-1.18
		-66.35	0.30	4.81e-04	0.0	145.0	1.66	-65.93	-0.21	0.0	0.30	-66.35
11	243	-1.97	4.22e-03	-5.03e-04	-54.52	0.0	0.11	-40.30	-2.00e-03	0.0	4.22e-03	-1.97
		-99.93	1.32e-03	-7.92e-06	0.0	145.0	0.11	-94.82	-2.00e-03	0.0	1.32e-03	-99.93
11	257	-0.78	0.02	-3.17e-04	-23.20	0.0	0.06	-16.03	-0.01	0.0	0.02	-0.78
		-40.85	6.90e-03	-1.75e-05	0.0	145.0	0.06	-39.23	-0.01	0.0	6.90e-03	-40.85
11	264	-1.59	0.03	-4.81e-04	-45.12	0.0	0.11	-32.56	-0.01	0.0	0.03	-1.59

		-81.52	0.01	-2.82e-05	0.0	145.0	0.11	-77.69	-0.01	0.0	0.01	-81.52
11	273	-0.83	5.39e-03	-2.41e-04	-23.20	0.0	-0.81	-16.93	7.00e-03	0.0	-4.75e-03	-0.83
		-42.19	-4.75e-03	-7.83e-06	0.0	145.0	-0.81	-40.12	7.00e-03	0.0	5.39e-03	-42.19
11	274	-0.81	5.75e-03	-2.72e-04	-23.20	0.0	-0.81	-16.63	5.31e-03	0.0	-1.94e-03	-0.81
		-41.75	-1.94e-03	-8.54e-06	0.0	145.0	-0.81	-39.83	5.31e-03	0.0	5.75e-03	-41.75
11	287	-1.62	0.01	-4.29e-04	-45.12	0.0	0.53	-33.13	-8.51e-03	0.0	0.01	-1.62
		-82.37	1.21e-03	-1.00e-05	0.0	145.0	0.53	-78.25	-8.51e-03	0.0	1.21e-03	-82.37
11	298	-1.62	8.26e-03	-4.29e-04	-45.12	0.0	0.10	-33.19	-3.63e-03	0.0	8.26e-03	-1.62
		-82.45	3.00e-03	-1.09e-05	0.0	145.0	0.10	-78.31	-3.63e-03	0.0	3.00e-03	-82.45
11	299	-0.81	6.95e-03	-2.54e-04	-23.20	0.0	0.05	-16.70	-3.45e-03	0.0	6.95e-03	-0.81
		-41.85	1.95e-03	-6.42e-06	0.0	145.0	0.05	-39.90	-3.45e-03	0.0	1.95e-03	-41.85
11	302	-0.82	4.14e-03	-2.39e-04	-23.20	0.0	0.05	-16.85	-2.11e-03	0.0	4.14e-03	-0.82
		-42.07	1.07e-03	-4.47e-06	0.0	145.0	0.05	-40.05	-2.11e-03	0.0	1.07e-03	-42.07
11	305	-1.50	0.01	-4.06e-04	-41.99	0.0	0.09	-30.78	-4.83e-03	0.0	0.01	-1.50
		-76.58	4.29e-03	-1.35e-05	0.0	145.0	0.09	-72.77	-4.83e-03	0.0	4.29e-03	-76.58
11	306	-0.82	3.71e-03	-2.41e-04	-23.20	0.0	-0.12	-16.84	-8.23e-04	0.0	3.71e-03	-0.82
		-42.06	2.52e-03	-6.47e-06	0.0	145.0	-0.12	-40.04	-8.23e-04	0.0	2.52e-03	-42.06
11	308	-0.82	6.89e-03	-2.42e-04	-23.20	0.0	0.14	-16.81	-3.76e-03	0.0	6.89e-03	-0.82
		-42.01	1.44e-03	-5.96e-06	0.0	145.0	0.14	-40.00	-3.76e-03	0.0	1.44e-03	-42.01
11	309	-0.82	5.83e-03	-2.42e-04	-23.20	0.0	0.05	-16.82	-2.78e-03	0.0	5.83e-03	-0.82
		-42.02	1.80e-03	-6.13e-06	0.0	145.0	0.05	-40.01	-2.78e-03	0.0	1.80e-03	-42.02
11	310	-1.51	7.91e-03	-4.02e-04	-41.99	0.0	0.09	-30.85	-3.50e-03	0.0	7.91e-03	-1.51
		-76.68	2.83e-03	-1.02e-05	0.0	145.0	0.09	-72.84	-3.50e-03	0.0	2.83e-03	-76.68
12	3	0.0	0.0	0.01	-91.16	0.0	-0.10	1.83e-06	-0.02	0.0	0.0	0.0
		-100.27	-0.04	1.17e-05	0.0	220.0	-0.10	-91.16	-0.02	0.0	-0.04	-100.27
12	17	0.0	0.0	9.84e-03	-74.82	0.0	-0.11	1.28e-06	-0.01	0.0	0.0	0.0
		-82.31	-0.03	1.27e-05	0.0	220.0	-0.11	-74.82	-0.01	0.0	-0.03	-82.31
12	46	0.0	0.0	3.16e-03	-23.96	0.0	0.14	0.0	-5.41e-03	0.0	0.0	0.0
		-26.35	-0.01	-9.17e-06	0.0	220.0	0.14	-23.96	-5.41e-03	0.0	-0.01	-26.35
12	65	0.0	0.0	4.91e-03	-36.71	0.0	-0.04	0.0	-7.11e-03	0.0	0.0	0.0
		-40.38	-0.02	6.76e-06	0.0	220.0	-0.04	-36.71	-7.11e-03	0.0	-0.02	-40.38
12	69	0.0	0.0	3.23e-03	-23.96	0.0	-0.03	0.0	-4.44e-03	0.0	0.0	0.0
		-26.35	-9.76e-03	5.25e-06	0.0	220.0	-0.03	-23.96	-4.44e-03	0.0	-9.76e-03	-26.35
12	76	0.0	0.0	0.01	-91.16	0.0	-0.04	1.83e-06	-0.02	0.0	0.0	0.0
		-100.27	-0.04	8.89e-06	0.0	220.0	-0.04	-91.16	-0.02	0.0	-0.04	-100.27
12	125	0.0	0.0	6.69e-03	-48.16	0.0	-1.09	0.42	-7.96e-03	0.0	0.0	0.0
		-52.04	-0.02	-3.27e-05	0.0	220.0	-1.09	-47.73	-7.96e-03	0.0	-0.02	-52.04
12	128	0.0	0.0	5.96e-03	-48.16	0.0	1.04	-0.42	-0.01	0.0	0.0	0.0
		-53.90	-0.02	4.07e-05	0.0	220.0	1.04	-48.58	-0.01	0.0	-0.02	-53.90
12	137	0.17	0.02	7.53e-03	-48.16	0.0	-0.47	2.75	9.10e-03	0.0	0.0	0.0
		-46.91	0.0	-9.04e-04	0.0	220.0	-0.47	-45.40	9.10e-03	0.0	0.02	-46.91
12	138	0.0	0.0	4.94e-03	-48.16	0.0	-9.71e-03	-2.33	-0.03	0.0	0.0	0.0
		-58.09	-0.07	-6.73e-04	0.0	220.0	-9.71e-03	-50.48	-0.03	0.0	-0.07	-58.09
12	139	0.11	0.03	7.72e-03	-48.16	0.0	-0.04	2.33	0.01	0.0	0.0	0.0
		-47.85	0.0	6.81e-04	0.0	220.0	-0.04	-45.83	0.01	0.0	0.03	-47.85
12	140	0.0	0.0	5.13e-03	-48.16	0.0	0.42	-2.75	-0.03	0.0	0.0	0.0
		-59.03	-0.06	9.13e-04	0.0	220.0	0.42	-50.91	-0.03	0.0	-0.06	-59.03
12	157	0.0	0.0	6.74e-03	-48.16	0.0	-1.22	0.48	-7.71e-03	0.0	0.0	0.0
		-51.92	-0.02	-3.74e-05	0.0	220.0	-1.22	-47.68	-7.71e-03	0.0	-0.02	-51.92
12	160	0.0	0.0	5.92e-03	-48.16	0.0	1.17	-0.48	-0.01	0.0	0.0	0.0
		-54.03	-0.02	4.55e-05	0.0	220.0	1.17	-48.64	-0.01	0.0	-0.02	-54.03
12	169	0.22	0.03	7.69e-03	-48.16	0.0	-0.53	3.11	0.01	0.0	0.0	0.0
		-46.13	0.0	-1.02e-03	0.0	220.0	-0.53	-45.05	0.01	0.0	0.03	-46.13
12	170	0.0	0.0	4.76e-03	-48.16	0.0	-5.84e-03	-2.63	-0.04	0.0	0.0	0.0
		-58.76	-0.08	-7.58e-04	0.0	220.0	-5.84e-03	-50.79	-0.04	0.0	-0.08	-58.76
12	171	0.15	0.04	7.90e-03	-48.16	0.0	-0.04	2.63	0.02	0.0	0.0	0.0
		-47.19	0.0	7.66e-04	0.0	220.0	-0.04	-45.53	0.02	0.0	0.04	-47.19
12	172	0.0	0.0	4.97e-03	-48.16	0.0	0.48	-3.11	-0.03	0.0	0.0	0.0
		-59.81	-0.07	1.03e-03	0.0	220.0	0.48	-51.27	-0.03	0.0	-0.07	-59.81
12	189	0.0	0.0	6.75e-03	-48.16	0.0	-1.21	0.50	-7.42e-03	0.0	0.0	0.0
		-51.88	-0.02	-3.80e-05	0.0	220.0	-1.21	-47.66	-7.42e-03	0.0	-0.02	-51.88
12	192	0.0	0.0	5.91e-03	-48.16	0.0	1.16	-0.50	-0.01	0.0	0.0	0.0
		-54.06	-0.03	4.60e-05	0.0	220.0	1.16	-48.65	-0.01	0.0	-0.03	-54.06
12	201	0.22	0.03	7.72e-03	-48.16	0.0	-0.53	3.13	0.01	0.0	0.0	0.0
		-46.09	0.0	-1.03e-03	0.0	220.0	-0.53	-45.03	0.01	0.0	0.03	-46.09
12	202	0.0	0.0	4.72e-03	-48.16	0.0	4.64e-03	-2.65	-0.04	0.0	0.0	0.0
		-58.81	-0.08	-7.56e-04	0.0	220.0	4.64e-03	-50.81	-0.04	0.0	-0.08	-58.81
12	203	0.16	0.04	7.94e-03	-48.16	0.0	-0.06	2.65	0.02	0.0	0.0	0.0
		-47.13	0.0	7.64e-04	0.0	220.0	-0.06	-45.50	0.02	0.0	0.04	-47.13
12	204	0.0	0.0	4.94e-03	-48.16	0.0	0.48	-3.13	-0.03	0.0	0.0	0.0
		-59.85	-0.07	1.04e-03	0.0	220.0	0.48	-51.28	-0.03	0.0	-0.07	-59.85
12	221	0.0	0.0	6.83e-03	-48.16	0.0	-1.40	0.59	-6.87e-03	0.0	0.0	0.0
		-51.67	-0.02	-4.57e-05	0.0	220.0	-1.40	-47.56	-6.87e-03	0.0	-0.02	-51.67
12	224	0.0	0.0	5.83e-03	-48.16	0.0	1.35	-0.59	-0.01	0.0	0.0	0.0
		-54.27	-0.03	5.37e-05	0.0	220.0	1.35	-48.75	-0.01	0.0	-0.03	-54.27

12	233	0.30	0.04	7.98e-03	-48.16	0.0	-0.62	3.69	0.02	0.0	0.0	0.0
		-44.85	0.0	-1.22e-03	0.0	220.0	-0.62	-44.46	0.02	0.0	0.04	-44.85
12	234	0.0	0.0	4.42e-03	-48.16	0.0	0.02	-3.14	-0.04	0.0	0.0	0.0
		-59.88	-0.09	-8.90e-04	0.0	220.0	0.02	-51.29	-0.04	0.0	-0.09	-59.88
12	235	0.22	0.05	8.24e-03	-48.16	0.0	-0.07	3.14	0.02	0.0	0.0	0.0
		-46.07	0.0	8.98e-04	0.0	220.0	-0.07	-45.02	0.02	0.0	0.05	-46.07
12	236	0.0	0.0	4.68e-03	-48.16	0.0	0.57	-3.69	-0.04	0.0	0.0	0.0
		-61.10	-0.08	1.22e-03	0.0	220.0	0.57	-51.85	-0.04	0.0	-0.08	-61.10
12	243	0.0	0.0	8.23e-03	-62.68	0.0	-0.07	1.22e-06	-0.01	0.0	0.0	0.0
		-68.94	-0.03	8.06e-06	0.0	220.0	-0.07	-62.68	-0.01	0.0	-0.03	-68.94
12	250	0.0	0.0	6.81e-03	-51.79	0.0	-0.07	0.0	-0.01	0.0	0.0	0.0
		-56.96	-0.02	8.74e-06	0.0	220.0	-0.07	-51.79	-0.01	0.0	-0.02	-56.96
12	262	0.0	0.0	3.48e-03	-26.38	0.0	0.09	0.0	-5.81e-03	0.0	0.0	0.0
		-29.01	-0.01	-4.94e-06	0.0	220.0	0.09	-26.38	-5.81e-03	0.0	-0.01	-29.01
12	273	0.0	0.0	3.53e-03	-26.38	0.0	-0.03	0.0	-5.16e-03	0.0	0.0	0.0
		-29.01	-0.01	4.78e-06	0.0	220.0	-0.03	-26.38	-5.16e-03	0.0	-0.01	-29.01
12	280	0.0	0.0	8.23e-03	-62.68	0.0	-0.03	1.22e-06	-0.01	0.0	0.0	0.0
		-68.94	-0.03	6.21e-06	0.0	220.0	-0.03	-62.68	-0.01	0.0	-0.03	-68.94
12	298	0.0	0.0	6.80e-03	-51.79	0.0	-0.03	0.0	-0.01	0.0	0.0	0.0
		-56.96	-0.02	5.32e-06	0.0	220.0	-0.03	-51.79	-0.01	0.0	-0.02	-56.96
12	303	0.0	0.0	6.33e-03	-48.16	0.0	-0.03	0.0	-9.55e-03	0.0	0.0	0.0
		-52.97	-0.02	5.70e-06	0.0	220.0	-0.03	-48.16	-9.55e-03	0.0	-0.02	-52.97
12	304	0.0	0.0	3.47e-03	-26.38	0.0	0.01	0.0	-5.58e-03	0.0	0.0	0.0
		-29.01	-0.01	2.26e-06	0.0	220.0	0.01	-26.38	-5.58e-03	0.0	-0.01	-29.01
12	306	0.0	0.0	3.49e-03	-26.38	0.0	-0.01	0.0	-5.52e-03	0.0	0.0	0.0
		-29.01	-0.01	3.74e-06	0.0	220.0	-0.01	-26.38	-5.52e-03	0.0	-0.01	-29.01
12	309	0.0	0.0	3.48e-03	-26.38	0.0	-7.57e-03	0.0	-5.61e-03	0.0	0.0	0.0
		-29.01	-0.01	3.50e-06	0.0	220.0	-7.57e-03	-26.38	-5.61e-03	0.0	-0.01	-29.01
12	310	0.0	0.0	6.33e-03	-48.16	0.0	-0.03	0.0	-9.53e-03	0.0	0.0	0.0
		-52.97	-0.02	5.06e-06	0.0	220.0	-0.03	-48.16	-9.53e-03	0.0	-0.02	-52.97
13	28	8.52	1.67e-03	-8.22e-04	-46.58	0.0	-8.07e-03	19.04	7.60e-04	7.76e-06	0.0	0.0
		-9.35	0.0	-2.84e-05	0.0	220.0	-8.07e-03	-27.54	7.60e-04	7.76e-06	1.67e-03	-9.35
13	45	2.45	0.0	-2.64e-04	-12.32	0.0	-0.07	5.24	-1.62e-03	2.05e-06	0.0	0.0
		-2.03	-3.56e-03	-2.38e-05	0.0	220.0	-0.07	-7.09	-1.62e-03	2.05e-06	-3.56e-03	-2.03
13	51	8.32	6.58e-03	-7.78e-04	-46.58	0.0	0.10	18.82	2.99e-03	7.76e-06	0.0	0.0
		-9.83	0.0	-1.77e-05	0.0	220.0	0.10	-27.76	2.99e-03	7.76e-06	6.58e-03	-9.83
13	68	6.78	7.96e-03	-6.30e-04	-38.26	0.0	0.15	15.39	3.62e-03	6.38e-06	0.0	0.0
		-8.22	0.0	-1.70e-05	0.0	220.0	0.15	-22.87	3.62e-03	6.38e-06	7.96e-03	-8.22
13	114	3.62	0.0	-2.69e-04	-24.64	0.0	-2.09	9.01	-0.02	4.11e-06	0.0	0.0
		-7.30	-0.04	1.43e-04	0.0	220.0	-2.09	-15.64	-0.02	4.11e-06	-0.04	-7.30
13	115	5.44	0.05	-6.05e-04	-24.64	0.0	2.13	11.04	0.02	4.11e-06	0.0	0.0
		-2.83	0.0	-1.61e-04	0.0	220.0	2.13	-13.61	0.02	4.11e-06	0.05	-2.83
13	125	2.81	0.02	4.73e-04	-24.64	0.0	-0.62	7.93	0.01	4.11e-06	0.0	0.0
		-9.66	0.0	-1.85e-05	0.0	220.0	-0.62	-16.71	0.01	4.11e-06	0.02	-9.66
13	128	6.54	0.0	-8.40e-04	-24.64	0.0	0.67	12.11	-8.13e-03	4.11e-06	0.0	0.0
		-0.47	-0.02	3.48e-06	0.0	220.0	0.67	-12.53	-8.13e-03	4.11e-06	-0.02	-0.47
13	130	5.35	0.0	-6.32e-04	-24.64	0.0	-1.87	10.95	-0.03	4.11e-06	0.0	0.0
		-3.02	-0.07	3.64e-04	0.0	220.0	-1.87	-13.70	-0.03	4.11e-06	-0.07	-3.02
13	131	3.69	0.07	2.63e-04	-24.64	0.0	1.92	9.09	0.03	4.11e-06	0.0	0.0
		-7.10	0.0	-3.82e-04	0.0	220.0	1.92	-15.55	0.03	4.11e-06	0.07	-7.10
13	146	3.52	0.0	-2.52e-04	-24.64	0.0	-2.34	8.88	-0.02	4.11e-06	0.0	0.0
		-7.57	-0.05	1.61e-04	0.0	220.0	-2.34	-15.76	-0.02	4.11e-06	-0.05	-7.57
13	147	5.55	0.05	-6.27e-04	-24.64	0.0	2.39	11.16	0.02	4.11e-06	0.0	0.0
		-2.55	0.0	-1.79e-04	0.0	220.0	2.39	-13.48	0.02	4.11e-06	0.05	-2.55
13	157	2.63	0.02	5.33e-04	-24.64	0.0	-0.70	7.67	0.01	4.11e-06	0.0	0.0
		-10.23	0.0	-2.02e-05	0.0	220.0	-0.70	-16.97	0.01	4.11e-06	0.02	-10.23
13	160	6.83	0.0	-8.95e-04	-24.64	0.0	0.74	12.37	-9.28e-03	4.11e-06	0.0	0.0
		0.0	-0.02	5.00e-06	0.0	220.0	0.74	-12.27	-9.28e-03	4.11e-06	-0.02	0.11
13	162	5.47	0.0	-6.62e-04	-24.64	0.0	-2.11	11.08	-0.03	4.11e-06	0.0	0.0
		-2.74	-0.07	4.13e-04	0.0	220.0	-2.11	-13.57	-0.03	4.11e-06	-0.07	-2.74
13	163	3.59	0.08	2.99e-04	-24.64	0.0	2.16	8.97	0.04	4.11e-06	0.0	0.0
		-7.38	0.0	-4.31e-04	0.0	220.0	2.16	-15.68	0.04	4.11e-06	0.08	-7.38
13	178	3.54	0.0	-2.56e-04	-24.64	0.0	-2.29	8.91	-0.02	4.11e-06	0.0	0.0
		-7.51	-0.05	1.52e-04	0.0	220.0	-2.29	-15.73	-0.02	4.11e-06	-0.05	-7.51
13	179	5.53	0.05	-6.22e-04	-24.64	0.0	2.34	11.13	0.02	4.11e-06	0.0	0.0
		-2.61	0.0	-1.70e-04	0.0	220.0	2.34	-13.51	0.02	4.11e-06	0.05	-2.61
13	189	2.64	0.02	5.30e-04	-24.64	0.0	-0.66	7.68	0.01	4.11e-06	0.0	0.0
		-10.20	0.0	-2.35e-05	0.0	220.0	-0.66	-16.96	0.01	4.11e-06	0.02	-10.20
13	192	6.82	0.0	-8.93e-04	-24.64	0.0	0.71	12.36	-9.23e-03	4.11e-06	0.0	0.0
		0.0	-0.02	7.25e-06	0.0	220.0	0.71	-12.28	-9.23e-03	4.11e-06	-0.02	0.08
13	194	5.53	0.0	-6.76e-04	-24.64	0.0	-2.10	11.14	-0.03	4.11e-06	0.0	0.0
		-2.60	-0.08	4.26e-04	0.0	220.0	-2.10	-13.50	-0.03	4.11e-06	-0.08	-2.60
13	195	3.53	0.08	3.16e-04	-24.64	0.0	2.15	8.90	0.04	4.11e-06	0.0	0.0
		-7.52	0.0	-4.44e-04	0.0	220.0	2.15	-15.74	0.04	4.11e-06	0.08	-7.52
13	210	3.39	0.0	2.55e-04	-24.64	0.0	-2.68	8.73	-0.03	4.11e-06	0.0	0.0

		-7.90	-0.06	1.75e-04	0.0	220.0	-2.68	-15.91	-0.03	4.11e-06	-0.06	-7.90
13	211	5.70	0.06	-6.55e-04	-24.64	0.0	2.73	11.31	0.03	4.11e-06	0.0	0.0
		-2.22	0.0	-1.93e-04	0.0	220.0	2.73	-13.33	0.03	4.11e-06	0.06	-2.22
13	221	2.36	0.03	6.20e-04	-24.64	0.0	-0.76	7.29	0.01	4.11e-06	0.0	0.0
		-11.07	0.0	-2.84e-05	0.0	220.0	-0.76	-17.36	0.01	4.11e-06	0.03	-11.07
13	224	7.25	0.0	-9.79e-04	-24.64	0.0	0.81	12.76	-0.01	4.11e-06	0.0	0.0
		0.0	-0.02	1.16e-05	0.0	220.0	0.81	-11.89	-0.01	4.11e-06	-0.02	0.95
13	226	5.77	0.0	-7.34e-04	-24.64	0.0	-2.50	11.39	-0.04	4.11e-06	0.0	0.0
		-2.05	-0.09	5.14e-04	0.0	220.0	-2.50	-13.26	-0.04	4.11e-06	-0.09	-2.05
13	227	3.33	0.10	3.84e-04	-24.64	0.0	2.55	8.66	0.04	4.11e-06	0.0	0.0
		-8.07	0.0	-5.32e-04	0.0	220.0	2.55	-15.99	0.04	4.11e-06	0.10	-8.07
13	256	5.86	1.21e-03	-5.67e-04	-32.04	0.0	-3.62e-03	13.10	5.52e-04	5.34e-06	0.0	0.0
		-6.43	0.0	-1.94e-05	0.0	220.0	-3.62e-03	-18.94	5.52e-04	5.34e-06	1.21e-03	-6.43
13	261	2.60	0.0	-2.72e-04	-13.56	0.0	-0.04	5.67	-8.37e-04	2.26e-06	0.0	0.0
		-2.44	-1.84e-03	-1.80e-05	0.0	220.0	-0.04	-7.89	-8.37e-04	2.26e-06	-1.84e-03	-2.44
13	267	5.73	4.49e-03	-5.37e-04	-32.04	0.0	0.07	12.95	2.04e-03	5.34e-06	0.0	0.0
		-6.75	0.0	-1.22e-05	0.0	220.0	0.07	-19.09	2.04e-03	5.34e-06	4.49e-03	-6.75
13	276	4.70	5.41e-03	-4.39e-04	-26.49	0.0	0.10	10.67	2.46e-03	4.42e-06	0.0	0.0
		-5.67	0.0	-1.18e-05	0.0	220.0	0.10	-15.83	2.46e-03	4.42e-06	5.41e-03	-5.67
13	298	4.79	2.41e-03	-4.58e-04	-26.49	0.0	0.02	10.77	1.09e-03	4.42e-06	0.0	0.0
		-5.45	0.0	-9.56e-06	0.0	220.0	0.02	-15.72	1.09e-03	4.42e-06	2.41e-03	-5.45
13	304	2.50	7.19e-04	-2.51e-04	-13.56	0.0	7.61e-03	5.56	3.27e-04	2.26e-06	0.0	0.0
		-2.68	0.0	-8.02e-06	0.0	220.0	7.61e-03	-8.00	3.27e-04	2.26e-06	7.19e-04	-2.68
13	307	4.44	2.80e-03	-4.23e-04	-24.64	0.0	0.04	10.00	1.27e-03	4.11e-06	0.0	0.0
		-5.11	0.0	-9.30e-06	0.0	220.0	0.04	-14.64	1.27e-03	4.11e-06	2.80e-03	-5.11
13	309	2.47	1.36e-03	-2.45e-04	-13.56	0.0	0.02	5.53	6.18e-04	2.26e-06	0.0	0.0
		-2.74	0.0	-5.52e-06	0.0	220.0	0.02	-8.02	6.18e-04	2.26e-06	1.36e-03	-2.74
13	310	4.46	2.26e-03	-4.28e-04	-24.64	0.0	0.02	10.02	1.03e-03	4.11e-06	0.0	0.0
		-5.06	0.0	-8.98e-06	0.0	220.0	0.02	-14.62	1.03e-03	4.11e-06	2.26e-03	-5.06
14	4	13.89	0.02	4.26e-04	-15.24	0.0	-1.06	-14.71	0.11	0.0	-0.03	13.89
		2.59	-0.03	-5.68e-06	0.0	50.6	-1.06	-29.95	0.11	0.0	0.02	2.59
14	19	4.93	0.01	1.66e-04	-4.96	0.0	-0.73	-6.19	0.04	0.0	-8.08e-03	4.93
		0.54	-8.08e-03	0.0	0.0	50.6	-0.73	-11.15	0.04	0.0	0.01	0.54
14	28	14.27	0.01	4.23e-04	-15.24	0.0	-0.45	-14.25	0.10	0.0	-0.04	14.27
		3.20	-0.04	-1.09e-05	0.0	50.6	-0.45	-29.49	0.10	0.0	0.01	3.20
14	52	14.33	0.02	4.34e-04	-15.24	0.0	-3.35	-15.13	0.11	0.0	-0.04	14.33
		2.82	-0.04	-7.73e-06	0.0	50.6	-3.35	-30.36	0.11	0.0	0.02	2.82
14	67	12.10	0.01	3.74e-04	-13.12	0.0	-5.00	-13.03	0.09	0.0	-0.03	12.10
		2.18	-0.03	-6.56e-06	0.0	50.6	-5.00	-26.15	0.09	0.0	0.01	2.18
14	94	5.70	8.47e-03	1.77e-04	-4.96	0.0	1.75	-6.55	0.04	0.0	-9.43e-03	5.70
		1.13	-9.43e-03	-2.35e-06	0.0	50.6	1.75	-11.51	0.04	0.0	8.47e-03	1.13
14	114	0.76	2.03	1.65e-04	-8.54	0.0	22.36	-9.40	4.32	0.0	-0.34	0.76
		-3.90	-0.34	-1.92e-04	0.0	50.6	22.36	-17.93	4.32	0.0	2.03	-3.90
14	115	14.81	0.30	3.18e-04	-8.54	0.0	-23.48	-7.15	-4.21	0.0	0.30	14.81
		6.77	-2.01	1.84e-04	0.0	50.6	-23.48	-15.68	-4.21	0.0	-2.01	6.77
14	119	15.23	0.30	3.33e-04	-8.54	0.0	-28.06	-7.95	-4.26	0.0	0.30	15.23
		6.86	-1.99	1.97e-04	0.0	50.6	-28.06	-16.48	-4.26	0.0	-1.99	6.86
14	121	3.48	1.60	2.50e-04	-8.54	0.0	-10.55	-11.65	4.27	-2.09e-06	-0.37	3.48
		-4.71	-0.37	-1.61e-04	0.0	50.6	-10.55	-20.18	4.27	-2.09e-06	1.60	-4.71
14	138	2.61	0.81	1.22e-04	-8.54	0.0	41.48	-2.00	0.85	2.65e-06	-0.06	2.61
		0.61	-0.06	-2.58e-05	0.0	50.6	41.48	-10.53	0.85	2.65e-06	0.81	0.61
14	139	12.96	0.02	3.61e-04	-8.54	0.0	-42.60	-14.55	-0.74	-3.09e-06	0.02	12.96
		2.26	-0.79	1.82e-05	0.0	50.6	-42.60	-23.08	-0.74	-3.09e-06	-0.79	2.26
14	146	-0.10	2.27	1.56e-04	-8.54	0.0	25.19	-9.52	4.82	0.0	-0.38	-0.10
		-4.55	-0.38	-2.15e-04	0.0	50.6	25.19	-18.05	4.82	0.0	2.27	-4.55
14	147	15.67	0.34	3.27e-04	-8.54	0.0	-26.31	-7.03	-4.71	0.0	0.34	15.67
		7.43	-2.25	2.07e-04	0.0	50.6	-26.31	-15.57	-4.71	0.0	-2.25	7.43
14	151	16.15	0.34	3.44e-04	-8.54	0.0	-31.49	-7.93	-4.77	0.0	0.34	16.15
		7.52	-2.22	2.22e-04	0.0	50.6	-31.49	-16.47	-4.77	0.0	-2.22	7.52
14	153	2.95	1.79	2.51e-04	-8.54	0.0	-11.84	-12.07	4.77	-2.33e-06	-0.42	2.95
		-5.48	-0.42	-1.80e-04	0.0	50.6	-11.84	-20.61	4.77	-2.33e-06	1.79	-5.48
14	170	2.01	0.91	1.07e-04	-8.54	0.0	46.94	-1.17	0.95	3.03e-06	-0.06	1.95
		0.51	-0.06	-2.81e-05	0.0	50.6	46.94	-9.70	0.95	3.03e-06	0.91	0.51
14	171	13.61	0.03	3.77e-04	-8.54	0.0	-48.06	-15.38	-0.83	-3.47e-06	0.03	13.61
		2.36	-0.89	2.04e-05	0.0	50.6	-48.06	-23.92	-0.83	-3.47e-06	-0.89	2.36
14	178	0.03	2.18	1.57e-04	-8.54	0.0	24.84	-9.37	4.60	0.0	-0.36	0.03
		-4.45	-0.36	-2.09e-04	0.0	50.6	24.84	-17.91	4.60	0.0	2.18	-4.45
14	179	15.53	0.32	3.26e-04	-8.54	0.0	-25.96	-7.17	-4.48	0.0	0.32	15.53
		7.33	-2.16	2.01e-04	0.0	50.6	-25.96	-15.71	-4.48	0.0	-2.16	7.33
14	183	16.03	0.32	3.43e-04	-8.54	0.0	-31.25	-8.10	-4.55	0.0	0.32	16.03
		7.43	-2.13	2.17e-04	0.0	50.6	-31.25	-16.63	-4.55	0.0	-2.13	7.43
14	185	3.04	1.70	2.52e-04	-8.54	0.0	-11.96	-12.04	4.56	-2.33e-06	-0.40	3.04
		-5.38	-0.40	-1.78e-04	0.0	50.6	-11.96	-20.58	4.56	-2.33e-06	1.70	-5.38
14	202	2.00	0.87	1.04e-04	-8.54	0.0	47.76	-0.94	0.89	3.12e-06	-0.06	1.94
		0.53	-0.06	-2.51e-05	0.0	50.6	47.76	-9.48	0.89	3.12e-06	0.87	0.53

14	203	13.63	0.02	3.79e-04	-8.54	0.0	-48.88	-15.61	-0.77	-3.57e-06	0.02	13.63
		2.35	-0.85	1.78e-05	0.0	50.6	-48.88	-24.14	-0.77	-3.57e-06	-0.85	2.35
14	210	-1.25	2.53	1.43e-04	-8.54	0.0	29.23	-9.50	5.33	0.0	-0.41	-1.25
		-5.43	-0.41	-2.42e-04	0.0	50.6	29.23	-18.03	5.33	0.0	2.53	-5.43
14	211	16.82	0.37	3.40e-04	-8.54	0.0	-30.35	-7.05	-5.22	0.0	0.37	16.82
		8.31	-2.51	2.34e-04	0.0	50.6	-30.35	-15.59	-5.22	0.0	-2.51	8.31
14	215	17.41	0.38	3.60e-04	-8.54	0.0	-36.56	-8.13	-5.30	0.0	0.38	17.41
		8.43	-2.48	2.53e-04	0.0	50.6	-36.56	-16.66	-5.30	0.0	-2.48	8.43
14	217	2.28	1.97	2.54e-04	-8.54	0.0	-14.10	-12.71	5.27	-2.70e-06	-0.46	2.28
		-6.50	-0.46	-2.07e-04	0.0	50.6	-14.10	-21.24	5.27	-2.70e-06	1.97	-6.50
14	234	1.21	1.02	7.89e-05	-8.54	0.0	56.71	0.46	1.02	3.76e-06	-0.06	0.90
		0.39	-0.06	-2.74e-05	0.0	50.6	56.71	-8.07	1.02	3.76e-06	1.02	0.39
14	235	14.67	0.02	4.04e-04	-8.54	0.0	-57.83	-17.01	-0.90	-4.20e-06	0.02	14.67
		2.49	-1.00	2.01e-05	0.0	50.6	-57.83	-25.54	-0.90	-4.20e-06	-1.00	2.49
14	244	9.68	0.01	2.97e-04	-10.42	0.0	-0.72	-10.34	0.07	0.0	-0.02	9.68
		1.82	-0.02	-3.98e-06	0.0	50.6	-0.72	-20.75	0.07	0.0	0.01	1.82
14	248	5.49	9.60e-03	1.82e-04	-5.71	0.0	-0.69	-6.60	0.04	0.0	-0.01	5.49
		0.70	-0.01	0.0	0.0	50.6	-0.69	-12.31	0.04	0.0	9.60e-03	0.70
14	256	9.94	9.30e-03	2.95e-04	-10.42	0.0	-0.31	-10.02	0.07	0.0	-0.03	9.94
		2.23	-0.03	-7.43e-06	0.0	50.6	-0.31	-20.44	0.07	0.0	9.30e-03	2.23
14	268	9.98	0.01	3.02e-04	-10.42	0.0	-2.24	-10.61	0.07	0.0	-0.03	9.98
		1.97	-0.03	-5.35e-06	0.0	50.6	-2.24	-21.03	0.07	0.0	0.01	1.97
14	275	8.49	8.68e-03	2.62e-04	-9.01	0.0	-3.34	-9.21	0.06	0.0	-0.02	8.49
		1.55	-0.02	-4.57e-06	0.0	50.6	-3.34	-18.22	0.06	0.0	8.68e-03	1.55
14	286	6.00	8.12e-03	1.90e-04	-5.71	0.0	0.95	-6.84	0.04	0.0	-0.01	6.00
		1.09	-0.01	-2.55e-06	0.0	50.6	0.95	-12.55	0.04	0.0	8.12e-03	1.09
14	298	8.14	0.01	2.52e-04	-9.01	0.0	-0.58	-8.58	0.06	0.0	-0.02	8.14
		1.52	-0.02	-4.21e-06	0.0	50.6	-0.58	-17.59	0.06	0.0	0.01	1.52
14	302	5.60	7.12e-03	1.81e-04	-5.71	0.0	-0.51	-6.46	0.04	0.0	-0.01	5.60
		0.88	-0.01	-2.15e-06	0.0	50.6	-0.51	-12.18	0.04	0.0	7.12e-03	0.88
14	303	7.76	0.01	2.42e-04	-8.54	0.0	-0.61	-8.31	0.06	0.0	-0.02	7.76
		1.39	-0.02	-3.59e-06	0.0	50.6	-0.61	-16.84	0.06	0.0	0.01	1.39
14	307	7.85	9.63e-03	2.44e-04	-8.54	0.0	-1.11	-8.40	0.06	0.0	-0.02	7.85
		1.44	-0.02	-4.04e-06	0.0	50.6	-1.11	-16.94	0.06	0.0	9.63e-03	1.44
14	308	5.59	6.69e-03	1.80e-04	-5.71	0.0	-0.19	-6.37	0.04	0.0	-0.01	5.59
		0.93	-0.01	-2.49e-06	0.0	50.6	-0.19	-12.08	0.04	0.0	6.69e-03	0.93
14	309	5.63	6.50e-03	1.81e-04	-5.71	0.0	-0.47	-6.43	0.04	0.0	-0.01	5.63
		0.93	-0.01	-2.53e-06	0.0	50.6	-0.47	-12.14	0.04	0.0	6.50e-03	0.93
14	310	7.78	0.01	2.42e-04	-8.54	0.0	-0.56	-8.27	0.06	0.0	-0.02	7.78
		1.44	-0.02	-3.97e-06	0.0	50.6	-0.56	-16.81	0.06	0.0	0.01	1.44
15	3	0.0	2.34e-03	9.65e-03	-57.08	0.0	-0.32	0.0	8.44e-04	0.0	0.0	0.0
		-78.96	0.0	-2.37e-05	0.0	276.7	-0.32	-57.08	8.44e-04	0.0	2.34e-03	-78.96
15	4	0.0	1.52e-03	9.70e-03	-57.08	0.0	-0.32	0.0	5.51e-04	0.0	0.0	0.0
		-78.96	0.0	-2.57e-05	0.0	276.7	-0.32	-57.08	5.51e-04	0.0	1.52e-03	-78.96
15	21	0.0	3.07e-03	6.53e-03	-38.94	0.0	-0.27	0.0	1.11e-03	0.0	0.0	0.0
		-53.86	0.0	-8.23e-06	0.0	276.7	-0.27	-38.94	1.11e-03	0.0	3.07e-03	-53.86
15	36	0.0	0.0	2.87e-03	-15.41	0.0	0.04	0.0	-1.97e-03	0.0	0.0	0.0
		-21.31	-5.46e-03	-3.10e-05	0.0	276.7	0.04	-15.41	-1.97e-03	0.0	-5.46e-03	-21.31
15	42	0.0	0.0	4.27e-03	-23.47	0.0	0.07	0.0	-2.51e-03	0.0	0.0	0.0
		-32.46	-6.96e-03	-4.48e-05	0.0	276.7	0.07	-23.47	-2.51e-03	0.0	-6.96e-03	-32.46
15	45	0.0	0.0	2.83e-03	-15.41	0.0	0.11	0.0	-2.13e-03	0.0	0.0	0.0
		-21.31	-5.89e-03	-3.85e-05	0.0	276.7	0.11	-15.41	-2.13e-03	0.0	-5.89e-03	-21.31
15	122	0.0	0.05	2.99e-03	-30.35	0.0	-3.81	-3.00	0.02	0.0	0.0	0.0
		-50.28	0.0	1.80e-04	0.0	276.7	-3.81	-33.35	0.02	0.0	0.05	-50.28
15	123	0.38	0.0	7.37e-03	-30.35	0.0	3.53	3.00	-0.02	0.0	0.0	0.0
		-33.68	-0.05	-2.16e-04	0.0	276.7	3.53	-27.35	-0.02	0.0	-0.05	-33.68
15	154	0.0	0.06	2.72e-03	-30.35	0.0	-4.26	-3.37	0.02	0.0	0.0	0.0
		-51.30	0.0	2.07e-04	0.0	276.7	-4.26	-33.72	0.02	0.0	0.06	-51.30
15	155	0.51	0.0	7.64e-03	-30.35	0.0	3.99	3.37	-0.02	0.0	0.0	0.0
		-32.66	-0.06	-2.43e-04	0.0	276.7	3.99	-26.98	-0.02	0.0	-0.06	-32.66
15	186	0.0	0.06	2.77e-03	-30.35	0.0	-4.21	-3.23	0.02	0.0	0.0	0.0
		-50.91	0.0	2.22e-04	0.0	276.7	-4.21	-33.58	0.02	0.0	0.06	-50.91
15	187	0.46	0.0	7.59e-03	-30.35	0.0	3.94	3.23	-0.02	0.0	0.0	0.0
		-33.05	-0.06	-2.57e-04	0.0	276.7	3.94	-27.12	-0.02	0.0	-0.06	-33.05
15	218	0.0	0.07	2.37e-03	-30.35	0.0	-4.89	-3.76	0.02	0.0	0.0	0.0
		-52.38	0.0	2.74e-04	0.0	276.7	-4.89	-34.11	0.02	0.0	0.07	-52.38
15	219	0.64	0.0	7.99e-03	-30.35	0.0	4.61	3.76	-0.02	0.0	0.0	0.0
		-31.58	-0.07	-3.10e-04	0.0	276.7	4.61	-26.59	-0.02	0.0	-0.07	-31.58
15	243	0.0	1.46e-03	6.65e-03	-39.31	0.0	-0.22	0.0	5.29e-04	0.0	0.0	0.0
		-54.38	0.0	-1.68e-05	0.0	276.7	-0.22	-39.31	5.29e-04	0.0	1.46e-03	-54.38
15	244	0.0	9.22e-04	6.69e-03	-39.31	0.0	-0.22	0.0	3.33e-04	0.0	0.0	0.0
		-54.38	0.0	-1.81e-05	0.0	276.7	-0.22	-39.31	3.33e-04	0.0	9.22e-04	-54.38
15	250	0.0	1.78e-03	5.50e-03	-32.59	0.0	-0.21	0.0	6.44e-04	0.0	0.0	0.0
		-45.08	0.0	-9.41e-06	0.0	276.7	-0.21	-32.59	6.44e-04	0.0	1.78e-03	-45.08
15	257	0.0	0.0	3.06e-03	-16.90	0.0	-3.81e-03	0.0	-1.41e-03	0.0	0.0	0.0

		-23.38	-3.91e-03	-2.46e-05	0.0	276.7	-3.81e-03	-16.90	-1.41e-03	0.0	-3.91e-03	-23.38
15	261	0.0	0.0	3.03e-03	-16.90	0.0	0.04	0.0	-1.51e-03	0.0	0.0	0.0
		-23.38	-4.19e-03	-2.96e-05	0.0	276.7	0.04	-16.90	-1.51e-03	0.0	-4.19e-03	-23.38
15	262	0.0	0.0	3.07e-03	-16.90	0.0	0.04	0.0	-1.71e-03	0.0	0.0	0.0
		-23.38	-4.73e-03	-3.09e-05	0.0	276.7	0.04	-16.90	-1.71e-03	0.0	-4.73e-03	-23.38
15	298	0.0	7.41e-05	5.56e-03	-32.59	0.0	-0.15	0.0	2.68e-05	0.0	0.0	0.0
		-45.08	0.0	-1.89e-05	0.0	276.7	-0.15	-32.59	2.68e-05	0.0	7.41e-05	-45.08
15	299	0.0	0.0	2.94e-03	-16.90	0.0	-0.07	0.0	-3.58e-04	0.0	0.0	0.0
		-23.38	-9.91e-04	-1.11e-05	0.0	276.7	-0.07	-16.90	-3.58e-04	0.0	-9.91e-04	-23.38
15	303	0.0	2.95e-04	5.17e-03	-30.35	0.0	-0.15	0.0	1.06e-04	0.0	0.0	0.0
		-41.98	0.0	-1.58e-05	0.0	276.7	-0.15	-30.35	1.06e-04	0.0	2.95e-04	-41.98
15	304	0.0	0.0	2.94e-03	-16.90	0.0	-0.05	0.0	-5.27e-04	0.0	0.0	0.0
		-23.38	-1.46e-03	-1.43e-05	0.0	276.7	-0.05	-16.90	-5.27e-04	0.0	-1.46e-03	-23.38
15	309	0.0	0.0	2.92e-03	-16.90	0.0	-0.07	0.0	-2.80e-04	0.0	0.0	0.0
		-23.38	-7.75e-04	-1.05e-05	0.0	276.7	-0.07	-16.90	-2.80e-04	0.0	-7.75e-04	-23.38
15	310	0.0	0.0	5.18e-03	-30.35	0.0	-0.14	0.0	-1.70e-05	0.0	0.0	0.0
		-41.98	-4.72e-05	-1.77e-05	0.0	276.7	-0.14	-30.35	-1.70e-05	0.0	-4.72e-05	-41.98
16	3	0.0	2.25e-03	8.43e-03	-91.16	0.0	0.95	1.83e-06	1.02e-03	0.0	0.0	0.0
		-100.27	0.0	-2.18e-05	0.0	220.0	0.95	-91.16	1.02e-03	0.0	2.25e-03	-100.27
16	4	0.0	3.25e-04	8.41e-03	-91.16	0.0	0.97	1.83e-06	1.48e-04	0.0	0.0	0.0
		-100.27	0.0	-2.29e-05	0.0	220.0	0.97	-91.16	1.48e-04	0.0	3.25e-04	-100.27
16	9	0.0	0.0	3.32e-03	-36.71	0.0	0.45	0.0	-2.63e-03	0.0	0.0	0.0
		-40.38	-5.79e-03	-7.06e-06	0.0	220.0	0.45	-36.71	-2.63e-03	0.0	-5.79e-03	-40.38
16	31	0.0	3.09e-03	7.29e-03	-78.41	0.0	0.77	1.83e-06	1.40e-03	0.0	0.0	0.0
		-86.25	0.0	-4.10e-05	0.0	220.0	0.77	-78.41	1.40e-03	0.0	3.09e-03	-86.25
16	45	0.0	0.0	2.23e-03	-23.96	0.0	0.22	0.0	-4.24e-04	0.0	0.0	0.0
		-26.35	-9.32e-04	-3.42e-05	0.0	220.0	0.22	-23.96	-4.24e-04	0.0	-9.32e-04	-26.35
16	89	0.0	0.0	3.34e-03	-36.71	0.0	0.39	0.0	-8.97e-04	0.0	0.0	0.0
		-40.38	-1.97e-03	-1.33e-05	0.0	220.0	0.39	-36.71	-8.97e-04	0.0	-1.97e-03	-40.38
16	122	0.0	0.0	3.59e-03	-48.16	0.0	1.13	-2.85	-4.36e-03	0.0	0.0	0.0
		-59.25	-9.60e-03	1.67e-04	0.0	220.0	1.13	-51.01	-4.36e-03	0.0	-9.60e-03	-59.25
16	123	0.19	0.01	5.30e-03	-48.16	0.0	-0.13	2.85	4.64e-03	0.0	0.0	0.0
		-46.70	0.0	-1.99e-04	0.0	220.0	-0.13	-45.30	4.64e-03	0.0	0.01	-46.70
16	130	0.0	0.0	3.37e-03	-48.16	0.0	0.86	-4.16	-7.80e-03	0.0	0.0	0.0
		-62.12	-0.02	6.17e-04	0.0	220.0	0.86	-52.31	-7.80e-03	0.0	-0.02	-62.12
16	131	0.36	0.02	5.52e-03	-48.16	0.0	0.13	4.16	8.07e-03	0.0	0.0	0.0
		-43.82	0.0	-6.49e-04	0.0	220.0	0.13	-44.00	8.07e-03	0.0	0.02	-43.82
16	138	0.0	0.0	3.37e-03	-48.16	0.0	0.74	-3.67	-9.14e-03	0.0	0.0	0.0
		-61.04	-0.02	2.54e-04	0.0	220.0	0.74	-51.82	-9.14e-03	0.0	-0.02	-61.04
16	139	0.30	0.02	5.52e-03	-48.16	0.0	0.26	3.67	9.42e-03	0.0	0.0	0.0
		-44.90	0.0	-2.86e-04	0.0	220.0	0.26	-44.49	9.42e-03	0.0	0.02	-44.90
16	154	0.0	0.0	3.48e-03	-48.16	0.0	1.21	-3.20	-4.93e-03	0.0	0.0	0.0
		-60.01	-0.01	1.92e-04	0.0	220.0	1.21	-51.35	-4.93e-03	0.0	-0.01	-60.01
16	155	0.23	0.01	5.41e-03	-48.16	0.0	-0.21	3.20	5.21e-03	0.0	0.0	0.0
		-45.94	0.0	-2.24e-04	0.0	220.0	-0.21	-44.96	5.21e-03	0.0	0.01	-45.94
16	166	0.0	0.0	3.23e-03	-48.16	0.0	0.95	-4.66	-8.51e-03	0.0	0.0	0.0
		-63.23	-0.02	6.49e-04	0.0	220.0	0.95	-52.82	-8.51e-03	0.0	-0.02	-63.23
16	167	0.45	0.02	5.66e-03	-48.16	0.0	0.05	4.66	8.79e-03	0.0	0.0	0.0
		-42.72	0.0	-6.81e-04	0.0	220.0	0.05	-43.49	8.79e-03	0.0	0.02	-42.72
16	170	0.0	0.0	3.23e-03	-48.16	0.0	0.76	-4.12	-0.01	0.0	0.0	0.0
		-62.03	-0.02	2.88e-04	0.0	220.0	0.76	-52.27	-0.01	0.0	-0.02	-62.03
16	171	0.36	0.02	5.66e-03	-48.16	0.0	0.23	4.12	0.01	0.0	0.0	0.0
		-43.92	0.0	-3.20e-04	0.0	220.0	0.23	-44.04	0.01	0.0	0.02	-43.92
16	186	0.0	0.0	3.49e-03	-48.16	0.0	1.19	-3.02	-4.95e-03	0.0	0.0	0.0
		-59.62	-0.01	2.02e-04	0.0	220.0	1.19	-51.18	-4.95e-03	0.0	-0.01	-59.62
16	187	0.21	0.01	5.40e-03	-48.16	0.0	-0.20	3.02	5.23e-03	0.0	0.0	0.0
		-46.32	0.0	-2.34e-04	0.0	220.0	-0.20	-45.13	5.23e-03	0.0	0.01	-46.32
16	194	0.0	0.0	3.23e-03	-48.16	0.0	0.91	-4.42	-9.06e-03	0.0	0.0	0.0
		-62.70	-0.02	7.21e-04	0.0	220.0	0.91	-52.58	-9.06e-03	0.0	-0.02	-62.70
16	195	0.40	0.02	5.66e-03	-48.16	0.0	0.09	4.42	9.33e-03	0.0	0.0	0.0
		-43.24	0.0	-7.53e-04	0.0	220.0	0.09	-43.73	9.33e-03	0.0	0.02	-43.24
16	202	0.0	0.0	3.23e-03	-48.16	0.0	0.75	-3.93	-0.01	0.0	0.0	0.0
		-61.62	-0.02	2.88e-04	0.0	220.0	0.75	-52.09	-0.01	0.0	-0.02	-61.62
16	203	0.33	0.02	5.66e-03	-48.16	0.0	0.25	3.93	0.01	0.0	0.0	0.0
		-44.32	0.0	-3.20e-04	0.0	220.0	0.25	-44.22	0.01	0.0	0.02	-44.32
16	218	0.0	0.0	3.32e-03	-48.16	0.0	1.31	-3.54	-5.87e-03	0.0	0.0	0.0
		-60.76	-0.01	2.48e-04	0.0	220.0	1.31	-51.69	-5.87e-03	0.0	-0.01	-60.76
16	219	0.28	0.01	5.57e-03	-48.16	0.0	-0.31	3.54	6.15e-03	0.0	0.0	0.0
		-45.19	0.0	-2.80e-04	0.0	220.0	-0.31	-44.62	6.15e-03	0.0	0.01	-45.19
16	226	0.0	0.0	3.00e-03	-48.16	0.0	0.98	-5.21	-0.01	0.0	0.0	0.0
		-64.42	-0.02	8.67e-04	0.0	220.0	0.98	-53.36	-0.01	0.0	-0.02	-64.42
16	227	0.60	0.02	5.89e-03	-48.16	0.0	0.02	5.21	0.01	0.0	0.0	0.0
		-41.52	0.0	-8.99e-04	0.0	220.0	0.02	-42.95	0.01	0.0	0.02	-41.52
16	234	0.0	0.0	3.01e-03	-48.16	0.0	0.79	-4.63	-0.01	0.0	0.0	0.0
		-63.15	-0.03	3.41e-04	0.0	220.0	0.79	-52.78	-0.01	0.0	-0.03	-63.15

16	235	0.44	0.03	5.88e-03	-48.16	0.0	0.21	4.63	0.01	0.0	0.0	0.0
		-42.79	0.0	-3.73e-04	0.0	220.0	0.21	-43.53	0.01	0.0	0.03	-42.79
16	243	0.0	1.34e-03	5.79e-03	-62.68	0.0	0.65	1.22e-06	6.07e-04	0.0	0.0	0.0
		-68.94	0.0	-1.54e-05	0.0	220.0	0.65	-62.68	6.07e-04	0.0	1.34e-03	-68.94
16	244	0.0	5.26e-05	5.78e-03	-62.68	0.0	0.67	1.22e-06	2.39e-05	0.0	0.0	0.0
		-68.94	0.0	-1.61e-05	0.0	220.0	0.67	-62.68	2.39e-05	0.0	5.26e-05	-68.94
16	245	0.0	0.0	2.39e-03	-26.38	0.0	0.32	0.0	-1.83e-03	0.0	0.0	0.0
		-29.01	-4.02e-03	-5.54e-06	0.0	220.0	0.32	-26.38	-1.83e-03	0.0	-4.02e-03	-29.01
16	255	0.0	1.58e-03	5.82e-03	-62.68	0.0	0.63	1.22e-06	7.20e-04	0.0	0.0	0.0
		-68.94	0.0	-3.07e-05	0.0	220.0	0.63	-62.68	7.20e-04	0.0	1.58e-03	-68.94
16	261	0.0	0.0	2.44e-03	-26.38	0.0	0.26	0.0	-4.99e-04	0.0	0.0	0.0
		-29.01	-1.10e-03	-2.62e-05	0.0	220.0	0.26	-26.38	-4.99e-04	0.0	-1.10e-03	-29.01
16	285	0.0	0.0	2.40e-03	-26.38	0.0	0.28	0.0	-6.73e-04	0.0	0.0	0.0
		-29.01	-1.48e-03	-9.70e-06	0.0	220.0	0.28	-26.38	-6.73e-04	0.0	-1.48e-03	-29.01
16	298	0.0	5.81e-04	4.78e-03	-51.79	0.0	0.54	0.0	2.64e-04	0.0	0.0	0.0
		-56.96	0.0	-1.71e-05	0.0	220.0	0.54	-51.79	2.64e-04	0.0	5.81e-04	-56.96
16	299	0.0	0.0	2.41e-03	-26.38	0.0	0.29	0.0	-8.57e-04	0.0	0.0	0.0
		-29.01	-1.89e-03	-9.44e-06	0.0	220.0	0.29	-26.38	-8.57e-04	0.0	-1.89e-03	-29.01
16	304	0.0	0.0	2.42e-03	-26.38	0.0	0.28	0.0	-5.99e-04	0.0	0.0	0.0
		-29.01	-1.32e-03	-1.25e-05	0.0	220.0	0.28	-26.38	-5.99e-04	0.0	-1.32e-03	-29.01
16	308	0.0	0.0	2.41e-03	-26.38	0.0	0.28	0.0	-6.34e-04	0.0	0.0	0.0
		-29.01	-1.39e-03	-9.24e-06	0.0	220.0	0.28	-26.38	-6.34e-04	0.0	-1.39e-03	-29.01
16	309	0.0	0.0	2.41e-03	-26.38	0.0	0.28	0.0	-6.24e-04	0.0	0.0	0.0
		-29.01	-1.37e-03	-9.13e-06	0.0	220.0	0.28	-26.38	-6.24e-04	0.0	-1.37e-03	-29.01
16	310	0.0	3.02e-04	4.45e-03	-48.16	0.0	0.50	0.0	1.37e-04	0.0	0.0	0.0
		-52.97	0.0	-1.59e-05	0.0	220.0	0.50	-48.16	1.37e-04	0.0	3.02e-04	-52.97
17	3	0.0	0.02	5.77e-03	-47.02	0.0	0.50	0.0	8.35e-03	2.48e-05	0.0	0.0
		-51.73	0.0	-2.65e-05	0.0	220.0	0.50	-47.02	8.35e-03	2.48e-05	0.02	-51.73
17	42	0.0	4.50e-03	2.44e-03	-19.30	0.0	0.06	0.0	2.04e-03	6.27e-06	0.0	0.0
		-21.23	0.0	-4.87e-05	0.0	220.0	0.06	-19.30	2.04e-03	6.27e-06	4.50e-03	-21.23
17	52	0.0	0.02	5.76e-03	-47.02	0.0	0.70	0.0	9.14e-03	2.48e-05	0.0	0.0
		-51.73	0.0	-3.97e-05	0.0	220.0	0.70	-47.02	9.14e-03	2.48e-05	0.02	-51.73
17	67	0.0	0.02	4.73e-03	-38.71	0.0	0.78	0.0	8.06e-03	1.92e-05	0.0	0.0
		-42.58	0.0	-3.29e-05	0.0	220.0	0.78	-38.71	8.06e-03	1.92e-05	0.02	-42.58
17	94	0.0	4.72e-03	1.58e-03	-12.67	0.0	-0.10	0.0	2.15e-03	3.92e-06	0.0	0.0
		-13.94	0.0	-1.22e-05	0.0	220.0	-0.10	-12.67	2.15e-03	3.92e-06	4.72e-03	-13.94
17	114	0.06	0.0	2.56e-03	-24.99	0.0	-9.74	1.22	-0.06	1.18e-05	0.0	0.0
		-24.81	-0.12	2.77e-04	0.0	220.0	-9.74	-23.77	-0.06	1.18e-05	-0.12	-24.81
17	115	0.0	0.14	3.59e-03	-24.99	0.0	10.22	-1.22	0.06	1.18e-05	0.0	0.0
		-30.17	0.0	-3.16e-04	0.0	220.0	10.22	-26.21	0.06	1.18e-05	0.14	-30.17
17	117	0.18	0.0	2.19e-03	-24.99	0.0	-5.98	2.08	-0.02	1.18e-05	0.0	0.0
		-22.91	-0.04	-2.84e-05	0.0	220.0	-5.98	-22.91	-0.02	1.18e-05	-0.04	-22.91
17	120	0.0	0.06	3.96e-03	-24.99	0.0	6.47	-2.08	0.03	1.18e-05	0.0	0.0
		-32.07	0.0	-1.42e-05	0.0	220.0	6.47	-27.07	0.03	1.18e-05	0.06	-32.07
17	130	0.0	0.0	3.46e-03	-24.99	0.0	-9.02	-0.88	-0.08	1.18e-05	0.0	0.0
		-29.42	-0.17	7.06e-04	0.0	220.0	-9.02	-25.87	-0.08	1.18e-05	-0.17	-29.42
17	131	0.01	0.19	2.69e-03	-24.99	0.0	9.51	0.88	0.08	1.18e-05	0.0	0.0
		-25.56	0.0	-7.46e-04	0.0	220.0	9.51	-24.11	0.08	1.18e-05	0.19	-25.56
17	146	0.08	0.0	2.50e-03	-24.99	0.0	-10.98	1.36	-0.06	1.18e-05	0.0	0.0
		-24.51	-0.14	3.11e-04	0.0	220.0	-10.98	-23.63	-0.06	1.18e-05	-0.14	-24.51
17	147	0.0	0.16	3.65e-03	-24.99	0.0	11.46	-1.36	0.07	1.18e-05	0.0	0.0
		-30.47	0.0	-3.50e-04	0.0	220.0	11.46	-26.35	0.07	1.18e-05	0.16	-30.47
17	149	0.21	0.0	2.08e-03	-24.99	0.0	-6.72	2.32	-0.02	1.18e-05	0.0	0.0
		-22.39	-0.05	-3.51e-05	0.0	220.0	-6.72	-22.67	-0.02	1.18e-05	-0.05	-22.39
17	152	0.0	0.07	4.07e-03	-24.99	0.0	7.21	-2.32	0.03	1.18e-05	0.0	0.0
		-32.59	0.0	-1.02e-05	0.0	220.0	7.21	-27.31	0.03	1.18e-05	0.07	-32.59
17	162	0.0	0.0	3.51e-03	-24.99	0.0	-10.22	-0.98	-0.09	1.18e-05	0.0	0.0
		-29.64	-0.19	8.02e-04	0.0	220.0	-10.22	-25.97	-0.09	1.18e-05	-0.19	-29.64
17	163	0.03	0.21	2.64e-03	-24.99	0.0	10.71	0.98	0.09	1.18e-05	0.0	0.0
		-25.33	0.0	-8.42e-04	0.0	220.0	10.71	-24.01	0.09	1.18e-05	0.21	-25.33
17	178	0.06	0.0	2.52e-03	-24.99	0.0	-10.85	1.24	-0.06	1.18e-05	0.0	0.0
		-24.77	-0.14	2.92e-04	0.0	220.0	-10.85	-23.75	-0.06	1.18e-05	-0.14	-24.77
17	179	0.0	0.16	3.63e-03	-24.99	0.0	11.33	-1.24	0.07	1.18e-05	0.0	0.0
		-30.21	0.0	-3.32e-04	0.0	220.0	11.33	-26.23	0.07	1.18e-05	0.16	-30.21
17	181	0.19	0.0	2.10e-03	-24.99	0.0	-6.48	2.13	-0.02	1.18e-05	0.0	0.0
		-22.79	-0.04	-6.82e-05	0.0	220.0	-6.48	-22.86	-0.02	1.18e-05	-0.04	-22.79
17	184	0.0	0.06	4.05e-03	-24.99	0.0	6.96	-2.13	0.03	1.18e-05	0.0	0.0
		-32.18	0.0	2.88e-05	0.0	220.0	6.96	-27.12	0.03	1.18e-05	0.06	-32.18
17	194	0.0	0.0	3.52e-03	-24.99	0.0	-10.42	-0.92	-0.09	1.18e-05	0.0	0.0
		-29.52	-0.20	8.29e-04	0.0	220.0	-10.42	-25.91	-0.09	1.18e-05	-0.20	-29.52
17	195	0.02	0.21	2.63e-03	-24.99	0.0	10.90	0.92	0.10	1.18e-05	0.0	0.0
		-25.46	0.0	-8.68e-04	0.0	220.0	10.90	-24.07	0.10	1.18e-05	0.21	-25.46
17	210	0.09	0.0	2.43e-03	-24.99	0.0	-12.74	1.44	-0.07	1.18e-05	0.0	0.0
		-24.31	-0.16	3.37e-04	0.0	220.0	-12.74	-23.55	-0.07	1.18e-05	-0.16	-24.31
17	211	0.0	0.18	3.72e-03	-24.99	0.0	13.23	-1.44	0.08	1.18e-05	0.0	0.0

		-30.67	0.0	-3.76e-04	0.0	220.0	13.23	-26.43	0.08	1.18e-05	0.18	-30.67
17	213	0.26	0.0	1.93e-03	-24.99	0.0	-7.52	2.50	-0.02	1.18e-05	0.0	0.0
		-21.99	-0.05	-9.72e-05	0.0	220.0	-7.52	-22.49	-0.02	1.18e-05	-0.05	-21.99
17	216	0.0	0.07	4.22e-03	-24.99	0.0	8.01	-2.50	0.03	1.18e-05	0.0	0.0
		-32.99	0.0	5.78e-05	0.0	220.0	8.01	-27.49	0.03	1.18e-05	0.07	-32.99
17	226	0.0	0.0	3.62e-03	-24.99	0.0	-12.46	-1.09	-0.11	1.18e-05	0.0	0.0
		-29.89	-0.24	9.99e-04	0.0	220.0	-12.46	-26.08	-0.11	1.18e-05	-0.24	-29.89
17	227	0.04	0.25	2.53e-03	-24.99	0.0	12.95	1.09	0.12	1.18e-05	0.0	0.0
		-25.08	0.0	-1.04e-03	0.0	220.0	12.95	-23.90	0.12	1.18e-05	0.25	-25.08
17	243	0.0	0.01	3.97e-03	-32.38	0.0	0.34	0.0	5.77e-03	1.68e-05	0.0	0.0
		-35.62	0.0	-1.88e-05	0.0	220.0	0.34	-32.38	5.77e-03	1.68e-05	0.01	-35.62
17	262	0.0	3.44e-03	1.75e-03	-13.90	0.0	0.05	0.0	1.56e-03	4.43e-06	0.0	0.0
		-15.29	0.0	-3.35e-05	0.0	220.0	0.05	-13.90	1.56e-03	4.43e-06	3.44e-03	-15.29
17	268	0.0	0.01	3.97e-03	-32.38	0.0	0.47	0.0	6.30e-03	1.68e-05	0.0	0.0
		-35.62	0.0	-2.75e-05	0.0	220.0	0.47	-32.38	6.30e-03	1.68e-05	0.01	-35.62
17	275	0.0	0.01	3.28e-03	-26.84	0.0	0.53	0.0	5.57e-03	1.31e-05	0.0	0.0
		-29.52	0.0	-2.30e-05	0.0	220.0	0.53	-26.84	5.57e-03	1.31e-05	0.01	-29.52
17	286	0.0	5.43e-03	1.72e-03	-13.90	0.0	-0.02	0.0	2.47e-03	4.43e-06	0.0	0.0
		-15.29	0.0	-1.27e-05	0.0	220.0	-0.02	-13.90	2.47e-03	4.43e-06	5.43e-03	-15.29
17	298	0.0	9.97e-03	3.30e-03	-26.84	0.0	0.26	0.0	4.53e-03	1.31e-05	0.0	0.0
		-29.52	0.0	-2.09e-05	0.0	220.0	0.26	-26.84	4.53e-03	1.31e-05	9.97e-03	-29.52
17	304	0.0	5.21e-03	1.72e-03	-13.90	0.0	0.11	0.0	2.37e-03	4.43e-06	0.0	0.0
		-15.29	0.0	-1.61e-05	0.0	220.0	0.11	-13.90	2.37e-03	4.43e-06	5.21e-03	-15.29
17	307	0.0	9.84e-03	3.07e-03	-24.99	0.0	0.30	0.0	4.47e-03	1.18e-05	0.0	0.0
		-27.49	0.0	-2.01e-05	0.0	220.0	0.30	-24.99	4.47e-03	1.18e-05	9.84e-03	-27.49
17	308	0.0	5.61e-03	1.71e-03	-13.90	0.0	0.09	0.0	2.55e-03	4.43e-06	0.0	0.0
		-15.29	0.0	-1.19e-05	0.0	220.0	0.09	-13.90	2.55e-03	4.43e-06	5.61e-03	-15.29
17	309	0.0	5.84e-03	1.71e-03	-13.90	0.0	0.12	0.0	2.65e-03	4.43e-06	0.0	0.0
		-15.29	0.0	-1.22e-05	0.0	220.0	0.12	-13.90	2.65e-03	4.43e-06	5.84e-03	-15.29
17	310	0.0	9.38e-03	3.08e-03	-24.99	0.0	0.24	0.0	4.27e-03	1.18e-05	0.0	0.0
		-27.49	0.0	-1.97e-05	0.0	220.0	0.24	-24.99	4.27e-03	1.18e-05	9.38e-03	-27.49
18	3	0.0	0.0	-0.02	-77.07	0.0	0.50	77.07	7.23e-03	-2.57e-06	-0.02	-125.81
		-125.81	-0.02	-2.43e-05	0.0	326.5	0.50	0.0	7.23e-03	-2.57e-06	0.0	0.0
18	28	0.0	0.0	-0.02	-77.07	0.0	0.43	77.07	8.89e-03	-2.57e-06	-0.03	-125.81
		-125.81	-0.03	-7.56e-05	0.0	326.5	0.43	0.0	8.89e-03	-2.57e-06	0.0	0.0
18	45	0.0	0.0	-6.54e-03	-20.66	0.0	0.05	20.66	3.75e-03	0.0	-0.01	-33.73
		-33.73	-0.01	-6.70e-05	0.0	326.5	0.05	0.0	3.75e-03	0.0	0.0	0.0
18	68	0.0	0.0	-0.02	-63.40	0.0	0.86	63.40	7.57e-03	-2.11e-06	-0.02	-103.50
		-103.50	-0.02	-4.65e-05	0.0	326.5	0.86	0.0	7.57e-03	-2.11e-06	0.0	0.0
18	89	0.0	0.0	-9.88e-03	-31.52	0.0	-6.91e-03	31.52	3.41e-03	-1.05e-06	-0.01	-51.46
		-51.46	-0.01	-1.45e-05	0.0	326.5	-6.91e-03	0.0	3.41e-03	-1.05e-06	0.0	0.0
18	93	0.0	0.0	-6.47e-03	-20.66	0.0	-0.08	20.66	2.15e-03	0.0	-7.04e-03	-33.73
		-33.73	-7.04e-03	-8.59e-06	0.0	326.5	-0.08	0.0	2.15e-03	0.0	0.0	0.0
18	114	0.0	0.07	-9.00e-03	-40.91	0.0	0.80	36.60	-0.02	-1.36e-06	0.07	-83.60
		-83.60	0.0	3.34e-04	0.0	326.5	0.80	-4.31	-0.02	-1.36e-06	0.0	0.0
18	115	1.06	0.0	-0.02	-40.91	0.0	-0.27	45.22	0.03	-1.36e-06	-0.10	-49.96
		-49.96	-0.10	-3.79e-04	0.0	326.5	-0.27	4.31	0.03	-1.36e-06	0.0	0.0
18	118	0.0	0.07	-8.68e-03	-40.91	0.0	0.44	36.98	-0.02	-1.36e-06	0.07	-84.85
		-84.85	0.0	5.40e-05	0.0	326.5	0.44	-3.93	-0.02	-1.36e-06	0.0	0.0
18	119	1.22	0.0	-0.02	-40.91	0.0	0.08	44.83	0.03	-1.36e-06	-0.10	-48.71
		-48.71	-0.10	-9.92e-05	0.0	326.5	0.08	3.93	0.03	-1.36e-06	0.0	0.0
18	137	0.0	0.0	-0.01	-40.91	0.0	3.31	36.81	3.90e-03	-1.36e-06	-0.01	-62.67
		-62.67	-0.01	-2.30e-03	0.0	326.5	3.31	-4.10	3.90e-03	-1.36e-06	0.0	0.0
18	140	0.0	0.0	-0.01	-40.91	0.0	-2.78	45.01	4.60e-03	-1.36e-06	-0.02	-70.90
		-70.90	-0.02	2.25e-03	0.0	326.5	-2.78	4.10	4.60e-03	-1.36e-06	0.0	0.0
18	146	0.0	0.08	-8.53e-03	-40.91	0.0	0.86	36.08	-0.02	-1.36e-06	0.08	-85.63
		-85.63	0.0	3.80e-04	0.0	326.5	0.86	-4.83	-0.02	-1.36e-06	0.0	0.0
18	147	1.31	0.0	-0.02	-40.91	0.0	-0.33	45.74	0.03	-1.36e-06	-0.11	-47.93
		-47.93	-0.11	-4.25e-04	0.0	326.5	-0.33	4.83	0.03	-1.36e-06	0.0	0.0
18	150	0.0	0.08	-8.16e-03	-40.91	0.0	0.45	36.51	-0.02	-1.36e-06	0.08	-87.04
		-87.04	0.0	6.37e-05	0.0	326.5	0.45	-4.40	-0.02	-1.36e-06	0.0	0.0
18	151	1.49	0.0	-0.02	-40.91	0.0	0.07	45.31	0.03	-1.36e-06	-0.11	-46.52
		-46.52	-0.11	-1.09e-04	0.0	326.5	0.07	4.40	0.03	-1.36e-06	0.0	0.0
18	169	0.03	0.0	-0.01	-40.91	0.0	3.70	36.31	3.89e-03	-1.36e-06	-0.01	-62.16
		-62.16	-0.01	-2.59e-03	0.0	326.5	3.70	-4.60	3.89e-03	-1.36e-06	0.0	0.0
18	172	0.0	0.0	-0.01	-40.91	0.0	-3.18	45.51	4.60e-03	-1.36e-06	-0.02	-71.41
		-71.41	-0.02	2.54e-03	0.0	326.5	-3.18	4.60	4.60e-03	-1.36e-06	0.0	0.0
18	178	0.0	0.08	-8.77e-03	-40.91	0.0	0.81	36.46	-0.02	-1.36e-06	0.08	-84.23
		-84.23	0.0	3.82e-04	0.0	326.5	0.81	-4.44	-0.02	-1.36e-06	0.0	0.0
18	179	1.14	0.0	-0.02	-40.91	0.0	-0.28	45.35	0.03	-1.36e-06	-0.11	-49.33
		-49.33	-0.11	-4.27e-04	0.0	326.5	-0.28	4.44	0.03	-1.36e-06	0.0	0.0
18	182	0.0	0.08	-8.42e-03	-40.91	0.0	0.39	36.87	-0.02	-1.36e-06	0.08	-85.54
		-85.54	0.0	6.20e-05	0.0	326.5	0.39	-4.04	-0.02	-1.36e-06	0.0	0.0
18	183	1.30	0.0	-0.02	-40.91	0.0	0.13	44.95	0.03	-1.36e-06	-0.10	-48.02
		-48.02	-0.10	-1.07e-04	0.0	326.5	0.13	4.04	0.03	-1.36e-06	0.0	0.0

18	201	0.02	0.0	-0.01	-40.91	0.0	3.76	36.60	4.11e-03	-1.36e-06	-0.01	-62.31
		-62.31	-0.01	-2.59e-03	0.0	326.5	3.76	-4.31	4.11e-03	-1.36e-06	0.0	0.0
18	204	0.0	0.0	-0.01	-40.91	0.0	-3.24	45.21	4.39e-03	-1.36e-06	-0.01	-71.26
		-71.26	-0.01	2.54e-03	0.0	326.5	-3.24	4.31	4.39e-03	-1.36e-06	0.0	0.0
18	210	0.0	0.09	-8.16e-03	-40.91	0.0	0.88	35.88	-0.03	-1.36e-06	0.09	-86.63
		-86.63	0.0	4.58e-04	0.0	326.5	0.88	-5.03	-0.03	-1.36e-06	0.0	0.0
18	211	1.44	0.0	-0.02	-40.91	0.0	-0.35	45.93	0.04	-1.36e-06	-0.12	-46.94
		-46.94	-0.12	-5.04e-04	0.0	326.5	-0.35	5.03	0.04	-1.36e-06	0.0	0.0
18	214	0.0	0.09	-7.76e-03	-40.91	0.0	0.39	36.34	-0.03	-1.36e-06	0.09	-88.11
		-88.11	0.0	7.61e-05	0.0	326.5	0.39	-4.57	-0.03	-1.36e-06	0.0	0.0
18	215	1.65	0.0	-0.02	-40.91	0.0	0.14	45.48	0.04	-1.36e-06	-0.12	-45.45
		-45.45	-0.12	-1.21e-04	0.0	326.5	0.14	4.57	0.04	-1.36e-06	0.0	0.0
18	233	0.07	0.0	-0.01	-40.91	0.0	4.42	35.97	4.20e-03	-1.36e-06	-0.01	-61.54
		-61.54	-0.01	-3.04e-03	0.0	326.5	4.42	-4.94	4.20e-03	-1.36e-06	0.0	0.0
18	236	0.0	0.0	-0.01	-40.91	0.0	-3.89	45.84	4.29e-03	-1.36e-06	-0.01	-72.02
		-72.02	-0.01	2.99e-03	0.0	326.5	-3.89	4.94	4.29e-03	-1.36e-06	0.0	0.0
18	243	0.0	0.0	-0.02	-53.05	0.0	0.35	53.05	5.03e-03	-1.77e-06	-0.02	-86.61
		-86.61	-0.02	-1.75e-05	0.0	326.5	0.35	0.0	5.03e-03	-1.77e-06	0.0	0.0
18	256	0.0	0.0	-0.02	-53.05	0.0	0.30	53.05	6.13e-03	-1.77e-06	-0.02	-86.61
		-86.61	-0.02	-5.17e-05	0.0	326.5	0.30	0.0	6.13e-03	-1.77e-06	0.0	0.0
18	261	0.0	0.0	-7.16e-03	-22.69	0.0	0.10	22.69	3.55e-03	0.0	-0.01	-37.04
		-37.04	-0.01	-4.99e-05	0.0	326.5	0.10	0.0	3.55e-03	0.0	0.0	0.0
18	276	0.0	0.0	-0.01	-43.94	0.0	0.59	43.94	5.26e-03	-1.46e-06	-0.02	-71.74
		-71.74	-0.02	-3.23e-05	0.0	326.5	0.59	0.0	5.26e-03	-1.46e-06	0.0	0.0
18	285	0.0	0.0	-7.12e-03	-22.69	0.0	7.88e-03	22.69	2.48e-03	0.0	-8.10e-03	-37.04
		-37.04	-8.10e-03	-1.10e-05	0.0	326.5	7.88e-03	0.0	2.48e-03	0.0	0.0	0.0
18	298	0.0	0.0	-0.01	-43.94	0.0	0.28	43.94	4.51e-03	-1.46e-06	-0.01	-71.74
		-71.74	-0.01	-2.40e-05	0.0	326.5	0.28	0.0	4.51e-03	-1.46e-06	0.0	0.0
18	304	0.0	0.0	-7.15e-03	-22.69	0.0	0.15	22.69	2.86e-03	0.0	-9.35e-03	-37.04
		-37.04	-9.35e-03	-2.13e-05	0.0	326.5	0.15	0.0	2.86e-03	0.0	0.0	0.0
18	307	0.0	0.0	-0.01	-40.91	0.0	0.32	40.91	4.33e-03	-1.36e-06	-0.01	-66.78
		-66.78	-0.01	-2.39e-05	0.0	326.5	0.32	0.0	4.33e-03	-1.36e-06	0.0	0.0
18	308	0.0	0.0	-7.14e-03	-22.69	0.0	0.13	22.69	2.65e-03	0.0	-8.65e-03	-37.04
		-37.04	-8.65e-03	-1.35e-05	0.0	326.5	0.13	0.0	2.65e-03	0.0	0.0	0.0
18	309	0.0	0.0	-7.15e-03	-22.69	0.0	0.16	22.69	2.69e-03	0.0	-8.79e-03	-37.04
		-37.04	-8.79e-03	-1.41e-05	0.0	326.5	0.16	0.0	2.69e-03	0.0	0.0	0.0
18	310	0.0	0.0	-0.01	-40.91	0.0	0.26	40.91	4.25e-03	-1.36e-06	-0.01	-66.78
		-66.78	-0.01	-2.26e-05	0.0	326.5	0.26	0.0	4.25e-03	-1.36e-06	0.0	0.0
19	3	0.0	0.0	-0.01	-112.96	0.0	0.50	112.96	5.54e-04	0.0	-1.24e-03	-126.70
		-126.70	-1.24e-03	-1.72e-05	0.0	224.3	0.50	-2.09e-06	5.54e-04	0.0	0.0	0.0
19	4	0.0	0.0	-0.01	-112.96	0.0	0.53	112.96	7.30e-04	0.0	-1.64e-03	-126.70
		-126.70	-1.64e-03	-1.88e-05	0.0	224.3	0.53	-2.09e-06	7.30e-04	0.0	0.0	0.0
19	45	0.0	0.0	-3.27e-03	-29.54	0.0	0.14	29.54	1.03e-04	0.0	-2.31e-04	-33.14
		-33.14	-2.31e-04	-4.47e-05	0.0	224.3	0.14	0.0	1.03e-04	0.0	0.0	0.0
19	68	0.0	0.0	-0.01	-92.66	0.0	0.44	92.66	1.56e-03	0.0	-3.49e-03	-103.94
		-103.94	-3.49e-03	-3.07e-05	0.0	224.3	0.44	-1.53e-06	1.56e-03	0.0	0.0	0.0
19	70	0.0	0.0	-3.50e-03	-29.54	0.0	0.18	29.54	1.38e-03	0.0	-3.09e-03	-33.14
		-33.14	-3.09e-03	-1.62e-05	0.0	224.3	0.18	0.0	1.38e-03	0.0	0.0	0.0
19	93	0.0	3.32e-04	-3.20e-03	-29.54	0.0	0.15	29.54	-1.48e-04	0.0	3.32e-04	-33.14
		-33.14	0.0	-6.01e-06	0.0	224.3	0.15	0.0	-1.48e-04	0.0	0.0	0.0
19	130	0.0	0.03	-4.96e-03	-59.60	0.0	-0.07	65.27	-0.01	0.0	0.03	-79.57
		-79.57	0.0	2.71e-03	0.0	224.3	-0.07	5.67	-0.01	0.0	0.0	0.0
19	131	0.55	0.0	-8.08e-03	-59.60	0.0	0.62	53.93	0.02	0.0	-0.03	-54.14
		-54.14	-0.03	-2.74e-03	0.0	224.3	0.62	-5.67	0.02	0.0	0.0	0.0
19	137	0.0	0.0	-8.93e-03	-59.60	0.0	1.03	65.53	7.98e-03	0.0	-0.02	-80.15
		-80.15	-0.02	-2.16e-03	0.0	224.3	1.03	5.93	7.98e-03	0.0	0.0	0.0
19	140	0.62	0.02	-4.10e-03	-59.60	0.0	-0.48	53.68	-7.30e-03	0.0	0.02	-53.56
		-53.56	0.0	2.13e-03	0.0	224.3	-0.48	-5.93	-7.30e-03	0.0	0.0	0.0
19	141	0.0	0.0	-8.74e-03	-59.60	0.0	1.03	64.99	9.85e-03	0.0	-0.02	-78.94
		-78.94	-0.02	-2.01e-03	0.0	224.3	1.03	5.39	9.85e-03	0.0	0.0	0.0
19	144	0.49	0.02	-4.29e-03	-59.60	0.0	-0.49	54.21	-9.16e-03	0.0	0.02	-54.76
		-54.76	0.0	1.98e-03	0.0	224.3	-0.49	-5.39	-9.16e-03	0.0	0.0	0.0
19	162	0.0	0.04	-4.75e-03	-59.60	0.0	-0.12	65.99	-0.02	0.0	0.04	-81.18
		-81.18	0.0	3.06e-03	0.0	224.3	-0.12	6.38	-0.02	0.0	0.0	0.0
19	163	0.75	0.0	-8.28e-03	-59.60	0.0	0.67	53.22	0.02	0.0	-0.04	-52.53
		-52.53	-0.04	-3.09e-03	0.0	224.3	0.67	-6.38	0.02	0.0	0.0	0.0
19	169	0.0	0.0	-9.25e-03	-59.60	0.0	1.13	66.28	9.01e-03	0.0	-0.02	-81.84
		-81.84	-0.02	-2.43e-03	0.0	224.3	1.13	6.68	9.01e-03	0.0	0.0	0.0
19	172	0.83	0.02	-3.79e-03	-59.60	0.0	-0.58	52.92	-8.32e-03	0.0	0.02	-51.87
		-51.87	0.0	2.40e-03	0.0	224.3	-0.58	-6.68	-8.32e-03	0.0	0.0	0.0
19	173	0.0	0.0	-9.03e-03	-59.60	0.0	1.13	65.68	0.01	0.0	-0.02	-80.49
		-80.49	-0.02	-2.26e-03	0.0	224.3	1.13	6.08	0.01	0.0	0.0	0.0
19	176	0.66	0.02	-4.00e-03	-59.60	0.0	-0.59	53.53	-0.01	0.0	0.02	-53.22
		-53.22	0.0	2.23e-03	0.0	224.3	-0.59	-6.08	-0.01	0.0	0.0	0.0
19	194	0.0	0.04	-4.71e-03	-59.60	0.0	-0.14	65.84	-0.02	0.0	0.04	-80.85

		-80.85	0.0	3.05e-03	0.0	224.3	-0.14	6.24	-0.02	0.0	0.0	0.0
19	195	0.71	0.0	-8.32e-03	-59.60	0.0	0.68	53.36	0.02	0.0	-0.04	-52.86
		-52.86	-0.04	-3.08e-03	0.0	224.3	0.68	-6.24	0.02	0.0	0.0	0.0
19	201	0.0	0.0	-9.28e-03	-59.60	0.0	1.15	66.19	9.39e-03	0.0	-0.02	-81.62
		-81.62	-0.02	-2.43e-03	0.0	224.3	1.15	6.58	9.39e-03	0.0	0.0	0.0
19	204	0.80	0.02	-3.75e-03	-59.60	0.0	-0.60	53.02	-8.70e-03	0.0	0.02	-52.09
		-52.09	0.0	2.40e-03	0.0	224.3	-0.60	-6.58	-8.70e-03	0.0	0.0	0.0
19	205	0.0	0.0	-9.08e-03	-59.60	0.0	1.15	65.61	0.01	0.0	-0.03	-80.33
		-80.33	-0.03	-2.26e-03	0.0	224.3	1.15	6.01	0.01	0.0	0.0	0.0
19	208	0.64	0.02	-3.96e-03	-59.60	0.0	-0.61	53.60	-0.01	0.0	0.02	-53.38
		-53.38	0.0	2.23e-03	0.0	224.3	-0.61	-6.01	-0.01	0.0	0.0	0.0
19	226	0.0	0.05	-4.36e-03	-59.60	0.0	-0.22	66.92	-0.02	0.0	0.05	-83.28
		-83.28	0.0	3.60e-03	0.0	224.3	-0.22	7.32	-0.02	0.0	0.0	0.0
19	227	1.01	0.0	-8.68e-03	-59.60	0.0	0.77	52.28	0.02	0.0	-0.05	-50.43
		-50.43	-0.05	-3.63e-03	0.0	224.3	0.77	-7.32	0.02	0.0	0.0	0.0
19	233	0.0	0.0	-9.79e-03	-59.60	0.0	1.31	67.34	0.01	0.0	-0.03	-84.20
		-84.20	-0.03	-2.85e-03	0.0	224.3	1.31	7.73	0.01	0.0	0.0	0.0
19	236	1.12	0.02	-3.24e-03	-59.60	0.0	-0.76	51.87	-0.01	0.0	0.02	-49.51
		-49.51	0.0	2.82e-03	0.0	224.3	-0.76	-7.73	-0.01	0.0	0.0	0.0
19	237	0.0	0.0	-9.56e-03	-59.60	0.0	1.32	66.66	0.01	0.0	-0.03	-82.69
		-82.69	-0.03	-2.65e-03	0.0	224.3	1.32	7.06	0.01	0.0	0.0	0.0
19	240	0.94	0.03	-3.48e-03	-59.60	0.0	-0.77	52.54	-0.01	0.0	0.03	-51.02
		-51.02	0.0	2.62e-03	0.0	224.3	-0.77	-7.06	-0.01	0.0	0.0	0.0
19	243	0.0	0.0	-8.46e-03	-77.64	0.0	0.35	77.64	3.97e-04	0.0	-8.91e-04	-87.09
		-87.09	-8.91e-04	-1.23e-05	0.0	224.3	0.35	-1.42e-06	3.97e-04	0.0	0.0	0.0
19	244	0.0	0.0	-8.51e-03	-77.64	0.0	0.36	77.64	5.14e-04	0.0	-1.15e-03	-87.09
		-87.09	-1.15e-03	-1.34e-05	0.0	224.3	0.36	-1.42e-06	5.14e-04	0.0	0.0	0.0
19	261	0.0	0.0	-3.60e-03	-32.55	0.0	0.16	32.55	1.93e-04	0.0	-4.32e-04	-36.51
		-36.51	-4.32e-04	-3.33e-05	0.0	224.3	0.16	0.0	1.93e-04	0.0	0.0	0.0
19	262	0.0	0.0	-3.65e-03	-32.55	0.0	0.17	32.55	3.10e-04	0.0	-6.95e-04	-36.51
		-36.51	-6.95e-04	-3.44e-05	0.0	224.3	0.17	0.0	3.10e-04	0.0	0.0	0.0
19	274	0.0	0.0	-3.76e-03	-32.55	0.0	0.18	32.55	1.04e-03	0.0	-2.34e-03	-36.51
		-36.51	-2.34e-03	-1.43e-05	0.0	224.3	0.18	0.0	1.04e-03	0.0	0.0	0.0
19	276	0.0	0.0	-7.15e-03	-64.11	0.0	0.31	64.11	1.06e-03	0.0	-2.39e-03	-71.91
		-71.91	-2.39e-03	-2.14e-05	0.0	224.3	0.31	-1.04e-06	1.06e-03	0.0	0.0	0.0
19	298	0.0	0.0	-7.00e-03	-64.11	0.0	0.29	64.11	3.48e-04	0.0	-7.80e-04	-71.91
		-71.91	-7.80e-04	-1.65e-05	0.0	224.3	0.29	-1.04e-06	3.48e-04	0.0	0.0	0.0
19	304	0.0	0.0	-3.61e-03	-32.55	0.0	0.16	32.55	2.98e-04	0.0	-6.69e-04	-36.51
		-36.51	-6.69e-04	-1.42e-05	0.0	224.3	0.16	0.0	2.98e-04	0.0	0.0	0.0
19	306	0.0	0.0	-3.63e-03	-32.55	0.0	0.17	32.55	4.45e-04	0.0	-9.98e-04	-36.51
		-36.51	-9.98e-04	-1.02e-05	0.0	224.3	0.17	0.0	4.45e-04	0.0	0.0	0.0
19	307	0.0	0.0	-6.54e-03	-59.60	0.0	0.27	59.60	4.64e-04	0.0	-1.04e-03	-66.85
		-66.85	-1.04e-03	-1.62e-05	0.0	224.3	0.27	0.0	4.64e-04	0.0	0.0	0.0
19	309	0.0	0.0	-3.61e-03	-32.55	0.0	0.17	32.55	3.25e-04	0.0	-7.29e-04	-36.51
		-36.51	-7.29e-04	-9.40e-06	0.0	224.3	0.17	0.0	3.25e-04	0.0	0.0	0.0
19	310	0.0	0.0	-6.52e-03	-59.60	0.0	0.27	59.60	3.44e-04	0.0	-7.73e-04	-66.85
		-66.85	-7.73e-04	-1.55e-05	0.0	224.3	0.27	0.0	3.44e-04	0.0	0.0	0.0
20	28	10.43	6.25e-03	-1.76e-04	-15.24	0.0	0.03	15.70	-0.04	9.52e-03	6.25e-03	6.35
		6.35	-0.02	-2.21e-06	0.0	50.6	0.03	0.46	-0.04	9.52e-03	-0.02	10.43
20	48	7.19	5.28e-03	-1.26e-04	-9.90	0.0	-0.42	10.72	-0.03	5.99e-03	5.28e-03	4.28
		4.28	-0.01	-4.57e-06	0.0	50.6	-0.42	0.82	-0.03	5.99e-03	-0.01	7.19
20	52	10.57	5.65e-03	-1.74e-04	-15.24	0.0	0.92	15.59	-0.04	0.01	5.65e-03	6.53
		6.53	-0.02	1.03e-06	0.0	50.6	0.92	0.36	-0.04	0.01	-0.02	10.57
20	65	6.60	3.20e-03	-9.79e-05	-8.18	0.0	1.53	8.69	-0.02	4.92e-03	3.20e-03	4.27
		4.27	-8.70e-03	0.0	0.0	50.6	1.53	0.51	-0.02	4.92e-03	-8.70e-03	6.60
20	93	3.93	1.15e-03	-5.99e-05	-4.96	0.0	-0.15	5.42	-0.01	2.98e-03	1.15e-03	2.44
		2.44	-4.36e-03	0.0	0.0	50.6	-0.15	0.46	-0.01	2.98e-03	-4.36e-03	3.93
20	113	4.45	-0.44	-3.19e-05	-8.54	0.0	5.01	6.24	-2.28	-0.07	-0.44	3.22
		3.22	-1.64	6.67e-05	0.0	50.6	5.01	-2.30	-2.28	-0.07	-1.64	4.32
20	116	7.56	1.62	-1.62e-04	-8.54	0.0	-4.35	11.14	2.23	0.08	0.45	4.19
		4.19	0.45	-6.57e-05	0.0	50.6	-4.35	2.60	2.23	0.08	1.62	7.56
20	119	8.20	1.49	-1.67e-04	-8.54	0.0	0.29	10.87	2.05	0.08	0.49	4.88
		4.88	0.49	-7.89e-05	0.0	50.6	0.29	2.33	2.05	0.08	1.49	8.20
20	137	6.73	-0.08	-8.59e-05	-8.54	0.0	10.91	7.60	-0.93	-6.63e-03	-0.08	4.89
		4.89	-0.66	1.78e-05	0.0	50.6	10.91	-0.94	-0.93	-6.63e-03	-0.66	6.72
20	138	4.05	-0.19	-6.18e-05	-8.54	0.0	-8.48	8.40	-0.40	-0.03	-0.19	2.07
		2.07	-0.29	2.98e-05	0.0	50.6	-8.48	-0.13	-0.40	-0.03	-0.29	4.05
20	140	5.16	0.65	-1.03e-04	-8.54	0.0	-10.25	9.78	0.89	0.02	0.09	2.52
		2.52	0.09	-1.69e-05	0.0	50.6	-10.25	1.25	0.89	0.02	0.65	5.16
20	145	4.29	-0.50	-2.61e-05	-8.54	0.0	5.59	5.94	-2.54	-0.08	-0.50	3.16
		3.16	-1.83	7.43e-05	0.0	50.6	5.59	-2.60	-2.54	-0.08	-1.83	4.13
20	148	7.76	1.82	-1.70e-04	-8.54	0.0	-4.93	11.44	2.50	0.09	0.50	4.25
		4.25	0.50	-7.34e-05	0.0	50.6	-4.93	2.91	2.50	0.09	1.82	7.76
20	151	8.48	1.67	-1.76e-04	-8.54	0.0	0.31	11.14	2.29	0.09	0.55	5.03
		5.03	0.55	-8.84e-05	0.0	50.6	0.31	2.60	2.29	0.09	1.67	8.48

20	169	6.84	-0.09	-8.49e-05	-8.54	0.0	12.29	7.46	-1.04	-8.05e-03	-0.09	5.05
		5.05	-0.74	1.97e-05	0.0	50.6	12.29	-1.07	-1.04	-8.05e-03	-0.74	6.83
20	170	3.81	-0.22	-5.77e-05	-8.54	0.0	-9.64	8.37	-0.44	-0.03	-0.22	1.85
		1.85	-0.32	3.35e-05	0.0	50.6	-9.64	-0.17	-0.44	-0.03	-0.32	3.81
20	172	5.06	0.72	-1.04e-04	-8.54	0.0	-11.63	9.92	1.00	0.02	0.10	2.36
		2.36	0.10	-1.88e-05	0.0	50.6	-11.63	1.38	1.00	0.02	0.72	5.06
20	177	4.33	-0.47	-2.69e-05	-8.54	0.0	5.53	5.98	-2.43	-0.08	-0.47	3.19
		3.19	-1.76	6.97e-05	0.0	50.6	5.53	-2.56	-2.43	-0.08	-1.76	4.17
20	180	7.71	1.74	-1.69e-04	-8.54	0.0	-4.87	11.40	2.38	0.09	0.48	4.22
		4.22	0.48	-6.88e-05	0.0	50.6	-4.87	2.86	2.38	0.09	1.74	7.71
20	183	8.44	1.59	-1.75e-04	-8.54	0.0	0.50	11.10	2.18	0.09	0.53	5.01
		5.01	0.53	-8.51e-05	0.0	50.6	0.50	2.56	2.18	0.09	1.59	8.44
20	201	6.88	-0.09	-8.53e-05	-8.54	0.0	12.51	7.48	-1.00	-7.49e-03	-0.09	5.09
		5.09	-0.72	1.78e-05	0.0	50.6	12.51	-1.05	-1.00	-7.49e-03	-0.72	6.86
20	202	3.80	-0.21	-5.82e-05	-8.54	0.0	-9.93	8.37	-0.41	-0.03	-0.21	1.83
		1.83	-0.30	3.34e-05	0.0	50.6	-9.93	-0.16	-0.41	-0.03	-0.30	3.80
20	204	5.02	0.70	-1.04e-04	-8.54	0.0	-11.85	9.90	0.96	0.02	0.09	2.32
		2.32	0.09	-1.69e-05	0.0	50.6	-11.85	1.36	0.96	0.02	0.70	5.02
20	209	4.12	-0.55	-1.91e-05	-8.54	0.0	6.46	5.52	-2.82	-0.09	-0.55	3.12
		3.12	-2.04	7.97e-05	0.0	50.6	6.46	-3.01	-2.82	-0.09	-2.04	3.89
20	212	7.99	2.03	-1.81e-04	-8.54	0.0	-5.80	11.86	2.78	0.10	0.56	4.29
		4.29	0.56	-7.87e-05	0.0	50.6	-5.80	3.32	2.78	0.10	2.03	7.99
20	215	8.85	1.85	-1.88e-04	-8.54	0.0	0.60	11.50	2.53	0.10	0.61	5.23
		5.23	0.61	-9.90e-05	0.0	50.6	0.60	2.96	2.53	0.10	1.85	8.85
20	233	7.07	-0.10	-8.38e-05	-8.54	0.0	14.78	7.28	-1.17	-9.57e-03	-0.10	5.36
		5.36	-0.83	1.99e-05	0.0	50.6	14.78	-1.26	-1.17	-9.57e-03	-0.83	7.05
20	234	3.42	-0.24	-5.21e-05	-8.54	0.0	-11.88	8.33	-0.47	-0.03	-0.24	1.48
		1.48	-0.34	3.94e-05	0.0	50.6	-11.88	-0.21	-0.47	-0.03	-0.34	3.42
20	236	4.84	0.82	-1.05e-04	-8.54	0.0	-14.12	10.10	1.12	0.02	0.11	2.05
		2.05	0.11	-1.90e-05	0.0	50.6	-14.12	1.57	1.12	0.02	0.82	4.84
20	256	7.27	4.27e-03	-1.22e-04	-10.42	0.0	0.02	10.84	-0.03	6.58e-03	4.27e-03	4.42
		4.42	-0.01	-1.47e-06	0.0	50.6	0.02	0.42	-0.03	6.58e-03	-0.01	7.27
20	264	6.58	4.22e-03	-1.11e-04	-9.01	0.0	-0.10	9.62	-0.03	5.34e-03	4.22e-03	3.99
		3.99	-9.41e-03	-2.90e-06	0.0	50.6	-0.10	0.62	-0.03	5.34e-03	-9.41e-03	6.58
20	268	7.36	3.87e-03	-1.22e-04	-10.42	0.0	0.61	10.77	-0.03	7.00e-03	3.87e-03	4.55
		4.55	-0.01	0.0	0.0	50.6	0.61	0.36	-0.03	7.00e-03	-0.01	7.36
20	273	4.72	2.24e-03	-7.05e-05	-5.71	0.0	1.02	6.17	-0.02	3.52e-03	2.24e-03	3.04
		3.04	-6.19e-03	0.0	0.0	50.6	1.02	0.46	-0.02	3.52e-03	-6.19e-03	4.72
20	285	4.41	1.46e-03	-6.63e-05	-5.71	0.0	0.08	6.09	-0.01	3.33e-03	1.46e-03	2.77
		2.77	-5.05e-03	0.0	0.0	50.6	0.08	0.38	-0.01	3.33e-03	-5.05e-03	4.41
20	298	6.18	2.95e-03	-9.91e-05	-9.01	0.0	0.32	9.12	-0.02	5.75e-03	2.95e-03	3.85
		3.85	-9.19e-03	0.0	0.0	50.6	0.32	0.11	-0.02	5.75e-03	-9.19e-03	6.18
20	305	5.95	3.01e-03	-9.54e-05	-8.54	0.0	0.26	8.72	-0.02	5.30e-03	3.01e-03	3.70
		3.70	-8.65e-03	0.0	0.0	50.6	0.26	0.19	-0.02	5.30e-03	-8.65e-03	5.95
20	306	4.55	1.82e-03	-6.83e-05	-5.71	0.0	0.52	6.13	-0.01	3.42e-03	1.82e-03	2.90
		2.90	-5.58e-03	0.0	0.0	50.6	0.52	0.42	-0.01	3.42e-03	-5.58e-03	4.55
20	308	4.49	1.67e-03	-6.74e-05	-5.71	0.0	0.33	6.11	-0.01	3.38e-03	1.67e-03	2.84
		2.84	-5.35e-03	0.0	0.0	50.6	0.33	0.40	-0.01	3.38e-03	-5.35e-03	4.49
20	309	4.51	1.72e-03	-6.77e-05	-5.71	0.0	0.39	6.12	-0.01	3.40e-03	1.72e-03	2.86
		2.86	-5.43e-03	0.0	0.0	50.6	0.39	0.41	-0.01	3.40e-03	-5.43e-03	4.51
20	310	5.94	2.77e-03	-9.46e-05	-8.54	0.0	0.33	8.69	-0.02	5.41e-03	2.77e-03	3.71
		3.71	-8.65e-03	0.0	0.0	50.6	0.33	0.15	-0.02	5.41e-03	-8.65e-03	5.94
21	52	13.81	-0.02	-8.13e-05	-15.24	0.0	2.70	13.97	-0.03	0.02	-0.02	10.57
		10.57	-0.03	0.0	0.0	50.6	2.70	-1.27	-0.03	0.02	-0.03	13.78
21	69	5.60	-6.32e-03	-2.76e-05	-4.96	0.0	0.77	4.86	-0.01	6.03e-03	-6.32e-03	4.40
		4.40	-0.01	0.0	0.0	50.6	0.77	-0.10	-0.01	6.03e-03	-0.01	5.60
21	76	13.42	-0.02	-7.83e-05	-15.24	0.0	3.21	13.74	-0.02	0.02	-0.02	10.29
		10.29	-0.03	0.0	0.0	50.6	3.21	-1.50	-0.02	0.02	-0.03	13.38
21	93	4.95	-4.59e-03	-2.30e-05	-4.96	0.0	1.63	4.46	-5.85e-03	5.16e-03	-4.59e-03	3.93
		3.93	-8.13e-03	0.0	0.0	50.6	1.63	-0.50	-5.85e-03	5.16e-03	-8.13e-03	4.94
21	113	4.86	-1.59	2.78e-05	-8.54	0.0	4.07	4.27	0.09	-0.04	-1.63	4.32
		4.32	-1.63	-7.37e-05	0.0	50.6	4.07	-4.26	0.09	-0.04	-1.59	4.32
21	116	10.92	1.61	-1.02e-04	-8.54	0.0	-0.41	10.89	-0.11	0.06	1.61	7.56
		7.56	1.55	7.29e-05	0.0	50.6	-0.41	2.36	-0.11	0.06	1.55	10.92
21	118	4.11	-1.45	3.43e-05	-8.54	0.0	6.69	3.73	0.10	-0.04	-1.50	3.69
		3.43	-1.50	-4.92e-05	0.0	50.6	6.69	-4.81	0.10	-0.04	-1.45	3.43
21	119	11.81	1.48	-1.08e-04	-8.54	0.0	-3.03	11.44	-0.13	0.06	1.48	8.20
		8.20	1.42	4.84e-05	0.0	50.6	-3.03	2.90	-0.13	0.06	1.42	11.81
21	138	4.92	-0.28	-1.71e-05	-8.54	0.0	8.29	5.38	0.04	-0.01	-0.28	4.05
		4.05	-0.28	6.23e-06	0.0	50.6	8.29	-3.15	0.04	-0.01	-0.28	4.64
21	139	10.60	0.27	-7.18e-05	-8.54	0.0	-4.64	9.78	-0.07	0.03	0.27	7.83
		7.83	0.24	-6.56e-06	0.0	50.6	-4.64	1.25	-0.07	0.03	0.24	10.60
21	145	4.57	-1.77	3.58e-05	-8.54	0.0	4.33	3.87	0.10	-0.05	-1.82	4.13
		3.92	-1.82	-8.31e-05	0.0	50.6	4.33	-4.67	0.10	-0.05	-1.77	3.92
21	148	11.32	1.81	-1.10e-04	-8.54	0.0	-0.68	11.30	-0.13	0.06	1.81	7.76

		7.76	1.74	8.23e-05	0.0	50.6	-0.68	2.76	-0.13	0.06	1.74	11.32
21	150	3.73	-1.62	4.31e-05	-8.54	0.0	7.29	3.25	0.12	-0.04	-1.67	3.41
		2.92	-1.67	-5.53e-05	0.0	50.6	7.29	-5.28	0.12	-0.04	-1.62	2.92
21	151	12.33	1.66	-1.17e-04	-8.54	0.0	-3.64	11.91	-0.14	0.06	1.66	8.48
		8.48	1.59	5.44e-05	0.0	50.6	-3.64	3.38	-0.14	0.06	1.59	12.33
21	170	4.60	-0.31	-1.47e-05	-8.54	0.0	9.13	5.11	0.05	-0.01	-0.32	3.81
		3.81	-0.32	7.16e-06	0.0	50.6	9.13	-3.43	0.05	-0.01	-0.31	4.26
21	171	10.98	0.30	-7.58e-05	-8.54	0.0	-5.48	10.06	-0.07	0.03	0.30	8.08
		8.08	0.27	-7.50e-06	0.0	50.6	-5.48	1.52	-0.07	0.03	0.27	10.98
21	177	4.63	-1.69	3.46e-05	-8.54	0.0	4.21	3.93	0.10	-0.04	-1.74	4.17
		4.00	-1.74	-8.41e-05	0.0	50.6	4.21	-4.60	0.10	-0.04	-1.69	4.00
21	180	11.24	1.73	-1.09e-04	-8.54	0.0	-0.56	11.23	-0.12	0.06	1.73	7.71
		7.71	1.66	8.32e-05	0.0	50.6	-0.56	2.70	-0.12	0.06	1.66	11.24
21	182	3.78	-1.55	4.19e-05	-8.54	0.0	7.24	3.32	0.11	-0.04	-1.59	3.45
		2.99	-1.59	-5.47e-05	0.0	50.6	7.24	-5.22	0.11	-0.04	-1.55	2.99
21	183	12.25	1.58	-1.16e-04	-8.54	0.0	-3.59	11.85	-0.14	0.06	1.58	8.44
		8.44	1.51	5.39e-05	0.0	50.6	-3.59	3.31	-0.14	0.06	1.51	12.25
21	202	4.59	-0.29	-1.48e-05	-8.54	0.0	9.25	5.12	0.05	-0.01	-0.30	3.80
		3.80	-0.30	7.78e-06	0.0	50.6	9.25	-3.42	0.05	-0.01	-0.29	4.25
21	203	10.99	0.28	-7.56e-05	-8.54	0.0	-5.59	10.05	-0.07	0.03	0.28	8.08
		8.08	0.25	-8.21e-06	0.0	50.6	-5.59	1.51	-0.07	0.03	0.25	10.99
21	209	4.22	-1.97	4.66e-05	-8.54	0.0	4.55	3.33	0.12	-0.05	-2.03	3.89
		3.42	-2.03	-9.96e-05	0.0	50.6	4.55	-5.21	0.12	-0.05	-1.97	3.42
21	212	11.82	2.01	-1.21e-04	-8.54	0.0	-0.90	11.84	-0.14	0.07	2.01	7.99
		7.99	1.94	9.88e-05	0.0	50.6	-0.90	3.30	-0.14	0.07	1.94	11.82
21	214	3.24	-1.80	5.51e-05	-8.54	0.0	8.17	2.61	0.13	-0.05	-1.85	3.03
		2.21	-1.85	-6.39e-05	0.0	50.6	8.17	-5.93	0.13	-0.05	-1.80	2.21
21	215	13.03	1.83	-1.29e-04	-8.54	0.0	-4.51	12.56	-0.16	0.07	1.83	8.85
		8.85	1.76	6.31e-05	0.0	50.6	-4.51	4.02	-0.16	0.07	1.76	13.03
21	234	4.08	-0.33	-1.13e-05	-8.54	0.0	10.62	4.69	0.06	-0.02	-0.34	3.42
		3.42	-0.34	9.70e-06	0.0	50.6	10.62	-3.85	0.06	-0.02	-0.33	3.66
21	235	11.58	0.32	-8.19e-05	-8.54	0.0	-6.96	10.48	-0.08	0.03	0.32	8.47
		8.47	0.29	-1.02e-05	0.0	50.6	-6.96	1.94	-0.08	0.03	0.29	11.58
21	268	9.62	-0.01	-5.64e-05	-10.42	0.0	1.89	9.64	-0.02	0.01	-0.01	7.36
		7.36	-0.02	0.0	0.0	50.6	1.89	-0.78	-0.02	0.01	-0.02	9.60
21	273	5.97	-6.47e-03	-2.86e-05	-5.71	0.0	1.13	5.32	-0.01	6.41e-03	-6.47e-03	4.72
		4.72	-0.01	0.0	0.0	50.6	1.13	-0.40	-0.01	6.41e-03	-0.01	5.96
21	280	9.36	-0.01	-5.44e-05	-10.42	0.0	2.24	9.48	-0.02	0.01	-0.01	7.18
		7.18	-0.02	0.0	0.0	50.6	2.24	-0.94	-0.02	0.01	-0.02	9.34
21	285	5.54	-5.31e-03	-2.56e-05	-5.71	0.0	1.70	5.05	-7.31e-03	5.82e-03	-5.31e-03	4.41
		4.41	-9.67e-03	0.0	0.0	50.6	1.70	-0.66	-7.31e-03	5.82e-03	-9.67e-03	5.52
21	298	7.97	-9.64e-03	-4.39e-05	-9.01	0.0	1.88	7.99	-0.01	0.01	-9.64e-03	6.18
		6.18	-0.02	0.0	0.0	50.6	1.88	-1.02	-0.01	0.01	-0.02	7.95
21	306	5.74	-5.85e-03	-2.70e-05	-5.71	0.0	1.43	5.18	-9.05e-03	6.09e-03	-5.85e-03	4.55
		4.55	-0.01	0.0	0.0	50.6	1.43	-0.54	-9.05e-03	6.09e-03	-0.01	5.73
21	308	5.65	-5.62e-03	-2.63e-05	-5.71	0.0	1.55	5.12	-8.30e-03	5.98e-03	-5.62e-03	4.49
		4.49	-0.01	0.0	0.0	50.6	1.55	-0.59	-8.30e-03	5.98e-03	-0.01	5.64
21	309	5.68	-5.70e-03	-2.66e-05	-5.71	0.0	1.51	5.14	-8.55e-03	6.02e-03	-5.70e-03	4.51
		4.51	-0.01	0.0	0.0	50.6	1.51	-0.57	-8.55e-03	6.02e-03	-0.01	5.67
21	310	7.65	-9.08e-03	-4.14e-05	-8.54	0.0	1.83	7.58	-0.01	9.57e-03	-9.08e-03	5.94
		5.94	-0.02	0.0	0.0	50.6	1.83	-0.95	-0.01	9.57e-03	-0.02	7.62
22	19	5.30	-6.10e-03	4.33e-05	-4.96	0.0	1.31	2.25	7.55e-03	7.51e-03	-8.97e-03	5.05
		4.93	-8.97e-03	1.34e-06	0.0	50.6	1.31	-2.71	7.55e-03	7.51e-03	-6.10e-03	4.93
22	52	15.04	-0.03	8.58e-05	-15.24	0.0	2.18	8.70	0.01	0.02	-0.03	13.78
		13.78	-0.03	-4.17e-06	0.0	50.6	2.18	-6.54	0.01	0.02	-0.03	14.33
22	69	5.94	-0.01	4.15e-05	-4.96	0.0	-0.68	2.60	2.02e-03	8.14e-03	-0.01	5.60
		5.60	-0.01	-1.35e-06	0.0	50.6	-0.68	-2.36	2.02e-03	8.14e-03	-0.01	5.66
22	92	12.82	-0.02	7.93e-05	-13.12	0.0	4.17	7.17	0.01	0.02	-0.03	11.83
		11.83	-0.03	-3.49e-06	0.0	50.6	4.17	-5.95	0.01	0.02	-0.02	12.14
22	93	5.22	-6.59e-03	4.02e-05	-4.96	0.0	2.46	2.37	5.40e-03	6.57e-03	-8.49e-03	4.94
		4.88	-8.49e-03	-1.25e-06	0.0	50.6	2.46	-2.59	5.40e-03	6.57e-03	-6.59e-03	4.88
22	113	4.32	-0.38	1.11e-04	-8.54	0.0	7.44	-0.64	2.16	0.03	-1.58	4.32
		1.85	-1.58	-2.09e-04	0.0	50.6	7.44	-9.18	2.16	0.03	-0.38	1.85
22	116	13.72	1.55	-2.60e-05	-8.54	0.0	-3.48	9.82	-2.15	-9.98e-03	1.55	10.92
		10.92	0.35	2.04e-04	0.0	50.6	-3.48	1.29	-2.15	-9.98e-03	0.35	13.72
22	118	3.43	-0.34	1.18e-04	-8.54	0.0	17.29	-1.87	2.35	0.03	-1.45	3.43
		0.33	-1.45	-1.73e-04	0.0	50.6	17.29	-10.41	2.35	0.03	-0.34	0.33
22	119	15.23	1.42	-3.10e-05	-8.54	0.0	-13.33	11.06	-2.33	-5.74e-03	1.42	11.81
		11.81	0.31	1.69e-04	0.0	50.6	-13.33	2.52	-2.33	-5.74e-03	0.31	15.23
22	138	4.64	-0.06	8.56e-05	-8.54	0.0	25.36	0.24	0.95	0.01	-0.28	4.64
		2.61	-0.28	-1.92e-05	0.0	50.6	25.36	-8.29	0.95	0.01	-0.06	2.61
22	139	12.96	0.24	2.02e-05	-8.54	0.0	-21.39	8.94	-0.93	0.01	0.24	10.60
		10.60	0.03	1.48e-05	0.0	50.6	-21.39	0.40	-0.93	0.01	0.03	12.96
22	145	3.92	-0.43	1.18e-04	-8.54	0.0	8.07	-1.28	2.42	0.04	-1.77	3.92
		1.12	-1.77	-2.35e-04	0.0	50.6	8.07	-9.82	2.42	0.04	-0.43	1.12

22	148	14.44	1.73	-3.06e-05	-8.54	0.0	-4.11	10.46	-2.40	-0.01	1.73	11.32
		11.32	0.40	2.30e-04	0.0	50.6	-4.11	1.93	-2.40	-0.01	0.40	14.44
22	150	2.92	-0.38	1.26e-04	-8.54	0.0	19.20	-2.67	2.63	0.03	-1.62	2.92
		-0.59	-1.62	-1.94e-04	0.0	50.6	19.20	-11.21	2.63	0.03	-0.38	-0.59
22	151	16.15	1.59	-3.63e-05	-8.54	0.0	-15.24	11.85	-2.61	-7.73e-03	1.59	12.33
		12.33	0.35	1.90e-04	0.0	50.6	-15.24	3.32	-2.61	-7.73e-03	0.35	16.15
22	170	4.26	-0.06	8.97e-05	-8.54	0.0	28.39	-0.31	1.06	0.01	-0.31	4.26
		1.95	-0.31	-2.09e-05	0.0	50.6	28.39	-8.84	1.06	0.01	-0.06	1.95
22	171	13.61	0.27	1.61e-05	-8.54	0.0	-24.43	9.49	-1.05	0.01	0.27	10.98
		10.98	0.03	1.65e-05	0.0	50.6	-24.43	0.95	-1.05	0.01	0.03	13.61
22	177	4.00	-0.41	1.17e-04	-8.54	0.0	7.68	-1.16	2.30	0.03	-1.69	4.00
		1.26	-1.69	-2.32e-04	0.0	50.6	7.68	-9.70	2.30	0.03	-0.41	1.26
22	180	14.31	1.66	-2.99e-05	-8.54	0.0	-3.71	10.35	-2.28	-0.01	1.66	11.24
		11.24	0.38	2.28e-04	0.0	50.6	-3.71	1.81	-2.28	-0.01	0.38	14.31
22	182	2.99	-0.36	1.25e-04	-8.54	0.0	19.07	-2.57	2.51	0.03	-1.54	2.99
		-0.46	-1.54	-1.90e-04	0.0	50.6	19.07	-11.11	2.51	0.03	-0.36	-0.46
22	183	16.03	1.51	-3.56e-05	-8.54	0.0	-15.11	11.75	-2.49	-5.43e-03	1.51	12.25
		12.25	0.33	1.86e-04	0.0	50.6	-15.11	3.22	-2.49	-5.43e-03	0.33	16.03
22	202	4.25	-0.06	8.96e-05	-8.54	0.0	28.85	-0.32	1.02	0.01	-0.29	4.25
		1.94	-0.29	-1.84e-05	0.0	50.6	28.85	-8.86	1.02	0.01	-0.06	1.94
22	203	13.63	0.25	1.62e-05	-8.54	0.0	-24.88	9.50	-1.00	0.01	0.25	10.99
		10.99	0.03	1.40e-05	0.0	50.6	-24.88	0.97	-1.00	0.01	0.03	13.63
22	209	3.42	-0.47	1.28e-04	-8.54	0.0	8.44	-2.10	2.67	0.04	-1.97	3.42
		0.20	-1.97	-2.72e-04	0.0	50.6	8.44	-10.64	2.67	0.04	-0.47	0.20
22	212	15.37	1.93	-3.70e-05	-8.54	0.0	-4.48	11.28	-2.65	-0.01	1.93	11.82
		11.82	0.44	2.68e-04	0.0	50.6	-4.48	2.75	-2.65	-0.01	0.44	15.37
22	214	2.21	-0.42	1.37e-04	-8.54	0.0	22.03	-3.77	2.91	0.03	-1.79	2.21
		-1.84	-1.79	-2.21e-04	0.0	50.6	22.03	-12.31	2.91	0.03	-0.42	-1.84
22	215	17.41	1.76	-4.41e-05	-8.54	0.0	-18.06	12.95	-2.90	-8.16e-03	1.76	13.03
		13.03	0.39	2.17e-04	0.0	50.6	-18.06	4.42	-2.90	-8.16e-03	0.39	17.41
22	234	3.66	-0.06	9.59e-05	-8.54	0.0	33.83	-1.19	1.19	0.01	-0.33	3.66
		0.90	-0.33	-2.00e-05	0.0	50.6	33.83	-9.73	1.19	0.01	-0.06	0.90
22	235	14.67	0.29	-1.94e-05	-8.54	0.0	-29.86	10.37	-1.17	0.01	0.29	11.58
		11.58	0.03	1.56e-05	0.0	50.6	-29.86	1.84	-1.17	0.01	0.03	14.67
22	248	5.90	-7.98e-03	4.73e-05	-5.71	0.0	1.49	2.64	6.82e-03	8.10e-03	-0.01	5.59
		5.49	-0.01	0.0	0.0	50.6	1.49	-3.07	6.82e-03	8.10e-03	-7.98e-03	5.49
22	268	10.46	-0.02	6.00e-05	-10.42	0.0	1.57	5.95	9.16e-03	0.02	-0.02	9.60
		9.60	-0.02	-2.90e-06	0.0	50.6	1.57	-4.47	9.16e-03	0.02	-0.02	9.98
22	273	6.33	-0.01	4.61e-05	-5.71	0.0	0.16	2.88	3.14e-03	8.52e-03	-0.01	5.96
		5.96	-0.01	-1.43e-06	0.0	50.6	0.16	-2.84	3.14e-03	8.52e-03	-0.01	5.97
22	285	5.85	-8.31e-03	4.53e-05	-5.71	0.0	2.26	2.72	5.39e-03	7.47e-03	-0.01	5.52
		5.45	-0.01	-1.36e-06	0.0	50.6	2.26	-2.99	5.39e-03	7.47e-03	-8.31e-03	5.45
22	288	8.98	-0.02	5.57e-05	-9.01	0.0	2.89	4.93	9.25e-03	0.01	-0.02	8.30
		8.30	-0.02	-2.44e-06	0.0	50.6	2.89	-4.08	9.25e-03	0.01	-0.02	8.52
22	298	8.62	-0.02	5.41e-05	-9.01	0.0	2.05	4.89	8.27e-03	0.01	-0.02	7.95
		7.95	-0.02	-2.33e-06	0.0	50.6	2.05	-4.11	8.27e-03	0.01	-0.02	8.14
22	302	5.99	-9.44e-03	4.59e-05	-5.71	0.0	1.54	2.75	5.08e-03	7.88e-03	-0.01	5.65
		5.60	-0.01	-1.03e-06	0.0	50.6	1.54	-2.96	5.08e-03	7.88e-03	-9.44e-03	5.60
22	306	6.07	-0.01	4.57e-05	-5.71	0.0	1.28	2.80	4.34e-03	7.96e-03	-0.01	5.73
		5.70	-0.01	-1.39e-06	0.0	50.6	1.28	-2.92	4.34e-03	7.96e-03	-0.01	5.70
22	308	5.98	-9.50e-03	4.55e-05	-5.71	0.0	1.70	2.76	4.79e-03	7.75e-03	-0.01	5.64
		5.59	-0.01	-1.38e-06	0.0	50.6	1.70	-2.95	4.79e-03	7.75e-03	-9.50e-03	5.59
22	309	6.01	-9.80e-03	4.55e-05	-5.71	0.0	1.56	2.77	4.64e-03	7.82e-03	-0.01	5.67
		5.63	-0.01	-1.38e-06	0.0	50.6	1.56	-2.94	4.64e-03	7.82e-03	-9.80e-03	5.63
22	310	8.24	-0.02	5.29e-05	-8.54	0.0	1.98	4.59	7.75e-03	0.01	-0.02	7.62
		7.62	-0.02	-2.20e-06	0.0	50.6	1.98	-3.94	7.75e-03	0.01	-0.02	7.78
23	4	-1.30	0.01	1.54e-04	-31.10	0.0	-2.59	57.58	-0.06	0.0	0.01	-62.24
		-62.24	-0.08	-2.79e-05	0.0	145.0	-2.59	26.48	-0.06	0.0	-0.08	-1.30
23	33	-1.71	6.75e-03	8.07e-05	-40.49	0.0	-1.25	75.46	-0.03	0.0	6.75e-03	-81.77
		-81.77	-0.04	-3.16e-05	0.0	145.0	-1.25	34.97	-0.03	0.0	-0.04	-1.71
23	45	-0.66	1.78e-03	-3.31e-05	-14.85	0.0	-0.43	28.25	-5.91e-03	0.0	1.78e-03	-30.86
		-30.86	-6.79e-03	-3.32e-05	0.0	145.0	-0.43	13.41	-5.91e-03	0.0	-6.79e-03	-0.66
23	52	-1.29	0.01	1.61e-04	-31.10	0.0	-2.77	57.52	-0.05	0.0	0.01	-62.15
		-62.15	-0.07	-3.82e-05	0.0	145.0	-2.77	26.42	-0.05	0.0	-0.07	-1.29
23	71	-0.61	5.50e-03	1.20e-04	-14.85	0.0	-2.06	27.31	-0.03	0.0	5.50e-03	-29.44
		-29.44	-0.03	-2.89e-05	0.0	145.0	-2.06	12.46	-0.03	0.0	-0.03	-0.61
23	76	-1.31	0.01	1.29e-04	-31.10	0.0	-2.35	57.85	-0.06	0.0	0.01	-62.65
		-62.65	-0.08	-3.32e-05	0.0	145.0	-2.35	26.75	-0.06	0.0	-0.08	-1.31
23	114	-0.54	0.04	2.61e-04	-15.89	0.0	-15.11	26.78	-0.27	0.0	0.04	-27.85
		-27.85	-0.35	6.11e-04	0.0	145.0	-15.11	10.89	-0.27	0.0	-0.35	-0.54
23	115	-0.81	0.27	-1.43e-04	-15.89	0.0	12.50	32.45	0.20	0.0	-0.03	-36.34
		-36.34	-0.03	-6.47e-04	0.0	145.0	12.50	16.56	0.20	0.0	0.27	-0.81
23	118	-0.54	0.04	2.54e-04	-15.89	0.0	-14.27	26.81	-0.28	0.0	0.04	-27.89
		-27.89	-0.36	3.35e-04	0.0	145.0	-14.27	10.92	-0.28	0.0	-0.36	-0.54
23	119	-0.81	0.28	-1.36e-04	-15.89	0.0	11.67	32.42	0.21	0.0	-0.03	-36.30

		-36.30	-0.03	-3.72e-04	0.0	145.0	11.67	16.53	0.21	0.0	0.28	-0.81
23	125	-0.42	-1.16e-03	4.84e-04	-15.89	0.0	-6.06	24.48	-0.14	0.0	-1.16e-03	-24.40
		-24.40	-0.20	-6.94e-04	0.0	145.0	-6.06	8.59	-0.14	0.0	-0.20	-0.42
23	128	-0.92	0.12	-3.66e-04	-15.89	0.0	3.46	34.75	0.07	0.0	0.01	-39.79
		-39.79	0.01	6.57e-04	0.0	145.0	3.46	18.86	0.07	0.0	0.12	-0.92
23	146	-0.52	0.05	2.86e-04	-15.89	0.0	-16.82	26.44	-0.30	0.0	0.05	-27.33
		-27.33	-0.39	6.90e-04	0.0	145.0	-16.82	10.55	-0.30	0.0	-0.39	-0.52
23	147	-0.83	0.31	-1.68e-04	-15.89	0.0	14.21	32.79	0.23	0.0	-0.03	-36.85
		-36.85	-0.03	-7.27e-04	0.0	145.0	14.21	16.90	0.23	0.0	0.31	-0.83
23	150	-0.52	0.05	2.78e-04	-15.89	0.0	-15.86	26.47	-0.31	0.0	0.05	-27.38
		-27.38	-0.40	3.80e-04	0.0	145.0	-15.86	10.58	-0.31	0.0	-0.40	-0.52
23	151	-0.83	0.32	-1.60e-04	-15.89	0.0	13.26	32.76	0.24	0.0	-0.03	-36.81
		-36.81	-0.03	-4.16e-04	0.0	145.0	13.26	16.87	0.24	0.0	0.32	-0.83
23	157	-0.39	-2.20e-03	5.37e-04	-15.89	0.0	-6.64	23.84	-0.15	0.0	-2.20e-03	-23.43
		-23.43	-0.22	-7.79e-04	0.0	145.0	-6.64	7.95	-0.15	0.0	-0.22	-0.39
23	160	-0.95	0.14	-4.19e-04	-15.89	0.0	4.03	35.39	0.08	0.0	0.01	-40.75
		-40.75	0.01	7.42e-04	0.0	145.0	4.03	19.50	0.08	0.0	0.14	-0.95
23	178	-0.52	0.05	2.80e-04	-15.89	0.0	-16.62	26.52	-0.29	0.0	0.05	-27.45
		-27.45	-0.38	6.87e-04	0.0	145.0	-16.62	10.63	-0.29	0.0	-0.38	-0.52
23	179	-0.82	0.30	-1.62e-04	-15.89	0.0	14.02	32.71	0.23	0.0	-0.03	-36.74
		-36.74	-0.03	-7.23e-04	0.0	145.0	14.02	16.82	0.23	0.0	0.30	-0.82
23	182	-0.52	0.04	2.73e-04	-15.89	0.0	-15.62	26.53	-0.30	0.0	0.04	-27.48
		-27.48	-0.39	3.76e-04	0.0	145.0	-15.62	10.65	-0.30	0.0	-0.39	-0.52
23	183	-0.82	0.31	-1.55e-04	-15.89	0.0	13.01	32.69	0.24	0.0	-0.03	-36.71
		-36.71	-0.03	-4.13e-04	0.0	145.0	13.01	16.80	0.24	0.0	0.31	-0.82
23	189	-0.40	-2.72e-03	5.35e-04	-15.89	0.0	-6.45	23.88	-0.14	0.0	-2.72e-03	-23.50
		-23.50	-0.21	-7.76e-04	0.0	145.0	-6.45	7.99	-0.14	0.0	-0.21	-0.40
23	192	-0.95	0.13	-4.17e-04	-15.89	0.0	3.84	35.35	0.08	0.0	0.02	-40.69
		-40.69	0.02	7.40e-04	0.0	145.0	3.84	19.46	0.08	0.0	0.13	-0.95
23	210	-0.50	0.05	3.15e-04	-15.89	0.0	-19.24	26.02	-0.34	0.0	0.05	-26.71
		-26.71	-0.44	8.10e-04	0.0	145.0	-19.24	10.13	-0.34	0.0	-0.44	-0.50
23	211	-0.85	0.36	-1.97e-04	-15.89	0.0	16.63	33.21	0.27	0.0	-0.04	-37.48
		-37.48	-0.04	-8.46e-04	0.0	145.0	16.63	17.32	0.27	0.0	0.36	-0.85
23	214	-0.50	0.05	3.08e-04	-15.89	0.0	-17.99	26.03	-0.35	0.0	0.05	-26.72
		-26.72	-0.45	4.44e-04	0.0	145.0	-17.99	10.14	-0.35	0.0	-0.45	-0.50
23	215	-0.85	0.37	-1.90e-04	-15.89	0.0	15.39	33.20	0.28	0.0	-0.04	-37.47
		-37.47	-0.04	-4.80e-04	0.0	145.0	15.39	17.31	0.28	0.0	0.37	-0.85
23	217	-0.35	-6.21e-03	6.08e-04	-15.89	0.0	-5.97	22.91	-0.17	0.0	-6.21e-03	-22.05
		-22.05	-0.25	-1.27e-03	0.0	145.0	-5.97	7.02	-0.17	0.0	-0.25	-0.35
23	224	-1.00	0.16	-4.97e-04	-15.89	0.0	4.61	36.32	0.10	0.0	0.02	-42.14
		-42.14	0.02	8.71e-04	0.0	145.0	4.61	20.43	0.10	0.0	0.16	-1.00
23	244	-0.93	8.94e-03	1.01e-04	-22.15	0.0	-1.79	41.05	-0.05	0.0	8.94e-03	-44.39
		-44.39	-0.06	-1.97e-05	0.0	145.0	-1.79	18.90	-0.05	0.0	-0.06	-0.93
23	257	-1.20	4.79e-03	5.60e-05	-28.42	0.0	-0.90	52.97	-0.02	0.0	4.79e-03	-57.41
		-57.41	-0.03	-2.21e-05	0.0	145.0	-0.90	24.55	-0.02	0.0	-0.03	-1.20
23	261	-0.69	2.84e-03	2.61e-05	-15.89	0.0	-0.61	30.00	-0.01	0.0	2.84e-03	-32.67
		-32.67	-0.02	-2.61e-05	0.0	145.0	-0.61	14.11	-0.01	0.0	-0.02	-0.69
23	268	-0.92	7.70e-03	1.06e-04	-22.15	0.0	-1.91	41.01	-0.04	0.0	7.70e-03	-44.33
		-44.33	-0.05	-2.65e-05	0.0	145.0	-1.91	18.86	-0.04	0.0	-0.05	-0.92
23	275	-0.66	5.32e-03	8.93e-05	-15.89	0.0	-1.70	29.37	-0.03	0.0	5.32e-03	-31.72
		-31.72	-0.03	-2.32e-05	0.0	145.0	-1.70	13.48	-0.03	0.0	-0.03	-0.66
23	280	-0.93	8.96e-03	8.51e-05	-22.15	0.0	-1.63	41.23	-0.04	0.0	8.96e-03	-44.66
		-44.66	-0.06	-2.32e-05	0.0	145.0	-1.63	19.08	-0.04	0.0	-0.06	-0.93
23	298	-0.67	6.73e-03	6.59e-05	-15.89	0.0	-1.38	29.61	-0.03	0.0	6.73e-03	-32.09
		-32.09	-0.04	-1.95e-05	0.0	145.0	-1.38	13.72	-0.03	0.0	-0.04	-0.67
23	299	-0.78	4.44e-03	4.11e-05	-18.39	0.0	-0.86	34.26	-0.02	0.0	4.44e-03	-37.12
		-37.12	-0.03	-1.12e-05	0.0	145.0	-0.86	15.86	-0.02	0.0	-0.03	-0.78
23	304	-0.68	3.89e-03	3.37e-05	-15.89	0.0	-0.78	29.71	-0.02	0.0	3.89e-03	-32.23
		-32.23	-0.03	-1.38e-05	0.0	145.0	-0.78	13.82	-0.02	0.0	-0.03	-0.68
23	307	-0.67	6.08e-03	6.37e-05	-15.89	0.0	-1.37	29.57	-0.03	0.0	6.08e-03	-32.02
		-32.02	-0.04	-1.90e-05	0.0	145.0	-1.37	13.68	-0.03	0.0	-0.04	-0.67
23	309	-0.67	4.15e-03	3.58e-05	-15.89	0.0	-0.82	29.64	-0.02	0.0	4.15e-03	-32.13
		-32.13	-0.03	-1.08e-05	0.0	145.0	-0.82	13.75	-0.02	0.0	-0.03	-0.67
23	310	-0.67	6.36e-03	5.90e-05	-15.89	0.0	-1.30	29.61	-0.03	0.0	6.36e-03	-32.09
		-32.09	-0.04	-1.82e-05	0.0	145.0	-1.30	13.73	-0.03	0.0	-0.04	-0.67
24	33	75.57	6.75e-03	-5.62e-03	-184.31	0.0	-1.26	90.55	2.41e-03	0.0	-9.15e-03	-71.20
		-81.77	-9.15e-03	-1.46e-04	0.0	660.0	-1.26	-93.76	2.41e-03	0.0	6.75e-03	-81.77
24	45	27.81	1.78e-03	-2.07e-03	-67.57	0.0	-0.45	32.90	3.46e-04	0.0	-5.04e-04	-25.02
		-30.86	-5.04e-04	-1.52e-04	0.0	660.0	-0.45	-34.67	3.46e-04	0.0	1.78e-03	-30.86
24	52	60.73	0.01	-4.54e-03	-141.54	0.0	-2.18	68.92	3.91e-03	0.0	-0.01	-49.93
		-62.15	-0.01	-1.77e-04	0.0	660.0	-2.18	-72.62	3.91e-03	0.0	0.01	-62.15
24	59	77.37	0.01	-5.77e-03	-184.31	0.0	-2.15	90.27	3.75e-03	0.0	-0.01	-68.47
		-80.90	-0.01	-1.59e-04	0.0	660.0	-2.15	-94.04	3.75e-03	0.0	0.01	-80.90
24	76	60.56	0.01	-4.53e-03	-141.54	0.0	-1.83	68.82	4.97e-03	0.0	-0.02	-49.77
		-62.65	-0.02	-1.54e-04	0.0	660.0	-1.83	-72.72	4.97e-03	0.0	0.01	-62.65

24	114	30.63	0.04	-2.28e-03	-72.32	0.0	-9.27	36.52	0.03	0.0	-0.14	-30.22
		-30.22	-0.14	-1.13e-03	0.0	660.0	-9.27	-35.80	0.03	0.0	0.04	-27.85
24	115	31.17	0.12	-2.34e-03	-72.32	0.0	7.25	33.80	-0.02	0.0	0.12	-20.74
		-36.34	-0.03	9.60e-04	0.0	660.0	7.25	-38.52	-0.02	0.0	-0.03	-36.34
24	128	30.27	0.03	-2.24e-03	-72.32	0.0	1.83	33.11	-2.85e-03	0.0	0.03	-19.67
		-39.79	0.01	-5.61e-06	0.0	660.0	1.83	-39.21	-2.85e-03	0.0	0.01	-39.79
24	141	32.48	0.06	-2.43e-03	-72.32	0.0	1.86	36.81	-0.01	0.0	0.06	-29.35
		-29.35	-0.04	-9.22e-04	0.0	660.0	1.86	-35.51	-0.01	0.0	-0.04	-25.03
24	146	30.60	0.05	-2.28e-03	-72.32	0.0	-10.29	36.68	0.03	0.0	-0.16	-30.80
		-30.80	-0.16	-1.25e-03	0.0	660.0	-10.29	-35.64	0.03	0.0	0.05	-27.33
24	147	31.27	0.14	-2.34e-03	-72.32	0.0	8.27	33.64	-0.03	0.0	0.14	-20.16
		-36.85	-0.03	1.09e-03	0.0	660.0	8.27	-38.69	-0.03	0.0	-0.03	-36.85
24	160	30.25	0.04	-2.24e-03	-72.32	0.0	2.17	32.86	-3.45e-03	0.0	0.04	-18.94
		-40.75	0.01	1.43e-05	0.0	660.0	2.17	-39.47	-3.45e-03	0.0	0.01	-40.75
24	173	32.69	0.07	-2.45e-03	-72.32	0.0	2.24	37.03	-0.02	0.0	0.07	-29.85
		-29.85	-0.04	-1.04e-03	0.0	660.0	2.24	-35.30	-0.02	0.0	-0.04	-24.11
24	178	30.60	0.05	-2.28e-03	-72.32	0.0	-10.17	36.65	0.03	0.0	-0.16	-30.68
		-30.68	-0.16	-1.21e-03	0.0	660.0	-10.17	-35.67	0.03	0.0	0.05	-27.45
24	179	31.25	0.14	-2.34e-03	-72.32	0.0	8.15	33.67	-0.03	0.0	0.14	-20.28
		-36.74	-0.03	1.04e-03	0.0	660.0	8.15	-38.65	-0.03	0.0	-0.03	-36.74
24	192	30.24	0.04	-2.24e-03	-72.32	0.0	2.06	32.88	-3.06e-03	0.0	0.04	-19.01
		-40.69	0.02	3.18e-05	0.0	660.0	2.06	-39.45	-3.06e-03	0.0	0.02	-40.69
24	205	32.73	0.07	-2.45e-03	-72.32	0.0	2.37	37.06	-0.02	0.0	0.07	-29.90
		-29.90	-0.04	-1.09e-03	0.0	660.0	2.37	-35.27	-0.02	0.0	-0.04	-23.97
24	210	30.55	0.05	-2.27e-03	-72.32	0.0	-11.74	36.89	0.04	0.0	-0.18	-31.52
		-31.52	-0.18	-1.38e-03	0.0	660.0	-11.74	-35.44	0.04	0.0	0.05	-26.71
24	211	31.40	0.16	-2.35e-03	-72.32	0.0	9.72	33.43	-0.03	0.0	0.16	-19.44
		-37.48	-0.04	1.21e-03	0.0	660.0	9.72	-38.89	-0.03	0.0	-0.04	-37.48
24	224	30.21	0.04	-2.22e-03	-72.32	0.0	2.51	32.50	-3.75e-03	0.0	0.04	-17.94
		-42.14	0.02	6.45e-05	0.0	660.0	2.51	-39.83	-3.75e-03	0.0	0.02	-42.14
24	237	33.08	0.08	-2.47e-03	-72.32	0.0	3.03	37.40	-0.02	0.0	0.08	-30.70
		-30.70	-0.05	-1.29e-03	0.0	660.0	3.03	-34.92	-0.02	0.0	-0.05	-22.47
24	257	53.02	4.79e-03	-3.94e-03	-129.35	0.0	-0.90	63.55	1.71e-03	0.0	-6.52e-03	-49.98
		-57.41	-6.52e-03	-1.02e-04	0.0	660.0	-0.90	-65.80	1.71e-03	0.0	4.79e-03	-57.41
24	261	29.87	2.84e-03	-2.23e-03	-72.32	0.0	-0.57	35.29	8.31e-04	0.0	-2.65e-03	-26.91
		-32.67	-2.65e-03	-1.20e-04	0.0	660.0	-0.57	-37.03	8.31e-04	0.0	2.84e-03	-32.67
24	268	43.13	7.70e-03	-3.22e-03	-100.84	0.0	-1.51	49.12	2.71e-03	0.0	-0.01	-35.79
		-44.33	-0.01	-1.23e-04	0.0	660.0	-1.51	-51.71	2.71e-03	0.0	7.70e-03	-44.33
24	271	54.22	7.30e-03	-4.04e-03	-129.35	0.0	-1.49	63.36	2.61e-03	0.0	-9.90e-03	-48.16
		-56.83	-9.90e-03	-1.11e-04	0.0	660.0	-1.49	-65.99	2.61e-03	0.0	7.30e-03	-56.83
24	280	43.02	8.96e-03	-3.22e-03	-100.84	0.0	-1.28	49.06	3.42e-03	0.0	-0.01	-35.68
		-44.66	-0.01	-1.07e-04	0.0	660.0	-1.28	-51.78	3.42e-03	0.0	8.96e-03	-44.66
24	298	31.03	6.73e-03	-2.32e-03	-72.32	0.0	-1.06	35.11	2.47e-03	0.0	-9.59e-03	-25.18
		-32.09	-9.59e-03	-9.03e-05	0.0	660.0	-1.06	-37.21	2.47e-03	0.0	6.73e-03	-32.09
24	299	34.58	4.44e-03	-2.57e-03	-83.73	0.0	-0.75	41.07	1.64e-03	0.0	-6.37e-03	-31.88
		-37.12	-6.37e-03	-5.20e-05	0.0	660.0	-0.75	-42.66	1.64e-03	0.0	4.44e-03	-37.12
24	301	35.50	6.64e-03	-2.65e-03	-83.73	0.0	-1.06	40.80	2.46e-03	0.0	-9.57e-03	-30.06
		-37.09	-9.57e-03	-8.65e-05	0.0	660.0	-1.06	-42.93	2.46e-03	0.0	6.64e-03	-37.09
24	304	29.94	3.89e-03	-2.23e-03	-72.32	0.0	-0.67	35.40	1.38e-03	0.0	-5.21e-03	-27.22
		-32.23	-5.21e-03	-6.40e-05	0.0	660.0	-0.67	-36.92	1.38e-03	0.0	3.89e-03	-32.23
24	309	29.95	4.15e-03	-2.23e-03	-72.32	0.0	-0.70	35.43	1.52e-03	0.0	-5.85e-03	-27.30
		-32.13	-5.85e-03	-5.00e-05	0.0	660.0	-0.70	-36.89	1.52e-03	0.0	4.15e-03	-32.13
24	310	30.88	6.36e-03	-2.31e-03	-72.32	0.0	-1.01	35.16	2.34e-03	0.0	-9.06e-03	-25.48
		-32.09	-9.06e-03	-8.45e-05	0.0	660.0	-1.01	-37.16	2.34e-03	0.0	6.36e-03	-32.09
25	9	-1.38	-0.01	-5.23e-04	-40.49	0.0	-0.29	-28.27	0.06	0.0	-0.10	-1.38
		-71.73	-0.10	-8.67e-06	0.0	145.0	-0.29	-68.76	0.06	0.0	-0.01	-71.73
25	31	-0.32	-0.01	-5.75e-04	-14.85	0.0	-0.25	-6.63	0.07	0.0	-0.11	-0.32
		-20.70	-0.11	-4.12e-05	0.0	145.0	-0.25	-21.48	0.07	0.0	-0.01	-20.70
25	35	-1.25	-0.01	-7.73e-04	-40.49	0.0	-0.35	-25.80	0.10	0.0	-0.16	-1.25
		-68.02	-0.16	-4.23e-05	0.0	145.0	-0.35	-66.29	0.10	0.0	-0.01	-68.02
25	68	-0.93	-0.01	-6.72e-04	-31.10	0.0	-1.06	-19.23	0.08	0.0	-0.12	-0.93
		-51.37	-0.12	-3.35e-05	0.0	145.0	-1.06	-50.33	0.08	0.0	-0.01	-51.37
25	69	-0.49	3.96e-04	-2.33e-04	-14.85	0.0	-0.85	-10.02	0.03	0.0	-0.05	-0.49
		-25.78	-0.05	-1.60e-05	0.0	145.0	-0.85	-24.87	0.03	0.0	3.96e-04	-25.78
25	93	-0.48	-8.15e-03	-2.35e-04	-14.85	0.0	0.23	-9.84	0.03	0.0	-0.05	-0.48
		-25.51	-0.05	-6.01e-06	0.0	145.0	0.23	-24.69	0.03	0.0	-8.15e-03	-25.51
25	113	-0.66	0.40	-7.54e-05	-15.89	0.0	-1.50	-13.69	-0.30	0.0	0.40	-0.66
		-32.03	-0.09	-5.30e-04	0.0	145.0	-1.50	-29.58	-0.30	0.0	-0.09	-32.03
25	114	-0.61	0.31	-1.41e-04	-15.89	0.0	-2.40	-12.48	-0.34	0.0	0.31	-0.61
		-30.22	-0.14	-2.09e-04	0.0	145.0	-2.40	-28.37	-0.34	0.0	-0.14	-30.22
25	115	-0.30	0.12	-6.37e-04	-15.89	0.0	2.00	-6.15	0.42	0.0	-0.44	-0.30
		-20.74	-0.44	1.76e-04	0.0	145.0	2.00	-22.04	0.42	0.0	0.12	-20.74
25	116	-0.24	0.07	-7.03e-04	-15.89	0.0	1.10	-4.94	0.38	0.0	-0.53	-0.24
		-18.93	-0.53	4.97e-04	0.0	145.0	1.10	-20.83	0.38	0.0	0.07	-18.93
25	145	-0.69	0.45	-3.64e-05	-15.89	0.0	-1.65	-14.24	-0.34	0.0	0.45	-0.69

		-32.85	-0.10	-5.96e-04	0.0	145.0	-1.65	-30.13	-0.34	0.0	-0.10	-32.85
25	146	-0.62	0.35	-1.11e-04	-15.89	0.0	-2.67	-12.87	-0.39	0.0	0.35	-0.62
		-30.80	-0.16	-2.32e-04	0.0	145.0	-2.67	-28.75	-0.39	0.0	-0.16	-30.80
25	147	-0.28	0.14	-6.67e-04	-15.89	0.0	2.27	-5.77	0.47	0.0	-0.49	-0.28
		-20.16	-0.49	1.98e-04	0.0	145.0	2.27	-21.66	0.47	0.0	0.14	-20.16
25	148	-0.21	0.08	-7.42e-04	-15.89	0.0	1.25	-4.40	0.42	0.0	-0.59	-0.21
		-18.11	-0.59	5.62e-04	0.0	145.0	1.25	-20.29	0.42	0.0	0.08	-18.11
25	177	-0.69	0.45	-3.96e-05	-15.89	0.0	-1.59	-14.21	-0.34	0.0	0.45	-0.69
		-32.82	-0.10	-6.02e-04	0.0	145.0	-1.59	-30.10	-0.34	0.0	-0.10	-32.82
25	178	-0.62	0.34	-1.17e-04	-15.89	0.0	-2.64	-12.79	-0.38	0.0	0.34	-0.62
		-30.68	-0.16	-2.24e-04	0.0	145.0	-2.64	-28.68	-0.38	0.0	-0.16	-30.68
25	179	-0.28	0.14	-6.61e-04	-15.89	0.0	2.24	-5.85	0.46	0.0	-0.48	-0.28
		-20.28	-0.48	1.90e-04	0.0	145.0	2.24	-21.73	0.46	0.0	0.14	-20.28
25	180	-0.21	0.08	-7.38e-04	-15.89	0.0	1.19	-4.42	0.42	0.0	-0.58	-0.21
		-18.14	-0.58	5.68e-04	0.0	145.0	1.19	-20.31	0.42	0.0	0.08	-18.14
25	209	-0.73	0.54	4.69e-05	-15.89	0.0	-1.80	-15.07	-0.40	0.0	0.54	-0.73
		-34.10	-0.11	-7.11e-04	0.0	145.0	-1.80	-30.96	-0.40	0.0	-0.11	-34.10
25	210	-0.65	0.41	-7.23e-05	-15.89	0.0	-3.06	-13.35	-0.45	0.0	0.41	-0.65
		-31.52	-0.18	-2.54e-04	0.0	145.0	-3.06	-29.24	-0.45	0.0	-0.18	-31.52
25	211	-0.26	0.16	-7.06e-04	-15.89	0.0	2.66	-5.28	0.53	0.0	-0.55	-0.26
		-19.44	-0.55	2.20e-04	0.0	145.0	2.66	-21.17	0.53	0.0	0.16	-19.44
25	212	-0.17	0.09	-7.98e-04	-15.89	0.0	1.39	-3.57	0.48	0.0	-0.67	-0.17
		-16.86	-0.67	6.77e-04	0.0	145.0	1.39	-19.46	0.48	0.0	0.09	-16.86
25	245	-0.97	-9.39e-03	-3.67e-04	-28.42	0.0	-0.20	-19.83	0.04	0.0	-0.07	-0.97
		-50.33	-0.07	-6.76e-06	0.0	145.0	-0.20	-48.25	0.04	0.0	-9.39e-03	-50.33
25	255	-0.40	-9.28e-03	-4.86e-04	-15.89	0.0	-0.22	-8.35	0.06	0.0	-0.09	-0.40
		-24.03	-0.09	-3.11e-05	0.0	145.0	-0.22	-24.24	0.06	0.0	-9.28e-03	-24.03
25	259	-0.88	-0.01	-5.34e-04	-28.42	0.0	-0.24	-18.18	0.07	0.0	-0.11	-0.88
		-47.85	-0.11	-2.92e-05	0.0	145.0	-0.24	-46.60	0.07	0.0	-0.01	-47.85
25	273	-0.52	-2.05e-03	-2.58e-04	-15.89	0.0	-0.62	-10.61	0.03	0.0	-0.05	-0.52
		-27.42	-0.05	-1.43e-05	0.0	145.0	-0.62	-26.50	0.03	0.0	-2.05e-03	-27.42
25	276	-0.67	-7.09e-03	-4.67e-04	-22.15	0.0	-0.72	-13.81	0.05	0.0	-0.09	-0.67
		-36.75	-0.09	-2.33e-05	0.0	145.0	-0.72	-35.96	0.05	0.0	-7.09e-03	-36.75
25	285	-0.51	-7.75e-03	-2.59e-04	-15.89	0.0	0.10	-10.49	0.03	0.0	-0.05	-0.51
		-27.24	-0.05	-7.63e-06	0.0	145.0	0.10	-26.38	0.03	0.0	-7.75e-03	-27.24
25	298	-0.44	-9.59e-03	-4.11e-04	-15.89	0.0	-0.21	-9.11	0.04	0.0	-0.07	-0.44
		-25.18	-0.07	-1.81e-05	0.0	145.0	-0.21	-25.00	0.04	0.0	-9.59e-03	-25.18
25	299	-0.60	-6.37e-03	-2.81e-04	-18.39	0.0	-0.15	-12.38	0.03	0.0	-0.06	-0.60
		-31.88	-0.06	-1.02e-05	0.0	145.0	-0.15	-30.77	0.03	0.0	-6.37e-03	-31.88
25	301	-0.54	-9.57e-03	-4.12e-04	-18.39	0.0	-0.21	-11.16	0.04	0.0	-0.07	-0.54
		-30.06	-0.07	-1.72e-05	0.0	145.0	-0.21	-29.56	0.04	0.0	-9.57e-03	-30.06
25	306	-0.51	-5.09e-03	-2.58e-04	-15.89	0.0	-0.23	-10.55	0.03	0.0	-0.05	-0.51
		-27.33	-0.05	-1.07e-05	0.0	145.0	-0.23	-26.44	0.03	0.0	-5.09e-03	-27.33
25	307	-0.45	-8.30e-03	-3.89e-04	-15.89	0.0	-0.30	-9.33	0.04	0.0	-0.07	-0.45
		-25.50	-0.07	-1.78e-05	0.0	145.0	-0.30	-25.22	0.04	0.0	-8.30e-03	-25.50
25	308	-0.51	-6.23e-03	-2.58e-04	-15.89	0.0	-0.09	-10.52	0.03	0.0	-0.05	-0.51
		-27.29	-0.05	-9.41e-06	0.0	145.0	-0.09	-26.41	0.03	0.0	-6.23e-03	-27.29
25	309	-0.51	-5.85e-03	-2.58e-04	-15.89	0.0	-0.14	-10.53	0.03	0.0	-0.05	-0.51
		-27.30	-0.05	-9.86e-06	0.0	145.0	-0.14	-26.42	0.03	0.0	-5.85e-03	-27.30
25	310	-0.45	-9.06e-03	-3.89e-04	-15.89	0.0	-0.20	-9.32	0.04	0.0	-0.07	-0.45
		-25.48	-0.07	-1.69e-05	0.0	145.0	-0.20	-25.21	0.04	0.0	-9.06e-03	-25.48
26	3	0.0	0.01	2.48e-04	-79.22	0.0	0.73	145.40	9.77e-03	0.0	-2.75e-03	-153.40
		-153.40	-2.75e-03	-4.01e-06	0.0	145.0	0.73	66.18	9.77e-03	0.0	0.01	0.0
26	27	0.0	0.04	2.11e-04	-79.22	0.0	1.02	145.92	0.03	0.0	-4.37e-03	-154.15
		-154.15	-4.37e-03	-1.90e-05	0.0	145.0	1.02	66.70	0.03	0.0	0.04	0.0
26	68	0.0	0.05	2.45e-04	-65.13	0.0	-0.30	119.18	0.04	0.0	-4.93e-03	-125.59
		-125.59	-4.93e-03	-8.28e-06	0.0	145.0	-0.30	54.05	0.04	0.0	0.05	0.0
26	69	0.0	0.03	1.04e-04	-21.11	0.0	-0.80	38.36	0.03	0.0	-3.19e-03	-40.32
		-40.32	-3.19e-03	-3.15e-06	0.0	145.0	-0.80	17.26	0.03	0.0	0.03	0.0
26	92	0.0	4.92e-03	1.76e-04	-65.13	0.0	1.33	119.96	4.67e-03	0.0	-1.85e-03	-126.72
		-126.72	-1.85e-03	-7.89e-06	0.0	145.0	1.33	54.83	4.67e-03	0.0	4.92e-03	0.0
26	93	0.0	-1.17e-04	4.65e-05	-21.11	0.0	0.83	39.14	-4.57e-03	0.0	-1.17e-04	-41.45
		-41.45	-6.74e-03	-2.76e-06	0.0	145.0	0.83	18.03	-4.57e-03	0.0	-6.74e-03	0.0
26	113	0.0	-0.01	5.51e-04	-41.99	0.0	-5.68	71.99	-0.08	0.0	-0.01	-73.94
		-73.94	-0.12	-1.22e-04	0.0	145.0	-5.68	30.00	-0.08	0.0	-0.12	0.0
26	116	0.0	0.15	-3.11e-04	-41.99	0.0	6.62	82.41	0.10	0.0	0.01	-89.06
		-89.06	0.01	1.12e-04	0.0	145.0	6.62	40.43	0.10	0.0	0.15	0.0
26	126	0.0	-5.65e-03	3.55e-04	-41.99	0.0	-3.24	74.25	-0.17	0.0	-5.65e-03	-77.22
		-77.22	-0.25	3.13e-05	0.0	145.0	-3.24	32.26	-0.17	0.0	-0.25	0.0
26	127	0.0	0.28	-1.14e-04	-41.99	0.0	4.18	80.16	0.19	0.0	1.91e-03	-85.78
		-85.78	1.91e-03	-4.13e-05	0.0	145.0	4.18	38.17	0.19	0.0	0.28	0.0
26	130	0.0	6.68e-03	-1.79e-04	-41.99	0.0	1.32	80.41	-0.16	0.0	6.68e-03	-86.16
		-86.16	-0.22	-1.04e-04	0.0	145.0	1.32	38.42	-0.16	0.0	-0.22	0.0
26	144	0.0	0.01	-4.21e-04	-41.99	0.0	3.54	83.20	-0.08	0.0	0.01	-90.20
		-90.20	-0.11	-4.96e-05	0.0	145.0	3.54	41.21	-0.08	0.0	-0.11	0.0

26	145	0.0	-0.02	6.06e-04	-41.99	0.0	-6.43	71.32	-0.09	0.0	-0.02	-72.98
		-72.98	-0.14	-1.36e-04	0.0	145.0	-6.43	29.33	-0.09	0.0	-0.14	0.0
26	148	0.0	0.16	-3.66e-04	-41.99	0.0	7.38	83.08	0.11	0.0	0.01	-90.02
		-90.02	0.01	1.26e-04	0.0	145.0	7.38	41.09	0.11	0.0	0.16	0.0
26	158	0.0	-6.00e-03	3.83e-04	-41.99	0.0	-3.70	73.89	-0.20	0.0	-6.00e-03	-76.70
		-76.70	-0.29	3.55e-05	0.0	145.0	-3.70	31.90	-0.20	0.0	-0.29	0.0
26	159	0.0	0.31	-1.42e-04	-41.99	0.0	4.64	80.51	0.22	0.0	2.26e-03	-86.30
		-86.30	2.26e-03	-4.56e-05	0.0	145.0	4.64	38.52	0.22	0.0	0.31	0.0
26	162	0.0	7.84e-03	-2.19e-04	-41.99	0.0	1.43	80.85	-0.18	0.0	7.84e-03	-86.79
		-86.79	-0.25	-1.19e-04	0.0	145.0	1.43	38.86	-0.18	0.0	-0.25	0.0
26	176	0.0	0.01	-4.91e-04	-41.99	0.0	3.91	83.98	-0.10	0.0	0.01	-91.33
		-91.33	-0.13	-5.60e-05	0.0	145.0	3.91	41.99	-0.10	0.0	-0.13	0.0
26	177	0.0	-0.01	6.12e-04	-41.99	0.0	-6.28	71.27	-0.09	0.0	-0.01	-72.91
		-72.91	-0.13	-1.32e-04	0.0	145.0	-6.28	29.29	-0.09	0.0	-0.13	0.0
26	180	0.0	0.15	-3.71e-04	-41.99	0.0	7.22	83.13	0.11	0.0	0.01	-90.09
		-90.09	0.01	1.22e-04	0.0	145.0	7.22	41.14	0.11	0.0	0.15	0.0
26	190	0.0	-4.71e-03	3.72e-04	-41.99	0.0	-3.62	74.01	-0.19	0.0	-4.71e-03	-76.88
		-76.88	-0.28	3.30e-05	0.0	145.0	-3.62	32.02	-0.19	0.0	-0.28	0.0
26	191	0.0	0.30	-1.32e-04	-41.99	0.0	4.56	80.39	0.21	0.0	9.62e-04	-86.12
		-86.12	9.62e-04	-4.30e-05	0.0	145.0	4.56	38.40	0.21	0.0	0.30	0.0
26	194	0.0	8.38e-03	-2.37e-04	-41.99	0.0	1.48	81.06	-0.18	0.0	8.38e-03	-87.09
		-87.09	-0.25	-1.31e-04	0.0	145.0	1.48	39.07	-0.18	0.0	-0.25	0.0
26	208	0.0	0.01	-5.04e-04	-41.99	0.0	3.72	84.12	-0.10	0.0	0.01	-91.53
		-91.53	-0.13	-6.14e-05	0.0	145.0	3.72	42.13	-0.10	0.0	-0.13	0.0
26	209	0.0	-0.02	7.03e-04	-41.99	0.0	-7.41	70.19	-0.10	0.0	-0.02	-71.33
		-71.33	-0.15	-1.52e-04	0.0	145.0	-7.41	28.20	-0.10	0.0	-0.15	0.0
26	212	0.0	0.17	-4.62e-04	-41.99	0.0	8.35	84.22	0.12	0.0	0.01	-91.67
		-91.67	0.01	1.42e-04	0.0	145.0	8.35	42.23	0.12	0.0	0.17	0.0
26	222	0.0	-4.88e-03	4.09e-04	-41.99	0.0	-4.27	73.54	-0.23	0.0	-4.88e-03	-76.19
		-76.19	-0.33	3.81e-05	0.0	145.0	-4.27	31.55	-0.23	0.0	-0.33	0.0
26	223	0.0	0.35	-1.68e-04	-41.99	0.0	5.21	80.86	0.25	0.0	1.14e-03	-86.81
		-86.81	1.14e-03	-4.81e-05	0.0	145.0	5.21	38.87	0.25	0.0	0.35	0.0
26	226	0.0	0.01	-3.14e-04	-41.99	0.0	1.72	81.89	-0.22	0.0	0.01	-88.31
		-88.31	-0.30	-1.62e-04	0.0	145.0	1.72	39.91	-0.22	0.0	-0.30	0.0
26	240	0.0	0.02	-6.19e-04	-41.99	0.0	4.25	85.40	-0.12	0.0	0.02	-93.39
		-93.39	-0.16	-7.42e-05	0.0	145.0	4.25	43.41	-0.12	0.0	-0.16	0.0
26	243	0.0	8.21e-03	1.69e-04	-54.52	0.0	0.51	100.08	6.99e-03	0.0	-1.93e-03	-105.59
		-105.59	-1.93e-03	-2.93e-06	0.0	145.0	0.51	45.56	6.99e-03	0.0	8.21e-03	0.0
26	255	0.0	0.02	1.45e-04	-54.52	0.0	0.70	100.42	0.02	0.0	-3.01e-03	-106.09
		-106.09	-3.01e-03	-1.29e-05	0.0	145.0	0.70	45.91	0.02	0.0	0.02	0.0
26	273	0.0	0.03	9.47e-05	-23.20	0.0	-0.41	42.37	0.02	0.0	-2.62e-03	-44.62
		-44.62	-2.62e-03	-3.30e-06	0.0	145.0	-0.41	19.17	0.02	0.0	0.03	0.0
26	276	0.0	0.03	1.67e-04	-45.12	0.0	-0.17	82.59	0.02	0.0	-3.38e-03	-87.05
		-87.05	-3.38e-03	-5.78e-06	0.0	145.0	-0.17	37.47	0.02	0.0	0.03	0.0
26	288	0.0	3.88e-03	1.22e-04	-45.12	0.0	0.91	83.11	3.59e-03	0.0	-1.33e-03	-87.80
		-87.80	-1.33e-03	-5.52e-06	0.0	145.0	0.91	37.99	3.59e-03	0.0	3.88e-03	0.0
26	298	0.0	0.01	1.30e-04	-45.12	0.0	0.50	82.95	9.50e-03	0.0	-1.98e-03	-87.56
		-87.56	-1.98e-03	-5.32e-06	0.0	145.0	0.50	37.83	9.50e-03	0.0	0.01	0.0
26	305	0.0	0.01	1.15e-04	-41.99	0.0	0.51	77.28	0.01	0.0	-2.11e-03	-81.61
		-81.61	-2.11e-03	-7.22e-06	0.0	145.0	0.51	35.29	0.01	0.0	0.01	0.0
26	306	0.0	0.01	6.88e-05	-23.20	0.0	0.17	42.65	8.82e-03	0.0	-1.52e-03	-45.02
		-45.02	-1.52e-03	-3.17e-06	0.0	145.0	0.17	19.45	8.82e-03	0.0	0.01	0.0
26	307	0.0	0.01	1.27e-04	-41.99	0.0	0.33	77.13	0.01	0.0	-2.15e-03	-81.40
		-81.40	-2.15e-03	-5.04e-06	0.0	145.0	0.33	35.14	0.01	0.0	0.01	0.0
26	309	0.0	7.60e-03	6.33e-05	-23.20	0.0	0.31	42.72	6.11e-03	0.0	-1.25e-03	-45.12
		-45.12	-1.25e-03	-3.13e-06	0.0	145.0	0.31	19.52	6.11e-03	0.0	7.60e-03	0.0
26	310	0.0	0.01	1.20e-04	-41.99	0.0	0.47	77.20	9.02e-03	0.0	-1.87e-03	-81.50
		-81.50	-1.87e-03	-5.01e-06	0.0	145.0	0.47	35.21	9.02e-03	0.0	0.01	0.0
27	27	145.37	4.84e-03	-0.01	-360.61	0.0	0.65	179.69	-1.40e-03	0.0	4.84e-03	-150.11
		-154.15	-4.37e-03	-8.50e-05	0.0	660.0	0.65	-180.92	-1.40e-03	0.0	-4.37e-03	-154.15
27	44	119.57	6.03e-03	-8.87e-03	-296.46	0.0	0.72	147.57	-1.62e-03	0.0	6.03e-03	-122.83
		-127.18	-4.68e-03	-1.11e-04	0.0	660.0	0.72	-148.89	-1.62e-03	0.0	-4.68e-03	-127.18
27	52	145.77	3.03e-03	-0.01	-360.61	0.0	-0.05	179.87	-1.15e-03	0.0	3.03e-03	-150.29
		-153.18	-4.58e-03	-4.16e-05	0.0	660.0	-0.05	-180.74	-1.15e-03	0.0	-4.58e-03	-153.18
27	68	120.00	2.98e-03	-8.91e-03	-296.46	0.0	-0.53	147.92	-1.20e-03	0.0	2.98e-03	-123.56
		-125.59	-4.93e-03	-3.56e-05	0.0	660.0	-0.53	-148.54	-1.20e-03	0.0	-4.93e-03	-125.59
27	69	39.03	1.68e-03	-2.90e-03	-96.08	0.0	-0.84	48.02	-7.38e-04	0.0	1.68e-03	-40.16
		-40.32	-3.19e-03	-1.30e-05	0.0	660.0	-0.84	-48.07	-7.38e-04	0.0	-3.19e-03	-40.32
27	92	119.61	1.74e-03	-8.88e-03	-296.46	0.0	1.01	147.70	-5.44e-04	0.0	1.74e-03	-123.21
		-126.72	-1.85e-03	-3.50e-05	0.0	660.0	1.01	-148.76	-5.44e-04	0.0	-1.85e-03	-126.72
27	113	78.34	-0.01	-5.82e-03	-191.12	0.0	-3.80	97.19	4.85e-03	0.0	-0.03	-84.72
		-84.72	-0.03	-1.31e-03	0.0	660.0	-3.80	-93.93	4.85e-03	0.0	-0.01	-73.94
27	114	77.28	-7.21e-03	-5.73e-03	-191.12	0.0	-3.02	96.36	5.72e-03	0.0	-0.04	-83.04
		-83.04	-0.04	3.49e-05	0.0	660.0	-3.02	-94.76	5.72e-03	0.0	-7.21e-03	-77.75
27	115	76.93	0.04	-5.71e-03	-191.12	0.0	3.61	94.20	-6.72e-03	0.0	0.04	-76.24

		-85.25	3.46e-03	-7.87e-05	0.0	660.0	3.61	-96.92	-6.72e-03	0.0	3.46e-03	-85.25
27	116	75.87	0.03	-5.63e-03	-191.12	0.0	4.39	93.37	-5.85e-03	0.0	0.03	-74.56
		-89.06	0.01	1.26e-03	0.0	660.0	4.39	-97.75	-5.85e-03	0.0	0.01	-89.06
27	141	79.61	-2.60e-03	-5.92e-03	-191.12	0.0	-1.78	97.15	-1.21e-03	0.0	-2.60e-03	-83.33
		-83.33	-0.02	-1.32e-03	0.0	660.0	-1.78	-93.97	-1.21e-03	0.0	-0.02	-72.80
27	144	74.60	0.01	-5.52e-03	-191.12	0.0	2.38	93.41	2.17e-04	0.0	5.44e-03	-75.96
		-90.20	5.44e-03	1.27e-03	0.0	660.0	2.38	-97.72	2.17e-04	0.0	0.01	-90.20
27	145	78.51	-0.02	-5.83e-03	-191.12	0.0	-4.30	97.43	5.51e-03	0.0	-0.04	-85.36
		-85.36	-0.04	-1.47e-03	0.0	660.0	-4.30	-93.69	5.51e-03	0.0	-0.02	-72.98
27	146	77.30	-7.75e-03	-5.73e-03	-191.12	0.0	-3.42	96.49	6.48e-03	0.0	-0.04	-83.46
		-83.46	-0.04	4.49e-05	0.0	660.0	-3.42	-94.63	6.48e-03	0.0	-7.75e-03	-77.30
27	147	76.91	0.04	-5.71e-03	-191.12	0.0	4.01	94.07	-7.48e-03	0.0	0.04	-75.83
		-85.70	4.01e-03	-8.87e-05	0.0	660.0	4.01	-97.05	-7.48e-03	0.0	4.01e-03	-85.70
27	148	75.70	0.04	-5.61e-03	-191.12	0.0	4.89	93.13	-6.50e-03	0.0	0.04	-73.92
		-90.02	0.01	1.43e-03	0.0	660.0	4.89	-98.00	-6.50e-03	0.0	0.01	-90.02
27	173	79.94	-3.11e-03	-5.95e-03	-191.12	0.0	-2.03	97.40	-1.31e-03	0.0	-3.11e-03	-83.80
		-83.80	-0.02	-1.48e-03	0.0	660.0	-2.03	-93.72	-1.31e-03	0.0	-0.02	-71.67
27	176	74.27	0.01	-5.49e-03	-191.12	0.0	2.62	93.16	3.11e-04	0.0	5.95e-03	-75.48
		-91.33	5.95e-03	1.44e-03	0.0	660.0	2.62	-97.96	3.11e-04	0.0	0.01	-91.33
27	177	78.55	-0.01	-5.83e-03	-191.12	0.0	-4.18	97.44	5.40e-03	0.0	-0.04	-85.36
		-85.36	-0.04	-1.49e-03	0.0	660.0	-4.18	-93.68	5.40e-03	0.0	-0.01	-72.91
27	178	77.29	-6.71e-03	-5.73e-03	-191.12	0.0	-3.32	96.46	6.33e-03	0.0	-0.04	-83.37
		-83.37	-0.04	6.14e-05	0.0	660.0	-3.32	-94.66	6.33e-03	0.0	-6.71e-03	-77.40
27	179	76.92	0.04	-5.71e-03	-191.12	0.0	3.92	94.10	-7.33e-03	0.0	0.04	-75.91
		-85.60	2.97e-03	-1.05e-04	0.0	660.0	3.92	-97.03	-7.33e-03	0.0	2.97e-03	-85.60
27	180	75.67	0.04	-5.61e-03	-191.12	0.0	4.77	93.12	-6.40e-03	0.0	0.04	-73.93
		-90.09	0.01	1.44e-03	0.0	660.0	4.77	-98.01	-6.40e-03	0.0	0.01	-90.09
27	205	80.00	-3.12e-03	-5.95e-03	-191.12	0.0	-1.88	97.44	-1.34e-03	0.0	-3.12e-03	-83.87
		-83.87	-0.02	-1.50e-03	0.0	660.0	-1.88	-93.68	-1.34e-03	0.0	-0.02	-71.47
27	208	74.21	0.01	-5.49e-03	-191.12	0.0	2.48	93.12	3.38e-04	0.0	5.95e-03	-75.41
		-91.53	5.95e-03	1.46e-03	0.0	660.0	2.48	-98.00	3.38e-04	0.0	0.01	-91.53
27	209	78.83	-0.02	-5.85e-03	-191.12	0.0	-4.92	97.83	6.37e-03	0.0	-0.04	-86.37
		-86.37	-0.04	-1.76e-03	0.0	660.0	-4.92	-93.29	6.37e-03	0.0	-0.02	-71.33
27	210	77.31	-7.32e-03	-5.73e-03	-191.12	0.0	-3.91	96.65	7.46e-03	0.0	-0.05	-83.97
		-83.97	-0.05	9.10e-05	0.0	660.0	-3.91	-94.47	7.46e-03	0.0	-7.32e-03	-76.75
27	211	76.90	0.05	-5.71e-03	-191.12	0.0	4.51	93.91	-8.45e-03	0.0	0.05	-75.31
		-86.25	3.57e-03	-1.35e-04	0.0	660.0	4.51	-97.21	-8.45e-03	0.0	3.57e-03	-86.25
27	212	75.38	0.04	-5.59e-03	-191.12	0.0	5.52	92.73	-7.37e-03	0.0	0.04	-72.92
		-91.67	0.01	1.72e-03	0.0	660.0	5.52	-98.40	-7.37e-03	0.0	0.01	-91.67
27	237	80.55	-3.86e-03	-6.00e-03	-191.12	0.0	-2.24	97.84	-1.51e-03	0.0	-3.86e-03	-84.65
		-84.65	-0.02	-1.77e-03	0.0	660.0	-2.24	-93.29	-1.51e-03	0.0	-0.02	-69.61
27	240	73.66	0.02	-5.45e-03	-191.12	0.0	2.83	92.72	5.14e-04	0.0	6.70e-03	-74.64
		-93.39	6.70e-03	1.72e-03	0.0	660.0	2.83	-98.40	5.14e-04	0.0	0.02	-93.39
27	255	100.03	3.31e-03	-7.42e-03	-248.15	0.0	0.45	123.65	-9.57e-04	0.0	3.31e-03	-103.29
		-106.09	-3.01e-03	-5.78e-05	0.0	660.0	0.45	-124.50	-9.57e-04	0.0	-3.01e-03	-106.09
27	264	82.83	4.10e-03	-6.15e-03	-205.38	0.0	0.49	102.24	-1.11e-03	0.0	4.10e-03	-85.11
		-88.11	-3.21e-03	-7.53e-05	0.0	660.0	0.49	-103.14	-1.11e-03	0.0	-3.21e-03	-88.11
27	268	100.30	2.10e-03	-7.44e-03	-248.15	0.0	-0.02	123.77	-7.94e-04	0.0	2.10e-03	-103.41
		-105.44	-3.14e-03	-2.89e-05	0.0	660.0	-0.02	-124.38	-7.94e-04	0.0	-3.14e-03	-105.44
27	273	42.79	1.47e-03	-3.18e-03	-105.59	0.0	-0.48	52.70	-6.19e-04	0.0	1.47e-03	-44.03
		-44.62	-2.62e-03	-1.39e-05	0.0	660.0	-0.48	-52.88	-6.19e-04	0.0	-2.62e-03	-44.62
27	276	83.12	2.07e-03	-6.17e-03	-205.38	0.0	-0.34	102.47	-8.25e-04	0.0	2.07e-03	-85.59
		-87.05	-3.38e-03	-2.49e-05	0.0	660.0	-0.34	-102.91	-8.25e-04	0.0	-3.38e-03	-87.05
27	288	82.86	1.24e-03	-6.15e-03	-205.38	0.0	0.69	102.32	-3.89e-04	0.0	1.24e-03	-85.36
		-87.80	-1.33e-03	-2.45e-05	0.0	660.0	0.69	-103.06	-3.89e-04	0.0	-1.33e-03	-87.80
27	298	82.85	1.50e-03	-6.15e-03	-205.38	0.0	0.31	102.39	-5.27e-04	0.0	1.50e-03	-85.60
		-87.56	-1.98e-03	-2.33e-05	0.0	660.0	0.31	-102.99	-5.27e-04	0.0	-1.98e-03	-87.56
27	305	77.08	1.94e-03	-5.72e-03	-191.12	0.0	0.33	95.25	-6.13e-04	0.0	1.94e-03	-79.58
		-81.61	-2.11e-03	-3.20e-05	0.0	660.0	0.33	-95.87	-6.13e-04	0.0	-2.11e-03	-81.61
27	306	42.65	1.03e-03	-3.17e-03	-105.59	0.0	0.07	52.62	-3.87e-04	0.0	1.03e-03	-43.90
		-45.02	-1.52e-03	-1.37e-05	0.0	660.0	0.07	-52.96	-3.87e-04	0.0	-1.52e-03	-45.02
27	307	77.14	1.53e-03	-5.72e-03	-191.12	0.0	0.16	95.30	-5.57e-04	0.0	1.53e-03	-79.67
		-81.40	-2.15e-03	-2.20e-05	0.0	660.0	0.16	-95.82	-5.57e-04	0.0	-2.15e-03	-81.40
27	309	42.61	9.17e-04	-3.16e-03	-105.59	0.0	0.20	52.61	-3.28e-04	0.0	9.17e-04	-43.87
		-45.12	-1.25e-03	-1.37e-05	0.0	660.0	0.20	-52.98	-3.28e-04	0.0	-1.25e-03	-45.12
27	310	77.11	1.42e-03	-5.72e-03	-191.12	0.0	0.30	95.28	-4.99e-04	0.0	1.42e-03	-79.64
		-81.50	-1.87e-03	-2.19e-05	0.0	660.0	0.30	-95.84	-4.99e-04	0.0	-1.87e-03	-81.50
28	9	0.0	0.02	7.80e-03	-29.37	0.0	0.17	0.0	9.03e-03	0.0	0.0	0.0
		-41.16	0.0	-6.45e-05	0.0	276.7	0.17	-29.37	9.03e-03	0.0	0.02	-41.16
28	31	0.0	0.03	3.52e-03	-10.93	0.0	0.12	0.0	9.40e-03	0.0	0.0	0.0
		-15.30	0.0	-1.26e-04	0.0	276.7	0.12	-10.93	9.40e-03	0.0	0.03	-15.30
28	59	0.0	0.03	8.15e-03	-29.37	0.0	0.23	0.0	0.01	0.0	0.0	0.0
		-41.16	0.0	-1.21e-04	0.0	276.7	0.23	-29.37	0.01	0.0	0.03	-41.16
28	76	0.0	0.04	6.57e-03	-22.64	0.0	0.19	0.0	0.01	0.0	0.0	0.0
		-31.73	0.0	-1.30e-04	0.0	276.7	0.19	-22.64	0.01	0.0	0.04	-31.73

28	92	0.0	0.03	6.43e-03	-22.64	0.0	0.16	0.0	0.01	0.0	0.0	0.0
		-31.73	0.0	-1.11e-04	0.0	276.7	0.16	-22.64	0.01	0.0	0.03	-31.73
28	93	0.0	0.01	3.00e-03	-10.93	0.0	0.05	0.0	4.61e-03	0.0	0.0	0.0
		-15.30	0.0	-3.96e-05	0.0	276.7	0.05	-10.93	4.61e-03	0.0	0.01	-15.30
28	122	0.0	0.05	2.21e-03	-11.67	0.0	-0.74	-1.17	0.02	0.0	0.0	0.0
		-20.25	0.0	-5.93e-04	0.0	276.7	-0.74	-12.84	0.02	0.0	0.05	-20.25
28	123	0.24	0.0	4.59e-03	-11.67	0.0	0.93	1.17	-4.17e-03	0.0	0.0	0.0
		-12.45	-0.01	4.55e-04	0.0	276.7	0.93	-10.50	-4.17e-03	0.0	-0.01	-12.45
28	130	0.0	0.06	2.79e-03	-11.67	0.0	-0.52	0.62	0.02	0.0	0.0	0.0
		-18.06	0.0	8.51e-04	0.0	276.7	-0.52	-11.06	0.02	0.0	0.06	-18.06
28	131	0.04	0.0	4.01e-03	-11.67	0.0	0.71	-0.62	-9.49e-03	0.0	0.0	0.0
		-14.64	-0.03	-9.89e-04	0.0	276.7	0.71	-12.29	-9.49e-03	0.0	-0.03	-14.64
28	154	0.0	0.05	2.07e-03	-11.67	0.0	-0.85	-1.30	0.02	0.0	0.0	0.0
		-20.69	0.0	-6.58e-04	0.0	276.7	-0.85	-12.97	0.02	0.0	0.05	-20.69
28	155	0.29	0.0	4.73e-03	-11.67	0.0	1.04	1.30	-5.56e-03	0.0	0.0	0.0
		-12.01	-0.02	5.20e-04	0.0	276.7	1.04	-10.37	-5.56e-03	0.0	-0.02	-12.01
28	162	0.0	0.07	2.72e-03	-11.67	0.0	-0.60	0.69	0.03	0.0	0.0	0.0
		-18.25	0.0	9.72e-04	0.0	276.7	-0.60	-10.99	0.03	0.0	0.07	-18.25
28	163	0.06	0.0	4.09e-03	-11.67	0.0	0.79	-0.69	-0.01	0.0	0.0	0.0
		-14.45	-0.03	-1.11e-03	0.0	276.7	0.79	-12.36	-0.01	0.0	-0.03	-14.45
28	186	0.0	0.05	2.11e-03	-11.67	0.0	-0.84	-1.16	0.02	0.0	0.0	0.0
		-20.22	0.0	-6.49e-04	0.0	276.7	-0.84	-12.83	0.02	0.0	0.05	-20.22
28	187	0.23	0.0	4.69e-03	-11.67	0.0	1.03	1.16	-5.55e-03	0.0	0.0	0.0
		-12.48	-0.02	5.11e-04	0.0	276.7	1.03	-10.52	-5.55e-03	0.0	-0.02	-12.48
28	194	0.0	0.07	2.73e-03	-11.67	0.0	-0.61	0.62	0.03	0.0	0.0	0.0
		-18.08	0.0	9.99e-04	0.0	276.7	-0.61	-11.05	0.03	0.0	0.07	-18.08
28	195	0.04	0.0	4.07e-03	-11.67	0.0	0.80	-0.62	-0.01	0.0	0.0	0.0
		-14.62	-0.03	-1.14e-03	0.0	276.7	0.80	-12.30	-0.01	0.0	-0.03	-14.62
28	218	0.0	0.06	1.90e-03	-11.67	0.0	-1.00	-1.33	0.02	0.0	0.0	0.0
		-20.82	0.0	-7.43e-04	0.0	276.7	-1.00	-13.01	0.02	0.0	0.06	-20.82
28	219	0.31	0.0	4.90e-03	-11.67	0.0	1.19	1.33	-7.74e-03	0.0	0.0	0.0
		-11.88	-0.02	6.05e-04	0.0	276.7	1.19	-10.34	-7.74e-03	0.0	-0.02	-11.88
28	226	0.0	0.08	2.61e-03	-11.67	0.0	-0.75	0.73	0.03	0.0	0.0	0.0
		-18.36	0.0	1.21e-03	0.0	276.7	-0.75	-10.95	0.03	0.0	0.08	-18.36
28	227	0.06	0.0	4.19e-03	-11.67	0.0	0.94	-0.73	-0.02	0.0	0.0	0.0
		-14.34	-0.04	-1.35e-03	0.0	276.7	0.94	-12.40	-0.02	0.0	-0.04	-14.34
28	245	0.0	0.02	5.49e-03	-20.64	0.0	0.12	0.0	6.42e-03	0.0	0.0	0.0
		-28.92	0.0	-4.68e-05	0.0	276.7	0.12	-20.64	6.42e-03	0.0	0.02	-28.92
28	255	0.0	0.02	3.56e-03	-11.67	0.0	0.11	0.0	8.10e-03	0.0	0.0	0.0
		-16.35	0.0	-1.00e-04	0.0	276.7	0.11	-11.67	8.10e-03	0.0	0.02	-16.35
28	271	0.0	0.02	5.72e-03	-20.64	0.0	0.16	0.0	8.61e-03	0.0	0.0	0.0
		-28.92	0.0	-8.45e-05	0.0	276.7	0.16	-20.64	8.61e-03	0.0	0.02	-28.92
28	280	0.0	0.03	4.67e-03	-16.15	0.0	0.13	0.0	9.12e-03	0.0	0.0	0.0
		-22.64	0.0	-9.08e-05	0.0	276.7	0.13	-16.15	9.12e-03	0.0	0.03	-22.64
28	285	0.0	0.01	3.22e-03	-11.67	0.0	0.06	0.0	4.90e-03	0.0	0.0	0.0
		-16.35	0.0	-4.28e-05	0.0	276.7	0.06	-11.67	4.90e-03	0.0	0.01	-16.35
28	288	0.0	0.02	4.57e-03	-16.15	0.0	0.11	0.0	8.13e-03	0.0	0.0	0.0
		-22.64	0.0	-7.78e-05	0.0	276.7	0.11	-16.15	8.13e-03	0.0	0.02	-22.64
28	298	0.0	0.02	3.43e-03	-11.67	0.0	0.10	0.0	7.20e-03	0.0	0.0	0.0
		-16.35	0.0	-7.32e-05	0.0	276.7	0.10	-11.67	7.20e-03	0.0	0.02	-16.35
28	299	0.0	0.01	3.68e-03	-13.47	0.0	0.08	0.0	5.08e-03	0.0	0.0	0.0
		-18.86	0.0	-4.55e-05	0.0	276.7	0.08	-13.47	5.08e-03	0.0	0.01	-18.86
28	301	0.0	0.02	3.86e-03	-13.47	0.0	0.11	0.0	7.17e-03	0.0	0.0	0.0
		-18.86	0.0	-7.11e-05	0.0	276.7	0.11	-13.47	7.17e-03	0.0	0.02	-18.86
28	308	0.0	0.01	3.22e-03	-11.67	0.0	0.07	0.0	4.79e-03	0.0	0.0	0.0
		-16.35	0.0	-4.33e-05	0.0	276.7	0.07	-11.67	4.79e-03	0.0	0.01	-16.35
28	309	0.0	0.01	3.22e-03	-11.67	0.0	0.07	0.0	4.76e-03	0.0	0.0	0.0
		-16.35	0.0	-4.35e-05	0.0	276.7	0.07	-11.67	4.76e-03	0.0	0.01	-16.35
28	310	0.0	0.02	3.40e-03	-11.67	0.0	0.10	0.0	6.85e-03	0.0	0.0	0.0
		-16.35	0.0	-6.90e-05	0.0	276.7	0.10	-11.67	6.85e-03	0.0	0.02	-16.35
29	9	0.0	0.09	6.59e-03	-46.27	0.0	-0.33	0.0	0.04	0.0	0.0	0.0
		-50.89	0.0	-7.78e-05	0.0	220.0	-0.33	-46.27	0.04	0.0	0.09	-50.89
29	45	0.0	0.04	2.44e-03	-16.70	0.0	-0.05	0.0	0.02	0.0	0.0	0.0
		-18.37	0.0	-7.30e-05	0.0	220.0	-0.05	-16.70	0.02	0.0	0.04	-18.37
29	59	0.0	0.12	6.79e-03	-46.27	0.0	-0.37	0.0	0.05	0.0	0.0	0.0
		-50.89	0.0	-1.33e-04	0.0	220.0	-0.37	-46.27	0.05	0.0	0.12	-50.89
29	65	0.0	0.06	3.61e-03	-24.49	0.0	-0.22	0.0	0.03	0.0	0.0	0.0
		-26.94	0.0	-6.75e-05	0.0	220.0	-0.22	-24.49	0.03	0.0	0.06	-26.94
29	83	0.0	0.12	6.75e-03	-46.27	0.0	-0.31	0.0	0.05	0.0	0.0	0.0
		-50.89	0.0	-1.32e-04	0.0	220.0	-0.31	-46.27	0.05	0.0	0.12	-50.89
29	101	0.0	0.04	2.42e-03	-16.70	0.0	-0.10	0.0	0.02	0.0	0.0	0.0
		-18.37	0.0	-4.50e-05	0.0	220.0	-0.10	-16.70	0.02	0.0	0.04	-18.37
29	130	0.0	0.14	1.95e-03	-17.91	0.0	0.72	-1.59	0.06	0.0	0.0	0.0
		-23.19	0.0	6.44e-04	0.0	220.0	0.72	-19.50	0.06	0.0	0.14	-23.19
29	131	0.14	0.0	3.43e-03	-17.91	0.0	-0.97	1.59	-7.36e-03	0.0	0.0	0.0

		-16.20	-0.02	-7.93e-04	0.0	220.0	-0.97	-16.32	-7.36e-03	0.0	-0.02	-16.20
29	141	0.22	0.02	3.32e-03	-17.91	0.0	-1.17	1.92	0.01	0.0	0.0	0.0
		-15.48	0.0	-5.38e-04	0.0	220.0	-1.17	-15.99	0.01	0.0	0.02	-15.48
29	144	0.0	0.10	2.07e-03	-17.91	0.0	0.92	-1.92	0.05	0.0	0.0	0.0
		-23.92	0.0	3.88e-04	0.0	220.0	0.92	-19.82	0.05	0.0	0.10	-23.92
29	162	0.0	0.15	1.86e-03	-17.91	0.0	0.84	-1.77	0.07	0.0	0.0	0.0
		-23.59	0.0	7.37e-04	0.0	220.0	0.84	-19.68	0.07	0.0	0.15	-23.59
29	163	0.18	0.0	3.53e-03	-17.91	0.0	-1.08	1.77	-0.01	0.0	0.0	0.0
		-15.80	-0.03	-8.87e-04	0.0	220.0	-1.08	-16.14	-0.01	0.0	-0.03	-15.80
29	173	0.28	0.02	3.39e-03	-17.91	0.0	-1.31	2.14	9.03e-03	0.0	0.0	0.0
		-15.00	0.0	-5.98e-04	0.0	220.0	-1.31	-15.77	9.03e-03	0.0	0.02	-15.00
29	176	0.0	0.11	1.99e-03	-17.91	0.0	1.06	-2.14	0.05	0.0	0.0	0.0
		-24.39	0.0	4.49e-04	0.0	220.0	1.06	-20.04	0.05	0.0	0.11	-24.39
29	194	0.0	0.15	1.86e-03	-17.91	0.0	0.87	-1.58	0.07	0.0	0.0	0.0
		-23.17	0.0	7.58e-04	0.0	220.0	0.87	-19.49	0.07	0.0	0.15	-23.17
29	195	0.14	0.0	3.53e-03	-17.91	0.0	-1.12	1.58	-0.01	0.0	0.0	0.0
		-16.22	-0.03	-9.08e-04	0.0	220.0	-1.12	-16.33	-0.01	0.0	-0.03	-16.22
29	205	0.21	0.02	3.40e-03	-17.91	0.0	-1.33	1.89	8.48e-03	0.0	0.0	0.0
		-15.54	0.0	-6.10e-04	0.0	220.0	-1.33	-16.02	8.48e-03	0.0	0.02	-15.54
29	208	0.0	0.11	1.99e-03	-17.91	0.0	1.09	-1.89	0.05	0.0	0.0	0.0
		-23.85	0.0	4.61e-04	0.0	220.0	1.09	-19.80	0.05	0.0	0.11	-23.85
29	226	0.0	0.17	1.70e-03	-17.91	0.0	1.08	-1.83	0.08	0.0	0.0	0.0
		-23.72	0.0	9.22e-04	0.0	220.0	1.08	-19.73	0.08	0.0	0.17	-23.72
29	227	0.20	0.0	3.69e-03	-17.91	0.0	-1.32	1.83	-0.02	0.0	0.0	0.0
		-15.67	-0.05	-1.07e-03	0.0	220.0	-1.32	-16.08	-0.02	0.0	-0.05	-15.67
29	237	0.29	0.01	3.53e-03	-17.91	0.0	-1.56	2.18	4.57e-03	0.0	0.0	0.0
		-14.90	0.0	-7.11e-04	0.0	220.0	-1.56	-15.73	4.57e-03	0.0	0.01	-14.90
29	240	0.0	0.12	1.86e-03	-17.91	0.0	1.31	-2.18	0.05	0.0	0.0	0.0
		-24.49	0.0	5.62e-04	0.0	220.0	1.31	-20.09	0.05	0.0	0.12	-24.49
29	245	0.0	0.06	4.62e-03	-32.43	0.0	-0.23	0.0	0.03	0.0	0.0	0.0
		-35.67	0.0	-5.61e-05	0.0	220.0	-0.23	-32.43	0.03	0.0	0.06	-35.67
29	261	0.0	0.05	2.62e-03	-17.91	0.0	-0.08	0.0	0.02	0.0	0.0	0.0
		-19.70	0.0	-6.71e-05	0.0	220.0	-0.08	-17.91	0.02	0.0	0.05	-19.70
29	271	0.0	0.08	4.75e-03	-32.43	0.0	-0.25	0.0	0.04	0.0	0.0	0.0
		-35.67	0.0	-9.28e-05	0.0	220.0	-0.25	-32.43	0.04	0.0	0.08	-35.67
29	273	0.0	0.04	2.63e-03	-17.91	0.0	-0.15	0.0	0.02	0.0	0.0	0.0
		-19.70	0.0	-4.92e-05	0.0	220.0	-0.15	-17.91	0.02	0.0	0.04	-19.70
29	283	0.0	0.08	4.72e-03	-32.43	0.0	-0.22	0.0	0.04	0.0	0.0	0.0
		-35.67	0.0	-9.20e-05	0.0	220.0	-0.22	-32.43	0.04	0.0	0.08	-35.67
29	289	0.0	0.05	2.60e-03	-17.91	0.0	-0.11	0.0	0.02	0.0	0.0	0.0
		-19.70	0.0	-4.84e-05	0.0	220.0	-0.11	-17.91	0.02	0.0	0.05	-19.70
29	297	0.0	0.05	2.60e-03	-17.91	0.0	-0.11	0.0	0.02	0.0	0.0	0.0
		-19.70	0.0	-4.84e-05	0.0	220.0	-0.11	-17.91	0.02	0.0	0.05	-19.70
29	299	0.0	0.05	3.01e-03	-20.81	0.0	-0.13	0.0	0.02	0.0	0.0	0.0
		-22.89	0.0	-5.10e-05	0.0	220.0	-0.13	-20.81	0.02	0.0	0.05	-22.89
29	301	0.0	0.07	3.10e-03	-20.81	0.0	-0.14	0.0	0.03	0.0	0.0	0.0
		-22.89	0.0	-7.73e-05	0.0	220.0	-0.14	-20.81	0.03	0.0	0.07	-22.89
29	304	0.0	0.05	2.61e-03	-17.91	0.0	-0.11	0.0	0.02	0.0	0.0	0.0
		-19.70	0.0	-5.21e-05	0.0	220.0	-0.11	-17.91	0.02	0.0	0.05	-19.70
29	306	0.0	0.05	2.61e-03	-17.91	0.0	-0.12	0.0	0.02	0.0	0.0	0.0
		-19.70	0.0	-4.85e-05	0.0	220.0	-0.12	-17.91	0.02	0.0	0.05	-19.70
29	309	0.0	0.05	2.60e-03	-17.91	0.0	-0.11	0.0	0.02	0.0	0.0	0.0
		-19.70	0.0	-4.84e-05	0.0	220.0	-0.11	-17.91	0.02	0.0	0.05	-19.70
29	310	0.0	0.06	2.69e-03	-17.91	0.0	-0.12	0.0	0.03	0.0	0.0	0.0
		-19.70	0.0	-7.46e-05	0.0	220.0	-0.12	-17.91	0.03	0.0	0.06	-19.70
30	4	0.0	0.14	2.31e-03	-18.63	0.0	0.69	0.0	0.06	1.15e-06	0.0	0.0
		-20.49	0.0	-1.31e-04	0.0	220.0	0.69	-18.63	0.06	1.15e-06	0.14	-20.49
30	9	0.0	0.08	3.05e-03	-24.17	0.0	0.27	0.0	0.04	1.82e-06	0.0	0.0
		-26.59	0.0	-7.22e-05	0.0	220.0	0.27	-24.17	0.04	1.82e-06	0.08	-26.59
30	28	0.0	0.12	2.35e-03	-18.63	0.0	0.80	0.0	0.06	1.15e-06	0.0	0.0
		-20.49	0.0	-1.55e-04	0.0	220.0	0.80	-18.63	0.06	1.15e-06	0.12	-20.49
30	41	0.0	0.05	1.70e-03	-13.08	0.0	0.41	0.0	0.02	0.0	0.0	0.0
		-14.39	0.0	-8.96e-05	0.0	220.0	0.41	-13.08	0.02	0.0	0.05	-14.39
30	69	0.0	0.03	1.11e-03	-8.97	0.0	0.04	0.0	0.01	0.0	0.0	0.0
		-9.87	0.0	-4.46e-05	0.0	220.0	0.04	-8.97	0.01	0.0	0.03	-9.87
30	80	0.0	0.11	1.82e-03	-14.52	0.0	0.68	0.0	0.05	0.0	0.0	0.0
		-15.97	0.0	-1.18e-04	0.0	220.0	0.68	-14.52	0.05	0.0	0.11	-15.97
30	114	0.0	0.50	8.81e-04	-9.59	0.0	3.90	0.21	0.23	0.0	0.0	0.0
		-11.27	0.0	3.81e-04	0.0	220.0	3.90	-9.38	0.23	0.0	0.50	-11.27
30	115	4.01e-03	0.0	1.52e-03	-9.59	0.0	-3.14	-0.21	-0.16	0.0	0.0	0.0
		-9.83	-0.36	-5.28e-04	0.0	220.0	-3.14	-9.80	-0.16	0.0	-0.36	-9.83
30	126	0.0	0.36	8.41e-04	-9.59	0.0	2.34	0.30	0.17	0.0	0.0	0.0
		-11.52	0.0	-7.76e-04	0.0	220.0	2.34	-9.29	0.17	0.0	0.36	-11.52
30	127	0.02	0.0	1.56e-03	-9.59	0.0	-1.58	-0.30	-0.10	0.0	0.0	0.0
		-9.58	-0.22	6.29e-04	0.0	220.0	-1.58	-9.89	-0.10	0.0	-0.22	-9.58

30	130	0.0	0.49	1.37e-03	-9.59	0.0	4.39	-0.12	0.22	0.0	0.0	0.0
		-11.16	0.0	6.13e-04	0.0	220.0	4.39	-9.71	0.22	0.0	0.49	-11.16
30	131	0.0	0.0	1.04e-03	-9.59	0.0	-3.63	0.12	-0.16	0.0	0.0	0.0
		-9.94	-0.35	-7.60e-04	0.0	220.0	-3.63	-9.47	-0.16	0.0	-0.35	-9.94
30	146	0.0	0.55	8.43e-04	-9.59	0.0	4.34	0.23	0.25	0.0	0.0	0.0
		-11.35	0.0	4.32e-04	0.0	220.0	4.34	-9.36	0.25	0.0	0.55	-11.35
30	147	9.00e-03	0.0	1.56e-03	-9.59	0.0	-3.58	-0.23	-0.19	0.0	0.0	0.0
		-9.75	-0.41	-5.79e-04	0.0	220.0	-3.58	-9.82	-0.19	0.0	-0.41	-9.75
30	158	0.0	0.40	7.97e-04	-9.59	0.0	2.59	0.34	0.18	0.0	0.0	0.0
		-11.62	0.0	-8.65e-04	0.0	220.0	2.59	-9.25	0.18	0.0	0.40	-11.62
30	159	0.03	0.0	1.60e-03	-9.59	0.0	-1.83	-0.34	-0.12	0.0	0.0	0.0
		-9.48	-0.26	7.19e-04	0.0	220.0	-1.83	-9.93	-0.12	0.0	-0.26	-9.48
30	162	0.0	0.54	1.39e-03	-9.59	0.0	4.91	-0.13	0.25	0.0	0.0	0.0
		-11.23	0.0	7.03e-04	0.0	220.0	4.91	-9.72	0.25	0.0	0.54	-11.23
30	163	1.38e-03	0.0	1.01e-03	-9.59	0.0	-4.15	0.13	-0.18	0.0	0.0	0.0
		-9.87	-0.41	-8.49e-04	0.0	220.0	-4.15	-9.46	-0.18	0.0	-0.41	-9.87
30	190	0.0	0.40	8.11e-04	-9.59	0.0	2.59	0.29	0.18	0.0	0.0	0.0
		-11.51	0.0	-8.67e-04	0.0	220.0	2.59	-9.30	0.18	0.0	0.40	-11.51
30	191	0.02	0.0	1.59e-03	-9.59	0.0	-1.83	-0.29	-0.12	0.0	0.0	0.0
		-9.59	-0.26	7.20e-04	0.0	220.0	-1.83	-9.88	-0.12	0.0	-0.26	-9.59
30	194	0.0	0.55	1.40e-03	-9.59	0.0	5.01	-0.12	0.25	0.0	0.0	0.0
		-11.18	0.0	7.22e-04	0.0	220.0	5.01	-9.71	0.25	0.0	0.55	-11.18
30	195	0.0	0.0	1.00e-03	-9.59	0.0	-4.25	0.12	-0.19	0.0	0.0	0.0
		-9.92	-0.41	-8.68e-04	0.0	220.0	-4.25	-9.47	-0.19	0.0	-0.41	-9.92
30	222	0.0	0.45	7.51e-04	-9.59	0.0	2.97	0.34	0.21	0.0	0.0	0.0
		-11.65	0.0	-1.01e-03	0.0	220.0	2.97	-9.25	0.21	0.0	0.45	-11.65
30	223	0.03	0.0	1.65e-03	-9.59	0.0	-2.21	-0.34	-0.14	0.0	0.0	0.0
		-9.45	-0.31	8.61e-04	0.0	220.0	-2.21	-9.93	-0.14	0.0	-0.31	-9.45
30	226	0.0	0.65	1.45e-03	-9.59	0.0	5.92	-0.15	0.29	0.0	0.0	0.0
		-11.29	0.0	8.77e-04	0.0	220.0	5.92	-9.74	0.29	0.0	0.65	-11.29
30	227	4.97e-03	0.0	9.54e-04	-9.59	0.0	-5.16	0.15	-0.23	0.0	0.0	0.0
		-9.81	-0.51	-1.02e-03	0.0	220.0	-5.16	-9.44	-0.23	0.0	-0.51	-9.81
30	244	0.0	0.09	1.65e-03	-13.29	0.0	0.48	0.0	0.04	0.0	0.0	0.0
		-14.61	0.0	-9.15e-05	0.0	220.0	0.48	-13.29	0.04	0.0	0.09	-14.61
30	245	0.0	0.06	2.14e-03	-16.98	0.0	0.19	0.0	0.03	1.07e-06	0.0	0.0
		-18.68	0.0	-5.21e-05	0.0	220.0	0.19	-16.98	0.03	1.07e-06	0.06	-18.68
30	256	0.0	0.09	1.68e-03	-13.29	0.0	0.55	0.0	0.04	0.0	0.0	0.0
		-14.61	0.0	-1.07e-04	0.0	220.0	0.55	-13.29	0.04	0.0	0.09	-14.61
30	261	0.0	0.04	1.24e-03	-9.59	0.0	0.29	0.0	0.02	0.0	0.0	0.0
		-10.55	0.0	-6.37e-05	0.0	220.0	0.29	-9.59	0.02	0.0	0.04	-10.55
30	273	0.0	0.04	1.20e-03	-9.59	0.0	0.10	0.0	0.02	0.0	0.0	0.0
		-10.55	0.0	-4.73e-05	0.0	220.0	0.10	-9.59	0.02	0.0	0.04	-10.55
30	280	0.0	0.09	1.67e-03	-13.29	0.0	0.53	0.0	0.04	0.0	0.0	0.0
		-14.61	0.0	-9.64e-05	0.0	220.0	0.53	-13.29	0.04	0.0	0.09	-14.61
30	298	0.0	0.07	1.20e-03	-9.59	0.0	0.41	0.0	0.03	0.0	0.0	0.0
		-10.55	0.0	-7.77e-05	0.0	220.0	0.41	-9.59	0.03	0.0	0.07	-10.55
30	299	0.0	0.05	1.40e-03	-11.07	0.0	0.21	0.0	0.02	0.0	0.0	0.0
		-12.18	0.0	-4.85e-05	0.0	220.0	0.21	-11.07	0.02	0.0	0.05	-12.18
30	304	0.0	0.04	1.22e-03	-9.59	0.0	0.22	0.0	0.02	0.0	0.0	0.0
		-10.55	0.0	-4.97e-05	0.0	220.0	0.22	-9.59	0.02	0.0	0.04	-10.55
30	306	0.0	0.04	1.21e-03	-9.59	0.0	0.18	0.0	0.02	0.0	0.0	0.0
		-10.55	0.0	-4.64e-05	0.0	220.0	0.18	-9.59	0.02	0.0	0.04	-10.55
30	309	0.0	0.05	1.21e-03	-9.59	0.0	0.20	0.0	0.02	0.0	0.0	0.0
		-10.55	0.0	-4.62e-05	0.0	220.0	0.20	-9.59	0.02	0.0	0.05	-10.55
30	310	0.0	0.07	1.20e-03	-9.59	0.0	0.38	0.0	0.03	0.0	0.0	0.0
		-10.55	0.0	-7.32e-05	0.0	220.0	0.38	-9.59	0.03	0.0	0.07	-10.55
31	9	0.0	0.04	-0.03	-39.52	0.0	-2.60	39.52	-0.01	-1.32e-06	0.04	-64.51
		-64.51	0.0	-1.11e-05	0.0	326.5	-2.60	0.0	-0.01	-1.32e-06	0.0	0.0
31	19	0.0	0.02	-0.01	-14.59	0.0	-0.91	14.59	-5.56e-03	0.0	0.02	-23.82
		-23.82	0.0	1.37e-05	0.0	326.5	-0.91	0.0	-5.56e-03	0.0	0.0	0.0
31	35	0.0	0.05	-0.03	-39.52	0.0	-2.69	39.52	-0.02	-1.32e-06	0.05	-64.51
		-64.51	0.0	-7.28e-05	0.0	326.5	-2.69	0.0	-0.02	-1.32e-06	0.0	0.0
31	65	0.0	0.03	-0.02	-21.30	0.0	-1.10	21.30	-8.69e-03	0.0	0.03	-34.77
		-34.77	0.0	-3.40e-05	0.0	326.5	-1.10	0.0	-8.69e-03	0.0	0.0	0.0
31	69	0.0	0.02	-0.01	-14.59	0.0	-0.72	14.59	-5.73e-03	0.0	0.02	-23.82
		-23.82	0.0	-2.95e-05	0.0	326.5	-0.72	0.0	-5.73e-03	0.0	0.0	0.0
31	83	0.0	0.05	-0.03	-39.52	0.0	-2.73	39.52	-0.02	-1.32e-06	0.05	-64.51
		-64.51	0.0	-3.64e-05	0.0	326.5	-2.73	0.0	-0.02	-1.32e-06	0.0	0.0
31	113	0.0	9.82e-03	-0.01	-15.60	0.0	-0.42	14.33	-3.01e-03	0.0	9.82e-03	-28.36
		-28.36	0.0	-1.89e-03	0.0	326.5	-0.42	-1.27	-3.01e-03	0.0	0.0	0.0
31	118	0.0	0.02	-9.36e-03	-15.60	0.0	-1.02	14.75	-5.92e-03	0.0	0.02	-29.72
		-29.72	0.0	-2.26e-05	0.0	326.5	-1.02	-0.85	-5.92e-03	0.0	0.0	0.0
31	119	0.17	0.03	-0.01	-15.60	0.0	-0.97	16.46	-0.01	0.0	0.03	-21.22
		-21.22	0.0	-2.97e-05	0.0	326.5	-0.97	0.85	-0.01	0.0	0.0	0.0
31	136	0.0	0.05	-0.01	-15.60	0.0	-1.92	16.06	-0.02	0.0	0.05	-26.96

		-26.96	0.0	3.64e-03	0.0	326.5	-1.92	0.46	-0.02	0.0	0.0	0.0
31	141	0.02	0.01	-0.01	-15.60	0.0	0.36	15.04	-3.60e-03	0.0	0.01	-23.64
		-23.64	0.0	-2.53e-03	0.0	326.5	0.36	-0.56	-3.60e-03	0.0	0.0	0.0
31	144	0.0	0.04	-0.01	-15.60	0.0	-2.36	16.17	-0.01	0.0	0.04	-27.31
		-27.31	0.0	2.48e-03	0.0	326.5	-2.36	0.56	-0.01	0.0	0.0	0.0
31	150	0.0	0.02	-9.08e-03	-15.60	0.0	-1.03	14.65	-5.67e-03	0.0	0.02	-30.21
		-30.21	0.0	-2.19e-05	0.0	326.5	-1.03	-0.95	-5.67e-03	0.0	0.0	0.0
31	151	0.20	0.03	-0.01	-15.60	0.0	-0.97	16.55	-0.01	0.0	0.03	-20.74
		-20.74	0.0	-3.04e-05	0.0	326.5	-0.97	0.95	-0.01	0.0	0.0	0.0
31	165	4.18e-03	0.0	-0.01	-15.60	0.0	0.04	15.10	3.59e-04	0.0	-1.17e-03	-23.81
		-23.81	-1.17e-03	-4.16e-03	0.0	326.5	0.04	-0.51	3.59e-04	0.0	0.0	0.0
31	168	0.0	0.05	-0.01	-15.60	0.0	-2.04	16.11	-0.02	0.0	0.05	-27.13
		-27.13	0.0	4.11e-03	0.0	326.5	-2.04	0.51	-0.02	0.0	0.0	0.0
31	173	0.03	9.90e-03	-0.01	-15.60	0.0	0.54	14.98	-3.03e-03	0.0	9.90e-03	-23.43
		-23.43	0.0	-2.85e-03	0.0	326.5	0.54	-0.63	-3.03e-03	0.0	0.0	0.0
31	176	0.0	0.04	-0.01	-15.60	0.0	-2.53	16.23	-0.01	0.0	0.04	-27.52
		-27.52	0.0	2.80e-03	0.0	326.5	-2.53	0.63	-0.01	0.0	0.0	0.0
31	182	0.0	0.02	-9.20e-03	-15.60	0.0	-1.05	14.73	-5.73e-03	0.0	0.02	-29.87
		-29.87	0.0	-2.35e-05	0.0	326.5	-1.05	-0.87	-5.73e-03	0.0	0.0	0.0
31	183	0.18	0.03	-0.01	-15.60	0.0	-0.95	16.48	-0.01	0.0	0.03	-21.08
		-21.08	0.0	-2.88e-05	0.0	326.5	-0.95	0.87	-0.01	0.0	0.0	0.0
31	197	0.0	0.0	-0.01	-15.60	0.0	0.06	15.13	6.03e-04	0.0	-1.97e-03	-23.93
		-23.93	-1.97e-03	-4.18e-03	0.0	326.5	0.06	-0.47	6.03e-04	0.0	0.0	0.0
31	200	0.0	0.05	-0.01	-15.60	0.0	-2.06	16.08	-0.02	0.0	0.05	-27.01
		-27.01	0.0	4.13e-03	0.0	326.5	-2.06	0.47	-0.02	0.0	0.0	0.0
31	205	0.02	9.68e-03	-0.01	-15.60	0.0	0.56	15.01	-2.97e-03	0.0	9.68e-03	-23.54
		-23.54	0.0	-2.85e-03	0.0	326.5	0.56	-0.59	-2.97e-03	0.0	0.0	0.0
31	208	0.0	0.04	-0.01	-15.60	0.0	-2.56	16.20	-0.01	0.0	0.04	-27.40
		-27.40	0.0	2.80e-03	0.0	326.5	-2.56	0.59	-0.01	0.0	0.0	0.0
31	214	0.0	0.02	-8.81e-03	-15.60	0.0	-1.07	14.60	-5.35e-03	0.0	0.02	-30.54
		-30.54	0.0	-2.38e-05	0.0	326.5	-1.07	-1.00	-5.35e-03	0.0	0.0	0.0
31	215	0.23	0.03	-0.01	-15.60	0.0	-0.93	16.60	-0.01	0.0	0.03	-20.41
		-20.41	0.0	-2.85e-05	0.0	326.5	-0.93	1.00	-0.01	0.0	0.0	0.0
31	229	0.01	0.0	-0.01	-15.60	0.0	0.26	15.06	2.32e-03	0.0	-7.58e-03	-23.68
		-23.68	-7.58e-03	-4.94e-03	0.0	326.5	0.26	-0.55	2.32e-03	0.0	0.0	0.0
31	232	0.0	0.06	-0.01	-15.60	0.0	-2.26	16.15	-0.02	0.0	0.06	-27.26
		-27.26	0.0	4.89e-03	0.0	326.5	-2.26	0.55	-0.02	0.0	0.0	0.0
31	237	0.04	6.66e-03	-0.01	-15.60	0.0	0.85	14.91	-2.04e-03	0.0	6.66e-03	-23.21
		-23.21	0.0	-3.35e-03	0.0	326.5	0.85	-0.69	-2.04e-03	0.0	0.0	0.0
31	240	0.0	0.05	-0.01	-15.60	0.0	-2.85	16.30	-0.01	0.0	0.05	-27.73
		-27.73	0.0	3.30e-03	0.0	326.5	-2.85	0.69	-0.01	0.0	0.0	0.0
31	245	0.0	0.03	-0.02	-27.75	0.0	-1.84	27.75	-8.68e-03	0.0	0.03	-45.30
		-45.30	0.0	-8.47e-06	0.0	326.5	-1.84	0.0	-8.68e-03	0.0	0.0	0.0
31	248	0.0	0.02	-0.01	-15.60	0.0	-0.96	15.60	-6.17e-03	0.0	0.02	-25.47
		-25.47	0.0	4.72e-06	0.0	326.5	-0.96	0.0	-6.17e-03	0.0	0.0	0.0
31	259	0.0	0.04	-0.02	-27.75	0.0	-1.89	27.75	-0.01	0.0	0.04	-45.30
		-45.30	0.0	-5.00e-05	0.0	326.5	-1.89	0.0	-0.01	0.0	0.0	0.0
31	273	0.0	0.02	-0.01	-15.60	0.0	-0.83	15.60	-6.28e-03	0.0	0.02	-25.47
		-25.47	0.0	-2.41e-05	0.0	326.5	-0.83	0.0	-6.28e-03	0.0	0.0	0.0
31	283	0.0	0.04	-0.02	-27.75	0.0	-1.92	27.75	-0.01	0.0	0.04	-45.30
		-45.30	0.0	-2.57e-05	0.0	326.5	-1.92	0.0	-0.01	0.0	0.0	0.0
31	299	0.0	0.02	-0.01	-18.03	0.0	-1.15	18.03	-6.80e-03	0.0	0.02	-29.44
		-29.44	0.0	-1.30e-05	0.0	326.5	-1.15	0.0	-6.80e-03	0.0	0.0	0.0
31	301	0.0	0.03	-0.01	-18.03	0.0	-1.17	18.03	-8.48e-03	0.0	0.03	-29.44
		-29.44	0.0	-2.63e-05	0.0	326.5	-1.17	0.0	-8.48e-03	0.0	0.0	0.0
31	302	0.0	0.02	-0.01	-15.60	0.0	-0.97	15.60	-6.28e-03	0.0	0.02	-25.47
		-25.47	0.0	-1.01e-05	0.0	326.5	-0.97	0.0	-6.28e-03	0.0	0.0	0.0
31	306	0.0	0.02	-0.01	-15.60	0.0	-0.94	15.60	-6.30e-03	0.0	0.02	-25.47
		-25.47	0.0	-1.49e-05	0.0	326.5	-0.94	0.0	-6.30e-03	0.0	0.0	0.0
31	309	0.0	0.02	-0.01	-15.60	0.0	-0.97	15.60	-6.31e-03	0.0	0.02	-25.47
		-25.47	0.0	-1.27e-05	0.0	326.5	-0.97	0.0	-6.31e-03	0.0	0.0	0.0
31	310	0.0	0.03	-0.01	-15.60	0.0	-1.00	15.60	-7.99e-03	0.0	0.03	-25.47
		-25.47	0.0	-2.61e-05	0.0	326.5	-1.00	0.0	-7.99e-03	0.0	0.0	0.0
32	9	0.0	5.35e-03	-9.54e-03	-57.19	0.0	-1.10	57.19	-2.39e-03	0.0	5.35e-03	-64.15
		-64.15	0.0	-1.24e-05	0.0	224.3	-1.10	0.0	-2.39e-03	0.0	0.0	0.0
32	35	0.0	6.91e-03	-9.84e-03	-57.19	0.0	-1.24	57.19	-3.08e-03	0.0	6.91e-03	-64.15
		-64.15	0.0	-6.37e-05	0.0	224.3	-1.24	0.0	-3.08e-03	0.0	0.0	0.0
32	65	0.0	1.30e-03	-5.24e-03	-30.14	0.0	-0.58	30.14	-5.78e-04	0.0	1.30e-03	-33.81
		-33.81	0.0	-3.15e-05	0.0	224.3	-0.58	0.0	-5.78e-04	0.0	0.0	0.0
32	69	0.0	0.0	-3.59e-03	-20.52	0.0	-0.39	20.52	3.08e-05	0.0	-6.91e-05	-23.02
		-23.02	-6.91e-05	-2.58e-05	0.0	224.3	-0.39	0.0	3.08e-05	0.0	0.0	0.0
32	76	0.0	7.76e-03	-7.77e-03	-43.67	0.0	-1.01	43.67	-3.46e-03	0.0	7.76e-03	-48.98
		-48.98	0.0	-4.48e-05	0.0	224.3	-1.01	0.0	-3.46e-03	0.0	0.0	0.0
32	114	0.0	0.05	-3.90e-03	-22.03	0.0	1.13	22.46	-0.02	0.0	0.05	-25.67
		-25.67	0.0	4.89e-04	0.0	224.3	1.13	0.43	-0.02	0.0	0.0	0.0

32	115	0.0	0.0	-3.98e-03	-22.03	0.0	-2.13	21.60	0.02	0.0	-0.04	-23.74
		-23.74	-0.04	-5.39e-04	0.0	224.3	-2.13	-0.43	0.02	0.0	0.0	0.0
32	130	0.0	0.06	-3.00e-03	-22.03	0.0	0.79	24.27	-0.03	0.0	0.06	-29.73
		-29.73	0.0	3.25e-03	0.0	224.3	0.79	2.24	-0.03	0.0	0.0	0.0
32	131	0.24	0.0	-4.89e-03	-22.03	0.0	-1.79	19.79	0.02	0.0	-0.05	-19.68
		-19.68	-0.05	-3.30e-03	0.0	224.3	-1.79	-2.24	0.02	0.0	0.0	0.0
32	141	0.42	0.0	-5.24e-03	-22.03	0.0	-0.82	19.14	0.02	0.0	-0.04	-18.22
		-18.22	-0.04	-2.43e-03	0.0	224.3	-0.82	-2.89	0.02	0.0	0.0	0.0
32	144	0.0	0.04	-2.65e-03	-22.03	0.0	-0.19	24.92	-0.02	0.0	0.04	-31.19
		-31.19	0.0	2.38e-03	0.0	224.3	-0.19	2.89	-0.02	0.0	0.0	0.0
32	146	0.0	0.05	-3.90e-03	-22.03	0.0	1.33	22.51	-0.02	0.0	0.05	-25.78
		-25.78	0.0	5.54e-04	0.0	224.3	1.33	0.48	-0.02	0.0	0.0	0.0
32	147	0.0	0.0	-3.99e-03	-22.03	0.0	-2.33	21.55	0.02	0.0	-0.04	-23.63
		-23.63	-0.04	-6.04e-04	0.0	224.3	-2.33	-0.48	0.02	0.0	0.0	0.0
32	162	0.0	0.07	-2.88e-03	-22.03	0.0	0.95	24.53	-0.03	0.0	0.07	-30.31
		-30.31	0.0	3.67e-03	0.0	224.3	0.95	2.50	-0.03	0.0	0.0	0.0
32	163	0.31	0.0	-5.00e-03	-22.03	0.0	-1.96	19.53	0.03	0.0	-0.06	-19.10
		-19.10	-0.06	-3.72e-03	0.0	224.3	-1.96	-2.50	0.03	0.0	0.0	0.0
32	173	0.52	0.0	-5.40e-03	-22.03	0.0	-0.86	18.81	0.02	0.0	-0.04	-17.49
		-17.49	-0.04	-2.73e-03	0.0	224.3	-0.86	-3.22	0.02	0.0	0.0	0.0
32	176	0.0	0.05	-2.49e-03	-22.03	0.0	-0.14	25.25	-0.02	0.0	0.05	-31.93
		-31.93	0.0	2.68e-03	0.0	224.3	-0.14	3.22	-0.02	0.0	0.0	0.0
32	178	0.0	0.05	-3.90e-03	-22.03	0.0	1.30	22.47	-0.02	0.0	0.05	-25.69
		-25.69	0.0	5.52e-04	0.0	224.3	1.30	0.44	-0.02	0.0	0.0	0.0
32	179	0.0	0.0	-3.99e-03	-22.03	0.0	-2.31	21.59	0.02	0.0	-0.04	-23.72
		-23.72	-0.04	-6.03e-04	0.0	224.3	-2.31	-0.44	0.02	0.0	0.0	0.0
32	194	0.0	0.07	-2.89e-03	-22.03	0.0	0.97	24.35	-0.03	0.0	0.07	-29.92
		-29.92	0.0	3.67e-03	0.0	224.3	0.97	2.32	-0.03	0.0	0.0	0.0
32	195	0.27	0.0	-5.00e-03	-22.03	0.0	-1.98	19.70	0.03	0.0	-0.06	-19.50
		-19.50	-0.06	-3.72e-03	0.0	224.3	-1.98	-2.32	0.03	0.0	0.0	0.0
32	205	0.45	0.0	-5.39e-03	-22.03	0.0	-0.88	19.04	0.02	0.0	-0.04	-18.01
		-18.01	-0.04	-2.72e-03	0.0	224.3	-0.88	-2.99	0.02	0.0	0.0	0.0
32	208	0.0	0.05	-2.50e-03	-22.03	0.0	-0.13	25.01	-0.02	0.0	0.05	-31.40
		-31.40	0.0	2.67e-03	0.0	224.3	-0.13	2.99	-0.02	0.0	0.0	0.0
32	210	0.0	0.06	-3.88e-03	-22.03	0.0	1.61	22.55	-0.03	0.0	0.06	-25.87
		-25.87	0.0	6.56e-04	0.0	224.3	1.61	0.52	-0.03	0.0	0.0	0.0
32	211	0.0	0.0	-4.00e-03	-22.03	0.0	-2.61	21.51	0.02	0.0	-0.05	-23.54
		-23.54	-0.05	-7.06e-04	0.0	224.3	-2.61	-0.52	0.02	0.0	0.0	0.0
32	226	0.0	0.08	-2.68e-03	-22.03	0.0	1.25	24.76	-0.04	0.0	0.08	-30.85
		-30.85	0.0	4.32e-03	0.0	224.3	1.25	2.74	-0.04	0.0	0.0	0.0
32	227	0.38	0.0	-5.20e-03	-22.03	0.0	-2.26	19.29	0.03	0.0	-0.07	-18.57
		-18.57	-0.07	-4.37e-03	0.0	224.3	-2.26	-2.74	0.03	0.0	0.0	0.0
32	237	0.61	0.0	-5.65e-03	-22.03	0.0	-0.95	18.52	0.02	0.0	-0.05	-16.84
		-16.84	-0.05	-3.19e-03	0.0	224.3	-0.95	-3.51	0.02	0.0	0.0	0.0
32	240	0.0	0.06	-2.23e-03	-22.03	0.0	-0.05	25.54	-0.03	0.0	0.06	-32.58
		-32.58	0.0	3.14e-03	0.0	224.3	-0.05	3.51	-0.03	0.0	0.0	0.0
32	245	0.0	3.80e-03	-6.69e-03	-40.06	0.0	-0.78	40.06	-1.69e-03	0.0	3.80e-03	-44.94
		-44.94	0.0	-9.71e-06	0.0	224.3	-0.78	0.0	-1.69e-03	0.0	0.0	0.0
32	259	0.0	4.83e-03	-6.89e-03	-40.06	0.0	-0.87	40.06	-2.15e-03	0.0	4.83e-03	-44.94
		-44.94	0.0	-4.39e-05	0.0	224.3	-0.87	0.0	-2.15e-03	0.0	0.0	0.0
32	263	0.0	3.96e-03	-3.96e-03	-22.03	0.0	-0.54	22.03	-1.77e-03	0.0	3.96e-03	-24.71
		-24.71	0.0	-5.08e-05	0.0	224.3	-0.54	0.0	-1.77e-03	0.0	0.0	0.0
32	273	0.0	1.09e-03	-3.82e-03	-22.03	0.0	-0.43	22.03	-4.87e-04	0.0	1.09e-03	-24.71
		-24.71	0.0	-2.24e-05	0.0	224.3	-0.43	0.0	-4.87e-04	0.0	0.0	0.0
32	280	0.0	5.40e-03	-5.51e-03	-31.05	0.0	-0.72	31.05	-2.41e-03	0.0	5.40e-03	-34.82
		-34.82	0.0	-3.13e-05	0.0	224.3	-0.72	0.0	-2.41e-03	0.0	0.0	0.0
32	299	0.0	3.10e-03	-4.35e-03	-25.63	0.0	-0.52	25.63	-1.38e-03	0.0	3.10e-03	-28.75
		-28.75	0.0	-1.48e-05	0.0	224.3	-0.52	0.0	-1.38e-03	0.0	0.0	0.0
32	301	0.0	3.99e-03	-4.53e-03	-25.63	0.0	-0.57	25.63	-1.78e-03	0.0	3.99e-03	-28.75
		-28.75	0.0	-2.57e-05	0.0	224.3	-0.57	0.0	-1.78e-03	0.0	0.0	0.0
32	305	0.0	3.82e-03	-3.94e-03	-22.03	0.0	-0.51	22.03	-1.70e-03	0.0	3.82e-03	-24.71
		-24.71	0.0	-3.00e-05	0.0	224.3	-0.51	0.0	-1.70e-03	0.0	0.0	0.0
32	306	0.0	2.56e-03	-3.78e-03	-22.03	0.0	-0.44	22.03	-1.14e-03	0.0	2.56e-03	-24.71
		-24.71	0.0	-1.59e-05	0.0	224.3	-0.44	0.0	-1.14e-03	0.0	0.0	0.0
32	309	0.0	2.93e-03	-3.77e-03	-22.03	0.0	-0.45	22.03	-1.31e-03	0.0	2.93e-03	-24.71
		-24.71	0.0	-1.43e-05	0.0	224.3	-0.45	0.0	-1.31e-03	0.0	0.0	0.0
32	310	0.0	3.82e-03	-3.94e-03	-22.03	0.0	-0.50	22.03	-1.70e-03	0.0	3.82e-03	-24.71
		-24.71	0.0	-2.52e-05	0.0	224.3	-0.50	0.0	-1.70e-03	0.0	0.0	0.0
33	19	-15.32	0.01	8.21e-05	-5.66	0.0	-0.18	23.46	-0.03	0.0	0.01	-26.05
		-26.05	-1.03e-03	1.25e-06	0.0	52.0	-0.18	17.80	-0.03	0.0	-1.03e-03	-15.32
33	20	-15.41	0.01	8.89e-05	-5.66	0.0	-0.21	23.29	-0.03	0.0	0.01	-26.05
		-26.05	-1.16e-03	1.18e-06	0.0	52.0	-0.21	17.63	-0.03	0.0	-1.16e-03	-15.41
33	27	-58.65	0.05	2.94e-04	-21.55	0.0	0.42	88.91	-0.10	0.0	0.05	-99.28
		-99.28	-4.29e-03	-3.22e-06	0.0	52.0	0.42	67.36	-0.10	0.0	-4.29e-03	-58.65
33	28	-58.74	0.05	3.01e-04	-21.55	0.0	0.40	88.74	-0.10	0.0	0.05	-99.28

		-99.28	-4.43e-03	-3.30e-06	0.0	52.0	0.40	67.19	-0.10	0.0	-4.43e-03	-58.74
33	43	-48.24	0.04	2.41e-04	-17.69	0.0	0.49	72.85	-0.08	0.0	0.04	-81.52
		-81.52	-4.05e-03	-4.23e-06	0.0	52.0	0.49	55.16	-0.08	0.0	-4.05e-03	-48.24
33	51	-58.58	0.05	3.07e-04	-21.55	0.0	0.24	88.95	-0.11	0.0	0.05	-99.23
		-99.23	-3.60e-03	0.0	0.0	52.0	0.24	67.40	-0.11	0.0	-3.60e-03	-58.58
33	122	-27.41	0.04	1.04e-04	-11.38	0.0	-3.64	49.59	-0.07	0.0	0.04	-52.27
		-52.27	-2.12e-03	1.79e-05	0.0	52.0	-3.64	38.20	-0.07	0.0	-2.12e-03	-27.41
33	123	-34.47	7.61e-03	2.12e-04	-11.38	0.0	3.80	44.44	-0.04	0.0	7.61e-03	-52.59
		-52.59	-2.31e-03	-1.93e-05	0.0	52.0	3.80	33.06	-0.04	0.0	-2.31e-03	-34.47
33	140	-27.90	-0.02	2.19e-05	-11.38	0.0	-0.14	49.71	0.11	0.0	-0.04	-58.34
		-58.34	-0.04	1.16e-05	0.0	52.0	-0.14	38.32	0.11	0.0	-0.02	-27.90
33	141	-33.95	0.10	3.42e-04	-11.38	0.0	-0.16	44.51	-0.22	0.0	0.10	-46.64
		-46.64	0.02	-1.80e-05	0.0	52.0	-0.16	33.13	-0.22	0.0	0.02	-33.95
33	142	-26.45	-0.02	-2.92e-05	-11.38	0.0	-1.66	50.57	0.08	0.0	-0.03	-57.23
		-57.23	-0.03	1.66e-05	0.0	52.0	-1.66	39.19	0.08	0.0	-0.02	-26.45
33	144	-27.93	-0.02	-2.66e-05	-11.38	0.0	0.32	49.52	0.11	0.0	-0.05	-58.21
		-58.21	-0.05	1.66e-05	0.0	52.0	0.32	38.13	0.11	0.0	-0.02	-27.93
33	154	-26.96	0.05	9.65e-05	-11.38	0.0	-4.10	49.91	-0.07	0.0	0.05	-52.26
		-52.26	-2.13e-03	2.05e-05	0.0	52.0	-4.10	38.53	-0.07	0.0	-2.13e-03	-26.96
33	155	-34.92	5.45e-03	2.19e-04	-11.38	0.0	4.26	44.12	-0.04	0.0	5.45e-03	-52.60
		-52.60	-2.31e-03	-2.18e-05	0.0	52.0	4.26	32.74	-0.04	0.0	-2.31e-03	-34.92
33	172	-27.50	-0.03	-3.76e-05	-11.38	0.0	-0.17	50.05	0.13	0.0	-0.05	-59.10
		-59.10	-0.05	1.35e-05	0.0	52.0	-0.17	38.67	0.13	0.0	-0.03	-27.50
33	173	-34.34	0.11	3.66e-04	-11.38	0.0	-0.19	44.19	-0.24	0.0	0.11	-45.90
		-45.90	0.02	-2.03e-05	0.0	52.0	-0.19	32.80	-0.24	0.0	0.02	-34.34
33	174	-25.88	-0.02	-5.37e-05	-11.38	0.0	-1.88	51.03	0.10	0.0	-0.03	-57.86
		-57.86	-0.03	1.89e-05	0.0	52.0	-1.88	39.65	0.10	0.0	-0.02	-25.88
33	176	-27.54	-0.03	-5.09e-05	-11.38	0.0	0.35	49.84	0.14	0.0	-0.06	-58.95
		-58.95	-0.06	1.90e-05	0.0	52.0	0.35	38.46	0.14	0.0	-0.03	-27.54
33	186	-27.00	0.05	9.45e-05	-11.38	0.0	-4.04	49.87	-0.07	0.0	0.05	-52.30
		-52.30	-2.26e-03	2.16e-05	0.0	52.0	-4.04	38.49	-0.07	0.0	-2.26e-03	-27.00
33	187	-34.88	6.65e-03	2.21e-04	-11.38	0.0	4.21	44.16	-0.04	0.0	6.65e-03	-52.56
		-52.56	-2.18e-03	-2.30e-05	0.0	52.0	4.21	32.78	-0.04	0.0	-2.18e-03	-34.88
33	204	-27.45	-0.03	-4.32e-05	-11.38	0.0	-0.18	50.06	0.14	0.0	-0.06	-59.12
		-59.12	-0.06	1.57e-05	0.0	52.0	-0.18	38.67	0.14	0.0	-0.03	-27.45
33	205	-34.39	0.11	3.72e-04	-11.38	0.0	-0.18	44.18	-0.25	0.0	0.11	-45.88
		-45.88	0.02	-2.12e-05	0.0	52.0	-0.18	32.79	-0.25	0.0	0.02	-34.39
33	206	-25.86	-0.02	-5.94e-05	-11.38	0.0	-1.84	51.02	0.10	0.0	-0.04	-57.90
		-57.90	-0.04	1.99e-05	0.0	52.0	-1.84	39.64	0.10	0.0	-0.02	-25.86
33	208	-27.49	-0.03	-5.66e-05	-11.38	0.0	0.35	49.85	0.14	0.0	-0.06	-58.98
		-58.98	-0.06	1.98e-05	0.0	52.0	0.35	38.47	0.14	0.0	-0.03	-27.49
33	218	-26.33	0.05	8.17e-05	-11.38	0.0	-4.73	50.35	-0.07	0.0	0.05	-52.31
		-52.31	-2.48e-03	2.63e-05	0.0	52.0	-4.73	38.96	-0.07	0.0	-2.48e-03	-26.33
33	219	-35.55	4.25e-03	2.34e-04	-11.38	0.0	4.89	43.68	-0.04	0.0	4.25e-03	-52.54
		-52.54	-1.95e-03	-2.77e-05	0.0	52.0	4.89	32.30	-0.04	0.0	-1.95e-03	-35.55
33	236	-26.81	-0.03	-8.14e-05	-11.38	0.0	-0.23	50.60	0.17	0.0	-0.07	-60.32
		-60.32	-0.07	1.98e-05	0.0	52.0	-0.23	39.22	0.17	0.0	-0.03	-26.81
33	237	-35.03	0.13	4.13e-04	-11.38	0.0	-0.22	43.66	-0.28	0.0	0.13	-44.70
		-44.70	0.03	-2.53e-05	0.0	52.0	-0.22	32.28	-0.28	0.0	0.03	-35.03
33	238	-24.96	-0.03	-1.01e-04	-11.38	0.0	-2.16	51.73	0.13	0.0	-0.05	-58.90
		-58.90	-0.05	2.40e-05	0.0	52.0	-2.16	40.34	0.13	0.0	-0.03	-24.96
33	240	-26.85	-0.03	-9.73e-05	-11.38	0.0	0.38	50.37	0.18	0.0	-0.07	-60.15
		-60.15	-0.07	2.39e-05	0.0	52.0	0.38	38.99	0.18	0.0	-0.03	-26.85
33	248	-16.91	0.01	9.00e-05	-6.23	0.0	-0.12	25.78	-0.03	0.0	0.01	-28.70
		-28.70	-1.25e-03	0.0	0.0	52.0	-0.12	19.54	-0.03	0.0	-1.25e-03	-16.91
33	249	-16.97	0.01	9.45e-05	-6.23	0.0	-0.14	25.66	-0.03	0.0	0.01	-28.69
		-28.69	-1.34e-03	0.0	0.0	52.0	-0.14	19.43	-0.03	0.0	-1.34e-03	-16.97
33	255	-40.32	0.03	2.02e-04	-14.81	0.0	0.28	61.14	-0.07	0.0	0.03	-68.26
		-68.26	-3.00e-03	-2.17e-06	0.0	52.0	0.28	46.32	-0.07	0.0	-3.00e-03	-40.32
33	256	-40.38	0.03	2.07e-04	-14.81	0.0	0.26	61.02	-0.07	0.0	0.03	-68.26
		-68.26	-3.09e-03	-2.22e-06	0.0	52.0	0.26	46.21	-0.07	0.0	-3.09e-03	-40.38
33	263	-33.38	0.03	1.67e-04	-12.24	0.0	0.32	50.43	-0.05	0.0	0.03	-56.42
		-56.42	-2.83e-03	-2.85e-06	0.0	52.0	0.32	38.19	-0.05	0.0	-2.83e-03	-33.38
33	267	-40.27	0.04	2.11e-04	-14.81	0.0	0.15	61.16	-0.07	0.0	0.04	-68.23
		-68.23	-2.53e-03	0.0	0.0	52.0	0.15	46.35	-0.07	0.0	-2.53e-03	-40.27
33	298	-33.27	0.03	1.69e-04	-12.24	0.0	0.10	50.57	-0.06	0.0	0.03	-56.38
		-56.38	-2.34e-03	0.0	0.0	52.0	0.10	38.33	-0.06	0.0	-2.34e-03	-33.27
33	302	-16.96	0.01	8.93e-05	-6.23	0.0	-0.03	25.72	-0.03	0.0	0.01	-28.71
		-28.71	-1.45e-03	0.0	0.0	52.0	-0.03	19.49	-0.03	0.0	-1.45e-03	-16.96
33	305	-30.96	0.03	1.57e-04	-11.38	0.0	0.13	46.99	-0.05	0.0	0.03	-52.44
		-52.44	-2.32e-03	-1.11e-06	0.0	52.0	0.13	35.60	-0.05	0.0	-2.32e-03	-30.96
33	309	-16.97	0.01	8.91e-05	-6.23	0.0	-6.42e-03	25.71	-0.03	0.0	0.01	-28.72
		-28.72	-1.50e-03	0.0	0.0	52.0	-6.42e-03	19.47	-0.03	0.0	-1.50e-03	-16.97
33	310	-30.94	0.03	1.58e-04	-11.38	0.0	0.08	47.01	-0.05	0.0	0.03	-52.43
		-52.43	-2.22e-03	0.0	0.0	52.0	0.08	35.63	-0.05	0.0	-2.22e-03	-30.94

34	18	-26.04	-1.07e-03	5.55e-05	-16.33	0.0	0.32	54.05	4.16e-03	0.0	-3.07e-03	-48.07
		-48.07	-3.07e-03	0.0	0.0	48.0	0.32	37.73	4.16e-03	0.0	-1.07e-03	-26.04
34	28	-31.61	-1.86e-03	5.28e-05	-19.89	0.0	-0.06	66.45	5.34e-03	0.0	-4.43e-03	-58.74
		-58.74	-4.43e-03	-3.64e-06	0.0	48.0	-0.06	46.56	5.34e-03	0.0	-1.86e-03	-31.61
34	45	-8.13	-1.02e-03	5.61e-06	-5.23	0.0	-0.37	18.13	2.33e-03	0.0	-2.14e-03	-15.58
		-15.58	-2.14e-03	-3.44e-06	0.0	48.0	-0.37	12.91	2.33e-03	0.0	-1.02e-03	-8.13
34	70	-8.44	-3.42e-05	3.64e-05	-5.23	0.0	0.07	17.42	2.26e-03	0.0	-1.12e-03	-15.55
		-15.55	-1.12e-03	0.0	0.0	48.0	0.07	12.19	2.26e-03	0.0	-3.42e-05	-8.44
34	125	-17.86	9.34e-03	1.55e-04	-10.51	0.0	2.07	29.36	-7.32e-03	0.0	9.34e-03	-29.60
		-29.60	5.90e-03	-5.88e-06	0.0	48.0	2.07	18.86	-7.32e-03	0.0	5.90e-03	-17.86
34	128	-15.45	-7.66e-03	-9.63e-05	-10.51	0.0	-1.92	40.66	0.01	0.0	-0.01	-32.27
		-32.27	-0.01	3.98e-06	0.0	48.0	-1.92	30.16	0.01	0.0	-7.66e-03	-15.45
34	137	-19.99	0.02	1.96e-04	-10.51	0.0	1.12	32.16	-0.02	0.0	0.02	-33.98
		-33.98	8.53e-03	-1.52e-05	0.0	48.0	1.12	21.65	-0.02	0.0	8.53e-03	-19.99
34	140	-13.32	-0.01	-1.37e-04	-10.51	0.0	-0.98	37.87	0.03	0.0	-0.02	-27.90
		-27.90	-0.02	1.33e-05	0.0	48.0	-0.98	27.36	0.03	0.0	-0.01	-13.32
34	143	-19.68	0.02	1.68e-04	-10.51	0.0	0.17	34.90	-0.02	0.0	0.02	-35.43
		-35.43	5.88e-03	-1.87e-05	0.0	48.0	0.17	24.40	-0.02	0.0	5.88e-03	-19.68
34	157	-18.01	0.01	1.71e-04	-10.51	0.0	2.31	28.66	-8.59e-03	0.0	0.01	-29.44
		-29.44	6.73e-03	-6.53e-06	0.0	48.0	2.31	18.15	-8.59e-03	0.0	6.73e-03	-18.01
34	160	-15.30	-8.49e-03	-1.12e-04	-10.51	0.0	-2.17	41.37	0.01	0.0	-0.02	-32.43
		-32.43	-0.02	4.63e-06	0.0	48.0	-2.17	30.86	0.01	0.0	-8.49e-03	-15.30
34	169	-20.42	0.02	2.18e-04	-10.51	0.0	1.26	31.80	-0.03	0.0	0.02	-34.37
		-34.37	9.68e-03	-1.73e-05	0.0	48.0	1.26	21.29	-0.03	0.0	9.68e-03	-20.42
34	172	-12.89	-0.01	-1.59e-04	-10.51	0.0	-1.11	38.23	0.03	0.0	-0.03	-27.50
		-27.50	-0.03	1.54e-05	0.0	48.0	-1.11	27.72	0.03	0.0	-0.01	-12.89
34	175	-20.07	0.02	1.87e-04	-10.51	0.0	0.19	34.89	-0.02	0.0	0.02	-36.00
		-36.00	6.71e-03	-2.11e-05	0.0	48.0	0.19	24.38	-0.02	0.0	6.71e-03	-20.07
34	189	-18.02	0.01	1.72e-04	-10.51	0.0	2.28	28.77	-8.51e-03	0.0	0.01	-29.50
		-29.50	6.55e-03	-6.70e-06	0.0	48.0	2.28	18.26	-8.51e-03	0.0	6.55e-03	-18.02
34	192	-15.29	-8.31e-03	-1.13e-04	-10.51	0.0	-2.14	41.26	0.01	0.0	-0.01	-32.38
		-32.38	-0.01	4.81e-06	0.0	48.0	-2.14	30.75	0.01	0.0	-8.31e-03	-15.29
34	193	-20.08	0.02	1.95e-04	-10.51	0.0	0.95	31.52	-0.02	0.0	0.02	-34.24
		-34.24	9.90e-03	-6.86e-05	0.0	48.0	0.95	21.02	-0.02	0.0	9.90e-03	-20.08
34	196	-13.23	-0.01	-1.36e-04	-10.51	0.0	-0.81	38.50	0.03	0.0	-0.03	-27.64
		-27.64	-0.03	6.67e-05	0.0	48.0	-0.81	28.00	0.03	0.0	-0.01	-13.23
34	204	-12.84	-0.01	-1.64e-04	-10.51	0.0	-1.12	38.15	0.03	0.0	-0.03	-27.45
		-27.45	-0.03	1.74e-05	0.0	48.0	-1.12	27.65	0.03	0.0	-0.01	-12.84
34	207	-20.13	0.02	1.92e-04	-10.51	0.0	0.22	34.90	-0.02	0.0	0.02	-36.02
		-36.02	6.55e-03	-2.21e-05	0.0	48.0	0.22	24.40	-0.02	0.0	6.55e-03	-20.13
34	221	-18.26	0.01	1.96e-04	-10.51	0.0	2.65	27.75	-0.01	0.0	0.01	-29.29
		-29.29	7.79e-03	-7.80e-06	0.0	48.0	2.65	17.24	-0.01	0.0	7.79e-03	-18.26
34	224	-15.05	-9.55e-03	-1.37e-04	-10.51	0.0	-2.50	42.28	0.02	0.0	-0.02	-32.59
		-32.59	-0.02	5.90e-06	0.0	48.0	-2.50	31.77	0.02	0.0	-9.55e-03	-15.05
34	225	-20.73	0.03	2.29e-04	-10.51	0.0	1.11	30.93	-0.03	0.0	0.03	-34.88
		-34.88	0.01	-8.35e-05	0.0	48.0	1.11	20.43	-0.03	0.0	0.01	-20.73
34	228	-12.58	-0.01	-1.70e-04	-10.51	0.0	-0.96	39.09	0.04	0.0	-0.03	-27.00
		-27.00	-0.03	8.16e-05	0.0	48.0	-0.96	28.59	0.04	0.0	-0.01	-12.58
34	236	-12.14	-0.01	-2.00e-04	-10.51	0.0	-1.33	38.67	0.04	0.0	-0.03	-26.81
		-26.81	-0.03	2.18e-05	0.0	48.0	-1.33	28.17	0.04	0.0	-0.01	-12.14
34	239	-20.77	0.02	2.24e-04	-10.51	0.0	0.26	34.88	-0.03	0.0	0.02	-36.92
		-36.92	7.93e-03	-2.63e-05	0.0	48.0	0.26	24.37	-0.03	0.0	7.93e-03	-20.77
34	251	-18.01	-7.66e-04	3.80e-05	-11.30	0.0	0.21	37.45	2.95e-03	0.0	-2.18e-03	-33.27
		-33.27	-2.18e-03	0.0	0.0	48.0	0.21	26.15	2.95e-03	0.0	-7.66e-04	-18.01
34	256	-21.72	-1.29e-03	3.62e-05	-13.67	0.0	-0.04	45.71	3.73e-03	0.0	-3.09e-03	-40.38
		-40.38	-3.09e-03	-2.47e-06	0.0	48.0	-0.04	32.04	3.73e-03	0.0	-1.29e-03	-21.72
34	261	-9.01	-8.94e-04	9.67e-06	-5.75	0.0	-0.24	19.69	2.29e-03	0.0	-1.99e-03	-17.08
		-17.08	-1.99e-03	-2.50e-06	0.0	48.0	-0.24	13.93	2.29e-03	0.0	-8.94e-04	-9.01
34	274	-9.22	-2.33e-04	3.11e-05	-5.75	0.0	0.05	19.21	2.24e-03	0.0	-1.31e-03	-17.06
		-17.06	-1.31e-03	0.0	0.0	48.0	0.05	13.46	2.24e-03	0.0	-2.33e-04	-9.22
34	298	-17.92	-9.34e-04	3.17e-05	-11.30	0.0	0.08	37.63	2.92e-03	0.0	-2.34e-03	-33.27
		-33.27	-2.34e-03	-1.02e-06	0.0	48.0	0.08	26.33	2.92e-03	0.0	-9.34e-04	-17.92
34	303	-16.66	-8.47e-04	3.03e-05	-10.51	0.0	0.10	34.98	2.75e-03	0.0	-2.17e-03	-30.93
		-30.93	-2.17e-03	0.0	0.0	48.0	0.10	24.47	2.75e-03	0.0	-8.47e-04	-16.66
34	304	-9.07	-6.26e-04	1.54e-05	-5.75	0.0	-0.03	19.39	2.02e-03	0.0	-1.60e-03	-16.99
		-16.99	-1.60e-03	0.0	0.0	48.0	-0.03	13.63	2.02e-03	0.0	-6.26e-04	-9.07
34	306	-9.10	-4.94e-04	1.92e-05	-5.75	0.0	0.03	19.29	1.97e-03	0.0	-1.44e-03	-16.98
		-16.98	-1.44e-03	0.0	0.0	48.0	0.03	13.54	1.97e-03	0.0	-4.94e-04	-9.10
34	309	-9.08	-5.60e-04	1.69e-05	-5.75	0.0	0.02	19.31	1.95e-03	0.0	-1.50e-03	-16.97
		-16.97	-1.50e-03	0.0	0.0	48.0	0.02	13.56	1.95e-03	0.0	-5.60e-04	-9.08
34	310	-16.65	-8.80e-04	2.96e-05	-10.51	0.0	0.07	35.01	2.79e-03	0.0	-2.22e-03	-30.94
		-30.94	-2.22e-03	0.0	0.0	48.0	0.07	24.51	2.79e-03	0.0	-8.80e-04	-16.65
35	19	-3.82	-2.73e-04	1.49e-05	-5.23	0.0	0.16	11.90	-5.11e-05	0.0	-2.73e-04	-8.28
		-8.28	-2.98e-04	0.0	0.0	48.0	0.16	6.67	-5.11e-05	0.0	-2.98e-04	-3.82
35	27	-14.15	-9.67e-04	2.54e-05	-19.89	0.0	-0.54	46.15	1.87e-03	0.0	-1.87e-03	-31.53

		-31.53	-1.87e-03	-3.71e-06	0.0	48.0	-0.54	26.26	1.87e-03	0.0	-9.67e-04	-14.15
35	44	-11.50	-9.40e-04	2.05e-05	-16.33	0.0	-0.73	38.14	1.84e-03	0.0	-1.82e-03	-25.89
		-25.89	-1.82e-03	-4.65e-06	0.0	48.0	-0.73	21.81	1.84e-03	0.0	-9.40e-04	-11.50
35	45	-3.35	-3.97e-04	-1.22e-06	-5.23	0.0	-0.63	12.57	1.31e-03	0.0	-1.02e-03	-8.13
		-8.13	-1.02e-03	-3.53e-06	0.0	48.0	-0.63	7.34	1.31e-03	0.0	-3.97e-04	-3.35
35	52	-14.54	-9.95e-04	4.41e-05	-19.89	0.0	-0.17	45.80	5.75e-04	0.0	-1.27e-03	-31.75
		-31.75	-1.27e-03	-1.41e-06	0.0	48.0	-0.17	25.92	5.75e-04	0.0	-9.95e-04	-14.54
35	70	-3.94	-3.42e-05	3.00e-05	-5.23	0.0	-0.03	11.99	-7.45e-04	0.0	-3.42e-05	-8.44
		-8.44	-3.92e-04	0.0	0.0	48.0	-0.03	6.76	-7.45e-04	0.0	-3.92e-04	-3.94
35	125	-10.16	5.90e-03	1.25e-04	-10.51	0.0	2.76	20.26	-0.01	0.0	5.90e-03	-17.86
		-17.86	1.56e-04	-5.71e-06	0.0	48.0	2.76	9.75	-0.01	0.0	1.56e-04	-10.16
35	128	-4.90	-1.22e-03	-8.99e-05	-10.51	0.0	-3.03	28.28	0.01	0.0	-7.66e-03	-15.45
		-15.45	-7.66e-03	3.68e-06	0.0	48.0	-3.03	17.77	0.01	0.0	-1.22e-03	-4.90
35	129	-10.17	8.86e-03	1.48e-04	-10.51	0.0	1.00	22.02	-0.02	0.0	8.86e-03	-19.63
		-19.63	1.02e-04	-5.85e-05	0.0	48.0	1.00	11.51	-0.02	0.0	1.02e-04	-10.17
35	132	-4.88	-1.17e-03	-1.13e-04	-10.51	0.0	-1.27	26.52	0.02	0.0	-0.01	-13.67
		-13.67	-0.01	5.65e-05	0.0	48.0	-1.27	16.01	0.02	0.0	-1.17e-03	-4.88
35	137	-10.66	8.53e-03	1.70e-04	-10.51	0.0	1.28	22.21	-0.02	0.0	8.53e-03	-19.99
		-19.99	7.20e-05	-1.68e-05	0.0	48.0	1.28	11.70	-0.02	0.0	7.20e-05	-10.66
35	144	-4.22	-1.16e-03	-1.48e-04	-10.51	0.0	-1.74	26.58	0.02	0.0	-0.01	-13.47
		-13.47	-0.01	1.70e-05	0.0	48.0	-1.74	16.07	0.02	0.0	-1.16e-03	-4.22
35	157	-10.49	6.73e-03	1.38e-04	-10.51	0.0	3.12	19.76	-0.01	0.0	6.73e-03	-18.01
		-18.01	2.40e-04	-6.34e-06	0.0	48.0	3.12	9.25	-0.01	0.0	2.40e-04	-10.49
35	160	-4.57	-1.30e-03	-1.04e-04	-10.51	0.0	-3.39	28.78	0.02	0.0	-8.49e-03	-15.30
		-15.30	-8.49e-03	4.31e-06	0.0	48.0	-3.39	18.27	0.02	0.0	-1.30e-03	-4.57
35	161	-10.52	0.01	1.65e-04	-10.51	0.0	1.13	21.74	-0.02	0.0	0.01	-20.02
		-20.02	1.81e-04	-6.64e-05	0.0	48.0	1.13	11.23	-0.02	0.0	1.81e-04	-10.52
35	164	-4.54	-1.24e-03	-1.31e-04	-10.51	0.0	-1.41	26.80	0.02	0.0	-0.01	-13.29
		-13.29	-0.01	6.44e-05	0.0	48.0	-1.41	16.29	0.02	0.0	-1.24e-03	-4.54
35	169	-11.07	9.68e-03	1.90e-04	-10.51	0.0	1.46	21.95	-0.02	0.0	9.68e-03	-20.42
		-20.42	1.48e-04	-1.91e-05	0.0	48.0	1.46	11.45	-0.02	0.0	1.48e-04	-11.07
35	176	-3.78	-1.24e-03	-1.70e-04	-10.51	0.0	-1.95	26.87	0.02	0.0	-0.01	-13.05
		-13.05	-0.01	1.94e-05	0.0	48.0	-1.95	16.36	0.02	0.0	-1.24e-03	-3.78
35	189	-10.48	6.55e-03	1.39e-04	-10.51	0.0	3.07	19.84	-0.01	0.0	6.55e-03	-18.02
		-18.02	2.16e-04	-6.56e-06	0.0	48.0	3.07	9.33	-0.01	0.0	2.16e-04	-10.48
35	192	-4.58	-1.28e-03	-1.04e-04	-10.51	0.0	-3.35	28.70	0.02	0.0	-8.31e-03	-15.29
		-15.29	-8.31e-03	4.53e-06	0.0	48.0	-3.35	18.19	0.02	0.0	-1.28e-03	-4.58
35	193	-10.59	9.90e-03	1.71e-04	-10.51	0.0	1.10	21.79	-0.02	0.0	9.90e-03	-20.08
		-20.08	1.74e-04	-7.05e-05	0.0	48.0	1.10	11.29	-0.02	0.0	1.74e-04	-10.59
35	196	-4.47	-1.24e-03	-1.36e-04	-10.51	0.0	-1.37	26.75	0.02	0.0	-0.01	-13.23
		-13.23	-0.01	6.85e-05	0.0	48.0	-1.37	16.24	0.02	0.0	-1.24e-03	-4.47
35	201	-11.14	9.44e-03	1.95e-04	-10.51	0.0	1.47	22.01	-0.02	0.0	9.44e-03	-20.47
		-20.47	1.45e-04	-2.11e-05	0.0	48.0	1.47	11.50	-0.02	0.0	1.45e-04	-11.14
35	208	-3.73	-1.23e-03	-1.75e-04	-10.51	0.0	-1.95	26.81	0.02	0.0	-0.01	-13.01
		-13.01	-0.01	2.03e-05	0.0	48.0	-1.95	16.30	0.02	0.0	-1.23e-03	-3.73
35	221	-10.98	7.79e-03	1.60e-04	-10.51	0.0	3.60	19.12	-0.02	0.0	7.79e-03	-18.26
		-18.26	3.39e-04	-7.63e-06	0.0	48.0	3.60	8.61	-0.02	0.0	3.39e-04	-10.98
35	224	-4.07	-1.40e-03	-1.25e-04	-10.51	0.0	-3.88	29.42	0.02	0.0	-9.55e-03	-15.05
		-15.05	-9.55e-03	5.60e-06	0.0	48.0	-3.88	18.91	0.02	0.0	-1.40e-03	-4.07
35	225	-11.19	0.01	2.03e-04	-10.51	0.0	1.31	21.38	-0.03	0.0	0.01	-20.73
		-20.73	3.09e-04	-8.57e-05	0.0	48.0	1.31	10.87	-0.03	0.0	3.09e-04	-11.19
35	228	-3.87	-1.37e-03	-1.68e-04	-10.51	0.0	-1.58	27.16	0.03	0.0	-0.01	-12.58
		-12.58	-0.01	8.37e-05	0.0	48.0	-1.58	16.65	0.03	0.0	-1.37e-03	-3.87
35	233	-11.82	0.01	2.28e-04	-10.51	0.0	1.75	21.64	-0.02	0.0	0.01	-21.17
		-21.17	2.69e-04	-2.57e-05	0.0	48.0	1.75	11.13	-0.02	0.0	2.69e-04	-11.82
35	240	-3.03	-1.36e-03	-2.11e-04	-10.51	0.0	-2.27	27.22	0.03	0.0	-0.01	-12.33
		-12.33	-0.01	2.45e-05	0.0	48.0	-2.27	16.72	0.03	0.0	-1.36e-03	-3.03
35	248	-4.16	-3.36e-04	1.44e-05	-5.75	0.0	0.07	13.19	1.17e-04	0.0	-3.92e-04	-9.11
		-9.11	-3.92e-04	0.0	0.0	48.0	0.07	7.44	1.17e-04	0.0	-3.36e-04	-4.16
35	255	-9.71	-6.74e-04	1.77e-05	-13.67	0.0	-0.37	31.73	1.29e-03	0.0	-1.29e-03	-21.66
		-21.66	-1.29e-03	-2.52e-06	0.0	48.0	-0.37	18.06	1.29e-03	0.0	-6.74e-04	-9.71
35	261	-3.85	-4.03e-04	5.13e-06	-5.75	0.0	-0.46	13.64	1.02e-03	0.0	-8.94e-04	-9.01
		-9.01	-8.94e-04	-2.57e-06	0.0	48.0	-0.46	7.88	1.02e-03	0.0	-4.03e-04	-3.85
35	264	-7.95	-6.56e-04	1.45e-05	-11.30	0.0	-0.50	26.39	1.27e-03	0.0	-1.27e-03	-17.91
		-17.91	-1.27e-03	-3.14e-06	0.0	48.0	-0.50	15.10	1.27e-03	0.0	-6.56e-04	-7.95
35	268	-9.97	-6.92e-04	3.02e-05	-13.67	0.0	-0.13	31.50	4.28e-04	0.0	-8.98e-04	-21.81
		-21.81	-8.98e-04	0.0	0.0	48.0	-0.13	17.83	4.28e-04	0.0	-6.92e-04	-9.97
35	274	-4.24	-2.33e-04	2.45e-05	-5.75	0.0	-0.06	13.25	-3.46e-04	0.0	-2.33e-04	-9.22
		-9.22	-3.99e-04	0.0	0.0	48.0	-0.06	7.50	-3.46e-04	0.0	-3.99e-04	-4.24
35	298	-8.11	-5.61e-04	1.84e-05	-11.30	0.0	-0.14	26.09	7.77e-04	0.0	-9.34e-04	-17.92
		-17.92	-9.34e-04	-1.09e-06	0.0	48.0	-0.14	14.79	7.77e-04	0.0	-5.61e-04	-8.11
35	302	-4.08	-3.54e-04	1.19e-05	-5.75	0.0	-0.07	13.31	3.58e-04	0.0	-5.26e-04	-9.09
		-9.09	-5.26e-04	0.0	0.0	48.0	-0.07	7.55	3.58e-04	0.0	-3.54e-04	-4.08
35	304	-4.02	-3.67e-04	1.01e-05	-5.75	0.0	-0.18	13.40	5.39e-04	0.0	-6.26e-04	-9.07
		-9.07	-6.26e-04	0.0	0.0	48.0	-0.18	7.64	5.39e-04	0.0	-3.67e-04	-4.02

35	305	-7.49	-5.41e-04	1.62e-05	-10.51	0.0	-0.21	24.33	8.46e-04	0.0	-9.47e-04	-16.64
		-16.64	-9.47e-04	-1.42e-06	0.0	48.0	-0.21	13.82	8.46e-04	0.0	-5.41e-04	-7.49
35	309	-4.06	-3.59e-04	1.13e-05	-5.75	0.0	-0.11	13.34	4.19e-04	0.0	-5.60e-04	-9.08
		-9.08	-5.60e-04	0.0	0.0	48.0	-0.11	7.58	4.19e-04	0.0	-3.59e-04	-4.06
35	310	-7.53	-5.32e-04	1.74e-05	-10.51	0.0	-0.14	24.27	7.25e-04	0.0	-8.80e-04	-16.65
		-16.65	-8.80e-04	-1.02e-06	0.0	48.0	-0.14	13.76	7.25e-04	0.0	-5.32e-04	-7.53
36	19	-1.62	-2.98e-04	3.38e-05	-5.23	0.0	0.16	7.20	-3.20e-04	0.0	-2.98e-04	-3.82
		-3.82	-4.51e-04	0.0	0.0	48.0	0.16	1.97	-3.20e-04	0.0	-4.51e-04	-1.62
36	44	-4.04	-9.40e-04	7.99e-05	-16.33	0.0	-0.97	23.72	-2.40e-03	0.0	-9.40e-04	-11.50
		-11.50	-2.09e-03	-4.72e-06	0.0	48.0	-0.97	7.40	-2.40e-03	0.0	-2.09e-03	-4.04
36	45	-0.86	-3.97e-04	2.37e-05	-5.23	0.0	-0.77	7.80	-1.36e-03	0.0	-3.97e-04	-3.35
		-3.35	-1.05e-03	-3.55e-06	0.0	48.0	-0.77	2.57	-1.36e-03	0.0	-1.05e-03	-0.86
36	52	-5.71	-9.95e-04	1.12e-04	-19.89	0.0	-0.35	28.35	-1.09e-03	0.0	-9.95e-04	-14.54
		-14.54	-1.52e-03	-1.49e-06	0.0	48.0	-0.35	8.46	-1.09e-03	0.0	-1.52e-03	-5.71
36	70	-1.73	2.39e-04	4.86e-05	-5.23	0.0	-0.07	7.23	1.31e-03	0.0	-3.92e-04	-3.94
		-3.94	-3.92e-04	0.0	0.0	48.0	-0.07	2.00	1.31e-03	0.0	2.39e-04	-1.73
36	75	-5.37	-9.32e-04	9.52e-05	-19.89	0.0	-0.43	28.50	-2.90e-03	0.0	-9.32e-04	-14.28
		-14.28	-2.32e-03	-2.26e-06	0.0	48.0	-0.43	8.61	-2.90e-03	0.0	-2.32e-03	-5.37
36	125	-7.11	6.16e-03	1.43e-04	-10.51	0.0	3.20	11.30	0.01	0.0	1.56e-04	-10.16
		-10.16	1.56e-04	-5.63e-06	0.0	48.0	3.20	0.80	0.01	0.0	6.16e-03	-7.11
36	128	1.41	-1.22e-03	-3.52e-05	-10.51	0.0	-3.66	18.68	-0.02	0.0	-1.22e-03	-4.90
		-4.90	-8.44e-03	3.52e-06	0.0	48.0	-3.66	8.18	-0.02	0.0	-8.44e-03	1.41
36	133	-6.09	9.07e-03	1.84e-04	-10.51	0.0	1.32	12.87	0.02	0.0	1.28e-04	-10.35
		-10.35	1.28e-04	-6.08e-05	0.0	48.0	1.32	2.36	0.02	0.0	9.07e-03	-6.09
36	136	0.38	-1.19e-03	-7.47e-05	-10.51	0.0	-1.78	17.12	-0.02	0.0	-1.19e-03	-4.70
		-4.70	-0.01	5.87e-05	0.0	48.0	-1.78	6.61	-0.02	0.0	-0.01	0.38
36	141	-6.72	8.63e-03	2.03e-04	-10.51	0.0	1.62	12.93	0.02	0.0	9.84e-05	-10.84
		-10.84	9.84e-05	-1.89e-05	0.0	48.0	1.62	2.42	0.02	0.0	8.63e-03	-6.72
36	157	-7.65	7.05e-03	1.55e-04	-10.51	0.0	3.62	10.85	0.01	0.0	2.40e-04	-10.49
		-10.49	2.40e-04	-6.24e-06	0.0	48.0	3.62	0.34	0.01	0.0	7.05e-03	-7.65
36	160	1.94	-1.30e-03	-4.55e-05	-10.51	0.0	-4.09	19.14	-0.02	0.0	-1.30e-03	-4.57
		-4.57	-9.34e-03	4.14e-06	0.0	48.0	-4.09	8.63	-0.02	0.0	-9.34e-03	1.94
36	165	-6.50	0.01	2.01e-04	-10.51	0.0	1.51	12.60	0.02	0.0	2.11e-04	-10.72
		-10.72	2.11e-04	-6.88e-05	0.0	48.0	1.51	2.09	0.02	0.0	0.01	-6.50
36	168	0.80	-1.27e-03	-9.19e-05	-10.51	0.0	-1.97	17.39	-0.02	0.0	-1.27e-03	-4.34
		-4.34	-0.01	6.67e-05	0.0	48.0	-1.97	6.88	-0.02	0.0	-0.01	0.80
36	173	-7.22	9.81e-03	2.23e-04	-10.51	0.0	1.86	12.67	0.02	0.0	1.77e-04	-11.27
		-11.27	1.77e-04	-2.13e-05	0.0	48.0	1.86	2.16	0.02	0.0	9.81e-03	-7.22
36	189	-7.62	6.81e-03	1.55e-04	-10.51	0.0	3.57	10.91	0.01	0.0	2.16e-04	-10.48
		-10.48	2.16e-04	-6.49e-06	0.0	48.0	3.57	0.41	0.01	0.0	6.81e-03	-7.62
36	192	1.91	-1.28e-03	-4.61e-05	-10.51	0.0	-4.04	19.07	-0.02	0.0	-1.28e-03	-4.58
		-4.58	-9.10e-03	4.38e-06	0.0	48.0	-4.04	8.57	-0.02	0.0	-9.10e-03	1.91
36	197	-6.57	9.94e-03	2.07e-04	-10.51	0.0	1.47	12.65	0.02	0.0	2.00e-04	-10.77
		-10.77	2.00e-04	-7.18e-05	0.0	48.0	1.47	2.15	0.02	0.0	9.94e-03	-6.57
36	200	0.86	-1.26e-03	-9.74e-05	-10.51	0.0	-1.94	17.33	-0.02	0.0	-1.26e-03	-4.28
		-4.28	-0.01	6.96e-05	0.0	48.0	-1.94	6.83	-0.02	0.0	-0.01	0.86
36	205	-7.29	9.43e-03	2.27e-04	-10.51	0.0	1.86	12.71	0.02	0.0	1.71e-04	-11.33
		-11.33	1.71e-04	-2.22e-05	0.0	48.0	1.86	2.20	0.02	0.0	9.43e-03	-7.29
36	221	-8.42	8.14e-03	1.73e-04	-10.51	0.0	4.20	10.25	0.02	0.0	3.39e-04	-10.98
		-10.98	3.39e-04	-7.55e-06	0.0	48.0	4.20	-0.26	0.02	0.0	8.14e-03	-8.42
36	224	2.71	-1.40e-03	-6.36e-05	-10.51	0.0	-4.67	19.74	-0.02	0.0	-1.40e-03	-4.07
		-4.07	-0.01	5.44e-06	0.0	48.0	-4.67	9.23	-0.02	0.0	-0.01	2.71
36	229	-7.27	0.01	2.38e-04	-10.51	0.0	1.75	12.27	0.03	0.0	3.37e-04	-11.40
		-11.40	3.37e-04	-8.65e-05	0.0	48.0	1.75	1.76	0.03	0.0	0.01	-7.27
36	232	1.57	-1.40e-03	-1.28e-04	-10.51	0.0	-2.22	17.72	-0.03	0.0	-1.40e-03	-3.66
		-3.66	-0.01	8.44e-05	0.0	48.0	-2.22	7.21	-0.03	0.0	-0.01	1.57
36	237	-8.10	0.01	2.60e-04	-10.51	0.0	2.23	12.32	0.02	0.0	2.97e-04	-12.03
		-12.03	2.97e-04	-2.64e-05	0.0	48.0	2.23	1.82	0.02	0.0	0.01	-8.10
36	248	-1.69	-3.36e-04	3.54e-05	-5.75	0.0	0.05	8.02	-4.72e-04	0.0	-3.36e-04	-4.16
		-4.16	-5.63e-04	0.0	0.0	48.0	0.05	2.27	-4.72e-04	0.0	-5.63e-04	-1.69
36	261	-1.19	-4.03e-04	2.87e-05	-5.75	0.0	-0.58	8.43	-1.17e-03	0.0	-4.03e-04	-3.85
		-3.85	-9.63e-04	-2.60e-06	0.0	48.0	-0.58	2.67	-1.17e-03	0.0	-9.63e-04	-1.19
36	264	-2.79	-6.56e-04	5.59e-05	-11.30	0.0	-0.66	16.40	-1.67e-03	0.0	-6.56e-04	-7.95
		-7.95	-1.46e-03	-3.19e-06	0.0	48.0	-0.66	5.10	-1.67e-03	0.0	-1.46e-03	-2.79
36	268	-3.90	-6.92e-04	7.72e-05	-13.67	0.0	-0.25	19.48	-7.99e-04	0.0	-6.92e-04	-9.97
		-9.97	-1.08e-03	-1.04e-06	0.0	48.0	-0.25	5.80	-7.99e-04	0.0	-1.08e-03	-3.90
36	274	-1.76	-1.03e-04	4.53e-05	-5.75	0.0	-0.11	8.04	6.17e-04	0.0	-3.99e-04	-4.24
		-4.24	-3.99e-04	0.0	0.0	48.0	-0.11	2.29	6.17e-04	0.0	-1.03e-04	-1.76
36	279	-3.68	-6.51e-04	6.61e-05	-13.67	0.0	-0.30	19.58	-2.00e-03	0.0	-6.51e-04	-9.80
		-9.80	-1.61e-03	-1.55e-06	0.0	48.0	-0.30	5.91	-2.00e-03	0.0	-1.61e-03	-3.68
36	298	-3.07	-5.61e-04	5.83e-05	-11.30	0.0	-0.25	16.13	-1.37e-03	0.0	-5.61e-04	-8.11
		-8.11	-1.22e-03	-1.13e-06	0.0	48.0	-0.25	4.83	-1.37e-03	0.0	-1.22e-03	-3.07
36	302	-1.56	-3.54e-04	3.36e-05	-5.75	0.0	-0.12	8.13	-6.57e-04	0.0	-3.54e-04	-4.08
		-4.08	-6.70e-04	0.0	0.0	48.0	-0.12	2.38	-6.57e-04	0.0	-6.70e-04	-1.56
36	304	-1.46	-3.67e-04	3.23e-05	-5.75	0.0	-0.24	8.21	-7.96e-04	0.0	-3.67e-04	-4.02

		-4.02	-7.50e-04	0.0	0.0	48.0	-0.24	2.46	-7.96e-04	0.0	-7.50e-04	-1.46
36	305	-2.78	-5.41e-04	5.39e-05	-10.51	0.0	-0.32	15.05	-1.37e-03	0.0	-5.41e-04	-7.49
		-7.49	-1.20e-03	-1.46e-06	0.0	48.0	-0.32	4.54	-1.37e-03	0.0	-1.20e-03	-2.78
36	309	-1.52	-3.59e-04	3.32e-05	-5.75	0.0	-0.16	8.16	-7.04e-04	0.0	-3.59e-04	-4.06
		-4.06	-6.96e-04	0.0	0.0	48.0	-0.16	2.40	-7.04e-04	0.0	-6.96e-04	-1.52
36	310	-2.85	-5.32e-04	5.47e-05	-10.51	0.0	-0.23	14.99	-1.28e-03	0.0	-5.32e-04	-7.53
		-7.53	-1.14e-03	-1.05e-06	0.0	48.0	-0.23	4.49	-1.28e-03	0.0	-1.14e-03	-2.85
37	19	-1.19	5.99e-04	6.26e-05	-5.23	0.0	-0.32	3.07	2.19e-03	0.0	-4.51e-04	-1.62
		-1.62	-4.51e-04	0.0	0.0	48.0	-0.32	-2.16	2.19e-03	0.0	5.99e-04	-1.40
37	44	-2.24	7.89e-03	1.75e-04	-16.33	0.0	-2.12	11.05	0.02	0.0	-2.09e-03	-4.04
		-4.04	-2.09e-03	-4.97e-06	0.0	48.0	-2.12	-5.28	0.02	0.0	7.89e-03	-2.65
37	45	-0.27	4.82e-03	5.85e-05	-5.23	0.0	-1.21	3.60	0.01	0.0	-1.05e-03	-0.86
		-0.86	-1.05e-03	-3.68e-06	0.0	48.0	-1.21	-1.63	0.01	0.0	4.82e-03	-0.39
37	52	-3.67	6.73e-03	2.21e-04	-19.89	0.0	-1.66	13.01	0.02	0.0	-1.52e-03	-5.71
		-5.71	-1.52e-03	-1.67e-06	0.0	48.0	-1.66	-6.88	0.02	0.0	6.73e-03	-4.24
37	75	-3.28	4.72e-03	2.06e-04	-19.89	0.0	-1.72	13.19	0.01	0.0	-2.32e-03	-5.37
		-5.37	-2.32e-03	-2.51e-06	0.0	48.0	-1.72	-6.69	0.01	0.0	4.72e-03	-3.81
37	117	-5.59	5.75e-03	1.51e-04	-10.51	0.0	2.13	4.29	-0.04	0.0	5.75e-03	-6.04
		-6.43	-0.01	-5.43e-06	0.0	48.0	2.13	-6.22	-0.04	0.0	-0.01	-6.43
37	120	2.28	0.02	7.70e-05	-10.51	0.0	-4.06	9.40	0.05	0.0	-8.04e-03	0.34
		0.34	-8.04e-03	3.06e-06	0.0	48.0	-4.06	-1.11	0.05	0.0	0.02	2.25
37	125	-6.81	6.16e-03	1.70e-04	-10.51	0.0	1.76	3.50	-0.03	0.0	6.16e-03	-7.11
		-7.89	-0.01	-5.45e-06	0.0	48.0	1.76	-7.01	-0.03	0.0	-0.01	-7.89
37	128	3.72	0.02	5.78e-05	-10.51	0.0	-3.70	10.19	0.04	0.0	-8.44e-03	1.41
		1.41	-8.44e-03	3.08e-06	0.0	48.0	-3.70	-0.32	0.04	0.0	0.02	3.71
37	130	-0.30	-8.60e-03	1.29e-05	-10.51	0.0	-1.79	7.33	-0.06	0.0	-8.60e-03	-1.34
		-1.34	-0.03	6.00e-05	0.0	48.0	-1.79	-3.18	-0.06	0.0	-0.03	-0.63
37	131	-3.27	0.03	2.15e-04	-10.51	0.0	-0.15	6.36	0.08	0.0	6.31e-03	-4.36
		-4.36	6.31e-03	-6.23e-05	0.0	48.0	-0.15	-4.15	0.08	0.0	0.03	-3.56
37	149	-6.05	6.58e-03	1.56e-04	-10.51	0.0	2.52	3.97	-0.04	0.0	6.58e-03	-6.44
		-6.97	-0.02	-6.55e-06	0.0	48.0	2.52	-6.54	-0.04	0.0	-0.02	-6.97
37	152	2.81	0.02	7.21e-05	-10.51	0.0	-4.45	9.71	0.06	0.0	-8.87e-03	0.74
		0.74	-8.87e-03	4.19e-06	0.0	48.0	-4.45	-0.79	0.06	0.0	0.02	2.79
37	157	-7.41	7.05e-03	1.78e-04	-10.51	0.0	2.10	3.08	-0.03	0.0	7.05e-03	-7.65
		-8.62	-0.01	-6.03e-06	0.0	48.0	2.10	-7.43	-0.03	0.0	-0.01	-8.62
37	160	4.44	0.02	5.05e-05	-10.51	0.0	-4.04	10.60	0.05	0.0	-9.34e-03	1.94
		1.94	-9.34e-03	3.66e-06	0.0	48.0	-4.04	0.10	0.05	0.0	0.02	4.44
37	162	-0.10	-9.50e-03	-1.31e-05	-10.51	0.0	-1.91	7.39	-0.07	0.0	-9.50e-03	-1.14
		-1.14	-0.03	6.80e-05	0.0	48.0	-1.91	-3.12	-0.07	0.0	-0.03	-0.42
37	163	-3.47	0.04	2.29e-04	-10.51	0.0	-0.03	6.29	0.09	0.0	7.21e-03	-4.57
		-4.57	7.21e-03	-7.04e-05	0.0	48.0	-0.03	-4.21	0.09	0.0	0.04	-3.76
37	181	-6.05	6.35e-03	1.58e-04	-10.51	0.0	2.51	4.01	-0.04	0.0	6.35e-03	-6.45
		-6.97	-0.02	-9.92e-06	0.0	48.0	2.51	-6.50	-0.04	0.0	-0.02	-6.97
37	184	2.81	0.02	7.02e-05	-10.51	0.0	-4.44	9.68	0.06	0.0	-8.64e-03	0.75
		0.75	-8.64e-03	7.56e-06	0.0	48.0	-4.44	-0.83	0.06	0.0	0.02	2.79
37	189	-7.37	6.81e-03	1.79e-04	-10.51	0.0	2.08	3.13	-0.03	0.0	6.81e-03	-7.62
		-8.57	-0.01	-6.32e-06	0.0	48.0	2.08	-7.38	-0.03	0.0	-0.01	-8.57
37	192	4.39	0.02	4.95e-05	-10.51	0.0	-4.02	10.55	0.05	0.0	-9.10e-03	1.91
		1.91	-9.10e-03	3.95e-06	0.0	48.0	-4.02	0.05	0.05	0.0	0.02	4.39
37	194	-2.18e-03	-9.22e-03	-1.61e-05	-10.51	0.0	-1.98	7.39	-0.07	0.0	-9.22e-03	-1.05
		-1.05	-0.03	7.01e-05	0.0	48.0	-1.98	-3.11	-0.07	0.0	-0.03	-0.32
37	195	-3.57	0.04	2.34e-04	-10.51	0.0	0.05	6.29	0.09	0.0	6.93e-03	-4.65
		-4.65	6.93e-03	-7.24e-05	0.0	48.0	0.05	-4.22	0.09	0.0	0.04	-3.86
37	213	-6.78	7.61e-03	1.67e-04	-10.51	0.0	3.11	3.52	-0.05	0.0	7.61e-03	-7.09
		-7.83	-0.02	-1.36e-05	0.0	48.0	3.11	-6.98	-0.05	0.0	-0.02	-7.83
37	216	3.65	0.03	6.14e-05	-10.51	0.0	-5.05	10.16	0.06	0.0	-9.90e-03	1.39
		1.39	-9.90e-03	1.13e-05	0.0	48.0	-5.05	-0.35	0.06	0.0	0.03	3.65
37	221	-8.25	8.14e-03	1.90e-04	-10.51	0.0	2.60	2.52	-0.04	0.0	8.14e-03	-8.42
		-9.65	-0.01	-7.35e-06	0.0	48.0	2.60	-7.99	-0.04	0.0	-0.01	-9.65
37	224	5.47	0.02	3.78e-05	-10.51	0.0	-4.53	11.16	0.05	0.0	-0.01	2.71
		2.71	-0.01	4.99e-06	0.0	48.0	-4.53	0.66	0.05	0.0	0.02	5.47
37	226	0.39	-0.01	-3.35e-05	-10.51	0.0	-2.23	7.50	-0.09	0.0	-0.01	-0.66
		-0.66	-0.04	8.43e-05	0.0	48.0	-2.23	-3.01	-0.09	0.0	-0.04	0.08
37	227	-3.96	0.04	2.59e-04	-10.51	0.0	0.29	6.18	0.10	0.0	8.48e-03	-5.04
		-5.04	8.48e-03	-8.66e-05	0.0	48.0	0.29	-4.33	0.10	0.0	0.04	-4.26
37	248	-1.19	1.23e-03	6.76e-05	-5.75	0.0	-0.46	3.49	3.73e-03	0.0	-5.63e-04	-1.69
		-1.69	-5.63e-04	0.0	0.0	48.0	-0.46	-2.27	3.73e-03	0.0	1.23e-03	-1.40
37	261	-0.57	4.04e-03	6.49e-05	-5.75	0.0	-1.06	3.84	0.01	0.0	-9.63e-04	-1.19
		-1.19	-9.63e-04	-2.71e-06	0.0	48.0	-1.06	-1.92	0.01	0.0	4.04e-03	-0.73
37	264	-1.56	5.44e-03	1.22e-04	-11.30	0.0	-1.47	7.61	0.01	0.0	-1.46e-03	-2.79
		-2.79	-1.46e-03	-3.36e-06	0.0	48.0	-1.47	-3.69	0.01	0.0	5.44e-03	-1.85
37	268	-2.51	4.67e-03	1.53e-04	-13.67	0.0	-1.17	8.91	0.01	0.0	-1.08e-03	-3.90
		-3.90	-1.08e-03	-1.17e-06	0.0	48.0	-1.17	-4.76	0.01	0.0	4.67e-03	-2.91
37	279	-2.25	3.33e-03	1.43e-04	-13.67	0.0	-1.20	9.04	0.01	0.0	-1.61e-03	-3.68
		-3.68	-1.61e-03	-1.73e-06	0.0	48.0	-1.20	-4.64	0.01	0.0	3.33e-03	-2.63

37	298	-1.92	3.21e-03	1.22e-04	-11.30	0.0	-1.02	7.38	9.22e-03	0.0	-1.22e-03	-3.07
		-3.07	-1.22e-03	-1.27e-06	0.0	48.0	-1.02	-3.92	9.22e-03	0.0	3.21e-03	-2.24
37	302	-1.02	1.98e-03	6.69e-05	-5.75	0.0	-0.62	3.58	5.52e-03	0.0	-6.70e-04	-1.56
		-1.56	-6.70e-04	0.0	0.0	48.0	-0.62	-2.18	5.52e-03	0.0	1.98e-03	-1.22
37	304	-0.90	2.54e-03	6.64e-05	-5.75	0.0	-0.74	3.65	6.85e-03	0.0	-7.50e-04	-1.46
		-1.46	-7.50e-04	-1.08e-06	0.0	48.0	-0.74	-2.11	6.85e-03	0.0	2.54e-03	-1.09
37	305	-1.70	3.43e-03	1.14e-04	-10.51	0.0	-1.05	6.89	9.65e-03	0.0	-1.20e-03	-2.78
		-2.78	-1.20e-03	-1.59e-06	0.0	48.0	-1.05	-3.62	9.65e-03	0.0	3.43e-03	-2.00
37	309	-0.98	2.17e-03	6.67e-05	-5.75	0.0	-0.66	3.60	5.96e-03	0.0	-6.96e-04	-1.52
		-1.52	-6.96e-04	0.0	0.0	48.0	-0.66	-2.15	5.96e-03	0.0	2.17e-03	-1.18
37	310	-1.78	3.06e-03	1.14e-04	-10.51	0.0	-0.97	6.84	8.75e-03	0.0	-1.14e-03	-2.85
		-2.85	-1.14e-03	-1.18e-06	0.0	48.0	-0.97	-3.67	8.75e-03	0.0	3.06e-03	-2.09
38	17	-3.56	3.13e-03	2.44e-04	-16.33	0.0	1.51	1.16	-8.72e-03	0.0	3.13e-03	-3.58
		-6.94	-1.05e-03	0.0	0.0	48.0	1.51	-15.17	-8.72e-03	0.0	-1.05e-03	-6.94
38	44	-2.61	7.89e-03	2.48e-04	-16.33	0.0	-2.16	1.76	-0.02	0.0	7.89e-03	-2.65
		-5.73	-3.06e-03	-4.16e-06	0.0	48.0	-2.16	-14.57	-0.02	0.0	-3.06e-03	-5.73
38	45	-0.37	4.82e-03	8.45e-05	-5.23	0.0	-2.41	0.68	-0.01	0.0	4.82e-03	-0.39
		-1.32	-1.63e-03	-3.19e-06	0.0	48.0	-2.41	-4.55	-0.01	0.0	-1.63e-03	-1.32
38	46	-0.45	5.36e-03	8.49e-05	-5.23	0.0	-2.42	0.82	-0.02	0.0	5.36e-03	-0.48
		-1.34	-1.87e-03	-3.22e-06	0.0	48.0	-2.42	-4.40	-0.02	0.0	-1.87e-03	-1.34
38	52	-4.21	6.73e-03	3.03e-04	-19.89	0.0	0.60	1.62	-0.02	0.0	6.73e-03	-4.24
		-8.23	-5.83e-04	-1.00e-06	0.0	48.0	0.60	-18.26	-0.02	0.0	-5.83e-04	-8.23
38	92	-3.11	4.26e-03	2.40e-04	-16.33	0.0	0.10	1.56	-0.02	0.0	4.26e-03	-3.14
		-6.31	-3.27e-03	-1.96e-06	0.0	48.0	0.10	-14.77	-0.02	0.0	-3.27e-03	-6.31
38	125	-7.89	0.04	1.89e-04	-10.51	0.0	13.47	-2.38	0.10	0.0	-0.01	-7.89
		-11.53	-0.01	-6.05e-06	0.0	48.0	13.47	-12.88	0.10	0.0	0.04	-11.53
38	128	4.07	0.02	1.28e-04	-10.51	0.0	-13.13	4.03	-0.11	0.0	0.02	3.71
		3.10	-0.04	4.31e-06	0.0	48.0	-13.13	-6.48	-0.11	0.0	-0.04	3.10
38	141	-6.78	0.04	3.06e-04	-10.51	0.0	7.17	-1.67	0.06	0.0	0.02	-6.78
		-10.02	0.02	-1.85e-05	0.0	48.0	7.17	-12.17	0.06	0.0	0.04	-10.02
38	144	2.83	-9.18e-03	1.14e-05	-10.51	0.0	-6.83	3.32	-0.08	0.0	-9.18e-03	2.60
		1.59	-0.04	1.67e-05	0.0	48.0	-6.83	-7.19	-0.08	0.0	-0.04	1.59
38	157	-8.62	0.04	1.93e-04	-10.51	0.0	15.13	-2.78	0.11	0.0	-0.01	-8.62
		-12.44	-0.01	-6.74e-06	0.0	48.0	15.13	-13.29	0.11	0.0	0.04	-12.44
38	160	4.87	0.02	1.24e-04	-10.51	0.0	-14.79	4.43	-0.13	0.0	0.02	4.44
		4.01	-0.04	5.00e-06	0.0	48.0	-14.79	-6.07	-0.13	0.0	-0.04	4.01
38	173	-7.39	0.04	3.24e-04	-10.51	0.0	8.06	-1.99	0.07	0.0	0.02	-7.39
		-10.77	0.02	-2.08e-05	0.0	48.0	8.06	-12.49	0.07	0.0	0.04	-10.77
38	176	3.48	-0.01	-1.96e-05	-10.51	0.0	-7.72	3.64	-0.09	0.0	-0.01	3.21
		2.34	-0.05	1.91e-05	0.0	48.0	-7.72	-6.87	-0.09	0.0	-0.05	2.34
38	189	-8.57	0.04	1.93e-04	-10.51	0.0	14.93	-2.74	0.11	0.0	-0.01	-8.57
		-12.38	-0.01	-6.99e-06	0.0	48.0	14.93	-13.25	0.11	0.0	0.04	-12.38
38	192	4.81	0.02	1.24e-04	-10.51	0.0	-14.59	4.39	-0.12	0.0	0.02	4.39
		3.95	-0.04	5.25e-06	0.0	48.0	-14.59	-6.11	-0.12	0.0	-0.04	3.95
38	205	-7.47	0.04	3.24e-04	-10.51	0.0	8.08	-2.01	0.07	0.0	0.02	-7.47
		-10.87	0.02	-2.17e-05	0.0	48.0	8.08	-12.52	0.07	0.0	0.04	-10.87
38	208	3.57	-0.01	-1.93e-05	-10.51	0.0	-7.74	3.66	-0.09	0.0	-0.01	3.29
		2.44	-0.05	2.00e-05	0.0	48.0	-7.74	-6.84	-0.09	0.0	-0.05	2.44
38	221	-9.65	0.05	2.00e-04	-10.51	0.0	17.36	-3.33	0.13	0.0	-0.01	-9.65
		-13.74	-0.01	-8.14e-06	0.0	48.0	17.36	-13.84	0.13	0.0	0.05	-13.74
38	224	6.02	0.02	1.18e-04	-10.51	0.0	-17.01	4.99	-0.14	0.0	0.02	5.47
		5.31	-0.05	6.40e-06	0.0	48.0	-17.01	-5.52	-0.14	0.0	-0.05	5.31
38	237	-8.46	0.05	3.53e-04	-10.51	0.0	9.46	-2.52	0.08	0.0	0.02	-8.46
		-12.08	0.02	-2.58e-05	0.0	48.0	9.46	-13.02	0.08	0.0	0.05	-12.08
38	240	4.63	-0.01	-3.91e-05	-10.51	0.0	-9.12	4.17	-0.10	0.0	-0.01	4.27
		3.65	-0.06	2.41e-05	0.0	48.0	-9.12	-6.34	-0.10	0.0	-0.06	3.65
38	250	-2.45	2.27e-03	1.69e-04	-11.30	0.0	1.01	0.79	-6.23e-03	0.0	2.27e-03	-2.47
		-4.80	-7.20e-04	0.0	0.0	48.0	1.01	-10.51	-6.23e-03	0.0	-7.20e-04	-4.80
38	261	-0.71	4.04e-03	9.14e-05	-5.75	0.0	-1.58	0.64	-0.01	0.0	4.04e-03	-0.73
		-1.80	-1.33e-03	-2.30e-06	0.0	48.0	-1.58	-5.12	-0.01	0.0	-1.33e-03	-1.80
38	262	-0.76	4.40e-03	9.16e-05	-5.75	0.0	-1.59	0.73	-0.01	0.0	4.40e-03	-0.78
		-1.81	-1.48e-03	-2.32e-06	0.0	48.0	-1.59	-5.02	-0.01	0.0	-1.48e-03	-1.81
38	264	-1.82	5.44e-03	1.72e-04	-11.30	0.0	-1.44	1.19	-0.02	0.0	5.44e-03	-1.85
		-3.99	-2.05e-03	-2.81e-06	0.0	48.0	-1.44	-10.11	-0.02	0.0	-2.05e-03	-3.99
38	268	-2.89	4.67e-03	2.09e-04	-13.67	0.0	0.40	1.10	-0.01	0.0	4.67e-03	-2.91
		-5.66	-4.05e-04	0.0	0.0	48.0	0.40	-12.57	-0.01	0.0	-4.05e-04	-5.66
38	288	-2.16	3.02e-03	1.67e-04	-11.30	0.0	0.06	1.06	-0.01	0.0	3.02e-03	-2.18
		-4.38	-2.19e-03	-1.34e-06	0.0	48.0	0.06	-10.24	-0.01	0.0	-2.19e-03	-4.38
38	298	-2.23	3.21e-03	1.70e-04	-11.30	0.0	0.19	0.89	-9.00e-03	0.0	3.21e-03	-2.24
		-4.53	-1.11e-03	0.0	0.0	48.0	0.19	-10.41	-9.00e-03	0.0	-1.11e-03	-4.53
38	303	-2.12	2.87e-03	1.58e-04	-10.51	0.0	0.33	0.81	-7.96e-03	0.0	2.87e-03	-2.14
		-4.27	-9.52e-04	0.0	0.0	48.0	0.33	-9.70	-7.96e-03	0.0	-9.52e-04	-4.27
38	304	-1.08	2.54e-03	9.01e-05	-5.75	0.0	-0.28	0.47	-6.75e-03	0.0	2.54e-03	-1.09
		-2.24	-6.98e-04	0.0	0.0	48.0	-0.28	-5.28	-6.75e-03	0.0	-6.98e-04	-2.24
38	305	-1.98	3.43e-03	1.59e-04	-10.51	0.0	-0.16	0.87	-9.62e-03	0.0	3.43e-03	-2.00

		-4.11	-1.19e-03	-1.24e-06	0.0	48.0	-0.16	-9.64	-9.62e-03	0.0	-1.19e-03	-4.11
38	309	-1.17	2.17e-03	8.98e-05	-5.75	0.0	0.05	0.43	-5.64e-03	0.0	2.17e-03	-1.18
		-2.35	-5.41e-04	0.0	0.0	48.0	0.05	-5.32	-5.64e-03	0.0	-5.41e-04	-2.35
38	310	-2.08	3.06e-03	1.59e-04	-10.51	0.0	0.17	0.83	-8.52e-03	0.0	3.06e-03	-2.09
		-4.22	-1.03e-03	0.0	0.0	48.0	0.17	-9.68	-8.52e-03	0.0	-1.03e-03	-4.22
39	4	-6.76	-1.50e-03	2.31e-04	-24.86	0.0	3.96	10.88	-0.12	-4.30e-03	-1.50e-03	-8.19
		-9.12	-0.07	-1.94e-06	0.0	60.0	3.96	-13.98	-0.12	-4.30e-03	-0.07	-9.12
39	28	-6.39	-2.57e-03	2.62e-04	-24.86	0.0	1.97	9.38	-0.15	-3.44e-03	-2.57e-03	-7.45
		-9.29	-0.09	-5.31e-06	0.0	60.0	1.97	-15.48	-0.15	-3.44e-03	-0.09	-9.29
39	45	-1.29	-1.52e-03	1.05e-04	-6.53	0.0	-1.24	0.82	-0.08	-5.13e-04	-1.52e-03	-1.32
		-2.79	-0.05	-4.53e-06	0.0	60.0	-1.24	-5.71	-0.08	-5.13e-04	-0.05	-2.79
39	52	-6.95	-2.51e-04	2.47e-04	-24.86	0.0	3.53	10.30	-0.13	-3.73e-03	-2.51e-04	-8.23
		-9.51	-0.08	-2.00e-06	0.0	60.0	3.53	-14.56	-0.13	-3.73e-03	-0.08	-9.51
39	69	-2.36	2.35e-03	7.96e-05	-6.53	0.0	1.36	2.35	-0.05	-9.95e-04	2.35e-03	-2.61
		-3.16	-0.03	0.0	0.0	60.0	1.36	-4.18	-0.05	-9.95e-04	-0.03	-3.16
39	122	-1.95	0.12	-1.71e-04	-13.13	0.0	10.61	19.26	0.17	-8.33e-04	0.02	-9.42
		-9.42	0.02	2.25e-05	0.0	60.0	10.61	6.13	0.17	-8.33e-04	0.12	-1.95
39	123	0.99	-0.02	4.30e-04	-13.13	0.0	-7.09	-8.42	-0.31	-3.51e-03	-0.02	0.99
		-7.85	-0.21	-2.56e-05	0.0	60.0	-7.09	-21.55	-0.31	-3.51e-03	-0.21	-7.85
39	125	-5.03	0.12	-1.02e-04	-13.13	0.0	11.95	17.23	0.12	5.53e-03	0.03	-11.53
		-11.53	0.03	-4.62e-06	0.0	60.0	11.95	4.10	0.12	5.53e-03	0.12	-5.03
39	128	3.10	-0.03	3.61e-04	-13.13	0.0	-8.44	-6.39	-0.26	-9.87e-03	-0.03	3.10
		-4.78	-0.20	2.82e-06	0.0	60.0	-8.44	-19.52	-0.26	-9.87e-03	-0.20	-4.78
39	154	-1.57	0.14	-2.08e-04	-13.13	0.0	11.71	20.98	0.20	-6.72e-04	0.02	-10.06
		-10.06	0.02	2.57e-05	0.0	60.0	11.71	7.85	0.20	-6.72e-04	0.14	-1.57
39	155	1.63	-0.02	4.67e-04	-13.13	0.0	-8.19	-10.14	-0.34	-3.67e-03	-0.02	1.63
		-8.23	-0.23	-2.88e-05	0.0	60.0	-8.19	-23.28	-0.34	-3.67e-03	-0.23	-8.23
39	157	-5.06	0.13	-1.31e-04	-13.13	0.0	13.22	18.70	0.14	6.51e-03	0.04	-12.44
		-12.44	0.04	-5.10e-06	0.0	60.0	13.22	5.56	0.14	6.51e-03	0.13	-5.06
39	160	4.01	-0.04	3.90e-04	-13.13	0.0	-9.71	-7.86	-0.28	-0.01	-0.04	4.01
		-4.75	-0.22	3.29e-06	0.0	60.0	-9.71	-20.99	-0.28	-0.01	-0.22	-4.75
39	186	-1.53	0.14	-2.04e-04	-13.13	0.0	11.55	20.77	0.20	-7.55e-04	0.02	-9.92
		-9.92	0.02	2.66e-05	0.0	60.0	11.55	7.64	0.20	-7.55e-04	0.14	-1.53
39	187	1.49	-0.02	4.63e-04	-13.13	0.0	-8.04	-9.93	-0.34	-3.59e-03	-0.02	1.49
		-8.27	-0.22	-2.98e-05	0.0	60.0	-8.04	-23.07	-0.34	-3.59e-03	-0.22	-8.27
39	189	-5.13	0.13	-1.25e-04	-13.13	0.0	13.07	18.47	0.14	6.50e-03	0.04	-12.38
		-12.38	0.04	-5.46e-06	0.0	60.0	13.07	5.34	0.14	6.50e-03	0.13	-5.13
39	192	3.95	-0.04	3.84e-04	-13.13	0.0	-9.56	-7.63	-0.28	-0.01	-0.04	3.95
		-4.68	-0.21	3.53e-06	0.0	60.0	-9.56	-20.77	-0.28	-0.01	-0.21	-4.68
39	218	-0.91	0.17	-2.60e-04	-13.13	0.0	13.13	23.30	0.24	-5.98e-04	0.02	-10.80
		-10.80	0.02	3.23e-05	0.0	60.0	13.13	10.17	0.24	-5.98e-04	0.17	-0.91
39	219	2.37	-0.02	5.19e-04	-13.13	0.0	-9.62	-12.46	-0.38	-3.75e-03	-0.02	2.37
		-8.89	-0.25	-3.55e-05	0.0	60.0	-9.62	-25.60	-0.38	-3.75e-03	-0.25	-8.89
39	221	-5.22	0.16	-1.65e-04	-13.13	0.0	14.94	20.58	0.17	8.02e-03	0.04	-13.74
		-13.74	0.04	-6.35e-06	0.0	60.0	14.94	7.45	0.17	8.02e-03	0.16	-5.22
39	224	5.31	-0.04	4.24e-04	-13.13	0.0	-11.42	-9.74	-0.31	-0.01	-0.04	5.31
		-4.59	-0.24	4.38e-06	0.0	60.0	-11.42	-22.87	-0.31	-0.01	-0.24	-4.59
39	244	-4.67	-1.00e-03	1.60e-04	-17.09	0.0	2.72	7.44	-0.08	-3.01e-03	-1.00e-03	-5.64
		-6.30	-0.05	-1.36e-06	0.0	60.0	2.72	-9.65	-0.08	-3.01e-03	-0.05	-6.30
39	256	-4.42	-1.72e-03	1.81e-04	-17.09	0.0	1.40	6.44	-0.10	-2.44e-03	-1.72e-03	-5.14
		-6.41	-0.06	-3.60e-06	0.0	60.0	1.40	-10.66	-0.10	-2.44e-03	-0.06	-6.41
39	261	-1.69	-1.19e-03	9.99e-05	-7.19	0.0	-0.41	1.66	-0.07	-9.37e-04	-1.19e-03	-1.80
		-2.97	-0.04	-3.36e-06	0.0	60.0	-0.41	-5.54	-0.07	-9.37e-04	-0.04	-2.97
39	268	-4.79	-1.72e-04	1.71e-04	-17.09	0.0	2.44	7.05	-0.09	-2.63e-03	-1.72e-04	-5.66
		-6.56	-0.06	-1.40e-06	0.0	60.0	2.44	-10.05	-0.09	-2.63e-03	-0.06	-6.56
39	273	-2.36	1.39e-03	8.31e-05	-7.19	0.0	1.32	2.68	-0.05	-1.26e-03	1.39e-03	-2.66
		-3.21	-0.03	0.0	0.0	60.0	1.32	-4.52	-0.05	-1.26e-03	-0.03	-3.21
39	298	-3.80	-8.95e-04	1.38e-04	-14.12	0.0	1.87	5.86	-0.07	-2.27e-03	-8.95e-04	-4.53
		-5.25	-0.04	-1.69e-06	0.0	60.0	1.87	-8.26	-0.07	-2.27e-03	-0.04	-5.25
39	303	-3.57	-7.45e-04	1.27e-04	-13.13	0.0	1.90	5.53	-0.07	-2.24e-03	-7.45e-04	-4.27
		-4.89	-0.04	-1.32e-06	0.0	60.0	1.90	-7.60	-0.07	-2.24e-03	-0.04	-4.89
39	304	-1.97	-5.56e-04	8.19e-05	-7.19	0.0	0.76	2.55	-0.05	-1.45e-03	-5.56e-04	-2.24
		-2.87	-0.03	-1.36e-06	0.0	60.0	0.76	-4.65	-0.05	-1.45e-03	-0.03	-2.87
39	305	-3.49	-9.83e-04	1.34e-04	-13.13	0.0	1.46	5.20	-0.08	-2.05e-03	-9.83e-04	-4.11
		-4.93	-0.05	-2.07e-06	0.0	60.0	1.46	-7.94	-0.08	-2.05e-03	-0.05	-4.93
39	306	-2.10	-3.99e-05	7.85e-05	-7.19	0.0	1.11	2.75	-0.05	-1.51e-03	-3.99e-05	-2.41
		-2.92	-0.03	0.0	0.0	60.0	1.11	-4.44	-0.05	-1.51e-03	-0.03	-2.92
39	309	-2.03	-3.97e-04	7.73e-05	-7.19	0.0	1.06	2.77	-0.05	-1.57e-03	-3.97e-04	-2.35
		-2.84	-0.03	0.0	0.0	60.0	1.06	-4.42	-0.05	-1.57e-03	-0.03	-2.84
39	310	-3.55	-8.24e-04	1.29e-04	-13.13	0.0	1.76	5.42	-0.07	-2.17e-03	-8.24e-04	-4.22
		-4.90	-0.04	-1.57e-06	0.0	60.0	1.76	-7.71	-0.07	-2.17e-03	-0.04	-4.90
40	18	-5.68	0.01	6.20e-05	-8.27	0.0	2.17	7.88	0.18	-0.02	-0.07	-7.45
		-7.45	-0.07	-7.25e-06	0.0	47.0	2.17	-0.39	0.18	-0.02	0.01	-5.69
40	28	-7.08	0.03	8.56e-05	-10.05	0.0	-0.39	9.58	0.29	-0.02	-0.11	-9.22
		-9.22	-0.11	-1.48e-05	0.0	47.0	-0.39	-0.46	0.29	-0.02	0.03	-7.08

40	44	-6.05	0.03	7.85e-05	-8.27	0.0	-1.57	7.81	0.28	-0.01	-0.10	-7.78
		-7.78	-0.10	-1.54e-05	0.0	47.0	-1.57	-0.46	0.28	-0.01	0.03	-6.06
40	45	-2.28	0.02	3.62e-05	-2.71	0.0	-2.18	2.46	0.15	-6.50e-04	-0.05	-2.80
		-2.80	-0.05	-9.12e-06	0.0	47.0	-2.18	-0.25	0.15	-6.50e-04	0.02	-2.29
40	52	-7.12	0.03	7.71e-05	-10.05	0.0	1.28	9.92	0.26	-0.02	-0.09	-9.42
		-9.42	-0.09	-1.09e-05	0.0	47.0	1.28	-0.13	0.26	-0.02	0.03	-7.12
40	93	-1.86	4.68e-03	2.67e-05	-2.71	0.0	0.16	2.25	0.07	-7.86e-03	-0.03	-2.30
		-2.30	-0.03	-4.26e-06	0.0	47.0	0.16	-0.46	0.07	-7.86e-03	4.68e-03	-1.88
40	122	-0.67	0.13	-2.35e-05	-5.34	0.0	9.10	3.78	-0.37	-0.01	0.13	-1.23
		-1.23	-0.05	2.46e-05	0.0	47.0	9.10	-1.56	-0.37	-0.01	-0.05	-0.80
40	123	-6.63	0.07	1.08e-04	-5.34	0.0	-7.94	6.41	0.63	-9.87e-03	-0.23	-8.48
		-8.48	-0.23	-3.70e-05	0.0	47.0	-7.94	1.07	0.63	-9.87e-03	0.07	-6.63
40	125	-2.46	0.12	-3.82e-05	-5.34	0.0	10.41	6.80	-0.34	-3.93e-03	0.12	-4.30
		-4.30	-0.03	1.71e-06	0.0	47.0	10.41	1.46	-0.34	-3.93e-03	-0.03	-2.46
40	128	-4.84	0.05	1.23e-04	-5.34	0.0	-9.24	3.39	0.60	-0.02	-0.22	-5.41
		-5.41	-0.22	-1.41e-05	0.0	47.0	-9.24	-1.95	0.60	-0.02	0.05	-4.98
40	138	0.96	-0.02	5.45e-05	-5.34	0.0	0.22	0.28	0.11	-0.03	-0.04	0.96
		-0.46	-0.04	6.29e-06	0.0	47.0	0.22	-5.06	0.11	-0.03	-0.02	-0.46
40	139	-6.97	0.05	3.05e-05	-5.34	0.0	0.95	9.91	0.15	0.01	-0.06	-10.67
		-10.67	-0.06	-1.87e-05	0.0	47.0	0.95	4.57	0.15	0.01	0.05	-6.97
40	154	-0.26	0.15	-3.17e-05	-5.34	0.0	10.16	3.61	-0.43	-0.01	0.15	-0.77
		-0.77	-0.05	2.86e-05	0.0	47.0	10.16	-1.73	-0.43	-0.01	-0.05	-0.43
40	155	-7.00	0.08	1.17e-04	-5.34	0.0	-9.00	6.58	0.70	-9.77e-03	-0.25	-8.94
		-8.94	-0.25	-4.10e-05	0.0	47.0	-9.00	1.24	0.70	-9.77e-03	0.08	-7.00
40	157	-2.31	0.14	-4.83e-05	-5.34	0.0	11.63	7.02	-0.40	-3.05e-03	0.14	-4.25
		-4.25	-0.03	2.60e-06	0.0	47.0	11.63	1.69	-0.40	-3.05e-03	-0.03	-2.31
40	160	-4.96	0.06	1.33e-04	-5.34	0.0	-10.47	3.16	0.66	-0.02	-0.24	-5.47
		-5.47	-0.24	-1.50e-05	0.0	47.0	-10.47	-2.17	0.66	-0.02	0.06	-5.13
40	170	1.71	-0.03	5.62e-05	-5.34	0.0	0.15	-0.35	0.11	-0.03	-0.03	1.71
		-0.04	-0.03	7.89e-06	0.0	47.0	0.15	-5.69	0.11	-0.03	-0.03	-0.04
40	171	-7.39	0.05	2.88e-05	-5.34	0.0	1.01	10.54	0.16	0.01	-0.07	-11.43
		-11.43	-0.07	-2.03e-05	0.0	47.0	1.01	5.20	0.16	0.01	0.05	-7.39
40	186	-0.26	0.15	-3.02e-05	-5.34	0.0	10.01	3.55	-0.42	-0.01	0.15	-0.75
		-0.75	-0.05	2.89e-05	0.0	47.0	10.01	-1.79	-0.42	-0.01	-0.05	-0.43
40	187	-7.00	0.08	1.15e-04	-5.34	0.0	-8.85	6.64	0.68	-9.83e-03	-0.25	-8.97
		-8.97	-0.25	-4.13e-05	0.0	47.0	-8.85	1.30	0.68	-9.83e-03	0.08	-7.00
40	189	-2.37	0.13	-4.73e-05	-5.34	0.0	11.49	7.07	-0.38	-3.06e-03	0.13	-4.33
		-4.33	-0.03	1.84e-06	0.0	47.0	11.49	1.74	-0.38	-3.06e-03	-0.03	-2.37
40	192	-4.89	0.06	1.32e-04	-5.34	0.0	-10.33	3.11	0.65	-0.02	-0.24	-5.38
		-5.38	-0.24	-1.42e-05	0.0	47.0	-10.33	-2.22	0.65	-0.02	0.06	-5.07
40	202	1.85	-0.03	5.74e-05	-5.34	0.0	0.04	-0.50	0.11	-0.03	-0.03	1.85
		0.02	-0.03	8.10e-06	0.0	47.0	0.04	-5.84	0.11	-0.03	-0.03	0.02
40	203	-7.45	0.05	2.76e-05	-5.34	0.0	1.12	10.69	0.15	0.01	-0.07	-11.57
		-11.57	-0.07	-2.05e-05	0.0	47.0	1.12	5.35	0.15	0.01	0.05	-7.45
40	218	0.38	0.18	-4.16e-05	-5.34	0.0	11.53	3.23	-0.51	-0.01	0.18	-6.82e-03
		-6.82e-03	-0.06	3.53e-05	0.0	47.0	11.53	-2.11	-0.51	-0.01	-0.06	0.14
40	219	-7.57	0.09	1.27e-04	-5.34	0.0	-10.37	6.96	0.77	-9.64e-03	-0.28	-9.71
		-9.71	-0.28	-4.77e-05	0.0	47.0	-10.37	1.62	0.77	-9.64e-03	0.09	-7.57
40	221	-2.17	0.16	-6.22e-05	-5.34	0.0	13.29	7.45	-0.47	-1.68e-03	0.16	-4.30
		-4.30	-0.04	2.69e-06	0.0	47.0	13.29	2.11	-0.47	-1.68e-03	-0.04	-2.17
40	224	-5.02	0.06	1.47e-04	-5.34	0.0	-12.12	2.74	0.73	-0.02	-0.26	-5.42
		-5.42	-0.26	-1.51e-05	0.0	47.0	-12.12	-2.60	0.73	-0.02	0.06	-5.26
40	226	3.17	0.08	5.14e-05	-5.34	0.0	1.16	-1.27	-0.28	-0.03	0.08	3.17
		0.92	-0.06	7.58e-05	0.0	47.0	1.16	-6.60	-0.28	-0.03	-0.06	0.92
40	227	-8.35	0.08	3.36e-05	-5.34	0.0	4.52e-03	11.45	0.55	6.48e-03	-0.18	-12.88
		-12.88	-0.18	-8.81e-05	0.0	47.0	4.52e-03	6.12	0.55	6.48e-03	0.08	-8.35
40	251	-3.96	0.01	4.36e-05	-5.73	0.0	1.47	5.45	0.13	-0.01	-0.05	-5.18
		-5.18	-0.05	-5.17e-06	0.0	47.0	1.47	-0.28	0.13	-0.01	0.01	-3.97
40	256	-4.89	0.02	5.93e-05	-6.92	0.0	-0.23	6.59	0.20	-0.01	-0.07	-6.37
		-6.37	-0.07	-1.02e-05	0.0	47.0	-0.23	-0.33	0.20	-0.01	0.02	-4.90
40	261	-2.38	0.02	3.46e-05	-2.97	0.0	-1.32	2.73	0.13	-3.28e-03	-0.05	-2.97
		-2.97	-0.05	-7.62e-06	0.0	47.0	-1.32	-0.24	0.13	-3.28e-03	0.02	-2.38
40	264	-4.21	0.02	5.46e-05	-5.73	0.0	-1.02	5.41	0.19	-8.13e-03	-0.07	-5.41
		-5.41	-0.07	-1.06e-05	0.0	47.0	-1.02	-0.33	0.19	-8.13e-03	0.02	-4.21
40	268	-4.92	0.02	5.36e-05	-6.92	0.0	0.88	6.81	0.18	-0.01	-0.07	-6.50
		-6.50	-0.07	-7.62e-06	0.0	47.0	0.88	-0.11	0.18	-0.01	0.02	-4.92
40	285	-2.10	6.33e-03	2.82e-05	-2.97	0.0	0.24	2.59	0.08	-8.09e-03	-0.03	-2.63
		-2.63	-0.03	-4.38e-06	0.0	47.0	0.24	-0.38	0.08	-8.09e-03	6.33e-03	-2.11
40	298	-3.96	0.01	4.50e-05	-5.73	0.0	0.62	5.48	0.14	-0.01	-0.05	-5.20
		-5.20	-0.05	-6.55e-06	0.0	47.0	0.62	-0.25	0.14	-0.01	0.01	-3.97
40	303	-3.70	0.01	4.17e-05	-5.34	0.0	0.75	5.10	0.13	-0.01	-0.05	-4.84
		-4.84	-0.05	-5.83e-06	0.0	47.0	0.75	-0.24	0.13	-0.01	0.01	-3.70
40	304	-2.25	9.84e-03	2.87e-05	-2.97	0.0	9.41e-03	2.75	0.10	-6.65e-03	-0.04	-2.85
		-2.85	-0.04	-4.73e-06	0.0	47.0	9.41e-03	-0.22	0.10	-6.65e-03	9.84e-03	-2.25
40	305	-3.75	0.01	4.40e-05	-5.34	0.0	0.25	5.09	0.14	-9.94e-03	-0.05	-4.89

		-4.89	-0.05	-6.91e-06	0.0	47.0	0.25	-0.25	0.14	-9.94e-03	0.01	-3.75
40	308	-2.19	7.96e-03	2.74e-05	-2.97	0.0	0.32	2.72	0.09	-7.61e-03	-0.03	-2.78
		-2.78	-0.03	-4.08e-06	0.0	47.0	0.32	-0.25	0.09	-7.61e-03	7.96e-03	-2.20
40	309	-2.22	8.36e-03	2.72e-05	-2.97	0.0	0.34	2.76	0.09	-7.49e-03	-0.03	-2.82
		-2.82	-0.03	-4.01e-06	0.0	47.0	0.34	-0.21	0.09	-7.49e-03	8.36e-03	-2.22
40	310	-3.71	0.01	4.25e-05	-5.34	0.0	0.58	5.09	0.13	-0.01	-0.05	-4.86
		-4.86	-0.05	-6.19e-06	0.0	47.0	0.58	-0.24	0.13	-0.01	0.01	-3.72
41	12	-4.32	-6.92e-03	8.85e-05	-5.66	0.0	-0.59	6.98	2.85e-03	0.0	-6.92e-03	-6.48
		-6.48	-0.01	-1.10e-06	0.0	52.0	-0.59	1.31	2.85e-03	0.0	-0.01	-4.32
41	19	-5.48	-2.89e-03	9.97e-05	-5.66	0.0	-0.43	5.86	-1.77e-03	0.0	-2.89e-03	-7.06
		-7.06	-7.88e-03	1.25e-06	0.0	52.0	-0.43	0.19	-1.77e-03	0.0	-7.88e-03	-5.48
41	27	-24.82	-2.69e-03	4.40e-04	-21.55	0.0	-1.76	19.87	-0.02	0.0	-2.69e-03	-29.58
		-29.58	-0.03	-8.26e-06	0.0	52.0	-1.76	-1.68	-0.02	0.0	-0.03	-24.85
41	28	-24.21	-4.72e-03	4.34e-04	-21.55	0.0	-1.82	20.41	-0.02	0.0	-4.72e-03	-29.24
		-29.24	-0.03	-8.84e-06	0.0	52.0	-1.82	-1.13	-0.02	0.0	-0.03	-24.23
41	55	-21.31	-1.35e-03	3.87e-04	-18.53	0.0	-1.33	16.67	-0.02	0.0	-1.35e-03	-25.20
		-25.20	-0.02	-3.68e-06	0.0	52.0	-1.33	-1.87	-0.02	0.0	-0.02	-21.35
41	121	-7.43	4.44e-03	2.03e-04	-11.38	0.0	-2.64	9.65	0.02	0.0	1.52e-03	-9.62
		-9.62	1.52e-03	-4.18e-05	0.0	52.0	-2.64	-1.73	0.02	0.0	4.44e-03	-7.49
41	124	-17.76	-6.48e-03	2.47e-04	-11.38	0.0	0.81	11.96	-0.04	0.0	-6.48e-03	-20.94
		-20.94	-0.03	3.64e-05	0.0	52.0	0.81	0.57	-0.04	0.0	-0.03	-17.76
41	125	-7.56	6.17e-03	2.05e-04	-11.38	0.0	-2.66	9.62	0.02	0.0	2.38e-03	-9.74
		-9.74	2.38e-03	-1.57e-05	0.0	52.0	-2.66	-1.77	0.02	0.0	6.17e-03	-7.61
41	128	-17.63	-7.34e-03	2.44e-04	-11.38	0.0	0.83	11.99	-0.04	0.0	-7.34e-03	-20.82
		-20.82	-0.04	1.02e-05	0.0	52.0	0.83	0.61	-0.04	0.0	-0.04	-17.63
41	137	-9.81	0.02	3.52e-04	-11.38	0.0	-1.69	9.54	-0.02	0.0	0.02	-12.12
		-12.12	3.17e-03	-4.44e-05	0.0	52.0	-1.69	-1.84	-0.02	0.0	3.17e-03	-9.85
41	153	-6.79	6.88e-03	2.00e-04	-11.38	0.0	-2.85	9.50	0.02	0.0	2.08e-03	-8.93
		-8.93	2.08e-03	-4.70e-05	0.0	52.0	-2.85	-1.88	0.02	0.0	6.88e-03	-6.85
41	156	-18.39	-7.04e-03	2.49e-04	-11.38	0.0	1.02	12.10	-0.04	0.0	-7.04e-03	-21.63
		-21.63	-0.04	4.16e-05	0.0	52.0	1.02	0.72	-0.04	0.0	-0.04	-18.39
41	157	-6.93	8.86e-03	2.03e-04	-11.38	0.0	-2.87	9.47	0.02	0.0	3.04e-03	-9.05
		-9.05	3.04e-03	-1.74e-05	0.0	52.0	-2.87	-1.91	0.02	0.0	8.86e-03	-7.00
41	160	-18.25	-8.00e-03	2.47e-04	-11.38	0.0	1.04	12.14	-0.04	0.0	-8.00e-03	-21.51
		-21.51	-0.04	1.19e-05	0.0	52.0	1.04	0.76	-0.04	0.0	-0.04	-18.25
41	169	-9.48	0.02	3.69e-04	-11.38	0.0	-1.79	9.38	-0.02	0.0	0.02	-11.74
		-11.74	5.54e-03	-5.04e-05	0.0	52.0	-1.79	-2.01	-0.02	0.0	5.54e-03	-9.52
41	185	-6.92	6.51e-03	2.03e-04	-11.38	0.0	-2.82	9.51	0.02	0.0	2.40e-03	-9.07
		-9.07	2.40e-03	-4.88e-05	0.0	52.0	-2.82	-1.87	0.02	0.0	6.51e-03	-6.99
41	188	-18.26	-7.36e-03	2.46e-04	-11.38	0.0	0.98	12.09	-0.04	0.0	-7.36e-03	-21.49
		-21.49	-0.04	4.34e-05	0.0	52.0	0.98	0.71	-0.04	0.0	-0.04	-18.26
41	189	-7.06	8.64e-03	2.06e-04	-11.38	0.0	-2.84	9.48	0.02	0.0	3.35e-03	-9.18
		-9.18	3.35e-03	-1.78e-05	0.0	52.0	-2.84	-1.90	0.02	0.0	8.64e-03	-7.12
41	192	-18.12	-8.31e-03	2.44e-04	-11.38	0.0	1.01	12.13	-0.04	0.0	-8.31e-03	-21.38
		-21.38	-0.04	1.24e-05	0.0	52.0	1.01	0.75	-0.04	0.0	-0.04	-18.12
41	201	-9.63	0.02	3.74e-04	-11.38	0.0	-1.79	9.35	-0.02	0.0	0.02	-11.89
		-11.89	5.75e-03	-5.49e-05	0.0	52.0	-1.79	-2.03	-0.02	0.0	5.75e-03	-9.68
41	217	-5.99	0.01	2.02e-04	-11.38	0.0	-3.13	9.29	0.02	0.0	3.47e-03	-8.05
		-8.05	3.47e-03	-5.84e-05	0.0	52.0	-3.13	-2.09	0.02	0.0	0.01	-6.06
41	220	-19.18	-8.43e-03	2.48e-04	-11.38	0.0	1.29	12.31	-0.04	0.0	-8.43e-03	-22.51
		-22.51	-0.04	5.30e-05	0.0	52.0	1.29	0.93	-0.04	0.0	-0.04	-19.18
41	221	-6.14	0.01	2.04e-04	-11.38	0.0	-3.16	9.25	0.03	0.0	4.51e-03	-8.18
		-8.18	4.51e-03	-2.06e-05	0.0	52.0	-3.16	-2.13	0.03	0.0	0.01	-6.22
41	224	-19.02	-9.47e-03	2.46e-04	-11.38	0.0	1.33	12.35	-0.05	0.0	-9.47e-03	-22.38
		-22.38	-0.04	1.52e-05	0.0	52.0	1.33	0.97	-0.05	0.0	-0.04	-19.02
41	233	-9.12	0.03	4.03e-04	-11.38	0.0	-1.94	9.08	-0.02	0.0	0.03	-11.30
		-11.30	9.62e-03	-6.67e-05	0.0	52.0	-1.94	-2.30	-0.02	0.0	9.62e-03	-9.18
41	245	-5.41	-5.73e-03	1.05e-04	-6.23	0.0	-0.62	7.17	6.50e-04	0.0	-5.73e-03	-7.52
		-7.52	-0.01	-1.40e-06	0.0	52.0	-0.62	0.94	6.50e-04	0.0	-0.01	-5.41
41	248	-6.19	-3.04e-03	1.12e-04	-6.23	0.0	-0.51	6.42	-2.43e-03	0.0	-3.04e-03	-7.91
		-7.91	-8.95e-03	0.0	0.0	52.0	-0.51	0.19	-2.43e-03	0.0	-8.95e-03	-6.19
41	255	-16.97	-2.09e-03	3.01e-04	-14.81	0.0	-1.22	13.75	-0.01	0.0	-2.09e-03	-20.29
		-20.29	-0.02	-5.69e-06	0.0	52.0	-1.22	-1.06	-0.01	0.0	-0.02	-16.99
41	256	-16.57	-3.43e-03	2.97e-04	-14.81	0.0	-1.26	14.11	-0.01	0.0	-3.43e-03	-20.06
		-20.06	-0.02	-6.07e-06	0.0	52.0	-1.26	-0.70	-0.01	0.0	-0.02	-16.58
41	267	-16.74	-2.02e-03	3.04e-04	-14.81	0.0	-1.11	13.63	-0.01	0.0	-2.02e-03	-20.00
		-20.00	-0.02	-3.12e-06	0.0	52.0	-1.11	-1.18	-0.01	0.0	-0.02	-16.77
41	298	-13.66	-2.39e-03	2.43e-04	-12.24	0.0	-0.97	11.52	-9.70e-03	0.0	-2.39e-03	-16.48
		-16.48	-0.02	-2.86e-06	0.0	52.0	-0.97	-0.72	-9.70e-03	0.0	-0.02	-13.67
41	299	-6.17	-3.55e-03	1.13e-04	-6.23	0.0	-0.60	6.63	-2.37e-03	0.0	-3.55e-03	-7.99
		-7.99	-9.85e-03	-1.97e-06	0.0	52.0	-0.60	0.39	-2.37e-03	0.0	-9.85e-03	-6.17
41	302	-6.30	-3.02e-03	1.14e-04	-6.23	0.0	-0.57	6.47	-2.91e-03	0.0	-3.02e-03	-8.05
		-8.05	-9.43e-03	-1.42e-06	0.0	52.0	-0.57	0.23	-2.91e-03	0.0	-9.43e-03	-6.30
41	309	-6.33	-3.01e-03	1.15e-04	-6.23	0.0	-0.58	6.48	-3.03e-03	0.0	-3.01e-03	-8.08
		-8.08	-9.55e-03	-1.81e-06	0.0	52.0	-0.58	0.25	-3.03e-03	0.0	-9.55e-03	-6.33

41	310	-12.61	-2.48e-03	2.25e-04	-11.38	0.0	-0.92	10.80	-8.75e-03	0.0	-2.48e-03	-15.28
		-15.28	-0.02	-2.71e-06	0.0	52.0	-0.92	-0.58	-8.75e-03	0.0	-0.02	-12.62
42	12	-0.49	-2.05e-03	1.83e-05	-5.23	0.0	-1.33	10.60	0.03	0.02	-0.01	-4.32
		-4.32	-0.01	-1.25e-06	0.0	48.0	-1.33	5.37	0.03	0.02	-2.05e-03	-0.49
42	19	-1.74	-2.01e-03	9.76e-06	-5.23	0.0	-1.22	10.41	0.02	0.02	-9.29e-03	-5.48
		-5.48	-9.29e-03	1.02e-06	0.0	48.0	-1.22	5.18	0.02	0.02	-2.01e-03	-1.74
42	27	-10.60	-8.21e-03	3.85e-05	-19.89	0.0	-5.41	39.63	0.07	0.08	-0.03	-24.85
		-24.85	-0.03	-8.36e-06	0.0	48.0	-5.41	19.74	0.07	0.08	-8.21e-03	-10.60
42	28	-9.96	-8.19e-03	4.28e-05	-19.89	0.0	-5.42	39.68	0.08	0.08	-0.04	-24.23
		-24.23	-0.04	-8.93e-06	0.0	48.0	-5.42	19.79	0.08	0.08	-8.19e-03	-9.96
42	70	-1.18	-1.73e-03	2.83e-05	-5.23	0.0	-1.38	10.48	0.02	0.02	-0.01	-4.95
		-4.95	-0.01	-1.85e-06	0.0	48.0	-1.38	5.26	0.02	0.02	-1.73e-03	-1.18
42	121	-3.48	0.01	7.09e-05	-10.51	0.0	-3.76	15.11	0.01	0.03	8.14e-03	-7.49
		-7.49	8.14e-03	-3.76e-05	0.0	48.0	-3.76	4.61	0.01	0.03	0.01	-3.48
42	122	-2.71	7.61e-03	-1.11e-05	-10.51	0.0	-3.30	16.36	0.03	0.04	5.91e-04	-8.78
		-8.78	5.91e-04	3.74e-05	0.0	48.0	-3.30	5.86	0.03	0.04	7.61e-03	-2.71
42	124	-6.71	-0.02	-3.05e-05	-10.51	0.0	-1.76	26.75	0.06	0.05	-0.04	-17.76
		-17.76	-0.04	3.18e-05	0.0	48.0	-1.76	16.25	0.06	0.05	-0.02	-6.71
42	125	-2.79	0.01	7.50e-05	-10.51	0.0	-3.75	15.16	0.01	0.03	0.01	-7.61
		-7.61	0.01	-1.32e-05	0.0	48.0	-3.75	4.65	0.01	0.03	0.01	-2.79
42	128	-7.40	-0.02	-3.46e-05	-10.51	0.0	-1.77	26.71	0.07	0.05	-0.05	-17.63
		-17.63	-0.05	7.44e-06	0.0	48.0	-1.77	16.20	0.07	0.05	-0.02	-7.40
42	154	-2.42	9.09e-03	-1.36e-05	-10.51	0.0	-3.36	15.80	0.02	0.04	2.89e-03	-8.30
		-8.30	2.89e-03	4.28e-05	0.0	48.0	-3.36	5.29	0.02	0.04	9.09e-03	-2.42
42	156	-6.92	-0.02	-3.71e-05	-10.51	0.0	-1.64	27.47	0.07	0.06	-0.05	-18.39
		-18.39	-0.05	3.65e-05	0.0	48.0	-1.64	16.97	0.07	0.06	-0.02	-6.92
42	157	-2.50	0.01	8.22e-05	-10.51	0.0	-3.87	14.44	7.53e-03	0.02	0.01	-7.00
		-7.00	0.01	-1.45e-05	0.0	48.0	-3.87	3.94	7.53e-03	0.02	0.01	-2.50
42	160	-7.69	-0.02	-4.18e-05	-10.51	0.0	-1.65	27.42	0.07	0.05	-0.05	-18.25
		-18.25	-0.05	8.81e-06	0.0	48.0	-1.65	16.92	0.07	0.05	-0.02	-7.69
42	165	-5.85	4.68e-03	1.67e-04	-10.51	0.0	-3.88	16.84	8.74e-03	0.01	3.67e-03	-8.70
		-8.70	3.67e-03	-1.44e-04	0.0	48.0	-3.88	6.34	8.74e-03	0.01	4.68e-03	-5.85
42	168	-4.34	-0.01	-1.27e-04	-10.51	0.0	-1.64	25.02	0.07	0.06	-0.04	-16.55
		-16.55	-0.04	1.38e-04	0.0	48.0	-1.64	14.51	0.07	0.06	-0.01	-4.34
42	186	-2.48	8.93e-03	-1.47e-05	-10.51	0.0	-3.34	15.85	0.02	0.04	2.40e-03	-8.34
		-8.34	2.40e-03	4.48e-05	0.0	48.0	-3.34	5.35	0.02	0.04	8.93e-03	-2.48
42	188	-6.90	-0.02	-3.86e-05	-10.51	0.0	-1.65	27.34	0.07	0.06	-0.05	-18.26
		-18.26	-0.05	3.83e-05	0.0	48.0	-1.65	16.83	0.07	0.06	-0.02	-6.90
42	189	-2.56	0.01	8.33e-05	-10.51	0.0	-3.86	14.56	7.60e-03	0.02	0.01	-7.12
		-7.12	0.01	-1.50e-05	0.0	48.0	-3.86	4.05	7.60e-03	0.02	0.01	-2.56
42	192	-7.63	-0.02	-4.29e-05	-10.51	0.0	-1.66	27.31	0.07	0.05	-0.05	-18.12
		-18.12	-0.05	9.30e-06	0.0	48.0	-1.66	16.80	0.07	0.05	-0.02	-7.63
42	197	-5.79	4.36e-03	1.73e-04	-10.51	0.0	-3.89	17.00	7.97e-03	0.01	3.89e-03	-8.88
		-8.88	3.89e-03	-1.50e-04	0.0	48.0	-3.89	6.49	7.97e-03	0.01	4.36e-03	-5.79
42	200	-4.41	-0.01	-1.33e-04	-10.51	0.0	-1.63	24.87	0.07	0.07	-0.04	-16.36
		-16.36	-0.04	1.44e-04	0.0	48.0	-1.63	14.36	0.07	0.07	-0.01	-4.41
42	218	-2.05	0.01	-1.99e-05	-10.51	0.0	-3.43	15.04	0.02	0.04	5.57e-03	-7.65
		-7.65	5.57e-03	5.47e-05	0.0	48.0	-3.43	4.53	0.02	0.04	0.01	-2.05
42	220	-7.19	-0.02	-5.01e-05	-10.51	0.0	-1.46	28.39	0.07	0.06	-0.05	-19.18
		-19.18	-0.05	4.69e-05	0.0	48.0	-1.46	17.88	0.07	0.06	-0.02	-7.19
42	221	-2.15	0.02	9.49e-05	-10.51	0.0	-4.04	13.51	2.27e-03	0.02	0.02	-6.22
		-6.22	0.02	-1.74e-05	0.0	48.0	-4.04	3.01	2.27e-03	0.02	0.02	-2.15
42	224	-8.04	-0.02	-5.45e-05	-10.51	0.0	-1.48	28.35	0.08	0.06	-0.06	-19.02
		-19.02	-0.06	1.17e-05	0.0	48.0	-1.48	17.85	0.08	0.06	-0.02	-8.04
42	229	-5.91	8.05e-03	2.04e-04	-10.51	0.0	-4.11	16.33	1.92e-03	8.57e-03	8.05e-03	-8.25
		-8.25	5.80e-03	-1.81e-04	0.0	48.0	-4.11	5.82	1.92e-03	8.57e-03	5.80e-03	-5.92
42	232	-4.28	-0.01	-1.64e-04	-10.51	0.0	-1.41	25.54	0.08	0.07	-0.04	-16.99
		-16.99	-0.04	1.75e-04	0.0	48.0	-1.41	15.03	0.08	0.07	-0.01	-4.28
42	245	-1.20	-2.32e-03	1.69e-05	-5.75	0.0	-1.49	11.65	0.03	0.02	-0.01	-5.41
		-5.41	-0.01	-1.54e-06	0.0	48.0	-1.49	5.90	0.03	0.02	-2.32e-03	-1.20
42	248	-2.03	-2.29e-03	1.12e-05	-5.75	0.0	-1.42	11.53	0.02	0.02	-0.01	-6.19
		-6.19	-0.01	0.0	0.0	48.0	-1.42	5.77	0.02	0.02	-2.29e-03	-2.03
42	255	-7.17	-5.66e-03	2.61e-05	-13.67	0.0	-3.72	27.30	0.05	0.05	-0.02	-16.99
		-16.99	-0.02	-5.76e-06	0.0	48.0	-3.72	13.62	0.05	0.05	-5.66e-03	-7.17
42	256	-6.74	-5.65e-03	2.90e-05	-13.67	0.0	-3.73	27.32	0.05	0.05	-0.02	-16.58
		-16.58	-0.02	-6.14e-06	0.0	48.0	-3.73	13.65	0.05	0.05	-5.65e-03	-6.74
42	274	-1.66	-2.10e-03	2.36e-05	-5.75	0.0	-1.53	11.58	0.03	0.02	-0.01	-5.83
		-5.83	-0.01	-1.94e-06	0.0	48.0	-1.53	5.82	0.03	0.02	-2.10e-03	-1.66
42	298	-5.60	-4.57e-03	2.17e-05	-11.30	0.0	-2.96	22.47	0.04	0.04	-0.02	-13.67
		-13.67	-0.02	-3.03e-06	0.0	48.0	-2.96	11.17	0.04	0.04	-4.57e-03	-5.60
42	299	-1.92	-2.43e-03	1.22e-05	-5.75	0.0	-1.55	11.72	0.03	0.02	-0.01	-6.17
		-6.17	-0.01	-2.06e-06	0.0	48.0	-1.55	5.96	0.03	0.02	-2.43e-03	-1.92
42	302	-2.08	-2.41e-03	1.11e-05	-5.75	0.0	-1.52	11.67	0.02	0.02	-0.01	-6.30
		-6.30	-0.01	-1.53e-06	0.0	48.0	-1.52	5.91	0.02	0.02	-2.41e-03	-2.08
42	306	-2.09	-2.37e-03	1.30e-05	-5.75	0.0	-1.54	11.67	0.02	0.02	-0.01	-6.32

		-6.32	-0.01	-1.84e-06	0.0	48.0	-1.54	5.92	0.02	0.02	-2.37e-03	-2.09
42	309	-2.10	-2.44e-03	1.11e-05	-5.75	0.0	-1.55	11.70	0.02	0.02	-0.01	-6.33
		-6.33	-0.01	-1.91e-06	0.0	48.0	-1.55	5.95	0.02	0.02	-2.44e-03	-2.10
42	310	-5.10	-4.26e-03	2.02e-05	-10.51	0.0	-2.76	20.93	0.04	0.04	-0.02	-12.62
		-12.62	-0.02	-2.87e-06	0.0	48.0	-2.76	10.43	0.04	0.04	-4.26e-03	-5.10
43	20	0.52	-1.05e-04	5.01e-05	-5.23	0.0	-0.73	5.95	6.13e-03	5.41e-03	-2.56e-03	-1.10
		-1.10	-2.56e-03	0.0	0.0	48.0	-0.73	0.72	6.13e-03	5.41e-03	-1.05e-04	0.52
43	27	-3.24	2.40e-03	1.05e-04	-19.89	0.0	-4.24	25.10	0.04	0.04	-0.01	-10.60
		-10.60	-0.01	-9.00e-06	0.0	48.0	-4.24	5.21	0.04	0.04	2.40e-03	-3.24
43	44	-1.84	2.60e-03	1.03e-04	-16.33	0.0	-3.62	20.40	0.03	0.04	-9.63e-03	-7.78
		-7.78	-9.63e-03	-1.11e-05	0.0	48.0	-3.62	4.08	0.03	0.04	2.60e-03	-1.84
43	84	1.03	5.38e-04	5.82e-05	-5.23	0.0	-0.90	5.86	9.25e-03	8.42e-03	-3.10e-03	-0.55
		-0.55	-3.10e-03	-3.27e-06	0.0	48.0	-0.90	0.64	9.25e-03	8.42e-03	5.38e-04	1.03
43	123	-2.28	1.31e-03	9.35e-05	-10.51	0.0	-2.00	15.46	0.05	0.02	-0.02	-7.48
		-7.48	-0.02	6.03e-04	0.0	48.0	-2.00	4.95	0.05	0.02	1.31e-03	-2.28
43	125	-0.81	0.01	1.05e-04	-10.51	0.0	-2.51	10.00	-0.02	9.29e-03	0.01	-2.79
		-2.79	7.56e-04	-6.60e-04	0.0	48.0	-2.51	-0.50	-0.02	9.29e-03	7.56e-04	-0.85
43	128	-1.75	1.05e-03	1.70e-05	-10.51	0.0	-1.65	16.15	0.05	0.03	-0.02	-7.40
		-7.40	-0.02	6.54e-04	0.0	48.0	-1.65	5.64	0.05	0.03	1.05e-03	-1.75
43	133	-2.01	4.67e-03	1.83e-04	-10.51	0.0	-2.82	11.07	-3.65e-03	2.16e-03	4.67e-03	-5.77
		-5.77	1.22e-03	-3.21e-04	0.0	48.0	-2.82	0.56	-3.65e-03	2.16e-03	1.22e-03	-2.01
43	134	-0.16	4.17e-04	-5.94e-05	-10.51	0.0	-1.50	13.44	0.02	0.03	-7.13e-03	-3.22
		-3.22	-7.13e-03	-7.13e-05	0.0	48.0	-1.50	2.93	0.02	0.03	4.17e-04	-0.16
43	136	-0.58	5.90e-04	-6.16e-05	-10.51	0.0	-1.34	15.08	0.04	0.04	-0.02	-4.42
		-4.42	-0.02	3.15e-04	0.0	48.0	-1.34	4.58	0.04	0.04	5.90e-04	-0.58
43	155	-2.40	1.36e-03	9.78e-05	-10.51	0.0	-2.00	15.76	0.05	0.02	-0.02	-7.78
		-7.78	-0.02	6.80e-04	0.0	48.0	-2.00	5.25	0.05	0.02	1.36e-03	-2.40
43	157	-0.72	0.01	1.10e-04	-10.51	0.0	-2.56	9.62	-0.02	7.96e-03	0.01	-2.50
		-2.50	7.38e-04	-7.44e-04	0.0	48.0	-2.56	-0.88	-0.02	7.96e-03	7.38e-04	-0.79
43	160	-1.80	1.07e-03	1.13e-05	-10.51	0.0	-1.60	16.53	0.06	0.03	-0.03	-7.69
		-7.69	-0.03	7.38e-04	0.0	48.0	-1.60	6.02	0.06	0.03	1.07e-03	-1.80
43	165	-2.10	5.98e-03	1.99e-04	-10.51	0.0	-2.91	10.83	-6.32e-03	-1.64e-04	5.98e-03	-5.85
		-5.85	1.26e-03	-3.63e-04	0.0	48.0	-2.91	0.32	-6.32e-03	-1.64e-04	1.26e-03	-2.10
43	166	-0.02	3.54e-04	-7.54e-05	-10.51	0.0	-1.43	13.48	0.02	0.03	-7.33e-03	-2.99
		-2.99	-7.33e-03	-7.92e-05	0.0	48.0	-1.43	2.97	0.02	0.03	3.54e-04	-0.02
43	168	-0.49	5.48e-04	-7.79e-05	-10.51	0.0	-1.24	15.33	0.04	0.04	-0.02	-4.34
		-4.34	-0.02	3.56e-04	0.0	48.0	-1.24	4.82	0.04	0.04	5.48e-04	-0.49
43	187	-2.38	1.36e-03	9.94e-05	-10.51	0.0	-2.01	15.73	0.05	0.02	-0.02	-7.71
		-7.71	-0.02	6.82e-04	0.0	48.0	-2.01	5.22	0.05	0.02	1.36e-03	-2.38
43	189	-0.75	0.01	1.12e-04	-10.51	0.0	-2.56	9.69	-0.02	8.00e-03	0.01	-2.56
		-2.56	7.47e-04	-7.48e-04	0.0	48.0	-2.56	-0.82	-0.02	8.00e-03	7.47e-04	-0.81
43	192	-1.79	1.06e-03	1.00e-05	-10.51	0.0	-1.60	16.47	0.06	0.03	-0.03	-7.63
		-7.63	-0.03	7.42e-04	0.0	48.0	-1.60	5.96	0.06	0.03	1.06e-03	-1.79
43	197	-2.09	5.95e-03	2.05e-04	-10.51	0.0	-2.93	10.91	-6.20e-03	-7.82e-04	5.95e-03	-5.79
		-5.79	1.27e-03	-3.70e-04	0.0	48.0	-2.93	0.40	-6.20e-03	-7.82e-04	1.27e-03	-2.09
43	198	-0.04	3.46e-04	-8.07e-05	-10.51	0.0	-1.41	13.43	0.02	0.04	-7.46e-03	-3.08
		-3.08	-7.46e-03	-7.41e-05	0.0	48.0	-1.41	2.92	0.02	0.04	3.46e-04	-0.04
43	200	-0.51	5.36e-04	-8.32e-05	-10.51	0.0	-1.23	15.25	0.04	0.04	-0.02	-4.41
		-4.41	-0.02	3.64e-04	0.0	48.0	-1.23	4.74	0.04	0.04	5.36e-04	-0.51
43	219	-2.56	1.44e-03	1.07e-04	-10.51	0.0	-2.01	16.15	0.05	0.02	-0.02	-8.14
		-8.14	-0.02	8.03e-04	0.0	48.0	-2.01	5.64	0.05	0.02	1.44e-03	-2.56
43	221	-0.60	0.02	1.21e-04	-10.51	0.0	-2.64	9.13	-0.03	5.97e-03	0.02	-2.15
		-2.15	7.26e-04	-8.81e-04	0.0	48.0	-2.64	-1.38	-0.03	5.97e-03	7.26e-04	-0.73
43	224	-1.86	1.08e-03	-9.38e-06	-10.51	0.0	-1.52	17.03	0.07	0.03	-0.03	-8.04
		-8.04	-0.03	8.75e-04	0.0	48.0	-1.52	6.52	0.07	0.03	1.08e-03	-1.86
43	229	-2.24	8.07e-03	2.34e-04	-10.51	0.0	-3.10	10.54	-0.01	-4.92e-03	8.07e-03	-5.92
		-5.92	1.35e-03	-4.40e-04	0.0	48.0	-3.10	0.03	-0.01	-4.92e-03	1.35e-03	-2.24
43	230	0.19	2.39e-04	-1.10e-04	-10.51	0.0	-1.27	13.51	0.02	0.04	-7.97e-03	-2.73
		-2.73	-7.97e-03	-8.23e-05	0.0	48.0	-1.27	3.00	0.02	0.04	2.39e-04	0.19
43	232	-0.35	4.60e-04	-1.13e-04	-10.51	0.0	-1.06	15.62	0.05	0.04	-0.02	-4.28
		-4.28	-0.02	4.34e-04	0.0	48.0	-1.06	5.11	0.05	0.04	4.60e-04	-0.35
43	249	0.27	1.33e-04	4.97e-05	-5.75	0.0	-0.92	6.73	7.97e-03	7.84e-03	-2.98e-03	-1.60
		-1.60	-2.98e-03	0.0	0.0	48.0	-0.92	0.98	7.97e-03	7.84e-03	1.33e-04	0.27
43	255	-2.12	1.64e-03	7.35e-05	-13.67	0.0	-2.90	17.24	0.03	0.03	-7.68e-03	-7.17
		-7.17	-7.68e-03	-6.20e-06	0.0	48.0	-2.90	3.57	0.03	0.03	1.64e-03	-2.12
43	264	-1.19	1.77e-03	7.22e-05	-11.30	0.0	-2.49	14.11	0.02	0.03	-6.67e-03	-5.29
		-5.29	-6.67e-03	-7.57e-06	0.0	48.0	-2.49	2.81	0.02	0.03	1.77e-03	-1.19
43	281	0.61	5.62e-04	5.51e-05	-5.75	0.0	-1.04	6.67	0.01	9.85e-03	-3.34e-03	-1.24
		-1.24	-3.34e-03	-2.95e-06	0.0	48.0	-1.04	0.92	0.01	9.85e-03	5.62e-04	0.61
43	298	-1.50	9.69e-04	6.39e-05	-11.30	0.0	-2.24	14.09	0.02	0.02	-6.12e-03	-5.60
		-5.60	-6.12e-03	-3.35e-06	0.0	48.0	-2.24	2.79	0.02	0.02	9.69e-04	-1.50
43	299	0.05	5.24e-04	4.51e-05	-5.75	0.0	-1.08	6.94	9.95e-03	0.01	-3.26e-03	-1.92
		-1.92	-3.26e-03	-2.23e-06	0.0	48.0	-1.08	1.18	9.95e-03	0.01	5.24e-04	0.05
43	302	-0.09	4.40e-04	4.19e-05	-5.75	0.0	-1.07	6.99	9.58e-03	0.01	-3.21e-03	-2.08
		-2.08	-3.21e-03	-1.70e-06	0.0	48.0	-1.07	1.24	9.58e-03	0.01	4.40e-04	-0.09

43	305	-1.30	1.06e-03	6.08e-05	-10.51	0.0	-2.14	13.12	0.02	0.02	-5.82e-03	-5.12
		-5.12	-5.82e-03	-3.94e-06	0.0	48.0	-2.14	2.61	0.02	0.02	1.06e-03	-1.30
43	309	-0.09	5.19e-04	4.20e-05	-5.75	0.0	-1.10	7.01	9.97e-03	0.01	-3.26e-03	-2.10
		-2.10	-3.26e-03	-2.08e-06	0.0	48.0	-1.10	1.26	9.97e-03	0.01	5.19e-04	-0.09
43	310	-1.30	9.05e-04	6.08e-05	-10.51	0.0	-2.08	13.08	0.02	0.02	-5.71e-03	-5.10
		-5.10	-5.71e-03	-3.17e-06	0.0	48.0	-2.08	2.57	0.02	0.02	9.05e-04	-1.30
44	12	1.52	1.53e-04	9.39e-05	-5.23	0.0	-0.59	3.26	-1.87e-03	-1.56e-03	1.53e-04	1.03
		1.03	-5.43e-04	-1.37e-06	0.0	48.0	-0.59	-1.96	-1.87e-03	-1.56e-03	-5.43e-04	1.34
44	17	0.27	2.30e-04	1.45e-04	-16.33	0.0	-2.71	13.19	-1.78e-03	8.54e-03	2.30e-04	-2.29
		-2.29	-1.24e-03	-1.79e-06	0.0	48.0	-2.71	-3.13	-1.78e-03	8.54e-03	-1.24e-03	0.13
44	27	0.06	1.25e-03	1.68e-04	-19.89	0.0	-3.77	16.56	1.72e-03	0.02	1.25e-03	-3.24
		-3.24	5.24e-04	-8.92e-06	0.0	48.0	-3.77	-3.33	1.72e-03	0.02	5.24e-04	-0.07
44	46	1.16	1.61e-03	7.90e-05	-5.23	0.0	-1.11	3.90	2.45e-03	8.89e-03	1.16e-03	0.46
		0.46	1.16e-03	-8.29e-06	0.0	48.0	-1.11	-1.33	2.45e-03	8.89e-03	1.61e-03	1.07
44	51	-0.03	6.74e-04	1.76e-04	-19.89	0.0	-3.54	16.32	8.83e-04	0.02	6.74e-04	-3.24
		-3.24	-8.49e-05	-5.12e-06	0.0	48.0	-3.54	-3.57	8.83e-04	0.02	-8.49e-05	-0.19
44	81	1.77	5.74e-04	1.21e-04	-8.01	0.0	-1.17	5.54	-1.59e-03	2.16e-03	5.74e-04	0.85
		0.85	-2.95e-04	-4.12e-06	0.0	48.0	-1.17	-2.47	-1.59e-03	2.16e-03	-2.95e-04	1.59
44	121	-0.07	3.33e-03	1.38e-04	-10.51	0.0	-2.65	5.84	5.16e-03	9.70e-04	1.52e-03	-0.87
		-0.87	1.52e-03	-4.45e-05	0.0	48.0	-2.65	-4.66	5.16e-03	9.70e-04	3.33e-03	-0.56
44	124	1.08	-6.57e-04	5.69e-05	-10.51	0.0	-1.02	11.14	-5.60e-03	0.01	-6.57e-04	-1.72
		-1.72	-3.83e-03	3.82e-05	0.0	48.0	-1.02	0.64	-5.60e-03	0.01	-3.83e-03	1.08
44	135	-0.60	0.01	2.16e-04	-10.51	0.0	-2.20	8.12	0.03	2.88e-03	2.08e-03	-2.43
		-2.43	2.08e-03	-1.27e-04	0.0	48.0	-2.20	-2.38	0.03	2.88e-03	0.01	-0.66
44	138	1.42	-5.54e-04	-4.13e-05	-10.51	0.0	-1.40	9.18	-0.03	6.83e-03	-5.54e-04	-0.25
		-0.25	-0.02	4.14e-05	0.0	48.0	-1.40	-1.33	-0.03	6.83e-03	-0.02	1.34
44	139	-0.72	0.02	2.35e-04	-10.51	0.0	-2.27	7.81	0.03	8.32e-03	1.41e-03	-2.35
		-2.35	1.41e-03	-4.77e-05	0.0	48.0	-2.27	-2.70	0.03	8.32e-03	0.02	-0.82
44	144	1.61	-1.00e-03	-3.80e-05	-10.51	0.0	-1.13	10.40	-0.03	0.01	-1.00e-03	-0.65
		-0.65	-0.01	4.13e-05	0.0	48.0	-1.13	-0.11	-0.03	0.01	-0.01	1.61
44	153	-0.11	3.81e-03	1.43e-04	-10.51	0.0	-2.75	5.51	5.90e-03	1.44e-04	1.66e-03	-0.82
		-0.82	1.66e-03	-5.00e-05	0.0	48.0	-2.75	-4.99	5.90e-03	1.44e-04	3.81e-03	-0.66
44	156	1.18	-7.97e-04	5.16e-05	-10.51	0.0	-0.92	11.47	-6.34e-03	0.02	-7.97e-04	-1.78
		-1.78	-4.31e-03	4.37e-05	0.0	48.0	-0.92	0.97	-6.34e-03	0.02	-4.31e-03	1.18
44	167	-0.73	0.02	2.32e-04	-10.51	0.0	-2.25	8.08	0.03	2.27e-03	2.30e-03	-2.58
		-2.58	2.30e-03	-1.44e-04	0.0	48.0	-2.25	-2.43	0.03	2.27e-03	0.02	-0.78
44	170	1.56	-6.86e-04	-5.83e-05	-10.51	0.0	-1.35	9.27	-0.04	6.72e-03	-6.86e-04	-0.12
		-0.12	-0.02	4.70e-05	0.0	48.0	-1.35	-1.24	-0.04	6.72e-03	-0.02	1.48
44	171	-0.86	0.02	2.53e-04	-10.51	0.0	-2.33	7.72	0.04	8.44e-03	1.55e-03	-2.48
		-2.48	1.55e-03	-5.33e-05	0.0	48.0	-2.33	-2.79	0.04	8.44e-03	0.02	-0.96
44	176	1.78	-1.19e-03	-5.39e-05	-10.51	0.0	-1.04	10.64	-0.03	0.01	-1.19e-03	-0.57
		-0.57	-0.02	4.73e-05	0.0	48.0	-1.04	0.13	-0.03	0.01	-0.02	1.78
44	185	-0.11	4.01e-03	1.45e-04	-10.51	0.0	-2.75	5.56	6.29e-03	2.22e-04	1.67e-03	-0.83
		-0.83	1.67e-03	-5.18e-05	0.0	48.0	-2.75	-4.95	6.29e-03	2.22e-04	4.01e-03	-0.66
44	188	1.18	-8.10e-04	5.00e-05	-10.51	0.0	-0.93	11.43	-6.73e-03	0.01	-8.10e-04	-1.76
		-1.76	-4.52e-03	4.55e-05	0.0	48.0	-0.93	0.92	-6.73e-03	0.01	-4.52e-03	1.18
44	194	1.48	-1.39e-03	-4.98e-05	-10.51	0.0	-1.27	9.12	-0.04	0.01	-1.39e-03	-0.06
		-0.06	-0.02	1.44e-04	0.0	48.0	-1.27	-1.39	-0.04	0.01	-0.02	1.36
44	195	-0.78	0.02	2.45e-04	-10.51	0.0	-2.40	7.87	0.03	4.14e-03	2.25e-03	-2.53
		-2.53	2.25e-03	-1.51e-04	0.0	48.0	-2.40	-2.64	0.03	4.14e-03	0.02	-0.84
44	199	-0.76	0.02	2.37e-04	-10.51	0.0	-2.27	8.07	0.03	2.14e-03	2.39e-03	-2.55
		-2.55	2.39e-03	-1.50e-04	0.0	48.0	-2.27	-2.44	0.03	2.14e-03	0.02	-0.82
44	208	1.81	-1.22e-03	-5.79e-05	-10.51	0.0	-1.03	10.64	-0.03	0.01	-1.22e-03	-0.58
		-0.58	-0.02	4.91e-05	0.0	48.0	-1.03	0.13	-0.03	0.01	-0.02	1.81
44	217	-0.16	4.92e-03	1.55e-04	-10.51	0.0	-2.90	5.07	7.75e-03	-1.04e-03	1.90e-03	-0.76
		-0.82	1.90e-03	-6.18e-05	0.0	48.0	-2.90	-5.44	7.75e-03	-1.04e-03	4.92e-03	-0.82
44	220	1.34	-1.04e-03	4.03e-05	-10.51	0.0	-0.77	11.92	-8.19e-03	0.02	-1.04e-03	-1.83
		-1.83	-5.43e-03	5.55e-05	0.0	48.0	-0.77	1.41	-8.19e-03	0.02	-5.43e-03	1.34
44	226	1.70	-1.77e-03	-7.96e-05	-10.51	0.0	-1.16	9.25	-0.04	0.01	-1.77e-03	0.16
		0.16	-0.02	1.74e-04	0.0	48.0	-1.16	-1.25	-0.04	0.01	-0.02	1.58
44	227	-1.00	0.02	2.75e-04	-10.51	0.0	-2.51	7.73	0.04	3.35e-03	2.63e-03	-2.76
		-2.76	2.63e-03	-1.80e-04	0.0	48.0	-2.51	-2.77	0.04	3.35e-03	0.02	-1.07
44	231	-0.98	0.02	2.66e-04	-10.51	0.0	-2.37	7.96	0.04	1.01e-03	2.80e-03	-2.78
		-2.78	2.80e-03	-1.81e-04	0.0	48.0	-2.37	-2.54	0.04	1.01e-03	0.02	-1.04
44	240	2.10	-1.53e-03	-8.74e-05	-10.51	0.0	-0.88	11.02	-0.04	0.01	-1.53e-03	-0.44
		-0.44	-0.02	5.94e-05	0.0	48.0	-0.88	0.51	-0.04	0.01	-0.02	2.10
44	245	1.24	2.14e-04	8.85e-05	-5.75	0.0	-0.77	3.92	-1.37e-03	3.19e-04	2.14e-04	0.60
		0.60	-4.10e-04	-1.68e-06	0.0	48.0	-0.77	-1.84	-1.37e-03	3.19e-04	-4.10e-04	1.10
44	250	0.27	1.76e-04	1.02e-04	-11.30	0.0	-1.87	9.10	-1.23e-03	5.91e-03	1.76e-04	-1.48
		-1.48	-8.35e-04	-1.39e-06	0.0	48.0	-1.87	-2.20	-1.23e-03	5.91e-03	-8.35e-04	0.17
44	255	0.13	8.56e-04	1.18e-04	-13.67	0.0	-2.58	11.34	1.11e-03	0.01	8.56e-04	-2.12
		-2.12	3.39e-04	-6.15e-06	0.0	48.0	-2.58	-2.34	1.11e-03	0.01	3.39e-04	0.04
44	264	0.59	1.05e-03	1.14e-04	-11.30	0.0	-2.17	9.14	1.66e-03	0.01	1.05e-03	-1.19
		-1.19	8.79e-04	-7.53e-06	0.0	48.0	-2.17	-2.16	1.66e-03	0.01	8.79e-04	0.49
44	267	0.07	4.72e-04	1.23e-04	-13.67	0.0	-2.42	11.18	5.51e-04	0.01	4.72e-04	-2.12

		-2.12	-6.68e-05	-3.61e-06	0.0	48.0	-2.42	-2.49	5.51e-04	0.01	-6.68e-05	-0.04
44	281	1.27	4.06e-04	8.60e-05	-5.75	0.0	-0.84	4.00	-1.09e-03	1.67e-03	4.06e-04	0.61
		0.61	-2.07e-04	-2.94e-06	0.0	48.0	-0.84	-1.76	-1.09e-03	1.67e-03	-2.07e-04	1.14
44	298	0.29	4.53e-04	1.02e-04	-11.30	0.0	-1.99	9.18	-1.96e-04	8.28e-03	4.53e-04	-1.50
		-1.50	-2.73e-04	-3.31e-06	0.0	48.0	-1.99	-2.12	-1.96e-04	8.28e-03	-2.73e-04	0.20
44	299	0.82	3.07e-04	7.18e-05	-5.75	0.0	-0.91	4.29	-4.33e-04	3.06e-03	3.07e-04	0.05
		0.05	-1.14e-04	-2.22e-06	0.0	48.0	-0.91	-1.46	-4.33e-04	3.06e-03	-1.14e-04	0.73
44	302	0.71	2.33e-04	6.75e-05	-5.75	0.0	-0.91	4.36	-5.59e-04	2.92e-03	2.33e-04	-0.09
		-0.09	-2.37e-04	-1.68e-06	0.0	48.0	-0.91	-1.39	-5.59e-04	2.92e-03	-2.37e-04	0.63
44	303	0.35	3.74e-04	9.74e-05	-10.51	0.0	-1.81	8.48	-4.24e-04	7.11e-03	3.74e-04	-1.29
		-1.29	-3.64e-04	-2.75e-06	0.0	48.0	-1.81	-2.03	-4.24e-04	7.11e-03	-3.64e-04	0.25
44	305	0.36	5.40e-04	9.76e-05	-10.51	0.0	-1.88	8.53	1.93e-04	8.52e-03	5.40e-04	-1.30
		-1.30	-2.64e-05	-3.90e-06	0.0	48.0	-1.88	-1.98	1.93e-04	8.52e-03	-2.64e-05	0.27
44	309	0.71	2.88e-04	6.76e-05	-5.75	0.0	-0.93	4.38	-3.53e-04	3.39e-03	2.88e-04	-0.09
		-0.09	-1.24e-04	-2.07e-06	0.0	48.0	-0.93	-1.38	-3.53e-04	3.39e-03	-1.24e-04	0.63
44	310	0.35	4.30e-04	9.75e-05	-10.51	0.0	-1.84	8.49	-2.18e-04	7.58e-03	4.30e-04	-1.30
		-1.30	-2.51e-04	-3.13e-06	0.0	48.0	-1.84	-2.01	-2.18e-04	7.58e-03	-2.51e-04	0.26
45	12	1.36	-3.80e-04	1.29e-04	-5.23	0.0	-0.04	0.66	-8.09e-04	-3.14e-03	-3.80e-04	1.34
		0.40	-5.30e-04	-1.42e-06	0.0	48.0	-0.04	-4.56	-8.09e-04	-3.14e-03	-5.30e-04	0.40
45	17	0.89	-1.35e-03	2.05e-04	-16.33	0.0	-1.42	7.22	1.11e-04	2.33e-03	-1.35e-03	0.13
		-0.33	-1.53e-03	-1.92e-06	0.0	48.0	-1.42	-9.11	1.11e-04	2.33e-03	-1.53e-03	-0.33
45	27	1.01	6.10e-05	2.38e-04	-19.89	0.0	-2.34	9.48	5.86e-04	8.74e-03	6.10e-05	-0.07
		-0.29	-2.92e-04	-9.07e-06	0.0	48.0	-2.34	-10.41	5.86e-04	8.74e-03	-2.92e-04	-0.29
45	33	1.71	8.34e-04	1.72e-04	-8.01	0.0	-0.67	1.98	-6.16e-04	1.29e-03	8.34e-04	1.60
		0.63	5.23e-04	-7.46e-06	0.0	48.0	-0.67	-6.02	-6.16e-04	1.29e-03	5.23e-04	0.63
45	46	1.18	1.39e-03	1.10e-04	-5.23	0.0	-0.72	1.53	-1.66e-04	3.83e-03	1.39e-03	1.07
		0.56	1.12e-03	-8.32e-06	0.0	48.0	-0.72	-3.69	-1.66e-04	3.83e-03	1.12e-03	0.56
45	55	0.55	-3.09e-04	2.02e-04	-17.11	0.0	-1.81	8.12	-9.14e-04	5.41e-03	-3.09e-04	-0.37
		-0.58	-1.16e-03	-4.36e-06	0.0	48.0	-1.81	-8.99	-9.14e-04	5.41e-03	-1.16e-03	-0.58
45	129	-0.75	0.02	2.51e-04	-10.51	0.0	-1.60	2.56	-0.03	3.97e-03	0.02	-0.93
		-2.10	-2.98e-03	-1.28e-04	0.0	48.0	-1.60	-7.94	-0.03	3.97e-03	-2.98e-03	-2.10
45	132	2.36	1.87e-03	2.52e-05	-10.51	0.0	-0.43	6.60	0.03	1.46e-03	-0.02	1.45
		1.45	-0.02	1.21e-04	0.0	48.0	-0.43	-3.91	0.03	1.46e-03	1.87e-03	1.97
45	133	-0.80	0.01	2.56e-04	-10.51	0.0	-1.70	2.37	-0.04	6.26e-03	0.01	-0.96
		-2.24	-2.94e-03	-1.29e-04	0.0	48.0	-1.70	-8.14	-0.04	6.26e-03	-2.94e-03	-2.24
45	136	2.46	1.82e-03	1.96e-05	-10.51	0.0	-0.34	6.79	0.04	-8.24e-04	-0.02	1.47
		1.47	-0.02	1.22e-04	0.0	48.0	-0.34	-3.71	0.04	-8.24e-04	1.82e-03	2.10
45	141	-0.98	0.01	2.69e-04	-10.51	0.0	-1.60	2.07	-0.03	9.59e-03	0.01	-1.09
		-2.56	-1.26e-03	-4.64e-05	0.0	48.0	-1.60	-8.44	-0.03	9.59e-03	-1.26e-03	-2.56
45	144	2.71	1.53e-04	-1.18e-05	-10.51	0.0	-0.44	7.09	0.03	-4.16e-03	-0.01	1.61
		1.61	-0.01	3.99e-05	0.0	48.0	-0.44	-3.41	0.03	-4.16e-03	1.53e-04	2.43
45	161	-0.93	0.02	2.66e-04	-10.51	0.0	-1.68	2.30	-0.04	4.09e-03	0.02	-1.09
		-2.37	-3.31e-03	-1.45e-04	0.0	48.0	-1.68	-8.21	-0.04	4.09e-03	-3.31e-03	-2.37
45	164	2.59	2.20e-03	-1.05e-05	-10.51	0.0	-0.36	6.86	0.04	1.34e-03	-0.02	1.60
		1.60	-0.02	1.38e-04	0.0	48.0	-0.36	-3.65	0.04	1.34e-03	2.20e-03	2.23
45	165	-0.99	0.02	2.72e-04	-10.51	0.0	-1.79	2.08	-0.04	6.65e-03	0.02	-1.12
		-2.52	-3.26e-03	-1.45e-04	0.0	48.0	-1.79	-8.43	-0.04	6.65e-03	-3.26e-03	-2.52
45	168	2.70	2.15e-03	-1.33e-05	-10.51	0.0	-0.25	7.08	0.04	-1.22e-03	-0.02	1.63
		1.63	-0.02	1.39e-04	0.0	48.0	-0.25	-3.43	0.04	-1.22e-03	2.15e-03	2.39
45	173	-1.18	0.02	2.86e-04	-10.51	0.0	-1.68	1.74	-0.03	0.01	0.02	-1.27
		-2.88	-1.36e-03	-5.21e-05	0.0	48.0	-1.68	-8.76	-0.03	0.01	-1.36e-03	-2.88
45	176	2.99	2.52e-04	-2.08e-05	-10.51	0.0	-0.36	7.42	0.03	-5.04e-03	-0.02	1.78
		1.78	-0.02	4.57e-05	0.0	48.0	-0.36	-3.09	0.03	-5.04e-03	2.52e-04	2.75
45	193	-0.98	0.02	2.71e-04	-10.51	0.0	-1.70	2.26	-0.04	3.79e-03	0.02	-1.12
		-2.44	-3.48e-03	-1.53e-04	0.0	48.0	-1.70	-8.24	-0.04	3.79e-03	-3.48e-03	-2.44
45	196	2.65	2.37e-03	-1.29e-05	-10.51	0.0	-0.34	6.90	0.04	1.65e-03	-0.02	1.64
		1.64	-0.02	1.46e-04	0.0	48.0	-0.34	-3.61	0.04	1.65e-03	2.37e-03	2.31
45	197	-1.03	0.02	2.77e-04	-10.51	0.0	-1.81	2.05	-0.04	6.29e-03	0.02	-1.15
		-2.58	-3.42e-03	-1.51e-04	0.0	48.0	-1.81	-8.46	-0.04	6.29e-03	-3.42e-03	-2.58
45	200	2.75	2.31e-03	-1.60e-05	-10.51	0.0	-0.23	7.11	0.04	-8.57e-04	-0.02	1.66
		1.66	-0.02	1.45e-04	0.0	48.0	-0.23	-3.40	0.04	-8.57e-04	2.31e-03	2.45
45	205	-1.22	0.02	2.90e-04	-10.51	0.0	-1.69	1.71	-0.04	0.01	0.02	-1.29
		-2.94	-1.42e-03	-5.39e-05	0.0	48.0	-1.69	-8.80	-0.04	0.01	-1.42e-03	-2.94
45	208	3.04	3.09e-04	-2.33e-05	-10.51	0.0	-0.35	7.45	0.04	-5.07e-03	-0.02	1.81
		1.81	-0.02	4.75e-05	0.0	48.0	-0.35	-3.05	0.04	-5.07e-03	3.09e-04	2.80
45	225	-1.30	0.02	2.99e-04	-10.51	0.0	-1.84	1.81	-0.05	3.96e-03	0.02	-1.40
		-2.92	-4.13e-03	-1.85e-04	0.0	48.0	-1.84	-8.70	-0.05	3.96e-03	-4.13e-03	-2.92
45	228	3.05	3.02e-03	-2.93e-05	-10.51	0.0	-0.20	7.35	0.05	1.48e-03	-0.02	1.91
		1.91	-0.02	1.78e-04	0.0	48.0	-0.20	-3.16	0.05	1.48e-03	3.02e-03	2.78
45	229	-1.35	0.02	3.06e-04	-10.51	0.0	-1.96	1.57	-0.05	6.87e-03	0.02	-1.42
		-3.08	-4.06e-03	-1.82e-04	0.0	48.0	-1.96	-8.94	-0.05	6.87e-03	-4.06e-03	-3.08
45	232	3.17	2.95e-03	-3.44e-05	-10.51	0.0	-0.08	7.59	0.05	-1.44e-03	-0.02	1.94
		1.94	-0.02	1.76e-04	0.0	48.0	-0.08	-2.91	0.05	-1.44e-03	2.95e-03	2.95
45	237	-1.54	0.02	3.19e-04	-10.51	0.0	-1.81	1.18	-0.04	0.01	0.02	-1.58
		-3.47	-1.61e-03	-6.38e-05	0.0	48.0	-1.81	-9.33	-0.04	0.01	-1.61e-03	-3.47

45	240	3.50	5.03e-04	-4.46e-05	-10.51	0.0	-0.23	7.98	0.04	-6.52e-03	-0.02	2.10
		2.10	-0.02	5.74e-05	0.0	48.0	-0.23	-2.53	0.04	-6.52e-03	5.03e-04	3.34
45	245	1.17	-3.17e-04	1.22e-04	-5.75	0.0	-0.21	1.26	-5.87e-04	-1.79e-03	-3.17e-04	1.10
		0.33	-4.62e-04	-1.73e-06	0.0	48.0	-0.21	-4.50	-5.87e-04	-1.79e-03	-4.62e-04	0.33
45	250	0.68	-9.08e-04	1.45e-04	-11.30	0.0	-0.97	4.92	5.77e-05	1.57e-03	-9.08e-04	0.17
		-0.18	-1.04e-03	-1.48e-06	0.0	48.0	-0.97	-6.38	5.77e-05	1.57e-03	-1.04e-03	-0.18
45	255	0.76	2.92e-05	1.66e-04	-13.67	0.0	-1.58	6.43	3.74e-04	5.85e-03	2.92e-05	0.04
		-0.16	-2.15e-04	-6.25e-06	0.0	48.0	-1.58	-7.25	3.74e-04	5.85e-03	-2.15e-04	-0.16
45	257	1.23	5.44e-04	1.23e-04	-5.75	0.0	-0.47	1.43	-4.27e-04	8.78e-04	5.44e-04	1.15
		0.45	3.29e-04	-5.18e-06	0.0	48.0	-0.47	-4.32	-4.27e-04	8.78e-04	3.29e-04	0.45
45	262	1.07	8.61e-04	1.10e-04	-5.75	0.0	-0.66	1.84	-1.58e-04	2.86e-03	8.61e-04	0.93
		0.43	6.41e-04	-6.33e-06	0.0	48.0	-0.66	-3.92	-1.58e-04	2.86e-03	6.41e-04	0.43
45	267	0.64	-2.70e-04	1.71e-04	-13.67	0.0	-1.39	6.23	-6.57e-04	3.91e-03	-2.70e-04	-0.04
		-0.33	-8.84e-04	-3.69e-06	0.0	48.0	-1.39	-7.45	-6.57e-04	3.91e-03	-8.84e-04	-0.33
45	298	0.73	-4.30e-04	1.45e-04	-11.30	0.0	-1.11	5.01	1.46e-04	3.05e-03	-4.30e-04	0.20
		-0.11	-6.02e-04	-3.40e-06	0.0	48.0	-1.11	-6.29	1.46e-04	3.05e-03	-6.02e-04	-0.11
45	299	0.87	-1.35e-04	1.01e-04	-5.75	0.0	-0.41	1.85	-2.16e-04	3.70e-04	-1.35e-04	0.73
		0.23	-2.61e-04	-2.27e-06	0.0	48.0	-0.41	-3.91	-2.16e-04	3.70e-04	-2.61e-04	0.23
45	302	0.79	-2.57e-04	9.55e-05	-5.75	0.0	-0.41	1.96	-1.55e-04	3.91e-04	-2.57e-04	0.63
		0.19	-3.64e-04	-1.73e-06	0.0	48.0	-0.41	-3.80	-1.55e-04	3.91e-04	-3.64e-04	0.19
45	303	0.73	-4.87e-04	1.38e-04	-10.51	0.0	-0.99	4.56	8.81e-05	2.42e-03	-4.87e-04	0.25
		-0.08	-6.43e-04	-2.83e-06	0.0	48.0	-0.99	-5.95	8.81e-05	2.42e-03	-6.43e-04	-0.08
45	304	0.81	3.01e-05	9.57e-05	-5.75	0.0	-0.50	2.02	-1.02e-04	1.28e-03	3.01e-05	0.64
		0.23	-1.01e-04	-2.88e-06	0.0	48.0	-0.50	-3.74	-1.02e-04	1.28e-03	-1.01e-04	0.23
45	309	0.79	-1.61e-04	9.56e-05	-5.75	0.0	-0.44	1.98	-1.37e-04	6.88e-04	-1.61e-04	0.63
		0.20	-2.76e-04	-2.12e-06	0.0	48.0	-0.44	-3.78	-1.37e-04	6.88e-04	-2.76e-04	0.20
45	310	0.74	-3.91e-04	1.38e-04	-10.51	0.0	-1.02	4.58	1.06e-04	2.72e-03	-3.91e-04	0.26
		-0.07	-5.56e-04	-3.22e-06	0.0	48.0	-1.02	-5.93	1.06e-04	2.72e-03	-5.56e-04	-0.07
46	12	0.40	3.72e-03	1.67e-04	-5.23	0.0	0.49	-2.87	9.10e-03	-5.85e-04	-4.76e-04	0.40
		-2.23	-4.76e-04	-1.46e-06	0.0	48.0	0.49	-8.10	9.10e-03	-5.85e-04	3.72e-03	-2.23
46	17	-0.32	5.92e-03	2.68e-04	-16.33	0.0	-0.33	0.69	0.02	4.08e-03	-1.70e-03	-0.33
		-3.91	-1.70e-03	-2.09e-06	0.0	48.0	-0.33	-15.63	0.02	4.08e-03	5.92e-03	-3.91
46	27	-0.25	0.01	3.11e-04	-19.89	0.0	-1.24	1.97	0.02	2.76e-03	-4.89e-04	-0.29
		-4.12	-4.89e-04	-9.34e-06	0.0	48.0	-1.24	-17.92	0.02	2.76e-03	0.01	-4.12
46	33	0.63	8.30e-03	2.24e-04	-8.01	0.0	-0.09	-2.73	0.02	-2.20e-03	5.82e-04	0.63
		-2.61	5.82e-04	-7.59e-06	0.0	48.0	-0.09	-10.74	0.02	-2.20e-03	8.30e-03	-2.61
46	44	0.12	0.01	2.95e-04	-16.33	0.0	-1.07	0.34	0.02	1.05e-04	4.08e-04	0.12
		-3.63	4.08e-04	-1.14e-05	0.0	48.0	-1.07	-15.98	0.02	1.05e-04	0.01	-3.63
46	52	-0.42	0.01	3.43e-04	-19.89	0.0	-0.71	0.60	0.03	2.62e-03	-1.38e-03	-0.42
		-4.91	-1.38e-03	-6.06e-06	0.0	48.0	-0.71	-19.29	0.03	2.62e-03	0.01	-4.91
46	121	-2.19	7.97e-03	2.17e-04	-10.51	0.0	-1.26	-4.24	9.06e-03	1.35e-03	3.84e-03	-2.19
		-6.74	3.84e-03	-4.52e-05	0.0	48.0	-1.26	-14.74	9.06e-03	1.35e-03	7.97e-03	-6.74
46	124	2.58	2.28e-03	1.44e-04	-10.51	0.0	0.55	4.78	0.02	2.25e-03	-5.14e-03	2.06
		1.82	-5.14e-03	3.85e-05	0.0	48.0	0.55	-5.73	0.02	2.25e-03	2.28e-03	1.82
46	130	1.39	5.85e-03	6.30e-05	-10.51	0.0	0.26	2.30	-0.15	-7.71e-03	5.85e-03	1.27
		-0.17	-0.07	1.20e-04	0.0	48.0	0.26	-8.21	-0.15	-7.71e-03	-0.07	-0.17
46	131	-1.40	0.08	2.98e-04	-10.51	0.0	-0.96	-1.76	0.17	0.01	-7.15e-03	-1.40
		-4.75	-7.15e-03	-1.26e-04	0.0	48.0	-0.96	-12.27	0.17	0.01	0.08	-4.75
46	141	-2.56	0.06	3.09e-04	-10.51	0.0	-1.11	-4.23	0.13	0.01	-2.49e-03	-2.56
		-7.09	-2.49e-03	-4.75e-05	0.0	48.0	-1.11	-14.73	0.13	0.01	0.06	-7.09
46	144	2.94	1.19e-03	5.23e-05	-10.51	0.0	0.41	4.77	-0.11	-7.61e-03	1.19e-03	2.43
		2.18	-0.05	4.08e-05	0.0	48.0	0.41	-5.74	-0.11	-7.61e-03	-0.05	2.18
46	153	-2.46	8.49e-03	2.22e-04	-10.51	0.0	-1.37	-4.80	9.01e-03	1.29e-03	4.39e-03	-2.46
		-7.27	4.39e-03	-5.08e-05	0.0	48.0	-1.37	-15.31	9.01e-03	1.29e-03	8.49e-03	-7.27
46	156	2.97	1.75e-03	1.39e-04	-10.51	0.0	0.67	5.34	0.02	2.31e-03	-5.69e-03	2.33
		2.33	-5.69e-03	4.41e-05	0.0	48.0	0.67	-5.16	0.02	2.31e-03	1.75e-03	2.36
46	162	1.60	6.69e-03	4.73e-05	-10.51	0.0	0.34	2.57	-0.17	-8.84e-03	6.69e-03	1.45
		0.14	-0.08	1.36e-04	0.0	48.0	0.34	-7.93	-0.17	-8.84e-03	-0.08	0.14
46	163	-1.58	0.09	3.14e-04	-10.51	0.0	-1.04	-2.04	0.20	0.01	-7.99e-03	-1.58
		-5.06	-7.99e-03	-1.43e-04	0.0	48.0	-1.04	-12.54	0.20	0.01	0.09	-5.06
46	173	-2.88	0.07	3.26e-04	-10.51	0.0	-1.21	-4.81	0.15	0.01	-2.73e-03	-2.88
		-7.70	-2.73e-03	-5.34e-05	0.0	48.0	-1.21	-15.32	0.15	0.01	0.07	-7.70
46	176	3.40	1.43e-03	3.54e-05	-10.51	0.0	0.51	5.35	-0.12	-8.81e-03	1.43e-03	2.75
		2.75	-0.06	4.67e-05	0.0	48.0	0.51	-5.16	-0.12	-8.81e-03	-0.06	2.78
46	194	1.68	6.76e-03	4.18e-05	-10.51	0.0	0.37	2.69	-0.18	-8.38e-03	6.76e-03	1.52
		0.27	-0.08	1.40e-04	0.0	48.0	0.37	-7.82	-0.18	-8.38e-03	-0.08	0.27
46	195	-1.65	0.09	3.19e-04	-10.51	0.0	-1.07	-2.15	0.20	0.01	-8.06e-03	-1.65
		-5.19	-8.06e-03	-1.47e-04	0.0	48.0	-1.07	-12.66	0.20	0.01	0.09	-5.19
46	197	-2.58	0.07	3.16e-04	-10.51	0.0	-1.37	-4.25	0.16	7.46e-03	-3.91e-03	-2.58
		-7.12	-3.91e-03	-1.53e-04	0.0	48.0	-1.37	-14.76	0.16	7.46e-03	0.07	-7.12
46	200	2.97	2.61e-03	4.48e-05	-10.51	0.0	0.67	4.79	-0.14	-3.85e-03	2.61e-03	2.45
		2.21	-0.06	1.46e-04	0.0	48.0	0.67	-5.72	-0.14	-3.85e-03	-0.06	2.21
46	205	-2.94	0.07	3.30e-04	-10.51	0.0	-1.22	-4.90	0.15	0.01	-2.81e-03	-2.94
		-7.80	-2.81e-03	-5.52e-05	0.0	48.0	-1.22	-15.40	0.15	0.01	0.07	-7.80
46	208	3.47	1.51e-03	3.09e-05	-10.51	0.0	0.52	5.44	-0.13	-8.90e-03	1.51e-03	2.80

		2.80	-0.06	4.85e-05	0.0	48.0	0.52	-5.07	-0.13	-8.90e-03	-0.06	2.88
46	226	2.09	8.16e-03	1.31e-05	-10.51	0.0	0.51	3.22	-0.21	-0.01	8.16e-03	1.86
		0.86	-0.10	1.69e-04	0.0	48.0	0.51	-7.29	-0.21	-0.01	-0.10	0.86
46	227	-1.99	0.11	3.48e-04	-10.51	0.0	-1.21	-2.68	0.24	0.01	-9.46e-03	-1.99
		-5.78	-9.46e-03	-1.76e-04	0.0	48.0	-1.21	-13.18	0.24	0.01	0.11	-5.78
46	229	-3.08	0.09	3.45e-04	-10.51	0.0	-1.57	-5.13	0.19	8.44e-03	-4.63e-03	-3.08
		-8.04	-4.63e-03	-1.84e-04	0.0	48.0	-1.57	-15.64	0.19	8.44e-03	0.09	-8.04
46	232	3.67	3.33e-03	1.64e-05	-10.51	0.0	0.87	5.67	-0.17	-4.84e-03	3.33e-03	2.95
		2.95	-0.08	1.77e-04	0.0	48.0	0.87	-4.84	-0.17	-4.84e-03	-0.08	3.12
46	237	-3.47	0.08	3.59e-04	-10.51	0.0	-1.38	-5.85	0.18	0.01	-3.26e-03	-3.47
		-8.78	-3.26e-03	-6.52e-05	0.0	48.0	-1.38	-16.36	0.18	0.01	0.08	-8.78
46	240	4.26	1.96e-03	-1.54e-05	-10.51	0.0	0.68	6.39	-0.15	-0.01	1.96e-03	3.34
		3.34	-0.07	5.86e-05	0.0	48.0	0.68	-4.12	-0.15	-0.01	-0.07	3.87
46	245	0.33	3.85e-03	1.59e-04	-5.75	0.0	0.31	-2.19	9.26e-03	-1.87e-04	-4.37e-04	0.33
		-2.10	-4.37e-04	-1.79e-06	0.0	48.0	0.31	-7.94	9.26e-03	-1.87e-04	3.85e-03	-2.10
46	250	-0.18	4.26e-03	1.89e-04	-11.30	0.0	-0.21	0.33	0.01	2.73e-03	-1.15e-03	-0.18
		-2.73	-1.15e-03	-1.60e-06	0.0	48.0	-0.21	-10.97	0.01	2.73e-03	4.26e-03	-2.73
46	255	-0.13	7.47e-03	2.18e-04	-13.67	0.0	-0.82	1.18	0.02	1.85e-03	-3.47e-04	-0.16
		-2.87	-3.47e-04	-6.44e-06	0.0	48.0	-0.82	-12.49	0.02	1.85e-03	7.47e-03	-2.87
46	257	0.45	5.85e-03	1.60e-04	-5.75	0.0	-0.05	-1.95	0.01	-1.46e-03	3.67e-04	0.45
		-1.86	3.67e-04	-5.27e-06	0.0	48.0	-0.05	-7.71	0.01	-1.46e-03	5.85e-03	-1.86
46	264	0.12	8.06e-03	2.08e-04	-11.30	0.0	-0.70	0.10	0.02	8.14e-05	2.51e-04	0.12
		-2.55	2.51e-04	-7.78e-06	0.0	48.0	-0.70	-11.20	0.02	8.14e-05	8.06e-03	-2.55
46	268	-0.25	7.62e-03	2.39e-04	-13.67	0.0	-0.46	0.27	0.02	1.76e-03	-9.40e-04	-0.25
		-3.40	-9.40e-04	-4.25e-06	0.0	48.0	-0.46	-13.41	0.02	1.76e-03	7.62e-03	-3.40
46	298	-0.11	5.38e-03	1.90e-04	-11.30	0.0	-0.41	0.46	0.01	2.03e-03	-7.08e-04	-0.11
		-2.60	-7.08e-04	-3.54e-06	0.0	48.0	-0.41	-10.84	0.01	2.03e-03	5.38e-03	-2.60
46	299	0.23	3.79e-03	1.32e-04	-5.75	0.0	0.03	-1.12	8.67e-03	2.45e-04	-2.75e-04	0.23
		-1.68	-2.75e-04	-2.34e-06	0.0	48.0	0.03	-6.87	8.67e-03	2.45e-04	3.79e-03	-1.68
46	303	-0.08	4.90e-03	1.80e-04	-10.51	0.0	-0.31	0.24	0.01	1.94e-03	-7.39e-04	-0.08
		-2.48	-7.39e-04	-2.96e-06	0.0	48.0	-0.31	-10.26	0.01	1.94e-03	4.90e-03	-2.48
46	305	-0.04	5.57e-03	1.81e-04	-10.51	0.0	-0.43	0.32	0.01	1.52e-03	-4.72e-04	-0.04
		-2.40	-4.72e-04	-4.12e-06	0.0	48.0	-0.43	-10.19	0.01	1.52e-03	5.57e-03	-2.40
46	309	0.20	3.60e-03	1.25e-04	-5.75	0.0	-0.01	-0.87	8.37e-03	4.59e-04	-3.01e-04	0.20
		-1.60	-3.01e-04	-2.19e-06	0.0	48.0	-0.01	-6.63	8.37e-03	4.59e-04	3.60e-03	-1.60
46	310	-0.07	5.12e-03	1.81e-04	-10.51	0.0	-0.35	0.27	0.01	1.80e-03	-6.50e-04	-0.07
		-2.46	-6.50e-04	-3.34e-06	0.0	48.0	-0.35	-10.24	0.01	1.80e-03	5.12e-03	-2.46
47	9	-2.97	6.56e-03	2.33e-04	-10.01	0.0	1.03	-0.15	4.78e-03	5.79e-03	4.98e-03	-2.97
		-6.06	4.98e-03	-2.36e-06	0.0	60.0	1.03	-10.16	4.78e-03	5.79e-03	6.56e-03	-6.06
47	44	-3.51	0.01	3.37e-04	-20.41	0.0	0.09	2.86	-0.02	-0.01	0.01	-3.63
		-8.04	1.45e-03	-1.32e-05	0.0	60.0	0.09	-17.54	-0.02	-0.01	1.45e-03	-8.04
47	45	-1.07	7.32e-03	1.41e-04	-6.53	0.0	-0.05	0.01	-0.02	-0.01	7.32e-03	-1.07
		-3.02	-9.18e-04	-9.32e-06	0.0	60.0	-0.05	-6.52	-0.02	-0.01	-9.18e-04	-3.02
47	47	-2.41	9.82e-03	2.51e-04	-16.93	0.0	-0.24	3.02	-0.02	-0.01	9.82e-03	-2.57
		-5.84	-8.06e-04	-1.16e-05	0.0	60.0	-0.24	-13.91	-0.02	-0.01	-8.06e-04	-5.84
47	52	-4.67	0.01	3.76e-04	-24.86	0.0	0.49	4.49	-8.75e-03	4.09e-03	0.01	-4.91
		-9.67	4.54e-03	-6.45e-06	0.0	60.0	0.49	-20.37	-8.75e-03	4.09e-03	4.54e-03	-9.67
47	130	0.52	-0.05	2.55e-05	-13.13	0.0	-0.10	6.11	0.03	7.72e-03	-0.07	-0.17
		-0.82	-0.07	1.41e-04	0.0	60.0	-0.10	-7.02	0.03	7.72e-03	-0.05	-0.82
47	131	-4.75	0.08	3.73e-04	-13.13	0.0	0.64	-1.49	-0.04	-2.41e-03	0.08	-4.75
		-9.20	0.05	-1.48e-04	0.0	60.0	0.64	-14.62	-0.04	-2.41e-03	0.05	-9.20
47	137	-6.79	0.06	2.97e-04	-13.13	0.0	0.78	1.07	-0.07	3.42e-03	0.06	-6.81
		-10.30	0.02	-5.43e-05	0.0	60.0	0.78	-12.06	-0.07	3.42e-03	0.02	-10.30
47	142	0.94	-0.03	3.40e-05	-13.13	0.0	-0.24	5.96	0.05	-4.33e-04	-0.06	0.15
		-0.27	-0.06	4.12e-05	0.0	60.0	-0.24	-7.18	0.05	-4.33e-04	-0.03	-0.27
47	143	-5.07	0.07	3.64e-04	-13.13	0.0	0.79	-1.34	-0.05	5.75e-03	0.07	-5.07
		-9.75	0.04	-4.86e-05	0.0	60.0	0.79	-14.47	-0.05	5.75e-03	0.04	-9.75
47	144	2.40	-0.01	1.08e-04	-13.13	0.0	-0.15	3.21	0.06	-1.46e-03	-0.05	2.18
		0.11	-0.05	4.37e-05	0.0	60.0	-0.15	-9.92	0.06	-1.46e-03	-0.01	0.11
47	162	0.94	-0.05	-1.96e-05	-13.13	0.0	-0.15	6.60	0.04	8.36e-03	-0.08	0.14
		-0.26	-0.08	1.60e-04	0.0	60.0	-0.15	-6.54	0.04	8.36e-03	-0.05	-0.26
47	163	-5.06	0.09	3.95e-04	-13.13	0.0	0.69	-1.98	-0.04	-3.04e-03	0.09	-5.06
		-9.76	0.06	-1.67e-04	0.0	60.0	0.69	-15.11	-0.04	-3.04e-03	0.06	-9.76
47	169	-7.37	0.06	3.10e-04	-13.13	0.0	0.85	0.91	-0.07	3.49e-03	0.06	-7.38
		-11.00	0.02	-6.13e-05	0.0	60.0	0.85	-12.23	-0.07	3.49e-03	0.02	-11.00
47	174	1.41	-0.04	-1.60e-05	-13.13	0.0	-0.31	6.42	0.05	-7.88e-04	-0.07	0.51
		0.35	-0.07	4.72e-05	0.0	60.0	-0.31	-6.71	0.05	-7.88e-04	-0.04	0.35
47	175	-5.42	0.08	3.85e-04	-13.13	0.0	0.85	-1.80	-0.06	6.11e-03	0.08	-5.42
		-10.38	0.04	-5.46e-05	0.0	60.0	0.85	-14.94	-0.06	6.11e-03	0.04	-10.38
47	176	3.02	-0.02	9.63e-05	-13.13	0.0	-0.21	3.34	0.07	-1.94e-03	-0.06	2.78
		0.79	-0.06	5.00e-05	0.0	60.0	-0.21	-9.80	0.07	-1.94e-03	-0.02	0.79
47	194	1.09	-0.05	-2.05e-05	-13.13	0.0	-0.16	6.65	0.04	8.33e-03	-0.08	0.27
		-0.08	-0.08	1.65e-04	0.0	60.0	-0.16	-6.48	0.04	8.33e-03	-0.05	-0.08
47	195	-5.19	0.09	3.96e-04	-13.13	0.0	0.71	-2.03	-0.04	-3.01e-03	0.09	-5.19
		-9.94	0.06	-1.72e-04	0.0	60.0	0.71	-15.17	-0.04	-3.01e-03	0.06	-9.94

47	201	-7.49	0.06	3.13e-04	-13.13	0.0	0.86	0.83	-0.08	3.25e-03	0.06	-7.49
		-11.16	0.02	-6.53e-05	0.0	60.0	0.86	-12.30	-0.08	3.25e-03	0.02	-11.16
47	206	1.56	-0.04	-1.67e-05	-13.13	0.0	-0.32	6.44	0.06	-4.95e-04	-0.07	0.64
		0.50	-0.07	4.93e-05	0.0	60.0	-0.32	-6.69	0.06	-4.95e-04	-0.04	0.50
47	207	-5.56	0.08	3.87e-04	-13.13	0.0	0.86	-1.82	-0.06	5.81e-03	0.08	-5.56
		-10.53	0.04	-5.67e-05	0.0	60.0	0.86	-14.95	-0.06	5.81e-03	0.04	-10.53
47	208	3.13	-0.02	9.36e-05	-13.13	0.0	-0.23	3.41	0.07	-1.62e-03	-0.06	2.88
		0.93	-0.06	5.20e-05	0.0	60.0	-0.23	-9.73	0.07	-1.62e-03	-0.02	0.93
47	226	1.88	-0.07	-4.32e-05	-13.13	0.0	-0.25	7.48	0.05	9.47e-03	-0.09	0.86
		0.86	-0.09	1.99e-04	0.0	60.0	-0.25	-5.66	0.05	9.47e-03	-0.07	0.94
47	227	-5.78	0.10	4.33e-04	-13.13	0.0	0.80	-2.86	-0.05	-4.15e-03	0.10	-5.78
		-10.96	0.07	-2.06e-04	0.0	60.0	0.80	-15.99	-0.05	-4.15e-03	0.07	-10.96
47	233	-8.44	0.08	3.34e-04	-13.13	0.0	0.97	0.53	-0.09	3.32e-03	0.08	-8.44
		-12.34	0.02	-7.85e-05	0.0	60.0	0.97	-12.60	-0.09	3.32e-03	0.02	-12.34
47	238	2.40	-0.04	-3.55e-05	-13.13	0.0	-0.43	7.17	0.07	-9.93e-04	-0.08	1.26
		1.26	-0.08	5.97e-05	0.0	60.0	-0.43	-5.96	0.07	-9.93e-04	-0.04	1.56
47	239	-6.18	0.09	4.20e-04	-13.13	0.0	0.97	-2.55	-0.07	6.31e-03	0.09	-6.18
		-11.58	0.05	-6.71e-05	0.0	60.0	0.97	-15.68	-0.07	6.31e-03	0.05	-11.58
47	240	4.15	-0.02	7.34e-05	-13.13	0.0	-0.32	3.64	0.08	-2.29e-03	-0.07	3.87
		2.06	-0.07	6.29e-05	0.0	60.0	-0.32	-9.49	0.08	-2.29e-03	-0.02	2.06
47	245	-2.10	4.58e-03	1.67e-04	-7.19	0.0	0.73	-0.10	3.04e-03	3.94e-03	3.63e-03	-2.10
		-4.32	3.63e-03	-1.80e-06	0.0	60.0	0.73	-7.30	3.04e-03	3.94e-03	4.58e-03	-4.32
47	261	-1.33	6.21e-03	1.46e-04	-7.19	0.0	0.10	0.29	-0.01	-9.01e-03	6.21e-03	-1.33
		-3.32	2.42e-04	-7.10e-06	0.0	60.0	0.10	-6.90	-0.01	-9.01e-03	2.42e-04	-3.32
47	263	-2.23	7.88e-03	2.19e-04	-14.12	0.0	-0.03	2.30	-0.02	-7.39e-03	7.88e-03	-2.33
		-5.19	3.16e-04	-8.64e-06	0.0	60.0	-0.03	-11.83	-0.02	-7.39e-03	3.16e-04	-5.19
47	264	-2.47	8.34e-03	2.36e-04	-14.12	0.0	0.11	1.90	-0.01	-7.60e-03	8.34e-03	-2.55
		-5.64	1.17e-03	-9.06e-06	0.0	60.0	0.11	-12.22	-0.01	-7.60e-03	1.17e-03	-5.64
47	268	-3.24	7.42e-03	2.62e-04	-17.09	0.0	0.37	2.99	-5.98e-03	2.81e-03	7.42e-03	-3.40
		-6.73	3.23e-03	-4.53e-06	0.0	60.0	0.37	-14.10	-5.98e-03	2.81e-03	3.23e-03	-6.73
47	298	-2.46	5.17e-03	2.10e-04	-14.12	0.0	0.26	2.60	-3.79e-03	2.89e-03	5.17e-03	-2.60
		-5.28	2.34e-03	-3.92e-06	0.0	60.0	0.26	-11.53	-3.79e-03	2.89e-03	2.34e-03	-5.28
47	299	-1.68	3.69e-03	1.43e-04	-7.19	0.0	0.43	0.43	-1.36e-03	1.19e-03	3.69e-03	-1.68
		-3.58	2.61e-03	-2.55e-06	0.0	60.0	0.43	-6.76	-1.36e-03	1.19e-03	2.61e-03	-3.58
47	304	-1.53	4.05e-03	1.38e-04	-7.19	0.0	0.32	0.53	-3.87e-03	-7.82e-04	4.05e-03	-1.55
		-3.39	1.86e-03	-3.32e-06	0.0	60.0	0.32	-6.66	-3.87e-03	-7.82e-04	1.86e-03	-3.39
47	305	-2.29	5.48e-03	2.01e-04	-13.13	0.0	0.22	2.25	-5.74e-03	6.02e-04	5.48e-03	-2.40
		-4.99	1.92e-03	-4.64e-06	0.0	60.0	0.22	-10.88	-5.74e-03	6.02e-04	1.92e-03	-4.99
47	309	-1.59	3.51e-03	1.36e-04	-7.19	0.0	0.38	0.59	-1.61e-03	1.28e-03	3.51e-03	-1.60
		-3.40	2.26e-03	-2.38e-06	0.0	60.0	0.38	-6.60	-1.61e-03	1.28e-03	2.26e-03	-3.40
47	310	-2.34	4.94e-03	1.99e-04	-13.13	0.0	0.27	2.31	-3.48e-03	2.66e-03	4.94e-03	-2.46
		-5.01	2.33e-03	-3.70e-06	0.0	60.0	0.27	-10.82	-3.48e-03	2.66e-03	2.33e-03	-5.01
48	4	-7.06	9.25e-03	1.21e-04	-19.47	0.0	-1.00	13.84	0.02	6.81e-03	9.18e-05	-9.37
		-9.37	9.18e-05	-4.04e-06	0.0	47.0	-1.00	-5.63	0.02	6.81e-03	9.25e-03	-7.44
48	19	-2.50	3.82e-03	3.82e-05	-5.12	0.0	-0.02	3.89	0.02	0.01	-2.08e-03	-3.19
		-3.19	-2.08e-03	1.01e-06	0.0	47.0	-0.02	-1.23	0.02	0.01	3.82e-03	-2.56
48	20	-3.06	4.35e-03	4.59e-05	-5.12	0.0	-6.93e-03	4.17	0.02	0.01	-1.55e-03	-3.86
		-3.86	-1.55e-03	0.0	0.0	47.0	-6.93e-03	-0.95	0.02	0.01	4.35e-03	-3.10
48	27	-6.43	7.09e-03	1.22e-04	-19.47	0.0	-1.41	13.44	2.38e-03	-0.02	4.19e-03	-8.61
		-8.61	4.19e-03	-8.58e-06	0.0	47.0	-1.41	-6.04	2.38e-03	-0.02	7.09e-03	-6.87
48	52	-7.33	9.09e-03	1.26e-04	-19.47	0.0	-1.12	13.85	0.02	-7.49e-04	1.70e-03	-9.64
		-9.64	1.70e-03	-5.10e-06	0.0	47.0	-1.12	-5.62	0.02	-7.49e-04	9.09e-03	-7.71
48	93	-2.23	2.60e-03	4.18e-05	-5.12	0.0	-0.25	3.77	4.36e-03	-4.62e-04	4.38e-04	-2.88
		-2.88	4.38e-04	-2.24e-06	0.0	47.0	-0.25	-1.35	4.36e-03	-4.62e-04	2.60e-03	-2.31
48	117	-6.25	2.89e-03	1.57e-05	-10.29	0.0	0.56	8.71	0.02	5.48e-03	-7.25e-03	-7.64
		-7.64	-7.25e-03	-2.99e-05	0.0	47.0	0.56	-1.57	0.02	5.48e-03	2.89e-03	-6.39
48	120	-1.31	8.62e-03	1.19e-04	-10.29	0.0	-1.71	5.83	-5.11e-03	-6.40e-03	8.62e-03	-2.35
		-2.35	6.48e-03	2.39e-05	0.0	47.0	-1.71	-4.46	-5.11e-03	-6.40e-03	6.48e-03	-1.60
48	130	0.13	-0.01	3.09e-05	-10.29	0.0	-0.51	6.55	0.06	0.02	-0.04	-0.80
		-0.80	-0.04	1.05e-04	0.0	47.0	-0.51	-3.74	0.06	0.02	-0.01	-0.23
48	131	-7.66	0.04	1.04e-04	-10.29	0.0	-0.64	7.99	-0.04	-0.02	0.04	-9.19
		-9.19	0.02	-1.11e-04	0.0	47.0	-0.64	-2.30	-0.04	-0.02	0.02	-7.76
48	137	-8.55	0.03	6.97e-05	-10.29	0.0	0.07	8.94	-0.02	-7.27e-03	0.03	-10.26
		-10.26	0.02	-4.16e-05	0.0	47.0	0.07	-1.35	-0.02	-7.27e-03	0.02	-8.61
48	140	1.06	-8.95e-03	6.54e-05	-10.29	0.0	-1.22	5.60	0.03	6.35e-03	-0.02	0.27
		0.27	-0.02	3.56e-05	0.0	47.0	-1.22	-4.69	0.03	6.35e-03	-8.95e-03	0.62
48	149	-6.57	2.71e-03	9.47e-06	-10.29	0.0	0.70	8.90	0.02	6.18e-03	-8.13e-03	-7.99
		-7.99	-8.13e-03	-3.41e-05	0.0	47.0	0.70	-1.39	0.02	6.18e-03	2.71e-03	-6.70
48	152	-0.99	9.50e-03	1.26e-04	-10.29	0.0	-1.85	5.64	-6.63e-03	-7.10e-03	9.50e-03	-2.00
		-2.00	6.66e-03	2.82e-05	0.0	47.0	-1.85	-4.65	-6.63e-03	-7.10e-03	6.66e-03	-1.29
48	162	0.65	-0.02	2.61e-05	-10.29	0.0	-0.51	6.45	0.06	0.03	-0.05	-0.24
		-0.24	-0.05	1.20e-04	0.0	47.0	-0.51	-3.83	0.06	0.03	-0.02	0.28
48	163	-8.18	0.05	1.09e-04	-10.29	0.0	-0.65	8.09	-0.05	-0.03	0.05	-9.75
		-9.75	0.03	-1.25e-04	0.0	47.0	-0.65	-2.20	-0.05	-0.03	0.03	-8.27
48	169	-9.17	0.03	7.02e-05	-10.29	0.0	0.15	9.16	-0.02	-8.17e-03	0.03	-10.95

		-10.95	0.02	-4.69e-05	0.0	47.0	0.15	-1.13	-0.02	-8.17e-03	0.02	-9.22
48	172	1.71	-0.01	6.50e-05	-10.29	0.0	-1.30	5.38	0.04	7.25e-03	-0.03	0.96
		0.96	-0.03	4.10e-05	0.0	47.0	-1.30	-4.90	0.04	7.25e-03	-0.01	1.23
48	181	-6.64	2.97e-03	1.13e-05	-10.29	0.0	0.68	8.90	0.02	5.87e-03	-7.39e-03	-8.08
		-8.08	-7.39e-03	-3.92e-05	0.0	47.0	0.68	-1.39	0.02	5.87e-03	2.97e-03	-6.76
48	184	-0.92	8.76e-03	1.24e-04	-10.29	0.0	-1.84	5.64	-5.62e-03	-6.79e-03	8.76e-03	-1.90
		-1.90	6.40e-03	3.33e-05	0.0	47.0	-1.84	-4.65	-5.62e-03	-6.79e-03	6.40e-03	-1.23
48	194	0.82	-0.02	2.46e-05	-10.29	0.0	-0.52	6.42	0.07	0.03	-0.05	-0.06
		-0.06	-0.05	1.23e-04	0.0	47.0	-0.52	-3.87	0.07	0.03	-0.02	0.45
48	195	-8.35	0.05	1.10e-04	-10.29	0.0	-0.64	8.12	-0.05	-0.03	0.05	-9.93
		-9.93	0.03	-1.29e-04	0.0	47.0	-0.64	-2.17	-0.05	-0.03	0.03	-8.44
48	201	-9.31	0.03	7.14e-05	-10.29	0.0	0.16	9.19	-0.02	-8.38e-03	0.03	-11.11
		-11.11	0.02	-4.98e-05	0.0	47.0	0.16	-1.10	-0.02	-8.38e-03	0.02	-9.35
48	204	1.85	-0.01	6.37e-05	-10.29	0.0	-1.31	5.35	0.04	7.45e-03	-0.03	1.12
		1.12	-0.03	4.39e-05	0.0	47.0	-1.31	-4.94	0.04	7.45e-03	-0.01	1.36
48	213	-7.17	2.79e-03	-5.05e-06	-10.29	0.0	0.90	9.19	0.02	6.93e-03	-8.44e-03	-8.68
		-8.68	-8.44e-03	-4.89e-05	0.0	47.0	0.90	-1.10	0.02	6.93e-03	2.79e-03	-7.28
48	216	-0.37	9.81e-03	1.33e-04	-10.29	0.0	-2.05	5.35	-7.58e-03	-7.85e-03	9.81e-03	-1.31
		-1.31	6.58e-03	4.30e-05	0.0	47.0	-2.05	-4.94	-7.58e-03	-7.85e-03	6.58e-03	-0.71
48	226	1.78	-0.02	1.61e-05	-10.29	0.0	-0.51	6.24	0.08	0.03	-0.06	0.96
		0.96	-0.06	1.49e-04	0.0	47.0	-0.51	-4.05	0.08	0.03	-0.02	1.36
48	227	-9.29	0.06	1.19e-04	-10.29	0.0	-0.64	8.30	-0.06	-0.03	0.06	-10.95
		-10.95	0.03	-1.55e-04	0.0	47.0	-0.64	-1.99	-0.06	-0.03	0.03	-9.36
48	233	-10.34	0.04	7.28e-05	-10.29	0.0	0.29	9.55	-0.03	-9.88e-03	0.04	-12.28
		-12.28	0.02	-5.98e-05	0.0	47.0	0.29	-0.74	-0.03	-9.88e-03	0.02	-10.37
48	236	2.94	-0.01	6.24e-05	-10.29	0.0	-1.44	4.99	0.04	8.95e-03	-0.03	2.29
		2.29	-0.03	5.38e-05	0.0	47.0	-1.44	-5.30	0.04	8.95e-03	-0.01	2.38
48	244	-4.94	6.43e-03	8.50e-05	-13.39	0.0	-0.68	9.54	0.01	4.49e-03	8.77e-05	-6.53
		-6.53	8.77e-05	-2.87e-06	0.0	47.0	-0.68	-3.85	0.01	4.49e-03	6.43e-03	-5.20
48	248	-2.67	3.75e-03	4.30e-05	-5.63	0.0	-0.13	4.24	0.01	8.09e-03	-1.15e-03	-3.42
		-3.42	-1.15e-03	0.0	0.0	47.0	-0.13	-1.40	0.01	8.09e-03	3.75e-03	-2.76
48	249	-3.05	4.10e-03	4.82e-05	-5.63	0.0	-0.12	4.42	0.01	7.98e-03	-7.96e-04	-3.87
		-3.87	-7.96e-04	0.0	0.0	47.0	-0.12	-1.21	0.01	7.98e-03	4.10e-03	-3.11
48	255	-4.52	4.99e-03	8.57e-05	-13.39	0.0	-0.95	9.27	2.08e-03	-0.01	2.82e-03	-6.02
		-6.02	2.82e-03	-5.90e-06	0.0	47.0	-0.95	-4.12	2.08e-03	-0.01	4.99e-03	-4.81
48	268	-5.11	6.32e-03	8.79e-05	-13.39	0.0	-0.76	9.55	0.01	-5.47e-04	1.16e-03	-6.71
		-6.71	1.16e-03	-3.58e-06	0.0	47.0	-0.76	-3.84	0.01	-5.47e-04	6.32e-03	-5.37
48	285	-2.50	2.93e-03	4.55e-05	-5.63	0.0	-0.28	4.16	4.89e-03	-4.47e-04	5.30e-04	-3.22
		-3.22	5.30e-04	-2.18e-06	0.0	47.0	-0.28	-1.47	4.89e-03	-4.47e-04	2.93e-03	-2.59
48	298	-3.98	4.94e-03	7.11e-05	-11.06	0.0	-0.63	7.78	8.78e-03	-4.72e-04	7.05e-04	-5.26
		-5.26	7.05e-04	-3.14e-06	0.0	47.0	-0.63	-3.28	8.78e-03	-4.72e-04	4.94e-03	-4.20
48	302	-2.66	3.26e-03	4.56e-05	-5.63	0.0	-0.25	4.20	6.67e-03	1.30e-03	2.24e-04	-3.39
		-3.39	2.24e-04	-1.48e-06	0.0	47.0	-0.25	-1.44	6.67e-03	1.30e-03	3.26e-03	-2.75
48	305	-3.78	4.44e-03	6.89e-05	-10.29	0.0	-0.63	7.25	5.55e-03	-3.86e-03	1.37e-03	-4.98
		-4.98	1.37e-03	-3.69e-06	0.0	47.0	-0.63	-3.04	5.55e-03	-3.86e-03	4.44e-03	-3.99
48	308	-2.62	3.10e-03	4.61e-05	-5.63	0.0	-0.28	4.18	5.22e-03	-4.10e-04	5.59e-04	-3.35
		-3.35	5.59e-04	-1.92e-06	0.0	47.0	-0.28	-1.45	5.22e-03	-4.10e-04	3.10e-03	-2.71
48	309	-2.66	3.14e-03	4.63e-05	-5.63	0.0	-0.27	4.19	5.31e-03	-4.01e-04	5.66e-04	-3.39
		-3.39	5.66e-04	-1.85e-06	0.0	47.0	-0.27	-1.44	5.31e-03	-4.01e-04	3.14e-03	-2.74
48	310	-3.79	4.69e-03	6.76e-05	-10.29	0.0	-0.58	7.27	8.28e-03	-4.62e-04	6.85e-04	-4.99
		-4.99	6.85e-04	-2.96e-06	0.0	47.0	-0.58	-3.02	8.28e-03	-4.62e-04	4.69e-03	-4.00
49	9	-31.04	0.09	2.84e-04	-10.51	0.0	1.48	42.63	-0.21	0.0	0.09	-50.89
		-50.89	-0.02	0.0	0.0	52.0	1.48	32.12	-0.21	0.0	-0.02	-31.04
49	31	-10.06	0.09	1.47e-04	-3.80	0.0	0.25	17.59	-0.18	0.0	0.09	-18.37
		-18.37	-7.09e-03	-1.29e-05	0.0	52.0	0.25	13.80	-0.18	0.0	-7.09e-03	-10.06
49	33	-31.17	0.09	2.91e-04	-10.51	0.0	1.42	42.38	-0.21	0.0	0.09	-50.89
		-50.89	-0.02	-6.44e-06	0.0	52.0	1.42	31.87	-0.21	0.0	-0.02	-31.17
49	55	-9.89	0.09	1.48e-04	-3.80	0.0	0.29	17.92	-0.18	0.0	0.09	-18.37
		-18.37	-6.89e-03	-9.21e-06	0.0	52.0	0.29	14.12	-0.18	0.0	-6.89e-03	-9.89
49	83	-30.44	0.12	3.08e-04	-10.51	0.0	1.33	43.80	-0.27	0.0	0.12	-50.89
		-50.89	-0.02	-6.97e-06	0.0	52.0	1.33	33.29	-0.27	0.0	-0.02	-30.44
49	114	-10.07	0.14	4.14e-05	-4.07	0.0	0.75	18.99	-0.18	0.0	0.14	-22.30
		-22.30	0.04	7.28e-05	0.0	52.0	0.75	14.92	-0.18	0.0	0.04	-10.07
49	115	-12.65	-0.01	2.20e-04	-4.07	0.0	0.11	16.55	-0.09	0.0	-0.01	-17.09
		-17.09	-0.06	-8.27e-05	0.0	52.0	0.11	12.48	-0.09	0.0	-0.06	-12.65
49	125	-8.32	0.07	9.06e-05	-4.07	0.0	0.57	22.26	-0.12	0.0	0.07	-16.39
		-16.39	0.01	-2.26e-05	0.0	52.0	0.57	18.19	-0.12	0.0	0.01	-8.32
49	130	-12.63	0.14	2.54e-05	-4.07	0.0	0.68	14.91	-0.20	0.0	0.14	-23.19
		-23.19	0.04	1.69e-04	0.0	52.0	0.68	10.84	-0.20	0.0	0.04	-12.63
49	144	-14.26	0.10	6.19e-05	-4.07	0.0	0.24	12.45	-0.17	0.0	0.10	-23.92
		-23.92	0.01	5.81e-05	0.0	52.0	0.24	8.38	-0.17	0.0	0.01	-14.26
49	146	-9.91	0.15	3.03e-05	-4.07	0.0	0.79	19.13	-0.19	0.0	0.15	-22.59
		-22.59	0.05	8.13e-05	0.0	52.0	0.79	15.06	-0.19	0.0	0.05	-9.91
49	147	-12.81	-0.02	2.31e-04	-4.07	0.0	0.07	16.41	-0.08	0.0	-0.02	-16.80
		-16.80	-0.06	-9.13e-05	0.0	52.0	0.07	12.34	-0.08	0.0	-0.06	-12.81

49	157	-7.96	0.08	8.58e-05	-4.07	0.0	0.59	22.81	-0.11	0.0	0.08	-16.01
		-16.01	0.02	-2.50e-05	0.0	52.0	0.59	18.74	-0.11	0.0	0.02	-7.96
49	162	-12.77	0.15	1.70e-05	-4.07	0.0	0.71	14.55	-0.21	0.0	0.15	-23.59
		-23.59	0.05	1.92e-04	0.0	52.0	0.71	10.48	-0.21	0.0	0.05	-12.77
49	176	-14.60	0.11	5.28e-05	-4.07	0.0	0.22	11.79	-0.18	0.0	0.11	-24.39
		-24.39	0.02	6.66e-05	0.0	52.0	0.22	7.72	-0.18	0.0	0.02	-14.60
49	178	-9.95	0.15	3.12e-05	-4.07	0.0	0.78	19.08	-0.19	0.0	0.15	-22.26
		-22.26	0.05	7.40e-05	0.0	52.0	0.78	15.01	-0.19	0.0	0.05	-9.95
49	179	-12.77	-0.02	2.31e-04	-4.07	0.0	0.08	16.46	-0.08	0.0	-0.02	-17.13
		-17.13	-0.06	-8.40e-05	0.0	52.0	0.08	12.39	-0.08	0.0	-0.06	-12.77
49	189	-8.19	0.08	8.79e-05	-4.07	0.0	0.57	22.60	-0.11	0.0	0.08	-16.50
		-16.50	0.02	-2.64e-05	0.0	52.0	0.57	18.53	-0.11	0.0	0.02	-8.19
49	194	-12.59	0.15	1.53e-05	-4.07	0.0	0.70	14.59	-0.21	0.0	0.15	-23.17
		-23.17	0.05	1.97e-04	0.0	52.0	0.70	10.52	-0.21	0.0	0.05	-12.59
49	208	-14.29	0.11	5.01e-05	-4.07	0.0	0.23	11.94	-0.18	0.0	0.11	-23.85
		-23.85	0.02	6.95e-05	0.0	52.0	0.23	7.87	-0.18	0.0	0.02	-14.29
49	210	-9.71	0.16	1.81e-05	-4.07	0.0	0.84	19.29	-0.20	0.0	0.16	-22.66
		-22.66	0.06	8.35e-05	0.0	52.0	0.84	15.22	-0.20	0.0	0.06	-9.71
49	211	-13.01	-0.03	2.48e-04	-4.07	0.0	0.02	16.25	-0.07	0.0	-0.03	-16.73
		-16.73	-0.07	-9.35e-05	0.0	52.0	0.02	12.18	-0.07	0.0	-0.07	-13.01
49	221	-7.69	0.08	8.18e-05	-4.07	0.0	0.59	23.39	-0.11	0.0	0.08	-16.04
		-16.04	0.02	-3.10e-05	0.0	52.0	0.59	19.32	-0.11	0.0	0.02	-7.69
49	226	-12.78	0.17	-1.89e-05	-4.07	0.0	0.74	13.97	-0.22	0.0	0.17	-23.72
		-23.72	0.06	2.37e-04	0.0	52.0	0.74	9.90	-0.22	0.0	0.06	-12.78
49	227	-9.94	-0.05	2.81e-04	-4.07	0.0	0.12	21.57	-0.05	0.0	-0.05	-15.67
		-15.67	-0.07	-2.47e-04	0.0	52.0	0.12	17.50	-0.05	0.0	-0.07	-9.94
49	240	-14.75	0.12	3.57e-05	-4.07	0.0	0.20	10.91	-0.19	0.0	0.12	-24.49
		-24.49	0.02	8.43e-05	0.0	52.0	0.20	6.84	-0.19	0.0	0.02	-14.75
49	245	-21.74	0.06	1.99e-04	-7.36	0.0	1.03	29.92	-0.15	0.0	0.06	-35.67
		-35.67	-0.01	0.0	0.0	52.0	1.03	22.55	-0.15	0.0	-0.01	-21.74
49	255	-11.15	0.08	1.43e-04	-4.07	0.0	0.36	18.17	-0.16	0.0	0.08	-19.70
		-19.70	-7.72e-03	-9.43e-06	0.0	52.0	0.36	14.10	-0.16	0.0	-7.72e-03	-11.15
49	257	-21.82	0.06	2.04e-04	-7.36	0.0	0.99	29.75	-0.15	0.0	0.06	-35.67
		-35.67	-0.02	-4.53e-06	0.0	52.0	0.99	22.39	-0.15	0.0	-0.02	-21.82
49	267	-11.04	0.07	1.43e-04	-4.07	0.0	0.39	18.39	-0.16	0.0	0.07	-19.70
		-19.70	-7.59e-03	-6.99e-06	0.0	52.0	0.39	14.31	-0.16	0.0	-7.59e-03	-11.04
49	283	-21.33	0.08	2.15e-04	-7.36	0.0	0.93	30.70	-0.19	0.0	0.08	-35.67
		-35.67	-0.01	-4.88e-06	0.0	52.0	0.93	23.33	-0.19	0.0	-0.01	-21.33
49	298	-11.29	0.07	1.33e-04	-4.07	0.0	0.42	17.90	-0.14	0.0	0.07	-19.70
		-19.70	-7.33e-03	-5.44e-06	0.0	52.0	0.42	13.83	-0.14	0.0	-7.33e-03	-11.29
49	299	-13.76	0.05	1.34e-04	-4.73	0.0	0.61	19.58	-0.11	0.0	0.05	-22.89
		-22.89	-9.30e-03	-2.23e-06	0.0	52.0	0.61	14.85	-0.11	0.0	-9.30e-03	-13.76
49	301	-13.36	0.07	1.48e-04	-4.73	0.0	0.53	20.34	-0.15	0.0	0.07	-22.89
		-22.89	-8.75e-03	-4.90e-06	0.0	52.0	0.53	15.61	-0.15	0.0	-8.75e-03	-13.36
49	309	-11.75	0.05	1.17e-04	-4.07	0.0	0.50	17.01	-0.10	0.0	0.05	-19.70
		-19.70	-7.97e-03	-2.32e-06	0.0	52.0	0.50	12.94	-0.10	0.0	-7.97e-03	-11.75
49	310	-11.36	0.06	1.31e-04	-4.07	0.0	0.43	17.77	-0.14	0.0	0.06	-19.70
		-19.70	-7.42e-03	-4.99e-06	0.0	52.0	0.43	13.70	-0.14	0.0	-7.42e-03	-11.36
50	7	-4.83	-5.58e-03	1.11e-04	-3.79	0.0	-0.49	12.59	-0.01	0.0	-5.58e-03	-9.93
		-9.93	-0.01	-7.16e-06	0.0	48.0	-0.49	8.80	-0.01	0.0	-0.01	-4.83
50	12	-15.33	-0.01	1.16e-04	-8.75	0.0	0.25	26.62	9.68e-03	0.0	-0.02	-25.94
		-25.94	-0.02	-1.43e-06	0.0	48.0	0.25	17.87	9.68e-03	0.0	-0.01	-15.33
50	27	-7.77	-0.01	1.43e-04	-5.56	0.0	-0.67	18.30	-0.01	0.0	-0.01	-15.17
		-15.17	-0.02	-1.41e-05	0.0	48.0	-0.67	12.73	-0.01	0.0	-0.02	-7.77
50	33	-18.27	-0.02	1.48e-04	-10.52	0.0	0.07	32.33	0.01	0.0	-0.02	-31.17
		-31.17	-0.02	-8.33e-06	0.0	48.0	0.07	21.81	0.01	0.0	-0.02	-18.27
50	55	-4.80	-6.89e-03	1.19e-04	-3.79	0.0	-0.51	12.56	-0.01	0.0	-6.89e-03	-9.89
		-9.89	-0.01	-9.42e-06	0.0	48.0	-0.51	8.77	-0.01	0.0	-0.01	-4.80
50	114	-5.46	0.04	2.65e-05	-4.07	0.0	-0.03	11.68	-0.05	0.0	0.04	-10.07
		-10.07	0.02	5.76e-05	0.0	48.0	-0.03	7.61	-0.05	0.0	0.02	-5.46
50	115	-6.71	-0.04	1.46e-04	-4.07	0.0	-0.52	14.49	0.04	0.0	-0.06	-12.65
		-12.65	-0.06	-6.86e-05	0.0	48.0	-0.52	10.43	0.04	0.0	-0.04	-6.71
50	128	-7.71	-0.02	5.00e-05	-4.07	0.0	-0.80	16.11	0.01	0.0	-0.03	-14.39
		-14.39	-0.03	1.33e-05	0.0	48.0	-0.80	12.04	0.01	0.0	-0.02	-7.71
50	141	-4.42	-0.02	2.13e-04	-4.07	0.0	0.30	10.42	0.02	0.0	-0.03	-8.45
		-8.45	-0.03	-6.69e-05	0.0	48.0	0.30	6.35	0.02	0.0	-0.02	-4.42
50	144	-7.75	0.01	-4.07e-05	-4.07	0.0	-0.85	15.75	-0.02	0.0	0.01	-14.26
		-14.26	1.49e-03	5.59e-05	0.0	48.0	-0.85	11.69	-0.02	0.0	1.49e-03	-7.75
50	146	-5.39	0.05	1.87e-05	-4.07	0.0	4.66e-03	11.51	-0.06	0.0	0.05	-9.91
		-9.91	0.02	6.44e-05	0.0	48.0	4.66e-03	7.44	-0.06	0.0	0.02	-5.39
50	147	-6.79	-0.04	1.54e-04	-4.07	0.0	-0.55	14.67	0.05	0.0	-0.06	-12.81
		-12.81	-0.06	-7.54e-05	0.0	48.0	-0.55	10.60	0.05	0.0	-0.04	-6.79
50	160	-7.90	-0.02	4.52e-05	-4.07	0.0	-0.86	16.47	0.02	0.0	-0.03	-14.75
		-14.75	-0.03	1.58e-05	0.0	48.0	-0.86	12.40	0.02	0.0	-0.02	-7.90
50	173	-4.24	-0.02	2.30e-04	-4.07	0.0	0.38	10.10	0.02	0.0	-0.03	-8.12

		-8.12	-0.03	-7.51e-05	0.0	48.0	0.38	6.04	0.02	0.0	-0.02	-4.24
50	176	-7.94	0.02	-5.74e-05	-4.07	0.0	-0.92	16.07	-0.03	0.0	0.02	-14.60
		-14.60	2.92e-03	6.41e-05	0.0	48.0	-0.92	12.00	-0.03	0.0	2.92e-03	-7.94
50	178	-5.41	0.05	1.71e-05	-4.07	0.0	-1.54e-03	11.54	-0.06	0.0	0.05	-9.95
		-9.95	0.02	5.82e-05	0.0	48.0	-1.54e-03	7.47	-0.06	0.0	0.02	-5.41
50	179	-6.76	-0.04	1.56e-04	-4.07	0.0	-0.54	14.64	0.05	0.0	-0.06	-12.77
		-12.77	-0.06	-6.92e-05	0.0	48.0	-0.54	10.57	0.05	0.0	-0.04	-6.76
50	189	-4.43	0.02	1.29e-04	-4.07	0.0	0.31	9.87	-0.02	0.0	0.02	-8.19
		-8.19	3.84e-03	-2.80e-05	0.0	48.0	0.31	5.80	-0.02	0.0	3.84e-03	-4.43
50	192	-7.75	-0.02	4.40e-05	-4.07	0.0	-0.85	16.31	0.02	0.0	-0.03	-14.53
		-14.53	-0.03	1.70e-05	0.0	48.0	-0.85	12.24	0.02	0.0	-0.02	-7.75
50	205	-4.44	-0.02	2.34e-04	-4.07	0.0	0.38	10.33	0.02	0.0	-0.03	-8.42
		-8.42	-0.03	-7.79e-05	0.0	48.0	0.38	6.26	0.02	0.0	-0.02	-4.44
50	208	-7.74	0.02	-6.12e-05	-4.07	0.0	-0.92	15.85	-0.03	0.0	0.02	-14.29
		-14.29	3.41e-03	6.69e-05	0.0	48.0	-0.92	11.78	-0.03	0.0	3.41e-03	-7.74
50	221	-4.17	0.02	1.37e-04	-4.07	0.0	0.41	9.35	-0.03	0.0	0.02	-7.69
		-7.69	5.81e-03	-3.26e-05	0.0	48.0	0.41	5.28	-0.03	0.0	5.81e-03	-4.17
50	224	-8.00	-0.02	3.58e-05	-4.07	0.0	-0.95	16.82	0.02	0.0	-0.03	-15.02
		-15.02	-0.03	2.16e-05	0.0	48.0	-0.95	12.75	0.02	0.0	-0.02	-8.00
50	226	-6.98	0.06	-8.89e-05	-4.07	0.0	-0.62	14.27	-0.07	0.0	0.06	-12.78
		-12.78	0.03	2.19e-04	0.0	48.0	-0.62	10.20	-0.07	0.0	0.03	-6.98
50	227	-5.20	-0.04	2.62e-04	-4.07	0.0	0.08	11.90	0.06	0.0	-0.07	-9.94
		-9.94	-0.07	-2.30e-04	0.0	48.0	0.08	7.83	0.06	0.0	-0.04	-5.20
50	237	-4.18	-0.02	2.62e-04	-4.07	0.0	0.49	9.88	0.02	0.0	-0.04	-7.96
		-7.96	-0.04	-9.21e-05	0.0	48.0	0.49	5.81	0.02	0.0	-0.02	-4.18
50	240	-7.99	0.02	-8.93e-05	-4.07	0.0	-1.04	16.30	-0.03	0.0	0.02	-14.75
		-14.75	5.91e-03	8.11e-05	0.0	48.0	-1.04	12.23	-0.03	0.0	5.91e-03	-7.99
50	243	-5.73	-6.71e-03	9.96e-05	-4.07	0.0	-0.36	13.23	-7.10e-03	0.0	-6.71e-03	-11.07
		-11.07	-0.01	-5.90e-06	0.0	48.0	-0.36	9.16	-7.10e-03	0.0	-0.01	-5.73
50	245	-12.73	-0.01	1.03e-04	-7.38	0.0	0.14	22.59	6.84e-03	0.0	-0.01	-21.74
		-21.74	-0.01	-2.08e-06	0.0	48.0	0.14	15.21	6.84e-03	0.0	-0.01	-12.73
50	255	-5.76	-7.72e-03	1.00e-04	-4.07	0.0	-0.46	13.34	-6.59e-03	0.0	-7.72e-03	-11.15
		-11.15	-0.01	-9.67e-06	0.0	48.0	-0.46	9.27	-6.59e-03	0.0	-0.01	-5.76
50	257	-12.76	-0.01	1.04e-04	-7.38	0.0	0.04	22.70	7.34e-03	0.0	-0.02	-21.82
		-21.82	-0.02	-5.85e-06	0.0	48.0	0.04	15.32	7.34e-03	0.0	-0.01	-12.76
50	267	-5.71	-7.59e-03	1.05e-04	-4.07	0.0	-0.37	13.21	-6.49e-03	0.0	-7.59e-03	-11.04
		-11.04	-0.01	-7.41e-06	0.0	48.0	-0.37	9.14	-6.49e-03	0.0	-0.01	-5.71
50	298	-6.00	-7.33e-03	8.98e-05	-4.07	0.0	-0.30	13.13	-4.47e-03	0.0	-7.33e-03	-11.29
		-11.29	-9.47e-03	-5.92e-06	0.0	48.0	-0.30	9.06	-4.47e-03	0.0	-9.47e-03	-6.00
50	299	-7.84	-8.15e-03	7.36e-05	-4.73	0.0	-0.06	14.78	2.41e-03	0.0	-9.30e-03	-13.76
		-13.76	-9.30e-03	-3.11e-06	0.0	48.0	-0.06	10.05	2.41e-03	0.0	-8.15e-03	-7.84
50	301	-7.31	-8.75e-03	9.38e-05	-4.73	0.0	-0.23	15.05	-2.50e-03	0.0	-8.75e-03	-13.36
		-13.36	-9.95e-03	-5.57e-06	0.0	48.0	-0.23	10.32	-2.50e-03	0.0	-9.95e-03	-7.31
50	302	-6.61	-7.28e-03	6.61e-05	-4.07	0.0	-0.08	12.80	1.20e-03	0.0	-7.86e-03	-11.74
		-11.74	-7.86e-03	-2.63e-06	0.0	48.0	-0.08	8.73	1.20e-03	0.0	-7.28e-03	-6.61
50	309	-6.62	-7.37e-03	6.62e-05	-4.07	0.0	-0.10	12.81	1.26e-03	0.0	-7.97e-03	-11.75
		-11.75	-7.97e-03	-3.05e-06	0.0	48.0	-0.10	8.75	1.26e-03	0.0	-7.37e-03	-6.62
50	310	-6.09	-7.42e-03	8.64e-05	-4.07	0.0	-0.27	13.09	-3.66e-03	0.0	-7.42e-03	-11.36
		-11.36	-9.17e-03	-5.51e-06	0.0	48.0	-0.27	9.02	-3.66e-03	0.0	-9.17e-03	-6.09
51	7	-1.18	3.37e-05	1.07e-04	-3.64	0.0	0.24	9.41	0.02	0.0	-0.01	-4.83
		-4.83	-0.01	-8.20e-06	0.0	48.0	0.24	5.77	0.02	0.0	3.37e-05	-1.18
51	9	-9.27	-1.80e-03	9.82e-05	-10.09	0.0	1.18	23.69	0.03	0.0	-0.02	-18.22
		-18.22	-0.02	-4.06e-06	0.0	48.0	1.18	13.60	0.03	0.0	-1.80e-03	-9.27
51	31	-1.16	-4.33e-04	1.08e-04	-3.64	0.0	0.11	9.57	0.02	0.0	-0.01	-4.88
		-4.88	-0.01	-1.40e-05	0.0	48.0	0.11	5.93	0.02	0.0	-4.33e-04	-1.16
51	33	-9.25	-2.26e-03	9.92e-05	-10.09	0.0	1.05	23.85	0.03	0.0	-0.02	-18.27
		-18.27	-0.02	-9.81e-06	0.0	48.0	1.05	13.75	0.03	0.0	-2.26e-03	-9.25
51	35	-8.11	-1.93e-03	1.41e-04	-10.09	0.0	0.95	24.31	0.04	0.0	-0.02	-17.35
		-17.35	-0.02	-1.44e-05	0.0	48.0	0.95	14.22	0.04	0.0	-1.93e-03	-8.11
51	47	-1.64	-7.85e-04	9.02e-05	-3.64	0.0	0.10	9.44	0.02	0.0	-0.01	-5.30
		-5.30	-0.01	-1.45e-05	0.0	48.0	0.10	5.80	0.02	0.0	-7.85e-04	-1.64
51	114	-2.95	0.02	1.77e-05	-3.91	0.0	0.41	8.59	-5.14e-03	0.0	0.02	-5.46
		-5.46	0.02	4.90e-05	0.0	48.0	0.41	4.69	-5.14e-03	0.0	0.02	-2.95
51	115	-1.79	-0.02	1.33e-04	-3.91	0.0	0.22	10.81	0.04	0.0	-0.04	-6.71
		-6.71	-0.04	-6.17e-05	0.0	48.0	0.22	6.90	0.04	0.0	-0.02	-1.79
51	137	-1.70	-1.62e-03	2.01e-04	-3.91	0.0	0.96	7.68	0.04	0.0	-0.02	-4.51
		-4.51	-0.02	-6.67e-05	0.0	48.0	0.96	3.77	0.04	0.0	-1.62e-03	-1.70
51	140	-3.04	7.15e-04	-4.98e-05	-3.91	0.0	-0.33	11.73	1.02e-03	0.0	1.78e-04	-7.67
		-7.67	1.78e-04	5.40e-05	0.0	48.0	-0.33	7.82	1.02e-03	0.0	7.15e-04	-3.04
51	143	-1.43	-8.53e-03	2.07e-04	-3.91	0.0	0.85	8.73	0.04	0.0	-0.03	-5.16
		-5.16	-0.03	-6.87e-05	0.0	48.0	0.85	4.82	0.04	0.0	-8.53e-03	-1.43
51	144	-3.01	1.90e-03	-5.68e-05	-3.91	0.0	-0.28	11.88	6.49e-04	0.0	1.49e-03	-7.75
		-7.75	1.49e-03	5.68e-05	0.0	48.0	-0.28	7.97	6.49e-04	0.0	1.90e-03	-3.01
51	146	-3.02	0.02	1.02e-05	-3.91	0.0	0.42	8.46	-8.05e-03	0.0	0.02	-5.39
		-5.39	0.02	5.49e-05	0.0	48.0	0.42	4.55	-8.05e-03	0.0	0.02	-3.02

51	147	-1.72	-0.02	1.41e-04	-3.91	0.0	0.21	10.94	0.04	0.0	-0.04	-6.79
		-6.79	-0.04	-6.76e-05	0.0	48.0	0.21	7.04	0.04	0.0	-0.02	-1.72
51	169	-1.62	-1.81e-03	2.17e-04	-3.91	0.0	1.04	7.43	0.04	0.0	-0.02	-4.33
		-4.33	-0.02	-7.52e-05	0.0	48.0	1.04	3.52	0.04	0.0	-1.81e-03	-1.62
51	172	-3.12	1.46e-03	-6.63e-05	-3.91	0.0	-0.41	11.97	-1.28e-03	0.0	1.46e-03	-7.85
		-7.85	8.97e-04	6.25e-05	0.0	48.0	-0.41	8.07	-1.28e-03	0.0	8.97e-04	-3.12
51	175	-1.33	-9.56e-03	2.24e-04	-3.91	0.0	0.92	8.61	0.05	0.0	-0.03	-5.06
		-5.06	-0.03	-7.70e-05	0.0	48.0	0.92	4.70	0.05	0.0	-9.56e-03	-1.33
51	176	-3.08	2.92e-03	-7.42e-05	-3.91	0.0	-0.36	12.15	-1.68e-03	0.0	2.92e-03	-7.94
		-7.94	2.22e-03	6.52e-05	0.0	48.0	-0.36	8.24	-1.68e-03	0.0	2.22e-03	-3.08
51	178	-2.94	0.02	8.67e-06	-3.91	0.0	0.41	8.49	-7.87e-03	0.0	0.02	-5.41
		-5.41	0.02	4.90e-05	0.0	48.0	0.41	4.58	-7.87e-03	0.0	0.02	-2.94
51	179	-1.79	-0.02	1.42e-04	-3.91	0.0	0.22	10.92	0.04	0.0	-0.04	-6.76
		-6.76	-0.04	-6.18e-05	0.0	48.0	0.22	7.01	0.04	0.0	-0.02	-1.79
51	192	-2.13	-9.18e-03	2.76e-05	-3.91	0.0	0.02	12.40	0.03	0.0	-0.02	-7.75
		-7.75	-0.02	1.76e-05	0.0	48.0	0.02	8.49	0.03	0.0	-9.18e-03	-2.13
51	201	-1.70	-2.00e-03	2.21e-04	-3.91	0.0	1.06	7.51	0.04	0.0	-0.02	-4.52
		-4.52	-0.02	-8.03e-05	0.0	48.0	1.06	3.60	0.04	0.0	-2.00e-03	-1.70
51	204	-3.04	2.02e-03	-7.03e-05	-3.91	0.0	-0.42	11.89	-2.01e-03	0.0	2.02e-03	-7.66
		-7.66	1.09e-03	6.76e-05	0.0	48.0	-0.42	7.99	-2.01e-03	0.0	1.09e-03	-3.04
51	207	-1.45	-9.59e-03	2.28e-04	-3.91	0.0	0.94	8.65	0.05	0.0	-0.03	-5.20
		-5.20	-0.03	-7.95e-05	0.0	48.0	0.94	4.75	0.05	0.0	-9.59e-03	-1.45
51	210	-3.03	0.03	-4.52e-06	-3.91	0.0	0.43	8.29	-0.01	0.0	0.03	-5.30
		-5.30	0.02	5.53e-05	0.0	48.0	0.43	4.38	-0.01	0.0	0.02	-3.03
51	211	-1.71	-0.02	1.55e-04	-3.91	0.0	0.20	11.11	0.05	0.0	-0.04	-6.87
		-6.87	-0.04	-6.80e-05	0.0	48.0	0.20	7.21	0.05	0.0	-0.02	-1.71
51	224	-2.10	-0.01	1.85e-05	-3.91	0.0	-0.03	12.84	0.03	0.0	-0.02	-8.00
		-8.00	-0.02	2.24e-05	0.0	48.0	-0.03	8.93	0.03	0.0	-0.01	-2.10
51	233	-1.60	-2.37e-03	2.49e-04	-3.91	0.0	1.19	7.13	0.04	0.0	-0.02	-4.28
		-4.28	-0.02	-9.63e-05	0.0	48.0	1.19	3.22	0.04	0.0	-2.37e-03	-1.60
51	236	-3.14	4.28e-03	-9.80e-05	-3.91	0.0	-0.56	12.27	-5.95e-03	0.0	4.28e-03	-7.90
		-7.90	1.46e-03	8.36e-05	0.0	48.0	-0.56	8.37	-5.95e-03	0.0	1.46e-03	-3.14
51	239	-1.31	-0.01	2.57e-04	-3.91	0.0	1.06	8.46	0.05	0.0	-0.04	-5.07
		-5.07	-0.04	-9.37e-05	0.0	48.0	1.06	4.55	0.05	0.0	-0.01	-1.31
51	243	-1.94	-2.22e-04	9.11e-05	-3.91	0.0	0.31	9.84	0.02	0.0	-0.01	-5.73
		-5.73	-0.01	-6.85e-06	0.0	48.0	0.31	5.94	0.02	0.0	-2.22e-04	-1.94
51	245	-6.44	-1.26e-03	6.96e-05	-7.07	0.0	0.82	16.63	0.02	0.0	-0.01	-12.73
		-12.73	-0.01	-3.06e-06	0.0	48.0	0.82	9.56	0.02	0.0	-1.26e-03	-6.44
51	255	-1.92	-5.34e-04	9.17e-05	-3.91	0.0	0.22	9.95	0.02	0.0	-0.01	-5.76
		-5.76	-0.01	-1.07e-05	0.0	48.0	0.22	6.04	0.02	0.0	-5.34e-04	-1.92
51	257	-6.43	-1.57e-03	7.02e-05	-7.07	0.0	0.73	16.73	0.02	0.0	-0.01	-12.76
		-12.76	-0.01	-6.89e-06	0.0	48.0	0.73	9.66	0.02	0.0	-1.57e-03	-6.43
51	259	-5.67	-1.34e-03	9.80e-05	-7.07	0.0	0.66	17.04	0.03	0.0	-0.01	-12.15
		-12.15	-0.01	-9.98e-06	0.0	48.0	0.66	9.97	0.03	0.0	-1.34e-03	-5.67
51	263	-2.24	-7.68e-04	8.01e-05	-3.91	0.0	0.21	9.86	0.02	0.0	-0.01	-6.04
		-6.04	-0.01	-1.11e-05	0.0	48.0	0.21	5.95	0.02	0.0	-7.68e-04	-2.24
51	298	-2.26	-4.22e-04	7.94e-05	-3.91	0.0	0.31	9.74	0.02	0.0	-9.47e-03	-6.00
		-6.00	-9.47e-03	-6.80e-06	0.0	48.0	0.31	5.84	0.02	0.0	-4.22e-04	-2.26
51	299	-3.71	-7.89e-04	5.52e-05	-4.54	0.0	0.46	10.88	0.02	0.0	-8.15e-03	-7.84
		-7.84	-8.15e-03	-3.84e-06	0.0	48.0	0.46	6.34	0.02	0.0	-7.89e-04	-3.71
51	301	-3.05	-5.97e-04	7.91e-05	-4.54	0.0	0.40	11.15	0.02	0.0	-9.95e-03	-7.31
		-7.31	-9.95e-03	-6.48e-06	0.0	48.0	0.40	6.61	0.02	0.0	-5.97e-04	-3.05
51	303	-2.37	-4.20e-04	7.53e-05	-3.91	0.0	0.32	9.69	0.02	0.0	-9.09e-03	-6.08
		-6.08	-9.09e-03	-5.93e-06	0.0	48.0	0.32	5.78	0.02	0.0	-4.20e-04	-2.37
51	305	-2.37	-5.24e-04	7.56e-05	-3.91	0.0	0.30	9.72	0.02	0.0	-9.34e-03	-6.10
		-6.10	-9.34e-03	-7.21e-06	0.0	48.0	0.30	5.82	0.02	0.0	-5.24e-04	-2.37
51	309	-3.02	-6.47e-04	5.15e-05	-3.91	0.0	0.37	9.43	0.01	0.0	-7.37e-03	-6.62
		-6.62	-7.37e-03	-3.71e-06	0.0	48.0	0.37	5.53	0.01	0.0	-6.47e-04	-3.02
51	310	-2.37	-4.54e-04	7.54e-05	-3.91	0.0	0.32	9.70	0.02	0.0	-9.17e-03	-6.09
		-6.09	-9.17e-03	-6.36e-06	0.0	48.0	0.32	5.79	0.02	0.0	-4.54e-04	-2.37
52	7	0.57	3.37e-05	1.36e-04	-3.64	0.0	-0.69	5.47	-3.23e-03	0.0	3.37e-05	-1.18
		-1.18	-1.52e-03	-8.12e-06	0.0	48.0	-0.69	1.83	-3.23e-03	0.0	-1.52e-03	0.57
52	9	-4.20	-1.80e-03	1.12e-04	-10.09	0.0	0.11	15.62	-6.13e-04	0.0	-1.80e-03	-9.27
		-9.27	-2.09e-03	-4.12e-06	0.0	48.0	0.11	5.53	-6.13e-04	0.0	-2.09e-03	-4.20
52	12	-3.72	-1.52e-03	8.33e-05	-8.39	0.0	0.18	13.00	-2.47e-04	0.0	-1.52e-03	-7.94
		-7.94	-1.63e-03	-2.58e-06	0.0	48.0	0.18	4.60	-2.47e-04	0.0	-1.63e-03	-3.72
52	27	0.18	-7.15e-04	1.66e-04	-5.34	0.0	-0.90	8.24	-3.23e-03	0.0	-7.15e-04	-2.49
		-2.49	-2.27e-03	-1.54e-05	0.0	48.0	-0.90	2.90	-3.23e-03	0.0	-2.27e-03	0.18
52	31	0.66	-4.33e-04	1.38e-04	-3.64	0.0	-0.83	5.62	-2.87e-03	0.0	-4.33e-04	-1.16
		-1.16	-1.81e-03	-1.39e-05	0.0	48.0	-0.83	1.97	-2.87e-03	0.0	-1.81e-03	0.66
52	35	-2.99	-1.93e-03	1.68e-04	-10.09	0.0	-0.43	15.70	-1.92e-03	0.0	-1.93e-03	-8.11
		-8.11	-2.85e-03	-1.45e-05	0.0	48.0	-0.43	5.60	-1.92e-03	0.0	-2.85e-03	-2.99
52	114	-0.82	0.02	3.91e-05	-3.91	0.0	-0.24	4.98	-0.02	0.0	0.02	-2.95
		-2.95	7.70e-03	4.14e-05	0.0	48.0	-0.24	1.07	-0.02	0.0	7.70e-03	-0.82
52	115	-0.04	-0.01	1.50e-04	-3.91	0.0	-0.57	7.00	0.01	0.0	-0.02	-1.79

		-1.79	-0.02	-5.41e-05	0.0	48.0	-0.57	3.09	0.01	0.0	-0.01	-0.04
52	137	-1.41	-1.62e-03	2.20e-04	-3.91	0.0	0.02	4.16	-2.69e-03	0.0	-1.62e-03	-1.70
		-1.70	-5.43e-03	-6.95e-05	0.0	48.0	0.02	0.25	-2.69e-03	0.0	-5.43e-03	-1.59
52	140	0.73	2.85e-03	-3.02e-05	-3.91	0.0	-0.83	7.82	-7.97e-04	0.0	7.15e-04	-3.04
		-3.04	7.15e-04	5.68e-05	0.0	48.0	-0.83	3.91	-7.97e-04	0.0	2.85e-03	0.73
52	142	0.27	7.62e-03	-3.59e-05	-3.91	0.0	-0.70	6.85	-7.89e-03	0.0	7.62e-03	-3.31
		-3.31	6.39e-03	5.62e-05	0.0	48.0	-0.70	2.95	-7.89e-03	0.0	6.39e-03	0.27
52	144	0.81	3.44e-03	-3.65e-05	-3.91	0.0	-0.80	7.97	-2.11e-03	0.0	1.90e-03	-3.01
		-3.01	1.90e-03	5.74e-05	0.0	48.0	-0.80	4.06	-2.11e-03	0.0	3.44e-03	0.81
52	146	-0.87	0.02	3.19e-05	-3.91	0.0	-0.22	4.86	-0.02	0.0	0.02	-3.02
		-3.02	8.82e-03	4.65e-05	0.0	48.0	-0.22	0.95	-0.02	0.0	8.82e-03	-0.87
52	147	2.55e-03	-0.01	1.57e-04	-3.91	0.0	-0.59	7.12	0.01	0.0	-0.02	-1.72
		-1.72	-0.02	-5.92e-05	0.0	48.0	-0.59	3.22	0.01	0.0	-0.01	2.55e-03
52	169	-1.44	-1.81e-03	2.36e-04	-3.91	0.0	0.08	3.93	-2.80e-03	0.0	-1.81e-03	-1.62
		-1.74	-5.99e-03	-7.83e-05	0.0	48.0	0.08	0.02	-2.80e-03	0.0	-5.99e-03	-1.74
52	172	0.87	3.41e-03	-4.67e-05	-3.91	0.0	-0.88	8.05	-6.89e-04	0.0	8.97e-04	-3.12
		-3.12	8.97e-04	6.56e-05	0.0	48.0	-0.88	4.14	-6.89e-04	0.0	3.41e-03	0.87
52	174	0.36	8.65e-03	-5.30e-05	-3.91	0.0	-0.74	6.97	-8.65e-03	0.0	8.65e-03	-3.41
		-3.41	7.39e-03	6.46e-05	0.0	48.0	-0.74	3.06	-8.65e-03	0.0	7.39e-03	0.36
52	176	0.97	4.07e-03	-5.38e-05	-3.91	0.0	-0.85	8.22	-2.16e-03	0.0	2.22e-03	-3.08
		-3.08	2.22e-03	6.59e-05	0.0	48.0	-0.85	4.31	-2.16e-03	0.0	4.07e-03	0.97
52	178	-0.85	0.02	3.07e-05	-3.91	0.0	-0.22	4.88	-0.02	0.0	0.02	-2.94
		-2.94	8.71e-03	4.11e-05	0.0	48.0	-0.22	0.98	-0.02	0.0	8.71e-03	-0.85
52	179	-9.30e-03	-0.01	1.59e-04	-3.91	0.0	-0.58	7.10	0.01	0.0	-0.02	-1.79
		-1.79	-0.02	-5.37e-05	0.0	48.0	-0.58	3.19	0.01	0.0	-0.01	-9.30e-03
52	201	-1.48	-2.00e-03	2.40e-04	-3.91	0.0	0.08	3.94	-2.74e-03	0.0	-2.00e-03	-1.70
		-1.74	-6.21e-03	-8.33e-05	0.0	48.0	0.08	0.03	-2.74e-03	0.0	-6.21e-03	-1.74
52	204	0.87	3.63e-03	-5.08e-05	-3.91	0.0	-0.89	8.04	-7.46e-04	0.0	1.09e-03	-3.04
		-3.04	1.09e-03	7.06e-05	0.0	48.0	-0.89	4.14	-7.46e-04	0.0	3.63e-03	0.87
52	206	0.36	8.69e-03	-5.70e-05	-3.91	0.0	-0.75	6.98	-8.56e-03	0.0	8.69e-03	-3.29
		-3.29	7.52e-03	6.71e-05	0.0	48.0	-0.75	3.07	-8.56e-03	0.0	7.52e-03	0.36
52	208	0.96	4.26e-03	-5.78e-05	-3.91	0.0	-0.86	8.21	-2.19e-03	0.0	2.37e-03	-3.01
		-3.01	2.37e-03	6.86e-05	0.0	48.0	-0.86	4.30	-2.19e-03	0.0	4.26e-03	0.96
52	210	-0.92	0.02	1.83e-05	-3.91	0.0	-0.19	4.70	-0.02	0.0	0.02	-3.03
		-3.03	0.01	4.61e-05	0.0	48.0	-0.19	0.80	-0.02	0.0	0.01	-0.92
52	211	0.06	-0.01	1.71e-04	-3.91	0.0	-0.61	7.28	0.02	0.0	-0.02	-1.71
		-1.71	-0.02	-5.88e-05	0.0	48.0	-0.61	3.37	0.02	0.0	-0.01	0.06
52	233	-1.51	-2.37e-03	2.68e-04	-3.91	0.0	0.17	3.56	-2.84e-03	0.0	-2.37e-03	-1.60
		-1.97	-7.19e-03	-9.97e-05	0.0	48.0	0.17	-0.34	-2.84e-03	0.0	-7.19e-03	-1.97
52	236	1.11	4.61e-03	-7.86e-05	-3.91	0.0	-0.98	8.42	-6.49e-04	0.0	1.46e-03	-3.14
		-3.14	1.46e-03	8.70e-05	0.0	48.0	-0.98	4.51	-6.49e-04	0.0	4.61e-03	1.11
52	238	0.52	0.01	-8.58e-05	-3.91	0.0	-0.82	7.18	-9.75e-03	0.0	0.01	-3.43
		-3.43	9.13e-03	8.14e-05	0.0	48.0	-0.82	3.27	-9.75e-03	0.0	9.13e-03	0.52
52	240	1.21	5.34e-03	-8.67e-05	-3.91	0.0	-0.94	8.60	-2.35e-03	0.0	2.96e-03	-3.11
		-3.11	2.96e-03	8.32e-05	0.0	48.0	-0.94	4.70	-2.35e-03	0.0	5.34e-03	1.21
52	243	-0.03	-2.22e-04	1.15e-04	-3.91	0.0	-0.52	5.93	-2.46e-03	0.0	-2.22e-04	-1.94
		-1.94	-1.40e-03	-6.79e-06	0.0	48.0	-0.52	2.02	-2.46e-03	0.0	-1.40e-03	-0.03
52	245	-2.89	-1.26e-03	7.99e-05	-7.07	0.0	0.06	10.95	-4.70e-04	0.0	-1.26e-03	-6.44
		-6.44	-1.48e-03	-3.10e-06	0.0	48.0	0.06	3.87	-4.70e-04	0.0	-1.48e-03	-2.89
52	255	0.03	-5.34e-04	1.16e-04	-3.91	0.0	-0.62	6.03	-2.22e-03	0.0	-5.34e-04	-1.92
		-1.92	-1.60e-03	-1.07e-05	0.0	48.0	-0.62	2.12	-2.22e-03	0.0	-1.60e-03	0.03
52	259	-2.09	-1.34e-03	1.17e-04	-7.07	0.0	-0.31	11.00	-1.34e-03	0.0	-1.34e-03	-5.67
		-5.67	-1.99e-03	-1.00e-05	0.0	48.0	-0.31	3.92	-1.34e-03	0.0	-1.99e-03	-2.09
52	298	-0.33	-4.22e-04	9.99e-05	-3.91	0.0	-0.44	5.98	-1.90e-03	0.0	-4.22e-04	-2.26
		-2.26	-1.34e-03	-6.77e-06	0.0	48.0	-0.44	2.08	-1.90e-03	0.0	-1.34e-03	-0.33
52	299	-1.43	-7.89e-04	6.68e-05	-4.54	0.0	-0.13	7.02	-7.07e-04	0.0	-7.89e-04	-3.71
		-3.71	-1.13e-03	-3.86e-06	0.0	48.0	-0.13	2.48	-7.07e-04	0.0	-1.13e-03	-1.43
52	301	-0.79	-5.97e-04	9.81e-05	-4.54	0.0	-0.36	6.98	-1.66e-03	0.0	-5.97e-04	-3.05
		-3.05	-1.40e-03	-6.47e-06	0.0	48.0	-0.36	2.44	-1.66e-03	0.0	-1.40e-03	-0.79
52	303	-0.44	-4.20e-04	9.46e-05	-3.91	0.0	-0.39	5.98	-1.77e-03	0.0	-4.20e-04	-2.37
		-2.37	-1.27e-03	-5.91e-06	0.0	48.0	-0.39	2.07	-1.77e-03	0.0	-1.27e-03	-0.44
52	309	-1.07	-6.47e-04	6.34e-05	-3.91	0.0	-0.17	6.03	-7.86e-04	0.0	-6.47e-04	-3.02
		-3.02	-1.02e-03	-3.72e-06	0.0	48.0	-0.17	2.13	-7.86e-04	0.0	-1.02e-03	-1.07
52	310	-0.43	-4.54e-04	9.47e-05	-3.91	0.0	-0.40	5.99	-1.74e-03	0.0	-4.54e-04	-2.37
		-2.37	-1.29e-03	-6.34e-06	0.0	48.0	-0.40	2.08	-1.74e-03	0.0	-1.29e-03	-0.43
53	12	-1.87	-1.63e-03	1.06e-04	-8.39	0.0	0.19	8.04	-6.33e-04	0.0	-1.63e-03	-3.72
		-3.72	-1.94e-03	-2.71e-06	0.0	48.0	0.19	-0.36	-6.33e-04	0.0	-1.94e-03	-1.88
53	19	-0.43	-6.60e-04	7.50e-05	-3.64	0.0	0.03	3.05	2.64e-04	0.0	-7.87e-04	-1.04
		-1.04	-7.87e-04	0.0	0.0	48.0	0.03	-0.60	2.64e-04	0.0	-6.60e-04	-0.45
53	31	0.94	-1.81e-03	1.76e-04	-3.64	0.0	-0.67	2.07	-3.78e-05	0.0	-1.81e-03	0.66
		0.66	-1.83e-03	-1.41e-05	0.0	48.0	-0.67	-1.57	-3.78e-05	0.0	-1.83e-03	0.78
53	35	-1.14	-2.85e-03	2.14e-04	-10.09	0.0	-0.38	8.82	-1.06e-03	0.0	-2.85e-03	-2.99
		-2.99	-3.36e-03	-1.47e-05	0.0	48.0	-0.38	-1.27	-1.06e-03	0.0	-3.36e-03	-1.18
53	43	0.44	-2.20e-03	1.84e-04	-5.34	0.0	-0.72	3.91	-6.94e-04	0.0	-2.20e-03	-0.25
		-0.25	-2.53e-03	-1.62e-05	0.0	48.0	-0.72	-1.43	-6.94e-04	0.0	-2.53e-03	0.34

53	57	-2.09	-2.38e-03	1.51e-04	-10.09	0.0	0.13	9.45	-1.03e-03	0.0	-2.38e-03	-4.21
		-4.21	-2.87e-03	-6.66e-06	0.0	48.0	0.13	-0.64	-1.03e-03	0.0	-2.87e-03	-2.10
53	114	-0.53	0.02	6.44e-05	-3.91	0.0	0.14	2.14	0.02	0.0	7.70e-03	-0.82
		-0.82	7.70e-03	3.40e-05	0.0	48.0	0.14	-1.77	0.02	0.0	0.02	-0.72
53	115	0.76	-0.01	1.79e-04	-3.91	0.0	-0.67	3.65	-0.02	0.0	-0.01	-0.04
		-0.04	-0.02	-4.69e-05	0.0	48.0	-0.67	-0.26	-0.02	0.0	-0.02	0.76
53	125	-1.55	5.86e-03	1.51e-04	-3.91	0.0	0.81	0.99	8.52e-03	0.0	1.77e-03	-1.64
		-2.02	1.77e-03	-2.79e-05	0.0	48.0	0.81	-2.92	8.52e-03	0.0	5.86e-03	-2.02
53	128	2.05	-4.35e-03	9.22e-05	-3.91	0.0	-1.35	4.80	-8.38e-03	0.0	-4.35e-03	0.77
		0.77	-8.37e-03	1.50e-05	0.0	48.0	-1.35	0.89	-8.38e-03	0.0	-8.37e-03	2.05
53	141	-1.56	-6.02e-03	2.44e-04	-3.91	0.0	1.13	1.10	-0.01	0.0	-6.02e-03	-1.68
		-1.96	-0.01	-7.09e-05	0.0	48.0	1.13	-2.81	-0.01	0.0	-0.01	-1.96
53	144	2.00	8.53e-03	-6.60e-06	-3.91	0.0	-1.67	4.69	0.01	0.0	3.44e-03	0.81
		0.81	3.44e-03	5.80e-05	0.0	48.0	-1.67	0.78	0.01	0.0	8.53e-03	2.00
53	146	-0.60	0.02	5.71e-05	-3.91	0.0	0.18	2.05	0.03	0.0	8.82e-03	-0.87
		-0.87	8.82e-03	3.82e-05	0.0	48.0	0.18	-1.86	0.03	0.0	0.02	-0.81
53	147	0.85	-0.01	1.86e-04	-3.91	0.0	-0.72	3.74	-0.03	0.0	-0.01	2.55e-03
		2.55e-03	-0.02	-5.11e-05	0.0	48.0	-0.72	-0.17	-0.03	0.0	-0.02	0.85
53	157	-1.73	6.71e-03	1.55e-04	-3.91	0.0	0.95	0.75	9.54e-03	0.0	2.13e-03	-1.78
		-2.27	2.13e-03	-3.08e-05	0.0	48.0	0.95	-3.16	9.54e-03	0.0	6.71e-03	-2.27
53	160	2.31	-4.71e-03	8.82e-05	-3.91	0.0	-1.48	5.04	-9.40e-03	0.0	-4.71e-03	0.92
		0.92	-9.23e-03	1.79e-05	0.0	48.0	-1.48	1.13	-9.40e-03	0.0	-9.23e-03	2.31
53	173	-1.75	-6.65e-03	2.60e-04	-3.91	0.0	1.31	0.86	-0.01	0.0	-6.65e-03	-1.83
		-2.22	-0.01	-7.95e-05	0.0	48.0	1.31	-3.04	-0.01	0.0	-0.01	-2.22
53	176	2.26	9.83e-03	-1.77e-05	-3.91	0.0	-1.85	4.92	0.01	0.0	4.07e-03	0.97
		0.97	4.07e-03	6.66e-05	0.0	48.0	-1.85	1.01	0.01	0.0	9.83e-03	2.26
53	194	1.10	0.02	-2.03e-05	-3.91	0.0	-1.20	3.81	0.03	0.0	9.22e-03	0.27
		0.27	9.22e-03	1.77e-04	0.0	48.0	-1.20	-0.10	0.03	0.0	0.02	1.09
53	195	-0.86	-0.01	2.64e-04	-3.91	0.0	0.66	1.97	-0.03	0.0	-0.01	-1.14
		-1.14	-0.02	-1.90e-04	0.0	48.0	0.66	-1.93	-0.03	0.0	-0.02	-1.06
53	205	-1.76	-6.84e-03	2.64e-04	-3.91	0.0	1.34	0.85	-0.01	0.0	-6.84e-03	-1.82
		-2.25	-0.01	-8.22e-05	0.0	48.0	1.34	-3.06	-0.01	0.0	-0.01	-2.25
53	208	2.29	0.01	-2.10e-05	-3.91	0.0	-1.88	4.94	0.01	0.0	4.26e-03	0.96
		0.96	4.26e-03	6.93e-05	0.0	48.0	-1.88	1.03	0.01	0.0	0.01	2.29
53	226	1.32	0.03	-4.91e-05	-3.91	0.0	-1.39	4.01	0.03	0.0	0.01	0.42
		0.42	0.01	2.14e-04	0.0	48.0	-1.39	0.10	0.03	0.0	0.03	1.32
53	227	-1.05	-0.01	2.93e-04	-3.91	0.0	0.85	1.78	-0.03	0.0	-0.01	-1.28
		-1.29	-0.03	-2.27e-04	0.0	48.0	0.85	-2.13	-0.03	0.0	-0.03	-1.29
53	233	-1.93	-7.19e-03	2.86e-04	-3.91	0.0	1.64	0.63	-0.01	0.0	-7.19e-03	-1.97
		-2.50	-0.01	-1.03e-04	0.0	48.0	1.64	-3.28	-0.01	0.0	-0.01	-2.50
53	236	2.54	0.01	-4.22e-05	-3.91	0.0	-2.18	5.16	0.01	0.0	4.61e-03	1.11
		1.11	4.61e-03	9.04e-05	0.0	48.0	-2.18	1.25	0.01	0.0	0.01	2.54
53	237	-2.04	-7.92e-03	2.91e-04	-3.91	0.0	1.64	0.48	-0.01	0.0	-7.92e-03	-2.07
		-2.67	-0.01	-9.69e-05	0.0	48.0	1.64	-3.43	-0.01	0.0	-0.01	-2.67
53	240	2.71	0.01	-4.79e-05	-3.91	0.0	-2.18	5.31	0.01	0.0	5.34e-03	1.21
		1.21	5.34e-03	8.40e-05	0.0	48.0	-2.18	1.40	0.01	0.0	0.01	2.71
53	245	-1.40	-1.48e-03	1.02e-04	-7.07	0.0	0.09	6.62	-5.01e-04	0.0	-1.48e-03	-2.89
		-2.89	-1.72e-03	-3.23e-06	0.0	48.0	0.09	-0.45	-5.01e-04	0.0	-1.72e-03	-1.41
53	248	-0.43	-8.70e-04	8.15e-05	-3.91	0.0	-0.02	3.30	9.60e-05	0.0	-9.16e-04	-1.10
		-1.10	-9.16e-04	-1.66e-06	0.0	48.0	-0.02	-0.61	9.60e-05	0.0	-8.70e-04	-0.46
53	255	0.46	-1.60e-03	1.49e-04	-3.91	0.0	-0.49	2.65	-1.05e-04	0.0	-1.60e-03	0.03
		0.03	-1.65e-03	-1.08e-05	0.0	48.0	-0.49	-1.26	-1.05e-04	0.0	-1.65e-03	0.36
53	259	-0.79	-1.99e-03	1.50e-04	-7.07	0.0	-0.27	6.18	-7.19e-04	0.0	-1.99e-03	-2.09
		-2.09	-2.33e-03	-1.02e-05	0.0	48.0	-0.27	-0.90	-7.19e-04	0.0	-2.33e-03	-0.82
53	263	0.26	-1.55e-03	1.30e-04	-3.91	0.0	-0.50	2.90	-4.76e-04	0.0	-1.55e-03	-0.26
		-0.26	-1.78e-03	-1.12e-05	0.0	48.0	-0.50	-1.01	-4.76e-04	0.0	-1.78e-03	0.20
53	269	-1.42	-1.67e-03	1.08e-04	-7.07	0.0	0.07	6.59	-6.97e-04	0.0	-1.67e-03	-2.90
		-2.90	-2.01e-03	-4.81e-06	0.0	48.0	0.07	-0.48	-6.97e-04	0.0	-2.01e-03	-1.43
53	298	0.16	-1.28e-03	1.28e-04	-3.91	0.0	-0.29	2.82	1.15e-04	0.0	-1.34e-03	-0.33
		-0.33	-1.34e-03	-6.89e-06	0.0	48.0	-0.29	-1.09	1.15e-04	0.0	-1.28e-03	0.09
53	299	-0.58	-1.13e-03	8.64e-05	-4.54	0.0	-0.09	4.00	-2.95e-04	0.0	-1.13e-03	-1.43
		-1.43	-1.27e-03	-3.95e-06	0.0	48.0	-0.09	-0.54	-2.95e-04	0.0	-1.27e-03	-0.60
53	301	-0.13	-1.40e-03	1.26e-04	-4.54	0.0	-0.24	3.55	-2.58e-05	0.0	-1.40e-03	-0.79
		-0.79	-1.41e-03	-6.59e-06	0.0	48.0	-0.24	-0.99	-2.58e-05	0.0	-1.41e-03	-0.18
53	302	-0.39	-1.00e-03	8.21e-05	-3.91	0.0	-0.10	3.33	-1.40e-04	0.0	-1.00e-03	-1.07
		-1.07	-1.07e-03	-3.38e-06	0.0	48.0	-0.10	-0.58	-1.40e-04	0.0	-1.07e-03	-0.41
53	305	0.10	-1.33e-03	1.22e-04	-3.91	0.0	-0.31	2.91	-4.82e-05	0.0	-1.33e-03	-0.42
		-0.42	-1.36e-03	-7.31e-06	0.0	48.0	-0.31	-1.00	-4.82e-05	0.0	-1.36e-03	0.04
53	309	-0.38	-1.02e-03	8.23e-05	-3.91	0.0	-0.12	3.34	-2.00e-04	0.0	-1.02e-03	-1.07
		-1.07	-1.12e-03	-3.81e-06	0.0	48.0	-0.12	-0.57	-2.00e-04	0.0	-1.12e-03	-0.40
53	310	0.08	-1.26e-03	1.22e-04	-3.91	0.0	-0.27	2.89	7.01e-05	0.0	-1.29e-03	-0.43
		-0.43	-1.29e-03	-6.45e-06	0.0	48.0	-0.27	-1.02	7.01e-05	0.0	-1.26e-03	0.02
54	11	-0.83	0.01	2.44e-04	-10.09	0.0	0.50	4.58	0.03	0.0	-2.68e-03	-1.33
		-1.55	-2.68e-03	-9.24e-06	0.0	48.0	0.50	-5.51	0.03	0.0	0.01	-1.55
54	31	0.78	7.71e-03	2.04e-04	-3.64	0.0	-0.11	-0.17	0.02	0.0	-1.83e-03	0.78

		-0.17	-1.83e-03	-1.43e-05	0.0	48.0	-0.11	-3.81	0.02	0.0	7.71e-03	-0.17
54	35	-0.68	0.01	2.48e-04	-10.09	0.0	0.17	4.60	0.03	0.0	-3.36e-03	-1.18
		-1.40	-3.36e-03	-1.51e-05	0.0	48.0	0.17	-5.50	0.03	0.0	0.01	-1.40
54	45	-0.03	5.30e-03	9.34e-05	-3.64	0.0	-0.27	1.61	0.01	0.0	-1.78e-03	-0.20
		-0.30	-1.78e-03	-1.02e-05	0.0	48.0	-0.27	-2.03	0.01	0.0	5.30e-03	-0.30
54	57	-1.30	0.01	1.73e-04	-10.09	0.0	0.48	5.79	0.03	0.0	-2.87e-03	-2.10
		-2.10	-2.87e-03	-7.00e-06	0.0	48.0	0.48	-4.30	0.03	0.0	0.01	-1.74
54	59	-0.87	0.01	2.52e-04	-10.09	0.0	0.49	4.55	0.03	0.0	-3.11e-03	-1.36
		-1.60	-3.11e-03	-1.17e-05	0.0	48.0	0.49	-5.54	0.03	0.0	0.01	-1.60
54	130	1.06	0.02	2.91e-05	-3.91	0.0	-0.78	1.56	-0.12	0.0	0.02	0.92
		0.71	-0.04	1.51e-04	0.0	48.0	-0.78	-2.35	-0.12	0.0	-0.04	0.71
54	131	-0.87	0.05	2.52e-04	-3.91	0.0	1.01	0.45	0.15	0.0	-0.02	-0.89
		-1.59	-0.02	-1.64e-04	0.0	48.0	1.01	-3.46	0.15	0.0	0.05	-1.59
54	141	-1.96	0.04	2.40e-04	-3.91	0.0	1.92	0.19	0.10	0.0	-0.01	-1.96
		-2.77	-0.01	-7.29e-05	0.0	48.0	1.92	-3.72	0.10	0.0	0.04	-2.77
54	144	2.18	8.53e-03	4.14e-05	-3.91	0.0	-1.69	1.81	-0.07	0.0	8.53e-03	2.00
		1.89	-0.02	5.97e-05	0.0	48.0	-1.69	-2.09	-0.07	0.0	-0.02	1.89
54	162	1.20	0.02	1.44e-05	-3.91	0.0	-0.90	1.63	-0.14	0.0	0.02	1.05
		0.87	-0.04	1.71e-04	0.0	48.0	-0.90	-2.27	-0.14	0.0	-0.04	0.87
54	163	-1.00	0.06	2.67e-04	-3.91	0.0	1.13	0.37	0.17	0.0	-0.02	-1.01
		-1.74	-0.02	-1.85e-04	0.0	48.0	1.13	-3.53	0.17	0.0	0.06	-1.74
54	173	-2.22	0.04	2.53e-04	-3.91	0.0	2.16	0.09	0.11	0.0	-0.01	-2.22
		-3.07	-0.01	-8.17e-05	0.0	48.0	2.16	-3.82	0.11	0.0	0.04	-3.07
54	176	2.46	9.83e-03	2.82e-05	-3.91	0.0	-1.93	1.92	-0.08	0.0	9.83e-03	2.26
		2.19	-0.03	6.85e-05	0.0	48.0	-1.93	-1.99	-0.08	0.0	-0.03	2.19
54	194	1.25	0.02	1.02e-05	-3.91	0.0	-0.96	1.65	-0.14	0.0	0.02	1.09
		0.93	-0.04	1.77e-04	0.0	48.0	-0.96	-2.26	-0.14	0.0	-0.04	0.93
54	195	-1.05	0.06	2.71e-04	-3.91	0.0	1.18	0.36	0.17	0.0	-0.02	-1.06
		-1.81	-0.02	-1.90e-04	0.0	48.0	1.18	-3.55	0.17	0.0	0.06	-1.81
54	205	-2.25	0.04	2.56e-04	-3.91	0.0	2.20	0.08	0.11	0.0	-0.01	-2.25
		-3.12	-0.01	-8.43e-05	0.0	48.0	2.20	-3.82	0.11	0.0	0.04	-3.12
54	208	2.50	0.01	2.47e-05	-3.91	0.0	-1.97	1.92	-0.08	0.0	0.01	2.29
		2.24	-0.03	7.11e-05	0.0	48.0	-1.97	-1.99	-0.08	0.0	-0.03	2.24
54	226	1.51	0.03	-1.68e-05	-3.91	0.0	-1.19	1.78	-0.17	0.0	0.03	1.32
		1.22	-0.05	2.14e-04	0.0	48.0	-1.19	-2.13	-0.17	0.0	-0.05	1.22
54	227	-1.28	0.07	2.97e-04	-3.91	0.0	1.42	0.23	0.20	0.0	-0.03	-1.29
		-2.10	-0.03	-2.27e-04	0.0	48.0	1.42	-3.68	0.20	0.0	0.07	-2.10
54	237	-2.67	0.05	2.79e-04	-3.91	0.0	2.58	-0.08	0.13	0.0	-0.01	-2.67
		-3.61	-0.01	-9.94e-05	0.0	48.0	2.58	-3.99	0.13	0.0	0.05	-3.61
54	240	2.96	0.01	-6.17e-06	-3.91	0.0	-2.36	2.09	-0.10	0.0	0.01	2.71
		2.71	-0.04	8.62e-05	0.0	48.0	-2.36	-1.82	-0.10	0.0	-0.04	2.74
54	247	-0.57	8.33e-03	1.71e-04	-7.07	0.0	0.34	3.21	0.02	0.0	-1.88e-03	-0.92
		-1.08	-1.88e-03	-6.53e-06	0.0	48.0	0.34	-3.87	0.02	0.0	8.33e-03	-1.08
54	255	0.38	6.93e-03	1.72e-04	-3.91	0.0	-0.03	0.54	0.02	0.0	-1.65e-03	0.36
		-0.32	-1.65e-03	-1.10e-05	0.0	48.0	-0.03	-3.37	0.02	0.0	6.93e-03	-0.32
54	259	-0.47	8.89e-03	1.74e-04	-7.07	0.0	0.12	3.22	0.02	0.0	-2.33e-03	-0.82
		-0.97	-2.33e-03	-1.05e-05	0.0	48.0	0.12	-3.86	0.02	0.0	8.89e-03	-0.97
54	261	-0.11	5.33e-03	9.88e-05	-3.91	0.0	-0.13	1.72	0.01	0.0	-1.62e-03	-0.29
		-0.40	-1.62e-03	-8.30e-06	0.0	48.0	-0.13	-2.18	0.01	0.0	5.33e-03	-0.40
54	269	-0.88	7.80e-03	1.24e-04	-7.07	0.0	0.32	4.01	0.02	0.0	-2.01e-03	-1.43
		-1.43	-2.01e-03	-5.04e-06	0.0	48.0	0.32	-3.06	0.02	0.0	7.80e-03	-1.20
54	271	-0.59	9.10e-03	1.76e-04	-7.07	0.0	0.33	3.19	0.02	0.0	-2.17e-03	-0.94
		-1.11	-2.17e-03	-8.14e-06	0.0	48.0	0.33	-3.89	0.02	0.0	9.10e-03	-1.11
54	298	0.14	6.00e-03	1.48e-04	-3.91	0.0	0.11	0.88	0.02	0.0	-1.28e-03	0.09
		-0.42	-1.28e-03	-7.05e-06	0.0	48.0	0.11	-3.02	0.02	0.0	6.00e-03	-0.42
54	299	-0.35	5.20e-03	1.01e-04	-4.54	0.0	0.14	2.18	0.01	0.0	-1.27e-03	-0.60
		-0.64	-1.27e-03	-4.10e-06	0.0	48.0	0.14	-2.36	0.01	0.0	5.20e-03	-0.64
54	301	-0.06	6.32e-03	1.45e-04	-4.54	0.0	0.14	1.47	0.02	0.0	-1.41e-03	-0.18
		-0.56	-1.41e-03	-6.76e-06	0.0	48.0	0.14	-3.07	0.02	0.0	6.32e-03	-0.56
54	304	-0.20	4.83e-03	9.64e-05	-3.91	0.0	0.06	1.71	0.01	0.0	-1.22e-03	-0.38
		-0.50	-1.22e-03	-4.82e-06	0.0	48.0	0.06	-2.19	0.01	0.0	4.83e-03	-0.50
54	309	-0.22	4.70e-03	9.58e-05	-3.91	0.0	0.11	1.71	0.01	0.0	-1.12e-03	-0.40
		-0.52	-1.12e-03	-3.95e-06	0.0	48.0	0.11	-2.20	0.01	0.0	4.70e-03	-0.52
54	310	0.08	5.82e-03	1.41e-04	-3.91	0.0	0.11	1.00	0.01	0.0	-1.26e-03	0.02
		-0.44	-1.26e-03	-6.60e-06	0.0	48.0	0.11	-2.90	0.01	0.0	5.82e-03	-0.44
55	45	-0.19	5.30e-03	1.24e-04	-4.55	0.0	0.08	1.33	-0.03	0.0	5.30e-03	-0.30
		-0.87	-0.01	-1.21e-05	0.0	60.0	0.08	-3.22	-0.03	0.0	-0.01	-0.87
55	47	-0.16	7.25e-03	2.21e-04	-4.55	0.0	0.31	0.22	-0.04	0.0	7.25e-03	-0.16
		-1.40	-0.02	-1.77e-05	0.0	60.0	0.31	-4.33	-0.04	0.0	-0.02	-1.40
55	59	-1.16	0.01	3.21e-04	-12.62	0.0	1.03	4.31	-0.07	0.0	0.01	-1.60
		-2.80	-0.03	-1.29e-05	0.0	60.0	1.03	-8.31	-0.07	0.0	-0.03	-2.80
55	76	-0.79	0.01	3.30e-04	-9.65	0.0	0.88	2.14	-0.07	0.0	0.01	-0.93
		-2.54	-0.03	-1.41e-05	0.0	60.0	0.88	-7.50	-0.07	0.0	-0.03	-2.54
55	131	-1.38	0.05	2.84e-04	-4.88	0.0	1.36	1.87	-0.04	0.0	0.05	-1.59
		-1.96	0.02	-1.97e-04	0.0	60.0	1.36	-3.02	-0.04	0.0	0.02	-1.96

55	132	1.43	-0.02	1.15e-04	-4.88	0.0	-0.93	-0.74	-0.06	0.0	-0.02	1.43
		-0.45	-0.06	1.99e-04	0.0	60.0	-0.93	-5.62	-0.06	0.0	-0.06	-0.45
55	137	-2.11	0.03	2.40e-04	-4.88	0.0	2.08	2.90	-0.01	0.0	0.03	-2.62
		-2.62	0.03	-9.32e-05	0.0	60.0	2.08	-1.99	-0.01	0.0	0.03	-2.36
55	140	1.74	-0.02	1.19e-04	-4.88	0.0	-1.12	-0.99	-0.06	0.0	-0.02	1.74
		-0.30	-0.06	7.81e-05	0.0	60.0	-1.12	-5.87	-0.06	0.0	-0.06	-0.30
55	141	-2.21	0.04	2.37e-04	-4.88	0.0	2.05	3.05	-0.02	0.0	0.04	-2.77
		-2.77	0.02	-8.58e-05	0.0	60.0	2.05	-1.83	-0.02	0.0	0.02	-2.42
55	144	1.89	-0.02	1.22e-04	-4.88	0.0	-1.09	-1.14	-0.06	0.0	-0.02	1.89
		-0.24	-0.06	7.08e-05	0.0	60.0	-1.09	-6.02	-0.06	0.0	-0.06	-0.24
55	163	-1.51	0.06	2.98e-04	-4.88	0.0	1.48	1.99	-0.04	0.0	0.06	-1.74
		-2.04	0.02	-2.22e-04	0.0	60.0	1.48	-2.89	-0.04	0.0	0.02	-2.04
55	164	1.68	-0.03	1.06e-04	-4.88	0.0	-1.11	-0.96	-0.06	0.0	-0.03	1.68
		-0.33	-0.06	2.27e-04	0.0	60.0	-1.11	-5.84	-0.06	0.0	-0.06	-0.33
55	169	-2.30	0.04	2.48e-04	-4.88	0.0	2.29	3.15	-0.01	0.0	0.04	-2.90
		-2.90	0.03	-1.05e-04	0.0	60.0	2.29	-1.73	-0.01	0.0	0.03	-2.50
55	172	2.03	-0.03	1.10e-04	-4.88	0.0	-1.33	-1.24	-0.06	0.0	-0.03	2.03
		-0.16	-0.06	8.99e-05	0.0	60.0	-1.33	-6.12	-0.06	0.0	-0.06	-0.16
55	173	-2.40	0.04	2.44e-04	-4.88	0.0	2.25	3.32	-0.01	0.0	0.04	-3.07
		-3.07	0.03	-9.62e-05	0.0	60.0	2.25	-1.56	-0.01	0.0	0.03	-2.56
55	176	2.19	-0.03	1.14e-04	-4.88	0.0	-1.30	-1.41	-0.06	0.0	-0.03	2.19
		-0.10	-0.06	8.12e-05	0.0	60.0	-1.30	-6.29	-0.06	0.0	-0.06	-0.10
55	195	-1.56	0.06	3.01e-04	-4.88	0.0	1.53	2.05	-0.04	0.0	0.06	-1.81
		-2.06	0.03	-2.29e-04	0.0	60.0	1.53	-2.84	-0.04	0.0	0.03	-2.06
55	196	1.74	-0.03	1.01e-04	-4.88	0.0	-1.16	-1.01	-0.06	0.0	-0.03	1.74
		-0.31	-0.07	2.39e-04	0.0	60.0	-1.16	-5.89	-0.06	0.0	-0.07	-0.31
55	201	-2.34	0.04	2.51e-04	-4.88	0.0	2.33	3.19	-0.01	0.0	0.04	-2.96
		-2.96	0.03	-1.10e-04	0.0	60.0	2.33	-1.69	-0.01	0.0	0.03	-2.52
55	204	2.08	-0.03	1.07e-04	-4.88	0.0	-1.37	-1.28	-0.06	0.0	-0.03	2.08
		-0.14	-0.07	9.54e-05	0.0	60.0	-1.37	-6.17	-0.06	0.0	-0.07	-0.14
55	205	-2.43	0.04	2.47e-04	-4.88	0.0	2.29	3.36	-0.01	0.0	0.04	-3.12
		-3.12	0.03	-9.94e-05	0.0	60.0	2.29	-1.52	-0.01	0.0	0.03	-2.58
55	208	2.24	-0.03	1.11e-04	-4.88	0.0	-1.34	-1.45	-0.06	0.0	-0.03	2.24
		-0.08	-0.06	8.43e-05	0.0	60.0	-1.34	-6.33	-0.06	0.0	-0.06	-0.08
55	227	-1.79	0.07	3.25e-04	-4.88	0.0	1.76	2.29	-0.04	0.0	0.07	-2.10
		-2.22	0.04	-2.74e-04	0.0	60.0	1.76	-2.60	-0.04	0.0	0.04	-2.22
55	228	2.17	-0.04	8.42e-05	-4.88	0.0	-1.49	-1.40	-0.07	0.0	-0.04	2.17
		-0.10	-0.08	2.91e-04	0.0	60.0	-1.49	-6.28	-0.07	0.0	-0.08	-0.10
55	233	-2.64	0.04	2.65e-04	-4.88	0.0	2.68	3.61	-7.43e-03	0.0	0.04	-3.43
		-3.43	0.04	-1.32e-04	0.0	60.0	2.68	-1.27	-7.43e-03	0.0	0.04	-2.75
55	236	2.56	-0.03	9.30e-05	-4.88	0.0	-1.72	-1.70	-0.07	0.0	-0.03	2.56
		0.09	-0.08	1.17e-04	0.0	60.0	-1.72	-6.59	-0.07	0.0	-0.08	0.09
55	237	-2.74	0.05	2.61e-04	-4.88	0.0	2.63	3.80	-0.01	0.0	0.05	-3.61
		-3.61	0.04	-1.17e-04	0.0	60.0	2.63	-1.08	-0.01	0.0	0.04	-2.81
55	240	2.74	-0.04	9.73e-05	-4.88	0.0	-1.67	-1.89	-0.06	0.0	-0.04	2.74
		0.15	-0.07	1.02e-04	0.0	60.0	-1.67	-6.77	-0.06	0.0	-0.07	0.15
55	261	-0.27	5.33e-03	1.30e-04	-4.88	0.0	0.19	1.49	-0.03	0.0	5.33e-03	-0.40
		-0.98	-0.01	-9.71e-06	0.0	60.0	0.19	-3.40	-0.03	0.0	-0.01	-0.98
55	271	-0.80	9.10e-03	2.25e-04	-8.84	0.0	0.72	3.01	-0.05	0.0	9.10e-03	-1.11
		-1.95	-0.02	-9.05e-06	0.0	60.0	0.72	-5.83	-0.05	0.0	-0.02	-1.95
55	280	-0.55	7.52e-03	2.30e-04	-6.86	0.0	0.62	1.57	-0.05	0.0	7.52e-03	-0.66
		-1.78	-0.02	-9.85e-06	0.0	60.0	0.62	-5.29	-0.05	0.0	-0.02	-1.78
55	301	-0.46	6.32e-03	1.86e-04	-5.68	0.0	0.51	1.38	-0.04	0.0	6.32e-03	-0.56
		-1.44	-0.02	-7.67e-06	0.0	60.0	0.51	-4.30	-0.04	0.0	-0.02	-1.44
55	304	-0.34	4.83e-03	1.25e-04	-4.88	0.0	0.31	1.57	-0.03	0.0	4.83e-03	-0.50
		-1.02	-0.01	-5.42e-06	0.0	60.0	0.31	-3.32	-0.03	0.0	-0.01	-1.02
55	309	-0.36	4.70e-03	1.23e-04	-4.88	0.0	0.35	1.59	-0.03	0.0	4.70e-03	-0.52
		-1.03	-0.01	-4.35e-06	0.0	60.0	0.35	-3.29	-0.03	0.0	-0.01	-1.03
55	310	-0.38	5.82e-03	1.79e-04	-4.88	0.0	0.48	0.96	-0.04	0.0	5.82e-03	-0.44
		-1.33	-0.02	-7.54e-06	0.0	60.0	0.48	-3.93	-0.04	0.0	-0.02	-1.33
56	4	0.0	0.0	1.69e-04	-7.56	0.0	1.61	9.29	0.07	0.0	-0.03	-2.59
		-2.59	-0.03	-1.25e-05	0.0	47.0	1.61	1.73	0.07	0.0	0.0	0.0
56	36	6.56e-03	0.0	8.33e-05	-8.22	0.0	0.49	7.74	0.04	0.0	-0.02	-1.71
		-1.71	-0.02	-9.49e-06	0.0	47.0	0.49	-0.48	0.04	0.0	0.0	0.0
56	45	0.0	0.0	6.65e-05	-3.57	0.0	0.10	3.64	0.02	0.0	-0.01	-0.87
		-0.87	-0.01	-1.06e-05	0.0	47.0	0.10	0.07	0.02	0.0	0.0	0.0
56	59	0.0	0.0	1.62e-04	-9.88	0.0	1.49	10.90	0.06	0.0	-0.03	-2.80
		-2.80	-0.03	-1.31e-05	0.0	47.0	1.49	1.02	0.06	0.0	0.0	0.0
56	76	0.0	0.0	1.69e-04	-7.56	0.0	1.46	9.18	0.07	0.0	-0.03	-2.54
		-2.54	-0.03	-1.42e-05	0.0	47.0	1.46	1.62	0.07	0.0	0.0	0.0
56	93	0.0	0.0	5.54e-05	-3.57	0.0	0.43	3.71	0.03	0.0	-0.01	-0.90
		-0.90	-0.01	-4.09e-06	0.0	47.0	0.43	0.14	0.03	0.0	0.0	0.0
56	117	0.0	5.34e-03	6.78e-05	-3.83	0.0	3.83	6.22	-0.01	0.0	5.34e-03	-2.03
		-2.03	0.0	-5.30e-05	0.0	47.0	3.83	2.40	-0.01	0.0	0.0	0.0
56	120	0.02	0.0	1.18e-04	-3.83	0.0	-2.25	3.26	0.08	0.0	-0.04	-0.63

		-0.63	-0.04	3.80e-05	0.0	47.0	-2.25	-0.56	0.08	0.0	0.0	0.0
56	129	0.0	0.03	1.63e-04	-3.83	0.0	2.34	6.62	-0.06	0.0	0.03	-2.21
		-2.21	0.0	-1.68e-04	0.0	47.0	2.34	2.79	-0.06	0.0	0.0	0.0
56	132	0.06	0.0	2.29e-05	-3.83	0.0	-0.76	2.87	0.13	0.0	-0.06	-0.45
		-0.45	-0.06	1.53e-04	0.0	47.0	-0.76	-0.96	0.13	0.0	0.0	0.0
56	141	0.0	0.02	1.57e-04	-3.83	0.0	2.38	7.06	-0.05	0.0	0.02	-2.42
		-2.42	0.0	-6.51e-05	0.0	47.0	2.38	3.23	-0.05	0.0	0.0	0.0
56	144	0.12	0.0	2.86e-05	-3.83	0.0	-0.80	2.43	0.12	0.0	-0.06	-0.24
		-0.24	-0.06	5.01e-05	0.0	47.0	-0.80	-1.40	0.12	0.0	0.0	0.0
56	149	0.0	8.23e-03	6.50e-05	-3.83	0.0	4.20	6.41	-0.02	0.0	8.23e-03	-2.11
		-2.11	0.0	-5.99e-05	0.0	47.0	4.20	2.59	-0.02	0.0	0.0	0.0
56	152	0.03	0.0	1.20e-04	-3.83	0.0	-2.63	3.07	0.09	0.0	-0.04	-0.54
		-0.54	-0.04	4.48e-05	0.0	47.0	-2.63	-0.75	0.09	0.0	0.0	0.0
56	161	0.0	0.03	1.72e-04	-3.83	0.0	2.53	6.86	-0.07	0.0	0.03	-2.33
		-2.33	0.0	-1.89e-04	0.0	47.0	2.53	3.04	-0.07	0.0	0.0	0.0
56	164	0.09	0.0	1.38e-05	-3.83	0.0	-0.95	2.62	0.14	0.0	-0.06	-0.33
		-0.33	-0.06	1.74e-04	0.0	47.0	-0.95	-1.20	0.14	0.0	0.0	0.0
56	173	0.0	0.03	1.65e-04	-3.83	0.0	2.58	7.36	-0.06	0.0	0.03	-2.56
		-2.56	0.0	-7.28e-05	0.0	47.0	2.58	3.53	-0.06	0.0	0.0	0.0
56	176	0.18	0.0	2.01e-05	-3.83	0.0	-1.00	2.13	0.13	0.0	-0.06	-0.10
		-0.10	-0.06	5.77e-05	0.0	47.0	-1.00	-1.70	0.13	0.0	0.0	0.0
56	181	0.0	8.98e-03	6.73e-05	-3.83	0.0	4.17	6.43	-0.02	0.0	8.98e-03	-2.12
		-2.12	0.0	-6.61e-05	0.0	47.0	4.17	2.61	-0.02	0.0	0.0	0.0
56	184	0.04	0.0	1.18e-04	-3.83	0.0	-2.59	3.05	0.09	0.0	-0.04	-0.53
		-0.53	-0.04	5.10e-05	0.0	47.0	-2.59	-0.78	0.09	0.0	0.0	0.0
56	193	0.0	0.03	1.73e-04	-3.83	0.0	2.54	6.92	-0.07	0.0	0.03	-2.35
		-2.35	0.0	-1.98e-04	0.0	47.0	2.54	3.09	-0.07	0.0	0.0	0.0
56	196	0.10	0.0	1.20e-05	-3.83	0.0	-0.96	2.57	0.14	0.0	-0.07	-0.31
		-0.31	-0.07	1.83e-04	0.0	47.0	-0.96	-1.26	0.14	0.0	0.0	0.0
56	205	0.0	0.03	1.67e-04	-3.83	0.0	2.60	7.40	-0.06	0.0	0.03	-2.58
		-2.58	0.0	-7.51e-05	0.0	47.0	2.60	3.58	-0.06	0.0	0.0	0.0
56	208	0.19	0.0	1.85e-05	-3.83	0.0	-1.02	2.08	0.14	0.0	-0.06	-0.08
		-0.08	-0.06	6.00e-05	0.0	47.0	-1.02	-1.74	0.14	0.0	0.0	0.0
56	213	0.0	0.01	6.41e-05	-3.83	0.0	4.74	6.75	-0.03	0.0	0.01	-2.27
		-2.27	0.0	-8.05e-05	0.0	47.0	4.74	2.92	-0.03	0.0	0.0	0.0
56	216	0.07	0.0	1.21e-04	-3.83	0.0	-3.16	2.74	0.10	0.0	-0.05	-0.39
		-0.39	-0.05	6.54e-05	0.0	47.0	-3.16	-1.09	0.10	0.0	0.0	0.0
56	225	0.0	0.04	1.89e-04	-3.83	0.0	2.86	7.35	-0.09	0.0	0.04	-2.56
		-2.56	0.0	-2.38e-04	0.0	47.0	2.86	3.53	-0.09	0.0	0.0	0.0
56	228	0.18	0.0	-6.90e-06	-3.83	0.0	-1.28	2.13	0.16	0.0	-0.08	-0.10
		-0.10	-0.08	2.23e-04	0.0	47.0	-1.28	-1.69	0.16	0.0	0.0	0.0
56	237	0.0	0.04	1.81e-04	-3.83	0.0	2.93	7.89	-0.08	0.0	0.04	-2.81
		-2.81	0.0	-8.82e-05	0.0	47.0	2.93	4.07	-0.08	0.0	0.0	0.0
56	240	0.31	0.0	4.40e-06	-3.83	0.0	-1.35	1.59	0.15	0.0	-0.07	0.15
		0.0	-0.07	7.32e-05	0.0	47.0	-1.35	-2.24	0.15	0.0	0.0	0.0
56	244	0.0	0.0	1.18e-04	-5.38	0.0	1.12	6.55	0.05	0.0	-0.02	-1.81
		-1.81	-0.02	-8.74e-06	0.0	47.0	1.12	1.17	0.05	0.0	0.0	0.0
56	261	0.0	0.0	6.82e-05	-3.83	0.0	0.27	3.99	0.02	0.0	-0.01	-0.98
		-0.98	-0.01	-8.75e-06	0.0	47.0	0.27	0.16	0.02	0.0	0.0	0.0
56	271	0.0	0.0	1.13e-04	-6.93	0.0	1.03	7.62	0.04	0.0	-0.02	-1.95
		-1.95	-0.02	-9.14e-06	0.0	47.0	1.03	0.69	0.04	0.0	0.0	0.0
56	280	0.0	0.0	1.18e-04	-5.38	0.0	1.02	6.47	0.05	0.0	-0.02	-1.78
		-1.78	-0.02	-9.91e-06	0.0	47.0	1.02	1.09	0.05	0.0	0.0	0.0
56	285	0.0	0.0	6.08e-05	-3.83	0.0	0.49	4.04	0.03	0.0	-0.01	-1.00
		-1.00	-0.01	-4.43e-06	0.0	47.0	0.49	0.21	0.03	0.0	0.0	0.0
56	298	0.0	0.0	9.77e-05	-3.83	0.0	0.83	4.85	0.04	0.0	-0.02	-1.38
		-1.38	-0.02	-8.03e-06	0.0	47.0	0.83	1.02	0.04	0.0	0.0	0.0
56	301	0.0	0.0	9.54e-05	-4.45	0.0	0.82	5.28	0.04	0.0	-0.02	-1.44
		-1.44	-0.02	-7.73e-06	0.0	47.0	0.82	0.83	0.04	0.0	0.0	0.0
56	304	0.0	0.0	6.39e-05	-3.83	0.0	0.48	4.08	0.03	0.0	-0.01	-1.02
		-1.02	-0.01	-5.40e-06	0.0	47.0	0.48	0.26	0.03	0.0	0.0	0.0
56	308	0.0	0.0	6.24e-05	-3.83	0.0	0.52	4.09	0.03	0.0	-0.01	-1.02
		-1.02	-0.01	-4.54e-06	0.0	47.0	0.52	0.27	0.03	0.0	0.0	0.0
56	309	0.0	0.0	6.28e-05	-3.83	0.0	0.53	4.10	0.03	0.0	-0.01	-1.03
		-1.03	-0.01	-4.56e-06	0.0	47.0	0.53	0.28	0.03	0.0	0.0	0.0
56	310	0.0	0.0	9.27e-05	-3.83	0.0	0.79	4.74	0.04	0.0	-0.02	-1.33
		-1.33	-0.02	-7.53e-06	0.0	47.0	0.79	0.92	0.04	0.0	0.0	0.0
57	3	-3.04	6.23e-03	-4.07e-04	-79.22	0.0	0.06	-62.12	-3.36e-03	0.0	6.23e-03	-3.04
		-150.55	1.35e-03	-3.75e-06	0.0	145.0	0.06	-141.34	-3.36e-03	0.0	1.35e-03	-150.55
57	19	-0.81	-1.09e-03	-1.09e-04	-21.11	0.0	0.01	-16.59	0.02	0.0	-0.04	-0.81
		-40.17	-0.04	6.02e-06	0.0	145.0	0.01	-37.70	0.02	0.0	-1.09e-03	-40.17
57	36	-0.78	0.07	-1.64e-04	-21.11	0.0	0.06	-15.90	-0.05	0.0	0.07	-0.78
		-39.14	3.21e-03	-1.45e-05	0.0	145.0	0.06	-37.01	-0.05	0.0	3.21e-03	-39.14
57	44	-2.47	0.13	-3.78e-04	-65.13	0.0	0.10	-50.45	-0.08	0.0	0.13	-2.47
		-122.83	6.03e-03	-2.60e-05	0.0	145.0	0.10	-115.58	-0.08	0.0	6.03e-03	-122.83

57	69	-0.81	1.68e-03	-1.17e-04	-21.11	0.0	-1.59	-16.58	0.01	0.0	-0.02	-0.81
		-40.16	-0.02	-2.85e-06	0.0	145.0	-1.59	-37.69	0.01	0.0	1.68e-03	-40.16
57	92	-2.48	0.04	-3.61e-04	-65.13	0.0	0.88	-50.70	-0.03	0.0	0.04	-2.48
		-123.21	1.74e-03	-8.15e-06	0.0	145.0	0.88	-115.83	-0.03	0.0	1.74e-03	-123.21
57	113	-1.76	-0.03	6.40e-05	-41.99	0.0	-0.44	-36.22	0.78	0.0	-1.17	-1.76
		-84.72	-1.17	-1.90e-04	0.0	145.0	-0.44	-78.21	0.78	0.0	-0.03	-84.72
57	114	-1.71	-0.04	-5.94e-05	-41.99	0.0	-0.62	-35.10	0.64	0.0	-0.95	-1.71
		-83.04	-0.95	-7.08e-05	0.0	145.0	-0.62	-77.09	0.64	0.0	-0.04	-83.04
57	115	-1.50	0.99	-3.85e-04	-41.99	0.0	0.70	-30.55	-0.66	0.0	0.99	-1.50
		-76.24	0.04	6.07e-05	0.0	145.0	0.70	-72.54	-0.66	0.0	0.04	-76.24
57	116	-1.45	1.20	-4.24e-04	-41.99	0.0	0.52	-29.43	-0.80	0.0	1.20	-1.45
		-74.56	0.03	1.80e-04	0.0	145.0	0.52	-71.42	-0.80	0.0	0.03	-74.56
57	145	-1.79	-0.04	8.10e-05	-41.99	0.0	-0.49	-36.65	0.88	0.0	-1.31	-1.79
		-85.36	-1.31	-2.14e-04	0.0	145.0	-0.49	-78.63	0.88	0.0	-0.04	-85.36
57	146	-1.72	-0.04	4.92e-05	-41.99	0.0	-0.70	-35.37	0.72	0.0	-1.07	-1.72
		-83.46	-1.07	-7.86e-05	0.0	145.0	-0.70	-77.36	0.72	0.0	-0.04	-83.46
57	147	-1.49	1.11	-4.05e-04	-41.99	0.0	0.78	-30.27	-0.74	0.0	1.11	-1.49
		-75.83	0.04	6.85e-05	0.0	145.0	0.78	-72.26	-0.74	0.0	0.04	-75.83
57	148	-1.42	1.35	-4.49e-04	-41.99	0.0	0.57	-29.00	-0.90	0.0	1.35	-1.42
		-73.92	0.04	2.04e-04	0.0	145.0	0.57	-70.99	-0.90	0.0	0.04	-73.92
57	177	-1.79	-0.04	7.96e-05	-41.99	0.0	-0.47	-36.64	0.87	0.0	-1.30	-1.79
		-85.36	-1.30	-2.16e-04	0.0	145.0	-0.47	-78.63	0.87	0.0	-0.04	-85.36
57	178	-1.72	-0.04	4.68e-05	-41.99	0.0	-0.68	-35.32	0.70	0.0	-1.05	-1.72
		-83.37	-1.05	-7.57e-05	0.0	145.0	-0.68	-77.31	0.70	0.0	-0.04	-83.37
57	179	-1.49	1.09	-4.01e-04	-41.99	0.0	0.76	-30.33	-0.73	0.0	1.09	-1.49
		-75.91	0.04	6.56e-05	0.0	145.0	0.76	-72.32	-0.73	0.0	0.04	-75.91
57	180	-1.43	1.34	-4.47e-04	-41.99	0.0	0.55	-29.01	-0.89	0.0	1.34	-1.43
		-73.93	0.04	2.06e-04	0.0	145.0	0.55	-71.00	-0.89	0.0	0.04	-73.93
57	209	-1.82	-0.04	1.08e-04	-41.99	0.0	-0.55	-37.32	1.02	0.0	-1.52	-1.82
		-86.37	-1.52	-2.55e-04	0.0	145.0	-0.55	-79.30	1.02	0.0	-0.04	-86.37
57	210	-1.74	-0.05	6.63e-05	-41.99	0.0	-0.81	-35.72	0.82	0.0	-1.23	-1.74
		-83.97	-1.23	-8.57e-05	0.0	145.0	-0.81	-77.71	0.82	0.0	-0.05	-83.97
57	211	-1.47	1.26	-4.30e-04	-41.99	0.0	0.89	-29.93	-0.84	0.0	1.26	-1.47
		-75.31	0.05	7.55e-05	0.0	145.0	0.89	-71.92	-0.84	0.0	0.05	-75.31
57	212	-1.39	1.56	-4.86e-04	-41.99	0.0	0.63	-28.33	-1.04	0.0	1.56	-1.39
		-72.92	0.04	2.45e-04	0.0	145.0	0.63	-70.32	-1.04	0.0	0.04	-72.92
57	243	-2.09	5.26e-03	-2.80e-04	-54.52	0.0	0.04	-42.74	-2.95e-03	0.0	5.26e-03	-2.09
		-103.59	9.77e-04	-2.76e-06	0.0	145.0	0.04	-97.26	-2.95e-03	0.0	9.77e-04	-103.59
57	248	-0.89	-3.78e-04	-1.24e-04	-23.20	0.0	0.02	-18.16	0.01	0.0	-0.02	-0.89
		-44.04	-0.02	2.80e-06	0.0	145.0	0.02	-41.36	0.01	0.0	-3.78e-04	-44.04
57	257	-0.86	0.05	-1.61e-04	-23.20	0.0	0.05	-17.70	-0.03	0.0	0.05	-0.86
		-43.34	2.49e-03	-1.09e-05	0.0	145.0	0.05	-40.89	-0.03	0.0	2.49e-03	-43.34
57	264	-1.71	0.08	-2.61e-04	-45.12	0.0	0.07	-34.96	-0.06	0.0	0.08	-1.71
		-85.11	4.10e-03	-1.76e-05	0.0	145.0	0.07	-80.08	-0.06	0.0	4.10e-03	-85.11
57	273	-0.89	1.47e-03	-1.29e-04	-23.20	0.0	-1.05	-18.15	6.30e-03	0.0	-7.66e-03	-0.89
		-44.03	-7.66e-03	-3.11e-06	0.0	145.0	-1.05	-41.35	6.30e-03	0.0	1.47e-03	-44.03
57	288	-1.72	0.03	-2.50e-04	-45.12	0.0	0.59	-35.12	-0.02	0.0	0.03	-1.72
		-85.36	1.24e-03	-5.70e-06	0.0	145.0	0.59	-80.24	-0.02	0.0	1.24e-03	-85.36
57	298	-1.73	0.02	-2.37e-04	-45.12	0.0	0.04	-35.29	-0.01	0.0	0.02	-1.73
		-85.60	1.50e-03	-5.38e-06	0.0	145.0	0.04	-80.41	-0.01	0.0	1.50e-03	-85.60
57	299	-0.88	0.01	-1.35e-04	-23.20	0.0	0.03	-18.01	-7.86e-03	0.0	0.01	-0.88
		-43.81	9.21e-04	-3.27e-06	0.0	145.0	0.03	-41.20	-7.86e-03	0.0	9.21e-04	-43.81
57	302	-0.88	5.77e-03	-1.28e-04	-23.20	0.0	0.03	-18.07	-3.53e-03	0.0	5.77e-03	-0.88
		-43.91	6.58e-04	-1.97e-06	0.0	145.0	0.03	-41.27	-3.53e-03	0.0	6.58e-04	-43.91
57	305	-1.60	0.03	-2.24e-04	-41.99	0.0	0.04	-32.78	-0.02	0.0	0.03	-1.60
		-79.58	1.94e-03	-7.45e-06	0.0	145.0	0.04	-74.77	-0.02	0.0	1.94e-03	-79.58
57	306	-0.88	8.19e-03	-1.30e-04	-23.20	0.0	-0.19	-18.07	-4.94e-03	0.0	8.19e-03	-0.88
		-43.90	1.03e-03	-3.15e-06	0.0	145.0	-0.19	-41.27	-4.94e-03	0.0	1.03e-03	-43.90
57	308	-0.88	0.01	-1.30e-04	-23.20	0.0	0.14	-18.04	-9.15e-03	0.0	0.01	-0.88
		-43.86	8.61e-04	-3.16e-06	0.0	145.0	0.14	-41.24	-9.15e-03	0.0	8.61e-04	-43.86
57	309	-0.88	0.01	-1.30e-04	-23.20	0.0	0.03	-18.05	-7.75e-03	0.0	0.01	-0.88
		-43.87	9.17e-04	-3.16e-06	0.0	145.0	0.03	-41.25	-7.75e-03	0.0	9.17e-04	-43.87
57	310	-1.61	0.02	-2.22e-04	-41.99	0.0	0.04	-32.82	-0.01	0.0	0.02	-1.61
		-79.64	1.42e-03	-5.07e-06	0.0	145.0	0.04	-74.81	-0.01	0.0	1.42e-03	-79.64
58	19	-0.96	-2.06e-03	-3.30e-05	-3.19	0.0	0.29	4.69	0.01	7.88e-03	-9.43e-03	-2.68
		-2.68	-9.43e-03	1.41e-06	0.0	55.4	0.29	1.50	0.01	7.88e-03	-2.06e-03	-0.96
58	45	-1.70	0.04	1.57e-05	-3.19	0.0	-0.11	2.04	-0.08	-9.12e-03	0.04	-2.06
		-2.06	-2.54e-03	-4.33e-06	0.0	55.4	-0.11	-1.15	-0.08	-9.12e-03	-2.54e-03	-1.82
58	51	-4.58	0.04	-7.18e-05	-11.84	0.0	0.44	15.33	-0.10	-2.55e-03	0.04	-9.79
		-9.79	-0.01	0.0	0.0	55.4	0.44	3.49	-0.10	-2.55e-03	-0.01	-4.58
58	68	-3.76	0.06	-6.80e-05	-9.74	0.0	0.50	12.86	-0.12	-0.02	0.06	-8.19
		-8.19	-0.01	0.0	0.0	55.4	0.50	3.12	-0.12	-0.02	-0.01	-3.76
58	114	1.77	0.03	-2.15e-04	-6.29	0.0	-2.72	18.41	0.61	0.25	-0.31	-6.69
		-6.69	-0.31	3.62e-05	0.0	55.4	-2.72	12.12	0.61	0.25	0.03	1.77
58	115	-3.38	0.33	1.49e-04	-6.29	0.0	3.15	-2.79	-0.67	-0.24	0.33	-3.38

		-6.69	-0.04	-3.82e-05	0.0	55.4	3.15	-9.08	-0.67	-0.24	-0.04	-6.69
58	121	3.07	-5.61e-03	-3.55e-04	-6.29	0.0	-0.55	24.67	0.24	0.02	-0.14	-8.89
		-8.89	-0.14	-1.85e-05	0.0	55.4	-0.55	18.38	0.24	0.02	-5.61e-03	3.07
58	138	-1.96	0.05	7.43e-05	-6.29	0.0	-2.11	3.70	0.68	0.39	-0.33	-2.53
		-2.53	-0.33	1.86e-05	0.0	55.4	-2.11	-2.59	0.68	0.39	0.05	-2.28
58	139	-2.63	0.36	-1.40e-04	-6.29	0.0	2.53	11.92	-0.74	-0.38	0.36	-7.55
		-7.55	-0.05	-2.06e-05	0.0	55.4	2.53	5.62	-0.74	-0.38	-0.05	-2.63
58	141	0.29	0.22	-2.91e-04	-6.29	0.0	1.42	20.15	-0.47	-0.30	0.22	-9.20
		-9.20	-0.04	-1.46e-05	0.0	55.4	1.42	13.86	-0.47	-0.30	-0.04	0.29
58	146	2.29	0.04	-2.37e-04	-6.29	0.0	-3.08	19.70	0.69	0.28	-0.34	-6.89
		-6.89	-0.34	4.04e-05	0.0	55.4	-3.08	13.41	0.69	0.28	0.04	2.29
58	147	-3.18	0.37	1.72e-04	-6.29	0.0	3.51	-4.09	-0.74	-0.27	0.37	-3.18
		-7.21	-0.04	-4.23e-05	0.0	55.4	3.51	-10.38	-0.74	-0.27	-0.04	-7.21
58	153	3.76	-5.97e-03	-3.96e-04	-6.29	0.0	-0.64	26.78	0.28	0.03	-0.16	-9.38
		-9.38	-0.16	-2.08e-05	0.0	55.4	-0.64	20.49	0.28	0.03	-5.97e-03	3.76
58	170	-1.79	0.05	8.90e-05	-6.29	0.0	-2.40	3.12	0.77	0.44	-0.38	-2.19
		-2.27	-0.38	2.10e-05	0.0	55.4	-2.40	-3.17	0.77	0.44	0.05	-2.27
58	171	-2.65	0.40	-1.55e-04	-6.29	0.0	2.82	12.49	-0.83	-0.43	0.40	-7.88
		-7.88	-0.06	-2.29e-05	0.0	55.4	2.82	6.20	-0.83	-0.43	-0.06	-2.65
58	173	0.64	0.24	-3.25e-04	-6.29	0.0	1.58	21.75	-0.53	-0.34	0.24	-9.74
		-9.74	-0.05	-1.65e-05	0.0	55.4	1.58	15.46	-0.53	-0.34	-0.05	0.64
58	185	3.68	-6.81e-03	-3.93e-04	-6.29	0.0	-0.60	26.62	0.26	0.02	-0.15	-9.37
		-9.37	-0.15	-2.18e-05	0.0	55.4	-0.60	20.33	0.26	0.02	-6.81e-03	3.68
58	194	-1.94	0.06	8.09e-05	-6.29	0.0	-3.05	3.39	0.77	0.43	-0.37	-2.38
		-2.38	-0.37	7.81e-05	0.0	55.4	-3.05	-2.90	0.77	0.43	0.06	-2.36
58	195	-2.55	0.40	-1.46e-04	-6.29	0.0	3.47	12.23	-0.83	-0.42	0.40	-7.70
		-7.70	-0.06	-8.00e-05	0.0	55.4	3.47	5.93	-0.83	-0.42	-0.06	-2.55
58	202	-1.76	0.05	9.60e-05	-6.29	0.0	-2.37	2.80	0.78	0.45	-0.38	-2.08
		-2.33	-0.38	2.06e-05	0.0	55.4	-2.37	-3.49	0.78	0.45	0.05	-2.33
58	203	-2.58	0.40	-1.62e-04	-6.29	0.0	2.79	12.82	-0.84	-0.44	0.40	-8.00
		-8.00	-0.06	-2.26e-05	0.0	55.4	2.79	6.53	-0.84	-0.44	-0.06	-2.58
58	205	0.65	0.25	-3.30e-04	-6.29	0.0	1.58	21.95	-0.54	-0.35	0.25	-9.84
		-9.84	-0.05	-1.74e-05	0.0	55.4	1.58	15.66	-0.54	-0.35	-0.05	0.65
58	217	4.69	-7.98e-03	-4.55e-04	-6.29	0.0	-0.70	29.79	0.30	0.02	-0.17	-10.12
		-10.12	-0.17	-2.61e-05	0.0	55.4	-0.70	23.50	0.30	0.02	-7.98e-03	4.69
58	226	-1.61	0.07	1.07e-04	-6.29	0.0	-3.67	2.32	0.92	0.52	-0.45	-1.80
		-2.39	-0.45	9.36e-05	0.0	55.4	-3.67	-3.97	0.92	0.52	0.07	-2.39
58	227	-2.52	0.47	-1.73e-04	-6.29	0.0	4.09	13.29	-0.98	-0.50	0.47	-8.27
		-8.27	-0.07	-9.56e-05	0.0	55.4	4.09	7.00	-0.98	-0.50	-0.07	-2.52
58	234	-1.39	0.07	1.22e-04	-6.29	0.0	-2.83	1.74	0.93	0.53	-0.45	-1.50
		-2.34	-0.45	2.40e-05	0.0	55.4	-2.83	-4.55	0.93	0.53	0.07	-2.34
58	235	-2.57	0.48	-1.88e-04	-6.29	0.0	3.25	13.87	-0.99	-0.52	0.48	-8.57
		-8.57	-0.07	-2.60e-05	0.0	55.4	3.25	7.58	-0.99	-0.52	-0.07	-2.57
58	237	1.20	0.30	-3.84e-04	-6.29	0.0	1.84	24.53	-0.64	-0.42	0.30	-10.73
		-10.73	-0.06	-2.07e-05	0.0	55.4	1.84	18.24	-0.64	-0.42	-0.06	1.20
58	248	-1.18	-2.32e-03	-2.92e-05	-3.50	0.0	0.26	4.79	9.59e-04	6.11e-03	-2.85e-03	-2.86
		-2.86	-2.85e-03	0.0	0.0	55.4	0.26	1.29	9.59e-04	6.11e-03	-2.32e-03	-1.18
58	261	-1.73	0.03	3.32e-06	-3.50	0.0	-0.01	3.02	-0.06	-5.22e-03	0.03	-2.45
		-2.45	-2.64e-03	-3.09e-06	0.0	55.4	-0.01	-0.48	-0.06	-5.22e-03	-2.64e-03	-1.75
58	267	-3.15	0.03	-4.93e-05	-8.15	0.0	0.31	10.52	-0.07	-1.47e-03	0.03	-6.72
		-6.72	-6.99e-03	0.0	0.0	55.4	0.31	2.36	-0.07	-1.47e-03	-6.99e-03	-3.15
58	276	-2.61	0.04	-4.67e-05	-6.76	0.0	0.35	8.88	-0.08	-0.01	0.04	-5.65
		-5.65	-8.31e-03	0.0	0.0	55.4	0.35	2.12	-0.08	-0.01	-8.31e-03	-2.61
58	298	-2.64	0.01	-3.52e-05	-6.76	0.0	0.22	8.41	-0.03	6.07e-03	0.01	-5.42
		-5.42	-3.99e-03	-1.06e-06	0.0	55.4	0.22	1.65	-0.03	6.07e-03	-3.99e-03	-2.64
58	302	-1.33	6.52e-03	-2.05e-05	-3.50	0.0	0.19	4.32	-0.02	3.09e-03	6.52e-03	-2.75
		-2.75	-2.41e-03	0.0	0.0	55.4	0.19	0.82	-0.02	3.09e-03	-2.41e-03	-1.33
58	304	-1.45	0.01	-1.40e-05	-3.50	0.0	0.13	3.96	-0.03	8.25e-04	0.01	-2.67
		-2.67	-2.47e-03	-1.05e-06	0.0	55.4	0.13	0.46	-0.03	8.25e-04	-2.47e-03	-1.45
58	307	-2.45	0.02	-3.51e-05	-6.29	0.0	0.24	7.91	-0.04	2.49e-03	0.02	-5.08
		-5.08	-4.54e-03	0.0	0.0	55.4	0.24	1.62	-0.04	2.49e-03	-4.54e-03	-2.45
58	309	-1.37	8.86e-03	-1.83e-05	-3.50	0.0	0.17	4.20	-0.02	2.34e-03	8.86e-03	-2.73
		-2.73	-2.43e-03	0.0	0.0	55.4	0.17	0.70	-0.02	2.34e-03	-2.43e-03	-1.37
58	310	-2.46	0.01	-3.28e-05	-6.29	0.0	0.21	7.81	-0.03	5.54e-03	0.01	-5.04
		-5.04	-3.77e-03	0.0	0.0	55.4	0.21	1.52	-0.03	5.54e-03	-3.77e-03	-2.46
59	19	-0.38	-1.25e-03	-1.75e-05	-3.19	0.0	0.47	2.59	2.84e-03	4.23e-03	-2.57e-03	-0.96
		-0.96	-2.57e-03	1.15e-06	0.0	55.4	0.47	-0.60	2.84e-03	4.23e-03	-1.25e-03	-0.41
59	28	-2.25	-3.47e-03	-4.98e-05	-11.84	0.0	-1.12	10.83	6.97e-03	1.81e-04	-7.43e-03	-4.99
		-4.99	-7.43e-03	-5.12e-06	0.0	55.4	-1.12	-1.01	6.97e-03	1.81e-04	-3.47e-03	-2.27
59	44	-2.05	-2.59e-03	-3.94e-05	-9.74	0.0	-1.52	9.10	5.30e-03	-4.06e-03	-5.95e-03	-4.40
		-4.40	-5.95e-03	-6.20e-06	0.0	55.4	-1.52	-0.64	5.30e-03	-4.06e-03	-2.59e-03	-2.06
59	68	-1.45	-9.13e-03	-5.60e-05	-9.74	0.0	-0.27	9.02	1.46e-03	-9.27e-03	-0.01	-3.76
		-3.76	-0.01	0.0	0.0	55.4	-0.27	-0.73	1.46e-03	-9.27e-03	-9.13e-03	-1.46
59	69	-0.32	-6.19e-03	-2.73e-05	-3.19	0.0	-0.04	3.13	-2.62e-03	-0.01	-6.19e-03	-1.17
		-1.17	-6.86e-03	1.14e-06	0.0	55.4	-0.04	-0.06	-2.62e-03	-0.01	-6.86e-03	-0.32

59	93	-0.68	2.02e-03	-9.62e-06	-3.19	0.0	-0.16	2.64	4.76e-03	6.84e-03	-2.46e-04	-1.28
		-1.28	-2.46e-04	-1.74e-06	0.0	55.4	-0.16	-0.55	4.76e-03	6.84e-03	2.02e-03	-0.71
59	124	-4.68	8.04e-03	3.12e-05	-6.29	0.0	-0.96	8.95	0.02	-2.23e-03	-1.96e-03	-7.98
		-7.98	-1.96e-03	1.62e-05	0.0	55.4	-0.96	2.66	0.02	-2.23e-03	8.04e-03	-4.68
59	125	3.28	-5.93e-03	-9.04e-05	-6.29	0.0	0.43	2.32	-9.76e-03	7.78e-03	-5.93e-03	3.06
		2.56	-0.01	-4.58e-06	0.0	55.4	0.43	-3.97	-9.76e-03	7.78e-03	-0.01	2.56
59	129	2.10	-0.02	-1.40e-04	-6.29	0.0	1.43	7.11	-0.02	-0.11	-0.02	0.16
		0.16	-0.03	-6.46e-05	0.0	55.4	1.43	0.82	-0.02	-0.11	-0.03	2.10
59	132	-4.16	0.03	8.37e-05	-6.29	0.0	-1.86	4.08	0.03	0.11	0.01	-5.07
		-5.07	0.01	6.17e-05	0.0	55.4	-1.86	-2.21	0.03	0.11	0.03	-4.29
59	137	2.34	-0.02	-1.50e-04	-6.29	0.0	1.12	7.35	-0.02	-0.11	-0.02	0.13
		0.13	-0.04	-1.60e-05	0.0	55.4	1.12	1.06	-0.02	-0.11	-0.04	2.34
59	140	-4.32	0.03	9.44e-05	-6.29	0.0	-1.55	3.84	0.03	0.11	0.01	-5.04
		-5.04	0.01	1.31e-05	0.0	55.4	-1.55	-2.45	0.03	0.11	0.03	-4.53
59	156	-5.13	9.35e-03	3.89e-05	-6.29	0.0	-1.05	9.36	0.02	-2.50e-03	-1.63e-03	-8.67
		-8.67	-1.63e-03	1.86e-05	0.0	55.4	-1.05	3.07	0.02	-2.50e-03	9.35e-03	-5.13
59	157	3.89	-6.22e-03	-9.85e-05	-6.29	0.0	0.51	1.92	-0.01	8.14e-03	-6.22e-03	3.75
		3.02	-0.01	-5.02e-06	0.0	55.4	0.51	-4.37	-0.01	8.14e-03	-0.01	3.02
59	161	2.52	-0.02	-1.55e-04	-6.29	0.0	1.64	7.32	-0.02	-0.12	-0.02	0.49
		0.49	-0.04	-7.34e-05	0.0	55.4	1.64	1.03	-0.02	-0.12	-0.04	2.52
59	164	-4.56	0.04	9.86e-05	-6.29	0.0	-2.07	3.87	0.03	0.13	0.02	-5.40
		-5.40	0.02	7.04e-05	0.0	55.4	-2.07	-2.42	0.03	0.13	0.04	-4.71
59	169	2.79	-0.02	-1.67e-04	-6.29	0.0	1.28	7.59	-0.02	-0.12	-0.02	0.46
		0.46	-0.04	-1.82e-05	0.0	55.4	1.28	1.30	-0.02	-0.12	-0.04	2.79
59	172	-4.72	0.04	1.11e-04	-6.29	0.0	-1.72	3.60	0.03	0.13	0.02	-5.37
		-5.37	0.02	1.52e-05	0.0	55.4	-1.72	-2.69	0.03	0.13	0.04	-4.98
59	188	-5.12	9.74e-03	3.98e-05	-6.29	0.0	-1.01	9.25	0.02	-1.22e-04	-1.14e-03	-8.59
		-8.59	-1.14e-03	1.97e-05	0.0	55.4	-1.01	2.96	0.02	-1.22e-04	9.74e-03	-5.12
59	189	3.83	-6.66e-03	-9.91e-05	-6.29	0.0	0.47	2.02	-0.01	6.24e-03	-6.66e-03	3.67
		3.00	-0.01	-5.31e-06	0.0	55.4	0.47	-4.28	-0.01	6.24e-03	-0.01	3.00
59	193	2.63	-0.02	-1.60e-04	-6.29	0.0	1.66	7.45	-0.02	-0.13	-0.02	0.50
		0.50	-0.04	-7.80e-05	0.0	55.4	1.66	1.16	-0.02	-0.13	-0.04	2.63
59	196	-4.63	0.04	1.04e-04	-6.29	0.0	-2.10	3.74	0.03	0.13	0.02	-5.42
		-5.42	0.02	7.51e-05	0.0	55.4	-2.10	-2.55	0.03	0.13	0.04	-4.82
59	201	2.87	-0.02	-1.71e-04	-6.29	0.0	1.29	7.69	-0.03	-0.12	-0.02	0.47
		0.47	-0.04	-2.04e-05	0.0	55.4	1.29	1.40	-0.03	-0.12	-0.04	2.87
59	204	-4.78	0.04	1.15e-04	-6.29	0.0	-1.72	3.50	0.03	0.13	0.02	-5.38
		-5.38	0.02	1.74e-05	0.0	55.4	-1.72	-2.79	0.03	0.13	0.04	-5.07
59	220	-5.81	0.01	5.25e-05	-6.29	0.0	-1.15	9.81	0.02	1.31e-03	-3.29e-04	-9.60
		-9.60	-3.29e-04	2.42e-05	0.0	55.4	-1.15	3.52	0.02	1.31e-03	0.01	-5.81
59	221	4.75	-7.30e-03	-1.12e-04	-6.29	0.0	0.58	1.46	-0.01	5.61e-03	-7.30e-03	4.67
		3.69	-0.02	-6.15e-06	0.0	55.4	0.58	-4.83	-0.01	5.61e-03	-0.02	3.69
59	225	3.37	-0.03	-1.87e-04	-6.29	0.0	2.03	7.87	-0.03	-0.15	-0.03	1.04
		1.04	-0.05	-9.49e-05	0.0	55.4	2.03	1.58	-0.03	-0.15	-0.05	3.37
59	228	-5.30	0.04	1.31e-04	-6.29	0.0	-2.47	3.32	0.03	0.16	0.02	-5.96
		-5.96	0.02	9.19e-05	0.0	55.4	-2.47	-2.97	0.03	0.16	0.04	-5.57
59	233	3.62	-0.03	-1.98e-04	-6.29	0.0	1.57	8.12	-0.03	-0.15	-0.03	0.99
		0.99	-0.05	-2.50e-05	0.0	55.4	1.57	1.82	-0.03	-0.15	-0.05	3.62
59	236	-5.43	0.05	1.42e-04	-6.29	0.0	-2.00	3.08	0.04	0.15	0.02	-5.91
		-5.91	0.02	2.20e-05	0.0	55.4	-2.00	-3.21	0.04	0.15	0.05	-5.82
59	248	-0.50	-1.26e-03	-1.81e-05	-3.50	0.0	0.26	2.94	2.84e-03	3.12e-03	-2.67e-03	-1.18
		-1.18	-2.67e-03	0.0	0.0	55.4	0.26	-0.56	2.84e-03	3.12e-03	-1.26e-03	-0.52
59	256	-1.55	-2.38e-03	-3.45e-05	-8.15	0.0	-0.76	7.44	4.86e-03	1.88e-04	-5.14e-03	-3.43
		-3.43	-5.14e-03	-3.48e-06	0.0	55.4	-0.76	-0.71	4.86e-03	1.88e-04	-2.38e-03	-1.56
59	264	-1.41	-1.79e-03	-2.75e-05	-6.76	0.0	-1.02	6.29	3.75e-03	-2.64e-03	-4.15e-03	-3.04
		-3.04	-4.15e-03	-4.20e-06	0.0	55.4	-1.02	-0.46	3.75e-03	-2.64e-03	-1.79e-03	-1.42
59	273	-0.46	-5.01e-03	-2.46e-05	-3.50	0.0	-0.08	3.30	-8.02e-04	-7.38e-03	-5.09e-03	-1.32
		-1.32	-5.09e-03	0.0	0.0	55.4	-0.08	-0.20	-8.02e-04	-7.38e-03	-5.01e-03	-0.46
59	276	-1.01	-6.15e-03	-3.86e-05	-6.76	0.0	-0.19	6.24	1.18e-03	-6.12e-03	-7.25e-03	-2.61
		-2.61	-7.25e-03	0.0	0.0	55.4	-0.19	-0.52	1.18e-03	-6.12e-03	-6.15e-03	-1.02
59	285	-0.70	9.16e-04	-1.27e-05	-3.50	0.0	-0.16	2.97	4.12e-03	4.85e-03	-1.12e-03	-1.40
		-1.40	-1.12e-03	-1.49e-06	0.0	55.4	-0.16	-0.53	4.12e-03	4.85e-03	9.16e-04	-0.72
59	298	-1.15	-2.04e-03	-2.99e-05	-6.76	0.0	-0.23	6.02	4.40e-03	3.00e-03	-4.33e-03	-2.64
		-2.64	-4.33e-03	-1.57e-06	0.0	55.4	-0.23	-0.74	4.40e-03	3.00e-03	-2.04e-03	-1.18
59	302	-0.60	-1.10e-03	-1.68e-05	-3.50	0.0	-0.05	3.05	2.55e-03	1.24e-03	-2.49e-03	-1.33
		-1.33	-2.49e-03	0.0	0.0	55.4	-0.05	-0.45	2.55e-03	1.24e-03	-1.10e-03	-0.61
59	305	-1.13	-1.82e-03	-2.74e-05	-6.29	0.0	-0.37	5.65	3.98e-03	1.75e-03	-3.97e-03	-2.53
		-2.53	-3.97e-03	-1.98e-06	0.0	55.4	-0.37	-0.64	3.98e-03	1.75e-03	-1.82e-03	-1.14
59	306	-0.59	-1.85e-03	-1.81e-05	-3.50	0.0	-0.12	3.12	1.82e-03	-8.56e-04	-2.97e-03	-1.36
		-1.36	-2.97e-03	0.0	0.0	55.4	-0.12	-0.38	1.82e-03	-8.56e-04	-1.85e-03	-0.60
59	307	-1.05	-2.69e-03	-2.96e-05	-6.29	0.0	-0.21	5.64	3.47e-03	1.05e-03	-4.59e-03	-2.45
		-2.45	-4.59e-03	-1.21e-06	0.0	55.4	-0.21	-0.65	3.47e-03	1.05e-03	-2.69e-03	-1.06
59	308	-0.64	-6.63e-04	-1.57e-05	-3.50	0.0	-0.14	3.06	2.81e-03	1.59e-03	-2.18e-03	-1.38
		-1.38	-2.18e-03	0.0	0.0	55.4	-0.14	-0.44	2.81e-03	1.59e-03	-6.63e-04	-0.65
59	309	-0.62	-1.06e-03	-1.65e-05	-3.50	0.0	-0.13	3.08	2.48e-03	7.76e-04	-2.44e-03	-1.37

		-1.37	-2.44e-03	0.0	0.0	55.4	-0.13	-0.42	2.48e-03	7.76e-04	-1.06e-03	-0.63
59	310	-1.08	-1.90e-03	-2.80e-05	-6.29	0.0	-0.22	5.60	4.12e-03	2.68e-03	-4.06e-03	-2.46
		-2.46	-4.06e-03	-1.47e-06	0.0	55.4	-0.22	-0.69	4.12e-03	2.68e-03	-1.90e-03	-1.10
60	19	-0.11	-5.02e-04	-1.10e-05	-3.19	0.0	0.54	1.84	1.50e-03	6.24e-04	-1.29e-03	-0.41
		-0.41	-1.29e-03	1.00e-06	0.0	55.4	0.54	-1.35	1.50e-03	6.24e-04	-5.02e-04	-0.27
60	28	-0.95	-1.36e-03	-3.14e-05	-11.84	0.0	-0.95	7.52	3.37e-03	-1.53e-03	-3.39e-03	-2.27
		-2.27	-3.39e-03	-5.52e-06	0.0	55.4	-0.95	-4.32	3.37e-03	-1.53e-03	-1.36e-03	-1.39
60	44	-0.95	-1.26e-03	-2.43e-05	-9.74	0.0	-1.40	6.26	1.59e-03	-2.87e-03	-2.43e-03	-2.06
		-2.06	-2.43e-03	-6.50e-06	0.0	55.4	-1.40	-3.49	1.59e-03	-2.87e-03	-1.26e-03	-1.29
60	68	-0.43	-1.70e-03	-3.29e-05	-9.74	0.0	-0.10	6.04	0.01	-1.53e-03	-9.02e-03	-1.46
		-1.46	-9.02e-03	-1.44e-06	0.0	55.4	-0.10	-3.71	0.01	-1.53e-03	-1.70e-03	-0.82
60	69	-0.01	-1.05e-03	-1.45e-05	-3.19	0.0	0.03	1.89	0.01	-1.58e-03	-6.74e-03	-0.32
		-0.32	-6.74e-03	0.0	0.0	55.4	0.03	-1.29	0.01	-1.58e-03	-1.05e-03	-0.16
60	93	-0.38	2.01e-03	-6.79e-06	-3.19	0.0	-0.11	1.95	-4.23e-03	-4.97e-05	2.01e-03	-0.71
		-0.71	-2.78e-04	-1.53e-06	0.0	55.4	-0.11	-1.24	-4.23e-03	-4.97e-05	-2.78e-04	-0.51
60	125	2.70	-7.92e-05	-5.66e-05	-6.29	0.0	0.27	1.83	0.02	2.80e-03	-0.01	2.56
		1.83	-0.01	-5.72e-06	0.0	55.4	0.27	-4.46	0.02	2.80e-03	-7.92e-05	1.83
60	128	-3.18	8.18e-03	2.64e-05	-6.29	0.0	-0.50	5.99	-0.02	-2.86e-03	8.18e-03	-4.75
		-4.75	-1.41e-03	2.35e-06	0.0	55.4	-0.50	-0.30	-0.02	-2.86e-03	-1.41e-03	-3.18
60	129	2.37	-2.31e-03	-6.55e-05	-6.29	0.0	0.96	2.49	0.04	-0.03	-0.02	2.10
		1.74	-0.02	-6.93e-05	0.0	55.4	0.96	-3.80	0.04	-0.03	-2.31e-03	1.74
60	132	-3.05	0.02	3.53e-05	-6.29	0.0	-1.19	5.33	-0.03	0.03	0.02	-4.29
		-4.29	8.21e-04	6.59e-05	0.0	55.4	-1.19	-0.96	-0.03	0.03	8.21e-04	-3.09
60	137	2.60	3.77e-04	-6.96e-05	-6.29	0.0	0.68	2.41	0.04	-0.02	-0.02	2.34
		1.94	-0.02	-2.08e-05	0.0	55.4	0.68	-3.88	0.04	-0.02	3.77e-04	1.94
60	140	-3.25	0.02	3.94e-05	-6.29	0.0	-0.91	5.41	-0.04	0.02	0.02	-4.53
		-4.53	-1.86e-03	1.74e-05	0.0	55.4	-0.91	-0.88	-0.04	0.02	-1.86e-03	-3.29
60	157	3.13	3.87e-06	-6.18e-05	-6.29	0.0	0.31	1.57	0.02	3.10e-03	-0.01	3.02
		2.14	-0.01	-6.28e-06	0.0	55.4	0.31	-4.73	0.02	3.10e-03	3.87e-06	2.14
60	160	-3.50	9.48e-03	3.16e-05	-6.29	0.0	-0.54	6.25	-0.02	-3.16e-03	9.48e-03	-5.21
		-5.21	-1.49e-03	2.91e-06	0.0	55.4	-0.54	-0.04	-0.02	-3.16e-03	-1.49e-03	-3.50
60	161	2.76	-2.51e-03	-7.22e-05	-6.29	0.0	1.10	2.31	0.04	-0.04	-0.03	2.52
		2.06	-0.03	-7.86e-05	0.0	55.4	1.10	-3.98	0.04	-0.04	-2.51e-03	2.06
60	164	-3.39	0.02	4.19e-05	-6.29	0.0	-1.33	5.51	-0.04	0.04	0.02	-4.71
		-4.71	1.03e-03	7.52e-05	0.0	55.4	-1.33	-0.78	-0.04	0.04	1.03e-03	-3.41
60	169	3.00	5.18e-04	-7.68e-05	-6.29	0.0	0.78	2.21	0.05	-0.03	-0.03	2.79
		2.28	-0.03	-2.36e-05	0.0	55.4	0.78	-4.08	0.05	-0.03	5.18e-04	2.28
60	172	-3.61	0.02	4.66e-05	-6.29	0.0	-1.01	5.60	-0.04	0.02	0.02	-4.98
		-4.98	-2.00e-03	2.02e-05	0.0	55.4	-1.01	-0.69	-0.04	0.02	-2.00e-03	-3.63
60	193	2.86	-2.57e-03	-7.42e-05	-6.29	0.0	1.11	2.27	0.04	-0.04	-0.03	2.63
		2.15	-0.03	-8.33e-05	0.0	55.4	1.11	-4.02	0.04	-0.04	-2.57e-03	2.15
60	196	-3.48	0.02	4.39e-05	-6.29	0.0	-1.33	5.55	-0.04	0.04	0.02	-4.82
		-4.82	1.09e-03	7.99e-05	0.0	55.4	-1.33	-0.74	-0.04	0.04	1.09e-03	-3.50
60	201	3.08	5.13e-04	-7.84e-05	-6.29	0.0	0.78	2.18	0.05	-0.03	-0.03	2.87
		2.35	-0.03	-2.58e-05	0.0	55.4	0.78	-4.11	0.05	-0.03	5.13e-04	2.35
60	204	-3.68	0.02	4.82e-05	-6.29	0.0	-1.00	5.63	-0.04	0.03	0.02	-5.07
		-5.07	-2.00e-03	2.24e-05	0.0	55.4	-1.00	-0.66	-0.04	0.03	-2.00e-03	-3.70
60	205	3.19	4.06e-04	-7.92e-05	-6.29	0.0	0.71	2.11	0.05	-0.03	-0.03	3.00
		2.43	-0.03	-2.62e-05	0.0	55.4	0.71	-4.18	0.05	-0.03	4.06e-04	2.43
60	208	-3.76	0.02	4.90e-05	-6.29	0.0	-0.94	5.71	-0.04	0.03	0.02	-5.19
		-5.19	-1.89e-03	2.29e-05	0.0	55.4	-0.94	-0.58	-0.04	0.03	-1.89e-03	-3.78
60	225	3.54	-2.95e-03	-8.62e-05	-6.29	0.0	1.35	1.95	0.05	-0.05	-0.03	3.37
		2.72	-0.03	-1.01e-04	0.0	55.4	1.35	-4.34	0.05	-0.05	-2.95e-03	2.72
60	228	-4.06	0.03	5.59e-05	-6.29	0.0	-1.57	5.87	-0.05	0.05	0.03	-5.57
		-5.57	1.46e-03	9.77e-05	0.0	55.4	-1.57	-0.42	-0.05	0.05	1.46e-03	-4.07
60	233	3.77	7.41e-04	-9.04e-05	-6.29	0.0	0.94	1.86	0.06	-0.03	-0.03	3.62
		2.92	-0.03	-3.13e-05	0.0	55.4	0.94	-4.43	0.06	-0.03	7.41e-04	2.92
60	236	-4.26	0.03	6.02e-05	-6.29	0.0	-1.17	5.95	-0.05	0.03	0.03	-5.82
		-5.82	-2.23e-03	2.79e-05	0.0	55.4	-1.17	-0.34	-0.05	0.03	-2.23e-03	-4.27
60	237	3.89	6.14e-04	-9.12e-05	-6.29	0.0	0.86	1.78	0.06	-0.03	-0.03	3.75
		3.00	-0.03	-3.11e-05	0.0	55.4	0.86	-4.51	0.06	-0.03	6.14e-04	3.00
60	240	-4.35	0.03	6.10e-05	-6.29	0.0	-1.09	6.04	-0.05	0.03	0.03	-5.95
		-5.95	-2.10e-03	2.77e-05	0.0	55.4	-1.09	-0.25	-0.05	0.03	-2.10e-03	-4.35
60	248	-0.18	-5.45e-04	-1.13e-05	-3.50	0.0	0.33	2.07	1.34e-03	2.22e-04	-1.28e-03	-0.52
		-0.52	-1.28e-03	0.0	0.0	55.4	0.33	-1.43	1.34e-03	2.22e-04	-5.45e-04	-0.34
60	256	-0.66	-9.62e-04	-2.17e-05	-8.15	0.0	-0.64	5.17	2.24e-03	-1.09e-03	-2.32e-03	-1.56
		-1.56	-2.32e-03	-3.76e-06	0.0	55.4	-0.64	-2.99	2.24e-03	-1.09e-03	-9.62e-04	-0.96
60	264	-0.66	-8.93e-04	-1.69e-05	-6.76	0.0	-0.94	4.32	1.06e-03	-1.99e-03	-1.68e-03	-1.42
		-1.42	-1.68e-03	-4.41e-06	0.0	55.4	-0.94	-2.43	1.06e-03	-1.99e-03	-8.93e-04	-0.90
60	273	-0.11	-9.12e-04	-1.35e-05	-3.50	0.0	-0.01	2.10	7.10e-03	-1.24e-03	-4.92e-03	-0.46
		-0.46	-4.92e-03	0.0	0.0	55.4	-0.01	-1.40	7.10e-03	-1.24e-03	-9.12e-04	-0.27
60	276	-0.31	-1.19e-03	-2.26e-05	-6.76	0.0	-0.07	4.18	8.70e-03	-1.09e-03	-6.07e-03	-1.02
		-1.02	-6.07e-03	-1.04e-06	0.0	55.4	-0.07	-2.58	8.70e-03	-1.09e-03	-1.19e-03	-0.58
60	285	-0.36	9.17e-04	-8.44e-06	-3.50	0.0	-0.10	2.14	-2.48e-03	-2.27e-04	9.17e-04	-0.72
		-0.72	-3.96e-04	-1.40e-06	0.0	55.4	-0.10	-1.36	-2.48e-03	-2.27e-04	-3.96e-04	-0.50

60	298	-0.45	-7.72e-04	-1.89e-05	-6.76	0.0	-0.12	4.21	2.30e-03	5.89e-05	-2.06e-03	-1.18
		-1.18	-2.06e-03	-1.81e-06	0.0	55.4	-0.12	-2.55	2.30e-03	5.89e-05	-7.72e-04	-0.72
60	302	-0.26	-5.63e-04	-1.03e-05	-3.50	0.0	8.31e-03	2.12	8.36e-04	-4.08e-04	-1.08e-03	-0.61
		-0.61	-1.08e-03	0.0	0.0	55.4	8.31e-03	-1.38	8.36e-04	-4.08e-04	-5.63e-04	-0.41
60	305	-0.46	-7.52e-04	-1.71e-05	-6.29	0.0	-0.27	3.93	1.82e-03	-3.46e-04	-1.81e-03	-1.14
		-1.14	-1.81e-03	-2.19e-06	0.0	55.4	-0.27	-2.36	1.82e-03	-3.46e-04	-7.52e-04	-0.71
60	306	-0.24	-6.37e-04	-1.07e-05	-3.50	0.0	-0.06	2.12	1.99e-03	-7.02e-04	-1.80e-03	-0.60
		-0.60	-1.80e-03	0.0	0.0	55.4	-0.06	-1.38	1.99e-03	-7.02e-04	-6.37e-04	-0.39
60	307	-0.39	-8.12e-04	-1.83e-05	-6.29	0.0	-0.10	3.90	3.35e-03	-1.66e-04	-2.69e-03	-1.06
		-1.06	-2.69e-03	-1.52e-06	0.0	55.4	-0.10	-2.39	3.35e-03	-1.66e-04	-8.12e-04	-0.64
60	308	-0.29	-5.33e-04	-9.68e-06	-3.50	0.0	-0.08	2.13	7.12e-05	-4.98e-04	-6.38e-04	-0.65
		-0.65	-6.38e-04	-1.06e-06	0.0	55.4	-0.08	-1.37	7.12e-05	-4.98e-04	-5.33e-04	-0.44
60	309	-0.28	-5.68e-04	-1.00e-05	-3.50	0.0	-0.07	2.13	7.10e-04	-5.66e-04	-1.03e-03	-0.63
		-0.63	-1.03e-03	0.0	0.0	55.4	-0.07	-1.37	7.10e-04	-5.66e-04	-5.68e-04	-0.42
60	310	-0.43	-7.43e-04	-1.76e-05	-6.29	0.0	-0.11	3.91	2.07e-03	-3.04e-05	-1.91e-03	-1.10
		-1.10	-1.91e-03	-1.69e-06	0.0	55.4	-0.11	-2.38	2.07e-03	-3.04e-05	-7.43e-04	-0.68
61	19	-0.03	-3.45e-04	-9.33e-06	-3.19	0.0	0.47	1.68	2.82e-04	2.03e-05	-5.05e-04	-0.27
		-0.27	-5.05e-04	0.0	0.0	55.4	0.47	-1.51	2.82e-04	2.03e-05	-3.45e-04	-0.23
61	28	-0.35	-7.83e-04	-2.83e-05	-11.84	0.0	-1.11	6.65	5.65e-04	-1.61e-03	-1.28e-03	-1.39
		-1.39	-1.28e-03	-5.67e-06	0.0	55.4	-1.11	-5.19	5.65e-04	-1.61e-03	-7.83e-04	-0.98
61	44	-0.42	-7.07e-04	-2.24e-05	-9.74	0.0	-1.53	5.54	3.48e-04	-2.22e-03	-1.14e-03	-1.29
		-1.29	-1.14e-03	-6.64e-06	0.0	55.4	-1.53	-4.20	3.48e-04	-2.22e-03	-7.07e-04	-0.92
61	68	-0.02	-1.12e-03	-2.75e-05	-9.74	0.0	-0.33	5.29	9.74e-04	-2.79e-04	-1.70e-03	-0.82
		-0.82	-1.70e-03	-1.60e-06	0.0	55.4	-0.33	-4.46	9.74e-04	-2.79e-04	-1.12e-03	-0.59
61	69	0.08	-7.13e-04	-1.10e-05	-3.19	0.0	-0.11	1.64	6.55e-04	1.01e-04	-1.07e-03	-0.16
		-0.16	-1.07e-03	0.0	0.0	55.4	-0.11	-1.55	6.55e-04	1.01e-04	-7.13e-04	-0.13
61	93	-0.23	-1.37e-04	-6.82e-06	-3.19	0.0	-0.13	1.80	-3.05e-05	-9.49e-04	-2.21e-04	-0.51
		-0.51	-2.21e-04	-1.58e-06	0.0	55.4	-0.13	-1.39	-3.05e-05	-9.49e-04	-1.37e-04	-0.39
61	114	0.66	-5.16e-04	-2.07e-05	-6.29	0.0	-2.16	2.68	-5.13e-03	-6.62e-03	-5.16e-04	0.34
		0.09	-3.22e-03	2.30e-05	0.0	55.4	-2.16	-3.61	-5.13e-03	-6.62e-03	-3.22e-03	0.09
61	115	-0.89	2.35e-03	-1.09e-05	-6.29	0.0	1.73	4.28	5.95e-03	5.68e-03	-9.25e-04	-1.69
		-1.69	-9.25e-04	-2.65e-05	0.0	55.4	1.73	-2.01	5.95e-03	5.68e-03	2.35e-03	-1.07
61	138	-1.50	-2.14e-03	1.00e-05	-6.29	0.0	-1.04	4.34	-5.61e-03	5.31e-03	-2.14e-03	-2.33
		-2.33	-4.96e-03	2.08e-05	0.0	55.4	-1.04	-1.95	-5.61e-03	5.31e-03	-4.96e-03	-1.66
61	139	1.28	4.09e-03	-3.39e-05	-6.29	0.0	0.61	2.61	6.43e-03	-6.25e-03	7.03e-04	0.98
		0.68	7.03e-04	-2.43e-05	0.0	55.4	0.61	-3.68	6.43e-03	-6.25e-03	4.09e-03	0.68
61	141	2.17	3.35e-03	-4.21e-05	-6.29	0.0	-0.41	1.88	5.16e-03	-8.74e-03	7.97e-04	2.01
		1.32	7.97e-04	-2.24e-05	0.0	55.4	-0.41	-4.41	5.16e-03	-8.74e-03	3.35e-03	1.32
61	144	-2.23	-2.24e-03	1.85e-05	-6.29	0.0	-0.01	5.07	-4.33e-03	7.80e-03	-2.24e-03	-3.37
		-3.37	-4.22e-03	1.89e-05	0.0	55.4	-0.01	-1.22	-4.33e-03	7.80e-03	-4.22e-03	-2.30
61	146	0.76	-4.96e-04	-2.13e-05	-6.29	0.0	-2.39	2.58	-5.79e-03	-7.32e-03	-4.96e-04	0.47
		0.16	-3.56e-03	2.56e-05	0.0	55.4	-2.39	-3.71	-5.79e-03	-7.32e-03	-3.56e-03	0.16
61	147	-0.98	2.69e-03	-1.03e-05	-6.29	0.0	1.97	4.38	6.61e-03	6.38e-03	-9.46e-04	-1.82
		-1.82	-9.46e-04	-2.92e-05	0.0	55.4	1.97	-1.92	6.61e-03	6.38e-03	2.69e-03	-1.14
61	170	-1.67	-2.33e-03	1.29e-05	-6.29	0.0	-1.13	4.46	-6.37e-03	6.07e-03	-2.33e-03	-2.55
		-2.55	-5.54e-03	2.36e-05	0.0	55.4	-1.13	-1.83	-6.37e-03	6.07e-03	-5.54e-03	-1.82
61	171	1.47	4.67e-03	-3.67e-05	-6.29	0.0	0.71	2.50	7.19e-03	-7.01e-03	8.86e-04	1.20
		0.84	8.86e-04	-2.71e-05	0.0	55.4	0.71	-3.79	7.19e-03	-7.01e-03	4.67e-03	0.84
61	173	2.49	3.85e-03	-4.60e-05	-6.29	0.0	-0.44	1.67	5.76e-03	-9.80e-03	9.92e-04	2.37
		1.55	9.92e-04	-2.52e-05	0.0	55.4	-0.44	-4.62	5.76e-03	-9.80e-03	3.85e-03	1.55
61	176	-2.49	-2.43e-03	2.25e-05	-6.29	0.0	0.02	5.28	-4.94e-03	8.87e-03	-2.43e-03	-3.72
		-3.72	-4.72e-03	2.17e-05	0.0	55.4	0.02	-1.01	-4.94e-03	8.87e-03	-4.72e-03	-2.53
61	178	0.74	-5.31e-04	-2.11e-05	-6.29	0.0	-2.31	2.60	-5.56e-03	-6.82e-03	-5.31e-04	0.44
		0.14	-3.53e-03	2.30e-05	0.0	55.4	-2.31	-3.69	-5.56e-03	-6.82e-03	-3.53e-03	0.14
61	179	-0.96	2.66e-03	-1.05e-05	-6.29	0.0	1.89	4.35	6.39e-03	5.88e-03	-9.11e-04	-1.79
		-1.79	-9.11e-04	-2.66e-05	0.0	55.4	1.89	-1.94	6.39e-03	5.88e-03	2.66e-03	-1.12
61	202	-1.73	-2.35e-03	1.37e-05	-6.29	0.0	-1.10	4.50	-6.36e-03	6.15e-03	-2.35e-03	-2.62
		-2.62	-5.63e-03	2.35e-05	0.0	55.4	-1.10	-1.79	-6.36e-03	6.15e-03	-5.63e-03	-1.87
61	203	1.53	4.77e-03	-3.75e-05	-6.29	0.0	0.67	2.46	7.18e-03	-7.09e-03	9.04e-04	1.27
		0.89	9.04e-04	-2.71e-05	0.0	55.4	0.67	-3.84	7.18e-03	-7.09e-03	4.77e-03	0.89
61	205	2.55	3.96e-03	-4.68e-05	-6.29	0.0	-0.43	1.64	5.79e-03	-9.83e-03	1.01e-03	2.43
		1.59	1.01e-03	-2.63e-05	0.0	55.4	-0.43	-4.65	5.79e-03	-9.83e-03	3.96e-03	1.59
61	208	-2.54	-2.45e-03	2.32e-05	-6.29	0.0	8.01e-03	5.32	-4.97e-03	8.89e-03	-2.45e-03	-3.78
		-3.78	-4.83e-03	2.27e-05	0.0	55.4	8.01e-03	-0.98	-4.97e-03	8.89e-03	-4.83e-03	-2.58
61	210	0.88	-5.17e-04	-2.20e-05	-6.29	0.0	-2.66	2.46	-6.53e-03	-7.68e-03	-5.17e-04	0.61
		0.24	-4.07e-03	2.58e-05	0.0	55.4	-2.66	-3.83	-6.53e-03	-7.68e-03	-4.07e-03	0.24
61	211	-1.08	3.20e-03	-9.74e-06	-6.29	0.0	2.23	4.49	7.35e-03	6.74e-03	-9.25e-04	-1.97
		-1.97	-9.25e-04	-2.93e-05	0.0	55.4	2.23	-1.80	7.35e-03	6.74e-03	3.20e-03	-1.22
61	234	-2.02	-2.65e-03	1.87e-05	-6.29	0.0	-1.24	4.70	-7.56e-03	7.39e-03	-2.65e-03	-3.00
		-3.00	-6.60e-03	2.78e-05	0.0	55.4	-1.24	-1.59	-7.56e-03	7.39e-03	-6.60e-03	-2.14
61	235	1.87	5.73e-03	-4.23e-05	-6.29	0.0	0.82	2.25	8.39e-03	-8.33e-03	1.21e-03	1.65
		1.15	1.21e-03	-3.14e-05	0.0	55.4	0.82	-4.04	8.39e-03	-8.33e-03	5.73e-03	1.15
61	237	3.08	4.80e-03	-5.33e-05	-6.29	0.0	-0.46	1.30	6.77e-03	-0.01	1.34e-03	3.00
		1.98	1.34e-03	-3.11e-05	0.0	55.4	-0.46	-4.99	6.77e-03	-0.01	4.80e-03	1.98
61	240	-2.95	-2.78e-03	2.97e-05	-6.29	0.0	0.04	5.65	-5.95e-03	0.01	-2.78e-03	-4.35

		-4.35	-5.66e-03	2.76e-05	0.0	55.4	0.04	-0.64	-5.95e-03	0.01	-5.66e-03	-2.96
61	248	-0.07	-3.61e-04	-9.74e-06	-3.50	0.0	0.26	1.87	2.67e-04	-2.03e-04	-5.35e-04	-0.34
		-0.34	-5.35e-04	0.0	0.0	55.4	0.26	-1.63	2.67e-04	-2.03e-04	-3.61e-04	-0.28
61	256	-0.25	-5.54e-04	-1.95e-05	-8.15	0.0	-0.75	4.58	3.96e-04	-1.15e-03	-9.03e-04	-0.96
		-0.96	-9.03e-04	-3.86e-06	0.0	55.4	-0.75	-3.58	3.96e-04	-1.15e-03	-5.54e-04	-0.68
61	264	-0.29	-5.04e-04	-1.56e-05	-6.76	0.0	-1.03	3.84	2.52e-04	-1.55e-03	-8.08e-04	-0.90
		-0.90	-8.08e-04	-4.51e-06	0.0	55.4	-1.03	-2.92	2.52e-04	-1.55e-03	-5.04e-04	-0.64
61	273	1.94e-03	-6.06e-04	-1.08e-05	-3.50	0.0	-0.13	1.85	5.16e-04	-1.49e-04	-9.10e-04	-0.27
		-0.27	-9.10e-04	0.0	0.0	55.4	-0.13	-1.65	5.16e-04	-1.49e-04	-6.06e-04	-0.21
61	276	-0.03	-7.81e-04	-1.90e-05	-6.76	0.0	-0.23	3.67	6.69e-04	-2.57e-04	-1.19e-03	-0.58
		-0.58	-1.19e-03	-1.15e-06	0.0	55.4	-0.23	-3.09	6.69e-04	-2.57e-04	-7.81e-04	-0.42
61	285	-0.20	-2.22e-04	-8.04e-06	-3.50	0.0	-0.14	1.96	5.88e-05	-8.50e-04	-3.46e-04	-0.50
		-0.50	-3.46e-04	-1.45e-06	0.0	55.4	-0.14	-1.54	5.88e-05	-8.50e-04	-2.22e-04	-0.39
61	298	-0.15	-4.49e-04	-1.67e-05	-6.76	0.0	-0.22	3.74	4.44e-04	-4.44e-04	-7.52e-04	-0.72
		-0.72	-7.52e-04	-1.89e-06	0.0	55.4	-0.22	-3.02	4.44e-04	-4.44e-04	-4.49e-04	-0.52
61	302	-0.12	-3.52e-04	-9.11e-06	-3.50	0.0	-0.06	1.91	2.22e-04	-5.34e-04	-5.34e-04	-0.41
		-0.41	-5.34e-04	0.0	0.0	55.4	-0.06	-1.59	2.22e-04	-5.34e-04	-3.52e-04	-0.32
61	305	-0.17	-4.30e-04	-1.53e-05	-6.29	0.0	-0.37	3.50	3.89e-04	-6.34e-04	-7.20e-04	-0.71
		-0.71	-7.20e-04	-2.28e-06	0.0	55.4	-0.37	-2.79	3.89e-04	-6.34e-04	-4.30e-04	-0.51
61	306	-0.11	-4.01e-04	-9.31e-06	-3.50	0.0	-0.14	1.91	2.72e-04	-5.23e-04	-6.09e-04	-0.39
		-0.39	-6.09e-04	0.0	0.0	55.4	-0.14	-1.59	2.72e-04	-5.23e-04	-4.01e-04	-0.31
61	307	-0.12	-4.86e-04	-1.60e-05	-6.29	0.0	-0.21	3.46	4.72e-04	-3.75e-04	-7.96e-04	-0.64
		-0.64	-7.96e-04	-1.60e-06	0.0	55.4	-0.21	-2.83	4.72e-04	-3.75e-04	-4.86e-04	-0.47
61	308	-0.15	-3.25e-04	-8.77e-06	-3.50	0.0	-0.14	1.93	1.81e-04	-6.63e-04	-4.97e-04	-0.44
		-0.44	-4.97e-04	-1.12e-06	0.0	55.4	-0.14	-1.57	1.81e-04	-6.63e-04	-3.25e-04	-0.34
61	309	-0.13	-3.50e-04	-8.95e-06	-3.50	0.0	-0.14	1.92	2.11e-04	-6.16e-04	-5.34e-04	-0.42
		-0.42	-5.34e-04	-1.04e-06	0.0	55.4	-0.14	-1.58	2.11e-04	-6.16e-04	-3.50e-04	-0.33
61	310	-0.14	-4.35e-04	-1.56e-05	-6.29	0.0	-0.21	3.48	4.11e-04	-4.69e-04	-7.21e-04	-0.68
		-0.68	-7.21e-04	-1.77e-06	0.0	55.4	-0.21	-2.81	4.11e-04	-4.69e-04	-4.35e-04	-0.49
62	19	-19.56	0.03	-8.61e-05	-4.96	0.0	0.42	-24.86	0.04	0.0	4.14e-03	-19.56
		-33.40	4.14e-03	2.03e-06	0.0	50.6	0.42	-29.82	0.04	0.0	0.03	-33.40
62	51	-73.92	0.09	-3.49e-04	-15.24	0.0	0.87	-92.43	0.14	0.0	0.02	-73.92
		-124.54	0.02	-6.36e-06	0.0	50.6	0.87	-107.67	0.14	0.0	0.09	-124.54
62	69	-19.99	0.02	-1.09e-04	-4.96	0.0	0.13	-24.03	0.03	0.0	5.25e-03	-19.99
		-33.41	5.25e-03	-2.41e-06	0.0	50.6	0.13	-28.99	0.03	0.0	0.02	-33.41
62	75	-73.49	0.09	-3.29e-04	-15.24	0.0	1.11	-93.24	0.15	0.0	0.02	-73.49
		-124.53	0.02	-5.61e-06	0.0	50.6	1.11	-108.48	0.15	0.0	0.09	-124.53
62	76	-73.40	0.09	-3.35e-04	-15.24	0.0	1.23	-93.43	0.15	0.0	0.02	-73.40
		-124.53	0.02	-5.65e-06	0.0	50.6	1.23	-108.67	0.15	0.0	0.09	-124.53
62	84	-19.19	0.02	-9.29e-05	-4.96	0.0	0.72	-25.58	0.03	0.0	7.00e-03	-19.19
		-33.39	7.00e-03	-1.42e-06	0.0	50.6	0.72	-30.54	0.03	0.0	0.02	-33.39
62	117	-31.27	0.13	-7.74e-05	-8.54	0.0	1.10	-57.88	0.29	0.0	-0.02	-31.27
		-83.84	-0.02	-1.25e-04	0.0	50.6	1.10	-66.42	0.29	0.0	0.13	-83.84
62	118	-26.40	0.16	5.50e-05	-8.54	0.0	0.70	-62.27	0.36	0.0	-0.02	-26.40
		-78.63	-0.02	-9.78e-05	0.0	50.6	0.70	-70.81	0.36	0.0	0.16	-78.63
62	119	-51.55	0.04	-3.80e-04	-8.54	0.0	0.51	-36.41	-0.20	0.0	0.04	-51.55
		-53.58	-0.06	9.15e-05	0.0	50.6	0.51	-44.94	-0.20	0.0	-0.06	-53.58
62	141	-48.67	0.01	-3.30e-04	-8.54	0.0	1.45	-39.75	0.03	0.0	4.02e-03	-48.67
		-77.52	4.02e-03	-4.46e-05	0.0	50.6	1.45	-48.29	0.03	0.0	0.01	-77.52
62	144	-29.29	0.08	-2.35e-05	-8.54	0.0	-0.24	-58.93	0.13	0.0	0.01	-29.29
		-54.69	0.01	3.84e-05	0.0	50.6	-0.24	-67.46	0.13	0.0	0.08	-54.69
62	149	-30.36	0.14	-6.58e-05	-8.54	0.0	1.16	-58.92	0.32	0.0	-0.02	-30.36
		-86.00	-0.02	-1.40e-04	0.0	50.6	1.16	-67.45	0.32	0.0	0.14	-86.00
62	150	-24.86	0.17	7.19e-05	-8.54	0.0	0.71	-63.83	0.39	0.0	-0.03	-24.86
		-80.14	-0.03	-1.09e-04	0.0	50.6	0.71	-72.36	0.39	0.0	0.17	-80.14
62	151	-51.92	0.04	-4.05e-04	-8.54	0.0	0.50	-34.85	-0.24	0.0	0.04	-53.10
		-53.10	-0.08	1.03e-04	0.0	50.6	0.50	-43.39	-0.24	0.0	-0.08	-52.07
62	173	-49.90	9.05e-03	-3.50e-04	-8.54	0.0	1.55	-38.60	0.02	0.0	3.35e-03	-49.90
		-78.91	3.35e-03	-5.04e-05	0.0	50.6	1.55	-47.13	0.02	0.0	9.05e-03	-78.91
62	176	-28.05	0.09	2.60e-05	-8.54	0.0	-0.35	-60.08	0.13	0.0	0.02	-28.05
		-53.29	0.02	4.41e-05	0.0	50.6	-0.35	-68.62	0.13	0.0	0.09	-53.29
62	181	-31.08	0.14	-7.09e-05	-8.54	0.0	1.13	-57.93	0.31	0.0	-0.02	-31.08
		-84.54	-0.02	-1.41e-04	0.0	50.6	1.13	-66.46	0.31	0.0	0.14	-84.54
62	182	-25.56	0.17	7.00e-05	-8.54	0.0	0.68	-62.42	0.39	0.0	-0.03	-25.56
		-78.99	-0.03	-1.08e-04	0.0	50.6	0.68	-70.96	0.39	0.0	0.17	-78.99
62	183	-52.19	0.04	-4.03e-04	-8.54	0.0	0.53	-36.26	-0.23	0.0	0.04	-52.39
		-53.22	-0.08	1.02e-04	0.0	50.6	0.53	-44.79	-0.23	0.0	-0.08	-53.22
62	205	-49.83	7.57e-03	-3.55e-04	-8.54	0.0	1.55	-39.45	0.02	0.0	3.46e-03	-49.83
		-78.21	3.46e-03	-5.34e-05	0.0	50.6	1.55	-47.99	0.02	0.0	7.57e-03	-78.21
62	208	-28.13	0.09	2.91e-05	-8.54	0.0	-0.35	-59.23	0.14	0.0	0.02	-28.13
		-54.00	0.02	4.72e-05	0.0	50.6	-0.35	-67.76	0.14	0.0	0.09	-54.00
62	213	-30.06	0.15	-5.53e-05	-8.54	0.0	1.22	-58.94	0.35	0.0	-0.03	-30.06
		-87.07	-0.03	-1.66e-04	0.0	50.6	1.22	-67.47	0.35	0.0	0.15	-87.07
62	214	-23.55	0.19	9.83e-05	-8.54	0.0	0.68	-64.05	0.44	0.0	-0.03	-23.55
		-80.68	-0.03	-1.26e-04	0.0	50.6	0.68	-72.59	0.44	0.0	0.19	-80.68

62	215	-51.53	0.05	-4.41e-04	-8.54	0.0	0.53	-34.62	-0.29	0.0	0.05	-54.41
		-54.41	-0.10	1.20e-04	0.0	50.6	0.53	-43.16	-0.29	0.0	-0.10	-51.53
62	237	-51.72	2.52e-03	-3.90e-04	-8.54	0.0	1.72	-38.08	3.80e-03	0.0	2.52e-03	-51.72
		-80.04	-4.69e-04	-6.41e-05	0.0	50.6	1.72	-46.61	3.80e-03	0.0	-4.69e-04	-80.04
62	240	-26.24	0.10	4.87e-05	-8.54	0.0	-0.51	-60.60	0.15	0.0	0.02	-26.24
		-52.17	0.02	5.79e-05	0.0	50.6	-0.51	-69.14	0.15	0.0	0.10	-52.17
62	248	-21.46	0.03	-9.39e-05	-5.71	0.0	0.44	-27.19	0.04	0.0	5.09e-03	-21.46
		-36.67	5.09e-03	0.0	0.0	50.6	0.44	-32.90	0.04	0.0	0.03	-36.67
62	267	-50.86	0.06	-2.40e-04	-10.42	0.0	0.62	-63.71	0.10	0.0	0.01	-50.86
		-85.73	0.01	-4.40e-06	0.0	50.6	0.62	-74.13	0.10	0.0	0.06	-85.73
62	273	-21.75	0.02	-1.09e-04	-5.71	0.0	0.25	-26.64	0.03	0.0	5.83e-03	-21.75
		-36.68	5.83e-03	-2.23e-06	0.0	50.6	0.25	-32.35	0.03	0.0	0.02	-36.68
62	279	-50.58	0.06	-2.27e-04	-10.42	0.0	0.77	-64.25	0.10	0.0	0.01	-50.58
		-85.73	0.01	-3.90e-06	0.0	50.6	0.77	-74.67	0.10	0.0	0.06	-85.73
62	280	-50.52	0.06	-2.31e-04	-10.42	0.0	0.86	-64.38	0.10	0.0	0.01	-50.52
		-85.73	0.01	-3.93e-06	0.0	50.6	0.86	-74.80	0.10	0.0	0.06	-85.73
62	281	-21.22	0.02	-9.84e-05	-5.71	0.0	0.64	-27.67	0.03	0.0	7.00e-03	-21.22
		-36.66	7.00e-03	-1.57e-06	0.0	50.6	0.64	-33.38	0.03	0.0	0.02	-36.66
62	298	-41.90	0.05	-1.90e-04	-9.01	0.0	0.63	-53.02	0.08	0.0	1.00e-02	-41.90
		-71.01	1.00e-02	-3.35e-06	0.0	50.6	0.63	-62.03	0.08	0.0	0.05	-71.01
62	301	-38.95	0.05	-1.78e-04	-8.54	0.0	0.63	-49.39	0.08	0.0	9.62e-03	-38.95
		-66.10	9.62e-03	-3.12e-06	0.0	50.6	0.63	-57.93	0.08	0.0	0.05	-66.10
62	302	-21.44	0.03	-9.45e-05	-5.71	0.0	0.43	-27.23	0.04	0.0	5.75e-03	-21.44
		-36.67	5.75e-03	-1.20e-06	0.0	50.6	0.43	-32.94	0.04	0.0	0.03	-36.67
62	306	-21.50	0.02	-9.75e-05	-5.71	0.0	0.39	-27.12	0.04	0.0	5.90e-03	-21.50
		-36.67	5.90e-03	-1.79e-06	0.0	50.6	0.39	-32.83	0.04	0.0	0.02	-36.67
62	308	-21.41	0.03	-9.32e-05	-5.71	0.0	0.44	-27.30	0.04	0.0	5.93e-03	-21.41
		-36.67	5.93e-03	-1.62e-06	0.0	50.6	0.44	-33.01	0.04	0.0	0.03	-36.67
62	309	-21.44	0.03	-9.46e-05	-5.71	0.0	0.42	-27.24	0.04	0.0	5.92e-03	-21.44
		-36.67	5.92e-03	-1.68e-06	0.0	50.6	0.42	-32.95	0.04	0.0	0.03	-36.67
62	310	-38.98	0.05	-1.77e-04	-8.54	0.0	0.60	-49.34	0.08	0.0	9.41e-03	-38.98
		-66.10	9.41e-03	-3.11e-06	0.0	50.6	0.60	-57.88	0.08	0.0	0.05	-66.10
63	36	-10.56	1.68e-03	-5.95e-05	-4.96	0.0	-0.71	-14.77	-8.49e-03	-4.09e-03	1.68e-03	-10.56
		-19.29	-3.58e-04	-6.39e-06	0.0	50.6	-0.71	-19.73	-8.49e-03	-4.09e-03	-3.58e-04	-19.29
63	51	-40.99	-3.16e-03	-1.30e-04	-15.24	0.0	-0.88	-57.44	-0.03	-0.04	-3.16e-03	-40.99
		-73.92	-0.01	-6.50e-06	0.0	50.6	-0.88	-72.68	-0.03	-0.04	-0.01	-73.92
63	59	-33.53	-1.09e-03	-1.28e-04	-13.12	0.0	-1.15	-46.88	-0.03	-0.02	-1.09e-03	-33.53
		-60.57	-8.23e-03	-5.63e-06	0.0	50.6	-1.15	-60.00	-0.03	-0.02	-8.23e-03	-60.57
63	93	-10.48	-1.72e-04	-3.26e-05	-4.96	0.0	-0.25	-14.94	-8.30e-03	-7.17e-03	-1.72e-04	-10.48
		-19.29	-2.18e-03	-1.29e-06	0.0	50.6	-0.25	-19.90	-8.30e-03	-7.17e-03	-2.18e-03	-19.29
63	94	-10.46	4.99e-04	-4.32e-05	-4.96	0.0	-0.43	-14.78	-8.22e-03	-4.95e-03	4.99e-04	-10.46
		-19.20	-1.57e-03	-1.40e-06	0.0	50.6	-0.43	-19.73	-8.22e-03	-4.95e-03	-1.57e-03	-19.20
63	117	-16.88	-0.02	1.25e-05	-8.54	0.0	-1.94	-24.18	-0.06	-0.05	-0.02	-16.88
		-31.27	-0.04	-1.22e-04	0.0	50.6	-1.94	-32.72	-0.06	-0.05	-0.04	-31.27
63	118	-14.47	-0.02	1.19e-05	-8.54	0.0	-1.49	-19.28	-0.05	-0.04	-0.02	-14.47
		-26.40	-0.03	-9.40e-05	0.0	50.6	-1.49	-27.82	-0.05	-0.04	-0.03	-26.40
63	119	-28.55	0.02	-1.41e-04	-8.54	0.0	0.54	-41.24	0.01	3.83e-03	0.01	-28.55
		-51.55	0.01	8.76e-05	0.0	50.6	0.54	-49.77	0.01	3.83e-03	0.02	-51.55
63	120	-26.13	0.03	-1.37e-04	-8.54	0.0	1.00	-36.34	0.03	0.02	0.01	-26.13
		-46.69	0.01	1.16e-04	0.0	50.6	1.00	-44.87	0.03	0.02	0.03	-46.69
63	121	-18.85	-0.02	1.84e-05	-8.54	0.0	-1.74	-35.56	-0.06	-0.05	-0.02	-18.85
		-45.51	-0.04	-2.21e-05	0.0	50.6	-1.74	-44.09	-0.06	-0.05	-0.04	-45.51
63	124	-24.16	0.03	-1.33e-04	-8.54	0.0	0.80	-24.96	0.03	0.01	0.01	-24.16
		-32.45	0.01	1.57e-05	0.0	50.6	0.80	-33.50	0.03	0.01	0.03	-32.45
63	149	-16.33	-0.02	1.69e-05	-8.54	0.0	-2.13	-23.47	-0.07	-0.06	-0.02	-16.33
		-30.36	-0.05	-1.37e-04	0.0	50.6	-2.13	-32.00	-0.07	-0.06	-0.05	-30.36
63	150	-13.61	-0.02	1.74e-05	-8.54	0.0	-1.61	-17.93	-0.05	-0.04	-0.02	-13.61
		-24.86	-0.04	-1.05e-04	0.0	50.6	-1.61	-26.47	-0.05	-0.04	-0.04	-24.86
63	151	-29.41	0.03	-1.51e-04	-8.54	0.0	0.67	-42.59	0.02	6.48e-03	0.02	-29.41
		-53.10	0.02	9.88e-05	0.0	50.6	0.67	-51.12	0.02	6.48e-03	0.03	-53.10
63	152	-26.69	0.03	-1.45e-04	-8.54	0.0	1.18	-37.05	0.03	0.02	0.01	-26.69
		-47.60	0.01	1.31e-04	0.0	50.6	1.18	-45.59	0.03	0.02	0.03	-47.60
63	153	-18.53	-0.02	2.32e-05	-8.54	0.0	-1.90	-36.21	-0.07	-0.05	-0.02	-18.53
		-46.32	-0.05	-2.49e-05	0.0	50.6	-1.90	-44.75	-0.07	-0.05	-0.05	-46.32
63	156	-24.48	0.04	-1.41e-04	-8.54	0.0	0.96	-24.31	0.03	0.01	0.02	-24.48
		-31.64	0.02	1.84e-05	0.0	50.6	0.96	-32.84	0.03	0.01	0.04	-31.64
63	181	-16.72	-0.02	1.66e-05	-8.54	0.0	-2.12	-24.11	-0.07	-0.06	-0.02	-16.72
		-31.08	-0.05	-1.38e-04	0.0	50.6	-2.12	-32.65	-0.07	-0.06	-0.05	-31.08
63	182	-14.02	-0.02	1.69e-05	-8.54	0.0	-1.59	-18.50	-0.05	-0.04	-0.02	-14.02
		-25.56	-0.04	-1.04e-04	0.0	50.6	-1.59	-27.04	-0.05	-0.04	-0.04	-25.56
63	183	-28.99	0.03	-1.49e-04	-8.54	0.0	0.64	-42.02	0.02	5.84e-03	0.01	-28.99
		-52.39	0.01	9.77e-05	0.0	50.6	0.64	-50.55	0.02	5.84e-03	0.03	-52.39
63	184	-26.29	0.03	-1.44e-04	-8.54	0.0	1.17	-36.41	0.03	0.02	0.01	-26.29
		-46.88	0.01	1.32e-04	0.0	50.6	1.17	-44.94	0.03	0.02	0.03	-46.88
63	185	-18.74	-0.02	2.26e-05	-8.54	0.0	-1.89	-35.92	-0.07	-0.05	-0.02	-18.74

		-45.98	-0.05	-2.76e-05	0.0	50.6	-1.89	-44.46	-0.07	-0.05	-0.05	-45.98
63	188	-24.28	0.04	-1.40e-04	-8.54	0.0	0.95	-24.60	0.03	0.01	0.02	-24.28
		-31.98	0.02	2.11e-05	0.0	50.6	0.95	-33.13	0.03	0.01	0.04	-31.98
63	213	-16.08	-0.02	2.48e-05	-8.54	0.0	-2.40	-23.36	-0.07	-0.06	-0.02	-16.08
		-30.06	-0.05	-1.62e-04	0.0	50.6	-2.40	-31.89	-0.07	-0.06	-0.05	-30.06
63	214	-12.91	-0.02	2.78e-05	-8.54	0.0	-1.77	-16.71	-0.06	-0.05	-0.02	-12.91
		-23.55	-0.04	-1.21e-04	0.0	50.6	-1.77	-25.25	-0.06	-0.05	-0.04	-23.55
63	215	-30.11	0.03	-1.63e-04	-8.54	0.0	0.83	-43.80	0.02	9.73e-03	0.02	-30.11
		-54.41	0.02	1.15e-04	0.0	50.6	0.83	-52.34	0.02	9.73e-03	0.03	-54.41
63	216	-26.93	0.04	-1.56e-04	-8.54	0.0	1.46	-37.16	0.04	0.03	0.02	-26.93
		-47.90	0.02	1.55e-04	0.0	50.6	1.46	-45.70	0.04	0.03	0.04	-47.90
63	217	-18.36	-0.02	3.03e-05	-8.54	0.0	-2.14	-36.79	-0.08	-0.06	-0.02	-18.36
		-47.06	-0.06	-3.41e-05	0.0	50.6	-2.14	-45.32	-0.08	-0.06	-0.06	-47.06
63	220	-24.65	0.04	-1.52e-04	-8.54	0.0	1.19	-23.73	0.04	0.02	0.02	-24.65
		-30.90	0.02	2.77e-05	0.0	50.6	1.19	-32.27	0.04	0.02	0.04	-30.90
63	257	-11.57	9.49e-04	-5.30e-05	-5.71	0.0	-0.61	-16.32	-9.89e-03	-6.36e-03	9.49e-04	-11.57
		-21.28	-1.50e-03	-4.92e-06	0.0	50.6	-0.61	-22.04	-9.89e-03	-6.36e-03	-1.50e-03	-21.28
63	267	-28.20	-2.12e-03	-9.01e-05	-10.42	0.0	-0.62	-39.57	-0.02	-0.02	-2.12e-03	-28.20
		-50.86	-7.73e-03	-4.50e-06	0.0	50.6	-0.62	-49.99	-0.02	-0.02	-7.73e-03	-50.86
63	271	-23.22	-7.39e-04	-8.87e-05	-9.01	0.0	-0.80	-32.53	-0.02	-0.02	-7.39e-04	-23.22
		-41.96	-5.68e-03	-3.93e-06	0.0	50.6	-0.80	-41.54	-0.02	-0.02	-5.68e-03	-41.96
63	285	-11.52	-2.85e-04	-3.51e-05	-5.71	0.0	-0.30	-16.43	-9.76e-03	-8.41e-03	-2.85e-04	-11.52
		-21.28	-2.71e-03	-1.52e-06	0.0	50.6	-0.30	-22.15	-9.76e-03	-8.41e-03	-2.71e-03	-21.28
63	286	-11.51	1.62e-04	-4.22e-05	-5.71	0.0	-0.42	-16.33	-9.71e-03	-6.93e-03	1.62e-04	-11.51
		-21.22	-2.31e-03	-1.59e-06	0.0	50.6	-0.42	-22.04	-9.71e-03	-6.93e-03	-2.31e-03	-21.22
63	298	-23.16	-1.51e-03	-7.28e-05	-9.01	0.0	-0.49	-32.53	-0.02	-0.02	-1.51e-03	-23.16
		-41.90	-6.01e-03	-3.46e-06	0.0	50.6	-0.49	-41.54	-0.02	-0.02	-6.01e-03	-41.90
63	299	-11.58	-2.07e-04	-3.94e-05	-5.71	0.0	-0.42	-16.57	-0.01	-8.35e-03	-2.07e-04	-11.58
		-21.41	-2.94e-03	-1.81e-06	0.0	50.6	-0.42	-22.28	-0.01	-8.35e-03	-2.94e-03	-21.41
63	301	-21.50	-1.17e-03	-7.05e-05	-8.54	0.0	-0.52	-30.22	-0.02	-0.02	-1.17e-03	-21.50
		-38.95	-5.44e-03	-3.25e-06	0.0	50.6	-0.52	-38.75	-0.02	-0.02	-5.44e-03	-38.95
63	308	-11.57	-3.66e-04	-3.62e-05	-5.71	0.0	-0.36	-16.58	-0.01	-8.84e-03	-3.66e-04	-11.57
		-21.41	-3.02e-03	-1.73e-06	0.0	50.6	-0.36	-22.29	-0.01	-8.84e-03	-3.02e-03	-21.41
63	309	-11.59	-3.86e-04	-3.65e-05	-5.71	0.0	-0.37	-16.61	-0.01	-8.95e-03	-3.86e-04	-11.59
		-21.44	-3.10e-03	-1.78e-06	0.0	50.6	-0.37	-22.33	-0.01	-8.95e-03	-3.10e-03	-21.44
63	310	-21.51	-1.35e-03	-6.76e-05	-8.54	0.0	-0.47	-30.26	-0.02	-0.02	-1.35e-03	-21.51
		-38.98	-5.60e-03	-3.22e-06	0.0	50.6	-0.47	-38.80	-0.02	-0.02	-5.60e-03	-38.98
64	3	-21.64	7.24e-04	-8.14e-05	-15.24	0.0	-0.54	-30.40	-0.02	-0.02	7.24e-04	-21.64
		-40.87	-5.87e-03	-3.76e-06	0.0	50.6	-0.54	-45.64	-0.02	-0.02	-5.87e-03	-40.87
64	19	-5.45	3.85e-04	-2.85e-05	-4.96	0.0	-0.42	-7.63	-5.02e-03	-2.13e-03	3.85e-04	-5.45
		-10.57	-1.49e-03	2.08e-06	0.0	50.6	-0.42	-12.59	-5.02e-03	-2.13e-03	-1.49e-03	-10.57
64	33	-8.50	5.57e-03	-7.07e-05	-8.18	0.0	-0.97	-10.83	-0.01	4.04e-04	5.57e-03	-8.50
		-16.06	5.88e-04	-7.34e-06	0.0	50.6	-0.97	-19.01	-0.01	4.04e-04	5.88e-04	-16.06
64	51	-21.69	1.98e-03	-8.62e-05	-15.24	0.0	-0.70	-30.54	-0.02	-0.02	1.98e-03	-21.69
		-40.99	-5.81e-03	-6.50e-06	0.0	50.6	-0.70	-45.78	-0.02	-0.02	-5.81e-03	-40.99
64	57	-8.50	5.11e-03	-7.11e-05	-8.18	0.0	-1.16	-11.06	-0.01	1.88e-04	5.11e-03	-8.50
		-16.16	-2.90e-04	-3.25e-06	0.0	50.6	-1.16	-19.24	-0.01	1.88e-04	-2.90e-04	-16.16
64	95	-14.82	2.96e-04	-5.50e-05	-9.90	0.0	-0.22	-20.79	-0.01	-0.01	2.96e-04	-14.82
		-27.84	-3.55e-03	-3.83e-06	0.0	50.6	-0.22	-30.69	-0.01	-0.01	-3.55e-03	-27.84
64	118	-7.36	-0.02	2.40e-05	-8.54	0.0	-2.95	-19.41	0.03	-0.04	-0.04	-7.36
		-14.47	-0.04	-9.24e-05	0.0	50.6	-2.95	-27.94	0.03	-0.04	-0.02	-14.47
64	119	-15.31	0.04	-1.20e-04	-8.54	0.0	2.15	-12.27	-0.05	0.02	0.04	-15.31
		-28.55	0.01	8.59e-05	0.0	50.6	2.15	-20.81	-0.05	0.02	0.01	-28.55
64	150	-6.87	-0.02	3.28e-05	-8.54	0.0	-3.26	-19.83	0.03	-0.04	-0.04	-6.87
		-13.61	-0.04	-1.03e-04	0.0	50.6	-3.26	-28.36	0.03	-0.04	-0.02	-13.61
64	151	-15.80	0.04	-1.29e-04	-8.54	0.0	2.46	-11.85	-0.05	0.02	0.04	-15.80
		-29.41	0.02	9.69e-05	0.0	50.6	2.46	-20.39	-0.05	0.02	0.02	-29.41
64	182	-7.11	-0.02	3.16e-05	-8.54	0.0	-3.22	-19.45	0.03	-0.04	-0.04	-7.11
		-14.02	-0.04	-1.02e-04	0.0	50.6	-3.22	-27.99	0.03	-0.04	-0.02	-14.02
64	183	-15.56	0.04	-1.28e-04	-8.54	0.0	2.41	-12.23	-0.05	0.02	0.04	-15.56
		-28.99	0.02	9.59e-05	0.0	50.6	2.41	-20.76	-0.05	0.02	0.02	-28.99
64	214	-6.48	-0.02	4.49e-05	-8.54	0.0	-3.68	-19.89	0.04	-0.04	-0.05	-6.48
		-12.91	-0.05	-1.19e-04	0.0	50.6	-3.68	-28.43	0.04	-0.04	-0.02	-12.91
64	215	-16.19	0.05	-1.41e-04	-8.54	0.0	2.88	-11.78	-0.06	0.03	0.05	-16.19
		-30.11	0.02	1.13e-04	0.0	50.6	2.88	-20.32	-0.06	0.03	0.02	-30.11
64	243	-14.89	6.08e-04	-5.74e-05	-10.42	0.0	-0.40	-20.94	-0.01	-0.01	6.08e-04	-14.89
		-28.12	-3.97e-03	-2.68e-06	0.0	50.6	-0.40	-31.36	-0.01	-0.01	-3.97e-03	-28.12
64	248	-5.96	8.04e-04	-3.12e-05	-5.71	0.0	-0.43	-8.25	-5.98e-03	-2.61e-03	8.04e-04	-5.96
		-11.58	-1.46e-03	0.0	0.0	50.6	-0.43	-13.96	-5.98e-03	-2.61e-03	-1.46e-03	-11.58
64	257	-6.13	3.84e-03	-5.03e-05	-5.71	0.0	-0.69	-7.90	-7.99e-03	1.47e-04	3.84e-03	-6.13
		-11.57	3.36e-04	-5.07e-06	0.0	50.6	-0.69	-13.61	-7.99e-03	1.47e-04	3.36e-04	-11.57
64	267	-14.92	1.45e-03	-6.06e-05	-10.42	0.0	-0.51	-21.03	-0.02	-0.01	1.45e-03	-14.92
		-28.20	-3.93e-03	-4.51e-06	0.0	50.6	-0.51	-31.45	-0.02	-0.01	-3.93e-03	-28.20
64	269	-6.13	3.53e-03	-5.05e-05	-5.71	0.0	-0.82	-8.05	-8.59e-03	2.39e-06	3.53e-03	-6.13
		-11.65	-2.49e-04	-2.34e-06	0.0	50.6	-0.82	-13.76	-8.59e-03	2.39e-06	-2.49e-04	-11.65

64	287	-12.21	7.44e-04	-4.89e-05	-9.01	0.0	-0.30	-17.02	-0.01	-8.34e-03	7.44e-04	-12.21
		-23.10	-2.82e-03	-3.23e-06	0.0	50.6	-0.30	-26.02	-0.01	-8.34e-03	-2.82e-03	-23.10
64	298	-12.23	1.12e-03	-5.07e-05	-9.01	0.0	-0.40	-17.11	-0.01	-8.66e-03	1.12e-03	-12.23
		-23.16	-2.96e-03	-3.49e-06	0.0	50.6	-0.40	-26.12	-0.01	-8.66e-03	-2.96e-03	-23.16
64	299	-6.01	1.77e-03	-3.59e-05	-5.71	0.0	-0.47	-8.16	-6.73e-03	-2.17e-03	1.77e-03	-6.01
		-11.58	-9.03e-04	-1.87e-06	0.0	50.6	-0.47	-13.87	-6.73e-03	-2.17e-03	-9.03e-04	-11.58
64	302	-5.98	1.31e-03	-3.25e-05	-5.71	0.0	-0.42	-8.22	-6.48e-03	-2.77e-03	1.31e-03	-5.98
		-11.59	-1.18e-03	-1.32e-06	0.0	50.6	-0.42	-13.94	-6.48e-03	-2.77e-03	-1.18e-03	-11.59
64	305	-11.34	1.42e-03	-4.88e-05	-8.54	0.0	-0.40	-15.83	-0.01	-7.90e-03	1.42e-03	-11.34
		-21.51	-2.56e-03	-4.26e-06	0.0	50.6	-0.40	-24.36	-0.01	-7.90e-03	-2.56e-03	-21.51
64	309	-5.98	1.44e-03	-3.28e-05	-5.71	0.0	-0.42	-8.22	-6.60e-03	-2.81e-03	1.44e-03	-5.98
		-11.59	-1.11e-03	-1.82e-06	0.0	50.6	-0.42	-13.93	-6.60e-03	-2.81e-03	-1.11e-03	-11.59
64	310	-11.33	1.17e-03	-4.82e-05	-8.54	0.0	-0.40	-15.84	-0.01	-7.82e-03	1.17e-03	-11.33
		-21.51	-2.70e-03	-3.25e-06	0.0	50.6	-0.40	-24.38	-0.01	-7.82e-03	-2.70e-03	-21.51
65	19	-2.93	4.41e-04	-3.88e-05	-4.96	0.0	-0.38	-2.50	-4.73e-04	9.27e-05	4.41e-04	-2.93
		-5.45	2.75e-04	2.09e-06	0.0	50.6	-0.38	-7.46	-4.73e-04	9.27e-05	2.75e-04	-5.45
65	28	-11.98	2.95e-03	-1.16e-04	-15.24	0.0	-0.47	-11.75	3.74e-03	-4.81e-03	2.40e-04	-11.98
		-21.79	2.40e-04	-1.10e-05	0.0	50.6	-0.47	-26.99	3.74e-03	-4.81e-03	2.95e-03	-21.79
65	33	-4.85	5.59e-03	-8.40e-05	-8.18	0.0	-0.83	-3.13	0.01	2.99e-03	-1.19e-03	-4.85
		-8.50	-1.19e-03	-7.80e-06	0.0	50.6	-0.83	-11.31	0.01	2.99e-03	5.59e-03	-8.50
65	36	-3.36	5.03e-03	-6.38e-05	-4.96	0.0	-0.67	-2.16	0.01	3.22e-03	-1.24e-03	-3.36
		-5.71	-1.24e-03	-7.01e-06	0.0	50.6	-0.67	-7.12	0.01	3.22e-03	5.03e-03	-5.71
65	57	-4.75	5.11e-03	-8.47e-05	-8.18	0.0	-1.07	-3.32	0.01	2.87e-03	-8.91e-04	-4.75
		-8.50	-8.91e-04	-3.66e-06	0.0	50.6	-1.07	-11.50	0.01	2.87e-03	5.11e-03	-8.50
65	95	-8.11	9.17e-04	-6.72e-05	-9.90	0.0	-0.04	-8.31	-3.57e-03	-4.03e-03	9.17e-04	-8.11
		-14.82	-2.35e-04	-3.76e-06	0.0	50.6	-0.04	-18.21	-3.57e-03	-4.03e-03	-2.35e-04	-14.82
65	117	-3.72	0.02	-6.74e-06	-8.54	0.0	-2.85	-9.34	-0.10	-0.03	0.02	-3.72
		-8.51	-0.03	-1.19e-04	0.0	50.6	-2.85	-17.87	-0.10	-0.03	-0.03	-8.51
65	118	-4.19	0.02	9.71e-06	-8.54	0.0	-3.36	-7.65	-0.11	-0.03	0.02	-4.19
		-7.36	-0.04	-8.84e-05	0.0	50.6	-3.36	-16.18	-0.11	-0.03	-0.04	-7.36
65	119	-8.14	0.04	-1.32e-04	-8.54	0.0	2.77	-4.26	0.11	0.02	-0.02	-8.14
		-15.31	-0.02	8.18e-05	0.0	50.6	2.77	-12.79	0.11	0.02	0.04	-15.31
65	149	-3.43	0.02	5.04e-06	-8.54	0.0	-3.16	-9.75	-0.11	-0.04	0.02	-3.43
		-8.17	-0.04	-1.34e-04	0.0	50.6	-3.16	-18.29	-0.11	-0.04	-0.04	-8.17
65	150	-3.95	0.02	1.84e-05	-8.54	0.0	-3.74	-7.84	-0.13	-0.03	0.02	-3.95
		-6.87	-0.05	-9.89e-05	0.0	50.6	-3.74	-16.38	-0.13	-0.03	-0.05	-6.87
65	151	-8.38	0.05	-1.41e-04	-8.54	0.0	3.15	-4.06	0.13	0.02	-0.02	-8.38
		-15.80	-0.02	9.23e-05	0.0	50.6	3.15	-12.60	0.13	0.02	0.05	-15.80
65	181	-3.56	0.02	-4.25e-06	-8.54	0.0	-3.10	-9.54	-0.11	-0.04	0.02	-3.56
		-8.37	-0.04	-1.34e-04	0.0	50.6	-3.10	-18.07	-0.11	-0.04	-0.04	-8.37
65	182	-4.02	0.02	1.72e-05	-8.54	0.0	-3.68	-7.60	-0.13	-0.03	0.02	-4.02
		-7.11	-0.04	-9.79e-05	0.0	50.6	-3.68	-16.14	-0.13	-0.03	-0.04	-7.11
65	183	-8.30	0.05	-1.39e-04	-8.54	0.0	3.09	-4.30	0.12	0.02	-0.02	-8.30
		-15.56	-0.02	9.14e-05	0.0	50.6	3.09	-12.84	0.12	0.02	0.05	-15.56
65	213	-3.17	0.02	1.42e-05	-8.54	0.0	-3.56	-10.06	-0.13	-0.04	0.02	-3.17
		-7.96	-0.04	-1.58e-04	0.0	50.6	-3.56	-18.60	-0.13	-0.04	-0.04	-7.96
65	214	-3.69	0.02	3.02e-05	-8.54	0.0	-4.25	-7.77	-0.15	-0.03	0.02	-3.69
		-6.48	-0.05	-1.14e-04	0.0	50.6	-4.25	-16.30	-0.15	-0.03	-0.05	-6.48
65	215	-8.64	0.05	-1.52e-04	-8.54	0.0	3.65	-4.13	0.15	0.03	-0.02	-8.64
		-16.19	-0.02	1.07e-04	0.0	50.6	3.65	-12.67	0.15	0.03	0.05	-16.19
65	248	-3.21	6.71e-04	-4.30e-05	-5.71	0.0	-0.39	-2.58	4.97e-04	-5.71e-05	3.22e-04	-3.21
		-5.96	3.22e-04	0.0	0.0	50.6	-0.39	-8.30	4.97e-04	-5.71e-05	6.71e-04	-5.96
65	256	-8.25	2.09e-03	-8.07e-05	-10.42	0.0	-0.35	-8.11	2.73e-03	-3.17e-03	1.57e-04	-8.25
		-14.99	1.57e-04	-7.49e-06	0.0	50.6	-0.35	-18.52	2.73e-03	-3.17e-03	2.09e-03	-14.99
65	257	-3.49	3.84e-03	-5.96e-05	-5.71	0.0	-0.59	-2.36	9.49e-03	2.03e-03	-7.98e-04	-3.49
		-6.13	-7.98e-04	-5.38e-06	0.0	50.6	-0.59	-8.07	9.49e-03	2.03e-03	3.84e-03	-6.13
65	269	-3.43	3.53e-03	-6.01e-05	-5.71	0.0	-0.75	-2.48	8.45e-03	1.95e-03	-5.98e-04	-3.43
		-6.13	-5.98e-04	-2.62e-06	0.0	50.6	-0.75	-8.19	8.45e-03	1.95e-03	3.53e-03	-6.13
65	287	-6.66	6.40e-04	-6.19e-05	-9.01	0.0	-0.17	-6.45	-1.57e-03	-2.81e-03	6.40e-04	-6.66
		-12.21	3.31e-04	-3.22e-06	0.0	50.6	-0.17	-15.46	-1.57e-03	-2.81e-03	3.31e-04	-12.21
65	298	-6.65	6.96e-04	-6.39e-05	-9.01	0.0	-0.28	-6.52	-6.81e-04	-3.00e-03	5.36e-04	-6.65
		-12.23	5.36e-04	-3.51e-06	0.0	50.6	-0.28	-15.53	-6.81e-04	-3.00e-03	6.96e-04	-12.23
65	299	-3.29	1.66e-03	-4.72e-05	-5.71	0.0	-0.42	-2.52	3.28e-03	2.91e-04	-5.29e-05	-3.29
		-6.01	-5.29e-05	-1.98e-06	0.0	50.6	-0.42	-8.23	3.28e-03	2.91e-04	1.66e-03	-6.01
65	302	-3.24	1.17e-03	-4.42e-05	-5.71	0.0	-0.37	-2.55	1.90e-03	-1.55e-04	1.06e-04	-3.24
		-5.98	1.06e-04	-1.39e-06	0.0	50.6	-0.37	-8.27	1.90e-03	-1.55e-04	1.17e-03	-5.98
65	304	-3.27	1.55e-03	-4.51e-05	-5.71	0.0	-0.36	-2.53	2.96e-03	-2.29e-04	-5.58e-05	-3.27
		-5.99	-5.58e-05	-2.95e-06	0.0	50.6	-0.36	-8.24	2.96e-03	-2.29e-04	1.55e-03	-5.99
65	309	-3.25	1.30e-03	-4.45e-05	-5.71	0.0	-0.37	-2.55	2.25e-03	-1.80e-04	5.22e-05	-3.25
		-5.98	5.22e-05	-1.91e-06	0.0	50.6	-0.37	-8.26	2.25e-03	-1.80e-04	1.30e-03	-5.98
65	310	-6.16	7.82e-04	-6.11e-05	-8.54	0.0	-0.30	-5.95	-2.62e-04	-2.59e-03	4.67e-04	-6.16
		-11.33	4.67e-04	-3.28e-06	0.0	50.6	-0.30	-14.49	-2.62e-04	-2.59e-03	7.82e-04	-11.33
66	3	-7.35	1.12e-03	-1.24e-04	-15.24	0.0	-0.02	-1.03	5.89e-04	-2.42e-03	5.20e-04	-7.35
		-11.73	5.20e-04	-3.70e-06	0.0	50.6	-0.02	-16.27	5.89e-04	-2.42e-03	1.12e-03	-11.73
66	28	-7.69	7.59e-04	-1.36e-04	-15.24	0.0	-0.07	-0.86	-1.80e-03	-1.87e-03	7.59e-04	-7.69

		-11.98	6.83e-05	-1.08e-05	0.0	50.6	-0.07	-16.10	-1.80e-03	-1.87e-03	6.83e-05	-11.98
66	46	-2.39	4.12e-04	-6.24e-05	-4.96	0.0	-0.23	0.82	-2.74e-03	7.14e-04	4.12e-04	-2.42
		-3.26	-1.09e-03	-9.67e-06	0.0	50.6	-0.23	-4.14	-2.74e-03	7.14e-04	-1.09e-03	-3.26
66	66	-3.11	4.00e-04	-9.15e-05	-8.18	0.0	-0.66	1.26	-1.66e-03	6.57e-04	4.00e-04	-3.16
		-4.59	-5.49e-04	-3.59e-06	0.0	50.6	-0.66	-6.92	-1.66e-03	6.57e-04	-5.49e-04	-4.59
66	69	-1.94	3.43e-04	-5.70e-05	-4.96	0.0	-0.48	0.52	-1.28e-03	-3.04e-04	3.43e-04	-1.96
		-2.95	-2.86e-04	-2.60e-06	0.0	50.6	-0.48	-4.44	-1.28e-03	-3.04e-04	-2.86e-04	-2.95
66	79	-6.42	9.27e-04	-9.68e-05	-12.02	0.0	0.17	-1.64	3.08e-04	-2.43e-03	4.64e-04	-6.42
		-10.29	4.64e-04	-4.99e-06	0.0	50.6	0.17	-13.66	3.08e-04	-2.43e-03	9.27e-04	-10.29
66	118	-2.32	0.01	-9.67e-06	-8.54	0.0	-3.11	-0.89	0.04	-0.02	-4.87e-03	-2.33
		-4.19	-4.87e-03	-8.98e-05	0.0	50.6	-3.11	-9.43	0.04	-0.02	0.01	-4.19
66	119	-5.60	5.50e-03	-1.46e-04	-8.54	0.0	2.92	0.73	-0.04	0.01	5.50e-03	-5.60
		-8.14	-0.01	8.33e-05	0.0	50.6	2.92	-7.80	-0.04	0.01	-0.01	-8.14
66	120	-6.07	4.48e-03	-1.28e-04	-8.54	0.0	2.27	1.69	-0.03	0.02	4.48e-03	-6.07
		-8.60	-0.01	1.15e-04	0.0	50.6	2.27	-6.85	-0.03	0.02	-0.01	-8.60
66	125	-1.81	0.01	-3.50e-05	-8.54	0.0	-1.35	-1.39	0.03	-9.87e-03	-2.82e-03	-1.81
		-4.14	-2.82e-03	0.0	0.0	50.6	-1.35	-9.92	0.03	-9.87e-03	0.01	-4.14
66	150	-2.12	0.02	6.34e-06	-8.54	0.0	-3.48	-0.98	0.04	-0.02	-5.51e-03	-2.13
		-3.95	-5.51e-03	-1.00e-04	0.0	50.6	-3.48	-9.52	0.04	-0.02	0.02	-3.95
66	151	-5.80	6.14e-03	-1.55e-04	-8.54	0.0	3.29	0.83	-0.04	0.02	6.14e-03	-5.80
		-8.38	-0.01	9.40e-05	0.0	50.6	3.29	-7.71	-0.04	0.02	-0.01	-8.38
66	152	-6.33	4.99e-03	-1.35e-04	-8.54	0.0	2.56	1.90	-0.03	0.02	4.99e-03	-6.33
		-8.90	-0.01	1.30e-04	0.0	50.6	2.56	-6.63	-0.03	0.02	-0.01	-8.90
66	157	-1.55	0.01	-3.03e-05	-8.54	0.0	-1.51	-1.55	0.03	-0.01	-3.20e-03	-1.55
		-3.89	-3.20e-03	0.0	0.0	50.6	-1.51	-10.09	0.03	-0.01	0.01	-3.89
66	182	-2.16	0.02	-6.24e-06	-8.54	0.0	-3.42	-0.82	0.04	-0.02	-5.42e-03	-2.17
		-4.02	-5.42e-03	-9.95e-05	0.0	50.6	-3.42	-9.36	0.04	-0.02	0.02	-4.02
66	183	-5.76	6.04e-03	-1.54e-04	-8.54	0.0	3.24	0.67	-0.04	0.01	6.04e-03	-5.76
		-8.30	-0.01	9.30e-05	0.0	50.6	3.24	-7.87	-0.04	0.01	-0.01	-8.30
66	184	-6.28	4.88e-03	-1.33e-04	-8.54	0.0	2.50	1.76	-0.03	0.02	4.88e-03	-6.28
		-8.77	-0.01	1.30e-04	0.0	50.6	2.50	-6.78	-0.03	0.02	-0.01	-8.77
66	189	-1.58	0.01	-3.13e-05	-8.54	0.0	-1.47	-1.47	0.03	-0.01	-3.13e-03	-1.58
		-3.97	-3.13e-03	0.0	0.0	50.6	-1.47	-10.01	0.03	-0.01	0.01	-3.97
66	214	-1.86	0.02	1.83e-05	-8.54	0.0	-3.98	-0.88	0.05	-0.02	-6.37e-03	-1.88
		-3.69	-6.37e-03	-1.16e-04	0.0	50.6	-3.98	-9.41	0.05	-0.02	0.02	-3.69
66	215	-6.05	6.99e-03	-1.67e-04	-8.54	0.0	3.80	0.72	-0.05	0.02	6.99e-03	-6.05
		-8.64	-0.02	1.09e-04	0.0	50.6	3.80	-7.81	-0.05	0.02	-0.02	-8.64
66	216	-6.66	5.62e-03	-1.43e-04	-8.54	0.0	2.92	2.01	-0.04	0.03	5.62e-03	-6.66
		-9.16	-0.01	1.54e-04	0.0	50.6	2.92	-6.52	-0.04	0.03	-0.01	-9.16
66	221	-1.19	0.01	-2.54e-05	-8.54	0.0	-1.69	-1.68	0.03	-0.01	-3.67e-03	-1.19
		-3.63	-3.67e-03	-1.30e-06	0.0	50.6	-1.69	-10.22	0.03	-0.01	0.01	-3.63
66	243	-5.08	7.46e-04	-8.66e-05	-10.42	0.0	-0.03	-0.72	3.82e-04	-1.58e-03	3.56e-04	-5.08
		-8.08	3.56e-04	-2.65e-06	0.0	50.6	-0.03	-11.13	3.82e-04	-1.58e-03	7.46e-04	-8.08
66	256	-5.31	5.15e-04	-9.46e-05	-10.42	0.0	-0.06	-0.60	-1.21e-03	-1.21e-03	5.15e-04	-5.31
		-8.25	4.47e-05	-7.41e-06	0.0	50.6	-0.06	-11.02	-1.21e-03	-1.21e-03	4.47e-05	-8.25
66	262	-2.43	3.40e-04	-6.30e-05	-5.71	0.0	-0.23	0.97	-1.88e-03	5.32e-04	3.40e-04	-2.47
		-3.43	-6.94e-04	-7.14e-06	0.0	50.6	-0.23	-4.74	-1.88e-03	5.32e-04	-6.94e-04	-3.43
66	273	-2.14	2.94e-04	-5.94e-05	-5.71	0.0	-0.39	0.77	-9.07e-04	-1.46e-04	2.94e-04	-2.17
		-3.22	-1.61e-04	-2.42e-06	0.0	50.6	-0.39	-4.94	-9.07e-04	-1.46e-04	-1.61e-04	-3.22
66	274	-2.26	2.76e-04	-6.51e-05	-5.71	0.0	-0.46	0.81	-1.11e-03	4.71e-04	2.76e-04	-2.29
		-3.32	-3.67e-04	-2.57e-06	0.0	50.6	-0.46	-4.90	-1.11e-03	4.71e-04	-3.67e-04	-3.32
66	279	-5.14	6.48e-04	-8.59e-05	-10.42	0.0	0.04	-0.67	1.53e-04	-1.56e-03	3.75e-04	-5.14
		-8.11	3.75e-04	-4.02e-06	0.0	50.6	0.04	-11.09	1.53e-04	-1.56e-03	6.48e-04	-8.11
66	298	-4.25	4.25e-04	-7.76e-05	-9.01	0.0	-0.07	-0.23	-9.56e-05	-1.11e-03	3.39e-04	-4.25
		-6.65	3.39e-04	-3.49e-06	0.0	50.6	-0.07	-9.24	-9.56e-05	-1.11e-03	4.25e-04	-6.65
66	303	-3.95	4.28e-04	-7.41e-05	-8.54	0.0	-0.09	-0.09	5.26e-05	-8.92e-04	2.94e-04	-3.95
		-6.15	2.94e-04	-2.74e-06	0.0	50.6	-0.09	-8.62	5.26e-05	-8.92e-04	4.28e-04	-6.15
66	304	-2.23	2.01e-04	-5.53e-05	-5.71	0.0	-0.19	0.86	-4.42e-04	1.37e-04	2.01e-04	-2.26
		-3.27	-4.82e-05	-2.89e-06	0.0	50.6	-0.19	-4.85	-4.42e-04	1.37e-04	-4.82e-05	-3.27
66	306	-2.19	1.88e-04	-5.57e-05	-5.71	0.0	-0.24	0.83	-2.89e-04	1.24e-04	1.88e-04	-2.22
		-3.25	1.73e-05	-1.98e-06	0.0	50.6	-0.24	-4.88	-2.89e-04	1.24e-04	1.73e-05	-3.25
66	309	-2.20	1.62e-04	-5.48e-05	-5.71	0.0	-0.20	0.84	-1.35e-04	1.92e-04	1.62e-04	-2.23
		-3.25	6.18e-05	-1.86e-06	0.0	50.6	-0.20	-4.87	-1.35e-04	1.92e-04	6.18e-05	-3.25
66	310	-3.96	3.73e-04	-7.43e-05	-8.54	0.0	-0.09	-0.08	-1.01e-04	-9.20e-04	3.14e-04	-3.96
		-6.16	3.14e-04	-3.26e-06	0.0	50.6	-0.09	-8.61	-1.01e-04	-9.20e-04	3.73e-04	-6.16
67	21	-13.47	1.16e-03	-4.97e-05	-21.74	0.0	1.22	-7.52	-2.21e-03	-1.22e-03	1.16e-03	-13.47
		-24.06	2.27e-05	0.0	0.0	57.6	1.22	-29.26	-2.21e-03	-1.22e-03	2.27e-05	-24.06
67	44	-17.31	-1.72e-03	-6.32e-05	-27.54	0.0	1.41	-9.38	-1.53e-03	-2.68e-03	-1.72e-03	-17.31
		-30.64	-2.34e-03	-1.53e-05	0.0	57.6	1.41	-36.92	-1.53e-03	-2.68e-03	-2.34e-03	-30.64
67	52	-20.92	2.23e-04	-8.74e-05	-32.75	0.0	1.67	-11.51	-3.18e-03	-2.77e-03	2.23e-04	-20.92
		-36.98	-1.32e-03	-7.93e-06	0.0	57.6	1.67	-44.26	-3.18e-03	-2.77e-03	-1.32e-03	-36.98
67	60	-7.77	-3.81e-04	-6.53e-05	-9.58	0.0	0.14	-3.46	-1.08e-03	-2.23e-03	-3.81e-04	-7.77
		-12.52	-7.84e-04	-3.48e-06	0.0	57.6	0.14	-13.04	-1.08e-03	-2.23e-03	-7.84e-04	-12.52
67	75	-19.61	3.82e-04	-5.95e-05	-32.75	0.0	1.88	-10.84	-2.49e-03	-1.88e-03	3.82e-04	-19.61
		-35.28	-8.47e-04	-6.73e-06	0.0	57.6	1.88	-43.59	-2.49e-03	-1.88e-03	-8.47e-04	-35.28

67	93	-5.58	-5.85e-05	-1.87e-05	-9.58	0.0	0.50	-2.50	-3.25e-04	-7.40e-04	-5.85e-05	-5.58
		-9.78	-1.71e-04	-1.72e-06	0.0	57.6	0.50	-12.09	-3.25e-04	-7.40e-04	-1.71e-04	-9.78
67	114	-6.85	0.02	-7.07e-05	-17.80	0.0	2.17	1.38	0.01	-0.03	9.26e-03	-6.88
		-11.32	9.26e-03	-7.87e-05	0.0	57.6	2.17	-16.42	0.01	-0.03	0.02	-11.32
67	115	-14.72	-9.01e-03	-4.42e-06	-17.80	0.0	-0.26	-12.88	-0.02	0.03	-9.01e-03	-14.72
		-27.14	-0.02	7.10e-05	0.0	57.6	-0.26	-30.68	-0.02	0.03	-0.02	-27.14
67	138	-3.68	8.91e-03	3.93e-05	-17.80	0.0	1.97	2.11	4.97e-03	-1.77e-03	6.42e-03	-3.75
		-7.70	6.42e-03	1.30e-05	0.0	57.6	1.97	-15.69	4.97e-03	-1.77e-03	8.91e-03	-7.70
67	139	-17.84	-6.17e-03	-1.14e-04	-17.80	0.0	-0.06	-13.61	-7.92e-03	-7.52e-04	-6.17e-03	-17.84
		-30.76	-0.01	-2.07e-05	0.0	57.6	-0.06	-31.41	-7.92e-03	-7.52e-04	-0.01	-30.76
67	146	-6.32	0.02	-7.47e-05	-17.80	0.0	2.32	2.27	0.02	-0.04	0.01	-6.38
		-10.33	0.01	-8.77e-05	0.0	57.6	2.32	-15.54	0.02	-0.04	0.02	-10.33
67	147	-15.21	-0.01	-1.59e-06	-17.80	0.0	-0.41	-13.76	-0.02	0.04	-0.01	-15.21
		-28.13	-0.02	8.00e-05	0.0	57.6	-0.41	-31.56	-0.02	0.04	-0.02	-28.13
67	170	-2.68	0.01	4.95e-05	-17.80	0.0	2.10	3.12	5.75e-03	-1.75e-03	7.22e-03	-2.83
		-6.21	7.22e-03	1.57e-05	0.0	57.6	2.10	-14.68	5.75e-03	-1.75e-03	0.01	-6.21
67	171	-18.76	-6.97e-03	-1.25e-04	-17.80	0.0	-0.19	-14.62	-8.71e-03	-7.76e-04	-6.97e-03	-18.76
		-32.25	-0.01	-2.35e-05	0.0	57.6	-0.19	-32.42	-8.71e-03	-7.76e-04	-0.01	-32.25
67	178	-6.33	0.02	-7.36e-05	-17.80	0.0	2.30	2.16	0.01	-0.04	0.01	-6.39
		-10.41	0.01	-8.47e-05	0.0	57.6	2.30	-15.64	0.01	-0.04	0.02	-10.41
67	179	-15.21	-9.99e-03	-1.93e-06	-17.80	0.0	-0.39	-13.65	-0.02	0.03	-9.99e-03	-15.21
		-28.06	-0.02	7.70e-05	0.0	57.6	-0.39	-31.45	-0.02	0.03	-0.02	-28.06
67	202	-2.51	0.01	5.25e-05	-17.80	0.0	2.11	3.22	5.58e-03	-1.26e-03	7.26e-03	-2.67
		-5.99	7.26e-03	1.92e-05	0.0	57.6	2.11	-14.58	5.58e-03	-1.26e-03	0.01	-5.99
67	203	-18.92	-7.01e-03	-1.28e-04	-17.80	0.0	-0.20	-14.72	-8.53e-03	-1.26e-03	-7.01e-03	-18.92
		-32.47	-0.01	-2.69e-05	0.0	57.6	-0.20	-32.52	-8.53e-03	-1.26e-03	-0.01	-32.47
67	210	-5.43	0.02	-7.93e-05	-17.80	0.0	2.53	3.50	0.02	-0.04	0.01	-5.59
		-8.88	0.01	-9.64e-05	0.0	57.6	2.53	-14.31	0.02	-0.04	0.02	-8.88
67	211	-16.00	-0.01	4.96e-06	-17.80	0.0	-0.62	-14.99	-0.02	0.04	-0.01	-16.00
		-29.59	-0.02	8.87e-05	0.0	57.6	-0.62	-32.79	-0.02	0.04	-0.02	-29.59
67	226	-2.99	0.01	5.22e-05	-17.80	0.0	2.56	2.62	7.33e-03	7.83e-03	0.01	-3.08
		-6.79	0.01	1.38e-04	0.0	57.6	2.56	-15.18	7.33e-03	7.83e-03	0.01	-6.79
67	227	-18.51	-0.01	-1.27e-04	-17.80	0.0	-0.65	-14.11	-0.01	-0.01	-0.01	-18.51
		-31.68	-0.01	-1.45e-04	0.0	57.6	-0.65	-31.91	-0.01	-0.01	-0.01	-31.68
67	234	-0.80	0.01	6.99e-05	-17.80	0.0	2.32	4.85	6.72e-03	-9.88e-04	8.53e-03	-1.16
		-3.55	8.53e-03	2.53e-05	0.0	57.6	2.32	-12.95	6.72e-03	-9.88e-04	0.01	-3.55
67	235	-20.43	-8.28e-03	-1.45e-04	-17.80	0.0	-0.41	-16.35	-9.68e-03	-1.53e-03	-8.28e-03	-20.43
		-34.91	-0.01	-3.30e-05	0.0	57.6	-0.41	-34.15	-9.68e-03	-1.53e-03	-0.01	-34.91
67	250	-11.51	7.60e-04	-4.20e-05	-18.96	0.0	1.02	-6.12	-1.80e-03	-1.19e-03	7.60e-04	-11.51
		-20.49	-1.44e-04	-1.09e-06	0.0	57.6	1.02	-25.07	-1.80e-03	-1.19e-03	-1.44e-04	-20.49
67	264	-12.03	-1.16e-03	-4.53e-05	-18.96	0.0	0.97	-6.53	-1.09e-03	-1.88e-03	-1.16e-03	-12.03
		-21.25	-1.60e-03	-1.04e-05	0.0	57.6	0.97	-25.49	-1.09e-03	-1.88e-03	-1.60e-03	-21.25
67	268	-14.43	1.38e-04	-6.14e-05	-22.43	0.0	1.14	-7.95	-2.19e-03	-1.94e-03	1.38e-04	-14.43
		-25.47	-9.19e-04	-5.51e-06	0.0	57.6	1.14	-30.38	-2.19e-03	-1.94e-03	-9.19e-04	-25.47
67	269	-7.71	-2.67e-04	-5.24e-05	-10.86	0.0	0.30	-3.40	-1.04e-03	-1.86e-03	-2.67e-04	-7.71
		-12.80	-6.82e-04	-3.17e-06	0.0	57.6	0.30	-14.26	-1.04e-03	-1.86e-03	-6.82e-04	-12.80
67	279	-13.56	2.45e-04	-4.28e-05	-22.43	0.0	1.28	-7.51	-1.73e-03	-1.35e-03	2.45e-04	-13.56
		-24.34	-6.06e-04	-4.71e-06	0.0	57.6	1.28	-29.94	-1.73e-03	-1.35e-03	-6.06e-04	-24.34
67	285	-6.25	-5.27e-05	-2.14e-05	-10.86	0.0	0.54	-2.77	-5.37e-04	-8.67e-04	-5.27e-05	-6.25
		-10.97	-2.74e-04	-2.00e-06	0.0	57.6	0.54	-13.62	-5.37e-04	-8.67e-04	-2.74e-04	-10.97
67	298	-11.52	1.56e-04	-3.95e-05	-18.96	0.0	1.03	-6.21	-1.58e-03	-1.30e-03	1.56e-04	-11.52
		-20.56	-6.18e-04	-4.11e-06	0.0	57.6	1.03	-25.17	-1.58e-03	-1.30e-03	-6.18e-04	-20.56
67	299	-6.66	-9.50e-05	-3.00e-05	-10.86	0.0	0.47	-3.00	-8.05e-04	-1.14e-03	-9.50e-05	-6.66
		-11.51	-4.43e-04	-2.40e-06	0.0	57.6	0.47	-13.85	-8.05e-04	-1.14e-03	-4.43e-04	-11.51
67	303	-10.79	2.47e-04	-3.80e-05	-17.80	0.0	0.95	-5.73	-1.52e-03	-1.24e-03	2.47e-04	-10.79
		-19.22	-4.96e-04	-3.25e-06	0.0	57.6	0.95	-23.53	-1.52e-03	-1.24e-03	-4.96e-04	-19.22
67	305	-10.80	-1.15e-04	-3.66e-05	-17.80	0.0	0.96	-5.79	-1.39e-03	-1.31e-03	-1.15e-04	-10.80
		-19.26	-7.81e-04	-5.07e-06	0.0	57.6	0.96	-23.59	-1.39e-03	-1.31e-03	-7.81e-04	-19.26
67	308	-6.42	-5.18e-05	-2.48e-05	-10.86	0.0	0.51	-2.91	-7.75e-04	-9.75e-04	-5.18e-05	-6.42
		-11.22	-3.98e-04	-2.24e-06	0.0	57.6	0.51	-13.77	-7.75e-04	-9.75e-04	-3.98e-04	-11.22
67	309	-6.46	-5.16e-05	-2.57e-05	-10.86	0.0	0.50	-2.95	-8.35e-04	-1.00e-03	-5.16e-05	-6.46
		-11.29	-4.29e-04	-2.30e-06	0.0	57.6	0.50	-13.80	-8.35e-04	-1.00e-03	-4.29e-04	-11.29
67	310	-10.80	1.27e-04	-3.75e-05	-17.80	0.0	0.95	-5.75	-1.48e-03	-1.26e-03	1.27e-04	-10.80
		-19.23	-5.91e-04	-3.85e-06	0.0	57.6	0.95	-23.55	-1.48e-03	-1.26e-03	-5.91e-04	-19.23
68	12	-4.57	5.05e-05	-2.86e-05	-9.58	0.0	0.74	-0.09	1.50e-05	-1.92e-03	-1.76e-04	-4.57
		-7.38	-1.76e-04	0.0	0.0	57.6	0.74	-9.67	1.50e-05	-1.92e-03	5.05e-05	-7.38
68	27	-10.99	-1.25e-04	-4.13e-05	-32.75	0.0	2.93	1.06	-1.68e-03	-2.44e-03	-1.25e-04	-10.99
		-19.81	-8.28e-04	-1.24e-05	0.0	57.6	2.93	-31.69	-1.68e-03	-2.44e-03	-8.28e-04	-19.81
68	42	-5.66	-1.84e-03	-2.24e-05	-15.38	0.0	1.27	0.63	-1.03e-03	-2.41e-03	-1.84e-03	-5.66
		-9.73	-2.17e-03	-1.24e-05	0.0	57.6	1.27	-14.75	-1.03e-03	-2.41e-03	-2.17e-03	-9.73
68	52	-11.84	1.51e-03	-5.03e-05	-32.75	0.0	2.86	0.60	-3.08e-03	-2.93e-03	1.51e-03	-11.84
		-20.92	6.32e-05	-7.98e-06	0.0	57.6	2.86	-32.14	-3.08e-03	-2.93e-03	6.32e-05	-20.92
68	71	-7.93	2.21e-03	-3.43e-05	-21.74	0.0	1.93	0.13	-3.94e-03	-1.89e-03	2.21e-03	-7.93
		-14.11	1.54e-04	-5.83e-06	0.0	57.6	1.93	-21.61	-3.94e-03	-1.89e-03	1.54e-04	-14.11
68	93	-3.19	-9.95e-05	-1.22e-05	-9.58	0.0	0.80	0.66	1.29e-03	-8.16e-04	-9.24e-04	-3.20

		-5.58	-9.24e-04	-1.72e-06	0.0	57.6	0.80	-8.92	1.29e-03	-8.16e-04	-9.95e-05	-5.58
68	129	-9.36	0.03	-7.06e-05	-17.80	0.0	2.66	-1.57	-0.06	-0.03	0.03	-9.36
		-14.86	-8.11e-03	-1.70e-04	0.0	57.6	2.66	-19.37	-0.06	-0.03	-8.11e-03	-14.86
68	130	-2.85	7.25e-03	1.76e-05	-17.80	0.0	-0.37	4.75	0.04	3.76e-03	-0.02	-3.36
		-5.24	-0.02	9.44e-05	0.0	57.6	-0.37	-13.05	0.04	3.76e-03	7.25e-03	-5.24
68	131	-8.78	0.02	-4.41e-05	-17.80	0.0	3.46	-3.36	-0.04	-6.48e-03	0.02	-8.78
		-16.35	-7.14e-03	-1.02e-04	0.0	57.6	3.46	-21.17	-0.04	-6.48e-03	-7.14e-03	-16.35
68	132	-2.71	8.22e-03	4.40e-05	-17.80	0.0	0.42	2.96	0.06	0.03	-0.03	-2.78
		-6.73	-0.03	1.62e-04	0.0	57.6	0.42	-14.84	0.06	0.03	8.22e-03	-6.73
68	139	-9.62	0.01	-5.07e-05	-17.80	0.0	3.10	-4.48	-0.04	1.99e-04	0.01	-9.62
		-17.84	-5.08e-03	-2.33e-05	0.0	57.6	3.10	-22.28	-0.04	1.99e-04	-5.08e-03	-17.84
68	144	-1.73	6.15e-03	5.33e-05	-17.80	0.0	0.63	4.46	0.05	0.02	-0.02	-2.05
		-4.63	-0.02	4.25e-05	0.0	57.6	0.63	-13.34	0.05	0.02	6.15e-03	-4.63
68	161	-9.79	0.03	-7.81e-05	-17.80	0.0	2.81	-1.88	-0.07	-0.04	0.03	-9.79
		-15.41	-9.19e-03	-1.92e-04	0.0	57.6	2.81	-19.68	-0.07	-0.04	-9.19e-03	-15.41
68	162	-2.37	8.21e-03	2.18e-05	-17.80	0.0	-0.62	5.27	0.05	4.55e-03	-0.02	-3.00
		-4.52	-0.02	1.08e-04	0.0	57.6	-0.62	-12.53	0.05	4.55e-03	8.21e-03	-4.52
68	163	-9.14	0.02	-4.84e-05	-17.80	0.0	3.71	-3.89	-0.05	-7.27e-03	0.02	-9.14
		-17.07	-8.10e-03	-1.16e-04	0.0	57.6	3.71	-21.69	-0.05	-7.27e-03	-8.10e-03	-17.07
68	164	-2.26	9.30e-03	5.16e-05	-17.80	0.0	0.27	3.26	0.06	0.04	-0.03	-2.34
		-6.19	-0.03	1.85e-04	0.0	57.6	0.27	-14.54	0.06	0.04	9.30e-03	-6.19
68	170	-1.13	5.87e-03	2.92e-05	-17.80	0.0	-0.21	6.53	0.04	-3.01e-03	-0.02	-2.04
		-2.83	-0.02	1.86e-05	0.0	57.6	-0.21	-11.27	0.04	-3.01e-03	5.87e-03	-2.83
68	171	-10.09	0.02	-5.57e-05	-17.80	0.0	3.30	-5.15	-0.04	2.94e-04	0.02	-10.09
		-18.76	-5.76e-03	-2.63e-05	0.0	57.6	3.30	-22.95	-0.04	2.94e-04	-5.76e-03	-18.76
68	193	-9.91	0.03	-8.00e-05	-17.80	0.0	2.88	-2.00	-0.07	-0.04	0.03	-9.91
		-15.60	-9.54e-03	-2.01e-04	0.0	57.6	2.88	-19.80	-0.07	-0.04	-9.54e-03	-15.60
68	194	-2.23	8.53e-03	2.39e-05	-17.80	0.0	-0.67	5.35	0.05	5.42e-03	-0.02	-2.88
		-4.36	-0.02	1.17e-04	0.0	57.6	-0.67	-12.45	0.05	5.42e-03	8.53e-03	-4.36
68	195	-9.26	0.02	-5.04e-05	-17.80	0.0	3.75	-3.97	-0.05	-8.14e-03	0.02	-9.26
		-17.23	-8.42e-03	-1.25e-04	0.0	57.6	3.75	-21.77	-0.05	-8.14e-03	-8.42e-03	-17.23
68	196	-2.14	9.65e-03	5.35e-05	-17.80	0.0	0.20	3.39	0.07	0.04	-0.03	-2.23
		-5.99	-0.03	1.94e-04	0.0	57.6	0.20	-14.41	0.07	0.04	9.65e-03	-5.99
68	202	-1.00	6.03e-03	3.09e-05	-17.80	0.0	-0.23	6.62	0.04	-2.45e-03	-0.02	-1.93
		-2.67	-0.02	2.17e-05	0.0	57.6	-0.23	-11.18	0.04	-2.45e-03	6.03e-03	-2.67
68	203	-10.20	0.02	-5.75e-05	-17.80	0.0	3.32	-5.24	-0.04	-2.70e-04	0.02	-10.20
		-18.92	-5.92e-03	-2.95e-05	0.0	57.6	3.32	-23.04	-0.04	-2.70e-04	-5.92e-03	-18.92
68	225	-10.69	0.04	-9.33e-05	-17.80	0.0	3.17	-2.58	-0.08	-0.05	0.04	-10.69
		-16.60	-0.01	-2.44e-04	0.0	57.6	3.17	-20.38	-0.08	-0.05	-0.01	-16.60
68	226	-1.34	0.01	3.21e-05	-17.80	0.0	-1.10	6.25	0.06	7.33e-03	-0.02	-2.22
		-3.08	-0.02	1.46e-04	0.0	57.6	-1.10	-11.55	0.06	7.33e-03	0.01	-3.08
68	227	-9.92	0.02	-5.86e-05	-17.80	0.0	4.18	-4.86	-0.06	-0.01	0.02	-9.92
		-18.51	-0.01	-1.54e-04	0.0	57.6	4.18	-22.66	-0.06	-0.01	-0.01	-18.51
68	228	-1.33	0.01	6.68e-05	-17.80	0.0	-0.09	3.96	0.08	0.04	-0.04	-1.45
		-4.99	-0.04	2.36e-04	0.0	57.6	-0.09	-13.84	0.08	0.04	0.01	-4.99
68	234	0.13	7.17e-03	3.97e-05	-17.80	0.0	-0.55	7.71	0.05	-2.32e-03	-0.02	-1.15
		-1.16	-0.02	2.82e-05	0.0	57.6	-0.55	-10.09	0.05	-2.32e-03	7.17e-03	-1.16
68	235	-10.99	0.02	-6.62e-05	-17.80	0.0	3.64	-6.33	-0.05	-3.98e-04	0.02	-10.99
		-20.43	-7.06e-03	-3.60e-05	0.0	57.6	3.64	-24.13	-0.05	-3.98e-04	-7.06e-03	-20.43
68	245	-4.49	-1.42e-06	-2.33e-05	-10.86	0.0	0.84	0.29	-9.67e-05	-1.68e-03	-1.34e-04	-4.49
		-7.45	-1.34e-04	-1.03e-06	0.0	57.6	0.84	-10.56	-9.67e-05	-1.68e-03	-1.42e-06	-7.45
68	255	-7.61	-9.85e-05	-2.88e-05	-22.43	0.0	2.01	0.66	-1.14e-03	-1.73e-03	-9.85e-05	-7.61
		-13.69	-5.68e-04	-8.47e-06	0.0	57.6	2.01	-21.77	-1.14e-03	-1.73e-03	-5.68e-04	-13.69
68	262	-4.06	-1.25e-03	-1.63e-05	-10.86	0.0	0.91	0.38	-7.07e-04	-1.71e-03	-1.25e-03	-4.06
		-6.97	-1.46e-03	-8.47e-06	0.0	57.6	0.91	-10.48	-7.07e-04	-1.71e-03	-1.46e-03	-6.97
68	268	-8.18	9.92e-04	-3.49e-05	-22.43	0.0	1.97	0.36	-2.07e-03	-2.05e-03	9.92e-04	-8.18
		-14.43	2.63e-05	-5.54e-06	0.0	57.6	1.97	-22.07	-2.07e-03	-2.05e-03	2.63e-05	-14.43
68	275	-6.73	1.45e-03	-2.88e-05	-18.96	0.0	1.64	0.44	-2.73e-03	-1.66e-03	1.45e-03	-6.73
		-11.94	6.74e-05	-4.75e-06	0.0	57.6	1.64	-18.52	-2.73e-03	-1.66e-03	6.74e-05	-11.94
68	285	-3.57	-1.01e-04	-1.42e-05	-10.86	0.0	0.88	0.79	7.50e-04	-9.43e-04	-6.33e-04	-3.58
		-6.25	-6.33e-04	-2.00e-06	0.0	57.6	0.88	-10.07	7.50e-04	-9.43e-04	-1.01e-04	-6.25
68	298	-6.46	3.28e-04	-2.57e-05	-18.96	0.0	1.65	0.70	-6.87e-04	-1.41e-03	3.28e-04	-6.46
		-11.52	8.28e-05	-4.14e-06	0.0	57.6	1.65	-18.26	-6.87e-04	-1.41e-03	8.28e-05	-11.52
68	299	-3.86	-1.42e-04	-1.68e-05	-10.86	0.0	0.87	0.58	-2.64e-04	-1.21e-03	-1.42e-04	-3.87
		-6.66	-1.61e-04	-2.41e-06	0.0	57.6	0.87	-10.27	-2.64e-04	-1.21e-03	-1.61e-04	-6.66
68	304	-3.70	-2.69e-04	-1.52e-05	-10.86	0.0	0.88	0.64	-3.63e-04	-1.13e-03	-2.69e-04	-3.71
		-6.47	-3.53e-04	-3.49e-06	0.0	57.6	0.88	-10.21	-3.63e-04	-1.13e-03	-3.53e-04	-6.47
68	307	-6.12	4.96e-04	-2.48e-05	-17.80	0.0	1.54	0.64	-1.04e-03	-1.41e-03	4.96e-04	-6.12
		-10.88	5.23e-05	-4.00e-06	0.0	57.6	1.54	-17.16	-1.04e-03	-1.41e-03	5.23e-05	-10.88
68	308	-3.68	-1.08e-04	-1.53e-05	-10.86	0.0	0.88	0.69	-6.72e-05	-1.04e-03	-1.82e-04	-3.69
		-6.42	-1.82e-04	-2.25e-06	0.0	57.6	0.88	-10.17	-6.72e-05	-1.04e-03	-1.08e-04	-6.42
68	309	-3.71	-6.97e-05	-1.56e-05	-10.86	0.0	0.88	0.66	-2.72e-04	-1.07e-03	-6.97e-05	-3.72
		-6.46	-1.09e-04	-2.31e-06	0.0	57.6	0.88	-10.19	-2.72e-04	-1.07e-03	-1.09e-04	-6.46
68	310	-6.06	2.71e-04	-2.43e-05	-17.80	0.0	1.54	0.69	-6.28e-04	-1.36e-03	2.71e-04	-6.07
		-10.80	5.53e-05	-3.88e-06	0.0	57.6	1.54	-17.11	-6.28e-04	-1.36e-03	5.53e-05	-10.80

69	4	-36.36	1.59e-03	-4.56e-04	-25.72	0.0	-2.84	-3.86	3.77e-03	-1.94e-03	-5.04e-04	-36.36
		-44.90	-5.04e-04	-4.18e-06	0.0	51.1	-2.84	-29.58	3.77e-03	-1.94e-03	1.59e-03	-44.90
69	44	-30.64	5.71e-04	-3.97e-04	-21.10	0.0	-2.56	-1.71	5.21e-03	-1.77e-03	-2.24e-03	-30.64
		-36.91	-2.24e-03	-1.38e-05	0.0	51.1	-2.56	-22.81	5.21e-03	-1.77e-03	5.71e-04	-36.91
69	51	-36.13	9.26e-04	-4.32e-04	-25.72	0.0	-2.64	-5.56	3.76e-03	-1.91e-03	-1.17e-03	-36.13
		-45.54	-1.17e-03	-6.82e-06	0.0	51.1	-2.64	-31.28	3.76e-03	-1.91e-03	9.26e-04	-45.54
69	52	-36.98	1.02e-03	-4.71e-04	-25.72	0.0	-2.95	-3.77	3.98e-03	-2.14e-03	-1.20e-03	-36.98
		-45.47	-1.20e-03	-7.15e-06	0.0	51.1	-2.95	-29.49	3.98e-03	-2.14e-03	1.02e-03	-45.47
69	93	-9.78	7.85e-04	-1.31e-04	-6.73	0.0	-0.85	0.23	1.73e-03	-5.03e-04	-1.42e-04	-9.78
		-11.38	-1.42e-04	-1.53e-06	0.0	51.1	-0.85	-6.49	1.73e-03	-5.03e-04	7.85e-04	-11.38
69	114	-11.32	0.02	-1.42e-04	-13.57	0.0	-0.36	-4.65	-6.50e-03	-0.01	0.02	-11.32
		-16.65	0.02	-7.02e-05	0.0	51.1	-0.36	-18.22	-6.50e-03	-0.01	0.02	-16.65
69	115	-27.14	-0.02	-3.31e-04	-13.57	0.0	-2.59	0.42	0.01	0.01	-0.02	-27.14
		-30.91	-0.02	6.32e-05	0.0	51.1	-2.59	-13.16	0.01	0.01	-0.02	-30.91
69	138	-7.68	0.01	-3.57e-05	-13.57	0.0	-0.44	1.17	7.87e-03	8.02e-04	9.30e-03	-7.70
		-10.60	9.30e-03	9.16e-06	0.0	51.1	-0.44	-12.41	7.87e-03	8.02e-04	0.01	-10.60
69	139	-30.76	-0.01	-4.37e-04	-13.57	0.0	-2.51	-5.40	-3.19e-03	-2.82e-03	-0.01	-30.76
		-36.96	-0.01	-1.61e-05	0.0	51.1	-2.51	-18.97	-3.19e-03	-2.82e-03	-0.01	-36.96
69	146	-10.33	0.02	-1.31e-04	-13.57	0.0	-0.22	-4.96	-7.58e-03	-0.01	0.02	-10.33
		-15.75	0.02	-7.81e-05	0.0	51.1	-0.22	-18.53	-7.58e-03	-0.01	0.02	-15.75
69	147	-28.13	-0.02	-3.42e-04	-13.57	0.0	-2.73	0.73	0.01	0.01	-0.02	-28.13
		-31.81	-0.02	7.12e-05	0.0	51.1	-2.73	-12.85	0.01	0.01	-0.02	-31.81
69	162	-8.99	0.02	-6.29e-05	-13.57	0.0	-0.22	1.20	0.01	5.48e-03	0.01	-9.01
		-11.94	0.01	8.05e-05	0.0	51.1	-0.22	-12.38	0.01	5.48e-03	0.02	-11.94
69	163	-29.45	-0.01	-4.10e-04	-13.57	0.0	-2.73	-5.43	-6.89e-03	-7.50e-03	-0.01	-29.45
		-35.62	-0.01	-8.74e-05	0.0	51.1	-2.73	-19.00	-6.89e-03	-7.50e-03	-0.01	-35.62
69	170	-6.16	0.01	-1.64e-05	-13.57	0.0	-0.30	1.60	8.63e-03	1.07e-03	0.01	-6.21
		-8.88	0.01	1.13e-05	0.0	51.1	-0.30	-11.97	8.63e-03	1.07e-03	0.01	-8.88
69	171	-32.25	-0.01	-4.64e-04	-13.57	0.0	-2.64	-5.83	-3.94e-03	-3.09e-03	-0.01	-32.25
		-38.67	-0.01	-1.83e-05	0.0	51.1	-2.64	-19.41	-3.94e-03	-3.09e-03	-0.01	-38.67
69	178	-10.41	0.02	-1.33e-04	-13.57	0.0	-0.23	-4.90	-7.31e-03	-0.01	0.02	-10.41
		-15.77	0.02	-7.55e-05	0.0	51.1	-0.23	-18.48	-7.31e-03	-0.01	0.02	-15.77
69	179	-28.06	-0.02	-3.40e-04	-13.57	0.0	-2.71	0.67	0.01	0.01	-0.02	-28.06
		-31.79	-0.02	6.85e-05	0.0	51.1	-2.71	-12.90	0.01	0.01	-0.02	-31.79
69	194	-8.78	0.02	-5.86e-05	-13.57	0.0	-0.20	1.25	0.01	5.87e-03	0.01	-8.81
		-11.68	0.01	8.93e-05	0.0	51.1	-0.20	-12.32	0.01	5.87e-03	0.02	-11.68
69	195	-29.66	-0.01	-4.15e-04	-13.57	0.0	-2.74	-5.49	-7.47e-03	-7.89e-03	-0.01	-29.66
		-35.88	-0.01	-9.62e-05	0.0	51.1	-2.74	-19.06	-7.47e-03	-7.89e-03	-0.01	-35.88
69	202	-5.94	0.01	-1.43e-05	-13.57	0.0	-0.30	1.67	8.98e-03	1.28e-03	0.01	-5.99
		-8.61	0.01	1.46e-05	0.0	51.1	-0.30	-11.90	8.98e-03	1.28e-03	0.01	-8.61
69	203	-32.47	-0.01	-4.68e-04	-13.57	0.0	-2.65	-5.91	-4.29e-03	-3.30e-03	-0.01	-32.47
		-38.95	-0.01	-2.15e-05	0.0	51.1	-2.65	-19.48	-4.29e-03	-3.30e-03	-0.01	-38.95
69	210	-8.88	0.03	-1.16e-04	-13.57	0.0	-0.02	-5.36	-8.84e-03	-0.02	0.03	-8.88
		-14.33	0.02	-8.59e-05	0.0	51.1	-0.02	-18.93	-8.84e-03	-0.02	0.02	-14.33
69	211	-29.59	-0.02	-3.57e-04	-13.57	0.0	-2.92	1.12	0.01	0.01	-0.03	-29.59
		-33.23	-0.03	7.89e-05	0.0	51.1	-2.92	-12.45	0.01	0.01	-0.02	-33.23
69	226	-6.72	0.02	-2.54e-05	-13.57	0.0	0.04	1.93	0.01	7.42e-03	0.01	-6.79
		-9.31	0.01	1.13e-04	0.0	51.1	0.04	-11.65	0.01	7.42e-03	0.02	-9.31
69	227	-31.68	-0.01	-4.50e-04	-13.57	0.0	-2.99	-6.16	-9.64e-03	-9.44e-03	-0.01	-31.68
		-38.25	-0.02	-1.20e-04	0.0	51.1	-2.99	-19.73	-9.64e-03	-9.44e-03	-0.02	-38.25
69	234	-3.44	0.02	3.71e-05	-13.57	0.0	-0.09	2.39	0.01	1.80e-03	0.01	-3.55
		-5.78	0.01	1.97e-05	0.0	51.1	-0.09	-11.18	0.01	1.80e-03	0.02	-5.78
69	235	-34.91	-0.01	-5.10e-04	-13.57	0.0	-2.86	-6.62	-5.65e-03	-3.82e-03	-0.01	-34.91
		-41.77	-0.02	-2.67e-05	0.0	51.1	-2.86	-20.20	-5.65e-03	-3.82e-03	-0.02	-41.77
69	244	-25.05	1.10e-03	-3.17e-04	-17.68	0.0	-1.98	-2.51	2.65e-03	-1.36e-03	-3.73e-04	-25.05
		-30.85	-3.73e-04	-2.98e-06	0.0	51.1	-1.98	-20.19	2.65e-03	-1.36e-03	1.10e-03	-30.85
69	264	-21.25	4.19e-04	-2.77e-04	-14.60	0.0	-1.79	-1.08	3.61e-03	-1.25e-03	-1.53e-03	-21.25
		-25.52	-1.53e-03	-9.39e-06	0.0	51.1	-1.79	-15.68	3.61e-03	-1.25e-03	4.19e-04	-25.52
69	267	-24.90	6.56e-04	-3.00e-04	-17.68	0.0	-1.85	-3.65	2.64e-03	-1.34e-03	-8.14e-04	-24.90
		-31.28	-8.14e-04	-4.74e-06	0.0	51.1	-1.85	-21.33	2.64e-03	-1.34e-03	6.56e-04	-31.28
69	268	-25.47	7.20e-04	-3.27e-04	-17.68	0.0	-2.05	-2.45	2.79e-03	-1.49e-03	-8.36e-04	-25.47
		-31.24	-8.36e-04	-4.96e-06	0.0	51.1	-2.05	-20.13	2.79e-03	-1.49e-03	7.20e-04	-31.24
69	285	-10.97	7.26e-04	-1.48e-04	-7.41	0.0	-0.96	0.17	1.79e-03	-5.99e-04	-2.40e-04	-10.97
		-12.78	-2.40e-04	-1.79e-06	0.0	51.1	-0.96	-7.24	1.79e-03	-5.99e-04	7.26e-04	-12.78
69	298	-20.56	7.90e-04	-2.50e-04	-14.60	0.0	-1.55	-2.50	2.46e-03	-1.06e-03	-5.61e-04	-20.56
		-25.56	-5.61e-04	-3.71e-06	0.0	51.1	-1.55	-17.10	2.46e-03	-1.06e-03	7.90e-04	-25.56
69	301	-19.46	7.76e-04	-2.47e-04	-13.57	0.0	-1.55	-1.64	2.40e-03	-1.07e-03	-5.45e-04	-19.46
		-23.76	-5.45e-04	-3.56e-06	0.0	51.1	-1.55	-15.21	2.40e-03	-1.07e-03	7.76e-04	-23.76
69	303	-19.22	7.94e-04	-2.37e-04	-13.57	0.0	-1.47	-2.14	2.24e-03	-1.01e-03	-4.42e-04	-19.22
		-23.78	-4.42e-04	-2.93e-06	0.0	51.1	-1.47	-15.71	2.24e-03	-1.01e-03	7.94e-04	-23.78
69	305	-19.26	6.64e-04	-2.37e-04	-13.57	0.0	-1.48	-2.07	2.55e-03	-1.02e-03	-7.25e-04	-19.26
		-23.78	-7.25e-04	-4.57e-06	0.0	51.1	-1.48	-15.64	2.55e-03	-1.02e-03	6.64e-04	-23.78
69	308	-11.22	5.59e-04	-1.54e-04	-7.41	0.0	-1.00	0.17	1.68e-03	-6.82e-04	-3.59e-04	-11.22
		-13.03	-3.59e-04	-2.02e-06	0.0	51.1	-1.00	-7.24	1.68e-03	-6.82e-04	5.59e-04	-13.03
69	309	-11.29	5.17e-04	-1.56e-04	-7.41	0.0	-1.01	0.17	1.66e-03	-7.03e-04	-3.89e-04	-11.29

		-13.10	-3.89e-04	-2.08e-06	0.0	51.1	-1.01	-7.24	1.66e-03	-7.03e-04	5.17e-04	-13.10
69	310	-19.23	7.51e-04	-2.37e-04	-13.57	0.0	-1.47	-2.12	2.34e-03	-1.01e-03	-5.36e-04	-19.23
		-23.78	-5.36e-04	-3.47e-06	0.0	51.1	-1.47	-15.69	2.34e-03	-1.01e-03	7.51e-04	-23.78
70	4	-42.10	1.67e-03	-1.00e-03	-25.72	0.0	-9.10	16.80	-6.93e-03	-1.23e-03	1.67e-03	-44.90
		-44.90	-1.67e-03	-3.97e-06	0.0	51.1	-9.10	-8.92	-6.93e-03	-1.23e-03	-1.67e-03	-42.89
70	51	-42.72	1.00e-03	-1.00e-03	-25.72	0.0	-9.09	16.88	-6.92e-03	-1.27e-03	1.00e-03	-45.54
		-45.54	-2.33e-03	-6.68e-06	0.0	51.1	-9.09	-8.84	-6.92e-03	-1.27e-03	-2.33e-03	-43.49
70	52	-42.56	1.10e-03	-1.02e-03	-25.72	0.0	-9.21	17.13	-7.88e-03	-1.32e-03	1.10e-03	-45.47
		-45.47	-2.72e-03	-6.99e-06	0.0	51.1	-9.21	-8.59	-7.88e-03	-1.32e-03	-2.72e-03	-43.29
70	68	-35.29	6.69e-04	-8.71e-04	-21.10	0.0	-7.71	14.51	-8.45e-03	-1.20e-03	6.69e-04	-37.84
		-37.84	-3.47e-03	-6.32e-06	0.0	51.1	-7.71	-6.59	-8.45e-03	-1.20e-03	-3.47e-03	-35.82
70	84	-10.50	8.77e-04	-3.07e-04	-6.73	0.0	-2.65	4.96	-3.54e-03	-4.20e-04	8.77e-04	-11.44
		-11.44	-8.65e-04	-2.22e-06	0.0	51.1	-2.65	-1.76	-3.54e-03	-4.20e-04	-8.65e-04	-10.62
70	93	-10.66	8.03e-04	-2.57e-04	-6.73	0.0	-2.37	4.36	-1.07e-03	-2.83e-04	8.03e-04	-11.38
		-11.38	3.07e-04	-1.44e-06	0.0	51.1	-2.37	-2.37	-1.07e-03	-2.83e-04	3.07e-04	-10.87
70	130	-13.00	0.03	-2.60e-04	-13.57	0.0	-3.67	3.52	0.04	-6.44e-04	0.01	-13.31
		-14.72	0.01	6.14e-05	0.0	51.1	-3.67	-10.06	0.04	-6.44e-04	0.03	-14.72
70	131	-30.70	-0.01	-7.93e-04	-13.57	0.0	-5.92	14.25	-0.04	-6.44e-04	-0.01	-34.25
		-34.25	-0.03	-6.81e-05	0.0	51.1	-5.92	0.68	-0.04	-6.44e-04	-0.03	-30.70
70	138	-10.49	0.03	-1.71e-04	-13.57	0.0	-3.68	2.03	0.03	-6.44e-04	0.01	-10.60
		-12.85	0.01	6.74e-06	0.0	51.1	-3.68	-11.54	0.03	-6.44e-04	0.03	-12.85
70	139	-32.57	-0.01	-8.82e-04	-13.57	0.0	-5.90	15.74	-0.04	-6.44e-04	-0.01	-36.96
		-36.96	-0.03	-1.35e-05	0.0	51.1	-5.90	2.17	-0.04	-6.44e-04	-0.03	-32.57
70	162	-11.73	0.04	-2.25e-04	-13.57	0.0	-3.52	2.81	0.04	-6.44e-04	0.01	-11.94
		-13.68	0.01	7.10e-05	0.0	51.1	-3.52	-10.76	0.04	-6.44e-04	0.04	-13.68
70	163	-31.74	-0.01	-8.28e-04	-13.57	0.0	-6.06	14.96	-0.05	-6.44e-04	-0.01	-35.62
		-35.62	-0.04	-7.77e-05	0.0	51.1	-6.06	1.38	-0.05	-6.44e-04	-0.04	-31.74
70	170	-8.84	0.03	-1.24e-04	-13.57	0.0	-3.54	1.14	0.04	-6.44e-04	0.01	-8.88
		-11.57	0.01	8.59e-06	0.0	51.1	-3.54	-12.44	0.04	-6.44e-04	0.03	-11.57
70	171	-33.85	-0.01	-9.29e-04	-13.57	0.0	-6.04	16.63	-0.04	-6.44e-04	-0.01	-38.67
		-38.67	-0.03	-1.53e-05	0.0	51.1	-6.04	3.06	-0.04	-6.44e-04	-0.03	-33.85
70	194	-11.49	0.04	-2.14e-04	-13.57	0.0	-3.51	2.65	0.04	-6.44e-04	0.02	-11.68
		-13.52	0.02	8.01e-05	0.0	51.1	-3.51	-10.92	0.04	-6.44e-04	0.04	-13.52
70	195	-31.89	-0.01	-8.39e-04	-13.57	0.0	-6.08	15.12	-0.05	-6.44e-04	-0.01	-35.88
		-35.88	-0.04	-8.68e-05	0.0	51.1	-6.08	1.55	-0.05	-6.44e-04	-0.04	-31.89
70	202	-8.57	0.03	-1.14e-04	-13.57	0.0	-3.53	0.98	0.04	-6.44e-04	0.01	-8.61
		-11.38	0.01	1.21e-05	0.0	51.1	-3.53	-12.59	0.04	-6.44e-04	0.03	-11.38
70	203	-34.03	-0.01	-9.39e-04	-13.57	0.0	-6.05	16.79	-0.04	-6.44e-04	-0.01	-38.95
		-38.95	-0.03	-1.88e-05	0.0	51.1	-6.05	3.22	-0.04	-6.44e-04	-0.03	-34.03
70	226	-9.23	0.04	-1.50e-04	-13.57	0.0	-3.26	1.42	0.05	-6.44e-04	0.02	-9.31
		-11.74	0.02	1.02e-04	0.0	51.1	-3.26	-12.16	0.05	-6.44e-04	0.04	-11.74
70	227	-33.67	-0.02	-9.03e-04	-13.57	0.0	-6.32	16.35	-0.06	-6.44e-04	-0.02	-38.25
		-38.25	-0.05	-1.09e-04	0.0	51.1	-6.32	2.78	-0.06	-6.44e-04	-0.05	-33.67
70	234	-5.78	0.04	-3.58e-05	-13.57	0.0	-3.30	-0.49	0.05	-6.44e-04	0.02	-5.78
		-9.29	0.02	1.69e-05	0.0	51.1	-3.30	-14.06	0.05	-6.44e-04	0.04	-9.29
70	235	-36.13	-0.01	-1.02e-03	-13.57	0.0	-6.28	18.26	-0.05	-6.44e-04	-0.01	-41.77
		-41.77	-0.04	-2.36e-05	0.0	51.1	-6.28	4.69	-0.05	-6.44e-04	-0.04	-36.13
70	244	-28.92	1.15e-03	-6.91e-04	-17.68	0.0	-6.27	11.57	-4.83e-03	-8.58e-04	1.15e-03	-30.85
		-30.85	-1.17e-03	-2.84e-06	0.0	51.1	-6.27	-6.11	-4.83e-03	-8.58e-04	-1.17e-03	-29.46
70	267	-29.34	7.10e-04	-6.91e-04	-17.68	0.0	-6.26	11.62	-4.82e-03	-8.79e-04	7.10e-04	-31.28
		-31.28	-1.62e-03	-4.65e-06	0.0	51.1	-6.26	-6.06	-4.82e-03	-8.79e-04	-1.62e-03	-29.86
70	268	-29.23	7.76e-04	-7.05e-04	-17.68	0.0	-6.34	11.79	-5.47e-03	-9.12e-04	7.76e-04	-31.24
		-31.24	-1.88e-03	-4.85e-06	0.0	51.1	-6.34	-5.89	-5.47e-03	-9.12e-04	-1.88e-03	-29.73
70	276	-24.38	4.86e-04	-6.03e-04	-14.60	0.0	-5.34	10.04	-5.85e-03	-8.37e-04	4.86e-04	-26.15
		-26.15	-2.38e-03	-4.40e-06	0.0	51.1	-5.34	-4.56	-5.85e-03	-8.37e-04	-2.38e-03	-24.75
70	281	-11.84	7.97e-04	-3.23e-04	-7.41	0.0	-2.83	5.32	-3.37e-03	-4.31e-04	7.97e-04	-12.81
		-12.81	-8.57e-04	-2.23e-06	0.0	51.1	-2.83	-2.09	-3.37e-03	-4.31e-04	-8.57e-04	-11.99
70	285	-11.94	7.47e-04	-2.90e-04	-7.41	0.0	-2.64	4.92	-1.72e-03	-3.40e-04	7.47e-04	-12.78
		-12.78	-7.49e-05	-1.70e-06	0.0	51.1	-2.64	-2.49	-1.72e-03	-3.40e-04	-7.49e-05	-12.16
70	298	-23.98	8.32e-04	-5.64e-04	-14.60	0.0	-5.14	9.51	-3.41e-03	-6.85e-04	8.32e-04	-25.56
		-25.56	-7.99e-04	-3.60e-06	0.0	51.1	-5.14	-5.08	-3.41e-03	-6.85e-04	-7.99e-04	-24.43
70	303	-22.30	8.35e-04	-5.27e-04	-13.57	0.0	-4.79	8.88	-3.44e-03	-6.50e-04	8.35e-04	-23.78
		-23.78	-8.19e-04	-2.82e-06	0.0	51.1	-4.79	-4.69	-3.44e-03	-6.50e-04	-8.19e-04	-22.71
70	307	-22.40	7.08e-04	-5.31e-04	-13.57	0.0	-4.81	8.96	-3.66e-03	-6.68e-04	7.08e-04	-23.91
		-23.91	-1.05e-03	-3.49e-06	0.0	51.1	-4.81	-4.61	-3.66e-03	-6.68e-04	-1.05e-03	-22.80
70	308	-12.15	5.83e-04	-3.00e-04	-7.41	0.0	-2.68	5.07	-2.44e-03	-3.88e-04	5.83e-04	-13.03
		-13.03	-6.02e-04	-1.94e-06	0.0	51.1	-2.68	-2.34	-2.44e-03	-3.88e-04	-6.02e-04	-12.33
70	309	-12.20	5.41e-04	-3.02e-04	-7.41	0.0	-2.69	5.11	-2.62e-03	-3.99e-04	5.41e-04	-13.10
		-13.10	-7.34e-04	-2.00e-06	0.0	51.1	-2.69	-2.31	-2.62e-03	-3.99e-04	-7.34e-04	-12.38
70	310	-22.30	7.90e-04	-5.27e-04	-13.57	0.0	-4.79	8.88	-3.30e-03	-6.44e-04	7.90e-04	-23.78
		-23.78	-7.89e-04	-3.37e-06	0.0	51.1	-4.79	-4.69	-3.30e-03	-6.44e-04	-7.89e-04	-22.71
71	52	-6.14	1.36e-03	-4.51e-05	-32.75	0.0	1.06	7.26	4.81e-03	-2.64e-03	-1.70e-03	-6.59
		-11.84	-1.70e-03	-8.18e-06	0.0	57.6	1.06	-25.48	4.81e-03	-2.64e-03	1.36e-03	-11.84
71	67	-4.95	2.08e-03	-3.81e-05	-27.54	0.0	1.21	6.29	6.91e-03	-2.13e-03	-2.11e-03	-5.36
		-9.67	-2.11e-03	-7.07e-06	0.0	57.6	1.21	-21.25	6.91e-03	-2.13e-03	2.08e-03	-9.67

71	68	-5.38	1.78e-03	-3.95e-05	-27.54	0.0	1.17	5.96	6.31e-03	-2.55e-03	-2.12e-03	-5.74
		-10.24	-2.12e-03	-7.42e-06	0.0	57.6	1.17	-21.58	6.31e-03	-2.55e-03	1.78e-03	-10.24
71	71	-4.10	2.11e-03	-3.13e-05	-21.74	0.0	1.08	4.73	6.88e-03	-1.73e-03	-2.02e-03	-4.39
		-7.93	-2.02e-03	-6.11e-06	0.0	57.6	1.08	-17.01	6.88e-03	-1.73e-03	2.11e-03	-7.93
71	93	-1.63	6.34e-04	-1.12e-05	-9.58	0.0	-0.09	2.36	-2.95e-03	-7.35e-04	6.34e-04	-1.80
		-3.20	-9.71e-04	-1.61e-06	0.0	57.6	-0.09	-7.23	-2.95e-03	-7.35e-04	-9.71e-04	-3.20
71	94	-2.06	6.22e-04	-1.24e-05	-9.58	0.0	-0.12	2.03	-3.55e-03	-1.15e-03	6.22e-04	-2.18
		-3.78	-1.27e-03	-1.96e-06	0.0	57.6	-0.12	-7.55	-3.55e-03	-1.15e-03	-1.27e-03	-3.78
71	133	-5.27	0.02	-4.09e-05	-17.80	0.0	4.50	2.13	0.07	-0.03	-0.02	-5.34
		-9.24	-0.02	-1.38e-04	0.0	57.6	4.50	-15.67	0.07	-0.03	0.02	-9.24
71	136	-0.75	0.02	3.15e-05	-17.80	0.0	-3.70	6.27	-0.07	0.02	0.02	-1.38
		-2.90	-0.02	1.30e-04	0.0	57.6	-3.70	-11.53	-0.07	0.02	-0.02	-2.90
71	137	-5.73	0.02	-4.16e-05	-17.80	0.0	4.69	1.73	0.07	-0.02	-0.02	-5.75
		-10.20	-0.02	-9.60e-05	0.0	57.6	4.69	-16.07	0.07	-0.02	0.02	-10.20
71	138	-0.55	0.01	1.75e-05	-17.80	0.0	-4.77	7.35	-0.05	-2.39e-03	0.01	-1.30
		-2.51	-0.01	1.93e-05	0.0	57.6	-4.77	-10.45	-0.05	-2.39e-03	-0.01	-2.51
71	139	-5.39	0.01	-3.10e-05	-17.80	0.0	5.57	1.05	0.05	-1.01e-04	-0.01	-5.43
		-9.62	-0.01	-2.71e-05	0.0	57.6	5.57	-16.75	0.05	-1.01e-04	0.01	-9.62
71	140	-0.13	0.02	3.33e-05	-17.80	0.0	-3.89	6.67	-0.07	0.02	0.02	-0.97
		-1.93	-0.02	8.82e-05	0.0	57.6	-3.89	-11.13	-0.07	0.02	-0.02	-1.93
71	165	-5.55	0.02	-4.39e-05	-17.80	0.0	5.04	1.85	0.08	-0.03	-0.02	-5.60
		-9.66	-0.02	-1.56e-04	0.0	57.6	5.04	-15.95	0.08	-0.03	0.02	-9.66
71	168	-0.43	0.02	3.59e-05	-17.80	0.0	-4.24	6.55	-0.08	0.03	0.02	-1.12
		-2.48	-0.02	1.48e-04	0.0	57.6	-4.24	-11.25	-0.08	0.03	-0.02	-2.48
71	169	-6.06	0.02	-4.49e-05	-17.80	0.0	5.25	1.40	0.08	-0.03	-0.02	-6.07
		-10.75	-0.02	-1.08e-04	0.0	57.6	5.25	-16.40	0.08	-0.03	0.02	-10.75
71	170	-0.21	0.01	2.02e-05	-17.80	0.0	-5.44	7.76	-0.05	-2.45e-03	0.01	-1.02
		-2.04	-0.02	2.28e-05	0.0	57.6	-5.44	-10.04	-0.05	-2.45e-03	-0.02	-2.04
71	171	-5.67	0.02	-3.23e-05	-17.80	0.0	6.24	0.64	0.06	-4.38e-05	-0.02	-5.70
		-10.09	-0.02	-3.06e-05	0.0	57.6	6.24	-17.16	0.06	-4.38e-05	0.02	-10.09
71	172	0.28	0.02	3.80e-05	-17.80	0.0	-4.45	7.00	-0.07	0.02	0.02	-0.66
		-1.39	-0.02	1.00e-04	0.0	57.6	-4.45	-10.80	-0.07	0.02	-0.02	-1.39
71	197	-5.62	0.02	-4.46e-05	-17.80	0.0	5.21	1.77	0.09	-0.03	-0.03	-5.67
		-9.78	-0.03	-1.65e-04	0.0	57.6	5.21	-16.03	0.09	-0.03	0.02	-9.78
71	200	-0.34	0.02	3.69e-05	-17.80	0.0	-4.41	6.63	-0.08	0.03	0.02	-1.05
		-2.36	-0.02	1.57e-04	0.0	57.6	-4.41	-11.17	-0.08	0.03	-0.02	-2.36
71	201	-6.13	0.02	-4.56e-05	-17.80	0.0	5.40	1.32	0.08	-0.03	-0.02	-6.14
		-10.86	-0.02	-1.11e-04	0.0	57.6	5.40	-16.49	0.08	-0.03	0.02	-10.86
71	202	-0.12	0.02	2.12e-05	-17.80	0.0	-5.58	7.83	-0.06	-1.97e-03	0.02	-0.96
		-1.93	-0.02	2.58e-05	0.0	57.6	-5.58	-9.97	-0.06	-1.97e-03	-0.02	-1.93
71	203	-5.74	0.02	-3.29e-05	-17.80	0.0	6.38	0.57	0.06	-5.25e-04	-0.02	-5.76
		-10.20	-0.02	-3.37e-05	0.0	57.6	6.38	-17.23	0.06	-5.25e-04	0.02	-10.20
71	204	0.37	0.02	3.89e-05	-17.80	0.0	-4.59	7.08	-0.08	0.02	0.02	-0.59
		-1.28	-0.02	1.03e-04	0.0	57.6	-4.59	-10.72	-0.08	0.02	-0.02	-1.28
71	229	-6.11	0.03	-5.05e-05	-17.80	0.0	6.20	1.28	0.10	-0.04	-0.03	-6.13
		-10.52	-0.03	-2.01e-04	0.0	57.6	6.20	-16.52	0.10	-0.04	0.03	-10.52
71	232	0.23	0.03	4.45e-05	-17.80	0.0	-5.40	7.12	-0.10	0.03	0.03	-0.59
		-1.61	-0.03	1.93e-04	0.0	57.6	-5.40	-10.68	-0.10	0.03	-0.03	-1.61
71	233	-6.66	0.03	-5.19e-05	-17.80	0.0	6.35	0.76	0.09	-0.03	-0.03	-6.66
		-11.76	-0.03	-1.32e-04	0.0	57.6	6.35	-17.04	0.09	-0.03	0.03	-11.76
71	234	0.47	0.02	2.59e-05	-17.80	0.0	-6.70	8.51	-0.07	-1.82e-03	0.02	-0.51
		-1.15	-0.02	3.30e-05	0.0	57.6	-6.70	-9.29	-0.07	-1.82e-03	-0.02	-1.15
71	235	-6.21	0.02	-3.54e-05	-17.80	0.0	7.50	-0.11	0.07	-6.75e-04	-0.02	-6.22
		-10.99	-0.02	-4.08e-05	0.0	57.6	7.50	-17.91	0.07	-6.75e-04	0.02	-10.99
71	236	1.06	0.03	4.67e-05	-17.80	0.0	-5.55	7.64	-0.09	0.03	0.03	-0.06
		-0.38	-0.03	1.24e-04	0.0	57.6	-5.55	-10.16	-0.09	0.03	-0.03	-0.38
71	268	-4.26	8.83e-04	-3.10e-05	-22.43	0.0	0.72	4.93	3.16e-03	-1.85e-03	-1.14e-03	-4.56
		-8.18	-1.14e-03	-5.67e-06	0.0	57.6	0.72	-17.50	3.16e-03	-1.85e-03	8.83e-04	-8.18
71	275	-3.46	1.37e-03	-2.64e-05	-18.96	0.0	0.82	4.28	4.55e-03	-1.51e-03	-1.41e-03	-3.74
		-6.73	-1.41e-03	-4.93e-06	0.0	57.6	0.82	-14.68	4.55e-03	-1.51e-03	1.37e-03	-6.73
71	276	-3.75	1.17e-03	-2.73e-05	-18.96	0.0	0.79	4.06	4.16e-03	-1.79e-03	-1.42e-03	-4.00
		-7.12	-1.42e-03	-5.16e-06	0.0	57.6	0.79	-14.90	4.16e-03	-1.79e-03	1.17e-03	-7.12
71	285	-1.82	3.59e-04	-1.30e-05	-10.86	0.0	0.04	2.70	-2.00e-03	-8.45e-04	3.59e-04	-2.01
		-3.58	-6.86e-04	-1.93e-06	0.0	57.6	0.04	-8.15	-2.00e-03	-8.45e-04	-6.86e-04	-3.58
71	286	-2.11	3.52e-04	-1.38e-05	-10.86	0.0	0.02	2.48	-2.40e-03	-1.12e-03	3.52e-04	-2.27
		-3.96	-8.88e-04	-2.16e-06	0.0	57.6	0.02	-8.37	-2.40e-03	-1.12e-03	-8.88e-04	-3.96
71	298	-3.27	2.52e-04	-2.46e-05	-18.96	0.0	0.43	4.47	9.03e-04	-1.30e-03	-4.12e-04	-3.57
		-6.46	-4.12e-04	-4.19e-06	0.0	57.6	0.43	-14.49	9.03e-04	-1.30e-03	2.52e-04	-6.46
71	307	-3.12	4.20e-04	-2.34e-05	-17.80	0.0	0.48	4.16	1.48e-03	-1.29e-03	-5.73e-04	-3.40
		-6.12	-5.73e-04	-4.07e-06	0.0	57.6	0.48	-13.64	1.48e-03	-1.29e-03	4.20e-04	-6.12
71	308	-1.90	-4.03e-05	-1.37e-05	-10.86	0.0	0.20	2.63	-5.37e-04	-9.31e-04	-4.03e-05	-2.08
		-3.69	-2.40e-04	-2.23e-06	0.0	57.6	0.20	-8.23	-5.37e-04	-9.31e-04	-2.40e-04	-3.69
71	309	-1.92	-1.29e-04	-1.39e-05	-10.86	0.0	0.24	2.61	-1.72e-04	-9.52e-04	-1.40e-04	-2.10
		-3.72	-1.40e-04	-2.31e-06	0.0	57.6	0.24	-8.25	-1.72e-04	-9.52e-04	-1.29e-04	-3.72
71	310	-3.08	1.97e-04	-2.31e-05	-17.80	0.0	0.40	4.20	7.50e-04	-1.25e-03	-3.73e-04	-3.36

		-6.07	-3.73e-04	-3.92e-06	0.0	57.6	0.40	-13.60	7.50e-04	-1.25e-03	1.97e-04	-6.07
72	19	-7.61	-7.91e-04	9.50e-06	-3.19	0.0	0.24	12.78	0.03	0.0	-0.02	-13.80
		-13.80	-0.02	1.09e-06	0.0	55.4	0.24	9.59	0.03	0.0	-7.91e-04	-7.61
72	28	-28.96	5.38e-04	6.84e-05	-11.84	0.0	0.06	46.16	-1.93e-03	0.0	5.38e-04	-51.25
		-51.25	-5.33e-04	-1.16e-05	0.0	55.4	0.06	34.33	-1.93e-03	0.0	-5.33e-04	-28.96
72	45	-8.22	0.02	3.88e-05	-3.19	0.0	-0.24	11.70	-0.03	0.0	0.02	-13.82
		-13.82	3.04e-04	-9.13e-06	0.0	55.4	-0.24	8.51	-0.03	0.0	3.04e-04	-8.22
72	68	-23.63	0.02	4.08e-05	-9.74	0.0	0.51	38.37	-0.03	0.0	0.02	-42.19
		-42.19	-2.02e-03	-5.01e-06	0.0	55.4	0.51	28.63	-0.03	0.0	-2.02e-03	-23.63
72	69	-7.76	0.02	9.99e-06	-3.19	0.0	0.37	12.52	-0.05	0.0	0.02	-13.81
		-13.81	-1.42e-03	0.0	0.0	55.4	0.37	9.33	-0.05	0.0	-1.42e-03	-7.76
72	92	-23.71	-5.32e-04	5.22e-05	-9.74	0.0	0.07	38.22	0.05	0.0	-0.03	-42.18
		-42.18	-0.03	-7.12e-06	0.0	55.4	0.07	28.47	0.05	0.0	-5.32e-04	-23.71
72	119	-19.00	0.32	1.64e-04	-6.29	0.0	6.14	19.76	-0.57	0.0	0.32	-31.75
		-31.75	4.57e-03	-4.31e-05	0.0	55.4	6.14	13.47	-0.57	0.0	4.57e-03	-19.00
72	125	-9.63	-0.01	-2.14e-04	-6.29	0.0	-1.98	31.80	0.18	0.0	-0.11	-24.71
		-24.71	-0.11	-1.27e-05	0.0	55.4	-1.98	25.51	0.18	0.0	-0.01	-9.63
72	130	-16.29	3.94e-03	9.97e-05	-6.29	0.0	-6.20	23.78	0.66	0.0	-0.36	-23.26
		-23.26	-0.36	1.42e-04	0.0	55.4	-6.20	17.49	0.66	0.0	3.94e-03	-16.29
72	131	-14.26	0.35	-4.42e-05	-6.29	0.0	6.47	25.70	-0.63	0.0	0.35	-31.20
		-31.20	-4.73e-03	-1.49e-04	0.0	55.4	6.47	19.41	-0.63	0.0	-4.73e-03	-14.26
72	138	-16.42	4.73e-03	1.08e-04	-6.29	0.0	-5.70	23.58	0.75	0.0	-0.41	-22.95
		-22.95	-0.41	4.71e-05	0.0	55.4	-5.70	17.29	0.75	0.0	4.73e-03	-16.42
72	139	-14.13	0.40	-5.28e-05	-6.29	0.0	5.97	25.89	-0.72	0.0	0.40	-31.51
		-31.51	-5.52e-03	-5.49e-05	0.0	55.4	5.97	19.60	-0.72	0.0	-5.52e-03	-14.13
72	151	-19.46	0.36	1.81e-04	-6.29	0.0	6.88	19.16	-0.65	0.0	0.36	-32.26
		-32.26	5.19e-03	-4.67e-05	0.0	55.4	6.88	12.86	-0.65	0.0	5.19e-03	-19.46
72	157	-8.94	-0.01	-2.44e-04	-6.29	0.0	-2.23	32.66	0.20	0.0	-0.12	-24.42
		-24.42	-0.12	-1.39e-05	0.0	55.4	-2.23	26.37	0.20	0.0	-0.01	-8.94
72	162	-16.41	4.49e-03	1.10e-04	-6.29	0.0	-7.03	23.66	0.74	0.0	-0.41	-22.80
		-22.80	-0.41	1.61e-04	0.0	55.4	-7.03	17.37	0.74	0.0	4.49e-03	-16.41
72	163	-14.13	0.39	-5.43e-05	-6.29	0.0	7.30	25.82	-0.72	0.0	0.39	-31.66
		-31.66	-5.28e-03	-1.69e-04	0.0	55.4	7.30	19.52	-0.72	0.0	-5.28e-03	-14.13
72	170	-16.56	5.39e-03	1.19e-04	-6.29	0.0	-6.46	23.45	0.84	0.0	-0.46	-22.46
		-22.46	-0.46	5.34e-05	0.0	55.4	-6.46	17.16	0.84	0.0	5.39e-03	-16.56
72	171	-13.99	0.45	-6.39e-05	-6.29	0.0	6.73	26.03	-0.82	0.0	0.45	-32.00
		-32.00	-6.18e-03	-6.13e-05	0.0	55.4	6.73	19.74	-0.82	0.0	-6.18e-03	-13.99
72	183	-19.36	0.36	1.77e-04	-6.29	0.0	6.79	19.33	-0.64	0.0	0.36	-31.87
		-31.87	5.09e-03	-3.94e-05	0.0	55.4	6.79	13.03	-0.64	0.0	5.09e-03	-19.36
72	189	-9.08	-0.01	-2.42e-04	-6.29	0.0	-2.13	32.37	0.19	0.0	-0.12	-24.67
		-24.67	-0.12	-1.45e-05	0.0	55.4	-2.13	26.08	0.19	0.0	-0.01	-9.08
72	194	-16.41	4.50e-03	1.16e-04	-6.29	0.0	-7.19	23.69	0.76	0.0	-0.42	-23.12
		-23.12	-0.42	1.65e-04	0.0	55.4	-7.19	17.40	0.76	0.0	4.50e-03	-16.41
72	195	-14.14	0.40	-6.06e-05	-6.29	0.0	7.46	25.79	-0.73	0.0	0.40	-31.35
		-31.35	-5.30e-03	-1.73e-04	0.0	55.4	7.46	19.50	-0.73	0.0	-5.30e-03	-14.14
72	202	-16.54	5.46e-03	1.25e-04	-6.29	0.0	-6.54	23.54	0.86	0.0	-0.47	-22.81
		-22.81	-0.47	5.31e-05	0.0	55.4	-6.54	17.25	0.86	0.0	5.46e-03	-16.54
72	203	-14.01	0.46	-6.91e-05	-6.29	0.0	6.81	25.94	-0.83	0.0	0.46	-31.65
		-31.65	-6.25e-03	-6.10e-05	0.0	55.4	6.81	19.64	-0.83	0.0	-6.25e-03	-14.01
72	215	-20.03	0.42	2.02e-04	-6.29	0.0	7.91	18.43	-0.75	0.0	0.42	-32.67
		-32.67	5.99e-03	-4.09e-05	0.0	55.4	7.91	12.14	-0.75	0.0	5.99e-03	-20.03
72	221	-8.05	-0.01	-2.87e-04	-6.29	0.0	-2.45	33.62	0.21	0.0	-0.13	-24.25
		-24.25	-0.13	-1.66e-05	0.0	55.4	-2.45	27.33	0.21	0.0	-0.01	-8.05
72	226	-16.66	5.53e-03	1.36e-04	-6.29	0.0	-8.61	23.45	0.90	0.0	-0.50	-22.39
		-22.39	-0.50	1.99e-04	0.0	55.4	-8.61	17.16	0.90	0.0	5.53e-03	-16.66
72	227	-13.88	0.48	-8.10e-05	-6.29	0.0	8.88	26.02	-0.88	0.0	0.48	-32.07
		-32.07	-6.32e-03	-2.07e-04	0.0	55.4	8.88	19.73	-0.88	0.0	-6.32e-03	-13.88
72	234	-16.80	6.59e-03	1.44e-04	-6.29	0.0	-7.75	23.30	1.02	0.0	-0.56	-22.04
		-22.04	-0.56	6.27e-05	0.0	55.4	-7.75	17.01	1.02	0.0	6.59e-03	-16.80
72	235	-13.75	0.54	-8.90e-05	-6.29	0.0	8.02	26.18	-0.99	0.0	0.54	-32.43
		-32.43	-7.39e-03	-7.05e-05	0.0	55.4	8.02	19.89	-0.99	0.0	-7.39e-03	-13.75
72	248	-8.43	-7.16e-04	1.32e-05	-3.50	0.0	0.19	13.88	0.02	0.0	-0.01	-15.15
		-15.15	-0.01	0.0	0.0	55.4	0.19	10.38	0.02	0.0	-7.16e-04	-8.43
72	256	-19.95	-9.00e-05	4.70e-05	-8.15	0.0	0.05	31.78	-5.37e-04	0.0	-9.00e-05	-35.29
		-35.29	-3.87e-04	-7.97e-06	0.0	55.4	0.05	23.63	-5.37e-04	0.0	-3.87e-04	-19.95
72	261	-8.84	0.01	3.24e-05	-3.50	0.0	-0.12	13.16	-0.02	0.0	0.01	-15.16
		-15.16	1.39e-05	-7.00e-06	0.0	55.4	-0.12	9.66	-0.02	0.0	1.39e-05	-8.84
72	273	-8.53	0.01	1.36e-05	-3.50	0.0	0.28	13.70	-0.03	0.0	0.01	-15.15
		-15.15	-1.13e-03	-1.52e-06	0.0	55.4	0.28	10.20	-0.03	0.0	-1.13e-03	-8.53
72	276	-16.40	0.01	2.86e-05	-6.76	0.0	0.35	26.59	-0.02	0.0	0.01	-29.25
		-29.25	-1.38e-03	-3.57e-06	0.0	55.4	0.35	19.83	-0.02	0.0	-1.38e-03	-16.40
72	288	-16.45	-3.87e-04	3.63e-05	-6.76	0.0	0.06	26.48	0.03	0.0	-0.02	-29.25
		-29.25	-0.02	-4.98e-06	0.0	55.4	0.06	19.73	0.03	0.0	-3.87e-04	-16.45
72	298	-16.39	-3.84e-04	3.35e-05	-6.76	0.0	0.14	26.59	0.01	0.0	-7.68e-03	-29.24
		-29.24	-7.68e-03	-4.17e-06	0.0	55.4	0.14	19.83	0.01	0.0	-3.84e-04	-16.39

72	302	-8.54	-5.21e-04	1.73e-05	-3.50	0.0	0.11	13.68	0.01	0.0	-6.82e-03	-15.15
		-15.15	-6.82e-03	-2.01e-06	0.0	55.4	0.11	10.18	0.01	0.0	-5.21e-04	-8.54
72	303	-15.25	-4.45e-04	3.03e-05	-6.29	0.0	0.16	24.79	0.02	0.0	-8.92e-03	-27.23
		-27.23	-8.92e-03	-3.47e-06	0.0	55.4	0.16	18.50	0.02	0.0	-4.45e-04	-15.25
72	304	-8.62	-3.75e-04	2.09e-05	-3.50	0.0	0.05	13.54	3.00e-03	0.0	-2.03e-03	-15.15
		-15.15	-2.03e-03	-3.37e-06	0.0	55.4	0.05	10.04	3.00e-03	0.0	-3.75e-04	-8.62
72	305	-15.33	-3.00e-04	3.37e-05	-6.29	0.0	0.09	24.64	6.93e-03	0.0	-4.14e-03	-27.23
		-27.23	-4.14e-03	-4.84e-06	0.0	55.4	0.09	18.35	6.93e-03	0.0	-3.00e-04	-15.33
72	307	-15.27	-5.29e-04	3.03e-05	-6.29	0.0	0.17	24.75	5.41e-03	0.0	-3.52e-03	-27.23
		-27.23	-3.52e-03	-3.74e-06	0.0	55.4	0.17	18.46	5.41e-03	0.0	-5.29e-04	-15.27
72	309	-8.57	-4.72e-04	1.85e-05	-3.50	0.0	0.09	13.64	8.58e-03	0.0	-5.22e-03	-15.15
		-15.15	-5.22e-03	-2.46e-06	0.0	55.4	0.09	10.14	8.58e-03	0.0	-4.72e-04	-8.57
72	310	-15.27	-3.97e-04	3.13e-05	-6.29	0.0	0.14	24.74	0.01	0.0	-7.33e-03	-27.23
		-27.23	-7.33e-03	-3.93e-06	0.0	55.4	0.14	18.45	0.01	0.0	-3.97e-04	-15.27
73	19	-3.97	4.24e-04	-1.56e-05	-3.19	0.0	0.04	8.18	-1.06e-03	-9.25e-04	4.24e-04	-7.61
		-7.61	1.80e-04	1.08e-06	0.0	55.4	0.04	4.99	-1.06e-03	-9.25e-04	1.80e-04	-3.97
73	27	-15.17	4.76e-03	-3.02e-05	-11.84	0.0	-1.48	30.71	-8.84e-03	-3.89e-03	4.76e-03	-28.90
		-28.90	1.27e-03	-1.09e-05	0.0	55.4	-1.48	18.88	-8.84e-03	-3.89e-03	1.27e-03	-15.17
73	28	-15.23	4.66e-03	-3.16e-05	-11.84	0.0	-1.52	30.71	-8.93e-03	-4.14e-03	4.66e-03	-28.96
		-28.96	1.24e-03	-1.14e-05	0.0	55.4	-1.52	18.87	-8.93e-03	-4.14e-03	1.24e-03	-15.23
73	44	-12.76	4.48e-03	-2.10e-05	-9.74	0.0	-1.66	25.34	-8.51e-03	-3.83e-03	4.48e-03	-24.10
		-24.10	1.17e-03	-1.31e-05	0.0	55.4	-1.66	15.59	-8.51e-03	-3.83e-03	1.17e-03	-12.76
73	69	-3.96	2.03e-04	-2.19e-05	-3.19	0.0	-0.30	8.47	-1.29e-03	-4.96e-04	2.03e-04	-7.76
		-7.76	-1.47e-04	-1.03e-06	0.0	55.4	-0.30	5.28	-1.29e-03	-4.96e-04	-1.47e-04	-3.96
73	70	-4.02	1.08e-04	-2.33e-05	-3.19	0.0	-0.35	8.46	-1.37e-03	-7.45e-04	1.08e-04	-7.82
		-7.82	-1.84e-04	-1.58e-06	0.0	55.4	-0.35	5.27	-1.37e-03	-7.45e-04	-1.84e-04	-4.02
73	122	-5.21	-2.22e-03	-6.56e-05	-6.29	0.0	-0.60	13.18	0.02	0.01	-0.01	-11.08
		-11.08	-0.01	4.16e-05	0.0	55.4	-0.60	6.89	0.02	0.01	-2.22e-03	-5.21
73	123	-10.79	0.02	2.64e-05	-6.29	0.0	-0.55	19.37	-0.03	-0.02	0.02	-19.46
		-19.46	3.41e-03	-4.93e-05	0.0	55.4	-0.55	13.08	-0.03	-0.02	3.41e-03	-10.79
73	125	-3.56	-2.30e-03	-1.34e-04	-6.29	0.0	0.81	14.46	0.01	-2.25e-03	-8.72e-03	-9.63
		-9.63	-8.72e-03	-1.31e-05	0.0	55.4	0.81	8.17	0.01	-2.25e-03	-2.30e-03	-3.56
73	128	-12.44	0.01	9.49e-05	-6.29	0.0	-1.96	18.08	-0.02	-1.76e-03	0.01	-20.91
		-20.91	3.50e-03	5.47e-06	0.0	55.4	-1.96	11.79	-0.02	-1.76e-03	3.50e-03	-12.44
73	129	-4.39	4.75e-03	-1.49e-04	-6.29	0.0	2.14	17.54	-0.01	-0.03	4.75e-03	-11.57
		-11.57	1.24e-03	-1.37e-04	0.0	55.4	2.14	11.25	-0.01	-0.03	1.24e-03	-4.39
73	132	-11.61	-4.33e-05	1.10e-04	-6.29	0.0	-3.29	15.01	3.52e-03	0.02	-5.19e-04	-18.97
		-18.97	-5.19e-04	1.29e-04	0.0	55.4	-3.29	8.71	3.52e-03	0.02	-4.33e-05	-11.61
73	154	-4.88	-2.56e-03	-7.11e-05	-6.29	0.0	-0.61	12.80	0.02	0.02	-0.01	-10.57
		-10.57	-0.01	4.77e-05	0.0	55.4	-0.61	6.51	0.02	0.02	-2.56e-03	-4.88
73	155	-11.13	0.02	3.18e-05	-6.29	0.0	-0.54	19.74	-0.03	-0.02	0.02	-19.98
		-19.98	3.76e-03	-5.54e-05	0.0	55.4	-0.54	13.45	-0.03	-0.02	3.76e-03	-11.13
73	157	-3.01	-2.66e-03	-1.49e-04	-6.29	0.0	0.99	14.25	0.01	-2.34e-03	-0.01	-8.94
		-8.94	-0.01	-1.44e-05	0.0	55.4	0.99	7.96	0.01	-2.34e-03	-2.66e-03	-3.01
73	160	-12.99	0.01	1.09e-04	-6.29	0.0	-2.14	18.30	-0.02	-1.67e-03	0.01	-21.61
		-21.61	3.86e-03	6.73e-06	0.0	55.4	-2.14	12.01	-0.02	-1.67e-03	3.86e-03	-12.99
73	161	-3.93	5.12e-03	-1.67e-04	-6.29	0.0	2.50	17.71	-0.01	-0.03	5.12e-03	-11.12
		-11.12	1.31e-03	-1.55e-04	0.0	55.4	2.50	11.42	-0.01	-0.03	1.31e-03	-3.93
73	164	-12.07	-1.17e-04	1.27e-04	-6.29	0.0	-3.65	14.84	4.56e-03	0.03	-8.91e-04	-19.43
		-19.43	-8.91e-04	1.47e-04	0.0	55.4	-3.65	8.55	4.56e-03	0.03	-1.17e-04	-12.07
73	186	-4.98	-2.50e-03	-6.83e-05	-6.29	0.0	-0.65	12.92	0.02	0.02	-0.01	-10.69
		-10.69	-0.01	4.98e-05	0.0	55.4	-0.65	6.63	0.02	0.02	-2.50e-03	-4.98
73	187	-11.03	0.02	2.90e-05	-6.29	0.0	-0.49	19.63	-0.03	-0.02	0.02	-19.86
		-19.86	3.70e-03	-5.75e-05	0.0	55.4	-0.49	13.34	-0.03	-0.02	3.70e-03	-11.03
73	189	-3.07	-2.62e-03	-1.48e-04	-6.29	0.0	1.00	14.34	0.01	-2.70e-03	-9.83e-03	-9.08
		-9.08	-9.83e-03	-1.50e-05	0.0	55.4	1.00	8.05	0.01	-2.70e-03	-2.62e-03	-3.07
73	192	-12.94	0.01	1.09e-04	-6.29	0.0	-2.14	18.20	-0.02	-1.32e-03	0.01	-21.46
		-21.46	3.81e-03	7.29e-06	0.0	55.4	-2.14	11.91	-0.02	-1.32e-03	3.81e-03	-12.94
73	193	-3.86	5.35e-03	-1.72e-04	-6.29	0.0	2.62	17.73	-0.01	-0.03	5.35e-03	-11.19
		-11.19	1.26e-03	-1.64e-04	0.0	55.4	2.62	11.44	-0.01	-0.03	1.26e-03	-3.86
73	196	-12.14	-6.35e-05	1.32e-04	-6.29	0.0	-3.77	14.82	5.11e-03	0.03	-1.12e-03	-19.35
		-19.35	-1.12e-03	1.57e-04	0.0	55.4	-3.77	8.53	5.11e-03	0.03	-6.35e-05	-12.14
73	218	-4.52	-3.02e-03	-7.45e-05	-6.29	0.0	-0.70	12.35	0.02	0.02	-0.02	-9.96
		-9.96	-0.02	6.09e-05	0.0	55.4	-0.70	6.06	0.02	0.02	-3.02e-03	-4.52
73	219	-11.48	0.02	3.52e-05	-6.29	0.0	-0.44	20.20	-0.03	-0.02	0.02	-20.58
		-20.58	4.21e-03	-6.86e-05	0.0	55.4	-0.44	13.91	-0.03	-0.02	4.21e-03	-11.48
73	221	-2.24	-3.15e-03	-1.71e-04	-6.29	0.0	1.27	14.04	0.01	-3.06e-03	-0.01	-8.05
		-8.05	-0.01	-1.73e-05	0.0	55.4	1.27	7.75	0.01	-3.06e-03	-3.15e-03	-2.24
73	224	-13.77	0.02	1.31e-04	-6.29	0.0	-2.42	18.51	-0.02	-9.58e-04	0.02	-22.49
		-22.49	4.35e-03	9.57e-06	0.0	55.4	-2.42	12.22	-0.02	-9.58e-04	4.35e-03	-13.77
73	225	-3.05	6.10e-03	-2.02e-04	-6.29	0.0	3.27	18.03	-0.02	-0.04	6.10e-03	-10.44
		-10.44	1.40e-03	-1.99e-04	0.0	55.4	3.27	11.74	-0.02	-0.04	1.40e-03	-3.05
73	228	-12.95	-2.03e-04	1.63e-04	-6.29	0.0	-4.42	14.52	7.13e-03	0.04	-1.87e-03	-20.10
		-20.10	-1.87e-03	1.92e-04	0.0	55.4	-4.42	8.23	7.13e-03	0.04	-2.03e-04	-12.95
73	248	-4.42	7.38e-04	-1.48e-05	-3.50	0.0	-0.11	9.00	-1.63e-03	-1.12e-03	7.38e-04	-8.43

		-8.43	2.52e-04	0.0	0.0	55.4	-0.11	5.50	-1.63e-03	-1.12e-03	2.52e-04	-4.42
73	255	-10.45	3.26e-03	-2.09e-05	-8.15	0.0	-1.01	21.15	-6.07e-03	-2.70e-03	3.26e-03	-19.91
		-19.91	8.80e-04	-7.48e-06	0.0	55.4	-1.01	12.99	-6.07e-03	-2.70e-03	8.80e-04	-10.45
73	256	-10.49	3.20e-03	-2.19e-05	-8.15	0.0	-1.04	21.14	-6.13e-03	-2.86e-03	3.20e-03	-19.95
		-19.95	8.56e-04	-7.85e-06	0.0	55.4	-1.04	12.99	-6.13e-03	-2.86e-03	8.56e-04	-10.49
73	264	-8.85	3.08e-03	-1.48e-05	-6.76	0.0	-1.14	17.56	-5.85e-03	-2.66e-03	3.08e-03	-16.70
		-16.70	8.10e-04	-8.94e-06	0.0	55.4	-1.14	10.80	-5.85e-03	-2.66e-03	8.10e-04	-8.85
73	273	-4.41	5.90e-04	-1.90e-05	-3.50	0.0	-0.34	9.19	-1.78e-03	-8.32e-04	5.90e-04	-8.53
		-8.53	3.45e-05	-1.59e-06	0.0	55.4	-0.34	5.69	-1.78e-03	-8.32e-04	3.45e-05	-4.41
73	274	-4.45	5.27e-04	-2.00e-05	-3.50	0.0	-0.38	9.19	-1.83e-03	-9.98e-04	5.27e-04	-8.57
		-8.57	1.02e-05	-1.95e-06	0.0	55.4	-0.38	5.69	-1.83e-03	-9.98e-04	1.02e-05	-4.45
73	298	-8.58	2.27e-03	-2.10e-05	-6.76	0.0	-0.61	17.48	-4.35e-03	-2.13e-03	2.27e-03	-16.39
		-16.39	6.39e-04	-4.08e-06	0.0	55.4	-0.61	10.72	-4.35e-03	-2.13e-03	6.39e-04	-8.58
73	302	-4.51	1.09e-03	-1.19e-05	-3.50	0.0	-0.31	9.03	-2.21e-03	-1.26e-03	1.09e-03	-8.54
		-8.54	3.30e-04	-1.98e-06	0.0	55.4	-0.31	5.54	-2.21e-03	-1.26e-03	3.30e-04	-4.51
73	305	-8.05	2.29e-03	-1.82e-05	-6.29	0.0	-0.67	16.29	-4.35e-03	-2.08e-03	2.29e-03	-15.33
		-15.33	6.37e-04	-4.74e-06	0.0	55.4	-0.67	10.00	-4.35e-03	-2.08e-03	6.37e-04	-8.05
73	306	-4.51	1.06e-03	-1.28e-05	-3.50	0.0	-0.36	9.07	-2.24e-03	-1.21e-03	1.06e-03	-8.56
		-8.56	2.87e-04	-2.26e-06	0.0	55.4	-0.36	5.57	-2.24e-03	-1.21e-03	2.87e-04	-4.51
73	309	-4.53	1.17e-03	-1.12e-05	-3.50	0.0	-0.36	9.04	-2.35e-03	-1.30e-03	1.17e-03	-8.57
		-8.57	3.50e-04	-2.43e-06	0.0	55.4	-0.36	5.54	-2.35e-03	-1.30e-03	3.50e-04	-4.53
73	310	-8.00	2.11e-03	-1.96e-05	-6.29	0.0	-0.57	16.27	-4.06e-03	-2.01e-03	2.11e-03	-15.27
		-15.27	5.98e-04	-3.84e-06	0.0	55.4	-0.57	9.98	-4.06e-03	-2.01e-03	5.98e-04	-8.00
74	19	-2.03	2.70e-04	-1.69e-05	-3.19	0.0	0.09	5.10	-1.88e-03	-8.23e-04	2.70e-04	-3.97
		-3.97	-6.68e-04	1.10e-06	0.0	55.4	0.09	1.91	-1.88e-03	-8.23e-04	-6.68e-04	-2.03
74	28	-7.86	1.65e-03	-4.19e-05	-11.84	0.0	-1.48	19.23	-3.53e-03	-3.98e-03	1.65e-03	-15.23
		-15.23	1.68e-04	-1.13e-05	0.0	55.4	-1.48	7.39	-3.53e-03	-3.98e-03	1.68e-04	-7.86
74	44	-6.65	1.55e-03	-3.13e-05	-9.74	0.0	-1.66	15.90	-3.11e-03	-3.70e-03	1.55e-03	-12.76
		-12.76	2.67e-04	-1.30e-05	0.0	55.4	-1.66	6.16	-3.11e-03	-3.70e-03	2.67e-04	-6.65
74	66	-3.14	1.10e-04	-2.98e-05	-4.86	0.0	-0.46	7.90	-9.34e-03	-5.44e-04	1.10e-04	-6.17
		-6.17	-4.95e-03	-2.58e-06	0.0	55.4	-0.46	3.04	-9.34e-03	-5.44e-04	-4.95e-03	-3.14
74	69	-1.97	-8.90e-05	-2.09e-05	-3.19	0.0	-0.25	5.18	-7.89e-03	1.57e-04	-8.90e-05	-3.96
		-3.96	-4.44e-03	-1.03e-06	0.0	55.4	-0.25	1.99	-7.89e-03	1.57e-04	-4.44e-03	-1.97
74	95	-5.31	2.15e-03	-2.64e-05	-8.07	0.0	-0.67	13.04	9.79e-04	-3.02e-03	1.27e-03	-10.30
		-10.30	1.27e-03	-5.32e-06	0.0	55.4	-0.67	4.97	9.79e-04	-3.02e-03	2.15e-03	-5.31
74	125	-0.80	-2.09e-03	-9.59e-05	-6.29	0.0	0.91	8.01	-0.02	-3.41e-03	-2.09e-03	-3.56
		-3.56	-0.01	-6.65e-04	0.0	55.4	0.91	1.72	-0.02	-3.41e-03	-0.01	-0.80
74	128	-7.42	0.01	4.75e-05	-6.29	0.0	-1.97	12.33	0.02	-4.53e-04	3.68e-03	-12.44
		-12.44	3.68e-03	6.58e-04	0.0	55.4	-1.97	6.04	0.02	-4.53e-04	0.01	-7.42
74	129	-1.17	4.06e-03	-1.02e-04	-6.29	0.0	2.05	8.72	-0.07	-0.02	4.06e-03	-4.39
		-4.39	-0.03	-1.39e-04	0.0	55.4	2.05	2.43	-0.07	-0.02	-0.03	-1.17
74	132	-7.05	0.03	5.40e-05	-6.29	0.0	-3.11	11.62	0.06	0.02	-2.47e-03	-11.61
		-11.61	-2.47e-03	1.31e-04	0.0	55.4	-3.11	5.33	0.06	0.02	0.03	-7.05
74	137	-0.98	2.69e-03	-1.08e-04	-6.29	0.0	1.78	8.68	-0.08	-0.02	2.69e-03	-4.19
		-4.19	-0.04	-4.44e-05	0.0	55.4	1.78	2.39	-0.08	-0.02	-0.04	-0.98
74	140	-7.24	0.04	6.00e-05	-6.29	0.0	-2.84	11.67	0.07	0.01	-1.10e-03	-11.81
		-11.81	-1.10e-03	3.68e-05	0.0	55.4	-2.84	5.38	0.07	0.01	0.04	-7.24
74	157	-0.38	-2.44e-03	-1.05e-04	-6.29	0.0	1.09	7.75	-0.03	-3.63e-03	-2.44e-03	-3.01
		-3.01	-0.02	-7.50e-04	0.0	55.4	1.09	1.46	-0.03	-3.63e-03	-0.02	-0.38
74	160	-7.83	0.02	5.66e-05	-6.29	0.0	-2.15	12.59	0.02	-2.26e-04	4.03e-03	-12.99
		-12.99	4.03e-03	7.42e-04	0.0	55.4	-2.15	6.30	0.02	-2.26e-04	0.02	-7.83
74	161	-0.79	4.50e-03	-1.13e-04	-6.29	0.0	2.40	8.55	-0.08	-0.03	4.50e-03	-3.93
		-3.93	-0.04	-1.58e-04	0.0	55.4	2.40	2.26	-0.08	-0.03	-0.04	-0.79
74	164	-7.43	0.04	6.44e-05	-6.29	0.0	-3.46	11.79	0.07	0.02	-2.91e-03	-12.07
		-12.07	-2.91e-03	1.50e-04	0.0	55.4	-3.46	5.50	0.07	0.02	0.04	-7.43
74	169	-0.57	2.95e-03	-1.19e-04	-6.29	0.0	2.08	8.50	-0.08	-0.02	2.95e-03	-3.70
		-3.70	-0.04	-5.02e-05	0.0	55.4	2.08	2.21	-0.08	-0.02	-0.04	-0.57
74	172	-7.64	0.04	7.10e-05	-6.29	0.0	-3.14	11.84	0.08	0.02	-1.36e-03	-12.30
		-12.30	-1.36e-03	4.26e-05	0.0	55.4	-3.14	5.55	0.08	0.02	0.04	-7.64
74	189	-0.41	-2.34e-03	-1.05e-04	-6.29	0.0	1.10	7.83	-0.03	-3.90e-03	-2.34e-03	-3.07
		-3.07	-0.02	-7.54e-04	0.0	55.4	1.10	1.53	-0.03	-3.90e-03	-0.02	-0.41
74	192	-7.81	0.02	5.64e-05	-6.29	0.0	-2.15	12.52	0.02	4.26e-05	3.94e-03	-12.94
		-12.94	3.94e-03	7.46e-04	0.0	55.4	-2.15	6.23	0.02	4.26e-05	0.02	-7.81
74	193	-0.71	4.71e-03	-1.16e-04	-6.29	0.0	2.51	8.61	-0.08	-0.03	4.71e-03	-3.86
		-3.86	-0.04	-1.67e-04	0.0	55.4	2.51	2.32	-0.08	-0.03	-0.04	-0.71
74	196	-7.51	0.04	6.73e-05	-6.29	0.0	-3.57	11.74	0.08	0.02	-3.12e-03	-12.14
		-12.14	-3.12e-03	1.59e-04	0.0	55.4	-3.57	5.45	0.08	0.02	0.04	-7.51
74	201	-0.51	3.06e-03	-1.22e-04	-6.29	0.0	2.15	8.56	-0.09	-0.02	3.06e-03	-3.65
		-3.65	-0.04	-5.44e-05	0.0	55.4	2.15	2.27	-0.09	-0.02	-0.04	-0.51
74	204	-7.71	0.04	7.34e-05	-6.29	0.0	-3.21	11.78	0.08	0.02	-1.46e-03	-12.35
		-12.35	-1.46e-03	4.68e-05	0.0	55.4	-3.21	5.49	0.08	0.02	0.04	-7.71
74	224	-8.43	0.02	7.02e-05	-6.29	0.0	-2.44	12.91	0.03	5.46e-04	4.42e-03	-13.77
		-13.77	4.42e-03	8.80e-04	0.0	55.4	-2.44	6.62	0.03	5.46e-04	0.02	-8.43
74	225	-0.03	5.56e-03	-1.34e-04	-6.29	0.0	3.13	8.33	-0.10	-0.03	5.56e-03	-3.05
		-3.05	-0.04	-2.02e-04	0.0	55.4	3.13	2.03	-0.10	-0.03	-0.04	-0.03

74	228	-8.19	0.04	8.58e-05	-6.29	0.0	-4.19	12.02	0.09	0.03	-3.96e-03	-12.95
		-12.95	-3.96e-03	1.95e-04	0.0	55.4	-4.19	5.73	0.09	0.03	0.04	-8.19
74	233	0.17	3.51e-03	-1.40e-04	-6.29	0.0	2.67	8.28	-0.10	-0.02	3.51e-03	-2.84
		-2.84	-0.05	-6.59e-05	0.0	55.4	2.67	1.99	-0.10	-0.02	-0.05	0.17
74	236	-8.38	0.05	9.19e-05	-6.29	0.0	-3.72	12.07	0.10	0.02	-1.92e-03	-13.16
		-13.16	-1.92e-03	5.83e-05	0.0	55.4	-3.72	5.78	0.10	0.02	0.05	-8.38
74	237	0.27	3.59e-03	-1.42e-04	-6.29	0.0	2.64	8.23	-0.10	-0.03	3.59e-03	-2.71
		-2.71	-0.05	-3.25e-04	0.0	55.4	2.64	1.94	-0.10	-0.03	-0.05	0.27
74	248	-2.27	3.62e-04	-1.69e-05	-3.50	0.0	-0.07	5.62	-1.90e-03	-1.01e-03	3.62e-04	-4.42
		-4.42	-5.68e-04	0.0	0.0	55.4	-0.07	2.12	-1.90e-03	-1.01e-03	-5.68e-04	-2.27
74	256	-5.42	1.14e-03	-2.90e-05	-8.15	0.0	-1.01	13.24	-2.51e-03	-2.76e-03	1.14e-03	-10.49
		-10.49	7.73e-05	-7.78e-06	0.0	55.4	-1.01	5.09	-2.51e-03	-2.76e-03	7.73e-05	-5.42
74	264	-4.62	1.07e-03	-2.19e-05	-6.76	0.0	-1.13	11.02	-2.23e-03	-2.57e-03	1.07e-03	-8.85
		-8.85	1.43e-04	-8.88e-06	0.0	55.4	-1.13	4.26	-2.23e-03	-2.57e-03	1.43e-04	-4.62
74	273	-2.24	1.23e-04	-1.96e-05	-3.50	0.0	-0.30	5.68	-5.91e-03	-3.59e-04	1.23e-04	-4.41
		-4.41	-3.08e-03	-1.58e-06	0.0	55.4	-0.30	2.18	-5.91e-03	-3.59e-04	-3.08e-03	-2.24
74	274	-2.27	1.15e-04	-2.09e-05	-3.50	0.0	-0.33	5.69	-6.39e-03	-4.68e-04	1.15e-04	-4.45
		-4.45	-3.34e-03	-1.95e-06	0.0	55.4	-0.33	2.19	-6.39e-03	-4.68e-04	-3.34e-03	-2.27
74	287	-4.46	1.31e-03	-2.32e-05	-6.76	0.0	-0.58	10.92	1.71e-06	-2.48e-03	1.03e-03	-8.64
		-8.64	1.03e-03	-4.44e-06	0.0	55.4	-0.58	4.16	1.71e-06	-2.48e-03	1.31e-03	-4.46
74	298	-4.40	8.50e-04	-2.58e-05	-6.76	0.0	-0.56	10.92	-2.09e-03	-2.05e-03	8.50e-04	-8.58
		-8.58	-6.13e-05	-4.03e-06	0.0	55.4	-0.56	4.17	-2.09e-03	-2.05e-03	-6.13e-05	-4.40
74	302	-2.34	4.55e-04	-1.48e-05	-3.50	0.0	-0.29	5.66	-1.77e-03	-1.18e-03	4.55e-04	-4.51
		-4.51	-3.84e-04	-1.95e-06	0.0	55.4	-0.29	2.16	-1.77e-03	-1.18e-03	-3.84e-04	-2.34
74	305	-4.14	8.43e-04	-2.31e-05	-6.29	0.0	-0.64	10.19	-1.97e-03	-2.01e-03	8.43e-04	-8.05
		-8.05	-8.59e-06	-4.69e-06	0.0	55.4	-0.64	3.90	-1.97e-03	-2.01e-03	-8.59e-06	-4.14
74	306	-2.34	4.07e-04	-1.53e-05	-3.50	0.0	-0.33	5.67	-2.57e-03	-1.05e-03	4.07e-04	-4.51
		-4.51	-8.86e-04	-2.24e-06	0.0	55.4	-0.33	2.17	-2.57e-03	-1.05e-03	-8.86e-04	-2.34
74	309	-2.36	4.78e-04	-1.42e-05	-3.50	0.0	-0.34	5.66	-1.74e-03	-1.22e-03	4.78e-04	-4.53
		-4.53	-3.38e-04	-2.40e-06	0.0	55.4	-0.34	2.17	-1.74e-03	-1.22e-03	-3.38e-04	-2.36
74	310	-4.11	7.97e-04	-2.42e-05	-6.29	0.0	-0.53	10.17	-2.04e-03	-1.93e-03	7.97e-04	-8.00
		-8.00	-1.01e-04	-3.80e-06	0.0	55.4	-0.53	3.88	-2.04e-03	-1.93e-03	-1.01e-04	-4.11
75	19	-1.01	1.30e-04	-1.56e-05	-3.19	0.0	0.17	3.43	1.40e-03	-1.83e-04	-6.53e-04	-2.03
		-2.03	-6.53e-04	1.03e-06	0.0	55.4	0.17	0.24	1.40e-03	-1.83e-04	1.30e-04	-1.01
75	28	-3.97	1.03e-03	-4.09e-05	-11.84	0.0	-1.46	12.94	1.16e-03	-1.51e-03	2.72e-04	-7.86
		-7.86	2.72e-04	-1.13e-05	0.0	55.4	-1.46	1.10	1.16e-03	-1.51e-03	1.03e-03	-3.97
75	44	-3.40	9.39e-04	-3.21e-05	-9.74	0.0	-1.70	10.74	8.36e-04	-1.42e-03	3.64e-04	-6.65
		-6.65	3.64e-04	-1.29e-05	0.0	55.4	-1.70	1.00	8.36e-04	-1.42e-03	9.39e-04	-3.40
75	66	-1.55	1.02e-03	-2.76e-05	-4.86	0.0	-0.48	5.30	0.01	6.65e-04	-4.98e-03	-3.14
		-3.14	-4.98e-03	-3.13e-06	0.0	55.4	-0.48	0.44	0.01	6.65e-04	1.02e-03	-1.55
75	69	-0.95	9.00e-04	-1.85e-05	-3.19	0.0	-0.28	3.44	9.92e-03	7.65e-04	-4.48e-03	-1.97
		-1.97	-4.48e-03	-1.53e-06	0.0	55.4	-0.28	0.25	9.92e-03	7.65e-04	9.00e-04	-0.95
75	95	-2.69	2.25e-03	-2.57e-05	-8.07	0.0	-0.59	8.77	-3.80e-03	-1.51e-03	2.25e-03	-5.31
		-5.31	2.87e-04	-5.05e-06	0.0	55.4	-0.59	0.70	-3.80e-03	-1.51e-03	2.87e-04	-2.69
75	113	-0.02	-2.00e-03	-5.98e-05	-6.29	0.0	2.24	5.06	0.04	-0.01	-0.02	-1.16
		-1.16	-0.02	-4.37e-05	0.0	55.4	2.24	-1.23	0.04	-0.01	-2.00e-03	-0.09
75	116	-4.05	0.02	1.40e-05	-6.29	0.0	-3.21	8.60	-0.04	0.01	0.02	-7.06
		-7.06	2.95e-03	3.61e-05	0.0	55.4	-3.21	2.31	-0.04	0.01	2.95e-03	-4.05
75	128	-4.30	0.01	1.84e-05	-6.29	0.0	-3.08	8.79	-0.03	0.0	0.01	-7.42
		-7.42	6.61e-04	1.44e-05	0.0	55.4	-3.08	2.50	-0.03	0.0	6.61e-04	-4.30
75	137	0.27	8.62e-03	-7.41e-05	-6.29	0.0	1.46	5.29	0.08	-0.01	-0.03	-0.98
		-0.98	-0.03	-5.10e-05	0.0	55.4	1.46	-1.00	0.08	-0.01	8.62e-03	0.23
75	140	-4.36	0.03	2.82e-05	-6.29	0.0	-2.43	8.38	-0.08	9.24e-03	0.03	-7.24
		-7.24	-7.66e-03	4.34e-05	0.0	55.4	-2.43	2.09	-0.08	9.24e-03	-7.66e-03	-4.36
75	141	0.33	9.27e-03	-7.51e-05	-6.29	0.0	1.44	5.24	0.08	-7.85e-03	-0.03	-0.89
		-0.89	-0.03	-5.30e-05	0.0	55.4	1.44	-1.05	0.08	-7.85e-03	9.27e-03	0.29
75	145	0.25	-2.27e-03	-6.46e-05	-6.29	0.0	2.58	4.84	0.05	-0.01	-0.02	-0.79
		-0.79	-0.02	-5.03e-05	0.0	55.4	2.58	-1.45	0.05	-0.01	-2.27e-03	0.16
75	148	-4.30	0.02	1.87e-05	-6.29	0.0	-3.55	8.82	-0.04	0.01	0.02	-7.43
		-7.43	3.22e-03	4.27e-05	0.0	55.4	-3.55	2.53	-0.04	0.01	3.22e-03	-4.30
75	160	-4.58	0.02	2.37e-05	-6.29	0.0	-3.40	9.03	-0.03	1.12e-04	0.02	-7.83
		-7.83	6.62e-04	1.68e-05	0.0	55.4	-3.40	2.74	-0.03	1.12e-04	6.62e-04	-4.58
75	169	0.58	9.70e-03	-8.08e-05	-6.29	0.0	1.71	5.09	0.09	-0.01	-0.04	-0.57
		-0.57	-0.04	-5.77e-05	0.0	55.4	1.71	-1.20	0.09	-0.01	9.70e-03	0.52
75	172	-4.66	0.04	3.49e-05	-6.29	0.0	-2.68	8.57	-0.09	0.01	0.04	-7.64
		-7.64	-8.74e-03	5.01e-05	0.0	55.4	-2.68	2.28	-0.09	0.01	-8.74e-03	-4.66
75	173	0.66	0.01	-8.19e-05	-6.29	0.0	1.69	5.03	0.09	-8.78e-03	-0.04	-0.47
		-0.47	-0.04	-5.95e-05	0.0	55.4	1.69	-1.26	0.09	-8.78e-03	0.01	0.59
75	177	0.26	-2.02e-03	-6.52e-05	-6.29	0.0	2.57	4.86	0.05	-0.01	-0.02	-0.79
		-0.79	-0.02	-5.94e-05	0.0	55.4	2.57	-1.43	0.05	-0.01	-2.02e-03	0.18
75	180	-4.31	0.02	1.94e-05	-6.29	0.0	-3.55	8.80	-0.05	0.01	0.02	-7.43
		-7.43	2.98e-03	5.19e-05	0.0	55.4	-3.55	2.51	-0.05	0.01	2.98e-03	-4.31
75	192	-4.57	0.02	2.36e-05	-6.29	0.0	-3.38	9.00	-0.03	2.81e-04	0.02	-7.81
		-7.81	5.16e-04	1.75e-05	0.0	55.4	-3.38	2.71	-0.03	2.81e-04	5.16e-04	-4.57
75	201	0.64	0.01	-8.22e-05	-6.29	0.0	1.74	5.08	0.10	-0.01	-0.04	-0.51

		-0.51	-0.04	-6.19e-05	0.0	55.4	1.74	-1.21	0.10	-0.01	0.01	0.58
75	204	-4.72	0.04	3.64e-05	-6.29	0.0	-2.72	8.59	-0.10	0.01	0.04	-7.71
		-7.71	-9.06e-03	5.43e-05	0.0	55.4	-2.72	2.29	-0.10	0.01	-9.06e-03	-4.72
75	205	0.71	0.01	-8.31e-05	-6.29	0.0	1.72	5.02	0.09	-8.95e-03	-0.04	-0.41
		-0.41	-0.04	-6.16e-05	0.0	55.4	1.72	-1.27	0.09	-8.95e-03	0.01	0.64
75	209	0.72	-2.30e-03	-7.33e-05	-6.29	0.0	3.11	4.51	0.06	-0.02	-0.02	-0.18
		-0.18	-0.02	-7.55e-05	0.0	55.4	3.11	-1.78	0.06	-0.02	-2.30e-03	0.59
75	212	-4.73	0.02	2.74e-05	-6.29	0.0	-4.09	9.15	-0.05	0.02	0.02	-8.04
		-8.04	3.26e-03	6.79e-05	0.0	55.4	-4.09	2.86	-0.05	0.02	3.26e-03	-4.73
75	233	1.18	0.01	-9.34e-05	-6.29	0.0	2.16	4.75	0.11	-0.01	-0.05	0.17
		0.17	-0.05	-7.46e-05	0.0	55.4	2.16	-1.54	0.11	-0.01	0.01	1.08
75	236	-5.21	0.05	4.76e-05	-6.29	0.0	-3.13	8.91	-0.11	0.01	0.05	-8.38
		-8.38	-0.01	6.71e-05	0.0	55.4	-3.13	2.62	-0.11	0.01	-0.01	-5.21
75	237	1.25	0.01	-9.44e-05	-6.29	0.0	2.13	4.70	0.11	-0.01	-0.05	0.27
		0.27	-0.05	-7.30e-05	0.0	55.4	2.13	-1.60	0.11	-0.01	0.01	1.15
75	240	-5.28	0.05	4.85e-05	-6.29	0.0	-3.10	8.97	-0.11	9.07e-03	0.05	-8.49
		-8.49	-0.01	6.54e-05	0.0	55.4	-3.10	2.68	-0.11	9.07e-03	-0.01	-5.28
75	248	-1.14	1.87e-04	-1.59e-05	-3.50	0.0	-0.01	3.79	1.31e-03	-2.62e-04	-5.47e-04	-2.27
		-2.27	-5.47e-04	0.0	0.0	55.4	-0.01	0.29	1.31e-03	-2.62e-04	1.87e-04	-1.14
75	256	-2.74	7.06e-04	-2.83e-05	-8.15	0.0	-1.00	8.91	8.57e-04	-1.05e-03	1.49e-04	-5.42
		-5.42	1.49e-04	-7.74e-06	0.0	55.4	-1.00	0.76	8.57e-04	-1.05e-03	7.06e-04	-2.74
75	264	-2.36	6.43e-04	-2.25e-05	-6.76	0.0	-1.16	7.45	6.39e-04	-9.84e-04	2.11e-04	-4.62
		-4.62	2.11e-04	-8.83e-06	0.0	55.4	-1.16	0.69	6.39e-04	-9.84e-04	6.43e-04	-2.36
75	273	-1.10	7.00e-04	-1.78e-05	-3.50	0.0	-0.31	3.80	6.98e-03	3.70e-04	-3.10e-03	-2.24
		-2.24	-3.10e-03	-1.92e-06	0.0	55.4	-0.31	0.30	6.98e-03	3.70e-04	7.00e-04	-1.10
75	274	-1.13	6.99e-04	-1.95e-05	-3.50	0.0	-0.35	3.82	7.46e-03	4.03e-04	-3.35e-03	-2.27
		-2.27	-3.35e-03	-2.32e-06	0.0	55.4	-0.35	0.32	7.46e-03	4.03e-04	6.99e-04	-1.13
75	287	-2.26	1.39e-03	-2.26e-05	-6.76	0.0	-0.52	7.35	-2.17e-03	-1.15e-03	1.39e-03	-4.46
		-4.46	2.92e-04	-4.27e-06	0.0	55.4	-0.52	0.59	-2.17e-03	-1.15e-03	2.92e-04	-2.26
75	298	-2.21	5.17e-04	-2.44e-05	-6.76	0.0	-0.51	7.33	8.42e-04	-7.69e-04	-8.25e-06	-4.40
		-4.40	-8.25e-06	-4.01e-06	0.0	55.4	-0.51	0.58	8.42e-04	-7.69e-04	5.17e-04	-2.21
75	302	-1.20	2.38e-04	-1.45e-05	-3.50	0.0	-0.26	3.82	1.03e-03	-3.61e-04	-3.57e-04	-2.34
		-2.34	-3.57e-04	-1.99e-06	0.0	55.4	-0.26	0.32	1.03e-03	-3.61e-04	2.38e-04	-1.20
75	305	-2.09	5.04e-04	-2.22e-05	-6.29	0.0	-0.61	6.85	7.24e-04	-7.64e-04	4.39e-05	-4.14
		-4.14	4.39e-05	-4.67e-06	0.0	55.4	-0.61	0.56	7.24e-04	-7.64e-04	5.04e-04	-2.09
75	306	-1.19	3.40e-04	-1.48e-05	-3.50	0.0	-0.32	3.82	2.17e-03	-2.34e-04	-8.67e-04	-2.34
		-2.34	-8.67e-04	-2.33e-06	0.0	55.4	-0.32	0.32	2.17e-03	-2.34e-04	3.40e-04	-1.19
75	307	-2.05	5.69e-04	-2.37e-05	-6.29	0.0	-0.49	6.82	2.06e-03	-5.63e-04	-6.09e-04	-4.08
		-4.08	-6.09e-04	-3.69e-06	0.0	55.4	-0.49	0.53	2.06e-03	-5.63e-04	5.69e-04	-2.05
75	309	-1.21	2.50e-04	-1.41e-05	-3.50	0.0	-0.32	3.83	9.66e-04	-3.85e-04	-3.09e-04	-2.36
		-2.36	-3.09e-04	-2.43e-06	0.0	55.4	-0.32	0.33	9.66e-04	-3.85e-04	2.50e-04	-1.21
75	310	-2.07	4.79e-04	-2.29e-05	-6.29	0.0	-0.49	6.83	8.60e-04	-7.15e-04	-5.13e-05	-4.11
		-4.11	-5.13e-05	-3.79e-06	0.0	55.4	-0.49	0.54	8.60e-04	-7.15e-04	4.79e-04	-2.07
76	19	-5.75	1.56e-03	1.62e-04	-3.29	0.0	0.37	2.03	-3.57e-04	0.0	1.56e-03	-6.12
		-6.12	6.90e-04	1.37e-06	0.0	59.1	0.37	-1.26	-3.57e-04	0.0	6.90e-04	-5.91
76	20	-5.68	7.53e-04	1.76e-04	-3.29	0.0	0.53	1.97	7.47e-04	0.0	7.53e-04	-6.03
		-6.03	5.04e-04	0.0	0.0	59.1	0.53	-1.32	7.47e-04	0.0	5.04e-04	-5.86
76	21	-15.29	2.83e-03	4.06e-04	-8.31	0.0	0.69	4.88	-1.25e-03	0.0	2.83e-03	-16.13
		-16.13	1.54e-03	0.0	0.0	59.1	0.69	-3.43	-1.25e-03	0.0	1.54e-03	-15.76
76	27	-23.51	1.04e-03	6.45e-04	-12.19	0.0	1.22	6.51	3.30e-03	0.0	-1.91e-03	-24.54
		-24.54	-1.91e-03	-1.11e-05	0.0	59.1	1.22	-5.67	3.30e-03	0.0	1.04e-03	-24.37
76	35	-19.28	2.99e-04	5.68e-04	-10.03	0.0	1.39	5.18	5.89e-03	0.0	-4.07e-03	-20.07
		-20.07	-4.07e-03	-1.14e-05	0.0	59.1	1.39	-4.86	5.89e-03	0.0	2.99e-04	-20.04
76	42	-10.14	-7.35e-04	3.25e-04	-5.01	0.0	0.98	2.19	7.24e-03	0.0	-6.37e-03	-10.42
		-10.64	-6.37e-03	-1.13e-05	0.0	59.1	0.98	-2.82	7.24e-03	0.0	-7.35e-04	-10.64
76	122	-2.07	0.05	-1.32e-05	-6.48	0.0	-1.97	8.92	-0.11	0.0	0.05	-5.30
		-5.30	-0.02	4.83e-05	0.0	59.1	-1.97	2.44	-0.11	0.0	-0.02	-2.07
76	123	-20.30	0.02	6.85e-04	-6.48	0.0	3.31	-1.74	0.11	0.0	-0.05	-20.30
		-23.21	-0.05	-5.59e-05	0.0	59.1	3.31	-8.22	0.11	0.0	0.02	-23.21
76	154	-0.75	0.06	-5.40e-05	-6.48	0.0	-2.30	9.59	-0.12	0.0	0.06	-4.37
		-4.37	-0.02	5.53e-05	0.0	59.1	-2.30	3.11	-0.12	0.0	-0.02	-0.75
76	155	-21.24	0.02	7.28e-04	-6.48	0.0	3.64	-2.40	0.13	0.0	-0.06	-21.24
		-24.52	-0.06	-6.29e-05	0.0	59.1	3.64	-8.88	0.13	0.0	0.02	-24.52
76	186	-0.92	0.05	-4.85e-05	-6.48	0.0	-2.28	9.51	-0.12	0.0	0.05	-4.50
		-4.50	-0.02	5.76e-05	0.0	59.1	-2.28	3.03	-0.12	0.0	-0.02	-0.92
76	187	-21.11	0.02	7.23e-04	-6.48	0.0	3.62	-2.32	0.12	0.0	-0.05	-21.11
		-24.35	-0.05	-6.52e-05	0.0	59.1	3.62	-8.80	0.12	0.0	0.02	-24.35
76	218	1.01	0.06	-1.12e-04	-6.48	0.0	-2.78	10.48	-0.14	0.0	0.06	-3.12
		-3.12	-0.02	7.01e-05	0.0	59.1	-2.78	4.00	-0.14	0.0	-0.02	1.01
76	219	-22.48	0.02	7.86e-04	-6.48	0.0	4.12	-3.29	0.15	0.0	-0.06	-22.48
		-26.29	-0.06	-7.77e-05	0.0	59.1	4.12	-9.77	0.15	0.0	0.02	-26.29
76	248	-6.49	7.79e-04	1.85e-04	-3.61	0.0	0.44	2.12	3.70e-04	0.0	7.79e-04	-6.86
		-6.86	5.70e-04	0.0	0.0	59.1	0.44	-1.48	3.70e-04	0.0	5.70e-04	-6.69
76	249	-6.44	4.46e-04	1.95e-04	-3.61	0.0	0.54	2.09	1.11e-03	0.0	2.44e-04	-6.80
		-6.80	2.44e-04	0.0	0.0	59.1	0.54	-1.52	1.11e-03	0.0	4.46e-04	-6.66

76	250	-12.84	1.63e-03	3.48e-04	-6.96	0.0	0.65	4.03	-2.28e-04	0.0	1.63e-03	-13.53
		-13.53	1.14e-03	-1.56e-06	0.0	59.1	0.65	-2.93	-2.28e-04	0.0	1.14e-03	-13.26
76	255	-16.18	7.03e-04	4.45e-04	-8.39	0.0	0.85	4.49	2.37e-03	0.0	-1.37e-03	-16.89
		-16.89	-1.37e-03	-7.64e-06	0.0	59.1	0.85	-3.91	2.37e-03	0.0	7.03e-04	-16.77
76	259	-13.36	2.12e-04	3.94e-04	-6.96	0.0	0.97	3.60	4.10e-03	0.0	-2.80e-03	-13.91
		-13.91	-2.80e-03	-7.81e-06	0.0	59.1	0.97	-3.36	4.10e-03	0.0	2.12e-04	-13.88
76	262	-7.26	-4.78e-04	2.32e-04	-3.61	0.0	0.69	1.60	5.00e-03	0.0	-4.34e-03	-7.47
		-7.61	-4.34e-03	-7.79e-06	0.0	59.1	0.69	-2.00	5.00e-03	0.0	-4.78e-04	-7.61
76	298	-13.12	8.29e-04	3.60e-04	-6.96	0.0	0.70	3.86	1.07e-03	0.0	1.03e-04	-13.76
		-13.76	1.03e-04	-4.02e-06	0.0	59.1	0.70	-3.09	1.07e-03	0.0	8.29e-04	-13.58
76	301	-12.20	6.99e-04	3.41e-04	-6.48	0.0	0.71	3.58	1.45e-03	0.0	-2.33e-04	-12.78
		-12.78	-2.33e-04	-3.97e-06	0.0	59.1	0.71	-2.90	1.45e-03	0.0	6.99e-04	-12.62
76	302	-6.71	3.24e-04	1.95e-04	-3.61	0.0	0.48	2.00	1.41e-03	0.0	-4.43e-04	-7.04
		-7.04	-4.43e-04	-1.96e-06	0.0	59.1	0.48	-1.61	1.41e-03	0.0	3.24e-04	-6.95
76	304	-6.88	1.39e-04	2.03e-04	-3.61	0.0	0.51	1.90	2.19e-03	0.0	-1.36e-03	-7.17
		-7.17	-1.36e-03	-3.44e-06	0.0	59.1	0.51	-1.71	2.19e-03	0.0	1.39e-04	-7.14
76	307	-12.22	8.33e-04	3.37e-04	-6.48	0.0	0.67	3.59	1.09e-03	0.0	9.04e-05	-12.81
		-12.81	9.04e-05	-3.71e-06	0.0	59.1	0.67	-2.88	1.09e-03	0.0	8.33e-04	-12.64
76	309	-6.77	2.62e-04	1.98e-04	-3.61	0.0	0.49	1.96	1.67e-03	0.0	-7.48e-04	-7.08
		-7.08	-7.48e-04	-2.46e-06	0.0	59.1	0.49	-1.65	1.67e-03	0.0	2.62e-04	-7.01
76	310	-12.21	7.48e-04	3.37e-04	-6.48	0.0	0.67	3.59	1.16e-03	0.0	-1.90e-05	-12.80
		-12.80	-1.90e-05	-3.80e-06	0.0	59.1	0.67	-2.89	1.16e-03	0.0	7.48e-04	-12.64
77	12	-3.22	-5.62e-05	9.31e-05	-3.29	0.0	-0.83	6.35	-1.29e-03	3.46e-03	-5.62e-05	-5.99
		-5.99	-1.25e-03	-1.43e-06	0.0	59.1	-0.83	3.06	-1.29e-03	3.46e-03	-1.25e-03	-3.22
77	19	-2.90	4.21e-04	5.24e-05	-3.29	0.0	-1.03	6.75	7.37e-05	4.91e-03	4.21e-04	-5.91
		-5.91	-1.36e-04	1.33e-06	0.0	59.1	-1.03	3.46	7.37e-05	4.91e-03	-1.36e-04	-2.90
77	27	-12.23	1.46e-03	1.75e-04	-12.19	0.0	-4.15	26.65	-0.01	-7.90e-03	1.46e-03	-24.37
		-24.37	-5.24e-03	-1.08e-05	0.0	59.1	-4.15	14.47	-0.01	-7.90e-03	-5.24e-03	-12.23
77	44	-10.46	7.29e-04	1.77e-04	-10.03	0.0	-3.31	21.98	-0.01	-0.01	7.29e-04	-20.48
		-20.48	-6.03e-03	-1.34e-05	0.0	59.1	-3.31	11.95	-0.01	-0.01	-6.03e-03	-10.46
77	51	-11.89	2.09e-03	1.65e-04	-12.19	0.0	-4.12	26.29	-0.01	-2.37e-03	2.09e-03	-23.82
		-23.82	-3.75e-03	-6.03e-06	0.0	59.1	-4.12	14.10	-0.01	-2.37e-03	-3.75e-03	-11.89
77	122	-0.32	-6.59e-03	-7.66e-06	-6.48	0.0	-5.64	6.18	0.02	-1.48e-03	-0.02	-2.07
		-2.07	-0.02	-6.05e-04	0.0	59.1	-5.64	-0.29	0.02	-1.48e-03	-6.59e-03	-0.33
77	123	-12.29	0.02	1.89e-04	-6.48	0.0	1.31	21.73	-0.03	-1.28e-04	0.02	-23.21
		-23.21	2.24e-03	5.97e-04	0.0	59.1	1.31	15.25	-0.03	-1.28e-04	2.24e-03	-12.29
77	130	-3.10	-0.01	5.83e-05	-6.48	0.0	-4.68	9.56	0.02	-7.51e-03	-0.02	-6.84
		-6.84	-0.02	1.53e-04	0.0	59.1	-4.68	3.08	0.02	-7.51e-03	-0.01	-3.10
77	131	-9.52	0.03	1.33e-04	-6.48	0.0	0.35	18.35	-0.03	5.90e-03	0.03	-18.44
		-18.44	8.29e-03	-1.60e-04	0.0	59.1	0.35	11.87	-0.03	5.90e-03	8.29e-03	-9.52
77	154	0.49	-7.16e-03	-1.54e-05	-6.48	0.0	-6.07	5.22	0.02	-1.56e-03	-0.02	-0.75
		-0.75	-0.02	-6.81e-04	0.0	59.1	-6.07	-1.26	0.02	-1.56e-03	-7.16e-03	0.42
77	155	-13.03	0.02	2.00e-04	-6.48	0.0	1.74	22.69	-0.03	-4.59e-05	0.02	-24.52
		-24.52	2.82e-03	6.73e-04	0.0	59.1	1.74	16.21	-0.03	-4.59e-05	2.82e-03	-13.03
77	162	-2.70	-0.01	5.37e-05	-6.48	0.0	-5.01	9.01	0.02	-8.29e-03	-0.03	-6.11
		-6.11	-0.03	1.73e-04	0.0	59.1	-5.01	2.53	0.02	-8.29e-03	-0.01	-2.70
77	163	-9.92	0.03	1.37e-04	-6.48	0.0	0.68	18.90	-0.03	6.68e-03	0.03	-19.16
		-19.16	9.67e-03	-1.81e-04	0.0	59.1	0.68	12.42	-0.03	6.68e-03	9.67e-03	-9.92
77	186	0.38	-7.24e-03	-1.41e-05	-6.48	0.0	-6.04	5.34	0.02	-1.55e-03	-0.02	-0.92
		-0.92	-0.02	-6.82e-04	0.0	59.1	-6.04	-1.14	0.02	-1.55e-03	-7.24e-03	0.32
77	187	-12.94	0.02	1.99e-04	-6.48	0.0	1.71	22.57	-0.03	-6.45e-05	0.02	-24.35
		-24.35	2.90e-03	6.75e-04	0.0	59.1	1.71	16.09	-0.03	-6.45e-05	2.90e-03	-12.94
77	194	-2.73	-0.01	5.47e-05	-6.48	0.0	-5.05	9.04	0.02	-7.86e-03	-0.03	-6.16
		-6.16	-0.03	1.79e-04	0.0	59.1	-5.05	2.56	0.02	-7.86e-03	-0.01	-2.73
77	195	-9.89	0.03	1.36e-04	-6.48	0.0	0.72	18.87	-0.03	6.25e-03	0.03	-19.12
		-19.12	0.01	-1.86e-04	0.0	59.1	0.72	12.39	-0.03	6.25e-03	0.01	-9.89
77	218	1.71	-8.20e-03	-2.73e-05	-6.48	0.0	-6.69	3.92	0.02	-1.68e-03	-0.02	1.01
		1.01	-0.02	-8.02e-04	0.0	59.1	-6.69	-2.56	0.02	-1.68e-03	-8.20e-03	1.42
77	219	-14.03	0.02	2.15e-04	-6.48	0.0	2.36	23.99	-0.03	6.96e-05	0.02	-26.29
		-26.29	3.86e-03	7.94e-04	0.0	59.1	2.36	17.52	-0.03	6.96e-05	3.86e-03	-14.03
77	226	-2.08	-0.02	4.77e-05	-6.48	0.0	-5.60	8.15	0.03	-9.02e-03	-0.03	-4.98
		-4.98	-0.03	2.15e-04	0.0	59.1	-5.60	1.67	0.03	-9.02e-03	-0.02	-2.08
77	227	-10.53	0.04	1.43e-04	-6.48	0.0	1.28	19.76	-0.04	7.41e-03	0.04	-20.29
		-20.29	0.01	-2.22e-04	0.0	59.1	1.28	13.28	-0.04	7.41e-03	0.01	-10.53
77	245	-3.53	7.73e-05	8.75e-05	-3.61	0.0	-1.01	7.25	-2.04e-03	2.22e-03	7.73e-05	-6.75
		-6.75	-1.40e-03	-1.85e-06	0.0	59.1	-1.01	3.64	-2.04e-03	2.22e-03	-1.40e-03	-3.53
77	248	-3.32	3.96e-04	6.04e-05	-3.61	0.0	-1.14	7.52	-1.13e-03	3.18e-03	3.96e-04	-6.69
		-6.69	-6.60e-04	0.0	0.0	59.1	-1.14	3.91	-1.13e-03	3.18e-03	-6.60e-04	-3.32
77	255	-8.41	9.89e-04	1.22e-04	-8.39	0.0	-2.85	18.36	-8.93e-03	-5.29e-03	9.89e-04	-16.77
		-16.77	-3.62e-03	-7.46e-06	0.0	59.1	-2.85	9.97	-8.93e-03	-5.29e-03	-3.62e-03	-8.41
77	264	-7.23	4.99e-04	1.23e-04	-6.96	0.0	-2.29	15.25	-9.45e-03	-7.56e-03	4.99e-04	-14.18
		-14.18	-4.14e-03	-9.20e-06	0.0	59.1	-2.29	8.29	-9.45e-03	-7.56e-03	-4.14e-03	-7.23
77	267	-8.18	1.41e-03	1.15e-04	-8.39	0.0	-2.83	18.11	-7.20e-03	-1.60e-03	1.41e-03	-16.40
		-16.40	-2.63e-03	-4.25e-06	0.0	59.1	-2.83	9.72	-7.20e-03	-1.60e-03	-2.63e-03	-8.18
77	298	-6.77	8.76e-04	1.01e-04	-6.96	0.0	-2.33	14.99	-5.56e-03	-8.97e-04	8.76e-04	-13.58

		-13.58	-2.29e-03	-3.92e-06	0.0	59.1	-2.33	8.03	-5.56e-03	-8.97e-04	-2.29e-03	-6.77
77	299	-3.54	2.21e-04	7.05e-05	-3.61	0.0	-1.13	7.66	-3.07e-03	-1.69e-04	2.21e-04	-7.00
		-7.00	-1.57e-03	-2.60e-06	0.0	59.1	-1.13	4.06	-3.07e-03	-1.69e-04	-1.57e-03	-3.54
77	302	-3.47	2.99e-04	6.45e-05	-3.61	0.0	-1.15	7.69	-2.66e-03	4.36e-04	2.99e-04	-6.95
		-6.95	-1.32e-03	-1.94e-06	0.0	59.1	-1.15	4.08	-2.66e-03	4.36e-04	-1.32e-03	-3.47
77	305	-6.39	7.42e-04	9.76e-05	-6.48	0.0	-2.17	14.04	-5.96e-03	-2.18e-03	7.42e-04	-12.77
		-12.77	-2.50e-03	-4.67e-06	0.0	59.1	-2.17	7.56	-5.96e-03	-2.18e-03	-2.50e-03	-6.39
77	307	-6.31	8.82e-04	9.55e-05	-6.48	0.0	-2.16	13.96	-5.38e-03	-9.47e-04	8.82e-04	-12.64
		-12.64	-2.17e-03	-3.60e-06	0.0	59.1	-2.16	7.48	-5.38e-03	-9.47e-04	-2.17e-03	-6.31
77	309	-3.51	2.75e-04	6.55e-05	-3.61	0.0	-1.15	7.74	-3.04e-03	-2.50e-04	2.75e-04	-7.01
		-7.01	-1.49e-03	-2.43e-06	0.0	59.1	-1.15	4.13	-3.04e-03	-2.50e-04	-1.49e-03	-3.51
77	310	-6.31	7.90e-04	9.55e-05	-6.48	0.0	-2.16	13.96	-5.20e-03	-8.05e-04	7.90e-04	-12.64
		-12.64	-2.17e-03	-3.71e-06	0.0	59.1	-2.16	7.48	-5.20e-03	-8.05e-04	-2.17e-03	-6.31
78	19	-1.28	1.74e-03	5.25e-05	-3.29	0.0	-1.69	4.39	4.30e-03	4.28e-03	-4.24e-04	-2.90
		-2.90	-4.24e-04	1.09e-06	0.0	59.1	-1.69	1.10	4.30e-03	4.28e-03	1.74e-03	-1.28
78	28	-5.65	-2.40e-03	1.78e-04	-12.19	0.0	-6.35	17.41	3.54e-03	-6.86e-03	-5.11e-03	-12.33
		-12.33	-5.11e-03	-1.20e-05	0.0	59.1	-6.35	5.22	3.54e-03	-6.86e-03	-2.40e-03	-5.65
78	44	-4.81	-3.35e-03	1.62e-04	-10.03	0.0	-5.28	14.58	1.96e-03	-9.95e-03	-5.38e-03	-10.46
		-10.46	-5.38e-03	-1.38e-05	0.0	59.1	-5.28	4.55	1.96e-03	-9.95e-03	-3.35e-03	-4.81
78	66	-2.34	3.24e-03	1.03e-04	-5.01	0.0	-2.63	7.00	9.11e-03	-1.25e-03	-2.28e-03	-5.00
		-5.00	-2.28e-03	-3.46e-06	0.0	59.1	-2.63	1.99	9.11e-03	-1.25e-03	3.24e-03	-2.34
78	122	0.24	-6.45e-03	3.61e-05	-6.48	0.0	-6.85	3.52	-0.03	-1.72e-03	-6.45e-03	-0.33
		-0.33	-0.03	3.72e-05	0.0	59.1	-6.85	-2.96	-0.03	-1.72e-03	-0.03	-0.15
78	123	-5.49	0.03	1.44e-04	-6.48	0.0	0.12	14.76	0.04	4.02e-06	2.20e-03	-12.29
		-12.29	2.20e-03	-4.51e-05	0.0	59.1	0.12	8.28	0.04	4.02e-06	0.03	-5.49
78	130	-1.51	-0.01	7.46e-05	-6.48	0.0	-5.84	5.87	-0.07	-9.72e-03	-0.01	-3.10
		-3.10	-0.05	1.49e-04	0.0	59.1	-5.84	-0.60	-0.07	-9.72e-03	-0.05	-1.53
78	131	-4.12	0.05	1.05e-04	-6.48	0.0	-0.88	12.41	0.08	8.00e-03	7.91e-03	-9.52
		-9.52	7.91e-03	-1.57e-04	0.0	59.1	-0.88	5.93	0.08	8.00e-03	0.05	-4.12
78	154	0.78	-7.01e-03	2.94e-05	-6.48	0.0	-7.28	2.82	-0.04	-1.82e-03	-7.01e-03	0.42
		0.18	-0.03	4.27e-05	0.0	59.1	-7.28	-3.66	-0.04	-1.82e-03	-0.03	0.18
78	155	-5.82	0.03	1.50e-04	-6.48	0.0	0.56	15.46	0.05	1.07e-04	2.76e-03	-13.03
		-13.03	2.76e-03	-5.07e-05	0.0	59.1	0.56	8.98	0.05	1.07e-04	0.03	-5.82
78	162	-1.33	-0.01	7.28e-05	-6.48	0.0	-6.16	5.46	-0.08	-0.01	-0.01	-2.70
		-2.70	-0.06	1.69e-04	0.0	59.1	-6.16	-1.02	-0.08	-0.01	-0.06	-1.37
78	163	-4.28	0.06	1.07e-04	-6.48	0.0	-0.56	12.82	0.09	9.04e-03	9.23e-03	-9.92
		-9.92	9.23e-03	-1.77e-04	0.0	59.1	-0.56	6.34	0.09	9.04e-03	0.06	-4.28
78	186	0.71	-7.08e-03	3.06e-05	-6.48	0.0	-7.25	2.90	-0.04	-1.79e-03	-7.08e-03	0.32
		0.13	-0.03	4.50e-05	0.0	59.1	-7.25	-3.58	-0.04	-1.79e-03	-0.03	0.13
78	187	-5.77	0.03	1.49e-04	-6.48	0.0	0.52	15.38	0.05	7.41e-05	2.83e-03	-12.94
		-12.94	2.83e-03	-5.30e-05	0.0	59.1	0.52	8.90	0.05	7.41e-05	0.03	-5.77
78	194	-1.36	-0.01	7.38e-05	-6.48	0.0	-6.21	5.46	-0.08	-0.01	-0.01	-2.73
		-2.73	-0.06	1.74e-04	0.0	59.1	-6.21	-1.02	-0.08	-0.01	-0.06	-1.40
78	195	-4.25	0.06	1.06e-04	-6.48	0.0	-0.52	12.82	0.09	8.49e-03	9.58e-03	-9.89
		-9.89	9.58e-03	-1.82e-04	0.0	59.1	-0.52	6.34	0.09	8.49e-03	0.06	-4.25
78	218	1.58	-8.02e-03	2.10e-05	-6.48	0.0	-7.90	1.87	-0.05	-1.96e-03	-8.02e-03	1.42
		0.61	-0.04	5.53e-05	0.0	59.1	-7.90	-4.61	-0.05	-1.96e-03	-0.04	0.61
78	219	-6.26	0.04	1.59e-04	-6.48	0.0	1.18	16.42	0.05	2.47e-04	3.77e-03	-14.03
		-14.03	3.77e-03	-6.33e-05	0.0	59.1	1.18	9.94	0.05	2.47e-04	0.04	-6.26
78	226	-1.02	-0.02	7.13e-05	-6.48	0.0	-6.75	4.78	-0.10	-0.01	-0.02	-2.08
		-2.08	-0.08	2.10e-04	0.0	59.1	-6.75	-1.70	-0.10	-0.01	-0.08	-1.15
78	227	-4.49	0.08	1.09e-04	-6.48	0.0	0.03	13.50	0.11	0.01	0.01	-10.53
		-10.53	0.01	-2.18e-04	0.0	59.1	0.03	7.02	0.11	0.01	0.08	-4.49
78	248	-1.48	1.21e-03	5.92e-05	-3.61	0.0	-1.87	4.91	3.89e-03	2.78e-03	-8.47e-04	-3.32
		-3.32	-8.47e-04	0.0	0.0	59.1	-1.87	1.31	3.89e-03	2.78e-03	1.21e-03	-1.48
78	256	-3.87	-1.59e-03	1.24e-04	-8.39	0.0	-4.38	11.99	2.59e-03	-4.59e-03	-3.53e-03	-8.47
		-8.47	-3.53e-03	-8.22e-06	0.0	59.1	-4.38	3.60	2.59e-03	-4.59e-03	-1.59e-03	-3.87
78	264	-3.31	-2.22e-03	1.13e-04	-6.96	0.0	-3.67	10.11	1.54e-03	-6.66e-03	-3.71e-03	-7.23
		-7.23	-3.71e-03	-9.44e-06	0.0	59.1	-3.67	3.15	1.54e-03	-6.66e-03	-2.22e-03	-3.31
78	274	-1.67	2.17e-03	7.38e-05	-3.61	0.0	-1.90	5.05	6.31e-03	-8.51e-04	-1.64e-03	-3.59
		-3.59	-1.64e-03	-2.56e-06	0.0	59.1	-1.90	1.44	6.31e-03	-8.51e-04	2.17e-03	-1.67
78	298	-3.03	-3.89e-04	9.45e-05	-6.96	0.0	-3.61	9.82	2.94e-03	-9.67e-04	-2.23e-03	-6.77
		-6.77	-2.23e-03	-4.22e-06	0.0	59.1	-3.61	2.86	2.94e-03	-9.67e-04	-3.89e-04	-3.03
78	302	-1.55	3.54e-04	6.22e-05	-3.61	0.0	-1.89	5.06	2.95e-03	3.89e-04	-1.35e-03	-3.47
		-3.47	-1.35e-03	-2.14e-06	0.0	59.1	-1.89	1.45	2.95e-03	3.89e-04	3.54e-04	-1.55
78	305	-2.86	-7.42e-04	9.14e-05	-6.48	0.0	-3.37	9.21	2.43e-03	-2.05e-03	-2.37e-03	-6.39
		-6.39	-2.37e-03	-4.94e-06	0.0	59.1	-3.37	2.73	2.43e-03	-2.05e-03	-7.42e-04	-2.86
78	306	-1.57	4.83e-04	6.29e-05	-3.61	0.0	-1.90	5.09	3.23e-03	-3.93e-04	-1.46e-03	-3.51
		-3.51	-1.46e-03	-2.51e-06	0.0	59.1	-1.90	1.49	3.23e-03	-3.93e-04	4.83e-04	-1.57
78	309	-1.57	1.39e-04	6.29e-05	-3.61	0.0	-1.90	5.09	2.71e-03	-2.08e-04	-1.47e-03	-3.51
		-3.51	-1.47e-03	-2.62e-06	0.0	59.1	-1.90	1.48	2.71e-03	-2.08e-04	1.39e-04	-1.57
78	310	-2.82	-3.14e-04	9.00e-05	-6.48	0.0	-3.36	9.14	2.91e-03	-8.59e-04	-2.12e-03	-6.31
		-6.31	-2.12e-03	-3.99e-06	0.0	59.1	-3.36	2.66	2.91e-03	-8.59e-04	-3.14e-04	-2.82
79	19	-0.83	1.69e-03	6.55e-05	-3.29	0.0	-1.37	2.25	-3.34e-03	-7.14e-04	1.69e-03	-1.28
		-1.28	2.70e-04	1.01e-06	0.0	59.1	-1.37	-1.04	-3.34e-03	-7.14e-04	2.70e-04	-0.92

79	28	-3.33	-2.22e-03	2.12e-04	-12.19	0.0	-5.17	9.78	-7.23e-03	-1.57e-03	-2.22e-03	-5.65
		-5.65	-6.73e-03	-1.19e-05	0.0	59.1	-5.17	-2.41	-7.23e-03	-1.57e-03	-6.73e-03	-3.47
79	44	-2.86	-3.15e-03	1.90e-04	-10.03	0.0	-4.35	8.15	-6.67e-03	-6.77e-04	-3.15e-03	-4.81
		-4.81	-7.79e-03	-1.37e-05	0.0	59.1	-4.35	-1.88	-6.67e-03	-6.77e-04	-7.79e-03	-2.96
79	66	-1.55	3.34e-03	1.20e-04	-5.01	0.0	-2.22	3.68	-0.01	-1.88e-03	3.34e-03	-2.34
		-2.34	-3.12e-03	-3.04e-06	0.0	59.1	-2.22	-1.33	-0.01	-1.88e-03	-3.12e-03	-1.65
79	122	-0.06	-4.34e-03	6.14e-05	-6.48	0.0	-6.91	1.51	0.04	-1.04e-03	-0.03	-0.15
		-1.22	-0.03	3.63e-05	0.0	59.1	-6.91	-4.97	0.04	-1.04e-03	-4.34e-03	-1.22
79	123	-2.29	0.03	1.59e-04	-6.48	0.0	1.49	8.59	-0.05	-1.27e-03	0.03	-5.49
		-5.49	-6.80e-04	-4.44e-05	0.0	59.1	1.49	2.11	-0.05	-1.27e-03	-6.80e-04	-2.29
79	130	-1.24	-7.71e-03	9.73e-05	-6.48	0.0	-5.68	2.81	0.08	1.45e-03	-0.05	-1.53
		-1.96	-0.05	1.41e-04	0.0	59.1	-5.68	-3.67	0.08	1.45e-03	-7.71e-03	-1.96
79	131	-1.55	0.05	1.24e-04	-6.48	0.0	0.25	7.28	-0.09	-3.76e-03	0.05	-4.12
		-4.12	2.70e-03	-1.49e-04	0.0	59.1	0.25	0.80	-0.09	-3.76e-03	2.70e-03	-1.55
79	154	0.22	-4.57e-03	5.53e-05	-6.48	0.0	-7.44	1.07	0.04	-1.04e-03	-0.03	0.18
		-1.15	-0.03	4.17e-05	0.0	59.1	-7.44	-5.41	0.04	-1.04e-03	-4.57e-03	-1.15
79	155	-2.36	0.03	1.66e-04	-6.48	0.0	2.01	9.03	-0.05	-1.27e-03	0.03	-5.82
		-5.82	-4.42e-04	-4.98e-05	0.0	59.1	2.01	2.55	-0.05	-1.27e-03	-4.42e-04	-2.36
79	162	-1.15	-8.39e-03	9.58e-05	-6.48	0.0	-6.06	2.53	0.09	1.73e-03	-0.06	-1.37
		-1.99	-0.06	1.60e-04	0.0	59.1	-6.06	-3.95	0.09	1.73e-03	-8.39e-03	-1.99
79	163	-1.52	0.06	1.25e-04	-6.48	0.0	0.63	7.56	-0.10	-4.04e-03	0.06	-4.28
		-4.28	3.38e-03	-1.69e-04	0.0	59.1	0.63	1.08	-0.10	-4.04e-03	3.38e-03	-1.52
79	186	0.18	-4.62e-03	5.64e-05	-6.48	0.0	-7.40	1.11	0.04	-1.09e-03	-0.03	0.13
		-1.17	-0.03	4.38e-05	0.0	59.1	-7.40	-5.37	0.04	-1.09e-03	-4.62e-03	-1.17
79	187	-2.34	0.03	1.64e-04	-6.48	0.0	1.97	8.98	-0.05	-1.22e-03	0.03	-5.77
		-5.77	-3.99e-04	-5.19e-05	0.0	59.1	1.97	2.50	-0.05	-1.22e-03	-3.99e-04	-2.34
79	194	-1.17	-8.57e-03	9.65e-05	-6.48	0.0	-6.11	2.51	0.09	1.35e-03	-0.06	-1.40
		-1.99	-0.06	1.66e-04	0.0	59.1	-6.11	-3.97	0.09	1.35e-03	-8.57e-03	-1.99
79	195	-1.52	0.06	1.24e-04	-6.48	0.0	0.68	7.58	-0.10	-3.66e-03	0.06	-4.25
		-4.25	3.55e-03	-1.74e-04	0.0	59.1	0.68	1.10	-0.10	-3.66e-03	3.55e-03	-1.52
79	218	0.62	-5.03e-03	4.76e-05	-6.48	0.0	-8.19	0.45	0.05	-1.06e-03	-0.04	0.61
		-1.08	-0.04	5.39e-05	0.0	59.1	-8.19	-6.03	0.05	-1.06e-03	-5.03e-03	-1.08
79	219	-2.43	0.04	1.73e-04	-6.48	0.0	2.76	9.64	-0.06	-1.25e-03	0.04	-6.26
		-6.26	9.75e-06	-6.20e-05	0.0	59.1	2.76	3.16	-0.06	-1.25e-03	9.75e-06	-2.43
79	226	-1.01	-9.78e-03	9.44e-05	-6.48	0.0	-6.76	2.04	0.11	1.79e-03	-0.08	-1.15
		-2.04	-0.08	1.99e-04	0.0	59.1	-6.76	-4.44	0.11	1.79e-03	-9.78e-03	-2.04
79	227	-1.47	0.07	1.26e-04	-6.48	0.0	1.33	8.05	-0.12	-4.10e-03	0.07	-4.49
		-4.49	4.77e-03	-2.08e-04	0.0	59.1	1.33	1.58	-0.12	-4.10e-03	4.77e-03	-1.47
79	248	-0.94	1.18e-03	7.28e-05	-3.61	0.0	-1.52	2.56	-3.50e-03	-6.13e-04	1.18e-03	-1.48
		-1.48	-4.86e-04	0.0	0.0	59.1	-1.52	-1.05	-3.50e-03	-6.13e-04	-4.86e-04	-1.03
79	256	-2.28	-1.46e-03	1.48e-04	-8.39	0.0	-3.57	6.71	-5.16e-03	-1.08e-03	-1.46e-03	-3.87
		-3.87	-4.66e-03	-8.21e-06	0.0	59.1	-3.57	-1.68	-5.16e-03	-1.08e-03	-4.66e-03	-2.38
79	264	-1.97	-2.08e-03	1.33e-04	-6.96	0.0	-3.02	5.62	-4.79e-03	-4.86e-04	-2.08e-03	-3.31
		-3.31	-5.37e-03	-9.36e-06	0.0	59.1	-3.02	-1.33	-4.79e-03	-4.86e-04	-5.37e-03	-2.05
79	274	-1.10	2.24e-03	8.63e-05	-3.61	0.0	-1.60	2.64	-8.00e-03	-1.29e-03	2.24e-03	-1.67
		-1.67	-2.26e-03	-2.28e-06	0.0	59.1	-1.60	-0.97	-8.00e-03	-1.29e-03	-2.26e-03	-1.17
79	298	-1.78	-3.23e-04	1.16e-04	-6.96	0.0	-2.91	5.44	-4.25e-03	-1.29e-03	-3.23e-04	-3.03
		-3.03	-2.62e-03	-4.28e-06	0.0	59.1	-2.91	-1.52	-4.25e-03	-1.29e-03	-2.62e-03	-1.87
79	302	-0.97	3.61e-04	7.55e-05	-3.61	0.0	-1.56	2.66	-3.47e-03	-4.15e-04	3.61e-04	-1.55
		-1.55	-1.54e-03	-2.15e-06	0.0	59.1	-1.56	-0.95	-3.47e-03	-4.15e-04	-1.54e-03	-1.05
79	305	-1.68	-6.65e-04	1.12e-04	-6.48	0.0	-2.73	5.09	-4.12e-03	-1.06e-03	-6.65e-04	-2.86
		-2.86	-3.04e-03	-4.97e-06	0.0	59.1	-2.73	-1.38	-4.12e-03	-1.06e-03	-3.04e-03	-1.76
79	306	-0.98	5.15e-04	7.61e-05	-3.61	0.0	-1.56	2.68	-4.24e-03	-6.12e-04	5.15e-04	-1.57
		-1.57	-1.88e-03	-2.46e-06	0.0	59.1	-1.56	-0.92	-4.24e-03	-6.12e-04	-1.88e-03	-1.05
79	309	-0.98	1.56e-04	7.62e-05	-3.61	0.0	-1.56	2.68	-3.46e-03	-3.66e-04	1.56e-04	-1.57
		-1.57	-1.81e-03	-2.62e-06	0.0	59.1	-1.56	-0.93	-3.46e-03	-3.66e-04	-1.81e-03	-1.05
79	310	-1.66	-2.54e-04	1.10e-04	-6.48	0.0	-2.71	5.05	-4.14e-03	-1.16e-03	-2.54e-04	-2.82
		-2.82	-2.51e-03	-4.04e-06	0.0	59.1	-2.71	-1.43	-4.14e-03	-1.16e-03	-2.51e-03	-1.75
80	11	-41.49	0.05	-4.01e-04	-6.12	0.0	8.07	-42.43	0.18	0.0	-0.04	-41.49
		-64.51	-0.04	-1.71e-05	0.0	50.6	8.07	-48.56	0.18	0.0	0.05	-64.51
80	19	-15.30	0.02	-1.42e-04	-2.26	0.0	2.86	-15.71	0.06	0.0	-0.01	-15.30
		-23.82	-0.01	-2.63e-06	0.0	50.6	2.86	-17.97	0.06	0.0	0.02	-23.82
80	35	-41.40	0.05	-4.01e-04	-6.12	0.0	8.14	-42.60	0.18	0.0	-0.04	-41.40
		-64.51	-0.04	-2.46e-05	0.0	50.6	8.14	-48.72	0.18	0.0	0.05	-64.51
80	59	-41.59	0.05	-4.10e-04	-6.12	0.0	8.10	-42.24	0.18	0.0	-0.04	-41.59
		-64.51	-0.04	-2.12e-05	0.0	50.6	8.10	-48.36	0.18	0.0	0.05	-64.51
80	79	-15.01	0.03	-1.81e-04	-2.26	0.0	3.04	-16.28	0.11	0.0	-0.02	-15.01
		-23.82	-0.02	-1.49e-05	0.0	50.6	3.04	-18.54	0.11	0.0	0.03	-23.82
80	117	-19.65	0.01	-1.19e-04	-2.42	0.0	1.02	-13.75	0.06	0.0	-0.01	-19.65
		-29.72	-0.01	-1.48e-04	0.0	50.6	1.02	-16.17	0.06	0.0	0.01	-29.72
80	118	-17.78	0.02	-5.11e-05	-2.42	0.0	-0.20	-15.76	0.05	0.0	-4.54e-03	-17.78
		-28.26	-4.54e-03	-1.08e-04	0.0	50.6	-0.20	-18.17	0.05	0.0	0.02	-28.26
80	119	-14.69	0.03	-2.87e-04	-2.42	0.0	6.48	-18.35	0.13	0.0	-0.03	-14.69
		-22.69	-0.03	8.67e-05	0.0	50.6	6.48	-20.77	0.13	0.0	0.03	-22.69
80	136	-13.89	0.05	-1.11e-04	-2.42	0.0	2.68	-20.76	0.11	0.0	-7.02e-03	-13.89

		-22.76	-7.02e-03	1.30e-04	0.0	50.6	2.68	-23.18	0.11	0.0	0.05	-22.76
80	139	-18.62	0.02	-3.07e-04	-2.42	0.0	6.00	-14.41	0.11	0.0	-0.04	-18.62
		-26.86	-0.04	-4.13e-05	0.0	50.6	6.00	-16.83	0.11	0.0	0.02	-26.86
80	140	-12.35	0.04	-8.17e-05	-2.42	0.0	1.91	-21.08	0.09	0.0	-4.92e-03	-12.35
		-21.97	-4.92e-03	8.99e-05	0.0	50.6	1.91	-23.50	0.09	0.0	0.04	-21.97
80	149	-20.06	0.01	-1.13e-04	-2.42	0.0	0.77	-13.36	0.05	0.0	-0.01	-20.06
		-30.21	-0.01	-1.65e-04	0.0	50.6	0.77	-15.78	0.05	0.0	0.01	-30.21
80	150	-17.94	0.02	-3.65e-05	-2.42	0.0	-0.62	-15.62	0.05	0.0	-2.79e-03	-17.94
		-28.57	-2.79e-03	-1.21e-04	0.0	50.6	-0.62	-18.03	0.05	0.0	0.02	-28.57
80	151	-14.52	0.03	-3.01e-04	-2.42	0.0	6.89	-18.49	0.13	0.0	-0.03	-14.52
		-22.37	-0.03	9.88e-05	0.0	50.6	6.89	-20.91	0.13	0.0	0.03	-22.37
80	168	-13.60	0.05	-1.03e-04	-2.42	0.0	2.62	-21.22	0.12	0.0	-5.48e-03	-13.60
		-22.45	-5.48e-03	1.49e-04	0.0	50.6	2.62	-23.64	0.12	0.0	0.05	-22.45
80	171	-18.93	0.02	-3.25e-04	-2.42	0.0	6.37	-14.07	0.11	0.0	-0.04	-18.93
		-27.03	-0.04	-4.59e-05	0.0	50.6	6.37	-16.49	0.11	0.0	0.02	-27.03
80	172	-11.87	0.04	-7.00e-05	-2.42	0.0	1.74	-21.58	0.08	0.0	-3.10e-03	-11.87
		-21.57	-3.10e-03	1.03e-04	0.0	50.6	1.74	-23.99	0.08	0.0	0.04	-21.57
80	181	-19.87	0.01	-1.16e-04	-2.42	0.0	0.85	-13.54	0.06	0.0	-0.01	-19.87
		-29.87	-0.01	-1.67e-04	0.0	50.6	0.85	-15.96	0.06	0.0	0.01	-29.87
80	182	-17.73	0.02	-3.78e-05	-2.42	0.0	-0.56	-15.78	0.05	0.0	-2.90e-03	-17.73
		-28.32	-2.90e-03	-1.19e-04	0.0	50.6	-0.56	-18.19	0.05	0.0	0.02	-28.32
80	183	-14.73	0.03	-3.00e-04	-2.42	0.0	6.83	-18.33	0.13	0.0	-0.03	-14.73
		-22.62	-0.03	9.74e-05	0.0	50.6	6.83	-20.75	0.13	0.0	0.03	-22.62
80	200	-13.61	0.05	-1.01e-04	-2.42	0.0	2.63	-21.16	0.12	0.0	-4.98e-03	-13.61
		-22.64	-4.98e-03	1.60e-04	0.0	50.6	2.63	-23.58	0.12	0.0	0.05	-22.64
80	203	-19.04	0.02	-3.27e-04	-2.42	0.0	6.39	-14.05	0.11	0.0	-0.04	-19.04
		-26.96	-0.04	-5.05e-05	0.0	50.6	6.39	-16.47	0.11	0.0	0.02	-26.96
80	204	-11.88	0.04	-6.62e-05	-2.42	0.0	1.68	-21.49	0.08	0.0	-2.57e-03	-11.88
		-21.81	-2.57e-03	1.08e-04	0.0	50.6	1.68	-23.91	0.08	0.0	0.04	-21.81
80	213	-20.46	8.41e-03	-1.09e-04	-2.42	0.0	0.50	-12.96	0.05	0.0	-0.01	-20.46
		-30.54	-0.01	-1.95e-04	0.0	50.6	0.50	-15.38	0.05	0.0	8.41e-03	-30.54
80	214	-17.92	0.02	-1.56e-05	-2.42	0.0	-1.18	-15.60	0.04	0.0	-2.05e-04	-17.92
		-28.73	-2.05e-04	-1.37e-04	0.0	50.6	-1.18	-18.02	0.04	0.0	0.02	-28.73
80	215	-14.55	0.03	-3.22e-04	-2.42	0.0	7.45	-18.51	0.14	0.0	-0.04	-14.55
		-22.21	-0.04	1.16e-04	0.0	50.6	7.45	-20.93	0.14	0.0	0.03	-22.21
80	232	-13.12	0.06	-8.65e-05	-2.42	0.0	2.53	-21.90	0.12	0.0	-2.19e-03	-13.12
		-22.19	-2.19e-03	2.00e-04	0.0	50.6	2.53	-24.32	0.12	0.0	0.06	-22.19
80	235	-19.58	0.01	-3.56e-04	-2.42	0.0	6.97	-13.49	0.12	0.0	-0.04	-19.58
		-27.23	-0.04	-6.03e-05	0.0	50.6	6.97	-15.91	0.12	0.0	0.01	-27.23
80	236	-11.11	0.05	-4.61e-05	-2.42	0.0	1.39	-22.28	0.08	0.0	5.25e-04	-11.11
		-21.22	5.25e-04	1.32e-04	0.0	50.6	1.39	-24.70	0.08	0.0	0.05	-21.22
80	245	-29.22	0.03	-2.61e-04	-4.30	0.0	5.60	-29.64	0.10	0.0	-0.02	-29.22
		-45.30	-0.02	-7.90e-06	0.0	50.6	5.60	-33.94	0.10	0.0	0.03	-45.30
80	248	-16.33	0.02	-1.51e-04	-2.42	0.0	3.05	-16.85	0.07	0.0	-0.02	-16.33
		-25.47	-0.02	-4.55e-06	0.0	50.6	3.05	-19.27	0.07	0.0	0.02	-25.47
80	259	-29.08	0.04	-2.81e-04	-4.30	0.0	5.71	-29.91	0.12	0.0	-0.03	-29.08
		-45.30	-0.03	-1.71e-05	0.0	50.6	5.71	-34.21	0.12	0.0	0.04	-45.30
80	271	-29.20	0.03	-2.88e-04	-4.30	0.0	5.69	-29.67	0.12	0.0	-0.03	-29.20
		-45.30	-0.03	-1.48e-05	0.0	50.6	5.69	-33.97	0.12	0.0	0.03	-45.30
80	279	-16.14	0.03	-1.78e-04	-2.42	0.0	3.17	-17.23	0.10	0.0	-0.02	-16.14
		-25.47	-0.02	-1.27e-05	0.0	50.6	3.17	-19.65	0.10	0.0	0.03	-25.47
80	301	-18.81	0.03	-1.91e-04	-2.79	0.0	3.64	-19.61	0.09	0.0	-0.02	-18.81
		-29.44	-0.02	-1.13e-05	0.0	50.6	3.64	-22.40	0.09	0.0	0.03	-29.44
80	302	-16.31	0.02	-1.51e-04	-2.42	0.0	3.07	-16.90	0.07	0.0	-0.02	-16.31
		-25.47	-0.02	-6.79e-06	0.0	50.6	3.07	-19.32	0.07	0.0	0.02	-25.47
80	305	-16.22	0.03	-1.69e-04	-2.42	0.0	3.15	-17.08	0.09	0.0	-0.02	-16.22
		-25.47	-0.02	-1.20e-05	0.0	50.6	3.15	-19.50	0.09	0.0	0.03	-25.47
80	309	-16.30	0.02	-1.51e-04	-2.42	0.0	3.08	-16.91	0.07	0.0	-0.02	-16.30
		-25.47	-0.02	-7.35e-06	0.0	50.6	3.08	-19.33	0.07	0.0	0.02	-25.47
80	310	-16.23	0.03	-1.69e-04	-2.42	0.0	3.14	-17.05	0.09	0.0	-0.02	-16.23
		-25.47	-0.02	-1.09e-05	0.0	50.6	3.14	-19.47	0.09	0.0	0.03	-25.47
81	35	-25.77	-0.02	-2.29e-04	-6.12	0.0	7.75	-27.84	-0.04	0.0	-0.02	-25.77
		-41.40	-0.04	-2.04e-05	0.0	50.6	7.75	-33.96	-0.04	0.0	-0.04	-41.40
81	57	-25.74	-0.01	-1.92e-04	-6.12	0.0	7.38	-28.50	-0.04	0.0	-0.01	-25.74
		-41.71	-0.04	-1.12e-05	0.0	50.6	7.38	-34.62	-0.04	0.0	-0.04	-41.71
81	59	-25.89	-0.02	-2.32e-04	-6.12	0.0	7.63	-27.97	-0.04	0.0	-0.02	-25.89
		-41.59	-0.04	-1.69e-05	0.0	50.6	7.63	-34.09	-0.04	0.0	-0.04	-41.59
81	69	-9.48	-7.30e-03	-8.47e-05	-2.26	0.0	2.58	-10.69	-0.02	0.0	-7.30e-03	-9.48
		-15.47	-0.02	-7.76e-06	0.0	50.6	2.58	-12.96	-0.02	0.0	-0.02	-15.47
81	93	-9.28	-6.10e-03	-7.25e-05	-2.26	0.0	2.71	-10.47	-0.02	0.0	-6.10e-03	-9.28
		-15.15	-0.01	-4.02e-06	0.0	50.6	2.71	-12.74	-0.02	0.0	-0.01	-15.15
81	118	-11.20	-2.25e-03	-1.60e-05	-2.42	0.0	-0.92	-11.87	-4.48e-03	0.0	-2.25e-03	-11.20
		-17.78	-4.54e-03	-1.07e-04	0.0	50.6	-0.92	-14.29	-4.48e-03	0.0	-4.54e-03	-17.78
81	119	-8.90	-0.02	-1.92e-04	-2.42	0.0	6.82	-10.16	-0.03	0.0	-0.02	-8.90
		-14.69	-0.03	8.90e-05	0.0	50.6	6.82	-12.58	-0.03	0.0	-0.03	-14.69

81	137	-12.60	-0.02	-1.24e-04	-2.42	0.0	3.56	-13.66	-0.03	0.0	-0.02	-12.60
		-20.11	-0.03	-1.13e-04	0.0	50.6	3.56	-16.08	-0.03	0.0	-0.03	-20.11
81	138	-8.55	5.49e-04	-3.86e-05	-2.42	0.0	0.32	-9.28	9.78e-04	0.0	6.22e-05	-8.55
		-13.84	6.22e-05	2.43e-05	0.0	50.6	0.32	-11.69	9.78e-04	0.0	5.49e-04	-13.84
81	139	-11.55	-0.02	-1.69e-04	-2.42	0.0	5.59	-12.76	-0.04	0.0	-0.02	-11.55
		-18.62	-0.04	-4.20e-05	0.0	50.6	5.59	-15.17	-0.04	0.0	-0.04	-18.62
81	140	-7.49	-2.68e-03	-8.36e-05	-2.42	0.0	2.35	-8.37	-4.44e-03	0.0	-2.68e-03	-7.49
		-12.35	-4.92e-03	9.54e-05	0.0	50.6	2.35	-10.79	-4.44e-03	0.0	-4.92e-03	-12.35
81	150	-11.32	-1.39e-03	8.24e-06	-2.42	0.0	-1.39	-11.96	-2.73e-03	0.0	-1.39e-03	-11.32
		-17.94	-2.79e-03	-1.19e-04	0.0	50.6	-1.39	-14.37	-2.73e-03	0.0	-2.79e-03	-17.94
81	151	-8.77	-0.02	-2.02e-04	-2.42	0.0	7.30	-10.08	-0.03	0.0	-0.02	-8.77
		-14.52	-0.03	1.01e-04	0.0	50.6	7.30	-12.49	-0.03	0.0	-0.03	-14.52
81	169	-12.92	-0.02	-1.27e-04	-2.42	0.0	3.64	-14.00	-0.03	0.0	-0.02	-12.92
		-20.60	-0.03	-1.27e-04	0.0	50.6	3.64	-16.41	-0.03	0.0	-0.03	-20.60
81	170	-8.35	3.03e-03	-3.03e-05	-2.42	0.0	-0.02	-9.05	3.51e-03	0.0	1.26e-03	-8.35
		-13.53	1.26e-03	2.93e-05	0.0	50.6	-0.02	-11.46	3.51e-03	0.0	3.03e-03	-13.53
81	171	-11.74	-0.02	-1.77e-04	-2.42	0.0	5.92	-12.99	-0.04	0.0	-0.02	-11.74
		-18.93	-0.04	-4.70e-05	0.0	50.6	5.92	-15.40	-0.04	0.0	-0.04	-18.93
81	172	-7.17	-1.81e-03	-8.08e-05	-2.42	0.0	2.26	-8.04	-2.56e-03	0.0	-1.81e-03	-7.17
		-11.87	-3.10e-03	1.09e-04	0.0	50.6	2.26	-10.45	-2.56e-03	0.0	-3.10e-03	-11.87
81	182	-11.19	-1.45e-03	7.54e-06	-2.42	0.0	-1.32	-11.80	-2.83e-03	0.0	-1.45e-03	-11.19
		-17.73	-2.90e-03	-1.18e-04	0.0	50.6	-1.32	-14.22	-2.83e-03	0.0	-2.90e-03	-17.73
81	183	-8.90	-0.02	-2.01e-04	-2.42	0.0	7.23	-10.23	-0.03	0.0	-0.02	-8.90
		-14.73	-0.03	9.98e-05	0.0	50.6	7.23	-12.65	-0.03	0.0	-0.03	-14.73
81	201	-12.91	-0.02	-1.28e-04	-2.42	0.0	3.70	-13.97	-0.04	0.0	-0.02	-12.91
		-20.58	-0.03	-1.31e-04	0.0	50.6	3.70	-16.39	-0.04	0.0	-0.03	-20.58
81	202	-8.28	3.41e-03	-2.97e-05	-2.42	0.0	-0.02	-8.98	3.91e-03	0.0	1.44e-03	-8.28
		-13.43	1.44e-03	3.35e-05	0.0	50.6	-0.02	-11.40	3.91e-03	0.0	3.41e-03	-13.43
81	203	-11.81	-0.02	-1.78e-04	-2.42	0.0	5.93	-13.05	-0.04	0.0	-0.02	-11.81
		-19.04	-0.04	-5.13e-05	0.0	50.6	5.93	-15.47	-0.04	0.0	-0.04	-19.04
81	204	-7.18	-1.56e-03	-7.92e-05	-2.42	0.0	2.21	-8.06	-2.02e-03	0.0	-1.56e-03	-7.18
		-11.88	-2.57e-03	1.14e-04	0.0	50.6	2.21	-10.48	-2.02e-03	0.0	-2.57e-03	-11.88
81	214	-11.34	-1.21e-04	1.66e-05	-2.42	0.0	-2.04	-11.88	-1.22e-04	0.0	-1.21e-04	-11.34
		-17.92	-2.05e-04	-1.36e-04	0.0	50.6	-2.04	-14.30	-1.22e-04	0.0	-2.05e-04	-17.92
81	215	-8.76	-0.02	-2.18e-04	-2.42	0.0	7.94	-10.15	-0.04	0.0	-0.02	-8.76
		-14.55	-0.04	1.18e-04	0.0	50.6	7.94	-12.57	-0.04	0.0	-0.04	-14.55
81	233	-13.43	-0.02	-1.34e-04	-2.42	0.0	3.85	-14.50	-0.04	0.0	-0.02	-13.43
		-21.36	-0.04	-1.55e-04	0.0	50.6	3.85	-16.92	-0.04	0.0	-0.04	-21.36
81	234	-7.93	7.48e-03	-1.64e-05	-2.42	0.0	-0.55	-8.58	8.07e-03	0.0	3.41e-03	-7.93
		-12.88	3.41e-03	4.36e-05	0.0	50.6	-0.55	-11.00	8.07e-03	0.0	7.48e-03	-12.88
81	235	-12.16	-0.02	-1.91e-04	-2.42	0.0	6.45	-13.45	-0.05	0.0	-0.02	-12.16
		-19.58	-0.04	-6.14e-05	0.0	50.6	6.45	-15.87	-0.05	0.0	-0.04	-19.58
81	236	-6.67	5.25e-04	-7.41e-05	-2.42	0.0	2.05	-7.53	1.18e-03	0.0	-7.82e-05	-6.67
		-11.11	-7.82e-05	1.38e-04	0.0	50.6	2.05	-9.95	1.18e-03	0.0	5.25e-04	-11.11
81	259	-18.10	-0.01	-1.60e-04	-4.30	0.0	5.45	-19.55	-0.03	0.0	-0.01	-18.10
		-29.08	-0.03	-1.41e-05	0.0	50.6	5.45	-23.85	-0.03	0.0	-0.03	-29.08
81	269	-18.08	-0.01	-1.36e-04	-4.30	0.0	5.20	-19.99	-0.03	0.0	-0.01	-18.08
		-29.28	-0.02	-7.99e-06	0.0	50.6	5.20	-24.29	-0.03	0.0	-0.02	-29.28
81	271	-18.17	-0.01	-1.62e-04	-4.30	0.0	5.36	-19.64	-0.03	0.0	-0.01	-18.17
		-29.20	-0.03	-1.17e-05	0.0	50.6	5.36	-23.94	-0.03	0.0	-0.03	-29.20
81	273	-10.06	-7.64e-03	-8.67e-05	-2.42	0.0	2.75	-11.42	-0.02	0.0	-7.64e-03	-10.06
		-16.44	-0.02	-7.31e-06	0.0	50.6	2.75	-13.84	-0.02	0.0	-0.02	-16.44
81	285	-9.92	-6.84e-03	-7.86e-05	-2.42	0.0	2.84	-11.27	-0.02	0.0	-6.84e-03	-9.92
		-16.23	-0.02	-4.81e-06	0.0	50.6	2.84	-13.69	-0.02	0.0	-0.02	-16.23
81	299	-11.57	-7.66e-03	-9.16e-05	-2.79	0.0	3.29	-13.04	-0.02	0.0	-7.66e-03	-11.57
		-18.88	-0.02	-5.91e-06	0.0	50.6	3.29	-15.84	-0.02	0.0	-0.02	-18.88
81	301	-11.66	-9.73e-03	-1.14e-04	-2.79	0.0	3.44	-12.74	-0.02	0.0	-9.73e-03	-11.66
		-18.81	-0.02	-9.13e-06	0.0	50.6	3.44	-15.53	-0.02	0.0	-0.02	-18.81
81	306	-9.98	-7.21e-03	-8.24e-05	-2.42	0.0	2.80	-11.34	-0.02	0.0	-7.21e-03	-9.98
		-16.33	-0.02	-5.98e-06	0.0	50.6	2.80	-13.76	-0.02	0.0	-0.02	-16.33
81	308	-9.95	-7.05e-03	-8.08e-05	-2.42	0.0	2.81	-11.31	-0.02	0.0	-7.05e-03	-9.95
		-16.29	-0.02	-5.48e-06	0.0	50.6	2.81	-13.73	-0.02	0.0	-0.02	-16.29
81	309	-9.96	-7.11e-03	-8.13e-05	-2.42	0.0	2.81	-11.32	-0.02	0.0	-7.11e-03	-9.96
		-16.30	-0.02	-5.64e-06	0.0	50.6	2.81	-13.74	-0.02	0.0	-0.02	-16.30
81	310	-10.05	-9.18e-03	-1.04e-04	-2.42	0.0	2.95	-11.02	-0.02	0.0	-9.18e-03	-10.05
		-16.23	-0.02	-8.86e-06	0.0	50.6	2.95	-13.43	-0.02	0.0	-0.02	-16.23
82	35	-14.83	-0.02	-1.23e-04	-6.12	0.0	5.85	-18.56	0.02	0.0	-0.03	-14.83
		-25.77	-0.03	-1.89e-05	0.0	50.6	5.85	-24.69	0.02	0.0	-0.02	-25.77
82	52	-11.41	-0.02	-1.25e-04	-4.71	0.0	4.35	-14.43	0.03	0.0	-0.03	-11.41
		-19.90	-0.03	-1.68e-05	0.0	50.6	4.35	-19.14	0.03	0.0	-0.02	-19.90
82	59	-14.85	-0.02	-1.25e-04	-6.12	0.0	5.60	-18.74	0.02	0.0	-0.03	-14.85
		-25.89	-0.03	-1.53e-05	0.0	50.6	5.60	-24.87	0.02	0.0	-0.02	-25.89
82	69	-5.30	-7.30e-03	-4.71e-05	-2.26	0.0	1.70	-7.14	8.92e-03	0.0	-0.01	-5.30
		-9.48	-0.01	-7.14e-06	0.0	50.6	1.70	-9.40	8.92e-03	0.0	-7.30e-03	-9.48
82	93	-5.22	-6.10e-03	-3.69e-05	-2.26	0.0	2.03	-6.89	9.52e-03	0.0	-0.01	-5.22

		-9.28	-0.01	-3.51e-06	0.0	50.6	2.03	-9.15	9.52e-03	0.0	-6.10e-03	-9.28
82	118	-4.07	-2.25e-03	1.56e-05	-2.42	0.0	-1.88	-7.84	0.02	0.0	-0.01	-4.07
		-11.20	-0.01	-1.06e-04	0.0	50.6	-1.88	-10.26	0.02	0.0	-2.25e-03	-11.20
82	119	-7.30	-0.02	-1.40e-04	-2.42	0.0	6.23	-6.98	7.13e-03	0.0	-0.02	-7.30
		-8.90	-0.02	8.97e-05	0.0	50.6	6.23	-9.39	7.13e-03	0.0	-0.02	-8.90
82	137	-6.25	-0.02	-6.96e-05	-2.42	0.0	2.31	-9.89	0.01	0.0	-0.02	-6.25
		-12.60	-0.02	-1.16e-04	0.0	50.6	2.31	-12.31	0.01	0.0	-0.02	-12.60
82	138	-4.32	6.22e-05	-1.37e-05	-2.42	0.0	-0.17	-5.58	0.02	0.0	-9.79e-03	-4.32
		-8.55	-9.79e-03	2.79e-05	0.0	50.6	-0.17	-7.99	0.02	0.0	6.22e-05	-8.55
82	139	-7.04	-0.02	-1.11e-04	-2.42	0.0	4.52	-9.24	8.48e-03	0.0	-0.02	-7.04
		-11.55	-0.02	-4.40e-05	0.0	50.6	4.52	-11.66	8.48e-03	0.0	-0.02	-11.55
82	150	-3.87	-1.39e-03	2.50e-05	-2.42	0.0	-2.38	-7.88	0.02	0.0	-0.01	-3.87
		-11.32	-0.01	-1.18e-04	0.0	50.6	-2.38	-10.30	0.02	0.0	-1.39e-03	-11.32
82	151	-7.50	-0.02	-1.50e-04	-2.42	0.0	6.73	-6.94	6.23e-03	0.0	-0.02	-7.50
		-8.77	-0.02	1.02e-04	0.0	50.6	6.73	-9.36	6.23e-03	0.0	-0.02	-8.77
82	169	-6.32	-0.02	-7.06e-05	-2.42	0.0	2.33	-10.21	0.01	0.0	-0.02	-6.32
		-12.92	-0.02	-1.30e-04	0.0	50.6	2.33	-12.63	0.01	0.0	-0.02	-12.92
82	170	-4.16	1.26e-03	-7.58e-06	-2.42	0.0	-0.47	-5.33	0.02	0.0	-8.92e-03	-4.16
		-8.35	-8.92e-03	3.32e-05	0.0	50.6	-0.47	-7.75	0.02	0.0	1.26e-03	-8.35
82	171	-7.21	-0.02	-1.17e-04	-2.42	0.0	4.81	-9.49	7.71e-03	0.0	-0.02	-7.21
		-11.74	-0.02	-4.93e-05	0.0	50.6	4.81	-11.91	7.71e-03	0.0	-0.02	-11.74
82	182	-3.94	-1.45e-03	2.38e-05	-2.42	0.0	-2.31	-7.75	0.02	0.0	-0.01	-3.94
		-11.19	-0.01	-1.17e-04	0.0	50.6	-2.31	-10.17	0.02	0.0	-1.45e-03	-11.19
82	183	-7.43	-0.02	-1.49e-04	-2.42	0.0	6.65	-7.07	6.51e-03	0.0	-0.02	-7.43
		-8.90	-0.02	1.01e-04	0.0	50.6	6.65	-9.49	6.51e-03	0.0	-0.02	-8.90
82	201	-6.34	-0.02	-7.16e-05	-2.42	0.0	2.37	-10.23	0.01	0.0	-0.02	-6.34
		-12.91	-0.02	-1.34e-04	0.0	50.6	2.37	-12.65	0.01	0.0	-0.02	-12.91
82	202	-4.18	1.44e-03	-7.46e-06	-2.42	0.0	-0.46	-5.25	0.02	0.0	-8.84e-03	-4.18
		-8.28	-8.84e-03	3.72e-05	0.0	50.6	-0.46	-7.66	0.02	0.0	1.44e-03	-8.28
82	203	-7.19	-0.02	-1.18e-04	-2.42	0.0	4.80	-9.57	7.73e-03	0.0	-0.02	-7.19
		-11.81	-0.02	-5.33e-05	0.0	50.6	4.80	-11.99	7.73e-03	0.0	-0.02	-11.81
82	214	-3.66	-1.21e-04	3.82e-05	-2.42	0.0	-3.05	-7.77	0.02	0.0	-0.01	-3.66
		-11.34	-0.01	-1.35e-04	0.0	50.6	-3.05	-10.19	0.02	0.0	-1.21e-04	-11.34
82	215	-7.71	-0.02	-1.63e-04	-2.42	0.0	7.40	-7.05	5.21e-03	0.0	-0.02	-7.71
		-8.76	-0.02	1.19e-04	0.0	50.6	7.40	-9.47	5.21e-03	0.0	-0.02	-8.76
82	233	-6.47	-0.02	-7.37e-05	-2.42	0.0	2.43	-10.74	0.01	0.0	-0.02	-6.47
		-13.43	-0.02	-1.58e-04	0.0	50.6	2.43	-13.16	0.01	0.0	-0.02	-13.43
82	234	-3.92	3.41e-03	3.84e-06	-2.42	0.0	-0.92	-4.83	0.02	0.0	-7.42e-03	-3.92
		-7.93	-7.42e-03	4.76e-05	0.0	50.6	-0.92	-7.24	0.02	0.0	3.41e-03	-7.93
82	235	-7.45	-0.02	-1.27e-04	-2.42	0.0	5.26	-9.99	6.51e-03	0.0	-0.03	-7.45
		-12.16	-0.03	-6.38e-05	0.0	50.6	5.26	-12.41	6.51e-03	0.0	-0.02	-12.16
82	259	-10.41	-0.01	-8.59e-05	-4.30	0.0	4.11	-13.04	0.02	0.0	-0.02	-10.41
		-18.10	-0.02	-1.31e-05	0.0	50.6	4.11	-17.34	0.02	0.0	-0.01	-18.10
82	268	-8.14	-0.01	-8.76e-05	-3.36	0.0	3.11	-10.28	0.02	0.0	-0.02	-8.14
		-14.19	-0.02	-1.16e-05	0.0	50.6	3.11	-13.64	0.02	0.0	-0.01	-14.19
82	271	-10.43	-0.01	-8.70e-05	-4.30	0.0	3.95	-13.16	0.02	0.0	-0.02	-10.43
		-18.17	-0.02	-1.07e-05	0.0	50.6	3.95	-17.46	0.02	0.0	-0.01	-18.17
82	273	-5.60	-7.64e-03	-4.75e-05	-2.42	0.0	1.86	-7.59	0.01	0.0	-0.01	-5.60
		-10.06	-0.01	-6.65e-06	0.0	50.6	1.86	-10.01	0.01	0.0	-7.64e-03	-10.06
82	285	-5.55	-6.84e-03	-4.07e-05	-2.42	0.0	2.08	-7.42	0.01	0.0	-0.01	-5.55
		-9.92	-0.01	-4.23e-06	0.0	50.6	2.08	-9.84	0.01	0.0	-6.84e-03	-9.92
82	301	-6.63	-9.73e-03	-6.62e-05	-2.79	0.0	2.54	-8.55	0.01	0.0	-0.02	-6.63
		-11.66	-0.02	-8.30e-06	0.0	50.6	2.54	-11.34	0.01	0.0	-9.73e-03	-11.66
82	306	-5.57	-7.21e-03	-4.39e-05	-2.42	0.0	1.98	-7.50	0.01	0.0	-0.01	-5.57
		-9.98	-0.01	-5.36e-06	0.0	50.6	1.98	-9.92	0.01	0.0	-7.21e-03	-9.98
82	308	-5.56	-7.05e-03	-4.25e-05	-2.42	0.0	2.02	-7.47	0.01	0.0	-0.01	-5.56
		-9.95	-0.01	-4.88e-06	0.0	50.6	2.02	-9.88	0.01	0.0	-7.05e-03	-9.95
82	309	-5.57	-7.11e-03	-4.30e-05	-2.42	0.0	2.01	-7.48	0.01	0.0	-0.01	-5.57
		-9.96	-0.01	-5.04e-06	0.0	50.6	2.01	-9.90	0.01	0.0	-7.11e-03	-9.96
82	310	-5.68	-9.18e-03	-6.25e-05	-2.42	0.0	2.17	-7.41	0.01	0.0	-0.02	-5.68
		-10.05	-0.02	-8.08e-06	0.0	50.6	2.17	-9.83	0.01	0.0	-9.18e-03	-10.05
83	19	-2.80	4.72e-03	-3.14e-05	-2.26	0.0	1.22	-3.70	-0.03	0.0	4.72e-03	-2.80
		-5.24	-0.01	0.0	0.0	50.6	1.22	-5.96	-0.03	0.0	-0.01	-5.24
83	35	-8.26	0.01	-9.52e-05	-6.12	0.0	4.23	-9.92	-0.09	0.0	0.01	-8.26
		-14.83	-0.03	-1.58e-05	0.0	50.6	4.23	-16.04	-0.09	0.0	-0.03	-14.83
83	52	-6.29	0.01	-1.04e-04	-4.71	0.0	3.04	-7.77	-0.09	0.0	0.01	-6.29
		-11.41	-0.03	-1.36e-05	0.0	50.6	3.04	-12.48	-0.09	0.0	-0.03	-11.41
83	59	-8.20	0.01	-9.69e-05	-6.12	0.0	3.89	-10.09	-0.09	0.0	0.01	-8.20
		-14.85	-0.03	-1.22e-05	0.0	50.6	3.89	-16.22	-0.09	0.0	-0.03	-14.85
83	69	-2.81	5.05e-03	-3.99e-05	-2.26	0.0	1.01	-3.78	-0.03	0.0	5.05e-03	-2.81
		-5.30	-0.01	-5.92e-06	0.0	50.6	1.01	-6.04	-0.03	0.0	-0.01	-5.30
83	113	-1.78	5.74e-03	6.35e-06	-2.42	0.0	-2.15	-5.03	-0.04	0.0	5.74e-03	-1.78
		-4.54	-0.01	-1.76e-04	0.0	50.6	-2.15	-7.45	-0.04	0.0	-0.01	-4.54
83	118	-1.99	4.38e-03	1.81e-05	-2.42	0.0	-2.57	-4.15	-0.03	0.0	4.38e-03	-1.99
		-4.07	-0.01	-1.04e-04	0.0	50.6	-2.57	-6.57	-0.03	0.0	-0.01	-4.07

83	119	-4.21	9.51e-03	-1.26e-04	-2.42	0.0	5.67	-3.65	-0.06	0.0	9.51e-03	-4.21
		-7.30	-0.02	9.11e-05	0.0	50.6	5.67	-6.06	-0.06	0.0	-0.02	-7.30
83	139	-3.13	0.01	-9.84e-05	-2.42	0.0	3.46	-5.42	-0.07	0.0	0.01	-3.13
		-7.04	-0.02	-4.48e-05	0.0	50.6	3.46	-7.84	-0.07	0.0	-0.02	-7.04
83	145	-1.62	5.61e-03	1.37e-05	-2.42	0.0	-2.60	-5.17	-0.04	0.0	5.61e-03	-1.62
		-4.40	-0.01	-1.97e-04	0.0	50.6	-2.60	-7.59	-0.04	0.0	-0.01	-4.40
83	150	-1.85	4.06e-03	2.70e-05	-2.42	0.0	-3.07	-4.17	-0.03	0.0	4.06e-03	-1.85
		-3.87	-0.01	-1.16e-04	0.0	50.6	-3.07	-6.59	-0.03	0.0	-0.01	-3.87
83	151	-4.34	9.83e-03	-1.35e-04	-2.42	0.0	6.18	-3.62	-0.06	0.0	9.83e-03	-4.34
		-7.50	-0.02	1.03e-04	0.0	50.6	6.18	-6.04	-0.06	0.0	-0.02	-7.50
83	171	-3.13	0.01	-1.04e-04	-2.42	0.0	3.69	-5.62	-0.07	0.0	0.01	-3.13
		-7.21	-0.02	-5.03e-05	0.0	50.6	3.69	-8.04	-0.07	0.0	-0.02	-7.21
83	177	-1.66	5.72e-03	1.24e-05	-2.42	0.0	-2.53	-5.11	-0.04	0.0	5.72e-03	-1.66
		-4.47	-0.01	-2.00e-04	0.0	50.6	-2.53	-7.53	-0.04	0.0	-0.01	-4.47
83	182	-1.88	4.13e-03	2.58e-05	-2.42	0.0	-2.99	-4.08	-0.03	0.0	4.13e-03	-1.88
		-3.94	-0.01	-1.15e-04	0.0	50.6	-2.99	-6.50	-0.03	0.0	-0.01	-3.94
83	183	-4.32	9.76e-03	-1.34e-04	-2.42	0.0	6.10	-3.71	-0.06	0.0	9.76e-03	-4.32
		-7.43	-0.02	1.02e-04	0.0	50.6	6.10	-6.13	-0.06	0.0	-0.02	-7.43
83	203	-3.16	0.01	-1.04e-04	-2.42	0.0	3.66	-5.69	-0.07	0.0	0.01	-3.16
		-7.19	-0.02	-5.41e-05	0.0	50.6	3.66	-8.11	-0.07	0.0	-0.02	-7.19
83	209	-1.42	5.55e-03	2.33e-05	-2.42	0.0	-3.21	-5.31	-0.04	0.0	5.55e-03	-1.42
		-4.28	-0.01	-2.37e-04	0.0	50.6	-3.21	-7.73	-0.04	0.0	-0.01	-4.28
83	214	-1.67	3.66e-03	3.91e-05	-2.42	0.0	-3.75	-4.09	-0.03	0.0	3.66e-03	-1.67
		-3.66	-0.01	-1.33e-04	0.0	50.6	-3.75	-6.51	-0.03	0.0	-0.01	-3.66
83	215	-4.53	0.01	-1.47e-04	-2.42	0.0	6.86	-3.71	-0.06	0.0	0.01	-4.53
		-7.71	-0.02	1.20e-04	0.0	50.6	6.86	-6.13	-0.06	0.0	-0.02	-7.71
83	235	-3.18	0.01	-1.13e-04	-2.42	0.0	4.02	-6.04	-0.07	0.0	0.01	-3.18
		-7.45	-0.03	-6.49e-05	0.0	50.6	4.02	-8.46	-0.07	0.0	-0.03	-7.45
83	248	-2.97	5.18e-03	-3.47e-05	-2.42	0.0	1.31	-3.93	-0.03	0.0	5.18e-03	-2.97
		-5.56	-0.01	0.0	0.0	50.6	1.31	-6.34	-0.03	0.0	-0.01	-5.56
83	259	-5.80	8.91e-03	-6.65e-05	-4.30	0.0	2.98	-6.96	-0.06	0.0	8.91e-03	-5.80
		-10.41	-0.02	-1.09e-05	0.0	50.6	2.98	-11.26	-0.06	0.0	-0.02	-10.41
83	268	-4.49	9.07e-03	-7.24e-05	-3.36	0.0	2.18	-5.53	-0.06	0.0	9.07e-03	-4.49
		-8.14	-0.02	-9.41e-06	0.0	50.6	2.18	-8.89	-0.06	0.0	-0.02	-8.14
83	271	-5.76	9.02e-03	-6.76e-05	-4.30	0.0	2.75	-7.08	-0.06	0.0	9.02e-03	-5.76
		-10.43	-0.02	-8.48e-06	0.0	50.6	2.75	-11.38	-0.06	0.0	-0.02	-10.43
83	273	-2.98	5.40e-03	-4.05e-05	-2.42	0.0	1.17	-3.98	-0.04	0.0	5.40e-03	-2.98
		-5.60	-0.01	-5.34e-06	0.0	50.6	1.17	-6.40	-0.04	0.0	-0.01	-5.60
83	301	-3.63	7.28e-03	-5.55e-05	-2.79	0.0	1.81	-4.52	-0.05	0.0	7.28e-03	-3.63
		-6.63	-0.02	-6.51e-06	0.0	50.6	1.81	-7.32	-0.05	0.0	-0.02	-6.63
83	302	-2.99	5.19e-03	-3.58e-05	-2.42	0.0	1.37	-3.89	-0.03	0.0	5.19e-03	-2.99
		-5.57	-0.01	-3.21e-06	0.0	50.6	1.37	-6.31	-0.03	0.0	-0.01	-5.57
83	306	-2.99	5.23e-03	-3.69e-05	-2.42	0.0	1.34	-3.90	-0.03	0.0	5.23e-03	-2.99
		-5.57	-0.01	-4.08e-06	0.0	50.6	1.34	-6.32	-0.03	0.0	-0.01	-5.57
83	309	-2.99	5.19e-03	-3.61e-05	-2.42	0.0	1.39	-3.88	-0.03	0.0	5.19e-03	-2.99
		-5.57	-0.01	-3.77e-06	0.0	50.6	1.39	-6.30	-0.03	0.0	-0.01	-5.57
83	310	-3.10	6.95e-03	-5.39e-05	-2.42	0.0	1.55	-3.90	-0.05	0.0	6.95e-03	-3.10
		-5.68	-0.02	-6.37e-06	0.0	50.6	1.55	-6.32	-0.05	0.0	-0.02	-5.68
84	19	-1.55	4.72e-03	-3.37e-05	-2.26	0.0	0.72	-1.33	9.23e-03	0.0	4.75e-05	-1.55
		-2.80	4.75e-05	0.0	0.0	50.6	0.72	-3.59	9.23e-03	0.0	4.72e-03	-2.80
84	35	-4.80	0.01	-9.38e-05	-6.12	0.0	2.65	-3.77	0.02	0.0	4.36e-04	-4.80
		-8.26	4.36e-04	-1.73e-05	0.0	50.6	2.65	-9.89	0.02	0.0	0.01	-8.26
84	52	-3.66	0.01	-1.05e-04	-4.71	0.0	1.83	-2.85	0.02	0.0	4.11e-04	-3.66
		-6.29	4.11e-04	-1.51e-05	0.0	50.6	1.83	-7.56	0.02	0.0	0.01	-6.29
84	69	-1.55	5.05e-03	-4.25e-05	-2.26	0.0	0.50	-1.37	9.51e-03	0.0	2.38e-04	-1.55
		-2.81	2.38e-04	-6.50e-06	0.0	50.6	0.50	-3.64	9.51e-03	0.0	5.05e-03	-2.81
84	114	-0.64	4.77e-03	8.73e-06	-2.42	0.0	-2.55	-1.74	0.02	0.0	-2.94e-03	-0.64
		-2.00	-2.94e-03	-7.63e-05	0.0	50.6	-2.55	-4.15	0.02	0.0	4.77e-03	-2.00
84	115	-3.01	9.12e-03	-1.21e-04	-2.42	0.0	4.50	-0.90	9.95e-03	0.0	3.30e-03	-3.01
		-4.20	3.30e-03	6.19e-05	0.0	50.6	4.50	-3.31	9.95e-03	0.0	9.12e-03	-4.20
84	116	-3.38	8.15e-03	-1.10e-04	-2.42	0.0	4.14	-0.41	8.63e-03	0.0	2.85e-03	-3.38
		-4.42	2.85e-03	1.64e-04	0.0	50.6	4.14	-2.83	8.63e-03	0.0	8.15e-03	-4.42
84	118	-0.64	4.38e-03	1.28e-05	-2.42	0.0	-2.53	-1.65	0.02	0.0	-3.02e-03	-0.64
		-1.99	-3.02e-03	-1.04e-04	0.0	50.6	-2.53	-4.07	0.02	0.0	4.38e-03	-1.99
84	125	-0.17	7.00e-03	-2.16e-05	-2.42	0.0	-1.42	-2.47	0.02	0.0	-1.40e-03	-0.17
		-1.92	-1.40e-03	-1.15e-05	0.0	50.6	-1.42	-4.89	0.02	0.0	7.00e-03	-1.92
84	139	-1.61	0.01	-1.06e-04	-2.42	0.0	2.52	-2.20	0.02	0.0	2.05e-03	-1.61
		-3.13	2.05e-03	-4.83e-05	0.0	50.6	2.52	-4.62	0.02	0.0	0.01	-3.13
84	146	-0.49	4.51e-03	1.67e-05	-2.42	0.0	-2.98	-1.78	0.02	0.0	-3.32e-03	-0.49
		-1.87	-3.32e-03	-8.45e-05	0.0	50.6	-2.98	-4.20	0.02	0.0	4.51e-03	-1.87
84	147	-3.15	9.38e-03	-1.29e-04	-2.42	0.0	4.93	-0.85	9.55e-03	0.0	3.68e-03	-3.15
		-4.33	3.68e-03	7.02e-05	0.0	50.6	4.93	-3.27	9.55e-03	0.0	9.38e-03	-4.33
84	148	-3.58	8.29e-03	-1.16e-04	-2.42	0.0	4.53	-0.30	8.05e-03	0.0	3.17e-03	-3.58
		-4.58	3.17e-03	1.86e-04	0.0	50.6	4.53	-2.72	8.05e-03	0.0	8.29e-03	-4.58
84	150	-0.49	4.06e-03	2.12e-05	-2.42	0.0	-2.96	-1.69	0.02	0.0	-3.41e-03	-0.49

		-1.85	-3.41e-03	-1.16e-04	0.0	50.6	-2.96	-4.11	0.02	0.0	4.06e-03	-1.85
84	157	0.04	7.03e-03	-1.74e-05	-2.42	0.0	-1.71	-2.61	0.02	0.0	-1.60e-03	0.04
		-1.78	-1.60e-03	-1.23e-05	0.0	50.6	-1.71	-5.03	0.02	0.0	7.03e-03	-1.78
84	171	-1.58	0.01	-1.12e-04	-2.42	0.0	2.71	-2.32	0.02	0.0	2.28e-03	-1.58
		-3.13	2.28e-03	-5.42e-05	0.0	50.6	2.71	-4.74	0.02	0.0	0.01	-3.13
84	178	-0.52	4.58e-03	1.54e-05	-2.42	0.0	-2.91	-1.73	0.02	0.0	-3.25e-03	-0.52
		-1.89	-3.25e-03	-8.15e-05	0.0	50.6	-2.91	-4.15	0.02	0.0	4.58e-03	-1.89
84	179	-3.13	9.31e-03	-1.27e-04	-2.42	0.0	4.86	-0.90	9.81e-03	0.0	3.61e-03	-3.13
		-4.31	3.61e-03	6.72e-05	0.0	50.6	4.86	-3.32	9.81e-03	0.0	9.31e-03	-4.31
84	180	-3.56	8.18e-03	-1.15e-04	-2.42	0.0	4.47	-0.33	8.26e-03	0.0	3.11e-03	-3.56
		-4.54	3.11e-03	1.88e-04	0.0	50.6	4.47	-2.75	8.26e-03	0.0	8.18e-03	-4.54
84	182	-0.51	4.13e-03	2.01e-05	-2.42	0.0	-2.90	-1.64	0.02	0.0	-3.35e-03	-0.51
		-1.88	-3.35e-03	-1.15e-04	0.0	50.6	-2.90	-4.06	0.02	0.0	4.13e-03	-1.88
84	185	0.02	6.70e-03	-1.37e-05	-2.42	0.0	-1.65	-2.50	0.02	0.0	-1.65e-03	0.02
		-1.79	-1.65e-03	-4.70e-05	0.0	50.6	-1.65	-4.92	0.02	0.0	6.70e-03	-1.79
84	203	-1.56	0.01	-1.12e-04	-2.42	0.0	2.68	-2.36	0.02	0.0	2.27e-03	-1.56
		-3.16	2.27e-03	-5.78e-05	0.0	50.6	2.68	-4.78	0.02	0.0	0.01	-3.16
84	210	-0.30	4.18e-03	2.72e-05	-2.42	0.0	-3.56	-1.79	0.02	0.0	-3.82e-03	-0.30
		-1.70	-3.82e-03	-9.21e-05	0.0	50.6	-3.56	-4.20	0.02	0.0	4.18e-03	-1.70
84	211	-3.34	9.71e-03	-1.39e-04	-2.42	0.0	5.51	-0.84	9.26e-03	0.0	4.18e-03	-3.34
		-4.50	4.18e-03	7.77e-05	0.0	50.6	5.51	-3.26	9.26e-03	0.0	9.71e-03	-4.50
84	212	-3.87	8.35e-03	-1.25e-04	-2.42	0.0	5.05	-0.16	7.39e-03	0.0	3.59e-03	-3.87
		-4.78	3.59e-03	2.25e-04	0.0	50.6	5.05	-2.58	7.39e-03	0.0	8.35e-03	-4.78
84	214	-0.30	3.66e-03	3.28e-05	-2.42	0.0	-3.54	-1.68	0.02	0.0	-3.93e-03	-0.30
		-1.67	-3.93e-03	-1.33e-04	0.0	50.6	-3.54	-4.10	0.02	0.0	3.66e-03	-1.67
84	217	0.32	6.70e-03	-7.14e-06	-2.42	0.0	-2.08	-2.71	0.02	0.0	-1.94e-03	0.32
		-1.57	-1.94e-03	-5.67e-05	0.0	50.6	-2.08	-5.13	0.02	0.0	6.70e-03	-1.57
84	235	-1.50	0.01	-1.22e-04	-2.42	0.0	2.96	-2.57	0.02	0.0	2.64e-03	-1.50
		-3.18	2.64e-03	-6.90e-05	0.0	50.6	2.96	-4.99	0.02	0.0	0.01	-3.18
84	248	-1.66	5.18e-03	-3.76e-05	-2.42	0.0	0.78	-1.38	0.01	0.0	7.91e-05	-1.66
		-2.97	7.91e-05	-1.57e-06	0.0	50.6	0.78	-3.80	0.01	0.0	5.18e-03	-2.97
84	259	-3.37	8.91e-03	-6.54e-05	-4.30	0.0	1.86	-2.64	0.02	0.0	3.03e-04	-3.37
		-5.80	3.03e-04	-1.19e-05	0.0	50.6	1.86	-6.95	0.02	0.0	8.91e-03	-5.80
84	268	-2.61	9.07e-03	-7.32e-05	-3.36	0.0	1.32	-2.03	0.02	0.0	2.86e-04	-2.61
		-4.49	2.86e-04	-1.05e-05	0.0	50.6	1.32	-5.39	0.02	0.0	9.07e-03	-4.49
84	273	-1.65	5.40e-03	-4.34e-05	-2.42	0.0	0.63	-1.41	0.01	0.0	2.06e-04	-1.65
		-2.98	2.06e-04	-5.97e-06	0.0	50.6	0.63	-3.83	0.01	0.0	5.40e-03	-2.98
84	301	-2.12	7.28e-03	-5.71e-05	-2.79	0.0	1.13	-1.59	0.01	0.0	1.90e-04	-2.12
		-3.63	1.90e-04	-7.36e-06	0.0	50.6	1.13	-4.39	0.01	0.0	7.28e-03	-3.63
84	302	-1.69	5.19e-03	-3.84e-05	-2.42	0.0	0.83	-1.35	0.01	0.0	1.19e-04	-1.69
		-2.99	1.19e-04	-3.81e-06	0.0	50.6	0.83	-3.77	0.01	0.0	5.19e-03	-2.99
84	306	-1.69	5.23e-03	-3.96e-05	-2.42	0.0	0.81	-1.35	0.01	0.0	1.44e-04	-1.69
		-2.99	1.44e-04	-4.69e-06	0.0	50.6	0.81	-3.77	0.01	0.0	5.23e-03	-2.99
84	309	-1.70	5.19e-03	-3.86e-05	-2.42	0.0	0.85	-1.34	0.01	0.0	1.29e-04	-1.70
		-2.99	1.29e-04	-4.37e-06	0.0	50.6	0.85	-3.76	0.01	0.0	5.19e-03	-2.99
84	310	-1.82	6.95e-03	-5.61e-05	-2.42	0.0	0.97	-1.32	0.01	0.0	1.79e-04	-1.82
		-3.10	1.79e-04	-7.17e-06	0.0	50.6	0.97	-3.73	0.01	0.0	6.95e-03	-3.10
85	9	-47.90	5.35e-03	-7.57e-04	-13.02	0.0	5.32	-25.30	0.01	0.0	-9.72e-04	-47.90
		-64.15	-9.72e-04	-3.89e-06	0.0	51.1	5.32	-38.32	0.01	0.0	5.35e-03	-64.15
85	17	-25.69	5.62e-03	-5.08e-04	-6.86	0.0	2.97	-12.45	0.02	0.0	-2.14e-03	-25.69
		-33.81	-2.14e-03	-5.79e-06	0.0	51.1	2.97	-19.31	0.02	0.0	5.62e-03	-33.81
85	59	-48.30	5.26e-03	-8.46e-04	-13.02	0.0	5.64	-24.53	0.01	0.0	-2.43e-04	-48.30
		-64.15	-2.43e-04	-1.23e-05	0.0	51.1	5.64	-37.55	0.01	0.0	5.26e-03	-64.15
85	76	-36.97	7.76e-03	-6.94e-04	-9.94	0.0	4.13	-18.53	0.02	0.0	-1.45e-03	-36.97
		-48.98	-1.45e-03	-1.18e-05	0.0	51.1	4.13	-28.47	0.02	0.0	7.76e-03	-48.98
85	93	-17.19	4.07e-03	-2.80e-04	-4.67	0.0	1.77	-9.08	9.34e-03	0.0	-7.03e-04	-17.19
		-23.02	-7.03e-04	-2.51e-06	0.0	51.1	1.77	-13.75	9.34e-03	0.0	4.07e-03	-23.02
85	130	-13.52	0.06	-1.69e-04	-5.02	0.0	-0.79	-14.83	0.15	0.0	-0.02	-13.52
		-29.73	-0.02	8.14e-05	0.0	51.1	-0.79	-19.85	0.15	0.0	0.06	-29.73
85	131	-19.68	0.02	-5.46e-04	-5.02	0.0	5.11	-3.54	-0.14	0.0	0.02	-23.94
		-23.94	-0.05	-9.44e-05	0.0	51.1	5.11	-8.56	-0.14	0.0	-0.05	-19.68
85	138	-12.55	0.06	-1.17e-04	-5.02	0.0	-1.11	-16.12	0.15	0.0	-0.02	-12.55
		-18.27	-0.02	1.15e-05	0.0	51.1	-1.11	-21.14	0.15	0.0	0.06	-18.27
85	139	-24.92	0.02	-5.98e-04	-5.02	0.0	5.43	-2.25	-0.13	0.0	0.02	-24.92
		-31.14	-0.05	-2.45e-05	0.0	51.1	5.43	-7.27	-0.13	0.0	-0.05	-31.14
85	143	-24.61	0.02	-6.07e-04	-5.02	0.0	5.16	-2.59	-0.12	0.0	0.02	-24.61
		-31.19	-0.04	-6.62e-05	0.0	51.1	5.16	-7.61	-0.12	0.0	-0.04	-31.19
85	162	-12.88	0.07	-1.44e-04	-5.02	0.0	-1.18	-15.54	0.17	0.0	-0.02	-12.88
		-30.31	-0.02	9.43e-05	0.0	51.1	-1.18	-20.55	0.17	0.0	0.07	-30.31
85	163	-19.10	0.02	-5.71e-04	-5.02	0.0	5.49	-2.84	-0.15	0.0	0.02	-24.58
		-24.58	-0.06	-1.07e-04	0.0	51.1	5.49	-7.85	-0.15	0.0	-0.06	-19.10
85	170	-11.79	0.06	-8.55e-05	-5.02	0.0	-1.54	-16.97	0.17	0.0	-0.03	-11.79
		-17.54	-0.03	1.46e-05	0.0	51.1	-1.54	-21.99	0.17	0.0	0.06	-17.54
85	171	-25.67	0.02	-6.30e-04	-5.02	0.0	5.85	-1.40	-0.15	0.0	0.02	-25.67
		-31.88	-0.05	-2.76e-05	0.0	51.1	5.85	-6.42	-0.15	0.0	-0.05	-31.88

85	175	-25.33	0.02	-6.39e-04	-5.02	0.0	5.55	-1.78	-0.14	0.0	0.02	-25.33
		-31.93	-0.05	-7.45e-05	0.0	51.1	5.55	-6.80	-0.14	0.0	-0.05	-31.93
85	194	-13.02	0.07	-1.37e-04	-5.02	0.0	-1.26	-15.49	0.17	0.0	-0.02	-13.02
		-29.92	-0.02	1.06e-04	0.0	51.1	-1.26	-20.51	0.17	0.0	0.07	-29.92
85	195	-19.50	0.02	-5.78e-04	-5.02	0.0	5.57	-2.88	-0.16	0.0	0.02	-24.45
		-24.45	-0.06	-1.19e-04	0.0	51.1	5.57	-7.90	-0.16	0.0	-0.06	-19.50
85	202	-11.95	0.06	-7.91e-05	-5.02	0.0	-1.60	-16.82	0.17	0.0	-0.03	-11.95
		-18.05	-0.03	1.96e-05	0.0	51.1	-1.60	-21.84	0.17	0.0	0.06	-18.05
85	203	-25.51	0.02	-6.36e-04	-5.02	0.0	5.91	-1.55	-0.15	0.0	0.02	-25.51
		-31.36	-0.06	-3.26e-05	0.0	51.1	5.91	-6.57	-0.15	0.0	-0.06	-31.36
85	207	-25.16	0.02	-6.46e-04	-5.02	0.0	5.62	-1.93	-0.14	0.0	0.02	-25.16
		-31.40	-0.05	-7.94e-05	0.0	51.1	5.62	-6.94	-0.14	0.0	-0.05	-31.40
85	226	-11.94	0.08	-9.22e-05	-5.02	0.0	-1.93	-16.69	0.20	0.0	-0.03	-11.94
		-30.85	-0.03	1.35e-04	0.0	51.1	-1.93	-21.71	0.20	0.0	0.08	-30.85
85	227	-18.57	0.02	-6.23e-04	-5.02	0.0	6.25	-1.68	-0.19	0.0	0.02	-25.52
		-25.52	-0.07	-1.48e-04	0.0	51.1	6.25	-6.70	-0.19	0.0	-0.07	-18.57
85	234	-10.72	0.07	-2.65e-05	-5.02	0.0	-2.30	-18.20	0.20	0.0	-0.03	-10.72
		-16.88	-0.03	2.71e-05	0.0	51.1	-2.30	-23.22	0.20	0.0	0.07	-16.88
85	235	-26.75	0.03	-6.89e-04	-5.02	0.0	6.61	-0.17	-0.18	0.0	0.03	-26.75
		-32.53	-0.07	-4.01e-05	0.0	51.1	6.61	-5.19	-0.18	0.0	-0.07	-32.53
85	239	-26.34	0.03	-7.01e-04	-5.02	0.0	6.27	-0.60	-0.16	0.0	0.03	-26.34
		-32.58	-0.06	-9.50e-05	0.0	51.1	6.27	-5.62	-0.16	0.0	-0.06	-32.58
85	245	-33.55	3.80e-03	-5.31e-04	-9.12	0.0	3.73	-17.72	8.74e-03	0.0	-6.66e-04	-33.55
		-44.94	-6.66e-04	-2.97e-06	0.0	51.1	3.73	-26.85	8.74e-03	0.0	3.80e-03	-44.94
85	250	-18.75	3.97e-03	-3.66e-04	-5.02	0.0	2.16	-9.16	0.01	0.0	-1.45e-03	-18.75
		-24.71	-1.45e-03	-4.23e-06	0.0	51.1	2.16	-14.17	0.01	0.0	3.97e-03	-24.71
85	271	-33.82	3.73e-03	-5.91e-04	-9.12	0.0	3.94	-17.21	7.66e-03	0.0	-1.80e-04	-33.82
		-44.94	-1.80e-04	-8.59e-06	0.0	51.1	3.94	-26.33	7.66e-03	0.0	3.73e-03	-44.94
85	280	-26.27	5.40e-03	-4.90e-04	-7.07	0.0	2.94	-13.21	0.01	0.0	-9.86e-04	-26.27
		-34.82	-9.86e-04	-8.20e-06	0.0	51.1	2.94	-20.28	0.01	0.0	5.40e-03	-34.82
85	285	-18.51	3.85e-03	-3.06e-04	-5.02	0.0	1.98	-9.62	8.61e-03	0.0	-5.50e-04	-18.51
		-24.71	-5.50e-04	-3.09e-06	0.0	51.1	1.98	-14.63	8.61e-03	0.0	3.85e-03	-24.71
85	299	-21.58	3.10e-03	-3.58e-04	-5.84	0.0	2.43	-11.12	6.47e-03	0.0	-2.03e-04	-21.58
		-28.75	-2.03e-04	-3.98e-06	0.0	51.1	2.43	-16.96	6.47e-03	0.0	3.10e-03	-28.75
85	301	-21.73	3.99e-03	-4.01e-04	-5.84	0.0	2.48	-10.84	8.91e-03	0.0	-5.58e-04	-21.73
		-28.75	-5.58e-04	-6.65e-06	0.0	51.1	2.48	-16.67	8.91e-03	0.0	3.99e-03	-28.75
85	303	-18.73	3.82e-03	-3.58e-04	-5.02	0.0	2.16	-9.19	8.91e-03	0.0	-7.30e-04	-18.73
		-24.71	-7.30e-04	-5.95e-06	0.0	51.1	2.16	-14.21	8.91e-03	0.0	3.82e-03	-24.71
85	308	-18.57	3.11e-03	-3.13e-04	-5.02	0.0	2.08	-9.50	6.64e-03	0.0	-2.79e-04	-18.57
		-24.71	-2.79e-04	-3.68e-06	0.0	51.1	2.08	-14.51	6.64e-03	0.0	3.11e-03	-24.71
85	309	-18.59	2.93e-03	-3.14e-04	-5.02	0.0	2.10	-9.47	6.15e-03	0.0	-2.11e-04	-18.59
		-24.71	-2.11e-04	-3.83e-06	0.0	51.1	2.10	-14.49	6.15e-03	0.0	2.93e-03	-24.71
85	310	-18.73	3.82e-03	-3.58e-04	-5.02	0.0	2.16	-9.19	8.59e-03	0.0	-5.66e-04	-18.73
		-24.71	-5.66e-04	-6.49e-06	0.0	51.1	2.16	-14.20	8.59e-03	0.0	3.82e-03	-24.71
86	44	-32.37	1.58e-03	-5.24e-04	-9.94	0.0	3.25	-4.01	0.02	0.0	-7.23e-03	-32.37
		-36.96	-7.23e-03	-1.87e-05	0.0	51.1	3.25	-13.95	0.02	0.0	1.58e-03	-36.96
86	46	-22.79	2.30e-03	-3.05e-04	-7.75	0.0	2.23	-7.42	0.01	0.0	-4.59e-03	-22.79
		-28.56	-4.59e-03	-1.26e-05	0.0	51.1	2.23	-15.17	0.01	0.0	2.30e-03	-28.56
86	59	-40.91	-2.43e-04	-6.35e-04	-13.02	0.0	4.07	-7.94	0.01	0.0	-6.70e-03	-40.91
		-48.30	-6.70e-03	-1.23e-05	0.0	51.1	4.07	-20.96	0.01	0.0	-2.43e-04	-48.30
86	93	-14.18	-7.03e-04	-2.01e-04	-4.67	0.0	1.41	-3.55	1.75e-03	0.0	-1.60e-03	-14.18
		-17.19	-1.60e-03	-2.42e-06	0.0	51.1	1.41	-8.23	1.75e-03	0.0	-7.03e-04	-17.19
86	118	-12.21	0.03	-2.22e-04	-5.02	0.0	0.36	-5.05	-0.14	0.0	0.03	-12.21
		-15.48	-0.04	-1.08e-04	0.0	51.1	0.36	-10.06	-0.14	0.0	-0.04	-15.48
86	119	-21.63	0.04	-3.69e-04	-5.02	0.0	3.11	3.53	0.15	0.0	-0.04	-21.92
		-21.98	-0.04	9.56e-05	0.0	51.1	3.11	-1.48	0.15	0.0	0.04	-21.98
86	138	-9.74	0.02	-8.64e-05	-5.02	0.0	-0.45	-6.35	-0.08	0.0	0.02	-9.74
		-12.55	-0.02	1.80e-05	0.0	51.1	-0.45	-11.37	-0.08	0.0	-0.02	-12.55
86	139	-24.28	0.02	-5.05e-04	-5.02	0.0	3.92	4.84	0.09	0.0	-0.02	-24.39
		-24.92	-0.02	-3.09e-05	0.0	51.1	3.92	-0.18	0.09	0.0	0.02	-24.92
86	150	-11.61	0.03	-2.13e-04	-5.02	0.0	0.19	-5.57	-0.16	0.0	0.03	-11.61
		-15.09	-0.05	-1.21e-04	0.0	51.1	0.19	-10.58	-0.16	0.0	-0.05	-15.09
86	151	-22.13	0.05	-3.78e-04	-5.02	0.0	3.28	4.06	0.17	0.0	-0.04	-22.53
		-22.53	-0.04	1.08e-04	0.0	51.1	3.28	-0.96	0.17	0.0	0.05	-22.38
86	170	-8.80	0.02	-5.91e-05	-5.02	0.0	-0.74	-7.04	-0.09	0.0	0.02	-8.80
		-11.79	-0.03	2.19e-05	0.0	51.1	-0.74	-12.05	-0.09	0.0	-0.03	-11.79
86	171	-25.16	0.02	-5.32e-04	-5.02	0.0	4.21	5.53	0.10	0.0	-0.03	-25.33
		-25.67	-0.03	-3.48e-05	0.0	51.1	4.21	0.51	0.10	0.0	0.02	-25.67
86	182	-11.66	0.03	-2.15e-04	-5.02	0.0	0.19	-5.46	-0.16	0.0	0.03	-11.66
		-15.17	-0.05	-1.20e-04	0.0	51.1	0.19	-10.48	-0.16	0.0	-0.05	-15.17
86	183	-22.06	0.05	-3.76e-04	-5.02	0.0	3.28	3.95	0.17	0.0	-0.04	-22.47
		-22.47	-0.04	1.07e-04	0.0	51.1	3.28	-1.07	0.17	0.0	0.05	-22.30
86	202	-8.75	0.02	-5.42e-05	-5.02	0.0	-0.78	-6.92	-0.09	0.0	0.02	-8.75
		-11.95	-0.03	2.67e-05	0.0	51.1	-0.78	-11.94	-0.09	0.0	-0.03	-11.95
86	203	-25.12	0.02	-5.37e-04	-5.02	0.0	4.25	5.41	0.10	0.0	-0.03	-25.38

		-25.51	-0.03	-3.95e-05	0.0	51.1	4.25	0.39	0.10	0.0	0.02	-25.51
86	214	-10.72	0.04	-2.02e-04	-5.02	0.0	-0.09	-6.26	-0.18	0.0	0.04	-10.72
		-14.54	-0.05	-1.39e-04	0.0	51.1	-0.09	-11.27	-0.18	0.0	-0.05	-14.54
86	215	-22.80	0.05	-3.89e-04	-5.02	0.0	3.56	4.75	0.19	0.0	-0.05	-23.41
		-23.41	-0.05	1.26e-04	0.0	51.1	3.56	-0.27	0.19	0.0	0.05	-22.93
86	234	-7.21	0.02	-9.18e-06	-5.02	0.0	-1.25	-8.03	-0.10	0.0	0.02	-7.21
		-10.72	-0.03	3.54e-05	0.0	51.1	-1.25	-13.05	-0.10	0.0	-0.03	-10.72
86	235	-26.51	0.03	-5.82e-04	-5.02	0.0	4.72	6.52	0.11	0.0	-0.03	-26.92
		-26.92	-0.03	-4.82e-05	0.0	51.1	4.72	1.50	0.11	0.0	0.03	-26.75
86	262	-21.12	1.45e-03	-2.91e-04	-7.07	0.0	2.08	-6.20	0.01	0.0	-3.96e-03	-21.12
		-26.09	-3.96e-03	-9.79e-06	0.0	51.1	2.08	-13.27	0.01	0.0	1.45e-03	-26.09
86	264	-22.90	1.04e-03	-3.68e-04	-7.07	0.0	2.30	-3.04	0.01	0.0	-4.99e-03	-22.90
		-26.26	-4.99e-03	-1.28e-05	0.0	51.1	2.30	-10.11	0.01	0.0	1.04e-03	-26.26
86	271	-28.60	-1.80e-04	-4.43e-04	-9.12	0.0	2.85	-5.66	8.74e-03	0.0	-4.64e-03	-28.60
		-33.82	-4.64e-03	-8.58e-06	0.0	51.1	2.85	-14.78	8.74e-03	0.0	-1.80e-04	-33.82
86	285	-15.38	-5.50e-04	-2.22e-04	-5.02	0.0	1.53	-3.62	2.77e-03	0.0	-1.97e-03	-15.38
		-18.51	-1.97e-03	-3.02e-06	0.0	51.1	1.53	-8.64	2.77e-03	0.0	-5.50e-04	-18.51
86	301	-19.28	-5.58e-04	-3.21e-04	-5.84	0.0	1.95	-1.86	5.50e-03	0.0	-3.37e-03	-19.28
		-21.73	-3.37e-03	-6.59e-06	0.0	51.1	1.95	-7.70	5.50e-03	0.0	-5.58e-04	-21.73
86	304	-15.54	1.18e-04	-2.29e-04	-5.02	0.0	1.54	-3.46	5.21e-03	0.0	-2.55e-03	-15.54
		-18.59	-2.55e-03	-4.93e-06	0.0	51.1	1.54	-8.48	5.21e-03	0.0	1.18e-04	-18.59
86	305	-17.07	-2.37e-04	-2.95e-04	-5.02	0.0	1.73	-0.75	6.25e-03	0.0	-3.43e-03	-17.07
		-18.74	-3.43e-03	-7.55e-06	0.0	51.1	1.73	-5.76	6.25e-03	0.0	-2.37e-04	-18.74
86	308	-15.51	-2.79e-04	-2.28e-04	-5.02	0.0	1.54	-3.50	3.83e-03	0.0	-2.24e-03	-15.51
		-18.57	-2.24e-03	-3.65e-06	0.0	51.1	1.54	-8.52	3.83e-03	0.0	-2.79e-04	-18.57
86	309	-15.54	-2.11e-04	-2.29e-04	-5.02	0.0	1.54	-3.47	4.10e-03	0.0	-2.30e-03	-15.54
		-18.59	-2.30e-03	-3.81e-06	0.0	51.1	1.54	-8.48	4.10e-03	0.0	-2.11e-04	-18.59
86	310	-17.07	-5.66e-04	-2.95e-04	-5.02	0.0	1.73	-0.76	5.13e-03	0.0	-3.19e-03	-17.07
		-18.73	-3.19e-03	-6.43e-06	0.0	51.1	1.73	-5.77	5.13e-03	0.0	-5.66e-04	-18.73
87	44	-19.59	5.88e-04	-1.48e-04	-11.21	0.0	5.35	-16.58	-0.01	0.0	5.88e-04	-19.59
		-32.37	-7.23e-03	-2.02e-05	0.0	57.6	5.35	-27.79	-0.01	0.0	-7.23e-03	-32.37
87	46	-13.38	8.98e-04	-8.06e-05	-8.74	0.0	3.50	-11.96	-9.53e-03	0.0	8.98e-04	-13.38
		-22.79	-4.59e-03	-1.36e-05	0.0	57.6	3.50	-20.71	-9.53e-03	0.0	-4.59e-03	-22.79
87	59	-24.61	-1.60e-04	-1.89e-04	-14.68	0.0	6.67	-20.97	-0.01	0.0	-1.60e-04	-24.61
		-40.91	-6.70e-03	-1.31e-05	0.0	57.6	6.67	-35.65	-0.01	0.0	-6.70e-03	-40.91
87	93	-8.37	-3.31e-04	-5.08e-05	-5.27	0.0	2.19	-7.46	-2.20e-03	0.0	-3.31e-04	-8.37
		-14.18	-1.60e-03	-2.54e-06	0.0	57.6	2.19	-12.73	-2.20e-03	0.0	-1.60e-03	-14.18
87	118	-7.10	0.03	-7.70e-05	-5.65	0.0	0.31	-5.91	0.08	0.0	-0.02	-7.10
		-12.21	-0.02	-1.25e-04	0.0	57.6	0.31	-11.56	0.08	0.0	0.03	-12.21
87	119	-13.78	0.02	-9.43e-05	-5.65	0.0	5.49	-11.44	-0.09	0.0	0.02	-13.78
		-21.92	-0.04	1.11e-04	0.0	57.6	5.49	-17.10	-0.09	0.0	-0.04	-21.92
87	138	-5.00	0.02	1.82e-05	-5.65	0.0	-1.15	-5.16	0.04	0.0	-9.16e-03	-5.00
		-9.74	-9.16e-03	2.43e-05	0.0	57.6	-1.15	-10.82	0.04	0.0	0.02	-9.74
87	139	-15.89	8.58e-03	-1.90e-04	-5.65	0.0	6.95	-12.19	-0.05	0.0	8.58e-03	-15.89
		-24.39	-0.02	-3.81e-05	0.0	57.6	6.95	-17.84	-0.05	0.0	-0.02	-24.39
87	150	-6.68	0.03	-7.59e-05	-5.65	0.0	-0.02	-5.57	0.09	0.0	-0.02	-6.68
		-11.61	-0.02	-1.39e-04	0.0	57.6	-0.02	-11.22	0.09	0.0	0.03	-11.61
87	151	-14.20	0.02	-9.55e-05	-5.65	0.0	5.82	-11.78	-0.10	0.0	0.02	-14.20
		-22.53	-0.04	1.26e-04	0.0	57.6	5.82	-17.43	-0.10	0.0	-0.04	-22.53
87	170	-4.29	0.02	3.19e-05	-5.65	0.0	-1.67	-4.73	0.05	0.0	-0.01	-4.29
		-8.80	-0.01	2.91e-05	0.0	57.6	-1.67	-10.39	0.05	0.0	0.02	-8.80
87	171	-16.59	9.69e-03	-2.03e-04	-5.65	0.0	7.47	-12.62	-0.06	0.0	9.69e-03	-16.59
		-25.33	-0.03	-4.29e-05	0.0	57.6	7.47	-18.27	-0.06	0.0	-0.03	-25.33
87	182	-6.69	0.03	-7.57e-05	-5.65	0.0	-0.02	-5.64	0.09	0.0	-0.02	-6.69
		-11.66	-0.02	-1.38e-04	0.0	57.6	-0.02	-11.29	0.09	0.0	0.03	-11.66
87	183	-14.19	0.02	-9.56e-05	-5.65	0.0	5.82	-11.71	-0.10	0.0	0.02	-14.19
		-22.47	-0.04	1.24e-04	0.0	57.6	5.82	-17.36	-0.10	0.0	-0.04	-22.47
87	202	-4.21	0.02	3.51e-05	-5.65	0.0	-1.76	-4.81	0.05	0.0	-0.01	-4.21
		-8.75	-0.01	3.41e-05	0.0	57.6	-1.76	-10.47	0.05	0.0	0.02	-8.75
87	203	-16.68	9.62e-03	-2.06e-04	-5.65	0.0	7.56	-12.53	-0.06	0.0	9.62e-03	-16.68
		-25.38	-0.03	-4.79e-05	0.0	57.6	7.56	-18.19	-0.06	0.0	-0.03	-25.38
87	214	-6.03	0.04	-7.42e-05	-5.65	0.0	-0.53	-5.13	0.11	0.0	-0.02	-6.03
		-10.72	-0.02	-1.60e-04	0.0	57.6	-0.53	-10.78	0.11	0.0	0.04	-10.72
87	215	-14.85	0.02	-9.72e-05	-5.65	0.0	6.33	-12.22	-0.12	0.0	0.02	-14.85
		-23.41	-0.05	1.46e-04	0.0	57.6	6.33	-17.88	-0.12	0.0	-0.05	-23.41
87	234	-3.05	0.02	5.79e-05	-5.65	0.0	-2.63	-4.12	0.06	0.0	-0.01	-3.05
		-7.21	-0.01	4.44e-05	0.0	57.6	-2.63	-9.77	0.06	0.0	0.02	-7.21
87	235	-17.84	0.01	-2.29e-04	-5.65	0.0	8.43	-13.23	-0.07	0.0	0.01	-17.84
		-26.92	-0.03	-5.81e-05	0.0	57.6	8.43	-18.88	-0.07	0.0	-0.03	-26.92
87	262	-12.44	5.49e-04	-7.68e-05	-7.97	0.0	3.28	-11.08	-7.83e-03	0.0	5.49e-04	-12.44
		-21.12	-3.96e-03	-1.05e-05	0.0	57.6	3.28	-19.05	-7.83e-03	0.0	-3.96e-03	-21.12
87	264	-13.85	3.75e-04	-1.05e-04	-7.97	0.0	3.78	-11.73	-9.32e-03	0.0	3.75e-04	-13.85
		-22.90	-4.99e-03	-1.39e-05	0.0	57.6	3.78	-19.70	-9.32e-03	0.0	-4.99e-03	-22.90
87	271	-17.19	-1.23e-04	-1.32e-04	-10.29	0.0	4.66	-14.66	-7.85e-03	0.0	-1.23e-04	-17.19
		-28.60	-4.64e-03	-9.11e-06	0.0	57.6	4.66	-24.95	-7.85e-03	0.0	-4.64e-03	-28.60

87	285	-9.10	-2.70e-04	-5.69e-05	-5.65	0.0	2.40	-8.08	-2.95e-03	0.0	-2.70e-04	-9.10
		-15.38	-1.97e-03	-3.17e-06	0.0	57.6	2.40	-13.74	-2.95e-03	0.0	-1.97e-03	-15.38
87	301	-11.72	-2.83e-04	-9.29e-05	-6.58	0.0	3.22	-9.84	-5.36e-03	0.0	-2.83e-04	-11.72
		-19.28	-3.37e-03	-7.02e-06	0.0	57.6	3.22	-16.42	-5.36e-03	0.0	-3.37e-03	-19.28
87	304	-9.24	-6.30e-06	-6.12e-05	-5.65	0.0	2.47	-8.12	-4.41e-03	0.0	-6.30e-06	-9.24
		-15.54	-2.55e-03	-5.25e-06	0.0	57.6	2.47	-13.78	-4.41e-03	0.0	-2.55e-03	-15.54
87	305	-10.44	-1.56e-04	-8.50e-05	-5.65	0.0	2.90	-8.68	-5.68e-03	0.0	-1.56e-04	-10.44
		-17.07	-3.43e-03	-8.10e-06	0.0	57.6	2.90	-14.34	-5.68e-03	0.0	-3.43e-03	-17.07
87	308	-9.21	-1.67e-04	-6.09e-05	-5.65	0.0	2.46	-8.11	-3.59e-03	0.0	-1.67e-04	-9.21
		-15.51	-2.24e-03	-3.85e-06	0.0	57.6	2.46	-13.76	-3.59e-03	0.0	-2.24e-03	-15.51
87	309	-9.23	-1.41e-04	-6.18e-05	-5.65	0.0	2.47	-8.12	-3.76e-03	0.0	-1.41e-04	-9.23
		-15.54	-2.30e-03	-4.01e-06	0.0	57.6	2.47	-13.77	-3.76e-03	0.0	-2.30e-03	-15.54
87	310	-10.44	-2.90e-04	-8.57e-05	-5.65	0.0	2.90	-8.67	-5.03e-03	0.0	-2.90e-04	-10.44
		-17.07	-3.19e-03	-6.87e-06	0.0	57.6	2.90	-14.33	-5.03e-03	0.0	-3.19e-03	-17.07
88	17	-8.25	2.06e-03	-3.50e-05	-7.74	0.0	3.28	-7.46	-5.23e-03	0.0	2.06e-03	-8.25
		-14.77	-9.51e-04	-5.69e-06	0.0	57.6	3.28	-15.19	-5.23e-03	0.0	-9.51e-04	-14.77
88	44	-10.82	3.74e-03	-3.40e-05	-11.21	0.0	4.22	-9.62	-5.46e-03	0.0	3.74e-03	-10.82
		-19.59	5.88e-04	-2.03e-05	0.0	57.6	4.22	-20.83	-5.46e-03	0.0	5.88e-04	-19.59
88	59	-13.64	3.37e-03	-5.13e-05	-14.68	0.0	5.23	-11.70	-6.13e-03	0.0	3.37e-03	-13.64
		-24.61	-1.60e-04	-1.31e-05	0.0	57.6	5.23	-26.39	-6.13e-03	0.0	-1.60e-04	-24.61
88	93	-4.53	9.31e-04	-7.31e-06	-5.27	0.0	1.77	-4.02	-2.19e-03	0.0	9.31e-04	-4.53
		-8.37	-3.31e-04	-2.50e-06	0.0	57.6	1.77	-9.29	-2.19e-03	0.0	-3.31e-04	-8.37
88	118	-5.67	-0.01	-3.95e-05	-5.65	0.0	0.08	-2.40	-9.27e-03	0.0	-0.01	-5.68
		-7.10	-0.02	-1.22e-04	0.0	57.6	0.08	-8.06	-9.27e-03	0.0	-0.02	-7.10
88	119	-5.93	0.02	-4.09e-06	-5.65	0.0	4.51	-8.06	2.41e-03	0.0	0.01	-5.93
		-13.78	0.01	1.08e-04	0.0	57.6	4.51	-13.71	2.41e-03	0.0	0.02	-13.78
88	138	-2.76	-4.76e-03	2.82e-05	-5.65	0.0	-1.38	-1.84	-7.81e-03	0.0	-4.76e-03	-2.76
		-5.00	-9.16e-03	2.97e-05	0.0	57.6	-1.38	-7.49	-7.81e-03	0.0	-9.16e-03	-5.00
88	139	-8.84	8.58e-03	-7.18e-05	-5.65	0.0	5.97	-8.62	9.51e-04	0.0	8.13e-03	-8.84
		-15.89	8.13e-03	-4.33e-05	0.0	57.6	5.97	-14.28	9.51e-04	0.0	8.58e-03	-15.89
88	140	-2.25	2.69e-03	4.98e-05	-5.65	0.0	-0.64	-3.03	-4.83e-03	0.0	2.69e-03	-2.25
		-6.12	-2.00e-05	1.13e-04	0.0	57.6	-0.64	-8.68	-4.83e-03	0.0	-2.00e-05	-6.12
88	150	-5.60	-0.01	-4.16e-05	-5.65	0.0	-0.21	-2.05	-9.98e-03	0.0	-0.01	-5.66
		-6.68	-0.02	-1.36e-04	0.0	57.6	-0.21	-7.71	-9.98e-03	0.0	-0.02	-6.68
88	151	-5.95	0.02	2.80e-06	-5.65	0.0	4.79	-8.41	3.13e-03	0.0	0.02	-5.95
		-14.20	0.02	1.22e-04	0.0	57.6	4.79	-14.06	3.13e-03	0.0	0.02	-14.20
88	170	-2.37	-5.56e-03	3.49e-05	-5.65	0.0	-1.86	-1.40	-8.37e-03	0.0	-5.56e-03	-2.37
		-4.29	-0.01	3.51e-05	0.0	57.6	-1.86	-7.06	-8.37e-03	0.0	-0.01	-4.29
88	171	-9.24	9.69e-03	-7.84e-05	-5.65	0.0	6.45	-9.06	1.51e-03	0.0	8.93e-03	-9.24
		-16.59	8.93e-03	-4.88e-05	0.0	57.6	6.45	-14.71	1.51e-03	0.0	9.69e-03	-16.59
88	172	-1.78	2.80e-03	5.91e-05	-5.65	0.0	-1.03	-2.74	-5.02e-03	0.0	2.80e-03	-1.78
		-5.56	-9.66e-06	1.29e-04	0.0	57.6	-1.03	-8.40	-5.02e-03	0.0	-9.66e-06	-5.56
88	182	-5.58	-0.01	-4.10e-05	-5.65	0.0	-0.21	-2.10	-9.88e-03	0.0	-0.01	-5.63
		-6.69	-0.02	-1.35e-04	0.0	57.6	-0.21	-7.75	-9.88e-03	0.0	-0.02	-6.69
88	183	-5.98	0.02	-2.55e-06	-5.65	0.0	4.80	-8.36	3.03e-03	0.0	0.02	-5.98
		-14.19	0.02	1.21e-04	0.0	57.6	4.80	-14.02	3.03e-03	0.0	0.02	-14.19
88	202	-2.28	-5.47e-03	3.68e-05	-5.65	0.0	-1.94	-1.39	-8.39e-03	0.0	-5.47e-03	-2.28
		-4.21	-0.01	3.98e-05	0.0	57.6	-1.94	-7.05	-8.39e-03	0.0	-0.01	-4.21
88	203	-9.32	9.62e-03	-8.04e-05	-5.65	0.0	6.53	-9.06	1.53e-03	0.0	8.84e-03	-9.32
		-16.68	8.84e-03	-5.35e-05	0.0	57.6	6.53	-14.72	1.53e-03	0.0	9.62e-03	-16.68
88	204	-1.70	2.73e-03	6.11e-05	-5.65	0.0	-1.13	-2.70	-5.12e-03	0.0	2.73e-03	-1.70
		-5.45	-1.36e-04	1.33e-04	0.0	57.6	-1.13	-8.36	-5.12e-03	0.0	-1.36e-04	-5.45
88	214	-5.37	-0.02	-4.42e-05	-5.65	0.0	-0.66	-1.56	-0.01	0.0	-0.02	-5.58
		-6.03	-0.02	-1.56e-04	0.0	57.6	-0.66	-7.22	-0.01	0.0	-0.02	-6.03
88	215	-6.02	0.02	4.75e-06	-5.65	0.0	5.24	-8.90	4.10e-03	0.0	0.02	-6.02
		-14.85	0.02	1.42e-04	0.0	57.6	5.24	-14.55	4.10e-03	0.0	0.02	-14.85
88	234	-1.61	-6.68e-03	4.82e-05	-5.65	0.0	-2.74	-0.70	-9.28e-03	0.0	-6.68e-03	-1.62
		-3.05	-0.01	5.10e-05	0.0	57.6	-2.74	-6.35	-9.28e-03	0.0	-0.01	-3.05
88	235	-9.99	0.01	-9.18e-05	-5.65	0.0	7.32	-9.76	2.42e-03	0.0	0.01	-9.99
		-17.84	0.01	-6.46e-05	0.0	57.6	7.32	-15.42	2.42e-03	0.0	0.01	-17.84
88	236	-0.93	2.88e-03	7.68e-05	-5.65	0.0	-1.78	-2.22	-5.47e-03	0.0	2.88e-03	-0.93
		-4.49	-1.77e-04	1.61e-04	0.0	57.6	-1.78	-7.87	-5.47e-03	0.0	-1.77e-04	-4.49
88	250	-5.94	1.46e-03	-2.50e-05	-5.65	0.0	2.36	-5.33	-3.67e-03	0.0	1.46e-03	-5.94
		-10.64	-6.51e-04	-4.19e-06	0.0	57.6	2.36	-10.99	-3.67e-03	0.0	-6.51e-04	-10.64
88	264	-7.65	2.58e-03	-2.43e-05	-7.97	0.0	2.99	-6.78	-3.82e-03	0.0	2.58e-03	-7.65
		-13.85	3.75e-04	-1.39e-05	0.0	57.6	2.99	-14.75	-3.82e-03	0.0	3.75e-04	-13.85
88	271	-9.53	2.34e-03	-3.58e-05	-10.29	0.0	3.66	-8.16	-4.27e-03	0.0	2.34e-03	-9.53
		-17.19	-1.23e-04	-9.10e-06	0.0	57.6	3.66	-18.45	-4.27e-03	0.0	-1.23e-04	-17.19
88	285	-4.94	1.10e-03	-9.00e-06	-5.65	0.0	1.92	-4.40	-2.39e-03	0.0	1.10e-03	-4.94
		-9.10	-2.70e-04	-3.14e-06	0.0	57.6	1.92	-10.05	-2.39e-03	0.0	-2.70e-04	-9.10
88	301	-6.50	1.77e-03	-2.35e-05	-6.58	0.0	2.55	-5.78	-3.57e-03	0.0	1.77e-03	-6.50
		-11.72	-2.83e-04	-6.99e-06	0.0	57.6	2.55	-12.36	-3.57e-03	0.0	-2.83e-04	-11.72
88	303	-5.80	1.62e-03	-2.21e-05	-5.65	0.0	2.29	-5.22	-3.44e-03	0.0	1.62e-03	-5.80
		-10.44	-3.57e-04	-6.21e-06	0.0	57.6	2.29	-10.88	-3.44e-03	0.0	-3.57e-04	-10.44
88	305	-5.80	1.80e-03	-2.11e-05	-5.65	0.0	2.29	-5.24	-3.40e-03	0.0	1.80e-03	-5.80

		-10.44	-1.56e-04	-8.08e-06	0.0	57.6	2.29	-10.89	-3.40e-03	0.0	-1.56e-04	-10.44
88	308	-5.02	1.20e-03	-1.17e-05	-5.65	0.0	1.93	-4.45	-2.37e-03	0.0	1.20e-03	-5.02
		-9.21	-1.67e-04	-3.83e-06	0.0	57.6	1.93	-10.10	-2.37e-03	0.0	-1.67e-04	-9.21
88	309	-5.04	1.22e-03	-1.24e-05	-5.65	0.0	1.94	-4.46	-2.37e-03	0.0	1.22e-03	-5.04
		-9.23	-1.41e-04	-4.00e-06	0.0	57.6	1.94	-10.11	-2.37e-03	0.0	-1.41e-04	-9.23
88	310	-5.80	1.68e-03	-2.18e-05	-5.65	0.0	2.29	-5.23	-3.43e-03	0.0	1.68e-03	-5.80
		-10.44	-2.90e-04	-6.83e-06	0.0	57.6	2.29	-10.88	-3.43e-03	0.0	-2.90e-04	-10.44
89	11	-15.99	3.24e-03	5.70e-05	-6.08	0.0	-1.49	22.18	-8.64e-03	0.0	3.24e-03	-26.59
		-26.59	-1.54e-03	-1.04e-05	0.0	55.4	-1.49	16.10	-8.64e-03	0.0	-1.54e-03	-15.99
89	19	-5.88	-8.79e-04	1.77e-05	-2.26	0.0	-0.48	8.34	3.87e-03	0.0	-3.02e-03	-9.87
		-9.87	-3.02e-03	0.0	0.0	55.4	-0.48	6.08	3.87e-03	0.0	-8.79e-04	-5.88
89	67	-9.03	0.03	3.06e-05	-3.29	0.0	-0.71	11.33	-0.05	0.0	0.03	-14.39
		-14.39	-1.79e-03	-1.19e-05	0.0	55.4	-0.71	8.04	-0.05	0.0	-1.79e-03	-9.03
89	69	-6.01	0.02	1.98e-05	-2.26	0.0	0.14	8.11	-0.04	0.0	0.02	-9.87
		-9.87	-6.78e-04	-4.92e-06	0.0	55.4	0.14	5.85	-0.04	0.0	-6.78e-04	-6.01
89	76	-12.60	1.73e-03	4.96e-05	-4.69	0.0	-1.83	16.59	-5.91e-03	0.0	1.73e-03	-20.49
		-20.49	-1.54e-03	-1.40e-05	0.0	55.4	-1.83	11.91	-5.91e-03	0.0	-1.54e-03	-12.60
89	94	-9.44	7.48e-05	3.98e-05	-3.65	0.0	-0.83	13.62	0.02	0.0	-9.22e-03	-15.97
		-15.97	-9.22e-03	-4.68e-06	0.0	55.4	-0.83	9.96	0.02	0.0	7.48e-05	-9.44
89	122	-4.32	-0.03	-8.93e-05	-2.41	0.0	-10.75	11.62	0.21	0.0	-0.15	-9.60
		-9.60	-0.15	4.43e-05	0.0	55.4	-10.75	9.21	0.21	0.0	-0.03	-4.32
89	127	-8.72	0.17	1.41e-04	-2.41	0.0	8.64	5.31	-0.26	0.0	0.17	-11.52
		-11.52	0.03	-2.55e-05	0.0	55.4	8.64	2.90	-0.26	0.0	0.03	-8.72
89	130	-5.41	-0.03	4.69e-05	-2.41	0.0	-16.58	10.36	0.36	0.0	-0.23	-9.94
		-9.94	-0.23	1.90e-04	0.0	55.4	-16.58	7.95	0.36	0.0	-0.03	-5.41
89	131	-7.63	0.24	9.91e-06	-2.41	0.0	14.89	6.60	-0.38	0.0	0.24	-11.16
		-11.16	0.03	-2.04e-04	0.0	55.4	14.89	4.19	-0.38	0.0	0.03	-7.63
89	138	-5.42	-0.03	4.92e-05	-2.41	0.0	-15.18	10.48	0.46	0.0	-0.28	-9.87
		-9.87	-0.28	7.74e-05	0.0	55.4	-15.18	8.06	0.46	0.0	-0.03	-5.42
89	139	-7.62	0.29	8.66e-06	-2.41	0.0	13.49	6.49	-0.48	0.0	0.29	-11.23
		-11.23	0.03	-9.22e-05	0.0	55.4	13.49	4.08	-0.48	0.0	0.03	-7.62
89	154	-4.05	-0.03	-1.03e-04	-2.41	0.0	-12.01	12.01	0.24	0.0	-0.17	-9.50
		-9.50	-0.17	5.13e-05	0.0	55.4	-12.01	9.60	0.24	0.0	-0.03	-4.05
89	159	-8.99	0.19	1.55e-04	-2.41	0.0	9.84	4.92	-0.29	0.0	0.19	-11.62
		-11.62	0.03	-2.79e-05	0.0	55.4	9.84	2.50	-0.29	0.0	0.03	-8.99
89	162	-5.27	-0.04	5.00e-05	-2.41	0.0	-18.62	10.60	0.41	0.0	-0.27	-9.87
		-9.87	-0.27	2.15e-04	0.0	55.4	-18.62	8.19	0.41	0.0	-0.04	-5.27
89	163	-7.77	0.27	8.34e-06	-2.41	0.0	16.93	6.37	-0.43	0.0	0.27	-11.23
		-11.23	0.04	-2.30e-04	0.0	55.4	16.93	3.95	-0.43	0.0	0.04	-7.77
89	170	-5.29	-0.03	5.26e-05	-2.41	0.0	-17.03	10.73	0.52	0.0	-0.32	-9.79
		-9.79	-0.32	8.81e-05	0.0	55.4	-17.03	8.31	0.52	0.0	-0.03	-5.29
89	171	-7.75	0.33	7.09e-06	-2.41	0.0	15.34	6.24	-0.54	0.0	0.33	-11.30
		-11.30	0.03	-1.03e-04	0.0	55.4	15.34	3.83	-0.54	0.0	0.03	-7.75
89	186	-4.11	-0.03	-1.00e-04	-2.41	0.0	-12.03	11.96	0.24	0.0	-0.17	-9.61
		-9.61	-0.17	5.41e-05	0.0	55.4	-12.03	9.54	0.24	0.0	-0.03	-4.11
89	191	-8.92	0.19	1.52e-04	-2.41	0.0	9.80	4.97	-0.29	0.0	0.19	-11.51
		-11.51	0.03	-2.89e-05	0.0	55.4	9.80	2.56	-0.29	0.0	0.03	-8.92
89	194	-5.31	-0.04	5.31e-05	-2.41	0.0	-19.02	10.60	0.42	0.0	-0.27	-9.92
		-9.92	-0.27	2.22e-04	0.0	55.4	-19.02	8.18	0.42	0.0	-0.04	-5.31
89	195	-7.73	0.28	6.80e-06	-2.41	0.0	17.33	6.37	-0.44	0.0	0.28	-11.18
		-11.18	0.04	-2.37e-04	0.0	55.4	17.33	3.96	-0.44	0.0	0.04	-7.73
89	202	-5.33	-0.03	5.53e-05	-2.41	0.0	-17.23	10.72	0.53	0.0	-0.32	-9.85
		-9.85	-0.32	8.86e-05	0.0	55.4	-17.23	8.30	0.53	0.0	-0.03	-5.33
89	203	-7.71	0.33	5.88e-06	-2.41	0.0	15.54	6.25	-0.55	0.0	0.33	-11.24
		-11.24	0.03	-1.03e-04	0.0	55.4	15.54	3.84	-0.55	0.0	0.03	-7.71
89	218	-3.73	-0.04	-1.20e-04	-2.41	0.0	-14.01	12.53	0.29	0.0	-0.20	-9.47
		-9.47	-0.20	6.72e-05	0.0	55.4	-14.01	10.12	0.29	0.0	-0.04	-3.73
89	223	-9.30	0.23	1.71e-04	-2.41	0.0	11.62	4.40	-0.34	0.0	0.23	-11.65
		-11.65	0.04	-3.32e-05	0.0	55.4	11.62	1.98	-0.34	0.0	0.04	-9.30
89	226	-5.11	-0.05	6.03e-05	-2.41	0.0	-22.57	10.98	0.50	0.0	-0.32	-9.81
		-9.81	-0.32	2.68e-04	0.0	55.4	-22.57	8.56	0.50	0.0	-0.05	-5.11
89	227	-7.93	0.33	-8.24e-06	-2.41	0.0	20.88	5.99	-0.52	0.0	0.33	-11.29
		-11.29	0.04	-2.83e-04	0.0	55.4	20.88	3.58	-0.52	0.0	0.04	-7.93
89	234	-5.13	-0.04	6.19e-05	-2.41	0.0	-20.23	11.11	0.63	0.0	-0.39	-9.74
		-9.74	-0.39	1.05e-04	0.0	55.4	-20.23	8.69	0.63	0.0	-0.04	-5.13
89	235	-7.91	0.39	-9.87e-06	-2.41	0.0	18.54	5.86	-0.65	0.0	0.39	-11.36
		-11.36	0.04	-1.20e-04	0.0	55.4	18.54	3.45	-0.65	0.0	0.04	-7.91
89	248	-6.31	-6.99e-04	2.15e-05	-2.41	0.0	-0.51	8.86	1.26e-03	0.0	-1.39e-03	-10.55
		-10.55	-1.39e-03	-1.89e-06	0.0	55.4	-0.51	6.44	1.26e-03	0.0	-6.99e-04	-6.31
89	259	-11.30	7.99e-03	4.87e-05	-4.28	0.0	-0.99	15.46	-0.01	0.0	7.99e-03	-18.68
		-18.68	-2.78e-04	-1.21e-05	0.0	55.4	-0.99	11.18	-0.01	0.0	-2.78e-04	-11.30
89	273	-6.40	0.02	2.29e-05	-2.41	0.0	-0.10	8.71	-0.03	0.0	0.02	-10.55
		-10.55	-5.65e-04	-4.96e-06	0.0	55.4	-0.10	6.29	-0.03	0.0	-5.65e-04	-6.40
89	275	-6.59	0.02	2.28e-05	-2.41	0.0	-0.51	8.36	-0.04	0.0	0.02	-10.55
		-10.55	-1.21e-03	-8.35e-06	0.0	55.4	-0.51	5.94	-0.04	0.0	-1.21e-03	-6.59

89	280	-8.97	1.34e-03	3.55e-05	-3.34	0.0	-1.25	11.86	-4.31e-03	0.0	1.34e-03	-14.61
		-14.61	-1.04e-03	-9.73e-06	0.0	55.4	-1.25	8.52	-4.31e-03	0.0	-1.04e-03	-8.97
89	286	-8.68	-6.28e-05	3.62e-05	-3.34	0.0	-0.75	12.38	9.86e-03	0.0	-5.53e-03	-14.61
		-14.61	-5.53e-03	-4.80e-06	0.0	55.4	-0.75	9.03	9.86e-03	0.0	-6.28e-05	-8.68
89	298	-6.55	4.56e-03	2.60e-05	-2.41	0.0	-0.90	8.43	-9.89e-03	0.0	4.56e-03	-10.55
		-10.55	-9.19e-04	-7.91e-06	0.0	55.4	-0.90	6.02	-9.89e-03	0.0	-9.19e-04	-6.55
89	301	-7.46	4.09e-03	2.95e-05	-2.79	0.0	-0.87	9.91	-8.83e-03	0.0	4.09e-03	-12.18
		-12.18	-8.01e-04	-7.63e-06	0.0	55.4	-0.87	7.12	-8.83e-03	0.0	-8.01e-04	-7.46
89	302	-6.34	1.11e-03	2.51e-05	-2.41	0.0	-0.50	8.80	-2.66e-03	0.0	1.11e-03	-10.55
		-10.55	-3.59e-04	-3.99e-06	0.0	55.4	-0.50	6.38	-2.66e-03	0.0	-3.59e-04	-6.34
89	306	-6.36	4.58e-03	2.54e-05	-2.41	0.0	-0.41	8.77	-8.87e-03	0.0	4.58e-03	-10.55
		-10.55	-3.32e-04	-4.61e-06	0.0	55.4	-0.41	6.35	-8.87e-03	0.0	-3.32e-04	-6.36
89	307	-6.53	7.00e-03	2.54e-05	-2.41	0.0	-0.77	8.47	-0.01	0.0	7.00e-03	-10.55
		-10.55	-8.85e-04	-7.52e-06	0.0	55.4	-0.77	6.05	-0.01	0.0	-8.85e-04	-6.53
89	309	-6.35	1.74e-03	2.61e-05	-2.41	0.0	-0.49	8.78	-3.63e-03	0.0	1.74e-03	-10.55
		-10.55	-2.74e-04	-4.52e-06	0.0	55.4	-0.49	6.37	-3.63e-03	0.0	-2.74e-04	-6.35
89	310	-6.52	4.16e-03	2.60e-05	-2.41	0.0	-0.85	8.48	-9.00e-03	0.0	4.16e-03	-10.55
		-10.55	-8.27e-04	-7.43e-06	0.0	55.4	-0.85	6.07	-9.00e-03	0.0	-8.27e-04	-6.52
90	19	-3.23	-8.79e-04	-1.00e-05	-2.26	0.0	-0.10	5.91	-5.48e-04	0.0	-8.79e-04	-5.88
		-5.88	-1.18e-03	0.0	0.0	55.4	-0.10	3.66	-5.48e-04	0.0	-1.18e-03	-3.23
90	35	-9.04	-3.94e-04	-1.10e-05	-6.08	0.0	-0.73	15.79	-2.51e-04	0.0	-3.94e-04	-16.10
		-16.10	-5.33e-04	-1.75e-05	0.0	55.4	-0.73	9.71	-2.51e-04	0.0	-5.33e-04	-9.04
90	46	-5.41	1.51e-03	6.73e-06	-3.65	0.0	-0.32	9.37	6.91e-04	0.0	1.13e-03	-9.59
		-9.59	1.13e-03	-1.28e-05	0.0	55.4	-0.32	5.72	6.91e-04	0.0	1.51e-03	-5.41
90	51	-5.20	-2.03e-03	-2.47e-05	-3.29	0.0	-0.57	8.73	-2.06e-03	0.0	-2.03e-03	-9.12
		-9.12	-3.18e-03	-1.41e-05	0.0	55.4	-0.57	5.44	-2.06e-03	0.0	-3.18e-03	-5.20
90	69	-3.30	-6.78e-04	-1.25e-05	-2.26	0.0	0.16	6.01	-1.53e-03	0.0	-6.78e-04	-6.01
		-6.01	-1.53e-03	-5.04e-06	0.0	55.4	0.16	3.76	-1.53e-03	0.0	-1.53e-03	-3.30
90	76	-7.13	-1.54e-03	-1.83e-05	-4.69	0.0	-0.88	12.21	-7.05e-04	0.0	-1.54e-03	-12.60
		-12.60	-1.93e-03	-1.41e-05	0.0	55.4	-0.88	7.52	-7.05e-04	0.0	-1.93e-03	-7.13
90	114	-1.86	-0.04	-6.29e-05	-2.41	0.0	-8.23	6.36	-0.02	0.0	-0.04	-4.36
		-4.36	-0.05	6.04e-05	0.0	55.4	-8.23	3.95	-0.02	0.0	-0.05	-1.86
90	115	-5.54	0.05	4.29e-05	-2.41	0.0	7.45	6.24	0.02	0.0	0.04	-8.68
		-8.68	0.04	-7.55e-05	0.0	55.4	7.45	3.83	0.02	0.0	0.05	-5.54
90	123	-5.70	0.04	5.35e-05	-2.41	0.0	4.94	6.22	0.02	0.0	0.03	-8.72
		-8.72	0.03	-5.97e-05	0.0	55.4	4.94	3.80	0.02	0.0	0.04	-5.70
90	125	-1.12	-0.02	-1.29e-04	-2.41	0.0	-1.20	7.61	-9.80e-03	0.0	-0.02	-4.62
		-4.62	-0.02	-3.56e-05	0.0	55.4	-1.20	5.20	-9.80e-03	0.0	-0.02	-1.12
90	130	-4.00	-0.03	5.42e-05	-2.41	0.0	-10.08	4.54	-0.02	0.0	-0.03	-5.41
		-5.41	-0.05	1.85e-04	0.0	55.4	-10.08	2.13	-0.02	0.0	-0.05	-4.00
90	131	-3.39	0.04	-7.42e-05	-2.41	0.0	9.30	8.06	0.02	0.0	0.03	-7.63
		-7.63	0.03	-2.01e-04	0.0	55.4	9.30	5.65	0.02	0.0	0.04	-3.39
90	146	-1.63	-0.04	-6.94e-05	-2.41	0.0	-9.21	6.37	-0.03	0.0	-0.04	-4.10
		-4.10	-0.06	6.78e-05	0.0	55.4	-9.21	3.95	-0.03	0.0	-0.06	-1.63
90	147	-5.76	0.06	4.93e-05	-2.41	0.0	8.43	6.24	0.02	0.0	0.04	-8.94
		-8.94	0.04	-8.29e-05	0.0	55.4	8.43	3.82	0.02	0.0	0.06	-5.76
90	155	-5.95	0.04	6.12e-05	-2.41	0.0	5.62	6.22	0.02	0.0	0.03	-8.99
		-8.99	0.03	-6.67e-05	0.0	55.4	5.62	3.80	0.02	0.0	0.04	-5.95
90	157	-0.80	-0.02	-1.43e-04	-2.41	0.0	-1.29	7.78	-0.01	0.0	-0.02	-4.38
		-4.38	-0.03	-3.94e-05	0.0	55.4	-1.29	5.36	-0.01	0.0	-0.03	-0.80
90	162	-4.04	-0.04	6.29e-05	-2.41	0.0	-11.35	4.30	-0.02	0.0	-0.04	-5.27
		-5.27	-0.05	2.11e-04	0.0	55.4	-11.35	1.89	-0.02	0.0	-0.05	-4.04
90	163	-3.35	0.05	-8.30e-05	-2.41	0.0	10.57	8.30	0.02	0.0	0.04	-7.77
		-7.77	0.04	-2.26e-04	0.0	55.4	10.57	5.88	0.02	0.0	0.05	-3.35
90	178	-1.68	-0.04	-6.79e-05	-2.41	0.0	-9.15	6.34	-0.03	0.0	-0.04	-4.16
		-4.16	-0.06	6.13e-05	0.0	55.4	-9.15	3.93	-0.03	0.0	-0.06	-1.68
90	179	-5.72	0.06	4.78e-05	-2.41	0.0	8.37	6.26	0.02	0.0	0.04	-8.88
		-8.88	0.04	-7.64e-05	0.0	55.4	8.37	3.85	0.02	0.0	0.06	-5.72
90	187	-5.89	0.04	5.84e-05	-2.41	0.0	5.65	6.29	0.02	0.0	0.03	-8.92
		-8.92	0.03	-6.94e-05	0.0	55.4	5.65	3.87	0.02	0.0	0.04	-5.89
90	189	-0.84	-0.02	-1.43e-04	-2.41	0.0	-1.17	7.75	-0.01	0.0	-0.02	-4.44
		-4.44	-0.03	-4.04e-05	0.0	55.4	-1.17	5.34	-0.01	0.0	-0.03	-0.84
90	194	-4.08	-0.04	6.69e-05	-2.41	0.0	-11.62	4.22	-0.02	0.0	-0.04	-5.31
		-5.31	-0.05	2.17e-04	0.0	55.4	-11.62	1.81	-0.02	0.0	-0.05	-4.08
90	195	-3.31	0.05	-8.70e-05	-2.41	0.0	10.84	8.38	0.02	0.0	0.04	-7.73
		-7.73	0.04	-2.32e-04	0.0	55.4	10.84	5.97	0.02	0.0	0.05	-3.31
90	210	-1.35	-0.05	-7.70e-05	-2.41	0.0	-10.69	6.34	-0.03	0.0	-0.05	-3.77
		-3.77	-0.07	6.95e-05	0.0	55.4	-10.69	3.92	-0.03	0.0	-0.07	-1.35
90	211	-6.05	0.07	5.70e-05	-2.41	0.0	9.91	6.26	0.03	0.0	0.05	-9.27
		-9.27	0.05	-8.46e-05	0.0	55.4	9.91	3.85	0.03	0.0	0.07	-6.05
90	219	-6.24	0.05	6.82e-05	-2.41	0.0	6.75	6.32	0.02	0.0	0.04	-9.31
		-9.31	0.04	-8.24e-05	0.0	55.4	6.75	3.90	0.02	0.0	0.05	-6.24
90	221	-0.37	-0.02	-1.65e-04	-2.41	0.0	-1.23	8.01	-0.01	0.0	-0.02	-4.11
		-4.11	-0.03	-4.67e-05	0.0	55.4	-1.23	5.59	-0.01	0.0	-0.03	-0.37
90	226	-4.18	-0.05	8.36e-05	-2.41	0.0	-13.83	3.79	-0.03	0.0	-0.05	-5.11

		-5.11	-0.06	2.62e-04	0.0	55.4	-13.83	1.37	-0.03	0.0	-0.06	-4.18
90	227	-3.21	0.06	-1.04e-04	-2.41	0.0	13.05	8.81	0.03	0.0	0.04	-7.93
		-7.93	0.04	-2.77e-04	0.0	55.4	13.05	6.40	0.03	0.0	0.06	-3.21
90	248	-3.49	-6.99e-04	-8.75e-06	-2.41	0.0	-0.15	6.30	-4.67e-04	0.0	-6.99e-04	-6.31
		-6.31	-9.58e-04	-1.96e-06	0.0	55.4	-0.15	3.89	-4.67e-04	0.0	-9.58e-04	-3.49
90	259	-6.34	-2.78e-04	-7.61e-06	-4.28	0.0	-0.50	11.09	-1.70e-04	0.0	-2.78e-04	-11.30
		-11.30	-3.72e-04	-1.21e-05	0.0	55.4	-0.50	6.82	-1.70e-04	0.0	-3.72e-04	-6.34
90	262	-4.95	8.40e-04	3.95e-06	-3.34	0.0	-0.29	8.61	3.59e-04	0.0	6.41e-04	-8.79
		-8.79	6.41e-04	-1.02e-05	0.0	55.4	-0.29	5.26	3.59e-04	0.0	8.40e-04	-4.95
90	267	-3.79	-1.37e-03	-1.67e-05	-2.41	0.0	-0.39	6.39	-1.38e-03	0.0	-1.37e-03	-6.66
		-6.66	-2.13e-03	-9.81e-06	0.0	55.4	-0.39	3.97	-1.38e-03	0.0	-2.13e-03	-3.79
90	273	-3.54	-5.65e-04	-1.04e-05	-2.41	0.0	0.03	6.37	-1.12e-03	0.0	-5.65e-04	-6.40
		-6.40	-1.19e-03	-5.05e-06	0.0	55.4	0.03	3.96	-1.12e-03	0.0	-1.19e-03	-3.54
90	280	-5.07	-1.04e-03	-1.24e-05	-3.34	0.0	-0.60	8.71	-4.73e-04	0.0	-1.04e-03	-8.97
		-8.97	-1.30e-03	-9.86e-06	0.0	55.4	-0.60	5.36	-4.73e-04	0.0	-1.30e-03	-5.07
90	298	-3.72	-9.19e-04	-1.09e-05	-2.41	0.0	-0.42	6.31	-6.55e-04	0.0	-9.19e-04	-6.55
		-6.55	-1.28e-03	-8.03e-06	0.0	55.4	-0.42	3.89	-6.55e-04	0.0	-1.28e-03	-3.72
90	301	-4.21	-8.01e-04	-1.03e-05	-2.79	0.0	-0.39	7.27	-5.54e-04	0.0	-8.01e-04	-7.46
		-7.46	-1.11e-03	-7.73e-06	0.0	55.4	-0.39	4.48	-5.54e-04	0.0	-1.11e-03	-4.21
90	302	-3.54	-3.59e-04	-5.70e-06	-2.41	0.0	-0.18	6.27	-2.73e-04	0.0	-3.59e-04	-6.34
		-6.34	-5.10e-04	-4.04e-06	0.0	55.4	-0.18	3.86	-2.73e-04	0.0	-5.10e-04	-3.54
90	304	-3.57	-1.04e-04	-3.40e-06	-2.41	0.0	-0.21	6.25	-1.27e-04	0.0	-1.04e-04	-6.37
		-6.37	-1.75e-04	-5.59e-06	0.0	55.4	-0.21	3.84	-1.27e-04	0.0	-1.75e-04	-3.57
90	306	-3.55	-3.32e-04	-6.03e-06	-2.41	0.0	-0.15	6.29	-4.04e-04	0.0	-3.32e-04	-6.36
		-6.36	-5.56e-04	-4.65e-06	0.0	55.4	-0.15	3.87	-4.04e-04	0.0	-5.56e-04	-3.55
90	307	-3.69	-8.85e-04	-1.11e-05	-2.41	0.0	-0.35	6.32	-7.73e-04	0.0	-8.85e-04	-6.53
		-6.53	-1.31e-03	-7.63e-06	0.0	55.4	-0.35	3.91	-7.73e-04	0.0	-1.31e-03	-3.69
90	309	-3.55	-2.74e-04	-4.93e-06	-2.41	0.0	-0.19	6.27	-2.24e-04	0.0	-2.74e-04	-6.35
		-6.35	-3.98e-04	-4.55e-06	0.0	55.4	-0.19	3.85	-2.24e-04	0.0	-3.98e-04	-3.55
90	310	-3.70	-8.27e-04	-1.00e-05	-2.41	0.0	-0.39	6.30	-5.93e-04	0.0	-8.27e-04	-6.52
		-6.52	-1.16e-03	-7.53e-06	0.0	55.4	-0.39	3.89	-5.93e-04	0.0	-1.16e-03	-3.70
91	19	-1.61	7.55e-04	-1.91e-05	-2.26	0.0	-0.04	4.04	3.50e-03	0.0	-1.18e-03	-3.23
		-3.23	-1.18e-03	0.0	0.0	55.4	-0.04	1.78	3.50e-03	0.0	7.55e-04	-1.61
91	28	-3.73	2.59e-03	-4.14e-05	-4.69	0.0	-0.69	8.67	6.99e-03	0.0	-1.28e-03	-7.24
		-7.24	-1.28e-03	-1.92e-05	0.0	55.4	-0.69	3.98	6.99e-03	0.0	2.59e-03	-3.73
91	35	-4.67	2.68e-03	-4.05e-05	-6.08	0.0	-0.61	10.93	5.80e-03	0.0	-5.33e-04	-9.04
		-9.04	-5.33e-04	-1.76e-05	0.0	55.4	-0.61	4.85	5.80e-03	0.0	2.68e-03	-4.67
91	51	-2.59	2.21e-03	-4.63e-05	-3.29	0.0	-0.45	6.36	9.72e-03	0.0	-3.18e-03	-5.20
		-5.20	-3.18e-03	-1.44e-05	0.0	55.4	-0.45	3.07	9.72e-03	0.0	2.21e-03	-2.59
91	69	-1.63	9.52e-04	-2.23e-05	-2.26	0.0	0.04	4.15	4.47e-03	0.0	-1.53e-03	-3.30
		-3.30	-1.53e-03	-5.22e-06	0.0	55.4	0.04	1.89	4.47e-03	0.0	9.52e-04	-1.63
91	114	-0.46	-1.71e-03	-5.50e-05	-2.41	0.0	-5.17	3.59	0.09	0.0	-0.05	-1.86
		-1.86	-0.05	5.22e-05	0.0	55.4	-5.17	1.17	0.09	0.0	-1.71e-03	-0.46
91	115	-3.31	0.05	7.27e-06	-2.41	0.0	4.60	5.37	-0.08	0.0	0.05	-5.54
		-5.54	4.25e-03	-6.75e-05	0.0	55.4	4.60	2.96	-0.08	0.0	4.25e-03	-3.31
91	125	0.60	2.48e-04	-1.05e-04	-2.41	0.0	-1.00	4.29	0.04	0.0	-0.02	-1.12
		-1.12	-0.02	-3.37e-05	0.0	55.4	-1.00	1.88	0.04	0.0	2.48e-04	0.60
91	128	-4.37	0.02	5.77e-05	-2.41	0.0	0.42	4.67	-0.03	0.0	0.02	-6.27
		-6.27	2.29e-03	1.84e-05	0.0	55.4	0.42	2.25	-0.03	0.0	2.29e-03	-4.37
91	130	-2.71	-2.32e-03	2.94e-05	-2.41	0.0	-6.23	3.36	0.08	0.0	-0.05	-4.00
		-4.00	-0.05	1.80e-04	0.0	55.4	-6.23	0.95	0.08	0.0	-2.32e-03	-2.71
91	131	-1.06	0.04	-7.72e-05	-2.41	0.0	5.65	5.59	-0.07	0.0	0.04	-3.39
		-3.39	4.85e-03	-1.95e-04	0.0	55.4	5.65	3.18	-0.07	0.0	4.85e-03	-1.06
91	146	-0.28	-2.08e-03	-5.88e-05	-2.41	0.0	-5.78	3.48	0.10	0.0	-0.06	-1.63
		-1.63	-0.06	5.86e-05	0.0	55.4	-5.78	1.06	0.10	0.0	-2.08e-03	-0.28
91	147	-3.49	0.06	1.10e-05	-2.41	0.0	5.21	5.48	-0.09	0.0	0.06	-5.76
		-5.76	4.62e-03	-7.39e-05	0.0	55.4	5.21	3.07	-0.09	0.0	4.62e-03	-3.49
91	157	0.91	1.27e-04	-1.16e-04	-2.41	0.0	-1.08	4.28	0.05	0.0	-0.03	-0.80
		-0.80	-0.03	-3.72e-05	0.0	55.4	-1.08	1.86	0.05	0.0	1.27e-04	0.91
91	160	-4.68	0.02	6.80e-05	-2.41	0.0	0.50	4.68	-0.04	0.0	0.02	-6.59
		-6.59	2.41e-03	2.18e-05	0.0	55.4	0.50	2.27	-0.04	0.0	2.41e-03	-4.68
91	162	-2.83	-2.78e-03	3.67e-05	-2.41	0.0	-7.00	3.22	0.09	0.0	-0.05	-4.04
		-4.04	-0.05	2.05e-04	0.0	55.4	-7.00	0.81	0.09	0.0	-2.78e-03	-2.83
91	163	-0.94	0.05	-8.44e-05	-2.41	0.0	6.42	5.74	-0.08	0.0	0.05	-3.35
		-3.35	5.32e-03	-2.20e-04	0.0	55.4	6.42	3.33	-0.08	0.0	5.32e-03	-0.94
91	178	-0.32	-2.06e-03	-5.79e-05	-2.41	0.0	-5.75	3.49	0.10	0.0	-0.06	-1.68
		-1.68	-0.06	5.22e-05	0.0	55.4	-5.75	1.07	0.10	0.0	-2.06e-03	-0.32
91	179	-3.45	0.06	1.01e-05	-2.41	0.0	5.17	5.47	-0.09	0.0	0.06	-5.72
		-5.72	4.59e-03	-6.76e-05	0.0	55.4	5.17	3.06	-0.09	0.0	4.59e-03	-3.45
91	189	0.88	1.83e-04	-1.15e-04	-2.41	0.0	-1.00	4.32	0.05	0.0	-0.03	-0.84
		-0.84	-0.03	-3.83e-05	0.0	55.4	-1.00	1.90	0.05	0.0	1.83e-04	0.88
91	192	-4.65	0.02	6.77e-05	-2.41	0.0	0.42	4.64	-0.04	0.0	0.02	-6.55
		-6.55	2.35e-03	2.29e-05	0.0	55.4	0.42	2.23	-0.04	0.0	2.35e-03	-4.65
91	194	-2.89	-2.87e-03	3.98e-05	-2.41	0.0	-7.16	3.19	0.09	0.0	-0.05	-4.08
		-4.08	-0.05	2.11e-04	0.0	55.4	-7.16	0.78	0.09	0.0	-2.87e-03	-2.89

91	195	-0.88	0.05	-8.75e-05	-2.41	0.0	6.59	5.77	-0.08	0.0	0.05	-3.31
		-3.31	5.41e-03	-2.26e-04	0.0	55.4	6.59	3.35	-0.08	0.0	5.41e-03	-0.88
91	210	-0.07	-2.64e-03	-6.32e-05	-2.41	0.0	-6.70	3.31	0.12	0.0	-0.07	-1.35
		-1.35	-0.07	5.90e-05	0.0	55.4	-6.70	0.90	0.12	0.0	-2.64e-03	-0.07
91	211	-3.70	0.07	1.54e-05	-2.41	0.0	6.12	5.65	-0.11	0.0	0.07	-6.05
		-6.05	5.17e-03	-7.43e-05	0.0	55.4	6.12	3.23	-0.11	0.0	5.17e-03	-3.70
91	221	1.35	3.29e-05	-1.31e-04	-2.41	0.0	-1.08	4.30	0.05	0.0	-0.03	-0.37
		-0.37	-0.03	-4.43e-05	0.0	55.4	-1.08	1.89	0.05	0.0	3.29e-05	1.35
91	224	-5.12	0.03	8.33e-05	-2.41	0.0	0.50	4.66	-0.04	0.0	0.03	-7.02
		-7.02	2.50e-03	2.89e-05	0.0	55.4	0.50	2.24	-0.04	0.0	2.50e-03	-5.12
91	226	-3.12	-3.68e-03	5.34e-05	-2.41	0.0	-8.52	2.94	0.10	0.0	-0.06	-4.18
		-4.18	-0.06	2.55e-04	0.0	55.4	-8.52	0.52	0.10	0.0	-3.68e-03	-3.12
91	227	-0.65	0.06	-1.01e-04	-2.41	0.0	7.94	6.02	-0.10	0.0	0.06	-3.21
		-3.21	6.22e-03	-2.70e-04	0.0	55.4	7.94	3.61	-0.10	0.0	6.22e-03	-0.65
91	248	-1.76	8.64e-04	-1.90e-05	-2.41	0.0	-0.09	4.32	3.29e-03	0.0	-9.58e-04	-3.49
		-3.49	-9.58e-04	-2.07e-06	0.0	55.4	-0.09	1.91	3.29e-03	0.0	8.64e-04	-1.76
91	256	-2.65	1.80e-03	-2.88e-05	-3.34	0.0	-0.47	6.17	4.82e-03	0.0	-8.70e-04	-5.14
		-5.14	-8.70e-04	-1.32e-05	0.0	55.4	-0.47	2.82	4.82e-03	0.0	1.80e-03	-2.65
91	259	-3.28	1.86e-03	-2.82e-05	-4.28	0.0	-0.42	7.68	4.02e-03	0.0	-3.72e-04	-6.34
		-6.34	-3.72e-04	-1.22e-05	0.0	55.4	-0.42	3.40	4.02e-03	0.0	1.86e-03	-3.28
91	267	-1.89	1.54e-03	-3.21e-05	-2.41	0.0	-0.31	4.63	6.64e-03	0.0	-2.13e-03	-3.79
		-3.79	-2.13e-03	-1.01e-05	0.0	55.4	-0.31	2.22	6.64e-03	0.0	1.54e-03	-1.89
91	273	-1.77	9.95e-04	-2.11e-05	-2.41	0.0	-0.03	4.39	3.94e-03	0.0	-1.19e-03	-3.54
		-3.54	-1.19e-03	-5.19e-06	0.0	55.4	-0.03	1.98	3.94e-03	0.0	9.95e-04	-1.77
91	301	-2.15	1.36e-03	-2.52e-05	-2.79	0.0	-0.29	5.11	4.46e-03	0.0	-1.11e-03	-4.21
		-4.21	-1.11e-03	-7.86e-06	0.0	55.4	-0.29	2.33	4.46e-03	0.0	1.36e-03	-2.15
91	302	-1.81	9.11e-04	-1.67e-05	-2.41	0.0	-0.14	4.32	2.57e-03	0.0	-5.10e-04	-3.54
		-3.54	-5.10e-04	-4.10e-06	0.0	55.4	-0.14	1.91	2.57e-03	0.0	9.11e-04	-1.81
91	305	-1.91	1.29e-03	-2.27e-05	-2.41	0.0	-0.31	4.48	4.02e-03	0.0	-9.32e-04	-3.72
		-3.72	-9.32e-04	-8.68e-06	0.0	55.4	-0.31	2.06	4.02e-03	0.0	1.29e-03	-1.91
91	306	-1.81	9.37e-04	-1.71e-05	-2.41	0.0	-0.13	4.34	2.70e-03	0.0	-5.56e-04	-3.55
		-3.55	-5.56e-04	-4.72e-06	0.0	55.4	-0.13	1.92	2.70e-03	0.0	9.37e-04	-1.81
91	307	-1.87	1.28e-03	-2.49e-05	-2.41	0.0	-0.27	4.49	4.69e-03	0.0	-1.31e-03	-3.69
		-3.69	-1.31e-03	-7.78e-06	0.0	55.4	-0.27	2.08	4.69e-03	0.0	1.28e-03	-1.87
91	309	-1.82	9.23e-04	-1.61e-05	-2.41	0.0	-0.15	4.32	2.39e-03	0.0	-3.98e-04	-3.55
		-3.55	-3.98e-04	-4.60e-06	0.0	55.4	-0.15	1.91	2.39e-03	0.0	9.23e-04	-1.82
91	310	-1.88	1.27e-03	-2.39e-05	-2.41	0.0	-0.29	4.48	4.38e-03	0.0	-1.16e-03	-3.70
		-3.70	-1.16e-03	-7.67e-06	0.0	55.4	-0.29	2.07	4.38e-03	0.0	1.27e-03	-1.88
92	19	-0.72	7.55e-04	-1.93e-05	-2.26	0.0	0.05	2.74	-3.47e-04	0.0	7.55e-04	-1.61
		-1.61	5.63e-04	0.0	0.0	55.4	0.05	0.48	-3.47e-04	0.0	5.63e-04	-0.72
92	35	-2.18	2.68e-03	-4.51e-05	-6.08	0.0	-0.23	7.53	-1.56e-04	0.0	2.68e-03	-4.67
		-4.67	2.59e-03	-1.73e-05	0.0	55.4	-0.23	1.45	-1.56e-04	0.0	2.59e-03	-2.18
92	44	-1.76	2.41e-03	-3.74e-05	-4.69	0.0	-0.29	5.96	-2.66e-05	0.0	2.41e-03	-3.76
		-3.76	2.39e-03	-1.96e-05	0.0	55.4	-0.29	1.27	-2.66e-05	0.0	2.39e-03	-1.76
92	69	-0.70	1.12e-03	-2.21e-05	-2.26	0.0	0.15	2.80	3.04e-04	0.0	9.52e-04	-1.63
		-1.63	9.52e-04	-5.11e-06	0.0	55.4	0.15	0.55	3.04e-04	0.0	1.12e-03	-0.70
92	71	-0.66	1.56e-03	-3.65e-05	-2.26	0.0	0.05	3.06	-1.57e-04	0.0	1.56e-03	-1.73
		-1.73	1.47e-03	-1.04e-05	0.0	55.4	0.05	0.80	-1.57e-04	0.0	1.47e-03	-0.66
92	114	0.12	-1.71e-03	-4.24e-05	-2.41	0.0	-6.34	2.13	-0.02	0.0	-1.71e-03	-0.46
		-0.46	-0.01	4.30e-05	0.0	55.4	-6.34	-0.28	-0.02	0.0	-0.01	0.12
92	115	-1.78	0.02	-9.13e-06	-2.41	0.0	6.17	4.09	0.02	0.0	4.25e-03	-3.31
		-3.31	4.25e-03	-5.80e-05	0.0	55.4	6.17	1.68	0.02	0.0	0.02	-1.78
92	125	1.13	2.48e-04	-7.57e-05	-2.41	0.0	-3.25	2.21	-4.92e-03	0.0	2.48e-04	0.60
		0.60	-2.48e-03	-3.37e-05	0.0	55.4	-3.25	-0.21	-4.92e-03	0.0	-2.48e-03	1.12
92	128	-2.78	4.60e-03	2.41e-05	-2.41	0.0	3.08	4.02	4.18e-03	0.0	2.29e-03	-4.37
		-4.37	2.29e-03	1.87e-05	0.0	55.4	3.08	1.60	4.18e-03	0.0	4.60e-03	-2.78
92	130	-1.76	-2.32e-03	1.12e-05	-2.41	0.0	-4.88	2.63	-0.02	0.0	-2.32e-03	-2.71
		-2.71	-0.02	1.78e-04	0.0	55.4	-4.88	0.22	-0.02	0.0	-0.02	-1.76
92	131	0.10	0.02	-6.28e-05	-2.41	0.0	4.72	3.59	0.02	0.0	4.85e-03	-1.06
		-1.06	4.85e-03	-1.93e-04	0.0	55.4	4.72	1.18	0.02	0.0	0.02	0.10
92	146	0.24	-2.08e-03	-4.44e-05	-2.41	0.0	-7.11	2.01	-0.02	0.0	-2.08e-03	-0.28
		-0.28	-0.01	4.83e-05	0.0	55.4	-7.11	-0.40	-0.02	0.0	-0.01	0.23
92	147	-1.89	0.02	-7.12e-06	-2.41	0.0	6.94	4.21	0.02	0.0	4.62e-03	-3.49
		-3.49	4.62e-03	-6.33e-05	0.0	55.4	6.94	1.80	0.02	0.0	0.02	-1.89
92	157	1.38	1.27e-04	-8.20e-05	-2.41	0.0	-3.63	2.10	-5.45e-03	0.0	1.27e-04	0.91
		0.91	-2.89e-03	-3.72e-05	0.0	55.4	-3.63	-0.32	-5.45e-03	0.0	-2.89e-03	1.36
92	160	-3.02	5.02e-03	3.04e-05	-2.41	0.0	3.47	4.13	4.71e-03	0.0	2.41e-03	-4.68
		-4.68	2.41e-03	2.21e-05	0.0	55.4	3.47	1.71	4.71e-03	0.0	5.02e-03	-3.02
92	162	-1.88	-2.78e-03	1.62e-05	-2.41	0.0	-5.50	2.57	-0.03	0.0	-2.78e-03	-2.83
		-2.83	-0.02	2.02e-04	0.0	55.4	-5.50	0.16	-0.03	0.0	-0.02	-1.88
92	163	0.22	0.02	-6.78e-05	-2.41	0.0	5.34	3.65	0.03	0.0	5.32e-03	-0.94
		-0.94	5.32e-03	-2.17e-04	0.0	55.4	5.34	1.24	0.03	0.0	0.02	0.22
92	178	0.21	-2.06e-03	-4.39e-05	-2.41	0.0	-7.01	2.03	-0.02	0.0	-2.06e-03	-0.32
		-0.32	-0.01	4.24e-05	0.0	55.4	-7.01	-0.38	-0.02	0.0	-0.01	0.21
92	179	-1.86	0.02	-7.63e-06	-2.41	0.0	6.84	4.19	0.02	0.0	4.59e-03	-3.45

		-3.45	4.59e-03	-5.74e-05	0.0	55.4	6.84	1.77	0.02	0.0	0.02	-1.86
92	189	1.36	1.83e-04	-8.19e-05	-2.41	0.0	-3.53	2.12	-5.13e-03	0.0	1.83e-04	0.88
		0.88	-2.66e-03	-3.82e-05	0.0	55.4	-3.53	-0.30	-5.13e-03	0.0	-2.66e-03	1.35
92	192	-3.01	4.78e-03	3.03e-05	-2.41	0.0	3.37	4.11	4.39e-03	0.0	2.35e-03	-4.65
		-4.65	2.35e-03	2.32e-05	0.0	55.4	3.37	1.69	4.39e-03	0.0	4.78e-03	-3.01
92	194	-1.94	-2.87e-03	1.83e-05	-2.41	0.0	-5.56	2.59	-0.03	0.0	-2.87e-03	-2.89
		-2.89	-0.02	2.08e-04	0.0	55.4	-5.56	0.17	-0.03	0.0	-0.02	-1.94
92	195	0.28	0.02	-6.98e-05	-2.41	0.0	5.40	3.64	0.03	0.0	5.41e-03	-0.88
		-0.88	5.41e-03	-2.23e-04	0.0	55.4	5.40	1.22	0.03	0.0	0.02	0.28
92	210	0.39	-2.64e-03	-4.68e-05	-2.41	0.0	-8.18	1.86	-0.03	0.0	-2.64e-03	-0.07
		-0.07	-0.02	4.76e-05	0.0	55.4	-8.18	-0.56	-0.03	0.0	-0.02	0.37
92	211	-2.03	0.02	-4.81e-06	-2.41	0.0	8.01	4.37	0.03	0.0	5.17e-03	-3.70
		-3.70	5.17e-03	-6.27e-05	0.0	55.4	8.01	1.95	0.03	0.0	0.02	-2.03
92	224	-3.37	5.28e-03	3.99e-05	-2.41	0.0	3.90	4.27	5.01e-03	0.0	2.50e-03	-5.12
		-5.12	2.50e-03	2.91e-05	0.0	55.4	3.90	1.86	5.01e-03	0.0	5.28e-03	-3.37
92	226	-2.19	-3.68e-03	2.77e-05	-2.41	0.0	-6.59	2.50	-0.03	0.0	-3.68e-03	-3.12
		-3.12	-0.02	2.52e-04	0.0	55.4	-6.59	0.08	-0.03	0.0	-0.02	-2.19
92	227	0.53	0.02	-7.92e-05	-2.41	0.0	6.42	3.73	0.03	0.0	6.22e-03	-0.65
		-0.65	6.22e-03	-2.67e-04	0.0	55.4	6.42	1.31	0.03	0.0	0.02	0.53
92	237	1.75	0.01	-1.09e-04	-2.41	0.0	2.36	2.96	0.02	0.0	4.36e-03	0.94
		0.94	4.36e-03	-1.15e-04	0.0	55.4	2.36	0.54	0.02	0.0	0.01	1.75
92	248	-0.80	8.64e-04	-1.97e-05	-2.41	0.0	0.03	2.95	-2.81e-04	0.0	8.64e-04	-1.76
		-1.76	7.08e-04	-1.97e-06	0.0	55.4	0.03	0.53	-2.81e-04	0.0	7.08e-04	-0.80
92	259	-1.53	1.86e-03	-3.14e-05	-4.28	0.0	-0.16	5.29	-1.05e-04	0.0	1.86e-03	-3.28
		-3.28	1.80e-03	-1.20e-05	0.0	55.4	-0.16	1.01	-1.05e-04	0.0	1.80e-03	-1.53
92	264	-1.25	1.67e-03	-2.63e-05	-3.34	0.0	-0.20	4.24	-1.88e-05	0.0	1.67e-03	-2.67
		-2.67	1.66e-03	-1.35e-05	0.0	55.4	-0.20	0.89	-1.88e-05	0.0	1.66e-03	-1.25
92	273	-0.78	1.08e-03	-2.16e-05	-2.41	0.0	0.09	2.99	1.53e-04	0.0	9.95e-04	-1.77
		-1.77	9.95e-04	-5.07e-06	0.0	55.4	0.09	0.57	1.53e-04	0.0	1.08e-03	-0.78
92	275	-0.76	1.40e-03	-3.12e-05	-2.41	0.0	0.02	3.16	-1.54e-04	0.0	1.40e-03	-1.84
		-1.84	1.31e-03	-8.60e-06	0.0	55.4	0.02	0.74	-1.54e-04	0.0	1.31e-03	-0.76
92	301	-0.96	1.36e-03	-2.71e-05	-2.79	0.0	-0.08	3.54	-3.51e-04	0.0	1.36e-03	-2.15
		-2.15	1.17e-03	-7.70e-06	0.0	55.4	-0.08	0.75	-3.51e-04	0.0	1.17e-03	-0.96
92	302	-0.84	9.11e-04	-1.80e-05	-2.41	0.0	-0.01	2.96	-1.43e-04	0.0	9.11e-04	-1.81
		-1.81	8.32e-04	-3.99e-06	0.0	55.4	-0.01	0.55	-1.43e-04	0.0	8.32e-04	-0.84
92	305	-0.85	1.29e-03	-2.49e-05	-2.41	0.0	-0.10	3.12	-3.03e-04	0.0	1.29e-03	-1.91
		-1.91	1.12e-03	-8.53e-06	0.0	55.4	-0.10	0.71	-3.03e-04	0.0	1.12e-03	-0.85
92	306	-0.84	9.37e-04	-1.84e-05	-2.41	0.0	-2.12e-03	2.97	-5.60e-05	0.0	9.37e-04	-1.81
		-1.81	9.06e-04	-4.61e-06	0.0	55.4	-2.12e-03	0.56	-5.60e-05	0.0	9.06e-04	-0.84
92	307	-0.82	1.28e-03	-2.66e-05	-2.41	0.0	-0.06	3.12	-3.19e-04	0.0	1.28e-03	-1.87
		-1.87	1.11e-03	-7.63e-06	0.0	55.4	-0.06	0.70	-3.19e-04	0.0	1.11e-03	-0.82
92	309	-0.85	9.23e-04	-1.76e-05	-2.41	0.0	-0.02	2.97	-1.08e-04	0.0	9.23e-04	-1.82
		-1.82	8.63e-04	-4.49e-06	0.0	55.4	-0.02	0.55	-1.08e-04	0.0	8.63e-04	-0.85
92	310	-0.83	1.27e-03	-2.58e-05	-2.41	0.0	-0.08	3.11	-3.72e-04	0.0	1.27e-03	-1.88
		-1.88	1.06e-03	-7.52e-06	0.0	55.4	-0.08	0.70	-3.72e-04	0.0	1.06e-03	-0.83
93	9	-27.80	0.02	5.18e-04	-6.27	0.0	4.41	25.76	-0.02	0.0	0.02	-41.16
		-41.16	0.01	-7.04e-06	0.0	59.1	4.41	19.49	-0.02	0.0	0.01	-27.80
93	19	-10.27	0.01	2.04e-04	-2.33	0.0	1.74	9.68	-0.01	0.0	0.01	-15.30
		-15.30	6.26e-03	-1.45e-06	0.0	59.1	1.74	7.35	-0.01	0.0	6.26e-03	-10.27
93	35	-28.03	0.03	6.08e-04	-6.27	0.0	4.87	25.37	-0.03	0.0	0.03	-41.16
		-41.16	0.02	-2.09e-05	0.0	59.1	4.87	19.10	-0.03	0.0	0.02	-28.03
93	69	-10.40	0.01	2.17e-04	-2.33	0.0	1.78	9.47	-8.81e-03	0.0	0.01	-15.30
		-15.30	5.80e-03	-6.10e-06	0.0	59.1	1.78	7.14	-8.81e-03	0.0	5.80e-03	-10.40
93	76	-21.56	0.04	5.20e-04	-4.83	0.0	4.09	19.64	-0.03	0.0	0.04	-31.73
		-31.73	0.02	-1.81e-05	0.0	59.1	4.09	14.81	-0.03	0.0	0.02	-21.56
93	121	-7.75	0.03	8.92e-05	-2.49	0.0	0.52	13.66	-0.02	0.0	0.03	-13.12
		-13.12	0.02	-6.69e-05	0.0	59.1	0.52	11.17	-0.02	0.0	0.02	-7.75
93	122	-6.67	0.05	3.45e-05	-2.49	0.0	0.80	14.93	-0.04	0.0	0.05	-12.45
		-12.45	0.03	4.74e-05	0.0	59.1	0.80	12.44	-0.04	0.0	0.03	-6.67
93	123	-15.55	-4.95e-03	5.08e-04	-2.49	0.0	3.46	5.30	0.01	0.0	-0.01	-20.25
		-20.25	-0.01	-6.66e-05	0.0	59.1	3.46	2.81	0.01	0.0	-4.95e-03	-15.55
93	124	-14.47	9.77e-03	4.53e-04	-2.49	0.0	3.74	6.57	-8.05e-03	0.0	9.77e-03	-19.58
		-19.58	5.02e-03	4.77e-05	0.0	59.1	3.74	4.07	-8.05e-03	0.0	5.02e-03	-14.47
93	130	-8.59	0.06	1.41e-04	-2.49	0.0	2.46	12.96	-0.05	0.0	0.06	-14.64
		-14.64	0.03	1.87e-04	0.0	59.1	2.46	10.47	-0.05	0.0	0.03	-8.59
93	131	-13.63	-0.01	4.01e-04	-2.49	0.0	1.80	7.27	0.02	0.0	-0.03	-18.06
		-18.06	-0.03	-2.06e-04	0.0	59.1	1.80	4.78	0.02	0.0	-0.01	-13.63
93	153	-7.35	0.03	6.67e-05	-2.49	0.0	0.32	14.09	-0.02	0.0	0.03	-12.75
		-12.75	0.02	-7.46e-05	0.0	59.1	0.32	11.59	-0.02	0.0	0.02	-7.35
93	154	-6.13	0.05	1.05e-05	-2.49	0.0	0.63	15.52	-0.04	0.0	0.05	-12.01
		-12.01	0.03	5.50e-05	0.0	59.1	0.63	13.02	-0.04	0.0	0.03	-6.13
93	155	-16.09	-6.84e-03	5.37e-04	-2.49	0.0	3.63	4.71	0.01	0.0	-0.02	-20.69
		-20.69	-0.02	-7.42e-05	0.0	59.1	3.63	2.22	0.01	0.0	-6.84e-03	-16.09
93	156	-14.87	8.72e-03	4.76e-04	-2.49	0.0	3.94	6.14	-7.26e-03	0.0	8.72e-03	-19.95
		-19.95	4.44e-03	5.54e-05	0.0	59.1	3.94	3.65	-7.26e-03	0.0	4.44e-03	-14.87

93	162	-8.27	0.07	1.25e-04	-2.49	0.0	2.50	13.32	-0.06	0.0	0.07	-14.45
		-14.45	0.03	2.12e-04	0.0	59.1	2.50	10.83	-0.06	0.0	0.03	-8.27
93	163	-13.95	-0.01	4.17e-04	-2.49	0.0	1.77	6.91	0.03	0.0	-0.03	-18.25
		-18.25	-0.03	-2.32e-04	0.0	59.1	1.77	4.42	0.03	0.0	-0.01	-13.95
93	185	-7.54	0.03	7.09e-05	-2.49	0.0	0.36	13.86	-0.02	0.0	0.03	-13.15
		-13.15	0.02	-7.80e-05	0.0	59.1	0.36	11.36	-0.02	0.0	0.02	-7.54
93	186	-6.32	0.05	1.29e-05	-2.49	0.0	0.65	15.31	-0.04	0.0	0.05	-12.48
		-12.48	0.03	5.73e-05	0.0	59.1	0.65	12.82	-0.04	0.0	0.03	-6.32
93	187	-15.90	-6.81e-03	5.34e-04	-2.49	0.0	3.61	4.92	0.01	0.0	-0.02	-20.22
		-20.22	-0.02	-7.66e-05	0.0	59.1	3.61	2.43	0.01	0.0	-6.81e-03	-15.90
93	188	-14.68	9.55e-03	4.72e-04	-2.49	0.0	3.90	6.37	-7.99e-03	0.0	9.55e-03	-19.55
		-19.55	4.83e-03	5.87e-05	0.0	59.1	3.90	3.88	-7.99e-03	0.0	4.83e-03	-14.68
93	194	-8.31	0.07	1.26e-04	-2.49	0.0	2.47	13.33	-0.06	0.0	0.07	-14.62
		-14.62	0.04	2.19e-04	0.0	59.1	2.47	10.83	-0.06	0.0	0.04	-8.31
93	195	-13.91	-0.02	4.17e-04	-2.49	0.0	1.79	6.90	0.03	0.0	-0.03	-18.08
		-18.08	-0.03	-2.38e-04	0.0	59.1	1.79	4.41	0.03	0.0	-0.02	-13.91
93	217	-6.98	0.03	3.93e-05	-2.49	0.0	0.08	14.42	-0.02	0.0	0.03	-12.66
		-12.66	0.02	-9.25e-05	0.0	59.1	0.08	11.93	-0.02	0.0	0.02	-6.98
93	218	-5.53	0.06	-3.49e-05	-2.49	0.0	0.41	16.16	-0.05	0.0	0.06	-11.88
		-11.88	0.03	7.10e-05	0.0	59.1	0.41	13.67	-0.05	0.0	0.03	-5.53
93	219	-16.69	-9.76e-03	5.77e-04	-2.49	0.0	3.85	4.07	0.02	0.0	-0.02	-20.82
		-20.82	-0.02	-9.02e-05	0.0	59.1	3.85	1.58	0.02	0.0	-9.76e-03	-16.69
93	220	-15.24	8.55e-03	5.03e-04	-2.49	0.0	4.19	5.81	-7.31e-03	0.0	8.55e-03	-20.04
		-20.04	4.23e-03	7.32e-05	0.0	59.1	4.19	3.31	-7.31e-03	0.0	4.23e-03	-15.24
93	226	-7.80	0.08	9.89e-05	-2.49	0.0	2.52	13.93	-0.07	0.0	0.08	-14.34
		-14.34	0.04	2.64e-04	0.0	59.1	2.52	11.44	-0.07	0.0	0.04	-7.80
93	227	-14.42	-0.02	4.44e-04	-2.49	0.0	1.74	6.30	0.04	0.0	-0.04	-18.36
		-18.36	-0.04	-2.83e-04	0.0	59.1	1.74	3.81	0.04	0.0	-0.02	-14.42
93	245	-19.54	0.02	3.65e-04	-4.41	0.0	3.11	18.10	-0.02	0.0	0.02	-28.92
		-28.92	8.89e-03	-5.22e-06	0.0	59.1	3.11	13.69	-0.02	0.0	8.89e-03	-19.54
93	248	-11.02	0.01	2.24e-04	-2.49	0.0	1.88	10.28	-0.01	0.0	0.01	-16.35
		-16.35	6.79e-03	-3.11e-06	0.0	59.1	1.88	7.78	-0.01	0.0	6.79e-03	-11.02
93	259	-19.69	0.02	4.26e-04	-4.41	0.0	3.41	17.84	-0.02	0.0	0.02	-28.92
		-28.92	0.01	-1.45e-05	0.0	59.1	3.41	13.43	-0.02	0.0	0.01	-19.69
93	273	-11.10	0.01	2.32e-04	-2.49	0.0	1.90	10.14	-0.01	0.0	0.01	-16.35
		-16.35	6.48e-03	-6.21e-06	0.0	59.1	1.90	7.64	-0.01	0.0	6.48e-03	-11.10
93	280	-15.37	0.03	3.67e-04	-3.45	0.0	2.90	14.02	-0.02	0.0	0.03	-22.64
		-22.64	0.01	-1.26e-05	0.0	59.1	2.90	10.57	-0.02	0.0	0.01	-15.37
93	298	-11.12	0.02	2.78e-04	-2.49	0.0	2.17	10.11	-0.02	0.0	0.02	-16.35
		-16.35	0.01	-1.03e-05	0.0	59.1	2.17	7.61	-0.02	0.0	0.01	-11.12
93	301	-12.81	0.02	2.99e-04	-2.87	0.0	2.37	11.69	-0.02	0.0	0.02	-18.86
		-18.86	0.01	-9.83e-06	0.0	59.1	2.37	8.81	-0.02	0.0	0.01	-12.81
93	302	-11.07	0.01	2.30e-04	-2.49	0.0	1.89	10.19	-0.01	0.0	0.01	-16.35
		-16.35	6.79e-03	-5.21e-06	0.0	59.1	1.89	7.70	-0.01	0.0	6.79e-03	-11.07
93	306	-11.08	0.01	2.32e-04	-2.49	0.0	1.90	10.16	-0.01	0.0	0.01	-16.35
		-16.35	6.73e-03	-5.83e-06	0.0	59.1	1.90	7.67	-0.01	0.0	6.73e-03	-11.08
93	309	-11.08	0.01	2.31e-04	-2.49	0.0	1.90	10.17	-0.01	0.0	0.01	-16.35
		-16.35	6.79e-03	-5.73e-06	0.0	59.1	1.90	7.68	-0.01	0.0	6.79e-03	-11.08
93	310	-11.11	0.02	2.71e-04	-2.49	0.0	2.13	10.12	-0.02	0.0	0.02	-16.35
		-16.35	0.01	-9.62e-06	0.0	59.1	2.13	7.62	-0.02	0.0	0.01	-11.11
94	19	-6.44	6.26e-03	1.20e-04	-2.33	0.0	2.18	7.65	-6.70e-03	0.0	6.26e-03	-10.27
		-10.27	2.30e-03	0.0	0.0	59.1	2.18	5.32	-6.70e-03	0.0	2.30e-03	-6.44
94	35	-18.05	0.02	3.77e-04	-6.27	0.0	6.63	20.02	-0.02	0.0	0.02	-28.03
		-28.03	5.60e-03	-1.86e-05	0.0	59.1	6.63	13.75	-0.02	0.0	5.60e-03	-18.05
94	46	-10.74	7.85e-03	1.98e-04	-3.77	0.0	3.92	12.35	-0.01	0.0	7.85e-03	-16.93
		-16.93	1.19e-03	-1.30e-05	0.0	59.1	3.92	8.58	-0.01	0.0	1.19e-03	-10.74
94	76	-14.14	0.02	3.48e-04	-4.83	0.0	5.39	14.97	-0.02	0.0	0.02	-21.56
		-21.56	7.62e-03	-1.56e-05	0.0	59.1	5.39	10.14	-0.02	0.0	7.62e-03	-14.14
94	114	-4.73	0.03	8.89e-05	-2.49	0.0	1.72	8.43	3.62e-04	0.0	0.03	-8.18
		-8.18	0.03	5.63e-05	0.0	59.1	1.72	5.93	3.62e-04	0.0	0.03	-4.73
94	115	-9.80	-0.01	2.76e-04	-2.49	0.0	3.81	7.08	-0.02	0.0	-0.01	-14.04
		-14.04	-0.03	-7.29e-05	0.0	59.1	3.81	4.59	-0.02	0.0	-0.03	-9.80
94	122	-3.40	0.03	3.58e-05	-2.49	0.0	0.06	9.12	2.54e-04	0.0	0.03	-6.67
		-6.67	0.03	4.84e-05	0.0	59.1	0.06	6.63	2.54e-04	0.0	0.03	-3.40
94	123	-11.13	-4.95e-03	3.29e-04	-2.49	0.0	5.46	6.38	-0.02	0.0	-4.95e-03	-15.55
		-15.55	-0.02	-6.50e-05	0.0	59.1	5.46	3.89	-0.02	0.0	-0.02	-11.13
94	125	-4.05	0.02	5.32e-05	-2.49	0.0	-0.67	9.49	-4.40e-03	0.0	0.02	-7.51
		-7.51	0.01	-3.22e-05	0.0	59.1	-0.67	7.00	-4.40e-03	0.0	0.01	-4.05
94	128	-10.48	3.59e-03	3.11e-04	-2.49	0.0	6.19	6.02	-0.02	0.0	3.59e-03	-14.72
		-14.72	-6.00e-03	1.56e-05	0.0	59.1	6.19	3.52	-0.02	0.0	-6.00e-03	-10.48
94	146	-4.42	0.04	7.75e-05	-2.49	0.0	1.59	8.50	1.68e-03	0.0	0.04	-7.83
		-7.83	0.04	6.31e-05	0.0	59.1	1.59	6.01	1.68e-03	0.0	0.04	-4.42
94	147	-10.11	-0.02	2.87e-04	-2.49	0.0	3.93	7.01	-0.02	0.0	-0.02	-14.39
		-14.39	-0.03	-7.98e-05	0.0	59.1	3.93	4.52	-0.02	0.0	-0.03	-10.11
94	154	-2.93	0.03	1.76e-05	-2.49	0.0	-0.27	9.27	1.58e-03	0.0	0.03	-6.13

		-6.13	0.03	5.59e-05	0.0	59.1	-0.27	6.78	1.58e-03	0.0	0.03	-2.93
94	155	-11.61	-6.84e-03	3.47e-04	-2.49	0.0	5.80	6.23	-0.02	0.0	-6.84e-03	-16.09
		-16.09	-0.02	-7.26e-05	0.0	59.1	5.80	3.74	-0.02	0.0	-0.02	-11.61
94	157	-3.66	0.02	3.72e-05	-2.49	0.0	-1.10	9.69	-3.69e-03	0.0	0.02	-7.07
		-7.07	0.02	-3.55e-05	0.0	59.1	-1.10	7.19	-3.69e-03	0.0	0.02	-3.66
94	160	-10.88	2.82e-03	3.27e-04	-2.49	0.0	6.62	5.82	-0.02	0.0	2.82e-03	-15.15
		-15.15	-7.19e-03	1.88e-05	0.0	59.1	6.62	3.33	-0.02	0.0	-7.19e-03	-10.88
94	178	-4.51	0.04	8.02e-05	-2.49	0.0	1.63	8.41	1.52e-03	0.0	0.04	-7.95
		-7.95	0.04	5.60e-05	0.0	59.1	1.63	5.92	1.52e-03	0.0	0.04	-4.51
94	179	-10.02	-0.02	2.84e-04	-2.49	0.0	3.90	7.10	-0.02	0.0	-0.02	-14.27
		-14.27	-0.03	-7.27e-05	0.0	59.1	3.90	4.60	-0.02	0.0	-0.03	-10.02
94	186	-3.03	0.03	2.01e-05	-2.49	0.0	-0.22	9.07	1.48e-03	0.0	0.03	-6.32
		-6.32	0.03	5.84e-05	0.0	59.1	-0.22	6.57	1.48e-03	0.0	0.03	-3.03
94	187	-11.51	-6.81e-03	3.45e-04	-2.49	0.0	5.75	6.44	-0.02	0.0	-6.81e-03	-15.90
		-15.90	-0.02	-7.51e-05	0.0	59.1	5.75	3.95	-0.02	0.0	-0.02	-11.51
94	189	-3.75	0.02	3.92e-05	-2.49	0.0	-1.05	9.48	-3.92e-03	0.0	0.02	-7.25
		-7.25	0.01	-3.68e-05	0.0	59.1	-1.05	6.98	-3.92e-03	0.0	0.01	-3.75
94	192	-10.79	3.11e-03	3.25e-04	-2.49	0.0	6.57	6.03	-0.02	0.0	3.11e-03	-14.97
		-14.97	-6.76e-03	2.01e-05	0.0	59.1	6.57	3.54	-0.02	0.0	-6.76e-03	-10.79
94	210	-4.05	0.04	6.32e-05	-2.49	0.0	1.44	8.51	3.53e-03	0.0	0.04	-7.43
		-7.43	0.04	6.30e-05	0.0	59.1	1.44	6.02	3.53e-03	0.0	0.04	-4.05
94	211	-10.48	-0.02	3.01e-04	-2.49	0.0	4.09	6.99	-0.02	0.0	-0.02	-14.80
		-14.80	-0.03	-7.97e-05	0.0	59.1	4.09	4.50	-0.02	0.0	-0.03	-10.48
94	218	-2.33	0.03	-6.62e-06	-2.49	0.0	-0.70	9.26	3.48e-03	0.0	0.03	-5.53
		-5.53	0.03	7.21e-05	0.0	59.1	-0.70	6.77	3.48e-03	0.0	0.03	-2.33
94	219	-12.21	-9.76e-03	3.71e-04	-2.49	0.0	6.22	6.25	-0.02	0.0	-9.76e-03	-16.69
		-16.69	-0.02	-8.87e-05	0.0	59.1	6.22	3.76	-0.02	0.0	-0.02	-12.21
94	221	-3.18	0.02	1.59e-05	-2.49	0.0	-1.68	9.75	-2.97e-03	0.0	0.02	-6.64
		-6.64	0.02	-4.25e-05	0.0	59.1	-1.68	7.25	-2.97e-03	0.0	0.02	-3.18
94	224	-11.35	2.10e-03	3.49e-04	-2.49	0.0	7.21	5.76	-0.02	0.0	2.10e-03	-15.58
		-15.58	-8.33e-03	2.59e-05	0.0	59.1	7.21	3.27	-0.02	0.0	-8.33e-03	-11.35
94	248	-6.95	6.79e-03	1.33e-04	-2.49	0.0	2.40	8.13	-7.48e-03	0.0	6.79e-03	-11.02
		-11.02	2.37e-03	-2.24e-06	0.0	59.1	2.40	5.64	-7.48e-03	0.0	2.37e-03	-6.95
94	259	-12.66	0.01	2.63e-04	-4.41	0.0	4.64	14.10	-0.01	0.0	0.01	-19.69
		-19.69	3.90e-03	-1.28e-05	0.0	59.1	4.64	9.69	-0.01	0.0	3.90e-03	-12.66
94	262	-9.81	7.85e-03	1.85e-04	-3.45	0.0	3.56	11.27	-0.01	0.0	7.85e-03	-15.45
		-15.45	1.63e-03	-1.05e-05	0.0	59.1	3.56	7.82	-0.01	0.0	1.63e-03	-9.81
94	280	-10.05	0.01	2.44e-04	-3.45	0.0	3.82	10.73	-0.01	0.0	0.01	-15.37
		-15.37	5.24e-03	-1.09e-05	0.0	59.1	3.82	7.28	-0.01	0.0	5.24e-03	-10.05
94	298	-7.31	0.01	1.89e-04	-2.49	0.0	2.81	7.69	-0.01	0.0	0.01	-11.12
		-11.12	4.24e-03	-8.91e-06	0.0	59.1	2.81	5.20	-0.01	0.0	4.24e-03	-7.31
94	301	-8.32	0.01	1.96e-04	-2.87	0.0	3.11	9.04	-0.01	0.0	0.01	-12.81
		-12.81	3.92e-03	-8.49e-06	0.0	59.1	3.11	6.17	-0.01	0.0	3.92e-03	-8.32
94	302	-7.01	6.79e-03	1.38e-04	-2.49	0.0	2.48	8.11	-7.80e-03	0.0	6.79e-03	-11.07
		-11.07	2.18e-03	-4.33e-06	0.0	59.1	2.48	5.62	-7.80e-03	0.0	2.18e-03	-7.01
94	304	-7.06	6.79e-03	1.42e-04	-2.49	0.0	2.54	8.10	-8.05e-03	0.0	6.79e-03	-11.10
		-11.10	2.04e-03	-5.91e-06	0.0	59.1	2.54	5.60	-8.05e-03	0.0	2.04e-03	-7.06
94	309	-7.03	6.79e-03	1.40e-04	-2.49	0.0	2.50	8.11	-7.89e-03	0.0	6.79e-03	-11.08
		-11.08	2.13e-03	-4.86e-06	0.0	59.1	2.50	5.61	-7.89e-03	0.0	2.13e-03	-7.03
94	310	-7.27	0.01	1.82e-04	-2.49	0.0	2.76	7.75	-0.01	0.0	0.01	-11.11
		-11.11	3.94e-03	-8.33e-06	0.0	59.1	2.76	5.26	-0.01	0.0	3.94e-03	-7.27
95	3	-5.77	7.68e-03	2.00e-04	-3.40	0.0	3.13	9.08	-0.03	0.0	7.68e-03	-10.13
		-10.13	-7.31e-03	-1.19e-05	0.0	59.1	3.13	5.68	-0.03	0.0	-7.31e-03	-5.77
95	4	-7.98	7.64e-03	2.23e-04	-4.83	0.0	4.13	12.74	-0.03	0.0	7.64e-03	-14.08
		-14.08	-7.86e-03	-1.25e-05	0.0	59.1	4.13	7.90	-0.03	0.0	-7.86e-03	-7.98
95	19	-3.55	2.30e-03	7.10e-05	-2.33	0.0	1.71	6.06	-9.02e-03	0.0	2.30e-03	-6.44
		-6.44	-3.03e-03	0.0	0.0	59.1	1.71	3.73	-9.02e-03	0.0	-3.03e-03	-3.55
95	35	-10.19	5.60e-03	2.31e-04	-6.27	0.0	5.11	16.45	-0.02	0.0	5.60e-03	-18.05
		-18.05	-6.33e-03	-1.79e-05	0.0	59.1	5.11	10.18	-0.02	0.0	-6.33e-03	-10.19
95	114	-2.67	0.03	6.91e-05	-2.49	0.0	1.41	4.70	-0.07	0.0	0.03	-4.73
		-4.73	-4.48e-03	4.51e-05	0.0	59.1	1.41	2.21	-0.07	0.0	-4.48e-03	-2.67
95	115	-5.51	-3.43e-03	1.71e-04	-2.49	0.0	2.86	8.55	0.04	0.0	-0.03	-9.80
		-9.80	-0.03	-6.08e-05	0.0	59.1	2.86	6.05	0.04	0.0	-3.43e-03	-5.51
95	121	-2.25	0.01	4.93e-05	-2.49	0.0	-0.44	4.68	-0.02	0.0	0.01	-4.28
		-4.28	-4.31e-04	-6.92e-05	0.0	59.1	-0.44	2.19	-0.02	0.0	-4.31e-04	-2.25
95	122	-1.87	0.03	3.79e-05	-2.49	0.0	-0.01	3.81	-0.05	0.0	0.03	-3.40
		-3.40	-6.37e-03	4.85e-05	0.0	59.1	-0.01	1.31	-0.05	0.0	-6.37e-03	-1.87
95	123	-6.31	-1.54e-03	2.02e-04	-2.49	0.0	4.29	9.44	0.03	0.0	-0.02	-11.13
		-11.13	-0.02	-6.41e-05	0.0	59.1	4.29	6.95	0.03	0.0	-1.54e-03	-6.31
95	124	-5.93	-4.99e-03	1.90e-04	-2.49	0.0	4.71	8.57	-3.33e-03	0.0	-4.99e-03	-10.26
		-10.26	-7.48e-03	5.36e-05	0.0	59.1	4.71	6.07	-3.33e-03	0.0	-7.48e-03	-5.93
95	146	-2.50	0.04	6.29e-05	-2.49	0.0	1.32	4.47	-0.08	0.0	0.04	-4.42
		-4.42	-4.54e-03	5.06e-05	0.0	59.1	1.32	1.98	-0.08	0.0	-4.54e-03	-2.50
95	147	-5.68	-3.37e-03	1.77e-04	-2.49	0.0	2.95	8.78	0.05	0.0	-0.03	-10.11
		-10.11	-0.03	-6.63e-05	0.0	59.1	2.95	6.29	0.05	0.0	-3.37e-03	-5.68

95	153	-2.03	0.01	4.06e-05	-2.49	0.0	-0.75	4.45	-0.02	0.0	0.01	-3.91
		-3.91	2.10e-05	-7.75e-05	0.0	59.1	-0.75	1.96	-0.02	0.0	2.10e-05	-2.03
95	154	-1.60	0.03	2.78e-05	-2.49	0.0	-0.28	3.46	-0.06	0.0	0.03	-2.93
		-2.93	-6.69e-03	5.60e-05	0.0	59.1	-0.28	0.97	-0.06	0.0	-6.69e-03	-1.60
95	155	-6.58	-1.22e-03	2.12e-04	-2.49	0.0	4.56	9.79	0.03	0.0	-0.02	-11.61
		-11.61	-0.02	-7.16e-05	0.0	59.1	4.56	7.30	0.03	0.0	-1.22e-03	-6.58
95	156	-6.15	-6.04e-03	1.99e-04	-2.49	0.0	5.03	8.80	-2.21e-03	0.0	-6.04e-03	-10.62
		-10.62	-7.93e-03	6.18e-05	0.0	59.1	5.03	6.31	-2.21e-03	0.0	-7.93e-03	-6.15
95	178	-2.55	0.04	6.45e-05	-2.49	0.0	1.35	4.53	-0.08	0.0	0.04	-4.51
		-4.51	-4.54e-03	4.43e-05	0.0	59.1	1.35	2.03	-0.08	0.0	-4.54e-03	-2.55
95	179	-5.63	-3.37e-03	1.75e-04	-2.49	0.0	2.92	8.72	0.05	0.0	-0.03	-10.02
		-10.02	-0.03	-5.99e-05	0.0	59.1	2.92	6.23	0.05	0.0	-3.37e-03	-5.63
95	185	-2.07	0.01	4.19e-05	-2.49	0.0	-0.70	4.54	-0.02	0.0	0.01	-4.01
		-4.01	3.97e-05	-8.05e-05	0.0	59.1	-0.70	2.05	-0.02	0.0	3.97e-05	-2.07
95	186	-1.66	0.03	2.93e-05	-2.49	0.0	-0.25	3.53	-0.06	0.0	0.03	-3.03
		-3.03	-6.83e-03	5.86e-05	0.0	59.1	-0.25	1.04	-0.06	0.0	-6.83e-03	-1.66
95	187	-6.52	-1.08e-03	2.11e-04	-2.49	0.0	4.52	9.72	0.03	0.0	-0.02	-11.51
		-11.51	-0.02	-7.43e-05	0.0	59.1	4.52	7.23	0.03	0.0	-1.08e-03	-6.52
95	188	-6.11	-5.51e-03	1.98e-04	-2.49	0.0	4.97	8.71	-3.26e-03	0.0	-5.51e-03	-10.52
		-10.52	-7.95e-03	6.48e-05	0.0	59.1	4.97	6.22	-3.26e-03	0.0	-7.95e-03	-6.11
95	210	-2.30	0.04	5.55e-05	-2.49	0.0	1.23	4.17	-0.09	0.0	0.04	-4.05
		-4.05	-4.67e-03	4.96e-05	0.0	59.1	1.23	1.68	-0.09	0.0	-4.67e-03	-2.30
95	211	-5.88	-3.23e-03	1.84e-04	-2.49	0.0	3.05	9.08	0.06	0.0	-0.03	-10.48
		-10.48	-0.03	-6.52e-05	0.0	59.1	3.05	6.59	0.06	0.0	-3.23e-03	-5.88
95	217	-1.75	0.01	2.93e-05	-2.49	0.0	-1.16	4.22	-0.02	0.0	0.01	-3.50
		-3.50	8.22e-04	-9.56e-05	0.0	59.1	-1.16	1.73	-0.02	0.0	8.22e-04	-1.75
95	218	-1.26	0.03	1.45e-05	-2.49	0.0	-0.64	3.02	-0.07	0.0	0.03	-2.33
		-2.33	-7.43e-03	7.23e-05	0.0	59.1	-0.64	0.52	-0.07	0.0	-7.43e-03	-1.26
95	219	-6.92	-4.77e-04	2.25e-04	-2.49	0.0	4.91	10.23	0.04	0.0	-0.02	-12.21
		-12.21	-0.02	-8.80e-05	0.0	59.1	4.91	7.74	0.04	0.0	-4.77e-04	-6.92
95	220	-6.43	-6.74e-03	2.10e-04	-2.49	0.0	5.43	9.03	-2.36e-03	0.0	-6.74e-03	-11.04
		-11.04	-8.73e-03	8.00e-05	0.0	59.1	5.43	6.53	-2.36e-03	0.0	-8.73e-03	-6.43
95	243	-4.19	5.28e-03	1.41e-04	-2.49	0.0	2.25	6.65	-0.02	0.0	5.28e-03	-7.38
		-7.38	-5.08e-03	-8.39e-06	0.0	59.1	2.25	4.16	-0.02	0.0	-5.08e-03	-4.19
95	244	-5.66	5.25e-03	1.55e-04	-3.45	0.0	2.92	9.09	-0.02	0.0	5.25e-03	-10.01
		-10.01	-5.45e-03	-8.79e-06	0.0	59.1	2.92	5.64	-0.02	0.0	-5.45e-03	-5.66
95	248	-3.84	2.37e-03	7.98e-05	-2.49	0.0	1.87	6.50	-9.15e-03	0.0	2.37e-03	-6.95
		-6.95	-3.03e-03	-1.93e-06	0.0	59.1	1.87	4.01	-9.15e-03	0.0	-3.03e-03	-3.84
95	259	-7.13	3.90e-03	1.61e-04	-4.41	0.0	3.57	11.56	-0.01	0.0	3.90e-03	-12.66
		-12.66	-4.43e-03	-1.23e-05	0.0	59.1	3.57	7.16	-0.01	0.0	-4.43e-03	-7.13
95	298	-4.12	4.24e-03	1.26e-04	-2.49	0.0	2.17	6.64	-0.01	0.0	4.24e-03	-7.31
		-7.31	-4.17e-03	-8.37e-06	0.0	59.1	2.17	4.15	-0.01	0.0	-4.17e-03	-4.12
95	301	-4.68	3.92e-03	1.26e-04	-2.87	0.0	2.40	7.60	-0.01	0.0	3.92e-03	-8.32
		-8.32	-4.10e-03	-7.98e-06	0.0	59.1	2.40	4.72	-0.01	0.0	-4.10e-03	-4.68
95	302	-3.89	2.18e-03	8.36e-05	-2.49	0.0	1.91	6.53	-8.28e-03	0.0	2.18e-03	-7.01
		-7.01	-2.71e-03	-4.05e-06	0.0	59.1	1.91	4.04	-8.28e-03	0.0	-2.71e-03	-3.89
95	309	-3.90	2.13e-03	8.45e-05	-2.49	0.0	1.92	6.54	-8.06e-03	0.0	2.13e-03	-7.03
		-7.03	-2.63e-03	-4.59e-06	0.0	59.1	1.92	4.05	-8.06e-03	0.0	-2.63e-03	-3.90
95	310	-4.09	3.94e-03	1.20e-04	-2.49	0.0	2.14	6.62	-0.01	0.0	3.94e-03	-7.27
		-7.27	-3.95e-03	-7.83e-06	0.0	59.1	2.14	4.13	-0.01	0.0	-3.95e-03	-4.09
96	4	-4.79	-1.37e-03	1.96e-04	-4.83	0.0	3.47	7.83	0.01	0.0	-7.86e-03	-7.98
		-7.98	-7.86e-03	-1.35e-05	0.0	59.1	3.47	2.99	0.01	0.0	-1.37e-03	-4.79
96	19	-2.05	-6.05e-04	6.13e-05	-2.33	0.0	1.42	3.70	4.10e-03	0.0	-3.03e-03	-3.55
		-3.55	-3.03e-03	0.0	0.0	59.1	1.42	1.37	4.10e-03	0.0	-6.05e-04	-2.05
96	35	-5.89	-1.25e-03	1.95e-04	-6.27	0.0	4.23	10.41	8.60e-03	0.0	-6.33e-03	-10.19
		-10.19	-6.33e-03	-1.87e-05	0.0	59.1	4.23	4.14	8.60e-03	0.0	-1.25e-03	-5.89
96	45	-2.11	-2.96e-04	7.90e-05	-2.33	0.0	1.56	4.01	1.53e-03	0.0	-1.20e-03	-3.79
		-3.79	-1.20e-03	-1.24e-05	0.0	59.1	1.56	1.67	1.53e-03	0.0	-2.96e-04	-2.11
96	121	-1.65	-4.31e-04	5.63e-05	-2.49	0.0	-0.24	2.12	-1.25e-03	0.0	-4.31e-04	-2.25
		-2.25	-1.33e-03	-6.98e-05	0.0	59.1	-0.24	-0.37	-1.25e-03	0.0	-1.33e-03	-1.65
96	123	-3.05	-1.13e-03	1.67e-04	-2.49	0.0	3.47	6.67	6.10e-04	0.0	-1.54e-03	-6.31
		-6.31	-1.54e-03	-6.41e-05	0.0	59.1	3.47	4.18	6.10e-04	0.0	-1.13e-03	-3.05
96	124	-3.22	-5.98e-05	1.58e-04	-2.49	0.0	3.80	5.97	0.01	0.0	-7.48e-03	-5.93
		-5.93	-7.48e-03	5.32e-05	0.0	59.1	3.80	3.48	0.01	0.0	-5.98e-05	-3.22
96	125	-1.58	-2.36e-04	5.22e-05	-2.49	0.0	-0.16	1.97	-1.56e-03	0.0	-2.36e-04	-1.98
		-1.98	-1.30e-03	-3.42e-05	0.0	59.1	-0.16	-0.53	-1.56e-03	0.0	-1.30e-03	-1.63
96	137	-1.93	7.33e-03	9.97e-05	-2.49	0.0	1.25	4.29	-0.02	0.0	7.33e-03	-3.44
		-3.44	-2.52e-03	-9.01e-05	0.0	59.1	1.25	1.80	-0.02	0.0	-2.52e-03	-1.93
96	140	-2.94	1.13e-03	1.14e-04	-2.49	0.0	2.31	3.80	0.03	0.0	-0.02	-4.74
		-4.74	-0.02	7.35e-05	0.0	59.1	2.31	1.31	0.03	0.0	1.13e-03	-2.94
96	153	-1.53	2.10e-05	5.00e-05	-2.49	0.0	-0.49	1.88	-2.13e-03	0.0	2.10e-05	-2.03
		-2.03	-1.42e-03	-7.80e-05	0.0	59.1	-0.49	-0.61	-2.13e-03	0.0	-1.42e-03	-1.56
96	155	-3.12	-1.19e-03	1.75e-04	-2.49	0.0	3.69	7.00	-4.77e-05	0.0	-1.22e-03	-6.58
		-6.58	-1.22e-03	-7.16e-05	0.0	59.1	3.69	4.51	-4.77e-05	0.0	-1.19e-03	-3.12
96	156	-3.32	2.38e-05	1.64e-04	-2.49	0.0	4.05	6.21	0.01	0.0	-7.93e-03	-6.15

		-6.15	-7.93e-03	6.14e-05	0.0	59.1	4.05	3.72	0.01	0.0	2.38e-05	-3.32
96	157	-1.43	2.39e-04	4.54e-05	-2.49	0.0	-0.40	1.71	-2.47e-03	0.0	2.39e-04	-1.72
		-1.72	-1.38e-03	-3.77e-05	0.0	59.1	-0.40	-0.78	-2.47e-03	0.0	-1.38e-03	-1.53
96	169	-1.86	8.79e-03	9.87e-05	-2.49	0.0	1.19	4.32	-0.02	0.0	8.79e-03	-3.37
		-3.37	-2.76e-03	-1.01e-04	0.0	59.1	1.19	1.83	-0.02	0.0	-2.76e-03	-1.86
96	172	-3.01	1.37e-03	1.15e-04	-2.49	0.0	2.37	3.77	0.03	0.0	-0.02	-4.81
		-4.81	-0.02	8.48e-05	0.0	59.1	2.37	1.27	0.03	0.0	1.37e-03	-3.01
96	185	-1.56	3.97e-05	5.10e-05	-2.49	0.0	-0.44	1.94	-2.23e-03	0.0	3.97e-05	-2.07
		-2.07	-1.44e-03	-8.09e-05	0.0	59.1	-0.44	-0.55	-2.23e-03	0.0	-1.44e-03	-1.58
96	187	-3.10	-1.08e-03	1.74e-04	-2.49	0.0	3.66	6.95	-3.24e-04	0.0	-1.08e-03	-6.52
		-6.52	-1.22e-03	-7.42e-05	0.0	59.1	3.66	4.46	-3.24e-04	0.0	-1.22e-03	-3.10
96	188	-3.29	4.30e-05	1.63e-04	-2.49	0.0	4.01	6.15	0.01	0.0	-7.95e-03	-6.11
		-6.11	-7.95e-03	6.43e-05	0.0	59.1	4.01	3.66	0.01	0.0	4.30e-05	-3.29
96	189	-1.46	2.41e-04	4.63e-05	-2.49	0.0	-0.36	1.76	-2.53e-03	0.0	2.41e-04	-1.78
		-1.78	-1.39e-03	-3.87e-05	0.0	59.1	-0.36	-0.73	-2.53e-03	0.0	-1.39e-03	-1.55
96	201	-1.86	9.02e-03	9.87e-05	-2.49	0.0	1.22	4.34	-0.02	0.0	9.02e-03	-3.41
		-3.41	-2.81e-03	-1.07e-04	0.0	59.1	1.22	1.85	-0.02	0.0	-2.81e-03	-1.86
96	204	-3.01	1.42e-03	1.15e-04	-2.49	0.0	2.34	3.75	0.03	0.0	-0.02	-4.77
		-4.77	-0.02	9.05e-05	0.0	59.1	2.34	1.26	0.03	0.0	1.42e-03	-3.01
96	217	-1.38	8.22e-04	4.21e-05	-2.49	0.0	-0.80	1.61	-3.77e-03	0.0	8.22e-04	-1.75
		-1.75	-1.58e-03	-9.61e-05	0.0	59.1	-0.80	-0.88	-3.77e-03	0.0	-1.58e-03	-1.44
96	219	-3.21	-4.77e-04	1.85e-04	-2.49	0.0	3.97	7.44	-1.55e-03	0.0	-4.77e-04	-6.92
		-6.92	-1.33e-03	-8.78e-05	0.0	59.1	3.97	4.95	-1.55e-03	0.0	-1.33e-03	-3.21
96	220	-3.43	1.90e-04	1.72e-04	-2.49	0.0	4.37	6.48	0.01	0.0	-8.73e-03	-6.43
		-6.43	-8.73e-03	7.94e-05	0.0	59.1	4.37	3.99	0.01	0.0	1.90e-04	-3.43
96	221	-1.22	1.02e-03	3.64e-05	-2.49	0.0	-0.71	1.40	-4.02e-03	0.0	1.02e-03	-1.41
		-1.41	-1.52e-03	-4.47e-05	0.0	59.1	-0.71	-1.10	-4.02e-03	0.0	-1.52e-03	-1.40
96	233	-1.75	0.01	9.72e-05	-2.49	0.0	1.14	4.40	-0.02	0.0	0.01	-3.30
		-3.30	-3.22e-03	-1.28e-04	0.0	59.1	1.14	1.91	-0.02	0.0	-3.22e-03	-1.75
96	236	-3.12	1.82e-03	1.17e-04	-2.49	0.0	2.43	3.69	0.04	0.0	-0.02	-4.88
		-4.88	-0.02	1.11e-04	0.0	59.1	2.43	1.20	0.04	0.0	1.82e-03	-3.12
96	244	-3.38	-9.62e-04	1.37e-04	-3.45	0.0	2.45	5.58	7.60e-03	0.0	-5.45e-03	-5.66
		-5.66	-5.45e-03	-9.48e-06	0.0	59.1	2.45	2.13	7.60e-03	0.0	-9.62e-04	-3.38
96	248	-2.22	-6.08e-04	6.86e-05	-2.49	0.0	1.55	4.00	4.11e-03	0.0	-3.03e-03	-3.84
		-3.84	-3.03e-03	-2.32e-06	0.0	59.1	1.55	1.51	4.11e-03	0.0	-6.08e-04	-2.22
96	259	-4.12	-8.79e-04	1.36e-04	-4.41	0.0	2.95	7.31	6.01e-03	0.0	-4.43e-03	-7.13
		-7.13	-4.43e-03	-1.29e-05	0.0	59.1	2.95	2.90	6.01e-03	0.0	-8.79e-04	-4.12
96	261	-2.26	-4.02e-04	8.04e-05	-2.49	0.0	1.64	4.20	2.40e-03	0.0	-1.82e-03	-4.00
		-4.00	-1.82e-03	-1.01e-05	0.0	59.1	1.64	1.71	2.40e-03	0.0	-4.02e-04	-2.26
96	298	-2.47	-7.23e-04	1.13e-04	-2.49	0.0	1.82	4.04	5.84e-03	0.0	-4.17e-03	-4.12
		-4.12	-4.17e-03	-8.89e-06	0.0	59.1	1.82	1.55	5.84e-03	0.0	-7.23e-04	-2.47
96	301	-2.76	-7.44e-04	1.11e-04	-2.87	0.0	2.00	4.68	5.68e-03	0.0	-4.10e-03	-4.68
		-4.68	-4.10e-03	-8.50e-06	0.0	59.1	2.00	1.81	5.68e-03	0.0	-7.44e-04	-2.76
96	302	-2.23	-5.53e-04	7.18e-05	-2.49	0.0	1.57	4.05	3.65e-03	0.0	-2.71e-03	-3.89
		-3.89	-2.71e-03	-4.40e-06	0.0	59.1	1.57	1.56	3.65e-03	0.0	-5.53e-04	-2.23
96	304	-2.24	-5.12e-04	7.41e-05	-2.49	0.0	1.59	4.09	3.31e-03	0.0	-2.47e-03	-3.92
		-3.92	-2.47e-03	-5.96e-06	0.0	59.1	1.59	1.60	3.31e-03	0.0	-5.12e-04	-2.24
96	309	-2.23	-5.40e-04	7.25e-05	-2.49	0.0	1.58	4.07	3.54e-03	0.0	-2.63e-03	-3.90
		-3.90	-2.63e-03	-4.92e-06	0.0	59.1	1.58	1.57	3.54e-03	0.0	-5.40e-04	-2.23
96	310	-2.44	-6.97e-04	1.07e-04	-2.49	0.0	1.78	4.05	5.51e-03	0.0	-3.95e-03	-4.09
		-4.09	-3.95e-03	-8.32e-06	0.0	59.1	1.78	1.55	5.51e-03	0.0	-6.97e-04	-2.44
97	22	-1.42	0.02	-1.54e-04	-10.64	0.0	-0.60	10.08	0.04	1.22e-03	-4.74e-03	-4.01
		-4.01	-4.74e-03	1.00e-06	0.0	54.4	-0.60	-0.55	0.04	1.22e-03	0.02	-1.42
97	28	-2.34	0.03	-2.26e-04	-16.37	0.0	-1.38	15.18	0.05	1.16e-03	4.25e-03	-6.16
		-6.16	4.25e-03	-6.36e-06	0.0	54.4	-1.38	-1.19	0.05	1.16e-03	0.03	-2.36
97	69	-0.32	0.01	-1.03e-04	-5.33	0.0	0.76	6.23	0.01	3.36e-04	3.43e-03	-2.26
		-2.26	3.43e-03	0.0	0.0	54.4	0.76	0.90	0.01	3.36e-04	0.01	-0.32
97	92	-2.11	0.02	-1.92e-04	-14.09	0.0	-1.52	12.95	0.05	1.32e-03	-2.23e-03	-5.34
		-5.34	-2.23e-03	-2.37e-06	0.0	54.4	-1.52	-1.15	0.05	1.32e-03	0.02	-2.14
97	113	0.45	1.94	-5.56e-05	-9.17	0.0	-3.31	6.03	3.33	0.02	-0.06	-1.13
		-1.13	-0.06	-7.50e-05	0.0	54.4	-3.31	-3.14	3.33	0.02	1.94	0.34
97	116	-2.72	0.06	-2.00e-04	-9.17	0.0	2.18	11.27	-3.27	-0.02	0.06	-5.67
		-5.67	-1.91	7.21e-05	0.0	54.4	2.18	2.10	-3.27	-0.02	-1.91	-2.72
97	138	-2.88	0.34	1.51e-05	-9.17	0.0	-13.58	1.64	0.65	0.01	-0.03	-3.05
		-4.25	-0.03	9.38e-06	0.0	54.4	-13.58	-7.53	0.65	0.01	0.34	-4.25
97	139	1.87	0.03	-2.71e-04	-9.17	0.0	12.45	15.67	-0.59	-0.01	0.03	-3.75
		-3.75	-0.31	-1.23e-05	0.0	54.4	12.45	6.50	-0.59	-0.01	-0.31	1.87
97	141	2.67	0.71	-2.33e-04	-9.17	0.0	11.55	14.44	1.34	3.95e-03	-2.63e-03	-2.52
		-2.52	-2.63e-03	-2.28e-05	0.0	54.4	11.55	5.27	1.34	3.95e-03	0.71	2.67
97	145	0.66	2.17	-4.71e-05	-9.17	0.0	-3.62	5.72	3.72	0.02	-0.07	-0.85
		-0.85	-0.07	-8.44e-05	0.0	54.4	-3.62	-3.44	3.72	0.02	2.17	0.54
97	148	-2.92	0.06	-2.09e-04	-9.17	0.0	2.49	11.58	-3.66	-0.02	0.06	-5.95
		-5.95	-2.14	8.15e-05	0.0	54.4	2.49	2.41	-3.66	-0.02	-2.14	-2.92
97	170	-2.94	0.38	3.36e-05	-9.17	0.0	-15.27	0.73	0.72	0.02	-0.03	-3.01
		-4.65	-0.03	1.10e-05	0.0	54.4	-15.27	-8.44	0.72	0.02	0.38	-4.65

97	171	2.27	0.03	-2.89e-04	-9.17	0.0	14.13	16.57	-0.66	-0.01	0.03	-3.79
		-3.79	-0.35	-1.39e-05	0.0	54.4	14.13	7.40	-0.66	-0.01	-0.35	2.27
97	173	3.18	0.80	-2.47e-04	-9.17	0.0	13.13	15.19	1.50	4.31e-03	-2.96e-03	-2.41
		-2.41	-2.96e-03	-2.57e-05	0.0	54.4	13.13	6.02	1.50	4.31e-03	0.80	3.18
97	177	0.66	2.08	-4.98e-05	-9.17	0.0	-3.40	5.85	3.55	0.02	-0.06	-0.89
		-0.89	-0.06	-8.54e-05	0.0	54.4	-3.40	-3.32	3.55	0.02	2.08	0.55
97	180	-2.93	0.06	-2.06e-04	-9.17	0.0	2.26	11.45	-3.49	-0.02	0.06	-5.91
		-5.91	-2.05	8.25e-05	0.0	54.4	2.26	2.28	-3.49	-0.02	-2.05	-2.93
97	202	-2.96	0.35	3.56e-05	-9.17	0.0	-15.52	0.62	0.68	0.01	-0.03	-3.02
		-4.74	-0.03	1.20e-05	0.0	54.4	-15.52	-8.55	0.68	0.01	0.35	-4.74
97	203	2.37	0.03	-2.91e-04	-9.17	0.0	14.39	16.68	-0.62	-0.01	0.03	-3.78
		-3.78	-0.32	-1.49e-05	0.0	54.4	14.39	7.51	-0.62	-0.01	-0.32	2.37
97	205	3.26	0.77	-2.50e-04	-9.17	0.0	13.42	15.35	1.44	4.00e-03	-3.14e-03	-2.42
		-2.42	-3.14e-03	-2.68e-05	0.0	54.4	13.42	6.18	1.44	4.00e-03	0.77	3.26
97	209	1.01	2.42	-3.92e-05	-9.17	0.0	-3.76	5.44	4.12	0.03	-0.07	-0.46
		-0.46	-0.07	-1.01e-04	0.0	54.4	-3.76	-3.73	4.12	0.03	2.42	0.88
97	212	-3.26	0.07	-2.18e-04	-9.17	0.0	2.63	11.86	-4.06	-0.02	0.07	-6.34
		-6.34	-2.39	9.81e-05	0.0	54.4	2.63	2.69	-4.06	-0.02	-2.39	-3.26
97	234	-2.96	0.40	6.55e-05	-9.17	0.0	-18.29	-0.85	0.78	0.02	-0.04	-2.96
		-5.42	-0.04	1.50e-05	0.0	54.4	-18.29	-10.02	0.78	0.02	0.40	-5.42
97	235	3.04	0.04	-3.21e-04	-9.17	0.0	17.16	18.16	-0.72	-0.02	0.04	-3.84
		-3.84	-0.37	-1.80e-05	0.0	54.4	17.16	8.99	-0.72	-0.02	-0.37	3.04
97	237	4.08	0.89	-2.73e-04	-9.17	0.0	16.04	16.61	1.68	4.44e-03	-3.52e-03	-2.26
		-2.26	-3.52e-03	-3.20e-05	0.0	54.4	16.04	7.44	1.68	4.44e-03	0.89	4.08
97	240	-4.51	2.98e-03	1.75e-05	-9.17	0.0	-17.17	0.70	-1.62	-2.85e-03	2.98e-03	-4.55
		-6.46	-0.86	2.91e-05	0.0	54.4	-17.17	-8.47	-1.62	-2.85e-03	-0.86	-6.46
97	251	-1.26	0.02	-1.40e-04	-9.68	0.0	-0.53	9.25	0.03	1.03e-03	-3.09e-03	-3.66
		-3.66	-3.09e-03	0.0	0.0	54.4	-0.53	-0.43	0.03	1.03e-03	0.02	-1.26
97	256	-1.63	0.02	-1.58e-04	-11.19	0.0	-0.96	10.47	0.03	8.04e-04	2.76e-03	-4.29
		-4.29	2.76e-03	-4.32e-06	0.0	54.4	-0.96	-0.72	0.03	8.04e-04	0.02	-1.64
97	273	-0.52	0.01	-1.06e-04	-6.14	0.0	0.38	6.68	0.02	4.39e-04	2.35e-03	-2.49
		-2.49	2.35e-03	0.0	0.0	54.4	0.38	0.54	0.02	4.39e-04	0.01	-0.52
97	288	-1.48	0.02	-1.35e-04	-9.68	0.0	-1.05	8.98	0.03	9.10e-04	-1.56e-03	-3.75
		-3.75	-1.56e-03	-1.66e-06	0.0	54.4	-1.05	-0.69	0.03	9.10e-04	0.02	-1.49
97	298	-1.24	0.02	-1.33e-04	-9.68	0.0	-0.60	9.07	0.03	8.42e-04	-3.12e-04	-3.55
		-3.55	-3.12e-04	-1.55e-06	0.0	54.4	-0.60	-0.61	0.03	8.42e-04	0.02	-1.25
97	303	-1.16	0.02	-1.28e-04	-9.17	0.0	-0.53	8.65	0.03	8.30e-04	-8.13e-04	-3.38
		-3.38	-8.13e-04	-1.06e-06	0.0	54.4	-0.53	-0.52	0.03	8.30e-04	0.02	-1.17
97	305	-1.22	0.02	-1.28e-04	-9.17	0.0	-0.63	8.65	0.03	7.32e-04	8.17e-04	-3.43
		-3.43	8.17e-04	-2.25e-06	0.0	54.4	-0.63	-0.52	0.03	7.32e-04	0.02	-1.22
97	306	-0.75	9.85e-03	-9.70e-05	-6.14	0.0	-0.22	6.27	0.02	5.11e-04	4.56e-04	-2.50
		-2.50	4.56e-04	0.0	0.0	54.4	-0.22	0.13	0.02	5.11e-04	9.85e-03	-0.75
97	309	-0.81	9.49e-03	-9.47e-05	-6.14	0.0	-0.37	6.17	0.02	5.29e-04	-1.83e-05	-2.50
		-2.50	-1.83e-05	0.0	0.0	54.4	-0.37	0.03	0.02	5.29e-04	9.49e-03	-0.81
97	310	-1.18	0.02	-1.28e-04	-9.17	0.0	-0.57	8.65	0.03	7.97e-04	-2.70e-04	-3.40
		-3.40	-2.70e-04	-1.45e-06	0.0	54.4	-0.57	-0.52	0.03	7.97e-04	0.02	-1.19
98	19	-1.66	-9.70e-04	-3.88e-05	-5.33	0.0	0.04	2.23	-5.84e-03	-4.74e-05	-9.70e-04	-1.91
		-2.15	-4.15e-03	2.63e-06	0.0	54.4	0.04	-3.10	-5.84e-03	-4.74e-05	-4.15e-03	-2.15
98	22	-3.01	-1.37e-03	-7.05e-05	-10.64	0.0	-0.16	4.38	-6.01e-03	-4.92e-04	-1.37e-03	-3.50
		-4.01	-4.65e-03	1.56e-06	0.0	54.4	-0.16	-6.26	-6.01e-03	-4.92e-04	-4.65e-03	-4.01
98	28	-4.66	4.36e-03	-1.03e-04	-16.37	0.0	-0.41	6.85	0.01	-1.21e-03	-1.33e-03	-5.44
		-6.16	-1.33e-03	-6.80e-06	0.0	54.4	-0.41	-9.52	0.01	-1.21e-03	4.36e-03	-6.16
98	41	-2.93	8.28e-03	-5.97e-05	-8.79	0.0	-0.23	3.74	0.02	-7.37e-04	-6.00e-04	-3.37
		-3.72	-6.00e-04	-8.09e-06	0.0	54.4	-0.23	-5.05	0.02	-7.37e-04	8.28e-03	-3.72
98	65	-2.67	3.70e-03	-6.91e-05	-8.79	0.0	0.66	3.74	8.21e-03	-5.16e-04	-7.38e-04	-3.10
		-3.46	-7.38e-04	-1.60e-06	0.0	54.4	0.66	-5.05	8.21e-03	-5.16e-04	3.70e-03	-3.46
98	96	-3.15	-1.30e-03	-6.57e-05	-10.64	0.0	-0.60	4.38	-1.93e-03	-6.03e-04	-1.30e-03	-3.63
		-4.15	-2.36e-03	-1.68e-06	0.0	54.4	-0.60	-6.26	-1.93e-03	-6.03e-04	-2.36e-03	-4.15
98	114	-0.39	-8.21e-03	-1.74e-05	-9.17	0.0	-1.16	4.00	-0.11	0.02	-8.21e-03	-0.70
		-1.42	-0.07	-2.21e-05	0.0	54.4	-1.16	-5.17	-0.11	0.02	-0.07	-1.42
98	115	-4.73	0.07	-1.07e-04	-9.17	0.0	0.92	3.74	0.11	-0.02	6.25e-03	-5.33
		-5.38	6.25e-03	1.93e-05	0.0	54.4	0.92	-5.43	0.11	-0.02	0.07	-5.38
98	116	-4.71	0.06	-8.56e-05	-9.17	0.0	0.59	3.56	0.10	-9.29e-03	5.41e-03	-5.06
		-5.67	5.41e-03	6.16e-05	0.0	54.4	0.59	-5.60	0.10	-9.29e-03	0.06	-5.67
98	118	-0.39	-8.12e-03	-1.33e-05	-9.17	0.0	-1.26	3.92	-0.11	0.02	-8.12e-03	-0.74
		-1.36	-0.07	-3.52e-05	0.0	54.4	-1.26	-5.25	-0.11	0.02	-0.07	-1.36
98	138	-1.82	-4.12e-03	1.34e-05	-9.17	0.0	-1.27	3.36	-0.05	0.01	-4.12e-03	-2.03
		-3.05	-0.03	1.28e-05	0.0	54.4	-1.27	-5.81	-0.05	0.01	-0.03	-3.05
98	139	-3.24	0.03	-1.30e-04	-9.17	0.0	1.02	4.39	0.05	-0.01	2.15e-03	-4.00
		-4.00	2.15e-03	-1.56e-05	0.0	54.4	1.02	-4.78	0.05	-0.01	0.03	-3.75
98	146	-0.12	-9.09e-03	-1.43e-05	-9.17	0.0	-1.28	4.02	-0.12	0.02	-9.09e-03	-0.42
		-1.18	-0.07	-2.45e-05	0.0	54.4	-1.28	-5.15	-0.12	0.02	-0.07	-1.18
98	147	-4.99	0.07	-1.13e-04	-9.17	0.0	1.04	3.73	0.12	-0.02	7.12e-03	-5.61
		-5.62	7.12e-03	2.17e-05	0.0	54.4	1.04	-5.44	0.12	-0.02	0.07	-5.62
98	148	-4.97	0.07	-8.88e-05	-9.17	0.0	0.66	3.53	0.11	-0.01	6.18e-03	-5.32

		-5.95	6.18e-03	6.97e-05	0.0	54.4	0.66	-5.64	0.11	-0.01	0.07	-5.95
98	150	-0.12	-8.98e-03	-1.02e-05	-9.17	0.0	-1.39	3.92	-0.12	0.02	-8.98e-03	-0.46
		-1.11	-0.07	-3.94e-05	0.0	54.4	-1.39	-5.25	-0.12	0.02	-0.07	-1.11
98	170	-1.72	-4.49e-03	2.26e-05	-9.17	0.0	-1.40	3.29	-0.05	0.01	-4.49e-03	-1.91
		-3.01	-0.03	1.48e-05	0.0	54.4	-1.40	-5.88	-0.05	0.01	-0.03	-3.01
98	171	-3.32	0.03	-1.39e-04	-9.17	0.0	1.15	4.46	0.06	-0.01	2.53e-03	-4.12
		-4.12	2.53e-03	-1.76e-05	0.0	54.4	1.15	-4.71	0.06	-0.01	0.03	-3.79
98	178	-0.16	-8.82e-03	-1.47e-05	-9.17	0.0	-1.17	4.01	-0.12	0.02	-8.82e-03	-0.46
		-1.22	-0.07	-2.35e-05	0.0	54.4	-1.17	-5.16	-0.12	0.02	-0.07	-1.22
98	179	-4.95	0.07	-1.12e-04	-9.17	0.0	0.92	3.74	0.12	-0.02	6.86e-03	-5.57
		-5.58	6.86e-03	2.07e-05	0.0	54.4	0.92	-5.43	0.12	-0.02	0.07	-5.58
98	180	-4.93	0.06	-8.74e-05	-9.17	0.0	0.57	3.55	0.11	-8.46e-03	5.92e-03	-5.28
		-5.91	5.92e-03	7.09e-05	0.0	54.4	0.57	-5.62	0.11	-8.46e-03	0.06	-5.91
98	182	-0.16	-8.70e-03	-1.04e-05	-9.17	0.0	-1.27	3.90	-0.12	0.02	-8.70e-03	-0.50
		-1.15	-0.07	-3.92e-05	0.0	54.4	-1.27	-5.27	-0.12	0.02	-0.07	-1.15
98	202	-1.74	-4.36e-03	2.39e-05	-9.17	0.0	-1.30	3.28	-0.05	0.01	-4.36e-03	-1.93
		-3.02	-0.03	1.57e-05	0.0	54.4	-1.30	-5.89	-0.05	0.01	-0.03	-3.02
98	203	-3.31	0.03	-1.40e-04	-9.17	0.0	1.06	4.47	0.05	-0.01	2.40e-03	-4.10
		-4.10	2.40e-03	-1.85e-05	0.0	54.4	1.06	-4.70	0.05	-0.01	0.03	-3.78
98	210	0.25	-0.01	-1.07e-05	-9.17	0.0	-1.34	4.03	-0.14	0.02	-0.01	-0.03
		-0.86	-0.08	-2.65e-05	0.0	54.4	-1.34	-5.14	-0.14	0.02	-0.08	-0.86
98	211	-5.35	0.08	-1.21e-04	-9.17	0.0	1.09	3.72	0.14	-0.02	8.15e-03	-6.00
		-6.00	8.15e-03	2.36e-05	0.0	54.4	1.09	-5.45	0.14	-0.02	0.08	-5.94
98	212	-5.32	0.08	-9.16e-05	-9.17	0.0	0.67	3.49	0.13	-9.43e-03	7.05e-03	-5.65
		-6.34	7.05e-03	8.46e-05	0.0	54.4	0.67	-5.68	0.13	-9.43e-03	0.08	-6.34
98	234	-1.59	-4.92e-03	3.90e-05	-9.17	0.0	-1.50	3.17	-0.06	0.02	-4.92e-03	-1.76
		-2.96	-0.04	1.94e-05	0.0	54.4	-1.50	-6.00	-0.06	0.02	-0.04	-2.96
98	235	-3.42	0.04	-1.55e-04	-9.17	0.0	1.26	4.58	0.06	-0.02	2.95e-03	-4.27
		-4.27	2.95e-03	-2.22e-05	0.0	54.4	1.26	-4.59	0.06	-0.02	0.04	-3.84
98	248	-1.86	-9.23e-04	-4.28e-05	-6.14	0.0	0.02	2.59	-3.22e-03	-1.27e-04	-9.23e-04	-2.16
		-2.42	-2.69e-03	1.41e-06	0.0	54.4	0.02	-3.55	-3.22e-03	-1.27e-04	-2.69e-03	-2.42
98	251	-2.76	-1.19e-03	-6.39e-05	-9.68	0.0	-0.11	4.02	-3.34e-03	-4.23e-04	-1.19e-03	-3.22
		-3.66	-3.01e-03	0.0	0.0	54.4	-0.11	-5.65	-3.34e-03	-4.23e-04	-3.01e-03	-3.66
98	256	-3.26	2.84e-03	-7.16e-05	-11.19	0.0	-0.29	4.67	7.03e-03	-8.28e-04	-9.74e-04	-3.79
		-4.29	-9.74e-04	-4.60e-06	0.0	54.4	-0.29	-6.52	7.03e-03	-8.28e-04	2.84e-03	-4.29
98	261	-2.11	5.45e-03	-4.28e-05	-6.14	0.0	-0.17	2.60	0.01	-5.16e-04	-4.86e-04	-2.41
		-2.66	-4.86e-04	-5.46e-06	0.0	54.4	-0.17	-3.54	0.01	-5.16e-04	5.45e-03	-2.66
98	273	-1.93	2.40e-03	-4.91e-05	-6.14	0.0	0.42	2.60	5.50e-03	-3.69e-04	-5.78e-04	-2.23
		-2.49	-5.78e-04	-1.14e-06	0.0	54.4	0.42	-3.54	5.50e-03	-3.69e-04	2.40e-03	-2.49
98	288	-2.85	-1.15e-03	-6.08e-05	-9.68	0.0	-0.40	4.02	-6.13e-04	-4.97e-04	-1.15e-03	-3.30
		-3.75	-1.49e-03	-1.46e-06	0.0	54.4	-0.40	-5.65	-6.13e-04	-4.97e-04	-1.49e-03	-3.75
98	298	-2.67	-2.40e-04	-6.06e-05	-9.68	0.0	-0.14	4.09	1.45e-03	-5.35e-04	-1.02e-03	-3.14
		-3.55	-1.02e-03	-1.49e-06	0.0	54.4	-0.14	-5.59	1.45e-03	-5.35e-04	-2.40e-04	-3.55
98	302	-1.93	-5.16e-04	-4.28e-05	-6.14	0.0	-0.03	2.59	5.58e-04	-2.30e-04	-8.06e-04	-2.22
		-2.48	-8.06e-04	0.0	0.0	54.4	-0.03	-3.54	5.58e-04	-2.30e-04	-5.16e-04	-2.48
98	304	-1.98	1.11e-03	-4.28e-05	-6.14	0.0	-0.07	2.59	3.39e-03	-3.08e-04	-7.19e-04	-2.27
		-2.53	-7.19e-04	-1.80e-06	0.0	54.4	-0.07	-3.54	3.39e-03	-3.08e-04	1.11e-03	-2.53
98	305	-2.60	8.82e-04	-5.81e-05	-9.17	0.0	-0.15	3.88	3.35e-03	-5.47e-04	-9.24e-04	-3.05
		-3.43	-9.24e-04	-2.32e-06	0.0	54.4	-0.15	-5.29	3.35e-03	-5.47e-04	8.82e-04	-3.43
98	306	-1.94	5.00e-04	-4.41e-05	-6.14	0.0	0.05	2.59	2.30e-03	-2.79e-04	-7.37e-04	-2.24
		-2.50	-7.37e-04	0.0	0.0	54.4	0.05	-3.54	2.30e-03	-2.79e-04	5.00e-04	-2.50
98	309	-1.94	2.60e-05	-4.28e-05	-6.14	0.0	-0.04	2.59	1.50e-03	-2.56e-04	-7.77e-04	-2.24
		-2.50	-7.77e-04	0.0	0.0	54.4	-0.04	-3.54	1.50e-03	-2.56e-04	2.60e-05	-2.50
98	310	-2.57	-2.02e-04	-5.81e-05	-9.17	0.0	-0.12	3.87	1.46e-03	-4.95e-04	-9.82e-04	-3.01
		-3.40	-9.82e-04	-1.41e-06	0.0	54.4	-0.12	-5.30	1.46e-03	-4.95e-04	-2.02e-04	-3.40
99	4	2.80	0.04	4.49e-04	-12.06	0.0	-3.13	-15.62	-0.09	0.0	0.04	2.80
		-8.26	-5.50e-03	-2.27e-06	0.0	51.1	-3.13	-27.68	-0.09	0.0	-5.50e-03	-8.26
99	11	2.68	0.04	4.24e-04	-9.92	0.0	-2.89	-15.45	-0.09	0.0	0.04	2.68
		-7.75	-5.52e-03	-1.74e-06	0.0	51.1	-2.89	-25.37	-0.09	0.0	-5.52e-03	-7.75
99	28	3.42	0.03	4.67e-04	-12.06	0.0	-2.73	-16.87	-0.07	0.0	0.03	3.42
		-8.28	-4.55e-03	-8.39e-06	0.0	51.1	-2.73	-28.93	-0.07	0.0	-4.55e-03	-8.28
99	52	3.07	0.04	4.65e-04	-12.06	0.0	-4.85	-16.65	-0.09	-1.14e-06	0.04	3.07
		-8.52	-5.33e-03	-4.64e-06	0.0	51.1	-4.85	-28.70	-0.09	-1.14e-06	-5.33e-03	-8.52
99	68	2.70	0.04	4.21e-04	-9.92	0.0	-5.75	-15.56	-0.08	-1.19e-06	0.04	2.70
		-7.78	-5.00e-03	-4.18e-06	0.0	51.1	-5.75	-25.48	-0.08	-1.19e-06	-5.00e-03	-7.78
99	93	0.92	0.01	1.62e-04	-3.23	0.0	0.44	-5.97	-0.03	0.0	0.01	0.92
		-2.96	-2.13e-03	0.0	0.0	51.1	0.44	-9.20	-0.03	0.0	-2.13e-03	-2.96
99	113	-2.14	1.92	4.97e-06	-6.40	0.0	6.20	7.69	-3.23	0.0	1.92	-4.92
		-4.92	0.10	-5.88e-05	0.0	51.1	6.20	1.29	-3.23	0.0	0.10	-2.14
99	116	8.04	-0.11	5.05e-04	-6.40	0.0	-9.59	-25.78	3.14	-1.59e-06	-1.88	8.04
		-7.25	-1.88	5.42e-05	0.0	51.1	-9.59	-32.18	3.14	-1.59e-06	-0.11	-7.25
99	119	7.43	-0.10	5.53e-04	-6.40	0.0	-21.76	-28.93	3.18	-3.01e-06	-1.72	7.43
		-8.49	-1.72	3.34e-05	0.0	51.1	-21.76	-35.33	3.18	-3.01e-06	-0.10	-8.49
99	120	8.04	-0.11	4.91e-04	-6.40	0.0	-6.61	-24.95	3.43	-1.23e-06	-1.85	8.04
		-6.91	-1.85	4.52e-05	0.0	51.1	-6.61	-31.35	3.43	-1.23e-06	-0.11	-6.91

99	138	0.72	0.34	7.21e-05	-6.40	0.0	27.29	2.95	-0.65	2.95e-06	0.34	0.72
		-1.16	0.01	4.90e-06	0.0	51.1	27.29	-3.45	-0.65	2.95e-06	0.01	-1.16
99	139	2.40	-0.02	4.38e-04	-6.40	0.0	-30.68	-21.04	0.55	-3.94e-06	-0.30	2.40
		-8.23	-0.30	-9.47e-06	0.0	51.1	-30.68	-27.44	0.55	-3.94e-06	-0.02	-8.23
99	145	-1.83	2.15	-2.56e-05	-6.40	0.0	7.11	9.74	-3.61	0.0	2.15	-5.72
		-5.72	0.11	-6.62e-05	0.0	51.1	7.11	3.34	-3.61	0.0	0.11	-1.83
99	148	8.84	-0.12	5.36e-04	-6.40	0.0	-10.50	-27.83	3.52	-1.72e-06	-2.10	8.84
		-7.56	-2.10	6.16e-05	0.0	51.1	-10.50	-34.23	3.52	-1.72e-06	-0.12	-7.56
99	151	8.16	-0.11	5.90e-04	-6.40	0.0	-24.26	-31.38	3.57	-3.32e-06	-1.93	8.16
		-8.96	-1.93	3.79e-05	0.0	51.1	-24.26	-37.78	3.57	-3.32e-06	-0.11	-8.96
99	152	8.84	-0.12	5.20e-04	-6.40	0.0	-7.13	-26.89	3.84	-1.31e-06	-2.08	8.84
		-7.17	-2.08	5.13e-05	0.0	51.1	-7.13	-33.29	3.84	-1.31e-06	-0.12	-7.17
99	170	0.63	0.38	4.91e-05	-6.40	0.0	31.05	4.46	-0.72	3.40e-06	0.38	0.61
		-0.70	0.02	6.10e-06	0.0	51.1	31.05	-1.94	-0.72	3.40e-06	0.02	-0.70
99	171	2.50	-0.02	4.61e-04	-6.40	0.0	-34.44	-22.55	0.62	-4.39e-06	-0.34	2.50
		-8.69	-0.34	-1.07e-05	0.0	51.1	-34.44	-28.95	0.62	-4.39e-06	-0.02	-8.69
99	177	-1.91	2.06	-2.05e-05	-6.40	0.0	6.61	9.40	-3.44	0.0	2.06	-5.60
		-5.60	0.11	-6.77e-05	0.0	51.1	6.61	3.00	-3.44	0.0	0.11	-1.91
99	180	8.72	-0.11	5.30e-04	-6.40	0.0	-10.00	-27.49	3.35	-1.66e-06	-2.01	8.72
		-7.48	-2.01	6.32e-05	0.0	51.1	-10.00	-33.89	3.35	-1.66e-06	-0.11	-7.48
99	183	8.05	-0.10	5.85e-04	-6.40	0.0	-24.08	-31.04	3.40	-3.29e-06	-1.84	8.05
		-8.91	-1.84	3.75e-05	0.0	51.1	-24.08	-37.44	3.40	-3.29e-06	-0.10	-8.91
99	202	0.64	0.36	4.93e-05	-6.40	0.0	31.60	4.44	-0.67	3.46e-06	0.36	0.62
		-0.67	0.01	7.79e-06	0.0	51.1	31.60	-1.96	-0.67	3.46e-06	0.01	-0.67
99	203	2.50	-0.02	4.61e-04	-6.40	0.0	-34.99	-22.53	0.58	-4.45e-06	-0.32	2.50
		-8.73	-0.32	-1.24e-05	0.0	51.1	-34.99	-28.93	0.58	-4.45e-06	-0.02	-8.73
99	209	-1.47	2.39	-6.58e-05	-6.40	0.0	7.75	12.43	-4.00	0.0	2.39	-6.79
		-6.79	0.13	-8.04e-05	0.0	51.1	7.75	6.03	-4.00	0.0	0.13	-1.47
99	212	9.91	-0.13	5.76e-04	-6.40	0.0	-11.14	-30.52	3.90	-1.82e-06	-2.35	9.91
		-7.92	-2.35	7.59e-05	0.0	51.1	-11.14	-36.92	3.90	-1.82e-06	-0.13	-7.92
99	215	9.13	-0.12	6.40e-04	-6.40	0.0	-27.93	-34.71	3.96	-3.77e-06	-2.14	9.13
		-9.62	-2.14	4.42e-05	0.0	51.1	-27.93	-41.11	3.96	-3.77e-06	-0.12	-9.62
99	234	0.69	0.41	1.33e-05	-6.40	0.0	37.76	6.79	-0.77	4.19e-06	0.41	0.46
		0.06	0.02	1.06e-05	0.0	51.1	37.76	0.39	-0.77	4.19e-06	0.02	0.06
99	235	2.66	-0.02	4.97e-04	-6.40	0.0	-41.15	-24.88	0.68	-5.18e-06	-0.37	2.66
		-9.46	-0.37	-1.52e-05	0.0	51.1	-41.15	-31.28	0.68	-5.18e-06	-0.02	-9.46
99	244	1.97	0.03	3.13e-04	-8.30	0.0	-2.16	-10.97	-0.06	0.0	0.03	1.97
		-5.75	-3.87e-03	-1.62e-06	0.0	51.1	-2.16	-19.27	-0.06	0.0	-3.87e-03	-5.75
99	247	1.88	0.03	2.96e-04	-6.88	0.0	-2.00	-10.85	-0.06	0.0	0.03	1.88
		-5.42	-3.89e-03	-1.26e-06	0.0	51.1	-2.00	-17.73	-0.06	0.0	-3.89e-03	-5.42
99	256	2.38	0.02	3.26e-04	-8.30	0.0	-1.90	-11.80	-0.05	0.0	0.02	2.38
		-5.77	-3.25e-03	-5.69e-06	0.0	51.1	-1.90	-20.10	-0.05	0.0	-3.25e-03	-5.77
99	268	2.15	0.03	3.24e-04	-8.30	0.0	-3.32	-11.65	-0.06	0.0	0.03	2.15
		-5.93	-3.76e-03	-3.19e-06	0.0	51.1	-3.32	-19.95	-0.06	0.0	-3.76e-03	-5.93
99	276	1.90	0.02	2.95e-04	-6.88	0.0	-3.91	-10.93	-0.06	0.0	0.02	1.90
		-5.44	-3.54e-03	-2.89e-06	0.0	51.1	-3.91	-17.80	-0.06	0.0	-3.54e-03	-5.44
99	285	0.98	0.01	1.82e-04	-3.55	0.0	-0.20	-6.72	-0.03	0.0	0.01	0.98
		-3.36	-2.34e-03	-1.20e-06	0.0	51.1	-0.20	-10.27	-0.03	0.0	-2.34e-03	-3.36
99	298	1.65	0.02	2.66e-04	-6.88	0.0	-1.77	-9.38	-0.05	0.0	0.02	1.65
		-4.90	-3.08e-03	-2.43e-06	0.0	51.1	-1.77	-16.25	-0.05	0.0	-3.08e-03	-4.90
99	301	1.63	0.02	2.62e-04	-6.40	0.0	-1.73	-9.40	-0.05	0.0	0.02	1.63
		-4.80	-3.11e-03	-2.32e-06	0.0	51.1	-1.73	-15.80	-0.05	0.0	-3.11e-03	-4.80
99	305	1.65	0.02	2.58e-04	-6.40	0.0	-1.64	-9.23	-0.04	0.0	0.02	1.65
		-4.70	-2.85e-03	-3.19e-06	0.0	51.1	-1.64	-15.63	-0.04	0.0	-2.85e-03	-4.70
99	307	1.57	0.02	2.57e-04	-6.40	0.0	-2.11	-9.18	-0.05	0.0	0.02	1.57
		-4.75	-3.02e-03	-2.36e-06	0.0	51.1	-2.11	-15.58	-0.05	0.0	-3.02e-03	-4.75
99	308	1.01	0.01	1.86e-04	-3.55	0.0	-1.03	-6.99	-0.03	0.0	0.01	1.01
		-3.47	-2.40e-03	-1.35e-06	0.0	51.1	-1.03	-10.54	-0.03	0.0	-2.40e-03	-3.47
99	309	1.02	0.01	1.87e-04	-3.55	0.0	-1.24	-7.06	-0.03	0.0	0.01	1.02
		-3.50	-2.42e-03	-1.39e-06	0.0	51.1	-1.24	-10.61	-0.03	0.0	-2.42e-03	-3.50
99	310	1.56	0.02	2.55e-04	-6.40	0.0	-1.70	-9.04	-0.05	0.0	0.02	1.56
		-4.70	-2.99e-03	-2.28e-06	0.0	51.1	-1.70	-15.44	-0.05	0.0	-2.99e-03	-4.70
100	11	-7.30	5.21e-03	1.73e-04	-9.92	0.0	1.50	4.17	0.02	0.0	-5.52e-03	-7.75
		-8.15	-5.52e-03	-2.51e-06	0.0	51.1	1.50	-5.75	0.02	0.0	5.21e-03	-8.15
100	44	-7.02	0.01	1.75e-04	-9.92	0.0	2.09	3.82	0.03	0.0	-3.71e-03	-7.39
		-7.97	-3.71e-03	-1.10e-05	0.0	51.1	2.09	-6.10	0.03	0.0	0.01	-7.97
100	52	-8.00	7.91e-03	1.89e-04	-12.06	0.0	0.81	4.95	0.03	-1.14e-06	-5.33e-03	-8.52
		-9.07	-5.33e-03	-5.41e-06	0.0	51.1	0.81	-7.11	0.03	-1.14e-06	7.91e-03	-9.07
100	69	-3.47	2.68e-03	7.52e-05	-3.23	0.0	-1.01	1.20	0.01	0.0	-2.49e-03	-3.59
		-3.80	-2.49e-03	-2.15e-06	0.0	51.1	-1.01	-2.03	0.01	0.0	2.68e-03	-3.80
100	92	-6.69	5.90e-03	1.62e-04	-9.92	0.0	2.35	4.25	0.02	0.0	-4.63e-03	-7.16
		-7.52	-4.63e-03	-4.02e-06	0.0	51.1	2.35	-5.67	0.02	0.0	5.90e-03	-7.52
100	93	-2.79	1.65e-03	6.68e-05	-3.23	0.0	1.41	1.47	7.39e-03	0.0	-2.13e-03	-2.96
		-3.04	-2.13e-03	-1.28e-06	0.0	51.1	1.41	-1.77	7.39e-03	0.0	1.65e-03	-3.04
100	113	-1.25	0.10	2.31e-05	-6.40	0.0	4.15	4.71	-0.20	0.0	0.10	-2.14

		-2.14	-0.01	-5.57e-05	0.0	51.1	4.15	-1.69	-0.20	0.0	-0.01	-1.36
100	116	-7.23	0.02	1.85e-04	-6.40	0.0	-2.24	0.75	0.22	-1.59e-06	-0.11	-7.25
		-8.51	-0.11	5.03e-05	0.0	51.1	-2.24	-5.65	0.22	-1.59e-06	0.02	-8.51
100	118	0.05	0.09	7.77e-06	-6.40	0.0	11.50	4.93	-0.21	2.01e-06	0.09	-0.90
		-0.90	-0.01	-3.72e-05	0.0	51.1	11.50	-1.47	-0.21	2.01e-06	-0.01	-0.04
100	119	-8.48	0.02	2.01e-04	-6.40	0.0	-9.58	0.53	0.24	-3.01e-06	-0.10	-8.49
		-9.83	-0.10	3.18e-05	0.0	51.1	-9.58	-5.87	0.24	-3.01e-06	0.02	-9.83
100	138	-0.62	0.01	4.98e-05	-6.40	0.0	17.90	3.75	-0.08	2.95e-06	0.01	-1.16
		-1.16	-6.70e-03	2.95e-06	0.0	51.1	17.90	-2.65	-0.08	2.95e-06	-6.70e-03	-0.91
100	139	-8.11	0.01	1.59e-04	-6.40	0.0	-15.99	1.72	0.10	-3.94e-06	-0.02	-8.23
		-8.96	-0.02	-8.37e-06	0.0	51.1	-15.99	-4.68	0.10	-3.94e-06	0.01	-8.96
100	145	-0.85	0.11	1.32e-05	-6.40	0.0	4.51	4.96	-0.22	0.0	0.11	-1.83
		-1.83	-0.01	-6.26e-05	0.0	51.1	4.51	-1.44	-0.22	0.0	-0.01	-0.93
100	148	-7.55	0.02	1.95e-04	-6.40	0.0	-2.60	0.51	0.25	-1.72e-06	-0.12	-7.56
		-8.95	-0.12	5.72e-05	0.0	51.1	-2.60	-5.89	0.25	-1.72e-06	0.02	-8.95
100	150	0.62	0.10	-1.10e-05	-6.40	0.0	12.82	5.20	-0.24	2.33e-06	0.10	-0.43
		-0.43	-0.02	-4.15e-05	0.0	51.1	12.82	-1.20	-0.24	2.33e-06	-0.02	0.56
100	151	-8.96	0.02	2.12e-04	-6.40	0.0	-10.90	0.26	0.27	-3.32e-06	-0.11	-8.96
		-10.43	-0.11	3.60e-05	0.0	51.1	-10.90	-6.14	0.27	-3.32e-06	0.02	-10.43
100	170	-0.13	0.02	4.31e-05	-6.40	0.0	20.10	3.87	-0.09	3.40e-06	0.02	-0.70
		-0.70	-8.03e-03	3.95e-06	0.0	51.1	20.10	-2.53	-0.09	3.40e-06	-8.03e-03	-0.40
100	171	-8.58	0.02	1.65e-04	-6.40	0.0	-18.19	1.59	0.12	-4.39e-06	-0.02	-8.69
		-9.47	-0.02	-9.37e-06	0.0	51.1	-18.19	-4.81	0.12	-4.39e-06	0.02	-9.47
100	177	-0.94	0.11	1.47e-05	-6.40	0.0	4.24	4.92	-0.21	0.0	0.11	-1.91
		-1.91	-0.01	-6.43e-05	0.0	51.1	4.24	-1.48	-0.21	0.0	-0.01	-1.02
100	180	-7.47	0.02	1.94e-04	-6.40	0.0	-2.33	0.54	0.24	-1.66e-06	-0.11	-7.48
		-8.85	-0.11	5.88e-05	0.0	51.1	-2.33	-5.86	0.24	-1.66e-06	0.02	-8.85
100	182	0.55	0.10	-9.92e-06	-6.40	0.0	12.74	5.16	-0.23	2.30e-06	0.10	-0.49
		-0.49	-0.02	-4.11e-05	0.0	51.1	12.74	-1.24	-0.23	2.30e-06	-0.02	0.49
100	183	-8.90	0.02	2.11e-04	-6.40	0.0	-10.83	0.30	0.26	-3.29e-06	-0.10	-8.91
		-10.36	-0.10	3.57e-05	0.0	51.1	-10.83	-6.10	0.26	-3.29e-06	0.02	-10.36
100	202	-0.10	0.01	4.40e-05	-6.40	0.0	20.45	3.86	-0.08	3.46e-06	0.01	-0.67
		-0.67	-7.98e-03	5.73e-06	0.0	51.1	20.45	-2.54	-0.08	3.46e-06	-7.98e-03	-0.37
100	203	-8.61	0.02	1.64e-04	-6.40	0.0	-18.54	1.60	0.11	-4.45e-06	-0.02	-8.73
		-9.50	-0.02	-1.12e-05	0.0	51.1	-18.54	-4.80	0.11	-4.45e-06	0.02	-9.50
100	209	-0.35	0.13	-7.90e-06	-6.40	0.0	4.65	5.28	-0.25	0.0	0.13	-1.47
		-1.47	-0.02	-7.63e-05	0.0	51.1	4.65	-1.12	-0.25	0.0	-0.02	-0.39
100	212	-7.92	0.02	2.09e-04	-6.40	0.0	-2.74	0.18	0.28	-1.82e-06	-0.13	-7.92
		-9.48	-0.13	7.09e-05	0.0	51.1	-2.74	-6.22	0.28	-1.82e-06	0.02	-9.48
100	214	1.43	0.11	-2.22e-05	-6.40	0.0	14.79	5.56	-0.27	2.78e-06	0.11	0.22
		0.22	-0.02	-4.76e-05	0.0	51.1	14.79	-0.84	-0.27	2.78e-06	-0.02	1.39
100	215	-9.62	0.03	2.28e-04	-6.40	0.0	-12.88	-0.10	0.30	-3.77e-06	-0.12	-9.62
		-11.27	-0.12	4.22e-05	0.0	51.1	-12.88	-6.50	0.30	-3.77e-06	0.03	-11.27
100	234	0.69	0.02	3.38e-05	-6.40	0.0	24.07	4.05	-0.10	4.19e-06	0.02	0.06
		0.06	-0.01	8.27e-06	0.0	51.1	24.07	-2.35	-0.10	4.19e-06	-0.01	0.45
100	235	-9.37	0.02	1.75e-04	-6.40	0.0	-22.16	1.42	0.13	-5.18e-06	-0.02	-9.46
		-10.32	-0.02	-1.37e-05	0.0	51.1	-22.16	-4.99	0.13	-5.18e-06	0.02	-10.32
100	247	-5.11	3.60e-03	1.21e-04	-6.88	0.0	1.06	2.88	0.01	0.0	-3.89e-03	-5.42
		-5.70	-3.89e-03	-1.81e-06	0.0	51.1	1.06	-3.99	0.01	0.0	3.60e-03	-5.70
100	264	-4.92	6.83e-03	1.23e-04	-6.88	0.0	1.46	2.65	0.02	0.0	-2.68e-03	-5.18
		-5.58	-2.68e-03	-7.44e-06	0.0	51.1	1.46	-4.23	0.02	0.0	6.83e-03	-5.58
100	268	-5.57	5.40e-03	1.32e-04	-8.30	0.0	0.60	3.40	0.02	0.0	-3.76e-03	-5.93
		-6.31	-3.76e-03	-3.74e-06	0.0	51.1	0.60	-4.90	0.02	0.0	5.40e-03	-6.31
100	273	-3.63	2.72e-03	8.00e-05	-3.55	0.0	-0.44	1.42	0.01	0.0	-2.58e-03	-3.78
		-3.96	-2.58e-03	-2.11e-06	0.0	51.1	-0.44	-2.13	0.01	0.0	2.72e-03	-3.96
100	285	-3.17	2.03e-03	7.44e-05	-3.55	0.0	1.18	1.60	8.56e-03	0.0	-2.34e-03	-3.36
		-3.45	-2.34e-03	-1.52e-06	0.0	51.1	1.18	-1.95	8.56e-03	0.0	2.03e-03	-3.45
100	288	-4.70	4.06e-03	1.14e-04	-6.88	0.0	1.63	2.93	0.01	0.0	-3.30e-03	-5.02
		-5.28	-3.30e-03	-2.81e-06	0.0	51.1	1.63	-3.94	0.01	0.0	4.06e-03	-5.28
100	298	-4.58	4.21e-03	1.09e-04	-6.88	0.0	1.01	2.93	0.01	0.0	-3.08e-03	-4.90
		-5.16	-3.08e-03	-2.88e-06	0.0	51.1	1.01	-3.94	0.01	0.0	4.21e-03	-5.16
100	301	-4.51	3.96e-03	1.07e-04	-6.40	0.0	0.99	2.71	0.01	0.0	-3.11e-03	-4.80
		-5.05	-3.11e-03	-2.76e-06	0.0	51.1	0.99	-3.69	0.01	0.0	3.96e-03	-5.05
100	305	-4.41	4.44e-03	1.06e-04	-6.40	0.0	1.03	2.69	0.01	0.0	-2.85e-03	-4.70
		-4.96	-2.85e-03	-3.60e-06	0.0	51.1	1.03	-3.71	0.01	0.0	4.44e-03	-4.96
100	306	-3.39	2.35e-03	7.70e-05	-3.55	0.0	0.42	1.51	9.41e-03	0.0	-2.45e-03	-3.55
		-3.69	-2.45e-03	-1.79e-06	0.0	51.1	0.42	-2.04	9.41e-03	0.0	2.35e-03	-3.69
100	308	-3.30	2.22e-03	7.59e-05	-3.55	0.0	0.75	1.55	9.04e-03	0.0	-2.40e-03	-3.47
		-3.59	-2.40e-03	-1.68e-06	0.0	51.1	0.75	-2.00	9.04e-03	0.0	2.22e-03	-3.59
100	309	-3.33	2.26e-03	7.62e-05	-3.55	0.0	0.64	1.54	9.16e-03	0.0	-2.42e-03	-3.50
		-3.62	-2.42e-03	-1.72e-06	0.0	51.1	0.64	-2.01	9.16e-03	0.0	2.26e-03	-3.62
100	310	-4.40	3.93e-03	1.04e-04	-6.40	0.0	0.96	2.73	0.01	0.0	-2.99e-03	-4.70
		-4.94	-2.99e-03	-2.71e-06	0.0	51.1	0.96	-3.67	0.01	0.0	3.93e-03	-4.94
101	18	0.50	-6.48e-03	-3.36e-04	-9.40	0.0	2.24	17.76	-8.71e-03	0.0	-6.48e-03	-6.73
		-6.73	-0.01	1.99e-06	0.0	55.3	2.24	8.36	-8.71e-03	0.0	-0.01	0.50

101	28	1.05	-9.03e-03	-4.16e-04	-11.42	0.0	0.54	22.65	-0.01	0.0	-9.03e-03	-8.33
		-8.33	-0.02	-1.33e-06	0.0	55.3	0.54	11.23	-0.01	0.0	-0.02	1.05
101	44	1.07	-8.37e-03	-3.78e-04	-9.40	0.0	-0.34	20.31	-0.01	0.0	-8.37e-03	-7.57
		-7.57	-0.02	-2.53e-06	0.0	55.3	-0.34	10.91	-0.01	0.0	-0.02	1.07
101	45	0.57	-3.91e-03	-1.70e-04	-3.08	0.0	-1.16	8.79	-7.64e-03	0.0	-3.91e-03	-3.45
		-3.45	-8.14e-03	-2.73e-06	0.0	55.3	-1.16	5.71	-7.64e-03	0.0	-8.14e-03	0.57
101	69	0.16	-1.86e-03	-1.44e-04	-3.08	0.0	0.60	7.12	-3.05e-03	0.0	-1.86e-03	-2.93
		-2.93	-3.55e-03	1.14e-06	0.0	55.3	0.60	4.04	-3.05e-03	0.0	-3.55e-03	0.16
101	122	-0.60	8.18e-03	-2.95e-05	-6.07	0.0	13.50	-0.95	0.02	0.0	-1.35e-03	-0.60
		-2.82	-1.35e-03	1.96e-05	0.0	55.3	13.50	-7.02	0.02	0.0	8.18e-03	-2.82
101	123	3.59	-7.48e-03	-4.08e-04	-6.07	0.0	-11.80	24.33	-0.03	0.0	-7.48e-03	-8.21
		-8.21	-0.02	-1.90e-05	0.0	55.3	-11.80	18.26	-0.03	0.0	-0.02	3.59
101	141	-0.92	0.02	-2.09e-04	-6.07	0.0	2.71	10.32	0.03	0.0	6.05e-03	-4.45
		-4.45	6.05e-03	-2.39e-05	0.0	55.3	2.71	4.25	0.03	0.0	0.02	-0.92
101	144	1.69	-0.01	-2.28e-04	-6.07	0.0	-1.00	13.06	-0.04	0.0	-0.01	-4.36
		-4.36	-0.04	2.45e-05	0.0	55.3	-1.00	6.99	-0.04	0.0	-0.04	1.69
101	154	-0.12	0.01	-1.03e-05	-6.07	0.0	15.08	-2.52	0.02	0.0	-9.73e-04	-0.12
		-3.22	-9.73e-04	2.23e-05	0.0	55.3	15.08	-8.59	0.02	0.0	0.01	-3.22
101	155	3.99	-7.86e-03	-4.32e-04	-6.07	0.0	-13.37	25.90	-0.03	0.0	-7.86e-03	-8.69
		-8.69	-0.03	-2.17e-05	0.0	55.3	-13.37	19.83	-0.03	0.0	-0.03	3.99
101	173	-1.08	0.03	-2.08e-04	-6.07	0.0	2.95	10.15	0.04	0.0	7.38e-03	-4.46
		-4.46	7.38e-03	-2.71e-05	0.0	55.3	2.95	4.08	0.04	0.0	0.03	-1.08
101	176	1.85	-0.02	-2.29e-04	-6.07	0.0	-1.24	13.23	-0.05	0.0	-0.02	-4.35
		-4.35	-0.04	2.77e-05	0.0	55.3	-1.24	7.16	-0.05	0.0	-0.04	1.85
101	186	-0.17	9.52e-03	-1.19e-05	-6.07	0.0	14.87	-2.32	0.02	0.0	-1.11e-03	-0.17
		-3.16	-1.11e-03	2.36e-05	0.0	55.3	14.87	-8.39	0.02	0.0	9.52e-03	-3.16
101	187	3.93	-7.72e-03	-4.29e-04	-6.07	0.0	-13.16	25.70	-0.03	0.0	-7.72e-03	-8.64
		-8.64	-0.03	-2.30e-05	0.0	55.3	-13.16	19.64	-0.03	0.0	-0.03	3.93
101	205	-1.04	0.03	-2.09e-04	-6.07	0.0	3.00	10.13	0.04	0.0	7.41e-03	-4.48
		-4.48	7.41e-03	-2.82e-05	0.0	55.3	3.00	4.06	0.04	0.0	0.03	-1.04
101	208	1.81	-0.02	-2.29e-04	-6.07	0.0	-1.29	13.25	-0.05	0.0	-0.02	-4.33
		-4.33	-0.04	2.87e-05	0.0	55.3	-1.29	7.18	-0.05	0.0	-0.04	1.81
101	218	0.54	0.01	2.63e-05	-6.07	0.0	17.17	-4.64	0.02	0.0	-6.49e-04	0.54
		-3.73	-6.49e-04	2.87e-05	0.0	55.3	17.17	-10.71	0.02	0.0	0.01	-3.73
101	219	4.50	-8.18e-03	-4.64e-04	-6.07	0.0	-15.46	28.02	-0.04	0.0	-8.18e-03	-9.35
		-9.35	-0.03	-2.81e-05	0.0	55.3	-15.46	21.95	-0.04	0.0	-0.03	4.50
101	237	-1.26	0.03	-2.08e-04	-6.07	0.0	3.38	9.88	0.04	0.0	9.58e-03	-4.51
		-4.51	9.58e-03	-3.37e-05	0.0	55.3	3.38	3.81	0.04	0.0	0.03	-1.26
101	240	2.03	-0.02	-2.30e-04	-6.07	0.0	-1.67	13.50	-0.06	0.0	-0.02	-4.30
		-4.30	-0.05	3.43e-05	0.0	55.3	-1.67	7.43	-0.06	0.0	-0.05	2.03
101	251	0.34	-4.56e-03	-2.38e-04	-6.52	0.0	1.54	12.48	-6.12e-03	0.0	-4.56e-03	-4.76
		-4.76	-7.94e-03	1.35e-06	0.0	55.3	1.54	5.97	-6.12e-03	0.0	-7.94e-03	0.34
101	256	0.71	-6.25e-03	-2.91e-04	-7.86	0.0	0.41	15.75	-0.01	0.0	-6.25e-03	-5.83
		-5.83	-0.01	0.0	0.0	55.3	0.41	7.88	-0.01	0.0	-0.01	0.71
101	261	0.47	-3.71e-03	-1.71e-04	-3.38	0.0	-0.55	8.79	-6.71e-03	0.0	-3.71e-03	-3.46
		-3.46	-7.42e-03	-1.71e-06	0.0	55.3	-0.55	5.41	-6.71e-03	0.0	-7.42e-03	0.47
101	264	0.72	-5.82e-03	-2.66e-04	-6.52	0.0	-0.17	14.18	-9.99e-03	0.0	-5.82e-03	-5.32
		-5.32	-0.01	-1.66e-06	0.0	55.3	-0.17	7.67	-9.99e-03	0.0	-0.01	0.72
101	273	0.20	-2.35e-03	-1.54e-04	-3.38	0.0	0.63	7.67	-3.65e-03	0.0	-2.35e-03	-3.12
		-3.12	-4.37e-03	0.0	0.0	55.3	0.63	4.29	-3.65e-03	0.0	-4.37e-03	0.20
101	298	0.41	-4.67e-03	-2.30e-04	-6.52	0.0	0.90	12.36	-6.78e-03	0.0	-4.67e-03	-4.62
		-4.62	-8.42e-03	0.0	0.0	55.3	0.90	5.84	-6.78e-03	0.0	-8.42e-03	0.41
101	303	0.36	-4.33e-03	-2.17e-04	-6.07	0.0	0.97	11.58	-6.14e-03	0.0	-4.33e-03	-4.37
		-4.37	-7.73e-03	0.0	0.0	55.3	0.97	5.51	-6.14e-03	0.0	-7.73e-03	0.36
101	304	0.26	-3.04e-03	-1.57e-04	-3.38	0.0	0.37	7.88	-4.64e-03	0.0	-3.04e-03	-3.16
		-3.16	-5.61e-03	0.0	0.0	55.3	0.37	4.50	-4.64e-03	0.0	-5.61e-03	0.26
101	305	0.44	-4.58e-03	-2.23e-04	-6.07	0.0	0.63	11.92	-6.91e-03	0.0	-4.58e-03	-4.48
		-4.48	-8.41e-03	0.0	0.0	55.3	0.63	5.85	-6.91e-03	0.0	-8.41e-03	0.44
101	306	0.21	-2.77e-03	-1.53e-04	-3.38	0.0	0.60	7.66	-4.03e-03	0.0	-2.77e-03	-3.09
		-3.09	-5.00e-03	0.0	0.0	55.3	0.60	4.28	-4.03e-03	0.0	-5.00e-03	0.21
101	309	0.21	-2.87e-03	-1.53e-04	-3.38	0.0	0.60	7.66	-4.12e-03	0.0	-2.87e-03	-3.09
		-3.09	-5.15e-03	0.0	0.0	55.3	0.60	4.28	-4.12e-03	0.0	-5.15e-03	0.21
101	310	0.39	-4.41e-03	-2.19e-04	-6.07	0.0	0.85	11.69	-6.40e-03	0.0	-4.41e-03	-4.40
		-4.40	-7.95e-03	0.0	0.0	55.3	0.85	5.62	-6.40e-03	0.0	-7.95e-03	0.39
102	18	6.60	-2.49e-03	-2.98e-04	-10.03	0.0	1.91	15.35	0.01	5.34e-04	-0.01	0.50
		0.50	-0.01	0.0	0.0	59.1	1.91	5.32	0.01	5.34e-04	-2.49e-03	6.60
102	19	2.63	-5.75e-04	-1.26e-04	-3.29	0.0	1.34	6.10	4.57e-03	7.47e-04	-3.01e-03	-6.38e-03
		-6.38e-03	-3.01e-03	1.53e-06	0.0	59.1	1.34	2.81	4.57e-03	7.47e-04	-5.75e-04	2.63
102	28	7.52	-4.47e-03	-3.35e-04	-12.19	0.0	-0.26	17.06	0.02	-1.72e-03	-0.02	1.05
		1.05	-0.02	-3.48e-06	0.0	59.1	-0.26	4.87	0.02	-1.72e-03	-4.47e-03	7.52
102	45	2.62	-2.56e-03	-1.21e-04	-3.29	0.0	-1.85	5.12	7.52e-03	-2.26e-03	-7.80e-03	0.57
		0.57	-7.80e-03	-3.89e-06	0.0	59.1	-1.85	1.83	7.52e-03	-2.26e-03	-2.56e-03	2.62
102	52	7.53	-3.48e-03	-3.38e-04	-12.19	0.0	1.02	17.49	0.02	-8.68e-04	-0.01	0.80
		0.80	-0.01	0.0	0.0	59.1	1.02	5.30	0.02	-8.68e-04	-3.48e-03	7.53
102	122	4.55	6.88e-03	-2.16e-04	-6.48	0.0	12.21	14.73	-0.01	5.83e-03	6.88e-03	-2.82

		-2.82	-1.51e-03	2.15e-05	0.0	59.1	12.21	8.25	-0.01	5.83e-03	-1.51e-03	4.55
102	123	4.06	-2.53e-03	-1.56e-04	-6.48	0.0	-11.16	4.20	0.03	-6.49e-03	-0.02	3.59
		3.58	-0.02	-2.27e-05	0.0	59.1	-11.16	-2.28	0.03	-6.49e-03	-2.53e-03	3.58
102	141	4.06	0.02	-2.16e-04	-6.48	0.0	1.81	11.53	-0.04	-3.15e-03	0.02	-0.92
		-0.92	3.56e-03	-2.30e-05	0.0	59.1	1.81	5.05	-0.04	-3.15e-03	3.56e-03	4.06
102	144	4.06	-7.61e-03	-1.56e-04	-6.48	0.0	-0.76	7.40	0.06	2.50e-03	-0.04	1.69
		1.69	-0.04	2.17e-05	0.0	59.1	-0.76	0.92	0.06	2.50e-03	-7.61e-03	4.06
102	154	4.60	8.65e-03	-2.19e-04	-6.48	0.0	13.66	15.38	-0.01	6.61e-03	8.65e-03	-3.22
		-3.22	-1.43e-03	2.44e-05	0.0	59.1	13.66	8.90	-0.01	6.61e-03	-1.43e-03	4.60
102	155	4.26	-2.61e-03	-1.53e-04	-6.48	0.0	-12.61	3.55	0.03	-7.26e-03	-0.02	3.99
		3.52	-0.02	-2.57e-05	0.0	59.1	-12.61	-2.93	0.03	-7.26e-03	-2.61e-03	3.52
102	173	4.06	0.02	-2.20e-04	-6.48	0.0	1.98	11.78	-0.04	-3.50e-03	0.02	-1.08
		-1.08	4.19e-03	-2.60e-05	0.0	59.1	1.98	5.30	-0.04	-3.50e-03	4.19e-03	4.06
102	176	4.06	-8.23e-03	-1.52e-04	-6.48	0.0	-0.92	7.15	0.06	2.85e-03	-0.04	1.85
		1.85	-0.04	2.47e-05	0.0	59.1	-0.92	0.67	0.06	2.85e-03	-8.23e-03	4.06
102	186	4.54	8.04e-03	-2.19e-04	-6.48	0.0	13.48	15.28	-0.01	6.59e-03	8.04e-03	-3.16
		-3.16	-1.36e-03	2.57e-05	0.0	59.1	13.48	8.80	-0.01	6.59e-03	-1.36e-03	4.54
102	187	4.25	-2.68e-03	-1.53e-04	-6.48	0.0	-12.43	3.65	0.03	-7.24e-03	-0.02	3.93
		3.58	-0.02	-2.70e-05	0.0	59.1	-12.43	-2.83	0.03	-7.24e-03	-2.68e-03	3.58
102	205	4.06	0.03	-2.21e-04	-6.48	0.0	2.00	11.71	-0.05	-3.38e-03	0.03	-1.04
		-1.04	3.68e-03	-2.71e-05	0.0	59.1	2.00	5.23	-0.05	-3.38e-03	3.68e-03	4.06
102	208	4.07	-7.72e-03	-1.51e-04	-6.48	0.0	-0.95	7.22	0.06	2.73e-03	-0.04	1.81
		1.81	-0.04	2.58e-05	0.0	59.1	-0.95	0.74	0.06	2.73e-03	-7.72e-03	4.07
102	218	4.62	0.01	-2.24e-04	-6.48	0.0	15.62	16.23	-0.02	7.81e-03	0.01	-3.73
		-3.73	-1.28e-03	3.13e-05	0.0	59.1	15.62	9.75	-0.02	7.81e-03	-1.28e-03	4.62
102	219	4.61	-2.76e-03	-1.48e-04	-6.48	0.0	-14.57	2.70	0.04	-8.47e-03	-0.03	4.50
		3.51	-0.03	-3.26e-05	0.0	59.1	-14.57	-3.78	0.04	-8.47e-03	-2.76e-03	3.51
102	237	4.05	0.03	-2.28e-04	-6.48	0.0	2.24	12.06	-0.06	-3.92e-03	0.03	-1.26
		-1.26	4.64e-03	-3.23e-05	0.0	59.1	2.24	5.59	-0.06	-3.92e-03	4.64e-03	4.05
102	240	4.07	-8.69e-03	-1.44e-04	-6.48	0.0	-1.19	6.87	0.07	3.27e-03	-0.05	2.03
		2.03	-0.05	3.10e-05	0.0	59.1	-1.19	0.39	0.07	3.27e-03	-8.69e-03	4.07
102	248	2.82	-8.85e-04	-1.34e-04	-3.61	0.0	1.02	6.44	5.43e-03	4.08e-04	-3.95e-03	0.09
		0.09	-3.95e-03	0.0	0.0	59.1	1.02	2.83	5.43e-03	4.08e-04	-8.85e-04	2.82
102	251	4.64	-1.78e-03	-2.11e-04	-6.96	0.0	1.30	10.76	0.01	3.25e-04	-7.77e-03	0.34
		0.34	-7.77e-03	0.0	0.0	59.1	1.30	3.81	0.01	3.25e-04	-1.78e-03	4.64
102	256	5.26	-3.10e-03	-2.36e-04	-8.39	0.0	-0.15	11.90	0.01	-1.18e-03	-0.01	0.71
		0.71	-0.01	-2.34e-06	0.0	59.1	-0.15	3.51	0.01	-1.18e-03	-3.10e-03	5.26
102	261	2.82	-2.21e-03	-1.31e-04	-3.61	0.0	-1.11	5.79	7.40e-03	-1.59e-03	-7.14e-03	0.47
		0.47	-7.14e-03	-2.71e-06	0.0	59.1	-1.11	2.18	7.40e-03	-1.59e-03	-2.21e-03	2.82
102	268	5.26	-2.43e-03	-2.38e-04	-8.39	0.0	0.70	12.19	0.01	-6.10e-04	-9.73e-03	0.54
		0.54	-9.73e-03	0.0	0.0	59.1	0.70	3.80	0.01	-6.10e-04	-2.43e-03	5.26
102	298	4.27	-2.14e-03	-1.95e-04	-6.96	0.0	0.56	10.01	0.01	-3.39e-04	-8.20e-03	0.41
		0.41	-8.20e-03	0.0	0.0	59.1	0.56	3.05	0.01	-3.39e-04	-2.14e-03	4.27
102	302	2.82	-1.24e-03	-1.33e-04	-3.61	0.0	0.45	6.27	5.96e-03	-1.26e-04	-4.80e-03	0.19
		0.19	-4.80e-03	0.0	0.0	59.1	0.45	2.66	5.96e-03	-1.26e-04	-1.24e-03	2.82
102	303	4.06	-1.93e-03	-1.86e-04	-6.48	0.0	0.67	9.51	9.36e-03	-1.94e-04	-7.53e-03	0.36
		0.36	-7.53e-03	0.0	0.0	59.1	0.67	3.03	9.36e-03	-1.94e-04	-1.93e-03	4.06
102	304	2.82	-1.50e-03	-1.32e-04	-3.61	0.0	0.03	6.14	6.35e-03	-5.26e-04	-5.44e-03	0.26
		0.26	-5.44e-03	0.0	0.0	59.1	0.03	2.53	6.35e-03	-5.26e-04	-1.50e-03	2.82
102	309	2.82	-1.33e-03	-1.33e-04	-3.61	0.0	0.31	6.22	6.09e-03	-2.59e-04	-5.02e-03	0.21
		0.21	-5.02e-03	0.0	0.0	59.1	0.31	2.61	6.09e-03	-2.59e-04	-1.33e-03	2.82
102	310	4.06	-2.02e-03	-1.86e-04	-6.48	0.0	0.53	9.46	9.49e-03	-3.27e-04	-7.74e-03	0.39
		0.39	-7.74e-03	0.0	0.0	59.1	0.53	2.99	9.49e-03	-3.27e-04	-2.02e-03	4.06
103	4	12.04	5.88e-03	-1.82e-04	-12.19	0.0	0.66	13.73	0.02	7.12e-04	-3.34e-03	7.53
		7.53	-3.34e-03	0.0	0.0	59.1	0.66	1.55	0.02	7.12e-04	5.88e-03	12.04
103	18	10.47	5.29e-03	-1.59e-04	-10.03	0.0	1.02	11.58	0.01	2.22e-03	-2.64e-03	6.60
		6.60	-2.64e-03	0.0	0.0	59.1	1.02	1.54	0.01	2.22e-03	5.29e-03	10.47
103	28	12.41	4.99e-03	-1.91e-04	-12.19	0.0	-1.09	14.36	0.01	-5.54e-03	-4.14e-03	7.52
		7.52	-4.14e-03	-3.91e-06	0.0	59.1	-1.09	2.18	0.01	-5.54e-03	4.99e-03	12.41
103	45	4.80	7.16e-04	-8.19e-05	-3.29	0.0	-1.99	5.33	3.10e-03	-7.69e-03	-2.09e-03	2.62
		2.62	-2.09e-03	-4.08e-06	0.0	59.1	-1.99	2.04	3.10e-03	-7.69e-03	7.16e-04	4.80
103	114	4.94	-1.77e-03	-4.72e-05	-6.48	0.0	4.53	4.15	-0.02	-8.63e-03	-1.77e-03	4.39
		4.39	-0.01	2.97e-05	0.0	59.1	4.53	-2.33	-0.02	-8.63e-03	-0.01	4.52
103	115	8.82	0.02	-1.63e-04	-6.48	0.0	-4.53	11.17	0.04	6.81e-03	-2.18e-03	3.73
		3.73	-2.18e-03	-3.14e-05	0.0	59.1	-4.53	4.69	0.04	6.81e-03	0.02	8.82
103	122	4.63	-2.40e-03	-2.66e-05	-6.48	0.0	7.36	2.29	-0.02	9.03e-03	-2.40e-03	4.55
		3.40	-0.01	2.16e-05	0.0	59.1	7.36	-4.19	-0.02	9.03e-03	-0.01	3.40
103	123	9.95	0.02	-1.90e-04	-6.48	0.0	-7.36	13.03	0.04	-0.01	-1.55e-03	3.58
		3.58	-1.55e-03	-2.33e-05	0.0	59.1	-7.36	6.55	0.04	-0.01	0.02	9.95
103	146	4.83	-1.73e-03	-4.12e-05	-6.48	0.0	5.09	3.71	-0.03	-9.55e-03	-1.73e-03	4.43
		4.26	-0.02	3.30e-05	0.0	59.1	5.09	-2.76	-0.03	-9.55e-03	-0.02	4.26
103	147	9.08	0.02	-1.71e-04	-6.48	0.0	-5.08	11.60	0.04	7.74e-03	-2.22e-03	3.69
		3.69	-2.22e-03	-3.47e-05	0.0	59.1	-5.08	5.12	0.04	7.74e-03	0.02	9.08
103	154	4.62	-2.44e-03	-1.98e-05	-6.48	0.0	8.28	1.62	-0.03	0.01	-2.44e-03	4.60
		2.99	-0.02	2.46e-05	0.0	59.1	8.28	-4.86	-0.03	0.01	-0.02	2.99

103	155	10.36	0.02	-2.01e-04	-6.48	0.0	-8.27	13.70	0.04	-0.01	-1.50e-03	3.52
		3.52	-1.50e-03	-2.64e-05	0.0	59.1	-8.27	7.22	0.04	-0.01	0.02	10.36
103	178	4.84	-1.61e-03	-4.18e-05	-6.48	0.0	4.96	3.79	-0.03	-9.29e-03	-1.61e-03	4.40
		4.31	-0.02	2.99e-05	0.0	59.1	4.96	-2.69	-0.03	-9.29e-03	-0.02	4.31
103	179	9.03	0.02	-1.70e-04	-6.48	0.0	-4.96	11.53	0.04	7.47e-03	-2.33e-03	3.73
		3.73	-2.33e-03	-3.16e-05	0.0	59.1	-4.96	5.05	0.04	7.47e-03	0.02	9.03
103	186	4.56	-2.38e-03	-2.02e-05	-6.48	0.0	8.15	1.69	-0.03	0.01	-2.38e-03	4.54
		3.04	-0.02	2.58e-05	0.0	59.1	8.15	-4.79	-0.03	0.01	-0.02	3.04
103	187	10.31	0.02	-2.00e-04	-6.48	0.0	-8.15	13.63	0.04	-0.01	-1.56e-03	3.58
		3.58	-1.56e-03	-2.75e-05	0.0	59.1	-8.15	7.15	0.04	-0.01	0.02	10.31
103	210	4.70	-1.56e-03	-3.30e-05	-6.48	0.0	5.79	3.13	-0.03	-0.01	-1.56e-03	4.45
		3.92	-0.02	3.34e-05	0.0	59.1	5.79	-3.34	-0.03	-0.01	-0.02	3.92
103	211	9.43	0.03	-1.81e-04	-6.48	0.0	-5.79	12.18	0.05	8.77e-03	-2.38e-03	3.67
		3.67	-2.38e-03	-3.51e-05	0.0	59.1	-5.79	5.70	0.05	8.77e-03	0.03	9.43
103	218	4.62	-2.48e-03	-1.17e-05	-6.48	0.0	9.49	0.70	-0.03	0.01	-2.48e-03	4.62
		2.44	-0.02	3.14e-05	0.0	59.1	9.49	-5.78	-0.03	0.01	-0.02	2.44
103	219	10.91	0.03	-2.16e-04	-6.48	0.0	-9.48	14.62	0.05	-0.01	-1.47e-03	3.51
		3.51	-1.47e-03	-3.32e-05	0.0	59.1	-9.48	8.14	0.05	-0.01	0.03	10.91
103	244	8.45	4.06e-03	-1.29e-04	-8.39	0.0	0.43	9.59	0.01	3.79e-04	-2.34e-03	5.26
		5.26	-2.34e-03	0.0	0.0	59.1	0.43	1.19	0.01	3.79e-04	4.06e-03	8.45
103	251	7.40	3.67e-03	-1.13e-04	-6.96	0.0	0.67	8.15	9.78e-03	1.38e-03	-1.87e-03	4.64
		4.64	-1.87e-03	0.0	0.0	59.1	0.67	1.19	9.78e-03	1.38e-03	3.67e-03	7.40
103	256	8.69	3.47e-03	-1.34e-04	-8.39	0.0	-0.74	10.01	0.01	-3.79e-03	-2.87e-03	5.26
		5.26	-2.87e-03	-2.64e-06	0.0	59.1	-0.74	1.62	0.01	-3.79e-03	3.47e-03	8.69
103	261	4.97	1.21e-03	-8.30e-05	-3.61	0.0	-1.33	5.44	4.09e-03	-5.38e-03	-1.88e-03	2.82
		2.82	-1.88e-03	-2.89e-06	0.0	59.1	-1.33	1.83	4.09e-03	-5.38e-03	1.21e-03	4.97
103	298	7.00	3.09e-03	-1.09e-04	-6.96	0.0	7.90e-03	8.11	8.64e-03	-9.33e-04	-2.09e-03	4.27
		4.27	-2.09e-03	0.0	0.0	59.1	7.90e-03	1.15	8.64e-03	-9.33e-04	3.09e-03	7.00
103	303	6.65	2.98e-03	-1.04e-04	-6.48	0.0	0.13	7.61	8.27e-03	-4.44e-04	-1.91e-03	4.06
		4.06	-1.91e-03	0.0	0.0	59.1	0.13	1.13	8.27e-03	-4.44e-04	2.98e-03	6.65
103	304	4.75	1.73e-03	-7.78e-05	-3.61	0.0	-0.30	5.07	4.99e-03	-1.68e-03	-1.40e-03	2.82
		2.82	-1.40e-03	0.0	0.0	59.1	-0.30	1.46	4.99e-03	-1.68e-03	1.73e-03	4.75
103	305	6.73	2.78e-03	-1.06e-04	-6.48	0.0	-0.26	7.75	7.93e-03	-1.83e-03	-2.09e-03	4.06
		4.06	-2.09e-03	-1.35e-06	0.0	59.1	-0.26	1.27	7.93e-03	-1.83e-03	2.78e-03	6.73
103	309	4.70	1.86e-03	-7.65e-05	-3.61	0.0	-0.04	4.98	5.22e-03	-7.50e-04	-1.29e-03	2.82
		2.82	-1.29e-03	0.0	0.0	59.1	-0.04	1.37	5.22e-03	-7.50e-04	1.86e-03	4.70
103	310	6.67	2.91e-03	-1.05e-04	-6.48	0.0	1.65e-03	7.66	8.15e-03	-9.07e-04	-1.97e-03	4.06
		4.06	-1.97e-03	0.0	0.0	59.1	1.65e-03	1.18	8.15e-03	-9.07e-04	2.91e-03	6.67
104	4	12.14	0.06	8.39e-05	-12.19	0.0	2.99	2.07	0.09	1.71e-03	5.69e-03	12.04
		9.66	5.69e-03	0.0	0.0	59.1	2.99	-10.12	0.09	1.71e-03	0.06	9.66
104	19	4.19	0.02	2.38e-05	-3.29	0.0	1.61	0.31	0.02	3.39e-03	1.97e-03	4.18
		3.40	1.97e-03	1.64e-06	0.0	59.1	1.61	-2.97	0.02	3.39e-03	0.02	3.40
104	28	12.50	0.07	8.79e-05	-12.19	0.0	1.66	1.95	0.11	-5.37e-03	5.22e-03	12.41
		9.96	5.22e-03	-3.03e-06	0.0	59.1	1.66	-10.24	0.11	-5.37e-03	0.07	9.96
104	45	4.80	0.03	3.06e-05	-3.29	0.0	-0.61	0.12	0.05	-8.40e-03	1.18e-03	4.80
		3.89	1.18e-03	-3.71e-06	0.0	59.1	-0.61	-3.17	0.05	-8.40e-03	0.03	3.89
104	122	3.72	-0.02	1.87e-05	-6.48	0.0	5.54	2.67	-0.10	9.80e-03	-0.02	3.40
		3.05	-0.07	2.06e-05	0.0	59.1	5.54	-3.81	-0.10	9.80e-03	-0.07	3.05
104	123	9.95	0.14	6.88e-05	-6.48	0.0	-2.80	-0.47	0.21	-0.01	0.02	9.95
		7.77	0.02	-2.14e-05	0.0	59.1	-2.80	-6.95	0.21	-0.01	0.14	7.77
104	154	3.36	-0.02	1.57e-05	-6.48	0.0	6.05	2.86	-0.12	0.01	-0.02	2.99
		2.76	-0.09	2.34e-05	0.0	59.1	6.05	-3.62	-0.12	0.01	-0.09	2.76
104	155	10.36	0.16	7.18e-05	-6.48	0.0	-3.31	-0.66	0.23	-0.01	0.02	10.36
		8.06	0.02	-2.43e-05	0.0	59.1	-3.31	-7.14	0.23	-0.01	0.16	8.06
104	186	3.40	-0.02	1.65e-05	-6.48	0.0	5.97	2.83	-0.12	0.01	-0.02	3.04
		2.79	-0.09	2.46e-05	0.0	59.1	5.97	-3.65	-0.12	0.01	-0.09	2.79
104	187	10.31	0.16	7.10e-05	-6.48	0.0	-3.23	-0.63	0.22	-0.01	0.02	10.31
		8.03	0.02	-2.54e-05	0.0	59.1	-3.23	-7.11	0.22	-0.01	0.16	8.03
104	198	4.39	-0.02	4.38e-05	-6.48	0.0	3.99	2.13	-0.12	0.01	-0.02	4.19
		3.52	-0.09	8.49e-05	0.0	59.1	3.99	-4.35	-0.12	0.01	-0.09	3.52
104	199	9.16	0.16	4.37e-05	-6.48	0.0	-1.25	0.07	0.23	-0.01	0.02	9.16
		7.30	0.02	-8.58e-05	0.0	59.1	-1.25	-6.41	0.23	-0.01	0.16	7.30
104	218	2.87	-0.02	1.23e-05	-6.48	0.0	6.72	3.11	-0.14	0.01	-0.02	2.44
		2.35	-0.11	2.99e-05	0.0	59.1	6.72	-3.37	-0.14	0.01	-0.11	2.35
104	219	10.91	0.18	7.52e-05	-6.48	0.0	-3.98	-0.92	0.25	-0.01	0.03	10.91
		8.46	0.03	-3.08e-05	0.0	59.1	-3.98	-7.40	0.25	-0.01	0.18	8.46
104	230	3.98	-0.02	4.45e-05	-6.48	0.0	4.44	2.31	-0.16	0.02	-0.02	3.74
		3.17	-0.11	1.03e-04	0.0	59.1	4.44	-4.17	-0.16	0.02	-0.11	3.17
104	231	9.61	0.18	4.30e-05	-6.48	0.0	-1.70	-0.11	0.26	-0.02	0.03	9.61
		7.64	0.03	-1.04e-04	0.0	59.1	-1.70	-6.59	0.26	-0.02	0.18	7.64
104	244	8.51	0.04	5.80e-05	-8.39	0.0	2.08	1.39	0.07	1.06e-03	3.94e-03	8.45
		6.79	3.94e-03	0.0	0.0	59.1	2.08	-7.00	0.07	1.06e-03	0.04	6.79
104	248	4.57	0.02	2.71e-05	-3.61	0.0	1.43	0.34	0.03	2.09e-03	2.04e-03	4.56
		3.69	2.04e-03	1.03e-06	0.0	59.1	1.43	-3.27	0.03	2.09e-03	0.02	3.69
104	256	8.75	0.05	6.07e-05	-8.39	0.0	1.19	1.31	0.08	-3.66e-03	3.62e-03	8.69

		6.99	3.62e-03	-2.03e-06	0.0	59.1	1.19	-7.08	0.08	-3.66e-03	0.05	6.99
104	261	4.97	0.03	3.16e-05	-3.61	0.0	-0.05	0.21	0.05	-5.77e-03	1.51e-03	4.97
		4.02	1.51e-03	-2.53e-06	0.0	59.1	-0.05	-3.40	0.05	-5.77e-03	0.03	4.02
104	298	7.07	0.04	4.63e-05	-6.96	0.0	1.44	1.23	0.06	-5.50e-04	3.07e-03	7.00
		5.68	3.07e-03	0.0	0.0	59.1	1.44	-5.73	0.06	-5.50e-04	0.04	5.68
104	302	4.68	0.02	2.83e-05	-3.61	0.0	1.03	0.30	0.03	-3.04e-06	1.90e-03	4.67
		3.78	1.90e-03	0.0	0.0	59.1	1.03	-3.31	0.03	-3.04e-06	0.02	3.78
104	303	6.70	0.03	4.34e-05	-6.48	0.0	1.47	1.11	0.05	-2.30e-05	2.93e-03	6.65
		5.39	2.93e-03	0.0	0.0	59.1	1.47	-5.37	0.05	-2.30e-05	0.03	5.39
104	304	4.76	0.02	2.92e-05	-3.61	0.0	0.74	0.28	0.04	-1.58e-03	1.79e-03	4.75
		3.85	1.79e-03	0.0	0.0	59.1	0.74	-3.33	0.04	-1.58e-03	0.02	3.85
104	309	4.70	0.02	2.86e-05	-3.61	0.0	0.94	0.29	0.04	-5.27e-04	1.86e-03	4.70
		3.80	1.86e-03	0.0	0.0	59.1	0.94	-3.32	0.04	-5.27e-04	0.02	3.80
104	310	6.73	0.03	4.37e-05	-6.48	0.0	1.37	1.10	0.05	-5.47e-04	2.90e-03	6.67
		5.41	2.90e-03	0.0	0.0	59.1	1.37	-5.38	0.05	-5.47e-04	0.03	5.41
105	4	9.66	0.06	2.28e-04	-12.19	0.0	9.08	-1.43	-0.13	-1.28e-04	0.06	9.66
		5.22	-0.01	7.85e-06	0.0	59.1	9.08	-13.62	-0.13	-1.28e-04	-0.01	5.22
105	19	3.40	0.02	7.53e-05	-3.29	0.0	4.11	-1.01	-0.03	2.45e-03	0.02	3.40
		1.83	-4.51e-03	3.48e-06	0.0	59.1	4.11	-4.30	-0.03	2.45e-03	-4.51e-03	1.83
105	28	9.96	0.07	2.34e-04	-12.19	0.0	6.97	-1.50	-0.15	-6.40e-03	0.07	9.96
		5.47	-0.01	6.34e-06	0.0	59.1	6.97	-13.69	-0.15	-6.40e-03	-0.01	5.47
105	45	3.89	0.03	8.65e-05	-3.29	0.0	0.59	-1.14	-0.07	-8.01e-03	0.03	3.89
		2.25	-6.89e-03	0.0	0.0	59.1	0.59	-4.43	-0.07	-8.01e-03	-6.89e-03	2.25
105	76	9.75	0.06	2.30e-04	-12.19	0.0	8.34	-1.47	-0.13	-1.77e-03	0.06	9.75
		5.29	-0.01	6.64e-06	0.0	59.1	8.34	-13.65	-0.13	-1.77e-03	-0.01	5.29
105	122	3.05	-0.02	8.51e-05	-6.48	0.0	-0.83	-0.26	0.11	6.25e-03	-0.08	3.05
		0.99	-0.08	1.56e-05	0.0	59.1	-0.83	-6.74	0.11	6.25e-03	-0.02	0.99
105	123	7.77	0.15	1.64e-04	-6.48	0.0	10.01	-1.48	-0.25	-9.01e-03	0.15	7.77
		4.97	-1.40e-05	-7.58e-06	0.0	59.1	10.01	-7.96	-0.25	-9.01e-03	-1.40e-05	4.97
105	154	2.76	-0.02	8.03e-05	-6.48	0.0	-1.47	-0.18	0.13	7.22e-03	-0.09	2.76
		0.74	-0.09	1.73e-05	0.0	59.1	-1.47	-6.66	0.13	7.22e-03	-0.02	0.74
105	155	8.06	0.16	1.68e-04	-6.48	0.0	10.65	-1.56	-0.27	-9.98e-03	0.16	8.06
		5.22	9.80e-04	-9.25e-06	0.0	59.1	10.65	-8.04	-0.27	-9.98e-03	9.80e-04	5.22
105	186	2.79	-0.02	8.14e-05	-6.48	0.0	-1.09	-0.21	0.12	7.21e-03	-0.09	2.79
		0.76	-0.09	1.86e-05	0.0	59.1	-1.09	-6.69	0.12	7.21e-03	-0.02	0.76
105	187	8.03	0.16	1.67e-04	-6.48	0.0	10.27	-1.54	-0.27	-9.98e-03	0.16	8.03
		5.20	1.19e-03	-1.05e-05	0.0	59.1	10.27	-8.01	-0.27	-9.98e-03	1.19e-03	5.20
105	198	3.52	-0.03	1.18e-04	-6.48	0.0	1.45	-1.16	0.10	-4.20e-03	-0.09	3.52
		0.99	-0.09	7.56e-05	0.0	59.1	1.45	-7.64	0.10	-4.20e-03	-0.03	0.99
105	199	7.30	0.16	1.30e-04	-6.48	0.0	7.72	-0.58	-0.24	1.43e-03	0.16	7.30
		4.97	0.02	-6.76e-05	0.0	59.1	7.72	-7.06	-0.24	1.43e-03	0.02	4.97
105	218	2.35	-0.02	7.46e-05	-6.48	0.0	-1.98	-0.11	0.16	8.63e-03	-0.11	2.35
		0.38	-0.11	2.23e-05	0.0	59.1	-1.98	-6.59	0.16	8.63e-03	-0.02	0.38
105	219	8.46	0.18	1.74e-04	-6.48	0.0	11.15	-1.64	-0.30	-0.01	0.18	8.46
		5.57	2.95e-03	-1.42e-05	0.0	59.1	11.15	-8.12	-0.30	-0.01	2.95e-03	5.57
105	230	3.17	-0.04	1.18e-04	-6.48	0.0	0.96	-1.23	0.13	-4.58e-03	-0.11	3.17
		0.61	-0.11	9.07e-05	0.0	59.1	0.96	-7.71	0.13	-4.58e-03	-0.04	0.61
105	231	7.64	0.18	1.31e-04	-6.48	0.0	8.21	-0.52	-0.27	1.81e-03	0.18	7.64
		5.35	0.02	-8.27e-05	0.0	59.1	8.21	-7.00	-0.27	1.81e-03	0.02	5.35
105	244	6.79	0.04	1.59e-04	-8.39	0.0	6.33	-1.07	-0.09	-2.08e-04	0.04	6.79
		3.67	-9.09e-03	5.48e-06	0.0	59.1	6.33	-9.47	-0.09	-2.08e-04	-9.09e-03	3.67
105	248	3.69	0.02	8.26e-05	-3.61	0.0	3.93	-1.06	-0.04	1.26e-03	0.02	3.69
		2.00	-5.07e-03	3.40e-06	0.0	59.1	3.93	-4.67	-0.04	1.26e-03	-5.07e-03	2.00
105	256	6.99	0.05	1.64e-04	-8.39	0.0	4.92	-1.12	-0.10	-4.39e-03	0.05	6.99
		3.84	-0.01	4.47e-06	0.0	59.1	4.92	-9.52	-0.10	-4.39e-03	-0.01	3.84
105	261	4.02	0.03	9.01e-05	-3.61	0.0	1.59	-1.15	-0.07	-5.71e-03	0.03	4.02
		2.28	-6.66e-03	1.73e-06	0.0	59.1	1.59	-4.75	-0.07	-5.71e-03	-6.66e-03	2.28
105	280	6.85	0.04	1.61e-04	-8.39	0.0	5.84	-1.10	-0.09	-1.30e-03	0.04	6.85
		3.72	-0.01	4.67e-06	0.0	59.1	5.84	-9.49	-0.09	-1.30e-03	-0.01	3.72
105	298	5.68	0.04	1.31e-04	-6.96	0.0	4.83	-0.84	-0.08	-1.44e-03	0.04	5.68
		3.13	-7.94e-03	4.23e-06	0.0	59.1	4.83	-7.79	-0.08	-1.44e-03	-7.94e-03	3.13
105	302	3.78	0.02	8.46e-05	-3.61	0.0	3.30	-1.08	-0.05	-5.96e-04	0.02	3.78
		2.07	-5.50e-03	2.96e-06	0.0	59.1	3.30	-4.69	-0.05	-5.96e-04	-5.50e-03	2.07
105	304	3.85	0.02	8.61e-05	-3.61	0.0	2.83	-1.10	-0.05	-1.99e-03	0.02	3.85
		2.13	-5.81e-03	2.62e-06	0.0	59.1	2.83	-4.71	-0.05	-1.99e-03	-5.81e-03	2.13
105	309	3.80	0.02	8.51e-05	-3.61	0.0	3.15	-1.09	-0.05	-1.06e-03	0.02	3.80
		2.09	-5.60e-03	2.84e-06	0.0	59.1	3.15	-4.70	-0.05	-1.06e-03	-5.60e-03	2.09
105	310	5.41	0.03	1.24e-04	-6.48	0.0	4.59	-0.87	-0.07	-1.38e-03	0.03	5.41
		2.98	-7.61e-03	4.03e-06	0.0	59.1	4.59	-7.35	-0.07	-1.38e-03	-7.61e-03	2.98
106	4	5.22	-0.01	3.99e-04	-12.19	0.0	6.40	-11.17	-0.15	0.0	-0.01	5.22
		-4.98	-0.10	6.34e-06	0.0	59.1	6.40	-23.35	-0.15	0.0	-0.10	-4.98
106	19	1.83	-4.07e-03	1.38e-04	-3.29	0.0	2.66	-4.68	-0.46	0.0	-4.07e-03	1.83
		-1.91	-0.28	3.97e-06	0.0	59.1	2.66	-7.97	-0.46	0.0	-0.28	-1.91
106	28	5.47	0.50	4.05e-04	-12.19	0.0	5.44	-10.94	0.87	0.0	-0.02	5.47
		-4.59	-0.02	5.47e-06	0.0	59.1	5.44	-23.13	0.87	0.0	0.50	-4.59

106	44	4.92	0.76	3.56e-04	-10.03	0.0	4.21	-9.75	1.31	0.0	-0.01	4.92
		-3.80	-0.01	4.34e-06	0.0	59.1	4.21	-19.79	1.31	0.0	0.76	-3.80
106	45	2.25	0.72	1.48e-04	-3.29	0.0	1.06	-4.30	1.24	0.0	-8.02e-03	2.25
		-1.26	-8.02e-03	-5.20e-06	0.0	59.1	1.06	-7.59	1.24	0.0	0.72	-1.26
106	122	0.99	-0.02	1.99e-04	-6.48	0.0	-5.50	-9.21	-0.40	0.0	-0.02	0.99
		-6.34	-0.25	-3.25e-04	0.0	59.1	-5.50	-15.69	-0.40	0.0	-0.25	-6.34
106	123	4.97	0.38	2.41e-04	-6.48	0.0	12.20	-3.33	0.65	0.0	3.37e-04	4.97
		1.07	3.37e-04	3.32e-04	0.0	59.1	12.20	-9.81	0.65	0.0	0.38	1.07
106	134	1.25	-0.03	2.36e-04	-6.48	0.0	-2.29	-10.04	-2.10	0.0	-0.03	1.25
		-6.57	-1.27	-4.17e-05	0.0	59.1	-2.29	-16.52	-2.10	0.0	-1.27	-6.57
106	137	3.60	1.72	1.84e-04	-6.48	0.0	3.69	-3.84	2.88	0.0	0.02	3.60
		-0.60	0.02	-1.84e-05	0.0	59.1	3.69	-10.32	2.88	0.0	1.72	-0.60
106	140	2.36	-0.03	2.56e-04	-6.48	0.0	3.01	-8.70	-2.64	0.0	-0.03	2.36
		-4.67	-1.59	2.18e-05	0.0	59.1	3.01	-15.17	-2.64	0.0	-1.59	-4.67
106	154	0.74	-0.02	1.97e-04	-6.48	0.0	-6.58	-9.58	-0.47	0.0	-0.02	0.74
		-6.81	-0.29	-3.67e-04	0.0	59.1	-6.58	-16.06	-0.47	0.0	-0.29	-6.81
106	155	5.22	0.42	2.43e-04	-6.48	0.0	13.28	-2.96	0.72	0.0	1.38e-03	5.22
		1.53	1.38e-03	3.74e-04	0.0	59.1	13.28	-9.44	0.72	0.0	0.42	1.53
106	166	1.02	-0.03	2.38e-04	-6.48	0.0	-3.00	-10.53	-2.39	0.0	-0.03	1.02
		-7.08	-1.44	-4.70e-05	0.0	59.1	-3.00	-17.01	-2.39	0.0	-1.44	-7.08
106	169	3.68	1.93	1.79e-04	-6.48	0.0	3.74	-3.52	3.24	0.0	0.02	3.68
		-0.33	0.02	-2.12e-05	0.0	59.1	3.74	-10.00	3.24	0.0	1.93	-0.33
106	172	2.28	-0.04	2.61e-04	-6.48	0.0	2.96	-9.02	-2.99	0.0	-0.04	2.28
		-4.95	-1.81	2.46e-05	0.0	59.1	2.96	-15.50	-2.99	0.0	-1.81	-4.95
106	186	0.76	-0.02	1.98e-04	-6.48	0.0	-6.24	-9.57	-0.50	0.0	-0.02	0.76
		-6.79	-0.31	-3.65e-04	0.0	59.1	-6.24	-16.05	-0.50	0.0	-0.31	-6.79
106	187	5.20	0.44	2.42e-04	-6.48	0.0	12.94	-2.96	0.74	0.0	1.57e-03	5.20
		1.52	1.57e-03	3.72e-04	0.0	59.1	12.94	-9.44	0.74	0.0	0.44	1.52
106	198	0.99	-0.03	2.40e-04	-6.48	0.0	-2.92	-10.64	-2.40	0.0	-0.03	0.99
		-7.18	-1.45	-4.38e-05	0.0	59.1	-2.92	-17.12	-2.40	0.0	-1.45	-7.18
106	201	3.71	1.96	1.78e-04	-6.48	0.0	3.75	-3.43	3.28	0.0	0.02	3.71
		-0.24	0.02	-2.25e-05	0.0	59.1	3.75	-9.91	3.28	0.0	1.96	-0.24
106	204	2.25	-0.04	2.62e-04	-6.48	0.0	2.95	-9.11	-3.03	0.0	-0.04	2.25
		-5.03	-1.83	2.60e-05	0.0	59.1	2.95	-15.58	-3.03	0.0	-1.83	-5.03
106	218	0.38	-0.02	1.95e-04	-6.48	0.0	-7.80	-10.15	-0.62	0.0	-0.02	0.38
		-7.51	-0.38	-4.29e-04	0.0	59.1	-7.80	-16.63	-0.62	0.0	-0.38	-7.51
106	219	5.57	0.51	2.45e-04	-6.48	0.0	14.50	-2.38	0.86	0.0	3.41e-03	5.57
		2.23	3.41e-03	4.36e-04	0.0	59.1	14.50	-8.86	0.86	0.0	0.51	2.23
106	230	0.61	-0.04	2.44e-04	-6.48	0.0	-4.04	-11.51	-2.88	0.0	-0.04	0.61
		-8.07	-1.74	-4.98e-05	0.0	59.1	-4.04	-17.99	-2.88	0.0	-1.74	-8.07
106	233	3.85	2.31	1.70e-04	-6.48	0.0	3.83	-2.88	3.87	0.0	0.03	3.85
		0.23	0.03	-2.76e-05	0.0	59.1	3.83	-9.36	3.87	0.0	2.31	0.23
106	236	2.11	-0.04	2.70e-04	-6.48	0.0	2.87	-9.65	-3.63	0.0	-0.04	2.11
		-5.50	-2.19	3.12e-05	0.0	59.1	2.87	-16.13	-3.63	0.0	-2.19	-5.50
106	244	3.67	-8.99e-03	2.79e-04	-8.39	0.0	4.47	-7.91	-0.09	0.0	-8.99e-03	3.67
		-3.48	-0.06	4.42e-06	0.0	59.1	4.47	-16.30	-0.09	0.0	-0.06	-3.48
106	248	2.00	-4.82e-03	1.49e-04	-3.61	0.0	2.64	-4.90	-0.27	0.0	-4.82e-03	2.00
		-1.96	-0.16	3.15e-06	0.0	59.1	2.64	-8.51	-0.27	0.0	-0.16	-1.96
106	256	3.84	0.34	2.83e-04	-8.39	0.0	3.83	-7.76	0.59	0.0	-0.01	3.84
		-3.22	-0.01	3.84e-06	0.0	59.1	3.83	-16.15	0.59	0.0	0.34	-3.22
106	261	2.28	0.50	1.56e-04	-3.61	0.0	1.57	-4.65	0.86	0.0	-7.44e-03	2.28
		-1.53	-7.44e-03	-3.12e-06	0.0	59.1	1.57	-8.26	0.86	0.0	0.50	-1.53
106	264	3.48	0.51	2.51e-04	-6.96	0.0	3.01	-6.97	0.89	0.0	-0.01	3.48
		-2.69	-0.01	3.09e-06	0.0	59.1	3.01	-13.92	0.89	0.0	0.51	-2.69
106	298	3.13	0.06	2.31e-04	-6.96	0.0	3.53	-6.51	0.12	0.0	-8.04e-03	3.13
		-2.77	-8.04e-03	3.47e-06	0.0	59.1	3.53	-13.47	0.12	0.0	0.06	-2.77
106	304	2.13	0.15	1.52e-04	-3.61	0.0	2.14	-4.78	0.26	0.0	-6.04e-03	2.13
		-1.76	-6.04e-03	2.19e-06	0.0	59.1	2.14	-8.39	0.26	0.0	0.15	-1.76
106	305	3.02	0.15	2.21e-04	-6.48	0.0	3.21	-6.23	0.27	0.0	-8.05e-03	3.02
		-2.58	-8.05e-03	3.18e-06	0.0	59.1	3.21	-12.71	0.27	0.0	0.15	-2.58
106	309	2.09	0.06	1.51e-04	-3.61	0.0	2.28	-4.82	0.11	0.0	-5.69e-03	2.09
		-1.82	-5.69e-03	2.32e-06	0.0	59.1	2.28	-8.43	0.11	0.0	0.06	-1.82
106	310	2.98	0.06	2.20e-04	-6.48	0.0	3.35	-6.27	0.12	0.0	-7.70e-03	2.98
		-2.64	-7.70e-03	3.30e-06	0.0	59.1	3.35	-12.75	0.12	0.0	0.06	-2.64
107	4	-4.86	-0.09	1.66e-04	-0.30	0.0	4.80	-1.33	-0.16	0.02	-0.09	-4.86
		-5.63	-0.18	-4.47e-06	0.0	52.6	4.80	-1.63	-0.16	0.02	-0.18	-5.63
107	19	-1.84	-0.27	5.12e-05	-0.23	0.0	1.80	-0.26	-0.11	9.94e-03	-0.27	-1.84
		-2.04	-0.33	-2.72e-05	0.0	52.6	1.80	-0.49	-0.11	9.94e-03	-0.33	-2.04
107	44	-3.76	0.77	1.66e-04	-0.30	0.0	4.04	-1.91	-0.04	2.02e-03	0.77	-3.76
		-4.84	0.75	8.66e-05	0.0	52.6	4.04	-2.21	-0.04	2.02e-03	0.75	-4.84
107	45	-1.28	0.73	7.78e-05	-0.23	0.0	1.64	-1.15	0.01	-4.92e-03	0.73	-1.28
		-1.94	0.73	7.94e-05	0.0	52.6	1.64	-1.39	0.01	-4.92e-03	0.73	-1.94
107	122	-3.35	0.21	-3.19e-05	-0.23	0.0	-19.07	4.11	0.44	6.01e-03	-0.26	-5.44
		-5.44	-0.26	0.0	0.0	52.6	-19.07	3.88	0.44	6.01e-03	0.21	-3.35
107	123	0.28	0.40	2.20e-04	-0.23	0.0	24.44	-5.82	-0.61	9.19e-03	0.40	0.28

		-2.82	-0.16	1.98e-05	0.0	52.6	24.44	-6.05	-0.61	9.19e-03	-0.16	-2.82
107	134	-3.22	0.86	-2.51e-05	-0.23	0.0	-10.52	5.51	2.17	0.03	-1.33	-6.03
		-6.03	-1.33	-4.75e-05	0.0	52.6	-10.52	5.28	2.17	0.03	0.86	-3.22
107	135	0.87	1.47	2.13e-04	-0.23	0.0	15.88	-7.22	-2.34	-0.02	1.47	0.87
		-2.96	-0.81	6.81e-05	0.0	52.6	15.88	-7.45	-2.34	-0.02	-0.81	-2.96
107	137	-0.49	1.82	1.45e-04	-0.23	0.0	2.52	-4.93	-2.77	-0.02	1.82	-0.49
		-3.17	-0.44	1.73e-04	0.0	52.6	2.52	-5.16	-2.77	-0.02	-0.44	-3.17
107	140	-3.01	0.49	4.30e-05	-0.23	0.0	2.84	3.23	2.61	0.04	-1.68	-4.67
		-4.67	-1.68	-1.52e-04	0.0	52.6	2.84	3.00	2.61	0.04	0.49	-3.01
107	154	-3.39	0.23	-4.77e-05	-0.23	0.0	-21.76	4.74	0.51	5.87e-03	-0.30	-5.80
		-5.80	-0.30	0.0	0.0	52.6	-21.76	4.51	0.51	5.87e-03	0.23	-3.39
107	155	0.64	0.44	2.36e-04	-0.23	0.0	27.13	-6.45	-0.68	9.33e-03	0.44	0.64
		-2.79	-0.18	2.11e-05	0.0	52.6	27.13	-6.68	-0.68	9.33e-03	-0.18	-2.79
107	166	-3.23	0.96	-4.06e-05	-0.23	0.0	-12.17	6.35	2.47	0.04	-1.51	-6.48
		-6.48	-1.51	-5.51e-05	0.0	52.6	-12.17	6.12	2.47	0.04	0.96	-3.23
107	167	1.33	1.65	2.29e-04	-0.23	0.0	17.53	-8.06	-2.64	-0.02	1.65	1.33
		-2.94	-0.92	7.57e-05	0.0	52.6	17.53	-8.29	-2.64	-0.02	-0.92	-2.94
107	169	-0.21	2.05	1.52e-04	-0.23	0.0	2.50	-5.48	-3.13	-0.03	2.05	-0.21
		-3.18	-0.50	1.94e-04	0.0	52.6	2.50	-5.71	-3.13	-0.03	-0.50	-3.18
107	172	-3.00	0.55	3.61e-05	-0.23	0.0	2.86	3.77	2.96	0.04	-1.91	-4.95
		-4.95	-1.91	-1.73e-04	0.0	52.6	2.86	3.54	2.96	0.04	0.55	-3.00
107	186	-3.38	0.23	-4.69e-05	-0.23	0.0	-21.25	4.74	0.54	6.23e-03	-0.32	-5.79
		-5.79	-0.32	-1.49e-06	0.0	52.6	-21.25	4.51	0.54	6.23e-03	0.23	-3.38
107	187	0.64	0.45	2.35e-04	-0.23	0.0	26.61	-6.45	-0.71	8.97e-03	0.45	0.64
		-2.80	-0.18	2.21e-05	0.0	52.6	26.61	-6.68	-0.71	8.97e-03	-0.18	-2.80
107	198	-3.23	0.94	-4.33e-05	-0.23	0.0	-12.07	6.55	2.56	0.04	-1.53	-6.59
		-6.59	-1.53	-5.71e-05	0.0	52.6	-12.07	6.32	2.56	0.04	0.94	-3.23
107	199	1.43	1.66	2.31e-04	-0.23	0.0	17.43	-8.26	-2.73	-0.02	1.66	1.43
		-2.95	-0.90	7.77e-05	0.0	52.6	17.43	-8.49	-2.73	-0.02	-0.90	-2.95
107	201	-0.12	2.07	1.54e-04	-0.23	0.0	2.47	-5.63	-3.20	-0.03	2.07	-0.12
		-3.17	-0.48	1.98e-04	0.0	52.6	2.47	-5.86	-3.20	-0.03	-0.48	-3.17
107	204	-3.00	0.52	3.37e-05	-0.23	0.0	2.89	3.93	3.03	0.04	-1.94	-5.03
		-5.03	-1.94	-1.77e-04	0.0	52.6	2.89	3.69	3.03	0.04	0.52	-3.00
107	218	-3.42	0.27	-7.10e-05	-0.23	0.0	-25.17	5.73	0.68	6.33e-03	-0.40	-6.36
		-6.36	-0.40	-4.39e-06	0.0	52.6	-25.17	5.49	0.68	6.33e-03	0.27	-3.42
107	219	1.20	0.53	2.59e-04	-0.23	0.0	30.53	-7.43	-0.85	8.87e-03	0.53	1.20
		-2.75	-0.22	2.50e-05	0.0	52.6	30.53	-7.66	-0.85	8.87e-03	-0.22	-2.75
107	230	-3.25	1.10	-6.98e-05	-0.23	0.0	-14.69	8.01	3.11	0.04	-1.83	-7.37
		-7.37	-1.83	-7.09e-05	0.0	52.6	-14.69	7.78	3.11	0.04	1.10	-3.25
107	231	2.22	1.97	2.58e-04	-0.23	0.0	20.05	-9.72	-3.27	-0.03	1.97	2.22
		-2.92	-1.05	9.15e-05	0.0	52.6	20.05	-9.95	-3.27	-0.03	-1.05	-2.92
107	233	0.35	2.45	1.66e-04	-0.23	0.0	2.44	-6.56	-3.80	-0.04	2.45	0.35
		-3.19	-0.57	2.33e-04	0.0	52.6	2.44	-6.79	-3.80	-0.04	-0.57	-3.19
107	236	-2.99	0.61	2.18e-05	-0.23	0.0	2.92	4.85	3.63	0.05	-2.31	-5.51
		-5.51	-2.31	-2.12e-04	0.0	52.6	2.92	4.62	3.63	0.05	0.61	-2.99
107	244	-3.39	-0.06	1.16e-04	-0.23	0.0	3.37	-0.94	-0.11	0.01	-0.06	-3.39
		-3.95	-0.12	-2.04e-06	0.0	52.6	3.37	-1.17	-0.11	0.01	-0.12	-3.95
107	248	-1.90	-0.16	5.85e-05	-0.23	0.0	1.89	-0.39	-0.10	8.63e-03	-0.16	-1.90
		-2.17	-0.21	-1.50e-05	0.0	52.6	1.89	-0.62	-0.10	8.63e-03	-0.21	-2.17
107	261	-1.53	0.51	7.62e-05	-0.23	0.0	1.79	-0.99	-0.02	-1.28e-03	0.51	-1.53
		-2.11	0.50	5.60e-05	0.0	52.6	1.79	-1.22	-0.02	-1.28e-03	0.50	-2.11
107	264	-2.66	0.52	1.17e-04	-0.23	0.0	2.87	-1.33	-0.04	1.83e-03	0.52	-2.66
		-3.42	0.50	5.87e-05	0.0	52.6	2.87	-1.56	-0.04	1.83e-03	0.50	-3.42
107	298	-2.71	0.07	9.90e-05	-0.23	0.0	2.82	-0.90	-0.09	7.98e-03	0.07	-2.71
		-3.24	0.02	1.06e-05	0.0	52.6	2.82	-1.13	-0.09	7.98e-03	0.02	-3.24
107	302	-1.80	0.02	6.32e-05	-0.23	0.0	1.86	-0.55	-0.08	5.99e-03	0.02	-1.80
		-2.15	-0.02	3.95e-06	0.0	52.6	1.86	-0.78	-0.08	5.99e-03	-0.02	-2.15
107	304	-1.73	0.15	6.67e-05	-0.23	0.0	1.84	-0.67	-0.06	4.01e-03	0.15	-1.73
		-2.14	0.12	1.82e-05	0.0	52.6	1.84	-0.90	-0.06	4.01e-03	0.12	-2.14
107	305	-2.53	0.16	9.64e-05	-0.23	0.0	2.67	-0.93	-0.07	6.28e-03	0.16	-2.53
		-3.08	0.12	1.98e-05	0.0	52.6	2.67	-1.16	-0.07	6.28e-03	0.12	-3.08
107	309	-1.78	0.06	6.44e-05	-0.23	0.0	1.86	-0.59	-0.07	5.33e-03	0.06	-1.78
		-2.15	0.02	8.68e-06	0.0	52.6	1.86	-0.82	-0.07	5.33e-03	0.02	-2.15
107	310	-2.58	0.07	9.40e-05	-0.23	0.0	2.68	-0.85	-0.08	7.60e-03	0.07	-2.58
		-3.09	0.02	1.03e-05	0.0	52.6	2.68	-1.08	-0.08	7.60e-03	0.02	-3.09
108	4	-4.75	-0.12	9.59e-05	-0.30	0.0	2.52	1.83	0.12	0.02	-0.18	-5.63
		-5.63	-0.18	-2.39e-05	0.0	52.6	2.52	1.53	0.12	0.02	-0.12	-4.75
108	19	-1.78	-0.30	2.91e-05	-0.23	0.0	1.15	0.61	0.05	7.50e-03	-0.33	-2.04
		-2.04	-0.33	-6.21e-05	0.0	52.6	1.15	0.38	0.05	7.50e-03	-0.30	-1.78
108	44	-4.04	0.74	9.79e-05	-0.30	0.0	1.60	1.67	-3.63e-03	9.75e-03	0.74	-4.84
		-4.84	0.72	1.63e-04	0.0	52.6	1.60	1.37	-3.63e-03	9.75e-03	0.72	-4.04
108	45	-1.63	0.73	4.64e-05	-0.23	0.0	0.43	0.71	-0.06	1.62e-03	0.73	-1.94
		-1.94	0.68	1.55e-04	0.0	52.6	0.43	0.48	-0.06	1.62e-03	0.68	-1.63
108	122	-3.35	0.39	3.73e-06	-0.23	0.0	-16.37	-1.26	0.53	0.01	0.21	-3.35
		-4.05	0.21	1.19e-05	0.0	52.6	-16.37	-1.49	0.53	0.01	0.39	-4.05

108	123	-1.18	-0.16	1.09e-04	-0.23	0.0	19.10	3.29	-0.45	5.60e-03	-0.16	-2.82
		-2.82	-0.30	1.27e-05	0.0	52.6	19.10	3.06	-0.45	5.60e-03	-0.30	-1.18
108	129	-1.25	-0.77	3.84e-05	-0.23	0.0	4.40	3.61	-2.11	-0.04	-0.77	-3.08
		-3.08	-1.52	5.44e-05	0.0	52.6	4.40	3.38	-2.11	-0.04	-1.52	-1.25
108	132	-3.10	1.61	7.08e-05	-0.23	0.0	-1.67	-1.58	2.20	0.06	0.82	-3.10
		-3.98	0.82	-3.43e-05	0.0	52.6	-1.67	-1.81	2.20	0.06	1.61	-3.98
108	134	-3.22	1.48	3.34e-05	-0.23	0.0	-9.46	-2.32	2.01	0.05	0.86	-3.22
		-4.47	0.86	-2.83e-05	0.0	52.6	-9.46	-2.55	2.01	0.05	1.48	-4.47
108	135	-0.76	-0.82	7.59e-05	-0.23	0.0	12.19	4.35	-1.93	-0.03	-0.82	-2.96
		-2.96	-1.39	4.72e-05	0.0	52.6	12.19	4.12	-1.93	-0.03	-1.39	-0.76
108	154	-3.39	0.44	-6.31e-06	-0.23	0.0	-18.56	-1.55	0.60	0.01	0.23	-3.39
		-4.23	0.23	1.17e-05	0.0	52.6	-18.56	-1.78	0.60	0.01	0.44	-4.23
108	155	-1.00	-0.19	1.16e-04	-0.23	0.0	21.30	3.58	-0.51	5.14e-03	-0.19	-2.79
		-2.79	-0.35	1.29e-05	0.0	52.6	21.30	3.35	-0.51	5.14e-03	-0.35	-1.00
108	161	-1.07	-0.87	3.63e-05	-0.23	0.0	4.80	3.95	-2.40	-0.05	-0.87	-3.08
		-3.08	-1.73	6.01e-05	0.0	52.6	4.80	3.72	-2.40	-0.05	-1.73	-1.07
108	164	-3.10	1.81	7.29e-05	-0.23	0.0	-2.07	-1.93	2.48	0.07	0.92	-3.10
		-4.16	0.92	-4.00e-05	0.0	52.6	-2.07	-2.16	2.48	0.07	1.81	-4.16
108	166	-3.23	1.66	3.07e-05	-0.23	0.0	-10.82	-2.76	2.27	0.06	0.97	-3.23
		-4.71	0.97	-3.31e-05	0.0	52.6	-10.82	-2.99	2.27	0.06	1.66	-4.71
108	167	-0.52	-0.92	7.85e-05	-0.23	0.0	13.55	4.79	-2.19	-0.04	-0.92	-2.94
		-2.94	-1.58	5.21e-05	0.0	52.6	13.55	4.55	-2.19	-0.04	-1.58	-0.52
108	186	-3.38	0.45	-5.31e-06	-0.23	0.0	-18.14	-1.56	0.63	0.01	0.23	-3.38
		-4.23	0.23	1.05e-05	0.0	52.6	-18.14	-1.79	0.63	0.01	0.45	-4.23
108	187	-1.00	-0.19	1.15e-04	-0.23	0.0	20.88	3.59	-0.54	4.86e-03	-0.19	-2.80
		-2.80	-0.36	1.41e-05	0.0	52.6	20.88	3.36	-0.54	4.86e-03	-0.36	-1.00
108	193	-1.00	-0.86	3.64e-05	-0.23	0.0	4.96	4.08	-2.47	-0.05	-0.86	-3.08
		-3.08	-1.75	6.19e-05	0.0	52.6	4.96	3.85	-2.47	-0.05	-1.75	-1.00
108	196	-3.10	1.84	7.28e-05	-0.23	0.0	-2.22	-2.05	2.56	0.07	0.90	-3.10
		-4.23	0.90	-4.15e-05	0.0	52.6	-2.22	-2.28	2.56	0.07	1.84	-4.23
108	198	-3.23	1.69	3.10e-05	-0.23	0.0	-10.74	-2.87	2.34	0.06	0.95	-3.23
		-4.77	0.95	-3.45e-05	0.0	52.6	-10.74	-3.10	2.34	0.06	1.69	-4.77
108	199	-0.46	-0.90	7.82e-05	-0.23	0.0	13.47	4.90	-2.26	-0.04	-0.90	-2.95
		-2.95	-1.61	5.38e-05	0.0	52.6	13.47	4.67	-2.26	-0.04	-1.61	-0.46
108	218	-3.42	0.53	-1.50e-05	-0.23	0.0	-21.35	-2.02	0.75	0.01	0.27	-3.42
		-4.52	0.27	9.27e-06	0.0	52.6	-21.35	-2.25	0.75	0.01	0.53	-4.52
108	219	-0.71	-0.22	1.24e-04	-0.23	0.0	24.08	4.05	-0.66	3.86e-03	-0.22	-2.75
		-2.75	-0.44	1.54e-05	0.0	52.6	24.08	3.81	-0.66	3.86e-03	-0.44	-0.71
108	225	-0.66	-1.01	3.32e-05	-0.23	0.0	5.73	4.72	-2.99	-0.06	-1.01	-3.07
		-3.07	-2.10	7.24e-05	0.0	52.6	5.73	4.49	-2.99	-0.06	-2.10	-0.66
108	228	-3.10	2.19	7.60e-05	-0.23	0.0	-3.00	-2.69	3.07	0.08	1.05	-3.10
		-4.57	1.05	-5.18e-05	0.0	52.6	-3.00	-2.92	3.07	0.08	2.19	-4.57
108	230	-3.25	2.01	2.71e-05	-0.23	0.0	-12.90	-3.64	2.81	0.07	1.10	-3.25
		-5.19	1.10	-4.36e-05	0.0	52.6	-12.90	-3.87	2.81	0.07	2.01	-5.19
108	231	-0.04	-1.06	8.21e-05	-0.23	0.0	15.63	5.67	-2.73	-0.05	-1.06	-2.92
		-2.92	-1.92	6.31e-05	0.0	52.6	15.63	5.44	-2.73	-0.05	-1.92	-0.04
108	244	-3.33	-0.07	6.72e-05	-0.23	0.0	1.77	1.28	0.08	0.01	-0.12	-3.95
		-3.95	-0.12	-1.47e-05	0.0	52.6	1.77	1.05	0.08	0.01	-0.07	-3.33
108	248	-1.88	-0.19	3.35e-05	-0.23	0.0	1.12	0.67	0.04	7.25e-03	-0.21	-2.17
		-2.17	-0.21	-3.76e-05	0.0	52.6	1.12	0.44	0.04	7.25e-03	-0.19	-1.88
108	261	-1.78	0.50	4.51e-05	-0.23	0.0	0.65	0.73	-0.03	3.32e-03	0.50	-2.11
		-2.11	0.47	1.07e-04	0.0	52.6	0.65	0.50	-0.03	3.32e-03	0.47	-1.78
108	264	-2.86	0.50	6.86e-05	-0.23	0.0	1.16	1.18	-2.28e-03	7.03e-03	0.50	-3.42
		-3.42	0.48	1.10e-04	0.0	52.6	1.16	0.94	-2.28e-03	7.03e-03	0.48	-2.86
108	298	-2.74	0.05	5.75e-05	-0.23	0.0	1.43	1.07	0.05	9.19e-03	0.02	-3.24
		-3.24	0.02	1.25e-05	0.0	52.6	1.43	0.84	0.05	9.19e-03	0.05	-2.74
108	302	-1.85	-0.01	3.66e-05	-0.23	0.0	0.99	0.69	0.02	6.20e-03	-0.03	-2.15
		-2.15	-0.03	1.05e-06	0.0	52.6	0.99	0.46	0.02	6.20e-03	-0.01	-1.85
108	304	-1.83	0.12	3.89e-05	-0.23	0.0	0.90	0.70	7.01e-03	5.42e-03	0.12	-2.14
		-2.14	0.12	3.00e-05	0.0	52.6	0.90	0.47	7.01e-03	5.42e-03	0.12	-1.83
108	305	-2.60	0.13	5.61e-05	-0.23	0.0	1.30	1.02	0.03	8.20e-03	0.12	-3.08
		-3.08	0.12	3.16e-05	0.0	52.6	1.30	0.79	0.03	8.20e-03	0.13	-2.60
108	309	-1.85	0.03	3.74e-05	-0.23	0.0	0.96	0.69	0.02	5.94e-03	0.02	-2.15
		-2.15	0.02	1.07e-05	0.0	52.6	0.96	0.46	0.02	5.94e-03	0.03	-1.85
108	310	-2.61	0.04	5.46e-05	-0.23	0.0	1.37	1.01	0.04	8.73e-03	0.02	-3.09
		-3.09	0.02	1.23e-05	0.0	52.6	1.37	0.78	0.04	8.73e-03	0.04	-2.61
109	16	-0.20	-7.71e-03	3.53e-05	-4.46	0.0	-0.55	2.92	-0.02	4.27e-03	-7.71e-03	-0.70
		-0.70	-0.02	-1.04e-06	0.0	52.6	-0.55	-1.54	-0.02	4.27e-03	-0.02	-0.33
109	18	0.04	-8.89e-03	6.76e-05	-8.93	0.0	-0.99	5.38	-0.02	4.11e-03	-8.89e-03	-0.81
		-0.81	-0.02	-3.39e-06	0.0	52.6	-0.99	-3.55	-0.02	4.11e-03	-0.02	-0.33
109	43	0.79	0.04	9.74e-05	-8.93	0.0	-0.88	5.38	0.02	-0.01	0.03	-0.06
		-0.06	0.03	-7.27e-06	0.0	52.6	-0.88	-3.55	0.02	-0.01	0.04	0.42
109	45	0.52	0.04	5.08e-05	-2.93	0.0	-0.27	1.97	0.01	-0.01	0.03	0.17
		0.17	0.03	-4.24e-06	0.0	52.6	-0.27	-0.96	0.01	-0.01	0.04	0.44
109	47	0.75	0.04	8.31e-05	-7.40	0.0	-0.71	4.43	0.02	-0.01	0.03	0.06

		0.06	0.03	-6.59e-06	0.0	52.6	-0.71	-2.97	0.02	-0.01	0.04	0.44
109	52	0.38	4.33e-03	9.32e-05	-10.85	0.0	-1.20	6.46	8.76e-03	-1.34e-03	-3.84e-04	-0.63
		-0.63	-3.84e-04	-5.64e-06	0.0	52.6	-1.20	-4.39	8.76e-03	-1.34e-03	4.33e-03	-0.09
109	122	-4.39	0.22	-1.17e-04	-5.77	0.0	-3.91	1.98	0.73	0.01	-0.17	-4.56
		-5.04	-0.17	4.84e-05	0.0	52.6	-3.91	-3.79	0.73	0.01	0.22	-5.04
109	123	4.95	0.17	2.16e-04	-5.77	0.0	2.70	4.96	-0.74	-0.02	0.17	3.83
		3.83	-0.22	-5.43e-05	0.0	52.6	2.70	-0.81	-0.74	-0.02	-0.22	4.92
109	130	-1.97	0.67	-9.71e-05	-5.77	0.0	-1.95	2.77	1.15	0.03	0.04	-2.32
		-2.38	0.04	1.14e-04	0.0	52.6	-1.95	-2.99	1.15	0.03	0.67	-2.38
109	131	2.37	-0.04	1.96e-04	-5.77	0.0	0.74	4.16	-1.16	-0.03	-0.04	1.58
		1.58	-0.67	-1.20e-04	0.0	52.6	0.74	-1.60	-1.16	-0.03	-0.67	2.26
109	154	-4.94	0.25	-1.37e-04	-5.77	0.0	-4.32	1.80	0.82	0.02	-0.19	-5.09
		-5.66	-0.19	5.50e-05	0.0	52.6	-4.32	-3.97	0.82	0.02	0.25	-5.66
109	155	5.55	0.19	2.36e-04	-5.77	0.0	3.11	5.14	-0.83	-0.02	0.19	4.35
		4.35	-0.25	-6.09e-05	0.0	52.6	3.11	-0.62	-0.83	-0.02	-0.25	5.53
109	162	-2.24	0.76	-1.15e-04	-5.77	0.0	-2.11	2.69	1.30	0.03	0.05	-2.56
		-2.67	0.05	1.30e-04	0.0	52.6	-2.11	-3.08	1.30	0.03	0.76	-2.67
109	163	2.65	-0.05	2.14e-04	-5.77	0.0	0.90	4.25	-1.31	-0.03	-0.05	1.83
		1.83	-0.76	-1.36e-04	0.0	52.6	0.90	-1.52	-1.31	-0.03	-0.76	2.54
109	186	-4.86	0.26	-1.34e-04	-5.77	0.0	-4.26	1.82	0.83	0.02	-0.18	-5.02
		-5.57	-0.18	5.57e-05	0.0	52.6	-4.26	-3.95	0.83	0.02	0.26	-5.57
109	187	5.47	0.19	2.33e-04	-5.77	0.0	3.04	5.12	-0.84	-0.02	0.19	4.28
		4.28	-0.26	-6.16e-05	0.0	52.6	3.04	-0.65	-0.84	-0.02	-0.26	5.45
109	194	-2.21	0.78	-1.11e-04	-5.77	0.0	-2.07	2.70	1.34	0.03	0.05	-2.54
		-2.64	0.05	1.35e-04	0.0	52.6	-2.07	-3.07	1.34	0.03	0.78	-2.64
109	195	2.62	-0.05	2.10e-04	-5.77	0.0	0.86	4.24	-1.34	-0.03	-0.05	1.80
		1.80	-0.78	-1.41e-04	0.0	52.6	0.86	-1.53	-1.34	-0.03	-0.78	2.51
109	218	-5.67	0.31	-1.64e-04	-5.77	0.0	-4.85	1.55	0.98	0.02	-0.21	-5.78
		-6.48	-0.21	6.66e-05	0.0	52.6	-4.85	-4.22	0.98	0.02	0.31	-6.48
109	219	6.36	0.22	2.64e-04	-5.77	0.0	3.64	5.39	-0.98	-0.02	0.22	5.04
		5.04	-0.31	-7.25e-05	0.0	52.6	3.64	-0.38	-0.98	-0.02	-0.31	6.36
109	226	-2.62	0.94	-1.39e-04	-5.77	0.0	-2.32	2.56	1.60	0.04	0.07	-2.92
		-3.09	0.07	1.63e-04	0.0	52.6	-2.32	-3.21	1.60	0.04	0.94	-3.09
109	227	3.06	-0.06	2.38e-04	-5.77	0.0	1.10	4.38	-1.61	-0.04	-0.06	2.19
		2.19	-0.94	-1.69e-04	0.0	52.6	1.10	-1.39	-1.61	-0.04	-0.94	2.97
109	249	-0.13	-4.86e-03	2.60e-05	-3.21	0.0	-0.40	2.11	-0.02	2.77e-03	-4.86e-03	-0.50
		-0.50	-0.01	0.0	0.0	52.6	-0.40	-1.10	-0.02	2.77e-03	-0.01	-0.23
109	251	0.02	-5.64e-03	4.76e-05	-6.19	0.0	-0.69	3.75	-0.01	2.66e-03	-5.64e-03	-0.57
		-0.57	-0.01	-2.41e-06	0.0	52.6	-0.69	-2.44	-0.01	2.66e-03	-0.01	-0.23
109	261	0.37	0.03	4.58e-05	-3.21	0.0	-0.32	2.11	7.46e-03	-8.65e-03	0.02	3.51e-03
		3.51e-03	0.02	-3.43e-06	0.0	52.6	-0.32	-1.10	7.46e-03	-8.65e-03	0.03	0.27
109	263	0.53	0.03	6.74e-05	-6.19	0.0	-0.61	3.75	9.49e-03	-8.75e-03	0.02	-0.07
		-0.07	0.02	-4.99e-06	0.0	52.6	-0.61	-2.44	9.49e-03	-8.75e-03	0.03	0.27
109	268	0.25	2.90e-03	6.47e-05	-7.47	0.0	-0.83	4.47	5.31e-03	-9.70e-04	2.61e-05	-0.45
		-0.45	2.61e-05	-3.91e-06	0.0	52.6	-0.83	-3.00	5.31e-03	-9.70e-04	2.90e-03	-0.07
109	298	0.20	2.01e-03	5.26e-05	-6.19	0.0	-0.65	3.70	-3.70e-03	-9.34e-04	2.01e-03	-0.38
		-0.38	1.69e-04	-3.18e-06	0.0	52.6	-0.65	-2.49	-3.70e-03	-9.34e-04	1.69e-04	-0.06
109	302	0.01	1.04e-03	2.96e-05	-3.21	0.0	-0.36	2.06	-7.05e-03	-4.81e-05	1.04e-03	-0.34
		-0.34	-2.65e-03	-1.43e-06	0.0	52.6	-0.36	-1.15	-7.05e-03	-4.81e-05	-2.65e-03	-0.10
109	303	0.15	3.63e-04	4.81e-05	-5.77	0.0	-0.61	3.46	-5.31e-03	-1.37e-04	3.63e-04	-0.40
		-0.40	-2.41e-03	-2.77e-06	0.0	52.6	-0.61	-2.30	-5.31e-03	-1.37e-04	-2.41e-03	-0.10
109	304	0.11	6.32e-03	3.40e-05	-3.21	0.0	-0.35	2.07	-3.09e-03	-2.39e-03	6.32e-03	-0.24
		-0.24	4.96e-03	-1.97e-06	0.0	52.6	-0.35	-1.14	-3.09e-03	-2.39e-03	4.96e-03	3.31e-03
109	305	0.24	5.65e-03	5.25e-05	-5.77	0.0	-0.60	3.48	-1.36e-03	-2.48e-03	5.65e-03	-0.31
		-0.31	5.20e-03	-3.32e-06	0.0	52.6	-0.60	-2.29	-1.36e-03	-2.48e-03	5.20e-03	4.99e-03
109	309	0.04	2.80e-03	3.11e-05	-3.21	0.0	-0.35	2.07	-5.73e-03	-8.30e-04	2.80e-03	-0.30
		-0.30	-1.16e-04	-1.61e-06	0.0	52.6	-0.35	-1.15	-5.73e-03	-8.30e-04	-1.16e-04	-0.06
109	310	0.18	2.13e-03	4.96e-05	-5.77	0.0	-0.61	3.47	-3.99e-03	-9.19e-04	2.13e-03	-0.37
		-0.37	1.28e-04	-2.95e-06	0.0	52.6	-0.61	-2.30	-3.99e-03	-9.19e-04	1.28e-04	-0.06
110	15	-1.37	9.95e-05	-5.88e-05	-3.55	0.0	0.73	0.21	7.34e-03	0.0	-3.89e-03	-1.37
		-2.22	-3.89e-03	-1.85e-06	0.0	54.4	0.73	-3.33	7.34e-03	0.0	9.95e-05	-2.22
110	35	-3.01	4.34e-03	-9.95e-05	-6.58	0.0	2.05	-5.93e-03	-7.18e-03	0.0	4.34e-03	-3.01
		-4.80	4.36e-04	-1.85e-05	0.0	54.4	2.05	-6.58	-7.18e-03	0.0	4.36e-04	-4.80
110	48	-2.06	7.03e-03	-7.57e-05	-3.95	0.0	1.52	0.11	-0.01	0.0	7.03e-03	-2.06
		-3.08	4.01e-04	-1.94e-05	0.0	54.4	1.52	-3.84	-0.01	0.0	4.01e-04	-3.08
110	69	-0.93	4.24e-03	-4.77e-05	-2.43	0.0	0.21	0.07	-7.37e-03	0.0	4.24e-03	-0.93
		-1.55	2.38e-04	-6.97e-06	0.0	54.4	0.21	-2.36	-7.37e-03	0.0	2.38e-04	-1.55
110	113	0.69	-2.49e-03	-1.48e-05	-2.60	0.0	-2.95	-0.57	0.20	0.0	-0.11	0.69
		-0.26	-0.11	-1.93e-04	0.0	54.4	-2.95	-3.16	0.20	0.0	-2.49e-03	-0.26
110	116	-3.07	0.11	-1.07e-04	-2.60	0.0	4.49	0.99	-0.20	0.0	0.11	-3.15
		-3.38	2.85e-03	1.78e-04	0.0	54.4	4.49	-1.61	-0.20	0.0	2.85e-03	-3.38
110	118	0.16	-3.02e-03	6.34e-06	-2.60	0.0	-2.59	-0.24	0.24	0.0	-0.13	0.16
		-0.64	-0.13	-1.11e-04	0.0	54.4	-2.59	-2.84	0.24	0.0	-3.02e-03	-0.64
110	119	-2.59	0.13	-1.28e-04	-2.60	0.0	4.13	0.66	-0.23	0.0	0.13	-2.62
		-3.01	3.37e-03	9.60e-05	0.0	54.4	4.13	-1.94	-0.23	0.0	3.37e-03	-3.01

110	125	0.84	-1.40e-03	-4.10e-05	-2.60	0.0	-2.21	-0.60	0.13	0.0	-0.07	0.84
		-0.17	-0.07	-1.31e-05	0.0	54.4	-2.21	-3.20	0.13	0.0	-1.40e-03	-0.17
110	128	-3.20	0.07	-8.04e-05	-2.60	0.0	3.75	1.02	-0.12	0.0	0.07	-3.30
		-3.47	1.76e-03	-2.31e-06	0.0	54.4	3.75	-1.57	-0.12	0.0	1.76e-03	-3.47
110	145	0.93	-2.82e-03	-1.01e-05	-2.60	0.0	-3.41	-0.66	0.22	0.0	-0.12	0.93
		-0.07	-0.12	-2.17e-04	0.0	54.4	-3.41	-3.26	0.22	0.0	-2.82e-03	-0.07
110	148	-3.30	0.12	-1.12e-04	-2.60	0.0	4.95	1.08	-0.22	0.0	0.12	-3.39
		-3.58	3.17e-03	2.01e-04	0.0	54.4	4.95	-1.51	-0.22	0.0	3.17e-03	-3.58
110	150	0.34	-3.41e-03	1.46e-05	-2.60	0.0	-3.00	-0.29	0.26	0.0	-0.15	0.34
		-0.49	-0.15	-1.24e-04	0.0	54.4	-3.00	-2.89	0.26	0.0	-3.41e-03	-0.49
110	151	-2.75	0.15	-1.36e-04	-2.60	0.0	4.55	0.71	-0.26	0.0	0.15	-2.80
		-3.15	3.76e-03	1.09e-04	0.0	54.4	4.55	-1.89	-0.26	0.0	3.76e-03	-3.15
110	157	1.09	-1.60e-03	-3.87e-05	-2.60	0.0	-2.58	-0.71	0.14	0.0	-0.08	1.09
		0.04	-0.08	-1.40e-05	0.0	54.4	-2.58	-3.30	0.14	0.0	-1.60e-03	0.04
110	160	-3.44	0.08	-8.28e-05	-2.60	0.0	4.12	1.13	-0.14	0.0	0.08	-3.55
		-3.68	1.95e-03	-1.39e-06	0.0	54.4	4.12	-1.47	-0.14	0.0	1.95e-03	-3.68
110	177	0.92	-2.75e-03	-1.12e-05	-2.60	0.0	-3.35	-0.65	0.22	0.0	-0.12	0.92
		-0.08	-0.12	-2.20e-04	0.0	54.4	-3.35	-3.25	0.22	0.0	-2.75e-03	-0.08
110	180	-3.29	0.12	-1.11e-04	-2.60	0.0	4.89	1.07	-0.21	0.0	0.12	-3.38
		-3.56	3.11e-03	2.04e-04	0.0	54.4	4.89	-1.53	-0.21	0.0	3.11e-03	-3.56
110	182	0.31	-3.35e-03	1.36e-05	-2.60	0.0	-2.94	-0.27	0.26	0.0	-0.14	0.31
		-0.51	-0.14	-1.23e-04	0.0	54.4	-2.94	-2.86	0.26	0.0	-3.35e-03	-0.51
110	183	-2.72	0.14	-1.35e-04	-2.60	0.0	4.49	0.69	-0.26	0.0	0.14	-2.77
		-3.13	3.70e-03	1.08e-04	0.0	54.4	4.49	-1.91	-0.26	0.0	3.70e-03	-3.13
110	188	-3.41	0.08	-8.81e-05	-2.60	0.0	4.19	1.10	-0.14	0.0	0.08	-3.53
		-3.66	2.00e-03	3.64e-05	0.0	54.4	4.19	-1.50	-0.14	0.0	2.00e-03	-3.66
110	189	1.07	-1.55e-03	-3.97e-05	-2.60	0.0	-2.53	-0.69	0.14	0.0	-0.08	1.07
		0.01	-0.08	-1.54e-05	0.0	54.4	-2.53	-3.29	0.14	0.0	-1.55e-03	0.01
110	209	1.30	-3.23e-03	-6.14e-06	-2.60	0.0	-4.05	-0.80	0.25	0.0	-0.14	1.30
		0.22	-0.14	-2.59e-04	0.0	54.4	-4.05	-3.39	0.25	0.0	-3.23e-03	0.22
110	212	-3.63	0.14	-1.19e-04	-2.60	0.0	5.59	1.22	-0.25	0.0	0.14	-3.76
		-3.87	3.59e-03	2.44e-04	0.0	54.4	5.59	-1.38	-0.25	0.0	3.59e-03	-3.87
110	214	0.56	-3.93e-03	2.61e-05	-2.60	0.0	-3.56	-0.34	0.30	0.0	-0.17	0.56
		-0.30	-0.17	-1.42e-04	0.0	54.4	-3.56	-2.94	0.30	0.0	-3.93e-03	-0.30
110	215	-2.97	0.17	-1.48e-04	-2.60	0.0	5.11	0.76	-0.30	0.0	0.17	-3.02
		-3.35	4.29e-03	1.27e-04	0.0	54.4	5.11	-1.84	-0.30	0.0	4.29e-03	-3.35
110	220	-3.76	0.09	-9.22e-05	-2.60	0.0	4.76	1.25	-0.16	0.0	0.09	-3.91
		-3.97	2.29e-03	4.70e-05	0.0	54.4	4.76	-1.35	-0.16	0.0	2.29e-03	-3.97
110	221	1.45	-1.83e-03	-3.67e-05	-2.60	0.0	-3.06	-0.84	0.16	0.0	-0.09	1.45
		0.32	-0.09	-1.78e-05	0.0	54.4	-3.06	-3.44	0.16	0.0	-1.83e-03	0.32
110	248	-1.03	7.91e-05	-4.23e-05	-2.60	0.0	0.56	0.14	4.69e-03	0.0	-2.47e-03	-1.03
		-1.66	-2.47e-03	-1.67e-06	0.0	54.4	0.56	-2.45	4.69e-03	0.0	7.91e-05	-1.66
110	259	-2.12	3.02e-03	-6.94e-05	-4.62	0.0	1.44	-1.64e-03	-4.99e-03	0.0	3.02e-03	-2.12
		-3.37	3.03e-04	-1.28e-05	0.0	54.4	1.44	-4.62	-4.99e-03	0.0	3.03e-04	-3.37
110	264	-1.77	4.42e-03	-6.74e-05	-3.61	0.0	1.24	0.15	-7.55e-03	0.0	4.42e-03	-1.77
		-2.67	3.15e-04	-1.47e-05	0.0	54.4	1.24	-3.46	-7.55e-03	0.0	3.15e-04	-2.67
110	273	-1.01	2.56e-03	-4.88e-05	-2.60	0.0	0.37	0.13	-4.34e-03	0.0	2.56e-03	-1.02
		-1.65	2.06e-04	-6.40e-06	0.0	54.4	0.37	-2.47	-4.34e-03	0.0	2.06e-04	-1.65
110	301	-1.39	1.90e-04	-6.17e-05	-3.00	0.0	0.88	0.16	5.74e-04	0.0	-1.22e-04	-1.39
		-2.12	-1.22e-04	-7.89e-06	0.0	54.4	0.88	-2.84	5.74e-04	0.0	1.90e-04	-2.12
110	302	-1.07	1.19e-04	-4.28e-05	-2.60	0.0	0.63	0.17	1.58e-03	0.0	-7.37e-04	-1.08
		-1.69	-7.37e-04	-4.08e-06	0.0	54.4	0.63	-2.43	1.58e-03	0.0	1.19e-04	-1.69
110	305	-1.25	6.12e-04	-6.10e-05	-2.60	0.0	0.81	0.22	-7.61e-04	0.0	6.12e-04	-1.26
		-1.84	1.98e-04	-8.89e-06	0.0	54.4	0.81	-2.38	-7.61e-04	0.0	1.98e-04	-1.84
110	306	-1.07	2.70e-04	-4.41e-05	-2.60	0.0	0.59	0.16	-2.31e-04	0.0	2.70e-04	-1.08
		-1.69	1.44e-04	-5.02e-06	0.0	54.4	0.59	-2.43	-2.31e-04	0.0	1.44e-04	-1.69
110	309	-1.09	1.29e-04	-4.29e-05	-2.60	0.0	0.65	0.17	7.96e-04	0.0	-3.04e-04	-1.09
		-1.70	-3.04e-04	-4.68e-06	0.0	54.4	0.65	-2.42	7.96e-04	0.0	1.29e-04	-1.70
110	310	-1.23	1.79e-04	-6.07e-05	-2.60	0.0	0.77	0.21	7.97e-04	0.0	-2.55e-04	-1.23
		-1.82	-2.55e-04	-7.69e-06	0.0	54.4	0.77	-2.39	7.97e-04	0.0	1.79e-04	-1.82
111	15	-0.86	-1.03e-04	-5.57e-05	-3.55	0.0	1.52	0.94	-6.97e-03	0.0	-1.03e-04	-0.92
		-1.37	-3.89e-03	-1.41e-06	0.0	54.4	1.52	-2.60	-6.97e-03	0.0	-3.89e-03	-1.37
111	19	-0.58	-1.21e-04	-3.60e-05	-2.43	0.0	1.05	0.62	-5.87e-03	0.0	-1.21e-04	-0.62
		-0.94	-3.31e-03	0.0	0.0	54.4	1.05	-1.81	-5.87e-03	0.0	-3.31e-03	-0.94
111	35	-1.92	4.34e-03	-9.03e-05	-6.58	0.0	3.73	1.43	6.36e-03	0.0	8.85e-04	-2.00
		-3.01	8.85e-04	-1.90e-05	0.0	54.4	3.73	-5.15	6.36e-03	0.0	4.34e-03	-3.01
111	48	-1.42	7.03e-03	-6.71e-05	-3.95	0.0	2.68	0.89	0.01	0.0	9.88e-04	-1.47
		-2.06	9.88e-04	-2.02e-05	0.0	54.4	2.68	-3.06	0.01	0.0	7.03e-03	-2.06
111	69	-0.55	4.24e-03	-4.58e-05	-2.43	0.0	1.41	0.59	6.55e-03	0.0	6.81e-04	-0.58
		-0.93	6.81e-04	-7.45e-06	0.0	54.4	1.41	-1.84	6.55e-03	0.0	4.24e-03	-0.93
111	118	0.65	-0.01	-5.62e-06	-2.60	0.0	-4.64	0.41	-0.22	0.0	-0.01	0.63
		0.16	-0.13	-9.72e-05	0.0	54.4	-4.64	-2.19	-0.22	0.0	-0.13	0.16
111	119	-2.33	0.13	-1.09e-04	-2.60	0.0	7.63	0.94	0.22	0.0	0.01	-2.41
		-2.62	0.01	8.18e-05	0.0	54.4	7.63	-1.66	0.22	0.0	0.13	-2.62
111	125	1.47	-4.53e-03	-5.65e-05	-2.60	0.0	-1.95	0.12	-0.12	0.0	-4.53e-03	1.46

		0.84	-0.07	-5.19e-06	0.0	54.4	-1.95	-2.48	-0.12	0.0	-0.07	0.84
111	128	-3.09	0.07	-5.48e-05	-2.60	0.0	4.93	1.23	0.12	0.0	5.05e-03	-3.25
		-3.30	5.05e-03	-1.01e-05	0.0	54.4	4.93	-1.37	0.12	0.0	0.07	-3.30
111	150	0.84	-0.01	4.00e-06	-2.60	0.0	-5.40	0.38	-0.25	0.0	-0.01	0.82
		0.34	-0.15	-1.08e-04	0.0	54.4	-5.40	-2.22	-0.25	0.0	-0.15	0.34
111	151	-2.51	0.15	-1.15e-04	-2.60	0.0	8.38	0.97	0.25	0.0	0.01	-2.60
		-2.80	0.01	9.29e-05	0.0	54.4	8.38	-1.63	0.25	0.0	0.15	-2.80
111	157	1.76	-5.11e-03	-5.67e-05	-2.60	0.0	-2.37	0.05	-0.13	0.0	-5.11e-03	1.76
		1.09	-0.08	-5.15e-06	0.0	54.4	-2.37	-2.55	-0.13	0.0	-0.08	1.09
111	160	-3.37	0.08	-5.46e-05	-2.60	0.0	5.36	1.30	0.13	0.0	5.63e-03	-3.54
		-3.55	5.63e-03	-1.02e-05	0.0	54.4	5.36	-1.30	0.13	0.0	0.08	-3.55
111	182	0.80	-0.01	3.34e-06	-2.60	0.0	-5.29	0.39	-0.24	0.0	-0.01	0.78
		0.31	-0.14	-1.07e-04	0.0	54.4	-5.29	-2.21	-0.24	0.0	-0.14	0.31
111	183	-2.47	0.14	-1.15e-04	-2.60	0.0	8.27	0.96	0.24	0.0	0.01	-2.57
		-2.77	0.01	9.19e-05	0.0	54.4	8.27	-1.64	0.24	0.0	0.14	-2.77
111	189	1.74	-4.96e-03	-5.75e-05	-2.60	0.0	-2.29	0.06	-0.13	0.0	-4.96e-03	1.74
		1.07	-0.08	-6.77e-06	0.0	54.4	-2.29	-2.54	-0.13	0.0	-0.08	1.07
111	192	-3.35	0.08	-5.38e-05	-2.60	0.0	5.28	1.29	0.13	0.0	5.48e-03	-3.52
		-3.53	5.48e-03	-8.54e-06	0.0	54.4	5.28	-1.31	0.13	0.0	0.08	-3.53
111	214	1.08	-0.01	1.33e-05	-2.60	0.0	-6.42	0.35	-0.28	0.0	-0.01	1.06
		0.56	-0.17	-1.24e-04	0.0	54.4	-6.42	-2.25	-0.28	0.0	-0.17	0.56
111	215	-2.74	0.17	-1.25e-04	-2.60	0.0	9.40	1.00	0.28	0.0	0.01	-2.84
		-3.02	0.01	1.09e-04	0.0	54.4	9.40	-1.60	0.28	0.0	0.17	-3.02
111	217	2.17	-6.40e-03	-4.89e-05	-2.60	0.0	-3.24	-0.05	-0.16	0.0	-6.40e-03	2.17
		1.45	-0.09	-5.24e-05	0.0	54.4	-3.24	-2.65	-0.16	0.0	-0.09	1.45
111	220	-3.76	0.09	-6.24e-05	-2.60	0.0	6.22	1.40	0.16	0.0	6.92e-03	-3.95
		-3.95	6.92e-03	3.71e-05	0.0	54.4	6.22	-1.20	0.16	0.0	0.09	-3.91
111	248	-0.64	-4.36e-05	-3.99e-05	-2.60	0.0	1.16	0.68	-4.47e-03	0.0	-4.36e-05	-0.69
		-1.03	-2.47e-03	-1.39e-06	0.0	54.4	1.16	-1.91	-4.47e-03	0.0	-2.47e-03	-1.03
111	259	-1.35	3.02e-03	-6.29e-05	-4.62	0.0	2.62	1.01	4.42e-03	0.0	6.15e-04	-1.41
		-2.12	6.15e-04	-1.31e-05	0.0	54.4	2.62	-3.61	4.42e-03	0.0	3.02e-03	-2.12
111	264	-1.21	4.42e-03	-6.05e-05	-3.61	0.0	2.24	0.87	6.85e-03	0.0	6.96e-04	-1.26
		-1.77	6.96e-04	-1.52e-05	0.0	54.4	2.24	-2.74	6.85e-03	0.0	4.42e-03	-1.77
111	273	-0.62	2.56e-03	-4.64e-05	-2.60	0.0	1.39	0.66	3.81e-03	0.0	4.90e-04	-0.67
		-1.02	4.90e-04	-6.69e-06	0.0	54.4	1.39	-1.93	3.81e-03	0.0	2.56e-03	-1.02
111	301	-0.92	2.85e-04	-5.66e-05	-3.00	0.0	1.68	0.74	-7.50e-04	0.0	2.85e-04	-0.97
		-1.39	-1.22e-04	-7.87e-06	0.0	54.4	1.68	-2.26	-7.50e-04	0.0	-1.22e-04	-1.39
111	302	-0.70	9.73e-05	-3.98e-05	-2.60	0.0	1.25	0.70	-1.54e-03	0.0	9.73e-05	-0.75
		-1.08	-7.37e-04	-4.00e-06	0.0	54.4	1.25	-1.90	-1.54e-03	0.0	-7.37e-04	-1.08
111	305	-0.87	6.12e-04	-5.56e-05	-2.60	0.0	1.54	0.68	5.16e-04	0.0	3.32e-04	-0.92
		-1.26	3.32e-04	-8.96e-06	0.0	54.4	1.54	-1.92	5.16e-04	0.0	6.12e-04	-1.26
111	306	-0.70	2.70e-04	-4.11e-05	-2.60	0.0	1.30	0.70	1.20e-04	0.0	2.04e-04	-0.75
		-1.08	2.04e-04	-5.05e-06	0.0	54.4	1.30	-1.90	1.20e-04	0.0	2.70e-04	-1.08
111	309	-0.72	1.33e-04	-3.98e-05	-2.60	0.0	1.27	0.70	-8.03e-04	0.0	1.33e-04	-0.77
		-1.09	-3.04e-04	-4.65e-06	0.0	54.4	1.27	-1.89	-8.03e-04	0.0	-3.04e-04	-1.09
111	310	-0.84	2.61e-04	-5.57e-05	-2.60	0.0	1.49	0.67	-9.49e-04	0.0	2.61e-04	-0.89
		-1.23	-2.55e-04	-7.66e-06	0.0	54.4	1.49	-1.92	-9.49e-04	0.0	-2.55e-04	-1.23
112	19	-0.29	1.97e-04	-3.25e-05	-2.43	0.0	0.94	0.72	-5.84e-04	0.0	1.97e-04	-0.35
		-0.62	-1.21e-04	0.0	0.0	54.4	0.94	-1.71	-5.84e-04	0.0	-1.21e-04	-0.62
112	35	-1.04	2.01e-03	-7.86e-05	-6.58	0.0	3.37	1.76	-2.07e-03	0.0	2.01e-03	-1.17
		-2.00	8.85e-04	-1.91e-05	0.0	54.4	3.37	-4.82	-2.07e-03	0.0	8.85e-04	-2.00
112	68	-0.63	2.25e-03	-8.77e-05	-5.06	0.0	2.58	1.25	-2.27e-03	0.0	2.25e-03	-0.72
		-1.41	1.01e-03	-1.55e-05	0.0	54.4	2.58	-3.82	-2.27e-03	0.0	1.01e-03	-1.41
112	69	-0.24	1.49e-03	-4.24e-05	-2.43	0.0	1.18	0.66	-1.48e-03	0.0	1.49e-03	-0.28
		-0.58	6.81e-04	-7.52e-06	0.0	54.4	1.18	-1.77	-1.48e-03	0.0	6.81e-04	-0.58
112	93	-0.49	1.40e-04	-2.57e-05	-2.43	0.0	1.10	0.76	-4.86e-04	0.0	1.40e-04	-0.55
		-0.80	-1.25e-04	-2.85e-06	0.0	54.4	1.10	-1.67	-4.86e-04	0.0	-1.25e-04	-0.80
112	118	0.96	-0.01	-1.33e-05	-2.60	0.0	-4.60	0.70	6.35e-03	0.0	-0.01	0.89
		0.63	-0.01	-9.61e-05	0.0	54.4	-4.60	-1.90	6.35e-03	0.0	-0.01	0.63
112	119	-1.96	0.02	-8.45e-05	-2.60	0.0	7.34	0.64	-8.40e-03	0.0	0.02	-1.99
		-2.41	0.01	8.07e-05	0.0	54.4	7.34	-1.96	-8.40e-03	0.0	0.01	-2.41
112	125	2.04	-4.53e-03	-7.33e-05	-2.60	0.0	-2.34	0.25	3.30e-03	0.0	-6.35e-03	2.03
		1.46	-6.35e-03	-5.48e-06	0.0	54.4	-2.34	-2.35	3.30e-03	0.0	-4.53e-03	1.46
112	128	-3.00	8.00e-03	-2.42e-05	-2.60	0.0	5.08	1.09	-5.36e-03	0.0	8.00e-03	-3.12
		-3.25	5.05e-03	-9.90e-06	0.0	54.4	5.08	-1.51	-5.36e-03	0.0	5.05e-03	-3.25
112	150	1.14	-0.01	-9.99e-06	-2.60	0.0	-5.33	0.70	7.25e-03	0.0	-0.02	1.07
		0.82	-0.02	-1.07e-04	0.0	54.4	-5.33	-1.90	7.25e-03	0.0	-0.01	0.82
112	151	-2.14	0.02	-8.90e-05	-2.60	0.0	8.07	0.63	-9.31e-03	0.0	0.02	-2.16
		-2.60	0.01	9.17e-05	0.0	54.4	8.07	-1.96	-9.31e-03	0.0	0.01	-2.60
112	157	2.36	-5.11e-03	-7.64e-05	-2.60	0.0	-2.80	0.19	3.84e-03	0.0	-7.24e-03	2.35
		1.76	-7.24e-03	-5.47e-06	0.0	54.4	-2.80	-2.40	3.84e-03	0.0	-5.11e-03	1.76
112	160	-3.31	8.88e-03	-2.10e-05	-2.60	0.0	5.54	1.14	-5.89e-03	0.0	8.88e-03	-3.45
		-3.54	5.63e-03	-9.91e-06	0.0	54.4	5.54	-1.46	-5.89e-03	0.0	5.63e-03	-3.54
112	182	1.11	-0.01	-1.03e-05	-2.60	0.0	-5.22	0.71	7.10e-03	0.0	-0.02	1.03
		0.78	-0.02	-1.06e-04	0.0	54.4	-5.22	-1.89	7.10e-03	0.0	-0.01	0.78

112	183	-2.10	0.02	-8.84e-05	-2.60	0.0	7.96	0.63	-9.16e-03	0.0	0.02	-2.13
		-2.57	0.01	9.06e-05	0.0	54.4	7.96	-1.97	-9.16e-03	0.0	0.01	-2.57
112	189	2.33	-4.96e-03	-7.68e-05	-2.60	0.0	-2.72	0.19	3.76e-03	0.0	-7.04e-03	2.33
		1.74	-7.04e-03	-7.05e-06	0.0	54.4	-2.72	-2.40	3.76e-03	0.0	-4.96e-03	1.74
112	192	-3.29	8.68e-03	-2.07e-05	-2.60	0.0	5.46	1.14	-5.81e-03	0.0	8.68e-03	-3.42
		-3.52	5.48e-03	-8.32e-06	0.0	54.4	5.46	-1.46	-5.81e-03	0.0	5.48e-03	-3.52
112	214	1.37	-0.01	-6.35e-06	-2.60	0.0	-6.31	0.71	8.45e-03	0.0	-0.02	1.29
		1.06	-0.02	-1.23e-04	0.0	54.4	-6.31	-1.88	8.45e-03	0.0	-0.01	1.06
112	215	-2.37	0.02	-9.51e-05	-2.60	0.0	9.05	0.62	-0.01	0.0	0.02	-2.39
		-2.84	0.01	1.07e-04	0.0	54.4	9.05	-1.98	-0.01	0.0	0.01	-2.84
112	220	-3.74	0.01	-1.95e-05	-2.60	0.0	6.32	1.18	-6.29e-03	0.0	0.01	-3.88
		-3.95	6.92e-03	3.76e-05	0.0	54.4	6.32	-1.42	-6.29e-03	0.0	6.92e-03	-3.95
112	221	2.81	-5.77e-03	-8.19e-05	-2.60	0.0	-3.38	0.11	4.53e-03	0.0	-8.27e-03	2.81
		2.17	-8.27e-03	-8.12e-06	0.0	54.4	-3.38	-2.49	4.53e-03	0.0	-5.77e-03	2.17
112	248	-0.34	3.13e-04	-3.56e-05	-2.60	0.0	1.04	0.77	-6.56e-04	0.0	3.13e-04	-0.41
		-0.69	-4.36e-05	-1.39e-06	0.0	54.4	1.04	-1.83	-6.56e-04	0.0	-4.36e-05	-0.69
112	259	-0.74	1.43e-03	-5.47e-05	-4.62	0.0	2.37	1.25	-1.49e-03	0.0	1.43e-03	-0.83
		-1.41	6.15e-04	-1.32e-05	0.0	54.4	2.37	-3.37	-1.49e-03	0.0	6.15e-04	-1.41
112	273	-0.31	1.17e-03	-4.22e-05	-2.60	0.0	1.20	0.74	-1.26e-03	0.0	1.17e-03	-0.36
		-0.67	4.90e-04	-6.73e-06	0.0	54.4	1.20	-1.86	-1.26e-03	0.0	4.90e-04	-0.67
112	276	-0.47	1.59e-03	-6.08e-05	-3.61	0.0	1.85	0.90	-1.63e-03	0.0	1.59e-03	-0.53
		-1.02	7.01e-04	-1.08e-05	0.0	54.4	1.85	-2.71	-1.63e-03	0.0	7.01e-04	-1.02
112	285	-0.48	2.75e-04	-3.11e-05	-2.60	0.0	1.15	0.80	-5.91e-04	0.0	2.75e-04	-0.54
		-0.81	-4.64e-05	-3.62e-06	0.0	54.4	1.15	-1.80	-5.91e-04	0.0	-4.64e-05	-0.81
112	301	-0.53	8.70e-04	-4.97e-05	-3.00	0.0	1.53	0.79	-1.08e-03	0.0	8.70e-04	-0.58
		-0.97	2.85e-04	-7.90e-06	0.0	54.4	1.53	-2.22	-1.08e-03	0.0	2.85e-04	-0.97
112	302	-0.41	5.22e-04	-3.50e-05	-2.60	0.0	1.14	0.78	-7.81e-04	0.0	5.22e-04	-0.47
		-0.75	9.73e-05	-4.01e-06	0.0	54.4	1.14	-1.82	-7.81e-04	0.0	9.73e-05	-0.75
112	306	-0.40	6.94e-04	-3.63e-05	-2.60	0.0	1.17	0.77	-9.01e-04	0.0	6.94e-04	-0.46
		-0.75	2.04e-04	-5.08e-06	0.0	54.4	1.17	-1.83	-9.01e-04	0.0	2.04e-04	-0.75
112	307	-0.48	9.40e-04	-5.02e-05	-2.60	0.0	1.38	0.66	-1.12e-03	0.0	9.40e-04	-0.52
		-0.87	3.33e-04	-8.10e-06	0.0	54.4	1.38	-1.94	-1.12e-03	0.0	3.33e-04	-0.87
112	308	-0.43	5.14e-04	-3.41e-05	-2.60	0.0	1.16	0.78	-7.68e-04	0.0	5.14e-04	-0.50
		-0.78	9.68e-05	-4.45e-06	0.0	54.4	1.16	-1.82	-7.68e-04	0.0	9.68e-05	-0.78
112	309	-0.42	5.74e-04	-3.48e-05	-2.60	0.0	1.17	0.78	-8.12e-04	0.0	5.74e-04	-0.48
		-0.77	1.33e-04	-4.66e-06	0.0	54.4	1.17	-1.82	-8.12e-04	0.0	1.33e-04	-0.77
112	310	-0.50	8.20e-04	-4.87e-05	-2.60	0.0	1.37	0.67	-1.03e-03	0.0	8.20e-04	-0.55
		-0.89	2.61e-04	-7.69e-06	0.0	54.4	1.37	-1.93	-1.03e-03	0.0	2.61e-04	-0.89
113	19	-0.03	7.29e-04	-3.05e-05	-2.43	0.0	0.76	0.73	-9.79e-04	0.0	7.29e-04	-0.08
		-0.35	1.97e-04	0.0	0.0	54.4	0.76	-1.70	-9.79e-04	0.0	1.97e-04	-0.35
113	35	-0.24	2.80e-03	-7.16e-05	-6.58	0.0	2.76	1.83	-1.45e-03	0.0	2.80e-03	-0.38
		-1.17	2.01e-03	-1.93e-05	0.0	54.4	2.76	-4.75	-1.45e-03	0.0	2.01e-03	-1.17
113	68	0.06	3.38e-03	-8.37e-05	-5.06	0.0	2.04	1.27	-2.08e-03	0.0	3.38e-03	-0.03
		-0.72	2.25e-03	-1.58e-05	0.0	54.4	2.04	-3.79	-2.08e-03	0.0	2.25e-03	-0.72
113	70	0.09	2.67e-03	-4.49e-05	-3.95	0.0	1.43	1.21	-1.84e-03	0.0	2.67e-03	-8.13e-03
		-0.42	1.68e-03	-8.51e-06	0.0	54.4	1.43	-2.73	-1.84e-03	0.0	1.68e-03	-0.42
113	93	-0.23	4.79e-04	-2.15e-05	-2.43	0.0	0.94	0.73	-6.25e-04	0.0	4.79e-04	-0.29
		-0.55	1.40e-04	-2.87e-06	0.0	54.4	0.94	-1.70	-6.25e-04	0.0	1.40e-04	-0.55
113	118	1.12	-0.01	-3.00e-05	-2.60	0.0	-4.25	1.23	4.38e-03	0.0	-0.02	0.98
		0.89	-0.02	-9.45e-05	0.0	54.4	-4.25	-1.37	4.38e-03	0.0	-0.01	0.89
113	119	-1.33	0.02	-5.87e-05	-2.60	0.0	6.50	-1.88e-03	-6.33e-03	0.0	0.02	-1.33
		-1.99	0.02	7.89e-05	0.0	54.4	6.50	-2.60	-6.33e-03	0.0	0.02	-1.99
113	125	2.48	-4.36e-03	-9.32e-05	-2.60	0.0	-2.52	0.52	-3.79e-03	0.0	-4.36e-03	2.45
		2.03	-6.35e-03	-5.29e-06	0.0	54.4	-2.52	-2.07	-3.79e-03	0.0	-6.35e-03	2.03
113	128	-2.75	8.00e-03	4.57e-06	-2.60	0.0	4.77	0.70	1.83e-03	0.0	7.07e-03	-2.80
		-3.12	7.07e-03	-1.03e-05	0.0	54.4	4.77	-1.90	1.83e-03	0.0	8.00e-03	-3.12
113	150	1.27	-0.02	-2.82e-05	-2.60	0.0	-4.91	1.30	5.05e-03	0.0	-0.02	1.12
		1.07	-0.02	-1.05e-04	0.0	54.4	-4.91	-1.30	5.05e-03	0.0	-0.02	1.07
113	151	-1.47	0.02	-6.05e-05	-2.60	0.0	7.16	-0.08	-7.01e-03	0.0	0.02	-1.47
		-2.16	0.02	8.96e-05	0.0	54.4	7.16	-2.68	-7.01e-03	0.0	0.02	-2.16
113	157	2.81	-5.05e-03	-9.95e-05	-2.60	0.0	-2.98	0.51	-4.16e-03	0.0	-5.05e-03	2.79
		2.35	-7.24e-03	-5.24e-06	0.0	54.4	-2.98	-2.09	-4.16e-03	0.0	-7.24e-03	2.35
113	160	-3.08	8.88e-03	1.08e-05	-2.60	0.0	5.22	0.71	2.20e-03	0.0	7.76e-03	-3.13
		-3.45	7.76e-03	-1.03e-05	0.0	54.4	5.22	-1.89	2.20e-03	0.0	8.88e-03	-3.45
113	182	1.24	-0.02	-2.81e-05	-2.60	0.0	-4.81	1.30	5.03e-03	0.0	-0.02	1.09
		1.03	-0.02	-1.04e-04	0.0	54.4	-4.81	-1.30	5.03e-03	0.0	-0.02	1.03
113	183	-1.44	0.02	-6.05e-05	-2.60	0.0	7.05	-0.07	-6.98e-03	0.0	0.02	-1.44
		-2.13	0.02	8.86e-05	0.0	54.4	7.05	-2.67	-6.98e-03	0.0	0.02	-2.13
113	189	2.79	-4.82e-03	-9.98e-05	-2.60	0.0	-2.91	0.50	-4.21e-03	0.0	-4.82e-03	2.77
		2.33	-7.04e-03	-6.81e-06	0.0	54.4	-2.91	-2.10	-4.21e-03	0.0	-7.04e-03	2.33
113	192	-3.06	8.68e-03	1.11e-05	-2.60	0.0	5.15	0.72	2.25e-03	0.0	7.52e-03	-3.11
		-3.42	7.52e-03	-8.75e-06	0.0	54.4	5.15	-1.88	2.25e-03	0.0	8.68e-03	-3.42
113	214	1.47	-0.02	-2.54e-05	-2.60	0.0	-5.79	1.42	6.07e-03	0.0	-0.02	1.30
		1.29	-0.02	-1.21e-04	0.0	54.4	-5.79	-1.18	6.07e-03	0.0	-0.02	1.29
113	215	-1.65	0.02	-6.33e-05	-2.60	0.0	8.04	-0.19	-8.03e-03	0.0	0.02	-1.65

		-2.39	0.02	1.05e-04	0.0	54.4	8.04	-2.79	-8.03e-03	0.0	0.02	-2.39
113	224	-3.55	9.91e-03	2.09e-05	-2.60	0.0	5.80	0.75	2.84e-03	0.0	8.44e-03	-3.61
		-3.91	8.44e-03	-7.74e-06	0.0	54.4	5.80	-1.85	2.84e-03	0.0	9.91e-03	-3.91
113	237	3.29	0.01	-1.54e-04	-2.60	0.0	0.81	-0.35	-0.01	0.0	0.01	3.29
		2.40	4.17e-03	-1.28e-04	0.0	54.4	0.81	-2.95	-0.01	0.0	4.17e-03	2.40
113	248	-0.06	8.21e-04	-3.30e-05	-2.60	0.0	0.85	0.77	-9.35e-04	0.0	8.21e-04	-0.12
		-0.41	3.13e-04	-1.42e-06	0.0	54.4	0.85	-1.83	-9.35e-04	0.0	3.13e-04	-0.41
113	259	-0.18	2.04e-03	-4.97e-05	-4.62	0.0	1.95	1.29	-1.13e-03	0.0	2.04e-03	-0.28
		-0.83	1.43e-03	-1.33e-05	0.0	54.4	1.95	-3.33	-1.13e-03	0.0	1.43e-03	-0.83
113	274	0.02	2.12e-03	-4.26e-05	-3.61	0.0	1.29	1.09	-1.51e-03	0.0	2.12e-03	-0.07
		-0.45	1.30e-03	-7.41e-06	0.0	54.4	1.29	-2.52	-1.51e-03	0.0	1.30e-03	-0.45
113	276	0.02	2.43e-03	-5.77e-05	-3.61	0.0	1.47	0.92	-1.54e-03	0.0	2.43e-03	-0.05
		-0.53	1.59e-03	-1.10e-05	0.0	54.4	1.47	-2.69	-1.54e-03	0.0	1.59e-03	-0.53
113	285	-0.19	6.55e-04	-2.70e-05	-2.60	0.0	0.97	0.77	-6.99e-04	0.0	6.55e-04	-0.26
		-0.54	2.75e-04	-3.65e-06	0.0	54.4	0.97	-1.83	-6.99e-04	0.0	2.75e-04	-0.54
113	301	-0.13	1.42e-03	-4.54e-05	-3.00	0.0	1.25	0.76	-1.00e-03	0.0	1.42e-03	-0.18
		-0.58	8.70e-04	-8.00e-06	0.0	54.4	1.25	-2.25	-1.00e-03	0.0	8.70e-04	-0.58
113	302	-0.12	1.04e-03	-3.17e-05	-2.60	0.0	0.94	0.76	-9.45e-04	0.0	1.04e-03	-0.18
		-0.47	5.22e-04	-4.06e-06	0.0	54.4	0.94	-1.84	-9.45e-04	0.0	5.22e-04	-0.47
113	306	-0.10	1.26e-03	-3.31e-05	-2.60	0.0	0.97	0.75	-1.05e-03	0.0	1.26e-03	-0.16
		-0.46	6.94e-04	-5.15e-06	0.0	54.4	0.97	-1.84	-1.05e-03	0.0	6.94e-04	-0.46
113	307	-0.11	1.53e-03	-4.61e-05	-2.60	0.0	1.12	0.61	-1.08e-03	0.0	1.53e-03	-0.15
		-0.52	9.40e-04	-8.20e-06	0.0	54.4	1.12	-1.99	-1.08e-03	0.0	9.40e-04	-0.52
113	308	-0.14	1.00e-03	-3.05e-05	-2.60	0.0	0.97	0.76	-8.97e-04	0.0	1.00e-03	-0.20
		-0.50	5.14e-04	-4.51e-06	0.0	54.4	0.97	-1.84	-8.97e-04	0.0	5.14e-04	-0.50
113	309	-0.13	1.09e-03	-3.14e-05	-2.60	0.0	0.97	0.76	-9.47e-04	0.0	1.09e-03	-0.19
		-0.48	5.74e-04	-4.72e-06	0.0	54.4	0.97	-1.84	-9.47e-04	0.0	5.74e-04	-0.48
113	310	-0.13	1.35e-03	-4.43e-05	-2.60	0.0	1.12	0.61	-9.78e-04	0.0	1.35e-03	-0.17
		-0.55	8.20e-04	-7.78e-06	0.0	54.4	1.12	-1.99	-9.78e-04	0.0	8.20e-04	-0.55
114	19	0.20	1.97e-03	-3.18e-05	-2.43	0.0	0.55	0.83	-2.28e-03	0.0	1.97e-03	0.13
		-0.08	7.29e-04	0.0	0.0	54.4	0.55	-1.60	-2.28e-03	0.0	7.29e-04	-0.08
114	35	0.46	3.69e-03	-7.36e-05	-6.58	0.0	2.02	2.09	-1.65e-03	0.0	3.69e-03	0.28
		-0.38	2.80e-03	-1.96e-05	0.0	54.4	2.02	-4.49	-1.65e-03	0.0	2.80e-03	-0.38
114	42	0.15	3.19e-03	-4.18e-05	-5.06	0.0	1.62	1.64	-1.42e-03	0.0	3.19e-03	0.01
		-0.48	2.42e-03	-1.74e-05	0.0	54.4	1.62	-3.43	-1.42e-03	0.0	2.42e-03	-0.48
114	59	0.67	5.28e-03	-8.75e-05	-6.58	0.0	1.83	2.17	-4.02e-03	0.0	5.28e-03	0.48
		-0.13	3.10e-03	-1.56e-05	0.0	54.4	1.83	-4.41	-4.02e-03	0.0	3.10e-03	-0.13
114	68	0.62	6.17e-03	-8.87e-05	-5.06	0.0	1.46	1.58	-5.13e-03	0.0	6.17e-03	0.48
		-0.03	3.38e-03	-1.61e-05	0.0	54.4	1.46	-3.48	-5.13e-03	0.0	3.38e-03	-0.03
114	93	0.02	6.45e-04	-2.02e-05	-2.43	0.0	0.71	0.76	-3.06e-04	0.0	6.45e-04	-0.05
		-0.29	4.79e-04	-2.92e-06	0.0	54.4	0.71	-1.67	-3.06e-04	0.0	4.79e-04	-0.29
114	114	1.17	-0.02	-5.30e-05	-2.60	0.0	-3.68	1.52	-3.04e-03	0.0	-0.02	0.94
		0.94	-0.02	-6.18e-05	0.0	54.4	-3.68	-1.07	-3.04e-03	0.0	-0.02	1.05
114	115	-0.66	0.03	-3.70e-05	-2.60	0.0	5.31	-0.08	-1.92e-05	0.0	0.03	-0.66
		-1.39	0.02	4.59e-05	0.0	54.4	5.31	-2.68	-1.92e-05	0.0	0.02	-1.39
114	128	-2.08	7.07e-03	3.66e-05	-2.60	0.0	4.00	-0.08	0.01	0.0	7.33e-04	-2.08
		-2.80	7.33e-04	-1.06e-05	0.0	54.4	4.00	-2.67	0.01	0.0	7.07e-03	-2.80
114	138	-1.30	-0.01	4.31e-05	-2.60	0.0	-1.04	0.86	0.02	0.0	-0.03	-1.40
		-1.58	-0.03	5.46e-05	0.0	54.4	-1.04	-1.74	0.02	0.0	-0.01	-1.58
114	139	1.70	0.03	-1.33e-04	-2.60	0.0	2.67	0.59	-0.02	0.0	0.03	1.68
		1.23	0.01	-7.05e-05	0.0	54.4	2.67	-2.01	-0.02	0.0	0.01	1.23
114	141	2.65	0.02	-1.58e-04	-2.60	0.0	0.39	1.07	-0.03	0.0	0.02	2.56
		2.37	7.62e-03	-9.51e-05	0.0	54.4	0.39	-1.53	-0.03	0.0	7.62e-03	2.37
114	146	1.30	-0.02	-5.40e-05	-2.60	0.0	-4.24	1.62	-3.18e-03	0.0	-0.02	1.03
		1.03	-0.02	-6.81e-05	0.0	54.4	-4.24	-0.98	-3.18e-03	0.0	-0.02	1.19
114	147	-0.75	0.03	-3.60e-05	-2.60	0.0	5.86	-0.18	1.13e-04	0.0	0.03	-0.75
		-1.54	0.02	5.23e-05	0.0	54.4	5.86	-2.78	1.13e-04	0.0	0.02	-1.54
114	160	-2.36	7.76e-03	4.69e-05	-2.60	0.0	4.39	-0.18	0.01	0.0	5.00e-04	-2.36
		-3.13	5.00e-04	-1.07e-05	0.0	54.4	4.39	-2.77	0.01	0.0	7.76e-03	-3.13
114	170	-1.50	-0.01	5.47e-05	-2.60	0.0	-1.27	0.88	0.02	0.0	-0.03	-1.60
		-1.77	-0.03	6.32e-05	0.0	54.4	-1.27	-1.72	0.02	0.0	-0.01	-1.77
114	171	1.90	0.03	-1.45e-04	-2.60	0.0	2.90	0.57	-0.03	0.0	0.03	1.88
		1.42	0.02	-7.90e-05	0.0	54.4	2.90	-2.03	-0.03	0.0	0.02	1.42
114	173	2.97	0.03	-1.73e-04	-2.60	0.0	0.33	1.11	-0.03	0.0	0.03	2.87
		2.70	8.45e-03	-1.07e-04	0.0	54.4	0.33	-1.48	-0.03	0.0	8.45e-03	2.70
114	178	1.27	-0.02	-5.36e-05	-2.60	0.0	-4.15	1.61	-2.82e-03	0.0	-0.02	1.01
		1.01	-0.02	-6.54e-05	0.0	54.4	-4.15	-0.99	-2.82e-03	0.0	-0.02	1.16
114	179	-0.73	0.03	-3.64e-05	-2.60	0.0	5.78	-0.16	-2.45e-04	0.0	0.03	-0.73
		-1.51	0.02	4.95e-05	0.0	54.4	5.78	-2.76	-2.45e-04	0.0	0.02	-1.51
114	192	-2.34	7.52e-03	4.70e-05	-2.60	0.0	4.34	-0.16	0.01	0.0	1.61e-04	-2.34
		-3.11	1.61e-04	-9.14e-06	0.0	54.4	4.34	-2.76	0.01	0.0	7.52e-03	-3.11
114	202	-1.56	-0.01	5.76e-05	-2.60	0.0	-1.23	0.88	0.03	0.0	-0.03	-1.67
		-1.84	-0.03	6.65e-05	0.0	54.4	-1.23	-1.72	0.03	0.0	-0.01	-1.84
114	203	1.97	0.03	-1.48e-04	-2.60	0.0	2.85	0.57	-0.03	0.0	0.03	1.95
		1.49	0.02	-8.23e-05	0.0	54.4	2.85	-2.03	-0.03	0.0	0.02	1.49

114	205	3.03	0.03	-1.75e-04	-2.60	0.0	0.33	1.10	-0.03	0.0	0.03	2.93
		2.75	8.68e-03	-1.10e-04	0.0	54.4	0.33	-1.49	-0.03	0.0	8.68e-03	2.75
114	210	1.45	-0.02	-5.48e-05	-2.60	0.0	-4.98	1.75	-2.81e-03	0.0	-0.03	1.14
		1.14	-0.03	-7.31e-05	0.0	54.4	-4.98	-0.84	-2.81e-03	0.0	-0.02	1.37
114	211	-0.86	0.03	-3.52e-05	-2.60	0.0	6.61	-0.31	-2.53e-04	0.0	0.03	-0.86
		-1.72	0.02	5.73e-05	0.0	54.4	6.61	-2.91	-2.53e-04	0.0	0.02	-1.72
114	234	-1.91	-0.02	7.71e-05	-2.60	0.0	-1.56	0.90	0.03	0.0	-0.04	-2.02
		-2.16	-0.04	8.17e-05	0.0	54.4	-1.56	-1.70	0.03	0.0	-0.02	-2.16
114	235	2.32	0.04	-1.67e-04	-2.60	0.0	3.19	0.54	-0.03	0.0	0.04	2.30
		1.82	0.02	-9.75e-05	0.0	54.4	3.19	-2.06	-0.03	0.0	0.02	1.82
114	237	3.55	0.03	-2.00e-04	-2.60	0.0	0.25	1.17	-0.04	0.0	0.03	3.44
		3.29	0.01	-1.31e-04	0.0	54.4	0.25	-1.43	-0.04	0.0	0.01	3.29
114	240	-3.14	-7.39e-03	1.10e-04	-2.60	0.0	1.37	0.28	0.04	0.0	-0.03	-3.16
		-3.64	-0.03	1.15e-04	0.0	54.4	1.37	-2.32	0.04	0.0	-7.39e-03	-3.64
114	248	0.20	1.85e-03	-3.40e-05	-2.60	0.0	0.61	0.86	-1.90e-03	0.0	1.85e-03	0.12
		-0.12	8.21e-04	-1.51e-06	0.0	54.4	0.61	-1.74	-1.90e-03	0.0	8.21e-04	-0.12
114	259	0.31	2.85e-03	-5.09e-05	-4.62	0.0	1.44	1.47	-1.50e-03	0.0	2.85e-03	0.18
		-0.28	2.04e-03	-1.36e-05	0.0	54.4	1.44	-3.15	-1.50e-03	0.0	2.04e-03	-0.28
114	262	0.10	2.52e-03	-2.97e-05	-3.61	0.0	1.16	1.17	-1.35e-03	0.0	2.52e-03	2.31e-03
		-0.34	1.78e-03	-1.21e-05	0.0	54.4	1.16	-2.44	-1.35e-03	0.0	1.78e-03	-0.34
114	271	0.45	3.91e-03	-6.02e-05	-4.62	0.0	1.31	1.52	-3.08e-03	0.0	3.91e-03	0.32
		-0.11	2.24e-03	-1.09e-05	0.0	54.4	1.31	-3.10	-3.08e-03	0.0	2.24e-03	-0.11
114	276	0.41	4.50e-03	-6.10e-05	-3.61	0.0	1.06	1.13	-3.82e-03	0.0	4.50e-03	0.32
		-0.05	2.43e-03	-1.12e-05	0.0	54.4	1.06	-2.48	-3.82e-03	0.0	2.43e-03	-0.05
114	285	0.08	9.71e-04	-2.63e-05	-2.60	0.0	0.72	0.82	-5.81e-04	0.0	9.71e-04	5.25e-03
		-0.26	6.55e-04	-3.73e-06	0.0	54.4	0.72	-1.78	-5.81e-04	0.0	6.55e-04	-0.26
114	301	0.23	2.28e-03	-4.63e-05	-3.00	0.0	0.91	0.88	-1.58e-03	0.0	2.28e-03	0.16
		-0.18	1.42e-03	-8.15e-06	0.0	54.4	0.91	-2.12	-1.58e-03	0.0	1.42e-03	-0.18
114	302	0.15	1.97e-03	-3.20e-05	-2.60	0.0	0.70	0.84	-1.72e-03	0.0	1.97e-03	0.08
		-0.18	1.04e-03	-4.18e-06	0.0	54.4	0.70	-1.76	-1.72e-03	0.0	1.04e-03	-0.18
114	304	0.11	2.05e-03	-3.04e-05	-2.60	0.0	0.76	0.82	-1.58e-03	0.0	2.05e-03	0.04
		-0.22	1.20e-03	-6.17e-06	0.0	54.4	0.76	-1.78	-1.58e-03	0.0	1.20e-03	-0.22
114	307	0.22	2.60e-03	-4.71e-05	-2.60	0.0	0.81	0.73	-1.97e-03	0.0	2.60e-03	0.16
		-0.15	1.53e-03	-8.37e-06	0.0	54.4	0.81	-1.87	-1.97e-03	0.0	1.53e-03	-0.15
114	308	0.12	1.79e-03	-3.04e-05	-2.60	0.0	0.72	0.83	-1.45e-03	0.0	1.79e-03	0.05
		-0.20	1.00e-03	-4.62e-06	0.0	54.4	0.72	-1.77	-1.45e-03	0.0	1.00e-03	-0.20
114	309	0.14	2.00e-03	-3.15e-05	-2.60	0.0	0.72	0.83	-1.67e-03	0.0	2.00e-03	0.07
		-0.19	1.09e-03	-4.84e-06	0.0	54.4	0.72	-1.77	-1.67e-03	0.0	1.09e-03	-0.19
114	310	0.19	2.18e-03	-4.50e-05	-2.60	0.0	0.81	0.72	-1.53e-03	0.0	2.18e-03	0.14
		-0.17	1.35e-03	-7.92e-06	0.0	54.4	0.81	-1.88	-1.53e-03	0.0	1.35e-03	-0.17
115	19	0.32	1.97e-03	-3.67e-05	-2.43	0.0	0.40	1.10	4.99e-03	0.0	-7.40e-04	0.19
		0.13	-7.40e-04	0.0	0.0	54.4	0.40	-1.33	4.99e-03	0.0	1.97e-03	0.13
115	35	0.85	3.69e-03	-8.65e-05	-6.58	0.0	1.47	2.84	0.02	0.0	-6.46e-03	0.52
		0.28	-6.46e-03	-2.01e-05	0.0	54.4	1.47	-3.73	0.02	0.0	3.69e-03	0.28
115	45	0.16	2.62e-03	-2.20e-05	-2.43	0.0	0.78	0.86	0.01	0.0	-3.66e-03	0.08
		-0.12	-3.66e-03	-1.49e-05	0.0	54.4	0.78	-1.57	0.01	0.0	2.62e-03	-0.12
115	59	1.00	5.28e-03	-1.03e-04	-6.58	0.0	1.46	3.03	0.01	0.0	-2.44e-03	0.62
		0.48	-2.44e-03	-1.62e-05	0.0	54.4	1.46	-3.55	0.01	0.0	5.28e-03	0.48
115	68	0.87	6.17e-03	-1.03e-04	-5.06	0.0	1.29	2.38	0.01	0.0	-1.93e-04	0.57
		0.48	-1.93e-04	-1.68e-05	0.0	54.4	1.29	-2.68	0.01	0.0	6.17e-03	0.48
115	92	0.67	1.55e-03	-7.59e-05	-5.06	0.0	0.91	2.16	0.02	0.0	-7.31e-03	0.42
		0.21	-7.31e-03	-1.13e-05	0.0	54.4	0.91	-2.90	0.02	0.0	1.55e-03	0.21
115	114	0.96	1.91e-03	-7.00e-05	-2.60	0.0	-3.11	2.13	-0.03	0.0	1.91e-03	0.50
		0.50	-0.02	-5.95e-05	0.0	54.4	-3.11	-0.47	-0.03	0.0	-0.02	0.94
115	115	-0.01	0.03	-3.26e-05	-2.60	0.0	4.26	0.09	0.05	0.0	-7.70e-03	-0.02
		-0.66	-7.70e-03	4.31e-05	0.0	54.4	4.26	-2.51	0.05	0.0	0.03	-0.66
115	141	2.56	0.05	-2.03e-04	-2.60	0.0	0.24	2.96	-0.04	0.0	0.05	1.66
		1.66	0.02	-9.85e-05	0.0	54.4	0.24	0.36	-0.04	0.0	0.02	2.56
115	144	-1.17	-0.02	1.00e-04	-2.60	0.0	0.91	-0.74	0.06	0.0	-0.05	-1.17
		-2.28	-0.05	8.21e-05	0.0	54.4	0.91	-3.34	0.06	0.0	-0.02	-2.28
115	146	1.05	2.49e-03	-7.22e-05	-2.60	0.0	-3.57	2.25	-0.04	0.0	2.49e-03	0.53
		0.53	-0.02	-6.55e-05	0.0	54.4	-3.57	-0.35	-0.04	0.0	-0.02	1.03
115	147	-0.05	0.03	-3.04e-05	-2.60	0.0	4.71	-0.03	0.06	0.0	-8.28e-03	-0.05
		-0.75	-8.28e-03	4.91e-05	0.0	54.4	4.71	-2.63	0.06	0.0	0.03	-0.75
115	173	2.87	0.05	-2.23e-04	-2.60	0.0	0.20	3.20	-0.05	0.0	0.05	1.84
		1.84	0.03	-1.11e-04	0.0	54.4	0.20	0.60	-0.05	0.0	0.03	2.87
115	176	-1.36	-0.02	1.20e-04	-2.60	0.0	0.95	-0.98	0.07	0.0	-0.06	-1.36
		-2.59	-0.06	9.42e-05	0.0	54.4	0.95	-3.58	0.07	0.0	-0.02	-2.59
115	178	1.02	2.33e-03	-7.15e-05	-2.60	0.0	-3.50	2.22	-0.04	0.0	2.33e-03	0.52
		0.52	-0.02	-6.28e-05	0.0	54.4	-3.50	-0.37	-0.04	0.0	-0.02	1.01
115	179	-0.04	0.03	-3.11e-05	-2.60	0.0	4.64	-4.46e-03	0.06	0.0	-8.11e-03	-0.04
		-0.73	-8.11e-03	4.64e-05	0.0	54.4	4.64	-2.60	0.06	0.0	0.03	-0.73
115	205	2.93	0.05	-2.26e-04	-2.60	0.0	0.20	3.24	-0.05	0.0	0.05	1.87
		1.87	0.03	-1.14e-04	0.0	54.4	0.20	0.64	-0.05	0.0	0.03	2.93
115	208	-1.39	-0.02	1.23e-04	-2.60	0.0	0.95	-1.02	0.07	0.0	-0.06	-1.39

		-2.65	-0.06	9.77e-05	0.0	54.4	0.95	-3.62	0.07	0.0	-0.02	-2.65
115	210	1.15	3.08e-03	-7.46e-05	-2.60	0.0	-4.18	2.40	-0.05	0.0	3.08e-03	0.56
		0.56	-0.03	-7.01e-05	0.0	54.4	-4.18	-0.19	-0.05	0.0	-0.03	1.14
115	211	-0.08	0.03	-2.81e-05	-2.60	0.0	5.33	-0.18	0.07	0.0	-8.87e-03	-0.08
		-0.86	-8.87e-03	5.37e-05	0.0	54.4	5.33	-2.78	0.07	0.0	0.03	-0.86
115	237	3.44	0.06	-2.59e-04	-2.60	0.0	0.14	3.63	-0.06	0.0	0.06	2.18
		2.18	0.03	-1.35e-04	0.0	54.4	0.14	1.04	-0.06	0.0	0.03	3.44
115	240	-1.69	-0.03	1.56e-04	-2.60	0.0	1.01	-1.41	0.08	0.0	-0.07	-1.69
		-3.16	-0.07	1.19e-04	0.0	54.4	1.01	-4.01	0.08	0.0	-0.03	-3.16
115	248	0.34	1.85e-03	-3.91e-05	-2.60	0.0	0.44	1.15	6.36e-03	0.0	-1.60e-03	0.20
		0.12	-1.60e-03	-1.73e-06	0.0	54.4	0.44	-1.44	6.36e-03	0.0	1.85e-03	0.12
115	259	0.59	2.85e-03	-5.98e-05	-4.62	0.0	1.05	1.99	0.01	0.0	-4.25e-03	0.35
		0.18	-4.25e-03	-1.39e-05	0.0	54.4	1.05	-2.63	0.01	0.0	2.85e-03	0.18
115	261	0.23	2.28e-03	-2.94e-05	-2.60	0.0	0.70	0.99	0.01	0.0	-3.55e-03	0.12
		-0.04	-3.55e-03	-1.18e-05	0.0	54.4	0.70	-1.61	0.01	0.0	2.28e-03	-0.04
115	271	0.69	3.91e-03	-7.10e-05	-4.62	0.0	1.05	2.11	0.01	0.0	-1.57e-03	0.42
		0.32	-1.57e-03	-1.14e-05	0.0	54.4	1.05	-2.51	0.01	0.0	3.91e-03	0.32
115	276	0.60	4.50e-03	-7.09e-05	-3.61	0.0	0.93	1.68	8.41e-03	0.0	-6.97e-05	0.39
		0.32	-6.97e-05	-1.17e-05	0.0	54.4	0.93	-1.93	8.41e-03	0.0	4.50e-03	0.32
115	288	0.46	1.42e-03	-5.27e-05	-3.61	0.0	0.68	1.53	0.01	0.0	-4.82e-03	0.28
		0.14	-4.82e-03	-8.06e-06	0.0	54.4	0.68	-2.07	0.01	0.0	1.42e-03	0.14
115	301	0.42	2.28e-03	-5.33e-05	-3.00	0.0	0.65	1.30	9.69e-03	0.0	-2.99e-03	0.27
		0.16	-2.99e-03	-8.41e-06	0.0	54.4	0.65	-1.70	9.69e-03	0.0	2.28e-03	0.16
115	302	0.31	1.97e-03	-3.65e-05	-2.60	0.0	0.51	1.11	7.53e-03	0.0	-2.12e-03	0.18
		0.08	-2.12e-03	-4.40e-06	0.0	54.4	0.51	-1.49	7.53e-03	0.0	1.97e-03	0.08
115	304	0.28	2.05e-03	-3.46e-05	-2.60	0.0	0.56	1.08	8.40e-03	0.0	-2.51e-03	0.16
		0.04	-2.51e-03	-6.41e-06	0.0	54.4	0.56	-1.52	8.40e-03	0.0	2.05e-03	0.04
115	305	0.36	2.24e-03	-5.00e-05	-2.60	0.0	0.61	1.09	9.93e-03	0.0	-3.15e-03	0.23
		0.12	-3.15e-03	-9.51e-06	0.0	54.4	0.61	-1.51	9.93e-03	0.0	2.24e-03	0.12
115	307	0.39	2.60e-03	-5.37e-05	-2.60	0.0	0.61	1.13	8.93e-03	0.0	-2.26e-03	0.26
		0.16	-2.26e-03	-8.67e-06	0.0	54.4	0.61	-1.47	8.93e-03	0.0	2.60e-03	0.16
115	309	0.30	2.00e-03	-3.59e-05	-2.60	0.0	0.53	1.10	7.82e-03	0.0	-2.25e-03	0.17
		0.07	-2.25e-03	-5.07e-06	0.0	54.4	0.53	-1.50	7.82e-03	0.0	2.00e-03	0.07
115	310	0.37	2.18e-03	-5.13e-05	-2.60	0.0	0.57	1.11	9.34e-03	0.0	-2.89e-03	0.24
		0.14	-2.89e-03	-8.17e-06	0.0	54.4	0.57	-1.49	9.34e-03	0.0	2.18e-03	0.14
116	59	0.81	0.0	-1.26e-04	-6.58	0.0	0.47	4.44	-4.49e-03	0.0	0.0	0.0
		0.0	-2.44e-03	-1.60e-05	0.0	54.4	0.47	-2.14	-4.49e-03	0.0	-2.44e-03	0.62
116	67	0.53	1.58e-04	-1.12e-04	-3.55	0.0	0.33	2.64	2.90e-04	0.0	0.0	0.0
		0.0	0.0	-1.59e-05	0.0	54.4	0.33	-0.91	2.90e-04	0.0	1.58e-04	0.47
116	69	0.32	3.03e-03	-5.86e-05	-2.43	0.0	0.27	1.68	5.58e-03	0.0	0.0	0.0
		0.0	0.0	-8.86e-06	0.0	54.4	0.27	-0.75	5.58e-03	0.0	3.03e-03	0.25
116	92	0.58	0.0	-9.34e-05	-5.06	0.0	0.28	3.29	-0.01	0.0	0.0	0.0
		0.0	-7.31e-03	-1.05e-05	0.0	54.4	0.28	-1.77	-0.01	0.0	-7.31e-03	0.42
116	93	0.22	0.0	-2.93e-05	-2.43	0.0	0.12	1.40	-7.52e-03	0.0	0.0	0.0
		0.0	-4.09e-03	-2.54e-06	0.0	54.4	0.12	-1.03	-7.52e-03	0.0	-4.09e-03	0.10
116	114	0.52	1.91e-03	-7.74e-05	-2.60	0.0	-0.92	2.22	3.52e-03	0.0	0.0	0.0
		0.0	0.0	-5.94e-05	0.0	54.4	-0.92	-0.38	3.52e-03	0.0	1.91e-03	0.50
116	115	0.17	0.0	-4.49e-05	-2.60	0.0	1.28	1.27	-0.01	0.0	0.0	0.0
		-0.02	-7.70e-03	4.37e-05	0.0	54.4	1.28	-1.33	-0.01	0.0	-7.70e-03	-0.02
116	141	1.66	0.05	-2.33e-04	-2.60	0.0	0.07	4.35	0.08	0.0	0.0	0.0
		0.0	0.0	-1.04e-04	0.0	54.4	0.07	1.75	0.08	0.0	0.05	1.66
116	144	0.0	0.0	1.11e-04	-2.60	0.0	0.29	-0.86	-0.09	0.0	0.0	0.0
		-1.17	-0.05	8.85e-05	0.0	54.4	0.29	-3.46	-0.09	0.0	-0.05	-1.17
116	146	0.54	2.49e-03	-7.93e-05	-2.60	0.0	-1.06	2.28	4.58e-03	0.0	0.0	0.0
		0.0	0.0	-6.54e-05	0.0	54.4	-1.06	-0.32	4.58e-03	0.0	2.49e-03	0.53
116	147	0.15	0.0	-4.29e-05	-2.60	0.0	1.42	1.21	-0.02	0.0	0.0	0.0
		-0.05	-8.28e-03	4.97e-05	0.0	54.4	1.42	-1.39	-0.02	0.0	-8.28e-03	-0.05
116	173	1.84	0.05	-2.55e-04	-2.60	0.0	0.05	4.69	0.10	0.0	0.0	0.0
		0.0	0.0	-1.17e-04	0.0	54.4	0.05	2.09	0.10	0.0	0.05	1.84
116	176	0.0	0.0	1.33e-04	-2.60	0.0	0.30	-1.20	-0.11	0.0	0.0	0.0
		-1.36	-0.06	1.01e-04	0.0	54.4	0.30	-3.80	-0.11	0.0	-0.06	-1.36
116	178	0.53	2.33e-03	-7.85e-05	-2.60	0.0	-1.04	2.26	4.28e-03	0.0	0.0	0.0
		0.0	0.0	-6.26e-05	0.0	54.4	-1.04	-0.34	4.28e-03	0.0	2.33e-03	0.52
116	179	0.16	0.0	-4.37e-05	-2.60	0.0	1.40	1.23	-0.01	0.0	0.0	0.0
		-0.04	-8.11e-03	4.70e-05	0.0	54.4	1.40	-1.36	-0.01	0.0	-8.11e-03	-0.04
116	205	1.87	0.05	-2.59e-04	-2.60	0.0	0.05	4.75	0.10	0.0	0.0	0.0
		0.0	0.0	-1.21e-04	0.0	54.4	0.05	2.15	0.10	0.0	0.05	1.87
116	208	0.0	0.0	1.37e-04	-2.60	0.0	0.30	-1.26	-0.11	0.0	0.0	0.0
		-1.39	-0.06	1.05e-04	0.0	54.4	0.30	-3.85	-0.11	0.0	-0.06	-1.39
116	210	0.57	3.08e-03	-8.11e-05	-2.60	0.0	-1.24	2.33	5.67e-03	0.0	0.0	0.0
		0.0	0.0	-7.00e-05	0.0	54.4	-1.24	-0.26	5.67e-03	0.0	3.08e-03	0.56
116	211	0.14	0.0	-4.11e-05	-2.60	0.0	1.60	1.16	-0.02	0.0	0.0	0.0
		-0.08	-8.87e-03	5.43e-05	0.0	54.4	1.60	-1.44	-0.02	0.0	-8.87e-03	-0.08
116	237	2.18	0.06	-2.96e-04	-2.60	0.0	0.03	5.31	0.12	0.0	0.0	0.0
		0.0	0.0	-1.43e-04	0.0	54.4	0.03	2.71	0.12	0.0	0.06	2.18

116	240	0.0	0.0	1.74e-04	-2.60	0.0	0.32	-1.82	-0.13	0.0	0.0	0.0
		-1.69	-0.07	1.27e-04	0.0	54.4	0.32	-4.41	-0.13	0.0	-0.07	-1.69
116	271	0.56	0.0	-8.67e-05	-4.62	0.0	0.34	3.09	-2.89e-03	0.0	0.0	0.0
		0.0	-1.57e-03	-1.12e-05	0.0	54.4	0.34	-1.53	-2.89e-03	0.0	-1.57e-03	0.42
116	273	0.32	9.11e-04	-5.69e-05	-2.60	0.0	0.24	1.74	1.68e-03	0.0	0.0	0.0
		0.0	0.0	-7.62e-06	0.0	54.4	0.24	-0.86	1.68e-03	0.0	9.11e-04	0.24
116	275	0.37	1.64e-04	-7.70e-05	-2.60	0.0	0.24	1.89	3.02e-04	0.0	0.0	0.0
		0.0	0.0	-1.12e-05	0.0	54.4	0.24	-0.71	3.02e-04	0.0	1.64e-04	0.32
116	285	0.25	0.0	-3.73e-05	-2.60	0.0	0.14	1.56	-7.06e-03	0.0	0.0	0.0
		0.0	-3.84e-03	-3.40e-06	0.0	54.4	0.14	-1.04	-7.06e-03	0.0	-3.84e-03	0.14
116	288	0.41	0.0	-6.49e-05	-3.61	0.0	0.21	2.33	-8.86e-03	0.0	0.0	0.0
		0.0	-4.82e-03	-7.51e-06	0.0	54.4	0.21	-1.28	-8.86e-03	0.0	-4.82e-03	0.28
116	301	0.36	0.0	-6.41e-05	-3.00	0.0	0.20	1.99	-5.50e-03	0.0	0.0	0.0
		0.0	-2.99e-03	-8.07e-06	0.0	54.4	0.20	-1.01	-5.50e-03	0.0	-2.99e-03	0.27
116	305	0.31	0.0	-5.97e-05	-2.60	0.0	0.19	1.73	-5.80e-03	0.0	0.0	0.0
		0.0	-3.15e-03	-9.15e-06	0.0	54.4	0.19	-0.87	-5.80e-03	0.0	-3.15e-03	0.23
116	307	0.33	0.0	-6.37e-05	-2.60	0.0	0.19	1.77	-4.16e-03	0.0	0.0	0.0
		0.0	-2.26e-03	-8.40e-06	0.0	54.4	0.19	-0.83	-4.16e-03	0.0	-2.26e-03	0.26
116	308	0.27	0.0	-4.26e-05	-2.60	0.0	0.16	1.61	-4.73e-03	0.0	0.0	0.0
		0.0	-2.57e-03	-4.53e-06	0.0	54.4	0.16	-0.99	-4.73e-03	0.0	-2.57e-03	0.17
116	309	0.27	0.0	-4.39e-05	-2.60	0.0	0.17	1.62	-4.15e-03	0.0	0.0	0.0
		0.0	-2.25e-03	-4.81e-06	0.0	54.4	0.17	-0.98	-4.15e-03	0.0	-2.25e-03	0.17
116	310	0.32	0.0	-6.11e-05	-2.60	0.0	0.18	1.75	-5.32e-03	0.0	0.0	0.0
		0.0	-2.89e-03	-7.84e-06	0.0	54.4	0.18	-0.85	-5.32e-03	0.0	-2.89e-03	0.24
117	18	-4.24	3.32e-04	-1.20e-04	-14.09	0.0	0.17	4.02	0.01	-6.31e-04	-7.45e-03	-4.55
		-6.20	-7.45e-03	-1.44e-06	0.0	54.4	0.17	-10.08	0.01	-6.31e-04	3.32e-04	-6.20
117	28	-5.31	5.60e-03	-1.37e-04	-16.37	0.0	0.40	4.39	-9.26e-03	-1.25e-03	5.60e-03	-5.63
		-7.69	6.91e-04	-1.16e-05	0.0	54.4	0.40	-11.98	-9.26e-03	-1.25e-03	6.91e-04	-7.69
117	45	-1.70	0.01	-5.34e-05	-5.33	0.0	0.08	2.07	-0.02	-3.48e-04	0.01	-1.92
		-2.24	4.17e-04	-1.02e-05	0.0	54.4	0.08	-3.26	-0.02	-3.48e-04	4.17e-04	-2.24
117	66	-2.26	5.16e-03	-9.50e-05	-8.79	0.0	-0.48	3.39	-8.67e-03	-3.16e-04	5.16e-03	-2.61
		-3.16	4.35e-04	-3.86e-06	0.0	54.4	-0.48	-5.40	-8.67e-03	-3.16e-04	4.35e-04	-3.16
117	69	-1.39	5.53e-03	-6.06e-05	-5.33	0.0	-0.44	1.98	-9.67e-03	-5.19e-04	5.53e-03	-1.58
		-1.96	3.27e-04	-2.80e-06	0.0	54.4	-0.44	-3.35	-9.67e-03	-5.19e-04	3.27e-04	-1.96
117	79	-4.32	3.82e-04	-9.85e-05	-12.91	0.0	0.51	2.93	6.23e-03	-1.19e-03	-3.12e-03	-4.50
		-6.42	-3.12e-03	-5.35e-06	0.0	54.4	0.51	-9.98	6.23e-03	-1.19e-03	3.82e-04	-6.42
117	118	-0.99	-6.79e-03	-1.24e-05	-9.17	0.0	-3.15	1.76	0.48	-8.25e-03	-0.27	-1.16
		-2.33	-0.27	-9.62e-05	0.0	54.4	-3.15	-7.41	0.48	-8.25e-03	-6.79e-03	-2.33
117	119	-4.47	0.27	-1.51e-04	-9.17	0.0	3.45	3.68	-0.48	7.05e-03	0.27	-4.73
		-5.60	7.37e-03	8.92e-05	0.0	54.4	3.45	-5.49	-0.48	7.05e-03	7.37e-03	-5.60
117	121	-0.46	-3.43e-03	-5.08e-05	-9.17	0.0	-1.62	2.30	0.31	-3.66e-03	-0.17	-0.63
		-1.83	-0.17	-2.58e-05	0.0	54.4	-1.62	-6.87	0.31	-3.66e-03	-3.43e-03	-1.83
117	128	-4.99	0.17	-9.57e-05	-9.17	0.0	1.83	3.12	-0.30	1.02e-03	0.17	-5.25
		-6.11	4.17e-03	-6.32e-06	0.0	54.4	1.83	-6.05	-0.30	1.02e-03	4.17e-03	-6.11
117	150	-0.78	-7.66e-03	-8.31e-06	-9.17	0.0	-3.56	1.64	0.54	-9.18e-03	-0.30	-0.95
		-2.13	-0.30	-1.08e-04	0.0	54.4	-3.56	-7.53	0.54	-9.18e-03	-7.66e-03	-2.13
117	151	-4.68	0.30	-1.60e-04	-9.17	0.0	3.85	3.80	-0.54	7.98e-03	0.30	-4.95
		-5.80	8.24e-03	1.01e-04	0.0	54.4	3.85	-5.37	-0.54	7.98e-03	8.24e-03	-5.80
117	153	-0.18	-3.90e-03	-4.77e-05	-9.17	0.0	-1.83	2.25	0.34	-4.08e-03	-0.19	-0.34
		-1.56	-0.19	-2.89e-05	0.0	54.4	-1.83	-6.92	0.34	-4.08e-03	-3.90e-03	-1.56
117	160	-5.27	0.19	-9.80e-05	-9.17	0.0	2.04	3.16	-0.34	1.24e-03	0.19	-5.54
		-6.38	4.66e-03	-6.50e-06	0.0	54.4	2.04	-6.01	-0.34	1.24e-03	4.66e-03	-6.38
117	182	-0.81	-7.52e-03	-8.76e-06	-9.17	0.0	-3.50	1.74	0.53	-8.95e-03	-0.30	-0.98
		-2.17	-0.30	-1.07e-04	0.0	54.4	-3.50	-7.43	0.53	-8.95e-03	-7.52e-03	-2.17
117	183	-4.65	0.30	-1.59e-04	-9.17	0.0	3.79	3.70	-0.53	7.75e-03	0.30	-4.92
		-5.76	8.10e-03	9.96e-05	0.0	54.4	3.79	-5.47	-0.53	7.75e-03	8.10e-03	-5.76
117	185	-0.20	-3.83e-03	-4.86e-05	-9.17	0.0	-1.81	2.30	0.34	-4.28e-03	-0.19	-0.37
		-1.59	-0.19	-3.15e-05	0.0	54.4	-1.81	-6.87	0.34	-4.28e-03	-3.83e-03	-1.59
117	192	-5.24	0.18	-9.69e-05	-9.17	0.0	2.00	3.13	-0.33	1.36e-03	0.18	-5.51
		-6.34	4.59e-03	-5.49e-06	0.0	54.4	2.00	-6.04	-0.33	1.36e-03	4.59e-03	-6.34
117	214	-0.49	-8.82e-03	2.01e-05	-9.17	0.0	-4.11	1.61	0.62	-0.01	-0.35	-0.65
		-1.88	-0.35	-1.24e-04	0.0	54.4	-4.11	-7.56	0.62	-0.01	-8.82e-03	-1.88
117	215	-4.96	0.34	-1.73e-04	-9.17	0.0	4.40	3.83	-0.62	9.15e-03	0.34	-5.25
		-6.05	9.40e-03	1.17e-04	0.0	54.4	4.40	-5.34	-0.62	9.15e-03	9.40e-03	-6.05
117	217	0.22	-4.50e-03	-4.46e-05	-9.17	0.0	-2.12	2.25	0.39	-5.09e-03	-0.22	0.07
		-1.20	-0.22	-3.88e-05	0.0	54.4	-2.12	-6.92	0.39	-5.09e-03	-4.50e-03	-1.20
117	224	-5.65	0.21	-9.98e-05	-9.17	0.0	2.30	3.18	-0.38	1.78e-03	0.21	-5.94
		-6.73	5.29e-03	-5.05e-06	0.0	54.4	2.30	-5.99	-0.38	1.78e-03	5.29e-03	-6.73
117	251	-2.97	2.33e-04	-8.38e-05	-9.68	0.0	0.11	2.76	9.79e-03	-4.31e-04	-5.07e-03	-3.18
		-4.31	-5.07e-03	-1.15e-06	0.0	54.4	0.11	-6.92	9.79e-03	-4.31e-04	2.33e-04	-4.31
117	256	-3.68	3.63e-03	-9.54e-05	-11.19	0.0	0.26	3.00	-5.96e-03	-8.46e-04	3.63e-03	-3.90
		-5.31	4.73e-04	-7.96e-06	0.0	54.4	0.26	-8.19	-5.96e-03	-8.46e-04	4.73e-04	-5.31
117	261	-1.74	7.13e-03	-5.78e-05	-6.14	0.0	0.05	2.40	-0.01	-2.76e-04	7.13e-03	-1.99
		-2.35	3.51e-04	-7.51e-06	0.0	54.4	0.05	-3.74	-0.01	-2.76e-04	3.51e-04	-2.35
117	273	-1.53	3.39e-03	-6.26e-05	-6.14	0.0	-0.29	2.34	-5.76e-03	-3.91e-04	3.39e-03	-1.77

		-2.17	2.91e-04	-2.61e-06	0.0	54.4	-0.29	-3.80	-5.76e-03	-3.91e-04	2.91e-04	-2.17
117	274	-1.65	3.33e-03	-6.74e-05	-6.14	0.0	-0.32	2.34	-5.57e-03	-2.22e-04	3.33e-03	-1.89
		-2.29	3.02e-04	-2.76e-06	0.0	54.4	-0.32	-3.80	-5.57e-03	-2.22e-04	3.02e-04	-2.29
117	279	-3.50	3.28e-04	-8.78e-05	-11.19	0.0	0.34	2.97	4.84e-03	-8.38e-04	-2.37e-03	-3.71
		-5.14	-2.37e-03	-4.31e-06	0.0	54.4	0.34	-8.22	4.84e-03	-8.38e-04	3.28e-04	-5.14
117	298	-2.92	3.07e-04	-7.97e-05	-9.68	0.0	0.17	2.78	2.36e-03	-6.79e-04	-1.02e-03	-3.13
		-4.25	-1.02e-03	-3.75e-06	0.0	54.4	0.17	-6.89	2.36e-03	-6.79e-04	3.07e-04	-4.25
117	303	-2.72	2.73e-04	-7.62e-05	-9.17	0.0	0.14	2.71	3.74e-03	-5.84e-04	-1.80e-03	-2.93
		-3.95	-1.80e-03	-2.95e-06	0.0	54.4	0.14	-6.46	3.74e-03	-5.84e-04	2.73e-04	-3.95
117	304	-1.62	7.47e-04	-5.66e-05	-6.14	0.0	-3.13e-03	2.36	-9.57e-04	-1.50e-04	7.47e-04	-1.87
		-2.26	2.16e-04	-3.11e-06	0.0	54.4	-3.13e-03	-3.78	-9.57e-04	-1.50e-04	2.16e-04	-2.26
117	306	-1.58	2.04e-04	-5.76e-05	-6.14	0.0	-0.07	2.34	4.00e-04	-1.73e-04	0.0	-1.83
		-2.22	0.0	-2.12e-06	0.0	54.4	-0.07	-3.79	4.00e-04	-1.73e-04	2.04e-04	-2.22
117	309	-1.60	1.82e-04	-5.64e-05	-6.14	0.0	-0.02	2.35	1.94e-03	-1.18e-04	-8.47e-04	-1.84
		-2.23	-8.47e-04	-2.00e-06	0.0	54.4	-0.02	-3.79	1.94e-03	-1.18e-04	1.82e-04	-2.23
117	310	-2.73	2.89e-04	-7.64e-05	-9.17	0.0	0.15	2.72	2.30e-03	-5.99e-04	-9.98e-04	-2.95
		-3.96	-9.98e-04	-3.50e-06	0.0	54.4	0.15	-6.45	2.30e-03	-5.99e-04	2.89e-04	-3.96
118	18	-2.89	-1.15e-03	-9.57e-05	-14.09	0.0	0.07	4.81	-0.01	-1.31e-03	-1.15e-03	-3.34
		-4.55	-7.47e-03	0.0	0.0	54.4	0.07	-9.28	-0.01	-1.31e-03	-7.47e-03	-4.55
118	28	-3.66	5.55e-03	-1.08e-04	-16.37	0.0	0.31	5.48	0.01	-1.24e-03	-5.07e-04	-4.16
		-5.63	-5.07e-04	-1.23e-05	0.0	54.4	0.31	-10.89	0.01	-1.24e-03	5.55e-03	-5.63
118	45	-1.39	0.01	-4.04e-05	-5.33	0.0	0.11	2.11	0.02	-2.50e-04	1.09e-04	-1.62
		-1.92	1.09e-04	-1.14e-05	0.0	54.4	0.11	-3.22	0.02	-2.50e-04	0.01	-1.92
118	69	-1.02	5.51e-03	-5.03e-05	-5.33	0.0	0.60	2.01	9.81e-03	-6.41e-04	1.55e-04	-1.23
		-1.58	1.55e-04	-3.41e-06	0.0	54.4	0.60	-3.31	9.81e-03	-6.41e-04	5.51e-03	-1.58
118	71	-2.20	5.21e-03	-7.85e-05	-10.64	0.0	0.82	3.43	9.24e-03	-1.04e-03	1.17e-04	-2.50
		-3.53	1.17e-04	-5.98e-06	0.0	54.4	0.82	-7.20	9.24e-03	-1.04e-03	5.21e-03	-3.53
118	90	-1.89	-1.13e-03	-6.25e-05	-8.79	0.0	-0.39	3.45	-6.03e-03	-7.13e-04	-1.13e-03	-2.26
		-2.78	-4.37e-03	-2.01e-06	0.0	54.4	-0.39	-5.34	-6.03e-03	-7.13e-04	-4.37e-03	-2.78
118	118	-0.07	-0.02	-1.48e-05	-9.17	0.0	-6.00	2.67	-0.47	-0.01	-0.02	-0.34
		-1.16	-0.27	-6.68e-05	0.0	54.4	-6.00	-6.50	-0.47	-0.01	-0.27	-1.16
118	119	-3.74	0.27	-1.17e-04	-9.17	0.0	6.19	3.78	0.47	0.01	0.01	-4.08
		-4.73	0.01	6.01e-05	0.0	54.4	6.19	-5.39	0.47	0.01	0.27	-4.73
118	121	0.50	-9.95e-03	-5.59e-05	-9.17	0.0	-1.99	3.07	-0.30	-5.92e-03	-9.95e-03	0.24
		-0.63	-0.17	-5.55e-06	0.0	54.4	-1.99	-6.10	-0.30	-5.92e-03	-0.17	-0.63
118	124	-4.30	0.17	-6.56e-05	-9.17	0.0	2.19	3.38	0.29	4.49e-03	8.89e-03	-4.66
		-5.27	8.89e-03	-1.97e-06	0.0	54.4	2.19	-5.79	0.29	4.49e-03	0.17	-5.27
118	150	0.16	-0.02	-1.15e-05	-9.17	0.0	-6.75	2.60	-0.53	-0.01	-0.02	-0.12
		-0.95	-0.30	-7.47e-05	0.0	54.4	-6.75	-6.57	-0.53	-0.01	-0.30	-0.95
118	151	-3.96	0.30	-1.24e-04	-9.17	0.0	6.95	3.85	0.53	0.01	0.02	-4.31
		-4.95	0.02	6.80e-05	0.0	54.4	6.95	-5.32	0.53	0.01	0.30	-4.95
118	153	0.80	-0.01	-5.53e-05	-9.17	0.0	-2.25	3.06	-0.33	-6.59e-03	-0.01	0.55
		-0.34	-0.19	-6.26e-06	0.0	54.4	-2.25	-6.11	-0.33	-6.59e-03	-0.19	-0.34
118	156	-4.60	0.19	-6.61e-05	-9.17	0.0	2.45	3.40	0.33	5.16e-03	0.01	-4.97
		-5.56	0.01	-1.67e-06	0.0	54.4	2.45	-5.77	0.33	5.16e-03	0.19	-5.56
118	182	0.12	-0.02	-1.18e-05	-9.17	0.0	-6.65	2.65	-0.52	-0.01	-0.02	-0.15
		-0.98	-0.30	-7.42e-05	0.0	54.4	-6.65	-6.52	-0.52	-0.01	-0.30	-0.98
118	183	-3.93	0.30	-1.23e-04	-9.17	0.0	6.85	3.81	0.52	0.01	0.02	-4.27
		-4.92	0.02	6.74e-05	0.0	54.4	6.85	-5.36	0.52	0.01	0.30	-4.92
118	185	0.78	-0.01	-5.60e-05	-9.17	0.0	-2.20	3.08	-0.33	-6.61e-03	-0.01	0.52
		-0.37	-0.19	-9.25e-06	0.0	54.4	-2.20	-6.09	-0.33	-6.61e-03	-0.19	-0.37
118	188	-4.58	0.19	-6.55e-05	-9.17	0.0	2.39	3.37	0.32	5.18e-03	9.85e-03	-4.94
		-5.53	9.85e-03	2.51e-06	0.0	54.4	2.39	-5.80	0.32	5.18e-03	0.19	-5.53
118	214	0.46	-0.02	1.25e-05	-9.17	0.0	-7.78	2.56	-0.60	-0.01	-0.02	0.19
		-0.65	-0.35	-8.62e-05	0.0	54.4	-7.78	-6.61	-0.60	-0.01	-0.35	-0.65
118	215	-4.26	0.35	-1.34e-04	-9.17	0.0	7.98	3.89	0.60	0.01	0.02	-4.61
		-5.25	0.02	7.95e-05	0.0	54.4	7.98	-5.28	0.60	0.01	0.35	-5.25
118	217	1.23	-0.01	-5.57e-05	-9.17	0.0	-2.55	3.07	-0.38	-7.74e-03	-0.01	0.98
		0.07	-0.22	-1.29e-05	0.0	54.4	-2.55	-6.10	-0.38	-7.74e-03	-0.22	0.07
118	220	-5.03	0.22	-6.58e-05	-9.17	0.0	2.74	3.38	0.38	6.31e-03	0.01	-5.40
		-5.97	0.01	6.17e-06	0.0	54.4	2.74	-5.79	0.38	6.31e-03	0.22	-5.97
118	251	-2.04	-8.19e-04	-6.69e-05	-9.68	0.0	0.04	3.30	-8.01e-03	-9.22e-04	-8.19e-04	-2.34
		-3.18	-5.08e-03	0.0	0.0	54.4	0.04	-6.38	-8.01e-03	-9.22e-04	-5.08e-03	-3.18
118	256	-2.55	3.60e-03	-7.50e-05	-11.19	0.0	0.20	3.74	7.25e-03	-8.77e-04	-3.92e-04	-2.89
		-3.90	-3.92e-04	-8.35e-06	0.0	54.4	0.20	-7.45	7.25e-03	-8.77e-04	3.60e-03	-3.90
118	261	-1.39	7.12e-03	-4.46e-05	-6.14	0.0	0.07	2.45	0.01	-3.43e-04	-1.10e-04	-1.65
		-1.99	-1.10e-04	-8.32e-06	0.0	54.4	0.07	-3.69	0.01	-3.43e-04	7.12e-03	-1.99
118	273	-1.14	3.38e-03	-5.12e-05	-6.14	0.0	0.40	2.38	6.31e-03	-6.03e-04	-7.90e-05	-1.40
		-1.77	-7.90e-05	-2.98e-06	0.0	54.4	0.40	-3.75	6.31e-03	-6.03e-04	3.38e-03	-1.77
118	275	-1.93	3.18e-03	-7.00e-05	-9.68	0.0	0.54	3.33	5.93e-03	-8.69e-04	-1.04e-04	-2.24
		-3.06	-1.04e-04	-4.70e-06	0.0	54.4	0.54	-6.35	5.93e-03	-8.69e-04	3.18e-03	-3.06
118	286	-1.37	-8.09e-04	-4.48e-05	-6.14	0.0	-0.27	2.38	-4.12e-03	-5.27e-04	-8.09e-04	-1.63
		-2.00	-3.01e-03	-1.52e-06	0.0	54.4	-0.27	-3.75	-4.12e-03	-5.27e-04	-3.01e-03	-2.00
118	298	-2.02	-5.32e-04	-6.34e-05	-9.68	0.0	0.12	3.36	-1.07e-03	-7.52e-04	-5.32e-04	-2.33
		-3.13	-1.05e-03	-3.61e-06	0.0	54.4	0.12	-6.31	-1.07e-03	-7.52e-04	-1.05e-03	-3.13

118	303	-1.89	-5.68e-04	-6.07e-05	-9.17	0.0	0.09	3.22	-2.41e-03	-7.29e-04	-5.68e-04	-2.19
		-2.93	-1.82e-03	-2.73e-06	0.0	54.4	0.09	-5.95	-2.41e-03	-7.29e-04	-1.82e-03	-2.93
118	304	-1.26	7.44e-04	-4.46e-05	-6.14	0.0	-5.65e-03	2.42	2.12e-03	-4.58e-04	-4.28e-04	-1.52
		-1.87	-4.28e-04	-3.19e-06	0.0	54.4	-5.65e-03	-3.71	2.12e-03	-4.58e-04	7.44e-04	-1.87
118	306	-1.21	-4.36e-06	-4.59e-05	-6.14	0.0	0.06	2.41	7.13e-04	-5.10e-04	-4.21e-04	-1.47
		-1.83	-4.21e-04	-2.12e-06	0.0	54.4	0.06	-3.73	7.13e-04	-5.10e-04	-4.36e-06	-1.83
118	307	-1.89	-1.74e-04	-6.20e-05	-9.17	0.0	0.18	3.22	3.88e-04	-7.38e-04	-4.43e-04	-2.19
		-2.93	-4.43e-04	-3.59e-06	0.0	54.4	0.18	-5.95	3.88e-04	-7.38e-04	-1.74e-04	-2.93
118	308	-1.24	-5.50e-04	-4.40e-05	-6.14	0.0	-0.07	2.42	-1.39e-03	-4.75e-04	-5.50e-04	-1.50
		-1.85	-1.27e-03	-1.79e-06	0.0	54.4	-0.07	-3.72	-1.39e-03	-4.75e-04	-1.27e-03	-1.85
118	309	-1.23	-5.07e-04	-4.46e-05	-6.14	0.0	-0.02	2.42	-6.87e-04	-4.87e-04	-5.07e-04	-1.49
		-1.84	-8.50e-04	-1.90e-06	0.0	54.4	-0.02	-3.72	-6.87e-04	-4.87e-04	-8.50e-04	-1.84
118	310	-1.90	-5.29e-04	-6.07e-05	-9.17	0.0	0.10	3.23	-1.01e-03	-7.14e-04	-5.29e-04	-2.21
		-2.95	-1.02e-03	-3.37e-06	0.0	54.4	0.10	-5.94	-1.01e-03	-7.14e-04	-1.02e-03	-2.95
119	28	-2.26	-5.56e-04	-8.25e-05	-16.37	0.0	0.63	5.67	-4.94e-05	-1.83e-03	-6.84e-04	-2.79
		-4.16	-6.84e-04	-1.22e-05	0.0	54.4	0.63	-10.70	-4.94e-05	-1.83e-03	-5.56e-04	-4.16
119	67	-1.56	3.02e-05	-8.05e-05	-14.09	0.0	0.93	4.90	-5.45e-04	-1.59e-03	3.02e-05	-2.02
		-3.18	-1.25e-04	-6.74e-06	0.0	54.4	0.93	-9.20	-5.45e-04	-1.59e-03	-1.25e-04	-3.18
119	69	-0.61	3.62e-04	-4.10e-05	-5.33	0.0	0.59	1.83	-5.87e-04	-9.76e-04	3.62e-04	-0.78
		-1.23	1.30e-04	-3.42e-06	0.0	54.4	0.59	-3.50	-5.87e-04	-9.76e-04	1.30e-04	-1.23
119	92	-1.93	-1.23e-03	-6.91e-05	-14.09	0.0	0.18	4.97	1.53e-04	-1.55e-03	-1.45e-03	-2.40
		-3.53	-1.45e-03	-4.45e-06	0.0	54.4	0.18	-9.13	1.53e-04	-1.55e-03	-1.23e-03	-3.53
119	94	-0.98	-9.74e-04	-2.96e-05	-5.33	0.0	-0.17	1.90	1.12e-04	-9.36e-04	-1.12e-03	-1.16
		-1.58	-1.12e-03	-1.13e-06	0.0	54.4	-0.17	-3.43	1.12e-04	-9.36e-04	-9.74e-04	-1.58
119	118	0.57	-0.01	-2.05e-05	-9.17	0.0	-5.47	3.27	-2.90e-03	-4.34e-03	-0.01	0.19
		-0.34	-0.02	-6.56e-05	0.0	54.4	-5.47	-5.90	-2.90e-03	-4.34e-03	-0.02	-0.34
119	119	-2.92	0.02	-8.09e-05	-9.17	0.0	6.02	3.25	2.74e-03	2.47e-03	0.01	-3.17
		-4.08	0.01	5.90e-05	0.0	54.4	6.02	-5.92	2.74e-03	2.47e-03	0.02	-4.08
119	124	-3.79	8.67e-03	-2.85e-05	-9.17	0.0	2.31	3.76	1.72e-03	-3.00e-03	7.95e-03	-4.20
		-4.66	7.95e-03	0.0	0.0	54.4	2.31	-5.41	1.72e-03	-3.00e-03	8.67e-03	-4.66
119	125	1.44	-8.91e-03	-6.86e-05	-9.17	0.0	-1.43	2.68	-1.56e-03	2.45e-03	-8.91e-03	1.23
		0.21	-9.57e-03	1.96e-05	0.0	54.4	-1.43	-6.49	-1.56e-03	2.45e-03	-9.57e-03	0.21
119	150	0.79	-0.02	-1.82e-05	-9.17	0.0	-6.18	3.27	-3.24e-03	-4.74e-03	-0.02	0.39
		-0.12	-0.02	-7.33e-05	0.0	54.4	-6.18	-5.90	-3.24e-03	-4.74e-03	-0.02	-0.12
119	151	-3.13	0.02	-8.51e-05	-9.17	0.0	6.73	3.25	3.09e-03	2.87e-03	0.02	-3.37
		-4.31	0.02	6.67e-05	0.0	54.4	6.73	-5.92	3.09e-03	2.87e-03	0.02	-4.31
119	153	1.77	-0.01	-6.79e-05	-9.17	0.0	-2.01	2.69	-2.11e-03	1.35e-03	-0.01	1.55
		0.55	-0.01	-6.37e-06	0.0	54.4	-2.01	-6.48	-2.11e-03	1.35e-03	-0.01	0.55
119	156	-4.11	9.81e-03	-2.62e-05	-9.17	0.0	2.56	3.83	1.95e-03	-3.23e-03	9.01e-03	-4.53
		-4.97	9.01e-03	0.0	0.0	54.4	2.56	-5.34	1.95e-03	-3.23e-03	9.81e-03	-4.97
119	182	0.75	-0.02	-1.85e-05	-9.17	0.0	-6.09	3.29	-3.19e-03	-4.55e-03	-0.02	0.35
		-0.15	-0.02	-7.28e-05	0.0	54.4	-6.09	-5.87	-3.19e-03	-4.55e-03	-0.02	-0.15
119	183	-3.09	0.02	-8.46e-05	-9.17	0.0	6.64	3.23	3.04e-03	2.67e-03	0.02	-3.34
		-4.27	0.02	6.62e-05	0.0	54.4	6.64	-5.94	3.04e-03	2.67e-03	0.02	-4.27
119	185	1.75	-0.01	-6.80e-05	-9.17	0.0	-1.96	2.69	-2.09e-03	1.10e-03	-0.01	1.53
		0.52	-0.01	-9.31e-06	0.0	54.4	-1.96	-6.48	-2.09e-03	1.10e-03	-0.01	0.52
119	188	-4.09	9.66e-03	-2.61e-05	-9.17	0.0	2.51	3.83	1.93e-03	-2.97e-03	8.84e-03	-4.51
		-4.94	8.84e-03	2.69e-06	0.0	54.4	2.51	-5.34	1.93e-03	-2.97e-03	9.66e-03	-4.94
119	214	1.07	-0.02	-1.53e-05	-9.17	0.0	-7.15	3.31	-3.72e-03	-5.14e-03	-0.02	0.66
		0.19	-0.02	-8.46e-05	0.0	54.4	-7.15	-5.86	-3.72e-03	-5.14e-03	-0.02	0.19
119	215	-3.41	0.02	-9.10e-05	-9.17	0.0	7.71	3.21	3.56e-03	3.27e-03	0.02	-3.64
		-4.61	0.02	7.80e-05	0.0	54.4	7.71	-5.96	3.56e-03	3.27e-03	0.02	-4.61
119	217	2.25	-0.01	-7.19e-05	-9.17	0.0	-2.30	2.59	-2.45e-03	1.27e-03	-0.01	2.05
		0.98	-0.01	-1.30e-05	0.0	54.4	-2.30	-6.58	-2.45e-03	1.27e-03	-0.01	0.98
119	220	-4.58	0.01	-2.25e-05	-9.17	0.0	2.85	3.93	2.29e-03	-3.15e-03	0.01	-5.03
		-5.40	0.01	6.35e-06	0.0	54.4	2.85	-5.24	2.29e-03	-3.15e-03	0.01	-5.40
119	256	-1.59	-4.28e-04	-5.73e-05	-11.19	0.0	0.42	3.86	-5.23e-05	-1.30e-03	-5.10e-04	-1.95
		-2.89	-5.10e-04	-8.29e-06	0.0	54.4	0.42	-7.33	-5.23e-05	-1.30e-03	-4.28e-04	-2.89
119	273	-0.71	4.46e-05	-4.10e-05	-6.14	0.0	0.44	2.20	-4.24e-04	-9.26e-04	4.46e-05	-0.92
		-1.40	-1.05e-04	-2.97e-06	0.0	54.4	0.44	-3.93	-4.24e-04	-9.26e-04	-1.05e-04	-1.40
119	275	-1.12	-3.36e-05	-5.59e-05	-9.68	0.0	0.62	3.35	-3.83e-04	-1.14e-03	-3.36e-05	-1.43
		-2.24	-1.41e-04	-4.67e-06	0.0	54.4	0.62	-6.33	-3.83e-04	-1.14e-03	-1.41e-04	-2.24
119	286	-0.96	-8.41e-04	-3.34e-05	-6.14	0.0	-0.06	2.25	4.15e-05	-9.00e-04	-9.41e-04	-1.18
		-1.63	-9.41e-04	-1.44e-06	0.0	54.4	-0.06	-3.89	4.15e-05	-9.00e-04	-8.41e-04	-1.63
119	288	-1.36	-8.77e-04	-4.83e-05	-9.68	0.0	0.12	3.39	8.28e-05	-1.11e-03	-1.02e-03	-1.69
		-2.47	-1.02e-03	-3.14e-06	0.0	54.4	0.12	-6.28	8.28e-05	-1.11e-03	-8.77e-04	-2.47
119	298	-1.23	-5.69e-04	-4.90e-05	-9.68	0.0	0.30	3.42	-7.12e-05	-9.67e-04	-6.15e-04	-1.56
		-2.33	-6.15e-04	-3.55e-06	0.0	54.4	0.30	-6.25	-7.12e-05	-9.67e-04	-5.69e-04	-2.33
119	301	-1.20	-6.01e-04	-4.80e-05	-9.17	0.0	0.27	3.23	-7.79e-05	-1.03e-03	-6.49e-04	-1.51
		-2.25	-6.49e-04	-3.37e-06	0.0	54.4	0.27	-5.94	-7.79e-05	-1.03e-03	-6.01e-04	-2.25
119	306	-0.80	-4.21e-04	-3.55e-05	-6.14	0.0	0.18	2.27	-1.75e-04	-7.91e-04	-4.21e-04	-1.03
		-1.47	-4.47e-04	-2.07e-06	0.0	54.4	0.18	-3.87	-1.75e-04	-7.91e-04	-4.47e-04	-1.47
119	307	-1.15	-4.78e-04	-4.83e-05	-9.17	0.0	0.34	3.24	-1.39e-04	-9.71e-04	-4.88e-04	-1.46
		-2.19	-4.88e-04	-3.53e-06	0.0	54.4	0.34	-5.92	-1.39e-04	-9.71e-04	-4.78e-04	-2.19
119	308	-0.84	-5.75e-04	-3.34e-05	-6.14	0.0	0.09	2.29	-8.14e-05	-7.40e-04	-5.95e-04	-1.07

		-1.50	-5.95e-04	-1.74e-06	0.0	54.4	0.09	-3.85	-8.14e-05	-7.40e-04	-5.75e-04	-1.50
119	309	-0.83	-5.33e-04	-3.41e-05	-6.14	0.0	0.12	2.28	-1.13e-04	-7.57e-04	-5.37e-04	-1.06
		-1.49	-5.37e-04	-1.85e-06	0.0	54.4	0.12	-3.86	-1.13e-04	-7.57e-04	-5.33e-04	-1.49
119	310	-1.18	-5.63e-04	-4.69e-05	-9.17	0.0	0.28	3.26	-7.71e-05	-9.37e-04	-6.04e-04	-1.49
		-2.21	-6.04e-04	-3.31e-06	0.0	54.4	0.28	-5.91	-7.71e-05	-9.37e-04	-5.63e-04	-2.21
120	28	-0.95	-4.71e-04	-6.95e-05	-16.37	0.0	0.84	5.83	-1.09e-03	-3.03e-03	-4.71e-04	-1.51
		-2.79	-7.84e-04	-1.21e-05	0.0	54.4	0.84	-10.54	-1.09e-03	-3.03e-03	-7.84e-04	-2.79
120	67	-0.42	4.38e-04	-7.12e-05	-14.09	0.0	1.01	4.98	-1.32e-03	-2.34e-03	4.38e-04	-0.89
		-2.02	-5.50e-05	-6.74e-06	0.0	54.4	1.01	-9.11	-1.32e-03	-2.34e-03	-5.50e-05	-2.02
120	69	-0.13	7.41e-04	-3.70e-05	-5.33	0.0	0.59	1.77	-1.04e-03	-1.35e-03	7.41e-04	-0.29
		-0.78	3.09e-04	-3.46e-06	0.0	54.4	0.59	-3.56	-1.04e-03	-1.35e-03	3.09e-04	-0.78
120	83	-0.83	-1.42e-03	-6.37e-05	-14.09	0.0	0.48	4.94	-7.48e-04	-2.90e-03	-1.42e-03	-1.30
		-2.44	-1.55e-03	-4.86e-06	0.0	54.4	0.48	-9.15	-7.48e-04	-2.90e-03	-1.55e-03	-2.44
120	94	-0.55	-1.17e-03	-2.31e-05	-5.33	0.0	-8.14e-03	1.86	-2.36e-04	-1.39e-03	-1.17e-03	-0.72
		-1.16	-1.17e-03	-1.01e-06	0.0	54.4	-8.14e-03	-3.47	-2.36e-04	-1.39e-03	-1.17e-03	-1.16
120	118	1.02	-0.01	-3.06e-05	-9.17	0.0	-4.68	3.36	0.01	0.01	-0.02	0.58
		0.19	-0.02	-6.40e-05	0.0	54.4	-4.68	-5.81	0.01	0.01	-0.01	0.19
120	119	-1.95	0.02	-5.19e-05	-9.17	0.0	5.46	3.26	-0.01	-0.02	0.02	-2.18
		-3.17	0.01	5.75e-05	0.0	54.4	5.46	-5.91	-0.01	-0.02	0.01	-3.17
120	125	2.52	-7.46e-03	-8.17e-05	-9.17	0.0	-1.20	2.55	7.33e-03	0.01	-0.01	2.33
		1.23	-0.01	2.01e-05	0.0	54.4	-1.20	-6.62	7.33e-03	0.01	-7.46e-03	1.23
120	128	-3.44	0.01	-7.54e-06	-9.17	0.0	1.98	4.07	-8.34e-03	-0.02	0.01	-3.92
		-4.21	6.15e-03	-2.66e-05	0.0	54.4	1.98	-5.10	-8.34e-03	-0.02	6.15e-03	-4.21
120	150	1.21	-0.02	-2.96e-05	-9.17	0.0	-5.31	3.37	0.01	0.02	-0.02	0.75
		0.39	-0.02	-7.15e-05	0.0	54.4	-5.31	-5.80	0.01	0.02	-0.02	0.39
120	151	-2.13	0.02	-5.35e-05	-9.17	0.0	6.09	3.25	-0.02	-0.02	0.02	-2.35
		-3.37	0.01	6.50e-05	0.0	54.4	6.09	-5.92	-0.02	-0.02	0.01	-3.37
120	157	2.90	-8.30e-03	-8.71e-05	-9.17	0.0	-1.39	2.45	8.30e-03	0.02	-0.01	2.72
		1.57	-0.01	2.28e-05	0.0	54.4	-1.39	-6.72	8.30e-03	0.02	-8.30e-03	1.57
120	160	-3.81	0.01	8.18e-06	-9.17	0.0	2.18	4.17	-9.31e-03	-0.02	0.01	-4.32
		-4.55	6.99e-03	-2.93e-05	0.0	54.4	2.18	-5.00	-9.31e-03	-0.02	6.99e-03	-4.55
120	182	1.17	-0.02	-2.95e-05	-9.17	0.0	-5.23	3.39	0.01	0.02	-0.02	0.72
		0.35	-0.02	-7.10e-05	0.0	54.4	-5.23	-5.78	0.01	0.02	-0.02	0.35
120	183	-2.10	0.02	-5.35e-05	-9.17	0.0	6.01	3.23	-0.01	-0.02	0.02	-2.31
		-3.34	0.01	6.45e-05	0.0	54.4	6.01	-5.94	-0.01	-0.02	0.01	-3.34
120	189	2.88	-8.14e-03	-8.74e-05	-9.17	0.0	-1.33	2.45	8.10e-03	0.02	-0.01	2.70
		1.54	-0.01	2.14e-05	0.0	54.4	-1.33	-6.72	8.10e-03	0.02	-8.14e-03	1.54
120	192	-3.78	0.01	8.43e-06	-9.17	0.0	2.11	4.18	-9.11e-03	-0.02	0.01	-4.30
		-4.52	6.83e-03	-2.79e-05	0.0	54.4	2.11	-4.99	-9.11e-03	-0.02	6.83e-03	-4.52
120	214	1.44	-0.02	-2.81e-05	-9.17	0.0	-6.17	3.41	0.02	0.02	-0.03	0.96
		0.66	-0.03	-8.26e-05	0.0	54.4	-6.17	-5.76	0.02	0.02	-0.02	0.66
120	215	-2.36	0.03	-5.59e-05	-9.17	0.0	6.95	3.21	-0.02	-0.02	0.03	-2.56
		-3.64	0.02	7.61e-05	0.0	54.4	6.95	-5.96	-0.02	-0.02	0.02	-3.64
120	221	3.45	-9.33e-03	-9.58e-05	-9.17	0.0	-1.59	2.29	9.47e-03	0.02	-0.01	3.29
		2.05	-0.01	2.46e-05	0.0	54.4	-1.59	-6.88	9.47e-03	0.02	-9.33e-03	2.05
120	224	-4.34	0.01	1.69e-05	-9.17	0.0	2.37	4.33	-0.01	-0.02	0.01	-4.89
		-5.03	8.03e-03	-3.11e-05	0.0	54.4	2.37	-4.84	-0.01	-0.02	8.03e-03	-5.03
120	256	-0.68	-3.58e-04	-4.81e-05	-11.19	0.0	0.57	3.97	-7.73e-04	-2.13e-03	-3.58e-04	-1.06
		-1.95	-5.80e-04	-8.24e-06	0.0	54.4	0.57	-7.22	-7.73e-04	-2.13e-03	-5.80e-04	-1.95
120	273	-0.22	3.33e-04	-3.60e-05	-6.14	0.0	0.48	2.14	-8.59e-04	-1.32e-03	3.33e-04	-0.42
		-0.92	-6.17e-06	-2.98e-06	0.0	54.4	0.48	-4.00	-8.59e-04	-1.32e-03	-6.17e-06	-0.92
120	275	-0.33	2.48e-04	-4.92e-05	-9.68	0.0	0.69	3.40	-9.21e-04	-1.67e-03	2.48e-04	-0.65
		-1.43	-9.46e-05	-4.67e-06	0.0	54.4	0.69	-6.27	-9.21e-04	-1.67e-03	-9.46e-05	-1.43
120	283	-0.60	-9.89e-04	-4.42e-05	-9.68	0.0	0.34	3.37	-5.43e-04	-2.04e-03	-9.89e-04	-0.92
		-1.72	-1.09e-03	-3.41e-06	0.0	54.4	0.34	-6.30	-5.43e-04	-2.04e-03	-1.09e-03	-1.72
120	286	-0.50	-9.43e-04	-2.69e-05	-6.14	0.0	0.08	2.20	-3.24e-04	-1.34e-03	-9.43e-04	-0.71
		-1.18	-9.90e-04	-1.35e-06	0.0	54.4	0.08	-3.93	-3.24e-04	-1.34e-03	-9.90e-04	-1.18
120	298	-0.49	-5.26e-04	-4.17e-05	-9.68	0.0	0.42	3.49	-5.15e-04	-1.49e-03	-5.26e-04	-0.83
		-1.56	-6.67e-04	-3.49e-06	0.0	54.4	0.42	-6.18	-5.15e-04	-1.49e-03	-6.67e-04	-1.56
120	301	-0.49	-5.60e-04	-4.07e-05	-9.17	0.0	0.39	3.28	-5.36e-04	-1.56e-03	-5.60e-04	-0.81
		-1.51	-7.04e-04	-3.30e-06	0.0	54.4	0.39	-5.89	-5.36e-04	-1.56e-03	-7.04e-04	-1.51
120	306	-0.35	-2.86e-04	-2.97e-05	-6.14	0.0	0.27	2.21	-5.33e-04	-1.17e-03	-2.86e-04	-0.57
		-1.03	-4.64e-04	-2.03e-06	0.0	54.4	0.27	-3.92	-5.33e-04	-1.17e-03	-4.64e-04	-1.03
120	307	-0.44	-3.59e-04	-4.13e-05	-9.17	0.0	0.44	3.29	-5.87e-04	-1.47e-03	-3.59e-04	-0.76
		-1.46	-5.40e-04	-3.48e-06	0.0	54.4	0.44	-5.88	-5.87e-04	-1.47e-03	-5.40e-04	-1.46
120	308	-0.40	-5.18e-04	-2.75e-05	-6.14	0.0	0.19	2.24	-4.11e-04	-1.11e-03	-5.18e-04	-0.62
		-1.07	-6.36e-04	-1.68e-06	0.0	54.4	0.19	-3.90	-4.11e-04	-1.11e-03	-6.36e-04	-1.07
120	309	-0.38	-4.41e-04	-2.82e-05	-6.14	0.0	0.22	2.23	-4.52e-04	-1.13e-03	-4.41e-04	-0.60
		-1.06	-5.78e-04	-1.80e-06	0.0	54.4	0.22	-3.91	-4.52e-04	-1.13e-03	-5.78e-04	-1.06
120	310	-0.47	-5.14e-04	-3.98e-05	-9.17	0.0	0.39	3.31	-5.06e-04	-1.44e-03	-5.14e-04	-0.80
		-1.49	-6.54e-04	-3.24e-06	0.0	54.4	0.39	-5.86	-5.06e-04	-1.44e-03	-6.54e-04	-1.49
121	28	0.24	4.05e-04	-6.85e-05	-16.37	0.0	0.96	6.11	-2.94e-03	-5.00e-03	4.05e-04	-0.38
		-1.51	-6.58e-04	-1.20e-05	0.0	54.4	0.96	-10.26	-2.94e-03	-5.00e-03	-6.58e-04	-1.51
121	68	0.61	2.12e-03	-7.76e-05	-14.09	0.0	1.05	5.19	-4.54e-03	-4.10e-03	2.12e-03	0.09
		-0.92	9.69e-05	-6.97e-06	0.0	54.4	1.05	-8.90	-4.54e-03	-4.10e-03	9.69e-05	-0.92

121	69	0.32	2.53e-03	-3.87e-05	-5.33	0.0	0.60	1.88	-3.82e-03	-1.84e-03	2.53e-03	0.14
		-0.29	6.60e-04	-3.54e-06	0.0	54.4	0.60	-3.45	-3.82e-03	-1.84e-03	6.60e-04	-0.29
121	92	0.17	-1.62e-03	-5.70e-05	-14.09	0.0	0.54	5.29	1.20e-04	-3.74e-03	-2.08e-03	-0.37
		-1.33	-2.08e-03	-4.14e-06	0.0	54.4	0.54	-8.80	1.20e-04	-3.74e-03	-1.62e-03	-1.33
121	93	-0.13	-1.06e-03	-1.78e-05	-5.33	0.0	0.08	1.98	8.44e-04	-1.48e-03	-1.67e-03	-0.32
		-0.70	-1.67e-03	0.0	0.0	54.4	0.08	-3.35	8.44e-04	-1.48e-03	-1.06e-03	-0.70
121	118	1.35	-0.02	-4.27e-05	-9.17	0.0	-3.72	4.27	0.05	0.04	-0.04	0.85
		0.58	-0.04	-6.20e-05	0.0	54.4	-3.72	-4.90	0.05	0.04	-0.02	0.58
121	119	-0.98	0.04	-3.61e-05	-9.17	0.0	4.64	2.63	-0.05	-0.05	0.04	-1.21
		-2.18	0.02	5.57e-05	0.0	54.4	4.64	-6.54	-0.05	-0.05	0.02	-2.18
121	128	-3.06	0.02	3.62e-05	-9.17	0.0	1.86	3.74	-0.03	-0.04	0.02	-3.48
		-3.92	6.31e-03	-2.71e-05	0.0	54.4	1.86	-5.43	-0.03	-0.04	6.31e-03	-3.92
121	141	3.59	2.64e-03	-1.40e-04	-9.17	0.0	1.89	2.35	-1.16e-03	3.61e-03	2.64e-03	3.43
		2.21	2.35e-03	-5.69e-05	0.0	54.4	1.89	-6.82	-1.16e-03	3.61e-03	2.35e-03	2.21
121	150	1.49	-0.02	-4.31e-05	-9.17	0.0	-4.24	4.37	0.06	0.05	-0.05	0.98
		0.75	-0.05	-6.93e-05	0.0	54.4	-4.24	-4.80	0.06	0.05	-0.02	0.75
121	151	-1.12	0.05	-3.57e-05	-9.17	0.0	5.15	2.52	-0.06	-0.05	0.05	-1.34
		-2.35	0.02	6.30e-05	0.0	54.4	5.15	-6.65	-0.06	-0.05	0.02	-2.35
121	160	-3.47	0.03	4.57e-05	-9.17	0.0	2.03	3.78	-0.03	-0.04	0.03	-3.90
		-4.32	7.16e-03	-2.99e-05	0.0	54.4	2.03	-5.39	-0.03	-0.04	7.16e-03	-4.32
121	173	4.04	3.05e-03	-1.54e-04	-9.17	0.0	2.08	2.20	-1.21e-03	4.33e-03	3.05e-03	3.90
		2.60	2.75e-03	-6.41e-05	0.0	54.4	2.08	-6.97	-1.21e-03	4.33e-03	2.75e-03	2.60
121	182	1.46	-0.02	-4.28e-05	-9.17	0.0	-4.17	4.37	0.05	0.05	-0.05	0.95
		0.72	-0.05	-6.88e-05	0.0	54.4	-4.17	-4.80	0.05	0.05	-0.02	0.72
121	183	-1.09	0.05	-3.61e-05	-9.17	0.0	5.09	2.53	-0.06	-0.05	0.05	-1.31
		-2.31	0.02	6.25e-05	0.0	54.4	5.09	-6.64	-0.06	-0.05	0.02	-2.31
121	205	4.12	3.26e-03	-1.56e-04	-9.17	0.0	2.13	2.17	-1.35e-03	4.20e-03	3.26e-03	3.98
		2.66	2.89e-03	-6.65e-05	0.0	54.4	2.13	-7.00	-1.35e-03	4.20e-03	2.89e-03	2.66
121	208	-3.68	-3.92e-03	7.87e-05	-9.17	0.0	-1.22	4.72	-5.38e-04	-8.72e-03	-3.92e-03	-4.34
		-4.34	-4.09e-03	6.01e-05	0.0	54.4	-1.22	-4.44	-5.38e-04	-8.72e-03	-4.09e-03	-4.26
121	214	1.67	-0.02	-4.33e-05	-9.17	0.0	-4.94	4.53	0.06	0.05	-0.06	1.13
		0.96	-0.06	-8.01e-05	0.0	54.4	-4.94	-4.64	0.06	0.05	-0.02	0.96
121	215	-1.29	0.06	-3.55e-05	-9.17	0.0	5.86	2.37	-0.07	-0.06	0.06	-1.49
		-2.56	0.02	7.37e-05	0.0	54.4	5.86	-6.80	-0.07	-0.06	0.02	-2.56
121	237	4.86	4.05e-03	-1.78e-04	-9.17	0.0	2.45	1.93	-1.54e-03	5.22e-03	4.05e-03	4.75
		3.30	3.59e-03	-7.93e-05	0.0	54.4	2.45	-7.24	-1.54e-03	5.22e-03	3.59e-03	3.30
121	240	-4.38	-4.70e-03	1.01e-04	-9.17	0.0	-1.54	4.97	-3.49e-04	-9.73e-03	-4.70e-03	-5.11
		-5.11	-4.79e-03	7.30e-05	0.0	54.4	-1.54	-4.20	-3.49e-04	-9.73e-03	-4.79e-03	-4.90
121	256	0.14	2.39e-04	-4.72e-05	-11.19	0.0	0.66	4.16	-2.03e-03	-3.49e-03	2.39e-04	-0.28
		-1.06	-4.90e-04	-8.20e-06	0.0	54.4	0.66	-7.04	-2.03e-03	-3.49e-03	-4.90e-04	-1.06
121	273	0.25	1.59e-03	-3.68e-05	-6.14	0.0	0.51	2.23	-2.83e-03	-1.86e-03	1.59e-03	0.03
		-0.42	2.53e-04	-3.01e-06	0.0	54.4	0.51	-3.91	-2.83e-03	-1.86e-03	2.53e-04	-0.42
121	276	0.39	1.38e-03	-5.33e-05	-9.68	0.0	0.73	3.54	-3.09e-03	-2.89e-03	1.38e-03	0.04
		-0.67	1.36e-05	-4.81e-06	0.0	54.4	0.73	-6.13	-3.09e-03	-2.89e-03	1.36e-05	-0.67
121	285	-0.04	-8.90e-04	-2.30e-05	-6.14	0.0	0.16	2.30	2.77e-04	-1.62e-03	-1.21e-03	-0.27
		-0.69	-1.21e-03	-1.12e-06	0.0	54.4	0.16	-3.84	2.77e-04	-1.62e-03	-8.90e-04	-0.69
121	288	0.09	-1.13e-03	-3.95e-05	-9.68	0.0	0.38	3.61	1.17e-05	-2.65e-03	-1.42e-03	-0.27
		-0.94	-1.42e-03	-2.92e-06	0.0	54.4	0.38	-6.07	1.17e-05	-2.65e-03	-1.13e-03	-0.94
121	301	0.17	-3.87e-04	-4.04e-05	-9.17	0.0	0.46	3.43	-9.64e-04	-2.41e-03	-3.87e-04	-0.17
		-0.81	-6.54e-04	-3.23e-06	0.0	54.4	0.46	-5.74	-9.64e-04	-2.41e-03	-6.54e-04	-0.81
121	305	0.14	-7.87e-05	-3.85e-05	-9.17	0.0	0.48	3.44	-1.25e-03	-2.42e-03	-7.87e-05	-0.22
		-0.84	-4.99e-04	-4.49e-06	0.0	54.4	0.48	-5.73	-1.25e-03	-2.42e-03	-4.99e-04	-0.84
121	306	0.10	9.29e-05	-2.91e-05	-6.14	0.0	0.33	2.27	-1.17e-03	-1.73e-03	9.29e-05	-0.13
		-0.57	-3.56e-04	-2.00e-06	0.0	54.4	0.33	-3.87	-1.17e-03	-1.73e-03	-3.56e-04	-0.57
121	307	0.21	4.56e-05	-4.12e-05	-9.17	0.0	0.50	3.44	-1.36e-03	-2.29e-03	4.56e-05	-0.14
		-0.76	-4.48e-04	-3.44e-06	0.0	54.4	0.50	-5.73	-1.36e-03	-2.29e-03	-4.48e-04	-0.76
121	308	0.04	-4.67e-04	-2.64e-05	-6.14	0.0	0.26	2.28	-5.51e-04	-1.68e-03	-4.67e-04	-0.19
		-0.62	-5.85e-04	-1.62e-06	0.0	54.4	0.26	-3.86	-5.51e-04	-1.68e-03	-5.85e-04	-0.62
121	309	0.06	-2.80e-04	-2.73e-05	-6.14	0.0	0.28	2.28	-7.58e-04	-1.70e-03	-2.80e-04	-0.17
		-0.60	-5.09e-04	-1.75e-06	0.0	54.4	0.28	-3.86	-7.58e-04	-1.70e-03	-5.09e-04	-0.60
121	310	0.17	-3.28e-04	-3.94e-05	-9.17	0.0	0.46	3.45	-9.44e-04	-2.26e-03	-3.28e-04	-0.18
		-0.80	-6.01e-04	-3.18e-06	0.0	54.4	0.46	-5.72	-9.44e-04	-2.26e-03	-6.01e-04	-0.80
122	43	0.81	1.09e-03	-6.02e-05	-14.09	0.0	0.95	5.82	0.01	-3.55e-03	-6.26e-03	0.16
		-0.50	-6.26e-03	-1.48e-05	0.0	54.4	0.95	-8.27	0.01	-3.55e-03	1.09e-03	-0.50
122	52	1.41	6.66e-04	-9.76e-05	-16.37	0.0	1.28	7.03	6.90e-03	-3.25e-03	-3.80e-03	0.59
		-0.04	-3.80e-03	-7.34e-06	0.0	54.4	1.28	-9.34	6.90e-03	-3.25e-03	6.66e-04	-0.04
122	68	1.32	1.84e-03	-9.46e-05	-14.09	0.0	1.43	6.09	2.90e-03	-2.94e-03	-3.85e-04	0.61
		0.09	-3.85e-04	-7.15e-06	0.0	54.4	1.43	-8.01	2.90e-03	-2.94e-03	1.84e-03	0.09
122	69	0.60	2.82e-03	-4.74e-05	-5.33	0.0	0.98	2.31	-1.27e-03	-1.24e-03	2.82e-03	0.33
		0.14	2.40e-03	-3.79e-06	0.0	54.4	0.98	-3.02	-1.27e-03	-1.24e-03	2.40e-03	0.14
122	92	0.91	-2.33e-03	-6.66e-05	-14.09	0.0	0.39	5.93	0.02	-2.86e-03	-0.01	0.23
		-0.37	-0.01	-3.87e-06	0.0	54.4	0.39	-8.16	0.02	-2.86e-03	-2.33e-03	-0.37
122	93	0.19	-1.76e-03	-1.98e-05	-5.33	0.0	-0.06	2.15	0.01	-1.16e-03	-8.80e-03	-0.05
		-0.32	-8.80e-03	0.0	0.0	54.4	-0.06	-3.17	0.01	-1.16e-03	-1.76e-03	-0.32
122	118	1.40	-0.03	-6.30e-05	-9.17	0.0	-3.22	4.90	0.04	0.05	-0.05	0.71

		0.71	-0.05	-5.79e-05	0.0	54.4	-3.22	-4.27	0.04	0.05	-0.03	0.85
122	119	-0.05	0.04	-3.13e-05	-9.17	0.0	4.17	2.86	-0.02	-0.05	0.04	-0.30
		-1.21	0.03	5.16e-05	0.0	54.4	4.17	-6.31	-0.02	-0.05	0.03	-1.21
122	141	3.98	4.95e-03	-2.01e-04	-9.17	0.0	1.66	4.85	4.08e-03	0.02	2.37e-03	3.29
		3.29	2.37e-03	-5.79e-05	0.0	54.4	1.66	-4.32	4.08e-03	0.02	4.95e-03	3.43
122	144	-2.63	-5.91e-03	1.09e-04	-9.17	0.0	-0.71	2.91	0.01	-0.02	-0.01	-2.88
		-3.79	-0.01	5.17e-05	0.0	54.4	-0.71	-6.26	0.01	-0.02	-5.91e-03	-3.79
122	150	1.50	-0.04	-6.50e-05	-9.17	0.0	-3.67	5.03	0.04	0.06	-0.06	0.77
		0.77	-0.06	-6.47e-05	0.0	54.4	-3.67	-4.14	0.04	0.06	-0.04	0.98
122	151	-0.13	0.05	-2.97e-05	-9.17	0.0	4.63	2.73	-0.02	-0.06	0.05	-0.36
		-1.34	0.04	5.84e-05	0.0	54.4	4.63	-6.44	-0.02	-0.06	0.04	-1.34
122	173	4.42	5.68e-03	-2.22e-04	-9.17	0.0	1.82	4.97	3.46e-03	0.02	3.44e-03	3.69
		3.69	3.44e-03	-6.53e-05	0.0	54.4	1.82	-4.20	3.46e-03	0.02	5.68e-03	3.90
122	176	-3.05	-6.63e-03	1.29e-04	-9.17	0.0	-0.86	2.79	0.01	-0.02	-0.01	-3.29
		-4.26	-0.01	5.90e-05	0.0	54.4	-0.86	-6.38	0.01	-0.02	-6.63e-03	-4.26
122	182	1.47	-0.04	-6.42e-05	-9.17	0.0	-3.61	5.00	0.04	0.05	-0.06	0.75
		0.75	-0.06	-6.42e-05	0.0	54.4	-3.61	-4.16	0.04	0.05	-0.04	0.95
122	183	-0.11	0.05	-3.03e-05	-9.17	0.0	4.57	2.76	-0.02	-0.06	0.05	-0.34
		-1.31	0.04	5.80e-05	0.0	54.4	4.57	-6.41	-0.02	-0.06	0.04	-1.31
122	205	4.50	5.94e-03	-2.25e-04	-9.17	0.0	1.86	4.99	3.27e-03	0.02	3.81e-03	3.76
		3.76	3.81e-03	-6.76e-05	0.0	54.4	1.86	-4.18	3.27e-03	0.02	5.94e-03	3.98
122	208	-3.13	-6.90e-03	1.33e-04	-9.17	0.0	-0.91	2.77	0.01	-0.02	-0.02	-3.36
		-4.34	-0.02	6.14e-05	0.0	54.4	-0.91	-6.40	0.01	-0.02	-6.90e-03	-4.34
122	214	1.62	-0.04	-6.72e-05	-9.17	0.0	-4.29	5.19	0.04	0.06	-0.07	0.84
		0.84	-0.07	-7.47e-05	0.0	54.4	-4.29	-3.98	0.04	0.06	-0.04	1.13
122	215	-0.23	0.06	-2.79e-05	-9.17	0.0	5.25	2.57	-0.03	-0.07	0.06	-0.43
		-1.49	0.04	6.85e-05	0.0	54.4	5.25	-6.60	-0.03	-0.07	0.04	-1.49
122	237	5.22	7.24e-03	-2.59e-04	-9.17	0.0	2.13	5.19	2.19e-03	0.03	5.69e-03	4.43
		4.43	5.69e-03	-8.06e-05	0.0	54.4	2.13	-3.98	2.19e-03	0.03	7.24e-03	4.75
122	240	-3.82	-8.19e-03	1.66e-04	-9.17	0.0	-1.18	2.57	0.02	-0.03	-0.02	-4.02
		-5.11	-0.02	7.44e-05	0.0	54.4	-1.18	-6.60	0.02	-0.03	-8.19e-03	-5.11
122	263	0.55	6.88e-04	-4.19e-05	-9.68	0.0	0.66	3.98	8.87e-03	-2.48e-03	-4.69e-03	0.11
		-0.36	-4.69e-03	-1.00e-05	0.0	54.4	0.66	-5.69	8.87e-03	-2.48e-03	6.88e-04	-0.36
122	268	0.95	4.03e-04	-6.69e-05	-11.19	0.0	0.88	4.79	5.42e-03	-2.28e-03	-3.05e-03	0.39
		-0.05	-3.05e-03	-5.05e-06	0.0	54.4	0.88	-6.40	5.42e-03	-2.28e-03	4.03e-04	-0.05
122	273	0.58	1.46e-03	-4.47e-05	-6.14	0.0	0.77	2.64	2.22e-03	-1.30e-03	-3.03e-05	0.27
		0.03	-3.03e-05	-3.16e-06	0.0	54.4	0.77	-3.50	2.22e-03	-1.30e-03	1.46e-03	0.03
122	276	0.89	1.19e-03	-6.49e-05	-9.68	0.0	0.98	4.16	2.76e-03	-2.08e-03	-7.69e-04	0.41
		0.04	-7.69e-04	-4.93e-06	0.0	54.4	0.98	-5.51	2.76e-03	-2.08e-03	1.19e-03	0.04
122	285	0.30	-1.32e-03	-2.62e-05	-6.14	0.0	0.08	2.53	0.01	-1.25e-03	-7.78e-03	0.02
		-0.27	-7.78e-03	0.0	0.0	54.4	0.08	-3.60	0.01	-1.25e-03	-1.32e-03	-0.27
122	288	0.62	-1.59e-03	-4.62e-05	-9.68	0.0	0.29	4.05	0.01	-2.02e-03	-8.51e-03	0.15
		-0.27	-8.51e-03	-2.74e-06	0.0	54.4	0.29	-5.62	0.01	-2.02e-03	-1.59e-03	-0.27
122	298	0.69	-4.92e-04	-4.87e-05	-9.68	0.0	0.51	4.10	8.85e-03	-1.79e-03	-5.69e-03	0.22
		-0.18	-5.69e-03	-3.36e-06	0.0	54.4	0.51	-5.58	8.85e-03	-1.79e-03	-4.92e-04	-0.18
122	303	0.66	-5.96e-04	-4.71e-05	-9.17	0.0	0.46	3.89	8.77e-03	-1.64e-03	-5.72e-03	0.21
		-0.16	-5.72e-03	-2.46e-06	0.0	54.4	0.46	-5.28	8.77e-03	-1.64e-03	-5.96e-04	-0.16
122	305	0.62	-2.42e-04	-4.49e-05	-9.17	0.0	0.51	3.86	8.78e-03	-1.85e-03	-5.42e-03	0.18
		-0.22	-5.42e-03	-4.46e-06	0.0	54.4	0.51	-5.31	8.78e-03	-1.85e-03	-2.42e-04	-0.22
122	306	0.43	-2.10e-05	-3.45e-05	-6.14	0.0	0.40	2.58	7.11e-03	-1.27e-03	-4.16e-03	0.13
		-0.13	-4.16e-03	-2.00e-06	0.0	54.4	0.40	-3.56	7.11e-03	-1.27e-03	-2.10e-05	-0.13
122	307	0.69	-1.07e-04	-4.87e-05	-9.17	0.0	0.57	3.89	7.55e-03	-1.72e-03	-4.59e-03	0.24
		-0.14	-4.59e-03	-3.42e-06	0.0	54.4	0.57	-5.28	7.55e-03	-1.72e-03	-1.07e-04	-0.14
122	308	0.37	-5.77e-04	-3.08e-05	-6.14	0.0	0.26	2.56	8.94e-03	-1.26e-03	-5.71e-03	0.08
		-0.19	-5.71e-03	-1.56e-06	0.0	54.4	0.26	-3.58	8.94e-03	-1.26e-03	-5.77e-04	-0.19
122	309	0.39	-3.92e-04	-3.20e-05	-6.14	0.0	0.31	2.57	8.33e-03	-1.27e-03	-5.19e-03	0.10
		-0.17	-5.19e-03	-1.70e-06	0.0	54.4	0.31	-3.57	8.33e-03	-1.27e-03	-3.92e-04	-0.17
122	310	0.65	-4.78e-04	-4.63e-05	-9.17	0.0	0.48	3.88	8.78e-03	-1.71e-03	-5.62e-03	0.20
		-0.18	-5.62e-03	-3.12e-06	0.0	54.4	0.48	-5.29	8.78e-03	-1.71e-03	-4.78e-04	-0.18
123	45	0.32	7.58e-04	-2.40e-05	-5.33	0.0	0.22	2.48	-0.01	0.0	7.58e-04	0.01
		-0.09	-4.70e-03	-1.11e-05	0.0	54.4	0.22	-2.85	-0.01	0.0	-4.70e-03	-0.09
123	52	1.45	0.03	-1.32e-04	-16.37	0.0	0.41	9.15	-0.07	0.0	0.03	0.06
		0.06	-5.46e-03	-6.70e-06	0.0	54.4	0.41	-7.22	-0.07	0.0	-5.46e-03	0.59
123	68	1.32	0.05	-1.26e-04	-14.09	0.0	0.46	8.02	-0.09	0.0	0.05	0.08
		0.08	-1.81e-03	-6.87e-06	0.0	54.4	0.46	-6.07	-0.09	0.0	-1.81e-03	0.61
123	93	0.33	-9.54e-03	-2.60e-05	-5.33	0.0	0.12	2.62	0.02	0.0	-0.02	-0.02
		-0.05	-0.02	0.0	0.0	54.4	0.12	-2.71	0.02	0.0	-9.54e-03	-0.05
123	118	0.91	3.50e-05	-9.04e-05	-9.17	0.0	-0.82	6.46	-0.06	0.0	3.50e-05	-0.37
		-0.37	-0.04	-5.27e-05	0.0	54.4	-0.82	-2.71	-0.06	0.0	-0.04	0.71
123	119	0.71	0.03	-3.70e-05	-9.17	0.0	1.25	3.41	0.03	0.0	2.98e-03	0.39
		-0.30	2.98e-03	4.79e-05	0.0	54.4	1.25	-5.76	0.03	0.0	0.03	-0.30
123	141	3.29	0.04	-2.91e-04	-9.17	0.0	0.35	10.29	-0.06	0.0	0.04	0.20
		0.20	5.99e-03	-5.87e-05	0.0	54.4	0.35	1.12	-0.06	0.0	5.99e-03	3.29
123	144	-0.17	-0.02	1.65e-04	-9.17	0.0	0.07	-0.42	0.03	0.0	-0.04	-0.17
		-2.88	-0.04	5.38e-05	0.0	54.4	0.07	-9.59	0.03	0.0	-0.02	-2.88

123	150	0.94	-2.12e-04	-9.36e-05	-9.17	0.0	-0.95	6.65	-0.07	0.0	-2.12e-04	-0.41
		-0.41	-0.05	-5.89e-05	0.0	54.4	-0.95	-2.52	-0.07	0.0	-0.05	0.77
123	151	0.72	0.03	-3.43e-05	-9.17	0.0	1.37	3.23	0.04	0.0	3.22e-03	0.44
		-0.36	3.22e-03	5.41e-05	0.0	54.4	1.37	-5.94	0.04	0.0	0.03	-0.36
123	173	3.69	0.04	-3.21e-04	-9.17	0.0	0.37	10.99	-0.07	0.0	0.04	0.22
		0.22	7.66e-03	-6.62e-05	0.0	54.4	0.37	1.82	-0.07	0.0	7.66e-03	3.69
123	176	-0.20	-0.02	1.95e-04	-9.17	0.0	0.05	-1.11	0.04	0.0	-0.04	-0.20
		-3.29	-0.04	6.14e-05	0.0	54.4	0.05	-10.28	0.04	0.0	-0.02	-3.29
123	182	0.93	-5.44e-04	-9.24e-05	-9.17	0.0	-0.93	6.60	-0.07	0.0	-5.44e-04	-0.41
		-0.41	-0.05	-5.86e-05	0.0	54.4	-0.93	-2.57	-0.07	0.0	-0.05	0.75
123	183	0.72	0.03	-3.53e-05	-9.17	0.0	1.35	3.28	0.04	0.0	3.56e-03	0.43
		-0.34	3.56e-03	5.37e-05	0.0	54.4	1.35	-5.89	0.04	0.0	0.03	-0.34
123	205	3.76	0.04	-3.26e-04	-9.17	0.0	0.38	11.11	-0.07	0.0	0.04	0.22
		0.22	8.12e-03	-6.86e-05	0.0	54.4	0.38	1.94	-0.07	0.0	8.12e-03	3.76
123	208	-0.20	-0.02	2.01e-04	-9.17	0.0	0.05	-1.23	0.04	0.0	-0.04	-0.20
		-3.36	-0.04	6.38e-05	0.0	54.4	0.05	-10.40	0.04	0.0	-0.02	-3.36
123	214	0.98	-9.55e-04	-9.73e-05	-9.17	0.0	-1.12	6.87	-0.08	0.0	-9.55e-04	-0.48
		-0.48	-0.05	-6.82e-05	0.0	54.4	-1.12	-2.30	-0.08	0.0	-0.05	0.84
123	215	0.74	0.04	-3.15e-05	-9.17	0.0	1.54	3.00	0.05	0.0	3.97e-03	0.50
		-0.43	3.97e-03	6.34e-05	0.0	54.4	1.54	-6.17	0.05	0.0	0.04	-0.43
123	237	4.43	0.05	-3.75e-04	-9.17	0.0	0.41	12.25	-0.08	0.0	0.05	0.27
		0.27	0.01	-8.19e-05	0.0	54.4	0.41	3.08	-0.08	0.0	0.01	4.43
123	240	-0.24	-0.02	2.50e-04	-9.17	0.0	0.01	-2.38	0.05	0.0	-0.05	-0.24
		-4.02	-0.05	7.71e-05	0.0	54.4	0.01	-11.55	0.05	0.0	-0.02	-4.02
123	268	0.99	0.02	-9.03e-05	-11.19	0.0	0.29	6.24	-0.05	0.0	0.02	0.04
		0.04	-4.22e-03	-4.56e-06	0.0	54.4	0.29	-4.95	-0.05	0.0	-4.22e-03	0.39
123	276	0.90	0.03	-8.65e-05	-9.68	0.0	0.32	5.49	-0.06	0.0	0.03	0.05
		0.05	-1.78e-03	-4.68e-06	0.0	54.4	0.32	-4.19	-0.06	0.0	-1.78e-03	0.41
123	285	0.42	-8.54e-03	-3.48e-05	-6.14	0.0	0.15	3.12	0.01	0.0	-0.01	-0.01
		-0.01	-0.01	0.0	0.0	54.4	0.15	-3.01	0.01	0.0	-8.54e-03	0.02
123	298	0.78	1.59e-03	-6.63e-05	-9.68	0.0	0.22	5.22	-0.02	0.0	1.59e-03	0.01
		0.01	-6.68e-03	-2.63e-06	0.0	54.4	0.22	-4.46	-0.02	0.0	-6.68e-03	0.22
123	301	0.74	1.59e-03	-6.47e-05	-9.17	0.0	0.22	4.95	-0.02	0.0	1.59e-03	0.01
		0.01	-6.72e-03	-2.44e-06	0.0	54.4	0.22	-4.22	-0.02	0.0	-6.72e-03	0.21
123	307	0.75	7.71e-03	-6.61e-05	-9.17	0.0	0.23	4.98	-0.02	0.0	7.71e-03	0.02
		0.02	-5.52e-03	-2.80e-06	0.0	54.4	0.23	-4.19	-0.02	0.0	-5.52e-03	0.24
123	308	0.46	-2.12e-03	-4.12e-05	-6.14	0.0	0.19	3.22	-7.95e-03	0.0	-2.12e-03	1.90e-03
		1.90e-03	-6.44e-03	0.0	0.0	54.4	0.19	-2.92	-7.95e-03	0.0	-6.44e-03	0.08
123	309	0.47	9.86e-04	-4.28e-05	-6.14	0.0	0.20	3.24	-0.01	0.0	9.86e-04	5.83e-03
		5.83e-03	-5.91e-03	-1.06e-06	0.0	54.4	0.20	-2.89	-0.01	0.0	-5.91e-03	0.10
123	310	0.73	1.51e-03	-6.29e-05	-9.17	0.0	0.21	4.94	-0.01	0.0	1.51e-03	0.01
		0.01	-6.57e-03	-2.41e-06	0.0	54.4	0.21	-4.23	-0.01	0.0	-6.57e-03	0.20
124	28	-6.31	9.79e-03	6.58e-05	-12.06	0.0	1.51	11.02	-0.02	0.0	9.79e-03	-8.88
		-8.88	-1.77e-03	-8.00e-06	0.0	51.1	1.51	-1.04	-0.02	0.0	-1.77e-03	-6.33
124	44	-5.66	0.01	6.03e-05	-9.92	0.0	1.48	9.49	-0.02	0.0	0.01	-7.97
		-7.97	-1.73e-03	-9.89e-06	0.0	51.1	1.48	-0.43	-0.02	0.0	-1.73e-03	-5.66
124	52	-6.57	7.91e-03	6.40e-05	-12.06	0.0	0.78	10.87	-0.02	-1.14e-06	7.91e-03	-9.07
		-9.07	-1.68e-03	-4.55e-06	0.0	51.1	0.78	-1.18	-0.02	-1.14e-06	-1.68e-03	-6.59
124	69	-2.89	2.68e-03	2.47e-05	-3.23	0.0	-0.42	3.41	-6.71e-03	0.0	2.68e-03	-3.80
		-3.80	-7.49e-04	-1.85e-06	0.0	51.1	-0.42	0.17	-6.71e-03	0.0	-7.49e-04	-2.89
124	76	-6.06	7.30e-03	6.30e-05	-12.06	0.0	1.55	10.98	-0.02	0.0	7.30e-03	-8.61
		-8.61	-1.38e-03	-4.09e-06	0.0	51.1	1.55	-1.08	-0.02	0.0	-1.38e-03	-6.08
124	93	-2.03	1.65e-03	2.31e-05	-3.23	0.0	0.86	3.59	-3.72e-03	0.0	1.65e-03	-3.04
		-3.04	-2.55e-04	-1.09e-06	0.0	51.1	0.86	0.36	-3.72e-03	0.0	-2.55e-04	-2.03
124	118	0.99	2.34e-03	1.18e-05	-6.40	0.0	6.65	5.01	0.03	2.01e-06	-0.01	-0.04
		-0.04	-0.01	2.88e-04	0.0	51.1	6.65	-1.39	0.03	2.01e-06	2.34e-03	0.92
124	119	-7.94	0.02	5.90e-05	-6.40	0.0	-5.26	6.99	-0.05	-3.01e-06	0.02	-9.83
		-9.83	-3.91e-03	-2.93e-04	0.0	51.1	-5.26	0.59	-0.05	-3.01e-06	-3.91e-03	-7.94
124	138	0.82	1.49e-03	2.81e-05	-6.40	0.0	10.49	6.63	0.02	2.95e-06	-6.70e-03	-0.91
		-0.91	-6.70e-03	1.09e-03	0.0	51.1	10.49	0.23	0.02	2.95e-06	1.49e-03	0.82
124	139	-7.80	0.01	4.28e-05	-6.40	0.0	-9.10	5.37	-0.03	-3.94e-06	0.01	-8.96
		-8.96	-3.06e-03	-1.10e-03	0.0	51.1	-9.10	-1.03	-0.03	-3.94e-06	-3.06e-03	-7.83
124	150	1.55	2.72e-03	8.87e-06	-6.40	0.0	7.39	4.89	0.04	2.33e-06	-0.02	0.56
		0.56	-0.02	3.25e-04	0.0	51.1	7.39	-1.51	0.04	2.33e-06	2.72e-03	1.47
124	151	-8.49	0.02	6.19e-05	-6.40	0.0	-6.00	7.11	-0.06	-3.32e-06	0.02	-10.43
		-10.43	-4.29e-03	-3.30e-04	0.0	51.1	-6.00	0.71	-0.06	-3.32e-06	-4.29e-03	-8.49
124	170	1.38	1.78e-03	2.71e-05	-6.40	0.0	11.76	6.72	0.02	3.40e-06	-8.03e-03	-0.40
		-0.40	-8.03e-03	1.23e-03	0.0	51.1	11.76	0.32	0.02	3.40e-06	1.78e-03	1.38
124	171	-8.34	0.02	4.37e-05	-6.40	0.0	-10.37	5.28	-0.04	-4.39e-06	0.02	-9.47
		-9.47	-3.35e-03	-1.24e-03	0.0	51.1	-10.37	-1.12	-0.04	-4.39e-06	-3.35e-03	-8.39
124	182	1.49	2.66e-03	9.24e-06	-6.40	0.0	7.35	4.92	0.04	2.30e-06	-0.02	0.49
		0.49	-0.02	3.26e-04	0.0	51.1	7.35	-1.48	0.04	2.30e-06	2.66e-03	1.41
124	183	-8.43	0.02	6.16e-05	-6.40	0.0	-5.96	7.08	-0.06	-3.29e-06	0.02	-10.36
		-10.36	-4.22e-03	-3.30e-04	0.0	51.1	-5.96	0.68	-0.06	-3.29e-06	-4.22e-03	-8.43
124	202	1.43	1.78e-03	2.70e-05	-6.40	0.0	11.96	6.75	0.02	3.46e-06	-7.98e-03	-0.37

		-0.37	-7.98e-03	1.23e-03	0.0	51.1	11.96	0.35	0.02	3.46e-06	1.78e-03	1.43
124	203	-8.39	0.02	4.38e-05	-6.40	0.0	-10.57	5.25	-0.04	-4.45e-06	0.02	-9.50
		-9.50	-3.34e-03	-1.24e-03	0.0	51.1	-10.57	-1.15	-0.04	-4.45e-06	-3.34e-03	-8.44
124	214	2.34	3.23e-03	-8.22e-06	-6.40	0.0	8.51	4.74	0.04	2.78e-06	-0.02	1.39
		1.39	-0.02	3.83e-04	0.0	51.1	8.51	-1.66	0.04	2.78e-06	3.23e-03	2.24
124	215	-9.25	0.03	6.60e-05	-6.40	0.0	-7.12	7.26	-0.06	-3.77e-06	0.03	-11.27
		-11.27	-4.80e-03	-3.88e-04	0.0	51.1	-7.12	0.86	-0.06	-3.77e-06	-4.80e-03	-9.25
124	234	2.32	2.23e-03	2.55e-05	-6.40	0.0	14.06	6.90	0.02	4.19e-06	-0.01	0.45
		0.45	-0.01	1.45e-03	0.0	51.1	14.06	0.50	0.02	4.19e-06	2.23e-03	2.32
124	235	-9.27	0.02	4.53e-05	-6.40	0.0	-12.67	5.10	-0.04	-5.18e-06	0.02	-10.32
		-10.32	-3.80e-03	-1.46e-03	0.0	51.1	-12.67	-1.30	-0.04	-5.18e-06	-3.80e-03	-9.34
124	256	-4.39	6.65e-03	4.58e-05	-8.30	0.0	1.05	7.63	-0.02	0.0	6.65e-03	-6.18
		-6.18	-1.21e-03	-5.45e-06	0.0	51.1	1.05	-0.67	-0.02	0.0	-1.21e-03	-4.41
124	264	-3.96	6.83e-03	4.22e-05	-6.88	0.0	1.03	6.61	-0.02	0.0	6.83e-03	-5.58
		-5.58	-1.18e-03	-6.71e-06	0.0	51.1	1.03	-0.27	-0.02	0.0	-1.18e-03	-3.96
124	268	-4.57	5.40e-03	4.46e-05	-8.30	0.0	0.56	7.53	-0.01	0.0	5.40e-03	-6.31
		-6.31	-1.15e-03	-3.15e-06	0.0	51.1	0.56	-0.77	-0.01	0.0	-1.15e-03	-4.58
124	273	-2.92	2.72e-03	2.66e-05	-3.55	0.0	-0.11	3.80	-6.68e-03	0.0	2.72e-03	-3.96
		-3.96	-6.92e-04	-1.80e-06	0.0	51.1	-0.11	0.25	-6.68e-03	0.0	-6.92e-04	-2.92
124	280	-4.23	4.98e-03	4.40e-05	-8.30	0.0	1.08	7.60	-0.01	0.0	4.98e-03	-6.00
		-6.00	-9.49e-04	-2.84e-06	0.0	51.1	1.08	-0.70	-0.01	0.0	-9.49e-04	-4.24
124	285	-2.35	2.03e-03	2.56e-05	-3.55	0.0	0.75	3.92	-4.69e-03	0.0	2.03e-03	-3.45
		-3.45	-3.63e-04	-1.29e-06	0.0	51.1	0.75	0.37	-4.69e-03	0.0	-3.63e-04	-2.35
124	298	-3.66	4.21e-03	3.70e-05	-6.88	0.0	0.73	6.35	-9.88e-03	0.0	4.21e-03	-5.16
		-5.16	-8.35e-04	-2.42e-06	0.0	51.1	0.73	-0.52	-9.88e-03	0.0	-8.35e-04	-3.67
124	305	-3.52	4.44e-03	3.60e-05	-6.40	0.0	0.74	6.01	-0.01	0.0	4.44e-03	-4.96
		-4.96	-8.47e-04	-3.11e-06	0.0	51.1	0.74	-0.39	-0.01	0.0	-8.47e-04	-3.52
124	306	-2.62	2.35e-03	2.60e-05	-3.55	0.0	0.35	3.87	-5.62e-03	0.0	2.35e-03	-3.69
		-3.69	-5.16e-04	-1.53e-06	0.0	51.1	0.35	0.32	-5.62e-03	0.0	-5.16e-04	-2.62
124	308	-2.50	2.22e-03	2.58e-05	-3.55	0.0	0.52	3.89	-5.22e-03	0.0	2.22e-03	-3.59
		-3.59	-4.50e-04	-1.43e-06	0.0	51.1	0.52	0.34	-5.22e-03	0.0	-4.50e-04	-2.50
124	309	-2.54	2.26e-03	2.59e-05	-3.55	0.0	0.46	3.88	-5.36e-03	0.0	2.26e-03	-3.62
		-3.62	-4.72e-04	-1.46e-06	0.0	51.1	0.46	0.33	-5.36e-03	0.0	-4.72e-04	-2.54
124	310	-3.50	3.93e-03	3.54e-05	-6.40	0.0	0.69	6.00	-9.24e-03	0.0	3.93e-03	-4.94
		-4.94	-7.83e-04	-2.28e-06	0.0	51.1	0.69	-0.40	-9.24e-03	0.0	-7.83e-04	-3.51
125	28	-3.66	7.98e-03	1.81e-05	-12.06	0.0	0.80	11.23	0.02	0.0	-1.77e-03	-6.33
		-6.33	-1.77e-03	-8.26e-06	0.0	51.1	0.80	-0.83	0.02	0.0	7.98e-03	-3.68
125	43	-3.07	9.36e-03	1.60e-05	-9.92	0.0	0.73	9.43	0.02	0.0	-1.69e-03	-5.36
		-5.36	-1.69e-03	-9.97e-06	0.0	51.1	0.73	-0.49	0.02	0.0	9.36e-03	-3.07
125	52	-4.05	2.62e-03	1.54e-05	-12.06	0.0	0.54	10.96	8.43e-03	-1.14e-06	-1.68e-03	-6.59
		-6.59	-1.68e-03	-4.77e-06	0.0	51.1	0.54	-1.09	8.43e-03	-1.14e-06	2.62e-03	-4.07
125	69	-2.01	-7.49e-04	3.82e-06	-3.23	0.0	-0.05	3.34	-2.93e-03	0.0	-7.49e-04	-2.89
		-2.89	-2.25e-03	-1.94e-06	0.0	51.1	-0.05	0.10	-2.93e-03	0.0	-2.25e-03	-2.01
125	70	-2.18	-7.87e-04	4.94e-06	-3.23	0.0	-3.78e-03	3.61	-2.87e-03	0.0	-7.87e-04	-3.19
		-3.19	-2.26e-03	-2.12e-06	0.0	51.1	-3.78e-03	0.37	-2.87e-03	0.0	-2.26e-03	-2.18
125	93	-0.99	2.66e-03	7.76e-06	-3.23	0.0	0.38	3.65	5.71e-03	0.0	-2.55e-04	-2.03
		-2.03	-2.55e-04	-1.14e-06	0.0	51.1	0.38	0.41	5.71e-03	0.0	2.66e-03	-0.99
125	114	1.89	0.03	7.81e-06	-6.40	0.0	-0.24	5.50	0.06	1.65e-06	2.31e-03	0.50
		0.50	2.31e-03	-5.29e-05	0.0	51.1	-0.24	-0.90	0.06	1.65e-06	0.03	1.88
125	115	-5.97	-3.87e-03	1.11e-05	-6.40	0.0	1.00	6.61	-0.05	-2.65e-06	-3.87e-03	-7.51
		-7.51	-0.03	4.81e-05	0.0	51.1	1.00	0.21	-0.05	-2.65e-06	-0.03	-5.97
125	119	-6.52	-3.91e-03	1.03e-05	-6.40	0.0	0.62	6.36	-0.05	-3.01e-06	-3.91e-03	-7.94
		-7.94	-0.03	4.29e-05	0.0	51.1	0.62	-0.04	-0.05	-3.01e-06	-0.03	-6.53
125	137	-5.27	-1.45e-03	-3.03e-06	-6.40	0.0	-3.27	3.38	-6.27e-03	-2.97e-06	-1.45e-03	-5.77
		-5.77	-4.18e-03	-1.17e-06	0.0	51.1	-3.27	-3.02	-6.27e-03	-2.97e-06	-4.18e-03	-5.60
125	138	3.38	0.02	1.67e-05	-6.40	0.0	3.30	8.12	0.04	2.95e-06	1.49e-03	0.82
		0.82	1.49e-03	-2.83e-05	0.0	51.1	3.30	1.72	0.04	2.95e-06	0.02	3.38
125	140	1.50	8.86e-03	1.86e-05	-6.40	0.0	4.04	8.73	0.02	1.98e-06	-1.15e-04	-1.25
		-1.25	-1.15e-04	-3.61e-06	0.0	51.1	4.04	2.33	0.02	1.98e-06	8.86e-03	1.50
125	146	2.37	0.04	7.62e-06	-6.40	0.0	-0.31	5.44	0.07	1.92e-06	2.68e-03	0.99
		0.99	2.68e-03	-5.95e-05	0.0	51.1	-0.31	-0.96	0.07	1.92e-06	0.04	2.36
125	147	-6.46	-4.25e-03	1.13e-05	-6.40	0.0	1.07	6.67	-0.06	-2.91e-06	-4.25e-03	-8.01
		-8.01	-0.03	5.47e-05	0.0	51.1	1.07	0.27	-0.06	-2.91e-06	-0.03	-6.46
125	151	-7.08	-4.29e-03	1.03e-05	-6.40	0.0	0.64	6.40	-0.05	-3.32e-06	-4.29e-03	-8.49
		-8.49	-0.03	4.87e-05	0.0	51.1	0.64	-2.98e-03	-0.05	-3.32e-06	-0.03	-7.09
125	169	-5.66	-1.54e-03	-3.25e-06	-6.40	0.0	-3.75	3.03	-7.58e-03	-3.30e-06	-1.54e-03	-6.07
		-6.07	-4.88e-03	0.0	0.0	51.1	-3.75	-3.37	-7.58e-03	-3.30e-06	-4.88e-03	-6.07
125	170	4.08	0.03	1.76e-05	-6.40	0.0	3.69	8.39	0.05	3.40e-06	1.78e-03	1.38
		1.38	1.78e-03	-3.19e-05	0.0	51.1	3.69	1.99	0.05	3.40e-06	0.03	4.08
125	172	1.97	9.56e-03	1.98e-05	-6.40	0.0	4.51	9.08	0.02	2.30e-06	-2.37e-05	-0.94
		-0.94	-2.37e-05	-4.07e-06	0.0	51.1	4.51	2.68	0.02	2.30e-06	9.56e-03	1.97
125	178	2.30	0.04	7.71e-06	-6.40	0.0	-0.25	5.46	0.07	1.88e-06	2.61e-03	0.92
		0.92	2.61e-03	-6.12e-05	0.0	51.1	-0.25	-0.94	0.07	1.88e-06	0.04	2.29
125	179	-6.39	-4.18e-03	1.12e-05	-6.40	0.0	1.01	6.65	-0.05	-2.88e-06	-4.18e-03	-7.93
		-7.93	-0.03	5.64e-05	0.0	51.1	1.01	0.25	-0.05	-2.88e-06	-0.03	-6.39

125	201	-5.78	-1.58e-03	-3.25e-06	-6.40	0.0	-3.82	2.97	-5.92e-03	-3.39e-06	-1.58e-03	-6.18
		-6.21	-4.04e-03	1.25e-06	0.0	51.1	-3.82	-3.43	-5.92e-03	-3.39e-06	-4.04e-03	-6.21
125	202	4.17	0.02	1.79e-05	-6.40	0.0	3.79	8.46	0.05	3.46e-06	1.78e-03	1.43
		1.43	1.78e-03	-3.40e-05	0.0	51.1	3.79	2.06	0.05	3.46e-06	0.02	4.17
125	203	-7.94	-3.34e-03	1.07e-06	-6.40	0.0	-3.02	3.65	-0.03	-4.45e-06	-3.34e-03	-8.44
		-8.44	-0.02	2.93e-05	0.0	51.1	-3.02	-2.75	-0.03	-4.45e-06	-0.02	-8.27
125	204	2.11	8.73e-03	2.00e-05	-6.40	0.0	4.59	9.14	0.02	2.39e-06	1.49e-05	-0.84
		-0.84	1.49e-05	-6.03e-06	0.0	51.1	4.59	2.74	0.02	2.39e-06	8.73e-03	2.11
125	210	3.04	0.04	-7.59e-06	-6.40	0.0	-0.32	5.37	0.08	2.29e-06	3.18e-03	1.66
		1.66	3.18e-03	-7.26e-05	0.0	51.1	-0.32	-1.03	0.08	2.29e-06	0.04	3.03
125	211	-7.12	-4.75e-03	1.15e-05	-6.40	0.0	1.09	6.74	-0.06	-3.29e-06	-4.75e-03	-8.67
		-8.67	-0.04	6.79e-05	0.0	51.1	1.09	0.34	-0.06	-3.29e-06	-0.04	-7.12
125	233	-6.44	-1.75e-03	-3.83e-06	-6.40	0.0	-4.60	2.39	-8.14e-03	-3.95e-06	-1.75e-03	-6.70
		-7.01	-5.24e-03	3.02e-06	0.0	51.1	-4.60	-4.01	-8.14e-03	-3.95e-06	-5.24e-03	-7.01
125	234	5.31	0.03	1.95e-05	-6.40	0.0	4.44	8.92	0.05	4.19e-06	2.23e-03	2.32
		2.32	2.23e-03	-4.07e-05	0.0	51.1	4.44	2.52	0.05	4.19e-06	0.03	5.31
125	235	-8.96	-3.80e-03	0.0	-6.40	0.0	-3.67	3.19	-0.04	-5.18e-06	-3.80e-03	-9.34
		-9.41	-0.02	3.60e-05	0.0	51.1	-3.67	-3.21	-0.04	-5.18e-06	-0.02	-9.41
125	236	2.92	9.92e-03	2.20e-05	-6.40	0.0	5.37	9.73	0.02	2.95e-06	1.81e-04	-0.31
		-0.31	1.81e-04	-7.80e-06	0.0	51.1	5.37	3.33	0.02	2.95e-06	9.92e-03	2.92
125	256	-2.55	5.38e-03	1.26e-05	-8.30	0.0	0.56	7.77	0.01	0.0	-1.21e-03	-4.41
		-4.41	-1.21e-03	-5.63e-06	0.0	51.1	0.56	-0.53	0.01	0.0	5.38e-03	-2.56
125	263	-2.15	6.31e-03	1.12e-05	-6.88	0.0	0.51	6.57	0.01	0.0	-1.16e-03	-3.76
		-3.76	-1.16e-03	-6.77e-06	0.0	51.1	0.51	-0.30	0.01	0.0	6.31e-03	-2.16
125	268	-2.81	1.82e-03	1.08e-05	-8.30	0.0	0.38	7.60	5.80e-03	0.0	-1.15e-03	-4.58
		-4.58	-1.15e-03	-3.30e-06	0.0	51.1	0.38	-0.70	5.80e-03	0.0	1.82e-03	-2.82
125	273	-1.91	-6.92e-04	5.29e-06	-3.55	0.0	0.07	3.76	-6.48e-04	0.0	-6.92e-04	-2.92
		-2.92	-1.02e-03	-1.88e-06	0.0	51.1	0.07	0.21	-6.48e-04	0.0	-1.02e-03	-1.91
125	285	-1.24	2.25e-03	7.92e-06	-3.55	0.0	0.35	3.96	5.11e-03	0.0	-3.63e-04	-2.35
		-2.35	-3.63e-04	-1.35e-06	0.0	51.1	0.35	0.41	5.11e-03	0.0	2.25e-03	-1.24
125	298	-2.14	2.54e-03	9.87e-06	-6.88	0.0	0.40	6.42	6.60e-03	0.0	-8.35e-04	-3.67
		-3.67	-8.35e-04	-2.53e-06	0.0	51.1	0.40	-0.46	6.60e-03	0.0	2.54e-03	-2.15
125	305	-2.05	3.09e-03	9.73e-06	-6.40	0.0	0.40	6.09	7.72e-03	0.0	-8.47e-04	-3.52
		-3.52	-8.47e-04	-3.24e-06	0.0	51.1	0.40	-0.31	7.72e-03	0.0	3.09e-03	-2.05
125	306	-1.55	7.22e-04	6.69e-06	-3.55	0.0	0.22	3.87	2.42e-03	0.0	-5.16e-04	-2.62
		-2.62	-5.16e-04	-1.60e-06	0.0	51.1	0.22	0.32	2.42e-03	0.0	7.22e-04	-1.55
125	308	-1.42	1.38e-03	7.22e-06	-3.55	0.0	0.27	3.91	3.58e-03	0.0	-4.50e-04	-2.50
		-2.50	-4.50e-04	-1.49e-06	0.0	51.1	0.27	0.36	3.58e-03	0.0	1.38e-03	-1.42
125	309	-1.46	1.16e-03	7.04e-06	-3.55	0.0	0.26	3.89	3.19e-03	0.0	-4.72e-04	-2.54
		-2.54	-4.72e-04	-1.53e-06	0.0	51.1	0.26	0.34	3.19e-03	0.0	1.16e-03	-1.46
125	310	-2.04	2.34e-03	9.46e-06	-6.40	0.0	0.38	6.06	6.12e-03	0.0	-7.83e-04	-3.51
		-3.51	-7.83e-04	-2.39e-06	0.0	51.1	0.38	-0.34	6.12e-03	0.0	2.34e-03	-2.05
126	43	-1.20	9.36e-03	-9.47e-06	-9.92	0.0	0.36	8.53	-0.02	0.0	9.36e-03	-3.07
		-3.07	9.96e-04	-8.98e-06	0.0	51.1	0.36	-1.39	-0.02	0.0	9.96e-04	-1.25
126	52	-1.94	2.62e-03	-1.53e-05	-12.06	0.0	0.93	10.04	-4.08e-03	-1.14e-06	2.62e-03	-4.07
		-4.07	5.38e-04	-4.49e-06	0.0	51.1	0.93	-2.02	-4.08e-03	-1.14e-06	5.38e-04	-2.02
126	68	-2.06	4.29e-04	-1.44e-05	-9.92	0.0	1.20	8.47	-1.71e-03	-1.19e-06	4.29e-04	-3.90
		-3.90	-4.45e-04	-4.28e-06	0.0	51.1	1.20	-1.45	-1.71e-03	-1.19e-06	-4.45e-04	-2.11
126	70	-1.35	-1.43e-03	-7.69e-06	-3.23	0.0	0.99	3.24	1.61e-03	0.0	-2.26e-03	-2.18
		-2.18	-2.26e-03	-2.35e-06	0.0	51.1	0.99	3.58e-03	1.61e-03	0.0	-1.43e-03	-1.35
126	93	-0.20	2.66e-03	5.83e-06	-3.23	0.0	-0.36	3.16	-3.85e-03	0.0	2.66e-03	-0.99
		-0.99	6.95e-04	0.0	0.0	51.1	-0.36	-0.07	-3.85e-03	0.0	6.95e-04	-0.20
126	114	2.99	0.03	3.62e-05	-6.40	0.0	-2.56	4.97	-0.04	1.65e-06	0.03	1.88
		1.88	0.01	-4.76e-05	0.0	51.1	-2.56	-1.43	-0.04	1.65e-06	0.01	2.94
126	115	-4.69	-0.01	-3.37e-05	-6.40	0.0	2.94	5.99	0.04	-2.65e-06	-0.03	-5.97
		-5.97	-0.03	4.33e-05	0.0	51.1	2.94	-0.42	0.04	-2.65e-06	-0.01	-4.71
126	138	5.24	0.02	6.05e-05	-6.40	0.0	-4.23	6.76	-0.05	2.95e-06	0.02	3.38
		3.38	-0.01	-2.50e-05	0.0	51.1	-4.23	0.36	-0.05	2.95e-06	-0.01	5.24
126	139	-6.80	0.01	-5.80e-05	-6.40	0.0	4.61	4.20	0.05	-3.94e-06	-0.02	-7.48
		-7.48	-0.02	2.07e-05	0.0	51.1	4.61	-2.20	0.05	-3.94e-06	0.01	-7.01
126	146	3.46	0.04	4.05e-05	-6.40	0.0	-2.90	4.91	-0.05	1.92e-06	0.04	2.36
		2.36	0.01	-5.36e-05	0.0	51.1	-2.90	-1.49	-0.05	1.92e-06	0.01	3.41
126	147	-5.16	-0.01	-3.80e-05	-6.40	0.0	3.28	6.05	0.04	-2.91e-06	-0.03	-6.46
		-6.46	-0.03	4.93e-05	0.0	51.1	3.28	-0.35	0.04	-2.91e-06	-0.01	-5.18
126	170	6.03	0.03	6.82e-05	-6.40	0.0	-4.81	6.93	-0.06	3.40e-06	0.03	4.08
		4.08	-0.01	-2.82e-05	0.0	51.1	-4.81	0.53	-0.06	3.40e-06	-0.01	6.03
126	171	-7.56	0.01	-6.57e-05	-6.40	0.0	5.19	4.03	0.05	-4.39e-06	-0.02	-8.18
		-8.18	-0.02	2.39e-05	0.0	51.1	5.19	-2.37	0.05	-4.39e-06	0.01	-7.80
126	178	3.40	0.04	3.99e-05	-6.40	0.0	-2.87	4.93	-0.05	1.88e-06	0.04	2.29
		2.29	0.01	-5.53e-05	0.0	51.1	-2.87	-1.48	-0.05	1.88e-06	0.01	3.35
126	179	-5.10	-0.01	-3.74e-05	-6.40	0.0	3.25	6.03	0.04	-2.88e-06	-0.03	-6.39
		-6.39	-0.03	5.11e-05	0.0	51.1	3.25	-0.37	0.04	-2.88e-06	-0.01	-5.12
126	202	6.14	0.02	6.93e-05	-6.40	0.0	-4.89	6.97	-0.06	3.46e-06	0.02	4.17
		4.17	-0.01	-3.05e-05	0.0	51.1	-4.89	0.57	-0.06	3.46e-06	-0.01	6.14
126	203	-7.66	0.01	-6.68e-05	-6.40	0.0	5.27	3.98	0.05	-4.45e-06	-0.02	-8.27

		-8.27	-0.02	2.62e-05	0.0	51.1	5.27	-2.42	0.05	-4.45e-06	0.01	-7.91
126	210	4.12	0.04	4.65e-05	-6.40	0.0	-3.40	4.84	-0.06	2.29e-06	0.04	3.03
		3.03	0.02	-6.58e-05	0.0	51.1	-3.40	-1.56	-0.06	2.29e-06	0.02	4.07
126	211	-5.82	-0.01	-4.41e-05	-6.40	0.0	3.78	6.12	0.05	-3.29e-06	-0.04	-7.12
		-7.12	-0.04	6.15e-05	0.0	51.1	3.78	-0.28	0.05	-3.29e-06	-0.01	-5.84
126	234	7.44	0.03	8.19e-05	-6.40	0.0	-5.83	7.26	-0.07	4.19e-06	0.03	5.31
		5.31	-0.01	-3.67e-05	0.0	51.1	-5.83	0.86	-0.07	4.19e-06	-0.01	7.44
126	235	-8.89	0.02	-7.94e-05	-6.40	0.0	6.21	3.69	0.06	-5.18e-06	-0.02	-9.41
		-9.41	-0.02	3.24e-05	0.0	51.1	6.21	-2.71	0.06	-5.18e-06	0.02	-9.21
126	263	-0.85	6.31e-03	-6.55e-06	-6.88	0.0	0.25	5.94	-0.01	0.0	6.31e-03	-2.16
		-2.16	6.52e-04	-6.10e-06	0.0	51.1	0.25	-0.94	-0.01	0.0	6.52e-04	-0.88
126	268	-1.34	1.82e-03	-1.04e-05	-8.30	0.0	0.63	6.95	-2.88e-03	0.0	1.82e-03	-2.82
		-2.82	3.47e-04	-3.11e-06	0.0	51.1	0.63	-1.35	-2.88e-03	0.0	3.47e-04	-1.39
126	274	-1.14	-9.46e-04	-5.90e-06	-3.55	0.0	0.68	3.50	1.61e-04	0.0	-1.03e-03	-2.02
		-2.02	-1.03e-03	-2.11e-06	0.0	51.1	0.68	-0.05	1.61e-04	0.0	-9.46e-04	-1.14
126	276	-1.42	3.52e-04	-9.83e-06	-6.88	0.0	0.81	5.90	-1.29e-03	0.0	3.52e-04	-2.71
		-2.71	-3.09e-04	-2.97e-06	0.0	51.1	0.81	-0.98	-1.29e-03	0.0	-3.09e-04	-1.45
126	285	-0.38	2.25e-03	4.42e-06	-3.55	0.0	-0.21	3.45	-3.48e-03	0.0	2.25e-03	-1.24
		-1.24	4.73e-04	-1.12e-06	0.0	51.1	-0.21	-0.10	-3.48e-03	0.0	4.73e-04	-0.38
126	298	-0.89	2.54e-03	-7.29e-06	-6.88	0.0	0.21	5.82	-3.73e-03	0.0	2.54e-03	-2.15
		-2.15	6.32e-04	-2.27e-06	0.0	51.1	0.21	-1.06	-3.73e-03	0.0	6.32e-04	-0.93
126	305	-0.84	3.09e-03	-6.54e-06	-6.40	0.0	0.20	5.50	-4.99e-03	0.0	3.09e-03	-2.05
		-2.05	5.45e-04	-2.91e-06	0.0	51.1	0.20	-0.90	-4.99e-03	0.0	5.45e-04	-0.87
126	306	-0.71	7.22e-04	-3.66e-06	-3.55	0.0	0.20	3.41	-1.80e-03	0.0	7.22e-04	-1.55
		-1.55	-1.97e-04	-1.52e-06	0.0	51.1	0.20	-0.14	-1.80e-03	0.0	-1.97e-04	-0.71
126	307	-0.95	1.91e-03	-7.21e-06	-6.40	0.0	0.31	5.47	-3.04e-03	0.0	1.91e-03	-2.14
		-2.14	3.50e-04	-2.26e-06	0.0	51.1	0.31	-0.93	-3.04e-03	0.0	3.50e-04	-0.98
126	308	-0.57	1.38e-03	-2.93e-06	-3.55	0.0	0.02	3.43	-2.52e-03	0.0	1.38e-03	-1.42
		-1.42	9.03e-05	-1.35e-06	0.0	51.1	0.02	-0.12	-2.52e-03	0.0	9.03e-05	-0.57
126	309	-0.62	1.16e-03	-3.16e-06	-3.55	0.0	0.08	3.42	-2.28e-03	0.0	1.16e-03	-1.46
		-1.46	-5.35e-06	-1.41e-06	0.0	51.1	0.08	-0.12	-2.28e-03	0.0	-5.35e-06	-0.62
126	310	-0.85	2.34e-03	-6.70e-06	-6.40	0.0	0.19	5.48	-3.52e-03	0.0	2.34e-03	-2.05
		-2.05	5.41e-04	-2.14e-06	0.0	51.1	0.19	-0.92	-3.52e-03	0.0	5.41e-04	-0.88
127	68	0.39	0.0	-3.55e-05	-13.80	0.0	0.04	9.87	6.26e-04	0.0	-4.45e-04	-2.11
		-2.11	-4.45e-04	-6.03e-06	0.0	71.1	0.04	-3.93	6.26e-04	0.0	0.0	0.0
127	69	0.01	0.0	-2.87e-05	-4.50	0.0	-0.05	4.05	2.05e-03	0.0	-1.46e-03	-1.28
		-1.28	-1.46e-03	-3.22e-06	0.0	71.1	-0.05	-0.45	2.05e-03	0.0	0.0	0.0
127	75	0.91	1.81e-03	2.89e-05	-16.78	0.0	0.20	10.23	-2.54e-03	0.0	1.81e-03	-1.31
		-1.31	0.0	-4.66e-06	0.0	71.1	0.20	-6.55	-2.54e-03	0.0	0.0	0.0
127	76	0.88	1.83e-03	3.02e-05	-16.78	0.0	0.21	10.32	-2.57e-03	0.0	1.83e-03	-1.38
		-1.38	0.0	-4.91e-06	0.0	71.1	0.21	-6.45	-2.57e-03	0.0	0.0	0.0
127	137	0.0	0.02	-2.10e-04	-8.91	0.0	-0.82	11.88	-0.03	0.0	0.02	-5.28
		-5.28	0.0	-7.52e-06	0.0	71.1	-0.82	2.97	-0.03	0.0	0.0	0.0
127	138	5.24	0.0	3.02e-04	-8.91	0.0	1.28	-2.92	0.01	0.0	-0.01	5.24
		0.0	-0.01	-2.90e-05	0.0	71.1	1.28	-11.82	0.01	0.0	0.0	0.0
127	139	0.0	0.01	-2.81e-04	-8.91	0.0	-1.09	14.31	-0.02	0.0	0.01	-7.01
		-7.01	0.0	2.32e-05	0.0	71.1	-1.09	5.41	-0.02	0.0	0.0	0.0
127	140	3.51	0.0	2.32e-04	-8.91	0.0	1.01	-0.48	0.03	0.0	-0.02	3.51
		0.0	-0.02	1.69e-06	0.0	71.1	1.01	-9.39	0.03	0.0	0.0	0.0
127	169	0.0	0.02	-2.40e-04	-8.91	0.0	-0.94	12.70	-0.03	0.0	0.02	-5.86
		-5.86	0.0	-7.69e-06	0.0	71.1	-0.94	3.79	-0.03	0.0	0.0	0.0
127	170	6.03	0.0	3.40e-04	-8.91	0.0	1.44	-4.03	0.02	0.0	-0.01	6.03
		0.0	-0.01	-3.28e-05	0.0	71.1	1.44	-12.94	0.02	0.0	0.0	0.0
127	171	0.0	0.01	-3.18e-04	-8.91	0.0	-1.24	15.43	-0.02	0.0	0.01	-7.80
		-7.80	0.0	2.69e-05	0.0	71.1	-1.24	6.52	-0.02	0.0	0.0	0.0
127	172	4.09	0.0	2.61e-04	-8.91	0.0	1.14	-1.31	0.03	0.0	-0.02	4.09
		0.0	-0.02	1.86e-06	0.0	71.1	1.14	-10.21	0.03	0.0	0.0	0.0
127	201	0.0	0.02	-2.47e-04	-8.91	0.0	-0.98	12.93	-0.03	0.0	0.02	-6.02
		-6.02	0.0	-4.83e-06	0.0	71.1	-0.98	4.02	-0.03	0.0	0.0	0.0
127	202	6.14	0.0	3.46e-04	-8.91	0.0	1.46	-4.19	0.02	0.0	-0.01	6.14
		0.0	-0.01	-3.60e-05	0.0	71.1	1.46	-13.09	0.02	0.0	0.0	0.0
127	203	0.0	0.01	-3.24e-04	-8.91	0.0	-1.27	15.58	-0.02	0.0	0.01	-7.91
		-7.91	0.0	3.01e-05	0.0	71.1	-1.27	6.68	-0.02	0.0	0.0	0.0
127	204	4.26	0.0	2.69e-04	-8.91	0.0	1.17	-1.53	0.03	0.0	-0.02	4.26
		0.0	-0.02	-1.00e-06	0.0	71.1	1.17	-10.44	0.03	0.0	0.0	0.0
127	233	0.0	0.03	-2.97e-04	-8.91	0.0	-1.18	14.32	-0.04	0.0	0.03	-7.02
		-7.02	0.0	-3.60e-06	0.0	71.1	-1.18	5.42	-0.04	0.0	0.0	0.0
127	234	7.44	0.0	4.08e-04	-8.91	0.0	1.71	-6.01	0.02	0.0	-0.01	7.44
		0.0	-0.01	-4.34e-05	0.0	71.1	1.71	-14.92	0.02	0.0	0.0	0.0
127	235	0.0	0.02	-3.86e-04	-8.91	0.0	-1.52	17.41	-0.02	0.0	0.02	-9.21
		-9.21	0.0	3.76e-05	0.0	71.1	-1.52	8.50	-0.02	0.0	0.0	0.0
127	236	5.25	0.0	3.19e-04	-8.91	0.0	1.37	-2.93	0.04	0.0	-0.03	5.25
		0.0	-0.03	-2.23e-06	0.0	71.1	1.37	-11.83	0.04	0.0	0.0	0.0
127	273	0.06	0.0	-1.85e-05	-4.94	0.0	-9.96e-03	4.01	1.35e-03	0.0	-9.62e-04	-1.10
		-1.10	-9.62e-04	-2.90e-06	0.0	71.1	-9.96e-03	-0.93	1.35e-03	0.0	0.0	0.0

127	276	0.28	0.0	-2.40e-05	-9.57	0.0	0.03	6.83	4.35e-04	0.0	-3.09e-04	-1.45
		-1.45	-3.09e-04	-4.18e-06	0.0	71.1	0.03	-2.74	4.35e-04	0.0	0.0	0.0
127	279	0.62	1.19e-03	1.99e-05	-11.55	0.0	0.14	7.07	-1.68e-03	0.0	1.19e-03	-0.92
		-0.92	0.0	-3.26e-06	0.0	71.1	0.14	-4.48	-1.68e-03	0.0	0.0	0.0
127	280	0.60	1.21e-03	2.08e-05	-11.55	0.0	0.14	7.13	-1.70e-03	0.0	1.21e-03	-0.96
		-0.96	0.0	-3.43e-06	0.0	71.1	0.14	-4.42	-1.70e-03	0.0	0.0	0.0
127	298	0.45	6.32e-04	-1.27e-05	-9.57	0.0	0.10	6.09	-8.89e-04	0.0	6.32e-04	-0.93
		-0.93	0.0	-3.07e-06	0.0	71.1	0.10	-3.48	-8.89e-04	0.0	0.0	0.0
127	306	0.15	0.0	-7.34e-06	-4.94	0.0	0.05	3.47	2.77e-04	0.0	-1.97e-04	-0.71
		-0.71	-1.97e-04	-2.15e-06	0.0	71.1	0.05	-1.47	2.77e-04	0.0	0.0	0.0
127	307	0.37	3.50e-04	-1.37e-05	-8.91	0.0	0.08	5.83	-4.92e-04	0.0	3.50e-04	-0.98
		-0.98	0.0	-3.10e-06	0.0	71.1	0.08	-3.07	-4.92e-04	0.0	0.0	0.0
127	309	0.18	0.0	8.37e-06	-4.94	0.0	0.06	3.34	7.53e-06	0.0	-5.35e-06	-0.62
		-0.62	-5.35e-06	-1.96e-06	0.0	71.1	0.06	-1.60	7.53e-06	0.0	0.0	0.0
127	310	0.41	5.41e-04	-1.16e-05	-8.91	0.0	0.10	5.70	-7.61e-04	0.0	5.41e-04	-0.88
		-0.88	0.0	-2.91e-06	0.0	71.1	0.10	-3.21	-7.61e-04	0.0	0.0	0.0
128	4	-3.25	-1.50e-03	-6.06e-05	-16.37	0.0	-0.04	5.50	-8.44e-04	-1.96e-03	-1.50e-03	-3.75
		-5.21	-1.78e-03	0.0	0.0	54.4	-0.04	-10.87	-8.44e-04	-1.96e-03	-1.78e-03	-5.21
128	19	-1.23	-8.50e-04	-2.27e-05	-5.33	0.0	0.10	1.67	-2.71e-04	-1.52e-04	-8.50e-04	-1.37
		-1.91	-9.81e-04	2.71e-06	0.0	54.4	0.10	-3.66	-2.71e-04	-1.52e-04	-9.81e-04	-1.91
128	28	-3.50	-9.82e-04	-5.94e-05	-16.37	0.0	-0.19	5.55	-1.21e-03	-2.80e-03	-9.82e-04	-4.01
		-5.44	-1.40e-03	-6.70e-06	0.0	54.4	-0.19	-10.82	-1.21e-03	-2.80e-03	-1.40e-03	-5.44
128	45	-1.64	1.09e-05	-2.06e-05	-5.33	0.0	-0.16	1.76	-8.80e-04	-1.55e-03	1.09e-05	-1.80
		-2.29	-3.40e-04	-7.65e-06	0.0	54.4	-0.16	-3.56	-8.80e-04	-1.55e-03	-3.40e-04	-2.29
128	65	-1.95	-4.01e-04	-4.11e-05	-8.79	0.0	0.66	2.68	-8.67e-04	-1.23e-03	-4.01e-04	-2.17
		-3.10	-7.66e-04	-1.54e-06	0.0	54.4	0.66	-6.11	-8.67e-04	-1.23e-03	-7.66e-04	-3.10
128	96	-2.37	-1.15e-03	-3.77e-05	-10.64	0.0	-0.41	3.59	-5.81e-04	-1.41e-03	-1.15e-03	-2.70
		-3.63	-1.35e-03	-1.58e-06	0.0	54.4	-0.41	-7.04	-5.81e-04	-1.41e-03	-1.35e-03	-3.63
128	113	0.27	-6.29e-03	-3.23e-05	-9.17	0.0	-0.68	2.11	4.02e-03	3.95e-03	-8.90e-03	0.05
		-0.96	-8.90e-03	-6.44e-05	0.0	54.4	-0.68	-7.06	4.02e-03	3.95e-03	-6.29e-03	-0.96
128	114	5.06e-03	-7.40e-03	-2.04e-05	-9.17	0.0	-0.98	2.88	6.09e-03	0.01	-9.68e-03	-0.53
		-0.70	-9.68e-03	-2.12e-05	0.0	54.4	-0.98	-6.29	6.09e-03	0.01	-7.40e-03	-0.70
128	115	-3.77	8.12e-03	-5.31e-05	-9.17	0.0	0.96	3.32	-7.31e-03	-0.02	8.12e-03	-3.88
		-5.33	5.38e-03	1.86e-05	0.0	54.4	0.96	-5.85	-7.31e-03	-0.02	5.38e-03	-5.33
128	118	8.58e-03	-7.19e-03	-1.90e-05	-9.17	0.0	-1.07	3.06	5.45e-03	0.01	-9.64e-03	-0.50
		-0.74	-9.64e-03	-3.46e-05	0.0	54.4	-1.07	-6.11	5.45e-03	0.01	-7.19e-03	-0.74
128	119	-3.79	8.07e-03	-5.54e-05	-9.17	0.0	1.05	3.14	-6.67e-03	-0.01	8.07e-03	-3.91
		-5.29	5.16e-03	3.19e-05	0.0	54.4	1.05	-6.03	-6.67e-03	-0.01	5.16e-03	-5.29
128	145	0.54	-6.93e-03	-3.23e-05	-9.17	0.0	-0.76	1.99	4.55e-03	4.45e-03	-9.88e-03	0.33
		-0.71	-9.88e-03	-7.25e-05	0.0	54.4	-0.76	-7.18	4.55e-03	4.45e-03	-6.93e-03	-0.71
128	146	0.25	-8.19e-03	-1.92e-05	-9.17	0.0	-1.09	2.86	6.88e-03	0.02	-0.01	-0.33
		-0.42	-0.01	-2.36e-05	0.0	54.4	-1.09	-6.31	6.88e-03	0.02	-8.19e-03	-0.42
128	147	-3.99	9.19e-03	-5.56e-05	-9.17	0.0	1.07	3.34	-8.10e-03	-0.02	9.19e-03	-4.09
		-5.61	6.16e-03	2.09e-05	0.0	54.4	1.07	-5.83	-8.10e-03	-0.02	6.16e-03	-5.61
128	150	0.25	-7.94e-03	-1.76e-05	-9.17	0.0	-1.19	3.06	6.15e-03	0.01	-0.01	-0.29
		-0.46	-0.01	-3.87e-05	0.0	54.4	-1.19	-6.11	6.15e-03	0.01	-7.94e-03	-0.46
128	151	-4.01	9.14e-03	-5.82e-05	-9.17	0.0	1.17	3.14	-7.38e-03	-0.02	9.14e-03	-4.12
		-5.57	5.91e-03	3.61e-05	0.0	54.4	1.17	-6.03	-7.38e-03	-0.02	5.91e-03	-5.57
128	177	0.52	-6.77e-03	-3.27e-05	-9.17	0.0	-0.66	1.99	4.13e-03	3.45e-03	-9.58e-03	0.31
		-0.75	-9.58e-03	-7.37e-05	0.0	54.4	-0.66	-7.18	4.13e-03	3.45e-03	-6.77e-03	-0.75
128	178	0.21	-8.04e-03	-1.94e-05	-9.17	0.0	-0.98	2.89	6.49e-03	0.01	-0.01	-0.37
		-0.46	-0.01	-2.26e-05	0.0	54.4	-0.98	-6.28	6.49e-03	0.01	-8.04e-03	-0.46
128	179	-3.95	8.87e-03	-5.51e-05	-9.17	0.0	0.96	3.31	-7.72e-03	-0.02	8.87e-03	-4.05
		-5.57	6.01e-03	1.99e-05	0.0	54.4	0.96	-5.86	-7.72e-03	-0.02	6.01e-03	-5.57
128	202	-1.59	-4.19e-03	1.09e-05	-9.17	0.0	-1.09	5.08	2.55e-03	0.01	-4.81e-03	-2.56
		-2.56	-4.81e-03	1.67e-05	0.0	54.4	-1.09	-4.09	2.55e-03	0.01	-4.19e-03	-1.93
128	203	-1.85	3.24e-03	-7.77e-05	-9.17	0.0	1.07	1.13	-3.78e-03	-0.01	3.24e-03	-1.85
		-4.10	2.16e-03	-1.93e-05	0.0	54.4	1.07	-8.04	-3.78e-03	-0.01	2.16e-03	-4.10
128	209	0.94	-7.71e-03	-3.29e-05	-9.17	0.0	-0.76	1.78	4.84e-03	3.93e-03	-0.01	0.75
		-0.38	-0.01	-8.74e-05	0.0	54.4	-0.76	-7.39	4.84e-03	3.93e-03	-7.71e-03	-0.38
128	210	0.57	-9.23e-03	-1.76e-05	-9.17	0.0	-1.14	2.87	7.66e-03	0.02	-0.01	-0.07
		-0.07	-0.01	-2.54e-05	0.0	54.4	-1.14	-6.30	7.66e-03	0.02	-9.23e-03	-0.03
128	211	-4.28	0.01	-5.88e-05	-9.17	0.0	1.12	3.33	-8.89e-03	-0.02	0.01	-4.35
		-6.00	7.20e-03	2.28e-05	0.0	54.4	1.12	-5.84	-8.89e-03	-0.02	7.20e-03	-6.00
128	234	-1.50	-4.74e-03	1.90e-05	-9.17	0.0	-1.27	5.45	3.05e-03	0.01	-5.48e-03	-2.65
		-2.65	-5.48e-03	2.05e-05	0.0	54.4	-1.27	-3.72	3.05e-03	0.01	-4.74e-03	-1.76
128	235	-1.77	3.91e-03	-8.58e-05	-9.17	0.0	1.25	0.75	-4.27e-03	-0.02	3.91e-03	-1.77
		-4.27	2.71e-03	-2.31e-05	0.0	54.4	1.25	-8.42	-4.27e-03	-0.02	2.71e-03	-4.27
128	244	-2.28	-1.07e-03	-4.20e-05	-11.19	0.0	-0.03	3.73	-6.08e-04	-1.36e-03	-1.07e-03	-2.62
		-3.64	-1.28e-03	0.0	0.0	54.4	-0.03	-7.46	-6.08e-04	-1.36e-03	-1.28e-03	-3.64
128	248	-1.39	-7.68e-04	-2.48e-05	-6.14	0.0	0.09	1.98	-3.73e-04	-3.66e-04	-7.68e-04	-1.57
		-2.16	-9.36e-04	1.49e-06	0.0	54.4	0.09	-4.15	-3.73e-04	-3.66e-04	-9.36e-04	-2.16
128	256	-2.45	-7.23e-04	-4.12e-05	-11.19	0.0	-0.14	3.77	-8.52e-04	-1.92e-03	-7.23e-04	-2.79
		-3.79	-1.02e-03	-4.52e-06	0.0	54.4	-0.14	-7.43	-8.52e-04	-1.92e-03	-1.02e-03	-3.79
128	261	-1.67	-1.94e-04	-2.35e-05	-6.14	0.0	-0.08	2.05	-7.79e-04	-1.30e-03	-1.94e-04	-1.85

		-2.41	-5.09e-04	-5.42e-06	0.0	54.4	-0.08	-4.09	-7.79e-04	-1.30e-03	-5.09e-04	-2.41
128	273	-1.42	-3.36e-04	-2.91e-05	-6.14	0.0	0.43	1.85	-6.23e-04	-8.68e-04	-3.36e-04	-1.57
		-2.23	-5.98e-04	-1.09e-06	0.0	54.4	0.43	-4.29	-6.23e-04	-8.68e-04	-5.98e-04	-2.23
128	288	-2.15	-9.69e-04	-3.49e-05	-9.68	0.0	-0.24	3.27	-5.80e-04	-1.20e-03	-9.69e-04	-2.45
		-3.30	-1.18e-03	-1.37e-06	0.0	54.4	-0.24	-6.41	-5.80e-04	-1.20e-03	-1.18e-03	-3.30
128	298	-2.00	-8.18e-04	-3.53e-05	-9.68	0.0	-0.02	3.28	-6.30e-04	-1.26e-03	-8.18e-04	-2.30
		-3.14	-1.05e-03	-1.41e-06	0.0	54.4	-0.02	-6.39	-6.30e-04	-1.26e-03	-1.05e-03	-3.14
128	302	-1.46	-6.15e-04	-2.45e-05	-6.14	0.0	0.04	2.00	-4.81e-04	-6.16e-04	-6.15e-04	-1.64
		-2.22	-8.22e-04	0.0	0.0	54.4	0.04	-4.14	-4.81e-04	-6.16e-04	-8.22e-04	-2.22
128	304	-1.52	-5.00e-04	-2.42e-05	-6.14	0.0	0.01	2.01	-5.63e-04	-8.03e-04	-5.00e-04	-1.70
		-2.27	-7.37e-04	-1.73e-06	0.0	54.4	0.01	-4.12	-5.63e-04	-8.03e-04	-7.37e-04	-2.27
128	305	-1.96	-7.07e-04	-3.36e-05	-9.17	0.0	-0.03	3.11	-6.66e-04	-1.30e-03	-7.07e-04	-2.25
		-3.05	-9.57e-04	-2.25e-06	0.0	54.4	-0.03	-6.06	-6.66e-04	-1.30e-03	-9.57e-04	-3.05
128	306	-1.47	-5.28e-04	-2.53e-05	-6.14	0.0	0.11	1.97	-5.31e-04	-7.16e-04	-5.28e-04	-1.64
		-2.24	-7.55e-04	0.0	0.0	54.4	0.11	-4.16	-5.31e-04	-7.16e-04	-7.55e-04	-2.24
128	309	-1.48	-5.76e-04	-2.44e-05	-6.14	0.0	0.03	2.00	-5.08e-04	-6.78e-04	-5.76e-04	-1.66
		-2.24	-7.94e-04	0.0	0.0	54.4	0.03	-4.13	-5.08e-04	-6.78e-04	-7.94e-04	-2.24
128	310	-1.92	-7.84e-04	-3.37e-05	-9.17	0.0	-0.01	3.10	-6.12e-04	-1.17e-03	-7.84e-04	-2.21
		-3.01	-1.01e-03	-1.32e-06	0.0	54.4	-0.01	-6.07	-6.12e-04	-1.17e-03	-1.01e-03	-3.01
129	4	-1.81	-7.37e-04	-4.79e-05	-16.37	0.0	0.17	5.57	-2.07e-03	-2.36e-03	-7.37e-04	-2.33
		-3.75	-1.61e-03	0.0	0.0	54.4	0.17	-10.80	-2.07e-03	-2.36e-03	-1.61e-03	-3.75
129	28	-2.11	4.79e-04	-4.55e-05	-16.37	0.0	0.06	5.67	-3.77e-03	-4.22e-03	4.79e-04	-2.64
		-4.01	-1.15e-03	-6.63e-06	0.0	54.4	0.06	-10.70	-3.77e-03	-4.22e-03	-1.15e-03	-4.01
129	41	-1.57	1.50e-03	-2.29e-05	-8.79	0.0	0.06	3.04	-3.90e-03	-3.35e-03	1.50e-03	-1.86
		-2.59	-3.01e-04	-8.04e-06	0.0	54.4	0.06	-5.75	-3.90e-03	-3.35e-03	-3.01e-04	-2.59
129	65	-1.00	7.88e-04	-3.18e-05	-8.79	0.0	0.72	2.64	-2.63e-03	-1.59e-03	7.88e-04	-1.21
		-2.17	-4.73e-04	-1.51e-06	0.0	54.4	0.72	-6.15	-2.63e-03	-1.59e-03	-4.73e-04	-2.17
129	69	-0.60	6.84e-04	-2.26e-05	-5.33	0.0	0.63	1.42	-1.95e-03	-1.14e-03	6.84e-04	-0.70
		-1.37	-2.55e-04	-1.14e-06	0.0	54.4	0.63	-3.90	-1.95e-03	-1.14e-03	-2.55e-04	-1.37
129	96	-1.47	-6.28e-04	-2.86e-05	-10.64	0.0	-0.22	3.70	-1.48e-03	-1.90e-03	-6.28e-04	-1.82
		-2.70	-1.23e-03	-1.48e-06	0.0	54.4	-0.22	-6.94	-1.48e-03	-1.90e-03	-1.23e-03	-2.70
129	114	0.41	-7.76e-03	-2.45e-05	-9.17	0.0	-0.75	3.08	0.02	0.03	-0.02	0.03
		-0.53	-0.02	-2.03e-05	0.0	54.4	-0.75	-6.09	0.02	0.03	-7.76e-03	-0.53
129	115	-2.66	0.02	-2.82e-05	-9.17	0.0	0.97	3.19	-0.02	-0.03	0.02	-2.88
		-3.88	6.06e-03	1.77e-05	0.0	54.4	0.97	-5.98	-0.02	-0.03	6.06e-03	-3.88
129	116	-3.57	0.02	-1.58e-05	-9.17	0.0	0.72	4.17	-0.02	-0.02	0.02	-3.97
		-4.46	4.89e-03	6.16e-05	0.0	54.4	0.72	-5.00	-0.02	-0.02	4.89e-03	-4.46
129	118	0.37	-7.64e-03	-2.25e-05	-9.17	0.0	-0.83	3.28	0.02	0.03	-0.02	-0.05
		-0.50	-0.02	-3.38e-05	0.0	54.4	-0.83	-5.89	0.02	0.03	-7.64e-03	-0.50
129	119	-2.61	0.02	-3.08e-05	-9.17	0.0	1.05	2.99	-0.02	-0.03	0.02	-2.79
		-3.91	5.94e-03	3.12e-05	0.0	54.4	1.05	-6.18	-0.02	-0.03	5.94e-03	-3.91
129	125	1.66	-4.68e-03	-4.81e-05	-9.17	0.0	-0.20	1.67	0.02	0.03	-0.01	1.57
		-3.14e-03	-0.01	1.71e-05	0.0	54.4	-0.20	-7.50	0.02	0.03	-4.68e-03	-3.14e-03
129	146	0.59	-8.60e-03	-2.43e-05	-9.17	0.0	-0.85	3.08	0.02	0.03	-0.02	0.21
		-0.33	-0.02	-2.25e-05	0.0	54.4	-0.85	-6.09	0.02	0.03	-8.60e-03	-0.33
129	147	-2.84	0.02	-2.85e-05	-9.17	0.0	1.07	3.19	-0.03	-0.03	0.02	-3.05
		-4.09	6.90e-03	2.00e-05	0.0	54.4	1.07	-5.97	-0.03	-0.03	6.90e-03	-4.09
129	150	0.55	-8.46e-03	-2.21e-05	-9.17	0.0	-0.94	3.31	0.02	0.03	-0.02	0.12
		-0.29	-0.02	-3.78e-05	0.0	54.4	-0.94	-5.86	0.02	0.03	-8.46e-03	-0.29
129	151	-2.78	0.02	-3.15e-05	-9.17	0.0	1.16	2.97	-0.03	-0.03	0.02	-2.96
		-4.12	6.76e-03	3.53e-05	0.0	54.4	1.16	-6.20	-0.03	-0.03	6.76e-03	-4.12
129	157	2.01	-5.14e-03	-5.11e-05	-9.17	0.0	-0.24	1.48	0.02	0.03	-0.02	1.95
		0.27	-0.02	1.93e-05	0.0	54.4	-0.24	-7.69	0.02	0.03	-5.14e-03	0.27
129	160	-4.12	0.01	-6.17e-06	-9.17	0.0	0.46	4.79	-0.02	-0.03	0.01	-4.79
		-4.79	3.43e-03	-2.18e-05	0.0	54.4	0.46	-4.38	-0.02	-0.03	3.43e-03	-4.69
129	178	0.55	-8.37e-03	-2.43e-05	-9.17	0.0	-0.75	3.10	0.02	0.03	-0.02	0.17
		-0.37	-0.02	-2.15e-05	0.0	54.4	-0.75	-6.07	0.02	0.03	-8.37e-03	-0.37
129	179	-2.80	0.02	-2.86e-05	-9.17	0.0	0.97	3.18	-0.02	-0.03	0.02	-3.01
		-4.05	6.67e-03	1.90e-05	0.0	54.4	0.97	-5.99	-0.02	-0.03	6.67e-03	-4.05
129	189	1.99	-4.91e-03	-5.13e-05	-9.17	0.0	-0.20	1.47	0.02	0.03	-0.01	1.93
		0.25	-0.01	1.86e-05	0.0	54.4	-0.20	-7.70	0.02	0.03	-4.91e-03	0.25
129	192	-4.09	0.01	-6.13e-06	-9.17	0.0	0.42	4.80	-0.02	-0.03	0.01	-4.77
		-4.77	3.21e-03	-2.11e-05	0.0	54.4	0.42	-4.37	-0.02	-0.03	3.21e-03	-4.66
129	202	-2.21	-4.65e-03	1.65e-05	-9.17	0.0	-0.83	5.63	7.69e-03	0.01	-8.64e-03	-3.19
		-3.19	-8.64e-03	1.75e-05	0.0	54.4	-0.83	-3.54	7.69e-03	0.01	-4.65e-03	-2.56
129	203	0.36	8.45e-03	-6.33e-05	-9.17	0.0	1.06	0.65	-0.01	-0.02	8.45e-03	0.35
		-1.85	2.95e-03	-2.01e-05	0.0	54.4	1.06	-8.52	-0.01	-0.02	2.95e-03	-1.85
129	210	0.82	-9.64e-03	-2.39e-05	-9.17	0.0	-0.88	3.10	0.03	0.03	-0.02	0.43
		-0.07	-0.02	-2.42e-05	0.0	54.4	-0.88	-6.07	0.03	0.03	-9.64e-03	-0.07
129	211	-3.07	0.02	-2.92e-05	-9.17	0.0	1.11	3.17	-0.03	-0.04	0.02	-3.27
		-4.35	7.93e-03	2.17e-05	0.0	54.4	1.11	-6.00	-0.03	-0.04	7.93e-03	-4.35
129	221	2.54	-5.54e-03	-5.60e-05	-9.17	0.0	-0.24	1.18	0.02	0.04	-0.02	2.50
		0.66	-0.02	2.14e-05	0.0	54.4	-0.24	-7.99	0.02	0.04	-5.54e-03	0.66
129	224	-4.57	0.02	9.24e-06	-9.17	0.0	0.46	5.09	-0.02	-0.04	0.02	-5.34
		-5.34	3.83e-03	-2.40e-05	0.0	54.4	0.46	-4.08	-0.02	-0.04	3.83e-03	-5.07

129	234	-2.39	-5.32e-03	2.40e-05	-9.17	0.0	-1.00	6.10	9.24e-03	0.02	-0.01	-3.54
		-3.54	-0.01	2.14e-05	0.0	54.4	-1.00	-3.07	9.24e-03	0.02	-5.32e-03	-2.65
129	235	0.70	9.91e-03	-7.08e-05	-9.17	0.0	1.22	0.17	-0.01	-0.02	9.91e-03	0.70
		-1.77	3.62e-03	-2.40e-05	0.0	54.4	1.22	-9.00	-0.01	-0.02	3.62e-03	-1.77
129	244	-1.29	-5.08e-04	-3.29e-05	-11.19	0.0	0.11	3.78	-1.49e-03	-1.64e-03	-5.08e-04	-1.63
		-2.62	-1.15e-03	0.0	0.0	54.4	0.11	-7.41	-1.49e-03	-1.64e-03	-1.15e-03	-2.62
129	256	-1.49	3.04e-04	-3.13e-05	-11.19	0.0	0.04	3.84	-2.62e-03	-2.88e-03	3.04e-04	-1.84
		-2.79	-8.35e-04	-4.47e-06	0.0	54.4	0.04	-7.35	-2.62e-03	-2.88e-03	-8.35e-04	-2.79
129	261	-1.13	9.81e-04	-1.63e-05	-6.14	0.0	0.04	2.09	-2.72e-03	-2.30e-03	9.81e-04	-1.32
		-1.85	-2.72e-04	-5.41e-06	0.0	54.4	0.04	-4.05	-2.72e-03	-2.30e-03	-2.72e-04	-1.85
129	273	-0.75	5.09e-04	-2.22e-05	-6.14	0.0	0.48	1.83	-1.87e-03	-1.12e-03	5.09e-04	-0.89
		-1.57	-3.86e-04	-1.06e-06	0.0	54.4	0.48	-4.31	-1.87e-03	-1.12e-03	-3.86e-04	-1.57
129	288	-1.33	-3.65e-04	-2.65e-05	-9.68	0.0	-0.09	3.34	-1.55e-03	-1.63e-03	-3.65e-04	-1.64
		-2.45	-1.04e-03	-1.28e-06	0.0	54.4	-0.09	-6.34	-1.55e-03	-1.63e-03	-1.04e-03	-2.45
129	298	-1.17	-1.22e-04	-2.73e-05	-9.68	0.0	0.11	3.32	-1.73e-03	-1.67e-03	-1.22e-04	-1.48
		-2.30	-8.91e-04	-1.34e-06	0.0	54.4	0.11	-6.35	-1.73e-03	-1.67e-03	-8.91e-04	-2.30
129	304	-0.95	2.60e-04	-1.77e-05	-6.14	0.0	0.10	2.03	-1.71e-03	-1.20e-03	2.60e-04	-1.14
		-1.70	-5.47e-04	-1.69e-06	0.0	54.4	0.10	-4.10	-1.71e-03	-1.20e-03	-5.47e-04	-1.70
129	306	-0.88	1.66e-04	-1.88e-05	-6.14	0.0	0.19	1.98	-1.54e-03	-9.62e-04	1.66e-04	-1.05
		-1.64	-5.70e-04	0.0	0.0	54.4	0.19	-4.16	-1.54e-03	-9.62e-04	-5.70e-04	-1.64
129	308	-0.93	3.69e-05	-1.76e-05	-6.14	0.0	0.08	2.04	-1.42e-03	-9.02e-04	3.69e-05	-1.11
		-1.67	-6.39e-04	0.0	0.0	54.4	0.08	-4.10	-1.42e-03	-9.02e-04	-6.39e-04	-1.67
129	309	-0.91	7.98e-05	-1.80e-05	-6.14	0.0	0.12	2.02	-1.46e-03	-9.22e-04	7.98e-05	-1.09
		-1.66	-6.16e-04	0.0	0.0	54.4	0.12	-4.12	-1.46e-03	-9.22e-04	-6.16e-04	-1.66
129	310	-1.13	-9.30e-05	-2.60e-05	-9.17	0.0	0.11	3.14	-1.69e-03	-1.56e-03	-9.30e-05	-1.42
		-2.21	-8.52e-04	-1.26e-06	0.0	54.4	0.11	-6.03	-1.69e-03	-1.56e-03	-8.52e-04	-2.21
130	22	-0.26	-7.28e-04	-3.23e-05	-10.64	0.0	0.26	3.68	-7.21e-04	-6.16e-04	-7.28e-04	-0.60
		-1.49	-1.04e-03	1.88e-06	0.0	54.4	0.26	-6.96	-7.21e-04	-6.16e-04	-1.04e-03	-1.49
130	28	-0.82	1.40e-03	-4.21e-05	-16.37	0.0	0.39	5.89	-3.42e-03	-6.13e-03	1.40e-03	-1.39
		-2.64	2.21e-04	-6.70e-06	0.0	54.4	0.39	-10.48	-3.42e-03	-6.13e-03	2.21e-04	-2.64
130	41	-0.86	2.11e-03	-1.89e-05	-8.79	0.0	0.30	3.10	-2.66e-03	-5.63e-03	2.11e-03	-1.16
		-1.86	1.28e-03	-8.21e-06	0.0	54.4	0.30	-5.68	-2.66e-03	-5.63e-03	1.28e-03	-1.86
130	67	-0.14	1.24e-03	-4.54e-05	-14.09	0.0	1.30	4.82	-2.36e-03	-3.25e-03	1.24e-03	-0.59
		-1.79	3.27e-04	-2.45e-06	0.0	54.4	1.30	-9.27	-2.36e-03	-3.25e-03	3.27e-04	-1.79
130	69	0.03	1.06e-03	-2.31e-05	-5.33	0.0	1.10	1.54	-1.08e-03	-1.32e-03	1.06e-03	-0.09
		-0.70	6.18e-04	-1.22e-06	0.0	54.4	1.10	-3.79	-1.08e-03	-1.32e-03	6.18e-04	-0.70
130	94	-0.60	-2.92e-04	-1.21e-05	-5.33	0.0	-0.27	1.80	-3.93e-04	-1.13e-03	-2.92e-04	-0.77
		-1.24	-3.75e-04	0.0	0.0	54.4	-0.27	-3.53	-3.93e-04	-1.13e-03	-3.75e-04	-1.24
130	114	1.05	-0.01	-3.08e-05	-9.17	0.0	-0.59	3.12	0.01	0.07	-0.02	0.72
		0.03	-0.02	-1.88e-05	0.0	54.4	-0.59	-6.05	0.01	0.07	-0.01	0.03
130	115	-1.81	0.02	-1.82e-05	-9.17	0.0	1.13	3.38	-0.02	-0.07	0.02	-2.11
		-2.88	0.01	1.63e-05	0.0	54.4	1.13	-5.79	-0.02	-0.07	0.01	-2.88
130	118	0.89	-0.01	-2.81e-05	-9.17	0.0	-0.67	3.33	0.01	0.06	-0.02	0.52
		-0.05	-0.02	-3.24e-05	0.0	54.4	-0.67	-5.84	0.01	0.06	-0.01	-0.05
130	119	-1.65	0.02	-2.08e-05	-9.17	0.0	1.21	3.16	-0.02	-0.07	0.02	-1.91
		-2.79	0.01	2.99e-05	0.0	54.4	1.21	-6.01	-0.02	-0.07	0.01	-2.79
130	141	3.67	-5.08e-05	-8.20e-05	-9.17	0.0	0.81	0.37	6.30e-03	8.98e-03	-9.83e-04	3.67
		1.38	-9.83e-04	-2.15e-05	0.0	54.4	0.81	-8.80	6.30e-03	8.98e-03	-5.08e-05	1.38
130	144	-3.95	1.42e-03	4.13e-05	-9.17	0.0	-0.26	6.12	-8.62e-03	-0.01	1.42e-03	-5.05
		-5.05	-3.21e-04	1.90e-05	0.0	54.4	-0.26	-3.05	-8.62e-03	-0.01	-3.21e-04	-4.23
130	146	1.22	-0.01	-3.16e-05	-9.17	0.0	-0.68	3.10	0.02	0.07	-0.02	0.89
		0.21	-0.02	-2.08e-05	0.0	54.4	-0.68	-6.06	0.02	0.07	-0.01	0.21
130	147	-1.99	0.02	-1.75e-05	-9.17	0.0	1.23	3.39	-0.02	-0.08	0.02	-2.28
		-3.05	0.01	1.83e-05	0.0	54.4	1.23	-5.78	-0.02	-0.08	0.01	-3.05
130	150	1.05	-0.01	-2.85e-05	-9.17	0.0	-0.77	3.35	0.02	0.07	-0.02	0.67
		0.12	-0.02	-3.63e-05	0.0	54.4	-0.77	-5.82	0.02	0.07	-0.01	0.12
130	151	-1.81	0.02	-2.04e-05	-9.17	0.0	1.32	3.15	-0.02	-0.08	0.02	-2.06
		-2.96	0.01	3.38e-05	0.0	54.4	1.32	-6.02	-0.02	-0.08	0.01	-2.96
130	173	4.23	-2.84e-05	-9.00e-05	-9.17	0.0	0.87	-1.12e-03	7.24e-03	0.01	-1.12e-03	4.23
		1.75	-1.12e-03	-2.42e-05	0.0	54.4	0.87	-9.17	7.24e-03	0.01	-2.84e-05	1.75
130	176	-4.38	1.55e-03	4.94e-05	-9.17	0.0	-0.32	6.50	-9.56e-03	-0.01	1.55e-03	-5.62
		-5.62	-3.44e-04	2.17e-05	0.0	54.4	-0.32	-2.67	-9.56e-03	-0.01	-3.44e-04	-4.59
130	178	1.18	-0.01	-3.14e-05	-9.17	0.0	-0.58	3.12	0.02	0.07	-0.02	0.85
		0.17	-0.02	-1.99e-05	0.0	54.4	-0.58	-6.05	0.02	0.07	-0.01	0.17
130	179	-1.95	0.02	-1.77e-05	-9.17	0.0	1.13	3.38	-0.02	-0.08	0.02	-2.24
		-3.01	0.01	1.74e-05	0.0	54.4	1.13	-5.79	-0.02	-0.08	0.01	-3.01
130	182	1.01	-0.01	-2.83e-05	-9.17	0.0	-0.66	3.36	0.02	0.07	-0.02	0.63
		0.08	-0.02	-3.61e-05	0.0	54.4	-0.66	-5.81	0.02	0.07	-0.01	0.08
130	183	-1.77	0.02	-2.06e-05	-9.17	0.0	1.21	3.13	-0.02	-0.08	0.02	-2.02
		-2.93	0.01	3.36e-05	0.0	54.4	1.21	-6.04	-0.02	-0.08	0.01	-2.93
130	205	4.33	6.44e-05	-9.15e-05	-9.17	0.0	0.84	-0.07	7.16e-03	0.01	-9.65e-04	4.33
		1.81	-9.65e-04	-2.51e-05	0.0	54.4	0.84	-9.24	7.16e-03	0.01	6.44e-05	1.81
130	208	-4.45	1.40e-03	5.08e-05	-9.17	0.0	-0.30	6.57	-9.48e-03	-0.01	1.40e-03	-5.72
		-5.72	-4.37e-04	2.26e-05	0.0	54.4	-0.30	-2.60	-9.48e-03	-0.01	-4.37e-04	-4.65
130	210	1.43	-0.01	-3.25e-05	-9.17	0.0	-0.72	3.10	0.02	0.09	-0.02	1.10

		0.43	-0.02	-2.23e-05	0.0	54.4	-0.72	-6.07	0.02	0.09	-0.01	0.43
130	211	-2.20	0.03	-1.68e-05	-9.17	0.0	1.26	3.39	-0.02	-0.09	0.03	-2.49
		-3.27	0.01	1.98e-05	0.0	54.4	1.26	-5.78	-0.02	-0.09	0.01	-3.27
130	234	-3.34	-7.17e-03	4.43e-05	-9.17	0.0	-0.81	6.46	1.59e-03	0.03	-0.01	-4.60
		-4.60	-0.01	2.24e-05	0.0	54.4	-0.81	-2.71	1.59e-03	0.03	-7.17e-03	-3.54
130	235	3.21	0.01	-8.50e-05	-9.17	0.0	1.36	0.03	-3.91e-03	-0.04	0.01	3.21
		0.70	6.80e-03	-2.49e-05	0.0	54.4	1.36	-9.14	-3.91e-03	-0.04	6.80e-03	0.70
130	237	5.26	1.77e-04	-1.05e-04	-9.17	0.0	0.95	-0.69	8.57e-03	0.01	-1.06e-03	5.26
		2.40	-1.06e-03	-3.00e-05	0.0	54.4	0.95	-9.86	8.57e-03	0.01	1.77e-04	2.40
130	240	-5.13	1.50e-03	6.41e-05	-9.17	0.0	-0.40	7.19	-0.01	-0.02	1.50e-03	-6.65
		-6.65	-5.49e-04	2.75e-05	0.0	54.4	-0.40	-1.98	-0.01	-0.02	-5.49e-04	-5.24
130	251	-0.30	-3.71e-04	-2.84e-05	-9.68	0.0	0.28	3.35	-7.35e-04	-8.83e-04	-3.71e-04	-0.62
		-1.42	-6.59e-04	0.0	0.0	54.4	0.28	-6.32	-7.35e-04	-8.83e-04	-6.59e-04	-1.42
130	256	-0.59	9.23e-04	-2.89e-05	-11.19	0.0	0.26	4.00	-2.32e-03	-4.17e-03	9.23e-04	-0.97
		-1.84	1.27e-04	-4.52e-06	0.0	54.4	0.26	-7.19	-2.32e-03	-4.17e-03	1.27e-04	-1.84
130	261	-0.61	1.40e-03	-1.34e-05	-6.14	0.0	0.21	2.14	-1.81e-03	-3.84e-03	1.40e-03	-0.82
		-1.32	8.34e-04	-5.53e-06	0.0	54.4	0.21	-4.00	-1.81e-03	-3.84e-03	8.34e-04	-1.32
130	273	-0.11	8.19e-04	-2.20e-05	-6.14	0.0	0.83	1.93	-9.75e-04	-1.35e-03	8.19e-04	-0.27
		-0.89	4.43e-04	-1.12e-06	0.0	54.4	0.83	-4.21	-9.75e-04	-1.35e-03	4.43e-04	-0.89
130	275	-0.13	8.18e-04	-3.11e-05	-9.68	0.0	0.88	3.29	-1.61e-03	-2.25e-03	8.18e-04	-0.44
		-1.28	1.98e-04	-1.69e-06	0.0	54.4	0.88	-6.39	-1.61e-03	-2.25e-03	1.98e-04	-1.28
130	286	-0.53	-8.03e-05	-1.49e-05	-6.14	0.0	-0.07	2.10	-5.16e-04	-1.22e-03	-8.03e-05	-0.72
		-1.25	-2.19e-04	0.0	0.0	54.4	-0.07	-4.04	-5.16e-04	-1.22e-03	-2.19e-04	-1.25
130	298	-0.39	2.19e-04	-2.58e-05	-9.68	0.0	0.28	3.44	-1.25e-03	-2.10e-03	2.19e-04	-0.72
		-1.48	-2.21e-04	-1.34e-06	0.0	54.4	0.28	-6.23	-1.25e-03	-2.10e-03	-2.21e-04	-1.48
130	303	-0.36	1.02e-04	-2.47e-05	-9.17	0.0	0.28	3.24	-1.04e-03	-1.71e-03	1.02e-04	-0.67
		-1.40	-2.67e-04	0.0	0.0	54.4	0.28	-5.93	-1.04e-03	-1.71e-03	-2.67e-04	-1.40
130	304	-0.41	4.56e-04	-1.59e-05	-6.14	0.0	0.23	2.09	-8.54e-04	-1.72e-03	4.56e-04	-0.61
		-1.14	1.86e-04	-1.73e-06	0.0	54.4	0.23	-4.04	-8.54e-04	-1.72e-03	1.86e-04	-1.14
130	306	-0.31	3.40e-04	-1.75e-05	-6.14	0.0	0.36	2.05	-6.88e-04	-1.23e-03	3.40e-04	-0.50
		-1.05	1.08e-04	0.0	0.0	54.4	0.36	-4.08	-6.88e-04	-1.23e-03	1.08e-04	-1.05
130	307	-0.33	3.39e-04	-2.54e-05	-9.17	0.0	0.39	3.22	-1.23e-03	-2.00e-03	3.39e-04	-0.64
		-1.38	-1.02e-04	-1.33e-06	0.0	54.4	0.39	-5.95	-1.23e-03	-2.00e-03	-1.02e-04	-1.38
130	308	-0.39	1.61e-04	-1.60e-05	-6.14	0.0	0.18	2.10	-5.80e-04	-1.18e-03	1.61e-04	-0.58
		-1.11	-1.81e-05	0.0	0.0	54.4	0.18	-4.04	-5.80e-04	-1.18e-03	-1.81e-05	-1.11
130	309	-0.36	2.21e-04	-1.65e-05	-6.14	0.0	0.24	2.08	-6.16e-04	-1.20e-03	2.21e-04	-0.55
		-1.09	2.38e-05	0.0	0.0	54.4	0.24	-4.05	-6.16e-04	-1.20e-03	2.38e-05	-1.09
130	310	-0.38	2.19e-04	-2.44e-05	-9.17	0.0	0.27	3.25	-1.16e-03	-1.97e-03	2.19e-04	-0.69
		-1.42	-1.86e-04	-1.26e-06	0.0	54.4	0.27	-5.92	-1.16e-03	-1.97e-03	-1.86e-04	-1.42
131	41	-0.08	1.71e-03	-1.73e-05	-8.79	0.0	0.67	2.89	0.01	-4.41e-03	-7.42e-03	-0.34
		-1.16	-7.42e-03	-8.37e-06	0.0	54.4	0.67	-5.89	0.01	-4.41e-03	1.71e-03	-1.16
131	44	0.17	1.61e-03	-3.41e-05	-14.09	0.0	0.83	4.94	0.02	-5.41e-03	-9.20e-03	-0.30
		-1.44	-9.20e-03	-9.33e-06	0.0	54.4	0.83	-9.15	0.02	-5.41e-03	1.61e-03	-1.44
131	67	0.93	1.04e-03	-5.38e-05	-14.09	0.0	1.53	5.22	6.69e-03	-2.12e-03	-3.06e-03	0.41
		-0.59	-3.06e-03	-2.57e-06	0.0	54.4	1.53	-8.87	6.69e-03	-2.12e-03	1.04e-03	-0.59
131	92	0.31	-2.97e-04	-3.64e-05	-14.09	0.0	0.34	5.05	0.03	-2.17e-03	-0.02	-0.18
		-1.26	-0.02	-1.80e-06	0.0	54.4	0.34	-9.05	0.03	-2.17e-03	-2.97e-04	-1.26
131	94	-0.09	-3.61e-04	-1.13e-05	-5.33	0.0	-0.03	1.69	0.02	-8.83e-04	-0.01	-0.23
		-0.77	-0.01	0.0	0.0	54.4	-0.03	-3.64	0.02	-8.83e-04	-3.61e-04	-0.77
131	114	1.51	-5.77e-03	-4.98e-05	-9.17	0.0	-0.20	4.22	0.07	0.08	-0.04	1.04
		0.72	-0.04	-1.77e-05	0.0	54.4	-0.20	-4.95	0.07	0.08	-5.77e-03	0.72
131	115	-0.83	0.03	-9.44e-06	-9.17	0.0	1.20	2.38	-0.04	-0.08	0.03	-1.03
		-2.11	5.96e-03	1.51e-05	0.0	54.4	1.20	-6.79	-0.04	-0.08	5.96e-03	-2.11
131	138	-2.79	-3.41e-03	6.26e-05	-9.17	0.0	-0.31	4.42	0.04	0.01	-0.02	-3.35
		-3.48	-0.02	1.61e-05	0.0	54.4	-0.31	-4.75	0.04	0.01	-3.41e-03	-3.48
131	139	3.51	6.78e-03	-1.07e-04	-9.17	0.0	1.31	2.18	-8.10e-03	-0.01	6.78e-03	3.36
		2.09	3.60e-03	-1.86e-05	0.0	54.4	1.31	-6.99	-8.10e-03	-0.01	3.60e-03	2.09
131	141	4.98	8.64e-04	-1.44e-04	-9.17	0.0	1.03	2.50	0.02	0.03	-0.01	4.80
		3.67	-0.01	-2.16e-05	0.0	54.4	1.03	-6.67	0.02	0.03	8.64e-04	3.67
131	144	-4.29	-6.72e-04	9.96e-05	-9.17	0.0	-0.03	4.10	9.87e-03	-0.04	-6.31e-03	-4.79
		-5.05	-6.31e-03	1.91e-05	0.0	54.4	-0.03	-5.07	9.87e-03	-0.04	-6.72e-04	-5.05
131	146	1.66	-6.45e-03	-5.29e-05	-9.17	0.0	-0.27	4.33	0.08	0.09	-0.05	1.16
		0.89	-0.05	-1.96e-05	0.0	54.4	-0.27	-4.84	0.08	0.09	-6.45e-03	0.89
131	147	-0.97	0.03	8.01e-06	-9.17	0.0	1.28	2.27	-0.05	-0.09	0.03	-1.15
		-2.28	6.64e-03	1.70e-05	0.0	54.4	1.28	-6.90	-0.05	-0.09	6.64e-03	-2.28
131	170	-3.20	-3.82e-03	7.39e-05	-9.17	0.0	-0.40	4.56	0.04	0.01	-0.03	-3.79
		-3.85	-0.03	1.84e-05	0.0	54.4	-0.40	-4.61	0.04	0.01	-3.82e-03	-3.85
131	171	3.93	8.67e-03	-1.19e-04	-9.17	0.0	1.40	2.04	-0.01	-0.02	8.67e-03	3.80
		2.46	4.02e-03	-2.10e-05	0.0	54.4	1.40	-7.13	-0.01	-0.02	4.02e-03	2.46
131	173	5.59	9.67e-04	-1.60e-04	-9.17	0.0	1.09	2.39	0.02	0.04	-0.01	5.42
		4.23	-0.01	-2.44e-05	0.0	54.4	1.09	-6.78	0.02	0.04	9.67e-04	4.23
131	176	-4.89	-7.75e-04	1.16e-04	-9.17	0.0	-0.09	4.21	9.17e-03	-0.04	-6.02e-03	-5.41
		-5.62	-6.02e-03	2.18e-05	0.0	54.4	-0.09	-4.96	9.17e-03	-0.04	-7.75e-04	-5.62
131	178	1.62	-5.91e-03	-5.21e-05	-9.17	0.0	-0.20	4.31	0.08	0.09	-0.05	1.13
		0.85	-0.05	-1.87e-05	0.0	54.4	-0.20	-4.86	0.08	0.09	-5.91e-03	0.85

131	179	-0.93	0.03	-8.25e-06	-9.17	0.0	1.20	2.29	-0.05	-0.09	0.03	-1.12
		-2.24	6.10e-03	1.61e-05	0.0	54.4	1.20	-6.88	-0.05	-0.09	6.10e-03	-2.24
131	202	-3.32	-3.62e-03	7.70e-05	-9.17	0.0	-0.36	4.57	0.04	0.01	-0.03	-3.92
		-3.97	-0.03	1.90e-05	0.0	54.4	-0.36	-4.59	0.04	0.01	-3.62e-03	-3.97
131	203	4.06	8.30e-03	-1.22e-04	-9.17	0.0	1.37	2.02	-0.01	-0.02	8.30e-03	3.92
		2.58	3.81e-03	-2.16e-05	0.0	54.4	1.37	-7.14	-0.01	-0.02	3.81e-03	2.58
131	205	5.70	1.07e-03	-1.63e-04	-9.17	0.0	1.10	2.37	0.02	0.04	-0.01	5.53
		4.33	-0.01	-2.52e-05	0.0	54.4	1.10	-6.80	0.02	0.04	1.07e-03	4.33
131	208	-5.00	-8.73e-04	1.18e-04	-9.17	0.0	-0.09	4.23	9.27e-03	-0.04	-6.11e-03	-5.52
		-5.72	-6.11e-03	2.26e-05	0.0	54.4	-0.09	-4.94	9.27e-03	-0.04	-8.73e-04	-5.72
131	210	1.83	-6.88e-03	-5.66e-05	-9.17	0.0	-0.31	4.48	0.09	0.10	-0.05	1.30
		1.10	-0.05	-2.09e-05	0.0	54.4	-0.31	-4.69	0.09	0.10	-6.88e-03	1.10
131	211	-1.12	0.04	1.18e-05	-9.17	0.0	1.31	2.12	-0.06	-0.10	0.04	-1.29
		-2.49	7.07e-03	1.83e-05	0.0	54.4	1.31	-7.05	-0.06	-0.10	7.07e-03	-2.49
131	234	-4.01	-4.26e-03	9.62e-05	-9.17	0.0	-0.52	4.81	0.05	0.02	-0.03	-4.67
		-4.67	-0.03	2.31e-05	0.0	54.4	-0.52	-4.36	0.05	0.02	-4.26e-03	-4.60
131	235	4.78	0.01	-1.41e-04	-9.17	0.0	1.52	1.79	-0.01	-0.02	0.01	4.68
		3.21	4.45e-03	-2.57e-05	0.0	54.4	1.52	-7.38	-0.01	-0.02	4.45e-03	3.21
131	237	6.70	1.29e-03	-1.89e-04	-9.17	0.0	1.21	2.19	0.02	0.04	-0.01	6.56
		5.26	-0.01	-3.01e-05	0.0	54.4	1.21	-6.98	0.02	0.04	1.29e-03	5.26
131	240	-5.98	-1.09e-03	1.45e-04	-9.17	0.0	-0.21	4.41	8.35e-03	-0.05	-5.81e-03	-6.55
		-6.65	-5.81e-03	2.75e-05	0.0	54.4	-0.21	-4.76	8.35e-03	-0.05	-1.09e-03	-6.65
131	261	-0.06	1.13e-03	-1.24e-05	-6.14	0.0	0.47	2.00	0.01	-3.01e-03	-5.77e-03	-0.23
		-0.82	-5.77e-03	-5.63e-06	0.0	54.4	0.47	-4.14	0.01	-3.01e-03	1.13e-03	-0.82
131	264	0.11	1.06e-03	-2.36e-05	-9.68	0.0	0.58	3.36	0.01	-3.67e-03	-6.96e-03	-0.21
		-1.01	-6.96e-03	-6.28e-06	0.0	54.4	0.58	-6.31	0.01	-3.67e-03	1.06e-03	-1.01
131	275	0.62	6.75e-04	-3.68e-05	-9.68	0.0	1.04	3.55	5.92e-03	-1.47e-03	-2.87e-03	0.26
		-0.44	-2.87e-03	-1.76e-06	0.0	54.4	1.04	-6.12	5.92e-03	-1.47e-03	6.75e-04	-0.44
131	286	0.02	-1.56e-04	-1.48e-05	-6.14	0.0	0.15	2.03	0.02	-9.27e-04	-0.01	-0.16
		-0.72	-0.01	0.0	0.0	54.4	0.15	-4.10	0.02	-9.27e-04	-1.56e-04	-0.72
131	288	0.21	-2.15e-04	-2.51e-05	-9.68	0.0	0.25	3.44	0.02	-1.51e-03	-0.01	-0.12
		-0.89	-0.01	-1.25e-06	0.0	54.4	0.25	-6.24	0.02	-1.51e-03	-2.15e-04	-0.89
131	303	0.35	-1.98e-06	-2.71e-05	-9.17	0.0	0.49	3.31	0.02	-1.15e-03	-8.81e-03	0.02
		-0.67	-8.81e-03	0.0	0.0	54.4	0.49	-5.86	0.02	-1.15e-03	-1.98e-06	-0.67
131	304	0.12	3.43e-04	-1.66e-05	-6.14	0.0	0.42	2.08	0.01	-1.29e-03	-7.34e-03	-0.07
		-0.61	-7.34e-03	-1.77e-06	0.0	54.4	0.42	-4.06	0.01	-1.29e-03	3.43e-04	-0.61
131	305	0.28	2.92e-04	-2.54e-05	-9.17	0.0	0.51	3.28	0.01	-1.79e-03	-8.23e-03	-0.04
		-0.75	-8.23e-03	-2.25e-06	0.0	54.4	0.51	-5.89	0.01	-1.79e-03	2.92e-04	-0.75
131	307	0.38	2.13e-04	-2.82e-05	-9.17	0.0	0.61	3.31	0.01	-1.37e-03	-7.44e-03	0.05
		-0.64	-7.44e-03	-1.37e-06	0.0	54.4	0.61	-5.86	0.01	-1.37e-03	2.13e-04	-0.64
131	308	0.14	8.79e-05	-1.69e-05	-6.14	0.0	0.36	2.09	0.02	-8.61e-04	-8.32e-03	-0.05
		-0.58	-8.32e-03	0.0	0.0	54.4	0.36	-4.04	0.02	-8.61e-04	8.79e-05	-0.58
131	309	0.17	1.47e-04	-1.77e-05	-6.14	0.0	0.41	2.10	0.01	-8.63e-04	-7.73e-03	-0.03
		-0.55	-7.73e-03	0.0	0.0	54.4	0.41	-4.04	0.01	-8.63e-04	1.47e-04	-0.55
131	310	0.33	9.60e-05	-2.65e-05	-9.17	0.0	0.50	3.30	0.02	-1.37e-03	-8.62e-03	4.21e-03
		-0.69	-8.62e-03	-1.29e-06	0.0	54.4	0.50	-5.87	0.02	-1.37e-03	9.60e-05	-0.69
132	19	0.42	8.80e-04	-3.42e-05	-5.33	0.0	0.18	2.89	-0.02	0.0	8.80e-04	-3.11e-03
		-3.11e-03	-8.54e-03	3.87e-06	0.0	54.4	0.18	-2.43	-0.02	0.0	-8.54e-03	0.12
132	44	0.81	1.07e-03	-5.10e-05	-14.09	0.0	0.40	6.50	-0.02	0.0	1.07e-03	1.68e-03
		-0.30	-0.01	-8.04e-06	0.0	54.4	0.40	-7.60	-0.02	0.0	-0.01	-0.30
132	46	0.21	4.19e-04	-1.30e-05	-5.33	0.0	0.28	2.00	-0.01	0.0	4.19e-04	2.26e-03
		-0.36	-7.15e-03	-7.36e-06	0.0	54.4	0.28	-3.32	-0.01	0.0	-7.15e-03	-0.36
132	51	1.28	0.03	-8.77e-05	-16.37	0.0	0.35	8.60	-0.07	0.0	0.03	0.05
		0.05	-8.55e-03	-1.69e-06	0.0	54.4	0.35	-7.77	-0.07	0.0	-8.55e-03	0.28
132	68	1.20	0.05	-9.03e-05	-14.09	0.0	0.35	7.61	-0.10	0.0	0.05	0.09
		0.09	-4.36e-03	-2.12e-06	0.0	54.4	0.35	-6.49	-0.10	0.0	-4.36e-03	0.39
132	93	0.23	-0.01	-1.53e-05	-5.33	0.0	0.20	2.34	0.02	0.0	-0.02	-0.05
		-0.22	-0.02	0.0	0.0	54.4	0.20	-2.99	0.02	0.0	-0.01	-0.22
132	137	4.52	0.04	-2.78e-04	-9.17	0.0	-0.46	11.65	-0.09	0.0	0.04	0.65
		0.65	-0.01	-4.04e-05	0.0	54.4	-0.46	2.48	-0.09	0.0	-0.01	4.52
132	140	-0.65	-8.73e-03	1.95e-04	-9.17	0.0	0.94	-2.46	0.05	0.0	-0.04	-0.65
		-4.51	-0.04	3.99e-05	0.0	54.4	0.94	-11.63	0.05	0.0	-8.73e-03	-4.51
132	141	4.80	0.03	-2.91e-04	-9.17	0.0	-0.39	11.99	-0.09	0.0	0.03	0.78
		0.78	-8.60e-03	-2.03e-05	0.0	54.4	-0.39	2.82	-0.09	0.0	-8.60e-03	4.80
132	144	-0.78	-0.01	2.08e-04	-9.17	0.0	0.88	-2.80	0.05	0.0	-0.03	-0.78
		-4.79	-0.03	1.98e-05	0.0	54.4	0.88	-11.97	0.05	0.0	-0.01	-4.79
132	169	5.11	0.04	-3.09e-04	-9.17	0.0	-0.55	12.57	-0.10	0.0	0.04	0.73
		0.73	-0.01	-4.56e-05	0.0	54.4	-0.55	3.41	-0.10	0.0	-0.01	5.11
132	172	-0.73	-8.63e-03	2.26e-04	-9.17	0.0	1.03	-3.38	0.06	0.0	-0.04	-0.73
		-5.11	-0.04	4.51e-05	0.0	54.4	1.03	-12.55	0.06	0.0	-8.63e-03	-5.11
132	173	5.42	0.04	-3.24e-04	-9.17	0.0	-0.48	12.96	-0.09	0.0	0.04	0.88
		0.88	-8.52e-03	-2.30e-05	0.0	54.4	-0.48	3.79	-0.09	0.0	-8.52e-03	5.42
132	176	-0.88	-0.01	2.41e-04	-9.17	0.0	0.96	-3.77	0.06	0.0	-0.04	-0.88
		-5.41	-0.04	2.25e-05	0.0	54.4	0.96	-12.94	0.06	0.0	-0.01	-5.41
132	201	5.24	0.04	-3.15e-04	-9.17	0.0	-0.55	12.76	-0.10	0.0	0.04	0.76

		0.76	-0.01	-4.62e-05	0.0	54.4	-0.55	3.59	-0.10	0.0	-0.01	5.24
132	204	-0.76	-8.63e-03	2.32e-04	-9.17	0.0	1.03	-3.57	0.06	0.0	-0.04	-0.76
		-5.23	-0.04	4.57e-05	0.0	54.4	1.03	-12.74	0.06	0.0	-8.63e-03	-5.23
132	205	5.53	0.04	-3.29e-04	-9.17	0.0	-0.48	13.12	-0.10	0.0	0.04	0.90
		0.90	-8.55e-03	-2.37e-05	0.0	54.4	-0.48	3.95	-0.10	0.0	-8.55e-03	5.53
132	208	-0.91	-0.01	2.47e-04	-9.17	0.0	0.96	-3.93	0.06	0.0	-0.04	-0.91
		-5.52	-0.04	2.33e-05	0.0	54.4	0.96	-13.10	0.06	0.0	-0.01	-5.52
132	233	6.23	0.05	-3.67e-04	-9.17	0.0	-0.70	14.29	-0.11	0.0	0.05	0.90
		0.90	-0.01	-5.48e-05	0.0	54.4	-0.70	5.13	-0.11	0.0	-0.01	6.23
132	236	-0.91	-8.53e-03	2.84e-04	-9.17	0.0	1.18	-5.10	0.07	0.0	-0.05	-0.91
		-6.22	-0.05	5.43e-05	0.0	54.4	1.18	-14.27	0.07	0.0	-8.53e-03	-6.22
132	237	6.56	0.05	-3.83e-04	-9.17	0.0	-0.62	14.69	-0.11	0.0	0.05	1.07
		1.07	-8.34e-03	-2.85e-05	0.0	54.4	-0.62	5.52	-0.11	0.0	-8.34e-03	6.56
132	240	-1.08	-0.01	3.00e-04	-9.17	0.0	1.10	-5.50	0.07	0.0	-0.05	-1.08
		-6.55	-0.05	2.80e-05	0.0	54.4	1.10	-14.67	0.07	0.0	-0.01	-6.55
132	248	0.45	8.05e-04	-3.45e-05	-6.14	0.0	0.21	3.21	-0.02	0.0	8.05e-04	-3.41e-03
		-3.41e-03	-8.70e-03	2.59e-06	0.0	54.4	0.21	-2.92	-0.02	0.0	-8.70e-03	0.08
132	262	0.30	4.97e-04	-2.01e-05	-6.14	0.0	0.28	2.62	-0.02	0.0	4.97e-04	1.66e-04
		-0.24	-7.78e-03	-4.90e-06	0.0	54.4	0.28	-3.52	-0.02	0.0	-7.78e-03	-0.24
132	264	0.56	8.11e-04	-3.55e-05	-9.68	0.0	0.29	4.46	-0.02	0.0	8.11e-04	1.33e-03
		-0.21	-9.10e-03	-5.32e-06	0.0	54.4	0.29	-5.22	-0.02	0.0	-9.10e-03	-0.21
132	267	0.87	0.02	-6.00e-05	-11.19	0.0	0.25	5.86	-0.05	0.0	0.02	0.04
		0.04	-6.57e-03	-1.08e-06	0.0	54.4	0.25	-5.33	-0.05	0.0	-6.57e-03	0.18
132	276	0.82	0.03	-6.18e-05	-9.68	0.0	0.25	5.20	-0.07	0.0	0.03	0.06
		0.06	-3.78e-03	-1.37e-06	0.0	54.4	0.25	-4.48	-0.07	0.0	-3.78e-03	0.25
132	285	0.32	-0.01	-2.18e-05	-6.14	0.0	0.23	2.84	7.66e-03	0.0	-0.02	-0.03
		-0.15	-0.02	0.0	0.0	54.4	0.23	-3.29	7.66e-03	0.0	-0.01	-0.15
132	298	0.66	9.92e-04	-4.43e-05	-9.68	0.0	0.24	4.86	-0.02	0.0	9.92e-04	-1.26e-03
		-1.26e-03	-9.65e-03	0.0	0.0	54.4	0.24	-4.82	-0.02	0.0	-9.65e-03	9.47e-03
132	302	0.41	7.04e-04	-2.98e-05	-6.14	0.0	0.23	3.06	-0.02	0.0	7.04e-04	-2.62e-03
		-6.64e-03	-8.40e-03	0.0	0.0	54.4	0.23	-3.08	-0.02	0.0	-8.40e-03	-6.64e-03
132	304	0.38	6.28e-04	-2.65e-05	-6.14	0.0	0.24	2.95	-0.02	0.0	6.28e-04	-2.03e-03
		-0.07	-8.18e-03	0.0	0.0	54.4	0.24	-3.19	-0.02	0.0	-8.18e-03	-0.07
132	305	0.60	8.97e-04	-3.99e-05	-9.17	0.0	0.25	4.52	-0.02	0.0	8.97e-04	-1.03e-03
		-0.04	-9.31e-03	-1.23e-06	0.0	54.4	0.25	-4.65	-0.02	0.0	-9.31e-03	-0.04
132	307	0.66	7.43e-03	-4.50e-05	-9.17	0.0	0.24	4.67	-0.03	0.0	7.43e-03	0.01
		0.01	-8.25e-03	0.0	0.0	54.4	0.24	-4.50	-0.03	0.0	-8.25e-03	0.05
132	309	0.40	6.78e-04	-2.87e-05	-6.14	0.0	0.23	3.02	-0.02	0.0	6.78e-04	-2.42e-03
		-0.03	-8.33e-03	0.0	0.0	54.4	0.23	-3.11	-0.02	0.0	-8.33e-03	-0.03
132	310	0.62	9.47e-04	-4.21e-05	-9.17	0.0	0.24	4.60	-0.02	0.0	9.47e-04	-1.43e-03
		-1.43e-03	-9.46e-03	0.0	0.0	54.4	0.24	-4.57	-0.02	0.0	-9.46e-03	4.21e-03
133	19	-2.39	1.12e-03	-3.73e-06	-5.27	0.0	1.31	-1.38	-8.01e-04	0.0	1.12e-03	-2.39
		-4.70	6.60e-04	0.0	0.0	57.6	1.31	-6.64	-8.01e-04	0.0	6.60e-04	-4.70
133	28	-5.78	4.51e-03	-6.92e-06	-11.21	0.0	3.23	-4.15	-1.38e-03	0.0	4.51e-03	-5.78
		-11.40	3.72e-03	-1.91e-05	0.0	57.6	3.23	-15.36	-1.38e-03	0.0	3.72e-03	-11.40
133	59	-7.00	4.16e-03	-1.21e-05	-14.68	0.0	3.75	-4.19	-1.37e-03	0.0	4.16e-03	-7.00
		-13.64	3.37e-03	-1.35e-05	0.0	57.6	3.75	-18.87	-1.37e-03	0.0	3.37e-03	-13.64
133	69	-2.57	1.71e-03	-6.09e-06	-5.27	0.0	1.27	-1.57	-4.22e-04	0.0	1.71e-03	-2.57
		-5.00	1.47e-03	-6.54e-06	0.0	57.6	1.27	-6.84	-4.22e-04	0.0	1.47e-03	-5.00
133	83	-6.82	3.96e-03	-9.43e-06	-14.68	0.0	3.78	-4.03	-1.59e-03	0.0	3.96e-03	-6.82
		-13.36	3.05e-03	-1.11e-05	0.0	57.6	3.78	-18.71	-1.59e-03	0.0	3.05e-03	-13.36
133	93	-2.26	1.38e-03	5.70e-06	-5.27	0.0	1.32	-1.30	-7.77e-04	0.0	1.38e-03	-2.26
		-4.53	9.31e-04	-2.61e-06	0.0	57.6	1.32	-6.57	-7.77e-04	0.0	9.31e-04	-4.53
133	118	-2.80	-7.85e-03	-1.90e-05	-5.65	0.0	-0.10	-0.41	-6.68e-03	0.0	-7.85e-03	-2.80
		-5.68	-0.01	-1.20e-04	0.0	57.6	-0.10	-6.06	-6.68e-03	0.0	-0.01	-5.68
133	119	-3.06	0.01	1.88e-05	-5.65	0.0	3.38	-3.92	4.89e-03	0.0	0.01	-3.06
		-5.93	0.01	1.06e-04	0.0	57.6	3.38	-9.57	4.89e-03	0.0	0.01	-5.93
133	137	-5.10	6.84e-04	-4.20e-05	-5.65	0.0	4.17	-4.04	7.27e-04	0.0	6.18e-04	-5.10
		-9.36	6.18e-04	-1.31e-04	0.0	57.6	4.17	-9.70	7.27e-04	0.0	6.84e-04	-9.36
133	138	-1.04	-2.01e-03	2.45e-05	-5.65	0.0	-1.43	0.38	-5.43e-03	0.0	-2.01e-03	-1.04
		-2.76	-4.76e-03	3.40e-05	0.0	57.6	-1.43	-5.28	-5.43e-03	0.0	-4.76e-03	-2.76
133	139	-4.82	8.13e-03	-2.47e-05	-5.65	0.0	4.71	-4.70	3.64e-03	0.0	6.41e-03	-4.82
		-8.84	6.41e-03	-4.80e-05	0.0	57.6	4.71	-10.35	3.64e-03	0.0	8.13e-03	-8.84
133	144	-0.72	3.27e-03	4.36e-05	-5.65	0.0	-1.18	-0.09	-2.94e-03	0.0	3.27e-03	-0.72
		-2.40	1.94e-03	6.91e-05	0.0	57.6	-1.18	-5.74	-2.94e-03	0.0	1.94e-03	-2.40
133	150	-2.78	-9.08e-03	-2.13e-05	-5.65	0.0	-0.32	-0.19	-7.39e-03	0.0	-9.08e-03	-2.78
		-5.66	-0.01	-1.34e-04	0.0	57.6	-0.32	-5.84	-7.39e-03	0.0	-0.01	-5.66
133	151	-3.08	0.02	2.11e-05	-5.65	0.0	3.61	-4.13	5.61e-03	0.0	0.01	-3.08
		-5.95	0.01	1.20e-04	0.0	57.6	3.61	-9.79	5.61e-03	0.0	0.02	-5.95
133	169	-5.39	5.71e-04	-4.75e-05	-5.65	0.0	4.51	-4.29	9.49e-04	0.0	4.22e-04	-5.39
		-9.82	4.22e-04	-1.47e-04	0.0	57.6	4.51	-9.94	9.49e-04	0.0	5.71e-04	-9.82
133	170	-0.80	-2.53e-03	2.78e-05	-5.65	0.0	-1.83	0.70	-6.01e-03	0.0	-2.53e-03	-0.80
		-2.37	-5.56e-03	3.99e-05	0.0	57.6	-1.83	-4.95	-6.01e-03	0.0	-5.56e-03	-2.37
133	171	-5.06	8.93e-03	-2.80e-05	-5.65	0.0	5.12	-5.03	4.22e-03	0.0	6.92e-03	-5.06
		-9.24	6.92e-03	-5.40e-05	0.0	57.6	5.12	-10.68	4.22e-03	0.0	8.93e-03	-9.24

133	176	-0.43	3.40e-03	4.93e-05	-5.65	0.0	-1.55	0.18	-3.21e-03	0.0	3.40e-03	-0.43
		-1.96	1.96e-03	7.96e-05	0.0	57.6	-1.55	-5.47	-3.21e-03	0.0	1.96e-03	-1.96
133	182	-2.78	-8.89e-03	-2.08e-05	-5.65	0.0	-0.34	-0.20	-7.29e-03	0.0	-8.89e-03	-2.78
		-5.63	-0.01	-1.32e-04	0.0	57.6	-0.34	-5.86	-7.29e-03	0.0	-0.01	-5.63
133	183	-3.08	0.02	2.05e-05	-5.65	0.0	3.62	-4.12	5.50e-03	0.0	0.01	-3.08
		-5.98	0.01	1.18e-04	0.0	57.6	3.62	-9.78	5.50e-03	0.0	0.02	-5.98
133	201	-5.45	6.37e-04	-4.86e-05	-5.65	0.0	4.59	-4.34	1.05e-03	0.0	4.28e-04	-5.45
		-9.90	4.28e-04	-1.51e-04	0.0	57.6	4.59	-10.00	1.05e-03	0.0	6.37e-04	-9.90
133	202	-0.74	-2.42e-03	2.90e-05	-5.65	0.0	-1.91	0.74	-6.04e-03	0.0	-2.42e-03	-0.74
		-2.28	-5.47e-03	4.44e-05	0.0	57.6	-1.91	-4.92	-6.04e-03	0.0	-5.47e-03	-2.28
133	203	-5.11	8.84e-03	-2.92e-05	-5.65	0.0	5.19	-5.06	4.25e-03	0.0	6.82e-03	-5.11
		-9.32	6.82e-03	-5.85e-05	0.0	57.6	5.19	-10.72	4.25e-03	0.0	8.84e-03	-9.32
133	208	-0.38	3.40e-03	5.03e-05	-5.65	0.0	-1.63	0.23	-3.30e-03	0.0	3.40e-03	-0.38
		-1.88	1.92e-03	8.41e-05	0.0	57.6	-1.63	-5.43	-3.30e-03	0.0	1.92e-03	-1.88
133	214	-2.75	-0.01	-2.41e-05	-5.65	0.0	-0.69	0.14	-8.36e-03	0.0	-0.01	-2.75
		-5.58	-0.02	-1.53e-04	0.0	57.6	-0.69	-5.52	-8.36e-03	0.0	-0.02	-5.58
133	215	-3.11	0.02	2.39e-05	-5.65	0.0	3.98	-4.46	6.57e-03	0.0	0.02	-3.11
		-6.02	0.02	1.39e-04	0.0	57.6	3.98	-10.11	6.57e-03	0.0	0.02	-6.02
133	233	-5.93	4.88e-04	-5.77e-05	-5.65	0.0	5.15	-4.76	1.45e-03	0.0	1.20e-04	-5.93
		-10.67	1.20e-04	-1.79e-04	0.0	57.6	5.15	-10.42	1.45e-03	0.0	4.88e-04	-10.67
133	234	-0.31	-3.18e-03	3.47e-05	-5.65	0.0	-2.58	1.27	-6.96e-03	0.0	-3.18e-03	-0.33
		-1.62	-6.68e-03	5.62e-05	0.0	57.6	-2.58	-4.38	-6.96e-03	0.0	-6.68e-03	-1.62
133	235	-5.53	0.01	-3.50e-05	-5.65	0.0	5.86	-5.60	5.17e-03	0.0	7.58e-03	-5.53
		-9.99	7.58e-03	-7.03e-05	0.0	57.6	5.86	-11.25	5.17e-03	0.0	0.01	-9.99
133	236	0.13	4.28e-03	5.75e-05	-5.65	0.0	-1.87	0.44	-3.24e-03	0.0	4.28e-03	0.07
		-0.93	2.88e-03	1.65e-04	0.0	57.6	-1.87	-5.22	-3.24e-03	0.0	2.88e-03	-0.93
133	248	-2.55	1.38e-03	-3.30e-06	-5.65	0.0	1.39	-1.51	-7.94e-04	0.0	1.38e-03	-2.55
		-5.05	9.24e-04	0.0	0.0	57.6	1.39	-7.16	-7.94e-04	0.0	9.24e-04	-5.05
133	256	-4.08	3.13e-03	-5.06e-06	-7.97	0.0	2.28	-2.89	-9.85e-04	0.0	3.13e-03	-4.08
		-8.04	2.57e-03	-1.32e-05	0.0	57.6	2.28	-10.86	-9.85e-04	0.0	2.57e-03	-8.04
133	271	-4.89	2.90e-03	-8.55e-06	-10.29	0.0	2.63	-2.91	-9.82e-04	0.0	2.90e-03	-4.89
		-9.53	2.34e-03	-9.38e-06	0.0	57.6	2.63	-13.19	-9.82e-04	0.0	2.34e-03	-9.53
133	273	-2.67	1.78e-03	-4.60e-06	-5.65	0.0	1.37	-1.64	-5.42e-04	0.0	1.78e-03	-2.67
		-5.24	1.46e-03	-5.89e-06	0.0	57.6	1.37	-7.29	-5.42e-04	0.0	1.46e-03	-5.24
133	283	-4.77	2.77e-03	-6.74e-06	-10.29	0.0	2.65	-2.80	-1.12e-03	0.0	2.77e-03	-4.77
		-9.35	2.12e-03	-7.81e-06	0.0	57.6	2.65	-13.09	-1.12e-03	0.0	2.12e-03	-9.35
133	285	-2.47	1.55e-03	5.48e-06	-5.65	0.0	1.40	-1.46	-7.78e-04	0.0	1.55e-03	-2.47
		-4.94	1.10e-03	-3.27e-06	0.0	57.6	1.40	-7.12	-7.78e-04	0.0	1.10e-03	-4.94
133	301	-3.29	2.30e-03	-4.18e-06	-6.58	0.0	1.83	-2.27	-9.24e-04	0.0	2.30e-03	-3.29
		-6.50	1.77e-03	-7.20e-06	0.0	57.6	1.83	-8.86	-9.24e-04	0.0	1.77e-03	-6.50
133	302	-2.54	1.58e-03	2.88e-06	-5.65	0.0	1.39	-1.52	-7.18e-04	0.0	1.58e-03	-2.54
		-5.04	1.16e-03	-3.52e-06	0.0	57.6	1.39	-7.17	-7.18e-04	0.0	1.16e-03	-5.04
133	306	-2.56	1.66e-03	-3.07e-06	-5.65	0.0	1.38	-1.55	-6.68e-04	0.0	1.66e-03	-2.56
		-5.08	1.27e-03	-4.50e-06	0.0	57.6	1.38	-7.20	-6.68e-04	0.0	1.27e-03	-5.08
133	308	-2.52	1.61e-03	3.63e-06	-5.65	0.0	1.39	-1.51	-7.15e-04	0.0	1.61e-03	-2.52
		-5.02	1.20e-03	-3.97e-06	0.0	57.6	1.39	-7.16	-7.15e-04	0.0	1.20e-03	-5.02
133	309	-2.53	1.63e-03	3.17e-06	-5.65	0.0	1.39	-1.52	-7.00e-04	0.0	1.63e-03	-2.53
		-5.04	1.22e-03	-4.15e-06	0.0	57.6	1.39	-7.18	-7.00e-04	0.0	1.22e-03	-5.04
133	310	-2.93	2.20e-03	-3.43e-06	-5.65	0.0	1.64	-2.16	-8.94e-04	0.0	2.20e-03	-2.93
		-5.80	1.68e-03	-7.04e-06	0.0	57.6	1.64	-7.82	-8.94e-04	0.0	1.68e-03	-5.80
134	19	-1.07	1.16e-03	-4.89e-06	-5.27	0.0	1.00	0.36	-6.97e-05	0.0	1.16e-03	-1.08
		-2.39	1.12e-03	0.0	0.0	57.6	1.00	-4.91	-6.97e-05	0.0	1.12e-03	-2.39
134	52	-2.64	5.34e-03	-1.12e-05	-11.21	0.0	2.33	-0.12	-1.97e-03	0.0	5.34e-03	-2.64
		-5.94	4.20e-03	-1.55e-05	0.0	57.6	2.33	-11.33	-1.97e-03	0.0	4.20e-03	-5.94
134	59	-3.19	5.26e-03	-1.42e-05	-14.68	0.0	2.81	0.73	-1.90e-03	0.0	5.26e-03	-3.20
		-7.00	4.16e-03	-1.40e-05	0.0	57.6	2.81	-13.95	-1.90e-03	0.0	4.16e-03	-7.00
134	69	-1.17	2.85e-03	-6.35e-06	-5.27	0.0	0.87	0.21	-1.97e-03	0.0	2.85e-03	-1.18
		-2.57	1.71e-03	-6.75e-06	0.0	57.6	0.87	-5.06	-1.97e-03	0.0	1.71e-03	-2.57
134	83	-3.08	4.23e-03	-1.24e-05	-14.68	0.0	2.92	0.87	-4.66e-04	0.0	4.23e-03	-3.09
		-6.82	3.96e-03	-1.16e-05	0.0	57.6	2.92	-13.81	-4.66e-04	0.0	3.96e-03	-6.82
134	93	-0.99	1.38e-03	6.72e-06	-5.27	0.0	1.05	0.44	4.30e-04	0.0	1.13e-03	-1.00
		-2.26	1.13e-03	-2.78e-06	0.0	57.6	1.05	-4.83	4.30e-04	0.0	1.38e-03	-2.26
134	118	-1.31	-7.85e-03	-1.25e-05	-5.65	0.0	-0.24	-2.88e-03	0.03	0.0	-0.02	-1.31
		-2.80	-0.02	-1.18e-04	0.0	57.6	-0.24	-5.66	0.03	0.0	-7.85e-03	-2.80
134	119	-1.23	0.03	1.73e-05	-5.65	0.0	2.65	-0.09	-0.03	0.0	0.03	-1.23
		-3.06	0.01	1.04e-04	0.0	57.6	2.65	-5.75	-0.03	0.0	0.01	-3.06
134	138	-0.18	-2.01e-03	1.52e-05	-5.65	0.0	-1.39	1.46	0.03	0.0	-0.02	-0.30
		-1.04	-0.02	3.74e-05	0.0	57.6	-1.39	-4.19	0.03	0.0	-2.01e-03	-1.04
134	139	-2.25	0.02	-9.47e-06	-5.65	0.0	3.80	-1.56	-0.03	0.0	0.02	-2.25
		-4.82	6.41e-03	-5.20e-05	0.0	57.6	3.80	-7.21	-0.03	0.0	6.41e-03	-4.82
134	141	-2.51	0.01	-2.11e-05	-5.65	0.0	3.60	-1.73	-0.02	0.0	0.01	-2.51
		-5.14	1.13e-03	-8.67e-05	0.0	57.6	3.60	-7.39	-0.02	0.0	1.13e-03	-5.14
134	144	0.10	3.27e-03	2.78e-05	-5.65	0.0	-1.20	1.64	0.02	0.0	-6.32e-03	-0.04
		-0.72	-6.32e-03	7.21e-05	0.0	57.6	-1.20	-4.01	0.02	0.0	3.27e-03	-0.72
134	150	-1.31	-9.08e-03	-1.38e-05	-5.65	0.0	-0.42	5.55e-03	0.03	0.0	-0.03	-1.32

		-2.78	-0.03	-1.32e-04	0.0	57.6	-0.42	-5.65	0.03	0.0	-9.08e-03	-2.78
134	151	-1.23	0.03	1.89e-05	-5.65	0.0	2.83	-0.10	-0.03	0.0	0.03	-1.23
		-3.08	0.01	1.17e-04	0.0	57.6	2.83	-5.75	-0.03	0.0	0.01	-3.08
134	170	-0.02	-2.53e-03	1.68e-05	-5.65	0.0	-1.73	1.66	0.03	0.0	-0.02	-0.17
		-0.80	-0.02	4.38e-05	0.0	57.6	-1.73	-3.99	0.03	0.0	-2.53e-03	-0.80
134	171	-2.38	0.02	-1.06e-05	-5.65	0.0	4.14	-1.76	-0.03	0.0	0.02	-2.38
		-5.06	6.92e-03	-5.85e-05	0.0	57.6	4.14	-7.41	-0.03	0.0	6.92e-03	-5.06
134	173	-2.67	0.01	-2.43e-05	-5.65	0.0	3.92	-1.95	-0.02	0.0	0.01	-2.67
		-5.42	9.96e-04	-9.75e-05	0.0	57.6	3.92	-7.61	-0.02	0.0	9.96e-04	-5.42
134	176	0.30	3.40e-03	3.10e-05	-5.65	0.0	-1.51	1.86	0.02	0.0	-7.49e-03	0.12
		-0.43	-7.49e-03	8.29e-05	0.0	57.6	-1.51	-3.79	0.02	0.0	3.40e-03	-0.43
134	182	-1.31	-8.89e-03	-1.35e-05	-5.65	0.0	-0.44	0.02	0.03	0.0	-0.03	-1.32
		-2.78	-0.03	-1.31e-04	0.0	57.6	-0.44	-5.63	0.03	0.0	-8.89e-03	-2.78
134	183	-1.23	0.03	1.85e-05	-5.65	0.0	2.85	-0.11	-0.03	0.0	0.03	-1.23
		-3.08	0.01	1.16e-04	0.0	57.6	2.85	-5.77	-0.03	0.0	0.01	-3.08
134	202	0.02	-2.42e-03	1.77e-05	-5.65	0.0	-1.80	1.70	0.03	0.0	-0.02	-0.14
		-0.74	-0.02	4.80e-05	0.0	57.6	-1.80	-3.95	0.03	0.0	-2.42e-03	-0.74
134	203	-2.41	0.02	-1.12e-05	-5.65	0.0	4.20	-1.80	-0.03	0.0	0.02	-2.41
		-5.11	6.82e-03	-6.26e-05	0.0	57.6	4.20	-7.45	-0.03	0.0	6.82e-03	-5.11
134	205	-2.70	0.01	-2.49e-05	-5.65	0.0	3.99	-2.00	-0.02	0.0	0.01	-2.70
		-5.48	9.95e-04	-1.02e-04	0.0	57.6	3.99	-7.65	-0.02	0.0	9.95e-04	-5.48
134	208	0.34	3.40e-03	3.16e-05	-5.65	0.0	-1.58	1.90	0.02	0.0	-7.86e-03	0.15
		-0.38	-7.86e-03	8.72e-05	0.0	57.6	-1.58	-3.75	0.02	0.0	3.40e-03	-0.38
134	214	-1.32	-0.01	-1.53e-05	-5.65	0.0	-0.74	0.04	0.03	0.0	-0.03	-1.32
		-2.75	-0.03	-1.52e-04	0.0	57.6	-0.74	-5.61	0.03	0.0	-0.01	-2.75
134	215	-1.23	0.04	2.10e-05	-5.65	0.0	3.15	-0.13	-0.04	0.0	0.04	-1.23
		-3.11	0.02	1.37e-04	0.0	57.6	3.15	-5.79	-0.04	0.0	0.02	-3.11
134	234	0.30	-3.18e-03	2.06e-05	-5.65	0.0	-2.36	2.04	0.04	0.0	-0.02	0.07
		-0.33	-0.02	6.04e-05	0.0	57.6	-2.36	-3.62	0.04	0.0	-3.18e-03	-0.33
134	235	-2.62	0.03	-1.39e-05	-5.65	0.0	4.77	-2.13	-0.04	0.0	0.03	-2.62
		-5.53	7.58e-03	-7.50e-05	0.0	57.6	4.77	-7.79	-0.04	0.0	7.58e-03	-5.53
134	237	-2.97	0.01	-3.02e-05	-5.65	0.0	4.51	-2.36	-0.03	0.0	0.01	-2.97
		-5.95	7.93e-04	-1.21e-04	0.0	57.6	4.51	-8.02	-0.03	0.0	7.93e-04	-5.95
134	240	0.68	3.61e-03	3.69e-05	-5.65	0.0	-2.11	2.27	0.02	0.0	-9.91e-03	0.42
		0.10	-9.91e-03	1.06e-04	0.0	57.6	-2.11	-3.38	0.02	0.0	3.61e-03	0.10
134	248	-1.13	1.49e-03	-4.75e-06	-5.65	0.0	1.06	0.38	-1.93e-04	0.0	1.49e-03	-1.14
		-2.55	1.38e-03	-1.16e-06	0.0	57.6	1.06	-5.28	-1.93e-04	0.0	1.38e-03	-2.55
134	268	-1.87	3.71e-03	-7.96e-06	-7.97	0.0	1.66	-0.04	-1.35e-03	0.0	3.71e-03	-1.87
		-4.18	2.93e-03	-1.08e-05	0.0	57.6	1.66	-8.01	-1.35e-03	0.0	2.93e-03	-4.18
134	271	-2.23	3.65e-03	-9.98e-06	-10.29	0.0	1.98	0.53	-1.31e-03	0.0	3.65e-03	-2.24
		-4.89	2.90e-03	-9.74e-06	0.0	57.6	1.98	-9.76	-1.31e-03	0.0	2.90e-03	-4.89
134	273	-1.20	2.62e-03	-5.64e-06	-5.65	0.0	0.97	0.28	-1.46e-03	0.0	2.62e-03	-1.20
		-2.67	1.78e-03	-6.11e-06	0.0	57.6	0.97	-5.38	-1.46e-03	0.0	1.78e-03	-2.67
134	283	-2.16	2.97e-03	-8.76e-06	-10.29	0.0	2.05	0.62	-3.47e-04	0.0	2.97e-03	-2.17
		-4.77	2.77e-03	-8.15e-06	0.0	57.6	2.05	-9.67	-3.47e-04	0.0	2.77e-03	-4.77
134	285	-1.08	1.55e-03	6.69e-06	-5.65	0.0	1.09	0.43	1.40e-04	0.0	1.47e-03	-1.09
		-2.47	1.47e-03	-3.46e-06	0.0	57.6	1.09	-5.22	1.40e-04	0.0	1.55e-03	-2.47
134	301	-1.45	2.63e-03	-5.56e-06	-6.58	0.0	1.36	0.09	-5.76e-04	0.0	2.63e-03	-1.45
		-3.29	2.30e-03	-7.48e-06	0.0	57.6	1.36	-6.49	-5.76e-04	0.0	2.30e-03	-3.29
134	302	-1.12	1.78e-03	4.76e-06	-5.65	0.0	1.05	0.38	-3.52e-04	0.0	1.78e-03	-1.13
		-2.54	1.58e-03	-3.71e-06	0.0	57.6	1.05	-5.27	-3.52e-04	0.0	1.58e-03	-2.54
134	306	-1.13	2.01e-03	-4.55e-06	-5.65	0.0	1.03	0.36	-6.05e-04	0.0	2.01e-03	-1.14
		-2.56	1.66e-03	-4.70e-06	0.0	57.6	1.03	-5.29	-6.05e-04	0.0	1.66e-03	-2.56
134	307	-1.29	2.67e-03	-4.94e-06	-5.65	0.0	1.19	-0.07	-7.73e-04	0.0	2.67e-03	-1.29
		-2.96	2.23e-03	-7.66e-06	0.0	57.6	1.19	-5.72	-7.73e-04	0.0	2.23e-03	-2.96
134	308	-1.11	1.78e-03	5.32e-06	-5.65	0.0	1.06	0.39	-2.86e-04	0.0	1.78e-03	-1.12
		-2.52	1.61e-03	-4.17e-06	0.0	57.6	1.06	-5.26	-2.86e-04	0.0	1.61e-03	-2.52
134	309	-1.12	1.85e-03	4.98e-06	-5.65	0.0	1.05	0.38	-3.92e-04	0.0	1.85e-03	-1.13
		-2.53	1.63e-03	-4.35e-06	0.0	57.6	1.05	-5.27	-3.92e-04	0.0	1.63e-03	-2.53
134	310	-1.27	2.52e-03	-4.67e-06	-5.65	0.0	1.20	-0.05	-5.60e-04	0.0	2.52e-03	-1.27
		-2.93	2.20e-03	-7.31e-06	0.0	57.6	1.20	-5.70	-5.60e-04	0.0	2.20e-03	-2.93
135	4	-0.66	4.33e-03	-1.73e-05	-11.21	0.0	1.03	2.56	0.02	0.0	-6.41e-03	-0.83
		-2.58	-6.41e-03	-1.16e-05	0.0	57.6	1.03	-8.65	0.02	0.0	4.33e-03	-2.58
135	52	-0.69	5.34e-03	-1.82e-05	-11.21	0.0	0.89	2.49	0.02	0.0	-5.72e-03	-0.85
		-2.64	-5.72e-03	-1.62e-05	0.0	57.6	0.89	-8.72	0.02	0.0	5.34e-03	-2.64
135	59	-0.83	5.26e-03	-2.15e-05	-14.68	0.0	1.22	3.70	0.02	0.0	-5.43e-03	-1.10
		-3.20	-5.43e-03	-1.46e-05	0.0	57.6	1.22	-10.99	0.02	0.0	5.26e-03	-3.20
135	69	-0.31	2.85e-03	-9.09e-06	-5.27	0.0	0.24	1.29	7.48e-03	0.0	-1.46e-03	-0.40
		-1.18	-1.46e-03	-7.10e-06	0.0	57.6	0.24	-3.98	7.48e-03	0.0	2.85e-03	-1.18
135	83	-0.77	4.23e-03	-1.97e-05	-14.68	0.0	1.41	3.81	0.02	0.0	-5.87e-03	-1.06
		-3.09	-5.87e-03	-1.21e-05	0.0	57.6	1.41	-10.87	0.02	0.0	4.23e-03	-3.09
135	93	-0.21	1.13e-03	-6.00e-06	-5.27	0.0	0.56	1.47	5.77e-03	0.0	-2.19e-03	-0.33
		-1.00	-2.19e-03	-2.92e-06	0.0	57.6	0.56	-3.80	5.77e-03	0.0	1.13e-03	-1.00
135	118	-0.38	-0.02	-1.24e-05	-5.65	0.0	0.43	1.34	9.96e-03	0.0	-0.03	-0.48
		-1.31	-0.03	-1.15e-04	0.0	57.6	0.43	-4.31	9.96e-03	0.0	-0.02	-1.31

135	119	-0.24	0.03	5.62e-06	-5.65	0.0	0.55	1.25	9.85e-03	0.0	0.02	-0.31
		-1.23	0.02	1.00e-04	0.0	57.6	0.55	-4.40	9.85e-03	0.0	0.03	-1.23
135	137	-0.87	9.23e-03	-2.10e-05	-5.65	0.0	2.24	0.04	0.03	0.0	-4.77e-03	-0.87
		-2.47	-4.77e-03	-1.38e-04	0.0	57.6	2.24	-5.61	0.03	0.0	9.23e-03	-2.47
135	140	0.41	-1.59e-03	1.81e-05	-5.65	0.0	-1.26	2.56	-6.47e-03	0.0	-1.59e-03	0.08
		-0.08	-4.19e-03	1.23e-04	0.0	57.6	-1.26	-3.10	-6.47e-03	0.0	-4.19e-03	-0.08
135	141	-0.89	0.01	-2.17e-05	-5.65	0.0	2.16	8.50e-03	0.03	0.0	-2.97e-03	-0.89
		-2.51	-2.97e-03	-9.05e-05	0.0	57.6	2.16	-5.65	0.03	0.0	0.01	-2.51
135	144	0.44	-3.39e-03	1.89e-05	-5.65	0.0	-1.19	2.59	-6.07e-03	0.0	-3.39e-03	0.10
		-0.04	-6.32e-03	7.53e-05	0.0	57.6	-1.19	-3.07	-6.07e-03	0.0	-6.32e-03	-0.04
135	150	-0.39	-0.03	-1.29e-05	-5.65	0.0	0.42	1.35	9.94e-03	0.0	-0.03	-0.48
		-1.32	-0.03	-1.29e-04	0.0	57.6	0.42	-4.30	9.94e-03	0.0	-0.03	-1.32
135	151	-0.23	0.03	6.47e-06	-5.65	0.0	0.56	1.25	9.87e-03	0.0	0.02	-0.30
		-1.23	0.02	1.13e-04	0.0	57.6	0.56	-4.41	9.87e-03	0.0	0.03	-1.23
135	169	-0.93	0.01	-2.32e-05	-5.65	0.0	2.47	-0.12	0.03	0.0	-4.95e-03	-0.93
		-2.62	-4.95e-03	-1.55e-04	0.0	57.6	2.47	-5.78	0.03	0.0	0.01	-2.62
135	172	0.52	-1.42e-03	2.06e-05	-5.65	0.0	-1.49	2.72	-8.62e-03	0.0	-1.42e-03	0.14
		0.08	-5.11e-03	1.40e-04	0.0	57.6	-1.49	-2.93	-8.62e-03	0.0	-5.11e-03	0.08
135	173	-0.95	0.01	-2.42e-05	-5.65	0.0	2.38	-0.16	0.03	0.0	-2.94e-03	-0.95
		-2.67	-2.94e-03	-1.02e-04	0.0	57.6	2.38	-5.81	0.03	0.0	0.01	-2.67
135	176	0.55	-3.43e-03	2.15e-05	-5.65	0.0	-1.40	2.76	-8.15e-03	0.0	-3.43e-03	0.17
		0.12	-7.49e-03	8.65e-05	0.0	57.6	-1.40	-2.90	-8.15e-03	0.0	-7.49e-03	0.12
135	182	-0.39	-0.03	-1.28e-05	-5.65	0.0	0.41	1.35	9.79e-03	0.0	-0.03	-0.48
		-1.32	-0.03	-1.27e-04	0.0	57.6	0.41	-4.30	9.79e-03	0.0	-0.03	-1.32
135	183	-0.23	0.03	6.30e-06	-5.65	0.0	0.56	1.25	0.01	0.0	0.02	-0.31
		-1.23	0.02	1.12e-04	0.0	57.6	0.56	-4.41	0.01	0.0	0.03	-1.23
135	201	-0.94	0.01	-2.34e-05	-5.65	0.0	2.52	-0.16	0.03	0.0	-4.81e-03	-0.94
		-2.66	-4.81e-03	-1.59e-04	0.0	57.6	2.52	-5.81	0.03	0.0	0.01	-2.66
135	204	0.54	-1.56e-03	2.07e-05	-5.65	0.0	-1.54	2.76	-9.07e-03	0.0	-1.56e-03	0.15
		0.11	-5.55e-03	1.44e-04	0.0	57.6	-1.54	-2.90	-9.07e-03	0.0	-5.55e-03	0.11
135	205	-0.96	0.01	-2.43e-05	-5.65	0.0	2.43	-0.19	0.03	0.0	-2.84e-03	-0.96
		-2.70	-2.84e-03	-1.06e-04	0.0	57.6	2.43	-5.85	0.03	0.0	0.01	-2.70
135	208	0.57	-3.52e-03	2.16e-05	-5.65	0.0	-1.45	2.79	-8.54e-03	0.0	-3.52e-03	0.18
		0.15	-7.86e-03	9.06e-05	0.0	57.6	-1.45	-2.87	-8.54e-03	0.0	-7.86e-03	0.15
135	214	-0.40	-0.03	-1.36e-05	-5.65	0.0	0.40	1.36	9.77e-03	0.0	-0.03	-0.50
		-1.32	-0.03	-1.48e-04	0.0	57.6	0.40	-4.30	9.77e-03	0.0	-0.03	-1.32
135	215	-0.22	0.04	7.54e-06	-5.65	0.0	0.58	1.24	0.01	0.0	0.03	-0.29
		-1.23	0.03	1.32e-04	0.0	57.6	0.58	-4.42	0.01	0.0	0.04	-1.23
135	233	-1.05	0.01	-2.74e-05	-5.65	0.0	2.91	-0.44	0.03	0.0	-5.02e-03	-1.05
		-2.92	-5.02e-03	-1.88e-04	0.0	57.6	2.91	-6.09	0.03	0.0	0.01	-2.92
135	236	0.72	-1.35e-03	2.47e-05	-5.65	0.0	-1.93	3.03	-0.01	0.0	-1.35e-03	0.26
		0.26	-7.21e-03	1.73e-04	0.0	57.6	-1.93	-2.62	-0.01	0.0	-7.21e-03	0.37
135	237	-1.07	0.01	-2.84e-05	-5.65	0.0	2.80	-0.47	0.03	0.0	-2.71e-03	-1.07
		-2.97	-2.71e-03	-1.26e-04	0.0	57.6	2.80	-6.12	0.03	0.0	0.01	-2.97
135	240	0.76	-3.66e-03	2.57e-05	-5.65	0.0	-1.82	3.07	-0.01	0.0	-3.66e-03	0.28
		0.28	-9.91e-03	1.11e-04	0.0	57.6	-1.82	-2.59	-0.01	0.0	-9.91e-03	0.42
135	244	-0.47	3.03e-03	-1.22e-05	-7.97	0.0	0.74	1.84	0.01	0.0	-4.40e-03	-0.59
		-1.83	-4.40e-03	-8.18e-06	0.0	57.6	0.74	-6.13	0.01	0.0	3.03e-03	-1.83
135	268	-0.49	3.71e-03	-1.28e-05	-7.97	0.0	0.65	1.79	0.01	0.0	-3.94e-03	-0.60
		-1.87	-3.94e-03	-1.12e-05	0.0	57.6	0.65	-6.18	0.01	0.0	3.71e-03	-1.87
135	271	-0.58	3.65e-03	-1.51e-05	-10.29	0.0	0.87	2.60	0.01	0.0	-3.74e-03	-0.77
		-2.24	-3.74e-03	-1.02e-05	0.0	57.6	0.87	-7.69	0.01	0.0	3.65e-03	-2.24
135	273	-0.30	2.62e-03	-8.71e-06	-5.65	0.0	0.32	1.44	7.80e-03	0.0	-1.88e-03	-0.40
		-1.20	-1.88e-03	-6.43e-06	0.0	57.6	0.32	-4.22	7.80e-03	0.0	2.62e-03	-1.20
135	283	-0.54	2.97e-03	-1.38e-05	-10.29	0.0	1.00	2.67	0.01	0.0	-4.04e-03	-0.74
		-2.17	-4.04e-03	-8.51e-06	0.0	57.6	1.00	-7.62	0.01	0.0	2.97e-03	-2.17
135	285	-0.23	1.47e-03	-6.71e-06	-5.65	0.0	0.54	1.56	6.66e-03	0.0	-2.37e-03	-0.36
		-1.09	-2.37e-03	-3.64e-06	0.0	57.6	0.54	-4.09	6.66e-03	0.0	1.47e-03	-1.09
135	298	-0.32	2.63e-03	-8.62e-06	-5.65	0.0	0.49	1.26	0.01	0.0	-3.35e-03	-0.40
		-1.30	-3.35e-03	-8.13e-06	0.0	57.6	0.49	-4.39	0.01	0.0	2.63e-03	-1.30
135	301	-0.36	2.63e-03	-9.56e-06	-6.58	0.0	0.58	1.58	0.01	0.0	-3.30e-03	-0.46
		-1.45	-3.30e-03	-7.81e-06	0.0	57.6	0.58	-5.01	0.01	0.0	2.63e-03	-1.45
135	306	-0.26	2.01e-03	-7.61e-06	-5.65	0.0	0.44	1.50	7.19e-03	0.0	-2.14e-03	-0.38
		-1.14	-2.14e-03	-4.95e-06	0.0	57.6	0.44	-4.15	7.19e-03	0.0	2.01e-03	-1.14
135	307	-0.32	2.67e-03	-8.71e-06	-5.65	0.0	0.46	1.28	0.01	0.0	-3.12e-03	-0.40
		-1.29	-3.12e-03	-7.99e-06	0.0	57.6	0.46	-4.37	0.01	0.0	2.67e-03	-1.29
135	308	-0.25	1.78e-03	-7.20e-06	-5.65	0.0	0.48	1.53	6.97e-03	0.0	-2.24e-03	-0.37
		-1.12	-2.24e-03	-4.39e-06	0.0	57.6	0.48	-4.13	6.97e-03	0.0	1.78e-03	-1.12
135	309	-0.26	1.85e-03	-7.34e-06	-5.65	0.0	0.47	1.52	7.04e-03	0.0	-2.20e-03	-0.37
		-1.13	-2.20e-03	-4.57e-06	0.0	57.6	0.47	-4.13	7.04e-03	0.0	1.85e-03	-1.13
135	310	-0.31	2.52e-03	-8.44e-06	-5.65	0.0	0.49	1.30	9.91e-03	0.0	-3.18e-03	-0.39
		-1.27	-3.18e-03	-7.62e-06	0.0	57.6	0.49	-4.36	9.91e-03	0.0	2.52e-03	-1.27
136	4	0.45	0.0	-2.74e-05	-11.21	0.0	0.48	4.17	-0.01	0.0	0.0	0.0
		-0.83	-6.41e-03	-1.08e-05	0.0	57.6	0.48	-7.04	-0.01	0.0	-6.41e-03	-0.83
136	33	0.61	0.0	-2.55e-05	-14.68	0.0	0.80	5.58	-5.55e-03	0.0	0.0	0.0

		-1.02	-3.20e-03	-1.30e-05	0.0	57.6	0.80	-9.11	-5.55e-03	0.0	-3.20e-03	-1.02
136	44	0.46	0.0	-2.37e-05	-11.21	0.0	0.41	4.25	-6.82e-03	0.0	0.0	0.0
		-0.78	-3.93e-03	-2.14e-05	0.0	57.6	0.41	-6.96	-6.82e-03	0.0	-3.93e-03	-0.78
136	59	0.58	0.0	-3.18e-05	-14.68	0.0	0.59	5.44	-9.42e-03	0.0	0.0	0.0
		-1.10	-5.43e-03	-1.40e-05	0.0	57.6	0.59	-9.25	-9.42e-03	0.0	-5.43e-03	-1.10
136	71	0.19	0.0	-1.83e-05	-5.27	0.0	-0.11	1.87	-5.52e-03	0.0	0.0	0.0
		-0.44	-3.18e-03	-1.20e-05	0.0	57.6	-0.11	-3.40	-5.52e-03	0.0	-3.18e-03	-0.44
136	81	0.61	0.0	-2.55e-05	-14.68	0.0	0.93	5.57	-7.21e-03	0.0	0.0	0.0
		-1.02	-4.15e-03	-6.27e-06	0.0	57.6	0.93	-9.11	-7.21e-03	0.0	-4.15e-03	-1.02
136	118	0.20	0.0	-1.54e-05	-5.65	0.0	0.98	2.00	-0.05	0.0	0.0	0.0
		-0.48	-0.03	-1.12e-04	0.0	57.6	0.98	-3.65	-0.05	0.0	-0.03	-0.48
136	119	0.26	0.02	-1.24e-05	-5.65	0.0	-0.56	2.28	0.04	0.0	0.0	0.0
		-0.31	0.0	9.75e-05	0.0	57.6	-0.56	-3.37	0.04	0.0	0.02	-0.31
136	129	0.11	0.0	-2.34e-05	-5.65	0.0	2.02	1.44	-9.36e-03	0.0	0.0	0.0
		-0.80	-5.39e-03	-2.48e-04	0.0	57.6	2.02	-4.22	-9.36e-03	0.0	-5.39e-03	-0.80
136	132	0.41	0.0	-6.93e-06	-5.65	0.0	-1.61	2.85	-1.69e-03	0.0	0.0	0.0
		0.0	-9.74e-04	2.33e-04	0.0	57.6	-1.61	-2.81	-1.69e-03	0.0	-9.74e-04	0.01
136	141	0.08	0.0	-2.66e-05	-5.65	0.0	1.63	1.28	-5.17e-03	0.0	0.0	0.0
		-0.89	-2.97e-03	-9.25e-05	0.0	57.6	1.63	-4.37	-5.17e-03	0.0	-2.97e-03	-0.89
136	144	0.46	0.0	7.65e-06	-5.65	0.0	-1.21	3.00	-5.89e-03	0.0	0.0	0.0
		0.0	-3.39e-03	7.80e-05	0.0	57.6	-1.21	-2.65	-5.89e-03	0.0	-3.39e-03	0.10
136	150	0.20	0.0	-1.55e-05	-5.65	0.0	1.07	1.99	-0.05	0.0	0.0	0.0
		-0.48	-0.03	-1.25e-04	0.0	57.6	1.07	-3.67	-0.05	0.0	-0.03	-0.48
136	151	0.27	0.02	-1.22e-05	-5.65	0.0	-0.66	2.30	0.04	0.0	0.0	0.0
		-0.30	0.0	1.10e-04	0.0	57.6	-0.66	-3.35	0.04	0.0	0.02	-0.30
136	161	0.09	0.0	-2.49e-05	-5.65	0.0	2.26	1.34	-9.84e-03	0.0	0.0	0.0
		-0.85	-5.67e-03	-2.80e-04	0.0	57.6	2.26	-4.31	-9.84e-03	0.0	-5.67e-03	-0.85
136	164	0.44	0.0	-6.19e-06	-5.65	0.0	-1.85	2.94	-1.22e-03	0.0	0.0	0.0
		0.0	-7.00e-04	2.65e-04	0.0	57.6	-1.85	-2.71	-1.22e-03	0.0	-7.00e-04	0.07
136	173	0.07	0.0	-2.86e-05	-5.65	0.0	1.81	1.17	-5.10e-03	0.0	0.0	0.0
		-0.95	-2.94e-03	-1.04e-04	0.0	57.6	1.81	-4.48	-5.10e-03	0.0	-2.94e-03	-0.95
136	176	0.49	0.0	9.87e-06	-5.65	0.0	-1.40	3.11	-5.96e-03	0.0	0.0	0.0
		0.0	-3.43e-03	8.95e-05	0.0	57.6	-1.40	-2.54	-5.96e-03	0.0	-3.43e-03	0.17
136	182	0.20	0.0	-1.53e-05	-5.65	0.0	1.06	1.99	-0.05	0.0	0.0	0.0
		-0.48	-0.03	-1.24e-04	0.0	57.6	1.06	-3.66	-0.05	0.0	-0.03	-0.48
136	183	0.27	0.02	-1.24e-05	-5.65	0.0	-0.64	2.30	0.04	0.0	0.0	0.0
		-0.31	0.0	1.09e-04	0.0	57.6	-0.64	-3.36	0.04	0.0	0.02	-0.31
136	193	0.09	0.0	-2.54e-05	-5.65	0.0	2.32	1.32	-9.82e-03	0.0	0.0	0.0
		-0.87	-5.66e-03	-2.90e-04	0.0	57.6	2.32	-4.33	-9.82e-03	0.0	-5.66e-03	-0.87
136	196	0.45	0.0	6.29e-06	-5.65	0.0	-1.91	2.97	-1.23e-03	0.0	0.0	0.0
		0.0	-7.10e-04	2.75e-04	0.0	57.6	-1.91	-2.69	-1.23e-03	0.0	-7.10e-04	0.08
136	205	0.07	0.0	-2.90e-05	-5.65	0.0	1.84	1.15	-4.93e-03	0.0	0.0	0.0
		-0.96	-2.84e-03	-1.08e-04	0.0	57.6	1.84	-4.50	-4.93e-03	0.0	-2.84e-03	-0.96
136	208	0.50	0.0	1.03e-05	-5.65	0.0	-1.43	3.13	-6.12e-03	0.0	0.0	0.0
		0.0	-3.52e-03	9.34e-05	0.0	57.6	-1.43	-2.52	-6.12e-03	0.0	-3.52e-03	0.18
136	214	0.20	0.0	-1.55e-05	-5.65	0.0	1.20	1.96	-0.06	0.0	0.0	0.0
		-0.50	-0.03	-1.43e-04	0.0	57.6	1.20	-3.69	-0.06	0.0	-0.03	-0.50
136	215	0.27	0.03	-1.23e-05	-5.65	0.0	-0.79	2.32	0.05	0.0	0.0	0.0
		-0.29	0.0	1.29e-04	0.0	57.6	-0.79	-3.33	0.05	0.0	0.03	-0.29
136	225	0.07	0.0	-2.82e-05	-5.65	0.0	2.75	1.15	-0.01	0.0	0.0	0.0
		-0.96	-6.06e-03	-3.49e-04	0.0	57.6	2.75	-4.50	-0.01	0.0	-6.06e-03	-0.96
136	228	0.50	0.0	9.46e-06	-5.65	0.0	-2.33	3.13	-5.31e-04	0.0	0.0	0.0
		0.0	-3.06e-04	3.34e-04	0.0	57.6	-2.33	-2.52	-5.31e-04	0.0	-3.06e-04	0.18
136	237	0.05	0.0	-3.26e-05	-5.65	0.0	2.15	0.97	-4.70e-03	0.0	0.0	0.0
		-1.07	-2.71e-03	-1.28e-04	0.0	57.6	2.15	-4.69	-4.70e-03	0.0	-2.71e-03	-1.07
136	240	0.56	0.0	1.40e-05	-5.65	0.0	-1.73	3.32	-6.35e-03	0.0	0.0	0.0
		0.0	-3.66e-03	1.14e-04	0.0	57.6	-1.73	-2.34	-6.35e-03	0.0	-3.66e-03	0.28
136	244	0.32	0.0	-1.93e-05	-7.97	0.0	0.36	2.96	-7.64e-03	0.0	0.0	0.0
		-0.59	-4.40e-03	-7.64e-06	0.0	57.6	0.36	-5.01	-7.64e-03	0.0	-4.40e-03	-0.59
136	257	0.43	0.0	-1.80e-05	-10.29	0.0	0.57	3.90	-3.92e-03	0.0	0.0	0.0
		-0.72	-2.26e-03	-9.11e-06	0.0	57.6	0.57	-6.39	-3.92e-03	0.0	-2.26e-03	-0.72
136	264	0.33	0.0	-1.68e-05	-7.97	0.0	0.31	3.02	-4.77e-03	0.0	0.0	0.0
		-0.56	-2.75e-03	-1.47e-05	0.0	57.6	0.31	-4.95	-4.77e-03	0.0	-2.75e-03	-0.56
136	271	0.41	0.0	-2.22e-05	-10.29	0.0	0.43	3.81	-6.50e-03	0.0	0.0	0.0
		-0.77	-3.74e-03	-9.72e-06	0.0	57.6	0.43	-6.48	-6.50e-03	0.0	-3.74e-03	-0.77
136	275	0.22	0.0	-1.62e-05	-5.65	0.0	0.01	2.08	-5.25e-03	0.0	0.0	0.0
		-0.43	-3.02e-03	-9.61e-06	0.0	57.6	0.01	-3.57	-5.25e-03	0.0	-3.02e-03	-0.43
136	281	0.43	0.0	-1.80e-05	-10.29	0.0	0.66	3.90	-5.02e-03	0.0	0.0	0.0
		-0.72	-2.89e-03	-4.60e-06	0.0	57.6	0.66	-6.39	-5.02e-03	0.0	-2.89e-03	-0.72
136	298	0.23	0.0	-1.43e-05	-5.65	0.0	0.20	2.14	-5.81e-03	0.0	0.0	0.0
		-0.40	-3.35e-03	-7.72e-06	0.0	57.6	0.20	-3.52	-5.81e-03	0.0	-3.35e-03	-0.40
136	299	0.28	0.0	-1.28e-05	-6.58	0.0	0.33	2.52	-4.03e-03	0.0	0.0	0.0
		-0.44	-2.32e-03	-4.48e-06	0.0	57.6	0.33	-4.06	-4.03e-03	0.0	-2.32e-03	-0.44
136	301	0.27	0.0	-1.52e-05	-6.58	0.0	0.28	2.48	-5.73e-03	0.0	0.0	0.0
		-0.46	-3.30e-03	-7.40e-06	0.0	57.6	0.28	-4.10	-5.73e-03	0.0	-3.30e-03	-0.46

136	305	0.24	0.0	-1.37e-05	-5.65	0.0	0.20	2.15	-5.21e-03	0.0	0.0	0.0
		-0.39	-3.00e-03	-8.54e-06	0.0	57.6	0.20	-3.51	-5.21e-03	0.0	-3.00e-03	-0.39
136	307	0.23	0.0	-1.42e-05	-5.65	0.0	0.17	2.13	-5.41e-03	0.0	0.0	0.0
		-0.40	-3.12e-03	-7.61e-06	0.0	57.6	0.17	-3.52	-5.41e-03	0.0	-3.12e-03	-0.40
136	309	0.24	0.0	-1.13e-05	-5.65	0.0	0.26	2.18	-3.83e-03	0.0	0.0	0.0
		-0.37	-2.20e-03	-4.30e-06	0.0	57.6	0.26	-3.47	-3.83e-03	0.0	-2.20e-03	-0.37
136	310	0.23	0.0	-1.38e-05	-5.65	0.0	0.21	2.14	-5.53e-03	0.0	0.0	0.0
		-0.39	-3.18e-03	-7.23e-06	0.0	57.6	0.21	-3.51	-5.53e-03	0.0	-3.18e-03	-0.39
137	4	-4.32e-03	-4.54e-03	9.31e-05	-0.30	0.0	-2.16	0.58	0.01	1.62e-03	-0.01	-0.23
		-0.23	-0.01	-6.15e-06	0.0	52.6	-2.16	0.28	0.01	1.62e-03	-4.54e-03	-4.32e-03
137	16	-0.12	-5.24e-03	3.78e-05	-0.30	0.0	-1.02	0.55	0.03	4.44e-03	-0.02	-0.33
		-0.33	-0.02	-3.12e-06	0.0	52.6	-1.02	0.25	0.03	4.44e-03	-5.24e-03	-0.12
137	44	0.47	0.04	1.16e-04	-0.30	0.0	-1.09	0.23	-0.07	-0.01	0.04	0.42
		0.42	5.49e-03	-3.57e-06	0.0	52.6	-1.09	-0.07	-0.07	-0.01	5.49e-03	0.46
137	45	0.44	0.04	6.14e-05	-0.23	0.0	0.07	0.04	-0.06	-0.01	0.04	0.44
		0.40	6.75e-03	0.0	0.0	52.6	0.07	-0.19	-0.06	-0.01	6.75e-03	0.40
137	47	0.45	0.04	9.60e-05	-0.23	0.0	-0.81	0.10	-0.07	-0.01	0.04	0.44
		0.43	6.18e-03	-2.59e-06	0.0	52.6	-0.81	-0.13	-0.07	-0.01	6.18e-03	0.43
137	122	-4.08	0.22	-1.66e-04	-0.23	0.0	-11.64	1.94	-0.33	3.27e-03	0.22	-5.04
		-5.04	0.05	6.23e-05	0.0	52.6	-11.64	1.71	-0.33	3.27e-03	0.05	-4.08
137	123	4.92	-0.05	2.75e-04	-0.23	0.0	9.58	-1.28	0.32	-5.29e-03	-0.22	4.92
		4.18	-0.22	-6.82e-05	0.0	52.6	9.58	-1.51	0.32	-5.29e-03	-0.05	4.18
137	130	-1.91	0.67	-6.49e-05	-0.23	0.0	-5.72	1.02	-0.98	-5.80e-03	0.67	-2.38
		-2.38	0.15	1.74e-04	0.0	52.6	-5.72	0.79	-0.98	-5.80e-03	0.15	-1.91
137	131	2.26	-0.15	1.74e-04	-0.23	0.0	3.66	-0.36	0.98	3.78e-03	-0.67	2.26
		2.01	-0.67	-1.80e-04	0.0	52.6	3.66	-0.59	0.98	3.78e-03	-0.15	2.01
137	154	-4.60	0.25	-1.94e-04	-0.23	0.0	-12.96	2.14	-0.37	3.80e-03	0.25	-5.66
		-5.66	0.06	7.09e-05	0.0	52.6	-12.96	1.91	-0.37	3.80e-03	0.06	-4.60
137	155	5.53	-0.06	3.03e-04	-0.23	0.0	10.90	-1.48	0.36	-5.82e-03	-0.25	5.53
		4.70	-0.25	-7.67e-05	0.0	52.6	10.90	-1.71	0.36	-5.82e-03	-0.06	4.70
137	162	-2.15	0.75	-8.00e-05	-0.23	0.0	-6.30	1.10	-1.11	-6.40e-03	0.75	-2.67
		-2.67	0.17	1.97e-04	0.0	52.6	-6.30	0.87	-1.11	-6.40e-03	0.17	-2.15
137	163	2.54	-0.17	1.89e-04	-0.23	0.0	4.24	-0.45	1.11	4.38e-03	-0.75	2.54
		2.25	-0.75	-2.03e-04	0.0	52.6	4.24	-0.68	1.11	4.38e-03	-0.17	2.25
137	186	-4.53	0.26	-1.91e-04	-0.23	0.0	-12.77	2.11	-0.38	3.72e-03	0.26	-5.57
		-5.57	0.06	7.27e-05	0.0	52.6	-12.77	1.88	-0.38	3.72e-03	0.06	-4.53
137	187	5.45	-0.06	3.00e-04	-0.23	0.0	10.72	-1.45	0.37	-5.74e-03	-0.26	5.45
		4.63	-0.26	-7.86e-05	0.0	52.6	10.72	-1.68	0.37	-5.74e-03	-0.06	4.63
137	194	-2.13	0.78	-8.02e-05	-0.23	0.0	-6.22	1.09	-1.15	-6.36e-03	0.78	-2.64
		-2.64	0.17	2.05e-04	0.0	52.6	-6.22	0.86	-1.15	-6.36e-03	0.17	-2.13
137	195	2.51	-0.18	1.89e-04	-0.23	0.0	4.16	-0.43	1.15	4.34e-03	-0.78	2.51
		2.23	-0.78	-2.11e-04	0.0	52.6	4.16	-0.67	1.15	4.34e-03	-0.18	2.23
137	218	-5.28	0.31	-2.31e-04	-0.23	0.0	-14.70	2.40	-0.45	4.45e-03	0.31	-6.48
		-6.48	0.07	8.74e-05	0.0	52.6	-14.70	2.17	-0.45	4.45e-03	0.07	-5.28
137	219	6.36	-0.07	3.40e-04	-0.23	0.0	12.64	-1.74	0.45	-6.46e-03	-0.31	6.36
		5.38	-0.31	-9.32e-05	0.0	52.6	12.64	-1.98	0.45	-6.46e-03	-0.07	5.38
137	226	-2.51	0.94	-1.05e-04	-0.23	0.0	-7.13	1.22	-1.39	-7.37e-03	0.94	-3.09
		-3.09	0.21	2.48e-04	0.0	52.6	-7.13	0.99	-1.39	-7.37e-03	0.21	-2.51
137	227	2.97	-0.21	2.14e-04	-0.23	0.0	5.07	-0.57	1.38	5.36e-03	-0.94	2.97
		2.61	-0.94	-2.54e-04	0.0	52.6	5.07	-0.80	1.38	5.36e-03	-0.21	2.61
137	244	-1.28e-03	-3.09e-03	6.49e-05	-0.23	0.0	-1.47	0.42	9.27e-03	1.00e-03	-7.81e-03	-0.16
		-0.16	-7.81e-03	-4.25e-06	0.0	52.6	-1.47	0.19	9.27e-03	1.00e-03	-3.09e-03	-1.28e-03
137	249	-0.08	-3.56e-03	2.80e-05	-0.23	0.0	-0.72	0.40	0.02	2.88e-03	-0.01	-0.23
		-0.23	-0.01	-2.23e-06	0.0	52.6	-0.72	0.17	0.02	2.88e-03	-3.56e-03	-0.08
137	261	0.29	0.03	5.43e-05	-0.23	0.0	-0.17	0.13	-0.04	-8.76e-03	0.03	0.27
		0.27	4.17e-03	0.0	0.0	52.6	-0.17	-0.10	-0.04	-8.76e-03	4.17e-03	0.28
137	263	0.30	0.03	7.74e-05	-0.23	0.0	-0.75	0.17	-0.04	-8.96e-03	0.03	0.27
		0.27	3.79e-03	-2.34e-06	0.0	52.6	-0.75	-0.06	-0.04	-8.96e-03	3.79e-03	0.30
137	264	0.31	0.03	8.04e-05	-0.23	0.0	-0.76	0.19	-0.04	-9.21e-03	0.03	0.27
		0.27	3.59e-03	-2.53e-06	0.0	52.6	-0.76	-0.04	-0.04	-9.21e-03	3.59e-03	0.31
137	298	0.05	2.26e-04	5.79e-05	-0.23	0.0	-1.11	0.33	-2.96e-03	-1.04e-03	2.26e-04	-0.06
		-0.06	-1.23e-03	-3.16e-06	0.0	52.6	-1.11	0.10	-2.96e-03	-1.04e-03	-1.23e-03	0.05
137	302	6.63e-03	-1.35e-03	3.28e-05	-0.23	0.0	-0.57	0.31	2.50e-03	-4.10e-05	-2.65e-03	-0.10
		-0.10	-2.65e-03	-1.71e-06	0.0	52.6	-0.57	0.08	2.50e-03	-4.10e-05	-1.35e-03	6.63e-03
137	304	0.08	5.10e-03	3.87e-05	-0.23	0.0	-0.46	0.26	-9.94e-03	-2.42e-03	5.10e-03	3.31e-03
		3.31e-03	1.54e-04	-1.46e-06	0.0	52.6	-0.46	0.03	-9.94e-03	-2.42e-03	1.54e-04	0.08
137	305	0.10	5.35e-03	5.85e-05	-0.23	0.0	-0.96	0.29	-0.01	-2.59e-03	5.35e-03	4.99e-03
		4.99e-03	-1.69e-04	-2.77e-06	0.0	52.6	-0.96	0.06	-0.01	-2.59e-03	-1.69e-04	0.10
137	309	0.03	-6.60e-05	3.48e-05	-0.23	0.0	-0.53	0.30	-1.65e-03	-8.33e-04	-6.60e-05	-0.06
		-0.06	-8.49e-04	-1.62e-06	0.0	52.6	-0.53	0.07	-1.65e-03	-8.33e-04	-8.49e-04	0.03
137	310	0.05	1.85e-04	5.46e-05	-0.23	0.0	-1.03	0.33	-2.77e-03	-1.01e-03	1.85e-04	-0.06
		-0.06	-1.17e-03	-2.94e-06	0.0	52.6	-1.03	0.10	-2.77e-03	-1.01e-03	-1.17e-03	0.05
138	3	0.01	0.0	9.25e-05	-0.30	0.0	-0.60	0.19	8.76e-03	0.0	-4.60e-03	-0.02
		-0.02	-4.60e-03	-6.29e-06	0.0	52.6	-0.60	-0.11	8.76e-03	0.0	0.0	0.0
138	18	0.0	0.0	7.52e-05	-0.30	0.0	-0.47	0.33	0.01	0.0	-6.46e-03	-0.09

		-0.09	-6.46e-03	-5.99e-06	0.0	52.6	-0.47	0.03	0.01	0.0	0.0	0.0
138	19	0.0	0.0	1.66e-05	-0.23	0.0	-0.12	0.42	0.01	0.0	-5.29e-03	-0.16
		-0.16	-5.29e-03	-2.58e-06	0.0	52.6	-0.12	0.19	0.01	0.0	0.0	0.0
138	44	0.46	7.29e-03	1.31e-04	-0.30	0.0	-0.11	-0.73	-0.01	0.0	7.29e-03	0.46
		0.0	0.0	-3.06e-06	0.0	52.6	-0.11	-1.03	-0.01	0.0	0.0	0.0
138	45	0.40	8.47e-03	7.20e-05	-0.23	0.0	0.24	-0.64	-0.02	0.0	8.47e-03	0.40
		0.0	0.0	0.0	0.0	52.6	0.24	-0.87	-0.02	0.0	0.0	0.0
138	46	0.41	8.20e-03	7.74e-05	-0.23	0.0	0.28	-0.67	-0.02	0.0	8.20e-03	0.41
		0.0	0.0	0.0	0.0	52.6	0.28	-0.90	-0.02	0.0	0.0	0.0
138	122	0.0	0.05	-2.60e-04	-0.23	0.0	-3.39	7.88	-0.09	0.0	0.05	-4.08
		-4.08	0.0	6.30e-05	0.0	52.6	-3.39	7.65	-0.09	0.0	0.0	0.0
138	123	4.18	0.0	3.77e-04	-0.23	0.0	2.96	-7.84	0.10	0.0	-0.05	4.18
		0.0	-0.05	-6.91e-05	0.0	52.6	2.96	-8.07	0.10	0.0	0.0	0.0
138	130	0.0	0.15	-1.08e-04	-0.23	0.0	-1.62	3.74	-0.29	0.0	0.15	-1.91
		-1.91	0.0	1.84e-04	0.0	52.6	-1.62	3.51	-0.29	0.0	0.0	0.0
138	131	2.01	0.0	2.25e-04	-0.23	0.0	1.19	-3.70	0.29	0.0	-0.15	2.01
		0.0	-0.15	-1.90e-04	0.0	52.6	1.19	-3.93	0.29	0.0	0.0	0.0
138	154	0.0	0.06	-3.00e-04	-0.23	0.0	-3.78	8.86	-0.11	0.0	0.06	-4.60
		-4.60	0.0	7.16e-05	0.0	52.6	-3.78	8.63	-0.11	0.0	0.0	0.0
138	155	4.70	0.0	4.17e-04	-0.23	0.0	3.35	-8.82	0.11	0.0	-0.06	4.70
		0.0	-0.06	-7.78e-05	0.0	52.6	3.35	-9.05	0.11	0.0	0.0	0.0
138	162	0.0	0.17	-1.29e-04	-0.23	0.0	-1.79	4.20	-0.33	0.0	0.17	-2.15
		-2.15	0.0	2.08e-04	0.0	52.6	-1.79	3.97	-0.33	0.0	0.0	0.0
138	163	2.25	0.0	2.46e-04	-0.23	0.0	1.36	-4.16	0.33	0.0	-0.17	2.25
		0.0	-0.17	-2.15e-04	0.0	52.6	1.36	-4.39	0.33	0.0	0.0	0.0
138	186	0.0	0.06	-2.95e-04	-0.23	0.0	-3.73	8.73	-0.11	0.0	0.06	-4.53
		-4.53	0.0	7.38e-05	0.0	52.6	-3.73	8.50	-0.11	0.0	0.0	0.0
138	187	4.63	0.0	4.12e-04	-0.23	0.0	3.29	-8.69	0.11	0.0	-0.06	4.63
		0.0	-0.06	-7.99e-05	0.0	52.6	3.29	-8.92	0.11	0.0	0.0	0.0
138	194	0.0	0.18	-1.29e-04	-0.23	0.0	-1.77	4.16	-0.34	0.0	0.18	-2.13
		-2.13	0.0	2.17e-04	0.0	52.6	-1.77	3.93	-0.34	0.0	0.0	0.0
138	195	2.23	0.0	2.46e-04	-0.23	0.0	1.34	-4.12	0.34	0.0	-0.18	2.23
		0.0	-0.18	-2.23e-04	0.0	52.6	1.34	-4.35	0.34	0.0	0.0	0.0
138	218	0.0	0.07	-3.53e-04	-0.23	0.0	-4.30	10.16	-0.13	0.0	0.07	-5.28
		-5.28	0.0	8.89e-05	0.0	52.6	-4.30	9.93	-0.13	0.0	0.0	0.0
138	219	5.38	0.0	4.70e-04	-0.23	0.0	3.87	-10.12	0.13	0.0	-0.07	5.38
		0.0	-0.07	-9.50e-05	0.0	52.6	3.87	-10.35	0.13	0.0	0.0	0.0
138	226	0.0	0.21	-1.63e-04	-0.23	0.0	-2.04	4.90	-0.41	0.0	0.21	-2.51
		-2.51	0.0	2.62e-04	0.0	52.6	-2.04	4.67	-0.41	0.0	0.0	0.0
138	227	2.61	0.0	2.80e-04	-0.23	0.0	1.61	-4.86	0.41	0.0	-0.22	2.61
		0.0	-0.22	-2.69e-04	0.0	52.6	1.61	-5.09	0.41	0.0	0.0	0.0
138	243	9.75e-03	0.0	6.48e-05	-0.23	0.0	-0.39	0.14	5.95e-03	0.0	-3.13e-03	-0.01
		-0.01	-3.13e-03	-4.35e-06	0.0	52.6	-0.39	-0.09	5.95e-03	0.0	0.0	0.0
138	248	0.0	0.0	2.56e-05	-0.23	0.0	-0.10	0.29	7.28e-03	0.0	-3.83e-03	-0.09
		-0.09	-3.83e-03	-2.36e-06	0.0	52.6	-0.10	0.06	7.28e-03	0.0	0.0	0.0
138	251	0.0	0.0	5.33e-05	-0.23	0.0	-0.30	0.23	8.31e-03	0.0	-4.37e-03	-0.06
		-0.06	-4.37e-03	-4.15e-06	0.0	52.6	-0.30	-1.21e-03	8.31e-03	0.0	0.0	0.0
138	261	0.28	5.34e-03	6.25e-05	-0.23	0.0	0.14	-0.41	-0.01	0.0	5.34e-03	0.28
		0.0	0.0	0.0	0.0	52.6	0.14	-0.65	-0.01	0.0	0.0	0.0
138	262	0.29	5.17e-03	6.62e-05	-0.23	0.0	0.17	-0.44	-9.83e-03	0.0	5.17e-03	0.29
		0.0	0.0	0.0	0.0	52.6	0.17	-0.67	-9.83e-03	0.0	0.0	0.0
138	264	0.31	4.80e-03	9.02e-05	-0.23	0.0	-0.06	-0.48	-9.14e-03	0.0	4.80e-03	0.31
		0.0	0.0	-2.20e-06	0.0	52.6	-0.06	-0.71	-9.14e-03	0.0	0.0	0.0
138	298	0.05	0.0	6.19e-05	-0.23	0.0	-0.25	0.01	2.16e-03	0.0	-1.14e-03	0.05
		0.0	-1.14e-03	-3.29e-06	0.0	52.6	-0.25	-0.22	2.16e-03	0.0	0.0	0.0
138	303	0.03	0.0	5.60e-05	-0.23	0.0	-0.23	0.07	3.23e-03	0.0	-1.70e-03	0.03
		0.0	-1.70e-03	-3.19e-06	0.0	52.6	-0.23	-0.16	3.23e-03	0.0	0.0	0.0
138	304	0.08	4.52e-04	4.29e-05	-0.23	0.0	0.01	-0.04	-8.60e-04	0.0	4.52e-04	0.08
		0.0	0.0	-1.45e-06	0.0	52.6	0.01	-0.27	-8.60e-04	0.0	0.0	0.0
138	305	0.10	1.38e-04	6.34e-05	-0.23	0.0	-0.18	-0.07	-2.63e-04	0.0	1.38e-04	0.10
		0.0	0.0	-2.80e-06	0.0	52.6	-0.18	-0.30	-2.63e-04	0.0	0.0	0.0
138	309	0.03	0.0	3.79e-05	-0.23	0.0	-0.02	0.06	1.47e-03	0.0	-7.70e-04	0.03
		0.0	-7.70e-04	-1.71e-06	0.0	52.6	-0.02	-0.18	1.47e-03	0.0	0.0	0.0
138	310	0.05	0.0	5.85e-05	-0.23	0.0	-0.22	0.02	2.06e-03	0.0	-1.08e-03	0.05
		0.0	-1.08e-03	-3.06e-06	0.0	52.6	-0.22	-0.21	2.06e-03	0.0	0.0	0.0
139	11	-4.39	1.05e-03	1.77e-04	-6.27	0.0	3.08	5.58	4.20e-03	0.0	-1.43e-03	-5.86
		-5.86	-1.43e-03	-1.18e-05	0.0	59.1	3.08	-0.69	4.20e-03	0.0	1.05e-03	-4.41
139	35	-4.32	1.31e-03	1.88e-04	-6.27	0.0	3.03	5.77	4.33e-03	0.0	-1.25e-03	-5.89
		-5.89	-1.25e-03	-1.88e-05	0.0	59.1	3.03	-0.50	4.33e-03	0.0	1.31e-03	-4.33
139	45	-1.47	6.76e-04	7.77e-05	-2.33	0.0	1.02	2.25	1.65e-03	0.0	-2.96e-04	-2.11
		-2.11	-2.96e-04	-1.25e-05	0.0	59.1	1.02	-0.08	1.65e-03	0.0	6.76e-04	-1.47
139	59	-4.38	3.30e-03	1.81e-04	-6.27	0.0	3.06	5.62	8.03e-03	0.0	-1.44e-03	-5.86
		-5.86	-1.44e-03	-1.46e-05	0.0	59.1	3.06	-0.65	8.03e-03	0.0	3.30e-03	-4.39
139	68	-3.61	4.58e-03	1.70e-04	-4.83	0.0	2.52	4.10	9.98e-03	0.0	-1.31e-03	-4.64
		-4.64	-1.31e-03	-1.43e-05	0.0	59.1	2.52	-0.73	9.98e-03	0.0	4.58e-03	-3.64

139	122	-1.81	-2.59e-04	4.08e-05	-2.49	0.0	0.57	0.46	-0.03	0.0	-2.59e-04	-1.82
		-2.35	-0.02	4.72e-05	0.0	59.1	0.57	-2.03	-0.03	0.0	-0.02	-2.35
139	123	-1.64	0.02	1.70e-04	-2.49	0.0	2.19	3.52	0.03	0.0	-1.13e-03	-3.05
		-3.05	-1.13e-03	-6.41e-05	0.0	59.1	2.19	1.03	0.03	0.0	0.02	-1.64
139	124	-1.57	-5.98e-05	1.51e-04	-2.49	0.0	2.00	3.81	-0.04	0.0	-5.98e-05	-3.22
		-3.22	-0.02	5.36e-05	0.0	59.1	2.00	1.31	-0.04	0.0	-0.02	-1.57
139	128	-1.58	-8.92e-05	1.55e-04	-2.49	0.0	2.13	3.86	-0.04	0.0	-8.92e-05	-3.25
		-3.25	-0.02	1.79e-05	0.0	59.1	2.13	1.37	-0.04	0.0	-0.02	-1.58
139	129	-1.91	0.07	1.27e-04	-2.49	0.0	1.58	1.23	0.12	0.0	-2.62e-03	-2.02
		-2.18	-2.62e-03	-2.13e-04	0.0	59.1	1.58	-1.26	0.12	0.0	0.07	-2.18
139	132	-1.82	1.23e-03	8.39e-05	-2.49	0.0	1.18	2.75	-0.12	0.0	1.23e-03	-2.85
		-2.85	-0.07	1.96e-04	0.0	59.1	1.18	0.26	-0.12	0.0	-0.07	-1.82
139	154	-1.75	-2.00e-04	3.27e-05	-2.49	0.0	0.47	0.27	-0.03	0.0	-2.00e-04	-1.75
		-2.40	-0.02	5.47e-05	0.0	59.1	0.47	-2.22	-0.03	0.0	-0.02	-2.40
139	155	-1.60	0.02	1.79e-04	-2.49	0.0	2.28	3.71	0.04	0.0	-1.19e-03	-3.12
		-3.12	-1.19e-03	-7.15e-05	0.0	59.1	2.28	1.22	0.04	0.0	0.02	-1.60
139	156	-1.52	2.38e-05	1.57e-04	-2.49	0.0	2.08	4.03	-0.04	0.0	2.38e-05	-3.32
		-3.32	-0.02	6.19e-05	0.0	59.1	2.08	1.54	-0.04	0.0	-0.02	-1.52
139	160	-1.53	-1.03e-05	1.61e-04	-2.49	0.0	2.22	4.10	-0.04	0.0	-1.03e-05	-3.35
		-3.35	-0.02	2.14e-05	0.0	59.1	2.22	1.61	-0.04	0.0	-0.02	-1.53
139	161	-1.88	0.08	1.30e-04	-2.49	0.0	1.61	1.14	0.14	0.0	-2.87e-03	-1.97
		-2.20	-2.87e-03	-2.40e-04	0.0	59.1	1.61	-1.35	0.14	0.0	0.08	-2.20
139	164	-1.80	1.48e-03	8.10e-05	-2.49	0.0	1.15	2.84	-0.14	0.0	1.48e-03	-2.90
		-2.90	-0.08	2.24e-04	0.0	59.1	1.15	0.35	-0.14	0.0	-0.08	-1.80
139	186	-1.77	-1.76e-04	3.34e-05	-2.49	0.0	0.49	0.30	-0.03	0.0	-1.76e-04	-1.77
		-2.38	-0.02	5.74e-05	0.0	59.1	0.49	-2.20	-0.03	0.0	-0.02	-2.38
139	187	-1.61	0.02	1.78e-04	-2.49	0.0	2.27	3.68	0.04	0.0	-1.22e-03	-3.10
		-3.10	-1.22e-03	-7.42e-05	0.0	59.1	2.27	1.19	0.04	0.0	0.02	-1.61
139	188	-1.54	4.30e-05	1.56e-04	-2.49	0.0	2.07	3.99	-0.04	0.0	4.30e-05	-3.29
		-3.29	-0.03	6.47e-05	0.0	59.1	2.07	1.50	-0.04	0.0	-0.03	-1.54
139	192	-1.54	1.55e-06	1.60e-04	-2.49	0.0	2.20	4.07	-0.04	0.0	1.55e-06	-3.33
		-3.33	-0.02	2.24e-05	0.0	59.1	2.20	1.58	-0.04	0.0	-0.02	-1.54
139	193	-1.89	0.08	1.31e-04	-2.49	0.0	1.60	1.16	0.15	0.0	-2.95e-03	-1.98
		-2.19	-2.95e-03	-2.52e-04	0.0	59.1	1.60	-1.33	0.15	0.0	0.08	-2.19
139	196	-1.81	1.56e-03	7.97e-05	-2.49	0.0	1.15	2.82	-0.14	0.0	1.56e-03	-2.89
		-2.89	-0.08	2.35e-04	0.0	59.1	1.15	0.33	-0.14	0.0	-0.08	-1.81
139	218	-1.67	-6.46e-05	2.13e-05	-2.49	0.0	0.34	0.02	-0.04	0.0	-6.46e-05	-1.67
		-2.45	-0.02	7.10e-05	0.0	59.1	0.34	-2.47	-0.04	0.0	-0.02	-2.45
139	219	-1.55	0.02	1.90e-04	-2.49	0.0	2.41	3.96	0.04	0.0	-1.33e-03	-3.21
		-3.21	-1.33e-03	-8.78e-05	0.0	59.1	2.41	1.47	0.04	0.0	0.02	-1.55
139	221	-1.40	0.03	4.24e-05	-2.49	0.0	0.42	-0.43	0.05	0.0	-1.52e-03	-1.40
		-2.52	-1.52e-03	-4.53e-05	0.0	59.1	0.42	-2.92	0.05	0.0	0.03	-2.52
139	224	-1.47	1.31e-04	1.69e-04	-2.49	0.0	2.33	4.41	-0.05	0.0	1.31e-04	-3.47
		-3.47	-0.03	2.84e-05	0.0	59.1	2.33	1.92	-0.05	0.0	-0.03	-1.47
139	225	-1.84	0.10	1.37e-04	-2.49	0.0	1.65	1.02	0.17	0.0	-3.41e-03	-1.90
		-2.22	-3.41e-03	-3.04e-04	0.0	59.1	1.65	-1.47	0.17	0.0	0.10	-2.22
139	228	-1.77	2.02e-03	7.42e-05	-2.49	0.0	1.11	2.96	-0.17	0.0	2.02e-03	-2.98
		-2.98	-0.10	2.87e-04	0.0	59.1	1.11	0.47	-0.17	0.0	-0.10	-1.77
139	247	-3.07	7.35e-04	1.24e-04	-4.41	0.0	2.15	3.92	2.94e-03	0.0	-1.00e-03	-4.10
		-4.10	-1.00e-03	-8.35e-06	0.0	59.1	2.15	-0.49	2.94e-03	0.0	7.35e-04	-3.08
139	259	-3.02	9.07e-04	1.31e-04	-4.41	0.0	2.12	4.04	3.03e-03	0.0	-8.79e-04	-4.12
		-4.12	-8.79e-04	-1.30e-05	0.0	59.1	2.12	-0.37	3.03e-03	0.0	9.07e-04	-3.03
139	261	-1.62	6.11e-04	7.90e-05	-2.49	0.0	1.12	2.32	1.72e-03	0.0	-4.02e-04	-2.26
		-2.26	-4.02e-04	-1.02e-05	0.0	59.1	1.12	-0.17	1.72e-03	0.0	6.11e-04	-1.62
139	271	-3.06	2.23e-03	1.27e-04	-4.41	0.0	2.14	3.94	5.49e-03	0.0	-1.01e-03	-4.10
		-4.10	-1.01e-03	-1.02e-05	0.0	59.1	2.14	-0.46	5.49e-03	0.0	2.23e-03	-3.07
139	276	-2.55	3.09e-03	1.20e-04	-3.45	0.0	1.78	2.93	6.79e-03	0.0	-9.23e-04	-3.28
		-3.28	-9.23e-04	-9.98e-06	0.0	59.1	1.78	-0.52	6.79e-03	0.0	3.09e-03	-2.57
139	301	-2.18	6.02e-04	1.09e-04	-2.87	0.0	1.52	2.39	2.28e-03	0.0	-7.44e-04	-2.76
		-2.76	-7.44e-04	-8.60e-06	0.0	59.1	1.52	-0.48	2.28e-03	0.0	6.02e-04	-2.20
139	304	-1.65	4.58e-04	7.29e-05	-2.49	0.0	1.15	2.21	1.64e-03	0.0	-5.12e-04	-2.24
		-2.24	-5.12e-04	-6.02e-06	0.0	59.1	1.15	-0.28	1.64e-03	0.0	4.58e-04	-1.66
139	307	-1.97	1.04e-03	1.06e-04	-2.49	0.0	1.38	1.99	2.97e-03	0.0	-7.13e-04	-2.44
		-2.44	-7.13e-04	-8.52e-06	0.0	59.1	1.38	-0.51	2.97e-03	0.0	1.04e-03	-2.00
139	309	-1.66	4.20e-04	7.13e-05	-2.49	0.0	1.16	2.19	1.62e-03	0.0	-5.40e-04	-2.23
		-2.23	-5.40e-04	-4.99e-06	0.0	59.1	1.16	-0.30	1.62e-03	0.0	4.20e-04	-1.67
139	310	-1.97	5.60e-04	1.06e-04	-2.49	0.0	1.38	1.99	2.13e-03	0.0	-6.97e-04	-2.44
		-2.44	-6.97e-04	-8.42e-06	0.0	59.1	1.38	-0.50	2.13e-03	0.0	5.60e-04	-2.00
140	11	-3.24	1.05e-03	1.23e-04	-5.58	0.0	1.85	5.00	-5.66e-03	0.0	1.05e-03	-4.41
		-4.41	-1.93e-03	-1.04e-05	0.0	52.6	1.85	-0.58	-5.66e-03	0.0	-1.93e-03	-3.25
140	19	-1.24	2.45e-04	4.18e-05	-2.08	0.0	0.66	1.69	-1.65e-03	0.0	2.45e-04	-1.60
		-1.60	-6.24e-04	0.0	0.0	52.6	0.66	-0.39	-1.65e-03	0.0	-6.24e-04	-1.25
140	35	-3.09	1.31e-03	1.34e-04	-5.58	0.0	1.88	5.15	-6.44e-03	0.0	1.31e-03	-4.33
		-4.33	-2.08e-03	-1.66e-05	0.0	52.6	1.88	-0.43	-6.44e-03	0.0	-2.08e-03	-3.10
140	45	-0.99	6.76e-04	5.87e-05	-2.08	0.0	0.70	1.94	-2.95e-03	0.0	6.76e-04	-1.47

		-1.47	-8.74e-04	-1.10e-05	0.0	52.6	0.70	-0.14	-2.95e-03	0.0	-8.74e-04	-1.00
140	68	-2.70	4.58e-03	1.20e-04	-4.30	0.0	1.59	3.92	-0.01	0.0	4.58e-03	-3.64
		-3.64	-1.71e-03	-1.22e-05	0.0	52.6	1.59	-0.38	-0.01	0.0	-1.71e-03	-2.71
140	122	-2.35	-1.99e-03	1.82e-05	-2.22	0.0	1.35	0.10	0.03	0.0	-0.02	-2.35
		-2.90	-0.02	4.00e-05	0.0	52.6	1.35	-2.12	0.03	0.0	-1.99e-03	-2.90
140	123	-0.24	0.02	1.35e-04	-2.22	0.0	0.50	3.75	-0.03	0.0	0.02	-1.64
		-1.64	-8.08e-05	-5.49e-05	0.0	52.6	0.50	1.53	-0.03	0.0	-8.08e-05	-0.24
140	129	-0.82	0.07	7.78e-05	-2.22	0.0	0.82	3.32	-0.13	0.0	0.07	-2.18
		-2.18	4.90e-04	-1.85e-04	0.0	52.6	0.82	1.10	-0.13	0.0	4.90e-04	-0.82
140	132	-1.81	-2.56e-03	7.52e-05	-2.22	0.0	1.03	0.53	0.13	0.0	-0.07	-1.82
		-2.32	-0.07	1.70e-04	0.0	52.6	1.03	-1.69	0.13	0.0	-2.56e-03	-2.32
140	154	-2.40	-2.11e-03	1.10e-05	-2.22	0.0	1.40	-0.13	0.03	0.0	-0.02	-2.40
		-3.07	-0.02	4.64e-05	0.0	52.6	1.40	-2.35	0.03	0.0	-2.11e-03	-3.07
140	155	-0.07	0.02	1.42e-04	-2.22	0.0	0.45	3.98	-0.04	0.0	0.02	-1.60
		-1.60	4.03e-05	-6.12e-05	0.0	52.6	0.45	1.76	-0.04	0.0	4.03e-05	-0.07
140	161	-0.72	0.08	7.80e-05	-2.22	0.0	0.81	3.51	-0.15	0.0	0.08	-2.20
		-2.20	6.89e-04	-2.09e-04	0.0	52.6	0.81	1.29	-0.15	0.0	6.89e-04	-0.72
140	164	-1.80	-2.76e-03	7.50e-05	-2.22	0.0	1.04	0.34	0.14	0.0	-0.08	-1.80
		-2.42	-0.08	1.94e-04	0.0	52.6	1.04	-1.88	0.14	0.0	-2.76e-03	-2.42
140	186	-2.38	-2.11e-03	1.20e-05	-2.22	0.0	1.39	-0.12	0.03	0.0	-0.02	-2.38
		-3.06	-0.02	4.87e-05	0.0	52.6	1.39	-2.34	0.03	0.0	-2.11e-03	-3.06
140	187	-0.08	0.02	1.41e-04	-2.22	0.0	0.45	3.97	-0.04	0.0	0.02	-1.61
		-1.61	4.11e-05	-6.36e-05	0.0	52.6	0.45	1.75	-0.04	0.0	4.11e-05	-0.08
140	193	-0.68	0.08	7.82e-05	-2.22	0.0	0.80	3.58	-0.16	0.0	0.08	-2.19
		-2.19	7.29e-04	-2.18e-04	0.0	52.6	0.80	1.36	-0.16	0.0	7.29e-04	-0.68
140	196	-1.81	-2.80e-03	7.48e-05	-2.22	0.0	1.04	0.27	0.15	0.0	-0.08	-1.81
		-2.46	-0.08	2.03e-04	0.0	52.6	1.04	-1.95	0.15	0.0	-2.80e-03	-2.46
140	218	-2.45	-2.31e-03	1.50e-06	-2.22	0.0	1.47	-0.48	0.04	0.0	-0.02	-2.45
		-3.31	-0.02	6.04e-05	0.0	52.6	1.47	-2.70	0.04	0.0	-2.31e-03	-3.31
140	219	0.17	0.02	1.52e-04	-2.22	0.0	0.38	4.33	-0.05	0.0	0.02	-1.55
		-1.55	2.38e-04	-7.52e-05	0.0	52.6	0.38	2.11	-0.05	0.0	2.38e-04	0.17
140	225	-0.49	0.10	7.88e-05	-2.22	0.0	0.78	3.93	-0.19	0.0	0.10	-2.22
		-2.22	1.09e-03	-2.63e-04	0.0	52.6	0.78	1.71	-0.19	0.0	1.09e-03	-0.49
140	228	-1.77	-3.16e-03	7.42e-05	-2.22	0.0	1.07	-0.08	0.18	0.0	-0.10	-1.77
		-2.65	-0.10	2.48e-04	0.0	52.6	1.07	-2.30	0.18	0.0	-3.16e-03	-2.65
140	247	-2.26	7.35e-04	8.68e-05	-3.92	0.0	1.30	3.49	-3.96e-03	0.0	7.35e-04	-3.08
		-3.08	-1.35e-03	-7.35e-06	0.0	52.6	1.30	-0.43	-3.96e-03	0.0	-1.35e-03	-2.28
140	248	-1.30	3.24e-04	4.72e-05	-2.22	0.0	0.72	1.85	-1.96e-03	0.0	3.24e-04	-1.70
		-1.70	-7.08e-04	-2.09e-06	0.0	52.6	0.72	-0.37	-1.96e-03	0.0	-7.08e-04	-1.31
140	259	-2.17	9.07e-04	9.35e-05	-3.92	0.0	1.31	3.59	-4.48e-03	0.0	9.07e-04	-3.03
		-3.03	-1.45e-03	-1.15e-05	0.0	52.6	1.31	-0.33	-4.48e-03	0.0	-1.45e-03	-2.17
140	261	-1.14	6.11e-04	5.85e-05	-2.22	0.0	0.74	2.02	-2.82e-03	0.0	6.11e-04	-1.62
		-1.62	-8.74e-04	-8.98e-06	0.0	52.6	0.74	-0.20	-2.82e-03	0.0	-8.74e-04	-1.14
140	276	-1.91	3.09e-03	8.46e-05	-3.07	0.0	1.12	2.78	-8.17e-03	0.0	3.09e-03	-2.57
		-2.57	-1.21e-03	-8.54e-06	0.0	52.6	1.12	-0.29	-8.17e-03	0.0	-1.21e-03	-1.92
140	301	-1.68	6.02e-04	7.82e-05	-2.56	0.0	0.99	2.24	-3.23e-03	0.0	6.02e-04	-2.20
		-2.20	-1.10e-03	-7.58e-06	0.0	52.6	0.99	-0.32	-3.23e-03	0.0	-1.10e-03	-1.69
140	302	-1.25	4.00e-04	5.02e-05	-2.22	0.0	0.72	1.90	-2.19e-03	0.0	4.00e-04	-1.68
		-1.68	-7.52e-04	-3.93e-06	0.0	52.6	0.72	-0.32	-2.19e-03	0.0	-7.52e-04	-1.27
140	304	-1.22	4.58e-04	5.25e-05	-2.22	0.0	0.73	1.93	-2.36e-03	0.0	4.58e-04	-1.66
		-1.66	-7.85e-04	-5.31e-06	0.0	52.6	0.73	-0.29	-2.36e-03	0.0	-7.85e-04	-1.23
140	307	-1.56	1.04e-03	7.64e-05	-2.22	0.0	0.92	1.93	-3.94e-03	0.0	1.04e-03	-2.00
		-2.00	-1.03e-03	-7.47e-06	0.0	52.6	0.92	-0.28	-3.94e-03	0.0	-1.03e-03	-1.57
140	309	-1.24	4.20e-04	5.10e-05	-2.22	0.0	0.73	1.91	-2.25e-03	0.0	4.20e-04	-1.67
		-1.67	-7.63e-04	-4.39e-06	0.0	52.6	0.73	-0.31	-2.25e-03	0.0	-7.63e-04	-1.26
140	310	-1.56	5.60e-04	7.65e-05	-2.22	0.0	0.92	1.92	-3.04e-03	0.0	5.60e-04	-2.00
		-2.00	-1.04e-03	-7.42e-06	0.0	52.6	0.92	-0.29	-3.04e-03	0.0	-1.04e-03	-1.57
141	3	-1.97	-1.68e-03	1.10e-04	-3.03	0.0	0.61	2.59	-0.02	0.0	-1.68e-03	-2.55
		-2.55	-0.01	-1.16e-05	0.0	52.6	0.61	-0.44	-0.02	0.0	-0.01	-1.99
141	11	-2.32	-1.93e-03	1.04e-04	-5.58	0.0	0.52	4.45	-0.02	0.0	-1.93e-03	-3.25
		-3.25	-0.01	-1.06e-05	0.0	52.6	0.52	-1.13	-0.02	0.0	-0.01	-2.38
141	19	-0.96	-6.24e-04	3.39e-05	-2.08	0.0	0.26	1.52	-7.99e-03	0.0	-6.24e-04	-1.25
		-1.25	-4.83e-03	0.0	0.0	52.6	0.26	-0.56	-7.99e-03	0.0	-4.83e-03	-1.00
141	45	-0.61	-8.74e-04	5.32e-05	-2.08	0.0	0.12	1.74	-8.34e-03	0.0	-8.74e-04	-1.00
		-1.00	-5.26e-03	-1.11e-05	0.0	52.6	0.12	-0.34	-8.34e-03	0.0	-5.26e-03	-0.63
141	46	-0.89	-1.10e-03	5.83e-05	-3.35	0.0	0.12	2.71	-0.01	0.0	-1.10e-03	-1.46
		-1.46	-6.83e-03	-1.17e-05	0.0	52.6	0.12	-0.64	-0.01	0.0	-6.83e-03	-0.92
141	76	-2.19	-1.97e-03	1.19e-04	-4.30	0.0	0.59	3.60	-0.03	0.0	-1.97e-03	-2.98
		-2.98	-0.02	-1.42e-05	0.0	52.6	0.59	-0.71	-0.03	0.0	-0.02	-2.22
141	122	-2.89	-1.99e-03	-8.62e-06	-2.22	0.0	1.84	0.29	-0.04	0.0	-1.99e-03	-2.90
		-3.32	-0.02	3.98e-05	0.0	52.6	1.84	-1.92	-0.04	0.0	-0.02	-3.32
141	123	0.93	5.22e-03	1.39e-04	-2.22	0.0	-1.17	3.36	0.01	0.0	-8.08e-05	-0.24
		-0.24	-8.08e-05	-5.49e-05	0.0	52.6	-1.17	1.14	0.01	0.0	5.22e-03	0.93
141	130	-2.59	-2.96e-03	1.70e-05	-2.22	0.0	1.27	0.99	-0.05	0.0	-2.96e-03	-2.71
		-2.76	-0.03	1.49e-04	0.0	52.6	1.27	-1.23	-0.05	0.0	-0.03	-2.76

141	131	0.38	0.01	1.14e-04	-2.22	0.0	-0.59	2.66	0.02	0.0	8.90e-04	-0.42
		-0.42	8.90e-04	-1.64e-04	0.0	52.6	-0.59	0.44	0.02	0.0	0.01	0.38
141	154	-3.06	-2.11e-03	-1.79e-05	-2.22	0.0	2.03	0.10	-0.04	0.0	-2.11e-03	-3.07
		-3.58	-0.02	4.62e-05	0.0	52.6	2.03	-2.11	-0.04	0.0	-0.02	-3.58
141	155	1.20	6.88e-03	1.48e-04	-2.22	0.0	-1.36	3.55	0.01	0.0	4.03e-05	-0.07
		-0.07	4.03e-05	-6.12e-05	0.0	52.6	-1.36	1.33	0.01	0.0	6.88e-03	1.20
141	162	-2.76	-3.21e-03	1.08e-05	-2.22	0.0	1.38	0.89	-0.05	0.0	-3.21e-03	-2.86
		-2.96	-0.03	1.69e-04	0.0	52.6	1.38	-1.33	-0.05	0.0	-0.03	-2.96
141	163	0.58	0.01	1.20e-04	-2.22	0.0	-0.71	2.76	0.02	0.0	1.14e-03	-0.28
		-0.28	1.14e-03	-1.84e-04	0.0	52.6	-0.71	0.55	0.02	0.0	0.01	0.58
141	186	-3.05	-2.11e-03	-1.70e-05	-2.22	0.0	2.01	0.13	-0.04	0.0	-2.11e-03	-3.06
		-3.56	-0.02	4.86e-05	0.0	52.6	2.01	-2.09	-0.04	0.0	-0.02	-3.56
141	187	1.18	6.86e-03	1.47e-04	-2.22	0.0	-1.34	3.52	0.01	0.0	4.11e-05	-0.08
		-0.08	4.11e-05	-6.36e-05	0.0	52.6	-1.34	1.31	0.01	0.0	6.86e-03	1.18
141	194	-2.79	-3.24e-03	1.00e-05	-2.22	0.0	1.40	0.89	-0.05	0.0	-3.24e-03	-2.89
		-2.99	-0.03	1.75e-04	0.0	52.6	1.40	-1.33	-0.05	0.0	-0.03	-2.99
141	195	0.61	0.01	1.21e-04	-2.22	0.0	-0.72	2.76	0.03	0.0	1.17e-03	-0.25
		-0.25	1.17e-03	-1.90e-04	0.0	52.6	-0.72	0.55	0.03	0.0	0.01	0.61
141	218	-3.31	-2.31e-03	-3.07e-05	-2.22	0.0	2.30	-0.15	-0.04	0.0	-2.31e-03	-3.31
		-3.96	-0.03	6.02e-05	0.0	52.6	2.30	-2.37	-0.04	0.0	-0.03	-3.96
141	219	1.58	9.46e-03	1.61e-04	-2.22	0.0	-1.62	3.81	0.02	0.0	2.38e-04	0.17
		0.17	2.38e-04	-7.52e-05	0.0	52.6	-1.62	1.59	0.02	0.0	9.46e-03	1.58
141	226	-3.08	-3.67e-03	0.0	-2.22	0.0	1.60	0.72	-0.06	0.0	-3.67e-03	-3.15
		-3.34	-0.03	2.12e-04	0.0	52.6	1.60	-1.50	-0.06	0.0	-0.03	-3.34
141	227	0.95	0.02	1.31e-04	-2.22	0.0	-0.92	2.94	0.03	0.0	1.60e-03	0.01
		0.01	1.60e-03	-2.27e-04	0.0	52.6	-0.92	0.72	0.03	0.0	0.02	0.95
141	243	-1.40	-1.19e-03	7.73e-05	-2.22	0.0	0.43	1.87	-0.02	0.0	-1.19e-03	-1.81
		-1.81	-9.56e-03	-8.17e-06	0.0	52.6	0.43	-0.35	-0.02	0.0	-9.56e-03	-1.41
141	247	-1.63	-1.35e-03	7.31e-05	-3.92	0.0	0.37	3.11	-0.02	0.0	-1.35e-03	-2.28
		-2.28	-0.01	-7.46e-06	0.0	52.6	0.37	-0.81	-0.02	0.0	-0.01	-1.67
141	248	-0.98	-7.08e-04	3.90e-05	-2.22	0.0	0.26	1.66	-8.79e-03	0.0	-7.08e-04	-1.31
		-1.31	-5.33e-03	-2.15e-06	0.0	52.6	0.26	-0.56	-8.79e-03	0.0	-5.33e-03	-1.02
141	261	-0.75	-8.74e-04	5.19e-05	-2.22	0.0	0.17	1.81	-9.02e-03	0.0	-8.74e-04	-1.14
		-1.14	-5.62e-03	-9.06e-06	0.0	52.6	0.17	-0.41	-9.02e-03	0.0	-5.62e-03	-0.77
141	262	-0.93	-1.02e-03	5.53e-05	-3.07	0.0	0.17	2.46	-0.01	0.0	-1.02e-03	-1.45
		-1.45	-6.66e-03	-9.47e-06	0.0	52.6	0.17	-0.61	-0.01	0.0	-6.66e-03	-0.96
141	280	-1.54	-1.38e-03	8.32e-05	-3.07	0.0	0.42	2.55	-0.02	0.0	-1.38e-03	-2.09
		-2.09	-0.01	-9.89e-06	0.0	52.6	0.42	-0.52	-0.02	0.0	-0.01	-1.56
141	298	-1.22	-1.08e-03	6.89e-05	-2.22	0.0	0.36	1.84	-0.01	0.0	-1.08e-03	-1.62
		-1.62	-8.36e-03	-8.02e-06	0.0	52.6	0.36	-0.37	-0.01	0.0	-8.36e-03	-1.23
141	301	-1.25	-1.10e-03	6.66e-05	-2.56	0.0	0.34	2.09	-0.01	0.0	-1.10e-03	-1.69
		-1.69	-8.36e-03	-7.68e-06	0.0	52.6	0.34	-0.47	-0.01	0.0	-8.36e-03	-1.27
141	302	-0.92	-7.52e-04	4.25e-05	-2.22	0.0	0.24	1.70	-8.85e-03	0.0	-7.52e-04	-1.27
		-1.27	-5.40e-03	-4.00e-06	0.0	52.6	0.24	-0.52	-8.85e-03	0.0	-5.40e-03	-0.95
141	304	-0.88	-7.85e-04	4.50e-05	-2.22	0.0	0.22	1.73	-8.89e-03	0.0	-7.85e-04	-1.23
		-1.23	-5.46e-03	-5.38e-06	0.0	52.6	0.22	-0.49	-8.89e-03	0.0	-5.46e-03	-0.90
141	309	-0.91	-7.63e-04	4.33e-05	-2.22	0.0	0.23	1.71	-8.86e-03	0.0	-7.63e-04	-1.26
		-1.26	-5.42e-03	-4.46e-06	0.0	52.6	0.23	-0.51	-8.86e-03	0.0	-5.42e-03	-0.94
141	310	-1.17	-1.04e-03	6.53e-05	-2.22	0.0	0.34	1.83	-0.01	0.0	-1.04e-03	-1.57
		-1.57	-7.94e-03	-7.51e-06	0.0	52.6	0.34	-0.39	-0.01	0.0	-7.94e-03	-1.19
142	35	-2.21	3.19e-04	-3.78e-05	-27.54	0.0	2.24	8.91	0.01	-2.47e-03	-7.16e-03	-3.04
		-5.83	-7.16e-03	-1.19e-05	0.0	57.6	2.24	-18.63	0.01	-2.47e-03	3.19e-04	-5.83
142	45	-0.64	1.65e-03	-1.16e-05	-9.58	0.0	0.75	3.21	9.33e-03	-1.11e-03	-3.82e-03	-0.95
		-1.86	-3.82e-03	-1.11e-05	0.0	57.6	0.75	-6.37	9.33e-03	-1.11e-03	1.65e-03	-1.86
142	52	-2.39	-1.83e-03	-4.72e-05	-32.75	0.0	2.53	10.88	6.63e-03	-2.44e-03	-5.90e-03	-3.43
		-6.59	-5.90e-03	-7.98e-06	0.0	57.6	2.53	-21.87	6.63e-03	-2.44e-03	-1.83e-03	-6.59
142	69	-0.87	-1.67e-03	-1.51e-05	-9.58	0.0	0.64	2.99	1.50e-03	-1.19e-03	-2.67e-03	-1.14
		-2.18	-2.67e-03	-3.10e-06	0.0	57.6	0.64	-6.59	1.50e-03	-1.19e-03	-1.67e-03	-2.18
142	76	-2.24	-4.68e-04	-4.54e-05	-32.75	0.0	2.63	11.06	8.39e-03	-2.05e-03	-5.51e-03	-3.30
		-6.37	-5.51e-03	-7.14e-06	0.0	57.6	2.63	-21.69	8.39e-03	-2.05e-03	-4.68e-04	-6.37
142	93	-0.61	5.97e-04	-1.20e-05	-9.58	0.0	0.79	3.29	4.44e-03	-5.51e-04	-2.02e-03	-0.93
		-1.80	-2.02e-03	-1.70e-06	0.0	57.6	0.79	-6.29	4.44e-03	-5.51e-04	5.97e-04	-1.80
142	114	-1.21	0.04	-3.11e-05	-17.80	0.0	0.32	6.06	-0.08	-0.03	0.04	-1.84
		-3.37	-9.87e-03	-7.44e-05	0.0	57.6	0.32	-11.74	-0.08	-0.03	-9.87e-03	-3.37
142	115	-1.08	9.00e-03	-1.91e-05	-17.80	0.0	2.43	6.12	0.09	0.02	-0.05	-1.65
		-3.35	-0.05	6.66e-05	0.0	57.6	2.43	-11.68	0.09	0.02	9.00e-03	-3.35
142	130	-0.02	0.02	-2.20e-05	-17.80	0.0	0.02	7.40	8.54e-03	6.49e-03	0.02	-0.92
		-1.75	0.02	1.06e-04	0.0	57.6	0.02	-10.40	8.54e-03	6.49e-03	0.02	-1.75
142	131	-2.21	-0.02	-2.77e-05	-17.80	0.0	2.74	4.78	-1.76e-04	-8.73e-03	-0.02	-2.57
		-4.97	-0.02	-1.14e-04	0.0	57.6	2.74	-13.02	-1.76e-04	-8.73e-03	-0.02	-4.97
142	141	-2.78	-2.60e-03	-3.39e-05	-17.80	0.0	2.11	4.15	-0.04	-0.02	-2.60e-03	-3.06
		-5.80	-0.02	-5.54e-05	0.0	57.6	2.11	-13.65	-0.04	-0.02	-0.02	-5.80
142	144	0.62	0.02	2.06e-05	-17.80	0.0	0.65	8.03	0.05	0.02	-3.31e-03	-0.42
		-0.93	-3.31e-03	4.76e-05	0.0	57.6	0.65	-9.77	0.05	0.02	0.02	-0.93
142	146	-1.22	0.04	-3.19e-05	-17.80	0.0	0.19	6.05	-0.09	-0.03	0.04	-1.85

		-3.37	-0.01	-8.28e-05	0.0	57.6	0.19	-11.75	-0.09	-0.03	-0.01	-3.37
142	147	-1.07	0.01	-1.84e-05	-17.80	0.0	2.56	6.12	0.10	0.03	-0.05	-1.64
		-3.35	-0.05	7.51e-05	0.0	57.6	2.56	-11.68	0.10	0.03	0.01	-3.35
142	162	0.13	0.02	-2.17e-05	-17.80	0.0	-0.16	7.57	9.36e-03	7.57e-03	0.02	-0.81
		-1.54	0.02	1.21e-04	0.0	57.6	-0.16	-10.23	9.36e-03	7.57e-03	0.02	-1.54
142	163	-2.34	-0.02	-2.81e-05	-17.80	0.0	2.91	4.60	-9.99e-04	-9.81e-03	-0.03	-2.68
		-5.18	-0.03	-1.29e-04	0.0	57.6	2.91	-13.20	-9.99e-04	-9.81e-03	-0.02	-5.18
142	173	-2.99	-2.57e-03	-3.53e-05	-17.80	0.0	2.20	3.89	-0.05	-0.02	-2.57e-03	-3.23
		-6.12	-0.03	-6.24e-05	0.0	57.6	2.20	-13.91	-0.05	-0.02	-0.03	-6.12
142	176	0.85	0.02	2.33e-05	-17.80	0.0	0.56	8.28	0.05	0.02	-3.34e-03	-0.25
		-0.61	-3.34e-03	5.47e-05	0.0	57.6	0.56	-9.52	0.05	0.02	0.02	-0.61
142	182	-1.11	0.04	-3.16e-05	-17.80	0.0	0.31	6.21	-0.09	-0.03	0.04	-1.77
		-3.21	-0.01	-1.11e-04	0.0	57.6	0.31	-11.59	-0.09	-0.03	-0.01	-3.21
142	183	-1.18	0.01	-1.86e-05	-17.80	0.0	2.45	5.97	0.10	0.03	-0.05	-1.72
		-3.51	-0.05	1.03e-04	0.0	57.6	2.45	-11.83	0.10	0.03	0.01	-3.51
142	194	0.18	0.02	-2.14e-05	-17.80	0.0	-0.20	7.63	0.01	8.29e-03	0.02	-0.77
		-1.47	0.02	1.30e-04	0.0	57.6	-0.20	-10.17	0.01	8.29e-03	0.02	-1.47
142	195	-2.39	-0.02	-2.85e-05	-17.80	0.0	2.95	4.55	-2.67e-03	-0.01	-0.02	-2.71
		-5.25	-0.02	-1.37e-04	0.0	57.6	2.95	-13.26	-2.67e-03	-0.01	-0.02	-5.25
142	205	-3.03	-2.66e-03	-3.56e-05	-17.80	0.0	2.23	3.84	-0.05	-0.02	-2.66e-03	-3.27
		-6.18	-0.03	-6.52e-05	0.0	57.6	2.23	-13.96	-0.05	-0.02	-0.03	-6.18
142	208	0.90	0.03	2.39e-05	-17.80	0.0	0.53	8.33	0.05	0.02	-3.25e-03	-0.22
		-0.54	-3.25e-03	5.74e-05	0.0	57.6	0.53	-9.47	0.05	0.02	0.03	-0.54
142	214	-1.10	0.05	-3.28e-05	-17.80	0.0	0.13	6.24	-0.11	-0.04	0.05	-1.77
		-3.18	-0.01	-1.29e-04	0.0	57.6	0.13	-11.57	-0.11	-0.04	-0.01	-3.18
142	215	-1.18	0.01	-1.77e-05	-17.80	0.0	2.63	5.94	0.12	0.03	-0.06	-1.71
		-3.54	-0.06	1.21e-04	0.0	57.6	2.63	-11.86	0.12	0.03	0.01	-3.54
142	226	0.47	0.02	-2.07e-05	-17.80	0.0	-0.51	7.95	0.01	0.01	0.02	-0.57
		-1.08	0.02	1.60e-04	0.0	57.6	-0.51	-9.85	0.01	0.01	0.02	-1.08
142	227	-2.63	-0.02	-2.95e-05	-17.80	0.0	3.26	4.23	-5.19e-03	-0.01	-0.03	-2.91
		-5.64	-0.03	-1.68e-04	0.0	57.6	3.26	-13.57	-5.19e-03	-0.01	-0.02	-5.64
142	237	-3.36	-2.69e-03	-3.80e-05	-17.80	0.0	2.39	3.42	-0.06	-0.02	-2.69e-03	-3.55
		-6.71	-0.03	-7.78e-05	0.0	57.6	2.39	-14.38	-0.06	-0.02	-0.03	-6.71
142	240	1.31	0.03	2.84e-05	-17.80	0.0	0.37	8.76	0.06	0.02	-3.23e-03	0.07
		-0.02	-3.23e-03	7.00e-05	0.0	57.6	0.37	-9.04	0.06	0.02	0.03	-0.02
142	259	-1.55	2.06e-04	-2.61e-05	-18.96	0.0	1.55	6.10	8.69e-03	-1.72e-03	-4.97e-03	-2.11
		-4.06	-4.97e-03	-8.17e-06	0.0	57.6	1.55	-12.85	8.69e-03	-1.72e-03	2.06e-04	-4.06
142	261	-0.69	1.02e-03	-1.37e-05	-10.86	0.0	0.83	3.70	7.64e-03	-1.05e-03	-3.48e-03	-1.05
		-2.05	-3.48e-03	-8.24e-06	0.0	57.6	0.83	-7.16	7.64e-03	-1.05e-03	1.02e-03	-2.05
142	268	-1.67	-1.23e-03	-3.24e-05	-22.43	0.0	1.75	7.42	4.74e-03	-1.70e-03	-4.13e-03	-2.37
		-4.56	-4.13e-03	-5.54e-06	0.0	57.6	1.75	-15.02	4.74e-03	-1.70e-03	-1.23e-03	-4.56
142	273	-0.85	-1.20e-03	-1.60e-05	-10.86	0.0	0.75	3.55	2.42e-03	-1.10e-03	-2.71e-03	-1.18
		-2.26	-2.71e-03	-2.92e-06	0.0	57.6	0.75	-7.31	2.42e-03	-1.10e-03	-1.20e-03	-2.26
142	280	-1.57	-3.19e-04	-3.11e-05	-22.43	0.0	1.81	7.53	5.91e-03	-1.44e-03	-3.87e-03	-2.29
		-4.41	-3.87e-03	-4.98e-06	0.0	57.6	1.81	-14.90	5.91e-03	-1.44e-03	-3.19e-04	-4.41
142	285	-0.67	3.17e-04	-1.40e-05	-10.86	0.0	0.85	3.75	4.38e-03	-6.71e-04	-2.27e-03	-1.04
		-2.01	-2.27e-03	-1.98e-06	0.0	57.6	0.85	-7.11	4.38e-03	-6.71e-04	3.17e-04	-2.01
142	298	-1.22	-4.76e-04	-2.64e-05	-18.96	0.0	1.47	6.49	4.25e-03	-1.17e-03	-3.05e-03	-1.85
		-3.57	-3.05e-03	-4.14e-06	0.0	57.6	1.47	-12.47	4.25e-03	-1.17e-03	-4.76e-04	-3.57
142	301	-1.22	-4.44e-04	-2.48e-05	-17.80	0.0	1.39	6.01	4.60e-03	-1.20e-03	-3.21e-03	-1.80
		-3.46	-3.21e-03	-3.97e-06	0.0	57.6	1.39	-11.79	4.60e-03	-1.20e-03	-4.44e-04	-3.46
142	304	-0.72	5.42e-05	-1.44e-05	-10.86	0.0	0.82	3.68	4.51e-03	-8.60e-04	-2.63e-03	-1.08
		-2.09	-2.63e-03	-3.49e-06	0.0	57.6	0.82	-7.17	4.51e-03	-8.60e-04	5.42e-05	-2.09
142	306	-0.76	-3.90e-04	-1.49e-05	-10.86	0.0	0.81	3.65	3.47e-03	-8.70e-04	-2.48e-03	-1.11
		-2.13	-2.48e-03	-2.42e-06	0.0	57.6	0.81	-7.20	3.47e-03	-8.70e-04	-3.90e-04	-2.13
142	308	-0.72	-8.68e-05	-1.45e-05	-10.86	0.0	0.83	3.69	3.86e-03	-7.85e-04	-2.39e-03	-1.08
		-2.08	-2.39e-03	-2.23e-06	0.0	57.6	0.83	-7.16	3.86e-03	-7.85e-04	-8.68e-05	-2.08
142	309	-0.73	-1.88e-04	-1.46e-05	-10.86	0.0	0.82	3.68	3.73e-03	-8.13e-04	-2.42e-03	-1.09
		-2.10	-2.42e-03	-2.30e-06	0.0	57.6	0.82	-7.17	3.73e-03	-8.13e-04	-1.88e-04	-2.10
142	310	-1.15	-4.35e-04	-2.47e-05	-17.80	0.0	1.38	6.09	4.18e-03	-1.12e-03	-2.96e-03	-1.74
		-3.36	-2.96e-03	-3.88e-06	0.0	57.6	1.38	-11.71	4.18e-03	-1.12e-03	-4.35e-04	-3.36
143	35	-0.01	0.01	-4.34e-05	-27.54	0.0	1.67	10.53	-0.03	-2.05e-03	0.01	-1.17
		-3.04	-7.31e-03	-1.11e-05	0.0	57.6	1.67	-17.01	-0.03	-2.05e-03	-7.31e-03	-3.04
143	44	0.13	0.01	-4.28e-05	-27.54	0.0	1.64	10.79	-0.03	-1.98e-03	0.01	-1.09
		-2.80	-6.97e-03	-1.43e-05	0.0	57.6	1.64	-16.74	-0.03	-1.98e-03	-6.97e-03	-2.80
143	52	0.08	7.09e-03	-5.34e-05	-32.75	0.0	2.08	12.77	-0.02	-2.11e-03	7.09e-03	-1.35
		-3.43	-6.05e-03	-7.26e-06	0.0	57.6	2.08	-19.97	-0.02	-2.11e-03	-6.05e-03	-3.43
143	75	0.28	4.37e-03	-5.16e-05	-32.75	0.0	1.78	13.15	-0.02	-1.51e-03	4.37e-03	-1.23
		-3.09	-4.65e-03	-6.24e-06	0.0	57.6	1.78	-19.60	-0.02	-1.51e-03	-4.65e-03	-3.09
143	93	0.08	1.60e-03	-1.43e-05	-9.58	0.0	0.41	3.78	-6.47e-03	-4.15e-04	1.60e-03	-0.35
		-0.93	-2.05e-03	-1.45e-06	0.0	57.6	0.41	-5.80	-6.47e-03	-4.15e-04	-2.05e-03	-0.93
143	114	0.03	0.04	-3.14e-05	-17.80	0.0	-1.77	7.04	0.29	-0.01	-0.13	-0.78
		-1.84	-0.13	-7.78e-05	0.0	57.6	-1.77	-10.76	0.29	-0.01	0.04	-1.84
143	115	0.21	0.14	-2.53e-05	-17.80	0.0	3.80	7.09	-0.31	0.01	0.14	-0.59
		-1.65	-0.04	7.08e-05	0.0	57.6	3.80	-10.71	-0.31	0.01	-0.04	-1.65

143	130	0.65	0.02	-2.44e-05	-17.80	0.0	-2.18	7.96	0.13	9.18e-03	-0.06	-0.38
		-0.92	-0.06	1.09e-04	0.0	57.6	-2.18	-9.85	0.13	9.18e-03	0.02	-0.92
143	131	-0.38	0.06	-3.25e-05	-17.80	0.0	4.22	6.18	-0.15	-0.01	0.06	-0.99
		-2.57	-0.02	-1.16e-04	0.0	57.6	4.22	-11.63	-0.15	-0.01	-0.02	-2.57
143	141	-0.69	-1.53e-03	-3.64e-05	-17.80	0.0	2.68	5.70	-4.96e-03	-0.01	-1.53e-03	-1.22
		-3.06	-4.34e-03	-5.79e-05	0.0	57.6	2.68	-12.10	-4.96e-03	-0.01	-4.34e-03	-3.06
143	144	0.99	7.75e-03	-2.14e-05	-17.80	0.0	-0.65	8.43	-0.02	0.01	7.75e-03	-0.15
		-0.42	-1.71e-03	5.09e-05	0.0	57.6	-0.65	-9.37	-0.02	0.01	-1.71e-03	-0.42
143	146	0.02	0.04	-3.18e-05	-17.80	0.0	-2.12	7.04	0.32	-0.02	-0.15	-0.79
		-1.85	-0.15	-8.67e-05	0.0	57.6	-2.12	-10.76	0.32	-0.02	0.04	-1.85
143	147	0.23	0.15	-2.50e-05	-17.80	0.0	4.15	7.09	-0.34	0.01	0.15	-0.58
		-1.64	-0.05	7.97e-05	0.0	57.6	4.15	-10.71	-0.34	0.01	-0.05	-1.64
143	162	0.72	0.02	-2.39e-05	-17.80	0.0	-2.60	8.07	0.14	0.01	-0.06	-0.34
		-0.81	-0.06	1.25e-04	0.0	57.6	-2.60	-9.73	0.14	0.01	0.02	-0.81
143	163	-0.45	0.07	-3.31e-05	-17.80	0.0	4.63	6.06	-0.17	-0.01	0.07	-1.03
		-2.68	-0.02	-1.32e-04	0.0	57.6	4.63	-11.74	-0.17	-0.01	-0.02	-2.68
143	173	-0.79	-2.07e-03	-3.76e-05	-17.80	0.0	2.91	5.52	-4.32e-03	-0.02	-2.07e-03	-1.29
		-3.23	-4.53e-03	-6.52e-05	0.0	57.6	2.91	-12.28	-4.32e-03	-0.02	-4.53e-03	-3.23
143	176	1.11	8.29e-03	-2.06e-05	-17.80	0.0	-0.87	8.61	-0.02	0.01	8.29e-03	-0.08
		-0.25	-1.51e-03	5.82e-05	0.0	57.6	-0.87	-9.19	-0.02	0.01	-1.51e-03	-0.25
143	182	0.06	0.04	-3.16e-05	-17.80	0.0	-1.88	7.12	0.32	-0.02	-0.14	-0.76
		-1.77	-0.14	-1.15e-04	0.0	57.6	-1.88	-10.68	0.32	-0.02	0.04	-1.77
143	183	0.18	0.15	-2.52e-05	-17.80	0.0	3.91	7.01	-0.34	0.02	0.15	-0.61
		-1.72	-0.05	1.08e-04	0.0	57.6	3.91	-10.79	-0.34	0.02	-0.05	-1.72
143	194	0.74	0.02	-2.38e-05	-17.80	0.0	-2.69	8.11	0.14	0.01	-0.06	-0.32
		-0.77	-0.06	1.33e-04	0.0	57.6	-2.69	-9.69	0.14	0.01	0.02	-0.77
143	195	-0.47	0.07	-3.32e-05	-17.80	0.0	4.72	6.02	-0.16	-0.01	0.07	-1.05
		-2.71	-0.02	-1.40e-04	0.0	57.6	4.72	-11.78	-0.16	-0.01	-0.02	-2.71
143	205	-0.81	-1.76e-03	-3.77e-05	-17.80	0.0	2.97	5.49	-5.17e-03	-0.02	-1.76e-03	-1.30
		-3.27	-4.70e-03	-6.77e-05	0.0	57.6	2.97	-12.32	-5.17e-03	-0.02	-4.70e-03	-3.27
143	208	1.14	7.97e-03	-2.06e-05	-17.80	0.0	-0.93	8.65	-0.02	0.01	7.97e-03	-0.07
		-0.22	-1.34e-03	6.07e-05	0.0	57.6	-0.93	-9.15	-0.02	0.01	-1.34e-03	-0.22
143	214	0.05	0.05	-3.21e-05	-17.80	0.0	-2.37	7.13	0.37	-0.02	-0.17	-0.77
		-1.77	-0.17	-1.34e-04	0.0	57.6	-2.37	-10.67	0.37	-0.02	0.05	-1.77
143	215	0.19	0.17	-2.47e-05	-17.80	0.0	4.40	7.00	-0.39	0.02	0.17	-0.60
		-1.71	-0.05	1.27e-04	0.0	57.6	4.40	-10.80	-0.39	0.02	-0.05	-1.71
143	226	0.87	0.02	-2.30e-05	-17.80	0.0	-3.41	8.33	0.17	0.01	-0.07	-0.24
		-0.57	-0.07	1.64e-04	0.0	57.6	-3.41	-9.47	0.17	0.01	0.02	-0.57
143	227	-0.58	0.08	-3.43e-05	-17.80	0.0	5.45	5.80	-0.19	-0.02	0.08	-1.12
		-2.91	-0.03	-1.71e-04	0.0	57.6	5.45	-12.00	-0.19	-0.02	-0.03	-2.91
143	237	-0.98	-2.33e-03	-3.96e-05	-17.80	0.0	3.34	5.19	-4.86e-03	-0.02	-2.33e-03	-1.41
		-3.55	-5.12e-03	-8.07e-05	0.0	57.6	3.34	-12.61	-4.86e-03	-0.02	-5.12e-03	-3.55
143	240	1.34	8.55e-03	-1.93e-05	-17.80	0.0	-1.31	8.94	-0.02	0.02	8.55e-03	0.04
		0.04	-9.28e-04	7.36e-05	0.0	57.6	-1.31	-8.86	-0.02	0.02	-9.28e-04	0.07
143	259	-0.02	7.41e-03	-3.00e-05	-18.96	0.0	1.15	7.23	-0.02	-1.43e-03	7.41e-03	-0.81
		-2.11	-5.08e-03	-7.56e-06	0.0	57.6	1.15	-11.73	-0.02	-1.43e-03	-5.08e-03	-2.11
143	264	0.07	8.23e-03	-2.96e-05	-18.96	0.0	1.14	7.40	-0.02	-1.38e-03	8.23e-03	-0.76
		-1.95	-4.85e-03	-9.74e-06	0.0	57.6	1.14	-11.56	-0.02	-1.38e-03	-4.85e-03	-1.95
143	268	0.04	4.93e-03	-3.66e-05	-22.43	0.0	1.43	8.72	-0.02	-1.47e-03	4.93e-03	-0.94
		-2.37	-4.24e-03	-5.03e-06	0.0	57.6	1.43	-13.71	-0.02	-1.47e-03	-4.24e-03	-2.37
143	279	0.17	3.12e-03	-3.54e-05	-22.43	0.0	1.23	8.97	-0.01	-1.07e-03	3.12e-03	-0.85
		-2.15	-3.30e-03	-4.35e-06	0.0	57.6	1.23	-13.46	-0.01	-1.07e-03	-3.30e-03	-2.15
143	285	0.09	2.08e-03	-1.64e-05	-10.86	0.0	0.52	4.30	-7.79e-03	-5.27e-04	2.08e-03	-0.40
		-1.04	-2.31e-03	-1.71e-06	0.0	57.6	0.52	-6.55	-7.79e-03	-5.27e-04	-2.31e-03	-1.04
143	298	0.13	3.19e-03	-3.01e-05	-18.96	0.0	1.08	7.53	-0.01	-1.01e-03	3.19e-03	-0.73
		-1.85	-3.12e-03	-3.77e-06	0.0	57.6	1.08	-11.42	-0.01	-1.01e-03	-3.12e-03	-1.85
143	301	0.09	3.45e-03	-2.83e-05	-17.80	0.0	1.03	7.00	-0.01	-1.02e-03	3.45e-03	-0.70
		-1.80	-3.29e-03	-3.58e-06	0.0	57.6	1.03	-10.80	-0.01	-1.02e-03	-3.29e-03	-1.80
143	305	0.13	3.94e-03	-2.81e-05	-17.80	0.0	1.02	7.07	-0.01	-1.00e-03	3.94e-03	-0.68
		-1.73	-3.24e-03	-4.68e-06	0.0	57.6	1.02	-10.73	-0.01	-1.00e-03	-3.24e-03	-1.73
143	308	0.07	2.51e-03	-1.69e-05	-10.86	0.0	0.60	4.26	-8.77e-03	-6.41e-04	2.51e-03	-0.41
		-1.08	-2.44e-03	-1.94e-06	0.0	57.6	0.60	-6.59	-8.77e-03	-6.41e-04	-2.44e-03	-1.08
143	309	0.07	2.62e-03	-1.70e-05	-10.86	0.0	0.61	4.25	-9.02e-03	-6.69e-04	2.62e-03	-0.41
		-1.09	-2.47e-03	-2.00e-06	0.0	57.6	0.61	-6.60	-9.02e-03	-6.69e-04	-2.47e-03	-1.09
143	310	0.12	3.11e-03	-2.83e-05	-17.80	0.0	1.02	7.07	-0.01	-9.59e-04	3.11e-03	-0.68
		-1.74	-3.02e-03	-3.52e-06	0.0	57.6	1.02	-10.74	-0.01	-9.59e-04	-3.02e-03	-1.74
144	19	0.51	-1.37e-04	-2.04e-05	-9.58	0.0	0.42	4.10	-1.12e-03	-1.88e-04	-1.37e-04	0.0
		-0.40	-7.58e-04	2.56e-06	0.0	57.6	0.42	-5.48	-1.12e-03	-1.88e-04	-7.58e-04	-0.40
144	27	1.78	8.51e-03	-6.31e-05	-32.75	0.0	1.36	14.24	0.01	-6.42e-04	1.34e-04	0.0
		-1.23	1.34e-04	-1.28e-05	0.0	57.6	1.36	-18.51	0.01	-6.42e-04	8.51e-03	-1.23
144	44	1.48	0.01	-5.43e-05	-27.54	0.0	1.24	11.88	0.02	-5.95e-04	1.73e-04	0.0
		-1.09	1.73e-04	-1.58e-05	0.0	57.6	1.24	-15.66	0.02	-5.95e-04	0.01	-1.09
144	52	1.73	6.97e-03	-6.63e-05	-32.75	0.0	1.27	14.02	0.01	-7.96e-04	1.05e-04	0.0
		-1.35	1.05e-04	-8.12e-06	0.0	57.6	1.27	-18.73	0.01	-7.96e-04	6.97e-03	-1.35
144	69	0.49	3.93e-03	-2.21e-05	-9.58	0.0	0.21	4.04	6.38e-03	-4.21e-04	1.83e-04	0.0

		-0.44	1.83e-04	-3.26e-06	0.0	57.6	0.21	-5.55	6.38e-03	-4.21e-04	3.93e-03	-0.44
144	76	1.75	5.56e-03	-6.45e-05	-32.75	0.0	1.47	14.11	9.67e-03	-6.00e-04	-8.74e-05	0.0
		-1.30	-8.74e-05	-7.16e-06	0.0	57.6	1.47	-18.64	9.67e-03	-6.00e-04	5.56e-03	-1.30
144	114	0.92	-0.01	-3.64e-05	-17.80	0.0	-0.99	7.55	-0.20	-9.13e-03	-0.01	0.0
		-0.78	-0.13	-6.22e-05	0.0	57.6	-0.99	-10.25	-0.20	-9.13e-03	-0.13	-0.78
144	115	1.00	0.14	-3.40e-05	-17.80	0.0	2.49	7.87	0.22	8.44e-03	0.01	0.0
		-0.59	0.01	5.44e-05	0.0	57.6	2.49	-9.93	0.22	8.44e-03	0.14	-0.59
144	130	1.10	-8.69e-03	-3.10e-05	-17.80	0.0	-1.76	8.25	-0.09	7.54e-03	-8.69e-03	0.0
		-0.38	-0.06	1.16e-04	0.0	57.6	-1.76	-9.56	-0.09	7.54e-03	-0.06	-0.38
144	131	0.83	0.06	-3.96e-05	-17.80	0.0	3.25	7.18	0.10	-8.24e-03	8.66e-03	0.0
		-0.99	8.66e-03	-1.24e-04	0.0	57.6	3.25	-10.62	0.10	-8.24e-03	0.06	-0.99
144	141	0.75	2.28e-03	-4.33e-05	-17.80	0.0	1.60	6.79	-7.62e-03	-8.91e-03	2.28e-03	0.0
		-1.22	-2.76e-03	-5.70e-05	0.0	57.6	1.60	-11.01	-7.62e-03	-8.91e-03	-2.76e-03	-1.22
144	144	1.20	8.88e-03	-2.80e-05	-17.80	0.0	-0.10	8.63	0.02	8.22e-03	-2.30e-03	0.0
		-0.15	-2.30e-03	4.92e-05	0.0	57.6	-0.10	-9.17	0.02	8.22e-03	8.88e-03	-0.15
144	146	0.92	-0.02	-3.66e-05	-17.80	0.0	-1.21	7.53	-0.23	-0.01	-0.02	0.0
		-0.79	-0.15	-6.91e-05	0.0	57.6	-1.21	-10.27	-0.23	-0.01	-0.15	-0.79
144	147	1.01	0.15	-3.38e-05	-17.80	0.0	2.71	7.89	0.24	9.50e-03	0.02	0.0
		-0.58	0.02	6.13e-05	0.0	57.6	2.71	-9.91	0.24	9.50e-03	0.15	-0.58
144	162	1.11	-9.78e-03	-3.04e-05	-17.80	0.0	-2.08	8.32	-0.10	8.61e-03	-9.78e-03	0.0
		-0.34	-0.07	1.33e-04	0.0	57.6	-2.08	-9.48	-0.10	8.61e-03	-0.07	-0.34
144	163	0.81	0.07	-4.02e-05	-17.80	0.0	3.58	7.11	0.11	-9.30e-03	9.76e-03	0.0
		-1.03	9.76e-03	-1.41e-04	0.0	57.6	3.58	-10.69	0.11	-9.30e-03	0.07	-1.03
144	173	0.72	2.59e-03	-4.44e-05	-17.80	0.0	1.71	6.67	-9.23e-03	-0.01	2.59e-03	0.0
		-1.29	-3.47e-03	-6.41e-05	0.0	57.6	1.71	-11.13	-9.23e-03	-0.01	-3.47e-03	-1.29
144	176	1.24	9.58e-03	-2.71e-05	-17.80	0.0	-0.21	8.76	0.02	9.33e-03	-2.61e-03	0.0
		-0.08	-2.61e-03	5.64e-05	0.0	57.6	-0.21	-9.05	0.02	9.33e-03	9.58e-03	-0.08
144	178	0.92	-0.02	-3.64e-05	-17.80	0.0	-1.19	7.54	-0.23	-9.91e-03	-0.02	0.0
		-0.79	-0.15	-6.66e-05	0.0	57.6	-1.19	-10.27	-0.23	-9.91e-03	-0.15	-0.79
144	179	1.01	0.15	-3.40e-05	-17.80	0.0	2.68	7.89	0.24	9.21e-03	0.02	0.0
		-0.58	0.02	5.88e-05	0.0	57.6	2.68	-9.91	0.24	9.21e-03	0.15	-0.58
144	194	1.12	-9.81e-03	-3.02e-05	-17.80	0.0	-2.15	8.34	-0.10	9.06e-03	-9.81e-03	0.0
		-0.32	-0.06	1.41e-04	0.0	57.6	-2.15	-9.46	-0.10	9.06e-03	-0.06	-0.32
144	195	0.81	0.07	-4.05e-05	-17.80	0.0	3.65	7.08	0.11	-9.75e-03	9.79e-03	0.0
		-1.05	9.79e-03	-1.48e-04	0.0	57.6	3.65	-10.72	0.11	-9.75e-03	0.07	-1.05
144	205	0.71	2.74e-03	-4.46e-05	-17.80	0.0	1.74	6.65	-9.09e-03	-0.01	2.74e-03	0.0
		-1.30	-3.23e-03	-6.67e-05	0.0	57.6	1.74	-11.15	-9.09e-03	-0.01	-3.23e-03	-1.30
144	208	1.25	9.34e-03	-2.70e-05	-17.80	0.0	-0.24	8.78	0.02	9.50e-03	-2.76e-03	0.0
		-0.07	-2.76e-03	5.89e-05	0.0	57.6	-0.24	-9.02	0.02	9.50e-03	9.34e-03	-0.07
144	214	0.92	-0.02	-3.61e-05	-17.80	0.0	-1.06	7.56	-0.26	-0.01	-0.02	0.0
		-0.77	-0.17	-1.15e-04	0.0	57.6	-1.06	-10.24	-0.26	-0.01	-0.17	-0.77
144	215	1.00	0.18	-3.43e-05	-17.80	0.0	2.56	7.86	0.27	0.01	0.02	0.0
		-0.60	0.02	1.07e-04	0.0	57.6	2.56	-9.94	0.27	0.01	0.18	-0.60
144	226	1.16	-0.01	-2.92e-05	-17.80	0.0	-2.73	8.48	-0.11	0.01	-0.01	0.0
		-0.24	-0.07	1.73e-04	0.0	57.6	-2.73	-9.33	-0.11	0.01	-0.07	-0.24
144	227	0.78	0.08	-4.18e-05	-17.80	0.0	4.23	6.95	0.12	-0.01	0.01	0.0
		-1.12	0.01	-1.81e-04	0.0	57.6	4.23	-10.85	0.12	-0.01	0.08	-1.12
144	237	0.67	3.31e-03	-4.65e-05	-17.80	0.0	1.93	6.45	-0.01	-0.01	3.31e-03	0.0
		-1.41	-4.09e-03	-7.94e-05	0.0	57.6	1.93	-11.35	-0.01	-0.01	-4.09e-03	-1.41
144	240	1.30	0.01	-2.55e-05	-17.80	0.0	-0.43	8.98	0.02	0.01	-3.34e-03	0.0
		0.0	-3.34e-03	7.16e-05	0.0	57.6	-0.43	-8.83	0.02	0.01	0.01	0.04
144	255	1.22	5.87e-03	-4.35e-05	-22.43	0.0	0.94	9.74	9.93e-03	-4.50e-04	8.70e-05	0.0
		-0.85	8.70e-05	-8.74e-06	0.0	57.6	0.94	-12.70	9.93e-03	-4.50e-04	5.87e-03	-0.85
144	264	1.01	8.15e-03	-3.76e-05	-18.96	0.0	0.86	8.16	0.01	-4.18e-04	1.13e-04	0.0
		-0.76	1.13e-04	-1.07e-05	0.0	57.6	0.86	-10.79	0.01	-4.18e-04	8.15e-03	-0.76
144	268	1.18	4.85e-03	-4.56e-05	-22.43	0.0	0.88	9.59	8.15e-03	-5.52e-04	6.75e-05	0.0
		-0.94	6.75e-05	-5.63e-06	0.0	57.6	0.88	-12.84	8.15e-03	-5.52e-04	4.85e-03	-0.94
144	273	0.57	3.62e-03	-2.36e-05	-10.86	0.0	0.33	4.65	6.00e-03	-3.59e-04	1.08e-04	0.0
		-0.45	1.08e-04	-3.04e-06	0.0	57.6	0.33	-6.21	6.00e-03	-3.59e-04	3.62e-03	-0.45
144	280	1.19	3.91e-03	-4.44e-05	-22.43	0.0	1.01	9.65	6.80e-03	-4.21e-04	-6.07e-05	0.0
		-0.90	-6.07e-05	-4.99e-06	0.0	57.6	1.01	-12.78	6.80e-03	-4.21e-04	3.91e-03	-0.90
144	286	0.57	2.91e-03	-2.24e-05	-10.86	0.0	0.60	4.66	5.25e-03	-1.68e-04	-1.26e-04	0.0
		-0.44	-1.26e-04	-2.22e-06	0.0	57.6	0.60	-6.20	5.25e-03	-1.68e-04	2.91e-03	-0.44
144	298	1.02	3.13e-03	-3.74e-05	-18.96	0.0	0.79	8.21	5.37e-03	-3.70e-04	-8.89e-06	0.0
		-0.73	-8.89e-06	-4.16e-06	0.0	57.6	0.79	-10.75	5.37e-03	-3.70e-04	3.13e-03	-0.73
144	305	0.96	3.89e-03	-3.51e-05	-17.80	0.0	0.75	7.72	6.64e-03	-3.52e-04	1.58e-05	0.0
		-0.68	1.58e-05	-5.16e-06	0.0	57.6	0.75	-10.08	6.64e-03	-3.52e-04	3.89e-03	-0.68
144	306	0.58	2.79e-03	-2.25e-05	-10.86	0.0	0.46	4.70	4.79e-03	-2.42e-04	-5.84e-06	0.0
		-0.42	-5.84e-06	-2.46e-06	0.0	57.6	0.46	-6.16	4.79e-03	-2.42e-04	2.79e-03	-0.42
144	308	0.59	2.47e-03	-2.20e-05	-10.86	0.0	0.50	4.72	4.34e-03	-1.99e-04	-4.86e-05	0.0
		-0.41	-4.86e-05	-2.25e-06	0.0	57.6	0.50	-6.14	4.34e-03	-1.99e-04	2.47e-03	-0.41
144	309	0.59	2.58e-03	-2.22e-05	-10.86	0.0	0.49	4.71	4.49e-03	-2.13e-04	-3.43e-05	0.0
		-0.41	-3.43e-05	-2.32e-06	0.0	57.6	0.49	-6.15	4.49e-03	-2.13e-04	2.58e-03	-0.41
144	310	0.96	3.06e-03	-3.52e-05	-17.80	0.0	0.75	7.71	5.24e-03	-3.48e-04	-1.25e-05	0.0
		-0.68	-1.25e-05	-3.90e-06	0.0	57.6	0.75	-10.09	5.24e-03	-3.48e-04	3.06e-03	-0.68

145	11	-1.39	-0.01	8.48e-05	-5.58	0.0	1.58	4.60	9.31e-03	0.0	-0.01	-2.38
		-2.38	-0.01	-1.22e-05	0.0	52.6	1.58	-0.98	9.31e-03	0.0	-0.01	-1.43
145	45	-0.23	-3.24e-03	4.84e-05	-2.08	0.0	0.59	1.78	3.84e-03	0.0	-5.26e-03	-0.63
		-0.63	-5.26e-03	-1.17e-05	0.0	52.6	0.59	-0.30	3.84e-03	0.0	-3.24e-03	-0.24
145	69	-0.49	-3.34e-03	3.38e-05	-2.08	0.0	0.50	1.67	1.89e-03	0.0	-4.33e-03	-0.84
		-0.84	-4.33e-03	-4.97e-06	0.0	52.6	0.50	-0.41	1.89e-03	0.0	-3.34e-03	-0.51
145	76	-1.29	-0.01	9.92e-05	-4.30	0.0	1.38	3.90	9.50e-03	0.0	-0.02	-2.22
		-2.22	-0.02	-1.59e-05	0.0	52.6	1.38	-0.40	9.50e-03	0.0	-0.01	-1.29
145	83	-1.31	-0.01	8.92e-05	-5.58	0.0	1.61	4.63	9.90e-03	0.0	-0.02	-2.32
		-2.32	-0.02	-1.42e-05	0.0	52.6	1.61	-0.95	9.90e-03	0.0	-0.01	-1.35
145	122	-3.28	-0.02	-3.34e-05	-2.22	0.0	1.40	0.69	5.04e-03	0.0	-0.02	-3.32
		-3.59	-0.02	3.88e-05	0.0	52.6	1.40	-1.53	5.04e-03	0.0	-0.02	-3.59
145	123	2.17	7.31e-03	1.42e-04	-2.22	0.0	1.04e-03	3.36	3.97e-03	0.0	5.22e-03	0.93
		0.93	5.22e-03	-5.55e-05	0.0	52.6	1.04e-03	1.14	3.97e-03	0.0	7.31e-03	2.17
145	130	-2.41	-0.02	6.07e-06	-2.22	0.0	1.83	2.07	0.01	0.0	-0.03	-2.76
		-2.76	-0.03	1.44e-04	0.0	52.6	1.83	-0.14	0.01	0.0	-0.02	-2.44
145	131	1.01	0.01	1.02e-04	-2.22	0.0	-0.43	1.97	-4.18e-03	0.0	0.01	0.38
		0.38	9.09e-03	-1.61e-04	0.0	52.6	-0.43	-0.25	-4.18e-03	0.0	9.09e-03	1.01
145	142	-2.16	-0.01	5.12e-06	-2.22	0.0	1.89	2.04	0.02	0.0	-0.02	-2.59
		-2.59	-0.02	5.17e-05	0.0	52.6	1.89	-0.18	0.02	0.0	-0.01	-2.17
145	143	0.75	6.14e-03	1.03e-04	-2.22	0.0	-0.49	2.00	-6.25e-03	0.0	6.14e-03	0.21
		0.21	2.96e-03	-6.84e-05	0.0	52.6	-0.49	-0.21	-6.25e-03	0.0	2.96e-03	0.75
145	154	-3.56	-0.02	-4.44e-05	-2.22	0.0	1.49	0.52	5.12e-03	0.0	-0.02	-3.58
		-3.95	-0.02	4.51e-05	0.0	52.6	1.49	-1.70	5.12e-03	0.0	-0.02	-3.95
145	155	2.53	8.93e-03	1.53e-04	-2.22	0.0	-0.09	3.52	3.89e-03	0.0	6.88e-03	1.20
		1.20	6.88e-03	-6.18e-05	0.0	52.6	-0.09	1.30	3.89e-03	0.0	8.93e-03	2.53
145	162	-2.62	-0.02	0.0	-2.22	0.0	1.98	2.08	0.01	0.0	-0.03	-2.96
		-2.96	-0.03	1.64e-04	0.0	52.6	1.98	-0.14	0.01	0.0	-0.02	-2.65
145	163	1.23	0.01	1.09e-04	-2.22	0.0	-0.58	1.97	-5.32e-03	0.0	0.01	0.58
		0.58	0.01	-1.81e-04	0.0	52.6	-0.58	-0.25	-5.32e-03	0.0	0.01	1.23
145	174	-2.34	-0.02	-1.25e-06	-2.22	0.0	2.05	2.05	0.02	0.0	-0.02	-2.77
		-2.77	-0.02	5.97e-05	0.0	52.6	2.05	-0.17	0.02	0.0	-0.02	-2.35
145	175	0.93	7.95e-03	1.10e-04	-2.22	0.0	-0.64	2.00	-7.66e-03	0.0	7.95e-03	0.39
		0.39	4.04e-03	-7.64e-05	0.0	52.6	-0.64	-0.22	-7.66e-03	0.0	4.04e-03	0.93
145	186	-3.54	-0.02	-4.37e-05	-2.22	0.0	1.50	0.54	5.25e-03	0.0	-0.02	-3.56
		-3.91	-0.02	4.74e-05	0.0	52.6	1.50	-1.68	5.25e-03	0.0	-0.02	-3.91
145	187	2.49	8.84e-03	1.52e-04	-2.22	0.0	-0.09	3.50	3.76e-03	0.0	6.86e-03	1.18
		1.18	6.86e-03	-6.41e-05	0.0	52.6	-0.09	1.28	3.76e-03	0.0	8.84e-03	2.49
145	194	-2.64	-0.02	-2.15e-06	-2.22	0.0	2.02	2.06	0.01	0.0	-0.03	-2.99
		-2.99	-0.03	1.70e-04	0.0	52.6	2.02	-0.16	0.01	0.0	-0.02	-2.67
145	195	1.24	0.01	1.11e-04	-2.22	0.0	-0.62	1.98	-5.58e-03	0.0	0.01	0.61
		0.61	0.01	-1.87e-04	0.0	52.6	-0.62	-0.24	-5.58e-03	0.0	0.01	1.24
145	206	-2.33	-0.02	-1.59e-06	-2.22	0.0	2.07	2.06	0.02	0.0	-0.02	-2.78
		-2.78	-0.02	6.22e-05	0.0	52.6	2.07	-0.16	0.02	0.0	-0.02	-2.34
145	207	0.92	8.12e-03	1.10e-04	-2.22	0.0	-0.67	1.98	-7.94e-03	0.0	8.12e-03	0.40
		0.40	4.05e-03	-7.89e-05	0.0	52.6	-0.67	-0.23	-7.94e-03	0.0	4.05e-03	0.92
145	218	-3.96	-0.02	-6.01e-05	-2.22	0.0	1.64	0.30	5.49e-03	0.0	-0.03	-3.96
		-4.45	-0.03	5.89e-05	0.0	52.6	1.64	-1.92	5.49e-03	0.0	-0.02	-4.45
145	219	3.02	0.01	1.68e-04	-2.22	0.0	-0.24	3.74	3.51e-03	0.0	9.46e-03	1.58
		1.58	9.46e-03	-7.57e-05	0.0	52.6	-0.24	1.52	3.51e-03	0.0	0.01	3.02
145	226	-3.00	-0.03	-1.34e-05	-2.22	0.0	2.29	2.07	0.02	0.0	-0.03	-3.34
		-3.34	-0.03	2.07e-04	0.0	52.6	2.29	-0.15	0.02	0.0	-0.03	-3.03
145	227	1.61	0.02	1.22e-04	-2.22	0.0	-0.89	1.98	-7.63e-03	0.0	0.02	0.95
		0.95	0.01	-2.24e-04	0.0	52.6	-0.89	-0.24	-7.63e-03	0.0	0.01	1.61
145	238	-2.61	-0.02	-1.14e-05	-2.22	0.0	2.33	2.08	0.02	0.0	-0.03	-3.06
		-3.06	-0.03	7.59e-05	0.0	52.6	2.33	-0.14	0.02	0.0	-0.02	-2.62
145	239	1.20	0.01	1.20e-04	-2.22	0.0	-0.93	1.96	-0.01	0.0	0.01	0.68
		0.68	5.74e-03	-9.26e-05	0.0	52.6	-0.93	-0.25	-0.01	0.0	5.74e-03	1.19
145	247	-0.98	-7.02e-03	5.95e-05	-3.92	0.0	1.11	3.22	6.42e-03	0.0	-0.01	-1.67
		-1.67	-0.01	-8.57e-06	0.0	52.6	1.11	-0.70	6.42e-03	0.0	-7.02e-03	-1.01
145	261	-0.36	-3.61e-03	4.57e-05	-2.22	0.0	0.63	1.87	3.82e-03	0.0	-5.62e-03	-0.77
		-0.77	-5.62e-03	-9.66e-06	0.0	52.6	0.63	-0.35	3.82e-03	0.0	-3.61e-03	-0.37
145	273	-0.53	-3.67e-03	3.60e-05	-2.22	0.0	0.57	1.80	2.51e-03	0.0	-5.00e-03	-0.92
		-0.92	-5.00e-03	-5.20e-06	0.0	52.6	0.57	-0.42	2.51e-03	0.0	-3.67e-03	-0.55
145	280	-0.91	-7.35e-03	6.92e-05	-3.07	0.0	0.97	2.76	6.55e-03	0.0	-0.01	-1.56
		-1.56	-0.01	-1.10e-05	0.0	52.6	0.97	-0.31	6.55e-03	0.0	-7.35e-03	-0.92
145	283	-0.92	-7.00e-03	6.25e-05	-3.92	0.0	1.13	3.24	6.81e-03	0.0	-0.01	-1.63
		-1.63	-0.01	-9.90e-06	0.0	52.6	1.13	-0.68	6.81e-03	0.0	-7.00e-03	-0.95
145	298	-0.73	-5.87e-03	5.73e-05	-2.22	0.0	0.72	2.06	4.73e-03	0.0	-8.36e-03	-1.23
		-1.23	-8.36e-03	-8.91e-06	0.0	52.6	0.72	-0.16	4.73e-03	0.0	-5.87e-03	-0.74
145	301	-0.75	-5.79e-03	5.52e-05	-2.56	0.0	0.78	2.26	4.88e-03	0.0	-8.36e-03	-1.27
		-1.27	-8.36e-03	-8.56e-06	0.0	52.6	0.78	-0.30	4.88e-03	0.0	-5.79e-03	-0.75
145	304	-0.51	-3.74e-03	3.75e-05	-2.22	0.0	0.62	1.82	3.28e-03	0.0	-5.46e-03	-0.90
		-0.90	-5.46e-03	-5.96e-06	0.0	52.6	0.62	-0.40	3.28e-03	0.0	-3.74e-03	-0.53
145	306	-0.55	-3.75e-03	3.55e-05	-2.22	0.0	0.61	1.80	3.02e-03	0.0	-5.34e-03	-0.93

		-0.93	-5.34e-03	-5.06e-06	0.0	52.6	0.61	-0.42	3.02e-03	0.0	-3.75e-03	-0.57
145	309	-0.55	-3.77e-03	3.54e-05	-2.22	0.0	0.62	1.80	3.14e-03	0.0	-5.42e-03	-0.94
		-0.94	-5.42e-03	-5.03e-06	0.0	52.6	0.62	-0.41	3.14e-03	0.0	-3.77e-03	-0.57
145	310	-0.71	-5.57e-03	5.42e-05	-2.22	0.0	0.70	2.02	4.50e-03	0.0	-7.94e-03	-1.19
		-1.19	-7.94e-03	-8.35e-06	0.0	52.6	0.70	-0.20	4.50e-03	0.0	-5.57e-03	-0.71
146	4	-0.51	-0.01	8.61e-05	-4.30	0.0	0.90	3.77	-0.02	0.0	-0.01	-1.38
		-1.38	-0.02	-1.49e-05	0.0	52.6	0.90	-0.54	-0.02	0.0	-0.02	-0.53
146	11	-0.50	-0.01	7.64e-05	-5.58	0.0	1.08	4.45	-0.02	0.0	-0.01	-1.43
		-1.43	-0.02	-1.31e-05	0.0	52.6	1.08	-1.13	-0.02	0.0	-0.02	-0.56
146	45	0.11	-3.24e-03	4.83e-05	-2.08	0.0	0.34	1.66	-4.88e-03	0.0	-3.24e-03	-0.24
		-0.24	-5.80e-03	-1.20e-05	0.0	52.6	0.34	-0.41	-4.88e-03	0.0	-5.80e-03	0.09
146	69	-0.18	-3.34e-03	3.06e-05	-2.08	0.0	0.31	1.63	-6.53e-03	0.0	-3.34e-03	-0.51
		-0.51	-6.77e-03	-5.30e-06	0.0	52.6	0.31	-0.44	-6.53e-03	0.0	-6.77e-03	-0.20
146	83	-0.41	-0.01	8.17e-05	-5.58	0.0	1.09	4.45	-0.02	0.0	-0.01	-1.35
		-1.35	-0.02	-1.51e-05	0.0	52.6	1.09	-1.13	-0.02	0.0	-0.02	-0.47
146	114	-2.38	-0.02	-1.09e-05	-2.22	0.0	1.15	1.45	-0.03	0.0	-0.02	-2.61
		-2.61	-0.04	-1.44e-05	0.0	52.6	1.15	-0.77	-0.03	0.0	-0.04	-2.46
146	115	1.94	0.02	1.10e-04	-2.22	0.0	-0.23	2.50	0.01	0.0	0.01	1.18
		1.18	0.01	-3.42e-06	0.0	52.6	-0.23	0.29	0.01	0.0	0.02	1.94
146	122	-3.47	-0.02	-5.35e-05	-2.22	0.0	1.36	1.06	-0.03	0.0	-0.02	-3.59
		-3.65	-0.03	3.81e-05	0.0	52.6	1.36	-1.16	-0.03	0.0	-0.03	-3.65
146	123	3.14	0.01	1.53e-04	-2.22	0.0	-0.45	2.89	7.59e-03	0.0	7.31e-03	2.17
		2.17	7.31e-03	-5.59e-05	0.0	52.6	-0.45	0.67	7.59e-03	0.0	0.01	3.14
146	134	-2.38	-0.02	1.69e-05	-2.22	0.0	1.71	1.94	-0.02	0.0	-0.02	-2.73
		-2.73	-0.03	1.56e-04	0.0	52.6	1.71	-0.27	-0.02	0.0	-0.03	-2.41
146	135	1.89	8.07e-03	8.21e-05	-2.22	0.0	-0.79	2.01	5.74e-04	0.0	8.07e-03	1.31
		1.31	4.18e-03	-1.74e-04	0.0	52.6	-0.79	-0.21	5.74e-04	0.0	4.18e-03	1.89
146	146	-2.63	-0.02	-1.83e-05	-2.22	0.0	1.23	1.38	-0.04	0.0	-0.02	-2.84
		-2.84	-0.04	-1.55e-05	0.0	52.6	1.23	-0.84	-0.04	0.0	-0.04	-2.72
146	147	2.21	0.02	1.17e-04	-2.22	0.0	-0.32	2.57	0.02	0.0	0.01	1.42
		1.42	0.01	-2.33e-06	0.0	52.6	-0.32	0.35	0.02	0.0	0.02	2.21
146	154	-3.86	-0.02	-6.64e-05	-2.22	0.0	1.48	0.94	-0.03	0.0	-0.02	-3.95
		-4.07	-0.03	4.44e-05	0.0	52.6	1.48	-1.27	-0.03	0.0	-0.03	-4.07
146	155	3.56	0.01	1.66e-04	-2.22	0.0	-0.56	3.01	9.70e-03	0.0	8.93e-03	2.53
		2.53	8.93e-03	-6.22e-05	0.0	52.6	-0.56	0.79	9.70e-03	0.0	0.01	3.56
146	166	-2.65	-0.02	1.23e-05	-2.22	0.0	1.87	1.94	-0.02	0.0	-0.02	-2.99
		-2.99	-0.03	1.78e-04	0.0	52.6	1.87	-0.28	-0.02	0.0	-0.03	-2.68
146	167	2.17	9.84e-03	8.68e-05	-2.22	0.0	-0.96	2.01	1.82e-03	0.0	9.84e-03	1.56
		1.56	6.06e-03	-1.96e-04	0.0	52.6	-0.96	-0.21	1.82e-03	0.0	6.06e-03	2.17
146	178	-2.58	-0.02	-1.72e-05	-2.22	0.0	1.24	1.39	-0.03	0.0	-0.02	-2.80
		-2.80	-0.04	-1.74e-05	0.0	52.6	1.24	-0.83	-0.03	0.0	-0.04	-2.67
146	179	2.16	0.02	1.16e-04	-2.22	0.0	-0.33	2.56	0.02	0.0	0.01	1.38
		1.38	0.01	0.0	0.0	52.6	-0.33	0.34	0.02	0.0	0.02	2.16
146	186	-3.82	-0.02	-6.57e-05	-2.22	0.0	1.48	0.96	-0.03	0.0	-0.02	-3.91
		-4.02	-0.03	4.67e-05	0.0	52.6	1.48	-1.26	-0.03	0.0	-0.03	-4.02
146	187	3.51	0.01	1.65e-04	-2.22	0.0	-0.56	2.99	9.36e-03	0.0	8.84e-03	2.49
		2.49	8.84e-03	-6.45e-05	0.0	52.6	-0.56	0.77	9.36e-03	0.0	0.01	3.51
146	198	-2.65	-0.02	9.11e-06	-2.22	0.0	1.91	1.94	-0.02	0.0	-0.02	-3.00
		-3.00	-0.03	1.86e-04	0.0	52.6	1.91	-0.28	-0.02	0.0	-0.03	-2.68
146	199	2.16	0.01	9.00e-05	-2.22	0.0	-1.00	2.01	1.67e-03	0.0	0.01	1.58
		1.58	6.17e-03	-2.04e-04	0.0	52.6	-1.00	-0.21	1.67e-03	0.0	6.17e-03	2.16
146	210	-2.97	-0.03	-2.84e-05	-2.22	0.0	1.39	1.30	-0.04	0.0	-0.03	-3.15
		-3.15	-0.05	-2.02e-05	0.0	52.6	1.39	-0.92	-0.04	0.0	-0.05	-3.08
146	211	2.56	0.02	1.27e-04	-2.22	0.0	-0.47	2.65	0.02	0.0	0.02	1.73
		1.73	0.02	2.43e-06	0.0	52.6	-0.47	0.44	0.02	0.0	0.02	2.56
146	218	-4.38	-0.02	-8.50e-05	-2.22	0.0	1.66	0.80	-0.03	0.0	-0.02	-4.45
		-4.65	-0.04	5.82e-05	0.0	52.6	1.66	-1.42	-0.03	0.0	-0.04	-4.65
146	219	4.13	0.02	1.84e-04	-2.22	0.0	-0.74	3.15	0.01	0.0	0.01	3.02
		3.02	0.01	-7.60e-05	0.0	52.6	-0.74	0.93	0.01	0.0	0.02	4.13
146	230	-3.08	-0.02	0.0	-2.22	0.0	2.20	1.93	-0.02	0.0	-0.02	-3.42
		-3.42	-0.03	2.26e-04	0.0	52.6	2.20	-0.28	-0.02	0.0	-0.03	-3.11
146	231	2.60	0.01	9.86e-05	-2.22	0.0	-1.29	2.01	3.62e-03	0.0	0.01	2.00
		2.00	9.22e-03	-2.44e-04	0.0	52.6	-1.29	-0.20	3.62e-03	0.0	9.22e-03	2.60
146	244	-0.36	-7.37e-03	6.00e-05	-3.07	0.0	0.64	2.67	-0.01	0.0	-7.37e-03	-0.97
		-0.97	-0.01	-1.04e-05	0.0	52.6	0.64	-0.40	-0.01	0.0	-0.01	-0.38
146	247	-0.35	-7.02e-03	5.36e-05	-3.92	0.0	0.76	3.12	-0.01	0.0	-7.02e-03	-1.01
		-1.01	-0.01	-9.25e-06	0.0	52.6	0.76	-0.80	-0.01	0.0	-0.01	-0.40
146	261	-2.07e-04	-3.61e-03	4.44e-05	-2.22	0.0	0.39	1.77	-5.74e-03	0.0	-3.61e-03	-0.37
		-0.37	-6.63e-03	-1.00e-05	0.0	52.6	0.39	-0.44	-5.74e-03	0.0	-6.63e-03	-0.02
146	273	-0.19	-3.67e-03	3.26e-05	-2.22	0.0	0.37	1.75	-6.85e-03	0.0	-3.67e-03	-0.55
		-0.55	-7.27e-03	-5.56e-06	0.0	52.6	0.37	-0.46	-6.85e-03	0.0	-7.27e-03	-0.22
146	283	-0.30	-7.00e-03	5.72e-05	-3.92	0.0	0.77	3.13	-0.01	0.0	-7.00e-03	-0.95
		-0.95	-0.01	-1.06e-05	0.0	52.6	0.77	-0.79	-0.01	0.0	-0.01	-0.34
146	298	-0.26	-5.87e-03	5.25e-05	-2.22	0.0	0.46	2.01	-9.97e-03	0.0	-5.87e-03	-0.74
		-0.74	-0.01	-9.48e-06	0.0	52.6	0.46	-0.21	-9.97e-03	0.0	-0.01	-0.26

146	301	-0.26	-5.79e-03	5.05e-05	-2.56	0.0	0.51	2.20	-9.88e-03	0.0	-5.79e-03	-0.75
		-0.75	-0.01	-9.12e-06	0.0	52.6	0.51	-0.36	-9.88e-03	0.0	-0.01	-0.27
146	304	-0.16	-3.74e-03	3.43e-05	-2.22	0.0	0.41	1.77	-6.33e-03	0.0	-3.74e-03	-0.53
		-0.53	-7.07e-03	-6.32e-06	0.0	52.6	0.41	-0.45	-6.33e-03	0.0	-7.07e-03	-0.19
146	306	-0.20	-3.75e-03	3.20e-05	-2.22	0.0	0.41	1.76	-6.55e-03	0.0	-3.75e-03	-0.57
		-0.57	-7.19e-03	-5.43e-06	0.0	52.6	0.41	-0.45	-6.55e-03	0.0	-7.19e-03	-0.23
146	309	-0.20	-3.77e-03	3.18e-05	-2.22	0.0	0.42	1.77	-6.47e-03	0.0	-3.77e-03	-0.57
		-0.57	-7.18e-03	-5.40e-06	0.0	52.6	0.42	-0.45	-6.47e-03	0.0	-7.18e-03	-0.23
146	310	-0.25	-5.57e-03	4.95e-05	-2.22	0.0	0.46	1.97	-9.47e-03	0.0	-5.57e-03	-0.71
		-0.71	-0.01	-8.89e-06	0.0	52.6	0.46	-0.24	-9.47e-03	0.0	-0.01	-0.26
147	4	0.11	-0.02	8.88e-05	-4.30	0.0	0.51	3.22	-0.01	0.0	-0.02	-0.53
		-0.53	-0.03	-1.70e-05	0.0	52.6	0.51	-1.09	-0.01	0.0	-0.03	0.03
147	11	0.16	-0.02	7.92e-05	-5.58	0.0	0.66	3.92	-9.73e-03	0.0	-0.02	-0.56
		-0.56	-0.02	-1.51e-05	0.0	52.6	0.66	-1.66	-9.73e-03	0.0	-0.02	0.03
147	18	0.04	-0.02	7.04e-05	-4.30	0.0	0.53	3.16	-9.06e-03	0.0	-0.02	-0.57
		-0.57	-0.02	-1.27e-05	0.0	52.6	0.53	-1.14	-9.06e-03	0.0	-0.02	-0.04
147	44	0.43	-0.02	1.05e-04	-4.30	0.0	0.41	2.98	-8.91e-03	0.0	-0.02	-0.11
		-0.11	-0.02	-2.30e-05	0.0	52.6	0.41	-1.33	-8.91e-03	0.0	-0.02	0.33
147	45	0.32	-5.80e-03	5.30e-05	-2.08	0.0	0.16	1.34	-3.59e-03	0.0	-5.80e-03	0.09
		0.09	-7.69e-03	-1.26e-05	0.0	52.6	0.16	-0.74	-3.59e-03	0.0	-7.69e-03	0.25
147	114	-1.99	-0.04	-7.68e-05	-2.22	0.0	0.85	2.00	-0.02	0.0	-0.04	-2.46
		-2.46	-0.05	-2.33e-05	0.0	52.6	0.85	-0.22	-0.02	0.0	-0.05	-1.99
147	115	2.16	0.02	1.79e-04	-2.22	0.0	-0.34	1.34	8.61e-03	0.0	0.02	1.94
		1.94	0.02	3.32e-06	0.0	52.6	-0.34	-0.88	8.61e-03	0.0	0.02	2.07
147	122	-3.10	-0.03	-1.33e-04	-2.22	0.0	1.13	2.17	-0.01	0.0	-0.03	-3.65
		-3.65	-0.04	3.72e-05	0.0	52.6	1.13	-0.05	-0.01	0.0	-0.04	-3.10
147	123	3.30	0.01	2.36e-04	-2.22	0.0	-0.62	1.17	3.71e-03	0.0	0.01	3.14
		3.14	0.01	-5.72e-05	0.0	52.6	-0.62	-1.05	3.71e-03	0.0	0.01	3.18
147	134	-1.90	-0.03	-1.34e-04	-2.22	0.0	1.38	2.09	-0.02	0.0	-0.03	-2.41
		-2.41	-0.04	1.55e-04	0.0	52.6	1.38	-0.13	-0.02	0.0	-0.04	-1.91
147	135	2.09	8.71e-03	2.36e-04	-2.22	0.0	-0.87	1.25	9.25e-03	0.0	4.18e-03	1.89
		1.89	4.18e-03	-1.75e-04	0.0	52.6	-0.87	-0.96	9.25e-03	0.0	8.71e-03	1.98
147	146	-2.24	-0.04	-9.23e-05	-2.22	0.0	0.93	2.04	-0.02	0.0	-0.04	-2.72
		-2.72	-0.05	-2.52e-05	0.0	52.6	0.93	-0.18	-0.02	0.0	-0.05	-2.24
147	147	2.41	0.02	1.95e-04	-2.22	0.0	-0.42	1.30	0.01	0.0	0.02	2.21
		2.21	0.02	5.29e-06	0.0	52.6	-0.42	-0.92	0.01	0.0	0.02	2.32
147	154	-3.49	-0.03	-1.56e-04	-2.22	0.0	1.24	2.23	-0.02	0.0	-0.03	-4.07
		-4.07	-0.04	4.35e-05	0.0	52.6	1.24	0.02	-0.02	0.0	-0.04	-3.49
147	155	3.71	0.02	2.59e-04	-2.22	0.0	-0.73	1.10	4.89e-03	0.0	0.01	3.56
		3.56	0.01	-6.35e-05	0.0	52.6	-0.73	-1.11	4.89e-03	0.0	0.02	3.57
147	166	-2.15	-0.03	-1.57e-04	-2.22	0.0	1.52	2.14	-0.02	0.0	-0.03	-2.68
		-2.68	-0.04	1.77e-04	0.0	52.6	1.52	-0.08	-0.02	0.0	-0.04	-2.15
147	167	2.34	0.01	2.59e-04	-2.22	0.0	-1.02	1.20	0.01	0.0	6.06e-03	2.17
		2.17	6.06e-03	-1.97e-04	0.0	52.6	-1.02	-1.02	0.01	0.0	0.01	2.22
147	178	-2.19	-0.04	-8.85e-05	-2.22	0.0	0.93	2.03	-0.02	0.0	-0.04	-2.67
		-2.67	-0.05	-2.66e-05	0.0	52.6	0.93	-0.18	-0.02	0.0	-0.05	-2.19
147	179	2.36	0.02	1.91e-04	-2.22	0.0	-0.42	1.30	0.01	0.0	0.02	2.16
		2.16	0.02	6.69e-06	0.0	52.6	-0.42	-0.91	0.01	0.0	0.02	2.27
147	186	-3.44	-0.03	-1.53e-04	-2.22	0.0	1.24	2.23	-0.02	0.0	-0.03	-4.02
		-4.02	-0.04	4.58e-05	0.0	52.6	1.24	0.01	-0.02	0.0	-0.04	-3.44
147	187	3.66	0.01	2.55e-04	-2.22	0.0	-0.73	1.11	4.87e-03	0.0	0.01	3.51
		3.51	0.01	-6.58e-05	0.0	52.6	-0.73	-1.11	4.87e-03	0.0	0.01	3.52
147	198	-2.14	-0.03	-1.53e-04	-2.22	0.0	1.56	2.15	-0.02	0.0	-0.03	-2.68
		-2.68	-0.04	1.84e-04	0.0	52.6	1.56	-0.07	-0.02	0.0	-0.04	-2.14
147	199	2.34	0.01	2.55e-04	-2.22	0.0	-1.05	1.19	0.01	0.0	6.17e-03	2.16
		2.16	6.17e-03	-2.04e-04	0.0	52.6	-1.05	-1.03	0.01	0.0	0.01	2.22
147	210	-2.56	-0.05	-1.12e-04	-2.22	0.0	1.06	2.10	-0.02	0.0	-0.05	-3.08
		-3.08	-0.06	-3.06e-05	0.0	52.6	1.06	-0.12	-0.02	0.0	-0.06	-2.56
147	211	2.75	0.03	2.14e-04	-2.22	0.0	-0.55	1.24	0.01	0.0	0.02	2.56
		2.56	0.02	1.06e-05	0.0	52.6	-0.55	-0.98	0.01	0.0	0.03	2.64
147	218	-4.02	-0.04	-1.86e-04	-2.22	0.0	1.41	2.32	-0.02	0.0	-0.04	-4.65
		-4.65	-0.05	5.73e-05	0.0	52.6	1.41	0.11	-0.02	0.0	-0.05	-4.02
147	219	4.26	0.02	2.89e-04	-2.22	0.0	-0.90	1.02	6.74e-03	0.0	0.02	4.13
		4.09	0.02	-7.72e-05	0.0	52.6	-0.90	-1.20	6.74e-03	0.0	0.02	4.09
147	230	-2.53	-0.03	-1.88e-04	-2.22	0.0	1.82	2.24	-0.03	0.0	-0.03	-3.11
		-3.11	-0.04	2.24e-04	0.0	52.6	1.82	0.02	-0.03	0.0	-0.04	-2.53
147	231	2.75	0.02	2.90e-04	-2.22	0.0	-1.31	1.10	0.02	0.0	9.22e-03	2.60
		2.60	9.22e-03	-2.44e-04	0.0	52.6	-1.31	-1.12	0.02	0.0	0.02	2.61
147	244	0.07	-0.01	6.19e-05	-3.07	0.0	0.37	2.29	-7.20e-03	0.0	-0.01	-0.38
		-0.38	-0.02	-1.19e-05	0.0	52.6	0.37	-0.78	-7.20e-03	0.0	-0.02	0.02
147	247	0.11	-0.01	5.55e-05	-3.92	0.0	0.46	2.75	-6.83e-03	0.0	-0.01	-0.40
		-0.40	-0.02	-1.06e-05	0.0	52.6	0.46	-1.17	-6.83e-03	0.0	-0.02	0.02
147	251	0.03	-0.01	4.96e-05	-3.07	0.0	0.37	2.25	-6.39e-03	0.0	-0.01	-0.40
		-0.40	-0.02	-9.03e-06	0.0	52.6	0.37	-0.82	-6.39e-03	0.0	-0.02	-0.03
147	261	0.24	-6.63e-03	4.80e-05	-2.22	0.0	0.20	1.48	-3.89e-03	0.0	-6.63e-03	-0.02

		-0.02	-8.68e-03	-1.07e-05	0.0	52.6	0.20	-0.74	-3.89e-03	0.0	-8.68e-03	0.17
147	264	0.29	-0.01	7.24e-05	-3.07	0.0	0.30	2.13	-6.29e-03	0.0	-0.01	-0.09
		-0.09	-0.01	-1.59e-05	0.0	52.6	0.30	-0.94	-6.29e-03	0.0	-0.01	0.22
147	298	0.08	-0.01	5.44e-05	-2.22	0.0	0.25	1.69	-5.89e-03	0.0	-0.01	-0.26
		-0.26	-0.01	-1.06e-05	0.0	52.6	0.25	-0.53	-5.89e-03	0.0	-0.01	0.04
147	301	0.09	-0.01	5.24e-05	-2.56	0.0	0.29	1.88	-5.80e-03	0.0	-0.01	-0.27
		-0.27	-0.01	-1.03e-05	0.0	52.6	0.29	-0.68	-5.80e-03	0.0	-0.01	0.04
147	303	0.06	-0.01	4.98e-05	-2.22	0.0	0.26	1.68	-5.62e-03	0.0	-0.01	-0.28
		-0.28	-0.01	-9.52e-06	0.0	52.6	0.26	-0.54	-5.62e-03	0.0	-0.01	0.02
147	304	0.10	-7.07e-03	3.58e-05	-2.22	0.0	0.24	1.55	-3.95e-03	0.0	-7.07e-03	-0.19
		-0.19	-9.14e-03	-7.04e-06	0.0	52.6	0.24	-0.67	-3.95e-03	0.0	-9.14e-03	0.04
147	305	0.11	-0.01	5.43e-05	-2.22	0.0	0.24	1.65	-5.60e-03	0.0	-0.01	-0.22
		-0.22	-0.01	-1.09e-05	0.0	52.6	0.24	-0.56	-5.60e-03	0.0	-0.01	0.07
147	309	0.06	-7.18e-03	3.28e-05	-2.22	0.0	0.25	1.56	-3.96e-03	0.0	-7.18e-03	-0.23
		-0.23	-9.26e-03	-6.13e-06	0.0	52.6	0.25	-0.66	-3.96e-03	0.0	-9.26e-03	0.01
147	310	0.07	-0.01	5.13e-05	-2.22	0.0	0.25	1.67	-5.62e-03	0.0	-0.01	-0.26
		-0.26	-0.01	-9.98e-06	0.0	52.6	0.25	-0.55	-5.62e-03	0.0	-0.01	0.04
148	4	0.41	-0.02	9.79e-05	-4.30	0.0	0.24	2.50	1.36e-03	0.0	-0.03	0.03
		0.03	-0.03	-1.96e-05	0.0	52.6	0.24	-1.80	1.36e-03	0.0	-0.02	0.22
148	9	0.46	-0.02	5.41e-05	-5.58	0.0	0.35	3.19	2.23e-03	0.0	-0.02	-0.02
		-0.02	-0.02	-1.01e-05	0.0	52.6	0.35	-2.39	2.23e-03	0.0	-0.02	0.20
148	19	0.11	-8.75e-03	2.07e-05	-2.08	0.0	0.14	1.33	4.89e-04	0.0	-9.00e-03	-0.12
		-0.12	-9.00e-03	-3.25e-06	0.0	52.6	0.14	-0.75	4.89e-04	0.0	-8.75e-03	0.04
148	35	0.66	-0.02	1.12e-04	-5.58	0.0	0.28	2.95	1.10e-03	0.0	-0.02	0.25
		0.25	-0.02	-2.37e-05	0.0	52.6	0.28	-2.63	1.10e-03	0.0	-0.02	0.33
148	47	0.40	-0.02	9.46e-05	-2.08	0.0	0.04	0.93	-1.42e-03	0.0	-0.02	0.29
		0.24	-0.02	-2.08e-05	0.0	52.6	0.04	-1.15	-1.42e-03	0.0	-0.02	0.24
148	69	0.20	-7.53e-03	3.51e-05	-2.08	0.0	0.07	1.19	1.30e-03	0.0	-8.21e-03	0.02
		0.02	-8.21e-03	-6.84e-06	0.0	52.6	0.07	-0.89	1.30e-03	0.0	-7.53e-03	0.10
148	114	-1.01	-0.05	-8.08e-05	-2.22	0.0	0.50	2.99	-3.34e-04	0.0	-0.05	-1.99
		-1.99	-0.05	-3.25e-05	0.0	52.6	0.50	0.77	-3.34e-04	0.0	-0.05	-1.01
148	115	2.07	0.02	1.94e-04	-2.22	0.0	-0.28	-0.45	2.34e-04	0.0	0.02	2.07
		1.25	0.02	9.80e-06	0.0	52.6	-0.28	-2.67	2.34e-04	0.0	0.02	1.25
148	122	-1.60	-0.04	-1.54e-04	-2.22	0.0	0.71	3.97	1.16e-03	0.0	-0.04	-3.10
		-3.10	-0.04	3.58e-05	0.0	52.6	0.71	1.75	1.16e-03	0.0	-0.04	-1.60
148	123	3.18	0.01	2.67e-04	-2.22	0.0	-0.49	-1.43	-1.26e-03	0.0	0.01	3.18
		1.84	0.01	-5.85e-05	0.0	52.6	-0.49	-3.65	-1.26e-03	0.0	0.01	1.84
148	134	-0.98	-0.04	-8.32e-05	-2.22	0.0	0.87	2.88	-0.01	0.0	-0.04	-1.91
		-1.91	-0.04	1.52e-04	0.0	52.6	0.87	0.66	-0.01	0.0	-0.04	-0.98
148	135	1.98	0.02	1.96e-04	-2.22	0.0	-0.65	-0.34	0.01	0.0	8.71e-03	1.98
		1.22	8.71e-03	-1.75e-04	0.0	52.6	-0.65	-2.56	0.01	0.0	0.02	1.22
148	146	-1.14	-0.05	-9.76e-05	-2.22	0.0	0.55	3.20	-3.82e-04	0.0	-0.05	-2.24
		-2.24	-0.05	-3.54e-05	0.0	52.6	0.55	0.98	-3.82e-04	0.0	-0.05	-1.14
148	147	2.32	0.03	2.11e-04	-2.22	0.0	-0.32	-0.66	2.81e-04	0.0	0.02	2.32
		1.39	0.02	1.27e-05	0.0	52.6	-0.32	-2.87	2.81e-04	0.0	0.03	1.39
148	154	-1.81	-0.04	-1.81e-04	-2.22	0.0	0.79	4.31	1.27e-03	0.0	-0.04	-3.49
		-3.49	-0.04	4.21e-05	0.0	52.6	0.79	2.09	1.27e-03	0.0	-0.04	-1.81
148	155	3.57	0.02	2.93e-04	-2.22	0.0	-0.57	-1.76	-1.37e-03	0.0	0.02	3.57
		2.06	0.01	-6.48e-05	0.0	52.6	-0.57	-3.98	-1.37e-03	0.0	0.01	2.06
148	166	-1.11	-0.04	-1.01e-04	-2.22	0.0	0.97	3.08	-0.02	0.0	-0.04	-2.15
		-2.15	-0.05	1.74e-04	0.0	52.6	0.97	0.86	-0.02	0.0	-0.05	-1.11
148	167	2.22	0.02	2.14e-04	-2.22	0.0	-0.75	-0.54	0.02	0.0	0.01	2.22
		1.36	0.01	-1.97e-04	0.0	52.6	-0.75	-2.76	0.02	0.0	0.02	1.36
148	178	-1.12	-0.05	-9.45e-05	-2.22	0.0	0.55	3.16	-4.64e-04	0.0	-0.05	-2.19
		-2.19	-0.05	-3.63e-05	0.0	52.6	0.55	0.94	-4.64e-04	0.0	-0.05	-1.12
148	179	2.27	0.03	2.07e-04	-2.22	0.0	-0.33	-0.61	3.63e-04	0.0	0.02	2.27
		1.36	0.02	1.35e-05	0.0	52.6	-0.33	-2.83	3.63e-04	0.0	0.03	1.36
148	186	-1.78	-0.04	-1.78e-04	-2.22	0.0	0.79	4.26	9.79e-04	0.0	-0.04	-3.44
		-3.44	-0.04	4.43e-05	0.0	52.6	0.79	2.05	9.79e-04	0.0	-0.04	-1.78
148	187	3.52	0.01	2.91e-04	-2.22	0.0	-0.57	-1.72	-1.08e-03	0.0	0.01	3.52
		2.03	0.01	-6.71e-05	0.0	52.6	-0.57	-3.94	-1.08e-03	0.0	0.01	2.03
148	198	-1.11	-0.04	-1.01e-04	-2.22	0.0	1.00	3.07	-0.02	0.0	-0.04	-2.14
		-2.14	-0.05	1.81e-04	0.0	52.6	1.00	0.85	-0.02	0.0	-0.05	-1.11
148	199	2.22	0.02	2.14e-04	-2.22	0.0	-0.77	-0.53	0.02	0.0	0.01	2.22
		1.36	0.01	-2.04e-04	0.0	52.6	-0.77	-2.75	0.02	0.0	0.02	1.36
148	210	-1.32	-0.06	-1.20e-04	-2.22	0.0	0.63	3.47	-5.98e-04	0.0	-0.06	-2.56
		-2.56	-0.06	-4.13e-05	0.0	52.6	0.63	1.25	-5.98e-04	0.0	-0.06	-1.32
148	211	2.64	0.03	2.33e-04	-2.22	0.0	-0.41	-0.93	4.97e-04	0.0	0.03	2.64
		1.57	0.03	1.86e-05	0.0	52.6	-0.41	-3.15	4.97e-04	0.0	0.03	1.57
148	218	-2.10	-0.05	-2.17e-04	-2.22	0.0	0.91	4.76	9.25e-04	0.0	-0.05	-4.02
		-4.02	-0.05	5.57e-05	0.0	52.6	0.91	2.54	9.25e-04	0.0	-0.05	-2.10
148	219	4.09	0.02	3.29e-04	-2.22	0.0	-0.69	-2.21	-1.03e-03	0.0	0.02	4.09
		2.35	0.02	-7.84e-05	0.0	52.6	-0.69	-4.43	-1.03e-03	0.0	0.02	2.35
148	230	-1.33	-0.04	-1.30e-04	-2.22	0.0	1.17	3.39	-0.02	0.0	-0.04	-2.53
		-2.53	-0.05	2.21e-04	0.0	52.6	1.17	1.17	-0.02	0.0	-0.05	-1.33

148	231	2.61	0.03	2.43e-04	-2.22	0.0	-0.95	-0.85	0.02	0.0	0.02	2.61
		1.58	0.02	-2.44e-04	0.0	52.6	-0.95	-3.06	0.02	0.0	0.03	1.58
148	244	0.29	-0.02	6.82e-05	-3.07	0.0	0.17	1.78	8.40e-04	0.0	-0.02	0.02
		0.02	-0.02	-1.37e-05	0.0	52.6	0.17	-1.29	8.40e-04	0.0	-0.02	0.15
148	245	0.33	-0.01	3.91e-05	-3.92	0.0	0.25	2.25	1.42e-03	0.0	-0.01	-0.01
		-0.01	-0.01	-7.38e-06	0.0	52.6	0.25	-1.67	1.42e-03	0.0	-0.01	0.14
148	248	0.15	-9.36e-03	2.79e-05	-2.22	0.0	0.14	1.36	3.62e-04	0.0	-9.55e-03	-0.07
		-0.07	-9.55e-03	-4.84e-06	0.0	52.6	0.14	-0.86	3.62e-04	0.0	-9.36e-03	0.06
148	259	0.46	-0.02	7.79e-05	-3.92	0.0	0.20	2.09	6.64e-04	0.0	-0.02	0.16
		0.16	-0.02	-1.64e-05	0.0	52.6	0.20	-1.83	6.64e-04	0.0	-0.02	0.23
148	263	0.35	-0.01	7.72e-05	-2.22	0.0	0.07	1.09	-9.14e-04	0.0	-0.01	0.20
		0.20	-0.01	-1.66e-05	0.0	52.6	0.07	-1.12	-9.14e-04	0.0	-0.01	0.20
148	273	0.21	-8.55e-03	3.75e-05	-2.22	0.0	0.09	1.27	9.02e-04	0.0	-9.02e-03	0.02
		0.02	-9.02e-03	-7.23e-06	0.0	52.6	0.09	-0.95	9.02e-04	0.0	-8.55e-03	0.10
148	298	0.23	-0.01	5.97e-05	-2.22	0.0	0.11	1.27	-4.68e-05	0.0	-0.01	0.04
		0.04	-0.01	-1.21e-05	0.0	52.6	0.11	-0.95	-4.68e-05	0.0	-0.01	0.13
148	299	0.23	-9.70e-03	3.82e-05	-2.56	0.0	0.15	1.46	1.74e-04	0.0	-9.79e-03	0.02
		0.02	-9.79e-03	-7.41e-06	0.0	52.6	0.15	-1.10	1.74e-04	0.0	-9.70e-03	0.11
148	301	0.26	-0.01	5.80e-05	-2.56	0.0	0.13	1.46	1.96e-04	0.0	-0.01	0.04
		0.04	-0.01	-1.17e-05	0.0	52.6	0.13	-1.10	1.96e-04	0.0	-0.01	0.14
148	302	0.19	-9.31e-03	3.49e-05	-2.22	0.0	0.13	1.29	1.49e-05	0.0	-9.32e-03	-5.96e-03
		-5.96e-03	-9.32e-03	-6.63e-06	0.0	52.6	0.13	-0.93	1.49e-05	0.0	-9.31e-03	0.09
148	304	0.22	-9.14e-03	4.01e-05	-2.22	0.0	0.12	1.24	-2.45e-04	0.0	-9.14e-03	0.04
		0.04	-9.27e-03	-7.98e-06	0.0	52.6	0.12	-0.98	-2.45e-04	0.0	-9.27e-03	0.11
148	305	0.25	-0.01	5.99e-05	-2.22	0.0	0.10	1.24	-2.24e-04	0.0	-0.01	0.07
		0.07	-0.01	-1.23e-05	0.0	52.6	0.10	-0.98	-2.24e-04	0.0	-0.01	0.14
148	309	0.20	-9.26e-03	3.66e-05	-2.22	0.0	0.12	1.27	-7.19e-05	0.0	-9.26e-03	0.01
		0.01	-9.30e-03	-7.08e-06	0.0	52.6	0.12	-0.95	-7.19e-05	0.0	-9.30e-03	0.10
148	310	0.23	-0.01	5.64e-05	-2.22	0.0	0.11	1.27	-5.04e-05	0.0	-0.01	0.04
		0.04	-0.01	-1.14e-05	0.0	52.6	0.11	-0.95	-5.04e-05	0.0	-0.01	0.12
149	35	0.55	0.0	1.25e-04	-5.58	0.0	0.12	2.15	0.04	0.0	-0.02	0.33
		0.0	-0.02	-2.61e-05	0.0	52.6	0.12	-3.43	0.04	0.0	0.0	0.0
149	47	0.28	0.0	1.01e-04	-2.08	0.0	0.03	0.59	0.03	0.0	-0.02	0.24
		0.0	-0.02	-2.25e-05	0.0	52.6	0.03	-1.49	0.03	0.0	0.0	0.0
149	68	0.41	0.0	1.03e-04	-4.30	0.0	0.08	1.70	0.04	0.0	-0.02	0.24
		0.0	-0.02	-2.08e-05	0.0	52.6	0.08	-2.60	0.04	0.0	0.0	0.0
149	71	0.22	0.0	7.61e-05	-2.08	0.0	0.03	0.76	0.03	0.0	-0.01	0.15
		0.0	-0.01	-1.59e-05	0.0	52.6	0.03	-1.32	0.03	0.0	0.0	0.0
149	76	0.42	0.0	1.16e-04	-4.30	0.0	0.09	1.69	0.05	0.0	-0.03	0.24
		0.0	-0.03	-2.42e-05	0.0	52.6	0.09	-2.61	0.05	0.0	0.0	0.0
149	81	0.49	0.0	7.30e-05	-5.58	0.0	0.13	2.37	0.03	0.0	-0.02	0.22
		0.0	-0.02	-1.38e-05	0.0	52.6	0.13	-3.21	0.03	0.0	0.0	0.0
149	114	0.0	0.0	-8.90e-05	-2.22	0.0	0.17	3.02	0.09	0.0	-0.05	-1.01
		-1.01	-0.05	-4.18e-05	0.0	52.6	0.17	0.81	0.09	0.0	0.0	0.0
149	115	1.25	0.02	2.14e-04	-2.22	0.0	-0.08	-1.27	-0.04	0.0	0.02	1.25
		0.0	0.0	1.62e-05	0.0	52.6	-0.08	-3.49	-0.04	0.0	0.0	0.0
149	122	0.0	0.0	-1.69e-04	-2.22	0.0	0.25	4.15	0.07	0.0	-0.04	-1.60
		-1.60	-0.04	3.38e-05	0.0	52.6	0.25	1.93	0.07	0.0	0.0	0.0
149	123	1.84	0.01	2.93e-04	-2.22	0.0	-0.17	-2.40	-0.02	0.0	0.01	1.84
		0.0	0.0	-5.94e-05	0.0	52.6	-0.17	-4.61	-0.02	0.0	0.0	0.0
149	134	0.0	0.0	-9.21e-05	-2.22	0.0	0.29	2.97	0.08	0.0	-0.04	-0.98
		-0.98	-0.04	1.49e-04	0.0	52.6	0.29	0.75	0.08	0.0	0.0	0.0
149	135	1.22	0.02	2.17e-04	-2.22	0.0	-0.21	-1.21	-0.03	0.0	0.02	1.22
		0.0	0.0	-1.74e-04	0.0	52.6	-0.21	-3.43	-0.03	0.0	0.0	0.0
149	146	0.0	0.0	-1.08e-04	-2.22	0.0	0.18	3.29	0.10	0.0	-0.05	-1.14
		-1.14	-0.05	-4.56e-05	0.0	52.6	0.18	1.07	0.10	0.0	0.0	0.0
149	147	1.39	0.03	2.32e-04	-2.22	0.0	-0.10	-1.54	-0.05	0.0	0.03	1.39
		0.0	0.0	2.00e-05	0.0	52.6	-0.10	-3.75	-0.05	0.0	0.0	0.0
149	154	0.0	0.0	-1.98e-04	-2.22	0.0	0.28	4.55	0.08	0.0	-0.04	-1.81
		-1.81	-0.04	4.00e-05	0.0	52.6	0.28	2.34	0.08	0.0	0.0	0.0
149	155	2.06	0.01	3.22e-04	-2.22	0.0	-0.19	-2.80	-0.03	0.0	0.01	2.06
		0.0	0.0	-6.56e-05	0.0	52.6	-0.19	-5.02	-0.03	0.0	0.0	0.0
149	166	0.0	0.0	-1.12e-04	-2.22	0.0	0.33	3.23	0.09	0.0	-0.05	-1.11
		-1.11	-0.05	1.70e-04	0.0	52.6	0.33	1.01	0.09	0.0	0.0	0.0
149	167	1.36	0.02	2.36e-04	-2.22	0.0	-0.24	-1.48	-0.04	0.0	0.02	1.36
		0.0	0.0	-1.96e-04	0.0	52.6	-0.24	-3.70	-0.04	0.0	0.0	0.0
149	178	0.0	0.0	-1.04e-04	-2.22	0.0	0.18	3.23	0.10	0.0	-0.05	-1.12
		-1.12	-0.05	-4.59e-05	0.0	52.6	0.18	1.02	0.10	0.0	0.0	0.0
149	179	1.36	0.03	2.29e-04	-2.22	0.0	-0.10	-1.48	-0.05	0.0	0.03	1.36
		0.0	0.0	2.03e-05	0.0	52.6	-0.10	-3.70	-0.05	0.0	0.0	0.0
149	186	0.0	0.0	-1.94e-04	-2.22	0.0	0.28	4.50	0.08	0.0	-0.04	-1.78
		-1.78	-0.04	4.22e-05	0.0	52.6	0.28	2.29	0.08	0.0	0.0	0.0
149	187	2.03	0.01	3.19e-04	-2.22	0.0	-0.19	-2.75	-0.03	0.0	0.01	2.03
		0.0	0.0	-6.78e-05	0.0	52.6	-0.19	-4.97	-0.03	0.0	0.0	0.0
149	198	0.0	0.0	-1.12e-04	-2.22	0.0	0.33	3.23	0.09	0.0	-0.05	-1.11

		-1.11	-0.05	1.77e-04	0.0	52.6	0.33	1.01	0.09	0.0	0.0	0.0
149	199	1.36	0.02	2.37e-04	-2.22	0.0	-0.25	-1.47	-0.04	0.0	0.02	1.36
		0.0	0.0	-2.03e-04	0.0	52.6	-0.25	-3.69	-0.04	0.0	0.0	0.0
149	210	0.0	0.0	-1.32e-04	-2.22	0.0	0.21	3.63	0.12	0.0	-0.06	-1.32
		-1.32	-0.06	-5.21e-05	0.0	52.6	0.21	1.41	0.12	0.0	0.0	0.0
149	211	1.57	0.03	2.57e-04	-2.22	0.0	-0.13	-1.88	-0.06	0.0	0.03	1.57
		0.0	0.0	2.65e-05	0.0	52.6	-0.13	-4.10	-0.06	0.0	0.0	0.0
149	218	0.0	0.0	-2.37e-04	-2.22	0.0	0.32	5.10	0.09	0.0	-0.05	-2.10
		-2.10	-0.05	5.35e-05	0.0	52.6	0.32	2.89	0.09	0.0	0.0	0.0
149	219	2.35	0.02	3.61e-04	-2.22	0.0	-0.23	-3.35	-0.04	0.0	0.02	2.35
		0.0	0.0	-7.90e-05	0.0	52.6	-0.23	-5.57	-0.04	0.0	0.0	0.0
149	230	0.0	0.0	-1.44e-04	-2.22	0.0	0.39	3.65	0.10	0.0	-0.05	-1.33
		-1.33	-0.05	2.16e-04	0.0	52.6	0.39	1.43	0.10	0.0	0.0	0.0
149	231	1.58	0.03	2.68e-04	-2.22	0.0	-0.30	-1.90	-0.05	0.0	0.03	1.58
		0.0	0.0	-2.42e-04	0.0	52.6	-0.30	-4.11	-0.05	0.0	0.0	0.0
149	259	0.39	0.0	8.69e-05	-3.92	0.0	0.08	1.52	0.03	0.0	-0.02	0.23
		0.0	-0.02	-1.81e-05	0.0	52.6	0.08	-2.40	0.03	0.0	0.0	0.0
149	263	0.26	0.0	8.32e-05	-2.22	0.0	0.04	0.74	0.03	0.0	-0.01	0.20
		0.0	-0.01	-1.81e-05	0.0	52.6	0.04	-1.48	0.03	0.0	0.0	0.0
149	275	0.22	0.0	6.68e-05	-2.22	0.0	0.04	0.85	0.03	0.0	-0.01	0.13
		0.0	-0.01	-1.36e-05	0.0	52.6	0.04	-1.37	0.03	0.0	0.0	0.0
149	276	0.29	0.0	7.21e-05	-3.07	0.0	0.06	1.22	0.03	0.0	-0.01	0.17
		0.0	-0.01	-1.46e-05	0.0	52.6	0.06	-1.85	0.03	0.0	0.0	0.0
149	280	0.29	0.0	8.10e-05	-3.07	0.0	0.06	1.21	0.03	0.0	-0.02	0.17
		0.0	-0.02	-1.68e-05	0.0	52.6	0.06	-1.86	0.03	0.0	0.0	0.0
149	281	0.34	0.0	5.21e-05	-3.92	0.0	0.09	1.66	0.02	0.0	-0.01	0.16
		0.0	-0.01	-9.90e-06	0.0	52.6	0.09	-2.26	0.02	0.0	0.0	0.0
149	298	0.22	0.0	6.57e-05	-2.22	0.0	0.04	0.87	0.03	0.0	-0.01	0.13
		0.0	-0.01	-1.36e-05	0.0	52.6	0.04	-1.35	0.03	0.0	0.0	0.0
149	299	0.23	0.0	4.39e-05	-2.56	0.0	0.06	1.07	0.02	0.0	-9.70e-03	0.11
		0.0	-9.70e-03	-8.43e-06	0.0	52.6	0.06	-1.49	0.02	0.0	0.0	0.0
149	301	0.24	0.0	6.44e-05	-2.56	0.0	0.05	1.02	0.03	0.0	-0.01	0.14
		0.0	-0.01	-1.32e-05	0.0	52.6	0.05	-1.54	0.03	0.0	0.0	0.0
149	305	0.22	0.0	6.58e-05	-2.22	0.0	0.04	0.85	0.03	0.0	-0.01	0.14
		0.0	-0.01	-1.37e-05	0.0	52.6	0.04	-1.37	0.03	0.0	0.0	0.0
149	307	0.21	0.0	6.25e-05	-2.22	0.0	0.04	0.87	0.03	0.0	-0.01	0.12
		0.0	-0.01	-1.28e-05	0.0	52.6	0.04	-1.35	0.03	0.0	0.0	0.0
149	309	0.20	0.0	4.17e-05	-2.22	0.0	0.05	0.93	0.02	0.0	-9.30e-03	0.10
		0.0	-9.30e-03	-8.06e-06	0.0	52.6	0.05	-1.29	0.02	0.0	0.0	0.0
149	310	0.21	0.0	6.23e-05	-2.22	0.0	0.04	0.88	0.03	0.0	-0.01	0.12
		0.0	-0.01	-1.28e-05	0.0	52.6	0.04	-1.34	0.03	0.0	0.0	0.0
150	33	-0.97	2.24e-03	-2.71e-05	-6.08	0.0	-0.17	5.24	-2.47e-04	0.0	2.24e-03	-2.22
		-2.22	2.11e-03	-1.17e-05	0.0	55.4	-0.17	-0.85	-2.47e-04	0.0	2.11e-03	-1.00
150	44	-0.69	2.39e-03	-3.37e-05	-4.69	0.0	-0.34	4.26	-4.21e-04	0.0	2.39e-03	-1.76
		-1.76	2.16e-03	-1.94e-05	0.0	55.4	-0.34	-0.43	-4.21e-04	0.0	2.16e-03	-0.70
150	55	-0.11	3.11e-03	-3.50e-05	-2.26	0.0	-0.08	2.16	2.92e-03	0.0	1.49e-03	-0.69
		-0.69	1.49e-03	-1.21e-05	0.0	55.4	-0.08	-0.10	2.92e-03	0.0	3.11e-03	-0.12
150	68	-0.49	4.39e-03	-4.28e-05	-4.69	0.0	-2.98e-03	4.15	3.85e-03	0.0	2.25e-03	-1.51
		-1.51	2.25e-03	-1.27e-05	0.0	55.4	-2.98e-03	-0.54	3.85e-03	0.0	4.39e-03	-0.51
150	69	-0.23	2.69e-03	-1.87e-05	-2.26	0.0	0.11	1.95	2.83e-03	0.0	1.12e-03	-0.70
		-0.70	1.12e-03	-4.98e-06	0.0	55.4	0.11	-0.30	2.83e-03	0.0	2.69e-03	-0.24
150	93	-0.36	6.33e-04	-1.19e-05	-2.26	0.0	-0.10	1.99	-5.85e-04	0.0	6.33e-04	-0.85
		-0.85	3.09e-04	-3.73e-06	0.0	55.4	-0.10	-0.27	-5.85e-04	0.0	3.09e-04	-0.37
150	114	0.37	0.02	-3.20e-05	-2.41	0.0	-5.28	1.47	0.06	0.0	-0.01	0.12
		0.12	-0.01	3.38e-05	0.0	55.4	-5.28	-0.94	0.06	0.0	0.02	0.27
150	115	-0.84	0.02	-1.34e-05	-2.41	0.0	5.11	2.91	-0.06	0.0	0.02	-1.78
		-1.78	-0.01	-4.86e-05	0.0	55.4	5.11	0.49	-0.06	0.0	-0.01	-0.84
150	128	-1.60	4.60e-03	7.31e-06	-2.41	0.0	2.50	3.34	-0.04	0.0	4.60e-03	-2.78
		-2.78	-0.02	1.83e-05	0.0	55.4	2.50	0.93	-0.04	0.0	-0.02	-1.60
150	137	1.22	0.03	-5.95e-05	-2.41	0.0	1.08	1.33	0.04	0.0	9.45e-03	1.01
		1.01	9.45e-03	-8.61e-05	0.0	55.4	1.08	-1.08	0.04	0.0	0.03	1.09
150	140	-1.65	-7.33e-03	1.41e-05	-2.41	0.0	-1.25	3.05	-0.04	0.0	-7.33e-03	-2.67
		-2.67	-0.03	7.13e-05	0.0	55.4	-1.25	0.64	-0.04	0.0	-0.03	-1.65
150	141	1.26	0.03	-6.03e-05	-2.41	0.0	1.40	1.31	0.03	0.0	0.01	1.06
		1.06	0.01	-8.27e-05	0.0	55.4	1.40	-1.11	0.03	0.0	0.03	1.12
150	146	0.45	0.02	-3.31e-05	-2.41	0.0	-5.92	1.39	0.07	0.0	-0.01	0.23
		0.23	-0.01	3.80e-05	0.0	55.4	-5.92	-1.03	0.07	0.0	0.02	0.33
150	147	-0.90	0.02	-1.23e-05	-2.41	0.0	5.75	3.00	-0.06	0.0	0.02	-1.89
		-1.89	-0.01	-5.28e-05	0.0	55.4	5.75	0.58	-0.06	0.0	-0.01	-0.90
150	160	-1.76	5.02e-03	1.11e-05	-2.41	0.0	2.81	3.48	-0.05	0.0	5.02e-03	-3.02
		-3.02	-0.02	2.17e-05	0.0	55.4	2.81	1.07	-0.05	0.0	-0.02	-1.76
150	169	1.43	0.03	-6.43e-05	-2.41	0.0	1.24	1.22	0.04	0.0	0.01	1.25
		1.25	0.01	-9.69e-05	0.0	55.4	1.24	-1.19	0.04	0.0	0.03	1.26
150	172	-1.83	-8.45e-03	1.89e-05	-2.41	0.0	-1.41	3.16	-0.04	0.0	-8.45e-03	-2.91
		-2.91	-0.03	8.21e-05	0.0	55.4	-1.41	0.75	-0.04	0.0	-0.03	-1.83

150	173	1.47	0.03	-6.52e-05	-2.41	0.0	1.59	1.19	0.04	0.0	0.01	1.31
		1.30	0.01	-9.28e-05	0.0	55.4	1.59	-1.22	0.04	0.0	0.03	1.30
150	178	0.43	0.02	-3.28e-05	-2.41	0.0	-5.83	1.41	0.06	0.0	-0.01	0.21
		0.21	-0.01	3.27e-05	0.0	55.4	-5.83	-1.01	0.06	0.0	0.02	0.32
150	179	-0.89	0.02	-1.26e-05	-2.41	0.0	5.67	2.98	-0.06	0.0	0.02	-1.86
		-1.86	-0.01	-4.75e-05	0.0	55.4	5.67	0.56	-0.06	0.0	-0.01	-0.89
150	201	1.47	0.03	-6.53e-05	-2.41	0.0	1.33	1.21	0.04	0.0	0.01	1.30
		1.30	0.01	-1.02e-04	0.0	55.4	1.33	-1.21	0.04	0.0	0.03	1.30
150	204	-1.87	-8.84e-03	2.00e-05	-2.41	0.0	-1.50	3.18	-0.04	0.0	-8.84e-03	-2.96
		-2.96	-0.03	8.76e-05	0.0	55.4	-1.50	0.76	-0.04	0.0	-0.03	-1.87
150	205	1.51	0.03	-6.61e-05	-2.41	0.0	1.67	1.18	0.04	0.0	0.01	1.35
		1.34	0.01	-9.58e-05	0.0	55.4	1.67	-1.23	0.04	0.0	0.03	1.34
150	208	-1.90	-9.90e-03	2.07e-05	-2.41	0.0	-1.84	3.20	-0.04	0.0	-9.90e-03	-3.01
		-3.01	-0.03	8.10e-05	0.0	55.4	-1.84	0.79	-0.04	0.0	-0.03	-1.90
150	210	0.56	0.02	-3.44e-05	-2.41	0.0	-6.80	1.28	0.07	0.0	-0.02	0.37
		0.37	-0.02	3.64e-05	0.0	55.4	-6.80	-1.14	0.07	0.0	0.02	0.41
150	211	-0.98	0.02	-1.10e-05	-2.41	0.0	6.64	3.11	-0.07	0.0	0.02	-2.03
		-2.03	-0.02	-5.12e-05	0.0	55.4	6.64	0.69	-0.07	0.0	-0.02	-0.98
150	233	1.82	0.04	-7.34e-05	-2.41	0.0	1.62	1.02	0.05	0.0	0.01	1.70
		1.60	0.01	-1.22e-04	0.0	55.4	1.62	-1.39	0.05	0.0	0.04	1.60
150	236	-2.17	-0.01	2.81e-05	-2.41	0.0	-1.79	3.36	-0.05	0.0	-0.01	-3.35
		-3.35	-0.04	1.07e-04	0.0	55.4	-1.79	0.95	-0.05	0.0	-0.04	-2.17
150	237	1.86	0.04	-7.42e-05	-2.41	0.0	2.02	1.00	0.05	0.0	0.01	1.75
		1.64	0.01	-1.13e-04	0.0	55.4	2.02	-1.42	0.05	0.0	0.04	1.64
150	240	-2.20	-0.01	2.88e-05	-2.41	0.0	-2.19	3.39	-0.04	0.0	-0.01	-3.41
		-3.41	-0.04	9.82e-05	0.0	55.4	-2.19	0.97	-0.04	0.0	-0.04	-2.20
150	257	-0.68	1.57e-03	-1.93e-05	-4.28	0.0	-0.12	3.68	-1.10e-04	0.0	1.57e-03	-1.56
		-1.56	1.50e-03	-8.25e-06	0.0	55.4	-0.12	-0.59	-1.10e-04	0.0	1.50e-03	-0.70
150	264	-0.49	1.66e-03	-2.37e-05	-3.34	0.0	-0.23	3.03	-2.26e-04	0.0	1.66e-03	-1.25
		-1.25	1.54e-03	-1.33e-05	0.0	55.4	-0.23	-0.32	-2.26e-04	0.0	1.54e-03	-0.50
150	267	-0.20	2.53e-03	-2.93e-05	-2.41	0.0	-0.06	2.23	2.17e-03	0.0	1.33e-03	-0.78
		-0.78	1.33e-03	-9.73e-06	0.0	55.4	-0.06	-0.18	2.17e-03	0.0	2.53e-03	-0.21
150	273	-0.28	2.25e-03	-1.84e-05	-2.41	0.0	0.06	2.10	2.11e-03	0.0	1.08e-03	-0.78
		-0.78	1.08e-03	-4.95e-06	0.0	55.4	0.06	-0.31	2.11e-03	0.0	2.25e-03	-0.29
150	276	-0.36	3.02e-03	-2.98e-05	-3.34	0.0	-4.17e-03	2.96	2.62e-03	0.0	1.57e-03	-1.08
		-1.08	1.57e-03	-8.88e-06	0.0	55.4	-4.17e-03	-0.39	2.62e-03	0.0	3.02e-03	-0.37
150	285	-0.37	7.55e-04	-1.39e-05	-2.41	0.0	-0.08	2.12	-1.70e-04	0.0	7.55e-04	-0.88
		-0.88	6.61e-04	-4.12e-06	0.0	55.4	-0.08	-0.29	-1.70e-04	0.0	6.61e-04	-0.38
150	299	-0.40	1.30e-03	-1.66e-05	-2.79	0.0	-0.03	2.42	6.09e-04	0.0	9.67e-04	-0.98
		-0.98	9.67e-04	-4.57e-06	0.0	55.4	-0.03	-0.37	6.09e-04	0.0	1.30e-03	-0.41
150	302	-0.33	1.23e-03	-1.57e-05	-2.41	0.0	-0.02	2.11	7.22e-04	0.0	8.32e-04	-0.84
		-0.84	8.32e-04	-3.90e-06	0.0	55.4	-0.02	-0.31	7.22e-04	0.0	1.23e-03	-0.34
150	305	-0.29	1.52e-03	-2.21e-05	-2.41	0.0	-0.11	2.20	7.22e-04	0.0	1.12e-03	-0.85
		-0.85	1.12e-03	-8.40e-06	0.0	55.4	-0.11	-0.21	7.22e-04	0.0	1.52e-03	-0.30
150	306	-0.33	1.40e-03	-1.60e-05	-2.41	0.0	-0.01	2.11	8.92e-04	0.0	9.06e-04	-0.84
		-0.84	9.06e-04	-4.51e-06	0.0	55.4	-0.01	-0.30	8.92e-04	0.0	1.40e-03	-0.34
150	307	-0.27	1.82e-03	-2.33e-05	-2.41	0.0	-0.07	2.19	1.29e-03	0.0	1.11e-03	-0.82
		-0.82	1.11e-03	-7.51e-06	0.0	55.4	-0.07	-0.23	1.29e-03	0.0	1.82e-03	-0.27
150	309	-0.34	1.19e-03	-1.54e-05	-2.41	0.0	-0.03	2.11	5.89e-04	0.0	8.63e-04	-0.85
		-0.85	8.63e-04	-4.40e-06	0.0	55.4	-0.03	-0.30	5.89e-04	0.0	1.19e-03	-0.35
150	310	-0.28	1.61e-03	-2.27e-05	-2.41	0.0	-0.08	2.19	9.89e-04	0.0	1.06e-03	-0.83
		-0.83	1.06e-03	-7.40e-06	0.0	55.4	-0.08	-0.22	9.89e-04	0.0	1.61e-03	-0.28
151	19	-8.81e-03	1.42e-03	-1.32e-05	-2.26	0.0	0.09	1.48	-2.00e-03	0.0	1.42e-03	-0.28
		-0.28	3.14e-04	0.0	0.0	55.4	0.09	-0.78	-2.00e-03	0.0	3.14e-04	-0.08
151	33	-0.24	2.11e-03	-2.27e-05	-6.08	0.0	-0.23	4.10	-2.80e-03	0.0	2.11e-03	-1.00
		-1.00	5.55e-04	-1.15e-05	0.0	55.4	-0.23	-1.98	-2.80e-03	0.0	5.55e-04	-0.42
151	44	-0.09	2.16e-03	-2.73e-05	-4.69	0.0	-0.40	3.23	-2.74e-03	0.0	2.16e-03	-0.70
		-0.70	6.43e-04	-1.91e-05	0.0	55.4	-0.40	-1.46	-2.74e-03	0.0	6.43e-04	-0.21
151	55	0.16	3.11e-03	-2.83e-05	-2.26	0.0	-0.08	1.51	-4.07e-03	0.0	3.11e-03	-0.12
		-0.12	8.54e-04	-1.18e-05	0.0	55.4	-0.08	-0.75	-4.07e-03	0.0	8.54e-04	0.09
151	68	0.06	4.39e-03	-3.43e-05	-4.69	0.0	-0.03	3.09	-5.80e-03	0.0	4.39e-03	-0.51
		-0.51	1.17e-03	-1.22e-05	0.0	55.4	-0.03	-1.60	-5.80e-03	0.0	1.17e-03	-0.09
151	93	-0.08	3.09e-04	-9.82e-06	-2.26	0.0	-0.09	1.54	-4.68e-04	0.0	3.09e-04	-0.37
		-0.37	4.96e-05	-3.69e-06	0.0	55.4	-0.09	-0.72	-4.68e-04	0.0	4.96e-05	-0.14
151	114	0.41	0.02	-2.17e-05	-2.41	0.0	-4.62	1.10	-0.03	0.0	0.02	0.27
		0.21	1.53e-03	2.44e-05	0.0	55.4	-4.62	-1.31	-0.03	0.0	1.53e-03	0.21
151	115	-0.30	-6.87e-04	-1.50e-05	-2.41	0.0	4.46	2.15	0.02	0.0	-0.01	-0.84
		-0.84	-0.01	-3.88e-05	0.0	55.4	4.46	-0.26	0.02	0.0	-6.87e-04	-0.31
151	137	1.14	0.03	-4.05e-05	-2.41	0.0	0.99	0.67	-0.03	0.0	0.03	1.09
		0.79	0.01	-8.62e-05	0.0	55.4	0.99	-1.74	-0.03	0.0	0.01	0.79
151	140	-0.89	-0.01	3.82e-06	-2.41	0.0	-1.16	2.59	0.03	0.0	-0.03	-1.65
		-1.65	-0.03	7.18e-05	0.0	55.4	-1.16	0.17	0.03	0.0	-0.01	-0.89
151	141	1.17	0.03	-4.17e-05	-2.41	0.0	1.28	0.64	-0.03	0.0	0.03	1.12
		0.81	0.01	-8.04e-05	0.0	55.4	1.28	-1.77	-0.03	0.0	0.01	0.81
151	144	-0.91	-0.01	5.01e-06	-2.41	0.0	-1.44	2.61	0.02	0.0	-0.03	-1.69

		-1.69	-0.03	6.60e-05	0.0	55.4	-1.44	0.20	0.02	0.0	-0.01	-0.91
151	146	0.46	0.02	-2.21e-05	-2.41	0.0	-5.18	1.04	-0.03	0.0	0.02	0.33
		0.24	1.66e-03	2.75e-05	0.0	55.4	-5.18	-1.38	-0.03	0.0	1.66e-03	0.24
151	147	-0.34	-8.19e-04	-1.46e-05	-2.41	0.0	5.02	2.22	0.03	0.0	-0.01	-0.90
		-0.90	-0.01	-4.19e-05	0.0	55.4	5.02	-0.20	0.03	0.0	-8.19e-04	-0.34
151	169	1.30	0.03	-4.34e-05	-2.41	0.0	1.14	0.55	-0.03	0.0	0.03	1.26
		0.90	0.02	-9.70e-05	0.0	55.4	1.14	-1.87	-0.03	0.0	0.02	0.90
151	172	-1.00	-0.01	6.74e-06	-2.41	0.0	-1.30	2.71	0.03	0.0	-0.03	-1.83
		-1.83	-0.03	8.26e-05	0.0	55.4	-1.30	0.30	0.03	0.0	-0.01	-1.00
151	173	1.34	0.03	-4.47e-05	-2.41	0.0	1.46	0.52	-0.03	0.0	0.03	1.30
		0.92	0.01	-9.01e-05	0.0	55.4	1.46	-1.90	-0.03	0.0	0.01	0.92
151	176	-1.02	-0.01	8.06e-06	-2.41	0.0	-1.63	2.74	0.03	0.0	-0.03	-1.87
		-1.87	-0.03	7.57e-05	0.0	55.4	-1.63	0.33	0.03	0.0	-0.01	-1.02
151	178	0.45	0.02	-2.21e-05	-2.41	0.0	-5.11	1.05	-0.03	0.0	0.02	0.32
		0.24	1.61e-03	2.29e-05	0.0	55.4	-5.11	-1.36	-0.03	0.0	1.61e-03	0.24
151	179	-0.33	-7.65e-04	-1.46e-05	-2.41	0.0	4.94	2.20	0.03	0.0	-0.01	-0.89
		-0.89	-0.01	-3.73e-05	0.0	55.4	4.94	-0.21	0.03	0.0	-7.65e-04	-0.34
151	201	1.33	0.03	-4.41e-05	-2.41	0.0	1.21	0.52	-0.03	0.0	0.03	1.30
		0.92	0.02	-1.02e-04	0.0	55.4	1.21	-1.89	-0.03	0.0	0.02	0.92
151	204	-1.02	-0.01	7.45e-06	-2.41	0.0	-1.38	2.73	0.03	0.0	-0.03	-1.87
		-1.87	-0.03	8.77e-05	0.0	55.4	-1.38	0.32	0.03	0.0	-0.01	-1.02
151	205	1.36	0.03	-4.53e-05	-2.41	0.0	1.52	0.50	-0.03	0.0	0.03	1.34
		0.94	0.02	-9.30e-05	0.0	55.4	1.52	-1.92	-0.03	0.0	0.02	0.94
151	208	-1.04	-0.01	8.64e-06	-2.41	0.0	-1.69	2.76	0.03	0.0	-0.03	-1.90
		-1.90	-0.03	7.86e-05	0.0	55.4	-1.69	0.35	0.03	0.0	-0.01	-1.04
151	210	0.52	0.02	-2.27e-05	-2.41	0.0	-5.96	0.96	-0.03	0.0	0.02	0.41
		0.28	1.76e-03	2.53e-05	0.0	55.4	-5.96	-1.45	-0.03	0.0	1.76e-03	0.28
151	211	-0.38	-9.19e-04	-1.40e-05	-2.41	0.0	5.79	2.30	0.03	0.0	-0.02	-0.98
		-0.98	-0.02	-3.97e-05	0.0	55.4	5.79	-0.12	0.03	0.0	-9.19e-04	-0.38
151	233	1.61	0.04	-4.90e-05	-2.41	0.0	1.48	0.32	-0.04	0.0	0.04	1.60
		1.11	0.02	-1.22e-04	0.0	55.4	1.48	-2.10	-0.04	0.0	0.02	1.11
151	236	-1.21	-0.02	1.24e-05	-2.41	0.0	-1.65	2.94	0.04	0.0	-0.04	-2.17
		-2.17	-0.04	1.07e-04	0.0	55.4	-1.65	0.53	0.04	0.0	-0.02	-1.21
151	237	1.65	0.04	-5.03e-05	-2.41	0.0	1.84	0.29	-0.04	0.0	0.04	1.64
		1.13	0.02	-1.10e-04	0.0	55.4	1.84	-2.13	-0.04	0.0	0.02	1.13
151	240	-1.23	-0.02	1.37e-05	-2.41	0.0	-2.01	2.97	0.03	0.0	-0.04	-2.20
		-2.20	-0.04	9.52e-05	0.0	55.4	-2.01	0.55	0.03	0.0	-0.02	-1.23
151	248	-0.02	1.40e-03	-1.36e-05	-2.41	0.0	0.05	1.59	-1.95e-03	0.0	1.40e-03	-0.31
		-0.31	3.23e-04	-1.73e-06	0.0	55.4	0.05	-0.82	-1.95e-03	0.0	3.23e-04	-0.10
151	257	-0.17	1.50e-03	-1.61e-05	-4.28	0.0	-0.16	2.88	-2.01e-03	0.0	1.50e-03	-0.70
		-0.70	3.93e-04	-8.08e-06	0.0	55.4	-0.16	-1.39	-2.01e-03	0.0	3.93e-04	-0.29
151	264	-0.06	1.54e-03	-1.92e-05	-3.34	0.0	-0.27	2.30	-1.96e-03	0.0	1.54e-03	-0.50
		-0.50	4.52e-04	-1.32e-05	0.0	55.4	-0.27	-1.05	-1.96e-03	0.0	4.52e-04	-0.15
151	267	0.09	2.53e-03	-2.36e-05	-2.41	0.0	-0.07	1.61	-3.33e-03	0.0	2.53e-03	-0.21
		-0.21	6.83e-04	-9.44e-06	0.0	55.4	-0.07	-0.80	-3.33e-03	0.0	6.83e-04	0.02
151	276	0.03	3.02e-03	-2.38e-05	-3.34	0.0	-0.02	2.21	-4.01e-03	0.0	3.02e-03	-0.37
		-0.37	8.04e-04	-8.53e-06	0.0	55.4	-0.02	-1.14	-4.01e-03	0.0	8.04e-04	-0.07
151	285	-0.07	6.61e-04	-1.13e-05	-2.41	0.0	-0.08	1.64	-9.27e-04	0.0	6.61e-04	-0.38
		-0.38	1.47e-04	-4.04e-06	0.0	55.4	-0.08	-0.78	-9.27e-04	0.0	1.47e-04	-0.14
151	298	0.03	1.68e-03	-1.93e-05	-2.41	0.0	-0.09	1.63	-2.23e-03	0.0	1.68e-03	-0.27
		-0.27	4.43e-04	-7.71e-06	0.0	55.4	-0.09	-0.78	-2.23e-03	0.0	4.43e-04	-0.04
151	299	-0.06	1.30e-03	-1.34e-05	-2.79	0.0	-0.04	1.87	-1.78e-03	0.0	1.30e-03	-0.41
		-0.41	3.21e-04	-4.42e-06	0.0	55.4	-0.04	-0.92	-1.78e-03	0.0	3.21e-04	-0.15
151	302	-0.04	1.23e-03	-1.26e-05	-2.41	0.0	-0.02	1.62	-1.68e-03	0.0	1.23e-03	-0.34
		-0.34	2.99e-04	-3.76e-06	0.0	55.4	-0.02	-0.80	-1.68e-03	0.0	2.99e-04	-0.11
151	305	0.01	1.52e-03	-1.78e-05	-2.41	0.0	-0.12	1.64	-2.01e-03	0.0	1.52e-03	-0.30
		-0.30	4.10e-04	-8.22e-06	0.0	55.4	-0.12	-0.77	-2.01e-03	0.0	4.10e-04	-0.06
151	307	0.03	1.82e-03	-1.88e-05	-2.41	0.0	-0.07	1.62	-2.42e-03	0.0	1.82e-03	-0.27
		-0.27	4.81e-04	-7.30e-06	0.0	55.4	-0.07	-0.79	-2.42e-03	0.0	4.81e-04	-0.04
151	308	-0.05	1.08e-03	-1.22e-05	-2.41	0.0	-0.04	1.62	-1.48e-03	0.0	1.08e-03	-0.35
		-0.35	2.64e-04	-4.22e-06	0.0	55.4	-0.04	-0.79	-1.48e-03	0.0	2.64e-04	-0.12
151	309	-0.05	1.19e-03	-1.24e-05	-2.41	0.0	-0.04	1.62	-1.62e-03	0.0	1.19e-03	-0.35
		-0.35	2.94e-04	-4.26e-06	0.0	55.4	-0.04	-0.79	-1.62e-03	0.0	2.94e-04	-0.12
151	310	0.02	1.61e-03	-1.83e-05	-2.41	0.0	-0.08	1.63	-2.15e-03	0.0	1.61e-03	-0.28
		-0.28	4.22e-04	-7.21e-06	0.0	55.4	-0.08	-0.79	-2.15e-03	0.0	4.22e-04	-0.05
152	4	0.30	0.02	-2.90e-05	-4.69	0.0	-0.20	2.53	0.03	0.0	8.55e-04	-0.08
		-0.08	8.55e-04	-1.14e-05	0.0	55.4	-0.20	-2.16	0.03	0.0	0.02	0.02
152	19	0.11	5.73e-03	-1.07e-05	-2.26	0.0	0.05	1.24	9.77e-03	0.0	3.14e-04	-0.08
		-0.08	3.14e-04	0.0	0.0	55.4	0.05	-1.01	9.77e-03	0.0	5.73e-03	-0.02
152	33	0.15	8.96e-03	-1.93e-05	-6.08	0.0	-0.27	3.53	0.02	0.0	5.55e-04	-0.42
		-0.42	5.55e-04	-1.15e-05	0.0	55.4	-0.27	-2.56	0.02	0.0	8.96e-03	-0.15
152	44	0.21	0.01	-2.16e-05	-4.69	0.0	-0.46	2.66	0.02	0.0	6.43e-04	-0.21
		-0.21	6.43e-04	-1.91e-05	0.0	55.4	-0.46	-2.03	0.02	0.0	0.01	-0.04
152	52	0.31	0.02	-2.97e-05	-4.69	0.0	-0.22	2.52	0.03	0.0	1.09e-03	-0.06
		-0.06	1.09e-03	-1.40e-05	0.0	55.4	-0.22	-2.17	0.03	0.0	0.02	0.03

152	93	0.07	5.08e-03	-8.12e-06	-2.26	0.0	-0.10	1.31	9.09e-03	0.0	4.96e-05	-0.14
		-0.14	4.96e-05	-3.70e-06	0.0	55.4	-0.10	-0.95	9.09e-03	0.0	5.08e-03	-0.04
152	114	0.32	0.03	-2.55e-05	-2.41	0.0	-3.55	0.98	0.06	0.0	1.53e-03	0.21
		0.09	1.53e-03	1.54e-05	0.0	55.4	-3.55	-1.43	0.06	0.0	0.03	0.09
152	115	1.92e-04	-6.87e-04	-5.37e-06	-2.41	0.0	3.28	1.65	-0.03	0.0	-6.87e-04	-0.31
		-0.31	-0.01	-2.98e-05	0.0	55.4	3.28	-0.76	-0.03	0.0	-0.01	-0.07
152	117	0.65	0.05	-3.27e-05	-2.41	0.0	-2.51	0.57	0.07	0.0	8.71e-03	0.61
		0.26	8.71e-03	-6.07e-05	0.0	55.4	-2.51	-1.84	0.07	0.0	0.05	0.26
152	120	-0.23	-7.87e-03	3.70e-06	-2.41	0.0	2.24	2.06	-0.04	0.0	-7.87e-03	-0.72
		-0.72	-0.03	4.64e-05	0.0	55.4	2.24	-0.35	-0.04	0.0	-0.03	-0.24
152	141	0.83	0.04	-3.06e-05	-2.41	0.0	0.85	0.42	0.05	0.0	0.01	0.81
		0.38	0.01	-7.93e-05	0.0	55.4	0.85	-1.99	0.05	0.0	0.04	0.38
152	144	-0.35	-0.01	-2.09e-06	-2.41	0.0	-1.11	2.21	-0.02	0.0	-0.01	-0.91
		-0.91	-0.02	6.49e-05	0.0	55.4	-1.11	-0.20	-0.02	0.0	-0.02	-0.36
152	146	0.35	0.03	-2.68e-05	-2.41	0.0	-3.97	0.94	0.06	0.0	1.66e-03	0.24
		0.10	1.66e-03	1.75e-05	0.0	55.4	-3.97	-1.47	0.06	0.0	0.03	0.10
152	147	-0.02	-8.19e-04	-4.54e-06	-2.41	0.0	3.70	1.69	-0.03	0.0	-8.19e-04	-0.34
		-0.34	-0.02	-3.19e-05	0.0	55.4	3.70	-0.72	-0.03	0.0	-0.02	-0.08
152	149	0.73	0.05	-3.50e-05	-2.41	0.0	-2.79	0.48	0.08	0.0	9.79e-03	0.70
		0.30	9.79e-03	-6.88e-05	0.0	55.4	-2.79	-1.94	0.08	0.0	0.05	0.30
152	152	-0.27	-8.95e-03	5.99e-06	-2.41	0.0	2.52	2.16	-0.05	0.0	-8.95e-03	-0.80
		-0.80	-0.03	5.44e-05	0.0	55.4	2.52	-0.26	-0.05	0.0	-0.03	-0.28
152	173	0.93	0.04	-3.27e-05	-2.41	0.0	0.98	0.31	0.05	0.0	0.01	0.92
		0.43	0.01	-8.89e-05	0.0	55.4	0.98	-2.11	0.05	0.0	0.04	0.43
152	176	-0.40	-0.01	3.77e-06	-2.41	0.0	-1.25	2.33	-0.02	0.0	-0.01	-1.02
		-1.02	-0.03	7.45e-05	0.0	55.4	-1.25	-0.09	-0.02	0.0	-0.03	-0.40
152	178	0.34	0.03	-2.64e-05	-2.41	0.0	-3.91	0.95	0.06	0.0	1.61e-03	0.24
		0.09	1.61e-03	1.36e-05	0.0	55.4	-3.91	-1.46	0.06	0.0	0.03	0.09
152	179	-0.01	-7.65e-04	-4.75e-06	-2.41	0.0	3.65	1.68	-0.03	0.0	-7.65e-04	-0.34
		-0.34	-0.02	-2.79e-05	0.0	55.4	3.65	-0.73	-0.03	0.0	-0.02	-0.07
152	181	0.73	0.05	-3.49e-05	-2.41	0.0	-2.71	0.47	0.07	0.0	1.00e-02	0.71
		0.30	1.00e-02	-7.61e-05	0.0	55.4	-2.71	-1.94	0.07	0.0	0.05	0.30
152	184	-0.27	-9.15e-03	5.96e-06	-2.41	0.0	2.44	2.16	-0.05	0.0	-9.15e-03	-0.81
		-0.81	-0.03	6.18e-05	0.0	55.4	2.44	-0.25	-0.05	0.0	-0.03	-0.28
152	205	0.95	0.04	-3.31e-05	-2.41	0.0	1.03	0.29	0.05	0.0	0.02	0.94
		0.43	0.02	-9.17e-05	0.0	55.4	1.03	-2.13	0.05	0.0	0.04	0.43
152	208	-0.41	-0.01	4.17e-06	-2.41	0.0	-1.29	2.35	-0.02	0.0	-0.01	-1.04
		-1.04	-0.03	7.73e-05	0.0	55.4	-1.29	-0.07	-0.02	0.0	-0.03	-0.41
152	210	0.37	0.04	-2.83e-05	-2.41	0.0	-4.55	0.89	0.07	0.0	1.76e-03	0.28
		0.11	1.76e-03	1.47e-05	0.0	55.4	-4.55	-1.52	0.07	0.0	0.04	0.11
152	211	-0.03	-9.19e-04	-3.66e-06	-2.41	0.0	4.29	1.74	-0.04	0.0	-9.19e-04	-0.38
		-0.38	-0.02	-2.91e-05	0.0	55.4	4.29	-0.67	-0.04	0.0	-0.02	-0.09
152	213	0.86	0.06	-3.85e-05	-2.41	0.0	-3.11	0.32	0.09	0.0	0.01	0.84
		0.36	0.01	-9.32e-05	0.0	55.4	-3.11	-2.09	0.09	0.0	0.06	0.36
152	216	-0.33	-0.01	9.56e-06	-2.41	0.0	2.85	2.32	-0.06	0.0	-0.01	-0.95
		-0.95	-0.04	7.88e-05	0.0	55.4	2.85	-0.10	-0.06	0.0	-0.04	-0.33
152	237	1.13	0.05	-3.66e-05	-2.41	0.0	1.26	0.10	0.06	0.0	0.02	1.13
		0.51	0.02	-1.08e-04	0.0	55.4	1.26	-2.32	0.06	0.0	0.05	0.51
152	240	-0.49	-0.02	7.65e-06	-2.41	0.0	-1.53	2.54	-0.03	0.0	-0.02	-1.23
		-1.23	-0.03	9.37e-05	0.0	55.4	-1.53	0.12	-0.03	0.0	-0.03	-0.49
152	244	0.21	0.01	-2.01e-05	-3.34	0.0	-0.14	1.81	0.02	0.0	5.93e-04	-0.07
		-0.07	5.93e-04	-8.01e-06	0.0	55.4	-0.14	-1.53	0.02	0.0	0.01	0.01
152	248	0.11	5.96e-03	-1.10e-05	-2.41	0.0	6.81e-03	1.34	0.01	0.0	3.23e-04	-0.10
		-0.10	3.23e-04	-1.71e-06	0.0	55.4	6.81e-03	-1.07	0.01	0.0	5.96e-03	-0.02
152	257	0.11	6.43e-03	-1.37e-05	-4.28	0.0	-0.19	2.48	0.01	0.0	3.93e-04	-0.29
		-0.29	3.93e-04	-8.04e-06	0.0	55.4	-0.19	-1.80	0.01	0.0	6.43e-03	-0.10
152	264	0.14	8.89e-03	-1.52e-05	-3.34	0.0	-0.31	1.90	0.02	0.0	4.52e-04	-0.15
		-0.15	4.52e-04	-1.31e-05	0.0	55.4	-0.31	-1.45	0.02	0.0	8.89e-03	-0.03
152	268	0.21	0.01	-2.05e-05	-3.34	0.0	-0.15	1.80	0.02	0.0	7.51e-04	-0.06
		-0.06	7.51e-04	-9.77e-06	0.0	55.4	-0.15	-1.54	0.02	0.0	0.01	0.02
152	285	0.08	5.53e-03	-9.30e-06	-2.41	0.0	-0.10	1.38	9.72e-03	0.0	1.47e-04	-0.14
		-0.14	1.47e-04	-4.04e-06	0.0	55.4	-0.10	-1.03	9.72e-03	0.0	5.53e-03	-0.04
152	298	0.16	9.00e-03	-1.53e-05	-2.41	0.0	-0.14	1.31	0.02	0.0	4.43e-04	-0.04
		-0.04	4.43e-04	-7.67e-06	0.0	55.4	-0.14	-1.10	0.02	0.0	9.00e-03	0.02
152	299	0.10	5.83e-03	-1.10e-05	-2.79	0.0	-0.08	1.58	9.96e-03	0.0	3.21e-04	-0.15
		-0.15	3.21e-04	-4.39e-06	0.0	55.4	-0.08	-1.21	9.96e-03	0.0	5.83e-03	-0.04
152	302	0.10	5.65e-03	-1.03e-05	-2.41	0.0	-0.06	1.36	9.65e-03	0.0	2.99e-04	-0.11
		-0.11	2.99e-04	-3.73e-06	0.0	55.4	-0.06	-1.05	9.65e-03	0.0	5.65e-03	-0.03
152	305	0.14	8.35e-03	-1.41e-05	-2.41	0.0	-0.16	1.33	0.01	0.0	4.10e-04	-0.06
		-0.06	4.10e-04	-8.19e-06	0.0	55.4	-0.16	-1.09	0.01	0.0	8.35e-03	7.61e-03
152	308	0.09	5.56e-03	-9.91e-06	-2.41	0.0	-0.08	1.37	9.56e-03	0.0	2.64e-04	-0.12
		-0.12	2.64e-04	-4.20e-06	0.0	55.4	-0.08	-1.05	9.56e-03	0.0	5.56e-03	-0.03
152	309	0.09	5.57e-03	-1.01e-05	-2.41	0.0	-0.07	1.36	9.52e-03	0.0	2.94e-04	-0.12
		-0.12	2.94e-04	-4.24e-06	0.0	55.4	-0.07	-1.05	9.52e-03	0.0	5.57e-03	-0.03
152	310	0.15	8.51e-03	-1.45e-05	-2.41	0.0	-0.13	1.32	0.01	0.0	4.22e-04	-0.05

		-0.05	4.22e-04	-7.18e-06	0.0	55.4	-0.13	-1.10	0.01	0.0	8.51e-03	0.01
153	4	0.34	0.02	-2.44e-05	-4.69	0.0	-0.69	2.30	-0.03	0.0	0.02	0.02
		0.0	0.0	-9.50e-06	0.0	55.4	-0.69	-2.39	-0.03	0.0	0.0	0.0
153	33	0.35	8.96e-03	-1.70e-05	-6.08	0.0	-0.26	3.31	-0.02	0.0	8.96e-03	-0.15
		-0.15	0.0	-1.04e-05	0.0	55.4	-0.26	-2.77	-0.02	0.0	0.0	0.0
153	52	0.34	0.02	-2.50e-05	-4.69	0.0	-0.55	2.29	-0.03	0.0	0.02	0.03
		0.0	0.0	-1.22e-05	0.0	55.4	-0.55	-2.40	-0.03	0.0	0.0	0.0
153	59	0.40	0.01	-2.51e-05	-6.08	0.0	-0.47	3.13	-0.03	0.0	0.01	-0.05
		-0.05	0.0	-1.07e-05	0.0	55.4	-0.47	-2.96	-0.03	0.0	0.0	0.0
153	69	0.15	5.26e-03	-1.02e-05	-2.26	0.0	0.02	1.14	-9.49e-03	0.0	5.26e-03	-4.60e-03
		-4.60e-03	0.0	-3.99e-06	0.0	55.4	0.02	-1.12	-9.49e-03	0.0	0.0	0.0
153	76	0.33	0.02	-2.28e-05	-4.69	0.0	-0.72	2.33	-0.03	0.0	0.02	8.86e-03
		0.0	0.0	-1.16e-05	0.0	55.4	-0.72	-2.36	-0.03	0.0	0.0	0.0
153	114	0.21	0.03	-1.86e-05	-2.41	0.0	-8.70	1.05	-0.06	0.0	0.03	0.09
		0.0	0.0	7.69e-06	0.0	55.4	-8.70	-1.37	-0.06	0.0	0.0	0.0
153	115	0.14	0.0	-6.76e-06	-2.41	0.0	8.03	1.33	0.03	0.0	-0.01	-0.07
		-0.07	-0.01	-2.01e-05	0.0	55.4	8.03	-1.09	0.03	0.0	0.0	0.0
153	117	0.33	0.05	-2.64e-05	-2.41	0.0	-6.55	0.73	-0.08	0.0	0.05	0.26
		0.0	0.0	-6.70e-05	0.0	55.4	-6.55	-1.68	-0.08	0.0	0.0	0.0
153	120	0.07	0.0	2.44e-06	-2.41	0.0	5.88	1.65	0.05	0.0	-0.03	-0.24
		-0.24	-0.03	5.46e-05	0.0	55.4	5.88	-0.77	0.05	0.0	0.0	0.0
153	141	0.41	0.04	-2.84e-05	-2.41	0.0	1.37	0.53	-0.07	0.0	0.04	0.38
		0.0	0.0	-7.61e-05	0.0	55.4	1.37	-1.89	-0.07	0.0	0.0	0.0
153	144	0.04	0.0	4.38e-06	-2.41	0.0	-2.04	1.85	0.04	0.0	-0.02	-0.36
		-0.36	-0.02	6.37e-05	0.0	55.4	-2.04	-0.56	0.04	0.0	0.0	0.0
153	146	0.22	0.03	-1.94e-05	-2.41	0.0	-9.73	1.03	-0.06	0.0	0.03	0.10
		0.0	0.0	8.84e-06	0.0	55.4	-9.73	-1.38	-0.06	0.0	0.0	0.0
153	147	0.13	0.0	-6.20e-06	-2.41	0.0	9.06	1.34	0.03	0.0	-0.02	-0.08
		-0.08	-0.02	-2.12e-05	0.0	55.4	9.06	-1.07	0.03	0.0	0.0	0.0
153	149	0.35	0.05	-2.82e-05	-2.41	0.0	-7.30	0.67	-0.09	0.0	0.05	0.30
		0.0	0.0	-7.58e-05	0.0	55.4	-7.30	-1.74	-0.09	0.0	0.0	0.0
153	152	0.06	0.0	4.27e-06	-2.41	0.0	6.63	1.71	0.06	0.0	-0.03	-0.28
		-0.28	-0.03	6.34e-05	0.0	55.4	6.63	-0.71	0.06	0.0	0.0	0.0
153	173	0.45	0.04	-3.05e-05	-2.41	0.0	1.60	0.44	-0.08	0.0	0.04	0.43
		0.0	0.0	-8.53e-05	0.0	55.4	1.60	-1.97	-0.08	0.0	0.0	0.0
153	176	0.03	0.0	6.50e-06	-2.41	0.0	-2.27	1.94	0.05	0.0	-0.03	-0.40
		-0.40	-0.03	7.30e-05	0.0	55.4	-2.27	-0.48	0.05	0.0	0.0	0.0
153	178	0.22	0.03	-1.92e-05	-2.41	0.0	-9.59	1.04	-0.06	0.0	0.03	0.09
		0.0	0.0	5.68e-06	0.0	55.4	-9.59	-1.38	-0.06	0.0	0.0	0.0
153	179	0.13	0.0	-6.34e-06	-2.41	0.0	8.91	1.34	0.03	0.0	-0.02	-0.07
		-0.07	-0.02	-1.81e-05	0.0	55.4	8.91	-1.07	0.03	0.0	0.0	0.0
153	181	0.35	0.05	-2.83e-05	-2.41	0.0	-7.10	0.66	-0.09	0.0	0.05	0.30
		0.0	0.0	-8.22e-05	0.0	55.4	-7.10	-1.75	-0.09	0.0	0.0	0.0
153	184	0.06	0.0	4.31e-06	-2.41	0.0	6.43	1.71	0.06	0.0	-0.03	-0.28
		-0.28	-0.03	6.99e-05	0.0	55.4	6.43	-0.70	0.06	0.0	0.0	0.0
153	205	0.45	0.04	-3.08e-05	-2.41	0.0	1.69	0.42	-0.08	0.0	0.04	0.43
		0.0	0.0	-8.79e-05	0.0	55.4	1.69	-1.99	-0.08	0.0	0.0	0.0
153	208	0.02	0.0	6.79e-06	-2.41	0.0	-2.36	1.95	0.05	0.0	-0.03	-0.41
		-0.41	-0.03	7.56e-05	0.0	55.4	-2.36	-0.46	0.05	0.0	0.0	0.0
153	210	0.23	0.04	-2.03e-05	-2.41	0.0	-11.14	1.01	-0.07	0.0	0.04	0.11
		0.0	0.0	5.75e-06	0.0	55.4	-11.14	-1.40	-0.07	0.0	0.0	0.0
153	211	0.13	0.0	-5.61e-06	-2.41	0.0	10.47	1.36	0.04	0.0	-0.02	-0.09
		-0.09	-0.02	-1.81e-05	0.0	55.4	10.47	-1.05	0.04	0.0	0.0	0.0
153	213	0.39	0.06	-3.12e-05	-2.41	0.0	-8.18	0.57	-0.10	0.0	0.06	0.36
		0.0	0.0	-1.00e-04	0.0	55.4	-8.18	-1.85	-0.10	0.0	0.0	0.0
153	216	0.04	0.0	7.21e-06	-2.41	0.0	7.51	1.81	0.07	0.0	-0.04	-0.33
		-0.33	-0.04	8.77e-05	0.0	55.4	7.51	-0.60	0.07	0.0	0.0	0.0
153	237	0.52	0.05	-3.42e-05	-2.41	0.0	2.11	0.28	-0.09	0.0	0.05	0.51
		0.0	0.0	-1.04e-04	0.0	55.4	2.11	-2.13	-0.09	0.0	0.0	0.0
153	240	0.01	0.0	1.02e-05	-2.41	0.0	-2.78	2.10	0.06	0.0	-0.03	-0.49
		-0.49	-0.03	9.14e-05	0.0	55.4	-2.78	-0.32	0.06	0.0	0.0	0.0
153	244	0.24	0.01	-1.69e-05	-3.34	0.0	-0.47	1.65	-0.02	0.0	0.01	0.01
		0.0	0.0	-6.69e-06	0.0	55.4	-0.47	-1.69	-0.02	0.0	0.0	0.0
153	257	0.25	6.43e-03	-1.20e-05	-4.28	0.0	-0.19	2.32	-0.01	0.0	6.43e-03	-0.10
		-0.10	0.0	-7.30e-06	0.0	55.4	-0.19	-1.95	-0.01	0.0	0.0	0.0
153	268	0.24	0.01	-1.73e-05	-3.34	0.0	-0.38	1.64	-0.02	0.0	0.01	0.02
		0.0	0.0	-8.47e-06	0.0	55.4	-0.38	-1.70	-0.02	0.0	0.0	0.0
153	271	0.28	0.01	-1.74e-05	-4.28	0.0	-0.33	2.20	-0.02	0.0	0.01	-0.03
		-0.03	0.0	-7.47e-06	0.0	55.4	-0.33	-2.08	-0.02	0.0	0.0	0.0
153	273	0.16	5.64e-03	-1.01e-05	-2.41	0.0	-0.06	1.23	-0.01	0.0	5.64e-03	-0.01
		-0.01	0.0	-3.98e-06	0.0	55.4	-0.06	-1.18	-0.01	0.0	0.0	0.0
153	280	0.23	0.01	-1.58e-05	-3.34	0.0	-0.49	1.67	-0.02	0.0	0.01	2.08e-03
		0.0	0.0	-8.11e-06	0.0	55.4	-0.49	-1.68	-0.02	0.0	0.0	0.0
153	298	0.18	9.00e-03	-1.27e-05	-2.41	0.0	-0.36	1.18	-0.02	0.0	9.00e-03	0.02
		0.0	0.0	-6.62e-06	0.0	55.4	-0.36	-1.24	-0.02	0.0	0.0	0.0

153	299	0.17	5.83e-03	-9.51e-06	-2.79	0.0	-0.19	1.47	-0.01	0.0	5.83e-03	-0.04
		-0.04	0.0	-3.71e-06	0.0	55.4	-0.19	-1.31	-0.01	0.0	0.0	0.0
153	301	0.19	8.78e-03	-1.28e-05	-2.79	0.0	-0.34	1.40	-0.02	0.0	8.78e-03	-2.00e-03
		-2.00e-03	0.0	-6.31e-06	0.0	55.4	-0.34	-1.39	-0.02	0.0	0.0	0.0
153	306	0.15	5.58e-03	-8.94e-06	-2.41	0.0	-0.16	1.26	-0.01	0.0	5.58e-03	-0.03
		-0.03	0.0	-3.67e-06	0.0	55.4	-0.16	-1.16	-0.01	0.0	0.0	0.0
153	309	0.15	5.57e-03	-8.66e-06	-2.41	0.0	-0.18	1.26	-0.01	0.0	5.57e-03	-0.03
		-0.03	0.0	-3.59e-06	0.0	55.4	-0.18	-1.15	-0.01	0.0	0.0	0.0
153	310	0.17	8.51e-03	-1.21e-05	-2.41	0.0	-0.34	1.19	-0.02	0.0	8.51e-03	0.01
		0.0	0.0	-6.19e-06	0.0	55.4	-0.34	-1.23	-0.02	0.0	0.0	0.0
154	19	-0.46	5.22e-04	-1.33e-05	-3.19	0.0	0.14	2.52	7.43e-04	4.86e-05	1.24e-04	-1.01
		-1.01	1.24e-04	1.05e-06	0.0	55.4	0.14	-0.67	7.43e-04	4.86e-05	5.22e-04	-0.50
154	28	-1.85	1.07e-03	-3.71e-05	-11.84	0.0	-1.33	9.53	-4.24e-03	-6.85e-04	1.07e-03	-3.97
		-3.97	-1.22e-03	-1.11e-05	0.0	55.4	-1.33	-2.31	-4.24e-03	-6.85e-04	-1.22e-03	-1.97
154	43	-1.59	9.79e-04	-2.79e-05	-9.74	0.0	-1.50	7.90	-4.91e-03	-7.58e-04	9.79e-04	-3.37
		-3.37	-1.66e-03	-1.22e-05	0.0	55.4	-1.50	-1.85	-4.91e-03	-7.58e-04	-1.66e-03	-1.69
154	44	-1.62	9.70e-04	-2.98e-05	-9.74	0.0	-1.56	7.93	-4.78e-03	-6.42e-04	9.70e-04	-3.40
		-3.40	-1.61e-03	-1.28e-05	0.0	55.4	-1.56	-1.81	-4.78e-03	-6.42e-04	-1.61e-03	-1.71
154	69	-0.40	2.38e-03	-1.52e-05	-3.19	0.0	-0.26	2.51	2.90e-03	5.77e-04	8.47e-04	-0.95
		-0.95	8.47e-04	-1.42e-06	0.0	55.4	-0.26	-0.68	2.90e-03	5.77e-04	2.38e-03	-0.44
154	70	-0.43	2.43e-03	-1.76e-05	-3.19	0.0	-0.33	2.54	3.02e-03	6.93e-04	8.39e-04	-0.98
		-0.98	8.39e-04	-2.01e-06	0.0	55.4	-0.33	-0.65	3.02e-03	6.93e-04	2.43e-03	-0.46
154	114	-0.30	0.01	-2.74e-05	-6.29	0.0	-3.82	4.27	0.03	-4.87e-03	-7.60e-03	-1.11
		-1.11	-7.60e-03	3.41e-05	0.0	55.4	-3.82	-2.02	0.03	-4.87e-03	0.01	-0.48
154	115	-1.55	8.58e-03	-1.39e-05	-6.29	0.0	2.93	5.79	-0.03	4.27e-03	8.58e-03	-3.03
		-3.03	-0.01	-4.15e-05	0.0	55.4	2.93	-0.50	-0.03	4.27e-03	-0.01	-1.57
154	137	0.81	0.05	-5.01e-05	-6.29	0.0	-0.59	3.63	0.06	-7.04e-03	9.61e-03	0.23
		0.23	9.61e-03	-5.21e-05	0.0	55.4	-0.59	-2.66	0.06	-7.04e-03	0.05	0.50
154	140	-2.54	-8.62e-03	1.14e-05	-6.29	0.0	-0.29	6.43	-0.07	6.45e-03	-8.62e-03	-4.36
		-4.36	-0.05	4.47e-05	0.0	55.4	-0.29	0.14	-0.07	6.45e-03	-0.05	-2.54
154	141	0.86	0.05	-5.08e-05	-6.29	0.0	-0.43	3.59	0.06	-4.16e-03	0.01	0.29
		0.29	0.01	-5.18e-05	0.0	55.4	-0.43	-2.70	0.06	-4.16e-03	0.05	0.54
154	144	-2.58	-9.08e-03	1.21e-05	-6.29	0.0	-0.45	6.47	-0.07	3.56e-03	-9.08e-03	-4.42
		-4.42	-0.05	4.44e-05	0.0	55.4	-0.45	0.18	-0.07	3.56e-03	-0.05	-2.58
154	146	-0.22	0.01	-2.82e-05	-6.29	0.0	-4.23	4.18	0.03	-5.39e-03	-8.62e-03	-0.99
		-0.99	-8.62e-03	3.80e-05	0.0	55.4	-4.23	-2.11	0.03	-5.39e-03	0.01	-0.42
154	147	-1.62	9.61e-03	-1.31e-05	-6.29	0.0	3.35	5.88	-0.03	4.80e-03	9.61e-03	-3.14
		-3.14	-0.01	-4.55e-05	0.0	55.4	3.35	-0.41	-0.03	4.80e-03	-0.01	-1.63
154	169	1.05	0.05	-5.41e-05	-6.29	0.0	-0.61	3.45	0.07	-7.88e-03	0.01	0.52
		0.52	0.01	-5.89e-05	0.0	55.4	-0.61	-2.84	0.07	-7.88e-03	0.05	0.70
154	172	-2.74	-9.83e-03	1.55e-05	-6.29	0.0	-0.28	6.61	-0.08	7.29e-03	-9.83e-03	-4.66
		-4.66	-0.05	5.15e-05	0.0	55.4	-0.28	0.32	-0.08	7.29e-03	-0.05	-2.74
154	173	1.11	0.05	-5.49e-05	-6.29	0.0	-0.43	3.40	0.07	-4.65e-03	0.01	0.59
		0.59	0.01	-5.82e-05	0.0	55.4	-0.43	-2.89	0.07	-4.65e-03	0.05	0.74
154	176	-2.79	-0.01	1.62e-05	-6.29	0.0	-0.45	6.66	-0.08	4.06e-03	-0.01	-4.73
		-4.73	-0.05	5.08e-05	0.0	55.4	-0.45	0.37	-0.08	4.06e-03	-0.05	-2.79
154	178	-0.24	0.01	-2.80e-05	-6.29	0.0	-4.17	4.20	0.03	-5.05e-03	-8.66e-03	-1.02
		-1.02	-8.66e-03	3.35e-05	0.0	55.4	-4.17	-2.09	0.03	-5.05e-03	0.01	-0.43
154	179	-1.61	9.65e-03	-1.33e-05	-6.29	0.0	3.28	5.86	-0.03	4.46e-03	9.65e-03	-3.12
		-3.12	-0.01	-4.09e-05	0.0	55.4	3.28	-0.43	-0.03	4.46e-03	-0.01	-1.61
154	201	1.10	0.05	-5.50e-05	-6.29	0.0	-0.58	3.42	0.07	-7.74e-03	0.01	0.58
		0.58	0.01	-6.29e-05	0.0	55.4	-0.58	-2.87	0.07	-7.74e-03	0.05	0.73
154	204	-2.78	-0.01	1.64e-05	-6.29	0.0	-0.30	6.64	-0.08	7.15e-03	-0.01	-4.72
		-4.72	-0.05	5.55e-05	0.0	55.4	-0.30	0.35	-0.08	7.15e-03	-0.05	-2.78
154	205	1.15	0.05	-5.56e-05	-6.29	0.0	-0.41	3.38	0.07	-4.62e-03	0.01	0.64
		0.64	0.01	-6.03e-05	0.0	55.4	-0.41	-2.91	0.07	-4.62e-03	0.05	0.77
154	208	-2.82	-0.01	1.70e-05	-6.29	0.0	-0.47	6.68	-0.08	4.02e-03	-0.01	-4.78
		-4.78	-0.05	5.28e-05	0.0	55.4	-0.47	0.39	-0.08	4.02e-03	-0.05	-2.82
154	210	-0.12	0.01	-2.93e-05	-6.29	0.0	-4.79	4.07	0.04	-5.72e-03	-0.01	-0.85
		-0.85	-0.01	3.72e-05	0.0	55.4	-4.79	-2.22	0.04	-5.72e-03	0.01	-0.34
154	211	-1.70	0.01	-1.23e-05	-6.29	0.0	3.91	5.99	-0.04	5.12e-03	0.01	-3.28
		-3.28	-0.01	-4.47e-05	0.0	55.4	3.91	-0.30	-0.04	5.12e-03	-0.01	-1.71
154	233	1.51	0.06	-6.18e-05	-6.29	0.0	-0.59	3.12	0.09	-9.03e-03	0.01	1.08
		1.07	0.01	-7.58e-05	0.0	55.4	-0.59	-3.17	0.09	-9.03e-03	0.06	1.07
154	236	-3.11	-0.01	2.31e-05	-6.29	0.0	-0.29	6.94	-0.09	8.43e-03	-0.01	-5.21
		-5.21	-0.06	6.83e-05	0.0	55.4	-0.29	0.65	-0.09	8.43e-03	-0.06	-3.11
154	237	1.56	0.06	-6.24e-05	-6.29	0.0	-0.39	3.07	0.09	-5.38e-03	0.01	1.15
		1.11	0.01	-7.13e-05	0.0	55.4	-0.39	-3.22	0.09	-5.38e-03	0.06	1.11
154	240	-3.16	-0.01	2.37e-05	-6.29	0.0	-0.49	6.99	-0.09	4.79e-03	-0.01	-5.28
		-5.28	-0.06	6.39e-05	0.0	55.4	-0.49	0.70	-0.09	4.79e-03	-0.06	-3.16
154	248	-0.53	3.03e-04	-1.37e-05	-3.50	0.0	-0.03	2.79	2.30e-04	5.45e-06	1.84e-04	-1.14
		-1.14	1.84e-04	0.0	0.0	55.4	-0.03	-0.71	2.30e-04	5.45e-06	3.03e-04	-0.57
154	256	-1.28	7.28e-04	-2.57e-05	-8.15	0.0	-0.91	6.57	-2.88e-03	-4.71e-04	7.28e-04	-2.74
		-2.74	-8.22e-04	-7.65e-06	0.0	55.4	-0.91	-1.59	-2.88e-03	-4.71e-04	-8.22e-04	-1.36
154	263	-1.11	6.70e-04	-1.95e-05	-6.76	0.0	-1.02	5.48	-3.32e-03	-5.20e-04	6.70e-04	-2.34

		-2.34	-1.12e-03	-8.35e-06	0.0	55.4	-1.02	-1.28	-3.32e-03	-5.20e-04	-1.12e-03	-1.18
154	264	-1.12	6.64e-04	-2.08e-05	-6.76	0.0	-1.07	5.50	-3.23e-03	-4.43e-04	6.64e-04	-2.36
		-2.36	-1.08e-03	-8.75e-06	0.0	55.4	-1.07	-1.26	-3.23e-03	-4.43e-04	-1.08e-03	-1.19
154	273	-0.49	1.54e-03	-1.50e-05	-3.50	0.0	-0.29	2.78	1.66e-03	3.57e-04	6.66e-04	-1.10
		-1.10	6.66e-04	-1.83e-06	0.0	55.4	-0.29	-0.72	1.66e-03	3.57e-04	1.54e-03	-0.53
154	274	-0.51	1.58e-03	-1.65e-05	-3.50	0.0	-0.34	2.80	1.75e-03	4.35e-04	6.60e-04	-1.13
		-1.13	6.60e-04	-2.23e-06	0.0	55.4	-0.34	-0.70	1.75e-03	4.35e-04	1.58e-03	-0.54
154	298	-1.02	5.31e-04	-2.17e-05	-6.76	0.0	-0.46	5.40	-1.52e-03	-3.32e-04	5.31e-04	-2.21
		-2.21	-2.83e-04	-3.94e-06	0.0	55.4	-0.46	-1.36	-1.52e-03	-3.32e-04	-2.83e-04	-1.09
154	302	-0.57	2.39e-04	-1.28e-05	-3.50	0.0	-0.25	2.82	-4.90e-04	-6.99e-05	2.39e-04	-1.20
		-1.20	-3.10e-05	-1.95e-06	0.0	55.4	-0.25	-0.68	-4.90e-04	-6.99e-05	-3.10e-05	-0.60
154	305	-0.97	5.19e-04	-2.00e-05	-6.29	0.0	-0.55	5.05	-1.76e-03	-3.35e-04	5.19e-04	-2.09
		-2.09	-4.25e-04	-4.60e-06	0.0	55.4	-0.55	-1.24	-1.76e-03	-3.35e-04	-4.25e-04	-1.04
154	306	-0.56	3.35e-04	-1.30e-05	-3.50	0.0	-0.30	2.82	-2.03e-04	0.0	3.35e-04	-1.19
		-1.19	2.17e-04	-2.28e-06	0.0	55.4	-0.30	-0.68	-2.03e-04	0.0	2.17e-04	-0.59
154	307	-0.94	5.74e-04	-2.08e-05	-6.29	0.0	-0.44	5.02	-9.31e-04	-2.08e-04	5.74e-04	-2.05
		-2.05	7.32e-05	-3.61e-06	0.0	55.4	-0.44	-1.27	-9.31e-04	-2.08e-04	7.32e-05	-1.01
154	309	-0.57	2.53e-04	-1.25e-05	-3.50	0.0	-0.31	2.83	-6.70e-04	-8.88e-05	2.53e-04	-1.21
		-1.21	-1.14e-04	-2.39e-06	0.0	55.4	-0.31	-0.67	-6.70e-04	-8.88e-05	-1.14e-04	-0.61
154	310	-0.95	4.91e-04	-2.04e-05	-6.29	0.0	-0.44	5.03	-1.40e-03	-2.97e-04	4.91e-04	-2.07
		-2.07	-2.59e-04	-3.72e-06	0.0	55.4	-0.44	-1.26	-1.40e-03	-2.97e-04	-2.59e-04	-1.02
155	19	-0.13	7.90e-04	-1.13e-05	-3.19	0.0	0.16	2.06	5.09e-04	5.43e-05	5.15e-04	-0.50
		-0.50	5.15e-04	1.10e-06	0.0	55.4	0.16	-1.13	5.09e-04	5.43e-05	7.90e-04	-0.24
155	28	-0.56	-1.19e-03	-3.29e-05	-11.84	0.0	-1.25	7.77	-7.54e-03	-5.67e-04	-1.19e-03	-1.97
		-1.97	-5.29e-03	-1.13e-05	0.0	55.4	-1.25	-4.07	-7.54e-03	-5.67e-04	-5.29e-03	-0.95
155	44	-0.52	-1.58e-03	-2.67e-05	-9.74	0.0	-1.50	6.46	-8.52e-03	-5.11e-04	-1.58e-03	-1.71
		-1.71	-6.23e-03	-1.30e-05	0.0	55.4	-1.50	-3.28	-8.52e-03	-5.11e-04	-6.23e-03	-0.83
155	69	-0.09	2.37e-03	-1.24e-05	-3.19	0.0	-0.22	2.03	-4.25e-03	9.20e-05	2.37e-03	-0.44
		-0.44	2.90e-05	-1.15e-06	0.0	55.4	-0.22	-1.16	-4.25e-03	9.20e-05	2.90e-05	-0.20
155	70	-0.10	2.41e-03	-1.43e-05	-3.19	0.0	-0.29	2.05	-4.61e-03	2.01e-04	2.41e-03	-0.46
		-0.46	-1.39e-04	-1.74e-06	0.0	55.4	-0.29	-1.14	-4.61e-03	2.01e-04	-1.39e-04	-0.21
155	114	0.08	0.01	-2.06e-05	-6.29	0.0	-3.53	3.59	4.48e-03	-5.81e-03	0.01	-0.48
		-0.48	0.01	2.60e-05	0.0	55.4	-3.53	-2.70	4.48e-03	-5.81e-03	0.01	-0.24
155	115	-0.63	-0.01	-1.54e-05	-6.29	0.0	2.74	4.62	-9.75e-03	5.33e-03	-0.01	-1.57
		-1.57	-0.02	-3.35e-05	0.0	55.4	2.74	-1.67	-9.75e-03	5.33e-03	-0.02	-0.75
155	133	0.82	0.05	-3.38e-05	-6.29	0.0	0.24	2.99	0.02	-0.01	0.04	0.43
		0.34	0.04	-1.43e-04	0.0	55.4	0.24	-3.30	0.02	-0.01	0.05	0.34
155	136	-1.28	-0.04	-5.82e-06	-6.29	0.0	-1.03	5.22	-0.03	0.01	-0.04	-2.48
		-2.48	-0.05	1.36e-04	0.0	55.4	-1.03	-1.07	-0.03	0.01	-0.05	-1.33
155	141	0.91	0.05	-3.50e-05	-6.29	0.0	-0.04	2.92	0.01	-4.96e-03	0.05	0.54
		0.41	0.05	-4.78e-05	0.0	55.4	-0.04	-3.37	0.01	-4.96e-03	0.05	0.41
155	144	-1.36	-0.05	-5.17e-06	-6.29	0.0	-0.76	5.29	-0.02	4.47e-03	-0.05	-2.58
		-2.58	-0.05	4.03e-05	0.0	55.4	-0.76	-1.00	-0.02	4.47e-03	-0.05	-1.40
155	146	0.13	0.02	-2.09e-05	-6.29	0.0	-3.92	3.53	5.34e-03	-6.46e-03	0.01	-0.42
		-0.42	0.01	2.90e-05	0.0	55.4	-3.92	-2.77	5.34e-03	-6.46e-03	0.02	-0.21
155	147	-0.67	-0.01	-1.51e-05	-6.29	0.0	3.12	4.68	-0.01	5.98e-03	-0.01	-1.63
		-1.63	-0.02	-3.65e-05	0.0	55.4	3.12	-1.61	-0.01	5.98e-03	-0.02	-0.78
155	165	0.97	0.06	-3.61e-05	-6.29	0.0	0.33	2.84	0.02	-0.02	0.05	0.62
		0.45	0.05	-1.62e-04	0.0	55.4	0.33	-3.45	0.02	-0.02	0.06	0.45
155	168	-1.40	-0.05	5.23e-06	-6.29	0.0	-1.12	5.36	-0.03	0.02	-0.05	-2.67
		-2.67	-0.06	1.54e-04	0.0	55.4	-1.12	-0.93	-0.03	0.02	-0.06	-1.44
155	173	1.08	0.06	-3.74e-05	-6.29	0.0	0.01	2.76	0.01	-5.55e-03	0.05	0.74
		0.53	0.05	-5.36e-05	0.0	55.4	0.01	-3.53	0.01	-5.55e-03	0.06	0.53
155	176	-1.48	-0.05	6.63e-06	-6.29	0.0	-0.81	5.44	-0.02	5.06e-03	-0.05	-2.79
		-2.79	-0.06	4.61e-05	0.0	55.4	-0.81	-0.85	-0.02	5.06e-03	-0.06	-1.52
155	178	0.12	0.01	-2.09e-05	-6.29	0.0	-3.87	3.54	5.16e-03	-6.14e-03	0.01	-0.43
		-0.43	0.01	2.50e-05	0.0	55.4	-3.87	-2.75	5.16e-03	-6.14e-03	0.01	-0.21
155	179	-0.66	-0.01	-1.51e-05	-6.29	0.0	3.07	4.67	-0.01	5.65e-03	-0.01	-1.61
		-1.61	-0.02	-3.25e-05	0.0	55.4	3.07	-1.63	-0.01	5.65e-03	-0.02	-0.77
155	197	1.01	0.06	-3.67e-05	-6.29	0.0	0.37	2.81	0.02	-0.02	0.05	0.66
		0.48	0.05	-1.68e-04	0.0	55.4	0.37	-3.48	0.02	-0.02	0.06	0.48
155	200	-1.43	-0.05	5.87e-06	-6.29	0.0	-1.17	5.39	-0.03	0.02	-0.05	-2.71
		-2.71	-0.06	1.61e-04	0.0	55.4	-1.17	-0.90	-0.03	0.02	-0.06	-1.47
155	205	1.10	0.06	-3.79e-05	-6.29	0.0	0.04	2.74	0.01	-5.47e-03	0.05	0.77
		0.55	0.05	-5.55e-05	0.0	55.4	0.04	-3.55	0.01	-5.47e-03	0.06	0.55
155	208	-1.51	-0.05	7.11e-06	-6.29	0.0	-0.84	5.47	-0.02	4.98e-03	-0.05	-2.82
		-2.82	-0.06	4.80e-05	0.0	55.4	-0.84	-0.82	-0.02	4.98e-03	-0.06	-1.54
155	210	0.18	0.02	-2.14e-05	-6.29	0.0	-4.45	3.45	6.34e-03	-7.00e-03	0.01	-0.34
		-0.34	0.01	2.76e-05	0.0	55.4	-4.45	-2.84	6.34e-03	-7.00e-03	0.02	-0.17
155	211	-0.71	-0.01	-1.47e-05	-6.29	0.0	3.65	4.76	-0.01	6.51e-03	-0.01	-1.71
		-1.71	-0.02	-3.51e-05	0.0	55.4	3.65	-1.54	-0.01	6.51e-03	-0.02	-0.82
155	229	1.28	0.07	-4.09e-05	-6.29	0.0	0.55	2.56	0.03	-0.02	0.06	1.00
		0.67	0.06	-2.02e-04	0.0	55.4	0.55	-3.73	0.03	-0.02	0.07	0.67
155	232	-1.64	-0.06	1.01e-05	-6.29	0.0	-1.35	5.65	-0.03	0.02	-0.06	-3.04
		-3.04	-0.08	1.95e-04	0.0	55.4	-1.35	-0.64	-0.03	0.02	-0.08	-1.66

155	237	1.38	0.07	-4.21e-05	-6.29	0.0	0.14	2.49	0.02	-6.39e-03	0.06	1.11
		0.74	0.06	-6.55e-05	0.0	55.4	0.14	-3.80	0.02	-6.39e-03	0.07	0.74
155	240	-1.72	-0.06	1.13e-05	-6.29	0.0	-0.93	5.72	-0.02	5.90e-03	-0.06	-3.16
		-3.16	-0.07	5.80e-05	0.0	55.4	-0.93	-0.57	-0.02	5.90e-03	-0.07	-1.73
155	248	-0.16	2.99e-04	-1.18e-05	-3.50	0.0	-6.30e-03	2.28	-3.28e-04	2.21e-05	2.99e-04	-0.57
		-0.57	1.15e-04	0.0	0.0	55.4	-6.30e-03	-1.22	-3.28e-04	2.21e-05	1.15e-04	-0.28
155	256	-0.39	-8.01e-04	-2.27e-05	-8.15	0.0	-0.85	5.35	-5.16e-03	-3.88e-04	-8.01e-04	-1.36
		-1.36	-3.61e-03	-7.74e-06	0.0	55.4	-0.85	-2.80	-5.16e-03	-3.88e-04	-3.61e-03	-0.66
155	264	-0.37	-1.06e-03	-1.86e-05	-6.76	0.0	-1.02	4.48	-5.81e-03	-3.51e-04	-1.06e-03	-1.19
		-1.19	-4.24e-03	-8.87e-06	0.0	55.4	-1.02	-2.27	-5.81e-03	-3.51e-04	-4.24e-03	-0.58
155	273	-0.13	1.54e-03	-1.25e-05	-3.50	0.0	-0.26	2.26	-3.50e-03	4.73e-05	1.54e-03	-0.53
		-0.53	-3.93e-04	-1.66e-06	0.0	55.4	-0.26	-1.24	-3.50e-03	4.73e-05	-3.93e-04	-0.25
155	274	-0.14	1.57e-03	-1.37e-05	-3.50	0.0	-0.30	2.27	-3.74e-03	1.20e-04	1.57e-03	-0.54
		-0.54	-5.05e-04	-2.05e-06	0.0	55.4	-0.30	-1.23	-3.74e-03	1.20e-04	-5.05e-04	-0.25
155	298	-0.30	-2.69e-04	-1.91e-05	-6.76	0.0	-0.42	4.40	-2.79e-03	-2.76e-04	-2.69e-04	-1.09
		-1.09	-1.78e-03	-3.98e-06	0.0	55.4	-0.42	-2.36	-2.79e-03	-2.76e-04	-1.78e-03	-0.53
155	302	-0.18	-3.02e-05	-1.11e-05	-3.50	0.0	-0.23	2.31	-1.44e-03	-3.68e-05	-3.02e-05	-0.60
		-0.60	-8.23e-04	-1.96e-06	0.0	55.4	-0.23	-1.19	-1.44e-03	-3.68e-05	-8.23e-04	-0.29
155	305	-0.30	-4.11e-04	-1.76e-05	-6.29	0.0	-0.51	4.12	-3.19e-03	-2.73e-04	-4.11e-04	-1.04
		-1.04	-2.15e-03	-4.65e-06	0.0	55.4	-0.51	-2.17	-3.19e-03	-2.73e-04	-2.15e-03	-0.50
155	306	-0.18	2.17e-04	-1.13e-05	-3.50	0.0	-0.28	2.30	-2.07e-03	-3.18e-05	2.17e-04	-0.59
		-0.59	-9.24e-04	-2.26e-06	0.0	55.4	-0.28	-1.20	-2.07e-03	-3.18e-05	-9.24e-04	-0.29
155	309	-0.19	-1.12e-04	-1.10e-05	-3.50	0.0	-0.29	2.31	-1.72e-03	-5.15e-05	-1.12e-04	-0.61
		-0.61	-1.06e-03	-2.41e-06	0.0	55.4	-0.29	-1.19	-1.72e-03	-5.15e-05	-1.06e-03	-0.30
155	310	-0.28	-2.46e-04	-1.80e-05	-6.29	0.0	-0.40	4.10	-2.64e-03	-2.44e-04	-2.46e-04	-1.02
		-1.02	-1.68e-03	-3.75e-06	0.0	55.4	-0.40	-2.19	-2.64e-03	-2.44e-04	-1.68e-03	-0.49
156	19	0.06	7.92e-04	-9.71e-06	-3.19	0.0	0.22	1.86	-1.76e-03	-7.38e-05	7.92e-04	-0.24
		-0.24	-1.64e-04	1.19e-06	0.0	55.4	0.22	-1.33	-1.76e-03	-7.38e-05	-1.64e-04	-0.09
156	28	0.18	-4.16e-05	-2.92e-05	-11.84	0.0	-1.18	6.95	9.35e-03	-5.71e-04	-5.27e-03	-0.95
		-0.95	-5.27e-03	-1.19e-05	0.0	55.4	-1.18	-4.89	9.35e-03	-5.71e-04	-4.16e-05	-0.38
156	44	0.12	7.31e-05	-2.37e-05	-9.74	0.0	-1.47	5.78	0.01	-4.37e-04	-6.22e-03	-0.83
		-0.83	-6.22e-03	-1.37e-05	0.0	55.4	-1.47	-3.96	0.01	-4.37e-04	7.31e-05	-0.32
156	51	0.24	1.91e-06	-3.01e-05	-11.84	0.0	-0.53	6.84	4.16e-03	-7.33e-04	-2.39e-03	-0.86
		-0.86	-2.39e-03	-6.26e-06	0.0	55.4	-0.53	-4.99	4.16e-03	-7.33e-04	1.91e-06	-0.34
156	114	0.26	0.01	-2.25e-05	-6.29	0.0	-5.16	3.36	-0.03	-6.83e-03	0.01	-0.24
		-0.24	-4.34e-03	1.79e-05	0.0	55.4	-5.16	-2.93	-0.03	-6.83e-03	-4.34e-03	-0.12
156	115	-0.05	4.15e-03	-1.03e-05	-6.29	0.0	4.47	4.00	0.04	6.24e-03	-0.02	-0.75
		-0.75	-0.02	-2.58e-05	0.0	55.4	4.47	-2.29	0.04	6.24e-03	4.15e-03	-0.28
156	133	0.69	0.05	-2.54e-05	-6.29	0.0	0.20	2.81	-0.09	-0.02	0.05	0.34
		0.15	9.48e-04	-1.39e-04	0.0	55.4	0.20	-3.49	-0.09	-0.02	9.48e-04	0.15
156	136	-0.42	-1.14e-03	-8.13e-06	-6.29	0.0	-0.89	4.56	0.10	0.01	-0.06	-1.33
		-1.33	-0.06	1.31e-04	0.0	55.4	-0.89	-1.73	0.10	0.01	-1.14e-03	-0.55
156	141	0.74	0.05	-2.65e-05	-6.29	0.0	-0.14	2.74	-0.09	-6.32e-03	0.05	0.41
		0.19	7.81e-04	-4.38e-05	0.0	55.4	-0.14	-3.55	-0.09	-6.32e-03	7.81e-04	0.19
156	144	-0.46	-9.69e-04	-7.43e-06	-6.29	0.0	-0.55	4.62	0.10	5.73e-03	-0.05	-1.40
		-1.40	-0.05	3.59e-05	0.0	55.4	-0.55	-1.67	0.10	5.73e-03	-9.69e-04	-0.58
156	146	0.28	0.02	-2.34e-05	-6.29	0.0	-5.75	3.32	-0.04	-7.60e-03	0.02	-0.21
		-0.21	-4.87e-03	2.00e-05	0.0	55.4	-5.75	-2.97	-0.04	-7.60e-03	-4.87e-03	-0.11
156	147	-0.06	4.68e-03	-9.69e-06	-6.29	0.0	5.06	4.04	0.04	7.01e-03	-0.02	-0.78
		-0.78	-0.02	-2.79e-05	0.0	55.4	5.06	-2.25	0.04	7.01e-03	4.68e-03	-0.29
156	165	0.77	0.06	-2.68e-05	-6.29	0.0	0.27	2.69	-0.11	-0.02	0.06	0.45
		0.20	1.09e-03	-1.57e-04	0.0	55.4	0.27	-3.60	-0.11	-0.02	1.09e-03	0.20
156	168	-0.48	-1.28e-03	-7.23e-06	-6.29	0.0	-0.97	4.67	0.11	0.02	-0.06	-1.44
		-1.44	-0.06	1.50e-04	0.0	55.4	-0.97	-1.62	0.11	0.02	-1.28e-03	-0.59
156	173	0.83	0.06	-2.80e-05	-6.29	0.0	-0.11	2.62	-0.10	-7.09e-03	0.06	0.53
		0.24	9.00e-04	-4.91e-05	0.0	55.4	-0.11	-3.67	-0.10	-7.09e-03	9.00e-04	0.24
156	176	-0.53	-1.09e-03	-6.52e-06	-6.29	0.0	-0.58	4.74	0.11	6.50e-03	-0.06	-1.52
		-1.52	-0.06	4.12e-05	0.0	55.4	-0.58	-1.55	0.11	6.50e-03	-1.09e-03	-0.63
156	178	0.27	0.02	-2.31e-05	-6.29	0.0	-5.67	3.33	-0.04	-7.28e-03	0.02	-0.21
		-0.21	-4.79e-03	1.67e-05	0.0	55.4	-5.67	-2.96	-0.04	-7.28e-03	-4.79e-03	-0.11
156	179	-0.06	4.61e-03	-9.84e-06	-6.29	0.0	4.98	4.03	0.04	6.69e-03	-0.02	-0.77
		-0.77	-0.02	-2.46e-05	0.0	55.4	4.98	-2.26	0.04	6.69e-03	4.61e-03	-0.28
156	197	0.79	0.06	-2.71e-05	-6.29	0.0	0.33	2.66	-0.11	-0.02	0.06	0.48
		0.21	1.15e-03	-1.64e-04	0.0	55.4	0.33	-3.63	-0.11	-0.02	1.15e-03	0.21
156	200	-0.49	-1.34e-03	-6.99e-06	-6.29	0.0	-1.02	4.70	0.12	0.02	-0.07	-1.47
		-1.47	-0.07	1.56e-04	0.0	55.4	-1.02	-1.59	0.12	0.02	-1.34e-03	-0.61
156	205	0.85	0.06	-2.83e-05	-6.29	0.0	-0.07	2.60	-0.11	-7.10e-03	0.06	0.55
		0.25	9.50e-04	-5.07e-05	0.0	55.4	-0.07	-3.69	-0.11	-7.10e-03	9.50e-04	0.25
156	208	-0.54	-1.14e-03	-6.35e-06	-6.29	0.0	-0.62	4.77	0.11	6.51e-03	-0.06	-1.54
		-1.54	-0.06	4.28e-05	0.0	55.4	-0.62	-1.53	0.11	6.51e-03	-1.14e-03	-0.64
156	210	0.30	0.02	-2.44e-05	-6.29	0.0	-6.56	3.27	-0.04	-8.32e-03	0.02	-0.17
		-0.17	-5.58e-03	1.82e-05	0.0	55.4	-6.56	-3.02	-0.04	-8.32e-03	-5.58e-03	-0.10
156	211	-0.08	5.39e-03	-9.03e-06	-6.29	0.0	5.87	4.09	0.05	7.73e-03	-0.02	-0.82
		-0.82	-0.02	-2.61e-05	0.0	55.4	5.87	-2.20	0.05	7.73e-03	5.39e-03	-0.30
156	229	0.94	0.07	-2.97e-05	-6.29	0.0	0.49	2.46	-0.13	-0.02	0.07	0.67

		0.29	1.43e-03	-1.97e-04	0.0	55.4	0.49	-3.83	-0.13	-0.02	1.43e-03	0.29
156	232	-0.60	-1.62e-03	-5.57e-06	-6.29	0.0	-1.18	4.90	0.14	0.02	-0.08	-1.66
		-1.66	-0.08	1.89e-04	0.0	55.4	-1.18	-1.39	0.14	0.02	-1.62e-03	-0.69
156	237	1.00	0.07	-3.09e-05	-6.29	0.0	-4.95e-03	2.40	-0.13	-8.34e-03	0.07	0.74
		0.33	1.16e-03	-5.98e-05	0.0	55.4	-4.95e-03	-3.89	-0.13	-8.34e-03	1.16e-03	0.33
156	240	-0.65	-1.35e-03	6.64e-06	-6.29	0.0	-0.69	4.97	0.13	7.75e-03	-0.07	-1.73
		-1.73	-0.07	5.19e-05	0.0	55.4	-0.69	-1.32	0.13	7.75e-03	-1.35e-03	-0.72
156	248	0.06	1.17e-04	-1.02e-05	-3.50	0.0	0.05	2.06	-4.81e-04	-8.03e-05	1.17e-04	-0.28
		-0.28	-1.31e-04	0.0	0.0	55.4	0.05	-1.44	-4.81e-04	-8.03e-05	-1.31e-04	-0.11
156	256	0.12	-3.28e-05	-2.02e-05	-8.15	0.0	-0.81	4.79	6.37e-03	-3.94e-04	-3.59e-03	-0.66
		-0.66	-3.59e-03	-8.17e-06	0.0	55.4	-0.81	-3.36	6.37e-03	-3.94e-04	-3.28e-05	-0.26
156	264	0.08	4.37e-05	-1.65e-05	-6.76	0.0	-1.00	4.01	7.68e-03	-3.04e-04	-4.23e-03	-0.58
		-0.58	-4.23e-03	-9.37e-06	0.0	55.4	-1.00	-2.74	7.68e-03	-3.04e-04	4.37e-05	-0.23
156	267	0.16	-3.78e-06	-2.08e-05	-8.15	0.0	-0.38	4.72	2.91e-03	-5.01e-04	-1.67e-03	-0.60
		-0.60	-1.67e-03	-4.41e-06	0.0	55.4	-0.38	-3.43	2.91e-03	-5.01e-04	-3.78e-06	-0.24
156	273	0.08	1.32e-04	-1.07e-05	-3.50	0.0	-0.20	2.03	8.76e-04	-2.12e-04	-3.83e-04	-0.25
		-0.25	-3.83e-04	-1.72e-06	0.0	55.4	-0.20	-1.47	8.76e-04	-2.12e-04	1.32e-04	-0.09
156	298	0.11	-9.99e-05	-1.69e-05	-6.76	0.0	-0.36	3.95	2.95e-03	-3.30e-04	-1.77e-03	-0.53
		-0.53	-1.77e-03	-4.19e-06	0.0	55.4	-0.36	-2.81	2.95e-03	-3.30e-04	-9.99e-05	-0.21
156	302	0.05	-7.27e-05	-9.67e-06	-3.50	0.0	-0.19	2.08	1.33e-03	-9.14e-05	-8.20e-04	-0.29
		-0.29	-8.20e-04	-2.06e-06	0.0	55.4	-0.19	-1.42	1.33e-03	-9.14e-05	-7.27e-05	-0.11
156	305	0.10	-6.46e-05	-1.56e-05	-6.29	0.0	-0.47	3.69	3.68e-03	-3.02e-04	-2.13e-03	-0.50
		-0.50	-2.13e-03	-4.91e-06	0.0	55.4	-0.47	-2.60	3.68e-03	-3.02e-04	-6.46e-05	-0.20
156	306	0.05	-2.00e-05	-9.77e-06	-3.50	0.0	-0.24	2.07	1.60e-03	-1.18e-04	-9.20e-04	-0.29
		-0.29	-9.20e-04	-2.37e-06	0.0	55.4	-0.24	-1.43	1.60e-03	-1.18e-04	-2.00e-05	-0.11
156	309	0.04	-5.81e-05	-9.54e-06	-3.50	0.0	-0.25	2.08	1.78e-03	-9.41e-05	-1.05e-03	-0.30
		-0.30	-1.05e-03	-2.54e-06	0.0	55.4	-0.25	-1.42	1.78e-03	-9.41e-05	-5.81e-05	-0.11
156	310	0.10	-9.39e-05	-1.59e-05	-6.29	0.0	-0.35	3.68	2.78e-03	-2.96e-04	-1.67e-03	-0.49
		-0.49	-1.67e-03	-3.96e-06	0.0	55.4	-0.35	-2.61	2.78e-03	-2.96e-04	-9.39e-05	-0.20
157	19	0.18	-1.46e-04	-7.95e-06	-3.19	0.0	0.24	1.76	-1.36e-04	-2.85e-04	-1.46e-04	-0.09
		-0.09	-1.65e-04	1.16e-06	0.0	55.4	0.24	-1.43	-1.36e-04	-2.85e-04	-1.65e-04	0.0
157	27	0.64	1.56e-05	-2.44e-05	-11.84	0.0	-1.14	6.60	-1.16e-03	-1.12e-03	1.56e-05	-0.38
		-0.38	-4.38e-04	-1.13e-05	0.0	55.4	-1.14	-5.24	-1.16e-03	-1.12e-03	-4.38e-04	0.0
157	44	0.52	1.12e-04	-2.00e-05	-9.74	0.0	-1.50	5.46	-1.21e-03	-9.14e-04	1.12e-04	-0.32
		-0.32	-3.97e-04	-1.37e-05	0.0	55.4	-1.50	-4.29	-1.21e-03	-9.14e-04	-3.97e-04	0.0
157	52	0.66	6.52e-05	-2.71e-05	-11.84	0.0	-0.61	6.54	-1.32e-03	-1.33e-03	6.52e-05	-0.34
		-0.34	-4.49e-04	-6.89e-06	0.0	55.4	-0.61	-5.30	-1.32e-03	-1.33e-03	-4.49e-04	0.0
157	69	0.19	2.65e-04	-8.48e-06	-3.19	0.0	-0.16	1.73	-8.35e-04	-6.52e-04	2.65e-04	-0.07
		-0.07	-1.03e-04	-1.16e-06	0.0	55.4	-0.16	-1.46	-8.35e-04	-6.52e-04	-1.03e-04	0.0
157	76	0.64	-2.09e-04	-2.58e-05	-11.84	0.0	-0.66	6.59	-8.49e-04	-1.00e-03	-2.09e-04	-0.37
		-0.37	-4.97e-04	-8.01e-06	0.0	55.4	-0.66	-5.25	-8.49e-04	-1.00e-03	-4.97e-04	0.0
157	114	0.38	-3.62e-03	-1.73e-05	-6.29	0.0	-4.25	3.36	-4.28e-03	-5.82e-03	-3.62e-03	-0.12
		-0.12	-4.86e-03	1.10e-05	0.0	55.4	-4.25	-2.93	-4.28e-03	-5.82e-03	-4.86e-03	0.0
157	115	0.31	4.35e-03	-1.04e-05	-6.29	0.0	3.57	3.64	3.22e-03	4.64e-03	3.49e-03	-0.28
		-0.28	3.49e-03	-1.89e-05	0.0	55.4	3.57	-2.65	3.22e-03	4.64e-03	4.35e-03	0.0
157	118	0.37	-3.20e-03	-1.74e-05	-6.29	0.0	-4.16	3.38	-4.12e-03	-7.86e-03	-3.20e-03	-0.13
		-0.13	-4.90e-03	-1.77e-05	0.0	55.4	-4.16	-2.92	-4.12e-03	-7.86e-03	-4.90e-03	0.0
157	135	0.45	4.39e-03	-1.90e-05	-6.29	0.0	1.73	3.08	1.42e-03	-0.01	4.39e-03	0.04
		0.0	3.28e-03	-1.35e-04	0.0	55.4	1.73	-3.21	1.42e-03	-0.01	3.28e-03	0.0
157	141	0.53	2.44e-03	-2.32e-05	-6.29	0.0	-0.20	2.81	1.86e-03	-5.20e-03	1.48e-03	0.19
		0.0	1.48e-03	-4.38e-05	0.0	55.4	-0.20	-3.48	1.86e-03	-5.20e-03	2.44e-03	0.0
157	144	0.19	-1.61e-03	-6.44e-06	-6.29	0.0	-0.48	4.19	-2.92e-03	4.03e-03	-1.61e-03	-0.58
		-0.58	-2.95e-03	3.59e-05	0.0	55.4	-0.48	-2.10	-2.92e-03	4.03e-03	-2.95e-03	0.0
157	146	0.38	-4.06e-03	-1.78e-05	-6.29	0.0	-4.73	3.34	-4.73e-03	-6.44e-03	-4.06e-03	-0.11
		-0.11	-5.43e-03	1.23e-05	0.0	55.4	-4.73	-2.95	-4.73e-03	-6.44e-03	-5.43e-03	0.0
157	147	0.30	4.92e-03	-1.00e-05	-6.29	0.0	4.05	3.66	3.67e-03	5.27e-03	3.93e-03	-0.29
		-0.29	3.93e-03	-2.03e-05	0.0	55.4	4.05	-2.63	3.67e-03	5.27e-03	4.92e-03	0.0
157	150	0.38	-3.58e-03	-1.79e-05	-6.29	0.0	-4.63	3.36	-4.55e-03	-8.75e-03	-3.58e-03	-0.12
		-0.12	-5.48e-03	-2.02e-05	0.0	55.4	-4.63	-2.93	-4.55e-03	-8.75e-03	-5.48e-03	0.0
157	167	0.47	4.98e-03	-1.98e-05	-6.29	0.0	2.00	3.02	1.64e-03	-0.01	4.98e-03	0.07
		0.0	3.74e-03	-1.53e-04	0.0	55.4	2.00	-3.27	1.64e-03	-0.01	3.74e-03	0.0
157	173	0.56	2.80e-03	-2.46e-05	-6.29	0.0	-0.18	2.72	2.16e-03	-5.80e-03	1.69e-03	0.24
		0.0	1.69e-03	-4.91e-05	0.0	55.4	-0.18	-3.57	2.16e-03	-5.80e-03	2.80e-03	0.0
157	176	0.18	-1.82e-03	7.36e-06	-6.29	0.0	-0.51	4.29	-3.22e-03	4.62e-03	-1.82e-03	-0.63
		-0.63	-3.31e-03	4.11e-05	0.0	55.4	-0.51	-2.01	-3.22e-03	4.62e-03	-3.31e-03	0.0
157	178	0.38	-4.02e-03	-1.77e-05	-6.29	0.0	-4.66	3.35	-4.57e-03	-6.20e-03	-4.02e-03	-0.11
		-0.11	-5.36e-03	9.51e-06	0.0	55.4	-4.66	-2.95	-4.57e-03	-6.20e-03	-5.36e-03	0.0
157	179	0.30	4.85e-03	-1.01e-05	-6.29	0.0	3.98	3.66	3.51e-03	5.02e-03	3.89e-03	-0.28
		-0.28	3.89e-03	-1.74e-05	0.0	55.4	3.98	-2.63	3.51e-03	5.02e-03	4.85e-03	0.0
157	182	0.38	-3.51e-03	-1.78e-05	-6.29	0.0	-4.56	3.36	-4.43e-03	-8.59e-03	-3.51e-03	-0.12
		-0.12	-5.41e-03	-2.44e-05	0.0	55.4	-4.56	-2.93	-4.43e-03	-8.59e-03	-5.41e-03	0.0
157	199	0.48	5.11e-03	-2.01e-05	-6.29	0.0	2.01	3.00	1.52e-03	-0.01	5.11e-03	0.08
		0.0	3.82e-03	-1.59e-04	0.0	55.4	2.01	-3.29	1.52e-03	-0.01	3.82e-03	0.0
157	205	0.57	2.89e-03	-2.48e-05	-6.29	0.0	-0.15	2.70	2.12e-03	-5.81e-03	1.76e-03	0.25
		0.0	1.76e-03	-5.06e-05	0.0	55.4	-0.15	-3.59	2.12e-03	-5.81e-03	2.89e-03	0.0

157	208	0.17	-1.89e-03	7.60e-06	-6.29	0.0	-0.53	4.30	-3.18e-03	4.64e-03	-1.89e-03	-0.64
		-0.64	-3.40e-03	4.27e-05	0.0	55.4	-0.53	-1.99	-3.18e-03	4.64e-03	-3.40e-03	0.0
157	210	0.39	-4.70e-03	-1.84e-05	-6.29	0.0	-5.39	3.32	-5.23e-03	-7.04e-03	-4.70e-03	-0.10
		-0.10	-6.23e-03	1.00e-05	0.0	55.4	-5.39	-2.97	-5.23e-03	-7.04e-03	-6.23e-03	0.0
157	211	0.30	5.72e-03	-9.62e-06	-6.29	0.0	4.70	3.68	4.17e-03	5.87e-03	4.58e-03	-0.30
		-0.30	4.58e-03	-1.80e-05	0.0	55.4	4.70	-2.61	4.17e-03	5.87e-03	5.72e-03	0.0
157	214	0.38	-4.09e-03	-1.85e-05	-6.29	0.0	-5.26	3.34	-5.07e-03	-9.94e-03	-4.09e-03	-0.11
		-0.11	-6.27e-03	-3.10e-05	0.0	55.4	-5.26	-2.95	-5.07e-03	-9.94e-03	-6.27e-03	0.0
157	231	0.51	6.12e-03	-2.16e-05	-6.29	0.0	2.43	2.89	1.88e-03	-0.02	6.12e-03	0.14
		0.0	4.61e-03	-1.91e-04	0.0	55.4	2.43	-3.40	1.88e-03	-0.02	4.61e-03	0.0
157	237	0.61	3.49e-03	-2.72e-05	-6.29	0.0	-0.10	2.55	2.58e-03	-6.76e-03	2.12e-03	0.33
		0.0	2.12e-03	-5.97e-05	0.0	55.4	-0.10	-3.74	2.58e-03	-6.76e-03	3.49e-03	0.0
157	240	0.15	-2.25e-03	1.04e-05	-6.29	0.0	-0.58	4.45	-3.63e-03	5.59e-03	-2.25e-03	-0.72
		-0.72	-4.00e-03	5.17e-05	0.0	55.4	-0.58	-1.84	-3.63e-03	5.59e-03	-4.00e-03	0.0
157	248	0.19	-1.14e-04	-8.37e-06	-3.50	0.0	0.07	1.94	-2.18e-04	-3.05e-04	-1.14e-04	-0.11
		-0.11	-1.74e-04	0.0	0.0	55.4	0.07	-1.56	-2.18e-04	-3.05e-04	-1.74e-04	0.0
157	255	0.44	6.85e-06	-1.69e-05	-8.15	0.0	-0.78	4.55	-8.00e-04	-7.77e-04	6.85e-06	-0.26
		-0.26	-3.07e-04	-7.77e-06	0.0	55.4	-0.78	-3.60	-8.00e-04	-7.77e-04	-3.07e-04	0.0
157	264	0.36	7.11e-05	-1.39e-05	-6.76	0.0	-1.02	3.79	-8.39e-04	-6.39e-04	7.11e-05	-0.23
		-0.23	-2.80e-04	-9.37e-06	0.0	55.4	-1.02	-2.97	-8.39e-04	-6.39e-04	-2.80e-04	0.0
157	268	0.45	3.99e-05	-1.86e-05	-8.15	0.0	-0.42	4.50	-9.09e-04	-9.13e-04	3.99e-05	-0.24
		-0.24	-3.14e-04	-4.83e-06	0.0	55.4	-0.42	-3.65	-9.09e-04	-9.13e-04	-3.14e-04	0.0
157	273	0.20	1.60e-04	-8.71e-06	-3.50	0.0	-0.20	1.92	-6.83e-04	-5.49e-04	1.60e-04	-0.09
		-0.09	-1.32e-04	-1.72e-06	0.0	55.4	-0.20	-1.58	-6.83e-04	-5.49e-04	-1.32e-04	0.0
157	280	0.44	-1.43e-04	-1.78e-05	-8.15	0.0	-0.46	4.54	-5.96e-04	-6.97e-04	-1.43e-04	-0.26
		-0.26	-3.46e-04	-5.58e-06	0.0	55.4	-0.46	-3.61	-5.96e-04	-6.97e-04	-3.46e-04	0.0
157	298	0.37	-6.79e-05	-1.46e-05	-6.76	0.0	-0.36	3.76	-5.62e-04	-6.33e-04	-6.79e-05	-0.21
		-0.21	-2.70e-04	-4.21e-06	0.0	55.4	-0.36	-3.00	-5.62e-04	-6.33e-04	-2.70e-04	0.0
157	302	0.19	-5.72e-05	-7.89e-06	-3.50	0.0	-0.18	1.95	-3.12e-04	-3.08e-04	-5.72e-05	-0.11
		-0.11	-1.69e-04	-2.07e-06	0.0	55.4	-0.18	-1.55	-3.12e-04	-3.08e-04	-1.69e-04	0.0
157	305	0.34	-3.58e-05	-1.34e-05	-6.29	0.0	-0.47	3.51	-5.77e-04	-5.88e-04	-3.58e-05	-0.20
		-0.20	-2.53e-04	-4.92e-06	0.0	55.4	-0.47	-2.78	-5.77e-04	-5.88e-04	-2.53e-04	0.0
157	306	0.19	-2.35e-06	-7.96e-06	-3.50	0.0	-0.24	1.95	-4.05e-04	-3.57e-04	-2.35e-06	-0.11
		-0.11	-1.61e-04	-2.38e-06	0.0	55.4	-0.24	-1.55	-4.05e-04	-3.57e-04	-1.61e-04	0.0
157	309	0.19	-4.30e-05	-7.77e-06	-3.50	0.0	-0.24	1.96	-3.36e-04	-3.09e-04	-4.30e-05	-0.11
		-0.11	-1.68e-04	-2.55e-06	0.0	55.4	-0.24	-1.54	-3.36e-04	-3.09e-04	-1.68e-04	0.0
157	310	0.34	-6.43e-05	-1.36e-05	-6.29	0.0	-0.34	3.50	-5.29e-04	-5.87e-04	-6.43e-05	-0.20
		-0.20	-2.56e-04	-3.97e-06	0.0	55.4	-0.34	-2.79	-5.29e-04	-5.87e-04	-2.56e-04	0.0
158	19	8.98e-03	-3.35e-04	-8.35e-06	-3.19	0.0	0.50	1.65	-3.90e-03	-1.09e-04	-3.35e-04	-0.23
		-0.23	-2.47e-03	0.0	0.0	55.4	0.50	-1.54	-3.90e-03	-1.09e-04	-2.47e-03	-0.20
158	28	-0.04	-6.56e-04	-2.64e-05	-11.84	0.0	-1.13	6.36	-0.03	-1.91e-03	-6.56e-04	-0.98
		-0.98	-0.02	-5.71e-06	0.0	55.4	-1.13	-5.48	-0.03	-1.91e-03	-0.02	-0.73
158	44	-0.12	-5.61e-04	-2.13e-05	-9.74	0.0	-1.58	5.30	-0.03	-2.23e-03	-5.61e-04	-0.92
		-0.92	-0.02	-6.66e-06	0.0	55.4	-1.58	-4.44	-0.03	-2.23e-03	-0.02	-0.68
158	71	0.18	-8.44e-04	-1.98e-05	-8.07	0.0	-0.23	4.18	-0.01	-3.21e-04	-8.44e-04	-0.42
		-0.42	-8.29e-03	-1.06e-06	0.0	55.4	-0.23	-3.90	-0.01	-3.21e-04	-8.29e-03	-0.34
158	93	-0.13	-7.99e-05	-6.74e-06	-3.19	0.0	-0.13	1.76	-0.01	-8.01e-04	-7.99e-05	-0.39
		-0.39	-6.28e-03	-1.58e-06	0.0	55.4	-0.13	-1.43	-0.01	-8.01e-04	-6.28e-03	-0.30
158	114	0.45	0.02	-1.75e-05	-6.29	0.0	-1.73	2.88	0.03	-8.59e-03	-6.30e-04	0.09
		-0.06	-6.30e-04	1.89e-05	0.0	55.4	-1.73	-3.41	0.03	-8.59e-03	0.02	-0.06
158	115	-0.43	-1.43e-04	-1.13e-05	-6.29	0.0	1.32	3.81	-0.06	7.18e-03	-1.43e-04	-1.07
		-1.07	-0.04	-2.25e-05	0.0	55.4	1.32	-2.48	-0.06	7.18e-03	-0.04	-0.70
158	125	1.30	0.04	-2.51e-05	-6.29	0.0	-1.37	2.19	0.07	-5.47e-04	2.10e-04	1.08
		0.56	2.10e-04	-5.61e-06	0.0	55.4	-1.37	-4.10	0.07	-5.47e-04	0.04	0.56
158	128	-1.18	-9.83e-04	-5.57e-06	-6.29	0.0	0.96	4.50	-0.10	-8.63e-04	-9.83e-04	-2.07
		-2.07	-0.06	2.01e-06	0.0	55.4	0.96	-1.79	-0.10	-8.63e-04	-0.06	-1.32
158	141	1.51	0.03	-2.83e-05	-6.29	0.0	-0.34	2.10	0.04	-8.61e-03	4.34e-03	1.32
		0.74	4.34e-03	-2.21e-05	0.0	55.4	-0.34	-4.19	0.04	-8.61e-03	0.03	0.74
158	144	-1.37	-5.12e-03	7.66e-06	-6.29	0.0	-0.07	4.59	-0.07	7.20e-03	-5.12e-03	-2.30
		-2.30	-0.04	1.85e-05	0.0	55.4	-0.07	-1.70	-0.07	7.20e-03	-0.04	-1.50
158	146	0.51	0.02	-1.79e-05	-6.29	0.0	-1.91	2.82	0.04	-9.51e-03	-6.68e-04	0.16
		-0.02	-6.68e-04	2.10e-05	0.0	55.4	-1.91	-3.47	0.04	-9.51e-03	0.02	-0.02
158	147	-0.48	-1.04e-04	-1.10e-05	-6.29	0.0	1.50	3.87	-0.07	8.10e-03	-1.04e-04	-1.14
		-1.14	-0.04	-2.46e-05	0.0	55.4	1.50	-2.42	-0.07	8.10e-03	-0.04	-0.74
158	157	1.47	0.05	-2.66e-05	-6.29	0.0	-1.51	2.05	0.08	-5.42e-04	2.96e-04	1.28
		0.68	2.96e-04	-6.14e-06	0.0	55.4	-1.51	-4.24	0.08	-5.42e-04	0.05	0.68
158	160	-1.32	-1.07e-03	5.68e-06	-6.29	0.0	1.10	4.64	-0.11	-8.68e-04	-1.07e-03	-2.27
		-2.27	-0.06	2.54e-06	0.0	55.4	1.10	-1.65	-0.11	-8.68e-04	-0.06	-1.44
158	173	1.72	0.03	-3.02e-05	-6.29	0.0	-0.36	1.94	0.05	-9.63e-03	4.97e-03	1.55
		0.88	4.97e-03	-2.48e-05	0.0	55.4	-0.36	-4.35	0.05	-9.63e-03	0.03	0.88
158	176	-1.54	-5.74e-03	9.92e-06	-6.29	0.0	-0.05	4.75	-0.08	8.22e-03	-5.74e-03	-2.53
		-2.53	-0.05	2.12e-05	0.0	55.4	-0.05	-1.54	-0.08	8.22e-03	-0.05	-1.64
158	178	0.49	0.02	-1.78e-05	-6.29	0.0	-1.85	2.84	0.04	-9.02e-03	-7.16e-04	0.14
		-0.03	-7.16e-04	1.86e-05	0.0	55.4	-1.85	-3.46	0.04	-9.02e-03	0.02	-0.03
158	179	-0.47	-5.71e-05	-1.11e-05	-6.29	0.0	1.43	3.86	-0.07	7.61e-03	-5.71e-05	-1.12

		-1.12	-0.04	-2.22e-05	0.0	55.4	1.43	-2.43	-0.07	7.61e-03	-0.04	-0.73
158	189	1.46	0.04	-2.66e-05	-6.29	0.0	-1.45	2.05	0.08	-6.28e-04	3.60e-04	1.28
		0.67	3.60e-04	-6.51e-06	0.0	55.4	-1.45	-4.24	0.08	-6.28e-04	0.04	0.67
158	192	-1.32	-1.13e-03	5.65e-06	-6.29	0.0	1.04	4.64	-0.11	-7.82e-04	-1.13e-03	-2.26
		-2.26	-0.06	2.91e-06	0.0	55.4	1.04	-1.65	-0.11	-7.82e-04	-0.06	-1.44
158	205	1.75	0.03	-3.06e-05	-6.29	0.0	-0.35	1.91	0.05	-9.64e-04	5.13e-03	1.59
		0.91	5.13e-03	-2.58e-05	0.0	55.4	-0.35	-4.38	0.05	-9.64e-04	0.03	0.91
158	208	-1.57	-5.90e-03	1.03e-05	-6.29	0.0	-0.06	4.78	-0.08	8.23e-03	-5.90e-03	-2.58
		-2.58	-0.05	2.22e-05	0.0	55.4	-0.06	-1.51	-0.08	8.23e-03	-0.05	-1.67
158	210	0.57	0.03	-1.84e-05	-6.29	0.0	-2.12	2.75	0.05	-0.01	-8.05e-04	0.24
		0.02	-8.05e-04	2.08e-05	0.0	55.4	-2.12	-3.54	0.05	-0.01	0.03	0.02
158	211	-0.54	3.20e-05	-1.06e-05	-6.29	0.0	1.70	3.94	-0.08	8.80e-03	3.20e-05	-1.22
		-1.22	-0.04	-2.44e-05	0.0	55.4	1.70	-2.35	-0.08	8.80e-03	-0.04	-0.78
158	221	1.73	0.05	-2.89e-05	-6.29	0.0	-1.65	1.83	0.09	-6.80e-04	5.30e-04	1.58
		0.86	5.30e-04	-7.52e-06	0.0	55.4	-1.65	-4.46	0.09	-6.80e-04	0.05	0.86
158	224	-1.53	-1.30e-03	8.29e-06	-6.29	0.0	1.23	4.86	-0.12	-7.29e-04	-1.30e-03	-2.57
		-2.57	-0.07	3.93e-06	0.0	55.4	1.23	-1.43	-0.12	-7.29e-04	-0.07	-1.62
158	237	2.10	0.04	-3.40e-05	-6.29	0.0	-0.37	1.64	0.06	-0.01	6.18e-03	1.98
		1.15	6.18e-03	-3.06e-05	0.0	55.4	-0.37	-4.65	0.06	-0.01	0.04	1.15
158	240	-1.84	-6.95e-03	1.41e-05	-6.29	0.0	-0.05	5.05	-0.09	9.86e-03	-6.95e-03	-2.96
		-2.96	-0.06	2.70e-05	0.0	55.4	-0.05	-1.24	-0.09	9.86e-03	-0.06	-1.91
158	248	-9.86e-03	-3.40e-04	-8.82e-06	-3.50	0.0	0.28	1.84	-6.40e-03	-2.97e-04	-3.40e-04	-0.28
		-0.28	-3.83e-03	0.0	0.0	55.4	0.28	-1.66	-6.40e-03	-2.97e-04	-3.83e-03	-0.23
158	256	-0.03	-4.66e-04	-1.82e-05	-8.15	0.0	-0.76	4.38	-0.02	-1.33e-03	-4.66e-04	-0.68
		-0.68	-0.01	-3.89e-06	0.0	55.4	-0.76	-3.77	-0.02	-1.33e-03	-0.01	-0.51
158	264	-0.09	-4.02e-04	-1.48e-05	-6.76	0.0	-1.06	3.67	-0.02	-1.55e-03	-4.02e-04	-0.64
		-0.64	-0.01	-4.53e-06	0.0	55.4	-1.06	-3.08	-0.02	-1.55e-03	-0.01	-0.48
158	275	0.10	-6.79e-04	-1.64e-05	-6.76	0.0	-0.21	3.52	-0.01	-4.38e-04	-6.79e-04	-0.40
		-0.40	-7.71e-03	-1.12e-06	0.0	55.4	-0.21	-3.24	-0.01	-4.38e-04	-7.71e-03	-0.32
158	285	-0.10	-1.69e-04	-7.74e-06	-3.50	0.0	-0.14	1.91	-0.01	-7.58e-04	-1.69e-04	-0.39
		-0.39	-6.37e-03	-1.46e-06	0.0	55.4	-0.14	-1.59	-0.01	-7.58e-04	-6.37e-03	-0.30
158	298	8.32e-03	-3.99e-04	-1.54e-05	-6.76	0.0	-0.22	3.59	-0.02	-7.19e-04	-3.99e-04	-0.52
		-0.52	-9.04e-03	-1.92e-06	0.0	55.4	-0.22	-3.16	-0.02	-7.19e-04	-9.04e-03	-0.40
158	302	-0.04	-3.15e-04	-8.38e-06	-3.50	0.0	-0.05	1.87	-9.20e-03	-5.54e-04	-3.15e-04	-0.32
		-0.32	-5.33e-03	0.0	0.0	55.4	-0.05	-1.63	-9.20e-03	-5.54e-04	-5.33e-03	-0.25
158	305	-0.02	-3.74e-04	-1.42e-05	-6.29	0.0	-0.37	3.36	-0.02	-8.33e-04	-3.74e-04	-0.51
		-0.51	-9.31e-03	-2.30e-06	0.0	55.4	-0.37	-2.93	-0.02	-8.33e-04	-9.31e-03	-0.39
158	307	0.02	-4.42e-04	-1.46e-05	-6.29	0.0	-0.20	3.33	-0.01	-6.49e-04	-4.42e-04	-0.47
		-0.47	-8.30e-03	-1.64e-06	0.0	55.4	-0.20	-2.96	-0.01	-6.49e-04	-8.30e-03	-0.37
158	308	-0.06	-2.81e-04	-8.18e-06	-3.50	0.0	-0.14	1.88	-0.01	-6.46e-04	-2.81e-04	-0.34
		-0.34	-5.83e-03	-1.14e-06	0.0	55.4	-0.14	-1.62	-0.01	-6.46e-04	-5.83e-03	-0.27
158	309	-0.05	-3.09e-04	-8.28e-06	-3.50	0.0	-0.14	1.87	-9.90e-03	-6.18e-04	-3.09e-04	-0.33
		-0.33	-5.70e-03	-1.06e-06	0.0	55.4	-0.14	-1.63	-9.90e-03	-6.18e-04	-5.70e-03	-0.26
158	310	-3.37e-04	-3.86e-04	-1.44e-05	-6.29	0.0	-0.21	3.35	-0.01	-7.05e-04	-3.86e-04	-0.49
		-0.49	-8.57e-03	-1.80e-06	0.0	55.4	-0.21	-2.94	-0.01	-7.05e-04	-8.57e-03	-0.38
159	19	0.05	-2.18e-03	-7.53e-06	-3.19	0.0	0.55	1.69	5.13e-04	-6.51e-05	-2.46e-03	-0.20
		-0.20	-2.46e-03	0.0	0.0	55.4	0.55	-1.49	5.13e-04	-6.51e-05	-2.18e-03	-0.14
159	28	0.20	-0.01	-2.45e-05	-11.84	0.0	-1.12	6.34	0.01	-1.40e-03	-0.02	-0.73
		-0.73	-0.02	-7.91e-06	0.0	55.4	-1.12	-5.49	0.01	-1.40e-03	-0.01	-0.50
159	44	0.11	-0.01	-1.98e-05	-9.74	0.0	-1.60	5.29	0.01	-1.57e-03	-0.02	-0.68
		-0.68	-0.02	-8.88e-06	0.0	55.4	-1.60	-4.46	0.01	-1.57e-03	-0.01	-0.45
159	51	0.32	-0.01	-2.52e-05	-11.84	0.0	-0.31	6.22	4.96e-03	-9.46e-04	-0.01	-0.59
		-0.59	-0.01	-4.15e-06	0.0	55.4	-0.31	-5.61	4.96e-03	-9.46e-04	-0.01	-0.42
159	117	0.77	0.03	-1.84e-05	-6.29	0.0	-1.53	2.64	-0.06	-0.02	0.03	0.47
		0.18	4.97e-04	-1.31e-05	0.0	55.4	-1.53	-3.66	-0.06	-0.02	4.97e-04	0.18
159	120	-0.49	-0.01	-8.60e-06	-6.29	0.0	1.17	4.08	0.07	0.02	-0.05	-1.23
		-1.23	-0.05	7.53e-06	0.0	55.4	1.17	-2.21	0.07	0.02	-0.01	-0.71
159	125	0.84	0.04	-1.95e-05	-6.29	0.0	-1.37	2.56	-0.06	-4.74e-03	0.04	0.56
		0.23	3.08e-03	-2.57e-06	0.0	55.4	-1.37	-3.73	-0.06	-4.74e-03	3.08e-03	0.23
159	128	-0.56	-0.01	-7.74e-06	-6.29	0.0	1.01	4.16	0.07	3.69e-03	-0.06	-1.32
		-1.32	-0.06	-2.97e-06	0.0	55.4	1.01	-2.13	0.07	3.69e-03	-0.01	-0.76
159	141	1.00	0.03	-2.11e-05	-6.29	0.0	-0.82	2.46	-0.07	-0.01	0.03	0.74
		0.36	-0.02	-1.98e-05	0.0	55.4	-0.82	-3.83	-0.07	-0.01	-0.02	0.36
159	144	-0.70	4.12e-03	-6.58e-06	-6.29	0.0	0.46	4.26	0.08	0.01	-0.05	-1.50
		-1.50	-0.05	1.42e-05	0.0	55.4	0.46	-2.03	0.08	0.01	4.12e-03	-0.88
159	149	0.86	0.04	-1.91e-05	-6.29	0.0	-1.69	2.54	-0.07	-0.02	0.04	0.57
		0.24	1.18e-03	-1.49e-05	0.0	55.4	-1.69	-3.75	-0.07	-0.02	1.18e-03	0.24
159	152	-0.57	-0.01	-8.05e-06	-6.29	0.0	1.34	4.17	0.08	0.02	-0.05	-1.33
		-1.33	-0.05	9.39e-06	0.0	55.4	1.34	-2.12	0.08	0.02	-0.01	-0.77
159	157	0.94	0.05	-2.04e-05	-6.29	0.0	-1.51	2.46	-0.07	-5.27e-03	0.05	0.68
		0.29	4.12e-03	-2.62e-06	0.0	55.4	-1.51	-3.83	-0.07	-5.27e-03	4.12e-03	0.29
159	160	-0.64	-0.02	-7.10e-06	-6.29	0.0	1.16	4.26	0.08	4.22e-03	-0.06	-1.44
		-1.44	-0.06	-2.92e-06	0.0	55.4	1.16	-2.03	0.08	4.22e-03	-0.02	-0.82
159	173	1.12	0.03	-2.23e-05	-6.29	0.0	-0.90	2.34	-0.08	-0.01	0.03	0.88
		0.44	-0.02	-2.21e-05	0.0	55.4	-0.90	-3.95	-0.08	-0.01	-0.02	0.44

159	176	-0.80	5.41e-03	-5.84e-06	-6.29	0.0	0.54	4.37	0.09	0.01	-0.05	-1.64
		-1.64	-0.05	1.65e-05	0.0	55.4	0.54	-1.92	0.09	0.01	5.41e-03	-0.96
159	181	0.87	0.04	-1.92e-05	-6.29	0.0	-1.64	2.54	-0.07	-0.02	0.04	0.58
		0.25	7.03e-04	-1.82e-05	0.0	55.4	-1.64	-3.76	-0.07	-0.02	7.03e-04	0.25
159	184	-0.58	-0.01	-7.96e-06	-6.29	0.0	1.29	4.18	0.08	0.02	-0.05	-1.35
		-1.35	-0.05	1.26e-05	0.0	55.4	1.29	-2.11	0.08	0.02	-0.01	-0.77
159	189	0.94	0.04	-2.03e-05	-6.29	0.0	-1.47	2.46	-0.07	-5.21e-03	0.04	0.67
		0.29	3.68e-03	-3.13e-06	0.0	55.4	-1.47	-3.83	-0.07	-5.21e-03	3.68e-03	0.29
159	192	-0.64	-0.01	-7.10e-06	-6.29	0.0	1.11	4.26	0.08	4.15e-03	-0.06	-1.44
		-1.44	-0.06	-2.41e-06	0.0	55.4	1.11	-2.04	0.08	4.15e-03	-0.01	-0.82
159	205	1.15	0.03	-2.25e-05	-6.29	0.0	-0.89	2.32	-0.08	-0.01	0.03	0.91
		0.45	-0.02	-2.31e-05	0.0	55.4	-0.89	-3.97	-0.08	-0.01	-0.02	0.45
159	208	-0.82	5.80e-03	-5.70e-06	-6.29	0.0	0.54	4.40	0.09	0.01	-0.05	-1.67
		-1.67	-0.05	1.75e-05	0.0	55.4	0.54	-1.90	0.09	0.01	5.80e-03	-0.98
159	213	1.01	0.04	-2.04e-05	-6.29	0.0	-1.89	2.39	-0.08	-0.03	0.04	0.76
		0.34	1.59e-03	-2.30e-05	0.0	55.4	-1.89	-3.90	-0.08	-0.03	1.59e-03	0.34
159	216	-0.70	-0.01	-7.04e-06	-6.29	0.0	1.54	4.33	0.09	0.02	-0.06	-1.52
		-1.52	-0.06	1.75e-05	0.0	55.4	1.54	-1.96	0.09	0.02	-0.01	-0.87
159	221	1.09	0.05	-2.17e-05	-6.29	0.0	-1.68	2.31	-0.08	-6.03e-03	0.05	0.86
		0.39	5.05e-03	-3.50e-06	0.0	55.4	-1.68	-3.99	-0.08	-6.03e-03	5.05e-03	0.39
159	224	-0.76	-0.02	-6.20e-06	-6.29	0.0	1.32	4.41	0.10	4.98e-03	-0.07	-1.62
		-1.62	-0.07	-2.04e-06	0.0	55.4	1.32	-1.88	0.10	4.98e-03	-0.02	-0.92
159	237	1.35	0.04	-2.43e-05	-6.29	0.0	-1.01	2.13	-0.10	-0.01	0.04	1.15
		0.59	-0.02	-2.72e-05	0.0	55.4	-1.01	-4.16	-0.10	-0.01	-0.02	0.59
159	240	-0.98	8.05e-03	6.89e-06	-6.29	0.0	0.66	4.59	0.11	0.01	-0.06	-1.91
		-1.91	-0.06	2.16e-05	0.0	55.4	0.66	-1.70	0.11	0.01	8.05e-03	-1.11
159	248	0.05	-2.84e-03	-8.02e-06	-3.50	0.0	0.32	1.87	1.73e-03	-1.91e-04	-3.82e-03	-0.23
		-0.23	-3.82e-03	0.0	0.0	55.4	0.32	-1.63	1.73e-03	-1.91e-04	-2.84e-03	-0.16
159	256	0.13	-8.20e-03	-1.69e-05	-8.15	0.0	-0.75	4.37	9.08e-03	-9.76e-04	-0.01	-0.51
		-0.51	-0.01	-5.41e-06	0.0	55.4	-0.75	-3.78	9.08e-03	-9.76e-04	-8.20e-03	-0.35
159	264	0.07	-7.84e-03	-1.38e-05	-6.76	0.0	-1.07	3.67	9.82e-03	-1.09e-03	-0.01	-0.48
		-0.48	-0.01	-6.06e-06	0.0	55.4	-1.07	-3.09	9.82e-03	-1.09e-03	-7.84e-03	-0.32
159	267	0.21	-7.57e-03	-1.74e-05	-8.15	0.0	-0.22	4.29	3.62e-03	-6.73e-04	-9.63e-03	-0.41
		-0.41	-9.63e-03	-2.90e-06	0.0	55.4	-0.22	-3.86	3.62e-03	-6.73e-04	-7.57e-03	-0.29
159	298	0.13	-5.92e-03	-1.41e-05	-6.76	0.0	-0.19	3.60	5.51e-03	-5.47e-04	-9.00e-03	-0.40
		-0.40	-9.00e-03	-2.95e-06	0.0	55.4	-0.19	-3.16	5.51e-03	-5.47e-04	-5.92e-03	-0.28
159	302	0.03	-3.47e-03	-7.72e-06	-3.50	0.0	-0.03	1.90	3.27e-03	-3.63e-04	-5.30e-03	-0.25
		-0.25	-5.30e-03	-1.42e-06	0.0	55.4	-0.03	-1.60	3.27e-03	-3.63e-04	-3.47e-03	-0.17
159	305	0.10	-5.90e-03	-1.31e-05	-6.29	0.0	-0.35	3.37	6.02e-03	-6.13e-04	-9.27e-03	-0.39
		-0.39	-9.27e-03	-3.36e-06	0.0	55.4	-0.35	-2.92	6.02e-03	-6.13e-04	-5.90e-03	-0.27
159	309	0.02	-3.62e-03	-7.64e-06	-3.50	0.0	-0.12	1.90	3.66e-03	-4.06e-04	-5.67e-03	-0.26
		-0.26	-5.67e-03	-1.71e-06	0.0	55.4	-0.12	-1.60	3.66e-03	-4.06e-04	-3.62e-03	-0.18
159	310	0.11	-5.59e-03	-1.32e-05	-6.29	0.0	-0.18	3.36	5.25e-03	-5.27e-04	-8.53e-03	-0.38
		-0.38	-8.53e-03	-2.77e-06	0.0	55.4	-0.18	-2.93	5.25e-03	-5.27e-04	-5.59e-03	-0.26
160	19	0.13	-2.88e-06	-6.61e-06	-3.19	0.0	0.13	1.78	3.96e-03	4.81e-05	-2.18e-03	-0.14
		-0.14	-2.18e-03	0.0	0.0	55.4	0.13	-1.41	3.96e-03	4.81e-05	-2.88e-06	-0.04
160	28	0.49	-5.65e-04	-2.22e-05	-11.84	0.0	-1.11	6.50	0.02	-7.62e-04	-0.01	-0.50
		-0.50	-0.01	-9.23e-06	0.0	55.4	-1.11	-5.34	0.02	-7.62e-04	-5.65e-04	-0.18
160	44	0.38	-4.98e-04	-1.80e-05	-9.74	0.0	-1.27	5.41	0.02	-8.83e-04	-0.01	-0.45
		-0.45	-0.01	-1.01e-05	0.0	55.4	-1.27	-4.33	0.02	-8.83e-04	-4.98e-04	-0.16
160	51	0.54	-2.58e-04	-2.28e-05	-11.84	0.0	-0.68	6.40	0.02	-6.12e-04	-0.01	-0.42
		-0.42	-0.01	-5.37e-06	0.0	55.4	-0.68	-5.44	0.02	-6.12e-04	-2.58e-04	-0.15
160	70	0.16	3.47e-04	-7.44e-06	-3.19	0.0	-0.23	1.76	0.01	-5.88e-04	-5.54e-03	-0.11
		-0.11	-5.54e-03	-1.01e-06	0.0	55.4	-0.23	-1.43	0.01	-5.88e-04	3.47e-04	-0.02
160	114	0.36	0.01	-1.49e-05	-6.29	0.0	-6.77	3.27	-0.02	-0.01	0.01	-0.11
		-0.11	-2.17e-03	8.94e-06	0.0	55.4	-6.77	-3.02	-0.02	-0.01	-2.17e-03	-0.04
160	115	0.17	1.71e-03	-9.28e-06	-6.29	0.0	6.01	3.65	0.04	9.57e-03	-0.02	-0.41
		-0.41	-0.02	-1.57e-05	0.0	55.4	6.01	-2.65	0.04	9.57e-03	1.71e-03	-0.14
160	134	0.02	0.01	-9.75e-06	-6.29	0.0	-3.50	3.83	-0.03	0.02	0.01	-0.63
		-0.63	-2.27e-03	6.98e-05	0.0	55.4	-3.50	-2.46	-0.03	0.02	-2.27e-03	-0.25
160	135	0.52	1.81e-03	-1.43e-05	-6.29	0.0	2.75	3.08	0.04	-0.02	-0.02	0.10
		0.07	-0.02	-7.66e-05	0.0	55.4	2.75	-3.21	0.04	-0.02	1.81e-03	0.07
160	141	0.70	1.47e-03	-1.68e-05	-6.29	0.0	-1.34	2.80	0.03	-9.35e-03	-0.01	0.36
		0.17	-0.01	-2.16e-05	0.0	55.4	-1.34	-3.49	0.03	-9.35e-03	1.47e-03	0.17
160	144	-0.14	2.84e-03	-7.63e-06	-6.29	0.0	0.59	4.11	-7.91e-03	8.86e-03	2.84e-03	-0.88
		-0.88	-1.94e-03	1.48e-05	0.0	55.4	0.59	-2.18	-7.91e-03	8.86e-03	-1.94e-03	-0.35
160	146	0.37	0.01	-1.53e-05	-6.29	0.0	-7.54	3.24	-0.03	-0.01	0.01	-0.09
		-0.09	-2.41e-03	1.02e-05	0.0	55.4	-7.54	-3.05	-0.03	-0.01	-2.41e-03	-0.04
160	147	0.16	1.95e-03	-8.98e-06	-6.29	0.0	6.79	3.67	0.05	0.01	-0.02	-0.43
		-0.43	-0.02	-1.70e-05	0.0	55.4	6.79	-2.62	0.05	0.01	1.95e-03	-0.14
160	166	-0.01	0.01	-9.46e-06	-6.29	0.0	-3.89	3.88	-0.03	0.02	0.01	-0.68
		-0.68	-2.52e-03	7.95e-05	0.0	55.4	-3.89	-2.41	-0.03	0.02	-2.52e-03	-0.27
160	167	0.56	2.06e-03	-1.46e-05	-6.29	0.0	3.14	3.03	0.05	-0.02	-0.03	0.15
		0.09	-0.03	-8.63e-05	0.0	55.4	3.14	-3.26	0.05	-0.02	2.06e-03	0.09
160	173	0.76	1.69e-03	-1.75e-05	-6.29	0.0	-1.47	2.72	0.03	-0.01	-0.02	0.44

		0.20	-0.02	-2.41e-05	0.0	55.4	-1.47	-3.58	0.03	-0.01	1.69e-03	0.20
160	176	-0.19	3.96e-03	-7.13e-06	-6.29	0.0	0.71	4.20	-0.01	0.01	3.96e-03	-0.96
		-0.96	-2.15e-03	1.73e-05	0.0	55.4	0.71	-2.09	-0.01	0.01	-2.15e-03	-0.38
160	178	0.37	0.01	-1.52e-05	-6.29	0.0	-7.36	3.25	-0.03	-0.01	0.01	-0.10
		-0.10	-2.36e-03	8.59e-06	0.0	55.4	-7.36	-3.04	-0.03	-0.01	-2.36e-03	-0.04
160	179	0.16	1.90e-03	-9.05e-06	-6.29	0.0	6.61	3.66	0.04	0.01	-0.02	-0.43
		-0.43	-0.02	-1.54e-05	0.0	55.4	6.61	-2.63	0.04	0.01	1.90e-03	-0.14
160	198	-0.03	0.02	-9.29e-06	-6.29	0.0	-3.82	3.91	-0.03	0.02	0.02	-0.70
		-0.70	-2.46e-03	8.29e-05	0.0	55.4	-3.82	-2.39	-0.03	0.02	-2.46e-03	-0.28
160	199	0.57	2.00e-03	-1.48e-05	-6.29	0.0	3.07	3.01	0.05	-0.02	-0.03	0.17
		0.10	-0.03	-8.96e-05	0.0	55.4	3.07	-3.28	0.05	-0.02	2.00e-03	0.10
160	205	0.77	1.70e-03	-1.77e-05	-6.29	0.0	-1.46	2.70	0.03	-0.01	-0.02	0.45
		0.20	-0.02	-2.51e-05	0.0	55.4	-1.46	-3.59	0.03	-0.01	1.70e-03	0.20
160	208	-0.20	4.30e-03	-7.04e-06	-6.29	0.0	0.71	4.21	-0.01	0.01	4.30e-03	-0.98
		-0.98	-2.16e-03	1.83e-05	0.0	55.4	0.71	-2.08	-0.01	0.01	-2.16e-03	-0.39
160	210	0.38	0.02	-1.57e-05	-6.29	0.0	-8.51	3.22	-0.03	-0.01	0.02	-0.07
		-0.07	-2.72e-03	9.65e-06	0.0	55.4	-8.51	-3.07	-0.03	-0.01	-2.72e-03	-0.03
160	211	0.15	2.26e-03	-8.62e-06	-6.29	0.0	7.76	3.70	0.05	0.01	-0.03	-0.45
		-0.45	-0.03	-1.64e-05	0.0	55.4	7.76	-2.60	0.05	0.01	2.26e-03	-0.15
160	230	-0.09	0.02	-8.73e-06	-6.29	0.0	-4.39	4.00	-0.04	0.03	0.02	-0.80
		-0.80	-2.88e-03	1.01e-04	0.0	55.4	-4.39	-2.29	-0.04	0.03	-2.88e-03	-0.32
160	231	0.64	2.42e-03	-1.55e-05	-6.29	0.0	3.64	2.91	0.06	-0.03	-0.03	0.27
		0.14	-0.03	-1.07e-04	0.0	55.4	3.64	-3.38	0.06	-0.03	2.42e-03	0.14
160	237	0.87	2.06e-03	-1.88e-05	-6.29	0.0	-1.63	2.56	0.03	-0.01	-0.02	0.59
		0.26	-0.02	-2.95e-05	0.0	55.4	-1.63	-3.73	0.03	-0.01	2.06e-03	0.26
160	240	-0.28	6.26e-03	-6.25e-06	-6.29	0.0	0.88	4.35	-0.02	0.01	6.26e-03	-1.11
		-1.11	-2.52e-03	2.27e-05	0.0	55.4	0.88	-1.94	-0.02	0.01	-2.52e-03	-0.44
160	248	0.14	-3.83e-05	-7.07e-06	-3.50	0.0	-6.44e-03	1.95	5.10e-03	-2.92e-05	-2.85e-03	-0.16
		-0.16	-2.85e-03	0.0	0.0	55.4	-6.44e-03	-1.54	5.10e-03	-2.92e-05	-3.83e-05	-0.05
160	256	0.33	-3.77e-04	-1.53e-05	-8.15	0.0	-0.75	4.48	0.01	-5.28e-04	-8.19e-03	-0.35
		-0.35	-8.19e-03	-6.33e-06	0.0	55.4	-0.75	-3.67	0.01	-5.28e-04	-3.77e-04	-0.12
160	264	0.26	-3.32e-04	-1.25e-05	-6.76	0.0	-0.86	3.76	0.01	-6.09e-04	-7.83e-03	-0.32
		-0.32	-7.83e-03	-6.93e-06	0.0	55.4	-0.86	-3.00	0.01	-6.09e-04	-3.32e-04	-0.11
160	267	0.37	-1.72e-04	-1.57e-05	-8.15	0.0	-0.47	4.42	0.01	-4.28e-04	-7.56e-03	-0.29
		-0.29	-7.56e-03	-3.75e-06	0.0	55.4	-0.47	-3.73	0.01	-4.28e-04	-1.72e-04	-0.10
160	274	0.16	1.95e-04	-7.62e-06	-3.50	0.0	-0.25	1.95	9.52e-03	-4.53e-04	-5.09e-03	-0.14
		-0.14	-5.09e-03	-1.49e-06	0.0	55.4	-0.25	-1.55	9.52e-03	-4.53e-04	1.95e-04	-0.03
160	298	0.28	-2.57e-04	-1.28e-05	-6.76	0.0	-0.40	3.70	0.01	-2.60e-04	-5.91e-03	-0.28
		-0.28	-5.91e-03	-3.61e-06	0.0	55.4	-0.40	-3.05	0.01	-2.60e-04	-2.57e-04	-0.10
160	302	0.13	-7.02e-05	-6.84e-06	-3.50	0.0	-0.19	1.97	6.14e-03	-1.46e-04	-3.46e-03	-0.17
		-0.17	-3.46e-03	-1.80e-06	0.0	55.4	-0.19	-1.53	6.14e-03	-1.46e-04	-7.02e-05	-0.05
160	305	0.26	-2.47e-04	-1.18e-05	-6.29	0.0	-0.47	3.46	0.01	-3.06e-04	-5.89e-03	-0.27
		-0.27	-5.89e-03	-4.02e-06	0.0	55.4	-0.47	-2.83	0.01	-3.06e-04	-2.47e-04	-0.09
160	306	0.14	-2.45e-05	-6.88e-06	-3.50	0.0	-0.23	1.97	6.89e-03	-2.19e-04	-3.84e-03	-0.17
		-0.17	-3.84e-03	-1.95e-06	0.0	55.4	-0.23	-1.53	6.89e-03	-2.19e-04	-2.45e-05	-0.05
160	309	0.13	-7.82e-05	-6.78e-06	-3.50	0.0	-0.23	1.97	6.40e-03	-1.75e-04	-3.62e-03	-0.18
		-0.18	-3.62e-03	-2.11e-06	0.0	55.4	-0.23	-1.53	6.40e-03	-1.75e-04	-7.82e-05	-0.05
160	310	0.26	-2.31e-04	-1.19e-05	-6.29	0.0	-0.38	3.46	9.68e-03	-2.48e-04	-5.59e-03	-0.26
		-0.26	-5.59e-03	-3.40e-06	0.0	55.4	-0.38	-2.83	9.68e-03	-2.48e-04	-2.31e-04	-0.09
161	19	0.20	-1.06e-05	-4.07e-06	-3.19	0.0	0.21	1.67	1.31e-05	1.06e-04	-1.06e-05	-0.04
		-0.04	-1.45e-05	0.0	0.0	55.4	0.21	-1.52	1.31e-05	1.06e-04	-1.45e-05	0.0
161	27	0.73	-2.07e-04	-1.59e-05	-11.84	0.0	-0.73	6.24	5.28e-04	-4.87e-04	-5.57e-04	-0.18
		-0.18	-5.57e-04	-8.95e-06	0.0	55.4	-0.73	-5.60	5.28e-04	-4.87e-04	-2.07e-04	0.0
161	44	0.60	-2.18e-04	-1.24e-05	-9.74	0.0	-0.92	5.15	3.28e-04	-6.56e-04	-4.74e-04	-0.16
		-0.16	-4.74e-04	-1.02e-05	0.0	55.4	-0.92	-4.59	3.28e-04	-6.56e-04	-2.18e-04	0.0
161	52	0.75	-1.73e-05	-1.67e-05	-11.84	0.0	-0.36	6.19	3.62e-04	-3.94e-04	-2.41e-04	-0.15
		-0.15	-2.41e-04	-5.66e-06	0.0	55.4	-0.36	-5.65	3.62e-04	-3.94e-04	-1.73e-05	0.0
161	70	0.21	3.58e-04	-4.26e-06	-3.19	0.0	-0.11	1.63	-2.96e-04	-2.99e-04	3.58e-04	-0.02
		-0.02	1.90e-04	0.0	0.0	55.4	-0.11	-1.56	-2.96e-04	-2.99e-04	1.90e-04	0.0
161	75	0.73	-2.36e-04	-1.62e-05	-11.84	0.0	-0.35	6.24	6.27e-04	-2.02e-04	-6.19e-04	-0.18
		-0.18	-6.19e-04	-6.53e-06	0.0	55.4	-0.35	-5.60	6.27e-04	-2.02e-04	-2.36e-04	0.0
161	114	0.41	-2.87e-03	-9.95e-06	-6.29	0.0	-5.54	3.22	-4.08e-03	-8.10e-03	-2.87e-03	-0.04
		-0.04	-3.10e-03	5.36e-06	0.0	55.4	-5.54	-3.07	-4.08e-03	-8.10e-03	-3.10e-03	0.0
161	115	0.37	2.92e-03	-6.90e-06	-6.29	0.0	5.16	3.39	4.52e-03	7.82e-03	2.42e-03	-0.14
		-0.14	2.42e-03	-1.22e-05	0.0	55.4	5.16	-2.90	4.52e-03	7.82e-03	2.92e-03	0.0
161	130	0.32	-3.49e-03	6.66e-06	-6.29	0.0	-2.80	3.61	2.70e-03	9.99e-03	-4.88e-03	-0.25
		-0.25	-4.88e-03	6.38e-05	0.0	55.4	-2.80	-2.69	2.70e-03	9.99e-03	-3.49e-03	0.0
161	131	0.47	4.42e-03	-1.08e-05	-6.29	0.0	2.42	3.01	-2.26e-03	-0.01	4.42e-03	0.07
		0.0	3.31e-03	-7.06e-05	0.0	55.4	2.42	-3.28	-2.26e-03	-0.01	3.31e-03	0.0
161	141	0.52	3.83e-03	-1.25e-05	-6.29	0.0	-1.01	2.85	3.38e-03	-5.00e-03	2.26e-03	0.17
		0.0	2.26e-03	-2.14e-05	0.0	55.4	-1.01	-3.44	3.38e-03	-5.00e-03	3.83e-03	0.0
161	144	0.28	-2.72e-03	9.59e-06	-6.29	0.0	0.63	3.77	-2.94e-03	4.71e-03	-2.72e-03	-0.35
		-0.35	-4.01e-03	1.46e-05	0.0	55.4	0.63	-2.52	-2.94e-03	4.71e-03	-4.01e-03	0.0
161	146	0.42	-3.21e-03	-1.01e-05	-6.29	0.0	-6.19	3.21	-4.60e-03	-9.05e-03	-3.21e-03	-0.04
		-0.04	-3.47e-03	6.21e-06	0.0	55.4	-6.19	-3.08	-4.60e-03	-9.05e-03	-3.47e-03	0.0

161	147	0.37	3.29e-03	-6.73e-06	-6.29	0.0	5.81	3.40	5.04e-03	8.77e-03	2.75e-03	-0.14
		-0.14	2.75e-03	-1.30e-05	0.0	55.4	5.81	-2.89	5.04e-03	8.77e-03	3.29e-03	0.0
161	162	0.31	-3.92e-03	7.28e-06	-6.29	0.0	-3.12	3.65	3.00e-03	0.01	-5.49e-03	-0.28
		-0.28	-5.49e-03	7.27e-05	0.0	55.4	-3.12	-2.65	3.00e-03	0.01	-3.92e-03	0.0
161	163	0.48	5.03e-03	-1.11e-05	-6.29	0.0	2.74	2.97	-2.56e-03	-0.01	5.03e-03	0.10
		0.0	3.74e-03	-7.95e-05	0.0	55.4	2.74	-3.32	-2.56e-03	-0.01	3.74e-03	0.0
161	173	0.54	4.34e-03	-1.31e-05	-6.29	0.0	-1.11	2.79	3.77e-03	-5.60e-03	2.58e-03	0.20
		0.0	2.58e-03	-2.39e-05	0.0	55.4	-1.11	-3.50	3.77e-03	-5.60e-03	4.34e-03	0.0
161	176	0.27	-3.04e-03	1.06e-05	-6.29	0.0	0.73	3.83	-3.33e-03	5.32e-03	-3.04e-03	-0.38
		-0.38	-4.52e-03	1.71e-05	0.0	55.4	0.73	-2.46	-3.33e-03	5.32e-03	-4.52e-03	0.0
161	178	0.42	-3.24e-03	-1.01e-05	-6.29	0.0	-6.03	3.22	-4.47e-03	-8.73e-03	-3.24e-03	-0.04
		-0.04	-3.41e-03	4.89e-06	0.0	55.4	-6.03	-3.07	-4.47e-03	-8.73e-03	-3.41e-03	0.0
161	179	0.37	3.23e-03	-6.77e-06	-6.29	0.0	5.66	3.40	4.91e-03	8.44e-03	2.78e-03	-0.14
		-0.14	2.78e-03	-1.17e-05	0.0	55.4	5.66	-2.89	4.91e-03	8.44e-03	3.23e-03	0.0
161	194	0.30	-3.92e-03	7.51e-06	-6.29	0.0	-3.06	3.66	2.95e-03	0.01	-5.61e-03	-0.29
		-0.29	-5.61e-03	7.53e-05	0.0	55.4	-3.06	-2.63	2.95e-03	0.01	-3.92e-03	0.0
161	195	0.49	5.15e-03	-1.13e-05	-6.29	0.0	2.68	2.96	-2.51e-03	-0.01	5.15e-03	0.10
		0.0	3.74e-03	-8.21e-05	0.0	55.4	2.68	-3.33	-2.51e-03	-0.01	3.74e-03	0.0
161	205	0.54	4.42e-03	-1.31e-05	-6.29	0.0	-1.10	2.78	3.69e-03	-5.47e-03	2.63e-03	0.20
		0.0	2.63e-03	-2.49e-05	0.0	55.4	-1.10	-3.52	3.69e-03	-5.47e-03	4.42e-03	0.0
161	208	0.26	-3.09e-03	1.07e-05	-6.29	0.0	0.72	3.84	-3.25e-03	5.18e-03	-3.09e-03	-0.39
		-0.39	-4.60e-03	1.81e-05	0.0	55.4	0.72	-2.45	-3.25e-03	5.18e-03	-4.60e-03	0.0
161	210	0.42	-3.82e-03	-1.04e-05	-6.29	0.0	-7.00	3.20	-5.22e-03	-0.01	-3.82e-03	-0.03
		-0.03	-3.98e-03	5.44e-06	0.0	55.4	-7.00	-3.09	-5.22e-03	-0.01	-3.98e-03	0.0
161	211	0.36	3.80e-03	-6.53e-06	-6.29	0.0	6.62	3.42	5.66e-03	9.75e-03	3.37e-03	-0.15
		-0.15	3.37e-03	-1.22e-05	0.0	55.4	6.62	-2.88	5.66e-03	9.75e-03	3.80e-03	0.0
161	226	0.29	-4.65e-03	8.67e-06	-6.29	0.0	-3.54	3.73	3.49e-03	0.01	-6.69e-03	-0.33
		-0.33	-6.69e-03	9.12e-05	0.0	55.4	-3.54	-2.56	3.49e-03	0.01	-4.65e-03	0.0
161	227	0.51	6.23e-03	-1.20e-05	-6.29	0.0	3.17	2.88	-3.05e-03	-0.01	6.23e-03	0.14
		0.0	4.47e-03	-9.81e-05	0.0	55.4	3.17	-3.41	-3.05e-03	-0.01	4.47e-03	0.0
161	237	0.58	5.26e-03	-1.41e-05	-6.29	0.0	-1.25	2.68	4.28e-03	-6.38e-03	3.18e-03	0.26
		0.0	3.18e-03	-2.92e-05	0.0	55.4	-1.25	-3.62	4.28e-03	-6.38e-03	5.26e-03	0.0
161	240	0.24	-3.63e-03	1.23e-05	-6.29	0.0	0.87	3.94	-3.85e-03	6.09e-03	-3.63e-03	-0.44
		-0.44	-5.44e-03	2.24e-05	0.0	55.4	0.87	-2.35	-3.85e-03	6.09e-03	-5.44e-03	0.0
161	248	0.22	-3.06e-05	-4.41e-06	-3.50	0.0	0.10	1.83	2.94e-05	4.05e-05	-4.32e-05	-0.05
		-0.05	-4.32e-05	0.0	0.0	55.4	0.10	-1.67	2.94e-05	4.05e-05	-3.06e-05	0.0
161	255	0.50	-1.44e-04	-1.08e-05	-8.15	0.0	-0.49	4.30	3.40e-04	-3.37e-04	-3.71e-04	-0.12
		-0.12	-3.71e-04	-6.14e-06	0.0	55.4	-0.49	-3.85	3.40e-04	-3.37e-04	-1.44e-04	0.0
161	264	0.41	-1.51e-04	-8.55e-06	-6.76	0.0	-0.62	3.57	2.06e-04	-4.49e-04	-3.16e-04	-0.11
		-0.11	-3.16e-04	-6.94e-06	0.0	55.4	-0.62	-3.18	2.06e-04	-4.49e-04	-1.51e-04	0.0
161	268	0.51	-1.68e-05	-1.14e-05	-8.15	0.0	-0.25	4.26	2.29e-04	-2.75e-04	-1.61e-04	-0.10
		-0.10	-1.61e-04	-3.94e-06	0.0	55.4	-0.25	-3.89	2.29e-04	-2.75e-04	-1.68e-05	0.0
161	274	0.23	2.02e-04	-4.53e-06	-3.50	0.0	-0.12	1.81	-1.77e-04	-2.30e-04	2.02e-04	-0.03
		-0.03	1.06e-04	-1.44e-06	0.0	55.4	-0.12	-1.69	-1.77e-04	-2.30e-04	1.06e-04	0.0
161	279	0.50	-1.62e-04	-1.10e-05	-8.15	0.0	-0.24	4.30	4.05e-04	-1.47e-04	-4.13e-04	-0.12
		-0.12	-4.13e-04	-4.53e-06	0.0	55.4	-0.24	-3.86	4.05e-04	-1.47e-04	-1.62e-04	0.0
161	298	0.42	-9.58e-05	-9.04e-06	-6.76	0.0	-0.20	3.55	2.53e-04	-1.53e-04	-2.55e-04	-0.10
		-0.10	-2.55e-04	-3.62e-06	0.0	55.4	-0.20	-3.20	2.53e-04	-1.53e-04	-9.58e-05	0.0
161	302	0.22	-5.12e-05	-4.23e-06	-3.50	0.0	-0.07	1.84	1.97e-05	-6.51e-05	-7.01e-05	-0.05
		-0.05	-7.01e-05	-1.79e-06	0.0	55.4	-0.07	-1.66	1.97e-05	-6.51e-05	-5.12e-05	0.0
161	305	0.39	-1.00e-04	-8.24e-06	-6.29	0.0	-0.27	3.31	2.15e-04	-1.97e-04	-2.43e-04	-0.09
		-0.09	-2.43e-04	-4.03e-06	0.0	55.4	-0.27	-2.98	2.15e-04	-1.97e-04	-1.00e-04	0.0
161	306	0.22	-2.23e-05	-4.25e-06	-3.50	0.0	-0.11	1.84	-1.69e-05	-1.13e-04	-2.23e-05	-0.05
		-0.05	-2.32e-05	-1.93e-06	0.0	55.4	-0.11	-1.66	-1.69e-05	-1.13e-04	-2.32e-05	0.0
161	309	0.22	-5.64e-05	-4.18e-06	-3.50	0.0	-0.11	1.85	1.73e-05	-9.15e-05	-7.69e-05	-0.05
		-0.05	-7.69e-05	-2.11e-06	0.0	55.4	-0.11	-1.65	1.73e-05	-9.15e-05	-5.64e-05	0.0
161	310	0.39	-9.01e-05	-8.34e-06	-6.29	0.0	-0.19	3.31	2.19e-04	-1.44e-04	-2.29e-04	-0.09
		-0.09	-2.29e-04	-3.40e-06	0.0	55.4	-0.19	-2.98	2.19e-04	-1.44e-04	-9.01e-05	0.0
162	18	-4.55	0.07	6.85e-05	-10.23	0.0	3.17	6.31	0.09	-0.01	0.02	-5.69
		-5.69	0.02	-5.84e-06	0.0	58.1	3.17	-3.92	0.09	-0.01	0.07	-4.99
162	45	-1.88	0.02	3.70e-05	-3.35	0.0	-2.77	2.17	-0.20	-0.02	0.02	-2.29
		-2.29	-0.08	-9.53e-06	0.0	58.1	-2.77	-1.18	-0.20	-0.02	-0.08	-2.00
162	52	-5.72	0.03	8.61e-05	-12.43	0.0	2.22	7.73	-0.01	-0.02	0.03	-7.12
		-7.12	0.02	-9.23e-06	0.0	58.1	2.22	-4.69	-0.01	-0.02	0.02	-6.24
162	93	-1.49	6.95e-03	2.68e-05	-3.35	0.0	0.18	2.12	7.25e-04	-8.97e-03	5.24e-03	-1.88
		-1.88	5.24e-03	-4.31e-06	0.0	58.1	0.18	-1.23	7.25e-04	-8.97e-03	6.95e-03	-1.62
162	122	-0.49	0.03	-1.46e-05	-6.60	0.0	12.18	2.66	0.11	-0.01	-0.04	-0.80
		-1.17	-0.04	2.69e-05	0.0	58.1	12.18	-3.95	0.11	-0.01	0.03	-1.17
162	123	-5.21	0.07	1.01e-04	-6.60	0.0	-10.28	5.69	-0.12	-0.01	0.07	-6.63
		-6.63	-4.85e-03	-3.80e-05	0.0	58.1	-10.28	-0.91	-0.12	-0.01	-4.85e-03	-5.25
162	125	-2.42	0.02	1.07e-05	-6.60	0.0	14.86	0.93	0.07	-5.09e-03	-0.03	-2.46
		-3.82	-0.03	0.0	0.0	58.1	14.86	-5.68	0.07	-5.09e-03	0.02	-3.82
162	128	-2.60	0.05	8.08e-05	-6.60	0.0	-12.96	7.42	-0.08	-0.02	0.05	-4.98
		-4.98	3.11e-03	-1.19e-05	0.0	58.1	-12.96	0.81	-0.08	-0.02	3.11e-03	-2.60
162	138	1.58	0.03	-7.63e-06	-6.60	0.0	-1.45	6.49	0.08	-0.03	-0.02	-0.46

		-0.46	-0.02	6.68e-06	0.0	58.1	-1.45	-0.11	0.08	-0.03	0.03	1.58
162	139	-6.87	0.05	8.41e-05	-6.60	0.0	3.36	1.85	-0.09	1.39e-03	0.05	-6.97
		-8.00	-9.33e-04	-1.78e-05	0.0	58.1	3.36	-4.75	-0.09	1.39e-03	-9.33e-04	-8.00
162	154	-0.16	0.03	-1.97e-05	-6.60	0.0	13.57	2.48	0.13	-0.01	-0.05	-0.43
		-0.91	-0.05	3.11e-05	0.0	58.1	13.57	-4.13	0.13	-0.01	0.03	-0.91
162	155	-5.49	0.08	1.08e-04	-6.60	0.0	-11.67	5.87	-0.14	-0.01	0.08	-7.00
		-7.00	-6.91e-03	-4.22e-05	0.0	58.1	-11.67	-0.73	-0.14	-0.01	-6.91e-03	-5.51
162	157	-2.29	0.02	6.40e-06	-6.60	0.0	16.60	0.52	0.08	-4.20e-03	-0.03	-2.31
		-3.91	-0.03	1.42e-06	0.0	58.1	16.60	-6.09	0.08	-4.20e-03	0.02	-3.91
162	160	-2.51	0.06	8.51e-05	-6.60	0.0	-14.69	7.83	-0.09	-0.02	0.06	-5.13
		-5.13	2.08e-03	-1.26e-05	0.0	58.1	-14.69	1.22	-0.09	-0.02	2.08e-03	-2.51
162	170	2.20	0.03	-1.05e-05	-6.60	0.0	-1.79	6.80	0.09	-0.03	-0.03	-0.04
		-0.04	-0.03	8.24e-06	0.0	58.1	-1.79	0.20	0.09	-0.03	0.03	2.20
162	171	-7.33	0.05	8.90e-05	-6.60	0.0	3.70	1.54	-0.10	3.09e-03	0.05	-7.39
		-8.62	-2.72e-03	-1.94e-05	0.0	58.1	3.70	-5.06	-0.10	3.09e-03	-2.72e-03	-8.62
162	186	-0.15	0.03	-1.94e-05	-6.60	0.0	13.34	2.56	0.13	-0.01	-0.05	-0.43
		-0.87	-0.05	3.16e-05	0.0	58.1	13.34	-4.05	0.13	-0.01	0.03	-0.87
162	187	-5.52	0.08	1.08e-04	-6.60	0.0	-11.43	5.79	-0.14	-0.01	0.08	-7.00
		-7.00	-5.69e-03	-4.27e-05	0.0	58.1	-11.43	-0.81	-0.14	-0.01	-5.69e-03	-5.55
162	189	-2.35	0.02	7.53e-06	-6.60	0.0	16.41	0.53	0.08	-4.38e-03	-0.03	-2.37
		-3.96	-0.03	0.0	0.0	58.1	16.41	-6.07	0.08	-4.38e-03	0.02	-3.96
162	192	-2.46	0.06	8.40e-05	-6.60	0.0	-14.50	7.82	-0.09	-0.02	0.06	-5.07
		-5.07	3.43e-03	-1.18e-05	0.0	58.1	-14.50	1.21	-0.09	-0.02	3.43e-03	-2.46
162	194	2.38	0.02	-1.34e-05	-6.60	0.0	-0.08	6.77	0.10	-0.03	-0.04	0.15
		0.15	-0.04	7.28e-05	0.0	58.1	-0.08	0.16	0.10	-0.03	0.02	2.38
162	195	-7.52	0.07	9.42e-05	-6.60	0.0	1.99	1.58	-0.11	5.29e-04	0.07	-7.59
		-8.80	5.69e-03	-8.39e-05	0.0	58.1	1.99	-5.02	-0.11	5.29e-04	5.69e-03	-8.80
162	218	0.38	0.03	-2.80e-05	-6.60	0.0	15.31	2.34	0.15	-9.88e-03	-0.06	0.14
		-0.42	-0.06	3.85e-05	0.0	58.1	15.31	-4.27	0.15	-9.88e-03	0.03	-0.42
162	219	-5.98	0.09	1.18e-04	-6.60	0.0	-13.40	6.01	-0.16	-0.01	0.09	-7.57
		-7.57	-8.63e-03	-4.97e-05	0.0	58.1	-13.40	-0.59	-0.16	-0.01	-8.63e-03	-6.00
162	221	-2.17	0.02	-5.62e-06	-6.60	0.0	18.97	-0.09	0.09	-3.07e-03	-0.04	-2.17
		-4.13	-0.04	1.31e-06	0.0	58.1	18.97	-6.70	0.09	-3.07e-03	0.02	-4.13
162	224	-2.29	0.06	8.98e-05	-6.60	0.0	-17.06	8.44	-0.10	-0.02	0.06	-5.26
		-5.26	2.23e-03	-1.24e-05	0.0	58.1	-17.06	1.84	-0.10	-0.02	2.23e-03	-2.29
162	226	3.52	0.02	-2.01e-05	-6.60	0.0	-0.37	7.32	0.13	-0.03	-0.05	0.92
		0.92	-0.05	8.87e-05	0.0	58.1	-0.37	0.72	0.13	-0.03	0.02	3.52
162	227	-8.34	0.08	1.04e-04	-6.60	0.0	2.27	1.02	-0.13	2.61e-03	0.08	-8.35
		-9.94	4.24e-03	-9.98e-05	0.0	58.1	2.27	-5.58	-0.13	2.61e-03	4.24e-03	-9.94
162	251	-3.19	0.04	4.82e-05	-7.09	0.0	2.15	4.36	0.06	-9.99e-03	0.01	-3.97
		-3.97	0.01	-4.18e-06	0.0	58.1	2.15	-2.73	0.06	-9.99e-03	0.04	-3.49
162	261	-1.96	0.02	3.62e-05	-3.67	0.0	-1.63	2.31	-0.14	-0.02	0.02	-2.38
		-2.38	-0.05	-7.72e-06	0.0	58.1	-1.63	-1.36	-0.14	-0.02	-0.05	-2.11
162	268	-3.97	0.02	5.99e-05	-8.56	0.0	1.53	5.31	-8.94e-03	-0.01	0.02	-4.92
		-4.92	0.02	-6.45e-06	0.0	58.1	1.53	-3.25	-8.94e-03	-0.01	0.02	-4.32
162	285	-1.70	7.80e-03	2.94e-05	-3.67	0.0	0.34	2.28	-7.13e-04	-9.19e-03	6.90e-03	-2.11
		-2.11	6.90e-03	-4.24e-06	0.0	58.1	0.34	-1.39	-7.13e-04	-9.19e-03	7.80e-03	-1.86
162	298	-3.13	0.01	4.83e-05	-7.09	0.0	1.02	4.50	-5.01e-03	-0.01	0.01	-3.97
		-3.97	0.01	-5.90e-06	0.0	58.1	1.02	-2.59	-5.01e-03	-0.01	0.01	-3.41
162	303	-2.94	0.02	4.51e-05	-6.60	0.0	1.17	4.16	8.53e-03	-0.01	0.01	-3.70
		-3.70	0.01	-5.15e-06	0.0	58.1	1.17	-2.44	8.53e-03	-0.01	0.02	-3.20
162	304	-1.87	0.01	3.14e-05	-3.67	0.0	0.12	2.21	-0.03	-0.01	0.01	-2.25
		-2.25	-3.71e-03	-4.39e-06	0.0	58.1	0.12	-1.46	-0.03	-0.01	-3.71e-03	-2.03
162	308	-1.81	8.48e-03	3.00e-05	-3.67	0.0	0.52	2.20	-2.68e-03	-8.59e-03	8.48e-03	-2.20
		-2.20	8.15e-03	-3.70e-06	0.0	58.1	0.52	-1.47	-2.68e-03	-8.59e-03	8.15e-03	-1.98
162	309	-1.84	8.88e-03	3.02e-05	-3.67	0.0	0.56	2.19	-3.17e-03	-8.44e-03	8.88e-03	-2.22
		-2.22	8.23e-03	-3.56e-06	0.0	58.1	0.56	-1.49	-3.17e-03	-8.44e-03	8.23e-03	-2.02
162	310	-2.95	0.01	4.57e-05	-6.60	0.0	0.95	4.17	-4.75e-03	-0.01	0.01	-3.72
		-3.72	0.01	-5.57e-06	0.0	58.1	0.95	-2.43	-4.75e-03	-0.01	0.01	-3.21
163	18	-2.79	7.24e-04	-7.94e-06	-8.60	0.0	1.35	8.70	0.10	0.01	-0.04	-4.94
		-4.94	-0.04	-2.98e-06	0.0	48.9	1.35	0.11	0.10	0.01	7.24e-04	-2.79
163	19	-1.06	5.89e-04	-3.25e-06	-2.81	0.0	1.03	2.86	0.12	0.02	-0.05	-1.76
		-1.76	-0.05	0.0	0.0	48.9	1.03	0.04	0.12	0.02	5.89e-04	-1.06
163	44	-2.76	0.13	6.38e-06	-8.60	0.0	-1.39	9.30	-0.30	-0.04	0.13	-5.20
		-5.20	-1.21e-03	-9.57e-06	0.0	48.9	-1.39	0.70	-0.30	-0.04	-1.21e-03	-2.76
163	45	-1.03	0.12	5.23e-06	-2.81	0.0	-1.71	3.45	-0.28	-0.04	0.12	-2.03
		-2.03	-1.35e-03	-6.25e-06	0.0	48.9	-1.71	0.64	-0.28	-0.04	-1.35e-03	-1.03
163	52	-3.42	0.02	-1.07e-05	-10.44	0.0	0.79	10.91	-0.04	-4.59e-03	0.02	-6.20
		-6.20	9.18e-04	-5.06e-06	0.0	48.9	0.79	0.47	-0.04	-4.59e-03	9.18e-04	-3.42
163	93	-0.91	5.92e-03	4.77e-06	-2.81	0.0	-0.10	2.85	-0.01	-2.07e-03	5.92e-03	-1.62
		-1.62	-6.91e-04	-2.72e-06	0.0	48.9	-0.10	0.04	-0.01	-2.07e-03	-6.91e-04	-0.91
163	125	-2.43	-5.32e-03	-4.53e-05	-5.55	0.0	8.50	4.02	0.16	-9.40e-04	-0.08	-3.11
		-3.11	-0.08	-1.06e-06	0.0	48.9	8.50	-1.53	0.16	-9.40e-04	-5.32e-03	-2.54
163	128	-1.00	0.10	4.77e-05	-5.55	0.0	-7.96	7.35	-0.20	-4.51e-03	0.10	-3.27
		-3.27	5.42e-03	-5.40e-06	0.0	48.9	-7.96	1.80	-0.20	-4.51e-03	5.42e-03	-1.00

163	130	1.76	7.85e-03	6.17e-05	-5.55	0.0	-0.83	0.37	-0.02	0.01	7.85e-03	1.76
		0.34	-9.71e-03	5.25e-05	0.0	48.9	-0.83	-5.18	-0.02	0.01	-9.71e-03	0.34
163	131	-3.88	0.01	-5.93e-05	-5.55	0.0	1.36	11.00	-0.02	-0.02	0.01	-8.15
		-8.15	9.82e-03	-5.89e-05	0.0	48.9	1.36	5.45	-0.02	-0.02	9.82e-03	-3.88
163	157	-2.50	-5.97e-03	-5.13e-05	-5.55	0.0	9.53	3.82	0.18	-7.33e-04	-0.10	-3.11
		-3.11	-0.10	0.0	0.0	48.9	9.53	-1.73	0.18	-7.33e-04	-5.97e-03	-2.64
163	160	-0.90	0.12	5.37e-05	-5.55	0.0	-8.99	7.54	-0.22	-4.72e-03	0.12	-3.27
		-3.27	6.08e-03	-5.60e-06	0.0	48.9	-8.99	1.99	-0.22	-4.72e-03	6.08e-03	-0.90
163	162	2.42	7.44e-03	6.98e-05	-5.55	0.0	-0.98	-0.33	-0.02	0.01	7.44e-03	2.42
		0.62	-0.01	5.99e-05	0.0	48.9	-0.98	-5.88	-0.02	0.01	-0.01	0.62
163	163	-4.16	0.01	-6.74e-05	-5.55	0.0	1.51	11.70	-0.02	-0.02	0.01	-8.80
		-8.80	0.01	-6.63e-05	0.0	48.9	1.51	6.15	-0.02	-0.02	0.01	-4.16
163	189	-2.54	-5.77e-03	-5.16e-05	-5.55	0.0	9.42	3.92	0.18	-8.63e-04	-0.09	-3.18
		-3.18	-0.09	-1.37e-06	0.0	48.9	9.42	-1.63	0.18	-8.63e-04	-5.77e-03	-2.67
163	192	-0.87	0.11	5.40e-05	-5.55	0.0	-8.88	7.45	-0.22	-4.59e-03	0.11	-3.20
		-3.20	5.88e-03	-5.08e-06	0.0	48.9	-8.88	1.90	-0.22	-4.59e-03	5.88e-03	-0.87
163	194	2.61	6.84e-03	7.27e-05	-5.55	0.0	-1.05	-0.50	-0.02	0.02	6.84e-03	2.61
		0.71	-0.01	6.22e-05	0.0	48.9	-1.05	-6.05	-0.02	0.02	-0.01	0.71
163	195	-4.26	0.01	-7.03e-05	-5.55	0.0	1.59	11.87	-0.02	-0.02	0.01	-8.99
		-8.99	0.01	-6.86e-05	0.0	48.9	1.59	6.32	-0.02	-0.02	0.01	-4.26
163	221	-2.66	-6.66e-03	-6.10e-05	-5.55	0.0	10.94	3.67	0.21	-6.07e-04	-0.11	-3.22
		-3.22	-0.11	-1.37e-06	0.0	48.9	10.94	-1.88	0.21	-6.07e-04	-6.66e-03	-2.84
163	224	-0.70	0.13	6.34e-05	-5.55	0.0	-10.40	7.70	-0.25	-4.85e-03	0.13	-3.16
		-3.16	6.77e-03	-5.09e-06	0.0	48.9	-10.40	2.15	-0.25	-4.85e-03	6.77e-03	-0.70
163	226	3.78	6.08e-03	8.76e-05	-5.55	0.0	-1.37	-1.72	-0.02	0.02	6.08e-03	3.78
		1.23	-0.01	7.55e-05	0.0	48.9	-1.37	-7.27	-0.02	0.02	-0.01	1.23
163	227	-4.77	0.01	-8.52e-05	-5.55	0.0	1.91	13.09	-0.03	-0.02	0.01	-10.17
		-10.17	0.01	-8.19e-05	0.0	48.9	1.91	7.54	-0.03	-0.02	0.01	-4.77
163	248	-1.14	3.81e-04	-3.02e-06	-3.09	0.0	0.74	3.20	0.08	0.01	-0.03	-1.95
		-1.95	-0.03	0.0	0.0	48.9	0.74	0.12	0.08	0.01	3.81e-04	-1.14
163	251	-1.95	4.71e-04	-5.44e-06	-5.96	0.0	0.91	6.06	0.07	9.76e-03	-0.03	-3.46
		-3.46	-0.03	-2.15e-06	0.0	48.9	0.91	0.10	0.07	9.76e-03	4.71e-04	-1.95
163	261	-1.12	0.08	3.80e-06	-3.09	0.0	-1.09	3.60	-0.19	-0.03	0.08	-2.12
		-2.12	-9.09e-04	-4.94e-06	0.0	48.9	-1.09	0.51	-0.19	-0.03	-9.09e-04	-1.12
163	264	-1.94	0.09	4.31e-06	-5.96	0.0	-0.92	6.46	-0.20	-0.03	0.09	-3.64
		-3.64	-8.19e-04	-6.55e-06	0.0	48.9	-0.92	0.50	-0.20	-0.03	-8.19e-04	-1.94
163	268	-2.38	0.01	-7.29e-06	-7.19	0.0	0.54	7.53	-0.03	-3.21e-03	0.01	-4.30
		-4.30	6.01e-04	-3.54e-06	0.0	48.9	0.54	0.34	-0.03	-3.21e-03	6.01e-04	-2.38
163	285	-1.04	6.60e-03	3.49e-06	-3.09	0.0	-0.01	3.20	-0.01	-2.05e-03	6.60e-03	-1.85
		-1.85	-4.72e-04	-2.58e-06	0.0	48.9	-0.01	0.11	-0.01	-2.05e-03	-4.72e-04	-1.04
163	298	-1.88	0.01	-4.77e-06	-5.96	0.0	0.29	6.07	-0.02	-2.89e-03	0.01	-3.39
		-3.39	7.12e-05	-3.43e-06	0.0	48.9	0.29	0.11	-0.02	-2.89e-03	7.12e-05	-1.88
163	302	-1.13	3.70e-05	-2.38e-06	-3.09	0.0	0.25	3.31	4.23e-03	8.20e-04	-8.43e-04	-1.99
		-1.99	-8.43e-04	-1.72e-06	0.0	48.9	0.25	0.22	4.23e-03	8.20e-04	3.70e-05	-1.13
163	303	-1.77	2.66e-03	-4.56e-06	-5.55	0.0	0.39	5.66	-2.59e-03	-1.59e-04	2.66e-03	-3.18
		-3.18	1.40e-04	-2.94e-06	0.0	48.9	0.39	0.11	-2.59e-03	-1.59e-04	1.40e-04	-1.77
163	304	-1.13	0.02	-1.95e-06	-3.09	0.0	-0.12	3.39	-0.05	-6.88e-03	0.02	-2.03
		-2.03	-2.21e-04	-2.60e-06	0.0	48.9	-0.12	0.30	-0.05	-6.88e-03	-2.21e-04	-1.13
163	305	-1.77	0.03	-4.10e-06	-5.55	0.0	0.02	5.74	-0.06	-7.86e-03	0.03	-3.22
		-3.22	-1.18e-04	-3.81e-06	0.0	48.9	0.02	0.19	-0.06	-7.86e-03	-1.18e-04	-1.77
163	308	-1.11	6.84e-03	-2.00e-06	-3.09	0.0	0.10	3.31	-0.01	-1.81e-03	6.84e-03	-1.97
		-1.97	-1.34e-04	-2.13e-06	0.0	48.9	0.10	0.22	-0.01	-1.81e-03	-1.34e-04	-1.11
163	309	-1.13	6.90e-03	-2.23e-06	-3.09	0.0	0.13	3.34	-0.01	-1.75e-03	6.90e-03	-2.01
		-2.01	-4.90e-05	-2.01e-06	0.0	48.9	0.13	0.25	-0.01	-1.75e-03	-4.90e-05	-1.13
163	310	-1.77	0.01	-4.41e-06	-5.55	0.0	0.27	5.68	-0.02	-2.73e-03	0.01	-3.19
		-3.19	5.40e-05	-3.23e-06	0.0	48.9	0.27	0.13	-0.02	-2.73e-03	5.40e-05	-1.77
164	18	-1.32	8.82e-03	-7.89e-06	-9.41	0.0	1.41	7.20	0.02	0.01	-7.80e-04	-2.79
		-2.79	-7.80e-04	-3.11e-06	0.0	53.5	1.41	-2.21	0.02	0.01	8.82e-03	-1.45
164	45	-0.32	6.74e-04	9.10e-06	-3.08	0.0	-1.16	2.85	-8.80e-03	-8.31e-03	6.74e-04	-1.03
		-1.03	-2.98e-03	-6.62e-06	0.0	53.5	-1.16	-0.23	-8.80e-03	-8.31e-03	-2.98e-03	-0.33
164	52	-1.59	0.01	-1.00e-05	-11.44	0.0	1.12	8.86	0.02	7.68e-03	4.45e-04	-3.42
		-3.42	4.45e-04	-5.26e-06	0.0	53.5	1.12	-2.57	0.02	7.68e-03	0.01	-1.74
164	68	-1.51	0.01	-9.41e-06	-9.41	0.0	1.15	7.38	0.03	7.46e-03	9.17e-04	-3.05
		-3.05	9.17e-04	-3.51e-06	0.0	53.5	1.15	-2.03	0.03	7.46e-03	0.01	-1.62
164	125	-2.36	0.02	-4.00e-05	-6.08	0.0	7.37	2.07	0.05	5.63e-03	-6.05e-03	-2.54
		-3.06	-6.05e-03	0.0	0.0	53.5	7.37	-4.01	0.05	5.63e-03	0.02	-3.06
164	128	1.32	5.66e-03	5.25e-05	-6.08	0.0	-6.48	7.37	-0.03	1.77e-03	5.66e-03	-1.00
		-1.00	-0.01	-5.86e-06	0.0	53.5	-6.48	1.29	-0.03	1.77e-03	-0.01	1.32
164	129	-3.30	0.07	-5.60e-05	-6.08	0.0	4.54	4.64	0.12	5.72e-03	7.30e-03	-4.24
		-4.24	7.30e-03	-7.41e-05	0.0	53.5	4.54	-1.44	0.12	5.72e-03	0.07	-3.40
164	132	1.72	-7.69e-03	6.85e-05	-6.08	0.0	-3.66	4.80	-0.10	1.68e-03	-7.69e-03	0.70
		0.70	-0.06	6.73e-05	0.0	53.5	-3.66	-1.28	-0.10	1.68e-03	-0.06	1.65
164	137	-3.39	0.07	-5.87e-05	-6.08	0.0	5.37	4.42	0.12	0.01	3.39e-03	-4.25
		-4.25	3.39e-03	-2.56e-05	0.0	53.5	5.37	-1.66	0.12	0.01	0.07	-3.51
164	144	1.83	-3.47e-03	7.38e-05	-6.08	0.0	-4.88	5.20	-0.10	-6.51e-03	-3.47e-03	0.56

		0.56	-0.05	1.10e-05	0.0	53.5	-4.88	-0.87	-0.10	-6.51e-03	-0.05	1.81
164	157	-2.51	0.02	-4.59e-05	-6.08	0.0	8.23	1.74	0.05	5.89e-03	-6.77e-03	-2.64
		-3.34	-6.77e-03	0.0	0.0	53.5	8.23	-4.34	0.05	5.89e-03	0.02	-3.34
164	160	1.60	6.38e-03	5.83e-05	-6.08	0.0	-7.35	7.70	-0.04	1.51e-03	6.38e-03	-0.90
		-0.90	-0.01	-6.09e-06	0.0	53.5	-7.35	1.62	-0.04	1.51e-03	-0.01	1.60
164	161	-3.64	0.08	-6.42e-05	-6.08	0.0	5.07	4.63	0.13	5.91e-03	8.29e-03	-4.57
		-4.57	8.29e-03	-8.36e-05	0.0	53.5	5.07	-1.45	0.13	5.91e-03	0.08	-3.73
164	164	2.06	-8.68e-03	7.67e-05	-6.08	0.0	-4.19	4.81	-0.11	1.49e-03	-8.68e-03	1.03
		1.03	-0.07	7.68e-05	0.0	53.5	-4.19	-1.27	-0.11	1.49e-03	-0.07	1.99
164	169	-3.73	0.08	-6.72e-05	-6.08	0.0	6.01	4.38	0.13	0.01	3.86e-03	-4.58
		-4.58	3.86e-03	-2.86e-05	0.0	53.5	6.01	-1.70	0.13	0.01	0.08	-3.86
164	176	2.17	-3.90e-03	8.26e-05	-6.08	0.0	-5.57	5.26	-0.11	-7.83e-03	-3.90e-03	0.86
		0.86	-0.06	1.30e-05	0.0	53.5	-5.57	-0.81	-0.11	-7.83e-03	-0.06	2.15
164	189	-2.53	0.02	-4.59e-05	-6.08	0.0	8.14	1.79	0.06	6.00e-03	-6.55e-03	-2.67
		-3.33	-6.55e-03	-1.27e-06	0.0	53.5	8.14	-4.29	0.06	6.00e-03	0.02	-3.33
164	192	1.59	6.16e-03	5.84e-05	-6.08	0.0	-7.26	7.65	-0.04	1.40e-03	6.16e-03	-0.87
		-0.87	-0.01	-5.53e-06	0.0	53.5	-7.26	1.58	-0.04	1.40e-03	-0.01	1.59
164	193	-3.74	0.08	-6.66e-05	-6.08	0.0	5.12	4.64	0.14	5.45e-03	8.59e-03	-4.68
		-4.68	8.59e-03	-8.71e-05	0.0	53.5	5.12	-1.44	0.14	5.45e-03	0.08	-3.83
164	196	2.16	-8.98e-03	7.90e-05	-6.08	0.0	-4.24	4.80	-0.12	1.94e-03	-8.98e-03	1.13
		1.13	-0.07	8.03e-05	0.0	53.5	-4.24	-1.27	-0.12	1.94e-03	-0.07	2.09
164	208	2.24	-4.00e-03	8.43e-05	-6.08	0.0	-5.63	5.26	-0.11	-7.97e-03	-4.00e-03	0.93
		0.93	-0.06	1.38e-05	0.0	53.5	-5.63	-0.82	-0.11	-7.97e-03	-0.06	2.22
164	221	-2.76	0.02	-5.50e-05	-6.08	0.0	9.43	1.31	0.06	6.47e-03	-7.52e-03	-2.84
		-3.76	-7.52e-03	-1.23e-06	0.0	53.5	9.43	-4.77	0.06	6.47e-03	0.02	-3.76
164	224	2.01	7.13e-03	6.75e-05	-6.08	0.0	-8.55	8.13	-0.05	9.31e-04	7.13e-03	-0.70
		-0.70	-0.02	-5.56e-06	0.0	53.5	-8.55	2.05	-0.05	9.31e-04	-0.02	2.01
164	225	-4.33	0.10	-8.13e-05	-6.08	0.0	6.01	4.63	0.16	5.68e-03	0.01	-5.27
		-5.27	0.01	-1.05e-04	0.0	53.5	6.01	-1.45	0.16	5.68e-03	0.10	-4.43
164	228	2.75	-0.01	9.38e-05	-6.08	0.0	-5.13	4.81	-0.14	1.72e-03	-0.01	1.73
		1.73	-0.09	9.78e-05	0.0	53.5	-5.13	-1.26	-0.14	1.72e-03	-0.09	2.68
164	236	2.81	-5.20e-03	9.56e-05	-6.08	0.0	-6.25	5.12	-0.14	-5.69e-03	-5.20e-03	1.67
		1.67	-0.08	2.85e-05	0.0	53.5	-6.25	-0.96	-0.14	-5.69e-03	-0.08	2.77
164	251	-0.93	6.04e-03	-5.42e-06	-6.53	0.0	0.96	5.01	0.01	7.89e-03	-5.47e-04	-1.95
		-1.95	-5.47e-04	-2.25e-06	0.0	53.5	0.96	-1.52	0.01	7.89e-03	6.04e-03	-1.02
164	261	-0.42	3.68e-04	7.56e-06	-3.38	0.0	-0.68	2.97	-3.69e-03	-4.52e-03	3.68e-04	-1.12
		-1.12	-1.09e-03	-5.23e-06	0.0	53.5	-0.68	-0.41	-3.69e-03	-4.52e-03	-1.09e-03	-0.43
164	268	-1.11	8.14e-03	-6.83e-06	-7.87	0.0	0.76	6.12	0.02	5.35e-03	2.69e-04	-2.38
		-2.38	2.69e-04	-3.68e-06	0.0	53.5	0.76	-1.76	0.02	5.35e-03	8.14e-03	-1.21
164	276	-1.05	9.36e-03	-6.43e-06	-6.53	0.0	0.78	5.13	0.02	5.20e-03	5.84e-04	-2.13
		-2.13	5.84e-04	-2.52e-06	0.0	53.5	0.78	-1.39	0.02	5.20e-03	9.36e-03	-1.13
164	298	-0.83	4.07e-03	6.64e-06	-6.53	0.0	0.47	5.05	9.29e-03	3.87e-03	-1.90e-04	-1.88
		-1.88	-1.90e-04	-3.61e-06	0.0	53.5	0.47	-1.48	9.29e-03	3.87e-03	4.07e-03	-0.92
164	303	-0.80	4.15e-03	5.86e-06	-6.08	0.0	0.53	4.70	9.69e-03	4.42e-03	-2.56e-04	-1.77
		-1.77	-2.56e-04	-3.09e-06	0.0	53.5	0.53	-1.38	9.69e-03	4.42e-03	4.15e-03	-0.88
164	304	-0.51	1.60e-03	4.54e-06	-3.38	0.0	0.06	2.79	3.71e-03	1.23e-03	-1.12e-04	-1.13
		-1.13	-1.12e-04	-2.73e-06	0.0	53.5	0.06	-0.59	3.71e-03	1.23e-03	1.60e-03	-0.54
164	307	-0.83	4.81e-03	5.32e-06	-6.08	0.0	0.50	4.72	0.01	3.88e-03	-2.97e-05	-1.81
		-1.81	-2.97e-05	-3.14e-06	0.0	53.5	0.50	-1.35	0.01	3.88e-03	4.81e-03	-0.91
164	308	-0.52	1.77e-03	4.24e-06	-3.38	0.0	0.22	2.74	4.75e-03	2.58e-03	-3.15e-04	-1.11
		-1.11	-3.15e-04	-2.24e-06	0.0	53.5	0.22	-0.64	4.75e-03	2.58e-03	1.77e-03	-0.55
164	309	-0.53	2.27e-03	3.79e-06	-3.38	0.0	0.25	2.74	5.56e-03	2.67e-03	-2.32e-04	-1.13
		-1.13	-2.32e-04	-2.11e-06	0.0	53.5	0.25	-0.64	5.56e-03	2.67e-03	2.27e-03	-0.57
164	310	-0.79	3.81e-03	6.23e-06	-6.08	0.0	0.44	4.72	8.76e-03	3.70e-03	-1.96e-04	-1.77
		-1.77	-1.96e-04	-3.40e-06	0.0	53.5	0.44	-1.36	8.76e-03	3.70e-03	3.81e-03	-0.87
165	18	-0.34	0.01	1.53e-05	-9.41	0.0	1.51	6.26	7.77e-03	0.01	8.28e-03	-1.45
		-1.45	8.28e-03	-2.40e-06	0.0	53.5	1.51	-3.15	7.77e-03	0.01	0.01	-0.62
165	45	0.19	3.30e-03	1.46e-05	-3.08	0.0	-0.77	2.44	0.02	0.01	-3.61e-03	-0.33
		-0.33	-3.61e-03	-6.22e-06	0.0	53.5	-0.77	-0.64	0.02	0.01	3.30e-03	0.16
165	52	-0.38	0.02	1.80e-05	-11.44	0.0	1.41	7.63	0.02	0.02	0.01	-1.74
		-1.74	0.01	-3.90e-06	0.0	53.5	1.41	-3.81	0.02	0.02	0.02	-0.72
165	68	-0.49	0.02	1.14e-05	-9.41	0.0	1.42	6.30	0.02	0.02	0.01	-1.62
		-1.62	0.01	-1.98e-06	0.0	53.5	1.42	-3.11	0.02	0.02	0.02	-0.77
165	125	-3.02	0.03	-4.90e-05	-6.08	0.0	6.33	0.99	0.02	0.02	0.02	-3.06
		-4.15	0.02	1.18e-06	0.0	53.5	6.33	-5.09	0.02	0.02	0.03	-4.15
165	128	3.56	-9.87e-03	7.28e-05	-6.08	0.0	-5.14	7.23	-8.64e-03	-5.17e-03	-9.87e-03	1.32
		1.32	-0.02	-7.04e-06	0.0	53.5	-5.14	1.15	-8.64e-03	-5.17e-03	-0.02	3.56
165	129	-3.20	0.11	-5.61e-05	-6.08	0.0	4.57	2.09	0.08	0.05	0.07	-3.40
		-3.88	0.07	-6.78e-05	0.0	53.5	4.57	-3.99	0.08	0.05	0.11	-3.88
165	132	3.28	-0.06	7.98e-05	-6.08	0.0	-3.38	6.12	-0.06	-0.03	-0.06	1.65
		1.65	-0.09	6.19e-05	0.0	53.5	-3.38	0.05	-0.06	-0.03	-0.09	3.28
165	141	-3.41	0.09	-6.13e-05	-6.08	0.0	5.52	1.75	0.07	0.06	0.06	-3.55
		-4.23	0.06	-1.14e-05	0.0	53.5	5.52	-4.32	0.07	0.06	0.09	-4.23
165	144	3.63	-0.05	8.50e-05	-6.08	0.0	-4.33	6.46	-0.06	-0.05	-0.05	1.81
		1.81	-0.08	5.52e-06	0.0	53.5	-4.33	0.38	-0.06	-0.05	-0.08	3.63

165	157	-3.32	0.03	-5.67e-05	-6.08	0.0	7.05	0.60	0.03	0.02	0.02	-3.34
		-4.64	0.02	1.63e-06	0.0	53.5	7.05	-5.48	0.03	0.02	0.03	-4.64
165	160	4.04	-0.01	8.05e-05	-6.08	0.0	-5.86	7.62	-0.01	-6.97e-03	-0.01	1.60
		1.60	-0.02	-7.49e-06	0.0	53.5	-5.86	1.54	-0.01	-6.97e-03	-0.02	4.04
165	161	-3.58	0.12	-6.51e-05	-6.08	0.0	5.08	1.83	0.09	0.06	0.08	-3.73
		-4.36	0.08	-7.65e-05	0.0	53.5	5.08	-4.25	0.09	0.06	0.12	-4.36
165	164	3.76	-0.07	8.88e-05	-6.08	0.0	-3.89	6.39	-0.07	-0.04	-0.07	1.99
		1.99	-0.11	7.06e-05	0.0	53.5	-3.89	0.31	-0.07	-0.04	-0.11	3.76
165	173	-3.80	0.11	-7.08e-05	-6.08	0.0	6.15	1.45	0.08	0.07	0.06	-3.90
		-4.74	0.06	-1.26e-05	0.0	53.5	6.15	-4.63	0.08	0.07	0.11	-4.74
165	176	4.14	-0.06	9.46e-05	-6.08	0.0	-4.96	6.77	-0.06	-0.05	-0.06	2.15
		2.15	-0.09	6.70e-06	0.0	53.5	-4.96	0.69	-0.06	-0.05	-0.09	4.14
165	189	-3.32	0.03	-5.66e-05	-6.08	0.0	6.98	0.63	0.03	0.02	0.02	-3.33
		-4.62	0.02	1.12e-06	0.0	53.5	6.98	-5.45	0.03	0.02	0.03	-4.62
165	192	4.02	-0.01	8.03e-05	-6.08	0.0	-5.79	7.59	-0.01	-7.52e-03	-0.01	1.59
		1.59	-0.02	-6.98e-06	0.0	53.5	-5.79	1.51	-0.01	-7.52e-03	-0.02	4.02
165	193	-3.68	0.13	-6.77e-05	-6.08	0.0	5.16	1.78	0.09	0.06	0.08	-3.83
		-4.48	0.08	-7.96e-05	0.0	53.5	5.16	-4.30	0.09	0.06	0.13	-4.48
165	196	3.88	-0.07	9.14e-05	-6.08	0.0	-3.97	6.44	-0.07	-0.04	-0.07	2.09
		2.09	-0.11	7.37e-05	0.0	53.5	-3.97	0.36	-0.07	-0.04	-0.11	3.88
165	205	-3.87	0.11	-7.26e-05	-6.08	0.0	6.22	1.41	0.08	0.07	0.07	-3.96
		-4.83	0.07	-1.32e-05	0.0	53.5	6.22	-4.67	0.08	0.07	0.11	-4.83
165	208	4.23	-0.06	9.63e-05	-6.08	0.0	-5.04	6.80	-0.07	-0.05	-0.06	2.22
		2.22	-0.10	7.38e-06	0.0	53.5	-5.04	0.73	-0.07	-0.05	-0.10	4.23
165	221	-3.76	0.04	-6.83e-05	-6.08	0.0	8.05	0.05	0.03	0.03	0.02	-3.76
		-5.35	0.02	1.53e-06	0.0	53.5	8.05	-6.03	0.03	0.03	0.04	-5.35
165	224	4.76	-0.02	9.21e-05	-6.08	0.0	-6.87	8.17	-0.02	-0.01	-0.02	2.01
		2.01	-0.03	-7.39e-06	0.0	53.5	-6.87	2.09	-0.02	-0.01	-0.03	4.76
165	225	-4.35	0.15	-8.38e-05	-6.08	0.0	6.05	1.32	0.11	0.07	0.09	-4.43
		-5.32	0.09	-9.55e-05	0.0	53.5	6.05	-4.75	0.11	0.07	0.15	-5.32
165	228	4.72	-0.09	1.08e-04	-6.08	0.0	-4.86	6.89	-0.09	-0.05	-0.09	2.68
		2.68	-0.14	8.96e-05	0.0	53.5	-4.86	0.81	-0.09	-0.05	-0.14	4.72
165	237	-4.50	0.13	-8.84e-05	-6.08	0.0	7.25	0.92	0.10	0.08	0.08	-4.54
		-5.67	0.08	-1.54e-05	0.0	53.5	7.25	-5.16	0.10	0.08	0.13	-5.67
165	240	5.07	-0.07	1.12e-04	-6.08	0.0	-6.07	7.30	-0.08	-0.07	-0.07	2.80
		2.80	-0.11	9.56e-06	0.0	53.5	-6.07	1.22	-0.08	-0.07	-0.11	5.07
165	251	-0.24	7.65e-03	1.07e-05	-6.53	0.0	1.03	4.36	5.43e-03	7.27e-03	5.65e-03	-1.02
		-1.02	5.65e-03	-1.75e-06	0.0	53.5	1.03	-2.17	5.43e-03	7.27e-03	7.65e-03	-0.43
165	261	0.09	3.68e-03	1.26e-05	-3.38	0.0	-0.37	2.56	0.01	0.01	-1.62e-03	-0.43
		-0.43	-1.62e-03	-4.85e-06	0.0	53.5	-0.37	-0.82	0.01	0.01	3.68e-03	0.03
165	268	-0.27	0.01	1.25e-05	-7.87	0.0	0.97	5.27	0.02	0.01	7.49e-03	-1.21
		-1.21	7.49e-03	-2.75e-06	0.0	53.5	0.97	-2.60	0.02	0.01	0.01	-0.50
165	276	-0.34	0.02	8.14e-06	-6.53	0.0	0.97	4.39	0.02	0.01	8.74e-03	-1.13
		-1.13	8.74e-03	-1.47e-06	0.0	53.5	0.97	-2.14	0.02	0.01	0.02	-0.53
165	298	-0.13	7.12e-03	1.26e-05	-6.53	0.0	0.63	4.39	8.75e-03	8.79e-03	3.61e-03	-0.92
		-0.92	3.61e-03	-3.11e-06	0.0	53.5	0.63	-2.13	8.75e-03	8.79e-03	7.12e-03	-0.32
165	303	-0.15	6.61e-03	1.13e-05	-6.08	0.0	0.67	4.09	7.31e-03	7.88e-03	3.74e-03	-0.88
		-0.88	3.74e-03	-2.63e-06	0.0	53.5	0.67	-1.99	7.31e-03	7.88e-03	6.61e-03	-0.32
165	304	-0.08	3.63e-03	8.31e-06	-3.38	0.0	0.21	2.42	6.12e-03	6.62e-03	1.25e-03	-0.54
		-0.54	1.25e-03	-2.42e-06	0.0	53.5	0.21	-0.96	6.12e-03	6.62e-03	3.63e-03	-0.15
165	307	-0.17	8.30e-03	1.08e-05	-6.08	0.0	0.65	4.10	9.60e-03	8.82e-03	4.35e-03	-0.91
		-0.91	4.35e-03	-2.57e-06	0.0	53.5	0.65	-1.98	9.60e-03	8.82e-03	8.30e-03	-0.34
165	309	-0.11	3.62e-03	7.25e-06	-3.38	0.0	0.36	2.39	4.48e-03	5.69e-03	1.97e-03	-0.57
		-0.57	1.97e-03	-1.82e-06	0.0	53.5	0.36	-0.99	4.48e-03	5.69e-03	3.62e-03	-0.19
165	310	-0.13	6.62e-03	1.19e-05	-6.08	0.0	0.59	4.11	8.14e-03	8.35e-03	3.38e-03	-0.87
		-0.87	3.38e-03	-2.93e-06	0.0	53.5	0.59	-1.97	8.14e-03	8.35e-03	6.62e-03	-0.30
166	4	0.41	0.01	3.62e-05	-11.44	0.0	1.64	6.69	-0.02	0.02	0.01	-0.64
		-0.64	7.40e-04	-2.89e-06	0.0	53.5	1.64	-4.75	-0.02	0.02	7.40e-04	-0.12
166	43	0.77	0.01	4.45e-05	-9.41	0.0	0.22	5.58	0.01	0.03	8.73e-03	-0.11
		-0.11	8.73e-03	-7.71e-06	0.0	53.5	0.22	-3.83	0.01	0.03	0.01	0.36
166	45	0.47	6.95e-03	2.51e-05	-3.08	0.0	-0.45	1.91	0.01	0.02	2.17e-03	0.16
		0.16	2.17e-03	-5.65e-06	0.0	53.5	-0.45	-1.17	0.01	0.02	6.95e-03	0.35
166	68	0.12	0.02	2.27e-05	-9.41	0.0	1.59	5.60	-5.05e-03	0.02	0.02	-0.77
		-0.77	0.02	0.0	0.0	53.5	1.59	-3.81	-5.05e-03	0.02	0.02	-0.29
166	89	0.33	-1.60e-03	2.48e-05	-4.69	0.0	0.43	2.78	-0.01	7.24e-03	-1.60e-03	-0.11
		-0.11	-9.12e-03	-3.94e-06	0.0	53.5	0.43	-1.91	-0.01	7.24e-03	-9.12e-03	0.13
166	125	-3.89	0.03	-9.35e-05	-6.08	0.0	5.09	2.40	0.02	0.03	0.02	-4.15
		-4.46	0.02	4.24e-06	0.0	53.5	5.09	-3.67	0.02	0.03	0.03	-4.46
166	128	4.52	-0.01	1.36e-04	-6.08	0.0	-3.64	4.76	-0.03	-0.01	-0.01	3.56
		3.56	-0.03	-8.79e-06	0.0	53.5	-3.64	-1.32	-0.03	-0.01	-0.03	4.44
166	129	-3.35	0.14	-9.71e-05	-6.08	0.0	4.13	3.04	0.09	0.10	0.09	-3.88
		-3.88	0.09	-5.83e-05	0.0	53.5	4.13	-3.03	0.09	0.10	0.14	-3.66
166	132	3.89	-0.08	1.39e-04	-6.08	0.0	-2.68	4.12	-0.11	-0.08	-0.08	3.28
		3.28	-0.14	5.38e-05	0.0	53.5	-2.68	-1.96	-0.11	-0.08	-0.14	3.64
166	157	-4.40	0.04	-1.08e-04	-6.08	0.0	5.64	2.26	0.02	0.04	0.03	-4.64

		-5.02	0.03	5.01e-06	0.0	53.5	5.64	-3.82	0.02	0.04	0.04	-5.02
166	160	5.07	-0.02	1.50e-04	-6.08	0.0	-4.19	4.91	-0.03	-0.01	-0.02	4.04
		4.04	-0.03	-9.55e-06	0.0	53.5	-4.19	-1.17	-0.03	-0.01	-0.03	5.00
166	161	-3.83	0.16	-1.13e-04	-6.08	0.0	4.57	2.98	0.11	0.11	0.10	-4.36
		-4.36	0.10	-6.58e-05	0.0	53.5	4.57	-3.10	0.11	0.11	0.16	-4.13
166	164	4.36	-0.09	1.55e-04	-6.08	0.0	-3.12	4.19	-0.12	-0.09	-0.09	3.76
		3.76	-0.16	6.13e-05	0.0	53.5	-3.12	-1.89	-0.12	-0.09	-0.16	4.12
166	189	-4.38	0.04	-1.08e-04	-6.08	0.0	5.59	2.28	0.02	0.04	0.03	-4.62
		-4.99	0.03	4.57e-06	0.0	53.5	5.59	-3.79	0.02	0.04	0.04	-4.99
166	192	5.04	-0.02	1.50e-04	-6.08	0.0	-4.14	4.88	-0.04	-0.01	-0.02	4.02
		4.02	-0.04	-9.12e-06	0.0	53.5	-4.14	-1.20	-0.04	-0.01	-0.04	4.97
166	193	-3.95	0.17	-1.17e-04	-6.08	0.0	4.65	2.99	0.11	0.11	0.11	-4.48
		-4.48	0.11	-6.84e-05	0.0	53.5	4.65	-3.08	0.11	0.11	0.17	-4.25
166	196	4.48	-0.10	1.59e-04	-6.08	0.0	-3.20	4.17	-0.13	-0.09	-0.10	3.88
		3.88	-0.17	6.38e-05	0.0	53.5	-3.20	-1.91	-0.13	-0.09	-0.17	4.24
166	221	-5.15	0.04	-1.30e-04	-6.08	0.0	6.41	2.07	0.03	0.04	0.03	-5.35
		-5.83	0.03	5.51e-06	0.0	53.5	6.41	-4.00	0.03	0.04	0.04	-5.83
166	224	5.86	-0.02	1.72e-04	-6.08	0.0	-4.96	5.09	-0.04	-0.02	-0.02	4.76
		4.76	-0.04	-1.01e-05	0.0	53.5	-4.96	-0.99	-0.04	-0.02	-0.04	5.81
166	225	-4.80	0.20	-1.45e-04	-6.08	0.0	5.43	2.89	0.14	0.13	0.13	-5.32
		-5.32	0.13	-8.21e-05	0.0	53.5	5.43	-3.18	0.14	0.13	0.20	-5.10
166	228	5.33	-0.12	1.87e-04	-6.08	0.0	-3.98	4.27	-0.15	-0.11	-0.12	4.72
		4.72	-0.20	7.75e-05	0.0	53.5	-3.98	-1.81	-0.15	-0.11	-0.20	5.08
166	244	0.28	8.42e-03	2.52e-05	-7.87	0.0	1.13	4.61	-0.01	0.01	8.42e-03	-0.44
		-0.44	9.92e-05	-2.06e-06	0.0	53.5	1.13	-3.26	-0.01	0.01	9.92e-05	-0.08
166	261	0.37	4.22e-03	2.21e-05	-3.38	0.0	-0.12	2.07	6.35e-03	0.01	2.76e-03	0.03
		0.03	2.76e-03	-4.31e-06	0.0	53.5	-0.12	-1.32	6.35e-03	0.01	4.22e-03	0.23
166	263	0.52	6.70e-03	3.07e-05	-6.53	0.0	0.18	3.88	6.10e-03	0.02	5.99e-03	-0.09
		-0.09	5.99e-03	-5.27e-06	0.0	53.5	0.18	-2.65	6.10e-03	0.02	6.70e-03	0.24
166	276	0.09	0.02	1.62e-05	-6.53	0.0	1.09	3.89	-4.27e-03	0.02	0.02	-0.53
		-0.53	0.01	0.0	0.0	53.5	1.09	-2.64	-4.27e-03	0.02	0.01	-0.19
166	285	0.23	-9.00e-04	1.76e-05	-3.38	0.0	0.33	2.01	-9.16e-03	5.43e-03	-9.00e-04	-0.09
		-0.09	-6.48e-03	-2.76e-06	0.0	53.5	0.33	-1.37	-9.16e-03	5.43e-03	-6.48e-03	0.08
166	303	0.24	5.99e-03	2.03e-05	-6.08	0.0	0.78	3.58	-8.84e-03	0.01	5.99e-03	-0.32
		-0.32	-2.04e-04	-1.99e-06	0.0	53.5	0.78	-2.50	-8.84e-03	0.01	-2.04e-04	-0.03
166	304	0.18	3.09e-03	1.54e-05	-3.38	0.0	0.34	2.04	-4.54e-03	8.98e-03	3.09e-03	-0.15
		-0.15	-5.42e-04	-2.03e-06	0.0	53.5	0.34	-1.34	-4.54e-03	8.98e-03	-5.42e-04	0.04
166	305	0.31	5.86e-03	2.28e-05	-6.08	0.0	0.61	3.59	-4.75e-03	0.01	5.86e-03	-0.25
		-0.25	1.58e-03	-2.85e-06	0.0	53.5	0.61	-2.49	-4.75e-03	0.01	1.58e-03	0.04
166	307	0.23	7.57e-03	1.96e-05	-6.08	0.0	0.78	3.59	-6.72e-03	0.01	7.57e-03	-0.34
		-0.34	2.29e-03	-1.75e-06	0.0	53.5	0.78	-2.49	-6.72e-03	0.01	2.29e-03	-0.05
166	308	0.15	2.36e-03	1.45e-05	-3.38	0.0	0.43	2.03	-7.64e-03	7.07e-03	2.36e-03	-0.17
		-0.17	-2.68e-03	-1.71e-06	0.0	53.5	0.43	-1.35	-7.64e-03	7.07e-03	-2.68e-03	7.68e-03
166	309	0.13	3.17e-03	1.37e-05	-3.38	0.0	0.46	2.03	-7.26e-03	7.49e-03	3.17e-03	-0.19
		-0.19	-1.73e-03	-1.45e-06	0.0	53.5	0.46	-1.35	-7.26e-03	7.49e-03	-1.73e-03	-0.01
166	310	0.26	5.94e-03	2.12e-05	-6.08	0.0	0.73	3.58	-7.47e-03	0.01	5.94e-03	-0.30
		-0.30	3.91e-04	-2.27e-06	0.0	53.5	0.73	-2.50	-7.47e-03	0.01	3.91e-04	-8.72e-03
167	19	0.08	-7.82e-03	7.84e-06	-3.08	0.0	0.67	1.79	-0.03	0.0	-7.82e-03	-0.19
		-0.19	-0.02	0.0	0.0	53.5	0.67	-1.29	-0.03	0.0	-0.02	-0.06
167	27	0.89	0.03	6.80e-05	-11.44	0.0	1.03	5.39	0.05	0.0	2.07e-03	0.21
		0.04	2.07e-03	-6.14e-06	0.0	53.5	1.03	-6.05	0.05	0.0	0.03	0.04
167	44	0.86	0.05	7.09e-05	-9.41	0.0	0.84	4.18	0.08	0.0	4.14e-03	0.36
		0.08	4.14e-03	-7.16e-06	0.0	53.5	0.84	-5.23	0.08	0.0	0.05	0.08
167	45	0.45	0.05	3.93e-05	-3.08	0.0	0.17	1.05	0.08	0.0	3.72e-03	0.35
		0.09	3.72e-03	-5.12e-06	0.0	53.5	0.17	-2.03	0.08	0.0	0.05	0.09
167	52	0.67	4.14e-03	4.71e-05	-11.44	0.0	1.49	6.00	-5.21e-03	0.0	4.14e-03	-0.17
		-0.17	1.35e-03	-1.10e-06	0.0	53.5	1.49	-5.43	-5.21e-03	0.0	1.35e-03	-0.02
167	65	0.18	6.61e-03	8.84e-06	-4.69	0.0	1.02	2.89	-0.01	0.0	6.61e-03	-0.29
		-0.29	3.17e-04	2.83e-06	0.0	53.5	1.02	-1.81	-0.01	0.0	3.17e-04	-3.17e-03
167	125	-0.90	0.02	-2.01e-04	-6.08	0.0	2.57	9.67	-0.11	0.0	0.02	-4.46
		-4.46	-0.03	7.49e-06	0.0	53.5	2.57	3.60	-0.11	0.0	-0.03	-0.90
167	128	4.44	0.04	2.63e-04	-6.08	0.0	-1.11	-3.62	0.12	0.0	-0.03	4.44
		0.87	-0.03	-1.24e-05	0.0	53.5	-1.11	-9.69	0.12	0.0	0.04	0.87
167	129	0.17	0.11	-1.92e-04	-6.08	0.0	1.94	10.11	-0.25	1.49e-06	0.11	-3.66
		-3.66	-0.03	-4.56e-05	0.0	53.5	1.94	4.03	-0.25	1.49e-06	-0.03	0.17
167	132	3.64	0.03	2.54e-04	-6.08	0.0	-0.48	-4.05	0.26	-1.15e-06	-0.12	3.64
		-0.20	-0.12	4.06e-05	0.0	53.5	-0.48	-10.13	0.26	-1.15e-06	0.03	-0.20
167	157	-1.01	0.02	-2.31e-04	-6.08	0.0	2.81	10.51	-0.12	0.0	0.02	-5.02
		-5.02	-0.04	8.71e-06	0.0	53.5	2.81	4.44	-0.12	0.0	-0.04	-1.01
167	160	5.00	0.04	2.93e-04	-6.08	0.0	-1.34	-4.46	0.14	0.0	-0.03	5.00
		0.98	-0.03	-1.36e-05	0.0	53.5	-1.34	-10.53	0.14	0.0	0.04	0.98
167	161	0.20	0.12	-2.21e-04	-6.08	0.0	2.10	11.04	-0.28	1.66e-06	0.12	-4.13
		-4.13	-0.03	-5.13e-05	0.0	53.5	2.10	4.97	-0.28	1.66e-06	-0.03	0.20
167	164	4.12	0.03	2.84e-04	-6.08	0.0	-0.63	-4.99	0.29	-1.33e-06	-0.13	4.12
		-0.23	-0.13	4.64e-05	0.0	53.5	-0.63	-11.06	0.29	-1.33e-06	0.03	-0.23

167	189	-0.99	0.02	-2.29e-04	-6.08	0.0	2.78	10.49	-0.13	0.0	0.02	-4.99
		-4.99	-0.04	8.37e-06	0.0	53.5	2.78	4.42	-0.13	0.0	-0.04	-0.99
167	192	4.97	0.04	2.92e-04	-6.08	0.0	-1.32	-4.44	0.14	0.0	-0.03	4.97
		0.96	-0.03	-1.33e-05	0.0	53.5	-1.32	-10.51	0.14	0.0	0.04	0.96
167	193	0.21	0.13	-2.29e-04	-6.08	0.0	2.12	11.31	-0.29	1.72e-06	0.13	-4.25
		-4.25	-0.03	-5.32e-05	0.0	53.5	2.12	5.23	-0.29	1.72e-06	-0.03	0.21
167	196	4.24	0.03	2.92e-04	-6.08	0.0	-0.65	-5.25	0.30	-1.39e-06	-0.13	4.24
		-0.24	-0.13	4.82e-05	0.0	53.5	-0.65	-11.33	0.30	-1.39e-06	0.03	-0.24
167	221	-1.15	0.03	-2.74e-04	-6.08	0.0	3.13	11.77	-0.15	0.0	0.03	-5.83
		-5.83	-0.04	1.01e-05	0.0	53.5	3.13	5.69	-0.15	0.0	-0.04	-1.15
167	224	5.81	0.05	3.36e-04	-6.08	0.0	-1.66	-5.71	0.16	0.0	-0.04	5.81
		1.12	-0.04	-1.50e-05	0.0	53.5	-1.66	-11.79	0.16	0.0	0.05	1.12
167	225	0.27	0.16	-2.82e-04	-6.08	0.0	2.39	12.98	-0.35	2.04e-06	0.16	-5.10
		-5.10	-0.04	-6.36e-05	0.0	53.5	2.39	6.90	-0.35	2.04e-06	-0.04	0.27
167	228	5.08	0.04	3.44e-04	-6.08	0.0	-0.92	-6.92	0.37	-1.71e-06	-0.16	5.08
		-0.29	-0.16	5.87e-05	0.0	53.5	-0.92	-13.00	0.37	-1.71e-06	0.04	-0.29
167	248	0.14	-6.46e-03	1.29e-05	-3.38	0.0	0.64	1.86	-0.02	0.0	-6.46e-03	-0.13
		-0.13	-0.01	0.0	0.0	53.5	0.64	-1.52	-0.02	0.0	-0.01	-0.04
167	255	0.61	0.02	4.69e-05	-7.87	0.0	0.74	3.72	0.04	0.0	8.12e-04	0.14
		0.02	8.12e-04	-4.28e-06	0.0	53.5	0.74	-4.15	0.04	0.0	0.02	0.02
167	261	0.38	0.03	3.39e-05	-3.38	0.0	0.31	1.36	0.06	0.0	1.23e-03	0.23
		0.06	1.23e-03	-4.07e-06	0.0	53.5	0.31	-2.02	0.06	0.0	0.03	0.06
167	264	0.59	0.03	4.89e-05	-6.53	0.0	0.61	2.92	0.06	0.0	2.19e-03	0.24
		0.05	2.19e-03	-4.96e-06	0.0	53.5	0.61	-3.61	0.06	0.0	0.03	0.05
167	268	0.46	2.19e-03	3.30e-05	-7.87	0.0	1.04	4.13	-2.24e-03	0.0	2.19e-03	-0.12
		-0.12	9.89e-04	0.0	0.0	53.5	1.04	-3.75	-2.24e-03	0.0	9.89e-04	-0.02
167	273	0.14	3.84e-03	7.48e-06	-3.38	0.0	0.73	2.05	-6.61e-03	0.0	3.84e-03	-0.20
		-0.20	2.99e-04	1.70e-06	0.0	53.5	0.73	-1.33	-6.61e-03	0.0	2.99e-04	-2.82e-03
167	304	0.25	7.02e-03	2.27e-05	-3.38	0.0	0.49	1.63	0.02	0.0	-2.87e-03	0.04
		4.59e-03	-2.87e-03	-2.25e-06	0.0	53.5	0.49	-1.75	0.02	0.0	7.02e-03	4.59e-03
167	305	0.43	7.27e-03	3.39e-05	-6.08	0.0	0.69	2.96	0.02	0.0	-1.89e-03	0.04
		-5.24e-04	-1.89e-03	-2.92e-06	0.0	53.5	0.69	-3.11	0.02	0.0	7.27e-03	-5.24e-04
167	306	0.20	7.44e-04	1.74e-05	-3.38	0.0	0.57	1.77	5.78e-03	0.0	-2.35e-03	-0.05
		-0.05	-2.35e-03	-1.10e-06	0.0	53.5	0.57	-1.62	5.78e-03	0.0	7.44e-04	-7.75e-03
167	307	0.38	9.98e-04	2.86e-05	-6.08	0.0	0.77	3.10	4.43e-03	0.0	-1.37e-03	-0.05
		-0.05	-1.37e-03	-1.77e-06	0.0	53.5	0.77	-2.98	4.43e-03	0.0	9.98e-04	-0.01
167	308	0.23	9.11e-04	2.12e-05	-3.38	0.0	0.51	1.66	0.01	0.0	-4.67e-03	7.68e-03
		-9.59e-03	-4.67e-03	-2.15e-06	0.0	53.5	0.51	-1.72	0.01	0.0	9.11e-04	-9.59e-03
167	309	0.22	8.55e-04	1.99e-05	-3.38	0.0	0.53	1.69	8.88e-03	0.0	-3.90e-03	-0.01
		-0.01	-3.90e-03	-1.80e-06	0.0	53.5	0.53	-1.69	8.88e-03	0.0	8.55e-04	-8.98e-03
167	310	0.40	1.11e-03	3.11e-05	-6.08	0.0	0.73	3.03	7.53e-03	0.0	-2.92e-03	-8.72e-03
		-0.01	-2.92e-03	-2.47e-06	0.0	53.5	0.73	-3.05	7.53e-03	0.0	1.11e-03	-0.01
168	20	-2.46	4.04e-03	4.60e-05	-6.33	0.0	0.09	3.73	-0.02	4.33e-03	4.04e-03	-3.10
		-3.10	-9.02e-03	1.04e-06	0.0	58.1	0.09	-2.60	-0.02	4.33e-03	-9.02e-03	-2.77
168	28	-5.23	8.63e-03	1.37e-04	-24.09	0.0	-1.30	13.44	-0.06	-0.01	8.63e-03	-7.41
		-7.41	-0.02	-1.04e-05	0.0	58.1	-1.30	-10.65	-0.06	-0.01	-0.02	-6.59
168	43	-4.15	6.50e-03	1.17e-04	-19.77	0.0	-1.36	10.96	-0.05	-0.02	6.50e-03	-5.91
		-5.91	-0.02	-1.17e-05	0.0	58.1	-1.36	-8.82	-0.05	-0.02	-0.02	-5.29
168	52	-5.53	9.50e-03	1.31e-04	-24.09	0.0	-0.93	13.43	-0.06	-6.78e-03	9.50e-03	-7.71
		-7.71	-0.02	-5.49e-06	0.0	58.1	-0.93	-10.66	-0.06	-6.78e-03	-0.02	-6.90
168	93	-1.72	2.76e-03	4.41e-05	-6.33	0.0	-0.22	3.60	-0.02	-2.43e-03	2.76e-03	-2.31
		-2.31	-8.53e-03	-2.57e-06	0.0	58.1	-0.22	-2.73	-0.02	-2.43e-03	-8.53e-03	-2.06
168	117	-5.34	3.56e-03	2.52e-05	-12.73	0.0	0.41	6.40	-0.02	-0.02	3.56e-03	-6.39
		-6.39	-0.01	-4.32e-05	0.0	58.1	0.41	-6.32	-0.02	-0.02	-0.01	-6.14
168	120	-0.37	6.29e-03	1.17e-04	-12.73	0.0	-1.37	7.75	-0.04	0.01	6.29e-03	-1.60
		-1.60	-0.01	3.67e-05	0.0	58.1	-1.37	-4.98	-0.04	0.01	-0.01	-1.02
168	130	1.16	-0.02	4.28e-05	-12.73	0.0	-0.52	7.69	-0.04	0.02	-0.02	-0.23
		-0.23	-0.04	1.27e-04	0.0	58.1	-0.52	-5.03	-0.04	0.02	-0.04	0.61
168	131	-6.84	0.03	9.90e-05	-12.73	0.0	-0.44	6.46	-0.02	-0.03	0.03	-7.76
		-7.77	0.02	-1.33e-04	0.0	58.1	-0.44	-6.27	-0.02	-0.03	0.02	-7.77
168	137	-7.67	0.02	6.57e-05	-12.73	0.0	0.17	6.29	-0.02	-0.02	0.02	-8.61
		-8.61	5.90e-03	-5.15e-05	0.0	58.1	0.17	-6.44	-0.02	-0.02	5.90e-03	-8.58
168	140	1.99	-0.01	7.61e-05	-12.73	0.0	-1.13	7.87	-0.04	0.02	-0.01	0.62
		0.62	-0.03	4.50e-05	0.0	58.1	-1.13	-4.86	-0.04	0.02	-0.03	1.42
168	149	-5.66	3.44e-03	1.97e-05	-12.73	0.0	0.52	6.32	-0.02	-0.02	3.44e-03	-6.70
		-6.70	-0.01	-4.93e-05	0.0	58.1	0.52	-6.41	-0.02	-0.02	-0.01	-6.47
168	152	-0.04	6.42e-03	1.22e-04	-12.73	0.0	-1.48	7.84	-0.04	0.01	6.42e-03	-1.29
		-1.29	-0.01	4.27e-05	0.0	58.1	-1.48	-4.89	-0.04	0.01	-0.01	-0.69
168	162	1.70	-0.02	3.92e-05	-12.73	0.0	-0.53	7.78	-0.04	0.03	-0.02	0.28
		0.28	-0.04	1.44e-04	0.0	58.1	-0.53	-4.95	-0.04	0.03	-0.04	1.17
168	163	-7.37	0.03	1.03e-04	-12.73	0.0	-0.43	6.38	-0.02	-0.03	0.03	-8.27
		-8.33	0.02	-1.50e-04	0.0	58.1	-0.43	-6.35	-0.02	-0.03	0.02	-8.33
168	169	-8.31	0.02	6.52e-05	-12.73	0.0	0.25	6.18	-0.02	-0.03	0.02	-9.22
		-9.24	8.27e-03	-5.82e-05	0.0	58.1	0.25	-6.54	-0.02	-0.03	8.27e-03	-9.24
168	172	2.63	-0.01	7.67e-05	-12.73	0.0	-1.21	7.97	-0.04	0.02	-0.01	1.23

		1.23	-0.03	5.17e-05	0.0	58.1	-1.21	-4.76	-0.04	0.02	-0.03	2.08
168	181	-5.73	3.69e-03	2.13e-05	-12.73	0.0	0.51	6.31	-0.02	-0.02	3.69e-03	-6.76
		-6.76	-0.01	-5.49e-05	0.0	58.1	0.51	-6.42	-0.02	-0.02	-0.01	-6.55
168	184	0.03	6.16e-03	1.21e-04	-12.73	0.0	-1.47	7.84	-0.04	0.01	6.16e-03	-1.23
		-1.23	-0.01	4.84e-05	0.0	58.1	-1.47	-4.88	-0.04	0.01	-0.01	-0.61
168	194	1.88	-0.02	3.90e-05	-12.73	0.0	-0.54	7.81	-0.04	0.03	-0.02	0.45
		0.45	-0.05	1.49e-04	0.0	58.1	-0.54	-4.92	-0.04	0.03	-0.05	1.35
168	195	-7.55	0.03	1.03e-04	-12.73	0.0	-0.42	6.35	-0.02	-0.04	0.03	-8.44
		-8.51	0.02	-1.55e-04	0.0	58.1	-0.42	-6.38	-0.02	-0.04	0.02	-8.51
168	201	-8.45	0.02	6.58e-05	-12.73	0.0	0.26	6.16	-0.02	-0.03	0.02	-9.35
		-9.39	8.74e-03	-6.15e-05	0.0	58.1	0.26	-6.56	-0.02	-0.03	8.74e-03	-9.39
168	204	2.77	-0.01	7.61e-05	-12.73	0.0	-1.22	7.99	-0.04	0.02	-0.01	1.36
		1.36	-0.03	5.50e-05	0.0	58.1	-1.22	-4.74	-0.04	0.02	-0.03	2.23
168	213	-6.27	3.58e-03	1.34e-05	-12.73	0.0	0.68	6.17	-0.02	-0.02	3.58e-03	-7.28
		-7.28	-0.01	-6.78e-05	0.0	58.1	0.68	-6.55	-0.02	-0.02	-0.01	-7.12
168	216	0.58	6.28e-03	1.28e-04	-12.73	0.0	-1.64	7.98	-0.04	0.02	6.28e-03	-0.71
		-0.71	-0.01	6.13e-05	0.0	58.1	-1.64	-4.74	-0.04	0.02	-0.01	-0.04
168	226	2.86	-0.03	3.32e-05	-12.73	0.0	-0.57	7.96	-0.04	0.03	-0.03	1.36
		1.36	-0.05	1.80e-04	0.0	58.1	-0.57	-4.76	-0.04	0.03	-0.05	2.37
168	227	-8.52	0.04	1.09e-04	-12.73	0.0	-0.39	6.19	-0.02	-0.04	0.04	-9.36
		-9.53	0.03	-1.86e-04	0.0	58.1	-0.39	-6.54	-0.02	-0.04	0.03	-9.53
168	233	-9.51	0.03	6.52e-05	-12.73	0.0	0.40	5.99	-0.02	-0.03	0.03	-10.37
		-10.50	0.01	-7.37e-05	0.0	58.1	0.40	-6.73	-0.02	-0.03	0.01	-10.50
168	236	3.85	-0.02	7.67e-05	-12.73	0.0	-1.36	8.16	-0.04	0.02	-0.02	2.38
		2.38	-0.04	6.72e-05	0.0	58.1	-1.36	-4.57	-0.04	0.02	-0.04	3.34
168	249	-2.43	3.95e-03	4.89e-05	-6.97	0.0	-0.03	4.05	-0.02	2.04e-03	3.95e-03	-3.11
		-3.11	-9.29e-03	0.0	0.0	58.1	-0.03	-2.92	-0.02	2.04e-03	-9.29e-03	-2.79
168	256	-3.67	6.03e-03	9.56e-05	-16.56	0.0	-0.88	9.25	-0.04	-0.01	6.03e-03	-5.17
		-5.17	-0.02	-7.10e-06	0.0	58.1	-0.88	-7.32	-0.04	-0.01	-0.02	-4.61
168	263	-2.95	4.61e-03	8.21e-05	-13.69	0.0	-0.92	7.59	-0.03	-0.01	4.61e-03	-4.18
		-4.18	-0.01	-7.98e-06	0.0	58.1	-0.92	-6.09	-0.03	-0.01	-0.01	-3.74
168	268	-3.87	6.61e-03	9.14e-05	-16.56	0.0	-0.63	9.24	-0.04	-4.70e-03	6.61e-03	-5.37
		-5.37	-0.02	-3.86e-06	0.0	58.1	-0.63	-7.32	-0.04	-4.70e-03	-0.02	-4.81
168	285	-1.93	3.10e-03	4.75e-05	-6.97	0.0	-0.24	3.96	-0.02	-2.47e-03	3.10e-03	-2.59
		-2.59	-8.97e-03	-2.45e-06	0.0	58.1	-0.24	-3.01	-0.02	-2.47e-03	-8.97e-03	-2.31
168	298	-2.98	5.20e-03	7.48e-05	-13.69	0.0	-0.52	7.60	-0.03	-4.18e-03	5.20e-03	-4.20
		-4.20	-0.01	-3.47e-06	0.0	58.1	-0.52	-6.09	-0.03	-4.18e-03	-0.01	-3.77
168	302	-2.09	3.35e-03	4.69e-05	-6.97	0.0	-0.20	3.95	-0.02	-1.35e-03	3.35e-03	-2.75
		-2.75	-8.49e-03	-1.55e-06	0.0	58.1	-0.20	-3.02	-0.02	-1.35e-03	-8.49e-03	-2.47
168	305	-2.85	4.81e-03	7.24e-05	-12.73	0.0	-0.56	7.08	-0.03	-5.59e-03	4.81e-03	-3.99
		-3.99	-0.01	-4.16e-06	0.0	58.1	-0.56	-5.65	-0.03	-5.59e-03	-0.01	-3.58
168	308	-2.06	3.25e-03	4.76e-05	-6.97	0.0	-0.24	3.95	-0.02	-2.25e-03	3.25e-03	-2.71
		-2.71	-8.69e-03	-2.09e-06	0.0	58.1	-0.24	-3.02	-0.02	-2.25e-03	-8.69e-03	-2.44
168	309	-2.09	3.29e-03	4.77e-05	-6.97	0.0	-0.24	3.95	-0.02	-2.20e-03	3.29e-03	-2.74
		-2.74	-8.62e-03	-2.00e-06	0.0	58.1	-0.24	-3.02	-0.02	-2.20e-03	-8.62e-03	-2.47
168	310	-2.85	4.93e-03	7.09e-05	-12.73	0.0	-0.48	7.08	-0.03	-3.89e-03	4.93e-03	-4.00
		-4.00	-0.01	-3.26e-06	0.0	58.1	-0.48	-5.65	-0.03	-3.89e-03	-0.01	-3.58
169	28	-3.13	2.02e-03	2.43e-05	-20.24	0.0	-1.49	16.96	0.05	-7.74e-03	-0.02	-6.59
		-6.59	-0.02	-1.11e-05	0.0	48.9	-1.49	-3.29	0.05	-7.74e-03	2.02e-03	-3.26
169	52	-3.41	8.32e-03	1.61e-05	-20.24	0.0	-1.36	17.01	0.06	-7.70e-03	-0.02	-6.90
		-6.90	-0.02	-7.03e-06	0.0	48.9	-1.36	-3.24	0.06	-7.70e-03	8.32e-03	-3.54
169	67	-2.96	9.28e-03	-1.26e-05	-16.62	0.0	-1.06	13.91	0.05	-6.38e-03	-0.02	-5.80
		-5.80	-0.02	-4.87e-06	0.0	48.9	-1.06	-2.70	0.05	-6.38e-03	9.28e-03	-3.06
169	69	-1.56	5.94e-03	-4.83e-06	-5.32	0.0	-0.35	5.13	0.03	-1.88e-03	-6.85e-03	-2.77
		-2.77	-6.85e-03	-1.21e-06	0.0	48.9	-0.35	-0.19	0.03	-1.88e-03	5.94e-03	-1.56
169	93	-0.99	-1.06e-03	8.34e-06	-5.32	0.0	-0.47	4.83	0.01	-2.02e-03	-8.39e-03	-2.06
		-2.06	-8.39e-03	-3.06e-06	0.0	48.9	-0.47	-0.49	0.01	-2.02e-03	-1.06e-03	-1.00
169	137	-5.70	0.07	-5.78e-05	-10.69	0.0	0.89	10.75	0.11	-0.03	8.65e-03	-8.58
		-8.58	8.65e-03	-4.47e-05	0.0	48.9	0.89	0.06	0.11	-0.03	0.07	-5.70
169	138	1.79	-0.04	5.22e-05	-10.69	0.0	-2.84	6.30	-0.02	0.02	-0.04	0.73
		0.73	-0.04	1.89e-05	0.0	48.9	-2.84	-4.40	-0.02	0.02	-0.04	1.45
169	139	-5.07	0.05	-3.12e-05	-10.69	0.0	1.34	11.63	0.08	-0.02	0.01	-7.89
		-7.89	0.01	-2.70e-05	0.0	48.9	1.34	0.93	0.08	-0.02	0.05	-5.07
169	140	2.44	-0.03	7.89e-05	-10.69	0.0	-2.40	7.17	-0.05	0.02	-0.03	1.42
		1.42	-0.06	3.65e-05	0.0	48.9	-2.40	-3.52	-0.05	0.02	-0.06	2.07
169	141	-5.57	0.07	-5.77e-05	-10.69	0.0	0.95	10.72	0.12	-0.03	0.01	-8.17
		-8.17	0.01	-3.65e-05	0.0	48.9	0.95	0.02	0.12	-0.03	0.07	-5.57
169	144	2.21	-0.04	7.88e-05	-10.69	0.0	-2.46	7.21	-0.06	0.02	-0.04	1.01
		1.01	-0.06	2.84e-05	0.0	48.9	-2.46	-3.49	-0.06	0.02	-0.06	1.94
169	169	-6.21	0.07	-6.68e-05	-10.69	0.0	1.11	10.99	0.13	-0.03	0.01	-9.24
		-9.24	0.01	-5.02e-05	0.0	48.9	1.11	0.30	0.13	-0.03	0.07	-6.21
169	170	2.27	-0.04	5.78e-05	-10.69	0.0	-3.11	5.95	-0.03	0.02	-0.04	1.29
		1.29	-0.05	2.19e-05	0.0	48.9	-3.11	-4.74	-0.03	0.02	-0.05	1.88
169	171	-5.50	0.05	-3.68e-05	-10.69	0.0	1.61	11.97	0.09	-0.03	0.02	-8.45
		-8.45	0.02	-3.00e-05	0.0	48.9	1.61	1.28	0.09	-0.03	0.05	-5.50

169	172	3.01	-0.04	8.78e-05	-10.69	0.0	-2.61	6.93	-0.07	0.03	-0.04	2.08
		2.08	-0.07	4.21e-05	0.0	48.9	-2.61	-3.76	-0.07	0.03	-0.07	2.58
169	173	-6.06	0.08	-6.67e-05	-10.69	0.0	1.18	10.95	0.13	-0.03	0.01	-8.77
		-8.77	0.01	-4.08e-05	0.0	48.9	1.18	0.25	0.13	-0.03	0.08	-6.06
169	176	2.74	-0.04	8.77e-05	-10.69	0.0	-2.68	6.98	-0.07	0.02	-0.04	1.61
		1.61	-0.07	3.27e-05	0.0	48.9	-2.68	-3.72	-0.07	0.02	-0.07	2.43
169	201	-6.33	0.08	-6.88e-05	-10.69	0.0	1.17	11.07	0.13	-0.03	0.01	-9.39
		-9.39	0.01	-5.27e-05	0.0	48.9	1.17	0.37	0.13	-0.03	0.08	-6.33
169	202	2.38	-0.04	5.95e-05	-10.69	0.0	-3.16	5.91	-0.03	0.02	-0.04	1.43
		1.43	-0.05	2.21e-05	0.0	48.9	-3.16	-4.79	-0.03	0.02	-0.05	1.98
169	203	-5.60	0.06	-3.85e-05	-10.69	0.0	1.66	12.02	0.09	-0.03	0.02	-8.59
		-8.59	0.02	-3.02e-05	0.0	48.9	1.66	1.33	0.09	-0.03	0.06	-5.60
169	204	3.14	-0.04	8.98e-05	-10.69	0.0	-2.67	6.86	-0.07	0.03	-0.04	2.23
		2.23	-0.07	4.46e-05	0.0	48.9	-2.67	-3.83	-0.07	0.03	-0.07	2.71
169	205	-6.17	0.08	-6.82e-05	-10.69	0.0	1.24	11.02	0.13	-0.03	0.01	-8.92
		-8.92	0.01	-4.22e-05	0.0	48.9	1.24	0.32	0.13	-0.03	0.08	-6.17
169	208	2.86	-0.04	8.93e-05	-10.69	0.0	-2.74	6.91	-0.07	0.02	-0.04	1.75
		1.75	-0.07	3.41e-05	0.0	48.9	-2.74	-3.79	-0.07	0.02	-0.07	2.54
169	233	-7.20	0.09	-8.38e-05	-10.69	0.0	1.54	11.47	0.15	-0.04	0.02	-10.50
		-10.50	0.02	-6.29e-05	0.0	48.9	1.54	0.78	0.15	-0.04	0.09	-7.20
169	234	3.20	-0.05	6.90e-05	-10.69	0.0	-3.61	5.34	-0.04	0.02	-0.05	2.37
		2.37	-0.06	2.67e-05	0.0	48.9	-3.61	-5.35	-0.04	0.02	-0.06	2.69
169	235	-6.32	0.07	-4.80e-05	-10.69	0.0	2.11	12.58	0.10	-0.03	0.02	-9.54
		-9.54	0.02	-3.48e-05	0.0	48.9	2.11	1.89	0.10	-0.03	0.07	-6.32
169	236	4.11	-0.04	1.05e-04	-10.69	0.0	-3.04	6.45	-0.09	0.03	-0.04	3.34
		3.34	-0.08	5.47e-05	0.0	48.9	-3.04	-4.24	-0.09	0.03	-0.08	3.57
169	237	-6.99	0.09	-8.29e-05	-10.69	0.0	1.62	11.42	0.15	-0.03	0.02	-9.93
		-9.93	0.02	-4.97e-05	0.0	48.9	1.62	0.73	0.15	-0.03	0.09	-6.99
169	240	3.75	-0.04	1.04e-04	-10.69	0.0	-3.12	6.51	-0.09	0.03	-0.04	2.77
		2.77	-0.09	4.15e-05	0.0	48.9	-3.12	-4.19	-0.09	0.03	-0.09	3.36
169	256	-2.20	1.44e-03	1.67e-05	-13.92	0.0	-1.03	11.72	0.04	-5.33e-03	-0.02	-4.61
		-4.61	-0.02	-7.66e-06	0.0	48.9	-1.03	-2.20	0.04	-5.33e-03	1.44e-03	-2.28
169	268	-2.39	5.64e-03	1.12e-05	-13.92	0.0	-0.95	11.75	0.04	-5.30e-03	-0.02	-4.81
		-4.81	-0.02	-4.93e-06	0.0	48.9	-0.95	-2.16	0.04	-5.30e-03	5.64e-03	-2.47
169	273	-1.52	4.53e-03	-4.45e-06	-5.86	0.0	-0.42	5.52	0.02	-2.09e-03	-7.79e-03	-2.79
		-2.79	-7.79e-03	-1.78e-06	0.0	48.9	-0.42	-0.34	0.02	-2.09e-03	4.53e-03	-1.52
169	275	-2.09	6.28e-03	-8.61e-06	-11.50	0.0	-0.75	9.69	0.04	-4.42e-03	-0.01	-4.08
		-4.08	-0.01	-3.49e-06	0.0	48.9	-0.75	-1.81	0.04	-4.42e-03	6.28e-03	-2.16
169	285	-1.13	-1.40e-04	7.95e-06	-5.86	0.0	-0.50	5.32	0.02	-2.18e-03	-8.82e-03	-2.31
		-2.31	-8.82e-03	-3.01e-06	0.0	48.9	-0.50	-0.54	0.02	-2.18e-03	-1.40e-04	-1.14
169	298	-1.83	3.17e-03	1.12e-05	-11.50	0.0	-0.80	9.56	0.03	-4.48e-03	-0.01	-3.77
		-3.77	-0.01	-4.31e-06	0.0	48.9	-0.80	-1.94	0.03	-4.48e-03	3.17e-03	-1.90
169	306	-1.31	2.04e-03	5.45e-06	-5.86	0.0	-0.46	5.41	0.02	-2.14e-03	-8.34e-03	-2.53
		-2.53	-8.34e-03	-2.43e-06	0.0	48.9	-0.46	-0.44	0.02	-2.14e-03	2.04e-03	-1.32
169	307	-1.80	3.54e-03	9.79e-06	-10.69	0.0	-0.74	8.99	0.03	-4.14e-03	-0.01	-3.64
		-3.64	-0.01	-3.90e-06	0.0	48.9	-0.74	-1.71	0.03	-4.14e-03	3.54e-03	-1.86
169	308	-1.24	1.10e-03	6.52e-06	-5.86	0.0	-0.47	5.37	0.02	-2.16e-03	-8.55e-03	-2.44
		-2.44	-8.55e-03	-2.68e-06	0.0	48.9	-0.47	-0.48	0.02	-2.16e-03	1.10e-03	-1.24
169	309	-1.26	1.42e-03	6.16e-06	-5.86	0.0	-0.47	5.39	0.02	-2.15e-03	-8.48e-03	-2.47
		-2.47	-8.48e-03	-2.60e-06	0.0	48.9	-0.47	-0.47	0.02	-2.15e-03	1.42e-03	-1.27
169	310	-1.75	2.92e-03	1.05e-05	-10.69	0.0	-0.75	8.96	0.03	-4.15e-03	-0.01	-3.58
		-3.58	-0.01	-4.06e-06	0.0	48.9	-0.75	-1.73	0.03	-4.15e-03	2.92e-03	-1.81
170	19	-0.44	4.43e-03	5.34e-06	-5.83	0.0	0.05	4.16	-8.04e-03	-4.93e-03	4.43e-03	-1.23
		-1.23	7.40e-04	0.0	0.0	53.5	0.05	-1.67	-8.04e-03	-4.93e-03	7.40e-04	-0.56
170	44	-0.46	-1.27e-03	3.88e-05	-18.20	0.0	-1.33	12.65	-1.59e-04	-1.79e-03	-1.37e-03	-2.81
		-2.81	-1.37e-03	-1.33e-05	0.0	53.5	-1.33	-5.55	-1.59e-04	-1.79e-03	-1.27e-03	-0.91
170	46	-0.32	-1.22e-03	2.09e-05	-5.83	0.0	-0.92	4.64	7.71e-03	3.16e-03	-4.95e-03	-1.31
		-1.31	-4.95e-03	-9.71e-06	0.0	53.5	-0.92	-1.18	7.71e-03	3.16e-03	-1.22e-03	-0.39
170	52	-0.80	8.76e-03	3.00e-05	-22.17	0.0	-0.81	15.06	-0.02	-9.45e-03	8.76e-03	-3.54
		-3.54	-5.93e-04	-6.61e-06	0.0	53.5	-0.81	-7.10	-0.02	-9.45e-03	-5.93e-04	-1.41
170	67	-0.83	9.67e-03	2.03e-05	-18.20	0.0	-0.65	12.34	-0.02	-8.46e-03	9.67e-03	-3.06
		-3.06	-8.45e-04	-4.17e-06	0.0	53.5	-0.65	-5.86	-0.02	-8.46e-03	-8.45e-04	-1.33
170	95	-0.18	1.84e-03	2.67e-05	-15.09	0.0	-0.55	10.00	-3.65e-03	-5.46e-03	1.84e-03	-1.95
		-1.95	5.10e-04	-5.89e-06	0.0	53.5	-0.55	-5.10	-3.65e-03	-5.46e-03	5.10e-04	-0.64
170	137	-4.08	0.07	-6.90e-05	-11.71	0.0	0.82	8.28	-0.13	-0.03	0.07	-5.70
		-5.70	-1.54e-03	-4.40e-05	0.0	53.5	0.82	-3.43	-0.13	-0.03	-1.54e-03	-4.33
170	140	3.35	1.68e-03	1.06e-04	-11.71	0.0	-1.70	7.63	0.12	0.02	-0.06	2.07
		2.07	-0.06	3.59e-05	0.0	53.5	-1.70	-4.08	0.12	0.02	1.68e-03	2.95
170	141	-4.04	0.07	-7.20e-05	-11.71	0.0	0.85	8.20	-0.14	-0.03	0.07	-5.57
		-5.57	-2.04e-03	-3.43e-05	0.0	53.5	0.85	-3.51	-0.14	-0.03	-2.04e-03	-4.32
170	144	3.30	2.18e-03	1.09e-04	-11.71	0.0	-1.74	7.71	0.13	0.02	-0.07	1.94
		1.94	-0.07	2.62e-05	0.0	53.5	-1.74	-4.00	0.13	0.02	2.18e-03	2.94
170	169	-4.57	0.08	-8.04e-05	-11.71	0.0	0.99	8.33	-0.15	-0.04	0.08	-6.21
		-6.21	-1.73e-03	-4.94e-05	0.0	53.5	0.99	-3.38	-0.15	-0.04	-1.73e-03	-4.81
170	172	3.84	1.87e-03	1.17e-04	-11.71	0.0	-1.87	7.58	0.14	0.03	-0.07	2.58

		2.58	-0.07	4.14e-05	0.0	53.5	-1.87	-4.13	0.14	0.03	1.87e-03	3.43
170	173	-4.52	0.08	-8.38e-05	-11.71	0.0	1.02	8.24	-0.16	-0.03	0.08	-6.06
		-6.06	-2.30e-03	-3.83e-05	0.0	53.5	1.02	-3.47	-0.16	-0.03	-2.30e-03	-4.80
170	176	3.78	2.44e-03	1.20e-04	-11.71	0.0	-1.90	7.67	0.14	0.02	-0.07	2.43
		2.43	-0.07	3.02e-05	0.0	53.5	-1.90	-4.04	0.14	0.02	2.44e-03	3.42
170	201	-4.68	0.08	-8.27e-05	-11.71	0.0	1.02	8.35	-0.16	-0.04	0.08	-6.33
		-6.33	-1.66e-03	-5.18e-05	0.0	53.5	1.02	-3.36	-0.16	-0.04	-1.66e-03	-4.92
170	204	3.96	1.80e-03	1.19e-04	-11.71	0.0	-1.91	7.56	0.14	0.03	-0.07	2.71
		2.71	-0.07	4.37e-05	0.0	53.5	-1.91	-4.15	0.14	0.03	1.80e-03	3.54
170	205	-4.62	0.08	-8.59e-05	-11.71	0.0	1.05	8.26	-0.16	-0.03	0.08	-6.17
		-6.17	-2.23e-03	-3.95e-05	0.0	53.5	1.05	-3.45	-0.16	-0.03	-2.23e-03	-4.89
170	208	3.88	2.37e-03	1.23e-04	-11.71	0.0	-1.94	7.65	0.15	0.02	-0.08	2.54
		2.54	-0.08	3.15e-05	0.0	53.5	-1.94	-4.06	0.15	0.02	2.37e-03	3.51
170	233	-5.50	0.10	-1.02e-04	-11.71	0.0	1.30	8.44	-0.18	-0.04	0.10	-7.20
		-7.20	-1.94e-03	-6.16e-05	0.0	53.5	1.30	-3.27	-0.18	-0.04	-1.94e-03	-5.72
170	236	4.78	2.08e-03	1.38e-04	-11.71	0.0	-2.18	7.47	0.17	0.03	-0.09	3.57
		3.57	-0.09	5.36e-05	0.0	53.5	-2.18	-4.24	0.17	0.03	2.08e-03	4.34
170	237	-5.42	0.10	-1.05e-04	-11.71	0.0	1.33	8.33	-0.19	-0.04	0.10	-6.99
		-6.99	-2.61e-03	-4.65e-05	0.0	53.5	1.33	-3.38	-0.19	-0.04	-2.61e-03	-5.68
170	240	4.68	2.75e-03	1.42e-04	-11.71	0.0	-2.22	7.58	0.17	0.03	-0.09	3.36
		3.36	-0.09	3.84e-05	0.0	53.5	-2.22	-4.13	0.17	0.03	2.75e-03	4.30
170	248	-0.43	3.56e-03	7.91e-06	-6.41	0.0	-0.08	4.58	-6.67e-03	-4.25e-03	3.56e-03	-1.30
		-1.30	5.20e-04	0.0	0.0	53.5	-0.08	-1.83	-6.67e-03	-4.25e-03	5.20e-04	-0.56
170	262	-0.35	-7.88e-04	1.83e-05	-6.41	0.0	-0.72	4.90	3.83e-03	1.14e-03	-2.69e-03	-1.35
		-1.35	-2.69e-03	-7.45e-06	0.0	53.5	-0.72	-1.51	3.83e-03	1.14e-03	-7.88e-04	-0.44
170	264	-0.35	-8.11e-04	2.67e-05	-12.59	0.0	-0.91	8.78	-3.08e-04	-1.39e-03	-8.11e-04	-1.99
		-1.99	-8.27e-04	-9.10e-06	0.0	53.5	-0.91	-3.81	-3.08e-04	-1.39e-03	-8.27e-04	-0.66
170	268	-0.58	5.95e-03	2.08e-05	-15.24	0.0	-0.56	10.39	-0.01	-6.50e-03	5.95e-03	-2.47
		-2.47	-3.74e-04	-4.65e-06	0.0	53.5	-0.56	-4.85	-0.01	-6.50e-03	-3.74e-04	-0.99
170	275	-0.59	6.55e-03	1.44e-05	-12.59	0.0	-0.46	8.58	-0.01	-5.84e-03	6.55e-03	-2.16
		-2.16	-5.42e-04	-3.03e-06	0.0	53.5	-0.46	-4.02	-0.01	-5.84e-03	-5.42e-04	-0.94
170	287	-0.25	1.84e-03	2.21e-05	-12.59	0.0	-0.47	8.48	-3.74e-03	-4.61e-03	1.84e-03	-1.78
		-1.78	3.67e-04	-4.90e-06	0.0	53.5	-0.47	-4.12	-3.74e-03	-4.61e-03	3.67e-04	-0.61
170	298	-0.37	3.41e-03	1.96e-05	-12.59	0.0	-0.47	8.51	-7.37e-03	-5.02e-03	3.41e-03	-1.90
		-1.90	6.40e-05	-4.28e-06	0.0	53.5	-0.47	-4.08	-7.37e-03	-5.02e-03	6.40e-05	-0.72
170	302	-0.39	1.93e-03	1.05e-05	-6.41	0.0	-0.24	4.62	-3.92e-03	-2.84e-03	1.93e-03	-1.28
		-1.28	1.87e-04	-2.18e-06	0.0	53.5	-0.24	-1.79	-3.92e-03	-2.84e-03	1.87e-04	-0.52
170	305	-0.35	2.33e-03	1.96e-05	-11.71	0.0	-0.53	7.97	-5.41e-03	-3.95e-03	2.33e-03	-1.80
		-1.80	-9.72e-05	-4.92e-06	0.0	53.5	-0.53	-3.74	-5.41e-03	-3.95e-03	-9.72e-05	-0.67
170	307	-0.41	3.77e-03	1.73e-05	-11.71	0.0	-0.44	7.97	-8.24e-03	-4.82e-03	3.77e-03	-1.86
		-1.86	-5.16e-05	-3.79e-06	0.0	53.5	-0.44	-3.74	-8.24e-03	-4.82e-03	-5.16e-05	-0.73
170	309	-0.38	1.53e-03	1.11e-05	-6.41	0.0	-0.28	4.63	-3.23e-03	-2.49e-03	1.53e-03	-1.27
		-1.27	1.03e-04	-2.62e-06	0.0	53.5	-0.28	-1.78	-3.23e-03	-2.49e-03	1.03e-04	-0.51
170	310	-0.37	3.14e-03	1.83e-05	-11.71	0.0	-0.44	7.96	-6.78e-03	-4.66e-03	3.14e-03	-1.81
		-1.81	6.96e-05	-4.04e-06	0.0	53.5	-0.44	-3.76	-6.78e-03	-4.66e-03	6.96e-05	-0.69
171	19	-1.48e-04	2.21e-03	1.08e-05	-5.83	0.0	-0.29	3.51	8.87e-04	-6.29e-03	1.08e-03	-0.56
		-0.56	1.08e-03	0.0	0.0	53.5	-0.29	-2.32	8.87e-04	-6.29e-03	2.21e-03	-0.25
171	27	0.89	-3.73e-04	6.26e-05	-22.17	0.0	-1.39	12.66	-0.02	-6.39e-03	-3.73e-04	-1.04
		-1.04	-7.78e-03	-1.10e-05	0.0	53.5	-1.39	-9.51	-0.02	-6.39e-03	-7.78e-03	-0.20
171	28	0.87	-4.56e-04	6.51e-05	-22.17	0.0	-1.42	12.81	-0.02	-6.48e-03	-4.56e-04	-1.11
		-1.11	-8.40e-03	-1.16e-05	0.0	53.5	-1.42	-9.35	-0.02	-6.48e-03	-8.40e-03	-0.19
171	42	0.36	-1.33e-03	3.94e-05	-8.93	0.0	-0.85	5.64	-0.02	2.14e-03	-1.33e-03	-0.59
		-0.59	-0.01	-1.07e-05	0.0	53.5	-0.85	-3.29	-0.02	2.14e-03	-0.01	0.03
171	52	0.57	1.02e-03	5.21e-05	-22.17	0.0	-1.30	12.81	-5.44e-04	-0.01	3.88e-05	-1.41
		-1.41	3.88e-05	-6.61e-06	0.0	53.5	-1.30	-9.36	-5.44e-04	-0.01	1.02e-03	-0.49
171	71	0.21	4.88e-03	2.78e-05	-15.09	0.0	-0.87	8.67	7.82e-03	-9.74e-03	-3.48e-04	-1.12
		-1.12	-3.48e-04	-3.15e-06	0.0	53.5	-0.87	-6.43	7.82e-03	-9.74e-03	4.88e-03	-0.52
171	125	-2.40	0.11	-6.85e-05	-11.71	0.0	0.12	5.69	0.20	-0.01	-2.74e-03	-3.13
		-3.24	-2.74e-03	-1.71e-05	0.0	53.5	0.12	-6.02	0.20	-0.01	0.11	-3.24
171	128	3.17	3.47e-03	1.29e-04	-11.71	0.0	-1.51	7.86	-0.21	3.71e-03	3.47e-03	1.75
		1.75	-0.11	9.07e-06	0.0	53.5	-1.51	-3.85	-0.21	3.71e-03	-0.11	2.84
171	137	-3.35	0.09	-8.30e-05	-11.71	0.0	0.55	6.63	0.16	-0.03	2.68e-03	-4.33
		-4.33	2.68e-03	-4.62e-05	0.0	53.5	0.55	-5.08	0.16	-0.03	0.09	-3.96
171	140	4.06	-1.95e-03	1.44e-04	-11.71	0.0	-1.94	6.92	-0.18	0.02	-1.95e-03	2.95
		2.95	-0.10	3.82e-05	0.0	53.5	-1.94	-4.79	-0.18	0.02	-0.10	3.56
171	144	4.09	-1.39e-03	1.46e-04	-11.71	0.0	-1.94	6.98	-0.19	0.01	-1.39e-03	2.94
		2.94	-0.10	2.65e-05	0.0	53.5	-1.94	-4.73	-0.19	0.01	-0.10	3.60
171	157	-2.75	0.12	-8.10e-05	-11.71	0.0	0.22	5.55	0.23	-0.02	-3.12e-03	-3.44
		-3.62	-3.12e-03	-1.87e-05	0.0	53.5	0.22	-6.16	0.23	-0.02	0.12	-3.62
171	160	3.53	3.86e-03	1.42e-04	-11.71	0.0	-1.61	7.99	-0.24	4.91e-03	3.86e-03	2.06
		2.06	-0.12	1.08e-05	0.0	53.5	-1.61	-3.72	-0.24	4.91e-03	-0.12	3.22
171	169	-3.84	0.10	-9.78e-05	-11.71	0.0	0.72	6.61	0.19	-0.03	2.99e-03	-4.81
		-4.81	2.99e-03	-5.19e-05	0.0	53.5	0.72	-5.10	0.19	-0.03	0.10	-4.45
171	172	4.55	-2.26e-03	1.59e-04	-11.71	0.0	-2.11	6.94	-0.20	0.02	-2.26e-03	3.43
		3.43	-0.11	4.39e-05	0.0	53.5	-2.11	-4.77	-0.20	0.02	-0.11	4.05

171	176	4.58	-1.62e-03	1.61e-04	-11.71	0.0	-2.10	7.00	-0.21	0.02	-1.62e-03	3.42
		3.42	-0.12	3.06e-05	0.0	53.5	-2.10	-4.71	-0.21	0.02	-0.12	4.10
171	189	-2.75	0.12	-8.08e-05	-11.71	0.0	0.22	5.57	0.23	-0.02	-3.03e-03	-3.45
		-3.61	-3.03e-03	-1.89e-05	0.0	53.5	0.22	-6.14	0.23	-0.02	0.12	-3.61
171	192	3.53	3.77e-03	1.42e-04	-11.71	0.0	-1.61	7.97	-0.24	5.02e-03	3.77e-03	2.07
		2.07	-0.12	1.09e-05	0.0	53.5	-1.61	-3.74	-0.24	5.02e-03	-0.12	3.22
171	201	-3.94	0.11	-1.01e-04	-11.71	0.0	0.75	6.61	0.19	-0.03	3.08e-03	-4.92
		-4.92	3.08e-03	-5.41e-05	0.0	53.5	0.75	-5.10	0.19	-0.03	0.11	-4.56
171	204	4.66	-2.35e-03	1.62e-04	-11.71	0.0	-2.14	6.94	-0.20	0.02	-2.35e-03	3.54
		3.54	-0.11	4.61e-05	0.0	53.5	-2.14	-4.77	-0.20	0.02	-0.11	4.16
171	208	4.67	-1.70e-03	1.64e-04	-11.71	0.0	-2.13	7.00	-0.22	0.02	-1.70e-03	3.51
		3.51	-0.12	3.18e-05	0.0	53.5	-2.13	-4.71	-0.22	0.02	-0.12	4.19
171	221	-3.28	0.14	-9.98e-05	-11.71	0.0	0.38	5.38	0.26	-0.02	-3.56e-03	-3.93
		-4.20	-3.56e-03	-2.16e-05	0.0	53.5	0.38	-6.33	0.26	-0.02	0.14	-4.20
171	224	4.08	4.29e-03	1.61e-04	-11.71	0.0	-1.77	8.17	-0.28	6.94e-03	4.29e-03	2.55
		2.55	-0.14	1.36e-05	0.0	53.5	-1.77	-3.54	-0.28	6.94e-03	-0.14	3.80
171	233	-4.76	0.13	-1.26e-04	-11.71	0.0	1.02	6.58	0.23	-0.04	3.60e-03	-5.72
		-5.72	3.60e-03	-6.43e-05	0.0	53.5	1.02	-5.13	0.23	-0.04	0.13	-5.38
171	236	5.47	-2.87e-03	1.87e-04	-11.71	0.0	-2.41	6.97	-0.24	0.03	-2.87e-03	4.34
		4.34	-0.13	5.63e-05	0.0	53.5	-2.41	-4.75	-0.24	0.03	-0.13	4.98
171	240	5.48	-2.11e-03	1.89e-04	-11.71	0.0	-2.40	7.04	-0.26	0.02	-2.11e-03	4.30
		4.30	-0.14	3.88e-05	0.0	53.5	-2.40	-4.67	-0.26	0.02	-0.14	5.01
171	248	0.06	8.10e-04	1.44e-05	-6.41	0.0	-0.36	3.86	-1.36e-03	-5.43e-03	8.10e-04	-0.56
		-0.56	6.53e-04	0.0	0.0	53.5	-0.36	-2.55	-1.36e-03	-5.43e-03	6.53e-04	-0.21
171	255	0.59	-2.13e-04	4.31e-05	-15.24	0.0	-0.96	8.73	-0.01	-4.52e-03	-2.13e-04	-0.74
		-0.74	-5.47e-03	-7.57e-06	0.0	53.5	-0.96	-6.51	-0.01	-4.52e-03	-5.47e-03	-0.15
171	256	0.58	-2.69e-04	4.47e-05	-15.24	0.0	-0.98	8.84	-0.01	-4.58e-03	-2.69e-04	-0.79
		-0.79	-5.89e-03	-7.99e-06	0.0	53.5	-0.98	-6.41	-0.01	-4.58e-03	-5.89e-03	-0.14
171	262	0.24	-8.55e-04	2.76e-05	-6.41	0.0	-0.60	4.05	-0.01	1.17e-03	-8.55e-04	-0.44
		-0.44	-8.81e-03	-7.38e-06	0.0	53.5	-0.60	-2.36	-0.01	1.17e-03	-8.81e-03	6.44e-03
171	268	0.38	3.97e-04	3.61e-05	-15.24	0.0	-0.90	8.83	-1.02e-03	-8.29e-03	6.10e-05	-0.99
		-0.99	6.10e-05	-4.65e-06	0.0	53.5	-0.90	-6.41	-1.02e-03	-8.29e-03	3.97e-04	-0.34
171	275	0.20	2.43e-03	2.57e-05	-12.59	0.0	-0.74	7.30	3.26e-03	-7.73e-03	-1.39e-04	-0.94
		-0.94	-1.39e-04	-3.06e-06	0.0	53.5	-0.74	-5.29	3.26e-03	-7.73e-03	2.43e-03	-0.40
171	298	0.40	3.83e-04	3.24e-05	-12.59	0.0	-0.74	7.25	-5.65e-03	-5.99e-03	3.83e-04	-0.72
		-0.72	-2.01e-03	-4.23e-06	0.0	53.5	-0.74	-5.34	-5.65e-03	-5.99e-03	-2.01e-03	-0.21
171	302	0.11	3.81e-04	1.75e-05	-6.41	0.0	-0.41	3.88	-4.73e-03	-3.66e-03	3.81e-04	-0.52
		-0.52	-1.76e-03	-2.14e-06	0.0	53.5	-0.41	-2.53	-4.73e-03	-3.66e-03	-1.76e-03	-0.16
171	303	0.34	4.75e-04	2.96e-05	-11.71	0.0	-0.68	6.77	-4.79e-03	-6.04e-03	4.75e-04	-0.70
		-0.70	-1.45e-03	-3.56e-06	0.0	53.5	-0.68	-4.94	-4.79e-03	-6.04e-03	-1.45e-03	-0.21
171	304	0.15	5.90e-05	1.98e-05	-6.41	0.0	-0.46	3.90	-7.26e-03	-2.33e-03	5.90e-05	-0.49
		-0.49	-3.57e-03	-3.46e-06	0.0	53.5	-0.46	-2.51	-7.26e-03	-2.33e-03	-3.57e-03	-0.12
171	307	0.32	2.63e-04	2.91e-05	-11.71	0.0	-0.70	6.78	-3.85e-03	-5.94e-03	2.63e-04	-0.73
		-0.73	-1.17e-03	-3.76e-06	0.0	53.5	-0.70	-4.93	-3.85e-03	-5.94e-03	-1.17e-03	-0.24
171	309	0.12	2.74e-04	1.83e-05	-6.41	0.0	-0.43	3.89	-5.57e-03	-3.21e-03	2.74e-04	-0.51
		-0.51	-2.36e-03	-2.58e-06	0.0	53.5	-0.43	-2.52	-5.57e-03	-3.21e-03	-2.36e-03	-0.14
171	310	0.36	3.68e-04	3.04e-05	-11.71	0.0	-0.69	6.77	-5.64e-03	-5.60e-03	3.68e-04	-0.69
		-0.69	-2.06e-03	-3.99e-06	0.0	53.5	-0.69	-4.94	-5.64e-03	-5.60e-03	-2.06e-03	-0.20
172	28	0.70	-3.32e-04	8.54e-05	-11.44	0.0	-1.63	6.17	0.01	-6.39e-03	-8.09e-03	-0.19
		-0.19	-8.09e-03	-1.24e-05	0.0	53.5	-1.63	-5.27	0.01	-6.39e-03	-3.32e-04	0.05
172	42	0.42	2.88e-03	5.45e-05	-4.69	0.0	-0.80	2.59	0.03	1.63e-03	-0.01	0.03
		0.03	-0.01	-1.20e-05	0.0	53.5	-0.80	-2.11	0.03	1.63e-03	2.88e-03	0.16
172	67	0.22	4.72e-03	4.73e-05	-9.41	0.0	-1.14	5.29	-0.01	-0.01	4.72e-03	-0.57
		-0.57	-4.86e-04	-3.62e-06	0.0	53.5	-1.14	-4.13	-0.01	-0.01	-4.86e-04	-0.26
172	69	-0.11	4.69e-03	9.58e-06	-3.08	0.0	-0.30	1.91	-8.56e-03	-6.62e-03	4.69e-03	-0.43
		-0.43	7.96e-04	0.0	0.0	53.5	-0.30	-1.18	-8.56e-03	-6.62e-03	7.96e-04	-0.23
172	71	0.14	5.44e-03	3.53e-05	-7.80	0.0	-0.92	4.40	-0.01	-0.01	5.44e-03	-0.52
		-0.52	4.33e-04	-2.48e-06	0.0	53.5	-0.92	-3.40	-0.01	-0.01	4.33e-04	-0.26
172	125	-2.50	0.11	-1.04e-04	-6.08	0.0	-0.86	4.08	-0.24	-0.02	0.11	-3.24
		-3.24	-0.02	-2.03e-05	0.0	53.5	-0.86	-2.00	-0.24	-0.02	-0.02	-2.68
172	128	3.13	0.01	1.84e-04	-6.08	0.0	-0.79	2.57	0.23	4.43e-03	-0.11	2.84
		2.59	-0.11	1.20e-05	0.0	53.5	-0.79	-3.51	0.23	4.43e-03	0.01	2.59
172	141	-3.07	0.10	-1.25e-04	-6.08	0.0	1.65	4.59	-0.16	-0.02	0.10	-4.00
		-4.00	0.02	-2.82e-05	0.0	53.5	1.65	-1.49	-0.16	-0.02	0.02	-3.17
172	142	2.59	-0.04	1.42e-04	-6.08	0.0	-3.81	2.31	0.03	4.73e-03	-0.05	2.35
		1.96	-0.05	1.40e-05	0.0	53.5	-3.81	-3.77	0.03	4.73e-03	-0.04	1.96
172	143	-1.92	0.05	-6.22e-05	-6.08	0.0	2.16	4.34	-0.03	-0.02	0.05	-2.75
		-2.75	0.03	-2.23e-05	0.0	53.5	2.16	-1.73	-0.03	-0.02	0.03	-2.05
172	144	3.79	-0.03	2.05e-04	-6.08	0.0	-3.30	2.06	0.15	8.44e-03	-0.10	3.60
		3.08	-0.10	1.99e-05	0.0	53.5	-3.30	-4.01	0.15	8.44e-03	-0.03	3.08
172	157	-2.85	0.12	-1.23e-04	-6.08	0.0	-0.86	4.18	-0.26	-0.02	0.12	-3.62
		-3.62	-0.02	-2.23e-05	0.0	53.5	-0.86	-1.90	-0.26	-0.02	-0.02	-3.01
172	160	3.49	0.01	2.02e-04	-6.08	0.0	-0.80	2.48	0.26	5.67e-03	-0.12	3.22
		2.92	-0.12	1.40e-05	0.0	53.5	-0.80	-3.60	0.26	5.67e-03	0.01	2.92
172	173	-3.50	0.11	-1.46e-04	-6.08	0.0	1.97	4.76	-0.18	-0.02	0.11	-4.50

		-4.50	0.02	-3.14e-05	0.0	53.5	1.97	-1.32	-0.18	-0.02	0.02	-3.58
172	174	2.90	-0.04	1.56e-04	-6.08	0.0	-4.20	2.18	0.03	6.07e-03	-0.06	2.69
		2.23	-0.06	1.65e-05	0.0	53.5	-4.20	-3.90	0.03	6.07e-03	-0.04	2.23
172	175	-2.21	0.06	-7.60e-05	-6.08	0.0	2.55	4.48	-0.04	-0.02	0.06	-3.09
		-3.09	0.04	-2.48e-05	0.0	53.5	2.55	-1.60	-0.04	-0.02	0.04	-2.32
172	176	4.26	-0.03	2.26e-04	-6.08	0.0	-3.62	1.90	0.17	0.01	-0.12	4.10
		3.49	-0.12	2.30e-05	0.0	53.5	-3.62	-4.18	0.17	0.01	-0.03	3.49
172	189	-2.85	0.12	-1.22e-04	-6.08	0.0	-0.81	4.18	-0.26	-0.02	0.12	-3.61
		-3.61	-0.02	-2.19e-05	0.0	53.5	-0.81	-1.90	-0.26	-0.02	-0.02	-3.00
172	192	3.48	0.01	2.02e-04	-6.08	0.0	-0.84	2.47	0.25	5.68e-03	-0.12	3.22
		2.91	-0.12	1.36e-05	0.0	53.5	-0.84	-3.61	0.25	5.68e-03	0.01	2.91
172	205	-3.58	0.12	-1.50e-04	-6.08	0.0	2.06	4.79	-0.18	-0.02	0.12	-4.59
		-4.59	0.02	-3.21e-05	0.0	53.5	2.06	-1.29	-0.18	-0.02	0.02	-3.65
172	206	3.01	-0.04	1.61e-04	-6.08	0.0	-4.27	2.14	0.04	6.48e-03	-0.06	2.81
		2.32	-0.06	1.76e-05	0.0	53.5	-4.27	-3.94	0.04	6.48e-03	-0.04	2.32
172	207	-2.31	0.06	-8.09e-05	-6.08	0.0	2.62	4.52	-0.04	-0.02	0.06	-3.20
		-3.20	0.04	-2.59e-05	0.0	53.5	2.62	-1.56	-0.04	-0.02	0.04	-2.41
172	208	4.34	-0.03	2.30e-04	-6.08	0.0	-3.71	1.86	0.17	0.01	-0.12	4.19
		3.56	-0.12	2.38e-05	0.0	53.5	-3.71	-4.21	0.17	0.01	-0.03	3.56
172	221	-3.38	0.14	-1.50e-04	-6.08	0.0	-0.78	4.33	-0.30	-0.02	0.14	-4.20
		-4.20	-0.02	-2.48e-05	0.0	53.5	-0.78	-1.74	-0.30	-0.02	-0.02	-3.51
172	224	4.04	0.01	2.30e-04	-6.08	0.0	-0.87	2.32	0.30	7.59e-03	-0.14	3.80
		3.42	-0.14	1.65e-05	0.0	53.5	-0.87	-3.76	0.30	7.59e-03	0.01	3.42
172	237	-4.28	0.14	-1.85e-04	-6.08	0.0	2.62	5.07	-0.21	-0.02	0.14	-5.41
		-5.41	0.03	-3.75e-05	0.0	53.5	2.62	-1.01	-0.21	-0.02	0.03	-4.32
172	238	3.56	-0.05	1.85e-04	-6.08	0.0	-4.92	1.91	0.05	8.79e-03	-0.08	3.40
		2.79	-0.08	2.21e-05	0.0	53.5	-4.92	-4.17	0.05	8.79e-03	-0.05	2.79
172	239	-2.81	0.07	-1.05e-04	-6.08	0.0	3.27	4.75	-0.05	-0.02	0.07	-3.80
		-3.80	0.05	-3.04e-05	0.0	53.5	3.27	-1.33	-0.05	-0.02	0.05	-2.88
172	240	5.12	-0.03	2.65e-04	-6.08	0.0	-4.27	1.59	0.20	0.01	-0.14	5.01
		4.23	-0.14	2.92e-05	0.0	53.5	-4.27	-4.49	0.20	0.01	-0.03	4.23
172	256	0.47	-5.90e-04	5.88e-05	-7.87	0.0	-1.12	4.26	9.03e-03	-4.51e-03	-5.67e-03	-0.14
		-0.14	-5.67e-03	-8.54e-06	0.0	53.5	-1.12	-3.62	9.03e-03	-4.51e-03	-5.90e-04	0.03
172	262	0.28	1.55e-03	3.82e-05	-3.38	0.0	-0.57	1.87	0.02	8.39e-04	-8.89e-03	6.44e-03
		6.44e-03	-8.89e-03	-8.29e-06	0.0	53.5	-0.57	-1.51	0.02	8.39e-04	1.55e-03	0.10
172	273	-0.01	2.37e-03	1.63e-05	-3.38	0.0	-0.38	2.01	-6.28e-03	-5.61e-03	2.37e-03	-0.33
		-0.33	-4.52e-04	-1.10e-06	0.0	53.5	-0.38	-1.37	-6.28e-03	-5.61e-03	-4.52e-04	-0.16
172	275	0.15	2.87e-03	3.34e-05	-6.53	0.0	-0.80	3.67	-8.10e-03	-8.22e-03	2.87e-03	-0.40
		-0.40	-6.93e-04	-2.68e-06	0.0	53.5	-0.80	-2.86	-8.10e-03	-8.22e-03	-6.93e-04	-0.18
172	298	0.31	-1.70e-03	4.24e-05	-6.53	0.0	-0.88	3.56	-3.50e-03	-5.70e-03	-1.70e-03	-0.21
		-0.21	-3.14e-03	-4.38e-06	0.0	53.5	-0.88	-2.96	-3.50e-03	-5.70e-03	-3.14e-03	-0.05
172	303	0.27	-1.15e-03	3.89e-05	-6.08	0.0	-0.82	3.33	-5.34e-03	-5.73e-03	-1.15e-03	-0.21
		-0.21	-3.55e-03	-3.65e-06	0.0	53.5	-0.82	-2.75	-5.34e-03	-5.73e-03	-3.55e-03	-0.06
172	305	0.31	-2.20e-03	4.19e-05	-6.08	0.0	-0.84	3.32	9.64e-04	-4.52e-03	-3.03e-03	-0.17
		-0.17	-3.03e-03	-5.16e-06	0.0	53.5	-0.84	-2.76	9.64e-04	-4.52e-03	-2.20e-03	-0.02
172	306	0.11	-1.29e-03	2.34e-05	-3.38	0.0	-0.45	1.92	-2.59e-03	-3.59e-03	-1.29e-03	-0.18
		-0.18	-2.41e-03	-2.46e-06	0.0	53.5	-0.45	-1.46	-2.59e-03	-3.59e-03	-2.41e-03	-0.06
172	307	0.26	-8.59e-04	3.81e-05	-6.08	0.0	-0.81	3.35	-4.16e-03	-5.83e-03	-8.59e-04	-0.24
		-0.24	-2.61e-03	-3.82e-06	0.0	53.5	-0.81	-2.73	-4.16e-03	-5.83e-03	-2.61e-03	-0.07
172	309	0.14	-2.20e-03	2.52e-05	-3.38	0.0	-0.47	1.90	-1.67e-03	-3.09e-03	-2.20e-03	-0.14
		-0.14	-2.90e-03	-2.79e-06	0.0	53.5	-0.47	-1.48	-1.67e-03	-3.09e-03	-2.90e-03	-0.03
172	310	0.29	-1.77e-03	3.99e-05	-6.08	0.0	-0.83	3.33	-3.24e-03	-5.33e-03	-1.77e-03	-0.20
		-0.20	-3.10e-03	-4.16e-06	0.0	53.5	-0.83	-2.75	-3.24e-03	-5.33e-03	-3.10e-03	-0.05
173	19	0.14	-6.10e-03	1.69e-05	-3.08	0.0	0.20	1.74	-0.03	0.0	-6.10e-03	-0.12
		-0.12	-0.02	0.0	0.0	53.5	0.20	-1.35	-0.03	0.0	-0.02	-0.02
173	28	0.83	0.03	9.55e-05	-11.44	0.0	0.13	5.77	0.06	1.98e-06	-4.80e-04	0.05
		0.05	-4.80e-04	-1.25e-05	0.0	53.5	0.13	-5.66	0.06	1.98e-06	0.03	0.08
173	44	0.75	0.05	9.08e-05	-9.41	0.0	0.11	4.64	0.09	1.67e-06	2.04e-03	0.13
		0.10	2.04e-03	-1.42e-05	0.0	53.5	0.11	-4.77	0.09	1.67e-06	0.05	0.10
173	47	0.63	0.05	7.14e-05	-7.80	0.0	-0.02	3.85	0.08	1.34e-06	3.16e-03	0.12
		0.09	3.16e-03	-1.23e-05	0.0	53.5	-0.02	-3.95	0.08	1.34e-06	0.05	0.09
173	57	0.28	4.08e-03	4.05e-05	-4.69	0.0	0.39	2.62	0.01	1.02e-06	-1.49e-03	-0.12
		-0.12	-1.49e-03	-3.78e-06	0.0	53.5	0.39	-2.07	0.01	1.02e-06	4.08e-03	0.03
173	67	0.53	5.42e-03	4.96e-05	-9.41	0.0	0.21	5.29	8.91e-03	1.75e-06	6.49e-04	-0.26
		-0.26	6.49e-04	-3.59e-06	0.0	53.5	0.21	-4.12	8.91e-03	1.75e-06	5.42e-03	0.05
173	130	1.88	4.85e-03	1.92e-04	-6.08	0.0	-0.53	-1.13	0.11	0.0	-0.05	1.88
		-0.39	-0.05	8.94e-05	0.0	53.5	-0.53	-7.21	0.11	0.0	4.85e-03	-0.39
173	131	0.44	0.05	-1.04e-04	-6.08	0.0	0.77	7.47	-0.09	1.98e-06	0.05	-1.97
		-1.97	2.12e-03	-9.84e-05	0.0	53.5	0.77	1.39	-0.09	1.98e-06	2.12e-03	0.44
173	137	0.31	0.02	-1.95e-04	-6.08	0.0	0.97	9.49	-0.06	2.11e-06	0.02	-3.12
		-3.12	-0.02	-3.80e-05	0.0	53.5	0.97	3.41	-0.06	2.11e-06	-0.02	0.31
173	140	3.03	0.03	2.84e-04	-6.08	0.0	-0.74	-3.15	0.09	0.0	-0.02	3.03
		-0.26	-0.02	2.91e-05	0.0	53.5	-0.74	-9.23	0.09	0.0	0.03	-0.26
173	141	0.30	0.02	-2.00e-04	-6.08	0.0	0.89	9.52	-0.07	2.04e-06	0.02	-3.17
		-3.17	-0.02	-2.51e-05	0.0	53.5	0.89	3.44	-0.07	2.04e-06	-0.02	0.30

173	144	3.08	0.02	2.88e-04	-6.08	0.0	-0.65	-3.18	0.09	0.0	-0.03	3.08
		-0.25	-0.03	1.61e-05	0.0	53.5	-0.65	-9.26	0.09	0.0	0.02	-0.25
173	162	2.13	5.09e-03	2.12e-04	-6.08	0.0	-0.62	-1.71	0.12	0.0	-0.06	2.13
		-0.44	-0.06	1.02e-04	0.0	53.5	-0.62	-7.79	0.12	0.0	5.09e-03	-0.44
173	163	0.49	0.05	-1.24e-04	-6.08	0.0	0.85	8.05	-0.10	2.10e-06	0.05	-2.22
		-2.22	1.88e-03	-1.11e-04	0.0	53.5	0.85	1.97	-0.10	2.10e-06	1.88e-03	0.49
173	169	0.35	0.02	-2.27e-04	-6.08	0.0	1.09	10.32	-0.07	2.25e-06	0.02	-3.53
		-3.53	-0.02	-4.25e-05	0.0	53.5	1.09	4.24	-0.07	2.25e-06	-0.02	0.35
173	172	3.44	0.03	3.15e-04	-6.08	0.0	-0.85	-3.98	0.10	0.0	-0.03	3.44
		-0.30	-0.03	3.35e-05	0.0	53.5	-0.85	-10.06	0.10	0.0	0.03	-0.30
173	173	0.33	0.02	-2.31e-04	-6.08	0.0	0.99	10.35	-0.08	2.17e-06	0.02	-3.58
		-3.58	-0.02	-2.78e-05	0.0	53.5	0.99	4.27	-0.08	2.17e-06	-0.02	0.33
173	176	3.49	0.03	3.20e-04	-6.08	0.0	-0.75	-4.01	0.10	0.0	-0.03	3.49
		-0.29	-0.03	1.89e-05	0.0	53.5	-0.75	-10.08	0.10	0.0	0.03	-0.29
173	194	2.24	5.48e-03	2.21e-04	-6.08	0.0	-0.64	-1.94	0.13	0.0	-0.06	2.24
		-0.45	-0.06	1.06e-04	0.0	53.5	-0.64	-8.01	0.13	0.0	5.48e-03	-0.45
173	195	0.50	0.06	-1.32e-04	-6.08	0.0	0.88	8.28	-0.10	2.14e-06	0.06	-2.33
		-2.33	1.49e-03	-1.15e-04	0.0	53.5	0.88	2.20	-0.10	2.14e-06	1.49e-03	0.50
173	201	0.36	0.02	-2.33e-04	-6.08	0.0	1.11	10.50	-0.07	2.28e-06	0.02	-3.61
		-3.61	-0.02	-4.38e-05	0.0	53.5	1.11	4.43	-0.07	2.28e-06	-0.02	0.36
173	204	3.52	0.03	3.22e-04	-6.08	0.0	-0.88	-4.16	0.10	0.0	-0.03	3.52
		-0.31	-0.03	3.49e-05	0.0	53.5	-0.88	-10.24	0.10	0.0	0.03	-0.31
173	205	0.35	0.02	-2.37e-04	-6.08	0.0	1.01	10.50	-0.08	2.20e-06	0.02	-3.65
		-3.65	-0.02	-2.85e-05	0.0	53.5	1.01	4.43	-0.08	2.20e-06	-0.02	0.35
173	208	3.56	0.03	3.25e-04	-6.08	0.0	-0.78	-4.17	0.11	0.0	-0.03	3.56
		-0.30	-0.03	1.95e-05	0.0	53.5	-0.78	-10.24	0.11	0.0	0.03	-0.30
173	226	2.73	6.17e-03	2.58e-04	-6.08	0.0	-0.80	-3.02	0.15	0.0	-0.07	2.73
		-0.55	-0.07	1.29e-04	0.0	53.5	-0.80	-9.09	0.15	0.0	6.17e-03	-0.55
173	227	0.60	0.07	-1.70e-04	-6.08	0.0	1.04	9.35	-0.13	2.37e-06	0.07	-2.82
		-2.82	8.02e-04	-1.38e-04	0.0	53.5	1.04	3.28	-0.13	2.37e-06	8.02e-04	0.60
173	233	0.42	0.03	-2.86e-04	-6.08	0.0	1.30	11.89	-0.09	2.52e-06	0.03	-4.28
		-4.28	-0.03	-5.17e-05	0.0	53.5	1.30	5.82	-0.09	2.52e-06	-0.03	0.42
173	236	4.19	0.03	3.74e-04	-6.08	0.0	-1.07	-5.55	0.11	0.0	-0.03	4.19
		-0.37	-0.03	4.28e-05	0.0	53.5	-1.07	-11.63	0.11	0.0	0.03	-0.37
173	237	0.41	0.03	-2.89e-04	-6.08	0.0	1.18	11.88	-0.10	2.42e-06	0.03	-4.32
		-4.32	-0.02	-3.31e-05	0.0	53.5	1.18	5.80	-0.10	2.42e-06	-0.02	0.41
173	240	4.23	0.03	3.78e-04	-6.08	0.0	-0.95	-5.54	0.12	0.0	-0.04	4.23
		-0.36	-0.04	2.42e-05	0.0	53.5	-0.95	-11.61	0.12	0.0	0.03	-0.36
173	248	0.18	-5.08e-03	2.24e-05	-3.38	0.0	0.19	1.85	-0.01	0.0	-5.08e-03	-0.09
		-0.09	-0.01	0.0	0.0	53.5	0.19	-1.53	-0.01	0.0	-0.01	-4.79e-03
173	256	0.57	0.02	6.58e-05	-7.87	0.0	0.10	3.99	0.04	1.37e-06	-7.07e-04	0.03
		0.03	-7.07e-04	-8.63e-06	0.0	53.5	0.10	-3.89	0.04	1.37e-06	0.02	0.06
173	263	0.51	0.03	5.87e-05	-6.53	0.0	0.04	3.25	0.06	1.13e-06	1.09e-03	0.07
		0.07	1.09e-03	-9.32e-06	0.0	53.5	0.04	-3.27	0.06	1.13e-06	0.03	0.07
173	264	0.51	0.03	6.26e-05	-6.53	0.0	0.09	3.23	0.06	1.16e-06	9.75e-04	0.08
		0.07	9.75e-04	-9.78e-06	0.0	53.5	0.09	-3.30	0.06	1.16e-06	0.03	0.07
173	269	0.20	2.93e-03	2.91e-05	-3.38	0.0	0.28	1.88	8.05e-03	0.0	-1.38e-03	-0.08
		-0.08	-1.38e-03	-2.83e-06	0.0	53.5	0.28	-1.50	8.05e-03	0.0	2.93e-03	0.02
173	275	0.37	3.82e-03	3.52e-05	-6.53	0.0	0.16	3.67	7.05e-03	1.21e-06	4.58e-05	-0.18
		-0.18	4.58e-05	-2.71e-06	0.0	53.5	0.16	-2.86	7.05e-03	1.21e-06	3.82e-03	0.03
173	298	0.43	3.67e-03	4.68e-05	-6.53	0.0	0.11	3.40	0.01	1.12e-06	-3.06e-03	-0.05
		-0.05	-3.06e-03	-4.71e-06	0.0	53.5	0.11	-3.13	0.01	1.12e-06	3.67e-03	0.03
173	299	0.22	2.47e-03	2.99e-05	-3.38	0.0	0.17	1.76	0.01	0.0	-3.05e-03	-0.02
		-0.02	-3.05e-03	-3.30e-06	0.0	53.5	0.17	-1.62	0.01	0.0	2.47e-03	0.02
173	303	0.39	5.26e-04	4.30e-05	-6.08	0.0	0.12	3.18	7.46e-03	1.04e-06	-3.47e-03	-0.06
		-0.06	-3.47e-03	-4.02e-06	0.0	53.5	0.12	-2.89	7.46e-03	1.04e-06	5.26e-04	0.02
173	305	0.41	9.40e-03	4.66e-05	-6.08	0.0	0.10	3.14	0.02	1.05e-06	-2.22e-03	-0.02
		-0.02	-2.22e-03	-5.41e-06	0.0	53.5	0.10	-2.94	0.02	1.05e-06	9.40e-03	0.03
173	307	0.38	3.51e-03	4.19e-05	-6.08	0.0	0.13	3.22	0.01	1.06e-06	-2.43e-03	-0.07
		-0.07	-2.43e-03	-4.08e-06	0.0	53.5	0.13	-2.86	0.01	1.06e-06	3.51e-03	0.03
173	309	0.22	2.38e-03	2.83e-05	-3.38	0.0	0.15	1.77	0.01	0.0	-3.01e-03	-0.03
		-0.03	-3.01e-03	-3.11e-06	0.0	53.5	0.15	-1.61	0.01	0.0	2.38e-03	0.02
173	310	0.40	3.48e-03	4.42e-05	-6.08	0.0	0.12	3.17	0.01	1.04e-06	-3.05e-03	-0.05
		-0.05	-3.05e-03	-4.48e-06	0.0	53.5	0.12	-2.91	0.01	1.04e-06	3.48e-03	0.02
174	3	0.35	0.0	-4.64e-05	-11.42	0.0	0.60	3.78	-0.09	0.0	0.0	0.0
		-1.07	-0.05	9.74e-06	0.0	55.3	0.60	-7.64	-0.09	0.0	-0.05	-1.07
174	4	0.32	0.0	-4.84e-05	-11.42	0.0	0.61	3.64	-0.10	0.0	0.0	0.0
		-1.14	-0.06	1.04e-05	0.0	55.3	0.61	-7.77	-0.10	0.0	-0.06	-1.14
174	44	0.04	0.0	-1.27e-05	-9.40	0.0	0.16	1.10	-0.15	0.0	0.0	0.0
		-1.99	-0.08	9.65e-06	0.0	55.3	0.16	-8.30	-0.15	0.0	-0.08	-1.99
174	45	0.0	0.0	2.00e-05	-3.08	0.0	-0.13	-0.76	-0.09	0.0	0.0	0.0
		-1.27	-0.05	4.02e-06	0.0	55.3	-0.13	-3.84	-0.09	0.0	-0.05	-1.27
174	67	0.21	0.0	-3.36e-05	-9.40	0.0	0.47	2.70	-0.09	0.0	0.0	0.0
		-1.11	-0.05	9.17e-06	0.0	55.3	0.47	-6.70	-0.09	0.0	-0.05	-1.11
174	122	5.33	0.19	-2.79e-04	-6.07	0.0	2.09	12.67	0.34	0.0	0.0	0.0

		0.0	0.0	1.46e-06	0.0	55.3	2.09	6.60	0.34	0.0	0.19	5.33
174	123	0.0	0.0	2.38e-04	-6.07	0.0	-1.53	-9.33	-0.46	0.0	0.0	0.0
		-6.84	-0.26	9.87e-06	0.0	55.3	-1.53	-15.40	-0.46	0.0	-0.26	-6.84
174	125	4.48	0.13	-2.45e-04	-6.07	0.0	2.30	11.13	0.24	0.0	0.0	0.0
		0.0	0.0	-2.25e-05	0.0	55.3	2.30	5.06	0.24	0.0	0.13	4.48
174	128	0.0	0.0	2.04e-04	-6.07	0.0	-1.74	-7.79	-0.37	0.0	0.0	0.0
		-5.99	-0.20	3.38e-05	0.0	55.3	-1.74	-13.86	-0.37	0.0	-0.20	-5.99
174	154	6.09	0.22	-3.11e-04	-6.07	0.0	2.31	14.04	0.39	0.0	0.0	0.0
		0.0	0.0	1.26e-06	0.0	55.3	2.31	7.97	0.39	0.0	0.22	6.09
174	155	0.0	0.0	2.71e-04	-6.07	0.0	-1.75	-10.70	-0.51	0.0	0.0	0.0
		-7.60	-0.28	1.01e-05	0.0	55.3	-1.75	-16.77	-0.51	0.0	-0.28	-7.60
174	157	5.13	0.16	-2.72e-04	-6.07	0.0	2.55	12.31	0.28	0.0	0.0	0.0
		0.0	0.0	-2.59e-05	0.0	55.3	2.55	6.24	0.28	0.0	0.16	5.13
174	160	0.0	0.0	2.32e-04	-6.07	0.0	-1.99	-8.97	-0.40	0.0	0.0	0.0
		-6.64	-0.22	3.73e-05	0.0	55.3	-1.99	-15.04	-0.40	0.0	-0.22	-6.64
174	186	5.99	0.21	-3.07e-04	-6.07	0.0	2.28	13.87	0.38	0.0	0.0	0.0
		0.0	0.0	3.65e-06	0.0	55.3	2.28	7.80	0.38	0.0	0.21	5.99
174	187	0.0	0.0	2.66e-04	-6.07	0.0	-1.72	-10.53	-0.50	0.0	0.0	0.0
		-7.50	-0.28	7.79e-06	0.0	55.3	-1.72	-16.60	-0.50	0.0	-0.28	-7.50
174	189	5.04	0.15	-2.69e-04	-6.07	0.0	2.51	12.15	0.27	0.0	0.0	0.0
		0.0	0.0	-2.49e-05	0.0	55.3	2.51	6.08	0.27	0.0	0.15	5.04
174	192	0.0	0.0	2.28e-04	-6.07	0.0	-1.95	-8.81	-0.39	0.0	0.0	0.0
		-6.56	-0.22	3.63e-05	0.0	55.3	-1.95	-14.88	-0.39	0.0	-0.22	-6.56
174	218	7.11	0.25	-3.54e-04	-6.07	0.0	2.61	15.88	0.46	0.0	0.0	0.0
		0.0	0.0	4.89e-06	0.0	55.3	2.61	9.81	0.46	0.0	0.25	7.11
174	219	0.0	0.0	3.14e-04	-6.07	0.0	-2.05	-12.54	-0.58	0.0	0.0	0.0
		-8.62	-0.32	6.89e-06	0.0	55.3	-2.05	-18.61	-0.58	0.0	-0.32	-8.62
174	221	5.99	0.18	-3.09e-04	-6.07	0.0	2.88	13.85	0.32	0.0	0.0	0.0
		0.0	0.0	-2.97e-05	0.0	55.3	2.88	7.79	0.32	0.0	0.18	5.99
174	224	0.0	0.0	2.69e-04	-6.07	0.0	-2.32	-10.51	-0.45	0.0	0.0	0.0
		-7.50	-0.25	4.10e-05	0.0	55.3	-2.32	-16.58	-0.45	0.0	-0.25	-7.50
174	243	0.23	0.0	-3.21e-05	-7.86	0.0	0.41	2.56	-0.07	0.0	0.0	0.0
		-0.76	-0.04	6.80e-06	0.0	55.3	0.41	-5.30	-0.07	0.0	-0.04	-0.76
174	244	0.22	0.0	-3.35e-05	-7.86	0.0	0.42	2.47	-0.07	0.0	0.0	0.0
		-0.81	-0.04	7.23e-06	0.0	55.3	0.42	-5.39	-0.07	0.0	-0.04	-0.81
174	261	0.0	0.0	7.99e-06	-3.38	0.0	-0.02	-0.19	-0.07	0.0	0.0	0.0
		-1.04	-0.04	4.14e-06	0.0	55.3	-0.02	-3.57	-0.07	0.0	-0.04	-1.04
174	264	0.03	0.0	-9.40e-06	-6.52	0.0	0.12	0.78	-0.10	0.0	0.0	0.0
		-1.37	-0.06	6.74e-06	0.0	55.3	0.12	-5.74	-0.10	0.0	-0.06	-1.37
174	275	0.14	0.0	-2.36e-05	-6.52	0.0	0.32	1.84	-0.07	0.0	0.0	0.0
		-0.78	-0.04	6.42e-06	0.0	55.3	0.32	-4.68	-0.07	0.0	-0.04	-0.78
174	298	0.14	0.0	-2.30e-05	-6.52	0.0	0.30	1.82	-0.07	0.0	0.0	0.0
		-0.80	-0.04	5.97e-06	0.0	55.3	0.30	-4.70	-0.07	0.0	-0.04	-0.80
174	303	0.14	0.0	-2.35e-05	-6.07	0.0	0.30	1.77	-0.06	0.0	0.0	0.0
		-0.70	-0.03	5.63e-06	0.0	55.3	0.30	-4.30	-0.06	0.0	-0.03	-0.70
174	304	0.03	0.0	-1.07e-05	-3.38	0.0	0.13	0.57	-0.05	0.0	0.0	0.0
		-0.62	-0.03	3.87e-06	0.0	55.3	0.13	-2.81	-0.05	0.0	-0.03	-0.62
174	305	0.10	0.0	-1.83e-05	-6.07	0.0	0.24	1.48	-0.07	0.0	0.0	0.0
		-0.86	-0.04	5.73e-06	0.0	55.3	0.24	-4.59	-0.07	0.0	-0.04	-0.86
174	307	0.13	0.0	-2.19e-05	-6.07	0.0	0.28	1.67	-0.06	0.0	0.0	0.0
		-0.75	-0.03	5.75e-06	0.0	55.3	0.28	-4.40	-0.06	0.0	-0.03	-0.75
174	309	0.05	0.0	-1.43e-05	-3.38	0.0	0.17	0.76	-0.04	0.0	0.0	0.0
		-0.52	-0.02	3.80e-06	0.0	55.3	0.17	-2.62	-0.04	0.0	-0.02	-0.52
174	310	0.13	0.0	-2.17e-05	-6.07	0.0	0.28	1.67	-0.06	0.0	0.0	0.0
		-0.76	-0.03	5.66e-06	0.0	55.3	0.28	-4.40	-0.06	0.0	-0.03	-0.76
175	4	-1.12	-5.62e-03	-2.92e-05	-11.42	0.0	0.59	1.00	0.09	0.0	-0.06	-1.14
		-3.75	-0.06	3.92e-06	0.0	55.3	0.59	-10.42	0.09	0.0	-5.62e-03	-3.75
175	19	-0.09	-1.26e-03	-1.37e-05	-3.08	0.0	0.31	-0.07	0.01	0.0	-7.08e-03	-0.09
		-0.98	-7.08e-03	2.43e-06	0.0	55.3	0.31	-3.15	0.01	0.0	-1.26e-03	-0.98
175	28	-1.84	-6.82e-03	-2.10e-05	-11.42	0.0	0.33	0.85	0.13	0.0	-0.08	-1.85
		-4.54	-0.08	1.59e-06	0.0	55.3	0.33	-10.57	0.13	0.0	-6.82e-03	-4.54
175	44	-1.99	-6.52e-03	-1.36e-05	-9.40	0.0	0.15	0.37	0.14	0.0	-0.08	-1.99
		-4.39	-0.08	0.0	0.0	55.3	0.15	-9.03	0.14	0.0	-6.52e-03	-4.39
175	45	-1.27	-3.25e-03	4.94e-06	-3.08	0.0	-0.12	-0.32	0.08	0.0	-0.05	-1.27
		-2.30	-0.05	-1.47e-06	0.0	55.3	-0.12	-3.40	0.08	0.0	-3.25e-03	-2.30
175	122	5.37	0.19	-1.04e-04	-6.07	0.0	2.14	1.00	-0.33	0.0	0.19	5.33
		4.19	3.90e-03	1.94e-05	0.0	55.3	2.14	-5.07	-0.33	0.0	3.90e-03	4.19
175	123	-6.84	-0.01	8.08e-05	-6.07	0.0	-1.60	-0.16	0.44	0.0	-0.26	-6.84
		-8.59	-0.26	-1.60e-05	0.0	55.3	-1.60	-6.23	0.44	0.0	-0.01	-8.59
175	154	6.14	0.22	-1.15e-04	-6.07	0.0	2.38	1.08	-0.38	0.0	0.22	6.09
		4.99	4.77e-03	2.19e-05	0.0	55.3	2.38	-4.99	-0.38	0.0	4.77e-03	4.99
175	155	-7.60	-0.01	9.23e-05	-6.07	0.0	-1.83	-0.23	0.49	0.0	-0.28	-7.60
		-9.39	-0.28	-1.85e-05	0.0	55.3	-1.83	-6.30	0.49	0.0	-0.01	-9.39
175	186	6.04	0.21	-1.14e-04	-6.07	0.0	2.34	1.07	-0.37	0.0	0.21	5.99
		4.89	4.54e-03	2.35e-05	0.0	55.3	2.34	-5.00	-0.37	0.0	4.54e-03	4.89

175	187	-7.50	-0.01	9.08e-05	-6.07	0.0	-1.80	-0.22	0.48	0.0	-0.28	-7.50
		-9.29	-0.28	-2.01e-05	0.0	55.3	-1.80	-6.29	0.48	0.0	-0.01	-9.29
175	218	7.17	0.25	-1.31e-04	-6.07	0.0	2.68	1.18	-0.44	0.0	0.25	7.11
		6.06	5.74e-03	2.85e-05	0.0	55.3	2.68	-4.89	-0.44	0.0	5.74e-03	6.06
175	219	-8.62	-0.01	1.08e-04	-6.07	0.0	-2.14	-0.33	0.56	0.0	-0.32	-8.62
		-10.46	-0.32	-2.50e-05	0.0	55.3	-2.14	-6.40	0.56	0.0	-0.01	-10.46
175	244	-0.79	-3.92e-03	-2.02e-05	-7.86	0.0	0.41	0.63	0.06	0.0	-0.04	-0.81
		-2.63	-0.04	2.71e-06	0.0	55.3	0.41	-7.23	0.06	0.0	-3.92e-03	-2.63
175	248	-0.25	-1.65e-03	-1.24e-05	-3.38	0.0	0.28	-0.07	0.02	0.0	-0.01	-0.25
		-1.23	-0.01	2.09e-06	0.0	55.3	0.28	-3.45	0.02	0.0	-1.65e-03	-1.23
175	256	-1.27	-4.71e-03	-1.47e-05	-7.86	0.0	0.24	0.53	0.09	0.0	-0.05	-1.28
		-3.16	-0.05	1.16e-06	0.0	55.3	0.24	-7.33	0.09	0.0	-4.71e-03	-3.16
175	261	-1.04	-2.98e-03	-3.10e-06	-3.38	0.0	-9.67e-03	-0.23	0.07	0.0	-0.04	-1.04
		-2.11	-0.04	0.0	0.0	55.3	-9.67e-03	-3.61	0.07	0.0	-2.98e-03	-2.11
175	264	-1.37	-4.52e-03	-9.74e-06	-6.52	0.0	0.11	0.21	0.09	0.0	-0.06	-1.37
		-3.06	-0.06	0.0	0.0	55.3	0.11	-6.31	0.09	0.0	-4.52e-03	-3.06
175	302	-0.46	-2.00e-03	-9.52e-06	-3.38	0.0	0.20	-0.12	0.03	0.0	-0.02	-0.46
		-1.46	-0.02	1.39e-06	0.0	55.3	0.20	-3.50	0.03	0.0	-2.00e-03	-1.46
175	303	-0.69	-3.10e-03	-1.48e-05	-6.07	0.0	0.29	0.44	0.05	0.0	-0.03	-0.70
		-2.14	-0.03	1.88e-06	0.0	55.3	0.29	-5.63	0.05	0.0	-3.10e-03	-2.14
175	304	-0.62	-2.27e-03	-7.53e-06	-3.38	0.0	0.14	-0.15	0.04	0.0	-0.03	-0.62
		-1.64	-0.03	0.0	0.0	55.3	0.14	-3.53	0.04	0.0	-2.27e-03	-1.64
175	305	-0.85	-3.37e-03	-1.29e-05	-6.07	0.0	0.23	0.40	0.06	0.0	-0.04	-0.86
		-2.32	-0.04	1.36e-06	0.0	55.3	0.23	-5.67	0.06	0.0	-3.37e-03	-2.32
175	309	-0.52	-2.09e-03	-8.85e-06	-3.38	0.0	0.18	-0.13	0.04	0.0	-0.02	-0.52
		-1.52	-0.02	1.22e-06	0.0	55.3	0.18	-3.51	0.04	0.0	-2.09e-03	-1.52
175	310	-0.75	-3.19e-03	-1.42e-05	-6.07	0.0	0.27	0.42	0.06	0.0	-0.03	-0.76
		-2.20	-0.03	1.71e-06	0.0	55.3	0.27	-5.65	0.06	0.0	-3.19e-03	-2.20
176	18	-3.06	-4.53e-03	-4.17e-05	-9.40	0.0	1.00	-0.08	-6.62e-03	0.0	-4.53e-03	-3.06
		-5.71	-8.19e-03	3.64e-06	0.0	55.3	1.00	-9.48	-6.62e-03	0.0	-8.19e-03	-5.71
176	19	-0.98	-1.26e-03	-1.72e-05	-3.08	0.0	0.56	-0.47	-2.36e-03	0.0	-1.26e-03	-0.98
		-2.09	-2.57e-03	2.30e-06	0.0	55.3	0.56	-3.56	-2.36e-03	0.0	-2.57e-03	-2.09
176	28	-4.54	-6.82e-03	-4.65e-05	-11.42	0.0	0.50	0.44	-7.96e-03	0.0	-6.82e-03	-4.54
		-7.46	-0.01	0.0	0.0	55.3	0.50	-10.97	-7.96e-03	0.0	-0.01	-7.46
176	45	-2.30	-3.25e-03	-1.57e-05	-3.08	0.0	-0.27	-0.24	-2.75e-03	0.0	-3.25e-03	-2.30
		-3.28	-4.77e-03	-1.76e-06	0.0	55.3	-0.27	-3.32	-2.75e-03	0.0	-4.77e-03	-3.28
176	122	4.19	3.90e-03	-3.29e-05	-6.07	0.0	4.14	-2.02	-8.43e-03	0.0	3.90e-03	4.19
		1.42	-1.72e-03	1.97e-05	0.0	55.3	4.14	-8.09	-8.43e-03	0.0	-1.72e-03	1.42
176	123	-8.38	-9.22e-03	-1.99e-05	-6.07	0.0	-3.24	2.20	2.04e-04	0.0	-0.01	-8.59
		-9.08	-0.01	-1.69e-05	0.0	55.3	-3.24	-3.87	2.04e-04	0.0	-9.22e-03	-9.08
176	141	-1.47	0.01	-3.11e-05	-6.07	0.0	1.89	-0.85	0.02	0.0	5.78e-03	-1.47
		-3.44	5.78e-03	-2.60e-05	0.0	55.3	1.89	-6.92	0.02	0.0	0.01	-3.44
176	144	-2.91	-0.01	-2.03e-05	-6.07	0.0	-0.99	1.02	-0.02	0.0	-0.01	-2.93
		-4.22	-0.03	2.88e-05	0.0	55.3	-0.99	-5.05	-0.02	0.0	-0.03	-4.22
176	154	4.99	4.77e-03	-3.40e-05	-6.07	0.0	4.60	-2.28	-9.02e-03	0.0	4.77e-03	4.99
		2.07	-1.30e-03	2.23e-05	0.0	55.3	4.60	-8.35	-9.02e-03	0.0	-1.30e-03	2.07
176	155	-9.12	-9.64e-03	-1.92e-05	-6.07	0.0	-3.69	2.46	7.91e-04	0.0	-0.01	-9.39
		-9.73	-0.01	-1.95e-05	0.0	55.3	-3.69	-3.61	7.91e-04	0.0	-9.64e-03	-9.73
176	173	-1.38	0.02	-3.18e-05	-6.07	0.0	2.06	-0.96	0.02	0.0	6.94e-03	-1.38
		-3.40	6.94e-03	-2.96e-05	0.0	55.3	2.06	-7.03	0.02	0.0	0.02	-3.40
176	176	-2.99	-0.01	-1.97e-05	-6.07	0.0	-1.16	1.14	-0.03	0.0	-0.01	-3.02
		-4.26	-0.03	3.24e-05	0.0	55.3	-1.16	-4.93	-0.03	0.0	-0.03	-4.26
176	186	4.89	4.54e-03	-3.38e-05	-6.07	0.0	4.53	-2.24	-9.29e-03	0.0	4.54e-03	4.89
		2.00	-1.66e-03	2.38e-05	0.0	55.3	4.53	-8.31	-9.29e-03	0.0	-1.66e-03	2.00
176	187	-9.03	-9.28e-03	-1.93e-05	-6.07	0.0	-3.63	2.41	1.06e-03	0.0	-0.01	-9.29
		-9.66	-0.01	-2.10e-05	0.0	55.3	-3.63	-3.66	1.06e-03	0.0	-9.28e-03	-9.66
176	205	-1.37	0.02	-3.15e-05	-6.07	0.0	2.01	-0.95	0.02	0.0	7.08e-03	-1.37
		-3.41	7.08e-03	-3.08e-05	0.0	55.3	2.01	-7.02	0.02	0.0	0.02	-3.41
176	208	-3.00	-0.01	-1.99e-05	-6.07	0.0	-1.10	1.12	-0.03	0.0	-0.01	-3.03
		-4.26	-0.03	3.36e-05	0.0	55.3	-1.10	-4.95	-0.03	0.0	-0.03	-4.26
176	218	6.06	5.74e-03	-3.54e-05	-6.07	0.0	5.20	-2.61	-0.01	0.0	5.74e-03	6.06
		2.96	-1.24e-03	2.89e-05	0.0	55.3	5.20	-8.68	-0.01	0.0	-1.24e-03	2.96
176	219	-10.12	-9.69e-03	-1.83e-05	-6.07	0.0	-4.30	2.79	2.17e-03	0.0	-0.01	-10.46
		-10.62	-0.01	-2.60e-05	0.0	55.3	-4.30	-3.28	2.17e-03	0.0	-9.69e-03	-10.62
176	237	-1.23	0.02	-3.24e-05	-6.07	0.0	2.25	-1.12	0.02	0.0	8.96e-03	-1.23
		-3.35	8.96e-03	-3.70e-05	0.0	55.3	2.25	-7.19	0.02	0.0	0.02	-3.35
176	240	-3.13	-0.02	-1.90e-05	-6.07	0.0	-1.35	1.30	-0.03	0.0	-0.02	-3.17
		-4.32	-0.03	3.98e-05	0.0	55.3	-1.35	-4.77	-0.03	0.0	-0.03	-4.32
176	248	-1.23	-1.65e-03	-1.82e-05	-3.38	0.0	0.49	-0.43	-2.62e-03	0.0	-1.65e-03	-1.23
		-2.40	-3.10e-03	1.92e-06	0.0	55.3	0.49	-3.81	-2.62e-03	0.0	-3.10e-03	-2.40
176	251	-2.18	-3.19e-03	-2.94e-05	-6.52	0.0	0.69	-0.11	-4.63e-03	0.0	-3.19e-03	-2.18
		-4.04	-5.75e-03	2.51e-06	0.0	55.3	0.69	-6.63	-4.63e-03	0.0	-5.75e-03	-4.04
176	256	-3.16	-4.71e-03	-3.26e-05	-7.86	0.0	0.36	0.24	-5.52e-03	0.0	-4.71e-03	-3.16
		-5.21	-7.77e-03	0.0	0.0	55.3	0.36	-7.63	-5.52e-03	0.0	-7.77e-03	-5.21
176	261	-2.11	-2.98e-03	-1.73e-05	-3.38	0.0	-0.07	-0.28	-2.88e-03	0.0	-2.98e-03	-2.11

		-3.20	-4.57e-03	0.0	0.0	55.3	-0.07	-3.66	-2.88e-03	0.0	-4.57e-03	-3.20
176	298	-2.31	-3.38e-03	-2.70e-05	-6.52	0.0	0.48	0.17	-4.35e-03	0.0	-3.38e-03	-2.31
		-4.02	-5.78e-03	1.47e-06	0.0	55.3	0.48	-6.35	-4.35e-03	0.0	-5.78e-03	-4.02
176	302	-1.46	-2.00e-03	-1.80e-05	-3.38	0.0	0.34	-0.39	-2.69e-03	0.0	-2.00e-03	-1.46
		-2.61	-3.49e-03	1.20e-06	0.0	55.3	0.34	-3.77	-2.69e-03	0.0	-3.49e-03	-2.61
176	303	-2.14	-3.10e-03	-2.58e-05	-6.07	0.0	0.49	0.08	-4.10e-03	0.0	-3.10e-03	-2.14
		-3.78	-5.37e-03	1.59e-06	0.0	55.3	0.49	-5.99	-4.10e-03	0.0	-5.37e-03	-3.78
176	304	-1.64	-2.27e-03	-1.78e-05	-3.38	0.0	0.23	-0.36	-2.74e-03	0.0	-2.27e-03	-1.64
		-2.77	-3.78e-03	0.0	0.0	55.3	0.23	-3.74	-2.74e-03	0.0	-3.78e-03	-2.77
176	309	-1.52	-2.09e-03	-1.79e-05	-3.38	0.0	0.30	-0.38	-2.71e-03	0.0	-2.09e-03	-1.52
		-2.67	-3.59e-03	1.02e-06	0.0	55.3	0.30	-3.76	-2.71e-03	0.0	-3.59e-03	-2.67
176	310	-2.20	-3.19e-03	-2.57e-05	-6.07	0.0	0.45	0.09	-4.11e-03	0.0	-3.19e-03	-2.20
		-3.83	-5.47e-03	1.41e-06	0.0	55.3	0.45	-5.98	-4.11e-03	0.0	-5.47e-03	-3.83
177	18	-5.47	-6.48e-03	-1.21e-04	-9.40	0.0	1.38	2.85	3.09e-03	0.0	-8.19e-03	-5.71
		-6.73	-8.19e-03	2.70e-06	0.0	55.3	1.38	-6.54	3.09e-03	0.0	-6.48e-03	-6.73
177	19	-2.06	-2.02e-03	-4.65e-05	-3.08	0.0	0.80	0.61	9.88e-04	0.0	-2.57e-03	-2.09
		-2.61	-2.57e-03	2.00e-06	0.0	55.3	0.80	-2.47	9.88e-04	0.0	-2.02e-03	-2.61
177	28	-7.04	-9.03e-03	-1.49e-04	-11.42	0.0	0.59	4.13	3.97e-03	0.0	-0.01	-7.46
		-8.33	-0.01	0.0	0.0	55.3	0.59	-7.29	3.97e-03	0.0	-9.03e-03	-8.33
177	45	-3.15	-3.91e-03	-6.03e-05	-3.08	0.0	-0.47	1.25	1.56e-03	0.0	-4.77e-03	-3.28
		-3.45	-4.77e-03	-2.30e-06	0.0	55.3	-0.47	-1.83	1.56e-03	0.0	-3.91e-03	-3.45
177	69	-2.45	-1.86e-03	-5.17e-05	-3.08	0.0	0.41	0.79	1.01e-03	0.0	-2.42e-03	-2.51
		-2.93	-2.42e-03	1.35e-06	0.0	55.3	0.41	-2.30	1.01e-03	0.0	-1.86e-03	-2.93
177	122	1.42	-1.35e-03	-3.05e-05	-6.07	0.0	6.33	-0.64	1.72e-03	0.0	-1.72e-03	1.42
		-0.60	-1.72e-03	1.96e-05	0.0	55.3	6.33	-6.71	1.72e-03	0.0	-1.35e-03	-0.60
177	123	-8.11	-7.48e-03	-1.27e-04	-6.07	0.0	-5.13	4.63	2.09e-03	0.0	-9.22e-03	-9.08
		-9.08	-9.22e-03	-1.80e-05	0.0	55.3	-5.13	-1.44	2.09e-03	0.0	-7.48e-03	-8.21
177	141	-3.38	0.01	-7.58e-05	-6.07	0.0	2.83	0.89	-0.02	0.0	0.01	-3.44
		-4.45	6.05e-03	-2.44e-05	0.0	55.3	2.83	-5.18	-0.02	0.0	6.05e-03	-4.45
177	144	-3.87	-0.01	-8.13e-05	-6.07	0.0	-1.64	3.11	0.02	0.0	-0.03	-4.22
		-4.36	-0.03	2.59e-05	0.0	55.3	-1.64	-2.96	0.02	0.0	-0.01	-4.36
177	154	2.07	-9.73e-04	-2.57e-05	-6.07	0.0	7.04	-0.96	1.72e-03	0.0	-1.30e-03	2.07
		-0.12	-1.30e-03	2.22e-05	0.0	55.3	7.04	-7.03	1.72e-03	0.0	-9.73e-04	-0.12
177	155	-8.63	-7.86e-03	-1.33e-04	-6.07	0.0	-5.85	4.96	2.09e-03	0.0	-9.64e-03	-9.73
		-9.73	-9.64e-03	-2.06e-05	0.0	55.3	-5.85	-1.11	2.09e-03	0.0	-7.86e-03	-8.69
177	173	-3.34	0.02	-7.55e-05	-6.07	0.0	3.10	0.75	-0.02	0.0	0.02	-3.40
		-4.46	7.38e-03	-2.77e-05	0.0	55.3	3.10	-5.32	-0.02	0.0	7.38e-03	-4.46
177	176	-3.89	-0.02	-8.17e-05	-6.07	0.0	-1.91	3.24	0.02	0.0	-0.03	-4.26
		-4.35	-0.03	2.93e-05	0.0	55.3	-1.91	-2.83	0.02	0.0	-0.02	-4.35
177	186	2.00	-1.11e-03	-2.62e-05	-6.07	0.0	6.94	-0.91	1.94e-03	0.0	-1.66e-03	2.00
		-0.17	-1.66e-03	2.36e-05	0.0	55.3	6.94	-6.98	1.94e-03	0.0	-1.11e-03	-0.17
177	187	-8.57	-7.72e-03	-1.32e-04	-6.07	0.0	-5.75	4.91	1.87e-03	0.0	-9.28e-03	-9.66
		-9.66	-9.28e-03	-2.21e-05	0.0	55.3	-5.75	-1.16	1.87e-03	0.0	-7.72e-03	-8.64
177	205	-3.35	0.02	-7.56e-05	-6.07	0.0	3.01	0.78	-0.02	0.0	0.02	-3.41
		-4.48	7.41e-03	-2.88e-05	0.0	55.3	3.01	-5.29	-0.02	0.0	7.41e-03	-4.48
177	208	-3.87	-0.02	-8.16e-05	-6.07	0.0	-1.82	3.22	0.02	0.0	-0.03	-4.26
		-4.33	-0.03	3.04e-05	0.0	55.3	-1.82	-2.85	0.02	0.0	-0.02	-4.33
177	218	2.96	-6.49e-04	-2.04e-05	-6.07	0.0	7.98	-1.39	2.14e-03	0.0	-1.24e-03	2.96
		0.54	-1.24e-03	2.87e-05	0.0	55.3	7.98	-7.45	2.14e-03	0.0	-6.49e-04	0.54
177	219	-9.32	-8.18e-03	-1.41e-04	-6.07	0.0	-6.79	5.38	1.67e-03	0.0	-9.69e-03	-10.62
		-10.62	-9.69e-03	-2.71e-05	0.0	55.3	-6.79	-0.69	1.67e-03	0.0	-8.18e-03	-9.35
177	237	-3.31	0.02	-7.52e-05	-6.07	0.0	3.39	0.58	-0.03	0.0	0.02	-3.35
		-4.51	9.58e-03	-3.46e-05	0.0	55.3	3.39	-5.49	-0.03	0.0	9.58e-03	-4.51
177	240	-3.89	-0.02	-8.19e-05	-6.07	0.0	-2.20	3.42	0.03	0.0	-0.03	-4.32
		-4.32	-0.03	3.62e-05	0.0	55.3	-2.20	-2.65	0.03	0.0	-0.02	-4.30
177	248	-2.35	-2.45e-03	-5.18e-05	-3.38	0.0	0.68	0.78	1.16e-03	0.0	-3.10e-03	-2.40
		-2.90	-3.10e-03	1.57e-06	0.0	55.3	0.68	-2.60	1.16e-03	0.0	-2.45e-03	-2.90
177	251	-3.88	-4.56e-03	-8.57e-05	-6.52	0.0	0.95	1.96	2.16e-03	0.0	-5.75e-03	-4.04
		-4.76	-5.75e-03	1.85e-06	0.0	55.3	0.95	-4.56	2.16e-03	0.0	-4.56e-03	-4.76
177	256	-4.93	-6.25e-03	-1.04e-04	-7.86	0.0	0.43	2.80	2.74e-03	0.0	-7.77e-03	-5.21
		-5.83	-7.77e-03	0.0	0.0	55.3	0.43	-5.06	2.74e-03	0.0	-6.25e-03	-5.83
177	261	-3.08	-3.71e-03	-6.10e-05	-3.38	0.0	-0.16	1.21	1.54e-03	0.0	-4.57e-03	-3.20
		-3.46	-4.57e-03	-1.30e-06	0.0	55.3	-0.16	-2.17	1.54e-03	0.0	-3.71e-03	-3.46
177	273	-2.61	-2.35e-03	-5.52e-05	-3.38	0.0	0.43	0.90	1.18e-03	0.0	-3.00e-03	-2.68
		-3.12	-3.00e-03	1.14e-06	0.0	55.3	0.43	-2.48	1.18e-03	0.0	-2.35e-03	-3.12
177	298	-3.82	-4.67e-03	-8.25e-05	-6.52	0.0	0.63	2.18	2.01e-03	0.0	-5.78e-03	-4.02
		-4.62	-5.78e-03	0.0	0.0	55.3	0.63	-4.34	2.01e-03	0.0	-4.67e-03	-4.62
177	302	-2.55	-2.79e-03	-5.42e-05	-3.38	0.0	0.46	0.90	1.27e-03	0.0	-3.49e-03	-2.61
		-3.05	-3.49e-03	0.0	0.0	55.3	0.46	-2.48	1.27e-03	0.0	-2.79e-03	-3.05
177	303	-3.60	-4.33e-03	-7.80e-05	-6.07	0.0	0.65	1.97	1.88e-03	0.0	-5.37e-03	-3.78
		-4.37	-5.37e-03	0.0	0.0	55.3	0.65	-4.10	1.88e-03	0.0	-4.33e-03	-4.37
177	304	-2.69	-3.04e-03	-5.60e-05	-3.38	0.0	0.29	0.98	1.34e-03	0.0	-3.78e-03	-2.77
		-3.16	-3.78e-03	0.0	0.0	55.3	0.29	-2.40	1.34e-03	0.0	-3.04e-03	-3.16
177	306	-2.60	-2.77e-03	-5.49e-05	-3.38	0.0	0.41	0.92	1.27e-03	0.0	-3.47e-03	-2.67
		-3.09	-3.47e-03	0.0	0.0	55.3	0.41	-2.46	1.27e-03	0.0	-2.77e-03	-3.09

177	309	-2.60	-2.87e-03	-5.48e-05	-3.38	0.0	0.40	0.93	1.29e-03	0.0	-3.59e-03	-2.67
		-3.09	-3.59e-03	0.0	0.0	55.3	0.40	-2.45	1.29e-03	0.0	-2.87e-03	-3.09
177	310	-3.65	-4.41e-03	-7.86e-05	-6.07	0.0	0.60	2.00	1.91e-03	0.0	-5.47e-03	-3.83
		-4.40	-5.47e-03	0.0	0.0	55.3	0.60	-4.07	1.91e-03	0.0	-4.41e-03	-4.40
178	19	-1.22	-0.03	1.27e-05	-0.23	0.0	0.21	1.11	0.19	-5.14e-03	-0.13	-1.74
		-1.74	-0.13	-8.44e-05	0.0	52.6	0.21	0.88	0.19	-5.14e-03	-0.03	-1.22
178	44	-2.24	0.40	5.23e-05	-0.30	0.0	1.40	3.56	-0.66	2.90e-03	0.40	-4.03
		-4.03	0.04	2.21e-04	0.0	52.6	1.40	3.26	-0.66	2.90e-03	0.04	-2.24
178	45	-0.78	0.36	2.53e-05	-0.23	0.0	0.93	1.77	-0.57	4.75e-03	0.36	-1.65
		-1.65	0.05	2.09e-04	0.0	52.6	0.93	1.53	-0.57	4.75e-03	0.05	-0.78
178	76	-2.87	0.09	5.00e-05	-0.30	0.0	1.05	3.61	-0.17	-7.81e-04	0.09	-4.69
		-4.69	5.32e-05	1.26e-05	0.0	52.6	1.05	3.31	-0.17	-7.81e-04	5.32e-05	-2.87
178	122	-3.17	0.45	-3.45e-05	-0.23	0.0	-14.41	-0.38	-0.34	-0.03	0.45	-3.17
		-3.27	0.34	5.55e-05	0.0	52.6	-14.41	-0.61	-0.34	-0.03	0.34	-3.27
178	123	0.06	-0.35	9.00e-05	-0.23	0.0	15.67	4.34	0.14	0.02	-0.35	-2.00
		-2.00	-0.35	-2.16e-05	0.0	52.6	15.67	4.11	0.14	0.02	-0.35	0.06
178	124	0.30	0.54	4.90e-05	-0.23	0.0	12.63	5.75	-0.39	-0.01	0.54	-2.81
		-2.81	0.27	4.13e-05	0.0	52.6	12.63	5.52	-0.39	-0.01	0.27	0.30
178	129	-1.34	-1.11	9.73e-05	-0.23	0.0	3.15	-0.95	0.72	0.05	-1.54	-1.34
		-2.31	-1.54	-9.58e-05	0.0	52.6	3.15	-1.19	0.72	0.05	-1.11	-2.31
178	130	-1.53	1.42	-3.95e-05	-0.23	0.0	-6.99	3.74	-1.04	-0.07	1.42	-4.04
		-4.04	0.95	1.14e-04	0.0	52.6	-6.99	3.51	-1.04	-0.07	0.95	-1.53
178	132	-0.90	1.64	-4.18e-05	-0.23	0.0	-1.89	4.92	-0.91	-0.06	1.64	-3.83
		-3.83	1.10	1.30e-04	0.0	52.6	-1.89	4.69	-0.91	-0.06	1.10	-0.90
178	154	-3.25	0.50	-4.24e-05	-0.23	0.0	-16.27	-0.67	-0.37	-0.03	0.50	-3.25
		-3.48	0.39	6.04e-05	0.0	52.6	-16.27	-0.90	-0.37	-0.03	0.39	-3.48
178	155	0.27	-0.40	9.79e-05	-0.23	0.0	17.53	4.63	0.17	0.02	-0.40	-1.92
		-1.92	-0.40	-2.66e-05	0.0	52.6	17.53	4.40	0.17	0.02	-0.40	0.27
178	156	0.53	0.60	5.14e-05	-0.23	0.0	14.10	6.22	-0.42	-0.02	0.60	-2.84
		-2.84	0.31	4.46e-05	0.0	52.6	14.10	5.99	-0.42	-0.02	0.31	0.53
178	161	-1.17	-1.26	1.07e-04	-0.23	0.0	3.49	-1.34	0.82	0.06	-1.75	-1.17
		-2.39	-1.75	-1.10e-04	0.0	52.6	3.49	-1.57	0.82	0.06	-1.26	-2.39
178	162	-1.52	1.60	-4.84e-05	-0.23	0.0	-7.95	3.98	-1.16	-0.08	1.60	-4.24
		-4.24	1.08	1.27e-04	0.0	52.6	-7.95	3.75	-1.16	-0.08	1.08	-1.52
178	164	-0.82	1.84	-5.11e-05	-0.23	0.0	-2.23	5.30	-1.02	-0.06	1.84	-4.00
		-4.00	1.25	1.44e-04	0.0	52.6	-2.23	5.07	-1.02	-0.06	1.25	-0.82
178	186	-3.26	0.51	-4.26e-05	-0.23	0.0	-15.93	-0.58	-0.37	-0.03	0.51	-3.26
		-3.45	0.39	6.04e-05	0.0	52.6	-15.93	-0.82	-0.37	-0.03	0.39	-3.45
178	187	0.25	-0.40	9.81e-05	-0.23	0.0	17.19	4.55	0.17	0.02	-0.42	-1.91
		-1.91	-0.42	-2.66e-05	0.0	52.6	17.19	4.32	0.17	0.02	-0.40	0.25
178	188	0.49	0.61	4.98e-05	-0.23	0.0	13.74	6.20	-0.42	-0.02	0.61	-2.86
		-2.86	0.31	4.57e-05	0.0	52.6	13.74	5.97	-0.42	-0.02	0.31	0.49
178	193	-1.11	-1.28	1.10e-04	-0.23	0.0	3.62	-1.43	0.83	0.06	-1.77	-1.11
		-2.36	-1.77	-1.12e-04	0.0	52.6	3.62	-1.66	0.83	0.06	-1.28	-2.36
178	194	-1.54	1.63	-5.13e-05	-0.23	0.0	-7.91	4.08	-1.16	-0.08	1.63	-4.30
		-4.30	1.10	1.29e-04	0.0	52.6	-7.91	3.85	-1.16	-0.08	1.10	-1.54
178	196	-0.85	1.87	-5.44e-05	-0.23	0.0	-2.36	5.39	-1.03	-0.06	1.87	-4.06
		-4.06	1.27	1.46e-04	0.0	52.6	-2.36	5.16	-1.03	-0.06	1.27	-0.85
178	218	-3.39	0.60	-5.51e-05	-0.23	0.0	-18.65	-0.97	-0.42	-0.03	0.60	-3.39
		-3.75	0.47	6.81e-05	0.0	52.6	-18.65	-1.20	-0.42	-0.03	0.47	-3.75
178	219	0.55	-0.48	1.11e-04	-0.23	0.0	19.91	4.93	0.23	0.03	-0.51	-1.78
		-1.78	-0.51	-3.43e-05	0.0	52.6	19.91	4.70	0.23	0.03	-0.48	0.55
178	220	0.83	0.71	5.23e-05	-0.23	0.0	15.80	6.92	-0.48	-0.02	0.71	-2.93
		-2.93	0.38	5.18e-05	0.0	52.6	15.80	6.69	-0.48	-0.02	0.38	0.83
178	225	-0.81	-1.53	1.27e-04	-0.23	0.0	4.26	-2.11	1.00	0.07	-2.12	-0.81
		-2.48	-2.12	-1.36e-04	0.0	52.6	4.26	-2.34	1.00	0.07	-1.53	-2.48
178	226	-1.53	1.94	-6.74e-05	-0.23	0.0	-9.46	4.53	-1.36	-0.09	1.94	-4.65
		-4.65	1.32	1.51e-04	0.0	52.6	-9.46	4.29	-1.36	-0.09	1.32	-1.53
178	228	-0.72	2.22	-7.13e-05	-0.23	0.0	-3.00	6.07	-1.20	-0.07	2.22	-4.36
		-4.36	1.52	1.70e-04	0.0	52.6	-3.00	5.84	-1.20	-0.07	1.52	-0.72
178	248	-1.24	-0.02	1.54e-05	-0.23	0.0	0.31	1.27	0.10	-4.12e-03	-0.08	-1.85
		-1.85	-0.08	-5.13e-05	0.0	52.6	0.31	1.03	0.10	-4.12e-03	-0.02	-1.24
178	261	-0.95	0.25	2.38e-05	-0.23	0.0	0.79	1.70	-0.41	2.48e-03	0.25	-1.79
		-1.79	0.03	1.44e-04	0.0	52.6	0.79	1.47	-0.41	2.48e-03	0.03	-0.95
178	264	-1.60	0.27	3.64e-05	-0.23	0.0	0.98	2.50	-0.45	1.73e-03	0.27	-2.86
		-2.86	0.03	1.49e-04	0.0	52.6	0.98	2.27	-0.45	1.73e-03	0.03	-1.60
178	280	-2.02	0.06	3.49e-05	-0.23	0.0	0.75	2.54	-0.12	-7.24e-04	0.06	-3.29
		-3.29	-2.72e-04	9.91e-06	0.0	52.6	0.75	2.31	-0.12	-7.24e-04	-2.72e-04	-2.02
178	298	-1.68	0.05	2.93e-05	-0.23	0.0	0.66	2.08	-0.10	-2.35e-03	0.05	-2.71
		-2.71	-3.47e-03	1.74e-05	0.0	52.6	0.66	1.84	-0.10	-2.35e-03	-3.47e-03	-1.68
178	302	-1.16	0.01	1.76e-05	-0.23	0.0	0.44	1.38	-0.04	-2.36e-03	0.01	-1.83
		-1.83	-6.09e-03	0.0	0.0	52.6	0.44	1.15	-0.04	-2.36e-03	-6.09e-03	-1.16
178	303	-1.62	0.03	2.72e-05	-0.23	0.0	0.60	1.95	-0.06	-2.73e-03	0.03	-2.59
		-2.59	-6.64e-03	3.87e-06	0.0	52.6	0.60	1.72	-0.06	-2.73e-03	-6.64e-03	-1.62
178	304	-1.11	0.08	1.93e-05	-0.23	0.0	0.54	1.47	-0.14	-1.04e-03	0.08	-1.82

		-1.82	3.69e-03	4.00e-05	0.0	52.6	0.54	1.24	-0.14	-1.04e-03	3.69e-03	-1.11
178	305	-1.57	0.09	2.89e-05	-0.23	0.0	0.69	2.04	-0.17	-1.41e-03	0.09	-2.58
		-2.58	3.15e-03	4.30e-05	0.0	52.6	0.69	1.81	-0.17	-1.41e-03	3.15e-03	-1.57
178	309	-1.14	0.03	1.82e-05	-0.23	0.0	0.47	1.41	-0.07	-1.92e-03	0.03	-1.83
		-1.83	-2.83e-03	1.39e-05	0.0	52.6	0.47	1.18	-0.07	-1.92e-03	-2.83e-03	-1.14
178	310	-1.60	0.05	2.77e-05	-0.23	0.0	0.63	1.98	-0.10	-2.29e-03	0.05	-2.59
		-2.59	-3.38e-03	1.69e-05	0.0	52.6	0.63	1.75	-0.10	-2.29e-03	-3.38e-03	-1.60
179	4	-1.82	-0.02	4.10e-05	-0.30	0.0	0.70	2.33	2.10e-03	-5.37e-03	-0.02	-2.97
		-2.97	-0.02	-3.27e-05	0.0	52.6	0.70	2.03	2.10e-03	-5.37e-03	-0.02	-1.82
179	19	-0.89	2.78e-03	8.90e-06	-0.23	0.0	0.33	0.75	0.06	0.01	-0.03	-1.22
		-1.22	-0.03	-8.64e-05	0.0	52.6	0.33	0.52	0.06	0.01	2.78e-03	-0.89
179	28	-1.36	0.03	5.08e-05	-0.30	0.0	0.78	2.71	-0.13	-0.04	0.03	-2.70
		-2.70	-0.04	1.46e-04	0.0	52.6	0.78	2.41	-0.13	-0.04	-0.04	-1.36
179	44	-0.96	0.05	4.87e-05	-0.30	0.0	0.76	2.59	-0.18	-0.05	0.05	-2.24
		-2.24	-0.05	2.23e-04	0.0	52.6	0.76	2.29	-0.18	-0.05	-0.05	-0.96
179	45	-0.12	0.05	2.51e-05	-0.23	0.0	0.47	1.38	-0.16	-0.04	0.05	-0.78
		-0.78	-0.03	2.11e-04	0.0	52.6	0.47	1.15	-0.16	-0.04	-0.03	-0.12
179	121	-3.50	-0.17	-2.10e-05	-0.23	0.0	-8.70	-1.88	0.24	8.17e-03	-0.28	-3.50
		-4.83	-0.28	-4.86e-05	0.0	52.6	-8.70	-2.11	0.24	8.17e-03	-0.17	-4.83
179	122	-3.27	0.34	-3.32e-05	-0.23	0.0	-11.06	-2.42	-0.24	-0.03	0.34	-3.27
		-4.32	0.20	8.14e-05	0.0	52.6	-11.06	-2.65	-0.24	-0.03	0.20	-4.32
179	123	2.45	-0.23	8.11e-05	-0.23	0.0	11.99	5.20	0.19	0.01	-0.35	0.06
		0.06	-0.35	-4.90e-05	0.0	52.6	11.99	4.97	0.19	0.01	-0.23	2.45
179	124	2.97	0.27	6.88e-05	-0.23	0.0	9.63	4.66	-0.28	-0.03	0.27	0.30
		0.30	0.15	8.10e-05	0.0	52.6	9.63	4.43	-0.28	-0.03	0.15	2.97
179	129	-2.31	-0.68	3.59e-05	-0.23	0.0	2.44	1.65	0.71	0.05	-1.11	-2.31
		-2.44	-1.11	-2.18e-04	0.0	52.6	2.44	1.42	0.71	0.05	-0.68	-2.44
179	132	0.57	1.11	1.20e-05	-0.23	0.0	-1.51	1.13	-0.76	-0.07	1.11	-0.90
		-0.90	0.65	2.51e-04	0.0	52.6	-1.51	0.90	-0.76	-0.07	0.65	0.57
179	153	-3.74	-0.19	-2.64e-05	-0.23	0.0	-9.83	-2.29	0.27	0.01	-0.31	-3.74
		-5.32	-0.31	-5.71e-05	0.0	52.6	-9.83	-2.52	0.27	0.01	-0.19	-5.32
179	154	-3.48	0.39	-4.04e-05	-0.23	0.0	-12.48	-2.89	-0.26	-0.04	0.39	-3.48
		-4.74	0.23	8.98e-05	0.0	52.6	-12.48	-3.12	-0.26	-0.04	0.23	-4.74
179	155	2.88	-0.25	8.83e-05	-0.23	0.0	13.41	5.67	0.22	0.02	-0.40	0.27
		0.27	-0.40	-5.74e-05	0.0	52.6	13.41	5.44	0.22	0.02	-0.25	2.88
179	156	3.45	0.31	7.42e-05	-0.23	0.0	10.76	5.07	-0.32	-0.03	0.31	0.53
		0.53	0.17	8.95e-05	0.0	52.6	10.76	4.84	-0.32	-0.03	0.17	3.45
179	161	-2.39	-0.77	3.79e-05	-0.23	0.0	2.70	1.68	0.81	0.06	-1.26	-2.39
		-2.62	-1.26	-2.49e-04	0.0	52.6	2.70	1.45	0.81	0.06	-0.77	-2.62
179	164	0.75	1.25	9.93e-06	-0.23	0.0	-1.77	1.10	-0.85	-0.08	1.25	-0.82
		-0.82	0.74	2.81e-04	0.0	52.6	-1.77	0.87	-0.85	-0.08	0.74	0.75
179	185	-3.70	-0.20	-2.46e-05	-0.23	0.0	-9.55	-2.23	0.27	0.01	-0.32	-3.70
		-5.24	-0.32	-5.80e-05	0.0	52.6	-9.55	-2.46	0.27	0.01	-0.20	-5.24
179	186	-3.45	0.39	-4.04e-05	-0.23	0.0	-12.23	-2.82	-0.27	-0.03	0.39	-3.45
		-4.69	0.23	9.10e-05	0.0	52.6	-12.23	-3.05	-0.27	-0.03	0.23	-4.69
179	187	2.82	-0.26	8.82e-05	-0.23	0.0	13.16	5.60	0.22	0.02	-0.40	0.25
		0.25	-0.40	-5.86e-05	0.0	52.6	13.16	5.37	0.22	0.02	-0.26	2.82
179	188	3.37	0.32	7.24e-05	-0.23	0.0	10.48	5.01	-0.32	-0.03	0.32	0.49
		0.49	0.17	9.04e-05	0.0	52.6	10.48	4.78	-0.32	-0.03	0.17	3.37
179	193	-2.36	-0.78	4.13e-05	-0.23	0.0	2.80	1.67	0.82	0.06	-1.28	-2.36
		-2.56	-1.28	-2.51e-04	0.0	52.6	2.80	1.44	0.82	0.06	-0.78	-2.56
179	196	0.69	1.27	6.59e-06	-0.23	0.0	-1.87	1.11	-0.87	-0.08	1.27	-0.85
		-0.85	0.76	2.83e-04	0.0	52.6	-1.87	0.88	-0.87	-0.08	0.76	0.69
179	217	-4.04	-0.24	-3.18e-05	-0.23	0.0	-11.12	-2.82	0.33	0.01	-0.38	-4.04
		-5.94	-0.38	-7.25e-05	0.0	52.6	-11.12	-3.05	0.33	0.01	-0.24	-5.94
179	218	-3.75	0.47	-5.14e-05	-0.23	0.0	-14.31	-3.50	-0.32	-0.04	0.47	-3.75
		-5.30	0.28	1.05e-04	0.0	52.6	-14.31	-3.74	-0.32	-0.04	0.28	-5.30
179	219	3.43	-0.31	9.93e-05	-0.23	0.0	15.24	6.29	0.27	0.02	-0.48	0.55
		0.55	-0.48	-7.26e-05	0.0	52.6	15.24	6.05	0.27	0.02	-0.31	3.43
179	220	4.07	0.38	7.97e-05	-0.23	0.0	12.06	5.60	-0.38	-0.03	0.38	0.83
		0.83	0.21	1.05e-04	0.0	52.6	12.06	5.37	-0.38	-0.03	0.21	4.07
179	225	-2.48	-0.93	4.63e-05	-0.23	0.0	3.31	1.72	0.98	0.07	-1.53	-2.48
		-2.83	-1.53	-3.02e-04	0.0	52.6	3.31	1.49	0.98	0.07	-0.93	-2.83
179	228	0.96	1.52	1.58e-06	-0.23	0.0	-2.38	1.06	-1.03	-0.09	1.52	-0.72
		-0.72	0.91	3.34e-04	0.0	52.6	-2.38	0.83	-1.03	-0.09	0.91	0.96
179	244	-1.28	-0.01	2.87e-05	-0.23	0.0	0.51	1.65	-1.65e-05	-4.21e-03	-0.01	-2.08
		-2.08	-0.01	-2.04e-05	0.0	52.6	0.51	1.42	-1.65e-05	-4.21e-03	-0.01	-1.28
179	248	-0.84	-1.85e-03	1.18e-05	-0.23	0.0	0.36	0.88	0.03	5.11e-03	-0.02	-1.24
		-1.24	-0.02	-5.28e-05	0.0	52.6	0.36	0.64	0.03	5.11e-03	-1.85e-03	-0.84
179	256	-0.97	0.02	3.51e-05	-0.23	0.0	0.56	1.90	-0.09	-0.03	0.02	-1.91
		-1.91	-0.03	9.87e-05	0.0	52.6	0.56	1.67	-0.09	-0.03	-0.03	-0.97
179	261	-0.33	0.03	2.26e-05	-0.23	0.0	0.45	1.30	-0.11	-0.03	0.03	-0.95
		-0.95	-0.03	1.46e-04	0.0	52.6	0.45	1.06	-0.11	-0.03	-0.03	-0.33
179	264	-0.70	0.03	3.38e-05	-0.23	0.0	0.55	1.83	-0.12	-0.03	0.03	-1.60
		-1.60	-0.03	1.50e-04	0.0	52.6	0.55	1.60	-0.12	-0.03	-0.03	-0.70

179	298	-0.98	-2.84e-03	2.54e-05	-0.23	0.0	0.48	1.45	-0.02	-9.27e-03	-2.84e-03	-1.68
		-1.68	-0.01	1.67e-05	0.0	52.6	0.48	1.22	-0.02	-9.27e-03	-0.01	-0.98
179	302	-0.71	-5.69e-03	1.47e-05	-0.23	0.0	0.38	0.99	-6.13e-03	-4.21e-03	-5.69e-03	-1.16
		-1.16	-8.32e-03	0.0	0.0	52.6	0.38	0.76	-6.13e-03	-4.21e-03	-8.32e-03	-0.71
179	304	-0.60	4.20e-03	1.69e-05	-0.23	0.0	0.40	1.07	-0.04	-0.01	4.20e-03	-1.11
		-1.11	-0.01	3.98e-05	0.0	52.6	0.40	0.84	-0.04	-0.01	-0.01	-0.60
179	305	-0.87	3.81e-03	2.54e-05	-0.23	0.0	0.48	1.45	-0.04	-0.01	3.81e-03	-1.57
		-1.57	-0.02	4.27e-05	0.0	52.6	0.48	1.22	-0.04	-0.01	-0.02	-0.87
179	309	-0.67	-2.39e-03	1.54e-05	-0.23	0.0	0.39	1.02	-0.02	-6.55e-03	-2.39e-03	-1.14
		-1.14	-9.94e-03	1.34e-05	0.0	52.6	0.39	0.78	-0.02	-6.55e-03	-9.94e-03	-0.67
179	310	-0.93	-2.78e-03	2.39e-05	-0.23	0.0	0.47	1.39	-0.02	-8.88e-03	-2.78e-03	-1.60
		-1.60	-0.01	1.62e-05	0.0	52.6	0.47	1.16	-0.02	-8.88e-03	-0.01	-0.93
180	4	-1.11	-0.01	3.90e-05	-0.30	0.0	0.63	1.50	0.01	-2.68e-03	-0.02	-1.82
		-1.82	-0.02	-3.44e-05	0.0	52.6	0.63	1.20	0.01	-2.68e-03	-0.01	-1.11
180	18	-1.13	-2.78e-03	2.95e-05	-0.30	0.0	0.69	1.28	0.02	9.05e-03	-0.01	-1.73
		-1.73	-0.01	-7.52e-05	0.0	52.6	0.69	0.98	0.02	9.05e-03	-2.78e-03	-1.13
180	19	-0.67	7.12e-03	6.02e-06	-0.23	0.0	0.52	0.54	0.01	0.02	1.85e-03	-0.89
		-0.89	1.85e-03	-8.57e-05	0.0	52.6	0.52	0.31	0.01	0.02	7.12e-03	-0.67
180	44	-0.12	-0.04	5.29e-05	-0.30	0.0	0.22	1.74	-0.02	-0.06	-0.04	-0.96
		-0.96	-0.05	2.17e-04	0.0	52.6	0.22	1.44	-0.02	-0.06	-0.05	-0.12
180	45	0.35	-0.03	2.94e-05	-0.23	0.0	0.05	1.00	-0.02	-0.06	-0.03	-0.12
		-0.12	-0.04	2.07e-04	0.0	52.6	0.05	0.77	-0.02	-0.06	-0.04	0.35
180	122	-4.32	0.20	-7.81e-05	-0.23	0.0	-7.76	-3.19	-0.21	-0.03	0.20	-4.32
		-6.55	0.09	9.71e-05	0.0	52.6	-7.76	-3.42	-0.21	-0.03	0.09	-6.55
180	123	5.54	-0.11	1.25e-04	-0.23	0.0	8.52	5.05	0.22	0.01	-0.23	2.45
		2.45	-0.23	-6.77e-05	0.0	52.6	8.52	4.82	0.22	0.01	-0.11	5.54
180	129	0.14	-0.32	7.99e-05	-0.23	0.0	1.77	1.88	0.69	0.05	-0.68	-2.44
		-2.44	-0.68	-3.06e-04	0.0	52.6	1.77	1.65	0.69	0.05	-0.32	0.14
180	132	0.57	0.66	-3.30e-05	-0.23	0.0	-1.01	-0.01	-0.68	-0.07	0.66	0.57
		-1.14	0.30	3.35e-04	0.0	52.6	-1.01	-0.24	-0.68	-0.07	0.30	-1.14
180	154	-4.74	0.23	-9.07e-05	-0.23	0.0	-8.77	-3.70	-0.24	-0.04	0.23	-4.74
		-7.30	0.10	1.08e-04	0.0	52.6	-8.77	-3.93	-0.24	-0.04	0.10	-7.30
180	155	6.29	-0.13	1.38e-04	-0.23	0.0	9.53	5.57	0.25	0.02	-0.26	2.88
		2.88	-0.26	-7.85e-05	0.0	52.6	9.53	5.34	0.25	0.02	-0.13	6.29
180	161	0.22	-0.36	8.68e-05	-0.23	0.0	1.96	2.01	0.78	0.06	-0.77	-2.62
		-2.62	-0.77	-3.47e-04	0.0	52.6	1.96	1.77	0.78	0.06	-0.36	0.22
180	164	0.75	0.74	-3.99e-05	-0.23	0.0	-1.20	-0.14	-0.77	-0.08	0.74	0.75
		-1.23	0.34	3.76e-04	0.0	52.6	-1.20	-0.37	-0.77	-0.08	0.34	-1.23
180	186	-4.69	0.23	-8.87e-05	-0.23	0.0	-8.59	-3.64	-0.24	-0.04	0.23	-4.69
		-7.20	0.11	1.10e-04	0.0	52.6	-8.59	-3.87	-0.24	-0.04	0.11	-7.20
180	187	6.19	-0.13	1.36e-04	-0.23	0.0	9.35	5.51	0.25	0.02	-0.26	2.82
		2.82	-0.26	-8.04e-05	0.0	52.6	9.35	5.28	0.25	0.02	-0.13	6.19
180	193	0.22	-0.37	8.56e-05	-0.23	0.0	2.03	2.05	0.79	0.06	-0.79	-2.56
		-2.56	-0.79	-3.49e-04	0.0	52.6	2.03	1.82	0.79	0.06	-0.37	0.22
180	196	0.69	0.76	-3.87e-05	-0.23	0.0	-1.27	-0.18	-0.79	-0.08	0.76	0.69
		-1.23	0.35	3.79e-04	0.0	52.6	-1.27	-0.41	-0.79	-0.08	0.35	-1.23
180	218	-5.30	0.28	-1.07e-04	-0.23	0.0	-10.07	-4.40	-0.29	-0.04	0.28	-5.30
		-8.29	0.13	1.28e-04	0.0	52.6	-10.07	-4.63	-0.29	-0.04	0.13	-8.29
180	219	7.28	-0.15	1.54e-04	-0.23	0.0	10.83	6.27	0.30	0.02	-0.31	3.43
		3.43	-0.31	-9.85e-05	0.0	52.6	10.83	6.04	0.30	0.02	-0.15	7.28
180	225	0.37	-0.44	9.68e-05	-0.23	0.0	2.39	2.29	0.94	0.07	-0.94	-2.83
		-2.83	-0.94	-4.18e-04	0.0	52.6	2.39	2.06	0.94	0.07	-0.44	0.37
180	228	0.96	0.91	-4.99e-05	-0.23	0.0	-1.63	-0.42	-0.94	-0.09	0.91	0.96
		-1.38	0.42	4.47e-04	0.0	52.6	-1.63	-0.65	-0.94	-0.09	0.42	-1.38
180	244	-0.77	-7.98e-03	2.72e-05	-0.23	0.0	0.47	1.07	7.79e-03	-2.47e-03	-0.01	-1.28
		-1.28	-0.01	-2.16e-05	0.0	52.6	0.47	0.84	7.79e-03	-2.47e-03	-7.98e-03	-0.77
180	248	-0.58	1.81e-03	9.77e-06	-0.23	0.0	0.47	0.62	9.71e-03	9.17e-03	-2.33e-03	-0.84
		-0.84	-2.33e-03	-5.28e-05	0.0	52.6	0.47	0.39	9.71e-03	9.17e-03	1.81e-03	-0.58
180	251	-0.79	-2.59e-03	2.09e-05	-0.23	0.0	0.51	0.93	0.01	5.35e-03	-7.59e-03	-1.21
		-1.21	-7.59e-03	-4.88e-05	0.0	52.6	0.51	0.70	0.01	5.35e-03	-2.59e-03	-0.79
180	261	0.10	-0.02	2.54e-05	-0.23	0.0	0.16	0.93	-0.01	-0.04	-0.02	-0.33
		-0.33	-0.03	1.42e-04	0.0	52.6	0.16	0.70	-0.01	-0.04	-0.03	0.10
180	264	-0.11	-0.03	3.65e-05	-0.23	0.0	0.19	1.24	-0.01	-0.04	-0.03	-0.70
		-0.70	-0.03	1.46e-04	0.0	52.6	0.19	1.01	-0.01	-0.04	-0.03	-0.11
180	298	-0.53	-0.01	2.49e-05	-0.23	0.0	0.38	0.97	2.58e-03	-0.01	-0.01	-0.98
		-0.98	-0.01	1.51e-05	0.0	52.6	0.38	0.74	2.58e-03	-0.01	-0.01	-0.53
180	302	-0.40	-5.93e-03	1.39e-05	-0.23	0.0	0.39	0.71	3.44e-03	-3.88e-03	-8.11e-03	-0.71
		-0.71	-8.11e-03	0.0	0.0	52.6	0.39	0.47	3.44e-03	-3.88e-03	-5.93e-03	-0.40
180	303	-0.55	-8.98e-03	2.24e-05	-0.23	0.0	0.40	0.91	4.05e-03	-6.48e-03	-0.01	-0.97
		-0.97	-0.01	1.68e-06	0.0	52.6	0.40	0.68	4.05e-03	-6.48e-03	-8.98e-03	-0.55
180	304	-0.26	-0.01	1.70e-05	-0.23	0.0	0.33	0.77	-1.26e-03	-0.01	-0.01	-0.60
		-0.60	-0.01	3.83e-05	0.0	52.6	0.33	0.54	-1.26e-03	-0.01	-0.01	-0.26
180	305	-0.41	-0.01	2.56e-05	-0.23	0.0	0.34	0.98	-6.52e-04	-0.02	-0.02	-0.87
		-0.87	-0.02	4.07e-05	0.0	52.6	0.34	0.74	-6.52e-04	-0.02	-0.01	-0.41
180	309	-0.35	-7.86e-03	1.50e-05	-0.23	0.0	0.37	0.73	1.88e-03	-7.14e-03	-9.56e-03	-0.67

		-0.67	-9.56e-03	1.23e-05	0.0	52.6	0.37	0.50	1.88e-03	-7.14e-03	-7.86e-03	-0.35
180	310	-0.50	-0.01	2.35e-05	-0.23	0.0	0.38	0.93	2.48e-03	-9.74e-03	-0.01	-0.93
		-0.93	-0.01	1.47e-05	0.0	52.6	0.38	0.70	2.48e-03	-9.74e-03	-0.01	-0.50
181	16	-0.52	2.40e-03	1.14e-05	-0.30	0.0	0.85	0.81	3.53e-03	0.01	1.83e-03	-0.86
		-0.86	1.83e-03	-7.91e-05	0.0	52.6	0.85	0.51	3.53e-03	0.01	2.40e-03	-0.52
181	18	-0.66	2.23e-04	2.58e-05	-0.30	0.0	0.74	1.04	8.46e-03	9.34e-03	-3.30e-03	-1.13
		-1.13	-3.30e-03	-7.55e-05	0.0	52.6	0.74	0.74	8.46e-03	9.34e-03	2.23e-04	-0.66
181	19	-0.43	6.19e-03	2.33e-06	-0.23	0.0	0.71	0.57	-6.10e-04	0.02	6.19e-03	-0.67
		-0.67	4.26e-03	-8.49e-05	0.0	52.6	0.71	0.33	-6.10e-04	0.02	4.26e-03	-0.43
181	44	0.22	-0.02	6.32e-05	-0.30	0.0	-0.31	0.80	0.03	-0.06	-0.04	-0.12
		-0.12	-0.04	2.12e-04	0.0	52.6	-0.31	0.50	0.03	-0.06	-0.02	0.22
181	45	0.46	-0.02	3.98e-05	-0.23	0.0	-0.33	0.32	0.02	-0.05	-0.03	0.35
		0.35	-0.03	2.03e-04	0.0	52.6	-0.33	0.09	0.02	-0.05	-0.02	0.46
181	47	0.31	-0.02	5.41e-05	-0.23	0.0	-0.45	0.55	0.03	-0.05	-0.04	0.08
		0.08	-0.04	2.07e-04	0.0	52.6	-0.45	0.32	0.03	-0.05	-0.02	0.31
181	122	-6.53	0.09	-1.55e-04	-0.23	0.0	-4.53	0.11	-0.14	-0.02	0.09	-6.55
		-6.55	0.02	1.05e-04	0.0	52.6	-4.53	-0.13	-0.14	-0.02	0.02	-6.54
181	123	6.08	-0.03	2.03e-04	-0.23	0.0	5.12	1.16	0.16	5.49e-03	-0.11	5.54
		5.54	-0.11	-7.78e-05	0.0	52.6	5.12	0.93	0.16	5.49e-03	-0.03	6.08
181	129	0.60	-0.08	5.96e-05	-0.23	0.0	1.12	1.07	0.46	0.04	-0.33	0.14
		0.14	-0.33	-3.58e-04	0.0	52.6	1.12	0.84	0.46	0.04	-0.08	0.60
181	132	-1.06	0.30	-1.13e-05	-0.23	0.0	-0.53	0.20	-0.44	-0.06	0.30	-1.14
		-1.14	0.07	3.85e-04	0.0	52.6	-0.53	-0.04	-0.44	-0.06	0.07	-1.06
181	154	-7.30	0.11	-1.77e-04	-0.23	0.0	-5.13	0.04	-0.16	-0.02	0.11	-7.30
		-7.32	0.03	1.17e-04	0.0	52.6	-5.13	-0.19	-0.16	-0.02	0.03	-7.32
181	155	6.86	-0.03	2.25e-04	-0.23	0.0	5.72	1.23	0.18	7.26e-03	-0.13	6.29
		6.29	-0.13	-8.97e-05	0.0	52.6	5.72	1.00	0.18	7.26e-03	-0.03	6.86
181	161	0.71	-0.09	6.43e-05	-0.23	0.0	1.23	1.13	0.52	0.05	-0.37	0.22
		0.22	-0.37	-4.06e-04	0.0	52.6	1.23	0.90	0.52	0.05	-0.09	0.71
181	164	-1.17	0.35	-1.60e-05	-0.23	0.0	-0.64	0.14	-0.50	-0.06	0.35	-1.23
		-1.23	0.08	4.33e-04	0.0	52.6	-0.64	-0.09	-0.50	-0.06	0.08	-1.17
181	186	-7.19	0.11	-1.74e-04	-0.23	0.0	-5.03	0.04	-0.16	-0.02	0.11	-7.20
		-7.22	0.03	1.19e-04	0.0	52.6	-5.03	-0.19	-0.16	-0.02	0.03	-7.22
181	187	6.76	-0.04	2.23e-04	-0.23	0.0	5.61	1.23	0.18	7.12e-03	-0.13	6.19
		6.19	-0.13	-9.21e-05	0.0	52.6	5.61	1.00	0.18	7.12e-03	-0.04	6.76
181	193	0.73	-0.10	6.59e-05	-0.23	0.0	1.27	1.16	0.53	0.05	-0.38	0.22
		0.22	-0.38	-4.07e-04	0.0	52.6	1.27	0.92	0.53	0.05	-0.10	0.73
181	196	-1.19	0.35	-1.76e-05	-0.23	0.0	-0.68	0.11	-0.51	-0.06	0.35	-1.23
		-1.23	0.09	4.34e-04	0.0	52.6	-0.68	-0.12	-0.51	-0.06	0.09	-1.19
181	218	-8.29	0.13	-2.07e-04	-0.23	0.0	-5.90	-0.06	-0.19	-0.03	0.13	-8.29
		-8.36	0.03	1.39e-04	0.0	52.6	-5.90	-0.29	-0.19	-0.03	0.03	-8.36
181	219	7.90	-0.04	2.55e-04	-0.23	0.0	6.48	1.33	0.21	9.73e-03	-0.15	7.28
		7.28	-0.15	-1.12e-04	0.0	52.6	6.48	1.10	0.21	9.73e-03	-0.04	7.90
181	225	0.93	-0.11	7.48e-05	-0.23	0.0	1.48	1.26	0.64	0.05	-0.45	0.37
		0.37	-0.45	-4.85e-04	0.0	52.6	1.48	1.03	0.64	0.05	-0.11	0.93
181	228	-1.37	0.43	-2.66e-05	-0.23	0.0	-0.89	4.16e-03	-0.62	-0.07	0.43	-1.38
		-1.39	0.11	5.12e-04	0.0	52.6	-0.89	-0.23	-0.62	-0.07	0.11	-1.39
181	248	-0.34	1.63e-03	7.63e-06	-0.23	0.0	0.59	0.56	2.24e-03	8.86e-03	1.32e-03	-0.58
		-0.58	1.32e-03	-5.25e-05	0.0	52.6	0.59	0.33	2.24e-03	8.86e-03	1.63e-03	-0.34
181	249	-0.36	1.30e-03	8.99e-06	-0.23	0.0	0.62	0.60	3.01e-03	8.21e-03	5.16e-04	-0.61
		-0.61	5.16e-04	-5.15e-05	0.0	52.6	0.62	0.37	3.01e-03	8.21e-03	1.30e-03	-0.36
181	251	-0.45	-1.55e-04	1.85e-05	-0.23	0.0	0.54	0.75	6.29e-03	5.64e-03	-2.91e-03	-0.79
		-0.79	-2.91e-03	-4.91e-05	0.0	52.6	0.54	0.52	6.29e-03	5.64e-03	-1.55e-04	-0.45
181	261	0.25	-0.01	3.26e-05	-0.23	0.0	-0.10	0.40	0.02	-0.04	-0.03	0.10
		0.10	-0.03	1.39e-04	0.0	52.6	-0.10	0.17	0.02	-0.04	-0.01	0.25
181	263	0.15	-0.01	4.21e-05	-0.23	0.0	-0.18	0.55	0.02	-0.04	-0.03	-0.08
		-0.08	-0.03	1.42e-04	0.0	52.6	-0.18	0.32	0.02	-0.04	-0.01	0.15
181	264	0.14	-0.01	4.35e-05	-0.23	0.0	-0.15	0.59	0.02	-0.04	-0.03	-0.11
		-0.11	-0.03	1.43e-04	0.0	52.6	-0.15	0.35	0.02	-0.04	-0.01	0.14
181	302	-0.19	-2.26e-03	1.43e-05	-0.23	0.0	0.41	0.52	6.11e-03	-3.12e-03	-5.76e-03	-0.40
		-0.40	-5.76e-03	-1.36e-06	0.0	52.6	0.41	0.28	6.11e-03	-3.12e-03	-2.26e-03	-0.19
181	303	-0.27	-3.50e-03	2.25e-05	-0.23	0.0	0.34	0.65	8.93e-03	-5.32e-03	-8.69e-03	-0.55
		-0.55	-8.69e-03	0.0	0.0	52.6	0.34	0.41	8.93e-03	-5.32e-03	-3.50e-03	-0.27
181	304	-0.07	-5.18e-03	1.93e-05	-0.23	0.0	0.27	0.48	9.01e-03	-0.01	-0.01	-0.26
		-0.26	-0.01	3.70e-05	0.0	52.6	0.27	0.25	9.01e-03	-0.01	-5.18e-03	-0.07
181	305	-0.15	-6.42e-03	2.75e-05	-0.23	0.0	0.20	0.61	0.01	-0.01	-0.01	-0.41
		-0.41	-0.01	3.91e-05	0.0	52.6	0.20	0.38	0.01	-0.01	-6.42e-03	-0.15
181	309	-0.15	-3.23e-03	1.60e-05	-0.23	0.0	0.36	0.50	7.08e-03	-6.11e-03	-7.53e-03	-0.35
		-0.35	-7.53e-03	1.14e-05	0.0	52.6	0.36	0.27	7.08e-03	-6.11e-03	-3.23e-03	-0.15
181	310	-0.23	-4.47e-03	2.41e-05	-0.23	0.0	0.29	0.63	9.90e-03	-8.32e-03	-0.01	-0.50
		-0.50	-0.01	1.35e-05	0.0	52.6	0.29	0.40	9.90e-03	-8.32e-03	-4.47e-03	-0.23
182	16	0.0	1.25e-03	5.36e-06	-0.30	0.0	0.39	1.13	-1.39e-03	0.0	1.25e-03	-0.52
		-0.52	5.22e-04	-7.89e-05	0.0	52.6	0.39	0.83	-1.39e-03	0.0	5.22e-04	0.0
182	18	0.0	5.51e-04	1.78e-05	-0.30	0.0	0.10	1.41	2.14e-03	0.0	-5.73e-04	-0.66
		-0.66	-5.73e-04	-7.55e-05	0.0	52.6	0.10	1.11	2.14e-03	0.0	5.51e-04	0.0

182	19	0.0	2.79e-03	-3.90e-06	-0.23	0.0	0.33	0.93	-4.30e-03	0.0	2.79e-03	-0.43
		-0.43	5.26e-04	-8.45e-05	0.0	52.6	0.33	0.70	-4.30e-03	0.0	5.26e-04	0.0
182	31	0.02	-6.30e-04	5.68e-05	-0.23	0.0	-0.39	0.10	0.02	0.0	-0.01	7.22e-03
		0.0	-0.01	1.30e-04	0.0	52.6	-0.39	-0.13	0.02	0.0	-6.30e-04	0.0
182	44	0.22	-1.08e-03	7.63e-05	-0.30	0.0	-0.33	-0.27	0.03	0.0	-0.02	0.22
		0.0	-0.02	2.10e-04	0.0	52.6	-0.33	-0.57	0.03	0.0	-1.08e-03	0.0
182	45	0.46	-1.10e-03	5.46e-05	-0.23	0.0	-0.09	-0.75	0.02	0.0	-0.01	0.46
		0.0	-0.01	2.01e-04	0.0	52.6	-0.09	-0.98	0.02	0.0	-1.10e-03	0.0
182	122	0.0	0.02	-3.34e-04	-0.23	0.0	-1.47	12.55	-0.05	0.0	0.02	-6.54
		-6.54	-2.11e-03	1.08e-04	0.0	52.6	-1.47	12.32	-0.05	0.0	-2.11e-03	0.0
182	123	6.08	2.11e-03	3.81e-04	-0.23	0.0	1.50	-11.44	0.06	0.0	-0.03	6.08
		0.0	-0.03	-8.14e-05	0.0	52.6	1.50	-11.67	0.06	0.0	2.11e-03	0.0
182	129	0.60	7.73e-03	8.62e-05	-0.23	0.0	0.27	-1.03	0.18	0.0	-0.09	0.60
		0.0	-0.09	-3.84e-04	0.0	52.6	0.27	-1.26	0.18	0.0	7.73e-03	0.0
182	132	0.0	0.08	-3.87e-05	-0.23	0.0	-0.25	2.14	-0.16	0.0	0.08	-1.06
		-1.06	-7.73e-03	4.10e-04	0.0	52.6	-0.25	1.91	-0.16	0.0	-7.73e-03	0.0
182	154	0.0	0.03	-3.78e-04	-0.23	0.0	-1.66	14.04	-0.06	0.0	0.03	-7.32
		-7.32	-2.38e-03	1.20e-04	0.0	52.6	-1.66	13.81	-0.06	0.0	-2.38e-03	0.0
182	155	6.86	2.38e-03	4.26e-04	-0.23	0.0	1.68	-12.93	0.07	0.0	-0.04	6.86
		-1.02e-06	-0.04	-9.37e-05	0.0	52.6	1.68	-13.17	0.07	0.0	2.38e-03	-1.02e-06
182	161	0.71	8.72e-03	9.45e-05	-0.23	0.0	0.30	-1.23	0.20	0.0	-0.10	0.71
		0.0	-0.10	-4.34e-04	0.0	52.6	0.30	-1.47	0.20	0.0	8.72e-03	0.0
182	164	0.0	0.09	-4.70e-05	-0.23	0.0	-0.28	2.34	-0.19	0.0	0.09	-1.17
		-1.17	-8.72e-03	4.60e-04	0.0	52.6	-0.28	2.11	-0.19	0.0	-8.72e-03	0.0
182	186	0.0	0.03	-3.73e-04	-0.23	0.0	-1.63	13.84	-0.06	0.0	0.03	-7.22
		-7.22	-2.39e-03	1.22e-04	0.0	52.6	-1.63	13.61	-0.06	0.0	-2.39e-03	0.0
182	187	6.76	2.39e-03	4.20e-04	-0.23	0.0	1.65	-12.73	0.07	0.0	-0.04	6.76
		-1.01e-06	-0.04	-9.62e-05	0.0	52.6	1.65	-12.97	0.07	0.0	2.39e-03	-1.01e-06
182	193	0.73	8.65e-03	9.70e-05	-0.23	0.0	0.32	-1.27	0.21	0.0	-0.10	0.73
		0.0	-0.10	-4.34e-04	0.0	52.6	0.32	-1.51	0.21	0.0	8.65e-03	0.0
182	196	0.0	0.09	-4.94e-05	-0.23	0.0	-0.29	2.38	-0.19	0.0	0.09	-1.19
		-1.19	-8.65e-03	4.60e-04	0.0	52.6	-0.29	2.15	-0.19	0.0	-8.65e-03	0.0
182	218	0.0	0.04	-4.38e-04	-0.23	0.0	-1.89	16.03	-0.07	0.0	0.04	-8.36
		-8.36	-2.82e-03	1.43e-04	0.0	52.6	-1.89	15.80	-0.07	0.0	-2.82e-03	0.0
182	219	7.90	2.82e-03	4.86e-04	-0.23	0.0	1.92	-14.92	0.09	0.0	-0.04	7.90
		-1.15e-06	-0.04	-1.17e-04	0.0	52.6	1.92	-15.15	0.09	0.0	2.82e-03	-1.15e-06
182	225	0.93	0.01	1.12e-04	-0.23	0.0	0.38	-1.66	0.24	0.0	-0.12	0.93
		0.0	-0.12	-5.16e-04	0.0	52.6	0.38	-1.89	0.24	0.0	0.01	0.0
182	228	0.0	0.11	-6.50e-05	-0.23	0.0	-0.36	2.77	-0.23	0.0	0.11	-1.39
		-1.39	-0.01	5.43e-04	0.0	52.6	-0.36	2.54	-0.23	0.0	-0.01	0.0
182	248	0.0	8.63e-04	3.63e-06	-0.23	0.0	0.27	0.77	-9.82e-04	0.0	8.63e-04	-0.34
		-0.34	3.47e-04	-5.24e-05	0.0	52.6	0.27	0.54	-9.82e-04	0.0	3.47e-04	0.0
182	249	0.0	5.87e-04	5.09e-06	-0.23	0.0	0.29	0.79	-4.61e-04	0.0	5.87e-04	-0.36
		-0.36	3.45e-04	-5.14e-05	0.0	52.6	0.29	0.56	-4.61e-04	0.0	3.45e-04	0.0
182	251	0.0	3.64e-04	1.34e-05	-0.23	0.0	0.10	0.98	1.89e-03	0.0	-6.31e-04	-0.45
		-0.45	-6.31e-04	-4.91e-05	0.0	52.6	0.10	0.75	1.89e-03	0.0	3.64e-04	0.0
182	255	3.38e-04	-4.24e-04	4.41e-05	-0.23	0.0	-0.21	0.21	0.02	0.0	-8.65e-03	-0.05
		-0.05	-8.65e-03	9.06e-05	0.0	52.6	-0.21	-0.02	0.02	0.0	-4.24e-04	0.0
182	261	0.25	-7.41e-04	4.26e-05	-0.23	0.0	-0.01	-0.36	0.02	0.0	-9.73e-03	0.25
		0.0	-9.73e-03	1.38e-04	0.0	52.6	-0.01	-0.59	0.02	0.0	-7.41e-04	0.0
182	264	0.14	-7.24e-04	5.24e-05	-0.23	0.0	-0.18	-0.14	0.02	0.0	-0.01	0.14
		0.0	-0.01	1.41e-04	0.0	52.6	-0.18	-0.37	0.02	0.0	-7.24e-04	0.0
182	302	0.0	5.66e-05	1.40e-05	-0.23	0.0	0.20	0.47	3.84e-03	0.0	-1.96e-03	-0.19
		-0.19	-1.96e-03	-1.57e-06	0.0	52.6	0.20	0.24	3.84e-03	0.0	5.66e-05	0.0
182	303	0.0	7.27e-05	2.12e-05	-0.23	0.0	0.03	0.63	5.86e-03	0.0	-3.01e-03	-0.27
		-0.27	-3.01e-03	0.0	0.0	52.6	0.03	0.40	5.86e-03	0.0	7.27e-05	0.0
182	305	0.0	-1.45e-04	2.90e-05	-0.23	0.0	-0.03	0.40	9.47e-03	0.0	-5.13e-03	-0.15
		-0.15	-5.13e-03	3.85e-05	0.0	52.6	-0.03	0.17	9.47e-03	0.0	-1.45e-04	0.0
182	309	0.0	-1.59e-05	1.66e-05	-0.23	0.0	0.18	0.39	5.05e-03	0.0	-2.67e-03	-0.15
		-0.15	-2.67e-03	1.11e-05	0.0	52.6	0.18	0.16	5.05e-03	0.0	-1.59e-05	0.0
182	310	0.0	0.0	2.38e-05	-0.23	0.0	0.01	0.55	7.06e-03	0.0	-3.71e-03	-0.23
		-0.23	-3.71e-03	1.31e-05	0.0	52.6	0.01	0.32	7.06e-03	0.0	0.0	0.0
183	4	-2.95	6.20e-03	2.31e-04	-12.19	0.0	-2.76	4.39	0.01	-0.01	-2.57e-03	-3.42
		-4.42	-2.57e-03	-6.21e-06	0.0	59.1	-2.76	-7.79	0.01	-0.01	6.20e-03	-4.42
183	19	-0.87	9.31e-04	7.52e-05	-3.29	0.0	-0.67	0.74	-0.01	-0.01	9.31e-04	-0.92
		-1.46	-2.30e-03	0.0	0.0	59.1	-0.67	-2.55	-0.01	-0.01	-2.30e-03	-1.46
183	28	-2.95	0.02	2.41e-04	-12.19	0.0	-2.89	4.60	0.05	0.01	-7.24e-03	-3.47
		-4.35	-7.24e-03	-1.25e-05	0.0	59.1	-2.89	-7.58	0.05	0.01	0.02	-4.35
183	44	-2.55	0.02	2.15e-04	-10.03	0.0	-2.46	3.73	0.06	0.02	-8.84e-03	-2.96
		-3.72	-8.84e-03	-1.41e-05	0.0	59.1	-2.46	-6.30	0.06	0.02	0.02	-3.72
183	69	-0.86	2.46e-03	8.08e-05	-3.29	0.0	-0.77	0.88	6.99e-03	-2.79e-03	-2.05e-03	-0.93
		-1.38	-2.05e-03	-1.49e-06	0.0	59.1	-0.77	-2.41	6.99e-03	-2.79e-03	2.46e-03	-1.38
183	122	-1.22	-3.87e-03	6.98e-05	-6.48	0.0	-5.81	0.02	-0.07	-3.57e-03	-3.87e-03	-1.22
		-3.14	-0.04	3.58e-05	0.0	59.1	-5.81	-6.46	-0.07	-3.57e-03	-0.04	-3.14
183	123	-1.34	0.05	1.85e-04	-6.48	0.0	2.87	4.52	0.09	-6.55e-04	-8.98e-04	-2.29

		-2.29	-8.98e-04	-4.45e-05	0.0	59.1	2.87	-1.96	0.09	-6.55e-04	0.05	-1.51
183	134	-1.88	-7.86e-03	1.01e-04	-6.48	0.0	-4.64	0.35	-0.04	5.87e-03	-7.86e-03	-1.89
		-3.53	-0.03	1.41e-04	0.0	59.1	-4.64	-6.13	-0.04	5.87e-03	-0.03	-3.53
183	141	-0.82	3.02e-03	1.07e-04	-6.48	0.0	-1.50	2.70	2.38e-03	-6.74e-03	3.02e-03	-1.14
		-1.50	2.17e-03	-5.10e-05	0.0	59.1	-1.50	-3.78	2.38e-03	-6.74e-03	2.17e-03	-1.50
183	154	-1.15	-4.07e-03	6.27e-05	-6.48	0.0	-6.36	-0.26	-0.08	-3.74e-03	-4.07e-03	-1.15
		-3.25	-0.05	4.12e-05	0.0	59.1	-6.36	-6.74	-0.08	-3.74e-03	-0.05	-3.25
183	155	-1.29	0.06	1.92e-04	-6.48	0.0	3.42	4.80	0.10	-4.92e-04	-7.00e-04	-2.36
		-2.36	-7.00e-04	-4.99e-05	0.0	59.1	3.42	-1.68	0.10	-4.92e-04	0.06	-1.41
183	166	-1.91	-8.59e-03	9.77e-05	-6.48	0.0	-5.05	0.10	-0.05	6.91e-03	-8.59e-03	-1.91
		-3.68	-0.04	1.61e-04	0.0	59.1	-5.05	-6.38	-0.05	6.91e-03	-0.04	-3.68
183	173	-0.73	3.73e-03	1.05e-04	-6.48	0.0	-1.50	2.75	1.02e-03	-7.29e-03	3.73e-03	-1.06
		-1.39	1.75e-03	-5.72e-05	0.0	59.1	-1.50	-3.73	1.02e-03	-7.29e-03	1.75e-03	-1.39
183	186	-1.17	-4.14e-03	6.38e-05	-6.48	0.0	-6.31	-0.24	-0.08	-3.57e-03	-4.14e-03	-1.17
		-3.25	-0.05	4.33e-05	0.0	59.1	-6.31	-6.72	-0.08	-3.57e-03	-0.05	-3.25
183	187	-1.28	0.06	1.91e-04	-6.48	0.0	3.37	4.78	0.10	-6.58e-04	-6.33e-04	-2.34
		-2.34	-6.33e-04	-5.20e-05	0.0	59.1	3.37	-1.70	0.10	-6.58e-04	0.06	-1.41
183	198	-1.92	-8.81e-03	9.82e-05	-6.48	0.0	-5.09	0.07	-0.05	7.14e-03	-8.81e-03	-1.92
		-3.72	-0.04	1.68e-04	0.0	59.1	-5.09	-6.41	-0.05	7.14e-03	-0.04	-3.72
183	205	-0.71	3.89e-03	1.05e-04	-6.48	0.0	-1.47	2.78	5.67e-04	-7.04e-03	3.89e-03	-1.05
		-1.36	1.72e-03	-5.92e-05	0.0	59.1	-1.47	-3.70	5.67e-04	-7.04e-03	1.72e-03	-1.36
183	218	-1.08	-4.50e-03	5.34e-05	-6.48	0.0	-7.12	-0.66	-0.09	-3.68e-03	-4.50e-03	-1.08
		-3.41	-0.06	5.33e-05	0.0	59.1	-7.12	-7.14	-0.09	-3.68e-03	-0.06	-3.41
183	219	-1.17	0.07	2.01e-04	-6.48	0.0	4.18	5.20	0.12	-5.45e-04	-2.71e-04	-2.43
		-2.43	-2.71e-04	-6.20e-05	0.0	59.1	4.18	-1.28	0.12	-5.45e-04	0.07	-1.24
183	230	-1.96	-0.01	9.33e-05	-6.48	0.0	-5.76	-0.34	-0.06	9.04e-03	-0.01	-1.96
		-4.00	-0.05	2.04e-04	0.0	59.1	-5.76	-6.82	-0.06	9.04e-03	-0.05	-4.00
183	231	-0.52	0.06	1.61e-04	-6.48	0.0	2.82	4.88	0.09	-0.01	5.36e-03	-1.55
		-1.55	5.36e-03	-2.12e-04	0.0	59.1	2.82	-1.59	0.09	-0.01	0.06	-0.65
183	244	-2.04	4.54e-03	1.61e-04	-8.39	0.0	-1.90	2.98	8.36e-03	-7.48e-03	-1.89e-03	-2.35
		-3.07	-1.89e-03	-4.41e-06	0.0	59.1	-1.90	-5.42	8.36e-03	-7.48e-03	4.54e-03	-3.07
183	248	-0.97	1.04e-04	8.32e-05	-3.61	0.0	-0.77	0.90	-2.97e-03	-9.02e-03	-2.46e-05	-1.03
		-1.57	-2.46e-05	0.0	0.0	59.1	-0.77	-2.70	-2.97e-03	-9.02e-03	1.04e-04	-1.57
183	256	-2.04	0.01	1.68e-04	-8.39	0.0	-1.98	3.12	0.03	7.05e-03	-5.00e-03	-2.38
		-3.02	-5.00e-03	-8.58e-06	0.0	59.1	-1.98	-5.28	0.03	7.05e-03	0.01	-3.02
183	264	-1.77	0.02	1.51e-04	-6.96	0.0	-1.70	2.53	0.04	0.01	-6.07e-03	-2.05
		-2.60	-6.07e-03	-9.69e-06	0.0	59.1	-1.70	-4.42	0.04	0.01	0.02	-2.60
183	273	-0.95	3.28e-03	8.69e-05	-3.61	0.0	-0.83	1.00	8.41e-03	-2.23e-03	-2.01e-03	-1.04
		-1.51	-2.01e-03	-2.05e-06	0.0	59.1	-0.83	-2.61	8.41e-03	-2.23e-03	3.28e-03	-1.51
183	298	-1.61	5.73e-03	1.34e-04	-6.96	0.0	-1.58	2.49	0.01	-2.31e-03	-2.49e-03	-1.87
		-2.46	-2.49e-03	-4.59e-06	0.0	59.1	-1.58	-4.47	0.01	-2.31e-03	5.73e-03	-2.46
183	302	-0.97	3.53e-03	8.62e-05	-3.61	0.0	-0.80	0.97	7.49e-03	-2.56e-03	-1.41e-03	-1.05
		-1.54	-1.41e-03	-2.38e-06	0.0	59.1	-0.80	-2.64	7.49e-03	-2.56e-03	3.53e-03	-1.54
183	305	-1.52	7.25e-03	1.29e-04	-6.48	0.0	-1.49	2.30	0.02	1.12e-03	-3.08e-03	-1.76
		-2.32	-3.08e-03	-5.27e-06	0.0	59.1	-1.49	-4.18	0.02	1.12e-03	7.25e-03	-2.32
183	306	-0.97	4.16e-03	8.69e-05	-3.61	0.0	-0.82	0.98	9.76e-03	-1.21e-03	-1.81e-03	-1.05
		-1.53	-1.81e-03	-2.68e-06	0.0	59.1	-0.82	-2.62	9.76e-03	-1.21e-03	4.16e-03	-1.53
183	309	-0.97	4.39e-03	8.69e-05	-3.61	0.0	-0.81	0.98	0.01	-9.50e-04	-1.75e-03	-1.05
		-1.54	-1.75e-03	-2.84e-06	0.0	59.1	-0.81	-2.63	0.01	-9.50e-04	4.39e-03	-1.54
183	310	-1.52	5.54e-03	1.27e-04	-6.48	0.0	-1.47	2.27	0.01	-2.11e-03	-2.38e-03	-1.75
		-2.33	-2.38e-03	-4.34e-06	0.0	59.1	-1.47	-4.21	0.01	-2.11e-03	5.54e-03	-2.33
184	4	-3.42	6.36e-03	1.46e-04	-10.85	0.0	-1.47	6.45	-0.03	-0.02	6.36e-03	-4.43
		-4.43	-0.01	-4.72e-06	0.0	52.6	-1.47	-4.39	-0.03	-0.02	-0.01	-3.89
184	9	-2.33	8.28e-03	9.00e-05	-4.46	0.0	-0.66	2.63	-0.03	-0.01	8.28e-03	-2.74
		-2.74	-6.76e-03	-2.09e-06	0.0	52.6	-0.66	-1.83	-0.03	-0.01	-6.76e-03	-2.53
184	45	-1.06	7.79e-04	6.34e-05	-2.93	0.0	-0.25	1.83	0.01	0.04	-1.03e-04	-1.36
		-1.36	-1.03e-04	-7.53e-06	0.0	52.6	-0.25	-1.10	0.01	0.04	7.79e-04	-1.16
184	122	-2.62	-4.67e-03	1.47e-05	-5.77	0.0	-5.37	2.12	-0.02	-1.97e-03	-4.67e-03	-2.87
		-3.15	-0.01	3.31e-05	0.0	52.6	-5.37	-3.65	-0.02	-1.97e-03	-0.01	-3.15
184	123	-0.91	0.01	1.49e-04	-5.77	0.0	3.90	4.65	-0.01	-1.96e-03	0.01	-1.79
		-1.79	4.52e-03	-3.97e-05	0.0	52.6	3.90	-1.12	-0.01	-1.96e-03	4.52e-03	-1.00
184	130	-2.84	-0.02	4.06e-05	-5.77	0.0	-3.53	2.84	8.94e-04	0.01	-0.02	-3.35
		-3.35	-0.02	1.20e-04	0.0	52.6	-3.53	-2.92	8.94e-04	0.01	-0.02	-3.10
184	131	-0.79	0.02	1.23e-04	-5.77	0.0	2.06	3.92	-0.03	-0.01	0.02	-1.31
		-1.31	6.91e-03	-1.26e-04	0.0	52.6	2.06	-1.84	-0.03	-0.01	6.91e-03	-1.04
184	135	-0.74	0.02	1.31e-04	-5.77	0.0	2.41	4.07	-0.03	-0.02	0.02	-1.32
		-1.32	6.66e-03	-1.32e-04	0.0	52.6	2.41	-1.70	-0.03	-0.02	6.66e-03	-0.96
184	154	-2.71	-5.67e-03	6.33e-06	-5.77	0.0	-5.95	1.96	-0.02	-1.93e-03	-5.67e-03	-2.94
		-3.28	-0.02	3.80e-05	0.0	52.6	-5.95	-3.81	-0.02	-1.93e-03	-0.02	-3.28
184	155	-0.79	0.01	1.58e-04	-5.77	0.0	4.48	4.81	-0.01	-2.00e-03	0.01	-1.73
		-1.73	5.72e-03	-4.46e-05	0.0	52.6	4.48	-0.96	-0.01	-2.00e-03	5.72e-03	-0.86
184	162	-2.97	-0.02	3.53e-05	-5.77	0.0	-3.88	2.78	3.09e-03	0.01	-0.02	-3.49
		-3.49	-0.02	1.36e-04	0.0	52.6	-3.88	-2.99	3.09e-03	0.01	-0.02	-3.23
184	163	-0.65	0.03	1.29e-04	-5.77	0.0	2.41	3.99	-0.03	-0.02	0.03	-1.18
		-1.18	8.47e-03	-1.42e-04	0.0	52.6	2.41	-1.78	-0.03	-0.02	8.47e-03	-0.91

184	167	-0.60	0.02	1.37e-04	-5.77	0.0	2.81	4.15	-0.03	-0.02	0.02	-1.19
		-1.19	8.19e-03	-1.49e-04	0.0	52.6	2.81	-1.61	-0.03	-0.02	8.19e-03	-0.81
184	186	-2.71	-5.76e-03	7.11e-06	-5.77	0.0	-5.89	1.99	-0.02	-1.63e-03	-5.76e-03	-2.94
		-3.28	-0.02	3.98e-05	0.0	52.6	-5.89	-3.78	-0.02	-1.63e-03	-0.02	-3.28
184	187	-0.80	0.01	1.57e-04	-5.77	0.0	4.42	4.78	-0.01	-2.30e-03	0.01	-1.73
		-1.73	5.71e-03	-4.64e-05	0.0	52.6	4.42	-0.99	-0.01	-2.30e-03	5.71e-03	-0.87
184	194	-3.00	-0.02	3.48e-05	-5.77	0.0	-3.90	2.80	3.49e-03	0.01	-0.02	-3.53
		-3.53	-0.02	1.40e-04	0.0	52.6	-3.90	-2.96	3.49e-03	0.01	-0.02	-3.26
184	195	-0.62	0.03	1.29e-04	-5.77	0.0	2.43	3.96	-0.04	-0.02	0.03	-1.14
		-1.14	8.77e-03	-1.47e-04	0.0	52.6	2.43	-1.81	-0.04	-0.02	8.77e-03	-0.88
184	199	-0.57	0.02	1.37e-04	-5.77	0.0	2.83	4.13	-0.03	-0.02	0.02	-1.16
		-1.16	8.52e-03	-1.55e-04	0.0	52.6	2.83	-1.64	-0.03	-0.02	8.52e-03	-0.78
184	218	-2.86	-7.45e-03	-7.81e-06	-5.77	0.0	-6.75	1.76	-0.02	-1.34e-03	-7.45e-03	-3.05
		-3.48	-0.02	4.88e-05	0.0	52.6	-6.75	-4.01	-0.02	-1.34e-03	-0.02	-3.48
184	219	-0.61	0.01	1.69e-04	-5.77	0.0	5.28	5.01	-0.01	-2.59e-03	0.01	-1.61
		-1.61	7.58e-03	-5.54e-05	0.0	52.6	5.28	-0.76	-0.01	-2.59e-03	7.58e-03	-0.66
184	226	-3.24	-0.02	2.59e-05	-5.77	0.0	-4.49	2.71	7.37e-03	0.02	-0.03	-3.77
		-3.77	-0.03	1.69e-04	0.0	52.6	-4.49	-3.06	7.37e-03	0.02	-0.02	-3.50
184	227	-0.38	0.03	1.38e-04	-5.77	0.0	3.02	4.06	-0.04	-0.02	0.03	-0.90
		-0.90	0.01	-1.76e-04	0.0	52.6	3.02	-1.71	-0.04	-0.02	0.01	-0.65
184	231	-0.32	0.03	1.48e-04	-5.77	0.0	3.48	4.25	-0.03	-0.02	0.03	-0.92
		-0.92	0.01	-1.86e-04	0.0	52.6	3.48	-1.51	-0.03	-0.02	0.01	-0.53
184	244	-2.39	4.59e-03	1.03e-04	-7.47	0.0	-1.00	4.42	-0.02	-0.01	4.59e-03	-3.08
		-3.08	-7.05e-03	-3.34e-06	0.0	52.6	-1.00	-3.05	-0.02	-0.01	-7.05e-03	-2.71
184	245	-1.66	5.88e-03	6.50e-05	-3.21	0.0	-0.46	1.87	-0.02	-9.11e-03	5.88e-03	-1.95
		-1.95	-4.84e-03	-1.59e-06	0.0	52.6	-0.46	-1.34	-0.02	-9.11e-03	-4.84e-03	-1.81
184	261	-1.19	1.13e-03	6.35e-05	-3.21	0.0	-0.32	1.95	2.04e-03	0.03	1.13e-03	-1.50
		-1.50	-7.91e-04	-5.78e-06	0.0	52.6	-0.32	-1.26	2.04e-03	0.03	-7.91e-04	-1.32
184	298	-1.90	3.09e-03	8.63e-05	-6.19	0.0	-0.79	3.64	-0.02	-2.11e-03	3.09e-03	-2.47
		-2.47	-5.24e-03	-3.51e-06	0.0	52.6	-0.79	-2.55	-0.02	-2.11e-03	-5.24e-03	-2.18
184	299	-1.34	3.71e-03	5.83e-05	-3.21	0.0	-0.41	1.84	-0.01	-1.13e-03	3.71e-03	-1.62
		-1.62	-3.62e-03	-2.19e-06	0.0	52.6	-0.41	-1.37	-0.01	-1.13e-03	-3.62e-03	-1.49
184	303	-1.82	3.34e-03	8.12e-05	-5.77	0.0	-0.74	3.37	-0.02	-4.60e-03	3.34e-03	-2.34
		-2.34	-5.27e-03	-2.93e-06	0.0	52.6	-0.74	-2.40	-0.02	-4.60e-03	-5.27e-03	-2.08
184	304	-1.25	2.89e-03	5.76e-05	-3.21	0.0	-0.38	1.85	-0.01	4.16e-03	2.89e-03	-1.53
		-1.53	-2.97e-03	-2.80e-06	0.0	52.6	-0.38	-1.36	-0.01	4.16e-03	-2.97e-03	-1.40
184	309	-1.26	3.33e-03	5.61e-05	-3.21	0.0	-0.40	1.83	-0.01	-1.10e-03	3.33e-03	-1.54
		-1.54	-3.52e-03	-2.06e-06	0.0	52.6	-0.40	-1.38	-0.01	-1.10e-03	-3.52e-03	-1.42
184	310	-1.81	3.12e-03	8.20e-05	-5.77	0.0	-0.73	3.38	-0.02	-1.97e-03	3.12e-03	-2.33
		-2.33	-5.00e-03	-3.30e-06	0.0	52.6	-0.73	-2.38	-0.02	-1.97e-03	-5.00e-03	-2.07
185	4	-3.10	0.01	1.28e-04	-10.85	0.0	-0.61	5.71	0.04	-5.50e-03	-9.67e-03	-3.89
		-3.89	-9.67e-03	-5.62e-06	0.0	52.6	-0.61	-5.14	0.04	-5.50e-03	0.01	-3.74
185	44	-2.46	0.02	1.26e-04	-8.93	0.0	-0.50	5.03	0.04	0.02	-4.89e-03	-3.20
		-3.20	-4.89e-03	-1.18e-05	0.0	52.6	-0.50	-3.90	0.04	0.02	0.02	-2.91
185	45	-0.90	0.01	5.71e-05	-2.93	0.0	-0.14	1.73	0.03	0.02	-4.81e-04	-1.16
		-1.16	-4.81e-04	-7.88e-06	0.0	52.6	-0.14	-1.20	0.03	0.02	0.01	-1.02
185	52	-3.01	0.01	1.32e-04	-10.85	0.0	-0.63	5.81	0.04	3.50e-04	-8.98e-03	-3.82
		-3.82	-8.98e-03	-6.68e-06	0.0	52.6	-0.63	-5.03	0.04	3.50e-04	0.01	-3.62
185	93	-1.15	5.80e-03	4.57e-05	-2.93	0.0	-0.10	1.43	0.02	-7.96e-04	-3.18e-03	-1.33
		-1.35	-3.18e-03	-2.81e-06	0.0	52.6	-0.10	-1.50	0.02	-7.96e-04	5.80e-03	-1.35
185	122	-3.06	-0.01	-3.18e-06	-5.77	0.0	-4.47	1.33	-0.12	3.53e-03	-0.01	-3.15
		-3.95	-0.08	3.25e-05	0.0	52.6	-4.47	-4.43	-0.12	3.53e-03	-0.08	-3.95
185	123	-2.64e-03	0.09	1.42e-04	-5.77	0.0	3.88	4.69	0.17	-3.74e-03	4.63e-03	-1.00
		-1.00	4.63e-03	-4.01e-05	0.0	52.6	3.88	-1.07	0.17	-3.74e-03	0.09	-0.06
185	154	-3.22	-0.02	-7.66e-06	-5.77	0.0	-5.00	1.12	-0.14	4.04e-03	-0.02	-3.28
		-4.19	-0.09	3.74e-05	0.0	52.6	-5.00	-4.64	-0.14	4.04e-03	-0.09	-4.19
185	155	0.22	0.10	1.51e-04	-5.77	0.0	4.40	4.90	0.19	-4.26e-03	5.85e-03	-0.86
		-0.86	5.85e-03	-4.50e-05	0.0	52.6	4.40	-0.86	0.19	-4.26e-03	0.10	0.19
185	186	-3.21	-0.02	-7.13e-06	-5.77	0.0	-4.94	1.15	-0.14	4.43e-03	-0.02	-3.28
		-4.18	-0.09	3.92e-05	0.0	52.6	-4.94	-4.62	-0.14	4.43e-03	-0.09	-4.18
185	187	0.21	0.10	1.50e-04	-5.77	0.0	4.34	4.88	0.19	-4.64e-03	5.89e-03	-0.87
		-0.87	5.89e-03	-4.68e-05	0.0	52.6	4.34	-0.89	0.19	-4.64e-03	0.10	0.17
185	218	-3.45	-0.02	-1.80e-05	-5.77	0.0	-5.70	0.83	-0.17	5.51e-03	-0.02	-3.48
		-4.55	-0.10	4.81e-05	0.0	52.6	-5.70	-4.93	-0.17	5.51e-03	-0.10	-4.55
185	219	0.56	0.12	1.63e-04	-5.77	0.0	5.10	5.19	0.21	-5.72e-03	7.83e-03	-0.66
		-0.66	7.83e-03	-5.57e-05	0.0	52.6	5.10	-0.57	0.21	-5.72e-03	0.12	0.54
185	244	-2.18	7.47e-03	9.00e-05	-7.47	0.0	-0.41	3.91	0.03	-3.68e-03	-6.78e-03	-2.71
		-2.71	-6.78e-03	-3.98e-06	0.0	52.6	-0.41	-3.56	0.03	-3.68e-03	7.47e-03	-2.62
185	261	-1.05	9.79e-03	5.67e-05	-3.21	0.0	-0.15	1.79	0.02	0.01	-1.63e-03	-1.32
		-1.32	-1.63e-03	-6.16e-06	0.0	52.6	-0.15	-1.42	0.02	0.01	9.79e-03	-1.22
185	264	-1.75	0.01	8.82e-05	-6.19	0.0	-0.34	3.46	0.03	0.01	-3.59e-03	-2.25
		-2.25	-3.59e-03	-8.12e-06	0.0	52.6	-0.34	-2.73	0.03	0.01	0.01	-2.06
185	268	-2.11	8.41e-03	9.24e-05	-7.47	0.0	-0.43	3.98	0.03	2.17e-04	-6.32e-03	-2.67
		-2.67	-6.32e-03	-4.69e-06	0.0	52.6	-0.43	-3.49	0.03	2.17e-04	8.41e-03	-2.54
185	285	-1.22	5.99e-03	4.91e-05	-3.21	0.0	-0.13	1.59	0.02	-6.02e-04	-3.42e-03	-1.43

		-1.44	-3.42e-03	-2.78e-06	0.0	52.6	-0.13	-1.62	0.02	-6.02e-04	5.99e-03	-1.44
185	298	-1.73	7.10e-03	7.62e-05	-6.19	0.0	-0.33	3.25	0.02	-9.24e-05	-5.24e-03	-2.18
		-2.18	-5.24e-03	-4.04e-06	0.0	52.6	-0.33	-2.94	0.02	-9.24e-05	7.10e-03	-2.10
185	304	-1.18	6.58e-03	5.07e-05	-3.21	0.0	-0.14	1.64	0.02	2.08e-03	-3.13e-03	-1.40
		-1.40	-3.13e-03	-3.19e-06	0.0	52.6	-0.14	-1.57	0.02	2.08e-03	6.58e-03	-1.38
185	305	-1.63	7.72e-03	7.38e-05	-5.77	0.0	-0.30	3.05	0.02	2.16e-03	-4.61e-03	-2.05
		-2.05	-4.61e-03	-4.56e-06	0.0	52.6	-0.30	-2.72	0.02	2.16e-03	7.72e-03	-1.96
185	308	-1.21	5.82e-03	4.92e-05	-3.21	0.0	-0.14	1.60	0.02	-2.71e-04	-3.49e-03	-1.42
		-1.42	-3.49e-03	-2.51e-06	0.0	52.6	-0.14	-1.61	0.02	-2.71e-04	5.82e-03	-1.42
185	309	-1.21	5.77e-03	4.92e-05	-3.21	0.0	-0.14	1.60	0.02	-1.89e-04	-3.51e-03	-1.42
		-1.42	-3.51e-03	-2.44e-06	0.0	52.6	-0.14	-1.61	0.02	-1.89e-04	5.77e-03	-1.42
185	310	-1.66	6.91e-03	7.23e-05	-5.77	0.0	-0.30	3.01	0.02	-1.06e-04	-4.99e-03	-2.07
		-2.07	-4.99e-03	-3.82e-06	0.0	52.6	-0.30	-2.75	0.02	-1.06e-04	6.91e-03	-2.00
186	4	-1.86	0.01	7.31e-05	-10.85	0.0	-0.25	8.81	-0.03	-1.61e-04	0.01	-3.74
		-3.74	-4.04e-03	-4.26e-06	0.0	52.6	-0.25	-2.04	-0.03	-1.61e-04	-4.04e-03	-1.96
186	18	-1.76	8.31e-03	5.89e-05	-8.93	0.0	-0.23	7.39	-0.02	-7.23e-05	8.31e-03	-3.36
		-3.36	-4.48e-03	-2.28e-06	0.0	52.6	-0.23	-1.54	-0.02	-7.23e-05	-4.48e-03	-1.83
186	44	-1.23	0.02	8.20e-05	-8.93	0.0	-0.08	7.56	-0.03	-1.79e-03	0.02	-2.91
		-2.91	1.85e-03	-1.03e-05	0.0	52.6	-0.08	-1.37	-0.03	-1.79e-03	1.85e-03	-1.28
186	45	-0.34	0.01	4.07e-05	-2.93	0.0	0.06	2.75	-0.02	-1.50e-03	0.01	-1.02
		-1.02	3.26e-03	-6.99e-06	0.0	52.6	0.06	-0.18	-0.02	-1.50e-03	3.26e-03	-0.35
186	122	-3.59	-0.01	-4.23e-05	-5.77	0.0	-3.48	2.89	0.13	6.79e-03	-0.08	-3.95
		-4.00	-0.08	3.70e-05	0.0	52.6	-3.48	-2.87	0.13	6.79e-03	-0.01	-4.00
186	123	1.94	0.09	1.27e-04	-5.77	0.0	3.27	6.57	-0.16	-7.16e-03	0.09	-0.06
		-0.06	0.01	-4.30e-05	0.0	52.6	3.27	0.80	-0.16	-7.16e-03	0.01	1.94
186	154	-3.90	-0.02	-5.29e-05	-5.77	0.0	-3.90	2.67	0.14	7.74e-03	-0.09	-4.19
		-4.37	-0.09	4.23e-05	0.0	52.6	-3.90	-3.10	0.14	7.74e-03	-0.02	-4.37
186	155	2.31	0.11	1.37e-04	-5.77	0.0	3.69	6.79	-0.18	-8.11e-03	0.11	0.19
		0.19	0.01	-4.83e-05	0.0	52.6	3.69	1.03	-0.18	-8.11e-03	0.01	2.31
186	186	-3.87	-0.01	-5.24e-05	-5.77	0.0	-3.84	2.70	0.14	8.24e-03	-0.09	-4.18
		-4.33	-0.09	4.38e-05	0.0	52.6	-3.84	-3.06	0.14	8.24e-03	-0.01	-4.33
186	187	2.26	0.10	1.37e-04	-5.77	0.0	3.63	6.76	-0.17	-8.62e-03	0.10	0.17
		0.17	0.01	-4.98e-05	0.0	52.6	3.63	0.99	-0.17	-8.62e-03	0.01	2.26
186	218	-4.31	-0.02	-6.85e-05	-5.77	0.0	-4.46	2.38	0.17	0.01	-0.11	-4.55
		-4.87	-0.11	5.31e-05	0.0	52.6	-4.46	-3.39	0.17	0.01	-0.02	-4.87
186	219	2.81	0.12	1.53e-04	-5.77	0.0	4.24	7.08	-0.20	-0.01	0.12	0.54
		0.54	0.01	-5.91e-05	0.0	52.6	4.24	1.32	-0.20	-0.01	0.01	2.81
186	244	-1.31	7.47e-03	5.11e-05	-7.47	0.0	-0.17	6.10	-0.02	-1.47e-04	7.47e-03	-2.62
		-2.62	-2.79e-03	-3.01e-06	0.0	52.6	-0.17	-1.37	-0.02	-1.47e-04	-2.79e-03	-1.38
186	251	-1.24	6.11e-03	4.16e-05	-6.19	0.0	-0.16	5.15	-0.02	-8.73e-05	6.11e-03	-2.37
		-2.37	-3.08e-03	-1.69e-06	0.0	52.6	-0.16	-1.04	-0.02	-8.73e-05	-3.08e-03	-1.29
186	261	-0.51	9.76e-03	3.75e-05	-3.21	0.0	0.01	2.94	-0.02	-1.14e-03	9.76e-03	-1.22
		-1.22	1.80e-03	-5.32e-06	0.0	52.6	0.01	-0.27	-0.02	-1.14e-03	1.80e-03	-0.51
186	264	-0.89	0.01	5.70e-05	-6.19	0.0	-0.06	5.27	-0.02	-1.23e-03	0.01	-2.06
		-2.06	1.14e-03	-7.00e-06	0.0	52.6	-0.06	-0.93	-0.02	-1.23e-03	1.14e-03	-0.92
186	298	-1.02	7.08e-03	4.46e-05	-6.19	0.0	-0.12	5.04	-0.02	-1.56e-04	7.08e-03	-2.10
		-2.10	-1.65e-03	-3.20e-06	0.0	52.6	-0.12	-1.15	-0.02	-1.56e-04	-1.65e-03	-1.08
186	303	-1.01	6.50e-03	4.11e-05	-5.77	0.0	-0.11	4.72	-0.02	-1.11e-04	6.50e-03	-2.02
		-2.02	-1.84e-03	-2.65e-06	0.0	52.6	-0.11	-1.04	-0.02	-1.11e-04	-1.84e-03	-1.06
186	304	-0.70	6.57e-03	2.93e-05	-3.21	0.0	-0.04	2.88	-0.01	-5.27e-04	6.57e-03	-1.38
		-1.38	-4.52e-04	-2.49e-06	0.0	52.6	-0.04	-0.33	-0.01	-5.27e-04	-4.52e-04	-0.71
186	305	-0.94	7.69e-03	4.42e-05	-5.77	0.0	-0.09	4.75	-0.02	-3.40e-04	7.69e-03	-1.96
		-1.96	-9.98e-04	-3.71e-06	0.0	52.6	-0.09	-1.02	-0.02	-3.40e-04	-9.98e-04	-0.98
186	309	-0.75	5.77e-03	2.73e-05	-3.21	0.0	-0.05	2.87	-0.01	-3.74e-04	5.77e-03	-1.42
		-1.42	-1.01e-03	-1.78e-06	0.0	52.6	-0.05	-0.34	-0.01	-3.74e-04	-1.01e-03	-0.76
186	310	-0.98	6.90e-03	4.21e-05	-5.77	0.0	-0.11	4.73	-0.02	-1.87e-04	6.90e-03	-2.00
		-2.00	-1.56e-03	-3.00e-06	0.0	52.6	-0.11	-1.04	-0.02	-1.87e-04	-1.56e-03	-1.03
187	4	-0.53	-4.01e-03	7.43e-05	-10.85	0.0	0.55	7.69	5.88e-04	1.50e-03	-4.11e-03	-1.96
		-1.96	-4.11e-03	-4.63e-06	0.0	52.6	0.55	-3.15	5.88e-04	1.50e-03	-4.01e-03	-0.76
187	21	-0.45	-4.20e-03	4.37e-05	-7.40	0.0	0.37	5.11	-0.01	4.01e-03	-4.20e-03	-1.37
		-1.37	-0.01	-1.43e-06	0.0	52.6	0.37	-2.29	-0.01	4.01e-03	-0.01	-0.63
187	42	0.03	0.03	5.84e-05	-4.46	0.0	0.26	3.74	0.05	-0.01	3.29e-03	-0.80
		-0.80	3.29e-03	-8.23e-06	0.0	52.6	0.26	-0.71	0.05	-0.01	0.03	-3.33e-03
187	47	0.20	0.03	6.98e-05	-7.40	0.0	0.34	5.38	0.04	-9.61e-03	2.76e-03	-0.83
		-0.83	2.76e-03	-9.26e-06	0.0	52.6	0.34	-2.02	0.04	-9.61e-03	0.03	0.06
187	69	-0.25	-1.27e-03	2.68e-05	-2.93	0.0	0.14	2.23	-5.83e-03	1.61e-04	-1.27e-03	-0.70
		-0.70	-4.34e-03	0.0	0.0	52.6	0.14	-0.70	-5.83e-03	1.61e-04	-4.34e-03	-0.30
187	76	-0.40	5.85e-03	7.91e-05	-10.85	0.0	0.55	7.76	0.02	-1.45e-03	-2.62e-03	-1.85
		-1.85	-2.62e-03	-6.49e-06	0.0	52.6	0.55	-3.09	0.02	-1.45e-03	5.85e-03	-0.62
187	122	-3.85	-0.01	-4.90e-05	-5.77	0.0	-1.58	2.05	-0.28	0.01	-0.01	-4.00
		-4.56	-0.16	3.67e-05	0.0	52.6	-1.58	-3.72	-0.28	0.01	-0.16	-4.56
187	123	3.83	0.17	1.35e-04	-5.77	0.0	2.17	6.24	0.30	-0.01	0.01	1.94
		1.94	0.01	-4.30e-05	0.0	52.6	2.17	0.47	0.30	-0.01	0.17	3.83
187	125	-3.44	-0.02	-3.71e-05	-5.77	0.0	-1.86	1.75	-0.41	-3.90e-03	-0.02	-3.52
		-4.34	-0.23	-1.27e-05	0.0	52.6	-1.86	-4.02	-0.41	-3.90e-03	-0.23	-4.34

187	128	3.60	0.24	1.23e-04	-5.77	0.0	2.46	6.54	0.42	2.72e-03	0.01	1.45
		1.45	0.01	6.29e-06	0.0	52.6	2.46	0.77	0.42	2.72e-03	0.24	3.60
187	154	-4.26	-0.02	-6.05e-05	-5.77	0.0	-1.81	1.78	-0.32	0.01	-0.02	-4.37
		-5.09	-0.19	4.19e-05	0.0	52.6	-1.81	-3.98	-0.32	0.01	-0.19	-5.09
187	155	4.35	0.19	1.46e-04	-5.77	0.0	2.41	6.50	0.33	-0.01	0.01	2.31
		2.31	0.01	-4.83e-05	0.0	52.6	2.41	0.74	0.33	-0.01	0.19	4.35
187	157	-3.78	-0.02	-4.69e-05	-5.77	0.0	-2.13	1.45	-0.46	-4.36e-03	-0.02	-3.83
		-4.83	-0.26	-1.40e-05	0.0	52.6	-2.13	-4.31	-0.46	-4.36e-03	-0.26	-4.83
187	160	4.09	0.26	1.33e-04	-5.77	0.0	2.73	6.83	0.48	3.18e-03	0.01	1.76
		1.76	0.01	7.62e-06	0.0	52.6	2.73	1.07	0.48	3.18e-03	0.26	4.09
187	186	-4.21	-0.01	-6.01e-05	-5.77	0.0	-1.79	1.81	-0.31	0.01	-0.01	-4.33
		-5.02	-0.18	4.34e-05	0.0	52.6	-1.79	-3.95	-0.31	0.01	-0.18	-5.02
187	187	4.28	0.18	1.46e-04	-5.77	0.0	2.38	6.47	0.33	-0.01	0.01	2.26
		2.26	0.01	-4.97e-05	0.0	52.6	2.38	0.71	0.33	-0.01	0.18	4.28
187	189	-3.73	-0.02	-4.47e-05	-5.77	0.0	-2.10	1.49	-0.46	-4.66e-03	-0.02	-3.78
		-4.75	-0.26	-1.48e-05	0.0	52.6	-2.10	-4.27	-0.46	-4.66e-03	-0.26	-4.75
187	192	4.01	0.26	1.30e-04	-5.77	0.0	2.69	6.79	0.47	3.48e-03	0.01	1.72
		1.72	0.01	8.38e-06	0.0	52.6	2.69	1.03	0.47	3.48e-03	0.26	4.01
187	218	-4.81	-0.02	-7.75e-05	-5.77	0.0	-2.13	1.43	-0.36	0.01	-0.02	-4.87
		-5.78	-0.21	5.26e-05	0.0	52.6	-2.13	-4.33	-0.36	0.01	-0.21	-5.78
187	219	5.04	0.21	1.63e-04	-5.77	0.0	2.72	6.85	0.37	-0.02	0.01	2.81
		2.81	0.01	-5.90e-05	0.0	52.6	2.72	1.09	0.37	-0.02	0.21	5.04
187	221	-4.22	-0.02	-5.85e-05	-5.77	0.0	-2.49	1.06	-0.54	-5.50e-03	-0.02	-4.23
		-5.45	-0.30	-1.74e-05	0.0	52.6	-2.49	-4.71	-0.54	-5.50e-03	-0.30	-5.45
187	224	4.72	0.31	1.44e-04	-5.77	0.0	3.09	7.23	0.55	4.33e-03	0.02	2.17
		2.17	0.02	1.10e-05	0.0	52.6	3.09	1.46	0.55	4.33e-03	0.31	4.72
187	244	-0.38	-2.39e-03	5.18e-05	-7.47	0.0	0.38	5.32	1.09e-03	9.39e-04	-2.83e-03	-1.38
		-1.38	-2.83e-03	-3.27e-06	0.0	52.6	0.38	-2.15	1.09e-03	9.39e-04	-2.39e-03	-0.54
187	250	-0.39	-3.17e-03	3.96e-05	-6.19	0.0	0.32	4.36	-6.08e-03	2.44e-03	-3.17e-03	-1.20
		-1.20	-6.65e-03	-1.66e-06	0.0	52.6	0.32	-1.83	-6.08e-03	2.44e-03	-6.65e-03	-0.53
187	262	-0.01	0.02	4.12e-05	-3.21	0.0	0.19	2.69	0.03	-6.98e-03	2.10e-03	-0.60
		-0.60	2.10e-03	-5.67e-06	0.0	52.6	0.19	-0.52	0.03	-6.98e-03	0.02	-0.03
187	263	0.04	0.02	5.71e-05	-6.19	0.0	0.30	4.55	0.03	-6.64e-03	1.47e-03	-0.83
		-0.83	1.47e-03	-6.89e-06	0.0	52.6	0.30	-1.65	0.03	-6.64e-03	0.02	-0.07
187	273	-0.26	-1.22e-03	2.84e-05	-3.21	0.0	0.17	2.44	-1.30e-03	-1.21e-04	-1.22e-03	-0.75
		-0.75	-1.89e-03	-1.26e-06	0.0	52.6	0.17	-0.77	-1.30e-03	-1.21e-04	-1.89e-03	-0.31
187	280	-0.29	4.18e-03	5.50e-05	-7.47	0.0	0.39	5.37	0.01	-1.03e-03	-1.84e-03	-1.31
		-1.31	-1.84e-03	-4.51e-06	0.0	52.6	0.39	-2.10	0.01	-1.03e-03	4.18e-03	-0.45
187	298	-0.25	1.98e-03	4.55e-05	-6.19	0.0	0.31	4.42	6.78e-03	-5.84e-04	-1.62e-03	-1.08
		-1.08	-1.62e-03	-3.40e-06	0.0	52.6	0.31	-1.77	6.78e-03	-5.84e-04	1.98e-03	-0.38
187	303	-0.28	3.64e-04	4.17e-05	-5.77	0.0	0.30	4.13	4.25e-03	1.66e-05	-1.84e-03	-1.06
		-1.06	-1.84e-03	-2.84e-06	0.0	52.6	0.30	-1.64	4.25e-03	1.66e-05	3.64e-04	-0.40
187	304	-0.20	6.21e-03	2.98e-05	-3.21	0.0	0.19	2.49	0.01	-1.83e-03	-3.65e-04	-0.71
		-0.71	-3.65e-04	-2.61e-06	0.0	52.6	0.19	-0.72	0.01	-1.83e-03	6.21e-03	-0.24
187	305	-0.19	5.54e-03	4.52e-05	-5.77	0.0	0.29	4.17	0.01	-1.80e-03	-9.14e-04	-0.98
		-0.98	-9.14e-04	-3.89e-06	0.0	52.6	0.29	-1.60	0.01	-1.80e-03	5.54e-03	-0.31
187	306	-0.26	1.83e-03	2.77e-05	-3.21	0.0	0.19	2.46	5.38e-03	-5.20e-04	-1.03e-03	-0.76
		-0.76	-1.03e-03	-1.78e-06	0.0	52.6	0.19	-0.75	5.38e-03	-5.20e-04	1.83e-03	-0.31
187	309	-0.26	2.76e-03	2.75e-05	-3.21	0.0	0.19	2.47	7.04e-03	-6.19e-04	-9.83e-04	-0.76
		-0.76	-9.83e-04	-1.91e-06	0.0	52.6	0.19	-0.75	7.04e-03	-6.19e-04	2.76e-03	-0.30
187	310	-0.25	2.09e-03	4.29e-05	-5.77	0.0	0.30	4.14	6.82e-03	-5.89e-04	-1.53e-03	-1.03
		-1.03	-1.53e-03	-3.19e-06	0.0	52.6	0.30	-1.62	6.82e-03	-5.89e-04	2.09e-03	-0.37
188	20	0.88	-0.01	-1.29e-05	-0.73	0.0	-0.27	18.03	-0.02	0.0	-0.01	0.0
		0.0	-0.01	0.0	0.0	5.0	-0.27	17.30	-0.02	0.0	-0.01	0.88
188	28	3.36	0.04	-4.25e-05	-2.73	0.0	-0.59	68.52	-0.12	0.0	0.04	0.0
		0.0	0.03	0.0	0.0	5.0	-0.59	65.78	-0.12	0.0	0.03	3.36
188	43	2.78	0.05	-3.46e-05	-2.25	0.0	-0.48	56.74	-0.11	0.0	0.05	0.0
		0.0	0.04	-1.16e-06	0.0	5.0	-0.48	54.50	-0.11	0.0	0.04	2.78
188	66	1.35	0.03	-2.23e-05	-1.11	0.0	-2.49	27.47	-0.06	0.0	0.03	0.0
		0.0	0.03	0.0	0.0	5.0	-2.49	26.36	-0.06	0.0	0.03	1.35
188	68	2.72	0.04	-3.89e-05	-2.25	0.0	-2.62	55.56	-0.11	0.0	0.04	0.0
		0.0	0.04	0.0	0.0	5.0	-2.62	53.31	-0.11	0.0	0.04	2.72
188	93	0.91	-9.45e-03	-1.04e-05	-0.73	0.0	0.83	18.62	-0.02	0.0	-9.45e-03	0.0
		0.0	-0.01	0.0	0.0	5.0	0.83	17.89	-0.02	0.0	-0.01	0.91
188	126	1.61	-0.25	-1.72e-05	-1.45	0.0	6.86	33.00	2.29	0.0	-0.36	0.0
		0.0	-0.36	0.0	0.0	5.0	6.86	31.56	2.29	0.0	-0.25	1.61
188	127	1.93	0.38	-2.81e-05	-1.45	0.0	-7.47	39.39	-2.40	0.0	0.38	0.0
		0.0	0.26	0.0	0.0	5.0	-7.47	37.94	-2.40	0.0	0.26	1.93
188	128	2.07	0.23	-8.26e-06	-1.45	0.0	3.70	42.12	-2.14	0.0	0.23	0.0
		0.0	0.12	-1.13e-06	0.0	5.0	3.70	40.67	-2.14	0.0	0.12	2.07
188	133	1.48	0.11	-5.40e-05	-1.45	0.0	-16.39	30.41	-0.24	0.0	0.11	0.0
		0.0	0.10	2.38e-06	0.0	5.0	-16.39	28.96	-0.24	0.0	0.10	1.48
188	138	1.94	-0.27	9.36e-06	-1.45	0.0	20.22	39.46	1.18	0.0	-0.32	0.0
		0.0	-0.32	-5.73e-06	0.0	5.0	20.22	38.02	1.18	0.0	-0.27	1.94
188	139	1.61	0.35	-5.47e-05	-1.45	0.0	-20.83	32.93	-1.29	0.0	0.35	0.0

		0.0	0.29	5.16e-06	0.0	5.0	-20.83	31.49	-1.29	0.0	0.29	1.61
188	158	1.59	-0.28	-1.64e-05	-1.45	0.0	7.78	32.62	2.58	0.0	-0.41	0.0
		0.0	-0.41	0.0	0.0	5.0	7.78	31.17	2.58	0.0	-0.28	1.59
188	159	1.95	0.43	-2.89e-05	-1.45	0.0	-8.40	39.78	-2.69	0.0	0.43	0.0
		0.0	0.29	0.0	0.0	5.0	-8.40	38.33	-2.69	0.0	0.29	1.95
188	165	1.45	0.13	-5.82e-05	-1.45	0.0	-18.53	29.65	-0.27	0.0	0.13	0.0
		0.0	0.12	2.83e-06	0.0	5.0	-18.53	28.20	-0.27	0.0	0.12	1.45
188	170	1.96	-0.31	1.36e-05	-1.45	0.0	22.90	39.90	1.33	0.0	-0.37	0.0
		0.0	-0.37	-6.47e-06	0.0	5.0	22.90	38.46	1.33	0.0	-0.31	1.96
188	171	1.59	0.39	-5.89e-05	-1.45	0.0	-23.52	32.49	-1.44	0.0	0.39	0.0
		0.0	0.32	5.89e-06	0.0	5.0	-23.52	31.05	-1.44	0.0	0.32	1.59
188	176	2.11	-0.17	1.63e-05	-1.45	0.0	20.23	42.89	-0.32	0.0	-0.17	0.0
		0.0	-0.19	-2.65e-06	0.0	5.0	20.23	41.44	-0.32	0.0	-0.19	2.11
188	190	1.60	-0.28	-1.61e-05	-1.45	0.0	7.91	32.74	2.53	0.0	-0.40	0.0
		0.0	-0.40	0.0	0.0	5.0	7.91	31.30	2.53	0.0	-0.28	1.60
188	191	1.95	0.42	-2.93e-05	-1.45	0.0	-8.52	39.65	-2.65	0.0	0.42	0.0
		0.0	0.29	0.0	0.0	5.0	-8.52	38.21	-2.65	0.0	0.29	1.95
188	197	1.44	0.14	-5.95e-05	-1.45	0.0	-19.21	29.47	-0.29	0.0	0.14	0.0
		0.0	0.12	3.55e-06	0.0	5.0	-19.21	28.03	-0.29	0.0	0.12	1.44
188	202	1.97	-0.31	1.44e-05	-1.45	0.0	23.42	40.06	1.30	0.0	-0.37	0.0
		0.0	-0.37	-6.84e-06	0.0	5.0	23.42	38.62	1.30	0.0	-0.31	1.97
188	203	1.58	0.39	-5.98e-05	-1.45	0.0	-24.03	32.33	-1.41	0.0	0.39	0.0
		0.0	0.33	6.26e-06	0.0	5.0	-24.03	30.89	-1.41	0.0	0.33	1.58
188	208	2.11	-0.18	1.73e-05	-1.45	0.0	20.78	43.02	-0.31	0.0	-0.18	0.0
		0.0	-0.20	-3.03e-06	0.0	5.0	20.78	41.57	-0.31	0.0	-0.20	2.11
188	222	1.58	-0.32	-1.47e-05	-1.45	0.0	9.41	32.23	2.95	0.0	-0.47	0.0
		0.0	-0.47	0.0	0.0	5.0	9.41	30.78	2.95	0.0	-0.32	1.58
188	223	1.97	0.49	-3.06e-05	-1.45	0.0	-10.03	40.17	-3.07	0.0	0.49	0.0
		0.0	0.34	0.0	0.0	5.0	-10.03	38.72	-3.07	0.0	0.34	1.97
188	229	1.37	0.17	-6.70e-05	-1.45	0.0	-23.09	28.15	-0.35	0.0	0.17	0.0
		0.0	0.15	4.72e-06	0.0	5.0	-23.09	26.70	-0.35	0.0	0.15	1.37
188	234	2.01	-0.37	2.14e-05	-1.45	0.0	27.87	40.83	1.53	0.0	-0.44	0.0
		0.0	-0.44	-8.18e-06	0.0	5.0	27.87	39.38	1.53	0.0	-0.37	2.01
188	235	1.54	0.46	-6.67e-05	-1.45	0.0	-28.49	31.57	-1.64	0.0	0.46	0.0
		0.0	0.39	7.61e-06	0.0	5.0	-28.49	30.12	-1.64	0.0	0.39	1.54
188	240	2.18	-0.22	2.49e-05	-1.45	0.0	24.79	44.28	-0.35	0.0	-0.22	0.0
		0.0	-0.24	-3.71e-06	0.0	5.0	24.79	42.83	-0.35	0.0	-0.24	2.18
188	249	0.98	-7.18e-03	-1.38e-05	-0.80	0.0	-0.27	19.93	-0.02	0.0	-7.18e-03	0.0
		0.0	-8.30e-03	0.0	0.0	5.0	-0.27	19.13	-0.02	0.0	-8.30e-03	0.98
188	256	2.31	0.03	-2.94e-05	-1.88	0.0	-0.41	47.17	-0.08	0.0	0.03	0.0
		0.0	0.02	0.0	0.0	5.0	-0.41	45.29	-0.08	0.0	0.02	2.31
188	263	1.93	0.03	-2.41e-05	-1.56	0.0	-0.34	39.32	-0.08	0.0	0.03	0.0
		0.0	0.03	0.0	0.0	5.0	-0.34	37.77	-0.08	0.0	0.03	1.93
188	274	0.97	0.02	-1.59e-05	-0.80	0.0	-1.68	19.81	-0.05	0.0	0.02	0.0
		0.0	0.02	0.0	0.0	5.0	-1.68	19.01	-0.05	0.0	0.02	0.97
188	276	1.89	0.03	-2.69e-05	-1.56	0.0	-1.77	38.53	-0.08	0.0	0.03	0.0
		0.0	0.02	0.0	0.0	5.0	-1.77	36.98	-0.08	0.0	0.02	1.89
188	285	1.00	-4.59e-03	-1.21e-05	-0.80	0.0	0.47	20.32	-0.02	0.0	-4.59e-03	0.0
		0.0	-5.78e-03	0.0	0.0	5.0	0.47	19.52	-0.02	0.0	-5.78e-03	1.00
188	298	1.90	0.01	-2.42e-05	-1.56	0.0	-0.32	38.87	-0.06	0.0	0.01	0.0
		0.0	9.00e-03	0.0	0.0	5.0	-0.32	37.32	-0.06	0.0	9.00e-03	1.90
188	302	0.99	2.27e-03	-1.32e-05	-0.80	0.0	-0.23	20.10	-0.03	0.0	2.27e-03	0.0
		0.0	8.17e-04	0.0	0.0	5.0	-0.23	19.30	-0.03	0.0	8.17e-04	0.99
188	305	1.78	0.01	-2.26e-05	-1.45	0.0	-0.31	36.29	-0.06	0.0	0.01	0.0
		0.0	0.01	0.0	0.0	5.0	-0.31	34.84	-0.06	0.0	0.01	1.78
188	306	0.98	7.74e-03	-1.36e-05	-0.80	0.0	-0.52	20.08	-0.03	0.0	7.74e-03	0.0
		0.0	6.05e-03	0.0	0.0	5.0	-0.52	19.28	-0.03	0.0	6.05e-03	0.98
188	307	1.77	0.01	-2.31e-05	-1.45	0.0	-0.59	36.13	-0.06	0.0	0.01	0.0
		0.0	0.01	0.0	0.0	5.0	-0.59	34.68	-0.06	0.0	0.01	1.77
188	308	0.99	2.46e-03	-1.30e-05	-0.80	0.0	-0.10	20.18	-0.03	0.0	2.46e-03	0.0
		0.0	9.81e-04	0.0	0.0	5.0	-0.10	19.38	-0.03	0.0	9.81e-04	0.99
188	309	0.99	4.22e-03	-1.32e-05	-0.80	0.0	-0.24	20.15	-0.03	0.0	4.22e-03	0.0
		0.0	2.67e-03	0.0	0.0	5.0	-0.24	19.35	-0.03	0.0	2.67e-03	0.99
188	310	1.77	0.01	-2.27e-05	-1.45	0.0	-0.31	36.20	-0.06	0.0	0.01	0.0
		0.0	8.09e-03	0.0	0.0	5.0	-0.31	34.75	-0.06	0.0	8.09e-03	1.77
189	18	0.01	3.04e-04	-8.90e-06	-0.18	0.0	0.87	0.11	7.61e-04	0.0	-3.85e-05	0.0
		0.0	-3.85e-05	-1.34e-06	0.0	45.0	0.87	-0.08	7.61e-04	0.0	3.04e-04	6.12e-03
189	19	7.23e-03	5.26e-05	-7.17e-06	-0.14	0.0	0.70	0.07	1.86e-04	0.0	-3.12e-05	0.0
		-1.43e-03	-3.12e-05	0.0	0.0	45.0	0.70	-0.07	1.86e-04	0.0	5.26e-05	-1.43e-03
189	44	0.03	9.09e-04	-4.16e-05	-0.18	0.0	-1.09	0.15	1.95e-03	0.0	3.21e-05	0.0
		0.0	3.21e-05	-7.20e-06	0.0	45.0	-1.09	-0.04	1.95e-03	0.0	9.09e-04	0.02
189	45	0.02	6.58e-04	-3.98e-05	-0.14	0.0	-1.26	0.11	1.37e-03	0.0	3.94e-05	0.0
		0.0	3.94e-05	-5.06e-06	0.0	45.0	-1.26	-0.03	1.37e-03	0.0	6.58e-04	0.02
189	69	0.01	1.84e-03	-1.75e-05	-0.14	0.0	-0.26	0.08	-7.92e-03	0.0	1.84e-03	0.0
		0.0	-1.72e-03	-1.66e-06	0.0	45.0	-0.26	-0.06	-7.92e-03	0.0	-1.72e-03	4.20e-03

189	113	0.0	-5.07e-04	2.19e-04	-0.14	0.0	11.87	-0.65	-0.01	0.0	-5.07e-04	0.0
		-0.32	-3.00e-03	-4.29e-05	0.0	45.0	11.87	-0.79	-0.01	0.0	-3.00e-03	-0.32
189	114	0.0	-1.77e-03	1.74e-04	-0.14	0.0	13.29	-0.51	-1.84e-04	0.0	-4.22e-03	0.0
		-0.26	-4.22e-03	0.0	0.0	45.0	13.29	-0.65	-1.84e-04	0.0	-1.77e-03	-0.26
189	115	0.28	4.20e-03	-2.07e-04	-0.14	0.0	-13.03	0.69	1.70e-03	0.0	4.20e-03	0.0
		0.0	2.43e-03	-4.92e-06	0.0	45.0	-13.03	0.54	1.70e-03	0.0	2.43e-03	0.28
189	116	0.34	3.66e-03	-2.52e-04	-0.14	0.0	-11.61	0.82	0.01	0.0	4.87e-04	0.0
		0.0	4.87e-04	3.89e-05	0.0	45.0	-11.61	0.68	0.01	0.0	3.66e-03	0.34
189	138	1.76e-04	3.82e-03	7.77e-06	-0.14	0.0	5.60	0.01	0.02	0.0	-8.18e-03	0.0
		-0.03	-8.18e-03	2.55e-05	0.0	45.0	5.60	-0.13	0.02	0.0	3.82e-03	-0.03
189	139	0.04	8.16e-03	-4.06e-05	-0.14	0.0	-5.34	0.16	-0.02	0.0	8.16e-03	0.0
		0.0	-3.15e-03	-2.96e-05	0.0	45.0	-5.34	0.02	-0.02	0.0	-3.15e-03	0.04
189	145	0.0	-5.54e-04	2.48e-04	-0.14	0.0	13.30	-0.74	-0.01	0.0	-5.54e-04	0.0
		-0.36	-3.40e-03	-4.78e-05	0.0	45.0	13.30	-0.88	-0.01	0.0	-3.40e-03	-0.36
189	146	0.0	-2.02e-03	1.98e-04	-0.14	0.0	14.90	-0.58	-2.72e-04	0.0	-4.75e-03	0.0
		-0.29	-4.75e-03	1.90e-06	0.0	45.0	14.90	-0.72	-2.72e-04	0.0	-2.02e-03	-0.29
189	147	0.31	4.73e-03	-2.30e-04	-0.14	0.0	-14.64	0.76	1.79e-03	0.0	4.73e-03	0.0
		0.0	2.68e-03	-5.95e-06	0.0	45.0	-14.64	0.62	1.79e-03	0.0	2.68e-03	0.31
189	148	0.38	4.07e-03	-2.81e-04	-0.14	0.0	-13.04	0.91	0.01	0.0	5.34e-04	0.0
		0.0	5.34e-04	4.37e-05	0.0	45.0	-13.04	0.77	0.01	0.0	4.07e-03	0.38
189	170	0.0	4.28e-03	1.05e-05	-0.14	0.0	6.26	2.06e-03	0.03	0.0	-9.24e-03	0.0
		-0.03	-9.24e-03	2.94e-05	0.0	45.0	6.26	-0.14	0.03	0.0	4.28e-03	-0.03
189	171	0.05	9.22e-03	-4.33e-05	-0.14	0.0	-6.00	0.17	-0.03	0.0	9.22e-03	0.0
		0.0	-3.62e-03	-3.34e-05	0.0	45.0	-6.00	0.03	-0.03	0.0	-3.62e-03	0.05
189	177	0.0	-4.60e-04	2.46e-04	-0.14	0.0	13.02	-0.73	-0.01	0.0	-4.60e-04	0.0
		-0.36	-3.29e-03	-4.61e-05	0.0	45.0	13.02	-0.87	-0.01	0.0	-3.29e-03	-0.36
189	178	0.0	-1.89e-03	1.94e-04	-0.14	0.0	14.58	-0.57	-6.19e-05	0.0	-4.77e-03	0.0
		-0.29	-4.77e-03	5.96e-06	0.0	45.0	14.58	-0.71	-6.19e-05	0.0	-1.89e-03	-0.29
189	179	0.30	4.75e-03	-2.26e-04	-0.14	0.0	-14.32	0.75	1.58e-03	0.0	4.75e-03	0.0
		0.0	2.55e-03	-1.00e-05	0.0	45.0	-14.32	0.60	1.58e-03	0.0	2.55e-03	0.30
189	180	0.38	3.96e-03	-2.79e-04	-0.14	0.0	-12.76	0.91	0.01	0.0	4.40e-04	0.0
		0.0	4.40e-04	4.21e-05	0.0	45.0	-12.76	0.76	0.01	0.0	3.96e-03	0.38
189	202	9.52e-05	4.43e-03	8.67e-06	-0.14	0.0	6.08	7.79e-03	0.03	0.0	-9.37e-03	0.0
		-0.03	-9.37e-03	3.17e-05	0.0	45.0	6.08	-0.13	0.03	0.0	4.43e-03	-0.03
189	203	0.04	9.35e-03	-4.15e-05	-0.14	0.0	-5.82	0.17	-0.03	0.0	9.35e-03	0.0
		0.0	-3.77e-03	-3.57e-05	0.0	45.0	-5.82	0.03	-0.03	0.0	-3.77e-03	0.04
189	209	0.0	-4.69e-04	2.91e-04	-0.14	0.0	15.15	-0.87	-0.01	0.0	-4.69e-04	0.0
		-0.42	-3.92e-03	-5.30e-05	0.0	45.0	15.15	-1.01	-0.01	0.0	-3.92e-03	-0.42
189	210	0.0	-2.24e-03	2.28e-04	-0.14	0.0	16.98	-0.68	-1.22e-04	0.0	-5.65e-03	0.0
		-0.34	-5.65e-03	9.94e-06	0.0	45.0	16.98	-0.82	-1.22e-04	0.0	-2.24e-03	-0.34
189	211	0.35	5.63e-03	-2.61e-04	-0.14	0.0	-16.72	0.85	1.64e-03	0.0	5.63e-03	0.0
		0.0	2.91e-03	-1.40e-05	0.0	45.0	-16.72	0.71	1.64e-03	0.0	2.91e-03	0.35
189	212	0.44	4.59e-03	-3.24e-04	-0.14	0.0	-14.89	1.05	0.02	0.0	4.48e-04	0.0
		0.0	4.48e-04	4.90e-05	0.0	45.0	-14.89	0.90	0.02	0.0	4.59e-03	0.44
189	234	0.0	5.23e-03	1.20e-05	-0.14	0.0	7.07	-2.86e-03	0.03	0.0	-0.01	0.0
		-0.03	-0.01	3.88e-05	0.0	45.0	7.07	-0.14	0.03	0.0	5.23e-03	-0.03
189	235	0.05	0.01	-4.48e-05	-0.14	0.0	-6.81	0.18	-0.03	0.0	0.01	0.0
		0.0	-4.56e-03	-4.29e-05	0.0	45.0	-6.81	0.04	-0.03	0.0	-4.56e-03	0.05
189	251	0.01	2.21e-04	-8.44e-06	-0.14	0.0	0.58	0.08	5.48e-04	0.0	-2.60e-05	0.0
		0.0	-2.60e-05	0.0	0.0	45.0	0.58	-0.06	5.48e-04	0.0	2.21e-04	4.50e-03
189	261	0.02	5.53e-04	-3.24e-05	-0.14	0.0	-0.83	0.10	1.18e-03	0.0	2.24e-05	0.0
		0.0	2.24e-05	-3.86e-06	0.0	45.0	-0.83	-0.04	1.18e-03	0.0	5.53e-04	0.01
189	264	0.02	6.24e-04	-3.02e-05	-0.14	0.0	-0.72	0.11	1.34e-03	0.0	2.11e-05	0.0
		0.0	2.11e-05	-4.90e-06	0.0	45.0	-0.72	-0.03	1.34e-03	0.0	6.24e-04	0.02
189	273	0.01	1.22e-03	-1.75e-05	-0.14	0.0	-0.16	0.08	-5.02e-03	0.0	1.22e-03	0.0
		0.0	-1.03e-03	-1.59e-06	0.0	45.0	-0.16	-0.06	-5.02e-03	0.0	-1.03e-03	4.81e-03
189	303	0.01	3.04e-04	-1.49e-05	-0.14	0.0	0.22	0.09	7.05e-04	0.0	-1.32e-05	0.0
		0.0	-1.32e-05	-1.77e-06	0.0	45.0	0.22	-0.06	7.05e-04	0.0	3.04e-04	6.73e-03
189	304	0.01	3.37e-04	-2.08e-05	-0.14	0.0	-0.13	0.09	7.56e-04	0.0	-2.73e-06	0.0
		0.0	-2.73e-06	-1.78e-06	0.0	45.0	-0.13	-0.06	7.56e-04	0.0	3.37e-04	6.85e-03
189	305	0.01	3.85e-04	-1.93e-05	-0.14	0.0	-0.04	0.09	8.64e-04	0.0	-3.77e-06	0.0
		0.0	-3.77e-06	-2.55e-06	0.0	45.0	-0.04	-0.05	8.64e-04	0.0	3.85e-04	9.21e-03
189	308	0.01	4.16e-04	-1.79e-05	-0.14	0.0	0.06	0.08	1.22e-03	0.0	-1.32e-04	0.0
		0.0	-1.32e-04	-1.23e-06	0.0	45.0	0.06	-0.06	1.22e-03	0.0	4.16e-04	5.23e-03
189	309	0.01	2.84e-04	-1.79e-05	-0.14	0.0	0.04	0.08	6.50e-04	0.0	-9.01e-06	0.0
		0.0	-9.01e-06	-1.26e-06	0.0	45.0	0.04	-0.06	6.50e-04	0.0	2.84e-04	5.19e-03
189	310	0.01	3.31e-04	-1.64e-05	-0.14	0.0	0.13	0.09	7.58e-04	0.0	-1.00e-05	0.0
		0.0	-1.00e-05	-2.03e-06	0.0	45.0	0.13	-0.05	7.58e-04	0.0	3.31e-04	7.56e-03
190	15	0.06	1.97e-04	1.09e-05	-0.18	0.0	0.49	0.23	-2.79e-03	0.0	1.97e-04	9.56e-04
		9.56e-04	-1.06e-03	0.0	0.0	45.0	0.49	0.04	-2.79e-03	0.0	-1.06e-03	0.06
190	19	0.05	5.26e-05	1.06e-05	-0.14	0.0	0.51	0.18	-2.18e-03	0.0	5.26e-05	-1.43e-03
		-1.43e-03	-9.26e-04	0.0	0.0	45.0	0.51	0.04	-2.18e-03	0.0	-9.26e-04	0.05
190	21	0.05	1.36e-04	1.24e-05	-0.14	0.0	0.54	0.17	-2.77e-03	0.0	1.36e-04	2.72e-03
		2.72e-03	-1.11e-03	0.0	0.0	45.0	0.54	0.03	-2.77e-03	0.0	-1.11e-03	0.05
190	42	0.06	1.23e-03	-2.09e-05	-0.18	0.0	-1.07	0.18	9.06e-04	0.0	8.26e-04	0.02

		0.02	8.26e-04	-5.76e-06	0.0	45.0	-1.07	-5.32e-03	9.06e-04	0.0	1.23e-03	0.06
190	67	0.06	-1.50e-03	1.97e-06	-0.18	0.0	-0.35	0.20	-0.02	0.0	-1.50e-03	0.01
		0.01	-0.01	-3.67e-06	0.0	45.0	-0.35	0.02	-0.02	0.0	-0.01	0.06
190	94	0.05	4.95e-03	0.0	-0.14	0.0	0.16	0.16	8.19e-03	0.0	1.27e-03	6.09e-03
		6.09e-03	1.27e-03	-1.01e-06	0.0	45.0	0.16	0.02	8.19e-03	0.0	4.95e-03	0.05
190	113	0.08	-3.00e-03	2.25e-04	-0.14	0.0	8.83	0.96	-0.04	-1.08e-06	-3.00e-03	-0.32
		-0.32	-0.02	-4.16e-05	0.0	45.0	8.83	0.82	-0.04	-1.08e-06	-0.02	0.08
190	114	0.07	-1.77e-03	1.76e-04	-0.14	0.0	9.93	0.81	-0.04	0.0	-1.77e-03	-0.26
		-0.26	-0.02	2.52e-06	0.0	45.0	9.93	0.67	-0.04	0.0	-0.02	0.07
190	115	0.28	0.02	-1.74e-04	-0.14	0.0	-9.93	-0.50	0.04	0.0	2.43e-03	0.28
		0.02	2.43e-03	-6.48e-06	0.0	45.0	-9.93	-0.64	0.04	0.0	0.02	0.02
190	116	0.34	0.02	-2.23e-04	-0.14	0.0	-8.82	-0.65	0.03	1.13e-06	3.66e-03	0.34
		0.02	3.66e-03	3.76e-05	0.0	45.0	-8.82	-0.79	0.03	1.13e-06	0.02	0.02
190	145	0.08	-3.40e-03	2.53e-04	-0.14	0.0	9.90	1.06	-0.04	-1.22e-06	-3.40e-03	-0.36
		-0.36	-0.02	-4.63e-05	0.0	45.0	9.90	0.92	-0.04	-1.22e-06	-0.02	0.08
190	146	0.08	-2.02e-03	1.98e-04	-0.14	0.0	11.14	0.89	-0.05	0.0	-2.02e-03	-0.29
		-0.29	-0.02	3.76e-06	0.0	45.0	11.14	0.75	-0.05	0.0	-0.02	0.08
190	147	0.31	0.02	-1.96e-04	-0.14	0.0	-11.13	-0.58	0.05	1.03e-06	2.68e-03	0.31
		0.02	2.68e-03	-7.72e-06	0.0	45.0	-11.13	-0.72	0.05	1.03e-06	0.02	0.02
190	148	0.38	0.02	-2.51e-04	-0.14	0.0	-9.90	-0.75	0.04	1.26e-06	4.07e-03	0.38
		0.01	4.07e-03	4.23e-05	0.0	45.0	-9.90	-0.89	0.04	1.26e-06	0.02	0.01
190	177	0.08	-3.29e-03	2.50e-04	-0.14	0.0	9.65	1.05	-0.04	-1.20e-06	-3.29e-03	-0.36
		-0.36	-0.02	-4.46e-05	0.0	45.0	9.65	0.91	-0.04	-1.20e-06	-0.02	0.08
190	178	0.07	-1.89e-03	1.94e-04	-0.14	0.0	10.83	0.88	-0.05	0.0	-1.89e-03	-0.29
		-0.29	-0.02	7.85e-06	0.0	45.0	10.83	0.74	-0.05	0.0	-0.02	0.07
190	179	0.30	0.02	-1.92e-04	-0.14	0.0	-10.82	-0.56	0.04	1.01e-06	2.55e-03	0.30
		0.02	2.55e-03	-1.18e-05	0.0	45.0	-10.82	-0.70	0.04	1.01e-06	0.02	0.02
190	180	0.38	0.02	-2.48e-04	-0.14	0.0	-9.64	-0.74	0.04	1.25e-06	3.96e-03	0.38
		0.01	3.96e-03	4.06e-05	0.0	45.0	-9.64	-0.88	0.04	1.25e-06	0.02	0.01
190	209	0.09	-3.92e-03	2.93e-04	-0.14	0.0	11.24	1.20	-0.05	-1.41e-06	-3.92e-03	-0.42
		-0.42	-0.03	-5.12e-05	0.0	45.0	11.24	1.06	-0.05	-1.41e-06	-0.03	0.09
190	210	0.08	-2.24e-03	2.25e-04	-0.14	0.0	12.61	0.99	-0.05	-1.12e-06	-2.24e-03	-0.34
		-0.34	-0.02	1.22e-05	0.0	45.0	12.61	0.85	-0.05	-1.12e-06	-0.02	0.08
190	211	0.35	0.02	-2.23e-04	-0.14	0.0	-12.60	-0.68	0.05	1.17e-06	2.91e-03	0.35
		0.01	2.91e-03	-1.61e-05	0.0	45.0	-12.60	-0.82	0.05	1.17e-06	0.02	0.01
190	212	0.44	0.03	-2.91e-04	-0.14	0.0	-11.23	-0.89	0.04	1.46e-06	4.59e-03	0.44
		6.74e-03	4.59e-03	4.72e-05	0.0	45.0	-11.23	-1.03	0.04	1.46e-06	0.03	6.74e-03
190	248	0.05	1.49e-04	7.17e-06	-0.14	0.0	0.33	0.17	-1.91e-03	0.0	1.49e-04	1.06e-03
		1.06e-03	-7.12e-04	0.0	0.0	45.0	0.33	0.03	-1.91e-03	0.0	-7.12e-04	0.05
190	250	0.05	2.05e-04	8.35e-06	-0.14	0.0	0.35	0.17	-2.31e-03	0.0	2.05e-04	3.82e-03
		3.82e-03	-8.34e-04	0.0	0.0	45.0	0.35	0.03	-2.31e-03	0.0	-8.34e-04	0.05
190	262	0.05	8.15e-04	-1.40e-05	-0.14	0.0	-0.71	0.14	5.48e-04	0.0	5.69e-04	0.01
		0.01	5.69e-04	-3.94e-06	0.0	45.0	-0.71	3.13e-04	5.48e-04	0.0	8.15e-04	0.05
190	275	0.05	-9.79e-04	1.21e-06	-0.14	0.0	-0.23	0.16	-0.01	0.0	-9.79e-04	7.57e-03
		7.57e-03	-7.10e-03	-2.55e-06	0.0	45.0	-0.23	0.02	-0.01	0.0	-7.10e-03	0.05
190	286	0.05	3.21e-03	0.0	-0.14	0.0	0.10	0.16	5.00e-03	0.0	9.59e-04	6.06e-03
		6.06e-03	9.59e-04	-1.14e-06	0.0	45.0	0.10	0.02	5.00e-03	0.0	3.21e-03	0.05
190	302	0.05	2.57e-04	1.43e-06	-0.14	0.0	0.05	0.17	-1.27e-03	0.0	2.57e-04	4.36e-03
		4.36e-03	-3.16e-04	0.0	0.0	45.0	0.05	0.03	-1.27e-03	0.0	-3.16e-04	0.05
190	303	0.05	3.04e-04	2.44e-06	-0.14	0.0	0.07	0.16	-1.61e-03	0.0	3.04e-04	6.73e-03
		6.73e-03	-4.21e-04	-1.72e-06	0.0	45.0	0.07	0.02	-1.61e-03	0.0	-4.21e-04	0.05
190	304	0.05	3.37e-04	-2.87e-06	-0.14	0.0	-0.15	0.16	-7.94e-04	0.0	3.37e-04	6.85e-03
		6.85e-03	-1.96e-05	-1.74e-06	0.0	45.0	-0.15	0.02	-7.94e-04	0.0	-1.96e-05	0.05
190	307	0.05	6.75e-05	1.02e-06	-0.14	0.0	-0.04	0.16	-3.87e-03	0.0	6.75e-05	7.48e-03
		7.48e-03	-1.67e-03	-2.07e-06	0.0	45.0	-0.04	0.02	-3.87e-03	0.0	-1.67e-03	0.05
190	308	0.05	4.59e-04	0.0	-0.14	0.0	8.95e-03	0.16	9.61e-05	0.0	4.16e-04	5.23e-03
		5.23e-03	4.16e-04	-1.18e-06	0.0	45.0	8.95e-03	0.02	9.61e-05	0.0	4.59e-04	0.05
190	309	0.05	2.84e-04	0.0	-0.14	0.0	-0.01	0.16	-1.11e-03	0.0	2.84e-04	5.19e-03
		5.19e-03	-2.17e-04	-1.22e-06	0.0	45.0	-0.01	0.02	-1.11e-03	0.0	-2.17e-04	0.05
190	310	0.05	3.31e-04	1.01e-06	-0.14	0.0	3.32e-03	0.16	-1.45e-03	0.0	3.31e-04	7.56e-03
		7.56e-03	-3.22e-04	-1.98e-06	0.0	45.0	3.32e-03	0.02	-1.45e-03	0.0	-3.22e-04	0.05
191	3	0.06	3.83e-04	1.34e-05	-0.18	0.0	1.45	-0.06	3.12e-03	0.0	-1.02e-03	0.06
		-7.98e-03	-1.02e-03	-2.56e-06	0.0	45.0	1.45	-0.24	3.12e-03	0.0	3.83e-04	-7.98e-03
191	15	0.06	6.69e-04	1.53e-05	-0.18	0.0	0.96	-0.05	3.84e-03	0.0	-1.06e-03	0.06
		5.24e-04	-1.06e-03	0.0	0.0	45.0	0.96	-0.23	3.84e-03	0.0	6.69e-04	5.24e-04
191	44	0.06	1.05e-03	-1.50e-05	-0.18	0.0	0.20	-0.09	-5.70e-03	0.0	1.05e-03	0.06
		-0.02	-1.51e-03	-6.95e-06	0.0	45.0	0.20	-0.27	-5.70e-03	0.0	-1.51e-03	-0.02
191	46	0.05	1.36e-03	-1.80e-05	-0.14	0.0	-0.42	-0.07	-6.38e-03	0.0	1.36e-03	0.05
		-0.02	-1.51e-03	-5.02e-06	0.0	45.0	-0.42	-0.21	-6.38e-03	0.0	-1.51e-03	-0.02
191	67	0.06	5.94e-03	6.17e-06	-0.18	0.0	0.32	-0.06	0.04	0.0	-0.01	0.06
		-9.36e-03	-0.01	-5.08e-06	0.0	45.0	0.32	-0.25	0.04	0.0	5.94e-03	-9.36e-03
191	69	0.05	5.95e-03	3.20e-06	-0.14	0.0	-0.30	-0.04	0.04	0.0	-0.01	0.05
		-3.10e-03	-0.01	-3.15e-06	0.0	45.0	-0.30	-0.18	0.04	0.0	5.95e-03	-3.10e-03
191	113	0.32	0.02	2.24e-04	-0.14	0.0	11.97	0.62	0.09	-1.08e-06	-0.02	0.08
		0.08	-0.02	-4.19e-05	0.0	45.0	11.97	0.48	0.09	-1.08e-06	0.02	0.32

191	114	0.26	0.02	1.88e-04	-0.14	0.0	14.55	0.49	0.08	0.0	-0.02	0.07
		0.07	-0.02	2.30e-06	0.0	45.0	14.55	0.35	0.08	0.0	0.02	0.26
191	115	0.02	0.02	-1.80e-04	-0.14	0.0	-13.21	-0.59	-0.08	0.0	0.02	0.02
		-0.28	-0.02	-6.35e-06	0.0	45.0	-13.21	-0.73	-0.08	0.0	-0.02	-0.28
191	116	0.02	0.02	-2.15e-04	-0.14	0.0	-10.62	-0.72	-0.08	1.13e-06	0.02	0.02
		-0.34	-0.02	3.78e-05	0.0	45.0	-10.62	-0.86	-0.08	1.13e-06	-0.02	-0.34
191	145	0.37	0.02	2.51e-04	-0.14	0.0	13.32	0.70	0.10	-1.22e-06	-0.02	0.08
		0.08	-0.02	-4.66e-05	0.0	45.0	13.32	0.56	0.10	-1.22e-06	0.02	0.37
191	146	0.30	0.02	2.11e-04	-0.14	0.0	16.22	0.56	0.09	0.0	-0.02	0.08
		0.08	-0.02	3.54e-06	0.0	45.0	16.22	0.42	0.09	0.0	0.02	0.30
191	147	0.02	0.02	-2.02e-04	-0.14	0.0	-14.88	-0.66	-0.09	1.03e-06	0.02	0.02
		-0.31	-0.02	-7.59e-06	0.0	45.0	-14.88	-0.80	-0.09	1.03e-06	-0.02	-0.31
191	148	0.01	0.02	-2.42e-04	-0.14	0.0	-11.97	-0.80	-0.10	1.26e-06	0.02	0.01
		-0.38	-0.02	4.25e-05	0.0	45.0	-11.97	-0.94	-0.10	1.26e-06	-0.02	-0.38
191	177	0.36	0.02	2.48e-04	-0.14	0.0	12.77	0.70	0.09	-1.21e-06	-0.02	0.08
		0.08	-0.02	-4.47e-05	0.0	45.0	12.77	0.55	0.09	-1.21e-06	0.02	0.36
191	178	0.29	0.02	2.07e-04	-0.14	0.0	15.62	0.55	0.08	0.0	-0.02	0.07
		0.07	-0.02	7.77e-06	0.0	45.0	15.62	0.41	0.08	0.0	0.02	0.29
191	179	0.02	0.02	-1.98e-04	-0.14	0.0	-14.28	-0.64	-0.08	1.01e-06	0.02	0.02
		-0.30	-0.02	-1.18e-05	0.0	45.0	-14.28	-0.79	-0.08	1.01e-06	-0.02	-0.30
191	180	0.01	0.02	-2.40e-04	-0.14	0.0	-11.43	-0.79	-0.09	1.25e-06	0.02	0.01
		-0.38	-0.02	4.06e-05	0.0	45.0	-11.43	-0.93	-0.09	1.25e-06	-0.02	-0.38
191	209	0.43	0.02	2.90e-04	-0.14	0.0	14.71	0.82	0.11	-1.42e-06	-0.03	0.09
		0.09	-0.03	-5.12e-05	0.0	45.0	14.71	0.68	0.11	-1.42e-06	0.02	0.43
191	210	0.34	0.02	2.40e-04	-0.14	0.0	18.08	0.65	0.10	-1.13e-06	-0.02	0.08
		0.08	-0.02	1.22e-05	0.0	45.0	18.08	0.51	0.10	-1.13e-06	0.02	0.34
191	211	0.01	0.02	-2.32e-04	-0.14	0.0	-16.73	-0.74	-0.10	1.17e-06	0.02	0.01
		-0.35	-0.02	-1.63e-05	0.0	45.0	-16.73	-0.88	-0.10	1.17e-06	-0.02	-0.35
191	212	6.74e-03	0.03	-2.82e-04	-0.14	0.0	-13.36	-0.92	-0.11	1.46e-06	0.03	6.74e-03
		-0.44	-0.02	4.71e-05	0.0	45.0	-13.36	-1.06	-0.11	1.46e-06	-0.02	-0.44
191	243	0.05	2.49e-04	9.25e-06	-0.14	0.0	1.01	-0.05	2.08e-03	0.0	-6.88e-04	0.05
		-5.58e-03	-6.88e-04	-1.81e-06	0.0	45.0	1.01	-0.19	2.08e-03	0.0	2.49e-04	-5.58e-03
191	248	0.05	4.40e-04	1.05e-05	-0.14	0.0	0.68	-0.04	2.56e-03	0.0	-7.12e-04	0.05
		8.44e-05	-7.12e-04	0.0	0.0	45.0	0.68	-0.18	2.56e-03	0.0	4.40e-04	8.44e-05
191	262	0.05	8.15e-04	-1.08e-05	-0.14	0.0	-0.13	-0.06	-4.06e-03	0.0	8.15e-04	0.05
		-0.01	-1.01e-03	-3.83e-06	0.0	45.0	-0.13	-0.20	-4.06e-03	0.0	-1.01e-03	-0.01
191	264	0.05	6.93e-04	-9.65e-06	-0.14	0.0	0.17	-0.07	-3.80e-03	0.0	6.93e-04	0.05
		-0.02	-1.01e-03	-4.73e-06	0.0	45.0	0.17	-0.21	-3.80e-03	0.0	-1.01e-03	-0.02
191	273	0.05	3.95e-03	3.33e-06	-0.14	0.0	-0.05	-0.04	0.02	0.0	-6.98e-03	0.05
		-3.70e-03	-6.98e-03	-2.58e-06	0.0	45.0	-0.05	-0.18	0.02	0.0	3.95e-03	-3.70e-03
191	275	0.05	3.95e-03	4.46e-06	-0.14	0.0	0.25	-0.05	0.02	0.0	-7.10e-03	0.05
		-6.50e-03	-7.10e-03	-3.48e-06	0.0	45.0	0.25	-0.19	0.02	0.0	3.95e-03	-6.50e-03
191	302	0.05	6.15e-05	4.76e-06	-0.14	0.0	0.47	-0.04	8.40e-04	0.0	-3.16e-04	0.05
		-3.24e-03	-3.16e-04	-1.01e-06	0.0	45.0	0.47	-0.18	8.40e-04	0.0	6.15e-05	-3.24e-03
191	303	0.05	6.06e-05	5.73e-06	-0.14	0.0	0.73	-0.05	1.07e-03	0.0	-4.21e-04	0.05
		-5.64e-03	-4.21e-04	-1.78e-06	0.0	45.0	0.73	-0.19	1.07e-03	0.0	6.06e-05	-5.64e-03
191	304	0.05	-1.96e-05	0.0	-0.14	0.0	0.30	-0.05	-4.51e-04	0.0	-1.96e-05	0.05
		-5.73e-03	-2.22e-04	-1.74e-06	0.0	45.0	0.30	-0.19	-4.51e-04	0.0	-2.22e-04	-5.73e-03
191	305	0.05	-1.24e-04	1.40e-06	-0.14	0.0	0.56	-0.05	-2.21e-04	0.0	-1.24e-04	0.05
		-8.13e-03	-2.23e-04	-2.52e-06	0.0	45.0	0.56	-0.19	-2.21e-04	0.0	-2.23e-04	-8.13e-03
191	306	0.05	7.64e-04	3.32e-06	-0.14	0.0	0.32	-0.04	5.19e-03	0.0	-1.57e-03	0.05
		-3.99e-03	-1.57e-03	-1.52e-06	0.0	45.0	0.32	-0.18	5.19e-03	0.0	7.64e-04	-3.99e-03
191	307	0.05	7.64e-04	4.29e-06	-0.14	0.0	0.58	-0.05	5.42e-03	0.0	-1.67e-03	0.05
		-6.40e-03	-1.67e-03	-2.29e-06	0.0	45.0	0.58	-0.19	5.42e-03	0.0	7.64e-04	-6.40e-03
191	309	0.05	-3.31e-05	3.32e-06	-0.14	0.0	0.41	-0.04	4.10e-04	0.0	-2.17e-04	0.05
		-4.07e-03	-2.17e-04	-1.25e-06	0.0	45.0	0.41	-0.18	4.10e-04	0.0	-3.31e-05	-4.07e-03
191	310	0.05	-3.40e-05	4.28e-06	-0.14	0.0	0.67	-0.05	6.40e-04	0.0	-3.22e-04	0.05
		-6.47e-03	-3.22e-04	-2.03e-06	0.0	45.0	0.67	-0.19	6.40e-04	0.0	-3.40e-05	-6.47e-03
192	15	0.01	6.69e-04	3.83e-05	-0.18	0.0	0.20	0.09	-1.41e-03	0.0	6.69e-04	5.24e-04
		0.0	3.23e-05	0.0	0.0	45.0	0.20	-0.09	-1.41e-03	0.0	3.23e-05	0.0
192	18	8.09e-03	6.16e-04	3.88e-05	-0.18	0.0	0.24	0.10	-1.28e-03	0.0	6.16e-04	-4.72e-03
		-4.72e-03	4.06e-05	-1.36e-06	0.0	45.0	0.24	-0.08	-1.28e-03	0.0	4.06e-05	0.0
192	44	1.90e-03	-2.52e-05	4.19e-06	-0.18	0.0	-0.26	0.14	3.31e-03	0.0	-1.51e-03	-0.02
		-0.02	-1.51e-03	-7.16e-06	0.0	45.0	-0.26	-0.04	3.31e-03	0.0	-2.52e-05	0.0
192	45	1.93e-03	-3.86e-05	-2.58e-06	-0.14	0.0	-0.31	0.11	3.15e-03	0.0	-1.45e-03	-0.02
		-0.02	-1.45e-03	-5.02e-06	0.0	45.0	-0.31	-0.03	3.15e-03	0.0	-3.86e-05	0.0
192	69	6.46e-03	5.95e-03	2.01e-05	-0.14	0.0	-0.12	0.08	-0.03	0.0	5.95e-03	-3.10e-03
		-3.10e-03	-7.34e-03	-2.19e-06	0.0	45.0	-0.12	-0.06	-0.03	0.0	-7.34e-03	0.0
192	70	6.01e-03	5.90e-03	2.03e-05	-0.14	0.0	-0.11	0.08	-0.03	0.0	5.90e-03	-4.13e-03
		-4.13e-03	-7.34e-03	-2.39e-06	0.0	45.0	-0.11	-0.06	-0.03	0.0	-7.34e-03	0.0
192	113	0.32	0.02	2.74e-04	-0.14	0.0	0.21	-0.65	-0.04	0.0	0.02	0.32
		0.0	-1.42e-03	-3.89e-05	0.0	45.0	0.21	-0.79	-0.04	0.0	-1.42e-03	0.0
192	116	0.0	1.45e-03	-2.32e-04	-0.14	0.0	-0.12	0.82	0.04	0.0	-0.02	-0.34
		-0.34	-0.02	3.49e-05	0.0	45.0	-0.12	0.68	0.04	0.0	1.45e-03	0.0
192	130	1.22e-03	2.05e-03	1.05e-05	-0.14	0.0	1.29	0.11	-0.02	0.0	2.05e-03	-0.02

		-0.02	-3.53e-03	6.73e-05	0.0	45.0	1.29	-0.03	-0.02	0.0	-3.53e-03	0.0
192	131	0.01	3.55e-03	3.10e-05	-0.14	0.0	-1.19	0.06	0.02	0.0	-2.12e-03	6.36e-03
		0.0	-2.12e-03	-7.14e-05	0.0	45.0	-1.19	-0.08	0.02	0.0	3.55e-03	0.0
192	145	0.37	0.02	3.05e-04	-0.14	0.0	0.23	-0.74	-0.04	0.0	0.02	0.37
		0.0	-1.59e-03	-4.33e-05	0.0	45.0	0.23	-0.88	-0.04	0.0	-1.59e-03	0.0
192	148	0.0	1.62e-03	-2.64e-04	-0.14	0.0	-0.13	0.91	0.04	0.0	-0.02	-0.38
		-0.38	-0.02	3.92e-05	0.0	45.0	-0.13	0.77	0.04	0.0	1.62e-03	0.0
192	162	7.57e-04	2.31e-03	8.53e-06	-0.14	0.0	1.44	0.12	-0.02	0.0	2.31e-03	-0.02
		-0.02	-3.95e-03	7.68e-05	0.0	45.0	1.44	-0.02	-0.02	0.0	-3.95e-03	0.0
192	163	0.01	3.98e-03	3.29e-05	-0.14	0.0	-1.35	0.05	0.02	0.0	-2.38e-03	8.82e-03
		0.0	-2.38e-03	-8.09e-05	0.0	45.0	-1.35	-0.09	0.02	0.0	3.98e-03	0.0
192	177	0.36	0.02	3.03e-04	-0.14	0.0	0.17	-0.73	-0.04	0.0	0.02	0.36
		0.0	-1.53e-03	-4.15e-05	0.0	45.0	0.17	-0.88	-0.04	0.0	-1.53e-03	0.0
192	180	0.0	1.56e-03	-2.61e-04	-0.14	0.0	-0.08	0.90	0.04	0.0	-0.02	-0.38
		-0.38	-0.02	3.74e-05	0.0	45.0	-0.08	0.76	0.04	0.0	1.56e-03	0.0
192	194	1.77e-04	2.30e-03	4.60e-06	-0.14	0.0	1.46	0.13	-0.02	0.0	2.30e-03	-0.03
		-0.03	-3.83e-03	8.16e-05	0.0	45.0	1.46	-0.01	-0.02	0.0	-3.83e-03	0.0
192	195	0.02	3.86e-03	3.69e-05	-0.14	0.0	-1.36	0.04	0.02	0.0	-2.37e-03	0.01
		0.0	-2.37e-03	-8.56e-05	0.0	45.0	-1.36	-0.10	0.02	0.0	3.86e-03	0.0
192	209	0.43	0.02	3.51e-04	-0.14	0.0	0.18	-0.87	-0.05	0.0	0.02	0.43
		0.0	-1.76e-03	-4.75e-05	0.0	45.0	0.18	-1.02	-0.05	0.0	-1.76e-03	0.0
192	212	0.0	1.79e-03	-3.09e-04	-0.14	0.0	-0.09	1.04	0.05	0.0	-0.02	-0.44
		-0.44	-0.02	4.34e-05	0.0	45.0	-0.09	0.90	0.05	0.0	1.79e-03	0.0
192	226	0.0	2.68e-03	-1.35e-06	-0.14	0.0	1.73	0.15	-0.03	0.0	2.68e-03	-0.03
		-0.03	-4.52e-03	9.97e-05	0.0	45.0	1.73	6.29e-03	-0.03	0.0	-4.52e-03	0.0
192	227	0.02	4.55e-03	4.28e-05	-0.14	0.0	-1.64	0.02	0.03	0.0	-2.74e-03	0.02
		0.0	-2.74e-03	-1.04e-04	0.0	45.0	-1.64	-0.12	0.03	0.0	4.55e-03	0.0
192	248	7.98e-03	4.40e-04	2.82e-05	-0.14	0.0	0.13	0.07	-9.30e-04	0.0	4.40e-04	8.44e-05
		0.0	2.14e-05	0.0	0.0	45.0	0.13	-0.07	-9.30e-04	0.0	2.14e-05	0.0
192	251	6.32e-03	4.05e-04	2.86e-05	-0.14	0.0	0.16	0.08	-8.39e-04	0.0	4.05e-04	-3.41e-03
		-3.41e-03	2.69e-05	-1.00e-06	0.0	45.0	0.16	-0.06	-8.39e-04	0.0	2.69e-05	0.0
192	261	2.96e-03	-2.24e-05	5.17e-06	-0.14	0.0	-0.20	0.10	2.13e-03	0.0	-9.79e-04	-0.01
		-0.01	-9.79e-04	-3.83e-06	0.0	45.0	-0.20	-0.04	2.13e-03	0.0	-2.24e-05	0.0
192	264	1.99e-03	-1.69e-05	5.50e-06	-0.14	0.0	-0.17	0.11	2.22e-03	0.0	-1.01e-03	-0.02
		-0.02	-1.01e-03	-4.87e-06	0.0	45.0	-0.17	-0.04	2.22e-03	0.0	-1.69e-05	0.0
192	273	6.20e-03	3.95e-03	2.03e-05	-0.14	0.0	-0.07	0.08	-0.02	0.0	3.95e-03	-3.70e-03
		-3.70e-03	-4.89e-03	-1.94e-06	0.0	45.0	-0.07	-0.06	-0.02	0.0	-4.89e-03	0.0
192	274	5.89e-03	3.92e-03	2.04e-05	-0.14	0.0	-0.07	0.08	-0.02	0.0	3.92e-03	-4.39e-03
		-4.39e-03	-4.89e-03	-2.08e-06	0.0	45.0	-0.07	-0.06	-0.02	0.0	-4.89e-03	0.0
192	302	6.40e-03	6.15e-05	2.21e-05	-0.14	0.0	0.05	0.08	-1.15e-04	0.0	6.15e-05	-3.24e-03
		-3.24e-03	9.72e-06	0.0	0.0	45.0	0.05	-0.06	-1.15e-04	0.0	9.72e-06	0.0
192	303	5.35e-03	6.06e-05	2.23e-05	-0.14	0.0	0.07	0.08	-1.00e-04	0.0	6.06e-05	-5.64e-03
		-5.64e-03	1.54e-05	-1.77e-06	0.0	45.0	0.07	-0.06	-1.00e-04	0.0	1.54e-05	0.0
192	304	5.31e-03	0.0	1.75e-05	-0.14	0.0	-0.02	0.08	4.96e-04	0.0	-2.22e-04	-5.73e-03
		-5.73e-03	-2.22e-04	-1.77e-06	0.0	45.0	-0.02	-0.06	4.96e-04	0.0	0.0	0.0
192	305	4.39e-03	6.67e-06	1.77e-05	-0.14	0.0	1.07e-03	0.09	5.11e-04	0.0	-2.23e-04	-8.13e-03
		-8.13e-03	-2.23e-04	-2.54e-06	0.0	45.0	1.07e-03	-0.05	5.11e-04	0.0	6.67e-06	0.0
192	306	6.07e-03	7.64e-04	2.05e-05	-0.14	0.0	4.44e-03	0.08	-3.86e-03	0.0	7.64e-04	-3.99e-03
		-3.99e-03	-9.73e-04	-1.39e-06	0.0	45.0	4.44e-03	-0.06	-3.86e-03	0.0	-9.73e-04	0.0
192	309	6.04e-03	6.80e-06	2.05e-05	-0.14	0.0	0.02	0.08	8.87e-05	0.0	-3.31e-05	-4.07e-03
		-4.07e-03	-3.31e-05	-1.25e-06	0.0	45.0	0.02	-0.06	8.87e-05	0.0	6.80e-06	0.0
192	310	5.02e-03	1.25e-05	2.07e-05	-0.14	0.0	0.05	0.08	1.03e-04	0.0	-3.40e-05	-6.47e-03
		-6.47e-03	-3.40e-05	-2.03e-06	0.0	45.0	0.05	-0.06	1.03e-04	0.0	1.25e-05	0.0
193	20	0.13	6.92e-05	-1.49e-05	-0.14	0.0	0.52	0.37	-0.01	0.0	6.92e-05	0.0
		0.0	-5.41e-03	0.0	0.0	45.0	0.52	0.23	-0.01	0.0	-5.41e-03	0.13
193	41	0.30	3.88e-04	-4.66e-05	-0.18	0.0	-1.08	0.75	-0.03	0.0	3.88e-04	0.0
		0.0	-0.01	-3.99e-06	0.0	45.0	-1.08	0.57	-0.03	0.0	-0.01	0.30
193	43	0.28	5.16e-04	-5.51e-05	-0.18	0.0	-1.09	0.72	-0.05	0.0	5.16e-04	0.0
		0.0	-0.02	-4.84e-06	0.0	45.0	-1.09	0.54	-0.05	0.0	-0.02	0.28
193	44	0.28	5.51e-04	-5.56e-05	-0.18	0.0	-1.08	0.71	-0.05	0.0	5.51e-04	0.0
		0.0	-0.02	-4.91e-06	0.0	45.0	-1.08	0.52	-0.05	0.0	-0.02	0.28
193	68	0.20	-0.01	-3.88e-05	-0.18	0.0	-0.01	0.55	-0.04	0.0	-0.01	0.0
		0.0	-0.03	1.08e-06	0.0	45.0	-0.01	0.36	-0.04	0.0	-0.03	0.20
193	92	0.21	6.84e-03	-3.99e-05	-0.18	0.0	-0.03	0.55	-0.03	0.0	6.84e-03	0.0
		0.0	-8.82e-03	-3.25e-06	0.0	45.0	-0.03	0.36	-0.03	0.0	-8.82e-03	0.21
193	113	0.0	0.03	1.77e-04	-0.14	0.0	6.07	-1.97	0.08	0.0	-5.18e-03	0.0
		-0.92	-5.18e-03	-9.09e-06	0.0	45.0	6.07	-2.11	0.08	0.0	0.03	-0.92
193	114	0.0	0.01	1.37e-04	-0.14	0.0	7.05	-1.52	0.04	0.0	-0.01	0.0
		-0.71	-0.01	2.38e-05	0.0	45.0	7.05	-1.66	0.04	0.0	0.01	-0.71
193	115	1.05	0.01	-1.93e-04	-0.14	0.0	-7.09	2.39	-0.09	0.0	0.01	0.0
		0.0	-0.03	-2.61e-05	0.0	45.0	-7.09	2.25	-0.09	0.0	-0.03	1.05
193	116	1.25	5.61e-03	-2.33e-04	-0.14	0.0	-6.11	2.84	-0.12	0.0	5.61e-03	0.0
		0.0	-0.05	6.82e-06	0.0	45.0	-6.11	2.70	-0.12	0.0	-0.05	1.25
193	121	0.0	0.03	1.47e-04	-0.14	0.0	4.91	-1.61	0.08	0.0	-3.67e-03	0.0
		-0.76	-3.67e-03	-1.60e-05	0.0	45.0	4.91	-1.75	0.08	0.0	0.03	-0.76

193	124	1.09	4.10e-03	-2.03e-04	-0.14	0.0	-4.96	2.49	-0.13	0.0	4.10e-03	0.0
		0.0	-0.05	1.37e-05	0.0	45.0	-4.96	2.35	-0.13	0.0	-0.05	1.09
193	145	0.0	0.03	2.03e-04	-0.14	0.0	6.81	-2.26	0.09	0.0	-5.81e-03	0.0
		-1.05	-5.81e-03	-1.08e-05	0.0	45.0	6.81	-2.41	0.09	0.0	0.03	-1.05
193	146	0.0	0.02	1.58e-04	-0.14	0.0	7.92	-1.76	0.05	0.0	-0.01	0.0
		-0.82	-0.01	2.65e-05	0.0	45.0	7.92	-1.90	0.05	0.0	0.02	-0.82
193	147	1.15	0.01	-2.13e-04	-0.14	0.0	-7.97	2.63	-0.10	0.0	0.01	0.0
		0.0	-0.04	-2.88e-05	0.0	45.0	-7.97	2.49	-0.10	0.0	-0.04	1.15
193	148	1.38	6.24e-03	-2.58e-04	-0.14	0.0	-6.86	3.14	-0.14	0.0	6.24e-03	0.0
		0.0	-0.05	8.52e-06	0.0	45.0	-6.86	3.00	-0.14	0.0	-0.05	1.38
193	153	0.0	0.03	1.69e-04	-0.14	0.0	5.52	-1.87	0.09	0.0	-4.13e-03	0.0
		-0.87	-4.13e-03	-1.80e-05	0.0	45.0	5.52	-2.01	0.09	0.0	0.03	-0.87
193	156	1.20	4.56e-03	-2.25e-04	-0.14	0.0	-5.57	2.75	-0.14	0.0	4.56e-03	0.0
		0.0	-0.05	1.57e-05	0.0	45.0	-5.57	2.61	-0.14	0.0	-0.05	1.20
193	177	0.0	0.03	2.00e-04	-0.14	0.0	6.67	-2.24	0.09	0.0	-5.48e-03	0.0
		-1.04	-5.48e-03	-1.49e-05	0.0	45.0	6.67	-2.38	0.09	0.0	0.03	-1.04
193	178	0.0	0.02	1.54e-04	-0.14	0.0	7.80	-1.71	0.05	0.0	-0.01	0.0
		-0.80	-0.01	2.42e-05	0.0	45.0	7.80	-1.85	0.05	0.0	0.02	-0.80
193	179	1.13	0.01	-2.10e-04	-0.14	0.0	-7.84	2.59	-0.10	0.0	0.01	0.0
		0.0	-0.04	-2.64e-05	0.0	45.0	-7.84	2.45	-0.10	0.0	-0.04	1.13
193	180	1.37	5.91e-03	-2.56e-04	-0.14	0.0	-6.72	3.12	-0.13	0.0	5.91e-03	0.0
		0.0	-0.05	1.26e-05	0.0	45.0	-6.72	2.97	-0.13	0.0	-0.05	1.37
193	185	0.0	0.03	1.67e-04	-0.14	0.0	5.40	-1.84	0.09	0.0	-3.90e-03	0.0
		-0.86	-3.90e-03	-1.88e-05	0.0	45.0	5.40	-1.99	0.09	0.0	0.03	-0.86
193	188	1.19	4.33e-03	-2.23e-04	-0.14	0.0	-5.44	2.72	-0.14	0.0	4.33e-03	0.0
		0.0	-0.05	1.66e-05	0.0	45.0	-5.44	2.58	-0.14	0.0	-0.05	1.19
193	209	0.0	0.04	2.40e-04	-0.14	0.0	7.77	-2.70	0.11	0.0	-6.29e-03	0.0
		-1.24	-6.29e-03	-2.00e-05	0.0	45.0	7.77	-2.84	0.11	0.0	0.04	-1.24
193	210	0.0	0.02	1.84e-04	-0.14	0.0	9.11	-2.07	0.06	0.0	-0.01	0.0
		-0.96	-0.01	2.72e-05	0.0	45.0	9.11	-2.21	0.06	0.0	0.02	-0.96
193	211	1.29	0.01	-2.40e-04	-0.14	0.0	-9.16	2.94	-0.11	0.0	0.01	0.0
		0.0	-0.04	-2.94e-05	0.0	45.0	-9.16	2.80	-0.11	0.0	-0.04	1.29
193	212	1.58	6.72e-03	-2.95e-04	-0.14	0.0	-7.82	3.57	-0.15	0.0	6.72e-03	0.0
		0.0	-0.06	1.77e-05	0.0	45.0	-7.82	3.43	-0.15	0.0	-0.06	1.58
193	217	0.0	0.04	1.99e-04	-0.14	0.0	6.25	-2.23	0.11	0.0	-4.45e-03	0.0
		-1.03	-4.45e-03	-2.26e-05	0.0	45.0	6.25	-2.37	0.11	0.0	0.04	-1.03
193	220	1.36	4.88e-03	-2.55e-04	-0.14	0.0	-6.30	3.10	-0.16	0.0	4.88e-03	0.0
		0.0	-0.06	2.03e-05	0.0	45.0	-6.30	2.96	-0.16	0.0	-0.06	1.36
193	249	0.15	1.01e-04	-1.80e-05	-0.14	0.0	0.34	0.40	-0.01	0.0	1.01e-04	0.0
		0.0	-6.23e-03	0.0	0.0	45.0	0.34	0.26	-0.01	0.0	-6.23e-03	0.15
193	261	0.22	2.70e-04	-3.37e-05	-0.14	0.0	-0.72	0.57	-0.02	0.0	2.70e-04	0.0
		0.0	-9.66e-03	-2.71e-06	0.0	45.0	-0.72	0.42	-0.02	0.0	-9.66e-03	0.22
193	263	0.21	3.55e-04	-3.94e-05	-0.14	0.0	-0.73	0.54	-0.03	0.0	3.55e-04	0.0
		0.0	-0.01	-3.28e-06	0.0	45.0	-0.73	0.40	-0.03	0.0	-0.01	0.21
193	264	0.21	3.79e-04	-3.97e-05	-0.14	0.0	-0.72	0.53	-0.03	0.0	3.79e-04	0.0
		0.0	-0.01	-3.32e-06	0.0	45.0	-0.72	0.39	-0.03	0.0	-0.01	0.21
193	276	0.16	-8.39e-03	-2.85e-05	-0.14	0.0	-0.01	0.43	-0.03	0.0	-8.39e-03	0.0
		0.0	-0.02	0.0	0.0	45.0	-0.01	0.29	-0.03	0.0	-0.02	0.16
193	288	0.16	4.57e-03	-2.93e-05	-0.14	0.0	-0.02	0.43	-0.02	0.0	4.57e-03	0.0
		0.0	-6.43e-03	-2.22e-06	0.0	45.0	-0.02	0.29	-0.02	0.0	-6.43e-03	0.16
193	302	0.17	1.29e-04	-2.20e-05	-0.14	0.0	0.05	0.45	-0.01	0.0	1.29e-04	0.0
		0.0	-6.52e-03	0.0	0.0	45.0	0.05	0.31	-0.01	0.0	-6.52e-03	0.17
193	304	0.18	1.67e-04	-2.52e-05	-0.14	0.0	-0.16	0.48	-0.02	0.0	1.67e-04	0.0
		0.0	-7.38e-03	-1.06e-06	0.0	45.0	-0.16	0.34	-0.02	0.0	-7.38e-03	0.18
193	305	0.18	2.41e-04	-3.00e-05	-0.14	0.0	-0.16	0.46	-0.02	0.0	2.41e-04	0.0
		0.0	-0.01	-1.55e-06	0.0	45.0	-0.16	0.32	-0.02	0.0	-0.01	0.18
193	307	0.17	-1.51e-03	-2.78e-05	-0.14	0.0	-0.02	0.44	-0.02	0.0	-1.51e-03	0.0
		0.0	-0.01	0.0	0.0	45.0	-0.02	0.30	-0.02	0.0	-0.01	0.17
193	308	0.17	1.01e-03	-2.31e-05	-0.14	0.0	-0.02	0.46	-0.02	0.0	1.01e-03	0.0
		0.0	-5.75e-03	0.0	0.0	45.0	-0.02	0.32	-0.02	0.0	-5.75e-03	0.17
193	309	0.17	1.41e-04	-2.31e-05	-0.14	0.0	-0.02	0.46	-0.02	0.0	1.41e-04	0.0
		0.0	-6.81e-03	0.0	0.0	45.0	-0.02	0.32	-0.02	0.0	-6.81e-03	0.17
193	310	0.17	2.15e-04	-2.79e-05	-0.14	0.0	-0.02	0.44	-0.02	0.0	2.15e-04	0.0
		0.0	-0.01	-1.14e-06	0.0	45.0	-0.02	0.30	-0.02	0.0	-0.01	0.17
194	19	0.19	-8.74e-04	-9.60e-06	-0.14	0.0	0.41	0.18	7.26e-03	0.0	-4.14e-03	0.14
		0.14	-4.14e-03	0.0	0.0	45.0	0.41	0.04	7.26e-03	0.0	-8.74e-04	0.19
194	22	0.21	-7.16e-04	-2.05e-05	-0.14	0.0	0.18	0.27	0.02	0.0	-0.01	0.12
		0.12	-0.01	-1.43e-06	0.0	45.0	0.18	0.13	0.02	0.0	-7.16e-04	0.21
194	43	0.49	3.72e-03	-4.84e-05	-0.18	0.0	-1.60	0.56	0.05	0.0	-0.02	0.28
		0.28	-0.02	-7.41e-06	0.0	45.0	-1.60	0.38	0.05	0.0	3.72e-03	0.49
194	44	0.49	3.73e-03	-4.92e-05	-0.18	0.0	-1.62	0.57	0.06	0.0	-0.02	0.28
		0.28	-0.02	-7.64e-06	0.0	45.0	-1.62	0.39	0.06	0.0	3.73e-03	0.49
194	68	0.35	-0.01	-3.38e-05	-0.18	0.0	-1.13	0.42	0.04	0.0	-0.03	0.20
		0.20	-0.03	-2.80e-06	0.0	45.0	-1.13	0.24	0.04	0.0	-0.01	0.35
194	92	0.36	7.70e-03	-3.50e-05	-0.18	0.0	-0.16	0.43	0.04	0.0	-8.82e-03	0.21

		0.21	-8.82e-03	-4.54e-06	0.0	45.0	-0.16	0.25	0.04	0.0	7.70e-03	0.36
194	113	-0.92	0.03	1.63e-04	-0.14	0.0	-2.35	-2.06	-0.10	-3.05e-06	0.03	-0.92
		-1.88	-0.03	-1.54e-05	0.0	45.0	-2.35	-2.20	-0.10	-3.05e-06	-0.03	-1.88
194	116	2.42	0.03	-2.10e-04	-0.14	0.0	1.75	2.67	0.15	4.16e-06	-0.05	1.25
		1.25	-0.05	1.04e-05	0.0	45.0	1.75	2.53	0.15	4.16e-06	0.03	2.42
194	124	2.10	0.03	-1.83e-04	-0.14	0.0	1.41	2.32	0.16	3.63e-06	-0.05	1.09
		1.09	-0.05	9.68e-06	0.0	45.0	1.41	2.18	0.16	3.63e-06	0.03	2.10
194	127	1.79	0.04	-1.54e-04	-0.14	0.0	0.78	1.97	0.20	3.11e-06	-0.04	0.93
		0.93	-0.04	-1.23e-05	0.0	45.0	0.78	1.83	0.20	3.11e-06	0.04	1.79
194	145	-1.05	0.03	1.86e-04	-0.14	0.0	-2.59	-2.36	-0.11	-3.50e-06	0.03	-1.05
		-2.14	-0.03	-1.76e-05	0.0	45.0	-2.59	-2.50	-0.11	-3.50e-06	-0.03	-2.14
194	148	2.68	0.03	-2.33e-04	-0.14	0.0	1.99	2.96	0.16	4.61e-06	-0.05	1.38
		1.38	-0.05	1.27e-05	0.0	45.0	1.99	2.82	0.16	4.61e-06	0.03	2.68
194	156	2.33	0.03	-2.02e-04	-0.14	0.0	1.62	2.57	0.17	4.01e-06	-0.05	1.20
		1.20	-0.05	1.14e-05	0.0	45.0	1.62	2.43	0.17	4.01e-06	0.03	2.33
194	159	1.97	0.05	-1.71e-04	-0.14	0.0	0.91	2.17	0.22	3.43e-06	-0.04	1.03
		1.03	-0.04	-1.36e-05	0.0	45.0	0.91	2.03	0.22	3.43e-06	0.05	1.97
194	177	-1.04	0.03	1.84e-04	-0.14	0.0	-2.48	-2.33	-0.11	-3.46e-06	0.03	-1.04
		-2.12	-0.03	-2.14e-05	0.0	45.0	-2.48	-2.47	-0.11	-3.46e-06	-0.03	-2.12
194	180	2.66	0.03	-2.31e-04	-0.14	0.0	1.89	2.94	0.16	4.57e-06	-0.05	1.37
		1.37	-0.05	1.65e-05	0.0	45.0	1.89	2.80	0.16	4.57e-06	0.03	2.66
194	188	2.31	0.03	-2.01e-04	-0.14	0.0	1.52	2.55	0.17	3.98e-06	-0.05	1.19
		1.19	-0.05	1.24e-05	0.0	45.0	1.52	2.41	0.17	3.98e-06	0.03	2.31
194	191	1.94	0.05	-1.68e-04	-0.14	0.0	0.85	2.14	0.21	3.38e-06	-0.04	1.01
		1.01	-0.04	-1.36e-05	0.0	45.0	0.85	2.00	0.21	3.38e-06	0.05	1.94
194	209	-1.24	0.04	2.20e-04	-0.14	0.0	-2.84	-2.78	-0.13	-4.15e-06	0.04	-1.24
		-2.53	-0.04	-2.73e-05	0.0	45.0	-2.84	-2.93	-0.13	-4.15e-06	-0.04	-2.53
194	212	3.07	0.04	-2.67e-04	-0.14	0.0	2.25	3.39	0.18	5.25e-06	-0.06	1.58
		1.58	-0.06	2.23e-05	0.0	45.0	2.25	3.25	0.18	5.25e-06	0.04	3.07
194	220	2.65	0.04	-2.30e-04	-0.14	0.0	1.81	2.93	0.19	4.55e-06	-0.06	1.36
		1.36	-0.06	1.58e-05	0.0	45.0	1.81	2.78	0.19	4.55e-06	0.04	2.65
194	223	2.21	0.06	-1.91e-04	-0.14	0.0	1.02	2.43	0.25	3.83e-06	-0.05	1.15
		1.15	-0.05	-1.56e-05	0.0	45.0	1.02	2.29	0.25	3.83e-06	0.06	2.21
194	248	0.21	-3.85e-04	-1.28e-05	-0.14	0.0	0.20	0.21	0.01	0.0	-5.38e-03	0.15
		0.15	-5.38e-03	0.0	0.0	45.0	0.20	0.07	0.01	0.0	-3.85e-04	0.21
194	251	0.23	-2.79e-04	-2.00e-05	-0.14	0.0	0.04	0.27	0.02	0.0	-0.01	0.14
		0.14	-0.01	-1.54e-06	0.0	45.0	0.04	0.13	0.02	0.0	-2.79e-04	0.23
194	263	0.36	2.54e-03	-3.41e-05	-0.14	0.0	-1.07	0.40	0.04	0.0	-0.01	0.21
		0.21	-0.01	-5.07e-06	0.0	45.0	-1.07	0.26	0.04	0.0	2.54e-03	0.36
194	264	0.36	2.55e-03	-3.46e-05	-0.14	0.0	-1.09	0.41	0.04	0.0	-0.01	0.21
		0.21	-0.01	-5.22e-06	0.0	45.0	-1.09	0.27	0.04	0.0	2.55e-03	0.36
194	276	0.27	-8.41e-03	-2.44e-05	-0.14	0.0	-0.76	0.31	0.03	0.0	-0.02	0.16
		0.16	-0.02	-1.99e-06	0.0	45.0	-0.76	0.17	0.03	0.0	-8.41e-03	0.27
194	288	0.27	5.20e-03	-2.52e-05	-0.14	0.0	-0.12	0.32	0.03	0.0	-6.43e-03	0.16
		0.16	-6.43e-03	-3.15e-06	0.0	45.0	-0.12	0.18	0.03	0.0	5.20e-03	0.27
194	302	0.25	3.70e-04	-1.67e-05	-0.14	0.0	-0.10	0.24	0.02	0.0	-6.52e-03	0.17
		0.17	-6.52e-03	-1.28e-06	0.0	45.0	-0.10	0.10	0.02	0.0	3.70e-04	0.25
194	303	0.26	4.52e-04	-2.25e-05	-0.14	0.0	-0.22	0.29	0.02	0.0	-0.01	0.16
		0.16	-0.01	-2.21e-06	0.0	45.0	-0.22	0.15	0.02	0.0	4.52e-04	0.26
194	305	0.29	1.02e-03	-2.54e-05	-0.14	0.0	-0.45	0.32	0.03	0.0	-0.01	0.18
		0.18	-0.01	-2.95e-06	0.0	45.0	-0.45	0.18	0.03	0.0	1.02e-03	0.29
194	307	0.27	-1.17e-03	-2.33e-05	-0.14	0.0	-0.38	0.30	0.03	0.0	-0.01	0.17
		0.17	-0.01	-2.30e-06	0.0	45.0	-0.38	0.16	0.03	0.0	-1.17e-03	0.27
194	308	0.26	1.47e-03	-1.77e-05	-0.14	0.0	-0.13	0.25	0.02	0.0	-5.75e-03	0.17
		0.17	-5.75e-03	-1.60e-06	0.0	45.0	-0.13	0.11	0.02	0.0	1.47e-03	0.26
194	309	0.26	5.58e-04	-1.77e-05	-0.14	0.0	-0.18	0.25	0.02	0.0	-6.81e-03	0.17
		0.17	-6.81e-03	-1.52e-06	0.0	45.0	-0.18	0.11	0.02	0.0	5.58e-04	0.26
194	310	0.27	6.41e-04	-2.34e-05	-0.14	0.0	-0.30	0.30	0.02	0.0	-0.01	0.17
		0.17	-0.01	-2.46e-06	0.0	45.0	-0.30	0.16	0.02	0.0	6.41e-04	0.27
195	19	0.19	-8.74e-04	-3.58e-06	-0.14	0.0	0.33	-0.06	-0.04	0.0	-8.74e-04	0.19
		0.13	-0.02	0.0	0.0	45.0	0.33	-0.20	-0.04	0.0	-0.02	0.13
195	44	0.67	0.03	-3.99e-05	-0.18	0.0	-0.94	0.48	0.05	0.0	3.73e-03	0.49
		0.49	3.73e-03	-7.21e-06	0.0	45.0	-0.94	0.30	0.05	0.0	0.03	0.67
195	68	0.41	-0.01	-2.54e-05	-0.18	0.0	-0.46	0.23	-0.25	0.0	-0.01	0.35
		0.35	-0.12	-2.63e-06	0.0	45.0	-0.46	0.04	-0.25	0.0	-0.12	0.41
195	93	0.26	0.06	-1.08e-05	-0.14	0.0	0.09	0.07	0.11	0.0	7.34e-03	0.26
		0.26	7.34e-03	-1.72e-06	0.0	45.0	0.09	-0.07	0.11	0.0	0.06	0.26
195	113	-1.88	-0.03	1.52e-04	-0.14	0.0	-0.89	-3.82	-0.71	-3.05e-06	-0.03	-1.88
		-3.63	-0.35	-1.77e-05	0.0	45.0	-0.89	-3.96	-0.71	-3.05e-06	-0.35	-3.63
195	116	4.23	0.34	-1.86e-04	-0.14	0.0	0.67	4.10	0.69	4.16e-06	0.03	2.42
		2.42	0.03	1.33e-05	0.0	45.0	0.67	3.96	0.69	4.16e-06	0.34	4.23
195	126	-1.25	-0.04	1.02e-04	-0.14	0.0	-0.21	-2.65	-1.08	-2.01e-06	-0.04	-1.25
		-2.47	-0.53	9.02e-06	0.0	45.0	-0.21	-2.79	-1.08	-2.01e-06	-0.53	-2.47
195	127	3.08	0.52	-1.36e-04	-0.14	0.0	-4.63e-03	2.94	1.06	3.11e-06	0.04	1.79
		1.79	0.04	-1.26e-05	0.0	45.0	-4.63e-03	2.79	1.06	3.11e-06	0.52	3.08

195	129	-0.99	0.11	8.44e-05	-0.14	0.0	-1.17	-2.20	0.22	-1.55e-06	9.66e-03	-0.99
		-2.01	9.66e-03	-5.90e-05	0.0	45.0	-1.17	-2.34	0.22	-1.55e-06	0.11	-2.01
195	132	2.62	-8.38e-03	-1.18e-04	-0.14	0.0	0.95	2.49	-0.24	2.66e-06	-8.38e-03	1.53
		1.53	-0.12	5.46e-05	0.0	45.0	0.95	2.34	-0.24	2.66e-06	-0.12	2.62
195	145	-2.14	-0.03	1.74e-04	-0.14	0.0	-0.98	-4.31	-0.80	-3.50e-06	-0.03	-2.14
		-4.11	-0.39	-2.03e-05	0.0	45.0	-0.98	-4.45	-0.80	-3.50e-06	-0.39	-4.11
195	148	4.72	0.38	-2.07e-04	-0.14	0.0	0.77	4.59	0.77	4.61e-06	0.03	2.68
		2.68	0.03	1.59e-05	0.0	45.0	0.77	4.45	0.77	4.61e-06	0.38	4.72
195	158	-1.43	-0.05	1.16e-04	-0.14	0.0	-0.22	-3.00	-1.21	-2.33e-06	-0.05	-1.43
		-2.81	-0.60	1.04e-05	0.0	45.0	-0.22	-3.14	-1.21	-2.33e-06	-0.60	-2.81
195	159	3.42	0.59	-1.50e-04	-0.14	0.0	6.43e-03	3.28	1.19	3.43e-06	0.05	1.97
		1.97	0.05	-1.40e-05	0.0	45.0	6.43e-03	3.14	1.19	3.43e-06	0.59	3.42
195	161	-1.15	0.12	9.74e-05	-0.14	0.0	-1.30	-2.50	0.25	-1.82e-06	0.01	-1.15
		-2.31	0.01	-6.68e-05	0.0	45.0	-1.30	-2.64	0.25	-1.82e-06	0.12	-2.31
195	164	2.92	-9.55e-03	-1.31e-04	-0.14	0.0	1.08	2.79	-0.27	2.92e-06	-9.55e-03	1.69
		1.69	-0.13	6.24e-05	0.0	45.0	1.08	2.64	-0.27	2.92e-06	-0.13	2.92
195	177	-2.12	-0.03	1.72e-04	-0.14	0.0	-0.95	-4.27	-0.77	-3.46e-06	-0.03	-2.12
		-4.07	-0.38	-2.39e-05	0.0	45.0	-0.95	-4.41	-0.77	-3.46e-06	-0.38	-4.07
195	180	4.68	0.37	-2.06e-04	-0.14	0.0	0.73	4.55	0.75	4.57e-06	0.03	2.66
		2.66	0.03	1.95e-05	0.0	45.0	0.73	4.41	0.75	4.57e-06	0.37	4.68
195	190	-1.40	-0.05	1.14e-04	-0.14	0.0	-0.20	-2.94	-1.19	-2.27e-06	-0.05	-1.40
		-2.76	-0.59	1.04e-05	0.0	45.0	-0.20	-3.08	-1.19	-2.27e-06	-0.59	-2.76
195	191	3.36	0.58	-1.48e-04	-0.14	0.0	-0.02	3.22	1.17	3.38e-06	0.05	1.94
		1.94	0.05	-1.40e-05	0.0	45.0	-0.02	3.08	1.17	3.38e-06	0.58	3.36
195	193	-1.17	0.13	9.87e-05	-0.14	0.0	-1.27	-2.53	0.26	-1.84e-06	0.01	-1.17
		-2.34	0.01	-7.04e-05	0.0	45.0	-1.27	-2.67	0.26	-1.84e-06	0.13	-2.34
195	196	2.94	-9.72e-03	-1.33e-04	-0.14	0.0	1.05	2.82	-0.28	2.95e-06	-9.72e-03	1.71
		1.71	-0.14	6.60e-05	0.0	45.0	1.05	2.67	-0.28	2.95e-06	-0.14	2.94
195	209	-2.53	-0.04	2.04e-04	-0.14	0.0	-1.09	-5.02	-0.89	-4.15e-06	-0.04	-2.53
		-4.82	-0.44	-3.02e-05	0.0	45.0	-1.09	-5.16	-0.89	-4.15e-06	-0.44	-4.82
195	212	5.43	0.43	-2.38e-04	-0.14	0.0	0.87	5.31	0.87	5.25e-06	0.04	3.07
		3.07	0.04	2.58e-05	0.0	45.0	0.87	5.17	0.87	5.25e-06	0.43	5.43
195	222	-1.67	-0.06	1.35e-04	-0.14	0.0	-0.21	-3.43	-1.39	-2.73e-06	-0.06	-1.67
		-3.25	-0.68	1.25e-05	0.0	45.0	-0.21	-3.57	-1.39	-2.73e-06	-0.68	-3.25
195	223	3.85	0.67	-1.69e-04	-0.14	0.0	-0.01	3.72	1.36	3.83e-06	0.06	2.21
		2.21	0.06	-1.61e-05	0.0	45.0	-0.01	3.58	1.36	3.83e-06	0.67	3.85
195	225	-1.44	0.16	1.20e-04	-0.14	0.0	-1.48	-3.03	0.32	-2.29e-06	0.01	-1.44
		-2.83	0.01	-8.52e-05	0.0	45.0	-1.48	-3.17	0.32	-2.29e-06	0.16	-2.83
195	228	3.44	-0.01	-1.54e-04	-0.14	0.0	1.26	3.32	-0.34	3.40e-06	-0.01	1.98
		1.98	-0.17	8.08e-05	0.0	45.0	1.26	3.17	-0.34	3.40e-06	-0.17	3.44
195	248	0.21	-3.85e-04	-6.63e-06	-0.14	0.0	0.20	-9.51e-03	-0.03	0.0	-3.85e-04	0.21
		0.18	-0.01	0.0	0.0	45.0	0.20	-0.15	-0.03	0.0	-0.01	0.18
195	264	0.48	0.02	-2.75e-05	-0.14	0.0	-0.63	0.33	0.03	0.0	2.55e-03	0.36
		0.36	2.55e-03	-4.92e-06	0.0	45.0	-0.63	0.18	0.03	0.0	0.02	0.48
195	276	0.31	-8.41e-03	-1.79e-05	-0.14	0.0	-0.31	0.15	-0.16	0.0	-8.41e-03	0.27
		0.27	-0.08	-1.86e-06	0.0	45.0	-0.31	0.01	-0.16	0.0	-0.08	0.31
195	285	0.27	0.04	-1.14e-05	-0.14	0.0	0.03	0.08	0.07	0.0	5.09e-03	0.26
		0.26	5.09e-03	-1.66e-06	0.0	45.0	0.03	-0.06	0.07	0.0	0.04	0.26
195	302	0.25	3.70e-04	-1.03e-05	-0.14	0.0	-6.80e-03	0.06	-9.43e-03	0.0	3.70e-04	0.25
		0.24	-3.88e-03	-1.11e-06	0.0	45.0	-6.80e-03	-0.08	-9.43e-03	0.0	-3.88e-03	0.24
195	305	0.34	1.02e-03	-1.88e-05	-0.14	0.0	-0.21	0.18	-2.95e-03	0.0	1.02e-03	0.29
		0.29	-3.12e-04	-2.69e-06	0.0	45.0	-0.21	0.03	-2.95e-03	0.0	-3.12e-04	0.34
195	307	0.30	-1.17e-03	-1.69e-05	-0.14	0.0	-0.15	0.14	-0.04	0.0	-1.17e-03	0.27
		0.27	-0.02	-2.08e-06	0.0	45.0	-0.15	4.99e-04	-0.04	0.0	-0.02	0.30
195	308	0.27	6.08e-03	-1.12e-05	-0.14	0.0	-0.04	0.07	0.01	0.0	1.47e-03	0.26
		0.26	1.47e-03	-1.42e-06	0.0	45.0	-0.04	-0.07	0.01	0.0	6.08e-03	0.26
195	309	0.27	5.58e-04	-1.12e-05	-0.14	0.0	-0.06	0.07	-4.72e-03	0.0	5.58e-04	0.26
		0.26	-1.57e-03	-1.36e-06	0.0	45.0	-0.06	-0.07	-4.72e-03	0.0	-1.57e-03	0.26
195	310	0.30	6.41e-04	-1.70e-05	-0.14	0.0	-0.11	0.14	-0.01	0.0	6.41e-04	0.27
		0.27	-4.93e-03	-2.20e-06	0.0	45.0	-0.11	1.79e-03	-0.01	0.0	-4.93e-03	0.30
196	19	0.13	-1.84e-03	3.34e-06	-0.14	0.0	1.32	-0.46	0.04	0.0	-0.02	0.13
		-0.11	-0.02	-1.74e-06	0.0	45.0	1.32	-0.60	0.04	0.0	-1.84e-03	-0.11
196	44	0.81	0.03	-2.76e-05	-0.18	0.0	-5.47	0.40	-0.05	3.15e-06	0.03	0.67
		0.67	2.56e-03	-4.07e-06	0.0	45.0	-5.47	0.22	-0.05	3.15e-06	2.56e-03	0.81
196	68	0.41	-0.01	-1.49e-05	-0.18	0.0	-3.24	-0.08	0.25	2.06e-06	-0.12	0.41
		0.34	-0.12	-1.81e-05	0.0	45.0	-3.24	-0.26	0.25	2.06e-06	-0.01	0.34
196	93	0.26	0.06	-3.03e-06	-0.14	0.0	0.21	-0.22	-0.11	1.44e-06	0.06	0.26
		0.12	5.64e-03	5.30e-06	0.0	45.0	0.21	-0.36	-0.11	1.44e-06	5.64e-03	0.12
196	113	-3.63	-0.03	1.13e-04	-0.14	0.0	-12.54	-5.65	0.71	-1.51e-05	-0.35	-3.63
		-6.20	-0.35	4.10e-06	0.0	45.0	-12.54	-5.79	0.71	-1.51e-05	-0.03	-6.20
196	116	6.64	0.34	-1.31e-04	-0.14	0.0	10.40	5.43	-0.69	1.83e-05	0.34	4.23
		4.23	0.03	-8.78e-06	0.0	45.0	10.40	5.29	-0.69	1.83e-05	0.03	6.64
196	126	-2.47	-0.07	7.69e-05	-0.14	0.0	-12.32	-4.03	1.01	-1.02e-05	-0.53	-2.47
		-4.32	-0.53	-3.75e-04	0.0	45.0	-12.32	-4.18	1.01	-1.02e-05	-0.07	-4.32
196	127	4.76	0.52	-9.46e-05	-0.14	0.0	10.18	3.82	-0.99	1.34e-05	0.52	3.08

		3.08	0.07	3.69e-04	0.0	45.0	10.18	3.68	-0.99	1.34e-05	0.07	4.76
196	145	-4.11	-0.03	1.29e-04	-0.14	0.0	-13.94	-6.34	0.80	-1.72e-05	-0.39	-4.11
		-7.00	-0.39	4.26e-06	0.0	45.0	-13.94	-6.48	0.80	-1.72e-05	-0.03	-7.00
196	148	7.44	0.38	-1.46e-04	-0.14	0.0	11.80	6.12	-0.78	2.03e-05	0.38	4.72
		4.72	0.03	-8.58e-06	0.0	45.0	11.80	5.98	-0.78	2.03e-05	0.03	7.44
196	158	-2.81	-0.08	8.75e-05	-0.14	0.0	-13.71	-4.52	1.14	-1.17e-05	-0.60	-2.81
		-4.88	-0.60	-4.22e-04	0.0	45.0	-13.71	-4.66	1.14	-1.17e-05	-0.08	-4.88
196	159	5.32	0.59	-1.05e-04	-0.14	0.0	11.56	4.30	-1.12	1.48e-05	0.59	3.42
		3.42	0.08	4.16e-04	0.0	45.0	11.56	4.16	-1.12	1.48e-05	0.08	5.32
196	177	-4.07	-0.03	1.27e-04	-0.14	0.0	-13.65	-6.28	0.78	-1.70e-05	-0.38	-4.07
		-6.93	-0.38	-2.54e-06	0.0	45.0	-13.65	-6.42	0.78	-1.70e-05	-0.03	-6.93
196	180	7.37	0.37	-1.45e-04	-0.14	0.0	11.50	6.06	-0.76	2.02e-05	0.37	4.68
		4.68	0.03	-4.22e-06	0.0	45.0	11.50	5.92	-0.76	2.02e-05	0.03	7.37
196	190	-2.76	-0.08	8.56e-05	-0.14	0.0	-13.38	-4.44	1.12	-1.15e-05	-0.59	-2.76
		-4.79	-0.59	-4.20e-04	0.0	45.0	-13.38	-4.58	1.12	-1.15e-05	-0.08	-4.79
196	191	5.23	0.58	-1.03e-04	-0.14	0.0	11.23	4.22	-1.10	1.46e-05	0.58	3.36
		3.36	0.08	4.15e-04	0.0	45.0	11.23	4.08	-1.10	1.46e-05	0.08	5.23
196	209	-4.82	-0.03	1.51e-04	-0.14	0.0	-15.74	-7.33	0.90	-2.02e-05	-0.44	-4.82
		-8.15	-0.44	-5.99e-06	0.0	45.0	-15.74	-7.48	0.90	-2.02e-05	-0.03	-8.15
196	212	8.60	0.43	-1.68e-04	-0.14	0.0	13.59	7.12	-0.88	2.33e-05	0.43	5.43
		5.43	0.03	-2.92e-06	0.0	45.0	13.59	6.98	-0.88	2.33e-05	0.03	8.60
196	222	-3.25	-0.10	1.01e-04	-0.14	0.0	-15.36	-5.13	1.30	-1.35e-05	-0.68	-3.25
		-5.59	-0.68	-4.93e-04	0.0	45.0	-15.36	-5.27	1.30	-1.35e-05	-0.10	-5.59
196	223	6.03	0.67	-1.19e-04	-0.14	0.0	13.21	4.92	-1.28	1.67e-05	0.67	3.85
		3.85	0.10	4.87e-04	0.0	45.0	13.21	4.77	-1.28	1.67e-05	0.10	6.03
196	248	0.18	-1.30e-03	0.0	-0.14	0.0	0.63	-0.37	0.03	1.09e-06	-0.01	0.18
		-0.02	-0.01	-1.78e-06	0.0	45.0	0.63	-0.51	0.03	1.09e-06	-1.30e-03	-0.02
196	264	0.55	0.02	-1.84e-05	-0.14	0.0	-3.67	0.23	-0.03	2.28e-06	0.02	0.48
		0.48	1.71e-03	-2.82e-06	0.0	45.0	-3.67	0.09	-0.03	2.28e-06	1.71e-03	0.55
196	276	0.31	-8.26e-03	-9.88e-06	-0.14	0.0	-2.18	-0.09	0.17	1.56e-06	-0.08	0.31
		0.24	-0.08	-1.22e-05	0.0	45.0	-2.18	-0.23	0.17	1.56e-06	-8.26e-03	0.24
196	285	0.26	0.04	-3.65e-06	-0.14	0.0	-0.11	-0.21	-0.07	1.45e-06	0.04	0.26
		0.14	3.68e-03	2.91e-06	0.0	45.0	-0.11	-0.35	-0.07	1.45e-06	3.68e-03	0.14
196	302	0.24	-3.81e-04	-2.62e-06	-0.14	0.0	-0.34	-0.24	7.77e-03	1.37e-06	-3.88e-03	0.24
		0.10	-3.88e-03	-1.60e-06	0.0	45.0	-0.34	-0.38	7.77e-03	1.37e-06	-3.81e-04	0.10
196	305	0.34	-1.08e-05	-1.05e-05	-0.14	0.0	-1.56	-0.05	6.69e-04	1.70e-06	-3.12e-04	0.34
		0.28	-3.12e-04	-2.74e-06	0.0	45.0	-1.56	-0.19	6.69e-04	1.70e-06	-1.08e-05	0.28
196	307	0.30	-2.01e-03	-8.78e-06	-0.14	0.0	-1.26	-0.11	0.04	1.56e-06	-0.02	0.30
		0.22	-0.02	-4.62e-06	0.0	45.0	-1.26	-0.25	0.04	1.56e-06	-2.01e-03	0.22
196	308	0.26	6.08e-03	-3.47e-06	-0.14	0.0	-0.49	-0.21	-0.01	1.44e-06	6.08e-03	0.26
		0.13	6.17e-04	0.0	0.0	45.0	-0.49	-0.35	-0.01	1.44e-06	6.17e-04	0.13
196	309	0.26	-1.50e-04	-3.43e-06	-0.14	0.0	-0.58	-0.21	3.15e-03	1.44e-06	-1.57e-03	0.26
		0.13	-1.57e-03	-1.56e-06	0.0	45.0	-0.58	-0.35	3.15e-03	1.44e-06	-1.50e-04	0.13
196	310	0.30	-4.73e-04	-8.87e-06	-0.14	0.0	-1.07	-0.11	9.90e-03	1.56e-06	-4.93e-03	0.30
		0.22	-4.93e-03	-2.83e-06	0.0	45.0	-1.07	-0.25	9.90e-03	1.56e-06	-4.73e-04	0.22
197	17	0.36	0.03	-1.06e-05	-0.18	0.0	0.16	0.42	-0.07	-2.23e-06	0.03	0.21
		0.21	-7.13e-04	0.0	0.0	45.0	0.16	0.24	-0.07	-2.23e-06	-7.13e-04	0.36
197	19	0.30	0.02	-2.84e-06	-0.14	0.0	0.26	0.27	-0.05	-1.77e-06	0.02	0.21
		0.21	7.85e-04	1.19e-06	0.0	45.0	0.26	0.13	-0.05	-1.77e-06	7.85e-04	0.30
197	42	1.64e-03	-6.12e-03	-2.62e-05	-0.18	0.0	-0.65	1.20	0.07	0.0	-0.04	-0.50
		-0.50	-0.04	-6.71e-06	0.0	45.0	-0.65	1.02	0.07	0.0	-6.12e-03	1.64e-03
197	44	9.56e-03	-7.04e-03	-3.03e-05	-0.18	0.0	-0.72	1.19	0.05	0.0	-0.03	-0.49
		-0.49	-0.03	-7.99e-06	0.0	45.0	-0.72	1.01	0.05	0.0	-7.04e-03	9.56e-03
197	68	0.25	0.14	-1.67e-05	-0.18	0.0	-0.63	0.66	-0.29	-1.75e-06	0.14	-9.10e-03
		-9.10e-03	0.01	1.29e-06	0.0	45.0	-0.63	0.47	-0.29	-1.75e-06	0.01	0.25
197	93	0.18	-7.88e-03	-9.64e-06	-0.14	0.0	0.22	0.54	0.12	-1.29e-06	-0.06	-0.03
		-0.03	-0.06	-3.45e-06	0.0	45.0	0.22	0.40	0.12	-1.29e-06	-7.88e-03	0.18
197	113	6.28	0.43	1.06e-04	-0.14	0.0	-1.58	-4.93	-0.88	-1.80e-05	0.43	6.28
		4.03	0.04	-3.56e-05	0.0	45.0	-1.58	-5.07	-0.88	-1.80e-05	0.04	4.03
197	116	-3.66	-0.04	-1.30e-04	-0.14	0.0	1.43	5.97	0.84	1.53e-05	-0.42	-6.31
		-6.31	-0.42	3.15e-05	0.0	45.0	1.43	5.83	0.84	1.53e-05	-0.04	-3.66
197	121	5.35	0.44	8.90e-05	-0.14	0.0	-1.64	-4.12	-0.90	-1.56e-05	0.44	5.35
		3.46	0.04	-2.91e-05	0.0	45.0	-1.64	-4.27	-0.90	-1.56e-05	0.04	3.46
197	124	-3.09	-0.04	-1.13e-04	-0.14	0.0	1.48	5.17	0.86	1.29e-05	-0.43	-5.38
		-5.38	-0.43	2.51e-05	0.0	45.0	1.48	5.03	0.86	1.29e-05	-0.04	-3.09
197	126	4.41	0.70	6.58e-05	-0.14	0.0	-1.64	-3.32	-1.42	-1.31e-05	0.70	4.41
		2.89	0.06	-5.59e-06	0.0	45.0	-1.64	-3.46	-1.42	-1.31e-05	0.06	2.89
197	127	-2.52	-0.07	-8.96e-05	-0.14	0.0	1.48	4.36	1.38	1.04e-05	-0.69	-4.45
		-4.45	-0.69	3.86e-06	0.0	45.0	1.48	4.22	1.38	1.04e-05	-0.07	-2.52
197	145	7.06	0.48	1.21e-04	-0.14	0.0	-1.77	-5.60	-0.98	-2.01e-05	0.48	7.06
		4.51	0.04	-4.02e-05	0.0	45.0	-1.77	-5.74	-0.98	-2.01e-05	0.04	4.51
197	148	-4.13	-0.05	-1.45e-04	-0.14	0.0	1.61	6.65	0.94	1.74e-05	-0.47	-7.09
		-7.09	-0.47	3.62e-05	0.0	45.0	1.61	6.50	0.94	1.74e-05	-0.05	-4.13
197	153	6.02	0.50	1.02e-04	-0.14	0.0	-1.83	-4.71	-1.01	-1.73e-05	0.50	6.02
		3.87	0.04	-3.26e-05	0.0	45.0	-1.83	-4.85	-1.01	-1.73e-05	0.04	3.87

197	156	-3.50	-0.05	-1.25e-04	-0.14	0.0	1.67	5.75	0.97	1.47e-05	-0.48	-6.06
		-6.06	-0.48	2.86e-05	0.0	45.0	1.67	5.61	0.97	1.47e-05	-0.05	-3.50
197	158	4.96	0.79	7.54e-05	-0.14	0.0	-1.83	-3.79	-1.59	-1.46e-05	0.79	4.96
		3.22	0.07	-6.11e-06	0.0	45.0	-1.83	-3.93	-1.59	-1.46e-05	0.07	3.22
197	159	-2.85	-0.07	-9.92e-05	-0.14	0.0	1.67	4.83	1.55	1.19e-05	-0.77	-5.00
		-5.00	-0.77	4.39e-06	0.0	45.0	1.67	4.69	1.55	1.19e-05	-0.07	-2.85
197	177	6.99	0.46	1.20e-04	-0.14	0.0	-1.73	-5.54	-0.94	-1.99e-05	0.46	6.99
		4.47	0.04	-4.25e-05	0.0	45.0	-1.73	-5.69	-0.94	-1.99e-05	0.04	4.47
197	180	-4.09	-0.04	-1.44e-04	-0.14	0.0	1.57	6.59	0.91	1.72e-05	-0.45	-7.03
		-7.03	-0.45	3.85e-05	0.0	45.0	1.57	6.45	0.91	1.72e-05	-0.04	-4.09
197	190	4.87	0.77	7.39e-05	-0.14	0.0	-1.79	-3.71	-1.56	-1.43e-05	0.77	4.87
		3.17	0.07	-5.67e-06	0.0	45.0	-1.79	-3.85	-1.56	-1.43e-05	0.07	3.17
197	191	-2.80	-0.07	-9.76e-05	-0.14	0.0	1.63	4.75	1.53	1.17e-05	-0.76	-4.90
		-4.90	-0.76	4.00e-06	0.0	45.0	1.63	4.61	1.53	1.17e-05	-0.07	-2.80
197	209	8.19	0.53	1.43e-04	-0.14	0.0	-2.00	-6.58	-1.09	-2.31e-05	0.53	8.19
		5.20	0.05	-5.14e-05	0.0	45.0	-2.00	-6.72	-1.09	-2.31e-05	0.05	5.20
197	212	-4.83	-0.05	-1.66e-04	-0.14	0.0	1.84	7.63	1.05	2.04e-05	-0.52	-8.23
		-8.23	-0.52	4.74e-05	0.0	45.0	1.84	7.49	1.05	2.04e-05	-0.05	-4.83
197	217	6.96	0.55	1.19e-04	-0.14	0.0	-2.06	-5.51	-1.12	-1.98e-05	0.55	6.96
		4.44	0.05	-3.87e-05	0.0	45.0	-2.06	-5.66	-1.12	-1.98e-05	0.05	4.44
197	220	-4.07	-0.05	-1.43e-04	-0.14	0.0	1.91	6.56	1.08	1.71e-05	-0.54	-6.99
		-6.99	-0.54	3.46e-05	0.0	45.0	1.91	6.42	1.08	1.71e-05	-0.05	-4.07
197	222	5.65	0.90	8.76e-05	-0.14	0.0	-2.06	-4.39	-1.82	-1.64e-05	0.90	5.65
		3.65	0.08	-6.17e-06	0.0	45.0	-2.06	-4.53	-1.82	-1.64e-05	0.08	3.65
197	223	-3.27	-0.08	-1.11e-04	-0.14	0.0	1.91	5.43	1.79	1.37e-05	-0.89	-5.69
		-5.69	-0.89	-4.86e-06	0.0	45.0	1.91	5.29	1.79	1.37e-05	-0.08	-3.27
197	248	0.26	0.02	-5.33e-06	-0.14	0.0	0.16	0.36	-0.04	-1.61e-06	0.02	0.13
		0.13	1.28e-05	0.0	0.0	45.0	0.16	0.22	-0.04	-1.61e-06	1.28e-05	0.26
197	250	0.26	0.02	-8.09e-06	-0.14	0.0	0.11	0.35	-0.05	-1.66e-06	0.02	0.14
		0.14	-6.06e-04	0.0	0.0	45.0	0.11	0.21	-0.05	-1.66e-06	-6.06e-04	0.26
197	262	0.03	-4.21e-03	-1.85e-05	-0.14	0.0	-0.43	0.87	0.05	0.0	-0.03	-0.33
		-0.33	-0.03	-4.59e-06	0.0	45.0	-0.43	0.73	0.05	0.0	-4.21e-03	0.03
197	264	0.03	-4.83e-03	-2.12e-05	-0.14	0.0	-0.48	0.86	0.04	0.0	-0.02	-0.33
		-0.33	-0.02	-5.44e-06	0.0	45.0	-0.48	0.72	0.04	0.0	-4.83e-03	0.03
197	276	0.19	0.09	-1.21e-05	-0.14	0.0	-0.42	0.51	-0.19	-1.34e-06	0.09	-7.94e-03
		-7.94e-03	6.73e-03	0.0	0.0	45.0	-0.42	0.37	-0.19	-1.34e-06	6.73e-03	0.19
197	285	0.18	-5.77e-03	-9.86e-06	-0.14	0.0	0.13	0.54	0.08	-1.29e-06	-0.04	-0.03
		-0.03	-0.04	-2.79e-06	0.0	45.0	0.13	0.39	0.08	-1.29e-06	-5.77e-03	0.18
197	302	0.20	4.74e-03	-8.67e-06	-0.14	0.0	3.90e-03	0.49	-0.01	-1.36e-06	4.74e-03	6.84e-03
		6.84e-03	-1.10e-03	0.0	0.0	45.0	3.90e-03	0.35	-0.01	-1.36e-06	-1.10e-03	0.20
197	303	0.20	8.86e-03	-1.10e-05	-0.14	0.0	-0.04	0.49	-0.02	-1.40e-06	8.86e-03	0.01
		0.01	-1.63e-03	-1.70e-06	0.0	45.0	-0.04	0.35	-0.02	-1.40e-06	-1.63e-03	0.20
197	304	0.15	-1.93e-03	-1.12e-05	-0.14	0.0	-0.11	0.59	4.23e-03	-1.17e-06	-3.83e-03	-0.08
		-0.08	-3.83e-03	-1.93e-06	0.0	45.0	-0.11	0.45	4.23e-03	-1.17e-06	-1.93e-03	0.15
197	305	0.16	2.97e-04	-1.36e-05	-0.14	0.0	-0.16	0.59	-6.12e-03	-1.21e-06	2.97e-04	-0.08
		-0.08	-2.46e-03	-2.66e-06	0.0	45.0	-0.16	0.45	-6.12e-03	-1.21e-06	-2.46e-03	0.16
197	307	0.19	0.02	-1.17e-05	-0.14	0.0	-0.14	0.52	-0.05	-1.34e-06	0.02	-0.01
		-0.01	-1.45e-04	-1.42e-06	0.0	45.0	-0.14	0.38	-0.05	-1.34e-06	-1.45e-04	0.19
197	308	0.18	-2.25e-03	-9.58e-06	-0.14	0.0	-2.39e-03	0.53	0.01	-1.29e-06	-6.80e-03	-0.02
		-0.02	-6.80e-03	-1.59e-06	0.0	45.0	-2.39e-03	0.39	0.01	-1.29e-06	-2.25e-03	0.18
197	309	0.18	1.88e-03	-9.51e-06	-0.14	0.0	-0.03	0.53	-7.23e-03	-1.29e-06	1.88e-03	-0.02
		-0.02	-1.37e-03	-1.29e-06	0.0	45.0	-0.03	0.39	-7.23e-03	-1.29e-06	-1.37e-03	0.18
197	310	0.19	6.01e-03	-1.19e-05	-0.14	0.0	-0.08	0.52	-0.02	-1.34e-06	6.01e-03	-0.02
		-0.02	-1.90e-03	-2.02e-06	0.0	45.0	-0.08	0.38	-0.02	-1.34e-06	-1.90e-03	0.19
198	17	0.39	2.10e-03	-2.00e-06	-0.18	0.0	0.01	0.16	6.26e-03	-1.05e-06	-7.13e-04	0.36
		0.36	-7.13e-04	-1.13e-06	0.0	45.0	0.01	-0.02	6.26e-03	-1.05e-06	2.10e-03	0.39
198	46	0.13	8.60e-04	-1.66e-05	-0.14	0.0	-0.64	0.47	0.01	0.0	-5.55e-03	-0.05
		-0.05	-5.55e-03	-6.40e-06	0.0	45.0	-0.64	0.33	0.01	0.0	8.60e-04	0.13
198	68	0.33	0.01	-8.07e-06	-0.18	0.0	-1.09	0.28	-0.02	0.0	0.01	0.25
		0.25	-5.12e-04	0.0	0.0	45.0	-1.09	0.10	-0.02	0.0	-5.12e-04	0.33
198	69	0.24	0.01	-1.37e-06	-0.14	0.0	-0.85	0.19	-0.03	0.0	0.01	0.19
		0.19	-1.89e-03	3.33e-06	0.0	45.0	-0.85	0.05	-0.03	0.0	-1.89e-03	0.24
198	92	0.33	3.59e-03	-9.79e-06	-0.18	0.0	0.10	0.31	0.03	0.0	-9.48e-03	0.23
		0.23	-9.48e-03	-6.09e-06	0.0	45.0	0.10	0.13	0.03	0.0	3.59e-03	0.33
198	93	0.25	2.21e-03	-2.83e-06	-0.14	0.0	0.34	0.22	0.02	0.0	-7.88e-03	0.18
		0.18	-7.88e-03	-3.75e-06	0.0	45.0	0.34	0.08	0.02	0.0	2.21e-03	0.25
198	113	4.03	0.04	1.60e-04	-0.14	0.0	-6.25	-3.62	-0.08	-4.58e-06	0.04	4.03
		2.37	2.45e-03	-3.73e-05	0.0	45.0	-6.25	-3.76	-0.08	-4.58e-06	2.45e-03	2.37
198	116	-1.86	2.11e-04	-1.70e-04	-0.14	0.0	5.93	4.06	0.09	3.14e-06	-0.04	-3.66
		-3.66	-0.04	3.26e-05	0.0	45.0	5.93	3.92	0.09	3.14e-06	2.11e-04	-1.86
198	126	2.89	0.06	1.14e-04	-0.14	0.0	-4.93	-2.48	-0.12	-3.49e-06	0.06	2.89
		1.74	8.72e-03	-3.66e-06	0.0	45.0	-4.93	-2.62	-0.12	-3.49e-06	8.72e-03	1.74
198	127	-1.24	-6.06e-03	-1.24e-04	-0.14	0.0	4.61	2.92	0.13	2.05e-06	-0.07	-2.52
		-2.52	-0.07	-1.04e-06	0.0	45.0	4.61	2.77	0.13	2.05e-06	-6.06e-03	-1.24
198	145	4.51	0.04	1.80e-04	-0.14	0.0	-7.01	-4.10	-0.09	-5.05e-06	0.04	4.51

		2.63	2.55e-03	-4.21e-05	0.0	45.0	-7.01	-4.24	-0.09	-5.05e-06	2.55e-03	2.63
198	148	-2.12	1.11e-04	-1.91e-04	-0.14	0.0	6.68	4.54	0.10	3.62e-06	-0.05	-4.13
		-4.13	-0.05	3.74e-05	0.0	45.0	6.68	4.40	0.10	3.62e-06	1.11e-04	-2.12
198	158	3.22	0.07	1.28e-04	-0.14	0.0	-5.52	-2.81	-0.13	-3.83e-06	0.07	3.22
		1.93	9.66e-03	-3.68e-06	0.0	45.0	-5.52	-2.95	-0.13	-3.83e-06	9.66e-03	1.93
198	159	-1.42	-6.99e-03	-1.38e-04	-0.14	0.0	5.20	3.25	0.15	2.39e-06	-0.07	-2.85
		-2.85	-0.07	-1.02e-06	0.0	45.0	5.20	3.11	0.15	2.39e-06	-6.99e-03	-1.42
198	177	4.47	0.04	1.79e-04	-0.14	0.0	-6.91	-4.06	-0.08	-5.01e-06	0.04	4.47
		2.61	2.30e-03	-4.43e-05	0.0	45.0	-6.91	-4.20	-0.08	-5.01e-06	2.30e-03	2.61
198	180	-2.10	3.64e-04	-1.89e-04	-0.14	0.0	6.58	4.50	0.10	3.58e-06	-0.04	-4.09
		-4.09	-0.04	3.96e-05	0.0	45.0	6.58	4.36	0.10	3.58e-06	3.64e-04	-2.10
198	190	3.17	0.07	1.26e-04	-0.14	0.0	-5.42	-2.75	-0.13	-3.77e-06	0.07	3.17
		1.90	9.63e-03	-2.80e-06	0.0	45.0	-5.42	-2.90	-0.13	-3.77e-06	9.63e-03	1.90
198	191	-1.39	-6.97e-03	-1.36e-04	-0.14	0.0	5.09	3.19	0.15	2.34e-06	-0.07	-2.80
		-2.80	-0.07	-1.89e-06	0.0	45.0	5.09	3.05	0.15	2.34e-06	-6.97e-03	-1.39
198	209	5.20	0.05	2.10e-04	-0.14	0.0	-8.05	-4.79	-0.10	-5.74e-06	0.05	5.20
		3.01	2.31e-03	-5.34e-05	0.0	45.0	-8.05	-4.94	-0.10	-5.74e-06	2.31e-03	3.01
198	212	-2.50	3.50e-04	-2.20e-04	-0.14	0.0	7.72	5.23	0.11	4.31e-06	-0.05	-4.83
		-4.83	-0.05	4.87e-05	0.0	45.0	7.72	5.09	0.11	4.31e-06	3.50e-04	-2.50
198	222	3.65	0.08	1.46e-04	-0.14	0.0	-6.27	-3.23	-0.16	-4.26e-06	0.08	3.65
		2.16	0.01	-2.19e-06	0.0	45.0	-6.27	-3.37	-0.16	-4.26e-06	0.01	2.16
198	223	-1.65	-8.41e-03	-1.57e-04	-0.14	0.0	5.94	3.67	0.17	2.83e-06	-0.08	-3.27
		-3.27	-0.08	-2.50e-06	0.0	45.0	5.94	3.53	0.17	2.83e-06	-8.41e-03	-1.65
198	250	0.29	1.47e-03	-1.46e-06	-0.14	0.0	8.05e-03	0.14	4.62e-03	0.0	-6.06e-04	0.26
		0.26	-6.06e-04	0.0	0.0	45.0	8.05e-03	-5.23e-03	4.62e-03	0.0	1.47e-03	0.29
198	262	0.17	9.28e-04	-1.23e-05	-0.14	0.0	-0.46	0.39	0.01	0.0	-4.21e-03	0.03
		0.03	-4.21e-03	-4.84e-06	0.0	45.0	-0.46	0.25	0.01	0.0	9.28e-04	0.17
198	273	0.24	7.42e-03	-2.00e-06	-0.14	0.0	-0.60	0.20	-0.02	0.0	7.42e-03	0.19
		0.19	-9.07e-04	1.65e-06	0.0	45.0	-0.60	0.06	-0.02	0.0	-9.07e-04	0.24
198	276	0.25	6.73e-03	-5.45e-06	-0.14	0.0	-0.73	0.21	-0.02	0.0	6.73e-03	0.19
		0.19	-2.68e-04	0.0	0.0	45.0	-0.73	0.07	-0.02	0.0	-2.68e-04	0.25
198	285	0.25	1.83e-03	-3.07e-06	-0.14	0.0	0.19	0.22	0.02	0.0	-5.77e-03	0.18
		0.18	-5.77e-03	-3.07e-06	0.0	45.0	0.19	0.08	0.02	0.0	1.83e-03	0.25
198	288	0.25	2.47e-03	-6.59e-06	-0.14	0.0	0.07	0.23	0.02	0.0	-6.45e-03	0.18
		0.18	-6.45e-03	-4.19e-06	0.0	45.0	0.07	0.09	0.02	0.0	2.47e-03	0.25
198	298	0.25	1.40e-03	-5.54e-06	-0.14	0.0	-0.18	0.22	7.54e-03	0.0	-1.99e-03	0.19
		0.19	-1.99e-03	-2.49e-06	0.0	45.0	-0.18	0.08	7.54e-03	0.0	1.40e-03	0.25
198	303	0.26	1.35e-03	-4.24e-06	-0.14	0.0	-0.13	0.20	6.60e-03	0.0	-1.63e-03	0.20
		0.20	-1.63e-03	-2.03e-06	0.0	45.0	-0.13	0.06	6.60e-03	0.0	1.35e-03	0.26
198	304	0.23	8.89e-04	-4.47e-06	-0.14	0.0	-0.14	0.25	6.26e-03	0.0	-1.93e-03	0.15
		0.15	-1.93e-03	-2.14e-06	0.0	45.0	-0.14	0.10	6.26e-03	0.0	8.89e-04	0.23
198	305	0.24	1.30e-03	-6.91e-06	-0.14	0.0	-0.24	0.25	8.35e-03	0.0	-2.46e-03	0.16
		0.16	-2.46e-03	-2.99e-06	0.0	45.0	-0.24	0.11	8.35e-03	0.0	1.30e-03	0.24
198	307	0.25	9.67e-04	-4.98e-06	-0.14	0.0	-0.27	0.22	2.47e-03	0.0	-1.45e-04	0.19
		0.19	-1.45e-04	-1.72e-06	0.0	45.0	-0.27	0.08	2.47e-03	0.0	9.67e-04	0.25
198	308	0.25	1.10e-03	-2.77e-06	-0.14	0.0	-0.02	0.21	7.45e-03	0.0	-2.25e-03	0.18
		0.18	-2.25e-03	-1.81e-06	0.0	45.0	-0.02	0.07	7.45e-03	0.0	1.10e-03	0.25
198	309	0.25	9.18e-04	-2.69e-06	-0.14	0.0	-0.07	0.21	5.09e-03	0.0	-1.37e-03	0.18
		0.18	-1.37e-03	-1.50e-06	0.0	45.0	-0.07	0.07	5.09e-03	0.0	9.18e-04	0.25
198	310	0.25	1.33e-03	-5.13e-06	-0.14	0.0	-0.16	0.22	7.19e-03	0.0	-1.90e-03	0.19
		0.19	-1.90e-03	-2.35e-06	0.0	45.0	-0.16	0.08	7.19e-03	0.0	1.33e-03	0.25
199	17	0.39	4.98e-03	7.91e-06	-0.18	0.0	-0.23	-0.08	6.39e-03	-1.05e-06	2.10e-03	0.39
		0.31	2.10e-03	0.0	0.0	45.0	-0.23	-0.26	6.39e-03	-1.05e-06	4.98e-03	0.31
199	46	0.15	2.31e-03	-1.01e-05	-0.14	0.0	-0.33	0.11	3.23e-03	0.0	8.60e-04	0.13
		0.13	8.60e-04	-6.26e-06	0.0	45.0	-0.33	-0.03	3.23e-03	0.0	2.31e-03	0.15
199	68	0.33	-1.66e-04	1.09e-06	-0.18	0.0	-1.10	-0.02	7.70e-04	0.0	-5.12e-04	0.33
		0.28	-5.12e-04	0.0	0.0	45.0	-1.10	-0.21	7.70e-04	0.0	-1.66e-04	0.28
199	69	0.24	-1.89e-03	5.63e-06	-0.14	0.0	-0.83	-0.03	-3.69e-03	0.0	-1.89e-03	0.24
		0.20	-3.55e-03	2.99e-06	0.0	45.0	-0.83	-0.17	-3.69e-03	0.0	-3.55e-03	0.20
199	92	0.33	8.02e-03	-1.22e-06	-0.18	0.0	7.40e-03	-4.77e-04	9.84e-03	0.0	3.59e-03	0.33
		0.29	3.59e-03	-5.62e-06	0.0	45.0	7.40e-03	-0.18	9.84e-03	0.0	8.02e-03	0.29
199	93	0.25	4.63e-03	4.06e-06	-0.14	0.0	0.29	-0.01	5.38e-03	0.0	2.21e-03	0.25
		0.21	2.21e-03	-3.43e-06	0.0	45.0	0.29	-0.15	5.38e-03	0.0	4.63e-03	0.21
199	113	2.37	3.23e-03	1.81e-04	-0.14	0.0	-9.87	-2.14	9.65e-04	-4.58e-06	2.45e-03	2.37
		1.37	2.45e-03	-3.92e-05	0.0	45.0	-9.87	-2.28	9.65e-04	-4.58e-06	3.23e-03	1.37
199	116	-0.94	3.44e-03	-1.77e-04	-0.14	0.0	9.46	2.11	7.93e-03	3.14e-06	2.11e-04	-1.86
		-1.86	2.11e-04	3.48e-05	0.0	45.0	9.46	1.97	7.93e-03	3.14e-06	3.44e-03	-0.94
199	130	0.18	0.01	-9.54e-06	-0.14	0.0	-0.01	0.15	-0.02	0.0	0.01	0.15
		0.15	6.91e-03	5.95e-05	0.0	45.0	-0.01	7.61e-03	-0.02	0.0	6.91e-03	0.18
199	131	0.36	-2.43e-04	1.34e-05	-0.14	0.0	-0.40	-0.18	0.03	0.0	-0.01	0.36
		0.25	-0.01	-6.39e-05	0.0	45.0	-0.40	-0.32	0.03	0.0	-2.43e-04	0.25
199	145	2.63	3.21e-03	2.03e-04	-0.14	0.0	-11.07	-2.40	5.97e-04	-5.05e-06	2.55e-03	2.63
		1.52	2.55e-03	-4.42e-05	0.0	45.0	-11.07	-2.54	5.97e-04	-5.05e-06	3.21e-03	1.52
199	148	-1.09	3.46e-03	-1.99e-04	-0.14	0.0	10.66	2.38	8.30e-03	3.62e-06	1.11e-04	-2.12
		-2.12	1.11e-04	3.98e-05	0.0	45.0	10.66	2.24	8.30e-03	3.62e-06	3.46e-03	-1.09

199	162	0.18	0.02	-1.15e-05	-0.14	0.0	0.03	0.18	-0.02	0.0	0.02	0.13
		0.13	7.38e-03	6.77e-05	0.0	45.0	0.03	0.03	-0.02	0.0	7.38e-03	0.18
199	163	0.37	-7.16e-04	1.53e-05	-0.14	0.0	-0.45	-0.20	0.03	0.0	-0.01	0.37
		0.25	-0.01	-7.21e-05	0.0	45.0	-0.45	-0.34	0.03	0.0	-7.16e-04	0.25
199	177	2.61	3.15e-03	2.01e-04	-0.14	0.0	-10.94	-2.38	1.03e-03	-5.01e-06	2.30e-03	2.61
		1.50	2.30e-03	-4.62e-05	0.0	45.0	-10.94	-2.52	1.03e-03	-5.01e-06	3.15e-03	1.50
199	180	-1.07	3.52e-03	-1.98e-04	-0.14	0.0	10.53	2.36	7.87e-03	3.58e-06	3.64e-04	-2.10
		-2.10	3.64e-04	4.18e-05	0.0	45.0	10.53	2.22	7.87e-03	3.58e-06	3.52e-03	-1.07
199	194	0.16	0.02	-1.45e-05	-0.14	0.0	0.17	0.21	-0.02	0.0	0.02	0.10
		0.10	7.51e-03	7.03e-05	0.0	45.0	0.17	0.07	-0.02	0.0	7.51e-03	0.16
199	195	0.41	-8.46e-04	1.83e-05	-0.14	0.0	-0.58	-0.24	0.03	0.0	-0.01	0.41
		0.27	-0.01	-7.47e-05	0.0	45.0	-0.58	-0.38	0.03	0.0	-8.46e-04	0.27
199	209	3.01	3.09e-03	2.36e-04	-0.14	0.0	-12.77	-2.79	7.12e-04	-5.74e-06	2.31e-03	3.01
		1.72	2.31e-03	-5.56e-05	0.0	45.0	-12.77	-2.93	7.12e-04	-5.74e-06	3.09e-03	1.72
199	212	-1.29	3.58e-03	-2.32e-04	-0.14	0.0	12.36	2.76	8.18e-03	4.31e-06	3.50e-04	-2.50
		-2.50	3.50e-04	5.12e-05	0.0	45.0	12.36	2.62	8.18e-03	4.31e-06	3.58e-03	-1.29
199	226	0.14	0.02	-1.98e-05	-0.14	0.0	0.34	0.28	-0.02	0.0	0.02	0.04
		0.04	8.36e-03	8.52e-05	0.0	45.0	0.34	0.14	-0.02	0.0	8.36e-03	0.14
199	227	0.46	-1.70e-03	2.36e-05	-0.14	0.0	-0.76	-0.31	0.03	0.0	-0.02	0.46
		0.29	-0.02	-8.96e-05	0.0	45.0	-0.76	-0.45	0.03	0.0	-1.70e-03	0.29
199	250	0.29	3.48e-03	6.11e-06	-0.14	0.0	-0.15	-0.05	4.46e-03	0.0	1.47e-03	0.29
		0.24	1.47e-03	0.0	0.0	45.0	-0.15	-0.20	4.46e-03	0.0	3.48e-03	0.24
199	261	0.18	2.19e-03	-4.96e-06	-0.14	0.0	-0.24	0.07	3.16e-03	0.0	7.72e-04	0.17
		0.17	7.72e-04	-4.59e-06	0.0	45.0	-0.24	-0.08	3.16e-03	0.0	2.19e-03	0.17
199	273	0.24	-9.07e-04	4.87e-06	-0.14	0.0	-0.60	-0.03	-1.47e-03	0.0	-9.07e-04	0.24
		0.20	-1.57e-03	1.47e-06	0.0	45.0	-0.60	-0.17	-1.47e-03	0.0	-1.57e-03	0.20
199	276	0.25	5.43e-05	1.56e-06	-0.14	0.0	-0.74	-0.02	7.16e-04	0.0	-2.68e-04	0.25
		0.21	-2.68e-04	0.0	0.0	45.0	-0.74	-0.16	7.16e-04	0.0	5.43e-05	0.21
199	285	0.25	3.89e-03	3.82e-06	-0.14	0.0	0.15	-0.01	4.58e-03	0.0	1.83e-03	0.25
		0.21	1.83e-03	-2.82e-06	0.0	45.0	0.15	-0.15	4.58e-03	0.0	3.89e-03	0.21
199	288	0.25	5.51e-03	0.0	-0.14	0.0	2.56e-03	-3.60e-03	6.76e-03	0.0	2.47e-03	0.25
		0.22	2.47e-03	-3.87e-06	0.0	45.0	2.56e-03	-0.14	6.76e-03	0.0	5.51e-03	0.22
199	298	0.25	3.54e-03	1.54e-06	-0.14	0.0	-0.22	-0.01	4.76e-03	0.0	1.40e-03	0.25
		0.22	1.40e-03	-2.33e-06	0.0	45.0	-0.22	-0.15	4.76e-03	0.0	3.54e-03	0.22
199	303	0.26	3.32e-03	2.83e-06	-0.14	0.0	-0.19	-0.02	4.39e-03	0.0	1.35e-03	0.26
		0.22	1.35e-03	-1.87e-06	0.0	45.0	-0.19	-0.16	4.39e-03	0.0	3.32e-03	0.22
199	304	0.23	2.10e-03	2.35e-06	-0.14	0.0	-0.13	2.24e-04	2.68e-03	0.0	8.89e-04	0.23
		0.20	8.89e-04	-2.03e-06	0.0	45.0	-0.13	-0.14	2.68e-03	0.0	2.10e-03	0.20
199	306	0.25	1.34e-03	4.31e-06	-0.14	0.0	-0.20	-0.02	1.76e-03	0.0	5.53e-04	0.25
		0.21	5.53e-04	0.0	0.0	45.0	-0.20	-0.16	1.76e-03	0.0	1.34e-03	0.21
199	307	0.25	2.61e-03	2.06e-06	-0.14	0.0	-0.31	-0.02	3.64e-03	0.0	9.67e-04	0.25
		0.21	9.67e-04	-1.62e-06	0.0	45.0	-0.31	-0.16	3.64e-03	0.0	2.61e-03	0.21
199	308	0.25	2.43e-03	4.10e-06	-0.14	0.0	-0.05	-0.02	2.96e-03	0.0	1.10e-03	0.25
		0.21	1.10e-03	-1.68e-06	0.0	45.0	-0.05	-0.16	2.96e-03	0.0	2.43e-03	0.21
199	309	0.25	2.07e-03	4.17e-06	-0.14	0.0	-0.10	-0.02	2.56e-03	0.0	9.18e-04	0.25
		0.21	9.18e-04	-1.39e-06	0.0	45.0	-0.10	-0.16	2.56e-03	0.0	2.07e-03	0.21
199	310	0.25	3.33e-03	1.92e-06	-0.14	0.0	-0.21	-0.01	4.45e-03	0.0	1.33e-03	0.25
		0.22	1.33e-03	-2.19e-06	0.0	45.0	-0.21	-0.15	4.45e-03	0.0	3.33e-03	0.22
200	16	0.30	2.99e-03	2.18e-05	-0.18	0.0	-0.48	-0.57	-6.69e-03	0.0	2.99e-03	0.30
		0.0	-1.86e-05	0.0	0.0	45.0	-0.48	-0.76	-6.69e-03	0.0	-1.86e-05	0.0
200	18	0.31	5.20e-03	1.86e-05	-0.18	0.0	-0.70	-0.61	-0.01	0.0	5.20e-03	0.31
		0.0	1.22e-05	0.0	0.0	45.0	-0.70	-0.79	-0.01	0.0	1.22e-05	0.0
200	45	0.15	2.09e-03	-2.30e-06	-0.14	0.0	0.19	-0.26	-4.64e-03	0.0	2.09e-03	0.15
		0.0	2.37e-06	-5.83e-06	0.0	45.0	0.19	-0.40	-4.64e-03	0.0	2.37e-06	0.0
200	68	0.28	-1.66e-04	1.18e-05	-0.18	0.0	-1.23	-0.53	-0.04	0.0	-1.66e-04	0.28
		0.0	-0.02	1.01e-06	0.0	45.0	-1.23	-0.71	-0.04	0.0	-0.02	0.0
200	70	0.20	-3.33e-03	1.21e-05	-0.14	0.0	-0.91	-0.37	-0.03	0.0	-3.33e-03	0.20
		0.0	-0.02	2.64e-06	0.0	45.0	-0.91	-0.51	-0.03	0.0	-0.02	0.0
200	91	0.29	9.38e-03	1.18e-05	-0.18	0.0	-0.14	-0.55	3.51e-03	0.0	7.80e-03	0.29
		0.0	7.80e-03	-4.61e-06	0.0	45.0	-0.14	-0.73	3.51e-03	0.0	9.38e-03	0.0
200	113	1.37	9.44e-03	2.14e-04	-0.14	0.0	-14.83	-2.98	0.02	0.0	3.23e-03	1.37
		0.0	3.23e-03	-4.04e-05	0.0	45.0	-14.83	-3.12	0.02	0.0	9.44e-03	0.0
200	116	0.0	3.44e-03	-1.94e-04	-0.14	0.0	14.19	2.16	-0.03	0.0	3.44e-03	-0.94
		-0.94	-9.41e-03	3.68e-05	0.0	45.0	14.19	2.02	-0.03	0.0	-9.41e-03	0.0
200	129	0.88	0.02	1.32e-04	-0.14	0.0	-8.76	-1.88	0.04	0.0	2.91e-04	0.88
		0.0	2.91e-04	-7.47e-05	0.0	45.0	-8.76	-2.02	0.04	0.0	0.02	0.0
200	132	0.0	6.38e-03	-1.11e-04	-0.14	0.0	8.12	1.06	-0.06	0.0	6.38e-03	-0.45
		-0.45	-0.02	7.11e-05	0.0	45.0	8.12	0.92	-0.06	0.0	-0.02	0.0
200	145	1.52	0.01	2.39e-04	-0.14	0.0	-16.63	-3.30	0.02	0.0	3.21e-03	1.52
		0.0	3.21e-03	-4.56e-05	0.0	45.0	-16.63	-3.44	0.02	0.0	0.01	0.0
200	148	0.0	3.46e-03	-2.19e-04	-0.14	0.0	15.99	2.48	-0.04	0.0	3.46e-03	-1.09
		-1.09	-0.01	4.20e-05	0.0	45.0	15.99	2.34	-0.04	0.0	-0.01	0.0
200	161	0.96	0.02	1.47e-04	-0.14	0.0	-9.84	-2.07	0.05	0.0	-1.16e-04	0.96
		0.0	-1.16e-04	-8.44e-05	0.0	45.0	-9.84	-2.21	0.05	0.0	0.02	0.0
200	164	0.0	6.78e-03	-1.27e-04	-0.14	0.0	9.20	1.25	-0.06	0.0	6.78e-03	-0.53

		-0.53	-0.02	8.08e-05	0.0	45.0	9.20	1.11	-0.06	0.0	-0.02	0.0
200	177	1.50	0.01	2.37e-04	-0.14	0.0	-16.45	-3.27	0.02	0.0	3.15e-03	1.50
		0.0	3.15e-03	-4.75e-05	0.0	45.0	-16.45	-3.41	0.02	0.0	0.01	0.0
200	180	0.0	3.52e-03	-2.17e-04	-0.14	0.0	15.81	2.45	-0.04	0.0	3.52e-03	-1.07
		-1.07	-0.01	4.39e-05	0.0	45.0	15.81	2.31	-0.04	0.0	-0.01	0.0
200	193	0.97	0.02	1.49e-04	-0.14	0.0	-9.93	-2.08	0.05	0.0	-2.57e-04	0.97
		0.0	-2.57e-04	-8.77e-05	0.0	45.0	-9.93	-2.22	0.05	0.0	0.02	0.0
200	196	0.0	6.92e-03	-1.28e-04	-0.14	0.0	9.29	1.27	-0.06	0.0	6.92e-03	-0.54
		-0.54	-0.02	8.41e-05	0.0	45.0	9.29	1.13	-0.06	0.0	-0.02	0.0
200	209	1.72	0.01	2.76e-04	-0.14	0.0	-19.21	-3.76	0.03	0.0	3.09e-03	1.72
		0.0	3.09e-03	-5.71e-05	0.0	45.0	-19.21	-3.90	0.03	0.0	0.01	0.0
200	212	0.0	3.58e-03	-2.56e-04	-0.14	0.0	18.57	2.94	-0.04	0.0	3.58e-03	-1.29
		-1.29	-0.01	5.36e-05	0.0	45.0	18.57	2.80	-0.04	0.0	-0.01	0.0
200	225	1.11	0.03	1.75e-04	-0.14	0.0	-11.73	-2.40	0.06	0.0	-9.99e-04	1.11
		0.0	-9.99e-04	-1.05e-04	0.0	45.0	-11.73	-2.54	0.06	0.0	0.03	0.0
200	228	0.0	7.67e-03	-1.54e-04	-0.14	0.0	11.09	1.58	-0.08	0.0	7.67e-03	-0.68
		-0.68	-0.03	1.02e-04	0.0	45.0	11.09	1.44	-0.08	0.0	-0.03	0.0
200	249	0.23	2.16e-03	1.64e-05	-0.14	0.0	-0.33	-0.43	-4.83e-03	0.0	2.16e-03	0.23
		0.0	-1.37e-05	0.0	0.0	45.0	-0.33	-0.57	-4.83e-03	0.0	-1.37e-05	0.0
200	251	0.24	3.63e-03	1.42e-05	-0.14	0.0	-0.48	-0.46	-8.05e-03	0.0	3.63e-03	0.24
		0.0	6.89e-06	0.0	0.0	45.0	-0.48	-0.60	-8.05e-03	0.0	6.89e-06	0.0
200	261	0.17	2.19e-03	2.25e-06	-0.14	0.0	0.05	-0.30	-4.87e-03	0.0	2.19e-03	0.17
		0.0	2.17e-06	-4.32e-06	0.0	45.0	0.05	-0.44	-4.87e-03	0.0	2.17e-06	0.0
200	274	0.20	-1.42e-03	1.19e-05	-0.14	0.0	-0.68	-0.38	-0.02	0.0	-1.42e-03	0.20
		0.0	-0.01	1.33e-06	0.0	45.0	-0.68	-0.52	-0.02	0.0	-0.01	0.0
200	276	0.21	5.43e-05	9.70e-06	-0.14	0.0	-0.83	-0.40	-0.03	0.0	5.43e-05	0.21
		0.0	-0.01	0.0	0.0	45.0	-0.83	-0.54	-0.03	0.0	-0.01	0.0
200	287	0.22	6.25e-03	9.73e-06	-0.14	0.0	-0.11	-0.42	1.97e-03	0.0	5.36e-03	0.22
		0.0	5.36e-03	-3.17e-06	0.0	45.0	-0.11	-0.56	1.97e-03	0.0	6.25e-03	0.0
200	298	0.22	3.54e-03	9.92e-06	-0.14	0.0	-0.34	-0.41	-7.83e-03	0.0	3.54e-03	0.22
		0.0	1.91e-05	-1.89e-06	0.0	45.0	-0.34	-0.55	-7.83e-03	0.0	1.91e-05	0.0
200	302	0.21	2.06e-03	1.30e-05	-0.14	0.0	-0.21	-0.40	-4.58e-03	0.0	2.06e-03	0.21
		0.0	-1.78e-06	0.0	0.0	45.0	-0.21	-0.54	-4.58e-03	0.0	-1.78e-06	0.0
200	303	0.22	3.32e-03	1.12e-05	-0.14	0.0	-0.34	-0.42	-7.35e-03	0.0	3.32e-03	0.22
		0.0	1.58e-05	-1.47e-06	0.0	45.0	-0.34	-0.56	-7.35e-03	0.0	1.58e-05	0.0
200	304	0.20	2.10e-03	1.01e-05	-0.14	0.0	-0.14	-0.37	-4.66e-03	0.0	2.10e-03	0.20
		0.0	0.0	-1.77e-06	0.0	45.0	-0.14	-0.51	-4.66e-03	0.0	0.0	0.0
200	306	0.21	1.34e-03	1.21e-05	-0.14	0.0	-0.28	-0.39	-8.53e-03	0.0	1.34e-03	0.21
		0.0	-2.49e-03	0.0	0.0	45.0	-0.28	-0.53	-8.53e-03	0.0	-2.49e-03	0.0
200	307	0.21	2.61e-03	1.03e-05	-0.14	0.0	-0.41	-0.41	-0.01	0.0	2.61e-03	0.21
		0.0	-2.48e-03	-1.27e-06	0.0	45.0	-0.41	-0.55	-0.01	0.0	-2.48e-03	0.0
200	309	0.21	2.07e-03	1.21e-05	-0.14	0.0	-0.19	-0.39	-4.61e-03	0.0	2.07e-03	0.21
		0.0	-1.42e-06	-1.14e-06	0.0	45.0	-0.19	-0.53	-4.61e-03	0.0	-1.42e-06	0.0
200	310	0.22	3.33e-03	1.02e-05	-0.14	0.0	-0.32	-0.41	-7.37e-03	0.0	3.33e-03	0.22
		0.0	1.62e-05	-1.79e-06	0.0	45.0	-0.32	-0.55	-7.37e-03	0.0	1.62e-05	0.0
201	19	1.43	9.09e-03	-1.33e-04	-4.29	0.0	0.40	4.52	-0.01	0.0	9.09e-03	0.0
		0.0	8.30e-04	1.75e-06	0.0	60.0	0.40	0.23	-0.01	0.0	8.30e-04	1.43
201	28	4.83	-9.86e-04	-4.32e-04	-16.29	0.0	2.08	16.20	0.02	0.0	-0.01	0.0
		0.0	-0.01	-6.59e-06	0.0	60.0	2.08	-0.10	0.02	0.0	-9.86e-04	4.83
201	44	4.03	-1.56e-03	-3.63e-04	-13.38	0.0	1.87	13.41	0.03	0.0	-0.02	0.0
		0.0	-0.02	-8.37e-06	0.0	60.0	1.87	0.03	0.03	0.0	-1.56e-03	4.03
201	69	1.36	-2.49e-05	-1.09e-04	-4.29	0.0	0.25	4.41	-1.04e-03	0.0	-2.49e-05	0.0
		0.0	-6.49e-04	0.0	0.0	60.0	0.25	0.12	-1.04e-03	0.0	-6.49e-04	1.36
201	76	4.86	1.47e-04	-4.40e-04	-16.29	0.0	2.00	16.24	3.57e-04	0.0	-6.79e-05	0.0
		0.0	-6.79e-05	-3.40e-06	0.0	60.0	2.00	-0.05	3.57e-04	0.0	1.47e-04	4.86
201	81	2.27	2.50e-04	-2.28e-04	-6.57	0.0	0.98	7.07	4.96e-04	0.0	-4.77e-05	0.0
		0.0	-4.77e-05	-1.99e-06	0.0	60.0	0.98	0.49	4.96e-04	0.0	2.50e-04	2.27
201	113	1.85	-5.11e-03	-8.32e-05	-8.61	0.0	6.67	7.30	0.02	0.0	-0.02	0.0
		0.0	-0.02	-8.05e-05	0.0	60.0	6.67	-1.32	0.02	0.0	-5.11e-03	1.79
201	116	3.41	0.02	-3.83e-04	-8.61	0.0	-4.65	9.99	-0.02	0.0	0.02	0.0
		0.0	5.12e-03	7.71e-05	0.0	60.0	-4.65	1.38	-0.02	0.0	5.12e-03	3.41
201	132	4.17	8.64e-03	-5.23e-04	-8.61	0.0	-9.82	11.25	-1.91e-03	0.0	8.64e-03	0.0
		0.0	2.90e-03	9.52e-05	0.0	60.0	-9.82	2.64	-1.91e-03	0.0	2.90e-03	4.17
201	137	1.30	-2.16e-03	4.98e-05	-8.61	0.0	12.09	6.10	3.20e-03	0.0	-7.40e-03	0.0
		0.0	-7.40e-03	-4.97e-05	0.0	60.0	12.09	-2.51	3.20e-03	0.0	-2.16e-03	1.08
201	140	4.13	7.32e-03	-5.15e-04	-8.61	0.0	-10.08	11.19	-3.04e-03	0.0	7.32e-03	0.0
		0.0	2.18e-03	4.62e-05	0.0	60.0	-10.08	2.58	-3.04e-03	0.0	2.18e-03	4.13
201	145	1.76	-5.74e-03	-6.57e-05	-8.61	0.0	7.42	7.12	0.02	0.0	-0.02	0.0
		0.0	-0.02	-9.06e-05	0.0	60.0	7.42	-1.49	0.02	0.0	-5.74e-03	1.69
201	148	3.52	0.02	-4.02e-04	-8.61	0.0	-5.40	10.17	-0.02	0.0	0.02	0.0
		0.0	5.76e-03	8.71e-05	0.0	60.0	-5.40	1.56	-0.02	0.0	5.76e-03	3.52
201	164	4.38	9.73e-03	-5.61e-04	-8.61	0.0	-11.26	11.60	-2.14e-03	0.0	9.73e-03	0.0
		0.0	3.27e-03	1.08e-04	0.0	60.0	-11.26	2.99	-2.14e-03	0.0	3.27e-03	4.38
201	169	1.16	-2.43e-03	8.70e-05	-8.61	0.0	13.55	5.77	3.57e-03	0.0	-8.32e-03	0.0
		0.0	-8.32e-03	-5.59e-05	0.0	60.0	13.55	-2.84	3.57e-03	0.0	-2.43e-03	0.88

201	172	4.33	8.24e-03	-5.52e-04	-8.61	0.0	-11.53	11.52	-3.41e-03	0.0	8.24e-03	0.0
		0.0	2.45e-03	5.24e-05	0.0	60.0	-11.53	2.91	-3.41e-03	0.0	2.45e-03	4.33
201	177	1.74	-5.65e-03	-6.06e-05	-8.61	0.0	7.64	7.06	0.02	0.0	-0.02	0.0
		0.0	-0.02	-9.17e-05	0.0	60.0	7.64	-1.55	0.02	0.0	-5.65e-03	1.66
201	180	3.55	0.02	-4.09e-04	-8.61	0.0	-5.62	10.23	-0.02	0.0	0.02	0.0
		0.0	5.66e-03	8.82e-05	0.0	60.0	-5.62	1.61	-0.02	0.0	5.66e-03	3.55
201	196	4.44	9.68e-03	-5.74e-04	-8.61	0.0	-11.72	11.71	-2.00e-03	0.0	9.68e-03	0.0
		0.0	3.28e-03	1.12e-04	0.0	60.0	-11.72	3.10	-2.00e-03	0.0	3.28e-03	4.44
201	201	1.13	-2.40e-03	9.60e-05	-8.61	0.0	13.89	5.69	3.42e-03	0.0	-8.23e-03	0.0
		0.0	-8.23e-03	-5.68e-05	0.0	60.0	13.89	-2.92	3.42e-03	0.0	-2.40e-03	0.83
201	204	4.38	8.16e-03	-5.61e-04	-8.61	0.0	-11.87	11.60	-3.26e-03	0.0	8.16e-03	0.0
		0.0	2.42e-03	5.33e-05	0.0	60.0	-11.87	2.99	-3.26e-03	0.0	2.42e-03	4.38
201	209	1.58	-6.61e-03	-3.51e-05	-8.61	0.0	8.99	6.75	0.02	0.0	-0.02	0.0
		0.0	-0.02	-1.08e-04	0.0	60.0	8.99	-1.87	0.02	0.0	-6.61e-03	1.46
201	212	3.74	0.02	-4.44e-04	-8.61	0.0	-6.97	10.54	-0.02	0.0	0.02	0.0
		0.0	6.62e-03	1.05e-04	0.0	60.0	-6.97	1.93	-0.02	0.0	6.62e-03	3.74
201	225	0.85	-3.86e-03	1.79e-04	-8.61	0.0	16.35	4.95	2.42e-03	0.0	-0.01	0.0
		0.0	-0.01	-1.39e-04	0.0	60.0	16.35	-3.67	2.42e-03	0.0	-3.86e-03	0.38
201	228	4.82	0.01	-6.44e-04	-8.61	0.0	-14.33	12.34	-2.26e-03	0.0	0.01	0.0
		0.0	3.88e-03	1.35e-04	0.0	60.0	-14.33	3.73	-2.26e-03	0.0	3.88e-03	4.82
201	233	0.91	-2.82e-03	1.59e-04	-8.61	0.0	16.35	5.12	3.92e-03	0.0	-9.64e-03	0.0
		0.0	-9.64e-03	-6.72e-05	0.0	60.0	16.35	-3.49	3.92e-03	0.0	-2.82e-03	0.49
201	248	1.55	6.05e-03	-1.44e-04	-4.72	0.0	0.50	4.94	-9.13e-03	0.0	6.05e-03	0.0
		0.0	5.66e-04	0.0	0.0	60.0	0.50	0.22	-9.13e-03	0.0	5.66e-04	1.55
201	256	3.34	-6.44e-04	-2.99e-04	-11.20	0.0	1.43	11.17	0.01	0.0	-7.34e-03	0.0
		0.0	-7.34e-03	-4.50e-06	0.0	60.0	1.43	-0.03	0.01	0.0	-6.44e-04	3.34
201	264	2.81	-1.03e-03	-2.54e-04	-9.26	0.0	1.29	9.31	0.02	0.0	-0.01	0.0
		0.0	-0.01	-5.68e-06	0.0	60.0	1.29	0.05	0.02	0.0	-1.03e-03	2.81
201	273	1.50	-2.87e-05	-1.28e-04	-4.72	0.0	0.40	4.87	-6.52e-04	0.0	-2.87e-05	0.0
		0.0	-4.20e-04	0.0	0.0	60.0	0.40	0.14	-6.52e-04	0.0	-4.20e-04	1.50
201	280	3.36	1.11e-04	-3.05e-04	-11.20	0.0	1.38	11.20	2.64e-04	0.0	-4.73e-05	0.0
		0.0	-4.73e-05	-2.37e-06	0.0	60.0	1.38	-1.43e-03	2.64e-04	0.0	1.11e-04	3.36
201	281	1.63	1.80e-04	-1.64e-04	-4.72	0.0	0.70	5.09	3.56e-04	0.0	-3.38e-05	0.0
		0.0	-3.38e-05	-1.43e-06	0.0	60.0	0.70	0.36	3.56e-04	0.0	1.80e-04	1.63
201	298	2.78	1.10e-06	-2.48e-04	-9.26	0.0	1.08	9.26	6.97e-05	0.0	-4.07e-05	0.0
		0.0	-4.07e-05	-1.85e-06	0.0	60.0	1.08	3.02e-03	6.97e-05	0.0	1.10e-06	2.78
201	299	1.56	5.21e-05	-1.46e-04	-4.72	0.0	0.60	4.96	1.38e-04	0.0	-3.08e-05	0.0
		0.0	-3.08e-05	-1.16e-06	0.0	60.0	0.60	0.24	1.38e-04	0.0	5.21e-05	1.56
201	302	1.55	1.19e-03	-1.43e-04	-4.72	0.0	0.57	4.94	-1.71e-03	0.0	1.19e-03	0.0
		0.0	1.58e-04	0.0	0.0	60.0	0.57	0.21	-1.71e-03	0.0	1.58e-04	1.55
201	305	2.60	-1.95e-04	-2.32e-04	-8.61	0.0	1.05	8.64	3.79e-03	0.0	-2.47e-03	0.0
		0.0	-2.47e-03	-2.49e-06	0.0	60.0	1.05	0.03	3.79e-03	0.0	-1.95e-04	2.60
201	306	1.54	-2.99e-05	-1.40e-04	-4.72	0.0	0.55	4.92	-1.59e-05	0.0	-2.99e-05	0.0
		0.0	-3.94e-05	-1.05e-06	0.0	60.0	0.55	0.20	-1.59e-05	0.0	-3.94e-05	1.54
201	309	1.54	5.58e-05	-1.43e-04	-4.72	0.0	0.58	4.94	1.43e-04	0.0	-3.01e-05	0.0
		0.0	-3.01e-05	-1.13e-06	0.0	60.0	0.58	0.21	1.43e-04	0.0	5.58e-05	1.54
201	310	2.60	8.92e-06	-2.33e-04	-8.61	0.0	1.01	8.65	8.02e-05	0.0	-3.92e-05	0.0
		0.0	-3.92e-05	-1.75e-06	0.0	60.0	1.01	0.03	8.02e-05	0.0	8.92e-06	2.60
202	19	1.74	8.30e-04	-5.04e-05	-4.29	0.0	0.78	2.13	-3.93e-04	0.0	8.30e-04	1.43
		1.42	5.94e-04	1.92e-06	0.0	60.0	0.78	-2.17	-3.93e-04	0.0	5.94e-04	1.42
202	44	4.97	-1.38e-03	-1.29e-04	-13.38	0.0	2.79	6.47	3.12e-04	0.0	-1.56e-03	4.03
		3.90	-1.56e-03	-8.69e-06	0.0	60.0	2.79	-6.90	3.12e-04	0.0	-1.38e-03	3.90
202	69	1.62	-5.84e-04	-3.10e-05	-4.29	0.0	-0.15	1.93	1.08e-04	0.0	-6.49e-04	1.36
		1.23	-6.49e-04	0.0	0.0	60.0	-0.15	-2.36	1.08e-04	0.0	-5.84e-04	1.23
202	76	6.01	1.47e-04	-1.58e-04	-16.29	0.0	3.36	7.91	-3.14e-04	0.0	1.47e-04	4.86
		4.71	-4.16e-05	-3.37e-06	0.0	60.0	3.36	-8.39	-3.14e-04	0.0	-4.16e-05	4.71
202	113	2.00	-1.79e-03	3.37e-05	-8.61	0.0	4.13	2.42	5.73e-03	0.0	-5.11e-03	1.79
		0.66	-5.11e-03	-8.08e-05	0.0	60.0	4.13	-6.20	5.73e-03	0.0	-1.79e-03	0.66
202	116	4.61	5.12e-03	-1.89e-04	-8.61	0.0	-0.89	5.87	-6.05e-03	0.0	5.12e-03	3.41
		3.41	1.61e-03	7.73e-05	0.0	60.0	-0.89	-2.74	-6.05e-03	0.0	1.61e-03	4.35
202	129	1.06	-9.68e-04	1.71e-04	-8.61	0.0	6.39	0.83	3.44e-03	0.0	-2.89e-03	1.04
		-1.05	-2.89e-03	-9.74e-05	0.0	60.0	6.39	-7.78	3.44e-03	0.0	-9.68e-04	-1.05
202	132	6.11	2.90e-03	-3.27e-04	-8.61	0.0	-3.15	7.46	-3.76e-03	0.0	2.90e-03	4.17
		4.17	7.93e-04	9.39e-05	0.0	60.0	-3.15	-1.15	-3.76e-03	0.0	7.93e-04	6.06
202	137	1.11	-8.31e-04	1.64e-04	-8.61	0.0	6.97	0.90	2.55e-03	0.0	-2.16e-03	1.08
		-0.96	-2.16e-03	-4.90e-05	0.0	60.0	6.97	-7.71	2.55e-03	0.0	-8.31e-04	-0.96
202	140	6.03	2.18e-03	-3.20e-04	-8.61	0.0	-3.73	7.38	-2.87e-03	0.0	2.18e-03	4.13
		4.13	6.57e-04	4.55e-05	0.0	60.0	-3.73	-1.23	-2.87e-03	0.0	6.57e-04	5.97
202	145	1.85	-1.99e-03	4.87e-05	-8.61	0.0	4.46	2.19	6.46e-03	0.0	-5.74e-03	1.69
		0.42	-5.74e-03	-9.09e-05	0.0	60.0	4.46	-6.43	6.46e-03	0.0	-1.99e-03	0.42
202	148	4.81	5.76e-03	-2.04e-04	-8.61	0.0	-1.23	6.10	-6.79e-03	0.0	5.76e-03	3.52
		3.52	1.82e-03	8.74e-05	0.0	60.0	-1.23	-2.51	-6.79e-03	0.0	1.82e-03	4.60
202	161	0.83	-1.07e-03	2.04e-04	-8.61	0.0	7.03	0.39	3.91e-03	0.0	-3.25e-03	0.83
		-1.52	-3.25e-03	-1.10e-04	0.0	60.0	7.03	-8.23	3.91e-03	0.0	-1.07e-03	-1.52
202	164	6.55	3.27e-03	-3.60e-04	-8.61	0.0	-3.79	7.90	-4.23e-03	0.0	3.27e-03	4.38

		4.38	8.99e-04	1.07e-04	0.0	60.0	-3.79	-0.71	-4.23e-03	0.0	8.99e-04	6.53
202	169	0.88	-9.20e-04	1.96e-04	-8.61	0.0	7.67	0.48	2.89e-03	0.0	-2.43e-03	0.88
		-1.42	-2.43e-03	-5.52e-05	0.0	60.0	7.67	-8.13	2.89e-03	0.0	-9.20e-04	-1.42
202	172	6.45	2.45e-03	-3.51e-04	-8.61	0.0	-4.43	7.81	-3.21e-03	0.0	2.45e-03	4.33
		4.33	7.45e-04	5.17e-05	0.0	60.0	-4.43	-0.80	-3.21e-03	0.0	7.45e-04	6.43
202	177	1.81	-1.92e-03	5.38e-05	-8.61	0.0	4.55	2.12	6.40e-03	0.0	-5.65e-03	1.66
		0.34	-5.65e-03	-9.20e-05	0.0	60.0	4.55	-6.50	6.40e-03	0.0	-1.92e-03	0.34
202	180	4.88	5.66e-03	-2.10e-04	-8.61	0.0	-1.32	6.17	-6.72e-03	0.0	5.66e-03	3.55
		3.55	1.74e-03	8.85e-05	0.0	60.0	-1.32	-2.44	-6.72e-03	0.0	1.74e-03	4.67
202	193	0.76	-1.03e-03	2.15e-04	-8.61	0.0	7.22	0.24	3.95e-03	0.0	-3.26e-03	0.76
		-1.68	-3.26e-03	-1.14e-04	0.0	60.0	7.22	-8.37	3.95e-03	0.0	-1.03e-03	-1.68
202	196	6.70	3.28e-03	-3.71e-04	-8.61	0.0	-3.99	8.05	-4.28e-03	0.0	3.28e-03	4.44
		4.44	8.60e-04	1.11e-04	0.0	60.0	-3.99	-0.57	-4.28e-03	0.0	8.60e-04	6.69
202	201	0.83	-8.81e-04	2.03e-04	-8.61	0.0	7.82	0.37	2.89e-03	0.0	-2.40e-03	0.83
		-1.53	-2.40e-03	-5.62e-05	0.0	60.0	7.82	-8.24	2.89e-03	0.0	-8.81e-04	-1.53
202	204	6.56	2.42e-03	-3.59e-04	-8.61	0.0	-4.59	7.91	-3.21e-03	0.0	2.42e-03	4.38
		4.38	7.06e-04	5.28e-05	0.0	60.0	-4.59	-0.70	-3.21e-03	0.0	7.06e-04	6.54
202	209	1.56	-2.22e-03	8.09e-05	-8.61	0.0	5.14	1.71	7.53e-03	0.0	-6.61e-03	1.46
		-0.10	-6.61e-03	-1.09e-04	0.0	60.0	5.14	-6.91	7.53e-03	0.0	-2.22e-03	-0.10
202	212	5.25	6.62e-03	-2.37e-04	-8.61	0.0	-1.91	6.58	-7.85e-03	0.0	6.62e-03	3.74
		3.74	2.04e-03	1.05e-04	0.0	60.0	-1.91	-2.03	-7.85e-03	0.0	2.04e-03	5.11
202	225	0.38	-1.20e-03	2.75e-04	-8.61	0.0	8.37	-0.56	4.73e-03	0.0	-3.86e-03	0.38
		-2.53	-3.86e-03	-1.37e-04	0.0	60.0	8.37	-9.17	4.73e-03	0.0	-1.20e-03	-2.53
202	228	7.55	3.88e-03	-4.31e-04	-8.61	0.0	-5.13	8.85	-5.05e-03	0.0	3.88e-03	4.82
		4.82	1.02e-03	1.34e-04	0.0	60.0	-5.13	0.23	-5.05e-03	0.0	1.02e-03	7.55
202	233	0.49	-1.01e-03	2.57e-04	-8.61	0.0	9.00	-0.34	3.43e-03	0.0	-2.82e-03	0.49
		-2.30	-2.82e-03	-6.66e-05	0.0	60.0	9.00	-8.96	3.43e-03	0.0	-1.01e-03	-2.30
202	236	7.31	2.83e-03	-4.13e-04	-8.61	0.0	-5.77	8.63	-3.75e-03	0.0	2.83e-03	4.72
		4.72	8.36e-04	6.31e-05	0.0	60.0	-5.77	0.02	-3.75e-03	0.0	8.36e-04	7.31
202	248	1.89	5.66e-04	-5.41e-05	-4.72	0.0	0.90	2.33	-3.07e-04	0.0	5.66e-04	1.55
		1.53	3.81e-04	0.0	0.0	60.0	0.90	-2.39	-3.07e-04	0.0	3.81e-04	1.53
202	264	3.46	-9.13e-04	-9.06e-05	-9.26	0.0	1.94	4.49	1.93e-04	0.0	-1.03e-03	2.81
		2.72	-1.03e-03	-5.90e-06	0.0	60.0	1.94	-4.77	1.93e-04	0.0	-9.13e-04	2.72
202	273	1.81	-4.04e-04	-4.07e-05	-4.72	0.0	0.28	2.20	2.70e-05	0.0	-4.20e-04	1.50
		1.41	-4.20e-04	0.0	0.0	60.0	0.28	-2.52	2.70e-05	0.0	-4.04e-04	1.41
202	280	4.15	1.11e-04	-1.10e-04	-11.20	0.0	2.32	5.44	-2.24e-04	0.0	1.11e-04	3.36
		3.26	-2.36e-05	-2.35e-06	0.0	60.0	2.32	-5.76	-2.24e-04	0.0	-2.36e-05	3.26
202	298	3.42	1.10e-06	-8.62e-05	-9.26	0.0	1.73	4.45	-1.65e-04	0.0	1.10e-06	2.78
		2.67	-9.82e-05	-1.85e-06	0.0	60.0	1.73	-4.81	-1.65e-04	0.0	-9.82e-05	2.67
202	302	1.89	1.58e-04	-5.36e-05	-4.72	0.0	0.96	2.33	-1.66e-04	0.0	1.58e-04	1.55
		1.53	5.85e-05	0.0	0.0	60.0	0.96	-2.39	-1.66e-04	0.0	5.85e-05	1.53
202	305	3.20	-1.95e-04	-8.12e-05	-8.61	0.0	1.65	4.14	-8.95e-05	0.0	-1.95e-04	2.60
		2.50	-2.49e-04	-2.53e-06	0.0	60.0	1.65	-4.47	-8.95e-05	0.0	-2.49e-04	2.50
202	306	1.87	-3.94e-05	-5.08e-05	-4.72	0.0	0.84	2.30	-9.86e-05	0.0	-3.94e-05	1.54
		1.50	-9.86e-05	-1.06e-06	0.0	60.0	0.84	-2.42	-9.86e-05	0.0	-9.86e-05	1.50
202	309	1.89	5.58e-05	-5.34e-05	-4.72	0.0	0.98	2.33	-1.30e-04	0.0	5.58e-05	1.54
		1.52	-2.22e-05	-1.12e-06	0.0	60.0	0.98	-2.40	-1.30e-04	0.0	-2.22e-05	1.52
202	310	3.20	8.92e-06	-8.15e-05	-8.61	0.0	1.62	4.14	-1.60e-04	0.0	8.92e-06	2.60
		2.51	-8.73e-05	-1.75e-06	0.0	60.0	1.62	-4.47	-1.60e-04	0.0	-8.73e-05	2.51
203	51	4.45	-5.46e-04	1.73e-04	-16.29	0.0	1.56	-2.00	-9.71e-03	0.0	-5.46e-04	4.45
		-1.63	-6.37e-03	-2.95e-06	0.0	60.0	1.56	-18.29	-9.71e-03	0.0	-6.37e-03	-1.63
203	68	3.75	-7.37e-04	1.44e-04	-13.38	0.0	0.63	-1.90	-0.01	0.0	-7.37e-04	3.75
		-1.41	-7.67e-03	-2.49e-06	0.0	60.0	0.63	-15.28	-0.01	0.0	-7.67e-03	-1.41
203	69	1.23	-5.84e-04	6.10e-05	-4.29	0.0	-0.83	-1.17	-7.87e-03	0.0	-5.84e-04	1.23
		-0.76	-5.31e-03	0.0	0.0	60.0	-0.83	-5.46	-7.87e-03	0.0	-5.31e-03	-0.76
203	76	4.71	-4.16e-05	1.44e-04	-16.29	0.0	3.18	-1.30	-4.27e-03	0.0	-4.16e-05	4.71
		-0.95	-2.60e-03	-3.39e-06	0.0	60.0	3.18	-17.59	-4.27e-03	0.0	-2.60e-03	-0.95
203	93	1.49	1.31e-03	2.50e-05	-4.29	0.0	1.65	-0.17	1.73e-03	0.0	2.75e-04	1.49
		0.10	2.75e-04	-1.20e-06	0.0	60.0	1.65	-4.46	1.73e-03	0.0	1.31e-03	0.10
203	126	3.36	-1.56e-03	2.87e-05	-8.61	0.0	0.46	0.83	-0.03	0.0	-1.56e-03	3.35
		1.03	-0.02	2.86e-05	0.0	60.0	0.46	-7.78	-0.03	0.0	-0.02	1.03
203	127	1.66	0.02	1.34e-04	-8.61	0.0	2.38	-2.59	0.03	0.0	1.39e-03	1.66
		-2.24	1.39e-03	-3.22e-05	0.0	60.0	2.38	-11.20	0.03	0.0	0.02	-2.24
203	129	-1.05	-9.68e-04	2.69e-04	-8.61	0.0	1.99	-6.48	-2.38e-03	0.0	-9.68e-04	-1.05
		-7.52	-1.96e-03	-9.54e-05	0.0	60.0	1.99	-15.09	-2.38e-03	0.0	-1.96e-03	-7.52
203	132	6.83	7.93e-04	-1.13e-04	-8.61	0.0	0.85	4.72	-3.76e-03	0.0	7.93e-04	6.06
		6.06	-1.90e-03	9.19e-05	0.0	60.0	0.85	-3.90	-3.76e-03	0.0	-1.90e-03	6.30
203	142	6.27	-2.84e-04	-9.26e-05	-8.61	0.0	0.36	4.22	-0.02	0.0	-2.84e-04	5.68
		5.56	-0.01	3.43e-05	0.0	60.0	0.36	-4.39	-0.02	0.0	-0.01	5.56
203	143	-0.67	0.01	2.45e-04	-8.61	0.0	2.48	-5.98	0.02	0.0	1.09e-04	-0.67
		-6.77	1.09e-04	-3.78e-05	0.0	60.0	2.48	-14.59	0.02	0.0	0.01	-6.77
203	158	3.48	-1.74e-03	2.18e-05	-8.61	0.0	0.34	1.05	-0.04	0.0	-1.74e-03	3.46
		1.25	-0.02	3.25e-05	0.0	60.0	0.34	-7.56	-0.04	0.0	-0.02	1.25
203	159	1.55	0.02	1.41e-04	-8.61	0.0	2.50	-2.81	0.03	0.0	1.57e-03	1.55
		-2.46	1.57e-03	-3.60e-05	0.0	60.0	2.50	-11.43	0.03	0.0	0.02	-2.46

203	161	-1.52	-1.07e-03	2.94e-04	-8.61	0.0	2.06	-7.22	-2.22e-03	0.0	-1.07e-03	-1.52
		-8.44	-1.92e-03	-1.08e-04	0.0	60.0	2.06	-15.84	-2.22e-03	0.0	-1.92e-03	-8.44
203	164	7.57	8.99e-04	-1.35e-04	-8.61	0.0	0.79	5.46	-3.92e-03	0.0	8.99e-04	6.53
		6.53	-1.94e-03	1.04e-04	0.0	60.0	0.79	-3.15	-3.92e-03	0.0	-1.94e-03	7.22
203	174	6.89	-3.09e-04	-1.11e-04	-8.61	0.0	0.23	4.89	-0.03	0.0	-3.09e-04	6.10
		6.10	-0.02	3.91e-05	0.0	60.0	0.23	-3.72	-0.03	0.0	-0.02	6.37
203	175	-1.09	0.01	2.66e-04	-8.61	0.0	2.62	-6.65	0.02	0.0	1.34e-04	-1.09
		-7.58	1.34e-04	-4.26e-05	0.0	60.0	2.62	-15.27	0.02	0.0	0.01	-7.58
203	190	3.51	-1.68e-03	-2.04e-05	-8.61	0.0	0.36	1.10	-0.03	0.0	-1.68e-03	3.49
		1.30	-0.02	3.24e-05	0.0	60.0	0.36	-7.51	-0.03	0.0	-0.02	1.30
203	191	1.52	0.02	1.43e-04	-8.61	0.0	2.48	-2.86	0.03	0.0	1.50e-03	1.52
		-2.52	1.50e-03	-3.60e-05	0.0	60.0	2.48	-11.47	0.03	0.0	0.02	-2.52
203	193	-1.68	-1.03e-03	3.02e-04	-8.61	0.0	2.02	-7.47	-1.74e-03	0.0	-1.03e-03	-1.68
		-8.74	-1.64e-03	-1.12e-04	0.0	60.0	2.02	-16.08	-1.74e-03	0.0	-1.64e-03	-8.74
203	196	7.82	8.60e-04	-1.43e-04	-8.61	0.0	0.83	5.70	-4.40e-03	0.0	8.60e-04	6.69
		6.69	-2.22e-03	1.08e-04	0.0	60.0	0.83	-2.91	-4.40e-03	0.0	-2.22e-03	7.53
203	206	7.04	-3.06e-04	-1.15e-04	-8.61	0.0	0.25	5.05	-0.03	0.0	-3.06e-04	6.20
		6.20	-0.02	4.01e-05	0.0	60.0	0.25	-3.57	-0.03	0.0	-0.02	6.57
203	207	-1.19	0.01	2.72e-04	-8.61	0.0	2.60	-6.81	0.02	0.0	1.31e-04	-1.19
		-7.78	1.31e-04	-4.37e-05	0.0	60.0	2.60	-15.42	0.02	0.0	0.01	-7.78
203	222	3.71	-1.93e-03	-2.64e-05	-8.61	0.0	0.18	1.47	-0.04	0.0	-1.93e-03	3.68
		1.67	-0.03	3.84e-05	0.0	60.0	0.18	-7.14	-0.04	0.0	-0.03	1.67
203	223	1.33	0.02	1.54e-04	-8.61	0.0	2.66	-3.23	0.03	0.0	1.75e-03	1.33
		-2.89	1.75e-03	-4.19e-05	0.0	60.0	2.66	-11.84	0.03	0.0	0.02	-2.89
203	225	-2.53	-1.20e-03	3.47e-04	-8.61	0.0	2.12	-8.82	-1.26e-03	0.0	-1.20e-03	-2.53
		-10.41	-1.44e-03	-1.35e-04	0.0	60.0	2.12	-17.43	-1.26e-03	0.0	-1.44e-03	-10.41
203	228	9.28	1.02e-03	-1.85e-04	-8.61	0.0	0.73	7.05	-4.87e-03	0.0	1.02e-03	7.55
		7.55	-2.41e-03	1.32e-04	0.0	60.0	0.73	-1.56	-4.87e-03	0.0	-2.41e-03	9.19
203	238	8.16	-3.40e-04	-1.48e-04	-8.61	0.0	0.04	6.17	-0.03	0.0	-3.40e-04	6.90
		6.90	-0.02	4.82e-05	0.0	60.0	0.04	-2.44	-0.03	0.0	-0.02	7.93
203	239	-1.89	0.01	3.08e-04	-8.61	0.0	2.80	-7.94	0.02	0.0	1.65e-04	-1.89
		-9.14	1.65e-04	-5.17e-05	0.0	60.0	2.80	-16.55	0.02	0.0	0.01	-9.14
203	267	3.09	-3.60e-04	1.18e-04	-11.20	0.0	1.11	-1.38	-6.55e-03	0.0	-3.60e-04	3.09
		-1.10	-4.29e-03	-2.07e-06	0.0	60.0	1.11	-12.59	-6.55e-03	0.0	-4.29e-03	-1.10
203	273	1.41	-4.04e-04	5.66e-05	-4.72	0.0	-0.20	-0.97	-5.96e-03	0.0	-4.04e-04	1.41
		-0.59	-3.98e-03	0.0	0.0	60.0	-0.20	-5.70	-5.96e-03	0.0	-3.98e-03	-0.59
203	276	2.62	-4.87e-04	9.93e-05	-9.26	0.0	0.49	-1.32	-7.78e-03	0.0	-4.87e-04	2.62
		-0.95	-5.15e-03	-1.76e-06	0.0	60.0	0.49	-10.58	-7.78e-03	0.0	-5.15e-03	-0.95
203	280	3.26	-2.36e-05	9.89e-05	-11.20	0.0	2.19	-0.92	-2.92e-03	0.0	-2.36e-05	3.26
		-0.65	-1.78e-03	-2.36e-06	0.0	60.0	2.19	-12.12	-2.92e-03	0.0	-1.78e-03	-0.65
203	285	1.58	4.34e-04	3.27e-05	-4.72	0.0	1.45	-0.31	4.42e-04	0.0	1.69e-04	1.58
		-0.02	1.69e-04	-1.23e-06	0.0	60.0	1.45	-5.03	4.42e-04	0.0	4.34e-04	-0.02
203	298	2.67	-9.82e-05	8.82e-05	-9.26	0.0	1.51	-0.94	-3.30e-03	0.0	-9.82e-05	2.67
		-0.67	-2.08e-03	-1.87e-06	0.0	60.0	1.51	-10.20	-3.30e-03	0.0	-2.08e-03	-0.67
203	302	1.53	5.85e-05	4.05e-05	-4.72	0.0	0.89	-0.52	-1.47e-03	0.0	5.85e-05	1.53
		-0.21	-8.25e-04	0.0	0.0	60.0	0.89	-5.25	-1.47e-03	0.0	-8.25e-04	-0.21
203	306	1.50	-9.86e-05	4.39e-05	-4.72	0.0	0.68	-0.62	-2.55e-03	0.0	-9.86e-05	1.50
		-0.29	-1.63e-03	-1.08e-06	0.0	60.0	0.68	-5.34	-2.55e-03	0.0	-1.63e-03	-0.29
203	307	2.48	-1.64e-04	8.46e-05	-8.61	0.0	1.20	-0.97	-3.92e-03	0.0	-1.64e-04	2.48
		-0.68	-2.52e-03	-1.72e-06	0.0	60.0	1.20	-9.58	-3.92e-03	0.0	-2.52e-03	-0.68
203	309	1.52	-2.22e-05	4.07e-05	-4.72	0.0	0.90	-0.53	-1.69e-03	0.0	-2.22e-05	1.52
		-0.21	-1.04e-03	-1.12e-06	0.0	60.0	0.90	-5.25	-1.69e-03	0.0	-1.04e-03	-0.21
203	310	2.51	-8.73e-05	8.14e-05	-8.61	0.0	1.42	-0.88	-3.07e-03	0.0	-8.73e-05	2.51
		-0.61	-1.93e-03	-1.77e-06	0.0	60.0	1.42	-9.49	-3.07e-03	0.0	-1.93e-03	-0.61
204	19	1.46	3.15e-03	-3.06e-05	-4.29	0.0	0.33	4.49	6.22e-03	0.0	-5.84e-04	0.06
		0.06	-5.84e-04	2.31e-06	0.0	60.0	0.33	0.20	6.22e-03	0.0	3.15e-03	1.46
204	44	4.16	1.46e-03	-9.53e-05	-13.38	0.0	0.80	13.56	-0.02	0.0	1.46e-03	0.04
		0.04	-7.82e-03	-1.01e-05	0.0	60.0	0.80	0.18	-0.02	0.0	-7.82e-03	4.16
204	52	5.02	5.17e-04	-1.12e-04	-16.29	0.0	0.59	16.25	-5.53e-03	0.0	5.17e-04	0.16
		0.16	-2.80e-03	-3.78e-06	0.0	60.0	0.59	-0.04	-5.53e-03	0.0	-2.80e-03	5.02
204	69	1.69	5.84e-04	-1.55e-05	-4.29	0.0	-0.37	3.79	-6.27e-03	0.0	5.84e-04	0.68
		0.68	-3.18e-03	-1.23e-06	0.0	60.0	-0.37	-0.50	-6.27e-03	0.0	-3.18e-03	1.67
204	76	4.85	4.45e-05	-1.28e-04	-16.29	0.0	1.20	16.85	-4.34e-04	0.0	4.45e-05	-0.37
		-0.37	-2.16e-04	-3.70e-06	0.0	60.0	1.20	0.55	-4.34e-04	0.0	-2.16e-04	4.85
204	79	4.00	1.29e-05	-1.20e-04	-14.01	0.0	0.99	14.68	-2.36e-05	0.0	1.29e-05	-0.61
		-0.61	-1.28e-06	-2.97e-06	0.0	60.0	0.99	0.67	-2.36e-05	0.0	-1.28e-06	4.00
204	114	2.50	1.50e-03	-7.32e-05	-8.61	0.0	1.50	9.12	-0.02	0.0	1.50e-03	-0.38
		-0.38	-0.01	-3.75e-05	0.0	60.0	1.50	0.50	-0.02	0.0	-0.01	2.50
204	115	2.77	0.01	-5.99e-05	-8.61	0.0	-0.45	8.67	0.02	0.0	-1.28e-03	0.15
		0.15	-1.28e-03	3.36e-05	0.0	60.0	-0.45	0.06	0.02	0.0	0.01	2.77
204	129	7.13	7.05e-04	1.19e-04	-8.61	0.0	-0.55	3.20	9.85e-04	0.0	6.23e-05	6.77
		6.11	6.23e-05	-9.02e-05	0.0	60.0	-0.55	-5.41	9.85e-04	0.0	7.05e-04	6.11
204	130	-0.34	9.12e-04	-2.18e-04	-8.61	0.0	1.96	13.77	-0.02	0.0	9.12e-04	-6.01
		-6.01	-8.73e-03	5.21e-05	0.0	60.0	1.96	5.16	-0.02	0.0	-8.73e-03	-0.34
204	131	6.34	7.62e-03	9.39e-05	-8.61	0.0	-0.91	4.02	0.01	0.0	-6.93e-04	5.78

		5.61	-6.93e-04	-5.60e-05	0.0	60.0	-0.91	-4.59	0.01	0.0	7.62e-03	5.61
204	132	-0.84	1.57e-04	-2.43e-04	-8.61	0.0	1.60	14.58	-3.21e-03	0.0	1.57e-04	-7.01
		-7.01	-1.82e-03	8.62e-05	0.0	60.0	1.60	5.97	-3.21e-03	0.0	-1.82e-03	-0.84
204	146	2.49	1.66e-03	-7.42e-05	-8.61	0.0	1.63	9.15	-0.03	0.0	1.66e-03	-0.42
		-0.42	-0.02	-4.17e-05	0.0	60.0	1.63	0.53	-0.03	0.0	-0.02	2.49
204	147	2.79	0.01	-5.91e-05	-8.61	0.0	-0.57	8.64	0.03	0.0	-1.44e-03	0.19
		0.19	-1.44e-03	3.78e-05	0.0	60.0	-0.57	0.03	0.03	0.0	0.01	2.79
204	161	7.90	8.62e-04	1.43e-04	-8.61	0.0	-0.69	2.44	1.25e-03	0.0	5.73e-05	7.69
		6.57	5.73e-05	-1.02e-04	0.0	60.0	-0.69	-6.17	1.25e-03	0.0	8.62e-04	6.57
204	162	-0.73	1.01e-03	-2.39e-04	-8.61	0.0	2.15	14.42	-0.02	0.0	1.01e-03	-6.80
		-6.80	-9.73e-03	5.96e-05	0.0	60.0	2.15	5.80	-0.02	0.0	-9.73e-03	-0.73
204	163	6.96	8.62e-03	1.15e-04	-8.61	0.0	-1.09	3.37	0.02	0.0	-7.89e-04	6.57
		6.01	-7.89e-04	-6.36e-05	0.0	60.0	-1.09	-5.24	0.02	0.0	8.62e-03	6.01
204	164	-1.30	1.62e-04	-2.67e-04	-8.61	0.0	1.74	15.34	-3.47e-03	0.0	1.62e-04	-7.92
		-7.92	-1.98e-03	9.80e-05	0.0	60.0	1.74	6.73	-3.47e-03	0.0	-1.98e-03	-1.30
204	178	2.47	1.60e-03	-7.46e-05	-8.61	0.0	1.61	9.17	-0.03	0.0	1.60e-03	-0.44
		-0.44	-0.01	-4.03e-05	0.0	60.0	1.61	0.56	-0.03	0.0	-0.01	2.47
204	179	2.80	0.01	-5.88e-05	-8.61	0.0	-0.56	8.62	0.02	0.0	-1.38e-03	0.21
		0.21	-1.38e-03	3.64e-05	0.0	60.0	-0.56	5.48e-03	0.02	0.0	0.01	2.80
204	193	8.16	8.51e-04	1.51e-04	-8.61	0.0	-0.74	2.20	1.23e-03	0.0	6.11e-05	7.99
		6.72	6.11e-05	-1.06e-04	0.0	60.0	-0.74	-6.42	1.23e-03	0.0	8.51e-04	6.72
204	194	-0.87	9.73e-04	-2.46e-04	-8.61	0.0	2.19	14.64	-0.02	0.0	9.73e-04	-7.06
		-7.06	-9.55e-03	6.42e-05	0.0	60.0	2.19	6.02	-0.02	0.0	-9.55e-03	-0.87
204	195	7.18	8.44e-03	1.22e-04	-8.61	0.0	-1.13	3.15	0.02	0.0	-7.53e-04	6.83
		6.14	-7.53e-04	-6.81e-05	0.0	60.0	-1.13	-5.46	0.02	0.0	8.44e-03	6.14
204	196	-1.45	1.58e-04	-2.75e-04	-8.61	0.0	1.80	15.59	-3.45e-03	0.0	1.58e-04	-8.22
		-8.22	-1.96e-03	1.03e-04	0.0	60.0	1.80	6.98	-3.45e-03	0.0	-1.96e-03	-1.45
204	210	2.43	1.85e-03	-7.66e-05	-8.61	0.0	1.81	9.24	-0.03	0.0	1.85e-03	-0.53
		-0.53	-0.02	-4.58e-05	0.0	60.0	1.81	0.62	-0.03	0.0	-0.02	2.43
204	211	2.84	0.02	-5.71e-05	-8.61	0.0	-0.75	8.55	0.03	0.0	-1.63e-03	0.29
		0.29	-1.63e-03	4.18e-05	0.0	60.0	-0.75	-0.06	0.03	0.0	0.02	2.84
204	225	9.67	1.20e-03	1.95e-04	-8.61	0.0	-1.01	0.82	1.82e-03	0.0	4.79e-05	9.65
		7.56	4.79e-05	-1.29e-04	0.0	60.0	-1.01	-7.79	1.82e-03	0.0	1.20e-03	7.56
204	226	-1.59	1.12e-03	-2.84e-04	-8.61	0.0	2.52	15.82	-0.02	0.0	1.12e-03	-8.50
		-8.50	-0.01	7.97e-05	0.0	60.0	2.52	7.21	-0.02	0.0	-0.01	-1.59
204	227	8.40	0.01	1.60e-04	-8.61	0.0	-1.46	1.97	0.02	0.0	-9.00e-04	8.26
		6.86	-9.00e-04	-8.37e-05	0.0	60.0	-1.46	-6.65	0.02	0.0	0.01	6.86
204	228	-2.29	1.72e-04	-3.19e-04	-8.61	0.0	2.06	16.96	-4.04e-03	0.0	1.72e-04	-9.89
		-9.89	-2.31e-03	1.25e-04	0.0	60.0	2.06	8.35	-4.04e-03	0.0	-2.31e-03	-2.29
204	248	1.60	1.97e-03	-3.33e-05	-4.72	0.0	0.35	4.91	3.89e-03	0.0	-3.64e-04	0.07
		0.07	-3.64e-04	1.07e-06	0.0	60.0	0.35	0.18	3.89e-03	0.0	1.97e-03	1.60
204	264	2.90	9.76e-04	-6.59e-05	-9.26	0.0	0.56	9.40	-0.01	0.0	9.76e-04	0.04
		0.04	-5.24e-03	-6.81e-06	0.0	60.0	0.56	0.14	-0.01	0.0	-5.24e-03	2.90
204	268	3.48	3.49e-04	-7.71e-05	-11.20	0.0	0.42	11.20	-3.74e-03	0.0	3.49e-04	0.12
		0.12	-1.89e-03	-2.62e-06	0.0	60.0	0.42	-3.70e-03	-3.74e-03	0.0	-1.89e-03	3.48
204	273	1.74	4.15e-04	-2.25e-05	-4.72	0.0	-0.12	4.44	-4.44e-03	0.0	4.15e-04	0.49
		0.49	-2.25e-03	-1.29e-06	0.0	60.0	-0.12	-0.28	-4.44e-03	0.0	-2.25e-03	1.73
204	279	3.28	3.43e-05	-9.27e-05	-11.20	0.0	0.79	11.70	-2.74e-04	0.0	3.43e-05	-0.37
		-0.37	-1.30e-04	-2.45e-06	0.0	60.0	0.79	0.50	-2.74e-04	0.0	-1.30e-04	3.28
204	280	3.36	3.46e-05	-8.79e-05	-11.20	0.0	0.82	11.60	-3.42e-04	0.0	3.46e-05	-0.23
		-0.23	-1.70e-04	-2.56e-06	0.0	60.0	0.82	0.39	-3.42e-04	0.0	-1.70e-04	3.36
204	298	2.81	1.17e-04	-7.20e-05	-9.26	0.0	0.56	9.56	-1.18e-03	0.0	1.17e-04	-0.15
		-0.15	-5.94e-04	-2.10e-06	0.0	60.0	0.56	0.30	-1.18e-03	0.0	-5.94e-04	2.81
204	305	2.64	2.81e-04	-6.60e-05	-8.61	0.0	0.52	8.88	-2.93e-03	0.0	2.81e-04	-0.11
		-0.11	-1.48e-03	-2.89e-06	0.0	60.0	0.52	0.27	-2.93e-03	0.0	-1.48e-03	2.64
204	306	1.63	1.35e-04	-3.03e-05	-4.72	0.0	0.24	4.79	-1.42e-03	0.0	1.35e-04	0.17
		0.17	-7.17e-04	-1.24e-06	0.0	60.0	0.24	0.07	-1.42e-03	0.0	-7.17e-04	1.63
204	309	1.61	6.55e-05	-3.26e-05	-4.72	0.0	0.33	4.88	-6.67e-04	0.0	6.55e-05	0.09
		0.09	-3.35e-04	-1.23e-06	0.0	60.0	0.33	0.16	-6.67e-04	0.0	-3.35e-04	1.61
204	310	2.64	1.10e-04	-6.63e-05	-8.61	0.0	0.53	8.89	-1.11e-03	0.0	1.10e-04	-0.12
		-0.12	-5.57e-04	-1.97e-06	0.0	60.0	0.53	0.28	-1.11e-03	0.0	-5.57e-04	2.64
205	44	5.13	5.53e-03	1.57e-04	-13.38	0.0	5.29	6.58	0.02	0.0	-7.82e-03	4.16
		4.10	-7.82e-03	-1.15e-05	0.0	60.0	5.29	-6.79	0.02	0.0	5.53e-03	4.10
205	52	6.20	2.89e-03	1.92e-04	-16.29	0.0	4.06	7.99	9.48e-03	0.0	-2.80e-03	5.02
		4.93	-2.80e-03	-4.28e-06	0.0	60.0	4.06	-8.30	9.48e-03	0.0	2.89e-03	4.93
205	69	1.91	3.50e-03	8.19e-05	-4.29	0.0	-1.14	1.87	0.01	0.0	-3.18e-03	1.67
		1.50	-3.18e-03	-1.80e-06	0.0	60.0	-1.14	-2.43	0.01	0.0	3.50e-03	1.50
205	76	6.08	-2.71e-05	1.71e-04	-16.29	0.0	6.67	8.18	3.14e-04	0.0	-2.16e-04	4.85
		4.85	-2.16e-04	-3.73e-06	0.0	60.0	6.67	-8.11	3.14e-04	0.0	-2.71e-05	4.87
205	93	1.71	1.13e-03	4.68e-05	-4.29	0.0	3.20	2.18	-4.15e-03	0.0	1.13e-03	1.38
		1.38	-1.36e-03	0.0	0.0	60.0	3.20	-2.11	-4.15e-03	0.0	-1.36e-03	1.40
205	114	3.19	0.02	8.87e-05	-8.61	0.0	3.47	4.42	0.06	0.0	-0.01	2.50
		2.50	-0.01	-4.03e-05	0.0	60.0	3.47	-4.19	0.06	0.0	0.02	2.57
205	115	3.37	0.01	1.01e-04	-8.61	0.0	2.71	4.17	-0.05	0.0	0.01	2.77
		2.69	-0.02	3.62e-05	0.0	60.0	2.71	-4.44	-0.05	0.0	-0.02	2.69

205	129	6.14	8.71e-04	3.48e-04	-8.61	0.0	-9.88	0.97	3.99e-04	0.0	7.05e-04	6.11
		4.11	7.05e-04	-8.77e-05	0.0	60.0	-9.88	-7.64	3.99e-04	0.0	8.71e-04	4.11
205	132	1.18	1.04e-04	-1.58e-04	-8.61	0.0	16.06	7.62	3.08e-03	0.0	-1.82e-03	-0.84
		-0.84	-1.82e-03	8.35e-05	0.0	60.0	16.06	-0.99	3.08e-03	0.0	1.04e-04	1.15
205	146	3.17	0.02	8.77e-05	-8.61	0.0	3.52	4.44	0.06	0.0	-0.02	2.49
		2.49	-0.02	-4.49e-05	0.0	60.0	3.52	-4.17	0.06	0.0	0.02	2.57
205	147	3.39	0.01	1.02e-04	-8.61	0.0	2.66	4.16	-0.06	0.0	0.01	2.79
		2.70	-0.02	4.07e-05	0.0	60.0	2.66	-4.46	-0.06	0.0	-0.02	2.70
205	161	6.58	9.21e-04	3.82e-04	-8.61	0.0	-11.60	0.53	2.34e-04	0.0	8.62e-04	6.57
		4.31	8.62e-04	-9.92e-05	0.0	60.0	-11.60	-8.08	2.34e-04	0.0	9.21e-04	4.31
205	164	0.96	5.44e-05	-1.92e-04	-8.61	0.0	17.78	8.07	3.25e-03	0.0	-1.98e-03	-1.30
		-1.30	-1.98e-03	9.50e-05	0.0	60.0	17.78	-0.55	3.25e-03	0.0	5.44e-05	0.95
205	178	3.16	0.02	8.66e-05	-8.61	0.0	3.55	4.45	0.06	0.0	-0.01	2.47
		2.47	-0.01	-4.34e-05	0.0	60.0	3.55	-4.16	0.06	0.0	0.02	2.56
205	179	3.40	0.01	1.03e-04	-8.61	0.0	2.63	4.14	-0.06	0.0	0.01	2.80
		2.70	-0.02	3.92e-05	0.0	60.0	2.63	-4.47	-0.06	0.0	-0.02	2.70
205	193	6.73	9.32e-04	3.93e-04	-8.61	0.0	-12.12	0.39	2.72e-04	0.0	8.51e-04	6.72
		4.37	8.51e-04	-1.04e-04	0.0	60.0	-12.12	-8.23	2.72e-04	0.0	9.32e-04	4.37
205	196	0.89	4.29e-05	-2.03e-04	-8.61	0.0	18.31	8.21	3.21e-03	0.0	-1.96e-03	-1.45
		-1.45	-1.96e-03	9.98e-05	0.0	60.0	18.31	-0.40	3.21e-03	0.0	4.29e-05	0.89
205	210	3.13	0.03	8.41e-05	-8.61	0.0	3.66	4.49	0.07	0.0	-0.02	2.43
		2.43	-0.02	-4.93e-05	0.0	60.0	3.66	-4.12	0.07	0.0	0.03	2.54
205	211	3.42	0.02	1.06e-04	-8.61	0.0	2.52	4.11	-0.07	0.0	0.02	2.84
		2.72	-0.03	4.52e-05	0.0	60.0	2.52	-4.51	-0.07	0.0	-0.03	2.72
205	225	7.56	1.20e-03	4.54e-04	-8.61	0.0	-15.24	-0.42	-3.29e-04	0.0	1.20e-03	7.56
		4.73	9.07e-04	-1.26e-04	0.0	60.0	-15.24	-9.03	-3.29e-04	0.0	9.07e-04	4.73
205	228	0.53	6.83e-05	-2.64e-04	-8.61	0.0	21.42	9.01	3.81e-03	0.0	-2.31e-03	-2.29
		-2.29	-2.31e-03	1.22e-04	0.0	60.0	21.42	0.40	3.81e-03	0.0	6.83e-05	0.53
205	264	3.57	3.71e-03	1.10e-04	-9.26	0.0	3.68	4.55	0.01	0.0	-5.24e-03	2.90
		2.86	-5.24e-03	-7.75e-06	0.0	60.0	3.68	-4.71	0.01	0.0	3.71e-03	2.86
205	268	4.28	1.95e-03	1.33e-04	-11.20	0.0	2.86	5.49	6.40e-03	0.0	-1.89e-03	3.48
		3.41	-1.89e-03	-2.96e-06	0.0	60.0	2.86	-5.71	6.40e-03	0.0	1.95e-03	3.41
205	273	2.03	2.44e-03	7.89e-05	-4.72	0.0	-0.02	2.15	7.82e-03	0.0	-2.25e-03	1.73
		1.61	-2.25e-03	-1.69e-06	0.0	60.0	-0.02	-2.58	7.82e-03	0.0	2.44e-03	1.61
205	280	4.21	3.63e-06	1.19e-04	-11.20	0.0	4.59	5.62	2.90e-04	0.0	-1.70e-04	3.36
		3.36	-1.70e-04	-2.60e-06	0.0	60.0	4.59	-5.59	2.90e-04	0.0	3.63e-06	3.37
205	285	1.89	6.22e-04	5.55e-05	-4.72	0.0	2.87	2.36	-2.37e-03	0.0	6.22e-04	1.54
		1.54	-7.97e-04	-1.08e-06	0.0	60.0	2.87	-2.37	-2.37e-03	0.0	-7.97e-04	1.54
205	298	3.50	5.22e-04	1.00e-04	-9.26	0.0	3.29	4.63	1.86e-03	0.0	-5.94e-04	2.81
		2.81	-5.94e-04	-2.20e-06	0.0	60.0	3.29	-4.63	1.86e-03	0.0	5.22e-04	2.81
205	305	3.28	1.12e-03	9.54e-05	-8.61	0.0	3.14	4.29	4.33e-03	0.0	-1.48e-03	2.64
		2.63	-1.48e-03	-3.16e-06	0.0	60.0	3.14	-4.32	4.33e-03	0.0	1.12e-03	2.63
205	306	1.96	7.15e-04	6.64e-05	-4.72	0.0	1.52	2.26	2.39e-03	0.0	-7.17e-04	1.63
		1.57	-7.17e-04	-1.37e-06	0.0	60.0	1.52	-2.46	2.39e-03	0.0	7.15e-04	1.57
205	308	1.93	6.70e-05	6.18e-05	-4.72	0.0	2.10	2.30	3.50e-04	0.0	-1.43e-04	1.59
		1.56	-1.43e-04	-1.25e-06	0.0	60.0	2.10	-2.42	3.50e-04	0.0	6.70e-05	1.56
205	309	1.94	2.83e-04	6.33e-05	-4.72	0.0	1.91	2.29	1.03e-03	0.0	-3.35e-04	1.61
		1.56	-3.35e-04	-1.29e-06	0.0	60.0	1.91	-2.44	1.03e-03	0.0	2.83e-04	1.56
205	310	3.28	4.87e-04	9.50e-05	-8.61	0.0	3.09	4.30	1.74e-03	0.0	-5.57e-04	2.64
		2.63	-5.57e-04	-2.07e-06	0.0	60.0	3.09	-4.31	1.74e-03	0.0	4.87e-04	2.63
206	19	1.43	8.82e-03	1.39e-04	-4.29	0.0	0.20	-0.24	0.02	0.0	-2.11e-03	1.43
		0.0	-2.11e-03	2.52e-06	0.0	60.0	0.20	-4.53	0.02	0.0	8.82e-03	0.0
206	44	4.10	5.53e-03	3.95e-04	-13.38	0.0	0.50	-0.14	-0.04	0.0	5.53e-03	4.10
		0.0	-0.02	-1.05e-05	0.0	60.0	0.50	-13.52	-0.04	0.0	-0.02	0.0
206	52	4.93	2.89e-03	4.79e-04	-16.29	0.0	-0.39	-0.07	-4.99e-03	0.0	2.89e-03	4.93
		0.0	-1.08e-04	-3.76e-06	0.0	60.0	-0.39	-16.36	-4.99e-03	0.0	-1.08e-04	0.0
206	70	1.56	3.54e-03	1.79e-04	-4.29	0.0	-1.58	-0.46	-5.98e-03	0.0	3.54e-03	1.56
		0.0	-4.67e-05	-1.35e-06	0.0	60.0	-1.58	-4.75	-5.98e-03	0.0	-4.67e-05	0.0
206	91	3.99	-7.02e-05	3.67e-04	-13.38	0.0	1.42	0.03	1.33e-03	0.0	-8.70e-04	3.99
		0.0	-8.70e-04	-3.00e-06	0.0	60.0	1.42	-13.34	1.33e-03	0.0	-7.02e-05	0.0
206	114	2.57	0.02	2.38e-04	-8.61	0.0	0.84	0.02	-0.06	0.0	0.02	2.57
		0.0	-0.01	-3.82e-05	0.0	60.0	0.84	-8.60	-0.06	0.0	-0.01	0.0
206	115	2.69	0.01	2.59e-04	-8.61	0.0	-0.14	-0.17	0.05	0.0	-0.02	2.69
		0.0	-0.02	3.43e-05	0.0	60.0	-0.14	-8.79	0.05	0.0	0.01	0.0
206	129	4.11	8.71e-04	5.32e-04	-8.61	0.0	-10.22	-2.55	-3.34e-03	0.0	8.71e-04	4.11
		0.0	-6.03e-03	-8.11e-05	0.0	60.0	-10.22	-11.16	-3.34e-03	0.0	-6.03e-03	0.0
206	132	1.35	5.93e-03	-4.30e-05	-8.61	0.0	10.92	2.39	1.55e-03	0.0	1.04e-04	1.15
		0.0	1.04e-04	7.72e-05	0.0	60.0	10.92	-6.22	1.55e-03	0.0	5.93e-03	0.0
206	135	4.02	3.43e-04	5.14e-04	-8.61	0.0	-9.64	-2.40	0.02	0.0	-9.39e-03	4.02
		0.0	-9.39e-03	-7.08e-05	0.0	60.0	-9.64	-11.01	0.02	0.0	3.43e-04	0.0
206	146	2.57	0.02	2.36e-04	-8.61	0.0	0.91	0.03	-0.06	0.0	0.02	2.57
		0.0	-0.01	-4.26e-05	0.0	60.0	0.91	-8.58	-0.06	0.0	-0.01	0.0
206	147	2.70	0.01	2.61e-04	-8.61	0.0	-0.21	-0.19	0.06	0.0	-0.02	2.70
		0.0	-0.02	3.86e-05	0.0	60.0	-0.21	-8.80	0.06	0.0	0.01	0.0
206	161	4.31	9.21e-04	5.70e-04	-8.61	0.0	-11.62	-2.88	-3.61e-03	0.0	9.21e-04	4.31

		0.0	-6.78e-03	-9.19e-05	0.0	60.0	-11.62	-11.49	-3.61e-03	0.0	-6.78e-03	0.0
206	164	1.21	6.68e-03	-7.27e-05	-8.61	0.0	12.32	2.72	1.81e-03	0.0	5.44e-05	0.95
		0.0	5.44e-05	8.79e-05	0.0	60.0	12.32	-5.89	1.81e-03	0.0	6.68e-03	0.0
206	167	4.21	3.76e-04	5.50e-04	-8.61	0.0	-10.96	-2.71	0.03	0.0	-0.01	4.21
		0.0	-0.01	-8.03e-05	0.0	60.0	-10.96	-11.32	0.03	0.0	3.76e-04	0.0
206	178	2.56	0.02	2.35e-04	-8.61	0.0	0.97	0.04	-0.06	0.0	0.02	2.56
		0.0	-0.01	-4.11e-05	0.0	60.0	0.97	-8.57	-0.06	0.0	-0.01	0.0
206	179	2.70	0.01	2.62e-04	-8.61	0.0	-0.27	-0.20	0.06	0.0	-0.02	2.70
		0.0	-0.02	3.71e-05	0.0	60.0	-0.27	-8.81	0.06	0.0	0.01	0.0
206	193	4.37	9.32e-04	5.82e-04	-8.61	0.0	-12.05	-2.98	-3.32e-03	0.0	9.32e-04	4.37
		0.0	-6.74e-03	-9.69e-05	0.0	60.0	-12.05	-11.59	-3.32e-03	0.0	-6.74e-03	0.0
206	196	1.17	6.63e-03	-8.45e-05	-8.61	0.0	12.75	2.83	1.52e-03	0.0	4.29e-05	0.89
		0.0	4.29e-05	9.29e-05	0.0	60.0	12.75	-5.79	1.52e-03	0.0	6.63e-03	0.0
206	199	4.27	2.32e-04	5.61e-04	-8.61	0.0	-11.37	-2.81	0.03	0.0	-0.01	4.27
		0.0	-0.01	-8.52e-05	0.0	60.0	-11.37	-11.42	0.03	0.0	2.32e-04	0.0
206	210	2.54	0.03	2.32e-04	-8.61	0.0	1.13	0.07	-0.07	0.0	0.03	2.54
		0.0	-0.01	-4.66e-05	0.0	60.0	1.13	-8.54	-0.07	0.0	-0.01	0.0
206	211	2.72	0.01	2.65e-04	-8.61	0.0	-0.43	-0.22	0.07	0.0	-0.03	2.72
		0.0	-0.03	4.27e-05	0.0	60.0	-0.43	-8.84	0.07	0.0	0.01	0.0
206	225	4.73	9.07e-04	6.50e-04	-8.61	0.0	-14.59	-3.58	-3.42e-03	0.0	9.07e-04	4.73
		0.0	-7.93e-03	-1.18e-04	0.0	60.0	-14.59	-12.19	-3.42e-03	0.0	-7.93e-03	0.0
206	228	0.94	7.83e-03	-1.53e-04	-8.61	0.0	15.28	3.42	1.62e-03	0.0	6.83e-05	0.53
		0.0	6.83e-05	1.14e-04	0.0	60.0	15.28	-5.19	1.62e-03	0.0	7.83e-03	0.0
206	231	4.60	1.77e-04	6.25e-04	-8.61	0.0	-13.76	-3.37	0.03	0.0	-0.01	4.60
		0.0	-0.01	-1.04e-04	0.0	60.0	-13.76	-11.98	0.03	0.0	1.77e-04	0.0
206	248	1.56	5.87e-03	1.52e-04	-4.72	0.0	0.21	-0.23	0.01	0.0	-1.30e-03	1.56
		0.0	-1.30e-03	1.21e-06	0.0	60.0	0.21	-4.96	0.01	0.0	5.87e-03	0.0
206	264	2.86	3.71e-03	2.76e-04	-9.26	0.0	0.34	-0.13	-0.03	0.0	3.71e-03	2.86
		0.0	-0.01	-7.11e-06	0.0	60.0	0.34	-9.39	-0.03	0.0	-0.01	0.0
206	268	3.41	1.95e-03	3.31e-04	-11.20	0.0	-0.25	-0.08	-3.37e-03	0.0	1.95e-03	3.41
		0.0	-7.45e-05	-2.61e-06	0.0	60.0	-0.25	-11.29	-3.37e-03	0.0	-7.45e-05	0.0
206	274	1.65	2.47e-03	1.78e-04	-4.72	0.0	-0.98	-0.38	-4.19e-03	0.0	2.47e-03	1.65
		0.0	-4.20e-05	-1.37e-06	0.0	60.0	-0.98	-5.11	-4.19e-03	0.0	-4.20e-05	0.0
206	287	2.79	-4.95e-05	2.57e-04	-9.26	0.0	0.96	-0.01	8.48e-04	0.0	-5.58e-04	2.79
		0.0	-5.58e-04	-2.10e-06	0.0	60.0	0.96	-9.27	8.48e-04	0.0	-4.95e-05	0.0
206	298	2.81	5.22e-04	2.65e-04	-9.26	0.0	0.38	-0.05	-9.61e-04	0.0	5.22e-04	2.81
		0.0	-5.49e-05	-2.11e-06	0.0	60.0	0.38	-9.31	-9.61e-04	0.0	-5.49e-05	0.0
206	302	1.56	1.15e-03	1.53e-04	-4.72	0.0	0.19	-0.24	1.97e-03	0.0	-3.31e-05	1.56
		0.0	-3.31e-05	0.0	0.0	60.0	0.19	-4.96	1.97e-03	0.0	1.15e-03	0.0
206	305	2.63	1.12e-03	2.49e-04	-8.61	0.0	0.34	-0.08	-5.88e-03	0.0	1.12e-03	2.63
		0.0	-2.41e-03	-2.96e-06	0.0	60.0	0.34	-8.69	-5.88e-03	0.0	-2.41e-03	0.0
206	306	1.57	7.15e-04	1.56e-04	-4.72	0.0	-0.04	-0.25	-1.24e-03	0.0	7.15e-04	1.57
		0.0	-3.13e-05	-1.24e-06	0.0	60.0	-0.04	-4.98	-1.24e-03	0.0	-3.13e-05	0.0
206	309	1.56	2.83e-04	1.53e-04	-4.72	0.0	0.19	-0.24	-5.20e-04	0.0	2.83e-04	1.56
		0.0	-2.91e-05	-1.24e-06	0.0	60.0	0.19	-4.96	-5.20e-04	0.0	-2.91e-05	0.0
206	310	2.63	4.87e-04	2.49e-04	-8.61	0.0	0.35	-0.08	-8.98e-04	0.0	4.87e-04	2.63
		0.0	-5.12e-05	-1.98e-06	0.0	60.0	0.35	-8.69	-8.98e-04	0.0	-5.12e-05	0.0
207	4	0.34	9.02e-04	1.47e-05	-0.25	0.0	-1.31	0.68	8.66e-03	0.0	-4.36e-03	0.0
		0.0	-4.36e-03	4.97e-06	0.0	60.8	-1.31	0.43	8.66e-03	0.0	9.02e-04	0.34
207	19	0.23	6.20e-04	-4.50e-06	-0.19	0.0	-0.48	0.48	0.01	0.0	-7.73e-03	0.0
		0.0	-7.73e-03	3.84e-06	0.0	60.8	-0.48	0.29	0.01	0.0	6.20e-04	0.23
207	44	0.32	0.02	1.54e-05	-0.25	0.0	-0.93	0.64	-0.03	0.0	0.02	0.0
		0.0	-1.63e-04	-2.31e-06	0.0	60.8	-0.93	0.40	-0.03	0.0	-1.63e-04	0.32
207	69	0.22	3.43e-04	3.22e-05	-0.19	0.0	0.08	0.46	4.05e-04	0.0	9.71e-05	0.0
		0.0	9.71e-05	2.17e-06	0.0	60.8	0.08	0.27	4.05e-04	0.0	3.43e-04	0.22
207	76	0.34	6.44e-04	5.51e-06	-0.25	0.0	-1.40	0.68	4.92e-04	0.0	3.46e-04	0.0
		0.0	3.46e-04	3.08e-06	0.0	60.8	-1.40	0.43	4.92e-04	0.0	6.44e-04	0.34
207	80	0.26	5.40e-04	4.32e-06	-0.19	0.0	-1.20	0.53	4.03e-04	0.0	2.96e-04	0.0
		0.0	2.96e-04	2.49e-06	0.0	60.8	-1.20	0.34	4.03e-04	0.0	5.40e-04	0.26
207	122	0.33	-8.79e-03	-8.67e-05	-0.19	0.0	-1.88	0.64	0.01	0.0	-0.02	0.0
		0.0	-0.02	7.13e-06	0.0	60.8	-1.88	0.45	0.01	0.0	-8.79e-03	0.33
207	123	0.15	0.02	9.58e-05	-0.19	0.0	0.55	0.35	-0.01	0.0	0.02	0.0
		0.0	9.52e-03	-3.52e-06	0.0	60.8	0.55	0.16	-0.01	0.0	9.52e-03	0.15
207	129	0.01	1.04e-03	3.34e-04	-0.19	0.0	5.03	0.10	6.08e-03	0.0	1.04e-03	0.0
		0.0	3.15e-04	-3.87e-05	0.0	60.8	5.03	-0.09	6.08e-03	0.0	3.15e-04	4.90e-04
207	132	0.48	4.10e-04	-3.25e-04	-0.19	0.0	-6.36	0.89	-5.50e-03	0.0	-6.71e-04	0.0
		0.0	-6.71e-04	4.23e-05	0.0	60.8	-6.36	0.70	-5.50e-03	0.0	4.10e-04	0.48
207	154	0.34	-9.90e-03	-9.88e-05	-0.19	0.0	-2.05	0.66	0.01	0.0	-0.02	0.0
		0.0	-0.02	7.73e-06	0.0	60.8	-2.05	0.47	0.01	0.0	-9.90e-03	0.34
207	155	0.14	0.02	1.08e-04	-0.19	0.0	0.72	0.33	-0.01	0.0	0.02	0.0
		0.0	0.01	-4.12e-06	0.0	60.8	0.72	0.14	-0.01	0.0	0.01	0.14
207	161	2.99e-03	1.15e-03	3.78e-04	-0.19	0.0	5.79	0.04	6.73e-03	0.0	1.15e-03	0.0
		-0.03	3.18e-04	-4.35e-05	0.0	60.8	5.79	-0.15	6.73e-03	0.0	3.18e-04	-0.03
207	164	0.51	4.07e-04	-3.68e-04	-0.19	0.0	-7.12	0.94	-6.14e-03	0.0	-7.79e-04	0.0
		0.0	-7.79e-04	4.71e-05	0.0	60.8	-7.12	0.75	-6.14e-03	0.0	4.07e-04	0.51

207	186	0.34	-9.50e-03	-1.02e-04	-0.19	0.0	-2.16	0.66	0.01	0.0	-0.02	0.0
		0.0	-0.02	7.32e-06	0.0	60.8	-2.16	0.47	0.01	0.0	-9.50e-03	0.34
207	187	0.14	0.02	1.12e-04	-0.19	0.0	0.83	0.32	-0.01	0.0	0.02	0.0
		0.0	0.01	-3.70e-06	0.0	60.8	0.83	0.13	-0.01	0.0	0.01	0.14
207	193	1.15e-03	1.15e-03	3.92e-04	-0.19	0.0	6.03	0.03	6.17e-03	0.0	1.15e-03	0.0
		-0.04	3.74e-04	-4.17e-05	0.0	60.8	6.03	-0.16	6.17e-03	0.0	3.74e-04	-0.04
207	196	0.52	3.51e-04	-3.83e-04	-0.19	0.0	-7.36	0.96	-5.58e-03	0.0	-7.85e-04	0.0
		0.0	-7.85e-04	4.53e-05	0.0	60.8	-7.36	0.77	-5.58e-03	0.0	3.51e-04	0.52
207	218	0.36	-0.01	-1.24e-04	-0.19	0.0	-2.49	0.69	0.02	0.0	-0.02	0.0
		0.0	-0.02	8.15e-06	0.0	60.8	-2.49	0.50	0.02	0.0	-0.01	0.36
207	219	0.12	0.02	1.33e-04	-0.19	0.0	1.16	0.29	-0.02	0.0	0.02	0.0
		0.0	0.01	-4.54e-06	0.0	60.8	1.16	0.10	-0.02	0.0	0.01	0.12
207	225	0.0	1.36e-03	4.72e-04	-0.19	0.0	7.40	-0.07	7.09e-03	0.0	1.36e-03	0.0
		-0.10	4.33e-04	-4.88e-05	0.0	60.8	7.40	-0.26	7.09e-03	0.0	4.33e-04	-0.10
207	228	0.58	2.92e-04	-4.62e-04	-0.19	0.0	-8.74	1.05	-6.50e-03	0.0	-9.96e-04	0.0
		0.0	-9.96e-04	5.24e-05	0.0	60.8	-8.74	0.86	-6.50e-03	0.0	2.92e-04	0.58
207	244	0.25	6.26e-04	9.00e-06	-0.19	0.0	-0.91	0.51	5.80e-03	0.0	-2.90e-03	0.0
		0.0	-2.90e-03	3.42e-06	0.0	60.8	-0.91	0.32	5.80e-03	0.0	6.26e-04	0.25
207	248	0.23	5.08e-04	-3.05e-06	-0.19	0.0	-0.49	0.48	9.24e-03	0.0	-5.11e-03	0.0
		0.0	-5.11e-03	3.06e-06	0.0	60.8	-0.49	0.29	9.24e-03	0.0	5.08e-04	0.23
207	264	0.24	0.01	9.49e-06	-0.19	0.0	-0.65	0.49	-0.02	0.0	0.01	0.0
		0.0	-8.39e-05	-1.44e-06	0.0	60.8	-0.65	0.30	-0.02	0.0	-8.39e-05	0.24
207	273	0.23	3.23e-04	2.15e-05	-0.19	0.0	-0.12	0.47	3.54e-04	0.0	1.08e-04	0.0
		0.0	1.08e-04	1.95e-06	0.0	60.8	-0.12	0.28	3.54e-04	0.0	3.23e-04	0.23
207	280	0.25	4.54e-04	2.91e-06	-0.19	0.0	-0.97	0.51	3.52e-04	0.0	2.40e-04	0.0
		0.0	2.40e-04	2.16e-06	0.0	60.8	-0.97	0.32	3.52e-04	0.0	4.54e-04	0.25
207	298	0.24	3.80e-04	5.63e-06	-0.19	0.0	-0.70	0.50	3.05e-04	0.0	1.95e-04	0.0
		0.0	1.95e-04	1.89e-06	0.0	60.8	-0.70	0.30	3.05e-04	0.0	3.80e-04	0.24
207	302	0.23	3.06e-04	-2.13e-06	-0.19	0.0	-0.45	0.48	2.03e-03	0.0	-9.31e-04	0.0
		0.0	-9.31e-04	1.64e-06	0.0	60.8	-0.45	0.28	2.03e-03	0.0	3.06e-04	0.23
207	305	0.24	2.27e-03	5.15e-06	-0.19	0.0	-0.64	0.49	-3.31e-03	0.0	2.27e-03	0.0
		0.0	2.61e-04	1.10e-06	0.0	60.8	-0.64	0.30	-3.31e-03	0.0	2.61e-04	0.24
207	306	0.23	2.69e-04	3.02e-06	-0.19	0.0	-0.37	0.47	2.57e-04	0.0	1.13e-04	0.0
		0.0	1.13e-04	1.42e-06	0.0	60.8	-0.37	0.28	2.57e-04	0.0	2.69e-04	0.23
207	309	0.23	2.55e-04	-1.93e-06	-0.19	0.0	-0.44	0.47	2.32e-04	0.0	1.14e-04	0.0
		0.0	1.14e-04	1.29e-06	0.0	60.8	-0.44	0.28	2.32e-04	0.0	2.55e-04	0.23
207	310	0.24	3.62e-04	4.60e-06	-0.19	0.0	-0.67	0.49	2.94e-04	0.0	1.84e-04	0.0
		0.0	1.84e-04	1.81e-06	0.0	60.8	-0.67	0.30	2.94e-04	0.0	3.62e-04	0.24
208	4	0.34	1.01e-03	3.41e-05	-0.25	0.0	-1.19	0.07	1.81e-04	0.0	9.02e-04	0.34
		0.30	9.02e-04	5.13e-06	0.0	60.8	-1.19	-0.18	1.81e-04	0.0	1.01e-03	0.30
208	17	0.33	1.32e-03	2.62e-05	-0.25	0.0	-0.95	0.08	6.76e-04	0.0	9.12e-04	0.33
		0.30	9.12e-04	5.48e-06	0.0	60.8	-0.95	-0.17	6.76e-04	0.0	1.32e-03	0.30
208	45	0.23	-5.16e-04	1.40e-05	-0.19	0.0	-0.31	0.09	-2.19e-03	0.0	-5.16e-04	0.22
		0.21	-1.85e-03	-4.17e-06	0.0	60.8	-0.31	-0.11	-2.19e-03	0.0	-1.85e-03	0.21
208	46	0.24	-4.55e-04	1.60e-05	-0.19	0.0	-0.38	0.08	-2.30e-03	0.0	-4.55e-04	0.22
		0.22	-1.85e-03	-3.85e-06	0.0	60.8	-0.38	-0.11	-2.30e-03	0.0	-1.85e-03	0.22
208	52	0.34	7.36e-04	5.55e-05	-0.25	0.0	-1.27	0.09	-3.18e-04	0.0	7.36e-04	0.33
		0.31	5.43e-04	4.11e-06	0.0	60.8	-1.27	-0.16	-3.18e-04	0.0	5.43e-04	0.31
208	93	0.24	1.90e-04	-6.47e-06	-0.19	0.0	-0.27	0.07	-3.10e-04	0.0	1.90e-04	0.23
		0.21	1.88e-06	0.0	0.0	60.8	-0.27	-0.13	-3.10e-04	0.0	1.88e-06	0.21
208	114	0.25	9.45e-03	1.68e-05	-0.19	0.0	0.26	0.04	0.03	0.0	-0.01	0.25
		0.22	-0.01	-7.10e-05	0.0	60.8	0.26	-0.16	0.03	0.0	9.45e-03	0.22
208	115	0.25	0.01	1.99e-05	-0.19	0.0	-1.48	0.10	-0.03	0.0	0.01	0.23
		0.23	-9.01e-03	7.47e-05	0.0	60.8	-1.48	-0.09	-0.03	0.0	-9.01e-03	0.23
208	130	0.45	4.39e-03	-2.40e-04	-0.19	0.0	0.57	-0.61	0.02	0.0	-5.46e-03	0.45
		0.02	-5.46e-03	3.19e-06	0.0	60.8	0.57	-0.80	0.02	0.0	4.39e-03	0.02
208	131	0.43	6.18e-03	2.76e-04	-0.19	0.0	-1.79	0.74	-0.02	0.0	6.18e-03	0.03
		0.03	-3.95e-03	0.0	0.0	60.8	-1.79	0.55	-0.02	0.0	-3.95e-03	0.43
208	132	0.48	4.10e-04	-2.90e-04	-0.19	0.0	0.22	-0.72	-3.12e-03	0.0	4.10e-04	0.48
		-0.02	-8.64e-04	5.15e-05	0.0	60.8	0.22	-0.91	-3.12e-03	0.0	-8.64e-04	-0.02
208	146	0.25	0.01	1.64e-05	-0.19	0.0	0.37	0.03	0.04	0.0	-0.01	0.25
		0.21	-0.01	-8.01e-05	0.0	60.8	0.37	-0.16	0.04	0.0	0.01	0.21
208	147	0.25	0.01	2.04e-05	-0.19	0.0	-1.59	0.10	-0.04	0.0	0.01	0.23
		0.23	-0.01	8.39e-05	0.0	60.8	-1.59	-0.09	-0.04	0.0	-0.01	0.23
208	162	0.48	4.91e-03	-2.74e-04	-0.19	0.0	0.72	-0.70	0.02	0.0	-6.17e-03	0.48
		-7.28e-03	-6.17e-03	3.25e-06	0.0	60.8	0.72	-0.89	0.02	0.0	4.91e-03	-7.28e-03
208	163	0.46	6.89e-03	3.11e-04	-0.19	0.0	-1.94	0.83	-0.02	0.0	6.89e-03	6.89e-03
		6.89e-03	-4.46e-03	0.0	0.0	60.8	-1.94	0.64	-0.02	0.0	-4.46e-03	0.46
208	164	0.51	4.07e-04	-3.31e-04	-0.19	0.0	0.34	-0.83	-3.46e-03	0.0	4.07e-04	0.51
		-0.05	-9.95e-04	5.76e-05	0.0	60.8	0.34	-1.02	-3.46e-03	0.0	-9.95e-04	-0.05
208	178	0.26	0.01	1.47e-05	-0.19	0.0	0.35	0.03	0.03	0.0	-0.01	0.25
		0.21	-0.01	-8.00e-05	0.0	60.8	0.35	-0.16	0.03	0.0	0.01	0.21
208	179	0.25	0.01	2.20e-05	-0.19	0.0	-1.57	0.11	-0.04	0.0	0.01	0.23
		0.23	-9.91e-03	8.37e-05	0.0	60.8	-1.57	-0.08	-0.04	0.0	-9.91e-03	0.23
208	194	0.48	4.81e-03	-2.86e-04	-0.19	0.0	0.75	-0.73	0.02	0.0	-5.99e-03	0.48

		-0.02	-5.99e-03	2.55e-06	0.0	60.8	0.75	-0.92	0.02	0.0	4.81e-03	-0.02
208	195	0.47	6.72e-03	3.23e-04	-0.19	0.0	-1.97	0.86	-0.02	0.0	6.72e-03	-2.12e-03
		-2.12e-03	-4.37e-03	1.20e-06	0.0	60.8	-1.97	0.67	-0.02	0.0	-4.37e-03	0.47
208	196	0.52	3.51e-04	-3.44e-04	-0.19	0.0	0.38	-0.86	-3.38e-03	0.0	3.51e-04	0.52
		-0.06	-9.66e-04	5.67e-05	0.0	60.8	0.38	-1.05	-3.38e-03	0.0	-9.66e-04	-0.06
208	210	0.26	0.01	1.27e-05	-0.19	0.0	0.52	0.02	0.04	0.0	-0.01	0.26
		0.21	-0.01	-9.39e-05	0.0	60.8	0.52	-0.17	0.04	0.0	0.01	0.21
208	211	0.25	0.01	2.41e-05	-0.19	0.0	-1.74	0.12	-0.04	0.0	0.01	0.22
		0.22	-0.01	9.76e-05	0.0	60.8	-1.74	-0.07	-0.04	0.0	-0.01	0.24
208	226	0.53	5.57e-03	-3.49e-04	-0.19	0.0	1.02	-0.89	0.02	0.0	-7.09e-03	0.53
		-0.07	-7.09e-03	3.12e-06	0.0	60.8	1.02	-1.08	0.02	0.0	5.57e-03	-0.07
208	227	0.51	7.81e-03	3.86e-04	-0.19	0.0	-2.24	1.03	-0.02	0.0	7.81e-03	-0.05
		-0.05	-5.13e-03	0.0	0.0	60.8	-2.24	0.84	-0.02	0.0	-5.13e-03	0.51
208	228	0.58	2.92e-04	-4.18e-04	-0.19	0.0	0.59	-1.05	-3.86e-03	0.0	2.92e-04	0.58
		-0.11	-1.16e-03	6.65e-05	0.0	60.8	0.59	-1.24	-3.86e-03	0.0	-1.16e-03	-0.11
208	244	0.26	6.81e-04	2.36e-05	-0.19	0.0	-0.82	0.06	8.95e-05	0.0	6.26e-04	0.25
		0.23	6.26e-04	3.52e-06	0.0	60.8	-0.82	-0.13	8.95e-05	0.0	6.81e-04	0.23
208	250	0.25	8.88e-04	1.84e-05	-0.19	0.0	-0.66	0.06	4.20e-04	0.0	6.33e-04	0.25
		0.23	6.33e-04	3.76e-06	0.0	60.8	-0.66	-0.13	4.20e-04	0.0	8.88e-04	0.23
208	261	0.23	-2.50e-04	1.38e-05	-0.19	0.0	-0.35	0.08	-1.54e-03	0.0	-2.50e-04	0.22
		0.22	-1.19e-03	-2.26e-06	0.0	60.8	-0.35	-0.11	-1.54e-03	0.0	-1.19e-03	0.22
208	262	0.24	-2.09e-04	1.51e-05	-0.19	0.0	-0.41	0.08	-1.61e-03	0.0	-2.09e-04	0.23
		0.22	-1.19e-03	-2.05e-06	0.0	60.8	-0.41	-0.11	-1.61e-03	0.0	-1.19e-03	0.22
208	268	0.26	5.16e-04	3.79e-05	-0.19	0.0	-0.87	0.07	-2.43e-04	0.0	5.16e-04	0.25
		0.23	3.68e-04	2.84e-06	0.0	60.8	-0.87	-0.12	-2.43e-04	0.0	3.68e-04	0.23
208	285	0.24	2.21e-04	-1.25e-06	-0.19	0.0	-0.33	0.07	-2.87e-04	0.0	2.21e-04	0.23
		0.22	4.67e-05	1.00e-06	0.0	60.8	-0.33	-0.12	-2.87e-04	0.0	4.67e-05	0.22
208	298	0.25	3.80e-04	1.95e-05	-0.19	0.0	-0.65	0.07	-2.32e-04	0.0	3.80e-04	0.24
		0.23	2.40e-04	1.96e-06	0.0	60.8	-0.65	-0.12	-2.32e-04	0.0	2.40e-04	0.23
208	303	0.25	4.13e-04	1.81e-05	-0.19	0.0	-0.61	0.07	-1.02e-04	0.0	4.13e-04	0.24
		0.22	3.51e-04	2.23e-06	0.0	60.8	-0.61	-0.12	-1.02e-04	0.0	3.51e-04	0.22
208	304	0.24	1.54e-04	1.19e-05	-0.19	0.0	-0.37	0.08	-5.00e-04	0.0	1.54e-04	0.23
		0.22	-1.49e-04	0.0	0.0	60.8	-0.37	-0.11	-5.00e-04	0.0	-1.49e-04	0.22
208	308	0.24	2.48e-04	9.19e-06	-0.19	0.0	-0.37	0.08	-2.49e-04	0.0	2.48e-04	0.23
		0.22	9.73e-05	1.27e-06	0.0	60.8	-0.37	-0.11	-2.49e-04	0.0	9.73e-05	0.22
208	309	0.24	2.55e-04	1.15e-05	-0.19	0.0	-0.38	0.08	-2.39e-04	0.0	2.55e-04	0.23
		0.22	1.10e-04	1.34e-06	0.0	60.8	-0.38	-0.11	-2.39e-04	0.0	1.10e-04	0.22
208	310	0.25	3.62e-04	1.84e-05	-0.19	0.0	-0.61	0.07	-2.33e-04	0.0	3.62e-04	0.24
		0.22	2.21e-04	1.87e-06	0.0	60.8	-0.61	-0.12	-2.33e-04	0.0	2.21e-04	0.22
209	20	0.22	9.87e-03	2.29e-05	-0.19	0.0	-0.52	-0.27	0.01	0.0	1.06e-03	0.22
		0.0	1.06e-03	4.48e-06	0.0	60.8	-0.52	-0.47	0.01	0.0	9.87e-03	0.0
209	43	0.29	-1.59e-03	4.70e-05	-0.25	0.0	-1.48	-0.35	-0.03	0.0	-1.59e-03	0.29
		0.0	-0.02	-2.97e-06	0.0	60.8	-1.48	-0.60	-0.03	0.0	-0.02	0.0
209	68	0.31	5.35e-04	8.08e-05	-0.25	0.0	-2.61	-0.39	-8.61e-04	0.0	5.35e-04	0.31
		0.0	1.18e-05	4.21e-06	0.0	60.8	-2.61	-0.63	-8.61e-04	0.0	1.18e-05	0.0
209	93	0.21	1.88e-06	4.95e-06	-0.19	0.0	0.10	-0.26	-8.04e-05	0.0	1.88e-06	0.21
		0.0	-4.70e-05	0.0	0.0	60.8	0.10	-0.45	-8.04e-05	0.0	-4.70e-05	0.0
209	94	0.22	-3.13e-06	7.09e-06	-0.19	0.0	-3.77e-03	-0.26	-7.18e-05	0.0	-3.13e-06	0.22
		0.0	-4.68e-05	1.05e-06	0.0	60.8	-3.77e-03	-0.45	-7.18e-05	0.0	-4.68e-05	0.0
209	122	0.17	0.01	-6.63e-05	-0.19	0.0	2.80	-0.18	-0.04	0.0	0.01	0.17
		0.0	-0.01	1.26e-05	0.0	60.8	2.80	-0.37	-0.04	0.0	-0.01	0.0
209	123	0.28	0.01	1.27e-04	-0.19	0.0	-4.52	-0.37	0.04	0.0	-9.66e-03	0.28
		0.0	-9.66e-03	-8.81e-06	0.0	60.8	-4.52	-0.56	0.04	0.0	0.01	0.0
209	129	0.46	1.31e-03	3.59e-04	-0.19	0.0	-9.58	-0.67	-2.95e-03	0.0	1.31e-03	0.46
		0.0	-1.76e-04	-5.55e-05	0.0	60.8	-9.58	-0.86	-2.95e-03	0.0	-1.76e-04	0.0
209	130	0.03	4.39e-03	-2.52e-04	-0.19	0.0	9.33	0.06	-0.01	0.0	4.39e-03	0.02
		0.0	-4.78e-03	1.22e-05	0.0	60.8	9.33	-0.13	-0.01	0.0	-4.78e-03	0.0
209	131	0.43	4.72e-03	3.13e-04	-0.19	0.0	-11.06	-0.61	0.01	0.0	-3.95e-03	0.43
		0.0	-3.95e-03	-8.32e-06	0.0	60.8	-11.06	-0.80	0.01	0.0	4.72e-03	0.0
209	132	7.93e-03	1.11e-04	-2.98e-04	-0.19	0.0	7.86	0.12	2.11e-03	0.0	-8.64e-04	-0.02
		-0.02	-8.64e-04	5.93e-05	0.0	60.8	7.86	-0.07	2.11e-03	0.0	1.11e-04	0.0
209	154	0.16	0.01	-7.91e-05	-0.19	0.0	3.27	-0.16	-0.04	0.0	0.01	0.16
		0.0	-0.01	1.40e-05	0.0	60.8	3.27	-0.35	-0.04	0.0	-0.01	0.0
209	155	0.29	0.01	1.40e-04	-0.19	0.0	-5.00	-0.38	0.04	0.0	-0.01	0.29
		0.0	-0.01	-1.02e-05	0.0	60.8	-5.00	-0.57	0.04	0.0	0.01	0.0
209	161	0.50	1.44e-03	4.03e-04	-0.19	0.0	-10.74	-0.72	-3.27e-03	0.0	1.44e-03	0.50
		0.0	-2.05e-04	-6.27e-05	0.0	60.8	-10.74	-0.91	-3.27e-03	0.0	-2.05e-04	0.0
209	162	0.01	4.91e-03	-2.90e-04	-0.19	0.0	10.69	0.11	-0.02	0.0	4.91e-03	-7.28e-03
		-7.28e-03	-5.35e-03	1.34e-05	0.0	60.8	10.69	-0.08	-0.02	0.0	-5.35e-03	0.0
209	163	0.46	5.28e-03	3.50e-04	-0.19	0.0	-12.41	-0.66	0.02	0.0	-4.46e-03	0.46
		0.0	-4.46e-03	-9.61e-06	0.0	60.8	-12.41	-0.85	0.02	0.0	5.28e-03	0.0
209	164	4.72e-04	1.41e-04	-3.42e-04	-0.19	0.0	9.02	0.17	2.44e-03	0.0	-9.95e-04	-0.05
		-0.05	-9.95e-04	6.65e-05	0.0	60.8	9.02	-0.02	2.44e-03	0.0	1.41e-04	0.0
209	186	0.15	0.01	-8.31e-05	-0.19	0.0	3.33	-0.16	-0.04	0.0	0.01	0.15
		0.0	-0.01	1.41e-05	0.0	60.8	3.33	-0.35	-0.04	0.0	-0.01	0.0

209	187	0.29	0.01	1.44e-04	-0.19	0.0	-5.06	-0.39	0.04	0.0	-0.01	0.29
		0.0	-0.01	-1.02e-05	0.0	60.8	-5.06	-0.58	0.04	0.0	0.01	0.0
209	193	0.51	1.41e-03	4.18e-04	-0.19	0.0	-11.13	-0.74	-3.32e-03	0.0	1.41e-03	0.51
		0.0	-2.68e-04	-6.25e-05	0.0	60.8	-11.13	-0.93	-3.32e-03	0.0	-2.68e-04	0.0
209	194	7.49e-03	4.81e-03	-3.02e-04	-0.19	0.0	11.09	0.12	-0.02	0.0	4.81e-03	-0.02
		-0.02	-5.11e-03	1.35e-05	0.0	60.8	11.09	-0.07	-0.02	0.0	-5.11e-03	0.0
209	195	0.47	5.05e-03	3.63e-04	-0.19	0.0	-12.81	-0.67	0.01	0.0	-4.37e-03	0.47
		0.0	-4.37e-03	-9.63e-06	0.0	60.8	-12.81	-0.86	0.01	0.0	5.05e-03	0.0
209	196	0.0	2.04e-04	-3.57e-04	-0.19	0.0	9.40	0.19	2.48e-03	0.0	-9.66e-04	-0.06
		-0.06	-9.66e-04	6.63e-05	0.0	60.8	9.40	-1.32e-03	2.48e-03	0.0	2.04e-04	0.0
209	218	0.14	0.01	-1.06e-04	-0.19	0.0	4.15	-0.13	-0.05	0.0	0.01	0.14
		0.0	-0.02	1.65e-05	0.0	60.8	4.15	-0.33	-0.05	0.0	-0.02	0.0
209	219	0.31	0.02	1.67e-04	-0.19	0.0	-5.87	-0.41	0.05	0.0	-0.01	0.31
		0.0	-0.01	-1.26e-05	0.0	60.8	-5.87	-0.60	0.05	0.0	0.02	0.0
209	225	0.56	1.60e-03	4.97e-04	-0.19	0.0	-13.24	-0.83	-3.82e-03	0.0	1.60e-03	0.56
		0.0	-3.07e-04	-7.47e-05	0.0	60.8	-13.24	-1.02	-3.82e-03	0.0	-3.07e-04	0.0
209	226	0.0	5.57e-03	-3.71e-04	-0.19	0.0	13.52	0.20	-0.02	0.0	5.57e-03	-0.07
		-0.07	-5.95e-03	1.66e-05	0.0	60.8	13.52	0.01	-0.02	0.0	-5.95e-03	0.0
209	227	0.51	5.88e-03	4.31e-04	-0.19	0.0	-15.25	-0.75	0.02	0.0	-5.13e-03	0.51
		0.0	-5.13e-03	-1.28e-05	0.0	60.8	-15.25	-0.94	0.02	0.0	5.88e-03	0.0
209	228	0.0	2.42e-04	-4.36e-04	-0.19	0.0	11.52	0.28	2.98e-03	0.0	-1.16e-03	-0.11
		-0.11	-1.16e-03	7.85e-05	0.0	60.8	11.52	0.09	2.98e-03	0.0	2.42e-04	0.0
209	249	0.22	6.57e-03	2.37e-05	-0.19	0.0	-0.55	-0.27	9.57e-03	0.0	7.55e-04	0.22
		0.0	7.55e-04	3.51e-06	0.0	60.8	-0.55	-0.46	9.57e-03	0.0	6.57e-03	0.0
209	263	0.22	-1.06e-03	3.38e-05	-0.19	0.0	-1.03	-0.27	-0.02	0.0	-1.06e-03	0.22
		0.0	-0.01	-1.87e-06	0.0	60.8	-1.03	-0.46	-0.02	0.0	-0.01	0.0
209	276	0.24	3.63e-04	5.64e-05	-0.19	0.0	-1.78	-0.29	-5.87e-04	0.0	3.63e-04	0.24
		0.0	6.16e-06	2.91e-06	0.0	60.8	-1.78	-0.48	-5.87e-04	0.0	6.16e-06	0.0
209	285	0.22	4.67e-05	1.18e-05	-0.19	0.0	-0.14	-0.26	-1.39e-04	0.0	4.67e-05	0.22
		0.0	-3.76e-05	1.01e-06	0.0	60.8	-0.14	-0.45	-1.39e-04	0.0	-3.76e-05	0.0
209	286	0.22	4.34e-05	1.32e-05	-0.19	0.0	-0.21	-0.26	-1.33e-04	0.0	4.34e-05	0.22
		0.0	-3.75e-05	1.23e-06	0.0	60.8	-0.21	-0.45	-1.33e-04	0.0	-3.75e-05	0.0
209	302	0.22	1.30e-03	2.32e-05	-0.19	0.0	-0.53	-0.27	1.75e-03	0.0	2.40e-04	0.22
		0.0	2.40e-04	1.75e-06	0.0	60.8	-0.53	-0.46	1.75e-03	0.0	1.30e-03	0.0
209	305	0.22	-3.83e-05	3.09e-05	-0.19	0.0	-0.88	-0.27	-4.33e-03	0.0	-3.83e-05	0.22
		0.0	-2.67e-03	1.14e-06	0.0	60.8	-0.88	-0.46	-4.33e-03	0.0	-2.67e-03	0.0
209	307	0.23	2.46e-04	3.51e-05	-0.19	0.0	-1.02	-0.28	-4.45e-04	0.0	2.46e-04	0.23
		0.0	-2.42e-05	2.05e-06	0.0	60.8	-1.02	-0.47	-4.45e-04	0.0	-2.42e-05	0.0
209	308	0.22	9.73e-05	2.11e-05	-0.19	0.0	-0.46	-0.26	-1.95e-04	0.0	9.73e-05	0.22
		0.0	-2.13e-05	1.29e-06	0.0	60.8	-0.46	-0.46	-1.95e-04	0.0	-2.13e-05	0.0
209	309	0.22	1.10e-04	2.34e-05	-0.19	0.0	-0.54	-0.27	-2.09e-04	0.0	1.10e-04	0.22
		0.0	-1.72e-05	1.36e-06	0.0	60.8	-0.54	-0.46	-2.09e-04	0.0	-1.72e-05	0.0
209	310	0.22	2.21e-04	3.04e-05	-0.19	0.0	-0.86	-0.27	-4.17e-04	0.0	2.21e-04	0.22
		0.0	-3.23e-05	1.92e-06	0.0	60.8	-0.86	-0.46	-4.17e-04	0.0	-3.23e-05	0.0
210	16	0.59	7.54e-06	1.27e-04	-1.64	0.0	0.85	0.82	2.10e-05	0.0	-5.29e-05	0.0
		0.0	-5.29e-05	-6.14e-06	0.0	288.0	0.85	-0.82	2.10e-05	0.0	7.54e-06	0.0
210	42	0.59	0.0	-9.20e-05	-1.64	0.0	-0.62	0.82	1.31e-05	0.0	-3.68e-05	0.0
		0.0	-3.68e-05	-6.52e-05	0.0	288.0	-0.62	-0.82	1.31e-05	0.0	0.0	0.0
210	47	0.46	3.68e-06	-8.43e-05	-1.26	0.0	-0.81	0.63	1.91e-04	0.0	-5.46e-04	0.0
		0.0	-5.46e-04	-7.23e-05	0.0	288.0	-0.81	-0.63	1.91e-04	0.0	3.68e-06	0.0
210	51	0.59	-8.36e-03	9.03e-05	-1.64	0.0	-0.17	0.82	-4.41e-03	0.0	-8.36e-03	0.0
		0.0	-0.02	-5.22e-05	0.0	288.0	-0.17	-0.82	-4.41e-03	0.0	-0.02	0.0
210	70	0.46	-0.01	3.65e-05	-1.26	0.0	-0.39	0.63	-7.84e-03	0.0	-0.01	0.0
		0.0	-0.04	-2.64e-05	0.0	288.0	-0.39	-0.63	-7.84e-03	0.0	-0.04	0.0
210	91	0.59	0.02	7.87e-05	-1.64	0.0	0.58	0.82	4.14e-03	0.0	5.66e-03	0.0
		0.0	5.66e-03	-3.62e-05	0.0	288.0	0.58	-0.82	4.14e-03	0.0	0.02	0.0
210	116	0.46	1.21e-03	-1.52e-03	-1.26	0.0	-10.79	0.63	9.35e-04	0.0	-2.57e-03	0.0
		0.0	-2.57e-03	5.74e-03	0.0	288.0	-10.79	-0.63	9.35e-04	0.0	1.21e-03	0.0
210	118	0.46	-5.59e-04	1.39e-03	-1.26	0.0	14.91	0.63	2.19e-04	0.0	-5.59e-04	0.0
		0.0	-1.03e-03	-5.38e-03	0.0	288.0	14.91	-0.63	2.19e-04	0.0	-1.03e-03	0.0
210	119	0.46	1.05e-03	-1.28e-03	-1.26	0.0	-14.55	0.63	4.81e-05	0.0	-1.96e-04	0.0
		0.0	-1.96e-04	5.32e-03	0.0	288.0	-14.55	-0.63	4.81e-05	0.0	1.05e-03	0.0
210	123	0.46	7.94e-04	-9.76e-04	-1.26	0.0	-10.35	0.63	-2.14e-04	0.0	7.94e-04	0.0
		0.0	3.09e-05	-2.74e-04	0.0	288.0	-10.35	-0.63	-2.14e-04	0.0	3.09e-05	0.0
210	137	0.46	4.47e-03	7.53e-04	-1.26	0.0	-2.68	0.63	-1.52e-03	0.0	4.47e-03	0.0
		0.0	-4.43e-05	-2.12e-03	0.0	288.0	-2.68	-0.63	-1.52e-03	0.0	-4.43e-05	0.0
210	140	0.46	5.80e-05	-6.51e-04	-1.26	0.0	3.04	0.63	1.79e-03	0.0	-5.23e-03	0.0
		0.0	-5.23e-03	2.06e-03	0.0	288.0	3.04	-0.63	1.79e-03	0.0	5.80e-05	0.0
210	148	0.46	1.36e-03	-1.72e-03	-1.26	0.0	-12.12	0.63	1.04e-03	0.0	-2.86e-03	0.0
		0.0	-2.86e-03	6.46e-03	0.0	288.0	-12.12	-0.63	1.04e-03	0.0	1.36e-03	0.0
210	150	0.46	-5.89e-04	1.55e-03	-1.26	0.0	16.73	0.63	2.29e-04	0.0	-5.89e-04	0.0
		0.0	-1.16e-03	-6.04e-03	0.0	288.0	16.73	-0.63	2.29e-04	0.0	-1.16e-03	0.0
210	151	0.46	1.17e-03	-1.45e-03	-1.26	0.0	-16.36	0.63	3.76e-05	0.0	-1.66e-04	0.0
		0.0	-1.66e-04	5.99e-03	0.0	288.0	-16.36	-0.63	3.76e-05	0.0	1.17e-03	0.0
210	155	0.46	9.48e-04	-1.10e-03	-1.26	0.0	-11.67	0.63	-2.61e-04	0.0	9.48e-04	0.0

		0.0	3.29e-05	-3.08e-04	0.0	288.0	-11.67	-0.63	-2.61e-04	0.0	3.29e-05	0.0
210	169	0.46	5.11e-03	8.42e-04	-1.26	0.0	-3.08	0.63	-1.74e-03	0.0	5.11e-03	0.0
		0.0	-5.24e-05	-2.38e-03	0.0	288.0	-3.08	-0.63	-1.74e-03	0.0	-5.24e-05	0.0
210	172	0.46	6.61e-05	-7.39e-04	-1.26	0.0	3.44	0.63	2.01e-03	0.0	-5.86e-03	0.0
		0.0	-5.86e-03	2.33e-03	0.0	288.0	3.44	-0.63	2.01e-03	0.0	6.61e-05	0.0
210	180	0.46	1.34e-03	-1.70e-03	-1.26	0.0	-11.79	0.63	1.07e-03	0.0	-2.90e-03	0.0
		0.0	-2.90e-03	6.45e-03	0.0	288.0	-11.79	-0.63	1.07e-03	0.0	1.34e-03	0.0
210	182	0.46	-6.27e-04	1.53e-03	-1.26	0.0	16.48	0.63	2.27e-04	0.0	-6.27e-04	0.0
		0.0	-1.13e-03	-6.01e-03	0.0	288.0	16.48	-0.63	2.27e-04	0.0	-1.13e-03	0.0
210	183	0.46	1.14e-03	-1.42e-03	-1.26	0.0	-16.12	0.63	4.00e-05	0.0	-1.28e-04	0.0
		0.0	-1.28e-04	5.96e-03	0.0	288.0	-16.12	-0.63	4.00e-05	0.0	1.14e-03	0.0
210	187	0.46	9.84e-04	-1.07e-03	-1.26	0.0	-11.54	0.63	-2.77e-04	0.0	9.84e-04	0.0
		0.0	2.44e-05	-3.24e-04	0.0	288.0	-11.54	-0.63	-2.77e-04	0.0	2.44e-05	0.0
210	201	0.46	5.23e-03	8.40e-04	-1.26	0.0	-3.31	0.63	-1.79e-03	0.0	5.23e-03	0.0
		0.0	-7.34e-05	-2.39e-03	0.0	288.0	-3.31	-0.63	-1.79e-03	0.0	-7.34e-05	0.0
210	204	0.46	8.71e-05	-7.38e-04	-1.26	0.0	3.67	0.63	2.06e-03	0.0	-5.99e-03	0.0
		0.0	-5.99e-03	2.34e-03	0.0	288.0	3.67	-0.63	2.06e-03	0.0	8.71e-05	0.0
210	212	0.46	1.56e-03	-2.00e-03	-1.26	0.0	-13.68	0.63	1.26e-03	0.0	-3.38e-03	0.0
		0.0	-3.38e-03	7.60e-03	0.0	288.0	-13.68	-0.63	1.26e-03	0.0	1.56e-03	0.0
210	214	0.46	-6.89e-04	1.77e-03	-1.26	0.0	19.20	0.63	2.40e-04	0.0	-6.89e-04	0.0
		0.0	-1.32e-03	-7.06e-03	0.0	288.0	19.20	-0.63	2.40e-04	0.0	-1.32e-03	0.0
210	215	0.46	1.33e-03	-1.67e-03	-1.26	0.0	-18.83	0.63	2.67e-05	0.0	-6.60e-05	0.0
		0.0	-6.60e-05	7.00e-03	0.0	288.0	-18.83	-0.63	2.67e-05	0.0	1.33e-03	0.0
210	219	0.46	1.26e-03	-1.25e-03	-1.26	0.0	-13.51	0.63	-3.64e-04	0.0	1.26e-03	0.0
		0.0	1.87e-05	-3.89e-04	0.0	288.0	-13.51	-0.63	-3.64e-04	0.0	1.87e-05	0.0
210	233	0.46	6.29e-03	9.79e-04	-1.26	0.0	-4.04	0.63	-2.16e-03	0.0	6.29e-03	0.0
		0.0	-9.50e-05	-2.81e-03	0.0	288.0	-4.04	-0.63	-2.16e-03	0.0	-9.50e-05	0.0
210	236	0.46	1.09e-04	-8.77e-04	-1.26	0.0	4.41	0.63	2.42e-03	0.0	-7.05e-03	0.0
		0.0	-7.05e-03	2.76e-03	0.0	288.0	4.41	-0.63	2.42e-03	0.0	1.09e-04	0.0
210	249	0.46	4.78e-06	8.72e-05	-1.26	0.0	0.59	0.63	1.57e-05	0.0	-4.05e-05	0.0
		0.0	-4.05e-05	-5.57e-06	0.0	288.0	0.59	-0.63	1.57e-05	0.0	4.78e-06	0.0
210	262	0.46	0.0	-6.02e-05	-1.26	0.0	-0.39	0.63	1.05e-05	0.0	-2.98e-05	0.0
		0.0	-2.98e-05	-4.49e-05	0.0	288.0	-0.39	-0.63	1.05e-05	0.0	0.0	0.0
210	263	0.46	4.44e-06	-4.79e-05	-1.26	0.0	-0.47	0.63	1.45e-04	0.0	-4.14e-04	0.0
		0.0	-4.14e-04	-5.44e-05	0.0	288.0	-0.47	-0.63	1.45e-04	0.0	4.44e-06	0.0
210	267	0.46	-5.58e-03	6.26e-05	-1.26	0.0	-0.09	0.63	-2.94e-03	0.0	-5.58e-03	0.0
		0.0	-0.01	-3.63e-05	0.0	288.0	-0.09	-0.63	-2.94e-03	0.0	-0.01	0.0
210	274	0.46	-8.42e-03	3.72e-05	-1.26	0.0	-0.19	0.63	-5.21e-03	0.0	-8.42e-03	0.0
		0.0	-0.02	-2.38e-05	0.0	288.0	-0.19	-0.63	-5.21e-03	0.0	-0.02	0.0
210	287	0.46	0.01	5.48e-05	-1.26	0.0	0.40	0.63	2.76e-03	0.0	3.77e-03	0.0
		0.0	3.77e-03	-2.56e-05	0.0	288.0	0.40	-0.63	2.76e-03	0.0	0.01	0.0
210	298	0.46	7.38e-06	5.41e-05	-1.26	0.0	0.18	0.63	1.49e-04	0.0	-4.21e-04	0.0
		0.0	-4.21e-04	-2.82e-05	0.0	288.0	0.18	-0.63	1.49e-04	0.0	7.38e-06	0.0
210	302	0.46	4.02e-06	4.23e-05	-1.26	0.0	0.26	0.63	4.22e-05	0.0	-1.18e-04	0.0
		0.0	-1.18e-04	-1.39e-05	0.0	288.0	0.26	-0.63	4.22e-05	0.0	4.02e-06	0.0
210	304	0.46	3.14e-06	-1.50e-05	-1.26	0.0	0.06	0.63	4.12e-05	0.0	-1.15e-04	0.0
		0.0	-1.15e-04	-2.17e-05	0.0	288.0	0.06	-0.63	4.12e-05	0.0	3.14e-06	0.0
210	305	0.46	6.27e-06	3.16e-05	-1.26	0.0	0.05	0.63	1.33e-04	0.0	-3.76e-04	0.0
		0.0	-3.76e-04	-3.18e-05	0.0	288.0	0.05	-0.63	1.33e-04	0.0	6.27e-06	0.0
210	306	0.46	-1.79e-03	3.23e-05	-1.26	0.0	0.10	0.63	-1.00e-03	0.0	-1.79e-03	0.0
		0.0	-4.68e-03	-1.75e-05	0.0	288.0	0.10	-0.63	-1.00e-03	0.0	-4.68e-03	0.0
210	308	0.46	2.35e-03	3.27e-05	-1.26	0.0	0.24	0.63	5.64e-04	0.0	7.22e-04	0.0
		0.0	7.22e-04	-1.60e-05	0.0	288.0	0.24	-0.63	5.64e-04	0.0	2.35e-03	0.0
210	309	0.46	3.73e-06	3.26e-05	-1.26	0.0	0.19	0.63	4.19e-05	0.0	-1.17e-04	0.0
		0.0	-1.17e-04	-1.65e-05	0.0	288.0	0.19	-0.63	4.19e-05	0.0	3.73e-06	0.0
210	310	0.46	6.86e-06	5.10e-05	-1.26	0.0	0.18	0.63	1.33e-04	0.0	-3.77e-04	0.0
		0.0	-3.77e-04	-2.65e-05	0.0	288.0	0.18	-0.63	1.33e-04	0.0	6.86e-06	0.0
211	16	1.45	-1.44e-04	-2.15e-04	-1.29	0.0	0.50	1.29	-1.19e-04	0.0	-1.44e-04	0.0
		0.0	-4.13e-04	-2.21e-06	0.0	226.0	0.50	-2.61e-03	-1.19e-04	0.0	-4.13e-04	1.45
211	21	1.73	2.40e-04	-2.46e-04	-0.99	0.0	0.44	1.26	1.49e-04	0.0	-9.63e-05	0.0
		0.0	-9.63e-05	-6.01e-06	0.0	226.0	0.44	0.27	1.49e-04	0.0	2.40e-04	1.73
211	28	4.31	4.21e-04	-4.67e-04	-1.29	0.0	-0.59	2.55	-1.26e-03	0.0	4.21e-04	0.0
		0.0	-2.42e-03	-4.76e-05	0.0	226.0	-0.59	1.26	-1.26e-03	0.0	-2.42e-03	4.31
211	47	3.49	5.33e-04	-3.40e-04	-0.99	0.0	-0.99	2.04	-1.32e-03	0.0	5.33e-04	0.0
		0.0	-2.46e-03	-4.77e-05	0.0	226.0	-0.99	1.05	-1.32e-03	0.0	-2.46e-03	3.49
211	69	1.16	6.78e-03	-1.41e-04	-0.99	0.0	-0.12	1.01	0.02	0.0	-0.03	0.0
		0.0	-0.03	-2.13e-06	0.0	226.0	-0.12	0.02	0.02	0.0	6.78e-03	1.16
211	92	3.16	0.01	-3.78e-04	-1.29	0.0	0.05	2.04	-8.71e-03	0.0	0.01	0.0
		0.0	-5.04e-03	-3.02e-05	0.0	226.0	0.05	0.75	-8.71e-03	0.0	-5.04e-03	3.16
211	113	0.0	0.03	5.66e-04	-0.99	0.0	11.07	-6.35	0.01	0.0	-7.34e-03	0.0
		-15.47	-7.34e-03	-1.49e-04	0.0	226.0	11.07	-7.34	0.01	0.0	0.03	-15.47
211	114	0.0	0.01	3.97e-04	-0.99	0.0	12.87	-4.83	9.61e-03	0.0	-0.01	0.0
		-12.03	-0.01	1.87e-04	0.0	226.0	12.87	-5.82	9.61e-03	0.0	0.01	-12.03
211	115	15.92	0.01	-8.54e-04	-0.99	0.0	-12.91	7.54	-0.01	0.0	0.01	0.0
		0.0	-0.01	-2.19e-04	0.0	226.0	-12.91	6.55	-0.01	0.0	-0.01	15.92

211	116	19.36	7.52e-03	-1.03e-03	-0.99	0.0	-11.12	9.06	-0.01	0.0	7.52e-03	0.0
		0.0	-0.03	1.17e-04	0.0	226.0	-11.12	8.07	-0.01	0.0	-0.03	19.36
211	133	0.0	0.03	2.37e-04	-0.99	0.0	-0.56	-2.93	0.01	0.0	3.08e-03	0.0
		-7.75	3.08e-03	-7.72e-04	0.0	226.0	-0.56	-3.93	0.01	0.0	0.03	-7.75
211	136	11.65	-2.90e-03	-6.97e-04	-0.99	0.0	0.51	5.65	-0.01	0.0	-2.90e-03	0.0
		0.0	-0.03	7.40e-04	0.0	226.0	0.51	4.66	-0.01	0.0	-0.03	11.65
211	145	0.0	0.03	6.64e-04	-0.99	0.0	12.43	-7.31	0.02	0.0	-8.23e-03	0.0
		-17.63	-8.23e-03	-1.73e-04	0.0	226.0	12.43	-8.30	0.02	0.0	0.03	-17.63
211	146	0.0	0.01	4.72e-04	-0.99	0.0	14.45	-5.58	0.01	0.0	-0.01	0.0
		-13.74	-0.01	2.09e-04	0.0	226.0	14.45	-6.57	0.01	0.0	0.01	-13.74
211	147	17.63	0.01	-9.30e-04	-0.99	0.0	-14.50	8.30	-0.01	0.0	0.01	0.0
		0.0	-0.01	-2.41e-04	0.0	226.0	-14.50	7.31	-0.01	0.0	-0.01	17.63
211	148	21.53	8.41e-03	-1.12e-03	-0.99	0.0	-12.47	10.02	-0.02	0.0	8.41e-03	0.0
		0.0	-0.03	1.40e-04	0.0	226.0	-12.47	9.03	-0.02	0.0	-0.03	21.53
211	165	0.0	0.03	2.96e-04	-0.99	0.0	-0.63	-3.49	0.01	0.0	3.49e-03	0.0
		-9.00	3.49e-03	-8.72e-04	0.0	226.0	-0.63	-4.48	0.01	0.0	0.03	-9.00
211	168	12.90	-3.31e-03	-7.57e-04	-0.99	0.0	0.58	6.20	-0.01	0.0	-3.31e-03	0.0
		0.0	-0.03	8.40e-04	0.0	226.0	0.58	5.21	-0.01	0.0	-0.03	12.90
211	177	0.0	0.03	6.57e-04	-0.99	0.0	12.18	-7.22	0.02	0.0	-7.96e-03	0.0
		-17.44	-7.96e-03	-2.10e-04	0.0	226.0	12.18	-8.21	0.02	0.0	0.03	-17.44
211	178	0.0	0.01	4.58e-04	-0.99	0.0	14.20	-5.44	0.01	0.0	-0.01	0.0
		-13.42	-0.01	1.88e-04	0.0	226.0	14.20	-6.43	0.01	0.0	0.01	-13.42
211	179	17.32	0.01	-9.16e-04	-0.99	0.0	-14.25	8.16	-0.01	0.0	0.01	0.0
		0.0	-0.01	-2.20e-04	0.0	226.0	-14.25	7.17	-0.01	0.0	-0.01	17.32
211	180	21.34	8.14e-03	-1.12e-03	-0.99	0.0	-12.23	9.94	-0.02	0.0	8.14e-03	0.0
		0.0	-0.03	1.78e-04	0.0	226.0	-12.23	8.95	-0.02	0.0	-0.03	21.34
211	197	0.0	0.03	3.04e-04	-0.99	0.0	-0.67	-3.55	0.01	0.0	3.70e-03	0.0
		-9.14	3.70e-03	-9.01e-04	0.0	226.0	-0.67	-4.54	0.01	0.0	0.03	-9.14
211	200	13.04	-3.52e-03	-7.65e-04	-0.99	0.0	0.62	6.26	-0.01	0.0	-3.52e-03	0.0
		0.0	-0.03	8.69e-04	0.0	226.0	0.62	5.27	-0.01	0.0	-0.03	13.04
211	209	0.0	0.03	8.09e-04	-0.99	0.0	14.18	-8.69	0.02	0.0	-9.21e-03	0.0
		-20.77	-9.21e-03	-2.70e-04	0.0	226.0	14.18	-9.69	0.02	0.0	0.03	-20.77
211	210	0.0	0.02	5.69e-04	-0.99	0.0	16.56	-6.55	0.01	0.0	-0.01	0.0
		-15.93	-0.01	2.11e-04	0.0	226.0	16.56	-7.54	0.01	0.0	0.02	-15.93
211	211	19.82	0.01	-1.03e-03	-0.99	0.0	-16.61	9.27	-0.01	0.0	0.01	0.0
		0.0	-0.02	-2.43e-04	0.0	226.0	-16.61	8.28	-0.01	0.0	-0.02	19.82
211	212	24.67	9.38e-03	-1.27e-03	-0.99	0.0	-14.23	11.41	-0.02	0.0	9.38e-03	0.0
		0.0	-0.04	2.38e-04	0.0	226.0	-14.23	10.42	-0.02	0.0	-0.04	24.67
211	225	0.0	0.04	4.49e-04	-0.99	0.0	0.63	-4.91	0.02	0.0	4.00e-03	0.0
		-12.21	4.00e-03	-8.21e-04	0.0	226.0	0.63	-5.90	0.02	0.0	0.04	-12.21
211	228	16.11	-3.83e-03	-9.11e-04	-0.99	0.0	-0.67	7.62	-0.02	0.0	-3.83e-03	0.0
		0.0	-0.04	7.89e-04	0.0	226.0	-0.67	6.63	-0.02	0.0	-0.04	16.11
211	249	1.07	-9.29e-05	-1.57e-04	-0.99	0.0	0.33	0.97	-1.08e-04	0.0	-9.29e-05	0.0
		0.0	-3.37e-04	-2.44e-06	0.0	226.0	0.33	-0.02	-1.08e-04	0.0	-3.37e-04	1.07
211	250	1.66	-4.58e-05	-2.25e-04	-0.99	0.0	0.29	1.23	-2.28e-05	0.0	-4.58e-05	0.0
		0.0	-9.73e-05	-7.79e-06	0.0	226.0	0.29	0.24	-2.28e-05	0.0	-9.73e-05	1.66
211	256	2.98	2.84e-04	-3.25e-04	-0.99	0.0	-0.39	1.81	-8.67e-04	0.0	2.84e-04	0.0
		0.0	-1.67e-03	-3.27e-05	0.0	226.0	-0.39	0.82	-8.67e-04	0.0	-1.67e-03	2.98
211	263	2.84	3.74e-04	-2.88e-04	-0.99	0.0	-0.66	1.75	-1.00e-03	0.0	3.74e-04	0.0
		0.0	-1.90e-03	-3.56e-05	0.0	226.0	-0.66	0.76	-1.00e-03	0.0	-1.90e-03	2.84
211	273	1.29	4.26e-03	-1.55e-04	-0.99	0.0	-0.08	1.07	0.01	0.0	-0.02	0.0
		0.0	-0.02	-5.21e-06	0.0	226.0	-0.08	0.07	0.01	0.0	4.26e-03	1.29
211	288	2.21	9.76e-03	-2.66e-04	-0.99	0.0	0.03	1.48	-5.83e-03	0.0	9.76e-03	0.0
		0.0	-3.42e-03	-2.11e-05	0.0	226.0	0.03	0.48	-5.83e-03	0.0	-3.42e-03	2.21
211	302	1.24	1.79e-05	-1.57e-04	-0.99	0.0	0.06	1.05	-2.57e-04	0.0	1.79e-05	0.0
		0.0	-5.64e-04	-8.32e-06	0.0	226.0	0.06	0.05	-2.57e-04	0.0	-5.64e-04	1.24
211	303	1.87	5.92e-05	-2.30e-04	-0.99	0.0	0.04	1.32	-2.81e-04	0.0	5.92e-05	0.0
		0.0	-5.75e-04	-1.42e-05	0.0	226.0	0.04	0.33	-2.81e-04	0.0	-5.75e-04	1.87
211	305	2.10	1.43e-04	-2.42e-04	-0.99	0.0	-0.15	1.43	-4.77e-04	0.0	1.43e-04	0.0
		0.0	-9.35e-04	-1.98e-05	0.0	226.0	-0.15	0.44	-4.77e-04	0.0	-9.35e-04	2.10
211	306	1.31	3.06e-04	-1.60e-04	-0.99	0.0	-0.02	1.08	1.83e-03	0.0	-3.82e-03	0.0
		0.0	-3.82e-03	-9.18e-06	0.0	226.0	-0.02	0.09	1.83e-03	0.0	3.06e-04	1.31
211	308	1.33	1.98e-03	-1.61e-04	-0.99	0.0	1.82e-03	1.08	-1.40e-03	0.0	1.98e-03	0.0
		0.0	-1.18e-03	-1.07e-05	0.0	226.0	1.82e-03	0.09	-1.40e-03	0.0	-1.18e-03	1.33
211	309	1.32	4.59e-05	-1.61e-04	-0.99	0.0	-5.44e-03	1.08	-3.23e-04	0.0	4.59e-05	0.0
		0.0	-6.83e-04	-1.02e-05	0.0	226.0	-5.44e-03	0.09	-3.23e-04	0.0	-6.83e-04	1.32
211	310	1.95	8.72e-05	-2.34e-04	-0.99	0.0	-0.02	1.36	-3.46e-04	0.0	8.72e-05	0.0
		0.0	-6.95e-04	-1.61e-05	0.0	226.0	-0.02	0.37	-3.46e-04	0.0	-6.95e-04	1.95
212	19	0.39	2.49e-03	-2.55e-05	-1.02	0.0	0.44	0.43	-1.14e-03	0.0	2.49e-03	0.18
		0.0	-1.65e-04	5.86e-06	0.0	232.0	0.44	-0.59	-1.14e-03	0.0	-1.65e-04	0.0
212	44	0.0	3.48e-03	-2.20e-04	-1.32	0.0	-1.30	1.54	-1.78e-03	0.0	3.48e-03	-2.05
		-2.05	-6.54e-04	-5.69e-05	0.0	232.0	-1.30	0.22	-1.78e-03	0.0	-6.54e-04	0.0
212	67	0.15	6.10e-03	-1.16e-04	-1.32	0.0	-0.54	0.90	-0.01	0.0	6.10e-03	-0.56
		-0.56	-0.02	-2.14e-05	0.0	232.0	-0.54	-0.42	-0.01	0.0	-0.02	0.0
212	94	0.07	9.95e-03	-8.20e-05	-1.02	0.0	0.02	0.77	3.57e-03	0.0	1.66e-03	-0.61

		-0.61	1.66e-03	-1.30e-05	0.0	232.0	0.02	-0.25	3.57e-03	0.0	9.95e-03	0.0
212	113	16.93	0.03	7.24e-04	-1.02	0.0	-7.26	-6.79	-0.01	0.0	0.03	16.93
		0.0	-3.06e-03	-3.04e-04	0.0	232.0	-7.26	-7.81	-0.01	0.0	-3.06e-03	0.0
212	116	0.0	2.17e-03	-9.11e-04	-1.02	0.0	7.00	8.30	0.01	0.0	-0.02	-18.07
		-18.07	-0.02	2.72e-04	0.0	232.0	7.00	7.28	0.01	0.0	2.17e-03	0.0
212	117	16.15	0.03	6.96e-04	-1.02	0.0	-7.06	-6.45	-0.01	0.0	0.03	16.15
		0.0	-3.08e-03	-1.83e-04	0.0	232.0	-7.06	-7.47	-0.01	0.0	-3.08e-03	0.0
212	120	0.0	2.19e-03	-8.83e-04	-1.02	0.0	6.81	7.96	0.01	0.0	-0.02	-17.28
		-17.28	-0.02	1.51e-04	0.0	232.0	6.81	6.94	0.01	0.0	2.19e-03	0.0
212	129	11.17	0.02	4.88e-04	-1.02	0.0	-8.67	-4.31	-7.66e-03	0.0	0.02	11.17
		0.0	-1.96e-03	-6.12e-04	0.0	232.0	-8.67	-5.33	-7.66e-03	0.0	-1.96e-03	0.0
212	132	0.0	1.08e-03	-6.75e-04	-1.02	0.0	8.42	5.82	5.14e-03	0.0	-0.01	-12.31
		-12.31	-0.01	5.80e-04	0.0	232.0	8.42	4.80	5.14e-03	0.0	1.08e-03	0.0
212	145	19.11	0.03	8.27e-04	-1.02	0.0	-8.17	-7.73	-0.01	0.0	0.03	19.11
		0.0	-3.37e-03	-3.44e-04	0.0	232.0	-8.17	-8.75	-0.01	0.0	-3.37e-03	0.0
212	148	0.0	2.49e-03	-1.01e-03	-1.02	0.0	7.92	9.24	0.01	0.0	-0.02	-20.25
		-20.25	-0.02	3.12e-04	0.0	232.0	7.92	8.22	0.01	0.0	2.49e-03	0.0
212	149	18.22	0.03	7.94e-04	-1.02	0.0	-7.95	-7.35	-0.01	0.0	0.03	18.22
		0.0	-3.40e-03	-2.07e-04	0.0	232.0	-7.95	-8.36	-0.01	0.0	-3.40e-03	0.0
212	152	0.0	2.52e-03	-9.81e-04	-1.02	0.0	7.70	8.85	0.01	0.0	-0.03	-19.36
		-19.36	-0.03	1.75e-04	0.0	232.0	7.70	7.83	0.01	0.0	2.52e-03	0.0
212	161	12.69	0.02	5.63e-04	-1.02	0.0	-9.80	-4.96	-8.48e-03	0.0	0.02	12.69
		0.0	-2.14e-03	-6.93e-04	0.0	232.0	-9.80	-5.98	-8.48e-03	0.0	-2.14e-03	0.0
212	164	0.0	1.26e-03	-7.50e-04	-1.02	0.0	9.55	6.47	5.95e-03	0.0	-0.01	-13.83
		-13.83	-0.01	6.61e-04	0.0	232.0	9.55	5.45	5.95e-03	0.0	1.26e-03	0.0
212	177	18.98	0.03	8.22e-04	-1.02	0.0	-8.27	-7.67	-0.01	0.0	0.03	18.98
		0.0	-3.31e-03	-3.70e-04	0.0	232.0	-8.27	-8.69	-0.01	0.0	-3.31e-03	0.0
212	180	0.0	2.42e-03	-1.01e-03	-1.02	0.0	8.02	9.18	0.01	0.0	-0.02	-20.11
		-20.11	-0.02	3.38e-04	0.0	232.0	8.02	8.16	0.01	0.0	2.42e-03	0.0
212	181	18.04	0.03	7.88e-04	-1.02	0.0	-8.02	-7.27	-0.01	0.0	0.03	18.04
		0.0	-3.35e-03	-2.27e-04	0.0	232.0	-8.02	-8.28	-0.01	0.0	-3.35e-03	0.0
212	184	0.0	2.46e-03	-9.75e-04	-1.02	0.0	7.76	8.77	0.01	0.0	-0.03	-19.18
		-19.18	-0.03	1.95e-04	0.0	232.0	7.76	7.76	0.01	0.0	2.46e-03	0.0
212	193	12.92	0.02	5.77e-04	-1.02	0.0	-10.12	-5.06	-8.55e-03	0.0	0.02	12.92
		0.0	-2.07e-03	-7.24e-04	0.0	232.0	-10.12	-6.08	-8.55e-03	0.0	-2.07e-03	0.0
212	196	0.0	1.19e-03	-7.64e-04	-1.02	0.0	9.87	6.57	6.02e-03	0.0	-0.01	-14.05
		-14.05	-0.01	6.92e-04	0.0	232.0	9.87	5.55	6.02e-03	0.0	1.19e-03	0.0
212	209	22.36	0.03	9.83e-04	-1.02	0.0	-9.79	-9.13	-0.02	0.0	0.03	22.36
		0.0	-3.78e-03	-4.51e-04	0.0	232.0	-9.79	-10.15	-0.02	0.0	-3.78e-03	0.0
212	212	0.0	2.90e-03	-1.17e-03	-1.02	0.0	9.54	10.64	0.01	0.0	-0.03	-23.50
		-23.50	-0.03	4.19e-04	0.0	232.0	9.54	9.62	0.01	0.0	2.90e-03	0.0
212	213	21.21	0.03	9.40e-04	-1.02	0.0	-9.45	-8.63	-0.02	0.0	0.03	21.21
		0.0	-3.83e-03	-2.78e-04	0.0	232.0	-9.45	-9.65	-0.02	0.0	-3.83e-03	0.0
212	216	0.0	2.95e-03	-1.13e-03	-1.02	0.0	9.20	10.14	0.01	0.0	-0.03	-22.35
		-22.35	-0.03	2.46e-04	0.0	232.0	9.20	9.12	0.01	0.0	2.95e-03	0.0
212	225	15.50	0.02	7.08e-04	-1.02	0.0	-12.14	-6.17	-9.90e-03	0.0	0.02	15.50
		0.0	-2.35e-03	-8.72e-04	0.0	232.0	-12.14	-7.19	-9.90e-03	0.0	-2.35e-03	0.0
212	228	0.0	1.46e-03	-8.94e-04	-1.02	0.0	11.88	7.68	7.37e-03	0.0	-0.02	-16.64
		-16.64	-0.02	8.40e-04	0.0	232.0	11.88	6.66	7.37e-03	0.0	1.46e-03	0.0
212	248	0.28	2.46e-03	-3.77e-05	-1.02	0.0	0.25	0.53	-1.14e-03	0.0	2.46e-03	-0.04
		-0.04	-1.86e-04	0.0	0.0	232.0	0.25	-0.49	-1.14e-03	0.0	-1.86e-04	0.0
212	264	0.0	2.51e-03	-1.50e-04	-1.02	0.0	-0.87	1.11	-1.27e-03	0.0	2.51e-03	-1.39
		-1.39	-4.49e-04	-3.89e-05	0.0	232.0	-0.87	0.09	-1.27e-03	0.0	-4.49e-04	0.0
212	275	0.13	4.25e-03	-8.04e-05	-1.02	0.0	-0.37	0.68	-7.82e-03	0.0	4.25e-03	-0.40
		-0.40	-0.01	-1.52e-05	0.0	232.0	-0.37	-0.34	-7.82e-03	0.0	-0.01	0.0
212	286	0.08	6.56e-03	-7.81e-05	-1.02	0.0	-0.02	0.75	2.00e-03	0.0	1.91e-03	-0.57
		-0.57	1.91e-03	-1.24e-05	0.0	232.0	-0.02	-0.26	2.00e-03	0.0	6.56e-03	0.0
212	302	0.15	2.19e-03	-5.32e-05	-1.02	0.0	-0.02	0.65	-1.03e-03	0.0	2.19e-03	-0.33
		-0.33	-1.89e-04	-7.99e-06	0.0	232.0	-0.02	-0.37	-1.03e-03	0.0	-1.89e-04	0.0
212	305	0.05	2.35e-03	-1.01e-04	-1.02	0.0	-0.27	0.82	-1.21e-03	0.0	2.35e-03	-0.71
		-0.71	-4.43e-04	-2.01e-05	0.0	232.0	-0.27	-0.20	-1.21e-03	0.0	-4.43e-04	0.0
212	307	0.09	2.83e-03	-8.96e-05	-1.02	0.0	-0.17	0.74	-2.57e-03	0.0	2.83e-03	-0.53
		-0.53	-3.12e-03	-1.56e-05	0.0	232.0	-0.17	-0.28	-2.57e-03	0.0	-3.12e-03	0.0
212	309	0.13	2.12e-03	-5.71e-05	-1.02	0.0	-0.09	0.68	-9.96e-04	0.0	2.12e-03	-0.40
		-0.40	-1.90e-04	-1.00e-05	0.0	232.0	-0.09	-0.34	-9.96e-04	0.0	-1.90e-04	0.0
212	310	0.08	2.49e-03	-9.34e-05	-1.02	0.0	-0.13	0.75	-1.26e-03	0.0	2.49e-03	-0.57
		-0.57	-4.41e-04	-1.60e-05	0.0	232.0	-0.13	-0.26	-1.26e-03	0.0	-4.41e-04	0.0
213	19	4.26	9.85e-03	-2.76e-04	-16.89	0.0	0.47	7.89	-5.18e-03	0.0	9.85e-03	0.0
		-1.27	-2.15e-03	8.87e-06	0.0	232.0	0.47	-8.99	-5.18e-03	0.0	-2.15e-03	-1.27
213	44	12.98	4.37e-03	-8.22e-04	-52.10	0.0	0.67	24.19	0.01	0.0	-0.02	0.0
		-4.32	-0.02	-6.02e-05	0.0	232.0	0.67	-27.92	0.01	0.0	4.37e-03	-4.32
213	51	15.14	-1.40e-04	-9.04e-04	-63.38	0.0	0.02	28.78	1.66e-04	0.0	-5.26e-04	0.0
		-6.74	-5.26e-04	-2.96e-05	0.0	232.0	0.02	-34.59	1.66e-04	0.0	-1.40e-04	-6.74
213	69	3.62	-2.49e-04	-2.11e-04	-16.89	0.0	-0.76	7.26	-2.51e-05	0.0	-2.49e-04	0.0
		-2.76	-3.07e-04	-1.15e-05	0.0	232.0	-0.76	-9.63	-2.51e-05	0.0	-3.07e-04	-2.76

213	76	15.86	1.39e-04	-9.93e-04	-63.38	0.0	1.24	29.49	2.89e-04	0.0	-5.31e-04	0.0
		-5.10	-5.31e-04	-2.87e-05	0.0	232.0	1.24	-33.89	2.89e-04	0.0	1.39e-04	-5.10
213	92	13.30	1.94e-04	-8.50e-04	-52.10	0.0	1.42	24.49	2.80e-04	0.0	-4.56e-04	0.0
		-3.62	-4.56e-04	-2.36e-05	0.0	232.0	1.42	-27.61	2.80e-04	0.0	1.94e-04	-3.62
213	113	3.92	-5.36e-03	1.92e-04	-33.59	0.0	4.29	10.65	1.65e-03	0.0	-8.68e-03	0.0
		-14.26	-8.68e-03	-6.58e-04	0.0	232.0	4.29	-22.94	1.65e-03	0.0	-5.36e-03	-14.26
213	116	14.37	8.12e-03	-9.78e-04	-33.59	0.0	-3.35	20.40	-1.38e-03	0.0	8.12e-03	0.0
		0.0	5.42e-03	6.27e-04	0.0	232.0	-3.35	-13.19	-1.38e-03	0.0	5.42e-03	8.37
213	117	3.96	-5.21e-03	1.82e-04	-33.59	0.0	4.39	10.71	1.70e-03	0.0	-8.60e-03	0.0
		-14.13	-8.60e-03	-5.50e-04	0.0	232.0	4.39	-22.89	1.70e-03	0.0	-5.21e-03	-14.13
213	120	14.28	8.04e-03	-9.69e-04	-33.59	0.0	-3.45	20.35	-1.43e-03	0.0	8.04e-03	0.0
		0.0	5.26e-03	5.19e-04	0.0	232.0	-3.45	-13.24	-1.43e-03	0.0	5.26e-03	8.24
213	129	1.42	-6.37e-03	6.75e-04	-33.59	0.0	2.52	6.42	-6.36e-04	0.0	-6.37e-03	0.0
		-24.07	-7.77e-03	-7.61e-04	0.0	232.0	2.52	-27.17	-6.36e-04	0.0	-7.77e-03	-24.07
213	132	20.94	7.82e-03	-1.43e-03	-33.59	0.0	-1.58	24.63	9.01e-04	0.0	5.80e-03	0.0
		0.0	5.80e-03	7.30e-04	0.0	232.0	-1.58	-8.96	9.01e-04	0.0	7.82e-03	18.18
213	145	3.45	-6.06e-03	2.61e-04	-33.59	0.0	4.76	10.00	1.83e-03	0.0	-9.73e-03	0.0
		-15.76	-9.73e-03	-7.40e-04	0.0	232.0	4.76	-23.59	1.83e-03	0.0	-6.06e-03	-15.76
213	148	15.30	9.17e-03	-1.04e-03	-33.59	0.0	-3.82	21.05	-1.56e-03	0.0	9.17e-03	0.0
		0.0	6.12e-03	7.09e-04	0.0	232.0	-3.82	-12.54	-1.56e-03	0.0	6.12e-03	9.87
213	149	3.50	-5.88e-03	2.49e-04	-33.59	0.0	4.88	10.07	1.89e-03	0.0	-9.64e-03	0.0
		-15.60	-9.64e-03	-6.17e-04	0.0	232.0	4.88	-23.52	1.89e-03	0.0	-5.88e-03	-15.60
213	152	15.21	9.07e-03	-1.03e-03	-33.59	0.0	-3.94	20.98	-1.62e-03	0.0	9.07e-03	0.0
		0.0	5.93e-03	5.86e-04	0.0	232.0	-3.94	-12.61	-1.62e-03	0.0	5.93e-03	9.72
213	161	0.90	-7.16e-03	8.08e-04	-33.59	0.0	2.78	5.21	-7.43e-04	0.0	-7.16e-03	0.0
		-26.88	-8.80e-03	-8.60e-04	0.0	232.0	2.78	-28.38	-7.43e-04	0.0	-8.80e-03	-26.88
213	164	23.05	8.85e-03	-1.56e-03	-33.59	0.0	-1.84	25.85	1.01e-03	0.0	6.59e-03	0.0
		0.0	6.59e-03	8.29e-04	0.0	232.0	-1.84	-7.75	1.01e-03	0.0	8.85e-03	21.00
213	177	3.30	-6.19e-03	2.80e-04	-33.59	0.0	4.71	9.81	1.76e-03	0.0	-9.68e-03	0.0
		-16.22	-9.68e-03	-7.47e-04	0.0	232.0	4.71	-23.78	1.76e-03	0.0	-6.19e-03	-16.22
213	181	3.38	-5.97e-03	2.65e-04	-33.59	0.0	4.83	9.91	1.82e-03	0.0	-9.58e-03	0.0
		-15.98	-9.58e-03	-6.18e-04	0.0	232.0	4.83	-23.68	1.82e-03	0.0	-5.97e-03	-15.98
213	184	15.44	9.01e-03	-1.05e-03	-33.59	0.0	-3.90	21.15	-1.56e-03	0.0	9.01e-03	0.0
		0.0	6.03e-03	5.87e-04	0.0	232.0	-3.90	-12.45	-1.56e-03	0.0	6.03e-03	10.09
213	193	0.79	-7.29e-03	8.51e-04	-33.59	0.0	2.80	4.82	-8.06e-04	0.0	-7.29e-03	0.0
		-27.79	-9.11e-03	-8.89e-04	0.0	232.0	2.80	-28.77	-8.06e-04	0.0	-9.11e-03	-27.79
213	196	23.73	9.16e-03	-1.60e-03	-33.59	0.0	-1.86	26.24	1.07e-03	0.0	6.73e-03	0.0
		0.0	6.73e-03	8.58e-04	0.0	232.0	-1.86	-7.35	1.07e-03	0.0	9.16e-03	21.90
213	209	2.58	-7.38e-03	4.02e-04	-33.59	0.0	5.44	8.65	2.01e-03	0.0	-0.01	0.0
		-18.90	-0.01	-8.83e-04	0.0	232.0	5.44	-24.94	2.01e-03	0.0	-7.38e-03	-18.90
213	213	2.68	-7.09e-03	3.78e-04	-33.59	0.0	5.58	8.82	2.09e-03	0.0	-0.01	0.0
		-18.51	-0.01	-7.24e-04	0.0	232.0	5.58	-24.77	2.09e-03	0.0	-7.09e-03	-18.51
213	216	17.05	0.01	-1.16e-03	-33.59	0.0	-4.64	22.24	-1.82e-03	0.0	0.01	0.0
		0.0	7.14e-03	6.93e-04	0.0	232.0	-4.64	-11.35	-1.82e-03	0.0	7.14e-03	12.62
213	225	0.23	-8.65e-03	1.09e-03	-33.59	0.0	3.22	2.62	-1.02e-03	0.0	-8.65e-03	0.0
		-32.88	-0.01	-1.07e-03	0.0	232.0	3.22	-30.97	-1.02e-03	0.0	-0.01	-32.88
213	228	27.88	0.01	-1.84e-03	-33.59	0.0	-2.29	28.43	1.28e-03	0.0	8.08e-03	0.0
		0.0	8.08e-03	1.04e-03	0.0	232.0	-2.29	-5.16	1.28e-03	0.0	0.01	27.00
213	248	4.68	6.49e-03	-3.03e-04	-18.56	0.0	0.47	8.67	-3.41e-03	0.0	6.49e-03	0.0
		-1.40	-1.43e-03	2.46e-06	0.0	232.0	0.47	-9.88	-3.41e-03	0.0	-1.43e-03	-1.40
213	264	9.00	2.91e-03	-5.71e-04	-36.10	0.0	0.48	16.77	7.17e-03	0.0	-0.01	0.0
		-2.98	-0.01	-4.10e-05	0.0	232.0	0.48	-19.33	7.17e-03	0.0	2.91e-03	-2.98
213	267	10.44	-9.29e-05	-6.26e-04	-43.61	0.0	0.05	19.83	1.17e-04	0.0	-3.63e-04	0.0
		-4.59	-3.63e-04	-2.06e-05	0.0	232.0	0.05	-23.78	1.17e-04	0.0	-9.29e-05	-4.59
213	273	4.25	-1.99e-04	-2.59e-04	-18.56	0.0	-0.35	8.25	2.02e-05	0.0	-2.46e-04	0.0
		-2.39	-2.46e-04	-1.11e-05	0.0	232.0	-0.35	-10.31	2.02e-05	0.0	-1.99e-04	-2.39
213	280	10.92	9.35e-05	-6.85e-04	-43.61	0.0	0.86	20.30	1.98e-04	0.0	-3.67e-04	0.0
		-3.49	-3.67e-04	-2.00e-05	0.0	232.0	0.86	-23.31	1.98e-04	0.0	9.35e-05	-3.49
213	288	9.21	1.30e-04	-5.90e-04	-36.10	0.0	0.98	16.97	1.92e-04	0.0	-3.17e-04	0.0
		-2.51	-3.17e-04	-1.66e-05	0.0	232.0	0.98	-19.13	1.92e-04	0.0	1.30e-04	-2.51
213	298	8.90	2.82e-05	-5.49e-04	-36.10	0.0	0.48	16.67	1.39e-04	0.0	-2.95e-04	0.0
		-3.20	-2.95e-04	-1.65e-05	0.0	232.0	0.48	-19.43	1.39e-04	0.0	2.82e-05	-3.20
213	301	8.33	2.41e-05	-5.21e-04	-33.59	0.0	0.52	15.56	1.39e-04	0.0	-2.99e-04	0.0
		-2.87	-2.99e-04	-1.59e-05	0.0	232.0	0.52	-18.03	1.39e-04	0.0	2.41e-05	-2.87
213	302	4.69	1.14e-03	-3.05e-04	-18.56	0.0	0.42	8.68	-6.09e-04	0.0	1.14e-03	0.0
		-1.39	-2.76e-04	-6.94e-06	0.0	232.0	0.42	-9.88	-6.09e-04	0.0	-2.76e-04	-1.39
213	305	8.30	6.04e-04	-5.15e-04	-33.59	0.0	0.44	15.53	1.53e-03	0.0	-2.96e-03	0.0
		-2.94	-2.96e-03	-2.02e-05	0.0	232.0	0.44	-18.06	1.53e-03	0.0	6.04e-04	-2.94
213	306	4.60	-2.92e-05	-2.96e-04	-18.56	0.0	0.26	8.60	7.75e-05	0.0	-2.09e-04	0.0
		-1.58	-2.09e-04	-9.65e-06	0.0	232.0	0.26	-9.96	7.75e-05	0.0	-2.92e-05	-1.58
213	309	4.69	1.33e-05	-3.06e-04	-18.56	0.0	0.41	8.68	9.18e-05	0.0	-2.00e-04	0.0
		-1.38	-2.00e-04	-9.29e-06	0.0	232.0	0.41	-9.88	9.18e-05	0.0	1.33e-05	-1.38
213	310	8.30	2.61e-05	-5.14e-04	-33.59	0.0	0.47	15.53	1.32e-04	0.0	-2.81e-04	0.0
		-2.94	-2.81e-04	-1.55e-05	0.0	232.0	0.47	-18.06	1.32e-04	0.0	2.61e-05	-2.94
214	20	5.97	0.02	3.72e-04	-17.13	0.0	0.77	7.80	9.92e-03	0.0	-6.59e-03	1.80

		0.0	-6.59e-03	8.39e-06	0.0	235.3	0.77	-9.33	9.92e-03	0.0	0.02	0.0
214	43	16.26	0.01	8.17e-04	-52.85	0.0	0.55	25.82	-0.02	0.0	0.01	1.43
		0.0	-0.03	-6.15e-05	0.0	235.3	0.55	-27.03	-0.02	0.0	-0.03	0.0
214	52	20.38	9.79e-05	1.07e-03	-64.29	0.0	0.20	30.90	-6.18e-05	0.0	9.79e-05	2.93
		0.0	-4.76e-05	-3.16e-05	0.0	235.3	0.20	-33.39	-6.18e-05	0.0	-4.76e-05	0.0
214	69	6.57	1.16e-04	4.26e-04	-17.13	0.0	-0.94	7.35	-5.93e-05	0.0	1.16e-04	2.85
		0.0	-2.39e-05	-1.16e-05	0.0	235.3	-0.94	-9.78	-5.93e-05	0.0	-2.39e-05	0.0
214	92	16.12	-2.29e-05	8.12e-04	-52.85	0.0	1.67	25.94	1.88e-06	0.0	-2.73e-05	1.14
		0.0	-2.73e-05	-2.40e-05	0.0	235.3	1.67	-26.91	1.88e-06	0.0	-2.29e-05	0.0
214	95	12.82	3.10e-06	5.90e-04	-43.82	0.0	1.23	21.97	-1.04e-05	0.0	3.10e-06	-0.14
		-0.14	-2.13e-05	-1.85e-05	0.0	235.3	1.23	-21.85	-1.04e-05	0.0	-2.13e-05	0.0
214	113	17.14	5.09e-03	1.12e-03	-34.07	0.0	2.33	11.77	-4.12e-03	0.0	5.09e-03	12.39
		0.0	-4.90e-03	-6.32e-04	0.0	235.3	2.33	-22.30	-4.12e-03	0.0	-4.90e-03	0.0
214	116	5.47	4.85e-03	-3.00e-04	-34.07	0.0	-1.27	21.49	4.07e-03	0.0	-5.02e-03	-10.48
		-10.48	-5.02e-03	6.01e-04	0.0	235.3	-1.27	-12.58	4.07e-03	0.0	4.85e-03	0.0
214	129	24.83	5.09e-03	1.65e-03	-34.07	0.0	-5.43	7.24	-3.15e-03	0.0	5.09e-03	23.05
		0.0	-2.56e-03	-6.72e-04	0.0	235.3	-5.43	-26.83	-3.15e-03	0.0	-2.56e-03	0.0
214	130	3.03	-1.99e-04	-4.78e-04	-34.07	0.0	8.86	24.67	1.02e-03	0.0	-2.68e-03	-17.97
		-17.97	-2.68e-03	3.64e-04	0.0	235.3	8.86	-9.40	1.02e-03	0.0	-1.99e-04	0.0
214	131	22.43	2.76e-03	1.49e-03	-34.07	0.0	-7.80	8.59	-1.07e-03	0.0	2.76e-03	19.88
		0.0	1.58e-04	-3.95e-04	0.0	235.3	-7.80	-25.48	-1.07e-03	0.0	1.58e-04	0.0
214	132	2.23	2.51e-03	-5.98e-04	-34.07	0.0	6.49	26.02	3.10e-03	0.0	-5.02e-03	-21.14
		-21.14	-5.02e-03	6.40e-04	0.0	235.3	6.49	-8.05	3.10e-03	0.0	2.51e-03	0.0
214	161	27.22	5.73e-03	1.80e-03	-34.07	0.0	-6.24	6.00	-3.54e-03	0.0	5.73e-03	25.99
		0.0	-2.88e-03	-7.60e-04	0.0	235.3	-6.24	-28.08	-3.54e-03	0.0	-2.88e-03	0.0
214	162	2.39	-2.12e-04	-5.68e-04	-34.07	0.0	9.95	25.74	1.16e-03	0.0	-3.04e-03	-20.49
		-20.49	-3.04e-03	4.17e-04	0.0	235.3	9.95	-8.33	1.16e-03	0.0	-2.12e-04	0.0
214	163	24.32	3.11e-03	1.61e-03	-34.07	0.0	-8.89	7.52	-1.21e-03	0.0	3.11e-03	22.40
		0.0	1.71e-04	-4.49e-04	0.0	235.3	-8.89	-26.55	-1.21e-03	0.0	1.71e-04	0.0
214	164	1.59	2.83e-03	-7.35e-04	-34.07	0.0	7.30	27.27	3.50e-03	0.0	-5.66e-03	-24.08
		-24.08	-5.66e-03	7.29e-04	0.0	235.3	7.30	-6.81	3.50e-03	0.0	2.83e-03	0.0
214	193	27.99	5.77e-03	1.85e-03	-34.07	0.0	-6.57	5.59	-3.57e-03	0.0	5.77e-03	26.93
		0.0	-2.88e-03	-7.97e-04	0.0	235.3	-6.57	-28.48	-3.57e-03	0.0	-2.88e-03	0.0
214	194	2.19	-1.59e-04	-6.02e-04	-34.07	0.0	10.21	26.10	1.22e-03	0.0	-3.13e-03	-21.32
		-21.32	-3.13e-03	4.54e-04	0.0	235.3	10.21	-7.98	1.22e-03	0.0	-1.59e-04	0.0
214	195	24.98	3.20e-03	1.66e-03	-34.07	0.0	-9.16	7.17	-1.27e-03	0.0	3.20e-03	23.23
		0.0	1.18e-04	-4.86e-04	0.0	235.3	-9.16	-26.91	-1.27e-03	0.0	1.18e-04	0.0
214	196	1.42	2.84e-03	-7.83e-04	-34.07	0.0	7.63	27.67	3.52e-03	0.0	-5.70e-03	-25.02
		-25.02	-5.70e-03	7.65e-04	0.0	235.3	7.63	-6.40	3.52e-03	0.0	2.84e-03	0.0
214	225	32.61	6.86e-03	2.12e-03	-34.07	0.0	-8.07	3.33	-4.24e-03	0.0	6.86e-03	32.25
		0.0	-3.40e-03	-9.64e-04	0.0	235.3	-8.07	-30.74	-4.24e-03	0.0	-3.40e-03	0.0
214	226	1.25	-1.41e-04	-8.23e-04	-34.07	0.0	12.14	28.05	1.50e-03	0.0	-3.79e-03	-25.91
		-25.91	-3.79e-03	5.68e-04	0.0	235.3	12.14	-6.03	1.50e-03	0.0	-1.41e-04	0.0
214	227	28.73	3.86e-03	1.89e-03	-34.07	0.0	-11.08	5.22	-1.55e-03	0.0	3.86e-03	27.82
		0.0	9.97e-05	-5.99e-04	0.0	235.3	-11.08	-28.86	-1.55e-03	0.0	9.97e-05	0.0
214	228	0.59	3.36e-03	-1.05e-03	-34.07	0.0	9.13	29.93	4.20e-03	0.0	-6.79e-03	-30.34
		-30.34	-6.79e-03	9.33e-04	0.0	235.3	9.13	-4.14	4.20e-03	0.0	3.36e-03	0.0
214	249	6.37	0.01	3.81e-04	-18.82	0.0	0.69	8.72	6.61e-03	0.0	-4.39e-03	1.63
		0.0	-4.39e-03	2.09e-06	0.0	235.3	0.69	-10.10	6.61e-03	0.0	0.01	0.0
214	257	6.76	5.23e-03	4.32e-04	-18.82	0.0	0.70	8.43	-7.93e-03	0.0	5.23e-03	2.32
		0.0	-0.01	-2.67e-05	0.0	235.3	0.70	-10.40	-7.93e-03	0.0	-0.01	0.0
214	263	11.30	8.81e-03	5.72e-04	-36.62	0.0	0.41	17.86	-0.01	0.0	8.81e-03	1.06
		0.0	-0.02	-4.19e-05	0.0	235.3	0.41	-18.76	-0.01	0.0	-0.02	0.0
214	268	14.05	6.83e-05	7.44e-04	-44.24	0.0	0.17	21.24	-4.30e-05	0.0	6.83e-05	2.06
		0.0	-3.28e-05	-2.20e-05	0.0	235.3	0.17	-23.00	-4.30e-05	0.0	-3.28e-05	0.0
214	273	6.76	8.09e-05	4.17e-04	-18.82	0.0	-0.45	8.42	-4.25e-05	0.0	8.09e-05	2.33
		0.0	-1.92e-05	-1.12e-05	0.0	235.3	-0.45	-10.40	-4.25e-05	0.0	-1.92e-05	0.0
214	288	11.21	-1.52e-05	5.68e-04	-36.62	0.0	1.15	17.94	0.0	0.0	-1.52e-05	0.87
		0.0	-1.64e-05	-1.69e-05	0.0	235.3	1.15	-18.68	0.0	0.0	-1.64e-05	0.0
214	298	11.23	3.90e-05	5.63e-04	-36.62	0.0	0.54	17.92	-2.61e-05	0.0	3.90e-05	0.92
		0.0	-2.24e-05	-1.67e-05	0.0	235.3	0.54	-18.70	-2.61e-05	0.0	-2.24e-05	0.0
214	299	6.22	6.10e-06	3.60e-04	-18.82	0.0	0.53	8.83	-6.37e-06	0.0	6.10e-06	1.37
		0.0	-8.89e-06	-9.86e-06	0.0	235.3	0.53	-10.00	-6.37e-06	0.0	-8.89e-06	0.0
214	301	10.61	2.71e-05	5.49e-04	-34.07	0.0	0.59	16.54	-2.01e-05	0.0	2.71e-05	1.17
		0.0	-2.01e-05	-1.61e-05	0.0	235.3	0.59	-17.53	-2.01e-05	0.0	-2.01e-05	0.0
214	302	6.11	2.23e-03	3.42e-04	-18.82	0.0	0.48	8.93	1.31e-03	0.0	-8.62e-04	1.14
		0.0	-8.62e-04	-6.92e-06	0.0	235.3	0.48	-9.90	1.31e-03	0.0	2.23e-03	0.0
214	305	10.51	1.79e-03	5.34e-04	-34.07	0.0	0.50	16.62	-2.67e-03	0.0	1.79e-03	0.98
		0.0	-4.49e-03	-2.07e-05	0.0	235.3	0.50	-17.45	-2.67e-03	0.0	-4.49e-03	0.0
214	306	6.23	2.78e-05	3.58e-04	-18.82	0.0	0.29	8.82	-1.66e-05	0.0	2.78e-05	1.39
		0.0	-1.13e-05	-9.80e-06	0.0	235.3	0.29	-10.00	-1.66e-05	0.0	-1.13e-05	0.0
214	309	6.12	1.45e-05	3.43e-04	-18.82	0.0	0.47	8.92	-1.01e-05	0.0	1.45e-05	1.16
		0.0	-9.33e-06	-9.44e-06	0.0	235.3	0.47	-9.90	-1.01e-05	0.0	-9.33e-06	0.0
214	310	10.50	3.55e-05	5.32e-04	-34.07	0.0	0.53	16.63	-2.38e-05	0.0	3.55e-05	0.95
		0.0	-2.06e-05	-1.57e-05	0.0	235.3	0.53	-17.44	-2.38e-05	0.0	-2.06e-05	0.0

215	19	0.49	0.02	1.82e-04	-1.31	0.0	9.78e-03	0.66	4.76e-03	0.0	1.14e-03	0.0
		0.0	1.14e-03	1.85e-05	0.0	298.5	9.78e-03	-0.66	4.76e-03	0.0	0.02	0.0
215	20	0.49	0.02	2.24e-04	-1.31	0.0	-0.15	0.66	4.77e-03	0.0	1.14e-03	0.0
		0.0	1.14e-03	1.86e-05	0.0	298.5	-0.15	-0.66	4.77e-03	0.0	0.02	0.0
215	43	0.64	-2.14e-03	4.82e-04	-1.70	0.0	-1.12	0.85	-9.90e-03	0.0	-2.14e-03	0.0
		0.0	-0.03	-5.34e-05	0.0	298.5	-1.12	-0.85	-9.90e-03	0.0	-0.03	0.0
215	44	0.64	-2.13e-03	5.24e-04	-1.70	0.0	-1.28	0.85	-9.89e-03	0.0	-2.13e-03	0.0
		0.0	-0.03	-5.32e-05	0.0	298.5	-1.28	-0.85	-9.89e-03	0.0	-0.03	0.0
215	59	0.64	1.46e-04	6.70e-04	-1.70	0.0	-0.93	0.85	-2.36e-04	0.0	1.46e-04	0.0
		0.0	-5.58e-04	-6.56e-06	0.0	298.5	-0.93	-0.85	-2.36e-04	0.0	-5.58e-04	0.0
215	73	0.64	1.38e-05	2.24e-04	-1.70	0.0	-0.39	0.85	-9.27e-05	0.0	1.38e-05	0.0
		0.0	-2.63e-04	-5.63e-06	0.0	298.5	-0.39	-0.85	-9.27e-05	0.0	-2.63e-04	0.0
215	114	0.49	-5.15e-03	3.48e-04	-1.31	0.0	6.37	0.66	4.11e-04	0.0	-5.42e-03	0.0
		0.0	-5.42e-03	-6.91e-04	0.0	298.5	6.37	-0.66	4.11e-04	0.0	-5.15e-03	0.0
215	115	0.49	5.52e-03	2.81e-04	-1.31	0.0	-7.12	0.66	-7.14e-04	0.0	5.52e-03	0.0
		0.0	4.35e-03	6.78e-04	0.0	298.5	-7.12	-0.66	-7.14e-04	0.0	4.35e-03	0.0
215	122	0.49	-4.94e-03	-1.01e-04	-1.31	0.0	6.13	0.66	-7.83e-04	0.0	-4.94e-03	0.0
		0.0	-7.24e-03	5.88e-05	0.0	298.5	6.13	-0.66	-7.83e-04	0.0	-7.24e-03	0.0
215	123	0.49	6.44e-03	7.30e-04	-1.31	0.0	-6.89	0.66	4.80e-04	0.0	5.05e-03	0.0
		0.0	5.05e-03	-7.23e-05	0.0	298.5	-6.89	-0.66	4.80e-04	0.0	6.44e-03	0.0
215	138	0.49	-2.72e-03	-1.20e-03	-1.31	0.0	0.68	0.66	4.74e-04	0.0	-3.64e-03	0.0
		0.0	-3.64e-03	-2.56e-04	0.0	298.5	0.68	-0.66	4.74e-04	0.0	-2.72e-03	0.0
215	146	0.49	-5.73e-03	3.51e-04	-1.31	0.0	7.19	0.66	4.79e-04	0.0	-6.10e-03	0.0
		0.0	-6.10e-03	-7.77e-04	0.0	298.5	7.19	-0.66	4.79e-04	0.0	-5.73e-03	0.0
215	147	0.49	6.20e-03	2.78e-04	-1.31	0.0	-7.95	0.66	-7.82e-04	0.0	6.20e-03	0.0
		0.0	4.93e-03	7.64e-04	0.0	298.5	-7.95	-0.66	-7.82e-04	0.0	4.93e-03	0.0
215	154	0.49	-5.57e-03	-1.57e-04	-1.31	0.0	6.94	0.66	-8.57e-04	0.0	-5.57e-03	0.0
		0.0	-8.09e-03	6.65e-05	0.0	298.5	6.94	-0.66	-8.57e-04	0.0	-8.09e-03	0.0
215	155	0.49	7.29e-03	7.86e-04	-1.31	0.0	-7.70	0.66	5.54e-04	0.0	5.67e-03	0.0
		0.0	5.67e-03	-8.00e-05	0.0	298.5	-7.70	-0.66	5.54e-04	0.0	7.29e-03	0.0
215	170	0.49	-3.00e-03	-1.39e-03	-1.31	0.0	0.81	0.66	5.54e-04	0.0	-4.10e-03	0.0
		0.0	-4.10e-03	-2.89e-04	0.0	298.5	0.81	-0.66	5.54e-04	0.0	-3.00e-03	0.0
215	178	0.49	-5.61e-03	3.41e-04	-1.31	0.0	7.05	0.66	4.56e-04	0.0	-6.01e-03	0.0
		0.0	-6.01e-03	-7.78e-04	0.0	298.5	7.05	-0.66	4.56e-04	0.0	-5.61e-03	0.0
215	179	0.49	6.11e-03	2.88e-04	-1.31	0.0	-7.81	0.66	-7.59e-04	0.0	6.11e-03	0.0
		0.0	4.81e-03	7.65e-04	0.0	298.5	-7.81	-0.66	-7.59e-04	0.0	4.81e-03	0.0
215	186	0.49	-5.52e-03	-1.81e-04	-1.31	0.0	6.83	0.66	-8.12e-04	0.0	-5.52e-03	0.0
		0.0	-7.95e-03	6.30e-05	0.0	298.5	6.83	-0.66	-8.12e-04	0.0	-7.95e-03	0.0
215	187	0.49	7.15e-03	8.10e-04	-1.31	0.0	-7.58	0.66	5.10e-04	0.0	5.63e-03	0.0
		0.0	5.63e-03	-7.65e-05	0.0	298.5	-7.58	-0.66	5.10e-04	0.0	7.15e-03	0.0
215	202	0.49	-2.95e-03	-1.44e-03	-1.31	0.0	0.78	0.66	5.57e-04	0.0	-4.12e-03	0.0
		0.0	-4.12e-03	-3.10e-04	0.0	298.5	0.78	-0.66	5.57e-04	0.0	-2.95e-03	0.0
215	210	0.49	-6.47e-03	3.37e-04	-1.31	0.0	8.29	0.66	5.65e-04	0.0	-7.04e-03	0.0
		0.0	-7.04e-03	-9.11e-04	0.0	298.5	8.29	-0.66	5.65e-04	0.0	-6.47e-03	0.0
215	211	0.49	7.14e-03	2.92e-04	-1.31	0.0	-9.04	0.66	-8.68e-04	0.0	7.14e-03	0.0
		0.0	5.67e-03	8.97e-04	0.0	298.5	-9.04	-0.66	-8.68e-04	0.0	5.67e-03	0.0
215	218	0.49	-6.47e-03	-2.86e-04	-1.31	0.0	8.01	0.66	-9.06e-04	0.0	-6.47e-03	0.0
		0.0	-9.17e-03	7.50e-05	0.0	298.5	8.01	-0.66	-9.06e-04	0.0	-9.17e-03	0.0
215	219	0.49	8.37e-03	9.15e-04	-1.31	0.0	-8.76	0.66	6.04e-04	0.0	6.57e-03	0.0
		0.0	6.57e-03	-8.85e-05	0.0	298.5	-8.76	-0.66	6.04e-04	0.0	8.37e-03	0.0
215	234	0.49	-3.37e-03	-1.78e-03	-1.31	0.0	0.96	0.66	6.89e-04	0.0	-4.85e-03	0.0
		0.0	-4.85e-03	-3.72e-04	0.0	298.5	0.96	-0.66	6.89e-04	0.0	-3.37e-03	0.0
215	248	0.49	0.01	2.00e-04	-1.31	0.0	-0.11	0.66	3.15e-03	0.0	7.68e-04	0.0
		0.0	7.68e-04	1.13e-05	0.0	298.5	-0.11	-0.66	3.15e-03	0.0	0.01	0.0
215	249	0.49	0.01	2.28e-04	-1.31	0.0	-0.22	0.66	3.15e-03	0.0	7.74e-04	0.0
		0.0	7.74e-04	1.14e-05	0.0	298.5	-0.22	-0.66	3.15e-03	0.0	0.01	0.0
215	263	0.49	-1.43e-03	3.37e-04	-1.31	0.0	-0.77	0.66	-6.60e-03	0.0	-1.43e-03	0.0
		0.0	-0.02	-3.60e-05	0.0	298.5	-0.77	-0.66	-6.60e-03	0.0	-0.02	0.0
215	264	0.49	-1.42e-03	3.65e-04	-1.31	0.0	-0.88	0.66	-6.60e-03	0.0	-1.42e-03	0.0
		0.0	-0.02	-3.59e-05	0.0	298.5	-0.88	-0.66	-6.60e-03	0.0	-0.02	0.0
215	271	0.49	9.89e-05	4.62e-04	-1.31	0.0	-0.64	0.66	-1.62e-04	0.0	9.89e-05	0.0
		0.0	-3.85e-04	-4.78e-06	0.0	298.5	-0.64	-0.66	-1.62e-04	0.0	-3.85e-04	0.0
215	285	0.49	0.0	1.40e-04	-1.31	0.0	-0.27	0.66	-6.30e-05	0.0	0.0	0.0
		0.0	-1.88e-04	-4.95e-06	0.0	298.5	-0.27	-0.66	-6.30e-05	0.0	-1.88e-04	0.0
215	297	0.49	2.64e-05	2.02e-04	-1.31	0.0	-0.30	0.66	-7.23e-05	0.0	2.64e-05	0.0
		0.0	-1.89e-04	-2.98e-06	0.0	298.5	-0.30	-0.66	-7.23e-05	0.0	-1.89e-04	0.0
215	301	0.49	5.41e-05	3.26e-04	-1.31	0.0	-0.42	0.66	-1.49e-04	0.0	5.41e-05	0.0
		0.0	-3.90e-04	-6.70e-06	0.0	298.5	-0.42	-0.66	-1.49e-04	0.0	-3.90e-04	0.0
215	302	0.49	1.88e-03	2.01e-04	-1.31	0.0	-0.27	0.66	5.71e-04	0.0	1.75e-04	0.0
		0.0	1.75e-04	0.0	0.0	298.5	-0.27	-0.66	5.71e-04	0.0	1.88e-03	0.0
215	305	0.49	-2.45e-04	3.15e-04	-1.31	0.0	-0.45	0.66	-1.44e-03	0.0	-2.45e-04	0.0
		0.0	-4.54e-03	-1.25e-05	0.0	298.5	-0.45	-0.66	-1.44e-03	0.0	-4.54e-03	0.0
215	309	0.49	2.64e-05	2.02e-04	-1.31	0.0	-0.30	0.66	-7.23e-05	0.0	2.64e-05	0.0
		0.0	-1.89e-04	-2.98e-06	0.0	298.5	-0.30	-0.66	-7.23e-05	0.0	-1.89e-04	0.0
215	310	0.49	5.17e-05	3.14e-04	-1.31	0.0	-0.38	0.66	-1.51e-04	0.0	5.17e-05	0.0

		0.0	-4.00e-04	-6.75e-06	0.0	298.5	-0.38	-0.66	-1.51e-04	0.0	-4.00e-04	0.0
216	19	0.86	-6.48e-03	-1.26e-05	-0.73	0.0	0.33	17.48	-0.06	0.0	-6.48e-03	0.0
		0.0	-9.67e-03	0.0	0.0	5.0	0.33	16.76	-0.06	0.0	-9.67e-03	0.86
216	27	3.27	0.05	-4.38e-05	-2.73	0.0	2.19	66.70	0.25	0.0	0.04	0.0
		0.0	0.04	0.0	0.0	5.0	2.19	63.97	0.25	0.0	0.05	3.27
216	28	3.27	0.05	-4.40e-05	-2.73	0.0	2.39	66.68	0.25	0.0	0.04	0.0
		0.0	0.04	0.0	0.0	5.0	2.39	63.95	0.25	0.0	0.05	3.27
216	41	1.36	0.05	-1.77e-05	-1.11	0.0	1.52	27.70	0.28	0.0	0.04	0.0
		0.0	0.04	0.0	0.0	5.0	1.52	26.58	0.28	0.0	0.05	1.36
216	44	2.70	0.06	-3.60e-05	-2.25	0.0	2.35	55.15	0.32	0.0	0.05	0.0
		0.0	0.05	0.0	0.0	5.0	2.35	52.90	0.32	0.0	0.06	2.70
216	69	0.84	0.04	-1.66e-05	-0.73	0.0	-0.03	17.26	0.15	0.0	0.03	0.0
		0.0	0.03	0.0	0.0	5.0	-0.03	16.53	0.15	0.0	0.04	0.84
216	114	1.61	-0.23	-1.89e-05	-1.45	0.0	-12.97	32.83	0.30	0.0	-0.23	0.0
		0.0	-0.25	-5.18e-06	0.0	5.0	-12.97	31.38	0.30	0.0	-0.25	1.61
216	115	1.84	0.28	-2.84e-05	-1.45	0.0	15.05	37.59	-0.16	0.0	0.25	0.0
		0.0	0.25	4.79e-06	0.0	5.0	15.05	36.15	-0.16	0.0	0.28	1.84
216	141	1.45	0.18	-6.98e-05	-1.45	0.0	-8.17	29.70	0.99	0.0	0.13	0.0
		0.0	0.13	1.01e-06	0.0	5.0	-8.17	28.25	0.99	0.0	0.18	1.45
216	142	1.88	-0.24	1.73e-05	-1.45	0.0	5.16	38.34	-0.66	0.0	-0.24	0.0
		0.0	-0.27	0.0	0.0	5.0	5.16	36.89	-0.66	0.0	-0.27	1.88
216	143	1.57	0.30	-6.46e-05	-1.45	0.0	-3.08	32.09	0.80	0.0	0.26	0.0
		0.0	0.26	0.0	0.0	5.0	-3.08	30.64	0.80	0.0	0.30	1.57
216	144	2.00	-0.11	2.25e-05	-1.45	0.0	10.24	40.73	-0.84	0.0	-0.11	0.0
		0.0	-0.15	-1.40e-06	0.0	5.0	10.24	39.28	-0.84	0.0	-0.15	2.00
216	146	1.59	-0.26	-1.83e-05	-1.45	0.0	-14.69	32.54	0.32	0.0	-0.26	0.0
		0.0	-0.28	-5.82e-06	0.0	5.0	-14.69	31.09	0.32	0.0	-0.28	1.59
216	147	1.86	0.31	-2.90e-05	-1.45	0.0	16.77	37.88	-0.18	0.0	0.28	0.0
		0.0	0.28	5.44e-06	0.0	5.0	16.77	36.44	-0.18	0.0	0.31	1.86
216	173	1.41	0.20	-7.58e-05	-1.45	0.0	-9.30	28.98	1.10	0.0	0.15	0.0
		0.0	0.15	1.19e-06	0.0	5.0	-9.30	27.53	1.10	0.0	0.20	1.41
216	174	1.90	-0.27	2.27e-05	-1.45	0.0	5.67	38.76	-0.76	0.0	-0.27	0.0
		0.0	-0.31	0.0	0.0	5.0	5.67	37.31	-0.76	0.0	-0.31	1.90
216	175	1.55	0.34	-7.00e-05	-1.45	0.0	-3.59	31.66	0.90	0.0	0.29	0.0
		0.0	0.29	0.0	0.0	5.0	-3.59	30.22	0.90	0.0	0.34	1.55
216	176	2.04	-0.13	2.85e-05	-1.45	0.0	11.38	41.45	-0.96	0.0	-0.13	0.0
		0.0	-0.17	-1.58e-06	0.0	5.0	11.38	40.00	-0.96	0.0	-0.17	2.04
216	178	1.59	-0.25	-1.83e-05	-1.45	0.0	-14.39	32.61	0.29	0.0	-0.25	0.0
		0.0	-0.28	-5.94e-06	0.0	5.0	-14.39	31.16	0.29	0.0	-0.28	1.59
216	179	1.85	0.30	-2.90e-05	-1.45	0.0	16.47	37.82	-0.15	0.0	0.28	0.0
		0.0	0.28	5.56e-06	0.0	5.0	16.47	36.37	-0.15	0.0	0.30	1.85
216	205	1.41	0.20	-7.72e-05	-1.45	0.0	-9.09	28.85	1.11	0.0	0.15	0.0
		0.0	0.15	1.40e-06	0.0	5.0	-9.09	27.40	1.11	0.0	0.20	1.41
216	206	1.91	-0.27	2.41e-05	-1.45	0.0	5.62	38.93	-0.79	0.0	-0.27	0.0
		0.0	-0.31	0.0	0.0	5.0	5.62	37.48	-0.79	0.0	-0.31	1.91
216	207	1.54	0.34	-7.14e-05	-1.45	0.0	-3.54	31.50	0.93	0.0	0.29	0.0
		0.0	0.29	0.0	0.0	5.0	-3.54	30.05	0.93	0.0	0.34	1.54
216	208	2.04	-0.13	2.99e-05	-1.45	0.0	11.17	41.57	-0.97	0.0	-0.13	0.0
		0.0	-0.17	-1.79e-06	0.0	5.0	11.17	40.12	-0.97	0.0	-0.17	2.04
216	210	1.57	-0.30	-1.73e-05	-1.45	0.0	-16.99	32.20	0.31	0.0	-0.30	0.0
		0.0	-0.32	-7.02e-06	0.0	5.0	-16.99	30.75	0.31	0.0	-0.32	1.57
216	211	1.88	0.35	-3.00e-05	-1.45	0.0	19.06	38.23	-0.17	0.0	0.32	0.0
		0.0	0.32	6.64e-06	0.0	5.0	19.06	36.78	-0.17	0.0	0.35	1.88
216	237	1.35	0.24	-8.73e-05	-1.45	0.0	-10.86	27.67	1.31	0.0	0.18	0.0
		0.0	0.18	1.79e-06	0.0	5.0	-10.86	26.23	1.31	0.0	0.24	1.35
216	238	1.95	-0.32	3.32e-05	-1.45	0.0	6.49	39.68	-0.96	0.0	-0.32	0.0
		0.0	-0.37	-1.14e-06	0.0	5.0	6.49	38.23	-0.96	0.0	-0.37	1.95
216	239	1.50	0.40	-8.05e-05	-1.45	0.0	-4.42	30.75	1.10	0.0	0.34	0.0
		0.0	0.34	0.0	0.0	5.0	-4.42	29.30	1.10	0.0	0.40	1.50
216	240	2.10	-0.16	4.00e-05	-1.45	0.0	12.93	42.75	-1.17	0.0	-0.16	0.0
		0.0	-0.21	-2.17e-06	0.0	5.0	12.93	41.30	-1.17	0.0	-0.21	2.10
216	248	0.95	-1.37e-03	-1.36e-05	-0.80	0.0	0.48	19.33	-0.02	0.0	-1.37e-03	0.0
		0.0	-2.55e-03	0.0	0.0	5.0	0.48	18.53	-0.02	0.0	-2.55e-03	0.95
216	255	2.25	0.03	-3.02e-05	-1.88	0.0	1.52	45.91	0.17	0.0	0.02	0.0
		0.0	0.02	0.0	0.0	5.0	1.52	44.03	0.17	0.0	0.03	2.25
216	256	2.25	0.03	-3.04e-05	-1.88	0.0	1.65	45.90	0.17	0.0	0.03	0.0
		0.0	0.03	0.0	0.0	5.0	1.65	44.02	0.17	0.0	0.03	2.25
216	261	0.98	0.04	-1.28e-05	-0.80	0.0	1.07	19.90	0.19	0.0	0.03	0.0
		0.0	0.03	0.0	0.0	5.0	1.07	19.10	0.19	0.0	0.04	0.98
216	264	1.87	0.04	-2.50e-05	-1.56	0.0	1.63	38.20	0.22	0.0	0.03	0.0
		0.0	0.03	0.0	0.0	5.0	1.63	36.65	0.22	0.0	0.04	1.87
216	273	0.94	0.03	-1.63e-05	-0.80	0.0	0.24	19.17	0.12	0.0	0.03	0.0
		0.0	0.03	0.0	0.0	5.0	0.24	18.37	0.12	0.0	0.03	0.94
216	298	1.85	0.02	-2.54e-05	-1.56	0.0	1.10	37.83	0.08	0.0	0.01	0.0
		0.0	0.01	0.0	0.0	5.0	1.10	36.27	0.08	0.0	0.02	1.85

216	304	0.96	0.02	-1.33e-05	-0.80	0.0	0.75	19.60	0.08	0.0	0.01	0.0
		0.0	0.01	0.0	0.0	5.0	0.75	18.80	0.08	0.0	0.02	0.96
216	305	1.73	0.02	-2.35e-05	-1.45	0.0	1.12	35.29	0.10	0.0	0.01	0.0
		0.0	0.01	0.0	0.0	5.0	1.12	33.84	0.10	0.0	0.02	1.73
216	306	0.95	0.01	-1.40e-05	-0.80	0.0	0.59	19.45	0.06	0.0	0.01	0.0
		0.0	0.01	0.0	0.0	5.0	0.59	18.65	0.06	0.0	0.01	0.95
216	308	0.96	7.86e-03	-1.31e-05	-0.80	0.0	0.72	19.55	0.04	0.0	5.77e-03	0.0
		0.0	5.77e-03	0.0	0.0	5.0	0.72	18.75	0.04	0.0	7.86e-03	0.96
216	309	0.96	0.01	-1.34e-05	-0.80	0.0	0.68	19.52	0.05	0.0	7.60e-03	0.0
		0.0	7.60e-03	0.0	0.0	5.0	0.68	18.72	0.05	0.0	0.01	0.96
216	310	1.72	0.01	-2.37e-05	-1.45	0.0	1.04	35.21	0.07	0.0	0.01	0.0
		0.0	0.01	0.0	0.0	5.0	1.04	33.76	0.07	0.0	0.01	1.72
217	3	0.0	6.23e-03	-1.19e-05	-2.73	0.0	4.07e-03	-59.39	0.11	0.0	8.26e-04	0.0
		-3.04	8.26e-04	0.0	0.0	5.0	4.07e-03	-62.12	0.11	0.0	6.23e-03	-3.04
217	19	0.0	1.54e-03	-3.16e-06	-0.73	0.0	6.52e-04	-15.86	-0.76	0.0	1.54e-03	0.0
		-0.81	-0.04	0.0	0.0	5.0	6.52e-04	-16.59	-0.76	0.0	-0.04	-0.81
217	44	0.0	0.13	-1.14e-05	-2.25	0.0	6.59e-03	-48.20	2.58	0.0	-3.42e-03	0.0
		-2.47	-3.42e-03	-2.42e-06	0.0	5.0	6.59e-03	-50.45	2.58	0.0	0.13	-2.47
217	69	0.0	-0.02	-3.45e-06	-0.73	0.0	-1.61	-15.86	0.14	0.0	-0.03	0.0
		-0.81	-0.03	0.0	0.0	5.0	-1.61	-16.58	0.14	0.0	-0.02	-0.81
217	92	0.0	0.04	-1.08e-05	-2.25	0.0	0.81	-48.45	0.65	0.0	0.01	0.0
		-2.48	0.01	0.0	0.0	5.0	0.81	-50.70	0.65	0.0	0.04	-2.48
217	93	0.0	0.03	-3.53e-06	-0.73	0.0	0.81	-15.62	0.28	0.0	0.01	0.0
		-0.80	0.01	0.0	0.0	5.0	0.81	-16.35	0.28	0.0	0.03	-0.80
217	113	0.0	0.06	1.30e-06	-1.45	0.0	-0.06	-34.58	-24.56	0.0	0.06	0.0
		-1.76	-1.17	7.77e-06	0.0	5.0	-0.06	-36.02	-24.56	0.0	-1.17	-1.76
217	115	0.0	0.99	-1.27e-05	-1.45	0.0	0.01	-29.27	20.88	0.0	-0.05	0.0
		-1.50	-0.05	-1.01e-05	0.0	5.0	0.01	-30.72	20.88	0.0	0.99	-1.50
217	116	0.0	1.20	-1.44e-05	-1.45	0.0	0.06	-28.18	25.34	0.0	-0.06	0.0
		-1.45	-0.06	-8.58e-06	0.0	5.0	0.06	-29.62	25.34	0.0	1.20	-1.45
217	137	0.0	0.03	-2.83e-06	-1.45	0.0	-0.11	-33.80	-10.35	0.0	0.03	0.0
		-1.73	-0.49	1.83e-06	0.0	5.0	-0.11	-35.24	-10.35	0.0	-0.49	-1.73
217	140	0.0	0.53	-1.02e-05	-1.45	0.0	0.12	-28.96	11.14	0.0	-0.03	0.0
		-1.48	-0.03	-2.65e-06	0.0	5.0	0.12	-30.40	11.14	0.0	0.53	-1.48
217	145	0.0	0.07	2.28e-06	-1.45	0.0	-0.07	-34.98	-27.65	0.0	0.07	0.0
		-1.79	-1.31	8.76e-06	0.0	5.0	-0.07	-36.43	-27.65	0.0	-1.31	-1.79
217	147	0.0	1.11	-1.35e-05	-1.45	0.0	0.01	-29.01	23.38	0.0	-0.06	0.0
		-1.49	-0.06	-1.13e-05	0.0	5.0	0.01	-30.46	23.38	0.0	1.11	-1.49
217	148	0.0	1.35	-1.54e-05	-1.45	0.0	0.07	-27.77	28.43	0.0	-0.07	0.0
		-1.42	-0.07	-9.57e-06	0.0	5.0	0.07	-29.22	28.43	0.0	1.35	-1.42
217	169	0.0	0.03	-2.36e-06	-1.45	0.0	-0.13	-34.11	-11.70	0.0	0.03	0.0
		-1.74	-0.56	2.10e-06	0.0	5.0	-0.13	-35.56	-11.70	0.0	-0.56	-1.74
217	172	0.0	0.60	-1.07e-05	-1.45	0.0	0.13	-28.64	12.49	0.0	-0.03	0.0
		-1.47	-0.03	-2.91e-06	0.0	5.0	0.13	-30.09	12.49	0.0	0.60	-1.47
217	177	0.0	0.07	2.20e-06	-1.45	0.0	-0.07	-34.98	-27.32	0.0	0.07	0.0
		-1.79	-1.30	8.50e-06	0.0	5.0	-0.07	-36.42	-27.32	0.0	-1.30	-1.79
217	179	0.0	1.09	-1.33e-05	-1.45	0.0	0.01	-29.06	22.90	0.0	-0.06	0.0
		-1.49	-0.06	-1.12e-05	0.0	5.0	0.01	-30.51	22.90	0.0	1.09	-1.49
217	180	0.0	1.34	-1.53e-05	-1.45	0.0	0.07	-27.78	28.10	0.0	-0.07	0.0
		-1.43	-0.07	-9.32e-06	0.0	5.0	0.07	-29.22	28.10	0.0	1.34	-1.43
217	201	0.0	0.03	-2.35e-06	-1.45	0.0	-0.13	-34.16	-11.64	0.0	0.03	0.0
		-1.74	-0.55	2.02e-06	0.0	5.0	-0.13	-35.61	-11.64	0.0	-0.55	-1.74
217	204	0.0	0.59	-1.07e-05	-1.45	0.0	0.14	-28.59	12.42	0.0	-0.03	0.0
		-1.47	-0.03	-2.83e-06	0.0	5.0	0.14	-30.04	12.42	0.0	0.59	-1.47
217	209	0.0	0.08	3.71e-06	-1.45	0.0	-0.08	-35.61	-32.04	0.0	0.08	0.0
		-1.82	-1.52	9.91e-06	0.0	5.0	-0.08	-37.06	-32.04	0.0	-1.52	-1.82
217	211	0.0	1.26	-1.44e-05	-1.45	0.0	0.02	-28.69	26.57	0.0	-0.06	0.0
		-1.47	-0.06	-1.30e-05	0.0	5.0	0.02	-30.14	26.57	0.0	1.26	-1.47
217	212	0.0	1.56	-1.68e-05	-1.45	0.0	0.09	-27.14	32.83	0.0	-0.08	0.0
		-1.39	-0.08	-1.07e-05	0.0	5.0	0.09	-28.59	32.83	0.0	1.56	-1.39
217	233	0.0	0.03	-1.60e-06	-1.45	0.0	-0.16	-34.68	-13.73	0.0	0.03	0.0
		-1.77	-0.65	2.39e-06	0.0	5.0	-0.16	-36.12	-13.73	0.0	-0.65	-1.77
217	236	0.0	0.69	-1.15e-05	-1.45	0.0	0.16	-28.08	14.52	0.0	-0.03	0.0
		-1.44	-0.03	-3.20e-06	0.0	5.0	0.16	-29.52	14.52	0.0	0.69	-1.44
217	243	0.0	5.26e-03	-8.18e-06	-1.88	0.0	2.86e-03	-40.86	0.09	0.0	5.39e-04	0.0
		-2.09	5.39e-04	0.0	0.0	5.0	2.86e-03	-42.74	0.09	0.0	5.26e-03	-2.09
217	248	0.0	9.92e-04	-3.65e-06	-0.80	0.0	1.15e-03	-17.36	-0.42	0.0	9.92e-04	0.0
		-0.89	-0.02	0.0	0.0	5.0	1.15e-03	-18.16	-0.42	0.0	-0.02	-0.89
217	264	0.0	0.08	-7.89e-06	-1.56	0.0	4.54e-03	-33.40	1.74	0.0	-2.29e-03	0.0
		-1.71	-2.29e-03	-1.63e-06	0.0	5.0	4.54e-03	-34.96	1.74	0.0	0.08	-1.71
217	273	0.0	-7.66e-03	-3.84e-06	-0.80	0.0	-1.07	-17.35	0.18	0.0	-0.02	0.0
		-0.89	-0.02	0.0	0.0	5.0	-1.07	-18.15	0.18	0.0	-7.66e-03	-0.89
217	285	0.0	0.02	-3.89e-06	-0.80	0.0	0.54	-17.20	0.28	0.0	8.28e-03	0.0
		-0.88	8.28e-03	0.0	0.0	5.0	0.54	-18.00	0.28	0.0	0.02	-0.88
217	288	0.0	0.03	-7.45e-06	-1.56	0.0	0.54	-33.57	0.46	0.0	8.28e-03	0.0

		-1.72	8.28e-03	0.0	0.0	5.0	0.54	-35.12	0.46	0.0	0.03	-1.72
217	298	0.0	0.02	-6.98e-06	-1.56	0.0	2.86e-03	-33.73	0.42	0.0	-1.13e-04	0.0
		-1.73	-1.13e-04	0.0	0.0	5.0	2.86e-03	-35.29	0.42	0.0	0.02	-1.73
217	305	0.0	0.03	-6.63e-06	-1.45	0.0	3.00e-03	-31.33	0.66	0.0	-5.50e-04	0.0
		-1.60	-5.50e-04	0.0	0.0	5.0	3.00e-03	-32.78	0.66	0.0	0.03	-1.60
217	306	0.0	8.19e-03	-3.87e-06	-0.80	0.0	-0.21	-17.27	0.23	0.0	-3.46e-03	0.0
		-0.88	-3.46e-03	0.0	0.0	5.0	-0.21	-18.07	0.23	0.0	8.19e-03	-0.88
217	307	0.0	0.02	-6.53e-06	-1.45	0.0	-0.21	-31.40	0.38	0.0	-3.46e-03	0.0
		-1.61	-3.46e-03	0.0	0.0	5.0	-0.21	-32.84	0.38	0.0	0.02	-1.61
217	308	0.0	0.01	-3.88e-06	-0.80	0.0	0.11	-17.24	0.25	0.0	1.57e-03	0.0
		-0.88	1.57e-03	0.0	0.0	5.0	0.11	-18.04	0.25	0.0	0.01	-0.88
217	309	0.0	0.01	-3.88e-06	-0.80	0.0	1.86e-03	-17.25	0.25	0.0	-1.02e-04	0.0
		-0.88	-1.02e-04	0.0	0.0	5.0	1.86e-03	-18.05	0.25	0.0	0.01	-0.88
217	310	0.0	0.02	-6.54e-06	-1.45	0.0	2.71e-03	-31.38	0.39	0.0	-1.12e-04	0.0
		-1.61	-1.12e-04	0.0	0.0	5.0	2.71e-03	-32.82	0.39	0.0	0.02	-1.61
218	3	0.0	5.87e-03	-2.40e-05	-2.73	0.0	0.01	-55.86	0.09	0.0	1.49e-03	0.0
		-2.86	1.49e-03	0.0	0.0	5.0	0.01	-58.59	0.09	0.0	5.87e-03	-2.86
218	44	0.0	0.04	-2.34e-05	-2.25	0.0	0.02	-44.74	0.86	0.0	-1.59e-03	0.0
		-2.29	-1.59e-03	-1.94e-06	0.0	5.0	0.02	-46.99	0.86	0.0	0.04	-2.29
218	52	0.0	8.18e-03	-2.61e-05	-2.73	0.0	-1.01	-55.37	0.27	0.0	-5.07e-03	0.0
		-2.84	-5.07e-03	0.0	0.0	5.0	-1.01	-58.10	0.27	0.0	8.18e-03	-2.84
218	69	0.0	-9.56e-03	-7.21e-06	-0.73	0.0	-1.70	-14.75	-0.02	0.0	-9.56e-03	0.0
		-0.76	-0.01	0.0	0.0	5.0	-1.70	-15.48	-0.02	0.0	-0.01	-0.76
218	92	0.0	0.02	-2.23e-05	-2.25	0.0	0.86	-45.15	0.37	0.0	5.72e-03	0.0
		-2.31	5.72e-03	0.0	0.0	5.0	0.86	-47.40	0.37	0.0	0.02	-2.31
218	113	0.0	0.07	0.0	-1.45	0.0	-0.15	-34.27	-10.46	0.0	0.07	0.0
		-1.75	-0.45	-6.83e-06	0.0	5.0	-0.15	-35.72	-10.46	0.0	-0.45	-1.75
218	116	0.0	0.47	-2.75e-05	-1.45	0.0	0.16	-24.53	10.76	0.0	-0.07	0.0
		-1.26	-0.07	5.95e-06	0.0	5.0	0.16	-25.98	10.76	0.0	0.47	-1.26
218	124	0.0	0.37	-2.55e-05	-1.45	0.0	0.14	-24.89	8.78	0.0	-0.07	0.0
		-1.28	-0.07	-4.55e-06	0.0	5.0	0.14	-26.34	8.78	0.0	0.37	-1.28
218	137	0.0	9.96e-03	-6.60e-06	-1.45	0.0	-0.22	-32.61	-4.87	0.0	9.96e-03	0.0
		-1.67	-0.22	-6.01e-06	0.0	5.0	-0.22	-34.06	-4.87	0.0	-0.22	-1.67
218	140	0.0	0.24	-2.00e-05	-1.45	0.0	0.24	-26.19	5.17	0.0	-9.01e-03	0.0
		-1.35	-9.01e-03	5.13e-06	0.0	5.0	0.24	-27.64	5.17	0.0	0.24	-1.35
218	145	0.0	0.08	2.67e-06	-1.45	0.0	-0.17	-34.88	-11.78	0.0	0.08	0.0
		-1.78	-0.51	-7.67e-06	0.0	5.0	-0.17	-36.33	-11.78	0.0	-0.51	-1.78
218	148	0.0	0.53	-2.93e-05	-1.45	0.0	0.18	-23.92	12.08	0.0	-0.08	0.0
		-1.23	-0.08	6.79e-06	0.0	5.0	0.18	-25.37	12.08	0.0	0.53	-1.23
218	156	0.0	0.42	-2.70e-05	-1.45	0.0	0.16	-24.33	9.86	0.0	-0.07	0.0
		-1.25	-0.07	-5.03e-06	0.0	5.0	0.16	-25.78	9.86	0.0	0.42	-1.25
218	169	0.0	0.01	-5.75e-06	-1.45	0.0	-0.25	-33.03	-5.50	0.0	0.01	0.0
		-1.69	-0.25	-6.74e-06	0.0	5.0	-0.25	-34.47	-5.50	0.0	-0.25	-1.69
218	172	0.0	0.27	-2.09e-05	-1.45	0.0	0.27	-25.78	5.80	0.0	-0.01	0.0
		-1.32	-0.01	5.86e-06	0.0	5.0	0.27	-27.22	5.80	0.0	0.27	-1.32
218	177	0.0	0.08	2.53e-06	-1.45	0.0	-0.17	-34.87	-11.68	0.0	0.08	0.0
		-1.78	-0.51	-7.89e-06	0.0	5.0	-0.17	-36.31	-11.68	0.0	-0.51	-1.78
218	180	0.0	0.52	-2.92e-05	-1.45	0.0	0.19	-23.94	11.98	0.0	-0.08	0.0
		-1.23	-0.08	7.01e-06	0.0	5.0	0.19	-25.38	11.98	0.0	0.52	-1.23
218	188	0.0	0.42	-2.69e-05	-1.45	0.0	0.16	-24.36	9.76	0.0	-0.07	0.0
		-1.25	-0.07	-4.74e-06	0.0	5.0	0.16	-25.81	9.76	0.0	0.42	-1.25
218	201	0.0	0.01	-5.73e-06	-1.45	0.0	-0.26	-33.08	-5.52	0.0	0.01	0.0
		-1.69	-0.25	-6.87e-06	0.0	5.0	-0.26	-34.53	-5.52	0.0	-0.25	-1.69
218	204	0.0	0.27	-2.09e-05	-1.45	0.0	0.28	-25.72	5.81	0.0	-0.01	0.0
		-1.32	-0.01	5.99e-06	0.0	5.0	0.28	-27.17	5.81	0.0	0.27	-1.32
218	209	0.0	0.09	5.26e-06	-1.45	0.0	-0.20	-35.83	-13.71	0.0	0.09	0.0
		-1.83	-0.60	-9.39e-06	0.0	5.0	-0.20	-37.27	-13.71	0.0	-0.60	-1.83
218	212	0.0	0.61	-3.19e-05	-1.45	0.0	0.22	-22.98	14.01	0.0	-0.09	0.0
		-1.18	-0.09	8.51e-06	0.0	5.0	0.22	-24.42	14.01	0.0	0.61	-1.18
218	220	0.0	0.48	-2.92e-05	-1.45	0.0	0.19	-23.50	11.37	0.0	-0.08	0.0
		-1.21	-0.08	-5.24e-06	0.0	5.0	0.19	-24.95	11.37	0.0	0.48	-1.21
218	233	0.0	0.01	-4.38e-06	-1.45	0.0	-0.31	-33.76	-6.52	0.0	0.01	0.0
		-1.72	-0.30	-8.11e-06	0.0	5.0	-0.31	-35.21	-6.52	0.0	-0.30	-1.72
218	236	0.0	0.32	-2.23e-05	-1.45	0.0	0.33	-25.04	6.82	0.0	-0.01	0.0
		-1.29	-0.01	7.22e-06	0.0	5.0	0.33	-26.49	6.82	0.0	0.32	-1.29
218	243	0.0	4.22e-03	-1.66e-05	-1.88	0.0	8.10e-03	-38.42	0.06	0.0	1.02e-03	0.0
		-1.97	1.02e-03	0.0	0.0	5.0	8.10e-03	-40.30	0.06	0.0	4.22e-03	-1.97
218	264	0.0	0.03	-1.62e-05	-1.56	0.0	0.01	-31.01	0.58	0.0	-1.03e-03	0.0
		-1.59	-1.03e-03	-1.31e-06	0.0	5.0	0.01	-32.56	0.58	0.0	0.03	-1.59
218	268	0.0	5.76e-03	-1.79e-05	-1.88	0.0	-0.67	-38.09	0.18	0.0	-3.34e-03	0.0
		-1.95	-3.34e-03	0.0	0.0	5.0	-0.67	-39.97	0.18	0.0	5.76e-03	-1.95
218	273	0.0	-4.75e-03	-8.03e-06	-0.80	0.0	-1.13	-16.13	0.03	0.0	-6.24e-03	0.0
		-0.83	-6.24e-03	0.0	0.0	5.0	-1.13	-16.93	0.03	0.0	-4.75e-03	-0.83
218	288	0.0	0.02	-1.54e-05	-1.56	0.0	0.58	-31.28	0.25	0.0	3.85e-03	0.0
		-1.60	3.85e-03	0.0	0.0	5.0	0.58	-32.84	0.25	0.0	0.02	-1.60

218	298	0.0	8.26e-03	-1.42e-05	-1.56	0.0	7.52e-03	-31.63	0.16	0.0	4.91e-04	0.0
		-1.62	4.91e-04	0.0	0.0	5.0	7.52e-03	-33.19	0.16	0.0	8.26e-03	-1.62
218	305	0.0	0.01	-1.35e-05	-1.45	0.0	7.62e-03	-29.34	0.22	0.0	1.54e-04	0.0
		-1.50	1.54e-04	0.0	0.0	5.0	7.62e-03	-30.78	0.22	0.0	0.01	-1.50
218	306	0.0	3.71e-03	-8.08e-06	-0.80	0.0	-0.22	-16.04	0.09	0.0	-9.67e-04	0.0
		-0.82	-9.67e-04	0.0	0.0	5.0	-0.22	-16.84	0.09	0.0	3.71e-03	-0.82
218	308	0.0	6.89e-03	-8.10e-06	-0.80	0.0	0.12	-16.01	0.12	0.0	1.01e-03	0.0
		-0.82	1.01e-03	0.0	0.0	5.0	0.12	-16.81	0.12	0.0	6.89e-03	-0.82
218	309	0.0	5.83e-03	-8.09e-06	-0.80	0.0	4.15e-03	-16.02	0.11	0.0	3.51e-04	0.0
		-0.82	3.51e-04	0.0	0.0	5.0	4.15e-03	-16.82	0.11	0.0	5.83e-03	-0.82
218	310	0.0	7.91e-03	-1.33e-05	-1.45	0.0	7.04e-03	-29.40	0.15	0.0	4.71e-04	0.0
		-1.51	4.71e-04	0.0	0.0	5.0	7.04e-03	-30.85	0.15	0.0	7.91e-03	-1.51
219	33	-2.01e-05	-0.04	-1.42e-06	-1.40	0.0	-1.28	34.97	-0.49	0.0	-0.04	-1.71
		-1.71	-0.07	0.0	0.0	5.0	-1.28	33.57	-0.49	0.0	-0.07	-2.01e-05
219	45	-7.48e-06	-6.79e-03	-2.06e-06	-0.51	0.0	-0.36	13.41	-0.24	0.0	-6.79e-03	-0.66
		-0.66	-0.02	-1.03e-06	0.0	5.0	-0.36	12.89	-0.24	0.0	-0.02	-7.48e-06
219	52	-1.55e-05	-0.07	4.10e-06	-1.07	0.0	-2.77	26.42	-0.77	0.0	-0.07	-1.29
		-1.29	-0.10	-1.02e-06	0.0	5.0	-2.77	25.35	-0.77	0.0	-0.10	-1.55e-05
219	76	-1.55e-05	-0.08	2.92e-06	-1.07	0.0	-2.52	26.75	-1.07	0.0	-0.08	-1.31
		-1.31	-0.13	0.0	0.0	5.0	-2.52	25.68	-1.07	0.0	-0.13	-1.55e-05
219	114	-8.41e-06	-0.35	8.98e-06	-0.55	0.0	-16.08	10.98	-7.12	0.0	-0.35	-0.54
		-0.54	-0.70	-1.20e-05	0.0	5.0	-16.08	10.43	-7.12	0.0	-0.70	-8.41e-06
219	115	-7.57e-06	0.57	-6.52e-06	-0.55	0.0	13.35	16.47	6.12	0.0	0.27	-0.81
		-0.81	0.27	1.12e-05	0.0	5.0	13.35	15.92	6.12	0.0	0.57	-7.57e-06
219	128	-7.11e-06	0.12	-1.48e-05	-0.55	0.0	4.78	18.69	-0.65	0.0	0.12	-0.92
		-0.92	0.08	-3.06e-06	0.0	5.0	4.78	18.14	-0.65	0.0	0.08	-7.11e-06
219	138	-7.70e-06	-0.32	-7.57e-06	-0.55	0.0	-10.84	15.98	-8.28	0.0	-0.32	-0.79
		-0.79	-0.73	-6.39e-06	0.0	5.0	-10.84	15.43	-8.28	0.0	-0.73	-7.70e-06
219	139	-8.28e-06	0.60	1.00e-05	-0.55	0.0	8.11	11.47	7.29	0.0	0.24	-0.56
		-0.56	0.24	5.53e-06	0.0	5.0	8.11	10.92	7.29	0.0	0.60	-8.28e-06
219	146	-8.46e-06	-0.39	9.93e-06	-0.55	0.0	-17.90	10.64	-7.95	0.0	-0.39	-0.52
		-0.52	-0.78	-1.35e-05	0.0	5.0	-17.90	10.10	-7.95	0.0	-0.78	-8.46e-06
219	147	-7.53e-06	0.65	-7.46e-06	-0.55	0.0	15.17	16.81	6.95	0.0	0.31	-0.83
		-0.83	0.31	1.27e-05	0.0	5.0	15.17	16.26	6.95	0.0	0.65	-7.53e-06
219	160	-7.02e-06	0.14	-1.68e-05	-0.55	0.0	5.53	19.31	-0.69	0.0	0.14	-0.95
		-0.95	0.10	-3.42e-06	0.0	5.0	5.53	18.76	-0.69	0.0	0.10	-7.02e-06
219	170	-7.66e-06	-0.35	-8.75e-06	-0.55	0.0	-12.04	16.29	-9.29	0.0	-0.35	-0.80
		-0.80	-0.82	-7.25e-06	0.0	5.0	-12.04	15.74	-9.29	0.0	-0.82	-7.66e-06
219	171	-8.32e-06	0.68	1.12e-05	-0.55	0.0	9.31	11.16	8.29	0.0	0.27	-0.54
		-0.54	0.27	6.39e-06	0.0	5.0	9.31	10.61	8.29	0.0	0.68	-8.32e-06
219	178	-8.41e-06	-0.38	9.71e-06	-0.55	0.0	-17.67	10.72	-7.91	0.0	-0.38	-0.52
		-0.52	-0.77	-1.39e-05	0.0	5.0	-17.67	10.17	-7.91	0.0	-0.77	-8.41e-06
219	179	-7.57e-06	0.64	-7.25e-06	-0.55	0.0	14.94	16.73	6.92	0.0	0.30	-0.82
		-0.82	0.30	1.31e-05	0.0	5.0	14.94	16.19	6.92	0.0	0.64	-7.57e-06
219	192	-7.12e-06	0.13	-1.67e-05	-0.55	0.0	5.33	19.27	-0.78	0.0	0.13	-0.95
		-0.95	0.09	-3.59e-06	0.0	5.0	5.33	18.73	-0.78	0.0	0.09	-7.12e-06
219	202	-7.69e-06	-0.35	-9.17e-06	-0.55	0.0	-12.07	16.41	-9.43	0.0	-0.35	-0.81
		-0.81	-0.82	-7.97e-06	0.0	5.0	-12.07	15.86	-9.43	0.0	-0.82	-7.69e-06
219	203	-8.30e-06	0.69	1.16e-05	-0.55	0.0	9.34	11.04	8.43	0.0	0.27	-0.54
		-0.54	0.27	7.10e-06	0.0	5.0	9.34	10.49	8.43	0.0	0.69	-8.30e-06
219	210	-8.48e-06	-0.44	1.11e-05	-0.55	0.0	-20.43	10.24	-9.22	0.0	-0.44	-0.50
		-0.50	-0.89	-1.66e-05	0.0	5.0	-20.43	9.69	-9.22	0.0	-0.89	-8.48e-06
219	211	-7.51e-06	0.76	-8.60e-06	-0.55	0.0	17.71	17.21	8.22	0.0	0.36	-0.85
		-0.85	0.36	1.57e-05	0.0	5.0	17.71	16.67	8.22	0.0	0.76	-7.51e-06
219	220	-7.01e-06	0.17	-1.95e-05	-0.55	0.0	5.15	20.21	-1.25	0.0	0.17	-1.00
		-1.00	0.11	-4.81e-06	0.0	5.0	5.15	19.66	-1.25	0.0	0.11	-7.01e-06
219	224	-6.99e-06	0.16	-1.98e-05	-0.55	0.0	6.36	20.21	-0.89	0.0	0.16	-1.00
		-1.00	0.11	-4.24e-06	0.0	5.0	6.36	19.66	-0.89	0.0	0.11	-6.99e-06
219	226	-7.70e-06	-0.36	-1.04e-05	-0.55	0.0	-18.01	16.95	-12.31	0.0	-0.36	-0.83
		-0.83	-0.97	-1.16e-05	0.0	5.0	-18.01	16.40	-12.31	0.0	-0.97	-7.70e-06
219	227	-8.29e-06	0.84	1.29e-05	-0.55	0.0	15.28	10.50	11.31	0.0	0.28	-0.51
		-0.51	0.28	1.07e-05	0.0	5.0	15.28	9.95	11.31	0.0	0.84	-8.29e-06
219	257	-1.42e-05	-0.03	-1.06e-06	-0.98	0.0	-0.92	24.55	-0.35	0.0	-0.03	-1.20
		-1.20	-0.05	0.0	0.0	5.0	-0.92	23.57	-0.35	0.0	-0.05	-1.42e-05
219	261	-7.99e-06	-0.02	-1.35e-06	-0.55	0.0	-0.58	14.11	-0.27	0.0	-0.02	-0.69
		-0.69	-0.03	0.0	0.0	5.0	-0.58	13.56	-0.27	0.0	-0.03	-7.99e-06
219	268	-1.11e-05	-0.05	2.62e-06	-0.76	0.0	-1.91	18.86	-0.54	0.0	-0.05	-0.92
		-0.92	-0.07	0.0	0.0	5.0	-1.91	18.10	-0.54	0.0	-0.07	-1.11e-05
219	280	-1.11e-05	-0.06	1.83e-06	-0.76	0.0	-1.74	19.08	-0.74	0.0	-0.06	-0.93
		-0.93	-0.09	0.0	0.0	5.0	-1.74	18.31	-0.74	0.0	-0.09	-1.11e-05
219	298	-7.99e-06	-0.04	1.47e-06	-0.55	0.0	-1.44	13.72	-0.53	0.0	-0.04	-0.67
		-0.67	-0.07	0.0	0.0	5.0	-1.44	13.17	-0.53	0.0	-0.07	-7.99e-06
219	299	-9.22e-06	-0.03	0.0	-0.63	0.0	-0.92	15.86	-0.30	0.0	-0.03	-0.78
		-0.78	-0.05	0.0	0.0	5.0	-0.92	15.23	-0.30	0.0	-0.05	-9.22e-06
219	304	-7.99e-06	-0.03	0.0	-0.55	0.0	-0.82	13.82	-0.29	0.0	-0.03	-0.68

		-0.68	-0.04	0.0	0.0	5.0	-0.82	13.27	-0.29	0.0	-0.04	-7.99e-06
219	309	-7.99e-06	-0.03	0.0	-0.55	0.0	-0.87	13.75	-0.29	0.0	-0.03	-0.67
		-0.67	-0.04	0.0	0.0	5.0	-0.87	13.20	-0.29	0.0	-0.04	-7.99e-06
219	310	-7.99e-06	-0.04	1.23e-06	-0.55	0.0	-1.36	13.73	-0.50	0.0	-0.04	-0.67
		-0.67	-0.07	0.0	0.0	5.0	-1.36	13.18	-0.50	0.0	-0.07	-7.99e-06
220	9	0.0	0.0	-1.79e-05	-1.40	0.0	-0.01	-26.88	-2.08	0.0	0.0	0.0
		-1.38	-0.10	0.0	0.0	5.0	-0.01	-28.27	-2.08	0.0	-0.10	-1.38
220	35	0.0	0.0	-2.73e-05	-1.40	0.0	-0.02	-24.40	-3.18	0.0	0.0	0.0
		-1.25	-0.16	0.0	0.0	5.0	-0.02	-25.80	-3.18	0.0	-0.16	-1.25
220	51	0.0	0.0	-2.47e-05	-0.75	0.0	-0.55	-10.61	-2.27	0.0	0.0	0.0
		-0.55	-0.11	0.0	0.0	5.0	-0.55	-11.36	-2.27	0.0	-0.11	-0.55
220	68	0.0	0.0	-2.38e-05	-1.07	0.0	-0.90	-18.16	-2.45	0.0	0.0	0.0
		-0.93	-0.12	0.0	0.0	5.0	-0.90	-19.23	-2.45	0.0	-0.12	-0.93
220	89	0.0	0.0	-1.26e-05	-0.75	0.0	0.43	-13.51	-1.39	0.0	0.0	0.0
		-0.69	-0.07	0.0	0.0	5.0	0.43	-14.26	-1.39	0.0	-0.07	-0.69
220	93	0.0	0.0	-8.21e-06	-0.51	0.0	0.43	-9.33	-0.92	0.0	0.0	0.0
		-0.48	-0.05	0.0	0.0	5.0	0.43	-9.84	-0.92	0.0	-0.05	-0.48
220	113	0.0	0.40	-1.87e-06	-0.55	0.0	-0.10	-13.02	7.93	0.0	0.0	0.0
		-0.66	0.0	-2.31e-05	0.0	5.0	-0.10	-13.57	7.93	0.0	0.40	-0.66
220	116	0.0	0.0	-2.59e-05	-0.55	0.0	0.08	-4.52	-10.65	0.0	0.0	0.0
		-0.24	-0.53	2.35e-05	0.0	5.0	0.08	-5.06	-10.65	0.0	-0.53	-0.24
220	137	0.0	0.13	-8.18e-06	-0.55	0.0	-0.18	-11.40	2.64	0.0	0.0	0.0
		-0.58	0.0	-1.46e-05	0.0	5.0	-0.18	-11.95	2.64	0.0	0.13	-0.58
220	140	0.0	0.0	-1.96e-05	-0.55	0.0	0.16	-6.13	-5.35	0.0	0.0	0.0
		-0.32	-0.27	1.50e-05	0.0	5.0	0.16	-6.68	-5.35	0.0	-0.27	-0.32
220	141	0.0	0.11	-8.69e-06	-0.55	0.0	-0.18	-11.30	2.21	0.0	0.0	0.0
		-0.58	0.0	-1.02e-05	0.0	5.0	-0.18	-11.85	2.21	0.0	0.11	-0.58
220	145	0.0	0.45	0.0	-0.55	0.0	-0.11	-13.55	9.09	0.0	0.0	0.0
		-0.69	0.0	-2.60e-05	0.0	5.0	-0.11	-14.10	9.09	0.0	0.45	-0.69
220	148	0.0	0.0	-2.74e-05	-0.55	0.0	0.09	-3.98	-11.80	0.0	0.0	0.0
		-0.21	-0.59	2.65e-05	0.0	5.0	0.09	-4.53	-11.80	0.0	-0.59	-0.21
220	169	0.0	0.16	-7.46e-06	-0.55	0.0	-0.20	-11.74	3.14	0.0	0.0	0.0
		-0.60	0.0	-1.65e-05	0.0	5.0	-0.20	-12.29	3.14	0.0	0.16	-0.60
220	172	0.0	0.0	-2.03e-05	-0.55	0.0	0.18	-5.79	-5.85	0.0	0.0	0.0
		-0.30	-0.29	1.70e-05	0.0	5.0	0.18	-6.34	-5.85	0.0	-0.29	-0.30
220	173	0.0	0.13	-8.03e-06	-0.55	0.0	-0.20	-11.63	2.66	0.0	0.0	0.0
		-0.60	0.0	-1.15e-05	0.0	5.0	-0.20	-12.17	2.66	0.0	0.13	-0.60
220	177	0.0	0.45	0.0	-0.55	0.0	-0.12	-13.53	8.98	0.0	0.0	0.0
		-0.69	0.0	-2.61e-05	0.0	5.0	-0.12	-14.08	8.98	0.0	0.45	-0.69
220	180	0.0	0.0	-2.73e-05	-0.55	0.0	0.10	-4.01	-11.70	0.0	0.0	0.0
		-0.21	-0.58	2.66e-05	0.0	5.0	0.10	-4.55	-11.70	0.0	-0.58	-0.21
220	201	0.0	0.16	-7.44e-06	-0.55	0.0	-0.21	-11.78	3.12	0.0	0.0	0.0
		-0.60	0.0	-1.68e-05	0.0	5.0	-0.21	-12.33	3.12	0.0	0.16	-0.60
220	204	0.0	0.0	-2.04e-05	-0.55	0.0	0.19	-5.76	-5.83	0.0	0.0	0.0
		-0.30	-0.29	1.72e-05	0.0	5.0	0.19	-6.30	-5.83	0.0	-0.29	-0.30
220	205	0.0	0.13	-8.01e-06	-0.55	0.0	-0.20	-11.66	2.65	0.0	0.0	0.0
		-0.60	0.0	-1.18e-05	0.0	5.0	-0.20	-12.21	2.65	0.0	0.13	-0.60
220	209	0.0	0.54	1.81e-06	-0.55	0.0	-0.14	-14.36	10.75	0.0	0.0	0.0
		-0.73	0.0	-3.10e-05	0.0	5.0	-0.14	-14.91	10.75	0.0	0.54	-0.73
220	212	0.0	0.0	-2.96e-05	-0.55	0.0	0.12	-3.17	-13.47	0.0	0.0	0.0
		-0.17	-0.67	3.14e-05	0.0	5.0	0.12	-3.72	-13.47	0.0	-0.67	-0.17
220	233	0.0	0.19	-6.29e-06	-0.55	0.0	-0.24	-12.33	3.90	0.0	0.0	0.0
		-0.63	0.0	-1.99e-05	0.0	5.0	-0.24	-12.88	3.90	0.0	0.19	-0.63
220	236	0.0	0.0	-2.15e-05	-0.55	0.0	0.22	-5.20	-6.61	0.0	0.0	0.0
		-0.27	-0.33	2.03e-05	0.0	5.0	0.22	-5.75	-6.61	0.0	-0.33	-0.27
220	237	0.0	0.17	-6.98e-06	-0.55	0.0	-0.24	-12.19	3.34	0.0	0.0	0.0
		-0.62	0.0	-1.41e-05	0.0	5.0	-0.24	-12.73	3.34	0.0	0.17	-0.62
220	245	0.0	0.0	-1.26e-05	-0.98	0.0	-9.98e-03	-18.85	-1.46	0.0	0.0	0.0
		-0.97	-0.07	0.0	0.0	5.0	-9.98e-03	-19.83	-1.46	0.0	-0.07	-0.97
220	259	0.0	0.0	-1.88e-05	-0.98	0.0	-0.01	-17.20	-2.20	0.0	0.0	0.0
		-0.88	-0.11	0.0	0.0	5.0	-0.01	-18.18	-2.20	0.0	-0.11	-0.88
220	267	0.0	0.0	-1.71e-05	-0.55	0.0	-0.36	-8.01	-1.59	0.0	0.0	0.0
		-0.41	-0.08	0.0	0.0	5.0	-0.36	-8.55	-1.59	0.0	-0.08	-0.41
220	276	0.0	0.0	-1.65e-05	-0.76	0.0	-0.60	-13.04	-1.71	0.0	0.0	0.0
		-0.67	-0.09	0.0	0.0	5.0	-0.60	-13.81	-1.71	0.0	-0.09	-0.67
220	285	0.0	0.0	-9.06e-06	-0.55	0.0	0.29	-9.94	-1.01	0.0	0.0	0.0
		-0.51	-0.05	0.0	0.0	5.0	0.29	-10.49	-1.01	0.0	-0.05	-0.51
220	298	0.0	0.0	-1.47e-05	-0.55	0.0	-0.01	-8.57	-1.41	0.0	0.0	0.0
		-0.44	-0.07	0.0	0.0	5.0	-0.01	-9.11	-1.41	0.0	-0.07	-0.44
220	299	0.0	0.0	-9.78e-06	-0.63	0.0	-7.44e-03	-11.74	-1.13	0.0	0.0	0.0
		-0.60	-0.06	0.0	0.0	5.0	-7.44e-03	-12.38	-1.13	0.0	-0.06	-0.60
220	301	0.0	0.0	-1.46e-05	-0.63	0.0	-0.01	-10.53	-1.47	0.0	0.0	0.0
		-0.54	-0.07	0.0	0.0	5.0	-0.01	-11.16	-1.47	0.0	-0.07	-0.54
220	307	0.0	0.0	-1.39e-05	-0.55	0.0	-0.13	-8.78	-1.36	0.0	0.0	0.0
		-0.45	-0.07	0.0	0.0	5.0	-0.13	-9.33	-1.36	0.0	-0.07	-0.45

220	308	0.0	0.0	-9.04e-06	-0.55	0.0	0.05	-9.97	-1.01	0.0	0.0	0.0
		-0.51	-0.05	0.0	0.0	5.0	0.05	-10.52	-1.01	0.0	-0.05	-0.51
220	309	0.0	0.0	-9.04e-06	-0.55	0.0	-6.92e-03	-9.98	-1.02	0.0	0.0	0.0
		-0.51	-0.05	0.0	0.0	5.0	-6.92e-03	-10.53	-1.02	0.0	-0.05	-0.51
220	310	0.0	0.0	-1.39e-05	-0.55	0.0	-0.01	-8.77	-1.36	0.0	0.0	0.0
		-0.45	-0.07	0.0	0.0	5.0	-0.01	-9.32	-1.36	0.0	-0.07	-0.45
221	19	-0.02	9.83e-03	-5.32e-06	-0.09	0.0	1.73	0.36	0.04	1.09e-04	-1.81e-03	-0.11
		-0.11	-1.81e-03	-1.38e-06	0.0	30.0	1.73	0.27	0.04	1.09e-04	9.83e-03	-0.02
221	44	0.81	2.51e-03	1.18e-05	-0.12	0.0	-5.61	-2.35	-0.05	-3.70e-04	2.51e-03	0.81
		0.09	-0.01	-2.41e-06	0.0	30.0	-5.61	-2.47	-0.05	-3.70e-04	-0.01	0.09
221	68	0.34	0.08	-1.05e-06	-0.12	0.0	-3.17	-0.76	0.29	-1.24e-03	-0.01	0.34
		0.09	-0.01	-1.38e-05	0.0	30.0	-3.17	-0.88	0.29	-1.24e-03	0.08	0.09
221	93	0.12	6.55e-03	1.10e-06	-0.09	0.0	0.51	-0.43	-0.13	5.46e-04	6.55e-03	0.12
		-0.02	-0.03	4.31e-06	0.0	30.0	0.51	-0.53	-0.13	5.46e-04	-0.03	-0.02
221	113	-0.02	0.19	-1.97e-04	-0.09	0.0	-15.41	20.65	0.71	1.12e-03	-0.03	-6.20
		-6.20	-0.03	1.36e-06	0.0	30.0	-15.41	20.56	0.71	1.12e-03	0.19	-0.02
221	116	6.64	0.03	1.97e-04	-0.09	0.0	13.65	-21.75	-0.69	-1.21e-03	0.03	6.64
		0.10	-0.18	-5.26e-06	0.0	30.0	13.65	-21.84	-0.69	-1.21e-03	-0.18	0.10
221	126	-0.02	0.27	-1.40e-04	-0.09	0.0	-14.90	14.40	1.13	0.01	-0.07	-4.32
		-4.32	-0.07	9.16e-06	0.0	30.0	-14.90	14.31	1.13	0.01	0.27	-0.02
221	127	4.76	0.07	1.40e-04	-0.09	0.0	13.14	-15.50	-1.11	-0.01	0.07	4.76
		0.10	-0.26	-1.31e-05	0.0	30.0	13.14	-15.59	-1.11	-0.01	-0.26	0.10
221	145	-0.02	0.21	-2.22e-04	-0.09	0.0	-17.19	23.29	0.80	1.22e-03	-0.03	-7.00
		-7.00	-0.03	1.17e-06	0.0	30.0	-17.19	23.19	0.80	1.22e-03	0.21	-0.02
221	148	7.44	0.03	2.22e-04	-0.09	0.0	15.43	-24.38	-0.78	-1.31e-03	0.03	7.44
		0.11	-0.20	-5.06e-06	0.0	30.0	15.43	-24.47	-0.78	-1.31e-03	-0.20	0.11
221	158	-0.02	0.30	-1.58e-04	-0.09	0.0	-16.63	16.25	1.27	0.01	-0.08	-4.88
		-4.88	-0.08	1.04e-05	0.0	30.0	-16.63	16.16	1.27	0.01	0.30	-0.02
221	159	5.32	0.08	1.57e-04	-0.09	0.0	14.87	-17.35	-1.25	-0.01	0.08	5.32
		0.11	-0.30	-1.43e-05	0.0	30.0	14.87	-17.44	-1.25	-0.01	-0.30	0.11
221	177	-0.02	0.20	-2.20e-04	-0.09	0.0	-16.86	23.06	0.77	8.84e-04	-0.03	-6.93
		-6.93	-0.03	-2.31e-06	0.0	30.0	-16.86	22.97	0.77	8.84e-04	0.20	-0.02
221	180	7.37	0.03	2.20e-04	-0.09	0.0	15.10	-24.16	-0.75	-9.72e-04	0.03	7.37
		0.11	-0.20	-1.60e-06	0.0	30.0	15.10	-24.25	-0.75	-9.72e-04	-0.20	0.11
221	190	-0.02	0.30	-1.55e-04	-0.09	0.0	-16.25	15.94	1.25	0.01	-0.08	-4.79
		-4.79	-0.08	9.41e-06	0.0	30.0	-16.25	15.85	1.25	0.01	0.30	-0.02
221	191	5.23	0.08	1.54e-04	-0.09	0.0	14.50	-17.03	-1.23	-0.01	0.08	5.23
		0.11	-0.29	-1.33e-05	0.0	30.0	14.50	-17.13	-1.23	-0.01	-0.29	0.11
221	209	-0.03	0.23	-2.57e-04	-0.09	0.0	-19.53	27.11	0.89	8.66e-04	-0.03	-8.15
		-8.15	-0.03	-4.57e-06	0.0	30.0	-19.53	27.01	0.89	8.66e-04	0.23	-0.03
221	212	8.60	0.03	2.57e-04	-0.09	0.0	17.77	-28.20	-0.87	-9.54e-04	0.03	8.60
		0.12	-0.23	1.03e-06	0.0	30.0	17.77	-28.30	-0.87	-9.54e-04	-0.23	0.12
221	222	-0.03	0.34	-1.79e-04	-0.09	0.0	-18.73	18.58	1.46	0.01	-0.09	-5.59
		-5.59	-0.09	1.04e-05	0.0	30.0	-18.73	18.49	1.46	0.01	0.34	-0.03
221	223	6.03	0.09	1.79e-04	-0.09	0.0	16.97	-19.68	-1.44	-0.01	0.09	6.03
		0.12	-0.34	-1.42e-05	0.0	30.0	16.97	-19.77	-1.44	-0.01	-0.34	0.12
221	248	-9.63e-03	7.01e-03	-3.30e-06	-0.09	0.0	0.97	0.08	0.03	5.83e-05	-1.29e-03	-0.02
		-0.02	-1.29e-03	-1.35e-06	0.0	30.0	0.97	-9.75e-03	0.03	5.83e-05	7.01e-03	-9.78e-03
221	264	0.55	1.68e-03	8.04e-06	-0.09	0.0	-3.73	-1.61	-0.04	-2.52e-04	1.68e-03	0.55
		0.05	-8.82e-03	-1.67e-06	0.0	30.0	-3.73	-1.70	-0.04	-2.52e-04	-8.82e-03	0.05
221	276	0.24	0.05	0.0	-0.09	0.0	-2.10	-0.55	0.20	-8.34e-04	-9.47e-03	0.24
		0.06	-9.47e-03	-9.27e-06	0.0	30.0	-2.10	-0.64	0.20	-8.34e-04	0.05	0.06
221	285	0.14	4.29e-03	0.0	-0.09	0.0	0.16	-0.45	-0.09	3.49e-04	4.29e-03	0.14
		-0.01	-0.02	2.45e-06	0.0	30.0	0.16	-0.54	-0.09	3.49e-04	-0.02	-0.01
221	302	0.10	2.12e-03	0.0	-0.09	0.0	-0.10	-0.32	8.27e-03	-2.27e-05	-3.77e-04	0.10
		-9.93e-03	-3.77e-04	-1.12e-06	0.0	30.0	-0.10	-0.42	8.27e-03	-2.27e-05	2.12e-03	-9.93e-03
221	305	0.28	2.67e-04	1.59e-06	-0.09	0.0	-1.41	-0.75	7.69e-04	-8.47e-05	-1.49e-05	0.28
		0.04	-1.49e-05	-1.83e-06	0.0	30.0	-1.41	-0.85	7.69e-04	-8.47e-05	2.67e-04	0.04
221	307	0.22	0.01	0.0	-0.09	0.0	-1.09	-0.54	0.05	-2.01e-04	-2.24e-03	0.22
		0.04	-2.24e-03	-3.35e-06	0.0	30.0	-1.09	-0.63	0.05	-2.01e-04	0.01	0.04
221	308	0.13	7.37e-04	0.0	-0.09	0.0	-0.26	-0.43	-0.01	3.55e-05	7.37e-04	0.13
		-0.01	-3.81e-03	0.0	0.0	30.0	-0.26	-0.52	-0.01	3.55e-05	-3.81e-03	-0.01
221	309	0.13	8.95e-04	0.0	-0.09	0.0	-0.36	-0.43	3.40e-03	-4.30e-05	-1.50e-04	0.13
		-9.97e-03	-1.50e-04	-1.06e-06	0.0	30.0	-0.36	-0.52	3.40e-03	-4.30e-05	8.95e-04	-9.97e-03
221	310	0.22	2.71e-03	0.0	-0.09	0.0	-0.88	-0.55	0.01	-4.42e-05	-4.70e-04	0.22
		0.04	-4.70e-04	-1.95e-06	0.0	30.0	-0.88	-0.64	0.01	-4.42e-05	2.71e-03	0.04
222	19	0.21	0.02	-8.59e-06	-0.09	0.0	1.87	0.79	0.04	2.34e-04	9.80e-03	-0.02
		-0.02	9.80e-03	0.0	0.0	30.0	1.87	0.69	0.04	2.34e-04	0.02	0.21
222	21	0.22	0.03	-9.21e-06	-0.09	0.0	0.97	0.51	0.05	1.59e-04	0.01	0.08
		0.08	0.01	-2.35e-06	0.0	30.0	0.97	0.42	0.05	1.59e-04	0.03	0.22
222	42	-7.54e-03	-0.02	9.26e-06	-0.12	0.0	-5.11	-1.57	-0.07	-1.16e-03	-0.02	-7.54e-03
		-0.50	-0.04	-1.57e-06	0.0	30.0	-5.11	-1.70	-0.07	-1.16e-03	-0.04	-0.50
222	44	0.09	-0.01	8.64e-06	-0.12	0.0	-6.01	-1.85	-0.06	-1.24e-03	-0.01	0.09
		-0.49	-0.03	-2.98e-06	0.0	30.0	-6.01	-1.97	-0.06	-1.24e-03	-0.03	-0.49
222	68	0.09	0.14	-3.94e-06	-0.12	0.0	-3.20	-0.28	0.19	-8.40e-03	0.08	0.09

		-9.10e-03	0.08	-9.51e-06	0.0	30.0	-3.20	-0.40	0.19	-8.40e-03	0.14	-9.10e-03
222	93	-0.02	-0.03	-2.30e-06	-0.09	0.0	0.46	4.21e-03	-0.08	3.81e-03	-0.03	-0.02
		-0.03	-0.06	2.33e-06	0.0	30.0	0.46	-0.09	-0.08	3.81e-03	-0.06	-0.03
222	113	6.28	0.40	-2.00e-04	-0.09	0.0	-10.07	21.03	0.72	6.85e-04	0.19	-0.02
		-0.02	0.19	-4.93e-06	0.0	30.0	-10.07	20.93	0.72	6.85e-04	0.40	6.28
222	116	0.10	-0.18	1.95e-04	-0.09	0.0	8.25	-21.33	-0.70	-1.17e-03	-0.18	0.10
		-6.31	-0.39	2.26e-06	0.0	30.0	8.25	-21.43	-0.70	-1.17e-03	-0.39	-6.31
222	126	4.41	0.65	-1.42e-04	-0.09	0.0	-10.68	14.80	1.30	0.01	0.26	-0.02
		-0.02	0.26	-2.37e-06	0.0	30.0	-10.68	14.70	1.30	0.01	0.65	4.41
222	127	0.10	-0.26	1.36e-04	-0.09	0.0	8.85	-15.11	-1.28	-0.01	-0.26	0.10
		-4.45	-0.64	-4.21e-06	0.0	30.0	8.85	-15.20	-1.28	-0.01	-0.64	-4.45
222	145	7.06	0.45	-2.24e-04	-0.09	0.0	-11.18	23.66	0.80	7.50e-04	0.21	-0.02
		-0.02	0.21	-5.77e-06	0.0	30.0	-11.18	23.56	0.80	7.50e-04	0.45	7.06
222	148	0.11	-0.20	2.19e-04	-0.09	0.0	9.36	-23.96	-0.78	-1.23e-03	-0.20	0.11
		-7.09	-0.44	2.99e-06	0.0	30.0	9.36	-24.06	-0.78	-1.23e-03	-0.44	-7.09
222	158	4.96	0.73	-1.59e-04	-0.09	0.0	-11.88	16.65	1.46	0.01	0.30	-0.02
		-0.02	0.30	-2.60e-06	0.0	30.0	-11.88	16.55	1.46	0.01	0.73	4.96
222	159	0.11	-0.29	1.54e-04	-0.09	0.0	10.05	-16.96	-1.44	-0.01	-0.29	0.11
		-5.00	-0.72	-4.42e-06	0.0	30.0	10.05	-17.05	-1.44	-0.01	-0.72	-5.00
222	177	6.99	0.43	-2.22e-04	-0.09	0.0	-10.90	23.43	0.77	4.23e-04	0.20	-0.02
		-0.02	0.20	-8.38e-06	0.0	30.0	-10.90	23.34	0.77	4.23e-04	0.43	6.99
222	180	0.11	-0.20	2.17e-04	-0.09	0.0	9.08	-23.74	-0.75	-9.08e-04	-0.20	0.11
		-7.03	-0.42	5.03e-06	0.0	30.0	9.08	-23.84	-0.75	-9.08e-04	-0.42	-7.03
222	190	4.87	0.72	-1.56e-04	-0.09	0.0	-11.58	16.34	1.44	0.01	0.29	-0.02
		-0.02	0.29	-2.75e-06	0.0	30.0	-11.58	16.24	1.44	0.01	0.72	4.87
222	191	0.11	-0.29	1.51e-04	-0.09	0.0	9.76	-16.64	-1.42	-0.01	-0.29	0.11
		-4.90	-0.71	-4.01e-06	0.0	30.0	9.76	-16.74	-1.42	-0.01	-0.71	-4.90
222	209	8.19	0.50	-2.60e-04	-0.09	0.0	-12.55	27.47	0.88	3.62e-04	0.23	-0.03
		-0.03	0.23	-1.14e-05	0.0	30.0	-12.55	27.38	0.88	3.62e-04	0.50	8.19
222	212	0.12	-0.23	2.54e-04	-0.09	0.0	10.73	-27.78	-0.86	-8.47e-04	-0.23	0.12
		-8.23	-0.49	7.79e-06	0.0	30.0	10.73	-27.88	-0.86	-8.47e-04	-0.49	-8.23
222	222	5.65	0.84	-1.81e-04	-0.09	0.0	-13.30	18.98	1.68	0.01	0.34	-0.03
		-0.03	0.34	-3.37e-06	0.0	30.0	-13.30	18.89	1.68	0.01	0.84	5.65
222	223	0.12	-0.33	1.76e-04	-0.09	0.0	11.48	-19.29	-1.66	-0.01	-0.33	0.12
		-5.69	-0.83	-3.75e-06	0.0	30.0	11.48	-19.38	-1.66	-0.01	-0.83	-5.69
222	248	0.13	0.02	-6.52e-06	-0.09	0.0	1.05	0.51	0.03	8.55e-05	7.00e-03	-9.78e-03
		-9.78e-03	7.00e-03	-1.03e-06	0.0	30.0	1.05	0.41	0.03	8.55e-05	0.02	0.13
222	250	0.14	0.02	-6.93e-06	-0.09	0.0	0.46	0.33	0.04	3.54e-05	9.12e-03	0.05
		0.05	9.12e-03	-1.97e-06	0.0	30.0	0.46	0.23	0.04	3.54e-05	0.02	0.14
222	262	-0.01	-0.01	5.87e-06	-0.09	0.0	-3.40	-1.03	-0.05	-7.98e-04	-0.01	-0.01
		-0.33	-0.03	-1.12e-06	0.0	30.0	-3.40	-1.13	-0.05	-7.98e-04	-0.03	-0.33
222	264	0.05	-8.74e-03	5.45e-06	-0.09	0.0	-4.00	-1.21	-0.04	-8.48e-04	-8.74e-03	0.05
		-0.33	-0.02	-2.06e-06	0.0	30.0	-4.00	-1.31	-0.04	-8.48e-04	-0.02	-0.33
222	276	0.06	0.09	-2.93e-06	-0.09	0.0	-2.13	-0.17	0.13	-5.62e-03	0.05	0.06
		-7.94e-03	0.05	-6.41e-06	0.0	30.0	-2.13	-0.26	0.13	-5.62e-03	0.09	-7.94e-03
222	285	-0.01	-0.02	-2.33e-06	-0.09	0.0	0.12	-0.01	-0.05	2.47e-03	-0.02	-0.01
		-0.03	-0.04	1.15e-06	0.0	30.0	0.12	-0.11	-0.05	2.47e-03	-0.04	-0.03
222	298	0.05	6.48e-03	-2.77e-06	-0.09	0.0	-1.00	-0.18	0.01	-2.49e-04	3.03e-03	0.05
		-0.02	3.03e-03	-1.95e-06	0.0	30.0	-1.00	-0.27	0.01	-2.49e-04	6.48e-03	-0.02
222	302	6.84e-03	4.58e-03	-3.19e-06	-0.09	0.0	-0.11	0.10	8.08e-03	-1.42e-04	2.13e-03	-9.93e-03
		-9.93e-03	2.13e-03	-1.02e-06	0.0	30.0	-0.11	8.86e-03	8.08e-03	-1.42e-04	4.58e-03	6.84e-03
222	304	-0.01	-1.52e-03	0.0	-0.09	0.0	-0.98	-0.20	-7.44e-03	-3.13e-04	-1.52e-03	-0.01
		-0.08	-3.72e-03	-1.01e-06	0.0	30.0	-0.98	-0.29	-7.44e-03	-3.13e-04	-3.72e-03	-0.08
222	305	0.04	2.96e-04	-1.05e-06	-0.09	0.0	-1.49	-0.36	-2.32e-04	-3.56e-04	2.96e-04	0.04
		-0.08	2.74e-04	-1.81e-06	0.0	30.0	-1.49	-0.45	-2.32e-04	-3.56e-04	2.74e-04	-0.08
222	307	0.04	0.02	-2.72e-06	-0.09	0.0	-1.12	-0.15	0.03	-1.31e-03	0.01	0.04
		-0.01	0.01	-2.68e-06	0.0	30.0	-1.12	-0.24	0.03	-1.31e-03	0.02	-0.01
222	308	-0.01	-3.83e-03	-2.35e-06	-0.09	0.0	-0.30	-1.41e-03	-8.67e-03	3.35e-04	-3.83e-03	-0.01
		-0.02	-6.44e-03	0.0	0.0	30.0	-0.30	-0.10	-8.67e-03	3.35e-04	-6.44e-03	-0.02
222	309	-9.97e-03	1.81e-03	-2.36e-06	-0.09	0.0	-0.40	1.77e-03	2.91e-03	-1.99e-04	9.11e-04	-9.97e-03
		-0.02	9.11e-04	-1.01e-06	0.0	30.0	-0.40	-0.09	2.91e-03	-1.99e-04	1.81e-03	-0.02
222	310	0.04	5.81e-03	-2.71e-06	-0.09	0.0	-0.91	-0.15	0.01	-2.42e-04	2.73e-03	0.04
		-0.02	2.73e-03	-1.82e-06	0.0	30.0	-0.91	-0.25	0.01	-2.42e-04	5.81e-03	-0.02
223	19	0.20	2.61e-04	-6.94e-06	-0.13	0.0	0.68	-0.01	-0.01	-1.78e-05	2.61e-04	0.20
		0.18	-2.73e-03	0.0	0.0	30.0	0.68	-0.14	-0.01	-1.78e-05	-2.73e-03	0.18
223	28	0.92	-2.35e-03	-1.12e-05	-0.17	0.0	-1.03	-0.87	-0.01	-4.18e-05	-2.35e-03	0.92
		0.63	-6.12e-03	-6.49e-06	0.0	30.0	-1.03	-1.04	-0.01	-4.18e-05	-6.12e-03	0.63
223	44	0.85	-3.05e-03	-6.76e-06	-0.17	0.0	-1.60	-0.96	-8.70e-03	-3.41e-05	-3.05e-03	0.85
		0.54	-5.62e-03	-7.47e-06	0.0	30.0	-1.60	-1.13	-8.70e-03	-3.41e-05	-5.62e-03	0.54
223	69	0.31	6.68e-03	-3.90e-06	-0.13	0.0	-0.55	-0.15	-0.01	-7.72e-04	6.68e-03	0.31
		0.24	3.84e-03	0.0	0.0	30.0	-0.55	-0.28	-0.01	-7.72e-04	3.84e-03	0.24
223	92	0.70	-4.94e-03	-1.25e-05	-0.17	0.0	0.11	-0.58	-0.01	3.39e-04	-4.94e-03	0.70
		0.50	-9.11e-03	-3.90e-06	0.0	30.0	0.11	-0.75	-0.01	3.39e-04	-9.11e-03	0.50
223	93	0.25	-4.27e-03	-4.23e-06	-0.13	0.0	0.20	-0.25	-4.73e-03	3.63e-04	-4.27e-03	0.25
		0.15	-5.79e-03	-1.63e-06	0.0	30.0	0.20	-0.39	-4.73e-03	3.63e-04	-5.79e-03	0.15

223	113	0.19	0.02	-1.14e-04	-0.13	0.0	-6.37	6.60	-0.14	-3.28e-03	0.02	-1.77
		-1.77	-0.02	-2.83e-05	0.0	30.0	-6.37	6.47	-0.14	-3.28e-03	-0.02	0.19
223	116	2.67	0.01	9.87e-05	-0.13	0.0	6.24	-7.28	0.13	3.23e-03	-0.03	2.67
		0.46	-0.03	2.40e-05	0.0	30.0	6.24	-7.41	0.13	3.23e-03	0.01	0.46
223	129	0.45	0.03	-6.79e-05	-0.13	0.0	-9.97	4.08	-0.14	-4.18e-03	0.03	-0.79
		-0.79	-0.02	-7.56e-05	0.0	30.0	-9.97	3.94	-0.14	-4.18e-03	-0.02	0.45
223	132	1.68	8.43e-03	5.30e-05	-0.13	0.0	9.83	-4.76	0.12	4.14e-03	-0.03	1.68
		0.20	-0.03	7.12e-05	0.0	30.0	9.83	-4.89	0.12	4.14e-03	8.43e-03	0.20
223	133	0.46	0.03	-6.31e-05	-0.13	0.0	-9.64	3.77	-0.13	-3.62e-03	0.03	-0.69
		-0.69	-0.01	-7.54e-05	0.0	30.0	-9.64	3.64	-0.13	-3.62e-03	-0.01	0.46
223	136	1.59	7.17e-03	4.83e-05	-0.13	0.0	9.50	-4.46	0.12	3.57e-03	-0.03	1.59
		0.20	-0.03	7.11e-05	0.0	30.0	9.50	-4.59	0.12	3.57e-03	7.17e-03	0.20
223	145	0.17	0.03	-1.27e-04	-0.13	0.0	-7.20	7.46	-0.16	-3.68e-03	0.03	-2.04
		-2.04	-0.02	-3.24e-05	0.0	30.0	-7.20	7.33	-0.16	-3.68e-03	-0.02	0.17
223	148	2.94	0.01	1.12e-04	-0.13	0.0	7.06	-8.15	0.14	3.64e-03	-0.03	2.94
		0.48	-0.03	2.80e-05	0.0	30.0	7.06	-8.28	0.14	3.64e-03	0.01	0.48
223	161	0.47	0.03	-7.56e-05	-0.13	0.0	-11.28	4.64	-0.15	-4.72e-03	0.03	-0.94
		-0.94	-0.02	-8.55e-05	0.0	30.0	-11.28	4.51	-0.15	-4.72e-03	-0.02	0.47
223	164	1.84	9.96e-03	6.08e-05	-0.13	0.0	11.15	-5.33	0.14	4.67e-03	-0.03	1.84
		0.19	-0.03	8.12e-05	0.0	30.0	11.15	-5.46	0.14	4.67e-03	9.96e-03	0.19
223	165	0.47	0.03	-7.03e-05	-0.13	0.0	-10.90	4.31	-0.15	-4.09e-03	0.03	-0.84
		-0.84	-0.02	-8.52e-05	0.0	30.0	-10.90	4.18	-0.15	-4.09e-03	-0.02	0.47
223	168	1.74	8.54e-03	5.55e-05	-0.13	0.0	10.77	-4.99	0.13	4.04e-03	-0.03	1.74
		0.18	-0.03	8.08e-05	0.0	30.0	10.77	-5.12	0.13	4.04e-03	8.54e-03	0.18
223	177	0.18	0.03	-1.26e-04	-0.13	0.0	-7.39	7.40	-0.16	-3.65e-03	0.03	-2.02
		-2.02	-0.02	-3.66e-05	0.0	30.0	-7.39	7.27	-0.16	-3.65e-03	-0.02	0.18
223	180	2.92	0.01	1.11e-04	-0.13	0.0	7.25	-8.08	0.14	3.60e-03	-0.03	2.92
		0.47	-0.03	3.23e-05	0.0	30.0	7.25	-8.21	0.14	3.60e-03	0.01	0.47
223	193	0.48	0.03	-7.65e-05	-0.13	0.0	-11.70	4.72	-0.16	-4.78e-03	0.03	-0.95
		-0.95	-0.02	-8.99e-05	0.0	30.0	-11.70	4.59	-0.16	-4.78e-03	-0.02	0.48
223	196	1.85	0.01	6.17e-05	-0.13	0.0	11.56	-5.40	0.14	4.74e-03	-0.03	1.85
		0.18	-0.03	8.56e-05	0.0	30.0	11.56	-5.54	0.14	4.74e-03	0.01	0.18
223	209	0.16	0.03	-1.46e-04	-0.13	0.0	-8.82	8.73	-0.19	-4.30e-03	0.03	-2.44
		-2.44	-0.02	-4.56e-05	0.0	30.0	-8.82	8.60	-0.19	-4.30e-03	-0.02	0.16
223	212	3.34	0.02	1.31e-04	-0.13	0.0	8.68	-9.42	0.17	4.25e-03	-0.03	3.34
		0.49	-0.03	4.13e-05	0.0	30.0	8.68	-9.55	0.17	4.25e-03	0.02	0.49
223	225	0.51	0.04	-8.96e-05	-0.13	0.0	-14.07	5.68	-0.19	-5.71e-03	0.04	-1.21
		-1.21	-0.02	-1.09e-04	0.0	30.0	-14.07	5.55	-0.19	-5.71e-03	-0.02	0.51
223	228	2.11	0.01	7.48e-05	-0.13	0.0	13.93	-6.37	0.17	5.67e-03	-0.04	2.11
		0.15	-0.04	1.04e-04	0.0	30.0	13.93	-6.50	0.17	5.67e-03	0.01	0.15
223	248	0.25	-7.57e-05	-6.38e-06	-0.13	0.0	0.43	-0.10	-9.39e-03	-1.75e-05	-7.57e-05	0.25
		0.20	-2.87e-03	0.0	0.0	30.0	0.43	-0.23	-9.39e-03	-1.75e-05	-2.87e-03	0.20
223	256	0.64	-1.63e-03	-7.81e-06	-0.13	0.0	-0.69	-0.60	-9.10e-03	-2.96e-05	-1.63e-03	0.64
		0.44	-4.32e-03	-4.46e-06	0.0	30.0	-0.69	-0.73	-9.10e-03	-2.96e-05	-4.32e-03	0.44
223	264	0.59	-2.09e-03	-4.85e-06	-0.13	0.0	-1.07	-0.66	-6.42e-03	-2.45e-05	-2.09e-03	0.59
		0.38	-3.99e-03	-5.11e-06	0.0	30.0	-1.07	-0.79	-6.42e-03	-2.45e-05	-3.99e-03	0.38
223	273	0.32	4.20e-03	-4.36e-06	-0.13	0.0	-0.39	-0.19	-9.62e-03	-5.20e-04	4.20e-03	0.32
		0.24	1.51e-03	0.0	0.0	30.0	-0.39	-0.32	-9.62e-03	-5.20e-04	1.51e-03	0.24
223	285	0.28	-3.10e-03	-4.58e-06	-0.13	0.0	0.11	-0.26	-5.85e-03	2.36e-04	-3.10e-03	0.28
		0.18	-4.91e-03	-1.60e-06	0.0	30.0	0.11	-0.39	-5.85e-03	2.36e-04	-4.91e-03	0.18
223	288	0.49	-3.35e-03	-8.68e-06	-0.13	0.0	0.07	-0.41	-9.72e-03	2.24e-04	-3.35e-03	0.49
		0.35	-6.32e-03	-2.73e-06	0.0	30.0	0.07	-0.54	-9.72e-03	2.24e-04	-6.32e-03	0.35
223	298	0.48	-6.74e-04	-7.89e-06	-0.13	0.0	-0.07	-0.36	-9.12e-03	-2.49e-05	-6.74e-04	0.48
		0.35	-3.38e-03	-2.29e-06	0.0	30.0	-0.07	-0.49	-9.12e-03	-2.49e-05	-3.38e-03	0.35
223	301	0.46	-7.71e-04	-7.69e-06	-0.13	0.0	-0.08	-0.35	-9.57e-03	-2.47e-05	-7.71e-04	0.46
		0.33	-3.61e-03	-2.25e-06	0.0	30.0	-0.08	-0.48	-9.57e-03	-2.47e-05	-3.61e-03	0.33
223	302	0.28	-5.45e-04	-4.88e-06	-0.13	0.0	0.04	-0.21	-7.56e-03	-1.62e-05	-5.45e-04	0.28
		0.20	-2.79e-03	-1.13e-06	0.0	30.0	0.04	-0.34	-7.56e-03	-1.62e-05	-2.79e-03	0.20
223	305	0.47	-9.07e-04	-6.65e-06	-0.13	0.0	-0.26	-0.40	-7.92e-03	-2.30e-05	-9.07e-04	0.47
		0.33	-3.26e-03	-2.68e-06	0.0	30.0	-0.26	-0.53	-7.92e-03	-2.30e-05	-3.26e-03	0.33
223	306	0.30	3.11e-04	-4.48e-06	-0.13	0.0	-0.12	-0.23	-7.61e-03	-1.17e-04	3.11e-04	0.30
		0.21	-1.92e-03	-1.30e-06	0.0	30.0	-0.12	-0.36	-7.61e-03	-1.17e-04	-1.92e-03	0.21
223	308	0.29	-1.15e-03	-4.52e-06	-0.13	0.0	-0.02	-0.24	-6.86e-03	3.45e-05	-1.15e-03	0.29
		0.20	-3.20e-03	-1.43e-06	0.0	30.0	-0.02	-0.38	-6.86e-03	3.45e-05	-3.20e-03	0.20
223	309	0.29	-6.62e-04	-4.50e-06	-0.13	0.0	-0.06	-0.24	-7.11e-03	-1.59e-05	-6.62e-04	0.29
		0.20	-2.77e-03	-1.39e-06	0.0	30.0	-0.06	-0.37	-7.11e-03	-1.59e-05	-2.77e-03	0.20
223	310	0.45	-6.72e-04	-7.41e-06	-0.13	0.0	-0.07	-0.34	-8.83e-03	-2.36e-05	-6.72e-04	0.45
		0.33	-3.30e-03	-2.16e-06	0.0	30.0	-0.07	-0.47	-8.83e-03	-2.36e-05	-3.30e-03	0.33
224	19	0.19	2.44e-03	-7.00e-06	-0.13	0.0	0.32	0.09	0.02	1.16e-05	-2.73e-03	0.18
		0.18	-2.73e-03	0.0	0.0	30.0	0.32	-0.04	0.02	1.16e-05	2.44e-03	0.18
224	44	0.54	3.42e-03	-5.07e-06	-0.17	0.0	-1.44	-0.99	0.03	-3.11e-05	-5.62e-03	0.54
		0.22	-5.62e-03	-7.83e-06	0.0	30.0	-1.44	-1.16	0.03	-3.11e-05	3.42e-03	0.22
224	45	0.20	9.25e-04	1.74e-06	-0.13	0.0	-1.19	-0.57	0.01	-1.97e-05	-2.30e-03	0.20
		4.36e-03	-2.30e-03	-5.32e-06	0.0	30.0	-1.19	-0.70	0.01	-1.97e-05	9.25e-04	4.36e-03
224	52	0.66	6.15e-03	-1.23e-05	-0.17	0.0	-0.99	-0.64	0.03	-1.81e-03	-2.34e-03	0.66

		0.44	-2.34e-03	-4.04e-06	0.0	30.0	-0.99	-0.81	0.03	-1.81e-03	6.15e-03	0.44
224	68	0.59	6.85e-03	-1.03e-05	-0.17	0.0	-1.33	-0.51	0.02	-2.99e-03	6.89e-04	0.59
		0.41	6.89e-04	-3.06e-06	0.0	30.0	-1.33	-0.68	0.02	-2.99e-03	6.85e-03	0.41
224	92	0.50	3.22e-03	-1.12e-05	-0.17	0.0	0.01	-0.57	0.04	1.48e-03	-9.20e-03	0.50
		0.30	-9.20e-03	-4.47e-06	0.0	30.0	0.01	-0.74	0.04	1.48e-03	3.22e-03	0.30
224	113	2.13	0.03	-9.89e-05	-0.13	0.0	-16.47	6.51	0.14	-3.00e-03	-0.02	0.19
		0.19	-0.02	-3.10e-05	0.0	30.0	-16.47	6.37	0.14	-3.00e-03	0.03	2.13
224	116	0.46	0.01	8.55e-05	-0.13	0.0	16.01	-7.12	-0.11	2.97e-03	0.01	0.46
		-1.70	-0.02	2.62e-05	0.0	30.0	16.01	-7.25	-0.11	2.97e-03	-0.02	-1.70
224	117	2.04	0.03	-1.02e-04	-0.13	0.0	-16.18	6.20	0.15	-2.21e-03	-0.02	0.20
		0.20	-0.02	-1.55e-05	0.0	30.0	-16.18	6.07	0.15	-2.21e-03	0.03	2.04
224	120	0.46	0.01	8.89e-05	-0.13	0.0	15.72	-6.81	-0.11	2.19e-03	0.01	0.46
		-1.61	-0.02	1.07e-05	0.0	30.0	15.72	-6.94	-0.11	2.19e-03	-0.02	-1.61
224	129	1.56	0.02	-2.44e-05	-0.13	0.0	-20.59	3.84	0.10	-3.95e-03	-0.01	0.45
		0.45	-0.01	-7.74e-05	0.0	30.0	-20.59	3.71	0.10	-3.95e-03	0.02	1.56
224	132	0.20	7.56e-03	1.11e-05	-0.13	0.0	20.14	-4.46	-0.06	3.92e-03	7.56e-03	0.20
		-1.13	-0.01	7.26e-05	0.0	30.0	20.14	-4.59	-0.06	3.92e-03	-0.01	-1.13
224	145	2.37	0.03	-1.10e-04	-0.13	0.0	-18.56	7.35	0.16	-3.37e-03	-0.02	0.17
		0.17	-0.02	-3.54e-05	0.0	30.0	-18.56	7.22	0.16	-3.37e-03	0.03	2.37
224	148	0.48	0.01	9.69e-05	-0.13	0.0	18.10	-7.97	-0.12	3.34e-03	0.01	0.48
		-1.94	-0.02	3.06e-05	0.0	30.0	18.10	-8.10	-0.12	3.34e-03	-0.02	-1.94
224	149	2.27	0.03	-1.14e-04	-0.13	0.0	-18.23	7.00	0.16	-2.48e-03	-0.02	0.18
		0.18	-0.02	-1.78e-05	0.0	30.0	-18.23	6.87	0.16	-2.48e-03	0.03	2.27
224	152	0.47	0.01	1.01e-04	-0.13	0.0	17.77	-7.62	-0.13	2.45e-03	0.01	0.47
		-1.84	-0.02	1.30e-05	0.0	30.0	17.77	-7.75	-0.13	2.45e-03	-0.02	-1.84
224	161	1.74	0.02	-2.66e-05	-0.13	0.0	-23.29	4.38	0.11	-4.45e-03	-0.02	0.47
		0.47	-0.02	-8.76e-05	0.0	30.0	-23.29	4.24	0.11	-4.45e-03	0.02	1.74
224	164	0.19	8.97e-03	1.33e-05	-0.13	0.0	22.83	-4.99	-0.07	4.42e-03	8.97e-03	0.19
		-1.31	-0.01	8.28e-05	0.0	30.0	22.83	-5.12	-0.07	4.42e-03	-0.01	-1.31
224	177	2.35	0.03	-1.09e-04	-0.13	0.0	-18.83	7.28	0.16	-3.32e-03	-0.02	0.18
		0.18	-0.02	-3.95e-05	0.0	30.0	-18.83	7.15	0.16	-3.32e-03	0.03	2.35
224	180	0.47	0.01	9.53e-05	-0.13	0.0	18.37	-7.90	-0.12	3.30e-03	0.01	0.47
		-1.92	-0.02	3.47e-05	0.0	30.0	18.37	-8.03	-0.12	3.30e-03	-0.02	-1.92
224	181	2.25	0.03	-1.13e-04	-0.13	0.0	-18.42	6.92	0.16	-2.40e-03	-0.02	0.19
		0.19	-0.02	-2.12e-05	0.0	30.0	-18.42	6.79	0.16	-2.40e-03	0.03	2.25
224	184	0.46	0.01	9.94e-05	-0.13	0.0	17.96	-7.53	-0.13	2.37e-03	0.01	0.46
		-1.82	-0.02	1.64e-05	0.0	30.0	17.96	-7.66	-0.13	2.37e-03	-0.02	-1.82
224	193	1.76	0.02	-2.63e-05	-0.13	0.0	-24.06	4.44	0.11	-4.50e-03	-0.02	0.48
		0.48	-0.02	-9.20e-05	0.0	30.0	-24.06	4.30	0.11	-4.50e-03	0.02	1.76
224	196	0.18	9.24e-03	1.30e-05	-0.13	0.0	23.60	-5.05	-0.07	4.48e-03	9.24e-03	0.18
		-1.33	-0.01	8.72e-05	0.0	30.0	23.60	-5.18	-0.07	4.48e-03	-0.01	-1.33
224	209	2.72	0.03	-1.26e-04	-0.13	0.0	-22.32	8.59	0.18	-3.91e-03	-0.02	0.16
		0.16	-0.02	-4.90e-05	0.0	30.0	-22.32	8.45	0.18	-3.91e-03	0.03	2.72
224	212	0.49	0.02	1.12e-04	-0.13	0.0	21.87	-9.20	-0.14	3.89e-03	0.02	0.49
		-2.29	-0.03	4.42e-05	0.0	30.0	21.87	-9.33	-0.14	3.89e-03	-0.03	-2.29
224	213	2.60	0.03	-1.31e-04	-0.13	0.0	-21.74	8.14	0.19	-2.79e-03	-0.02	0.17
		0.17	-0.02	-2.68e-05	0.0	30.0	-21.74	8.01	0.19	-2.79e-03	0.03	2.60
224	216	0.49	0.02	1.17e-04	-0.13	0.0	21.29	-8.75	-0.15	2.77e-03	0.02	0.49
		-2.17	-0.03	2.20e-05	0.0	30.0	21.29	-8.89	-0.15	2.77e-03	-0.03	-2.17
224	225	2.06	0.02	-2.95e-05	-0.13	0.0	-28.88	5.33	0.13	-5.38e-03	-0.02	0.51
		0.51	-0.02	-1.11e-04	0.0	30.0	-28.88	5.20	0.13	-5.38e-03	0.02	2.06
224	228	0.15	0.01	1.61e-05	-0.13	0.0	28.42	-5.94	-0.09	5.35e-03	0.01	0.15
		-1.63	-0.02	1.06e-04	0.0	30.0	28.42	-6.08	-0.09	5.35e-03	-0.02	-1.63
224	248	0.20	2.42e-03	-6.32e-06	-0.13	0.0	0.13	-0.01	0.02	1.04e-05	-2.87e-03	0.20
		0.17	-2.87e-03	0.0	0.0	30.0	0.13	-0.14	0.02	1.04e-05	2.42e-03	0.17
224	261	0.21	1.41e-03	0.0	-0.13	0.0	-0.87	-0.45	0.01	-1.04e-05	-2.58e-03	0.21
		0.05	-2.58e-03	-4.14e-06	0.0	30.0	-0.87	-0.58	0.01	-1.04e-05	1.41e-03	0.05
224	264	0.38	2.46e-03	-3.77e-06	-0.13	0.0	-0.98	-0.66	0.02	-2.18e-05	-3.99e-03	0.38
		0.16	-3.99e-03	-5.37e-06	0.0	30.0	-0.98	-0.79	0.02	-2.18e-05	2.46e-03	0.16
224	268	0.45	4.28e-03	-8.57e-06	-0.13	0.0	-0.68	-0.43	0.02	-1.21e-03	-1.80e-03	0.45
		0.31	-1.80e-03	-2.84e-06	0.0	30.0	-0.68	-0.56	0.02	-1.21e-03	4.28e-03	0.31
224	276	0.41	4.75e-03	-7.28e-06	-0.13	0.0	-0.90	-0.34	0.01	-1.99e-03	2.16e-04	0.41
		0.28	2.16e-04	-2.19e-06	0.0	30.0	-0.90	-0.47	0.01	-1.99e-03	4.75e-03	0.28
224	288	0.35	2.33e-03	-7.84e-06	-0.13	0.0	-7.85e-03	-0.38	0.03	9.85e-04	-6.37e-03	0.35
		0.21	-6.37e-03	-3.13e-06	0.0	30.0	-7.85e-03	-0.51	0.03	9.85e-04	2.33e-03	0.21
224	298	0.35	2.50e-03	-7.05e-06	-0.13	0.0	-0.23	-0.33	0.02	-1.49e-05	-3.38e-03	0.35
		0.23	-3.38e-03	-2.53e-06	0.0	30.0	-0.23	-0.46	0.02	-1.49e-05	2.50e-03	0.23
224	301	0.33	2.69e-03	-6.91e-06	-0.13	0.0	-0.26	-0.32	0.02	-9.49e-06	-3.61e-03	0.33
		0.22	-3.61e-03	-2.51e-06	0.0	30.0	-0.26	-0.45	0.02	-9.49e-06	2.69e-03	0.22
224	302	0.20	2.15e-03	-4.77e-06	-0.13	0.0	-0.14	-0.13	0.02	4.85e-06	-2.79e-03	0.20
		0.14	-2.79e-03	-1.33e-06	0.0	30.0	-0.14	-0.26	0.02	4.85e-06	2.15e-03	0.14
224	304	0.20	1.94e-03	-3.60e-06	-0.13	0.0	-0.34	-0.22	0.02	0.0	-2.74e-03	0.20
		0.12	-2.74e-03	-2.09e-06	0.0	30.0	-0.34	-0.35	0.02	0.0	1.94e-03	0.12
224	305	0.33	2.31e-03	-5.89e-06	-0.13	0.0	-0.36	-0.37	0.02	-1.51e-05	-3.26e-03	0.33
		0.20	-3.26e-03	-2.91e-06	0.0	30.0	-0.36	-0.50	0.02	-1.51e-05	2.31e-03	0.20

224	307	0.33	2.77e-03	-6.60e-06	-0.13	0.0	-0.35	-0.30	0.02	-4.09e-04	-2.42e-03	0.33
		0.22	-2.42e-03	-2.27e-06	0.0	30.0	-0.35	-0.43	0.02	-4.09e-04	2.77e-03	0.22
224	309	0.20	2.08e-03	-4.38e-06	-0.13	0.0	-0.20	-0.16	0.02	3.46e-06	-2.77e-03	0.20
		0.13	-2.77e-03	-1.58e-06	0.0	30.0	-0.20	-0.29	0.02	3.46e-06	2.08e-03	0.13
224	310	0.33	2.44e-03	-6.67e-06	-0.13	0.0	-0.23	-0.31	0.02	-1.23e-05	-3.29e-03	0.33
		0.22	-3.29e-03	-2.40e-06	0.0	30.0	-0.23	-0.44	0.02	-1.23e-05	2.44e-03	0.22
225	3	-3.80	5.48e-05	4.91e-06	-8.20	0.0	0.36	1.90	3.95e-03	-2.18e-04	-1.21e-03	-3.87
		-4.53	-1.21e-03	-2.18e-06	0.0	30.0	0.36	-6.30	3.95e-03	-2.18e-04	5.48e-05	-4.53
225	20	-0.44	-1.91e-04	-2.10e-06	-2.18	0.0	0.47	0.45	6.07e-03	-2.45e-04	-2.10e-03	-0.45
		-0.64	-2.10e-03	1.08e-06	0.0	30.0	0.47	-1.73	6.07e-03	-2.45e-04	-1.91e-04	-0.64
225	36	-0.08	2.52e-03	-3.97e-06	-2.18	0.0	0.26	0.50	-5.52e-03	2.16e-04	2.52e-03	-0.10
		-0.27	7.89e-04	-4.46e-06	0.0	30.0	0.26	-1.68	-5.52e-03	2.16e-04	7.89e-04	-0.27
225	43	-2.92	4.25e-03	-3.14e-06	-6.74	0.0	-0.04	1.62	-0.01	3.47e-04	4.25e-03	-2.98
		-3.51	1.05e-03	-7.89e-06	0.0	30.0	-0.04	-5.12	-0.01	3.47e-04	1.05e-03	-3.51
225	71	-2.66	1.23e-03	-5.76e-06	-5.59	0.0	-1.09	1.93	4.95e-03	-7.14e-05	-2.75e-04	-2.76
		-3.02	-2.75e-04	-2.95e-06	0.0	30.0	-1.09	-3.66	4.95e-03	-7.14e-05	1.23e-03	-3.02
225	90	-0.76	1.71e-04	2.15e-06	-3.34	0.0	1.04	0.43	-1.43e-03	-4.22e-05	1.71e-04	-0.77
		-1.14	-2.43e-04	-1.64e-06	0.0	30.0	1.04	-2.91	-1.43e-03	-4.22e-05	-2.43e-04	-1.14
225	114	-1.91	6.76e-04	5.65e-05	-4.34	0.0	5.66	0.70	3.81e-03	-1.98e-03	-1.02e-03	-1.91
		-2.53	-1.02e-03	-3.91e-05	0.0	30.0	5.66	-3.64	3.81e-03	-1.98e-03	6.76e-04	-2.53
225	115	-1.75	1.08e-03	-5.29e-05	-4.34	0.0	-5.27	1.31	-2.99e-03	1.88e-03	1.08e-03	-1.87
		-1.95	-3.39e-04	3.50e-05	0.0	30.0	-5.27	-3.04	-2.99e-03	1.88e-03	-3.39e-04	-1.95
225	129	-2.18	0.01	-1.09e-04	-4.34	0.0	-0.48	9.36	0.07	-3.31e-03	-7.12e-03	-4.30
		-4.30	-7.12e-03	-9.55e-05	0.0	30.0	-0.48	5.02	0.07	-3.31e-03	0.01	-2.18
225	132	0.52	7.18e-03	1.12e-04	-4.34	0.0	0.88	-7.35	-0.07	3.21e-03	7.18e-03	0.52
		-2.30	-0.01	9.15e-05	0.0	30.0	0.88	-11.70	-0.07	3.21e-03	-0.01	-2.30
225	141	-2.12	0.02	-1.13e-04	-4.34	0.0	0.15	8.68	0.08	-1.04e-03	-6.34e-03	-4.06
		-4.06	-6.34e-03	-2.90e-05	0.0	30.0	0.15	4.34	0.08	-1.04e-03	0.02	-2.12
225	144	0.27	6.40e-03	1.16e-04	-4.34	0.0	0.25	-6.68	-0.08	9.35e-04	6.40e-03	0.27
		-2.36	-0.02	2.50e-05	0.0	30.0	0.25	-11.02	-0.08	9.35e-04	-0.02	-2.36
225	146	-1.91	7.19e-04	6.38e-05	-4.34	0.0	6.34	0.66	4.19e-03	-2.21e-03	-1.15e-03	-1.91
		-2.57	-1.15e-03	-4.35e-05	0.0	30.0	6.34	-3.68	4.19e-03	-2.21e-03	7.19e-04	-2.57
225	147	-1.73	1.21e-03	-6.02e-05	-4.34	0.0	-5.94	1.35	-3.37e-03	2.11e-03	1.21e-03	-1.87
		-1.92	-3.82e-04	3.95e-05	0.0	30.0	-5.94	-3.00	-3.37e-03	2.11e-03	-3.82e-04	-1.92
225	161	-2.18	0.02	-1.23e-04	-4.34	0.0	-0.59	10.47	0.08	-3.72e-03	-8.07e-03	-4.62
		-4.62	-8.07e-03	-1.08e-04	0.0	30.0	-0.59	6.13	0.08	-3.72e-03	0.02	-2.18
225	164	0.84	8.13e-03	1.27e-04	-4.34	0.0	0.98	-8.47	-0.08	3.62e-03	8.13e-03	0.84
		-2.31	-0.02	1.04e-04	0.0	30.0	0.98	-12.81	-0.08	3.62e-03	-0.02	-2.31
225	173	-2.10	0.02	-1.28e-04	-4.34	0.0	0.14	9.69	0.09	-1.16e-03	-7.18e-03	-4.34
		-4.34	-7.18e-03	-3.27e-05	0.0	30.0	0.14	5.35	0.09	-1.16e-03	0.02	-2.10
225	176	0.56	7.24e-03	1.31e-04	-4.34	0.0	0.26	-7.69	-0.09	1.06e-03	7.24e-03	0.56
		-2.38	-0.02	2.87e-05	0.0	30.0	0.26	-12.03	-0.09	1.06e-03	-0.02	-2.38
225	178	-1.90	5.84e-04	6.62e-05	-4.34	0.0	6.24	0.63	3.87e-03	-2.13e-03	-1.10e-03	-1.90
		-2.56	-1.10e-03	-4.21e-05	0.0	30.0	6.24	-3.71	3.87e-03	-2.13e-03	5.84e-04	-2.56
225	179	-1.74	1.16e-03	-6.26e-05	-4.34	0.0	-5.85	1.38	-3.05e-03	2.03e-03	1.16e-03	-1.88
		-1.92	-2.47e-04	3.80e-05	0.0	30.0	-5.85	-2.97	-3.05e-03	2.03e-03	-2.47e-04	-1.92
225	193	-2.17	0.02	-1.28e-04	-4.34	0.0	-0.68	10.83	0.08	-3.72e-03	-8.36e-03	-4.72
		-4.72	-8.36e-03	-1.12e-04	0.0	30.0	-0.68	6.49	0.08	-3.72e-03	0.02	-2.17
225	196	0.94	8.42e-03	1.32e-04	-4.34	0.0	1.07	-8.83	-0.08	3.62e-03	8.42e-03	0.94
		-2.31	-0.02	1.08e-04	0.0	30.0	1.07	-13.17	-0.08	3.62e-03	-0.02	-2.31
225	205	-2.10	0.02	-1.31e-04	-4.34	0.0	0.10	9.93	0.10	-1.16e-03	-7.36e-03	-4.41
		-4.41	-7.36e-03	-3.40e-05	0.0	30.0	0.10	5.58	0.10	-1.16e-03	0.02	-2.10
225	208	0.62	7.42e-03	1.35e-04	-4.34	0.0	0.29	-7.92	-0.10	1.06e-03	7.42e-03	0.62
		-2.39	-0.02	3.00e-05	0.0	30.0	0.29	-12.26	-0.10	1.06e-03	-0.02	-2.39
225	210	-1.90	5.88e-04	7.94e-05	-4.34	0.0	7.25	0.54	4.22e-03	-2.46e-03	-1.27e-03	-1.90
		-2.61	-1.27e-03	-4.79e-05	0.0	30.0	7.25	-3.81	4.22e-03	-2.46e-03	5.88e-04	-2.61
225	211	-1.71	1.32e-03	-7.58e-05	-4.34	0.0	-6.86	1.47	-3.41e-03	2.36e-03	1.32e-03	-1.88
		-1.88	-2.51e-04	4.39e-05	0.0	30.0	-6.86	-2.88	-3.41e-03	2.36e-03	-2.51e-04	-1.87
225	225	-2.16	0.02	-1.55e-04	-4.34	0.0	-0.90	12.85	0.10	-4.42e-03	-0.01	-5.30
		-5.30	-0.01	-1.35e-04	0.0	30.0	-0.90	8.50	0.10	-4.42e-03	0.02	-2.16
225	228	1.52	0.01	1.59e-04	-4.34	0.0	1.30	-10.84	-0.10	4.32e-03	0.01	1.52
		-2.33	-0.02	1.31e-04	0.0	30.0	1.30	-15.19	-0.10	4.32e-03	-0.02	-2.33
225	237	-2.07	0.03	-1.57e-04	-4.34	0.0	0.06	11.62	0.11	-1.37e-03	-8.75e-03	-4.88
		-4.88	-8.75e-03	-4.06e-05	0.0	30.0	0.06	7.28	0.11	-1.37e-03	0.03	-2.07
225	240	1.10	8.81e-03	1.60e-04	-4.34	0.0	0.33	-9.62	-0.11	1.27e-03	8.81e-03	1.10
		-2.41	-0.03	3.65e-05	0.0	30.0	0.33	-13.96	-0.11	1.27e-03	-0.03	-2.41
225	243	-2.58	4.07e-05	3.23e-06	-5.64	0.0	0.26	1.31	2.64e-03	-1.48e-04	-8.03e-04	-2.63
		-3.08	-8.03e-04	-1.57e-06	0.0	30.0	0.26	-4.33	2.64e-03	-1.48e-04	4.07e-05	-3.08
225	249	-0.61	-7.52e-05	-2.00e-06	-2.40	0.0	0.39	0.51	4.19e-03	-1.75e-04	-1.39e-03	-0.63
		-0.83	-1.39e-03	0.0	0.0	30.0	0.39	-1.88	4.19e-03	-1.75e-04	-7.52e-05	-0.83
225	257	-0.37	1.69e-03	-3.13e-06	-2.40	0.0	0.25	0.55	-3.54e-03	1.33e-04	1.69e-03	-0.39
		-0.59	5.78e-04	-3.42e-06	0.0	30.0	0.25	-1.85	-3.54e-03	1.33e-04	5.78e-04	-0.59
225	263	-2.00	2.83e-03	-2.23e-06	-4.67	0.0	-6.78e-03	1.12	-6.82e-03	2.29e-04	2.83e-03	-2.04
		-2.40	7.07e-04	-5.38e-06	0.0	30.0	-6.78e-03	-3.55	-6.82e-03	2.29e-04	7.07e-04	-2.40
225	275	-2.09	8.72e-04	-4.40e-06	-4.67	0.0	-0.65	1.50	3.44e-03	-5.90e-05	-1.77e-04	-2.17

		-2.42	-1.77e-04	-2.41e-06	0.0	30.0	-0.65	-3.17	3.44e-03	-5.90e-05	8.72e-04	-2.42
225	286	-0.55	1.15e-04	1.39e-06	-2.40	0.0	0.71	0.32	-9.46e-04	-3.08e-05	1.15e-04	-0.56
		-0.82	-1.58e-04	-1.21e-06	0.0	30.0	0.71	-2.08	-9.46e-04	-3.08e-05	-1.58e-04	-0.82
225	298	-2.04	1.76e-04	2.11e-06	-4.67	0.0	0.20	1.08	4.24e-04	-5.36e-05	3.10e-05	-2.07
		-2.45	3.10e-05	-2.14e-06	0.0	30.0	0.20	-3.59	4.24e-04	-5.36e-05	1.76e-04	-2.45
225	299	-0.71	1.49e-04	-1.82e-06	-2.40	0.0	0.23	0.53	4.17e-04	-3.16e-05	1.31e-05	-0.73
		-0.93	1.31e-05	-1.26e-06	0.0	30.0	0.23	-1.87	4.17e-04	-3.16e-05	1.49e-04	-0.93
225	302	-0.79	6.80e-05	-1.56e-06	-2.40	0.0	0.22	0.53	1.04e-03	-5.85e-05	-2.65e-04	-0.81
		-1.01	-2.65e-04	0.0	0.0	30.0	0.22	-1.87	1.04e-03	-5.85e-05	6.80e-05	-1.01
225	305	-1.85	5.89e-04	-1.94e-06	-4.34	0.0	0.16	1.01	-1.04e-03	6.26e-06	5.89e-04	-1.88
		-2.23	2.75e-04	-2.66e-06	0.0	30.0	0.16	-3.33	-1.04e-03	6.26e-06	2.75e-04	-2.23
225	307	-1.87	3.08e-04	-2.29e-06	-4.34	0.0	0.03	1.09	1.01e-03	-5.13e-05	-1.30e-05	-1.91
		-2.24	-1.30e-05	-2.06e-06	0.0	30.0	0.03	-3.26	1.01e-03	-5.13e-05	3.08e-04	-2.24
225	308	-0.78	5.15e-05	-1.36e-06	-2.40	0.0	0.28	0.49	1.80e-05	-2.97e-05	3.57e-05	-0.80
		-1.01	3.57e-05	-1.18e-06	0.0	30.0	0.28	-1.91	1.80e-05	-2.97e-05	5.15e-05	-1.01
225	309	-0.79	1.21e-04	-1.59e-06	-2.40	0.0	0.20	0.54	3.20e-04	-3.03e-05	1.49e-05	-0.81
		-1.00	1.49e-05	-1.21e-06	0.0	30.0	0.20	-1.86	3.20e-04	-3.03e-05	1.21e-04	-1.00
225	310	-1.86	1.68e-04	-1.87e-06	-4.34	0.0	0.20	1.00	4.09e-04	-5.02e-05	2.87e-05	-1.89
		-2.24	2.87e-05	-2.01e-06	0.0	30.0	0.20	-3.34	4.09e-04	-5.02e-05	1.68e-04	-2.24
226	3	-3.23	1.05e-04	-4.59e-05	-8.20	0.0	0.33	8.43	-0.01	-8.84e-04	1.05e-04	-4.53
		-4.53	-3.81e-03	-2.11e-06	0.0	30.0	0.33	0.24	-0.01	-8.84e-04	-3.81e-03	-3.23
226	20	-0.20	-1.33e-04	-1.48e-05	-2.18	0.0	1.04	2.57	-0.02	-1.01e-03	-1.33e-04	-0.64
		-0.64	-6.46e-03	1.19e-06	0.0	30.0	1.04	0.38	-0.02	-1.01e-03	-6.46e-03	-0.20
226	43	-2.41	0.01	-3.91e-05	-6.74	0.0	-0.10	7.03	0.04	1.45e-03	9.70e-04	-3.51
		-3.51	9.70e-04	-8.06e-06	0.0	30.0	-0.10	0.29	0.04	1.45e-03	0.01	-2.41
226	60	0.31	9.48e-04	-2.06e-05	-2.18	0.0	-0.69	3.08	-3.21e-03	-1.92e-04	9.48e-04	-0.29
		-0.29	7.30e-06	-1.73e-06	0.0	30.0	-0.69	0.89	-3.21e-03	-1.92e-04	7.30e-06	0.31
226	71	-1.96	1.25e-03	-3.83e-05	-5.59	0.0	-3.07	6.33	-3.80e-03	-3.09e-04	1.25e-03	-3.02
		-3.02	1.41e-04	-2.87e-06	0.0	30.0	-3.07	0.74	-3.80e-03	-3.09e-04	1.41e-04	-1.96
226	90	-0.58	-6.50e-05	-1.87e-05	-3.34	0.0	2.62	3.54	5.20e-04	-1.56e-04	-2.34e-04	-1.14
		-1.14	-2.34e-04	-1.66e-06	0.0	30.0	2.62	0.20	5.20e-04	-1.56e-04	-6.50e-05	-0.58
226	130	-2.45	-2.31e-03	8.73e-05	-4.34	0.0	15.97	-2.42	0.03	1.56e-03	-0.01	-2.45
		-3.74	-0.01	5.39e-05	0.0	30.0	15.97	-6.76	0.03	1.56e-03	-2.31e-03	-3.74
226	131	0.69	0.01	-1.38e-04	-4.34	0.0	-15.40	11.52	-0.03	-1.95e-03	0.01	-2.04
		-2.04	2.37e-03	-5.79e-05	0.0	30.0	-15.40	7.18	-0.03	-1.95e-03	2.37e-03	0.69
226	137	1.08	0.02	-1.46e-04	-4.34	0.0	-7.20	12.61	-0.05	-2.47e-03	0.02	-2.12
		-2.12	3.02e-03	-4.93e-05	0.0	30.0	-7.20	8.27	-0.05	-2.47e-03	3.02e-03	1.08
226	140	-2.36	-2.95e-03	9.59e-05	-4.34	0.0	7.77	-3.51	0.05	2.07e-03	-0.02	-2.36
		-4.14	-0.02	4.53e-05	0.0	30.0	7.77	-7.85	0.05	2.07e-03	-2.95e-03	-4.14
226	141	0.83	0.02	-1.41e-04	-4.34	0.0	-7.90	12.08	-0.06	-1.36e-03	0.02	-2.12
		-2.12	1.20e-03	-2.75e-05	0.0	30.0	-7.90	7.74	-0.06	-1.36e-03	1.20e-03	0.83
226	144	-2.36	-1.14e-03	9.05e-05	-4.34	0.0	8.47	-2.97	0.06	9.60e-04	-0.02	-2.36
		-3.89	-0.02	2.35e-05	0.0	30.0	8.47	-7.32	0.06	9.60e-04	-1.14e-03	-3.89
226	162	-2.47	-2.62e-03	1.02e-04	-4.34	0.0	18.02	-3.34	0.04	1.79e-03	-0.01	-2.47
		-4.04	-0.01	6.16e-05	0.0	30.0	18.02	-7.69	0.04	1.79e-03	-2.62e-03	-4.04
226	163	0.98	0.01	-1.52e-04	-4.34	0.0	-17.45	12.45	-0.04	-2.19e-03	0.01	-2.01
		-2.01	2.68e-03	-6.56e-05	0.0	30.0	-17.45	8.11	-0.04	-2.19e-03	2.68e-03	0.98
226	169	1.42	0.02	-1.62e-04	-4.34	0.0	-8.21	13.67	-0.05	-2.76e-03	0.02	-2.11
		-2.11	3.39e-03	-5.55e-05	0.0	30.0	-8.21	9.33	-0.05	-2.76e-03	3.39e-03	1.42
226	172	-2.38	-3.33e-03	1.12e-04	-4.34	0.0	8.78	-4.57	0.05	2.36e-03	-0.02	-2.38
		-4.48	-0.02	5.15e-05	0.0	30.0	8.78	-8.91	0.05	2.36e-03	-3.33e-03	-4.48
226	173	1.15	0.02	-1.56e-04	-4.34	0.0	-8.99	13.07	-0.07	-1.51e-03	0.02	-2.10
		-2.10	1.36e-03	-3.09e-05	0.0	30.0	-8.99	8.73	-0.07	-1.51e-03	1.36e-03	1.15
226	176	-2.38	-1.30e-03	1.06e-04	-4.34	0.0	9.56	-3.96	0.07	1.11e-03	-0.02	-2.38
		-4.20	-0.02	2.69e-05	0.0	30.0	9.56	-8.31	0.07	1.11e-03	-1.30e-03	-4.20
226	193	1.51	0.02	-1.69e-04	-4.34	0.0	-11.80	14.19	-0.05	-4.01e-03	0.02	-2.17
		-2.17	4.98e-03	-1.10e-04	0.0	30.0	-11.80	9.85	-0.05	-4.01e-03	4.98e-03	1.51
226	194	-2.48	-2.69e-03	1.07e-04	-4.34	0.0	18.46	-3.65	0.04	1.85e-03	-0.01	-2.48
		-4.13	-0.01	6.59e-05	0.0	30.0	18.46	-8.00	0.04	1.85e-03	-2.69e-03	-4.13
226	195	1.08	0.01	-1.57e-04	-4.34	0.0	-17.89	12.76	-0.04	-2.25e-03	0.01	-2.01
		-2.01	2.75e-03	-6.99e-05	0.0	30.0	-17.89	8.42	-0.04	-2.25e-03	2.75e-03	1.08
226	196	-2.31	-4.92e-03	1.19e-04	-4.34	0.0	12.37	-5.08	0.05	3.61e-03	-0.02	-2.31
		-4.56	-0.02	1.06e-04	0.0	30.0	12.37	-9.42	0.05	3.61e-03	-4.92e-03	-4.56
226	205	1.22	0.02	-1.59e-04	-4.34	0.0	-9.31	13.30	-0.07	-1.52e-03	0.02	-2.10
		-2.10	1.39e-03	-3.23e-05	0.0	30.0	-9.31	8.96	-0.07	-1.52e-03	1.39e-03	1.22
226	208	-2.39	-1.33e-03	1.09e-04	-4.34	0.0	9.88	-4.19	0.07	1.12e-03	-0.02	-2.39
		-4.28	-0.02	2.83e-05	0.0	30.0	9.88	-8.54	0.07	1.12e-03	-1.33e-03	-4.28
226	225	2.13	0.02	-1.99e-04	-4.34	0.0	-14.38	16.16	-0.06	-4.73e-03	0.02	-2.16
		-2.16	5.93e-03	-1.33e-04	0.0	30.0	-14.38	11.82	-0.06	-4.73e-03	5.93e-03	2.13
226	226	-2.52	-3.25e-03	1.34e-04	-4.34	0.0	22.03	-5.34	0.05	2.28e-03	-0.02	-2.52
		-4.67	-0.02	8.15e-05	0.0	30.0	22.03	-9.69	0.05	2.28e-03	-3.25e-03	-4.67
226	227	1.62	0.02	-1.84e-04	-4.34	0.0	-21.45	14.45	-0.05	-2.68e-03	0.02	-1.96
		-1.96	3.32e-03	-8.55e-05	0.0	30.0	-21.45	10.11	-0.05	-2.68e-03	3.32e-03	1.62
226	228	-2.33	-5.86e-03	1.48e-04	-4.34	0.0	14.96	-7.06	0.06	4.34e-03	-0.02	-2.33
		-5.18	-0.02	1.29e-04	0.0	30.0	14.96	-11.40	0.06	4.34e-03	-5.86e-03	-5.18

226	237	1.74	0.03	-1.85e-04	-4.34	0.0	-11.17	14.97	-0.08	-1.77e-03	0.03	-2.07
		-2.07	1.66e-03	-3.85e-05	0.0	30.0	-11.17	10.62	-0.08	-1.77e-03	1.66e-03	1.74
226	240	-2.41	-1.60e-03	1.35e-04	-4.34	0.0	11.75	-5.86	0.08	1.37e-03	-0.03	-2.41
		-4.80	-0.03	3.45e-05	0.0	30.0	11.75	-10.20	0.08	1.37e-03	-1.60e-03	-4.80
226	243	-2.18	7.50e-05	-3.18e-05	-5.64	0.0	0.26	5.82	-8.90e-03	-6.00e-04	7.50e-05	-3.08
		-3.08	-2.53e-03	-1.52e-06	0.0	30.0	0.26	0.18	-8.90e-03	-6.00e-04	-2.53e-03	-2.18
226	249	-0.37	-3.38e-05	-1.57e-05	-2.40	0.0	0.86	2.74	-0.01	-7.18e-04	-3.38e-05	-0.83
		-0.83	-4.31e-03	0.0	0.0	30.0	0.86	0.35	-0.01	-7.18e-04	-4.31e-03	-0.37
226	263	-1.64	8.63e-03	-2.72e-05	-4.67	0.0	-0.02	4.88	0.03	9.56e-04	6.51e-04	-2.40
		-2.40	6.51e-04	-5.49e-06	0.0	30.0	-0.02	0.22	0.03	9.56e-04	8.63e-03	-1.64
226	269	-0.03	6.87e-04	-1.96e-05	-2.40	0.0	-0.29	3.09	-2.33e-03	-1.73e-04	6.87e-04	-0.59
		-0.59	7.65e-06	-1.60e-06	0.0	30.0	-0.29	0.69	-2.33e-03	-1.73e-04	7.65e-06	-0.03
226	275	-1.54	8.86e-04	-3.14e-05	-4.67	0.0	-1.88	5.25	-2.72e-03	-2.51e-04	8.86e-04	-2.42
		-2.42	9.70e-05	-2.36e-06	0.0	30.0	-1.88	0.59	-2.72e-03	-2.51e-04	9.70e-05	-1.54
226	286	-0.42	-4.06e-05	-1.36e-05	-2.40	0.0	1.79	2.56	3.37e-04	-1.14e-04	-1.51e-04	-0.82
		-0.82	-1.51e-04	-1.22e-06	0.0	30.0	1.79	0.16	3.37e-04	-1.14e-04	-4.06e-05	-0.42
226	298	-1.69	1.88e-04	-2.68e-05	-4.67	0.0	0.26	4.87	-5.81e-04	-2.11e-04	1.88e-04	-2.45
		-2.45	3.41e-05	-2.13e-06	0.0	30.0	0.26	0.20	-5.81e-04	-2.11e-04	3.41e-05	-1.69
226	299	-0.48	1.56e-04	-1.53e-05	-2.40	0.0	0.56	2.69	-5.49e-04	-1.26e-04	1.56e-04	-0.93
		-0.93	3.47e-06	-1.25e-06	0.0	30.0	0.56	0.29	-5.49e-04	-1.26e-04	3.47e-06	-0.48
226	302	-0.58	8.15e-05	-1.49e-05	-2.40	0.0	0.48	2.65	-3.17e-03	-2.37e-04	8.15e-05	-1.01
		-1.01	-8.48e-04	0.0	0.0	30.0	0.48	0.25	-3.17e-03	-2.37e-04	-8.48e-04	-0.58
226	305	-1.52	1.75e-03	-2.52e-05	-4.34	0.0	0.23	4.56	4.94e-03	3.54e-05	2.72e-04	-2.23
		-2.23	2.72e-04	-2.67e-06	0.0	30.0	0.23	0.21	4.94e-03	3.54e-05	1.75e-03	-1.52
226	307	-1.50	3.19e-04	-2.60e-05	-4.34	0.0	-0.14	4.63	-9.88e-04	-2.06e-04	3.19e-04	-2.24
		-2.24	4.35e-05	-2.04e-06	0.0	30.0	-0.14	0.29	-9.88e-04	-2.06e-04	4.35e-05	-1.50
226	308	-0.58	5.80e-05	-1.45e-05	-2.40	0.0	0.66	2.61	-2.11e-04	-1.16e-04	5.80e-05	-1.01
		-1.01	5.57e-06	-1.18e-06	0.0	30.0	0.66	0.21	-2.11e-04	-1.16e-04	5.57e-06	-0.58
226	309	-0.57	1.28e-04	-1.50e-05	-2.40	0.0	0.45	2.65	-4.25e-04	-1.20e-04	1.28e-04	-1.00
		-1.00	1.19e-05	-1.20e-06	0.0	30.0	0.45	0.25	-4.25e-04	-1.20e-04	1.19e-05	-0.57
226	310	-1.53	1.80e-04	-2.51e-05	-4.34	0.0	0.29	4.55	-5.59e-04	-1.98e-04	1.80e-04	-2.24
		-2.24	3.09e-05	-2.00e-06	0.0	30.0	0.29	0.21	-5.59e-04	-1.98e-04	3.09e-05	-1.53
227	3	-1.27	1.74e-03	4.10e-05	-8.15	0.0	2.85	-0.27	8.36e-03	-1.38e-03	-2.35e-04	-1.27
		-2.57	-2.35e-04	0.0	0.0	30.0	2.85	-8.41	8.36e-03	-1.38e-03	1.74e-03	-2.57
227	19	-0.15	4.82e-03	1.14e-05	-2.15	0.0	0.93	-0.25	-7.10e-03	-2.38e-03	4.82e-03	-0.15
		-0.55	1.82e-03	1.16e-06	0.0	30.0	0.93	-2.39	-7.10e-03	-2.38e-03	1.82e-03	-0.55
227	44	-0.89	-2.41e-03	2.99e-05	-6.69	0.0	2.59	0.08	0.03	4.86e-03	-0.01	-0.89
		-1.87	-0.01	-5.24e-06	0.0	30.0	2.59	-6.61	0.03	4.86e-03	-2.41e-03	-1.87
227	69	-0.53	1.63e-03	-5.11e-06	-2.15	0.0	-0.38	1.81	0.02	5.04e-05	-5.18e-03	-0.76
		-0.76	-5.18e-03	0.0	0.0	30.0	-0.38	-0.34	0.02	5.04e-05	1.63e-03	-0.54
227	76	-0.95	4.14e-04	4.38e-05	-8.15	0.0	3.40	-0.74	9.94e-03	5.65e-05	-2.56e-03	-0.95
		-2.40	-2.56e-03	-1.93e-06	0.0	30.0	3.40	-8.89	9.94e-03	5.65e-05	4.14e-04	-2.40
227	84	0.31	1.93e-05	1.26e-05	-2.15	0.0	1.62	-0.64	-4.39e-04	1.84e-05	1.93e-05	0.31
		-0.20	-1.16e-04	0.0	0.0	30.0	1.62	-2.79	-4.39e-04	1.84e-05	-1.16e-04	-0.20
227	126	1.03	2.72e-03	8.72e-05	-4.31	0.0	2.16	-7.22	0.06	-2.80e-03	-0.02	1.03
		-1.32	-0.02	1.27e-05	0.0	30.0	2.16	-11.53	0.06	-2.80e-03	2.72e-03	-1.32
227	127	-1.27	0.01	-4.47e-05	-4.31	0.0	1.04	6.94	-0.05	2.87e-03	0.01	-2.24
		-2.24	-1.81e-03	-1.48e-05	0.0	30.0	1.04	2.64	-0.05	2.87e-03	-1.81e-03	-1.27
227	129	-1.29	2.70e-03	-1.98e-04	-4.31	0.0	0.28	22.91	2.60e-03	-9.04e-03	-8.08e-04	-7.52
		-7.52	-8.08e-04	-4.71e-05	0.0	30.0	0.28	18.61	2.60e-03	-9.04e-03	2.70e-03	-1.29
227	130	5.31	1.88e-04	2.04e-04	-4.31	0.0	3.22	-19.87	0.04	3.17e-03	-0.01	5.31
		-1.31	-0.01	2.77e-05	0.0	30.0	3.22	-24.17	0.04	3.17e-03	1.88e-04	-1.31
227	131	-1.28	7.22e-03	-1.61e-04	-4.31	0.0	-0.02	19.59	-0.02	-3.10e-03	7.22e-03	-6.52
		-6.52	7.20e-04	-2.98e-05	0.0	30.0	-0.02	15.28	-0.02	-3.10e-03	7.20e-04	-1.28
227	132	6.30	-1.79e-03	2.41e-04	-4.31	0.0	2.91	-23.19	0.01	9.11e-03	-2.98e-03	6.30
		-1.30	-2.98e-03	4.50e-05	0.0	30.0	2.91	-27.50	0.01	9.11e-03	-1.79e-03	-1.30
227	158	1.25	2.98e-03	9.58e-05	-4.31	0.0	2.23	-8.15	0.07	-3.15e-03	-0.02	1.25
		-1.32	-0.02	1.44e-05	0.0	30.0	2.23	-12.45	0.07	-3.15e-03	2.98e-03	-1.32
227	159	-1.26	0.02	-5.33e-05	-4.31	0.0	0.97	7.87	-0.05	3.22e-03	0.02	-2.46
		-2.46	-2.08e-03	-1.65e-05	0.0	30.0	0.97	3.56	-0.05	3.22e-03	-2.08e-03	-1.26
227	161	-1.29	2.96e-03	-2.28e-04	-4.31	0.0	0.11	25.98	1.76e-03	-0.01	-6.23e-04	-8.44
		-8.44	-6.23e-04	-5.32e-05	0.0	30.0	0.11	21.67	1.76e-03	-0.01	2.96e-03	-1.29
227	162	6.09	1.59e-04	2.28e-04	-4.31	0.0	3.43	-22.50	0.04	3.60e-03	-0.01	6.09
		-1.31	-0.01	3.17e-05	0.0	30.0	3.43	-26.80	0.04	3.60e-03	1.59e-04	-1.31
227	163	-1.27	8.35e-03	-1.86e-04	-4.31	0.0	-0.23	22.22	-0.03	-3.53e-03	8.35e-03	-7.31
		-7.31	7.49e-04	-3.38e-05	0.0	30.0	-0.23	17.91	-0.03	-3.53e-03	7.49e-04	-1.27
227	164	7.22	-2.05e-03	2.70e-04	-4.31	0.0	3.09	-26.26	0.01	0.01	-3.16e-03	7.22
		-1.30	-3.16e-03	5.11e-05	0.0	30.0	3.09	-30.56	0.01	0.01	-2.05e-03	-1.30
227	190	1.30	2.78e-03	9.75e-05	-4.31	0.0	2.21	-8.34	0.06	-3.07e-03	-0.02	1.30
		-1.32	-0.02	1.44e-05	0.0	30.0	2.21	-12.64	0.06	-3.07e-03	2.78e-03	-1.32
227	191	-1.26	0.02	-5.50e-05	-4.31	0.0	0.99	8.06	-0.05	3.14e-03	0.02	-2.52
		-2.52	-1.88e-03	-1.66e-05	0.0	30.0	0.99	3.75	-0.05	3.14e-03	-1.88e-03	-1.26
227	193	-1.29	2.79e-03	-2.37e-04	-4.31	0.0	0.04	26.98	4.09e-04	-0.01	-2.98e-04	-8.74
		-8.74	-2.98e-04	-5.53e-05	0.0	30.0	0.04	22.68	4.09e-04	-0.01	2.79e-03	-1.29
227	194	6.36	1.84e-04	2.37e-04	-4.31	0.0	3.48	-23.38	0.04	3.82e-03	-0.01	6.36

		-1.31	-0.01	3.38e-05	0.0	30.0	3.48	-27.69	0.04	3.82e-03	1.84e-04	-1.31
227	195	-1.27	8.26e-03	-1.94e-04	-4.31	0.0	-0.28	23.11	-0.03	-3.75e-03	8.26e-03	-7.57
		-7.57	7.23e-04	-3.60e-05	0.0	30.0	-0.28	18.80	-0.03	-3.75e-03	7.23e-04	-1.27
227	196	7.53	-1.89e-03	2.79e-04	-4.31	0.0	3.16	-27.26	0.02	0.01	-3.49e-03	7.53
		-1.30	-3.49e-03	5.32e-05	0.0	30.0	3.16	-31.57	0.02	0.01	-1.89e-03	-1.30
227	222	1.67	3.13e-03	1.12e-04	-4.31	0.0	2.31	-9.88	0.07	-3.55e-03	-0.02	1.67
		-1.33	-0.02	1.71e-05	0.0	30.0	2.31	-14.18	0.07	-3.55e-03	3.13e-03	-1.33
227	223	-1.26	0.02	-6.93e-05	-4.31	0.0	0.89	9.60	-0.06	3.62e-03	0.02	-2.89
		-2.89	-2.22e-03	-1.93e-05	0.0	30.0	0.89	5.29	-0.06	3.62e-03	-2.22e-03	-1.26
227	225	-1.29	3.19e-03	-2.90e-04	-4.31	0.0	-0.28	32.55	-1.54e-03	-0.01	1.49e-04	-10.41
		-10.41	1.49e-04	-6.67e-05	0.0	30.0	-0.28	28.24	-1.54e-03	-0.01	3.19e-03	-1.29
227	226	7.80	1.23e-04	2.82e-04	-4.31	0.0	3.86	-28.18	0.05	4.68e-03	-0.01	7.80
		-1.32	-0.01	4.18e-05	0.0	30.0	3.86	-32.48	0.05	4.68e-03	1.23e-04	-1.32
227	227	-1.27	0.01	-2.39e-04	-4.31	0.0	-0.66	27.90	-0.03	-4.61e-03	0.01	-9.01
		-9.01	7.84e-04	-4.40e-05	0.0	30.0	-0.66	23.59	-0.03	-4.61e-03	7.84e-04	-1.27
227	228	9.19	-2.28e-03	3.32e-04	-4.31	0.0	3.48	-32.82	0.02	0.01	-3.93e-03	9.19
		-1.30	-3.93e-03	6.46e-05	0.0	30.0	3.48	-37.13	0.02	0.01	-2.28e-03	-1.30
227	243	-0.86	1.18e-03	2.82e-05	-5.60	0.0	1.98	-0.19	5.78e-03	-9.19e-04	-1.98e-04	-0.86
		-1.76	-1.98e-04	0.0	0.0	30.0	1.98	-5.80	5.78e-03	-9.19e-04	1.18e-03	-1.76
227	248	-0.19	2.78e-03	1.20e-05	-2.36	0.0	1.01	-0.21	-2.90e-03	-1.58e-03	2.78e-03	-0.19
		-0.60	1.33e-03	0.0	0.0	30.0	1.01	-2.57	-2.90e-03	-1.58e-03	1.33e-03	-0.60
227	264	-0.61	-1.58e-03	2.08e-05	-4.63	0.0	1.81	0.04	0.02	3.24e-03	-9.76e-03	-0.61
		-1.29	-9.76e-03	-3.55e-06	0.0	30.0	1.81	-4.59	0.02	3.24e-03	-1.58e-03	-1.29
227	273	-0.51	1.20e-03	-1.53e-06	-2.36	0.0	0.14	1.16	0.02	4.43e-05	-3.89e-03	-0.59
		-0.60	-3.89e-03	0.0	0.0	30.0	0.14	-1.20	0.02	4.43e-05	1.20e-03	-0.60
227	280	-0.65	2.98e-04	3.01e-05	-5.60	0.0	2.35	-0.51	6.84e-03	3.85e-05	-1.75e-03	-0.65
		-1.64	-1.75e-03	-1.34e-06	0.0	30.0	2.35	-6.11	6.84e-03	3.85e-05	2.98e-04	-1.64
227	281	0.12	3.70e-05	1.29e-05	-2.36	0.0	1.48	-0.47	1.55e-03	2.30e-05	-4.21e-04	0.12
		-0.37	-4.21e-04	0.0	0.0	30.0	1.48	-2.83	1.55e-03	2.30e-05	3.70e-05	-0.37
227	298	-0.67	4.81e-04	2.29e-05	-4.63	0.0	1.70	-0.14	8.43e-03	3.70e-05	-2.04e-03	-0.67
		-1.41	-2.04e-03	-1.13e-06	0.0	30.0	1.70	-4.77	8.43e-03	3.70e-05	4.81e-04	-1.41
227	299	-0.17	2.96e-04	1.11e-05	-2.36	0.0	1.06	-0.12	4.58e-03	2.56e-05	-1.07e-03	-0.17
		-0.56	-1.07e-03	0.0	0.0	30.0	1.06	-2.48	4.58e-03	2.56e-05	2.96e-04	-0.56
227	303	-0.60	6.61e-04	2.14e-05	-4.31	0.0	1.60	-0.15	6.39e-03	-2.85e-04	-1.13e-03	-0.60
		-1.29	-1.13e-03	0.0	0.0	30.0	1.60	-4.46	6.39e-03	-2.85e-04	6.61e-04	-1.29
227	305	-0.61	3.95e-05	2.10e-05	-4.31	0.0	1.60	-0.11	0.01	6.76e-04	-3.41e-03	-0.61
		-1.29	-3.41e-03	-1.53e-06	0.0	30.0	1.60	-4.41	0.01	6.76e-04	3.95e-05	-1.29
227	306	-0.29	4.74e-04	9.34e-06	-2.36	0.0	0.84	0.13	6.92e-03	2.87e-05	-1.59e-03	-0.29
		-0.60	-1.59e-03	0.0	0.0	30.0	0.84	-2.23	6.92e-03	2.87e-05	4.74e-04	-0.60
227	309	-0.21	2.92e-04	1.14e-05	-2.36	0.0	1.02	-0.13	4.39e-03	2.48e-05	-1.02e-03	-0.21
		-0.60	-1.02e-03	0.0	0.0	30.0	1.02	-2.49	4.39e-03	2.48e-05	2.92e-04	-0.60
227	310	-0.61	4.54e-04	2.12e-05	-4.31	0.0	1.60	-0.14	7.85e-03	3.53e-05	-1.89e-03	-0.61
		-1.29	-1.89e-03	-1.06e-06	0.0	30.0	1.60	-4.44	7.85e-03	3.53e-05	4.54e-04	-1.29
228	3	-0.43	2.31e-03	-6.48e-05	-8.15	0.0	1.01	11.22	-1.77e-03	-1.11e-03	1.87e-03	-2.57
		-2.57	1.87e-03	0.0	0.0	30.0	1.01	3.08	-1.77e-03	-1.11e-03	2.31e-03	-0.43
228	17	-0.28	3.72e-03	-5.31e-05	-6.69	0.0	0.88	9.25	-1.22e-03	-1.89e-03	2.46e-03	-2.06
		-2.06	2.46e-03	0.0	0.0	30.0	0.88	2.56	-1.22e-03	-1.89e-03	3.72e-03	-0.28
228	46	0.38	-3.29e-03	-2.03e-05	-2.15	0.0	0.43	3.56	-1.92e-03	3.92e-03	-3.29e-03	-0.36
		-0.36	-7.14e-03	-4.07e-06	0.0	30.0	0.43	1.41	-1.92e-03	3.92e-03	-7.14e-03	0.38
228	66	0.92	1.78e-03	-4.32e-05	-3.29	0.0	-0.04	6.92	-4.07e-03	4.25e-05	1.78e-03	-0.66
		-0.66	5.68e-04	0.0	0.0	30.0	-0.04	3.64	-4.07e-03	4.25e-05	5.68e-04	0.92
228	69	0.68	1.63e-03	-3.36e-05	-2.15	0.0	-0.32	5.14	-3.66e-03	1.50e-05	1.63e-03	-0.54
		-0.54	5.46e-04	0.0	0.0	30.0	-0.32	3.00	-3.66e-03	1.50e-05	5.46e-04	0.68
228	92	-0.33	1.06e-05	-4.65e-05	-6.69	0.0	1.30	8.52	-3.74e-04	6.43e-05	1.06e-05	-1.88
		-1.88	-1.22e-04	-1.55e-06	0.0	30.0	1.30	1.83	-3.74e-04	6.43e-05	-1.22e-04	-0.33
228	113	3.46	3.27e-03	-1.39e-04	-4.31	0.0	0.85	17.99	-8.85e-03	-6.04e-03	3.27e-03	-1.32
		-1.32	7.13e-04	-4.06e-05	0.0	30.0	0.85	13.68	-8.85e-03	-6.04e-03	7.13e-04	3.46
228	116	-1.27	-5.43e-04	6.93e-05	-4.31	0.0	0.31	-5.83	6.47e-03	6.11e-03	-2.37e-03	-1.27
		-3.69	-2.37e-03	3.86e-05	0.0	30.0	0.31	-10.14	6.47e-03	6.11e-03	-5.43e-04	-3.69
228	129	6.77	2.75e-03	-2.50e-04	-4.31	0.0	0.06	29.03	-0.01	-6.39e-03	2.75e-03	-1.29
		-1.29	-3.35e-04	-4.63e-05	0.0	30.0	0.06	24.72	-0.01	-6.39e-03	-3.35e-04	6.77
228	130	-1.31	1.00e-03	1.53e-04	-4.31	0.0	1.38	-13.56	4.33e-03	3.73e-03	-4.49e-04	-1.31
		-6.01	-4.49e-04	2.72e-05	0.0	30.0	1.38	-17.86	4.33e-03	3.73e-03	1.00e-03	-6.01
228	131	5.78	1.35e-03	-2.24e-04	-4.31	0.0	-0.22	25.71	-6.71e-03	-3.65e-03	1.35e-03	-1.28
		-1.28	-8.32e-04	-2.91e-05	0.0	30.0	-0.22	21.41	-6.71e-03	-3.65e-03	-8.32e-04	5.78
228	132	-1.30	5.04e-04	1.80e-04	-4.31	0.0	1.10	-16.87	7.63e-03	6.46e-03	-1.85e-03	-1.30
		-7.01	-1.85e-03	4.43e-05	0.0	30.0	1.10	-21.18	7.63e-03	6.46e-03	5.04e-04	-7.01
228	145	3.93	3.59e-03	-1.53e-04	-4.31	0.0	0.88	19.57	-9.74e-03	-6.79e-03	3.59e-03	-1.32
		-1.32	7.79e-04	-4.56e-05	0.0	30.0	0.88	15.27	-9.74e-03	-6.79e-03	7.79e-04	3.93
228	148	-1.27	-6.10e-04	8.33e-05	-4.31	0.0	0.29	-7.42	7.36e-03	6.87e-03	-2.69e-03	-1.27
		-4.16	-2.69e-03	4.37e-05	0.0	30.0	0.29	-11.72	7.36e-03	6.87e-03	-6.10e-04	-4.16
228	161	7.69	3.02e-03	-2.78e-04	-4.31	0.0	-0.01	32.08	-0.01	-7.21e-03	3.02e-03	-1.29
		-1.29	-3.95e-04	-5.23e-05	0.0	30.0	-0.01	27.78	-0.01	-7.21e-03	-3.95e-04	7.69
228	162	-1.31	1.12e-03	1.79e-04	-4.31	0.0	1.49	-16.18	5.05e-03	4.22e-03	-5.67e-04	-1.31
		-6.80	-5.67e-04	3.11e-05	0.0	30.0	1.49	-20.48	5.05e-03	4.22e-03	1.12e-03	-6.80

228	163	6.57	1.46e-03	-2.49e-04	-4.31	0.0	-0.33	28.33	-7.43e-03	-4.14e-03	1.46e-03	-1.27
		-1.27	-9.48e-04	-3.30e-05	0.0	30.0	-0.33	24.03	-7.43e-03	-4.14e-03	-9.48e-04	6.57
228	164	-1.30	5.65e-04	2.08e-04	-4.31	0.0	1.17	-19.93	8.73e-03	7.29e-03	-2.13e-03	-1.30
		-7.92	-2.13e-03	5.04e-05	0.0	30.0	1.17	-24.23	8.73e-03	7.29e-03	5.65e-04	-7.92
228	177	4.07	3.29e-03	-1.58e-04	-4.31	0.0	0.85	20.05	-9.16e-03	-6.73e-03	3.29e-03	-1.32
		-1.32	6.72e-04	-4.62e-05	0.0	30.0	0.85	15.75	-9.16e-03	-6.73e-03	6.72e-04	4.07
228	180	-1.27	-5.02e-04	8.80e-05	-4.31	0.0	0.32	-7.90	6.78e-03	6.81e-03	-2.40e-03	-1.27
		-4.31	-2.40e-03	4.43e-05	0.0	30.0	0.32	-12.20	6.78e-03	6.81e-03	-5.02e-04	-4.31
228	193	7.99	2.91e-03	-2.88e-04	-4.31	0.0	-0.04	33.08	-0.01	-7.32e-03	2.91e-03	-1.29
		-1.29	-4.52e-04	-5.45e-05	0.0	30.0	-0.04	28.78	-0.01	-7.32e-03	-4.52e-04	7.99
228	194	-1.31	1.11e-03	1.87e-04	-4.31	0.0	1.50	-17.06	5.26e-03	4.38e-03	-6.20e-04	-1.31
		-7.06	-6.20e-04	3.33e-05	0.0	30.0	1.50	-21.36	5.26e-03	4.38e-03	1.11e-03	-7.06
228	195	6.83	1.52e-03	-2.57e-04	-4.31	0.0	-0.34	29.21	-7.64e-03	-4.31e-03	1.52e-03	-1.27
		-1.27	-9.45e-04	-3.52e-05	0.0	30.0	-0.34	24.91	-7.64e-03	-4.31e-03	-9.45e-04	6.83
228	196	-1.30	6.22e-04	2.18e-04	-4.31	0.0	1.20	-20.93	8.58e-03	7.39e-03	-2.01e-03	-1.30
		-8.22	-2.01e-03	5.25e-05	0.0	30.0	1.20	-25.23	8.58e-03	7.39e-03	6.22e-04	-8.22
228	209	4.92	3.75e-03	-1.83e-04	-4.31	0.0	0.88	22.88	-0.01	-7.94e-03	3.75e-03	-1.32
		-1.32	7.53e-04	-5.47e-05	0.0	30.0	0.88	18.57	-0.01	-7.94e-03	7.53e-04	4.92
228	212	-1.26	-5.84e-04	1.13e-04	-4.31	0.0	0.28	-10.72	8.13e-03	8.01e-03	-2.86e-03	-1.26
		-5.15	-2.86e-03	5.28e-05	0.0	30.0	0.28	-15.03	8.13e-03	8.01e-03	-5.84e-04	-5.15
228	225	9.65	3.35e-03	-3.40e-04	-4.31	0.0	-0.17	38.62	-0.01	-8.75e-03	3.35e-03	-1.29
		-1.29	-5.73e-04	-6.58e-05	0.0	30.0	-0.17	34.31	-0.01	-8.75e-03	-5.73e-04	9.65
228	226	-1.32	1.31e-03	2.32e-04	-4.31	0.0	1.68	-21.83	6.59e-03	5.30e-03	-8.49e-04	-1.32
		-8.50	-8.49e-04	4.12e-05	0.0	30.0	1.68	-26.13	6.59e-03	5.30e-03	1.31e-03	-8.50
228	227	8.26	1.75e-03	-3.02e-04	-4.31	0.0	-0.52	33.98	-8.98e-03	-5.23e-03	1.75e-03	-1.27
		-1.27	-1.14e-03	-4.32e-05	0.0	30.0	-0.52	29.68	-8.98e-03	-5.23e-03	-1.14e-03	8.26
228	228	-1.30	7.43e-04	2.70e-04	-4.31	0.0	1.33	-26.46	0.01	8.82e-03	-2.45e-03	-1.30
		-9.89	-2.45e-03	6.38e-05	0.0	30.0	1.33	-30.77	0.01	8.82e-03	7.43e-04	-9.89
228	243	-0.27	1.55e-03	-4.47e-05	-5.60	0.0	0.71	7.75	-1.24e-03	-7.40e-04	1.27e-03	-1.76
		-1.76	1.27e-03	0.0	0.0	30.0	0.71	2.15	-1.24e-03	-7.40e-04	1.55e-03	-0.27
228	250	-0.18	2.49e-03	-3.69e-05	-4.63	0.0	0.62	6.43	-8.73e-04	-1.26e-03	1.66e-03	-1.41
		-1.41	1.66e-03	0.0	0.0	30.0	0.62	1.80	-8.73e-04	-1.26e-03	2.49e-03	-0.18
228	262	0.29	-2.08e-03	-2.13e-05	-2.36	0.0	0.44	3.74	-1.58e-03	2.63e-03	-2.08e-03	-0.48
		-0.48	-4.74e-03	-2.95e-06	0.0	30.0	0.44	1.38	-1.58e-03	2.63e-03	-4.74e-03	0.29
228	273	0.49	1.20e-03	-3.02e-05	-2.36	0.0	-0.06	4.80	-2.74e-03	2.59e-05	1.20e-03	-0.60
		-0.60	3.83e-04	0.0	0.0	30.0	-0.06	2.43	-2.74e-03	2.59e-05	3.83e-04	0.49
228	274	0.63	1.21e-03	-3.03e-05	-2.36	0.0	5.90e-03	4.88	-2.77e-03	2.81e-05	1.21e-03	-0.48
		-0.48	3.82e-04	0.0	0.0	30.0	5.90e-03	2.52	-2.77e-03	2.81e-05	3.82e-04	0.63
228	288	-0.21	2.88e-05	-3.26e-05	-4.63	0.0	0.90	5.95	-3.08e-04	4.26e-05	2.88e-05	-1.30
		-1.30	-7.73e-05	-1.08e-06	0.0	30.0	0.90	1.32	-3.08e-04	4.26e-05	-7.73e-05	-0.21
228	298	-0.15	4.75e-04	-3.76e-05	-4.63	0.0	0.61	6.51	-1.26e-03	3.66e-05	4.75e-04	-1.41
		-1.41	9.06e-05	-1.05e-06	0.0	30.0	0.61	1.88	-1.26e-03	3.66e-05	9.06e-05	-0.15
228	303	-0.12	6.86e-04	-3.49e-05	-4.31	0.0	0.58	6.06	-1.11e-03	-2.23e-04	6.86e-04	-1.29
		-1.29	5.64e-04	0.0	0.0	30.0	0.58	1.76	-1.11e-03	-2.23e-04	5.64e-04	-0.12
228	304	0.10	-1.88e-04	-2.02e-05	-2.36	0.0	0.40	3.53	-9.29e-04	5.52e-04	-1.88e-04	-0.60
		-0.60	-9.09e-04	-1.07e-06	0.0	30.0	0.40	1.17	-9.29e-04	5.52e-04	-9.09e-04	0.10
228	306	0.17	4.70e-04	-2.20e-05	-2.36	0.0	0.31	3.76	-1.17e-03	3.19e-05	4.70e-04	-0.60
		-0.60	1.17e-04	0.0	0.0	30.0	0.31	1.40	-1.17e-03	3.19e-05	1.17e-04	0.17
228	309	0.09	2.88e-04	-1.99e-05	-2.36	0.0	0.40	3.50	-7.74e-04	3.34e-05	2.88e-04	-0.60
		-0.60	4.98e-05	0.0	0.0	30.0	0.40	1.14	-7.74e-04	3.34e-05	4.98e-05	0.09
228	310	-0.12	4.48e-04	-3.50e-05	-4.31	0.0	0.58	6.08	-1.19e-03	3.62e-05	4.48e-04	-1.29
		-1.29	8.48e-05	0.0	0.0	30.0	0.58	1.77	-1.19e-03	3.62e-05	8.48e-05	-0.12

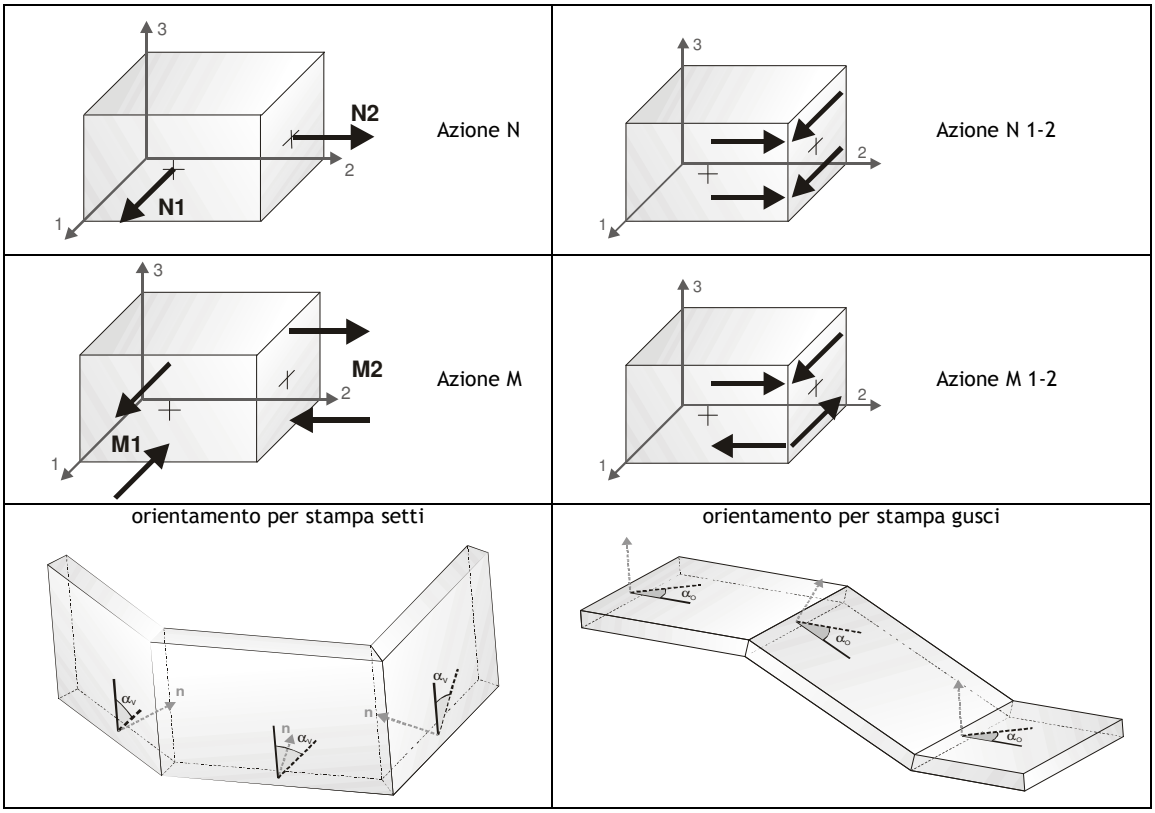
Trave	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-156.79	-2.51	-0.03	-360.61	-57.83	-182.25	-32.04	-0.52
	147.36	2.53	0.01	0.0	56.71	179.87	32.83	0.53

33 RISULTATI ELEMENTI TIPO SHELL

33.1 LEGENDA RISULTATI ELEMENTI TIPO SHELL

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo shell, è possibile in relazione alle tabelle sottoriportate.

Per ogni elemento, e per ogni combinazione(o caso di carico) vengono riportati i risultati più significativi.



In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

tensione di Von Mises		(valore riassuntivo del complessivo stato di sollecitazione)
N max		sforzo membranale principale massimo
N min		sforzo membranale principale minimo
M max		sforzo flessionale principale massimo
M min		sforzo flessionale principale minimo
N1	**N2**	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)
N1-2	**M1**	
M2	**M1-2**	

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.

In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.

I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_O attorno all'asse Z per i gusci e ruotata di α_V attorno alla normale (che per definizione è orizzontale) al piano del setto.

Per i setti, in particolare, se α_V è zero, l'asse '1-1 rappresenta la verticale e l'asse '2-2 l'orizzontale contenuta nel setto.

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

N memb.	Azione membranale complessiva agente sulla parete in direzione Z
V memb.	Azione complessiva di taglio agente nel piano del macroelemento
V orto	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
M memb.	Azione flessionale complessiva agente nel piano del macroelemento
M orto	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento

T	Azione torsionale complessiva agente nel piano orizzontale

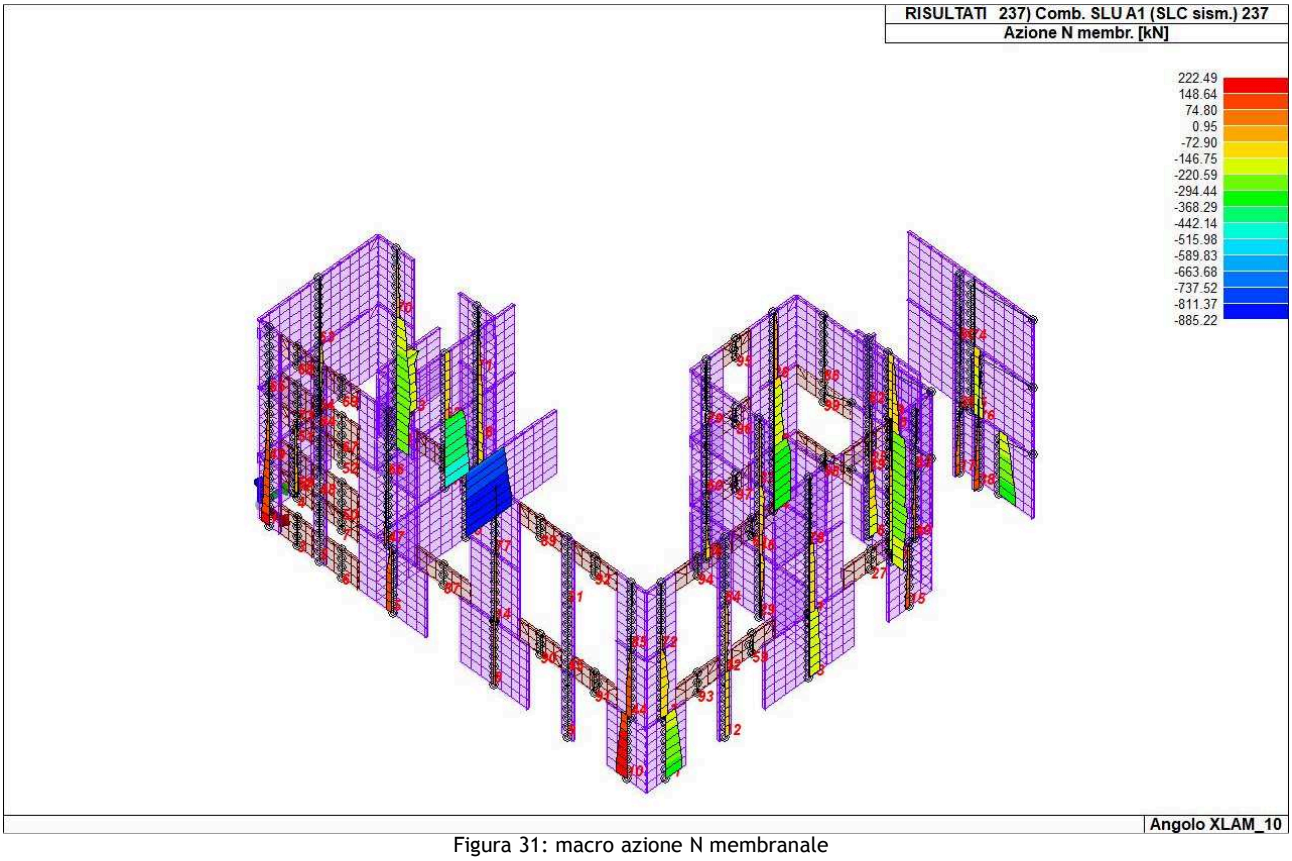


Figura 31: macro azione N membranale

Figura 32: macro azione V membranale

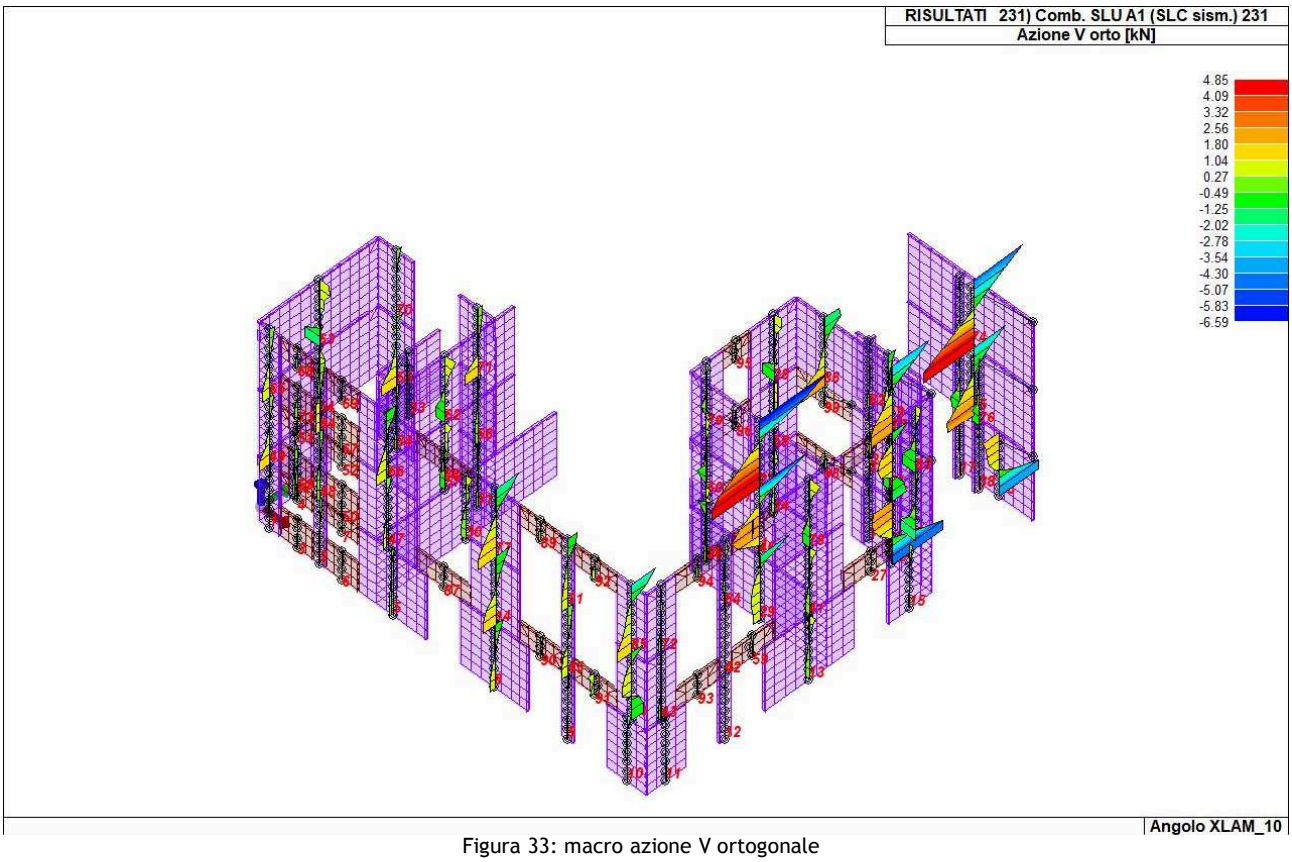


Figura 33: macro azione V ortogonale

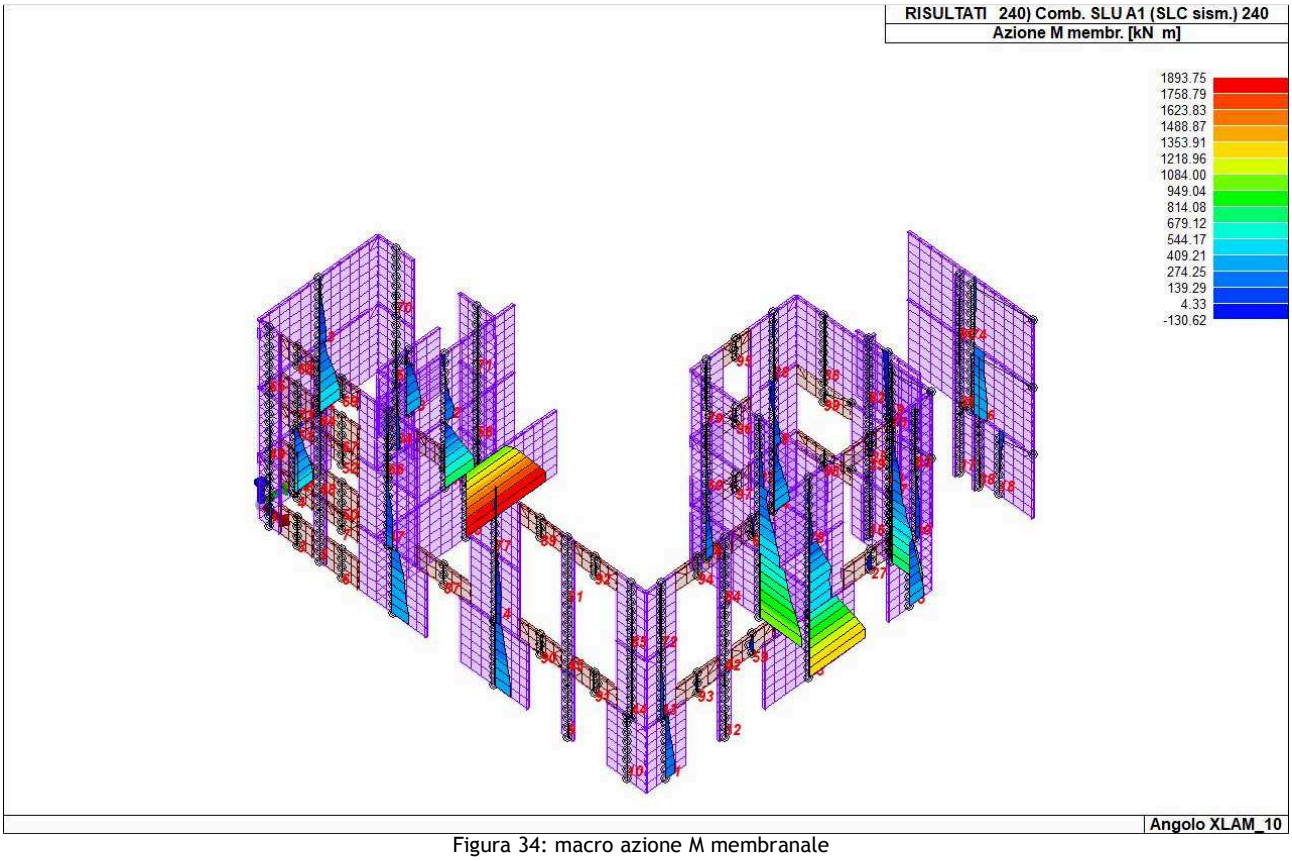


Figura 34: macro azione M membranale

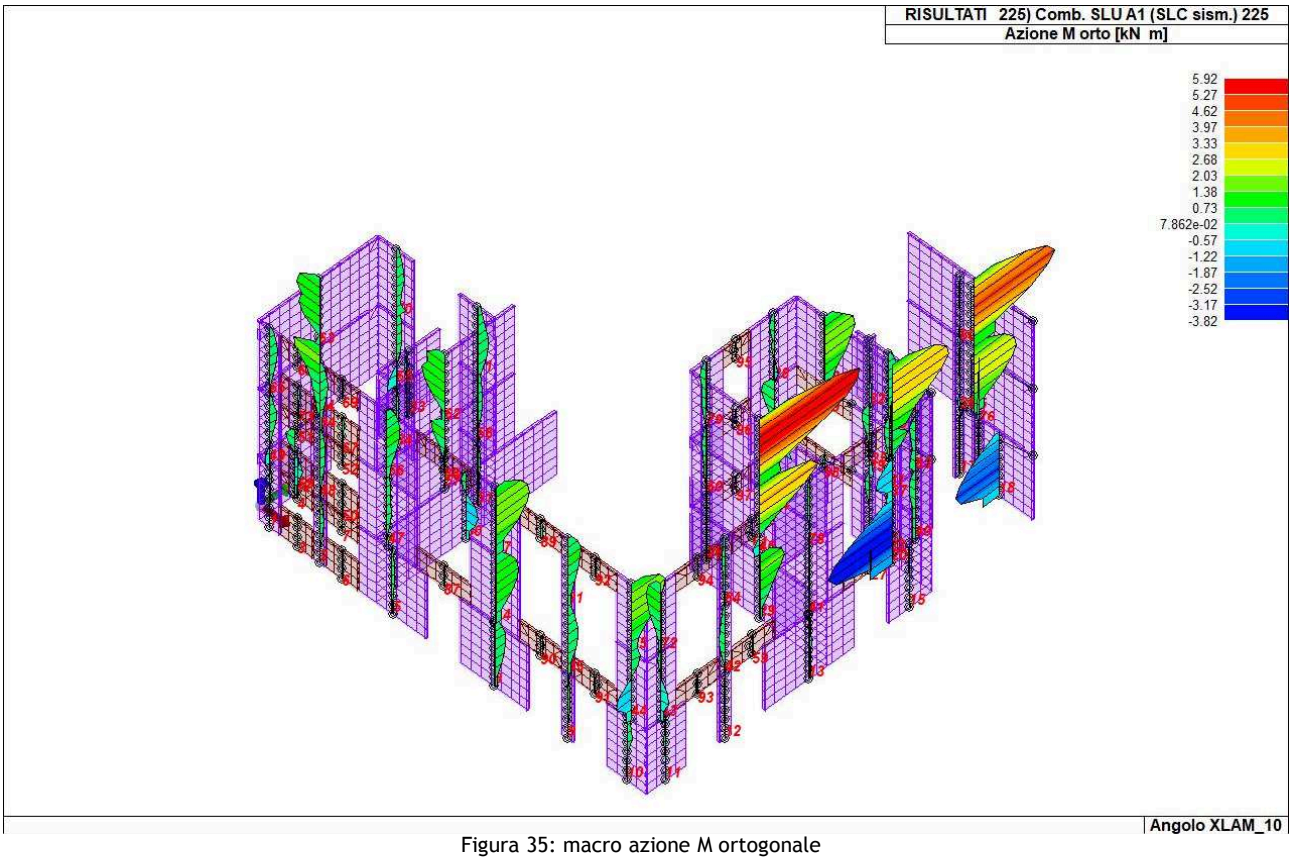


Figura 35: macro azione M ortogonale

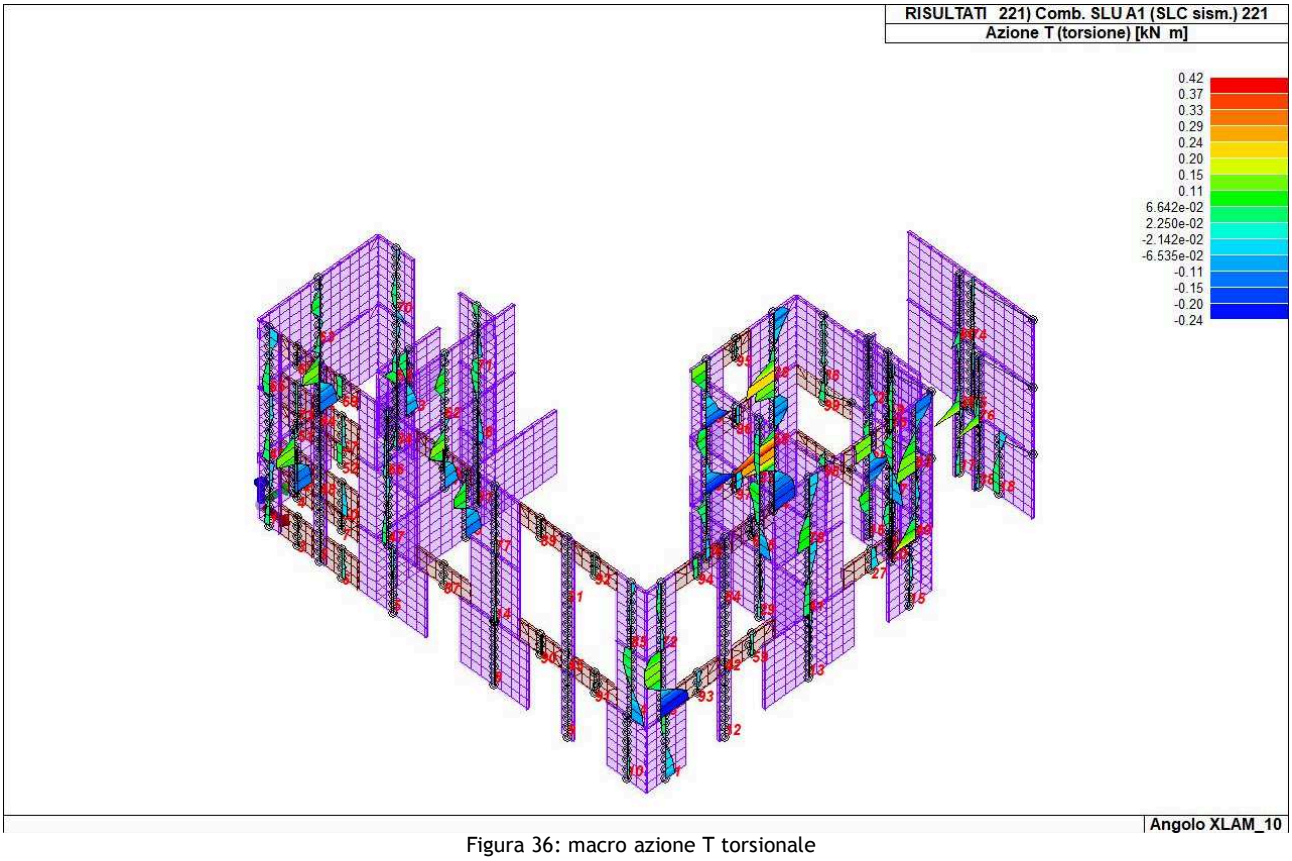


Figura 36: macro azione T torsionale

Macro	Tipo	Angolo 1-Z (gradi)
1	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
1	45	0.0	-27.57	-2.18	-1.79e-03	5.49	0.0	1.69e-03
1	45	50.00	-27.57	-2.18	-1.79e-03	4.40	-8.93e-04	2.93e-03
1	45	100.00	-24.80	-1.97	-8.77e-03	3.37	-5.28e-03	2.88e-03
1	45	150.00	-22.76	-2.18	-6.42e-03	2.51	-8.49e-03	2.19e-03
1	45	200.00	-21.66	-4.72	-7.62e-04	0.58	-8.87e-03	1.18e-03
1	45	250.00	-21.76	-4.73	7.48e-03	-1.48	-5.13e-03	3.15e-04
1	45	295.00	-19.57	-1.59	-1.88e-03	-0.62	-5.97e-03	-2.16e-03
1	45	340.00	-9.00	-0.87	7.43e-03	-4.48	1.91e-03	-3.62e-03
1	68	0.0	-22.84	-0.08	1.31	-0.34	0.0	0.18
1	68	50.00	-22.84	-0.08	1.31	-0.38	0.65	0.28
1	68	100.00	-21.75	-0.12	1.04	-0.57	1.17	0.18
1	68	150.00	-21.46	-0.23	0.69	-0.79	1.52	0.08
1	68	200.00	-21.88	-0.29	-0.23	-1.12	1.40	-0.07
1	68	250.00	-21.93	-0.29	-0.57	-0.92	1.12	-0.16
1	68	295.00	-20.86	0.24	-1.26	0.58	0.55	-0.26
1	68	340.00	-9.04	0.40	-1.24	-4.23	-0.05	-0.20
1	69	0.0	-7.04	-0.26	1.33	-1.70	0.0	0.18
1	69	50.00	-7.04	-0.26	1.33	-1.83	0.66	0.27
1	69	100.00	-7.16	-0.37	1.05	-1.55	1.19	0.18
1	69	150.00	-7.60	-0.51	0.70	-1.41	1.54	0.08
1	69	200.00	-8.36	-0.60	-0.23	-1.40	1.42	-0.07
1	69	250.00	-8.88	-0.60	-0.59	-1.16	1.13	-0.16
1	69	295.00	-8.71	-0.38	-1.27	-0.29	0.56	-0.25
1	69	340.00	-4.34	-0.39	-1.25	-1.91	-0.05	-0.20
1	92	0.0	-44.53	0.45	-0.70	3.48	0.0	-0.08
1	92	50.00	-44.53	0.45	-0.70	3.71	-0.35	-0.13
1	92	100.00	-40.90	0.63	-0.55	2.41	-0.63	-0.08
1	92	150.00	-38.51	0.68	-0.36	1.29	-0.81	-0.03
1	92	200.00	-37.18	0.74	0.12	0.14	-0.75	0.03
1	92	250.00	-35.26	0.73	0.32	-0.24	-0.59	0.08
1	92	295.00	-31.84	1.40	0.65	1.08	-0.29	0.12
1	92	340.00	-13.22	1.70	0.64	-6.55	0.03	0.09
1	113	0.0	17.23	33.43	-0.05	-33.85	-8.44e-03	0.03
1	113	50.00	17.23	33.43	-0.05	-33.76	-0.02	0.03
1	113	100.00	8.66	28.80	0.02	-32.99	-0.03	0.02
1	113	150.00	-1.26	29.79	0.07	-33.51	-0.01	0.01
1	113	200.00	-7.38	66.08	0.01	-28.76	-1.15e-03	-9.76e-03
1	113	250.00	26.59	66.05	0.03	-5.66	0.08	-0.02
1	113	295.00	6.53	27.50	-0.02	2.46	0.05	-0.01
1	113	340.00	25.92	20.51	-0.10	-4.00	0.03	-0.03
1	137	0.0	95.74	9.80	0.02	-30.60	9.25e-03	0.06
1	137	50.00	95.74	9.80	0.02	-30.52	-2.63e-05	0.05
1	137	100.00	87.18	6.56	0.12	-26.99	0.03	0.04
1	137	150.00	77.95	6.76	0.14	-24.18	0.10	0.02
1	137	200.00	70.12	19.43	0.04	-19.00	0.14	-8.91e-03
1	137	250.00	73.91	19.59	-0.02	-8.05	0.17	-0.03
1	137	295.00	60.09	3.42	-0.16	-3.40	0.13	-0.04
1	137	340.00	64.24	1.34	-0.22	-7.21	0.06	-0.05
1	141	0.0	103.24	8.09	0.01	-31.15	7.67e-03	0.06
1	141	50.00	103.24	8.09	0.01	-31.06	-1.60e-03	0.05
1	141	100.00	95.39	4.89	0.12	-27.15	0.03	0.04
1	141	150.00	87.20	4.85	0.13	-23.90	0.10	0.02
1	141	200.00	79.29	15.89	0.04	-18.46	0.14	-8.72e-03
1	141	250.00	75.33	16.05	-0.02	-8.59	0.15	-0.03
1	141	295.00	67.57	1.47	-0.15	-3.73	0.12	-0.05
1	141	340.00	66.34	-0.30	-0.22	-7.18	0.06	-0.05
1	144	0.0	-155.41	-7.75	-0.05	33.95	-7.67e-03	-0.05
1	144	50.00	-155.41	-7.75	-0.05	34.03	-0.02	-0.04
1	144	100.00	-143.69	-4.42	-0.15	28.87	-0.06	-0.03
1	144	150.00	-133.15	-4.40	-0.14	24.51	-0.14	-0.01
1	144	200.00	-124.22	-15.44	-0.03	17.82	-0.18	8.32e-03
1	144	250.00	-118.45	-15.60	0.05	7.66	-0.17	0.02
1	144	295.00	-106.85	-0.18	0.17	4.71	-0.14	0.04
1	144	340.00	-83.07	1.90	0.24	-0.96	-0.05	0.04
1	145	0.0	22.92	37.54	-0.06	-38.30	-9.63e-03	0.03
1	145	50.00	22.92	37.54	-0.06	-38.21	-0.02	0.03
1	145	100.00	13.06	32.33	0.02	-37.25	-0.03	0.02
1	145	150.00	1.80	33.44	0.07	-37.75	-0.01	0.01
1	145	200.00	-5.18	74.23	0.02	-32.33	5.37e-04	-0.01
1	145	250.00	32.74	74.20	0.03	-6.34	0.09	-0.02

1	145	295.00	9.99	30.81	-0.03	2.69	0.06	-0.01
1	145	340.00	30.32	22.94	-0.12	-3.99	0.03	-0.03
1	169	0.0	111.73	11.00	0.02	-34.77	9.83e-03	0.06
1	169	50.00	111.73	11.00	0.02	-34.69	5.49e-04	0.06
1	169	100.00	101.80	7.35	0.14	-30.62	0.04	0.05
1	169	150.00	91.23	7.57	0.16	-27.37	0.11	0.02
1	169	200.00	82.32	21.83	0.04	-21.43	0.16	-9.92e-03
1	169	250.00	86.41	22.01	-0.02	-9.04	0.19	-0.03
1	169	295.00	70.57	3.74	-0.17	-3.91	0.14	-0.05
1	169	340.00	73.74	1.38	-0.25	-7.62	0.06	-0.06
1	173	0.0	120.12	9.09	0.01	-35.38	8.07e-03	0.06
1	173	50.00	120.12	9.09	0.01	-35.30	-1.21e-03	0.06
1	173	100.00	110.99	5.48	0.14	-30.79	0.04	0.05
1	173	150.00	101.58	5.43	0.14	-27.05	0.11	0.02
1	173	200.00	92.58	17.87	0.05	-20.82	0.16	-9.72e-03
1	173	250.00	87.99	18.05	-0.02	-9.65	0.17	-0.03
1	173	295.00	78.96	1.56	-0.17	-4.29	0.14	-0.05
1	173	340.00	76.10	-0.45	-0.25	-7.59	0.06	-0.06
1	176	0.0	-172.29	-8.75	-0.05	38.19	-8.07e-03	-0.05
1	176	50.00	-172.29	-8.75	-0.05	38.27	-0.02	-0.05
1	176	100.00	-159.30	-5.00	-0.17	32.52	-0.07	-0.04
1	176	150.00	-147.53	-4.99	-0.16	27.66	-0.15	-0.02
1	176	200.00	-137.51	-17.41	-0.04	20.18	-0.20	9.32e-03
1	176	250.00	-131.11	-17.61	0.05	8.72	-0.19	0.03
1	176	295.00	-118.24	-0.27	0.18	5.27	-0.15	0.04
1	176	340.00	-92.83	2.05	0.26	-0.56	-0.06	0.04
1	177	0.0	24.34	37.12	-0.06	-38.34	-0.01	0.03
1	177	50.00	24.34	37.12	-0.06	-38.25	-0.02	0.03
1	177	100.00	14.65	31.92	0.02	-37.21	-0.03	0.02
1	177	150.00	3.69	32.96	0.07	-37.63	-0.02	0.01
1	177	200.00	-3.43	73.36	0.02	-32.23	-2.88e-03	-0.01
1	177	250.00	33.22	73.33	0.03	-6.47	0.08	-0.02
1	177	295.00	10.92	30.38	-0.02	2.59	0.06	-0.01
1	177	340.00	30.78	22.62	-0.11	-4.03	0.03	-0.03
1	201	0.0	115.13	10.91	3.02e-03	-35.57	6.28e-03	0.06
1	201	50.00	115.13	10.91	3.02e-03	-35.49	-3.00e-03	0.06
1	201	100.00	104.99	7.29	0.13	-31.31	0.03	0.05
1	201	150.00	94.22	7.52	0.15	-27.96	0.10	0.02
1	201	200.00	85.18	21.74	0.04	-21.85	0.15	-9.25e-03
1	201	250.00	88.90	21.95	-0.01	-9.27	0.18	-0.03
1	201	295.00	72.94	3.66	-0.16	-4.05	0.13	-0.05
1	201	340.00	75.69	1.27	-0.24	-7.71	0.06	-0.06
1	205	0.0	123.18	9.01	-3.17e-03	-36.10	4.63e-03	0.06
1	205	50.00	123.18	9.01	-3.17e-03	-36.01	-4.65e-03	0.06
1	205	100.00	113.81	5.44	0.13	-31.41	0.03	0.05
1	205	150.00	104.15	5.41	0.14	-27.59	0.10	0.02
1	205	200.00	95.02	17.82	0.05	-21.21	0.15	-9.13e-03
1	205	250.00	90.37	18.03	-0.01	-9.83	0.16	-0.03
1	205	295.00	81.04	1.51	-0.16	-4.41	0.13	-0.05
1	205	340.00	77.93	-0.52	-0.24	-7.69	0.06	-0.05
1	208	0.0	-175.35	-8.68	-0.03	38.90	-4.63e-03	-0.05
1	208	50.00	-175.35	-8.68	-0.03	38.99	-0.01	-0.05
1	208	100.00	-162.12	-4.97	-0.16	33.14	-0.06	-0.04
1	208	150.00	-150.11	-4.96	-0.15	28.20	-0.14	-0.02
1	208	200.00	-139.95	-17.36	-0.04	20.57	-0.18	8.73e-03
1	208	250.00	-133.50	-17.58	0.04	8.90	-0.18	0.03
1	208	295.00	-120.32	-0.21	0.17	5.39	-0.14	0.04
1	208	340.00	-94.66	2.13	0.26	-0.46	-0.06	0.04
1	209	0.0	34.51	43.41	-0.07	-45.44	-0.01	0.03
1	209	50.00	34.51	43.41	-0.07	-45.36	-0.02	0.04
1	209	100.00	22.87	37.27	0.02	-43.96	-0.03	0.03
1	209	150.00	9.92	38.45	0.08	-44.28	-0.02	0.02
1	209	200.00	1.33	85.78	0.02	-37.83	-5.56e-04	-0.01
1	209	250.00	43.54	85.74	0.04	-7.62	0.09	-0.02
1	209	295.00	17.08	35.37	-0.03	2.87	0.07	-0.01
1	209	340.00	38.28	26.28	-0.13	-4.05	0.03	-0.03
1	233	0.0	141.87	12.75	3.89e-03	-42.52	6.71e-03	0.07
1	233	50.00	141.87	12.75	3.89e-03	-42.43	-2.57e-03	0.07
1	233	100.00	129.49	8.50	0.15	-37.34	0.04	0.05
1	233	150.00	116.52	8.78	0.18	-33.25	0.12	0.03
1	233	200.00	105.72	25.47	0.05	-25.87	0.18	-0.01
1	233	250.00	109.73	25.74	-0.02	-10.95	0.21	-0.03
1	233	295.00	90.52	4.13	-0.19	-4.94	0.16	-0.06
1	233	340.00	91.58	1.29	-0.29	-8.41	0.07	-0.06
1	237	0.0	151.02	10.49	-2.99e-03	-43.03	4.86e-03	0.07

1	237	50.00	151.02	10.49	-2.99e-03	-42.94	-4.42e-03	0.07
1	237	100.00	139.55	6.31	0.15	-37.37	0.03	0.05
1	237	150.00	127.86	6.28	0.16	-32.74	0.12	0.02
1	237	200.00	116.97	20.81	0.06	-25.06	0.17	-0.01
1	237	250.00	111.30	21.08	-0.02	-11.57	0.19	-0.03
1	237	295.00	99.84	1.59	-0.19	-5.34	0.15	-0.06
1	237	340.00	94.06	-0.82	-0.28	-8.37	0.07	-0.06
1	240	0.0	-203.19	-10.16	-0.03	45.83	-4.86e-03	-0.06
1	240	50.00	-203.19	-10.16	-0.03	45.92	-0.01	-0.06
1	240	100.00	-187.86	-5.83	-0.18	39.10	-0.07	-0.05
1	240	150.00	-173.82	-5.83	-0.18	33.34	-0.16	-0.02
1	240	200.00	-161.90	-20.36	-0.05	24.42	-0.21	0.01
1	240	250.00	-154.42	-20.63	0.05	10.64	-0.21	0.03
1	240	295.00	-139.12	-0.30	0.20	6.32	-0.17	0.05
1	240	340.00	-110.79	2.43	0.30	0.22	-0.07	0.05
1	261	0.0	-26.85	-1.40	-6.47e-03	4.07	0.0	2.22e-03
1	261	50.00	-26.85	-1.40	-6.47e-03	3.37	-3.24e-03	3.67e-03
1	261	100.00	-24.39	-1.24	-0.01	2.49	-8.38e-03	3.09e-03
1	261	150.00	-22.65	-1.39	-6.20e-03	1.74	-0.01	2.03e-03
1	261	200.00	-21.77	-3.08	4.62e-04	0.25	-0.01	7.26e-04
1	261	250.00	-21.54	-3.09	9.50e-03	-1.17	-6.50e-03	-3.47e-04
1	261	295.00	-19.44	-0.87	3.63e-04	-0.30	-6.34e-03	-2.72e-03
1	261	340.00	-8.77	-0.34	7.29e-03	-4.33	2.08e-03	-4.29e-03
1	273	0.0	-13.16	-0.12	0.88	-0.72	0.0	0.12
1	273	50.00	-13.16	-0.12	0.88	-0.78	0.44	0.18
1	273	100.00	-12.63	-0.17	0.70	-0.79	0.79	0.12
1	273	150.00	-12.55	-0.28	0.46	-0.87	1.02	0.05
1	273	200.00	-12.90	-0.34	-0.15	-1.07	0.94	-0.04
1	273	250.00	-12.95	-0.34	-0.39	-0.96	0.75	-0.11
1	273	295.00	-12.20	-0.06	-0.84	-0.08	0.37	-0.17
1	273	340.00	-5.66	-0.02	-0.83	-2.62	-0.03	-0.13
1	276	0.0	-17.40	-0.05	0.87	-0.18	0.0	0.12
1	276	50.00	-17.40	-0.05	0.87	-0.21	0.44	0.19
1	276	100.00	-16.51	-0.08	0.69	-0.38	0.78	0.12
1	276	150.00	-16.21	-0.16	0.46	-0.57	1.01	0.05
1	276	200.00	-16.45	-0.21	-0.15	-0.85	0.93	-0.04
1	276	250.00	-16.40	-0.21	-0.38	-0.73	0.74	-0.11
1	276	295.00	-15.48	0.18	-0.84	0.34	0.37	-0.17
1	276	340.00	-6.77	0.29	-0.83	-3.18	-0.03	-0.14
1	288	0.0	-31.86	0.30	-0.47	2.36	0.0	-0.05
1	288	50.00	-31.86	0.30	-0.47	2.51	-0.23	-0.08
1	288	100.00	-29.28	0.43	-0.37	1.61	-0.42	-0.05
1	288	150.00	-27.58	0.45	-0.24	0.82	-0.54	-0.02
1	288	200.00	-26.65	0.48	0.08	-8.97e-03	-0.50	0.02
1	288	250.00	-25.29	0.48	0.22	-0.28	-0.39	0.05
1	288	295.00	-22.80	0.95	0.43	0.67	-0.20	0.08
1	288	340.00	-9.56	1.15	0.43	-4.72	0.02	0.06
1	303	0.0	-25.68	0.32	-0.02	1.09	0.0	3.88e-03
1	303	50.00	-25.68	0.32	-0.02	1.25	-9.61e-03	6.08e-03
1	303	100.00	-23.83	0.38	-0.02	0.67	-0.02	4.05e-03
1	303	150.00	-22.73	0.38	-6.54e-03	0.13	-0.02	1.96e-03
1	303	200.00	-22.26	0.55	3.18e-03	-0.40	-0.02	-2.87e-04
1	303	250.00	-21.30	0.54	0.02	-0.41	-0.01	-2.06e-03
1	303	295.00	-19.40	0.78	7.30e-03	0.53	-8.01e-03	-4.58e-03
1	303	340.00	-8.24	0.89	7.63e-03	-4.01	2.78e-03	-6.48e-03
1	305	0.0	-26.89	-0.13	-0.02	2.02	0.0	3.73e-03
1	305	50.00	-26.89	-0.13	-0.02	1.95	-8.62e-03	5.90e-03
1	305	100.00	-24.80	-0.04	-0.02	1.25	-0.02	4.10e-03
1	305	150.00	-23.48	-0.08	-6.95e-03	0.64	-0.02	2.14e-03
1	305	200.00	-22.88	-0.41	2.58e-03	-0.17	-0.02	-2.37e-05
1	305	250.00	-22.09	-0.42	0.01	-0.57	-0.01	-1.75e-03
1	305	295.00	-20.11	0.38	6.30e-03	0.40	-8.14e-03	-4.44e-03
1	305	340.00	-8.61	0.62	8.04e-03	-4.21	2.80e-03	-6.35e-03
1	306	0.0	-20.87	0.07	0.17	0.64	0.0	0.03
1	306	50.00	-20.87	0.07	0.17	0.68	0.08	0.04
1	306	100.00	-19.44	0.09	0.13	0.27	0.15	0.03
1	306	150.00	-18.61	0.05	0.09	-0.13	0.19	0.01
1	306	200.00	-18.34	0.03	-0.03	-0.62	0.18	-8.93e-03
1	306	250.00	-17.70	0.03	-0.07	-0.72	0.14	-0.02
1	306	295.00	-16.10	0.36	-0.17	0.10	0.07	-0.04
1	306	340.00	-7.15	0.44	-0.16	-3.44	-4.71e-03	-0.03
1	307	0.0	-24.16	0.12	0.16	1.06	0.0	0.03
1	307	50.00	-24.16	0.12	0.16	1.12	0.08	0.04
1	307	100.00	-22.45	0.17	0.13	0.60	0.14	0.03
1	307	150.00	-21.46	0.14	0.09	0.12	0.19	0.01

1	307	200.00	-21.11	0.14	-0.03	-0.43	0.17	-8.98e-03
1	307	250.00	-20.38	0.13	-0.06	-0.52	0.14	-0.02
1	307	295.00	-18.66	0.54	-0.16	0.45	0.07	-0.04
1	307	340.00	-7.99	0.69	-0.16	-3.87	-3.97e-03	-0.03
1	309	0.0	-22.80	0.12	-0.01	0.98	0.0	2.71e-03
1	309	50.00	-22.80	0.12	-0.01	1.04	-6.52e-03	4.27e-03
1	309	100.00	-21.14	0.16	-0.01	0.54	-0.01	2.92e-03
1	309	150.00	-20.13	0.13	-4.83e-03	0.05	-0.01	1.44e-03
1	309	200.00	-19.70	0.12	2.47e-03	-0.51	-0.01	-1.51e-04
1	309	250.00	-18.88	0.12	0.01	-0.66	-7.60e-03	-1.38e-03
1	309	295.00	-17.07	0.46	3.69e-03	0.15	-5.94e-03	-3.18e-03
1	309	340.00	-7.53	0.55	5.93e-03	-3.65	2.04e-03	-4.73e-03
1	310	0.0	-26.08	0.17	-0.02	1.40	0.0	3.83e-03
1	310	50.00	-26.08	0.17	-0.02	1.49	-9.28e-03	6.02e-03
1	310	100.00	-24.15	0.24	-0.02	0.86	-0.02	4.07e-03
1	310	150.00	-22.98	0.22	-6.67e-03	0.30	-0.02	2.02e-03
1	310	200.00	-22.47	0.23	2.98e-03	-0.32	-0.02	-1.99e-04
1	310	250.00	-21.56	0.22	0.02	-0.46	-0.01	-1.96e-03
1	310	295.00	-19.64	0.65	6.96e-03	0.49	-8.06e-03	-4.53e-03
1	310	340.00	-8.36	0.80	7.77e-03	-4.07	2.79e-03	-6.44e-03

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-203.19	-20.63	-1.27	-45.44	-0.81	-0.26
	151.02	85.78	1.33	45.92	1.54	0.28

Macro	Tipo	Angolo 1-Z (gradi)
2	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
2	44	0.0	-21.24	-1.26	-8.79e-06	1.08	0.0	3.99e-04
2	44	50.00	-21.24	-1.26	-8.79e-06	0.45	-4.40e-06	6.26e-04
2	44	100.00	-20.76	-0.98	-1.23e-04	0.58	-6.58e-05	5.18e-04
2	44	150.00	-21.41	-0.50	-1.70e-04	0.98	-1.51e-04	4.60e-04
2	44	200.00	-23.33	-3.03	4.83e-05	0.20	-1.27e-04	3.56e-04
2	44	250.00	-23.02	-3.03	4.83e-05	-1.32	-1.02e-04	4.69e-04
2	44	295.00	-19.23	-0.32	1.32e-04	-0.80	-4.29e-05	8.13e-04
2	44	340.00	-14.81	-0.76	9.54e-05	-0.46	0.0	5.88e-04
2	68	0.0	-18.16	-4.74e-03	1.44	0.01	0.0	-9.81e-03
2	68	50.00	-18.16	-4.74e-03	1.44	0.01	0.72	-0.02
2	68	100.00	-17.74	2.80e-03	1.24	0.01	1.34	-0.02
2	68	150.00	-18.24	2.29e-03	0.98	0.02	1.83	-0.01
2	68	200.00	-19.76	-0.13	-0.33	-0.03	1.66	3.29e-03
2	68	250.00	-19.45	-0.13	-0.59	-0.10	1.37	9.68e-03
2	68	295.00	-16.21	6.75e-03	-1.42	-0.04	0.73	0.02
2	68	340.00	-12.47	-0.05	-1.62	3.46e-03	0.0	0.02
2	69	0.0	-11.06	-0.02	1.44	1.82e-03	0.0	-9.83e-03
2	69	50.00	-11.06	-0.02	1.44	-7.07e-03	0.72	-0.02
2	69	100.00	-10.72	-9.73e-03	1.24	-5.57e-03	1.34	-0.02
2	69	150.00	-10.93	-3.78e-03	0.98	-5.70e-03	1.83	-0.01
2	69	200.00	-11.76	-0.02	-0.33	-0.01	1.66	3.19e-03
2	69	250.00	-11.52	-0.02	-0.59	-0.02	1.37	9.52e-03
2	69	295.00	-9.57	9.79e-03	-1.42	-8.05e-03	0.73	0.02
2	69	340.00	-7.32	-5.69e-03	-1.62	5.18e-03	0.0	0.02
2	76	0.0	-21.69	0.03	-0.43	0.03	0.0	3.03e-03
2	76	50.00	-21.69	0.03	-0.43	0.05	-0.22	4.93e-03
2	76	100.00	-21.27	0.02	-0.37	0.05	-0.40	4.59e-03
2	76	150.00	-21.98	0.01	-0.29	0.06	-0.55	3.36e-03
2	76	200.00	-23.93	-0.21	0.10	-0.02	-0.50	-7.53e-04
2	76	250.00	-23.62	-0.21	0.18	-0.13	-0.41	-2.53e-03
2	76	295.00	-19.71	-4.09e-03	0.43	-0.06	-0.22	-5.88e-03
2	76	340.00	-15.21	-0.08	0.49	2.23e-03	0.0	-4.41e-03
2	116	0.0	-21.39	-18.17	8.79e-03	6.98	-4.45e-05	-8.24e-03
2	116	50.00	-21.39	-18.17	8.79e-03	6.98	-5.69e-05	-8.05e-03
2	116	100.00	-21.01	-14.92	-0.05	8.45	6.24e-04	-8.06e-03
2	116	150.00	-21.71	-8.52	-0.04	11.69	-0.07	-5.18e-03
2	116	200.00	-27.12	-35.75	0.01	10.47	-0.13	-3.34e-03
2	116	250.00	-24.77	-35.72	0.03	-6.35	-0.08	-4.19e-03
2	116	295.00	-19.89	-5.88	7.42e-03	-8.47	-0.06	-6.61e-03
2	116	340.00	-16.85	-10.97	0.09	-3.57	-0.02	-6.49e-03
2	133	0.0	-2.95	9.64	0.11	-3.81	0.02	7.99e-03
2	133	50.00	-2.95	9.64	0.11	-3.81	0.02	7.80e-03
2	133	100.00	-2.41	7.94	0.12	-4.60	0.07	7.49e-03
2	133	150.00	-2.17	4.55	0.11	-6.34	0.13	2.40e-03

2	133	200.00	9.30	19.25	-0.04	-4.00	0.16	3.81e-03
2	133	250.00	2.94	19.23	-0.06	2.72	0.14	5.38e-03
2	133	295.00	-0.89	3.20	-0.13	4.58	0.10	8.92e-03
2	133	340.00	3.44	5.95	-0.15	1.47	0.03	8.61e-03
2	136	0.0	-26.27	-9.62	-0.11	3.85	-0.02	-7.90e-03
2	136	50.00	-26.27	-9.62	-0.11	3.85	-0.02	-7.67e-03
2	136	100.00	-26.14	-7.92	-0.12	4.64	-0.07	-7.40e-03
2	136	150.00	-27.23	-4.54	-0.11	6.40	-0.14	-2.30e-03
2	136	200.00	-41.19	-19.46	0.04	3.98	-0.16	-3.61e-03
2	136	250.00	-34.36	-19.45	0.06	-2.84	-0.14	-5.06e-03
2	136	295.00	-25.29	-3.20	0.13	-4.64	-0.10	-8.32e-03
2	136	340.00	-23.59	-6.03	0.15	-1.46	-0.03	-8.18e-03
2	137	0.0	1.28	7.78	0.15	-2.56	0.04	-8.39e-03
2	137	50.00	1.28	7.78	0.15	-2.55	0.04	-8.03e-03
2	137	100.00	2.71	6.41	0.17	-3.02	0.11	-7.09e-03
2	137	150.00	5.02	3.27	0.17	-4.03	0.21	-3.43e-03
2	137	200.00	4.43	15.59	-0.05	-4.21	0.26	2.63e-03
2	137	250.00	2.98	15.58	-0.08	2.44	0.23	7.72e-03
2	137	295.00	3.99	2.10	-0.20	3.05	0.17	0.01
2	137	340.00	3.44	4.84	-0.26	1.39	0.06	0.01
2	148	0.0	-22.29	-20.42	9.75e-03	7.84	-4.65e-05	-9.23e-03
2	148	50.00	-22.29	-20.42	9.75e-03	7.85	-5.89e-05	-9.01e-03
2	148	100.00	-21.91	-16.77	-0.05	9.50	7.12e-04	-9.03e-03
2	148	150.00	-22.64	-9.58	-0.04	13.13	-0.08	-5.81e-03
2	148	200.00	-28.58	-40.18	0.01	11.77	-0.15	-3.77e-03
2	148	250.00	-25.96	-40.14	0.03	-7.13	-0.09	-4.71e-03
2	148	295.00	-20.79	-6.60	8.17e-03	-9.52	-0.06	-7.44e-03
2	148	340.00	-17.73	-12.33	0.10	-4.02	-0.02	-7.30e-03
2	165	0.0	-1.39	10.88	0.12	-4.30	0.03	8.96e-03
2	165	50.00	-1.39	10.88	0.12	-4.30	0.03	8.75e-03
2	165	100.00	-0.83	8.95	0.13	-5.19	0.08	8.40e-03
2	165	150.00	-0.50	5.13	0.12	-7.16	0.15	2.70e-03
2	165	200.00	12.60	21.74	-0.04	-4.51	0.17	4.29e-03
2	165	250.00	5.37	21.72	-0.06	3.09	0.16	6.03e-03
2	165	295.00	0.74	3.62	-0.14	5.18	0.11	1.00e-02
2	165	340.00	5.20	6.72	-0.17	1.66	0.04	9.66e-03
2	168	0.0	-27.82	-10.85	-0.12	4.34	-0.03	-8.87e-03
2	168	50.00	-27.82	-10.85	-0.12	4.34	-0.03	-8.61e-03
2	168	100.00	-27.72	-8.93	-0.13	5.24	-0.08	-8.32e-03
2	168	150.00	-28.90	-5.12	-0.12	7.22	-0.15	-2.60e-03
2	168	200.00	-44.49	-21.95	0.04	4.50	-0.17	-4.09e-03
2	168	250.00	-36.78	-21.93	0.06	-3.21	-0.16	-5.71e-03
2	168	295.00	-26.92	-3.62	0.14	-5.23	-0.11	-9.40e-03
2	168	340.00	-25.36	-6.80	0.17	-1.65	-0.04	-9.23e-03
2	169	0.0	3.35	8.75	0.17	-2.88	0.04	-9.28e-03
2	169	50.00	3.35	8.75	0.17	-2.88	0.04	-8.88e-03
2	169	100.00	4.92	7.22	0.19	-3.41	0.12	-7.83e-03
2	169	150.00	7.59	3.68	0.19	-4.55	0.23	-3.79e-03
2	169	200.00	7.08	17.57	-0.06	-4.74	0.29	2.92e-03
2	169	250.00	5.42	17.56	-0.08	2.76	0.26	8.57e-03
2	169	295.00	6.22	2.36	-0.23	3.44	0.19	0.01
2	169	340.00	5.21	5.45	-0.29	1.57	0.07	0.01
2	180	0.0	-22.53	-20.21	8.94e-03	7.76	8.65e-06	-8.86e-03
2	180	50.00	-22.53	-20.21	8.94e-03	7.77	-3.74e-06	-8.65e-03
2	180	100.00	-22.16	-16.60	-0.05	9.40	8.36e-04	-8.69e-03
2	180	150.00	-22.91	-9.48	-0.04	13.01	-0.07	-5.64e-03
2	180	200.00	-28.93	-39.79	0.01	11.65	-0.14	-3.73e-03
2	180	250.00	-26.22	-39.74	0.03	-7.07	-0.09	-4.58e-03
2	180	295.00	-21.07	-6.54	6.98e-03	-9.42	-0.06	-7.23e-03
2	180	340.00	-17.94	-12.21	0.10	-3.98	-0.02	-7.08e-03
2	197	0.0	-0.88	10.99	0.11	-4.35	0.03	8.79e-03
2	197	50.00	-0.88	10.99	0.11	-4.34	0.03	8.59e-03
2	197	100.00	-0.31	9.05	0.12	-5.24	0.08	8.28e-03
2	197	150.00	0.06	5.18	0.12	-7.24	0.14	2.76e-03
2	197	200.00	13.35	21.99	-0.04	-4.58	0.16	4.37e-03
2	197	250.00	5.82	21.98	-0.06	3.17	0.15	6.01e-03
2	197	295.00	1.30	3.66	-0.13	5.23	0.10	9.98e-03
2	197	340.00	5.58	6.80	-0.16	1.69	0.04	9.62e-03
2	200	0.0	-28.33	-10.97	-0.11	4.38	-0.03	-8.70e-03
2	200	50.00	-28.33	-10.97	-0.11	4.39	-0.03	-8.45e-03
2	200	100.00	-28.24	-9.03	-0.12	5.29	-0.08	-8.19e-03
2	200	150.00	-29.45	-5.17	-0.12	7.30	-0.14	-2.66e-03
2	200	200.00	-45.24	-22.21	0.04	4.56	-0.16	-4.17e-03
2	200	250.00	-37.23	-22.19	0.06	-3.29	-0.15	-5.69e-03
2	200	295.00	-27.49	-3.66	0.13	-5.28	-0.10	-9.38e-03

2	200	340.00	-25.73	-6.88	0.16	-1.69	-0.04	-9.19e-03
2	201	0.0	3.70	8.71	0.16	-2.91	0.04	-8.25e-03
2	201	50.00	3.70	8.71	0.16	-2.90	0.04	-7.88e-03
2	201	100.00	5.29	7.18	0.18	-3.43	0.12	-6.91e-03
2	201	150.00	8.00	3.66	0.18	-4.57	0.22	-3.28e-03
2	201	200.00	7.50	17.53	-0.05	-4.79	0.28	2.78e-03
2	201	250.00	5.91	17.52	-0.08	2.78	0.25	7.99e-03
2	201	295.00	6.57	2.36	-0.22	3.47	0.18	0.01
2	201	340.00	5.57	5.45	-0.28	1.58	0.06	0.01
2	212	0.0	-24.11	-23.67	9.80e-03	9.09	-8.21e-05	-0.01
2	212	50.00	-24.11	-23.67	9.80e-03	9.10	-9.45e-05	-0.01
2	212	100.00	-23.74	-19.44	-0.06	11.01	6.96e-04	-0.01
2	212	150.00	-24.56	-11.10	-0.05	15.23	-0.08	-6.62e-03
2	212	200.00	-31.50	-46.58	0.02	13.63	-0.16	-4.43e-03
2	212	250.00	-28.28	-46.53	0.03	-8.27	-0.10	-5.45e-03
2	212	295.00	-22.67	-7.66	8.84e-03	-11.02	-0.07	-8.62e-03
2	212	340.00	-19.49	-14.29	0.11	-4.66	-0.03	-8.43e-03
2	229	0.0	1.92	13.03	0.13	-5.16	0.03	0.01
2	229	50.00	1.92	13.03	0.13	-5.15	0.03	0.01
2	229	100.00	2.54	10.72	0.14	-6.22	0.09	9.87e-03
2	229	150.00	3.07	6.14	0.14	-8.59	0.16	3.32e-03
2	229	200.00	19.17	26.11	-0.05	-5.42	0.19	5.24e-03
2	229	250.00	10.02	26.09	-0.07	3.79	0.17	7.16e-03
2	229	295.00	4.25	4.34	-0.15	6.20	0.12	0.01
2	229	340.00	8.67	8.08	-0.19	2.01	0.04	0.01
2	232	0.0	-31.13	-13.00	-0.13	5.19	-0.03	-0.01
2	232	50.00	-31.13	-13.00	-0.13	5.20	-0.03	-0.01
2	232	100.00	-31.09	-10.71	-0.14	6.27	-0.09	-9.78e-03
2	232	150.00	-32.47	-6.13	-0.14	8.65	-0.16	-3.23e-03
2	232	200.00	-51.06	-26.32	0.05	5.40	-0.19	-5.04e-03
2	232	250.00	-41.43	-26.30	0.07	-3.91	-0.17	-6.84e-03
2	232	295.00	-30.44	-4.34	0.15	-6.25	-0.12	-0.01
2	232	340.00	-28.82	-8.16	0.19	-2.00	-0.04	-0.01
2	233	0.0	7.12	10.22	0.18	-3.44	0.04	-9.60e-03
2	233	50.00	7.12	10.22	0.18	-3.43	0.04	-9.17e-03
2	233	100.00	8.94	8.43	0.21	-4.05	0.14	-8.02e-03
2	233	150.00	12.23	4.30	0.21	-5.39	0.26	-3.79e-03
2	233	200.00	11.86	20.62	-0.06	-5.66	0.32	3.25e-03
2	233	250.00	9.99	20.61	-0.09	3.30	0.29	9.33e-03
2	233	295.00	10.23	2.77	-0.25	4.10	0.21	0.02
2	233	340.00	8.52	6.41	-0.33	1.87	0.07	0.02
2	264	0.0	-15.72	-0.84	-2.62e-06	0.72	0.0	2.71e-04
2	264	50.00	-15.72	-0.84	-2.62e-06	0.30	-1.31e-06	4.25e-04
2	264	100.00	-15.36	-0.65	-7.62e-05	0.39	-3.94e-05	3.51e-04
2	264	150.00	-15.82	-0.34	-1.06e-04	0.65	-9.24e-05	3.12e-04
2	264	200.00	-17.22	-2.03	3.19e-05	0.13	-7.64e-05	2.42e-04
2	264	250.00	-16.98	-2.03	3.19e-05	-0.88	-6.05e-05	3.20e-04
2	264	295.00	-14.18	-0.21	7.90e-05	-0.53	-2.49e-05	5.54e-04
2	264	340.00	-10.91	-0.51	5.53e-05	-0.31	0.0	4.01e-04
2	273	0.0	-12.10	-8.27e-03	0.96	6.61e-03	0.0	-6.54e-03
2	273	50.00	-12.10	-8.27e-03	0.96	2.48e-03	0.48	-0.01
2	273	100.00	-11.76	-3.74e-03	0.83	3.78e-03	0.89	-0.01
2	273	150.00	-12.04	-9.87e-04	0.65	5.44e-03	1.22	-7.25e-03
2	273	200.00	-12.99	-0.04	-0.22	-9.32e-03	1.11	2.15e-03
2	273	250.00	-12.75	-0.04	-0.39	-0.03	0.91	6.38e-03
2	273	295.00	-10.60	6.34e-03	-0.95	-0.01	0.48	0.01
2	273	340.00	-8.13	-0.02	-1.08	5.09e-03	0.0	0.01
2	276	0.0	-13.67	-3.09e-03	0.96	0.01	0.0	-6.53e-03
2	276	50.00	-13.67	-3.09e-03	0.96	9.28e-03	0.48	-0.01
2	276	100.00	-13.34	1.80e-03	0.83	0.01	0.89	-0.01
2	276	150.00	-13.71	1.44e-03	0.65	0.01	1.22	-7.24e-03
2	276	200.00	-14.84	-0.09	-0.22	-0.02	1.11	2.20e-03
2	276	250.00	-14.60	-0.09	-0.39	-0.07	0.91	6.46e-03
2	276	295.00	-12.17	5.25e-03	-0.95	-0.03	0.48	0.01
2	276	340.00	-9.36	-0.03	-1.08	2.99e-03	0.0	0.01
2	280	0.0	-16.02	0.02	-0.29	0.02	0.0	2.03e-03
2	280	50.00	-16.02	0.02	-0.29	0.03	-0.14	3.30e-03
2	280	100.00	-15.70	0.02	-0.25	0.03	-0.27	3.06e-03
2	280	150.00	-16.20	7.67e-03	-0.20	0.04	-0.37	2.25e-03
2	280	200.00	-17.62	-0.15	0.07	-0.01	-0.33	-4.97e-04
2	280	250.00	-17.38	-0.15	0.12	-0.09	-0.27	-1.68e-03
2	280	295.00	-14.50	-1.98e-03	0.28	-0.04	-0.15	-3.91e-03
2	280	340.00	-11.18	-0.06	0.32	2.17e-03	0.0	-2.93e-03
2	298	0.0	-14.79	0.01	-3.17e-05	0.02	0.0	4.66e-05
2	298	50.00	-14.79	0.01	-3.17e-05	0.02	-1.59e-05	6.88e-05

2	298	100.00	-14.46	0.01	-7.19e-05	0.03	-5.18e-05	4.32e-05
2	298	150.00	-14.90	5.23e-03	-9.25e-05	0.03	-9.80e-05	5.06e-05
2	298	200.00	-16.17	-0.11	2.28e-05	-8.23e-03	-8.66e-05	1.05e-04
2	298	250.00	-15.93	-0.11	2.28e-05	-0.06	-7.53e-05	1.68e-04
2	298	295.00	-13.28	-9.86e-05	1.17e-04	-0.03	-2.24e-05	3.19e-04
2	298	340.00	-10.22	-0.04	4.99e-05	3.43e-03	0.0	2.29e-04
2	305	0.0	-14.74	-0.16	-1.91e-05	0.16	0.0	9.01e-05
2	305	50.00	-14.74	-0.16	-1.91e-05	0.08	-9.56e-06	1.38e-04
2	305	100.00	-14.40	-0.12	-5.84e-05	0.10	-3.87e-05	1.04e-04
2	305	150.00	-14.83	-0.06	-7.64e-05	0.15	-7.70e-05	1.01e-04
2	305	200.00	-16.10	-0.49	2.22e-05	0.02	-6.59e-05	1.26e-04
2	305	250.00	-15.86	-0.49	2.22e-05	-0.22	-5.48e-05	1.86e-04
2	305	295.00	-13.22	-0.04	9.00e-05	-0.13	-1.43e-05	3.43e-04
2	305	340.00	-10.17	-0.13	3.17e-05	-0.06	0.0	2.47e-04
2	306	0.0	-13.20	4.65e-03	0.19	0.01	0.0	-1.27e-03
2	306	50.00	-13.20	4.65e-03	0.19	0.01	0.10	-2.08e-03
2	306	100.00	-12.86	3.83e-03	0.17	0.02	0.18	-1.97e-03
2	306	150.00	-13.20	2.29e-03	0.13	0.02	0.24	-1.41e-03
2	306	200.00	-14.28	-0.06	-0.04	-1.20e-03	0.22	4.82e-04
2	306	250.00	-14.04	-0.06	-0.08	-0.03	0.18	1.36e-03
2	306	295.00	-11.69	2.23e-03	-0.19	-0.01	0.10	3.05e-03
2	306	340.00	-8.98	-0.02	-0.22	4.98e-03	0.0	2.28e-03
2	307	0.0	-14.33	8.06e-03	0.19	0.02	0.0	-1.27e-03
2	307	50.00	-14.33	8.06e-03	0.19	0.02	0.10	-2.08e-03
2	307	100.00	-14.00	7.62e-03	0.17	0.02	0.18	-1.97e-03
2	307	150.00	-14.41	4.11e-03	0.13	0.03	0.24	-1.41e-03
2	307	200.00	-15.62	-0.10	-0.04	-8.97e-03	0.22	5.17e-04
2	307	250.00	-15.38	-0.10	-0.08	-0.06	0.18	1.41e-03
2	307	295.00	-12.82	1.11e-03	-0.19	-0.03	0.10	3.17e-03
2	307	340.00	-9.86	-0.04	-0.22	3.68e-03	0.0	2.36e-03
2	309	0.0	-13.48	7.88e-03	1.67e-05	0.01	0.0	4.17e-05
2	309	50.00	-13.48	7.88e-03	1.67e-05	0.02	8.35e-06	6.30e-05
2	309	100.00	-13.14	5.72e-03	3.02e-05	0.02	2.34e-05	4.48e-05
2	309	150.00	-13.49	3.10e-03	4.01e-05	0.02	4.35e-05	4.48e-05
2	309	200.00	-14.61	-0.07	6.13e-06	8.35e-04	4.66e-05	6.47e-05
2	309	250.00	-14.37	-0.07	6.13e-06	-0.03	4.96e-05	9.83e-05
2	309	295.00	-11.96	1.21e-03	-2.80e-05	-0.01	3.70e-05	1.83e-04
2	309	340.00	-9.19	-0.03	-8.22e-05	4.96e-03	0.0	1.31e-04
2	310	0.0	-14.61	0.01	-2.48e-05	0.02	0.0	4.59e-05
2	310	50.00	-14.61	0.01	-2.48e-05	0.02	-1.24e-05	6.79e-05
2	310	100.00	-14.28	9.51e-03	-5.73e-05	0.02	-4.10e-05	4.34e-05
2	310	150.00	-14.70	4.93e-03	-7.35e-05	0.03	-7.78e-05	4.98e-05
2	310	200.00	-15.95	-0.11	2.04e-05	-6.94e-03	-6.76e-05	9.95e-05
2	310	250.00	-15.71	-0.11	2.04e-05	-0.06	-5.74e-05	1.58e-04
2	310	295.00	-13.09	8.82e-05	9.66e-05	-0.03	-1.39e-05	2.99e-04
2	310	340.00	-10.08	-0.04	3.10e-05	3.65e-03	0.0	2.15e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-51.06	-46.58	-1.62	-11.02	-0.55	-0.02
	19.17	26.11	1.44	15.23	1.83	0.02

Macro	Tipo	Angolo 1-Z (gradi)
3	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
3	44	0.0	-4.84	-4.21	5.45e-04	5.31e-04	0.0	8.31e-04
3	44	50.00	-4.84	-4.21	5.45e-04	-2.10	2.73e-04	1.44e-03
3	44	100.00	-4.08	-4.47	1.50e-04	-2.47	3.47e-04	1.36e-03
3	44	150.00	-2.44	-4.31	-6.95e-04	-2.45	0.0	1.07e-03
3	69	0.0	-2.81	-0.17	0.81	-0.15	0.0	0.01
3	69	50.00	-2.81	-0.17	0.81	-0.23	0.40	0.02
3	69	100.00	-2.25	-0.15	-0.04	-0.23	0.38	0.02
3	69	150.00	-1.22	-0.16	-0.76	-0.19	0.0	7.77e-03
3	76	0.0	-5.27	0.06	-0.24	-0.14	0.0	-3.69e-03
3	76	50.00	-5.27	0.06	-0.24	-0.11	-0.12	-5.81e-03
3	76	100.00	-4.48	-0.11	0.01	-0.16	-0.11	-4.50e-03
3	76	150.00	-2.64	-0.25	0.23	-0.17	0.0	-2.04e-03
3	116	0.0	-3.07	-58.62	-0.04	-17.72	-5.51e-03	-0.01
3	116	50.00	-3.07	-58.62	-0.04	-17.72	-5.13e-03	-0.01
3	116	100.00	-2.37	-61.05	7.35e-03	-18.29	-0.01	-0.01
3	116	150.00	-3.17	-54.99	0.02	-17.62	-4.99e-03	-0.01
3	130	0.0	-12.70	-1.63	-0.06	3.42	-0.02	-0.01
3	130	50.00	-12.70	-1.63	-0.06	3.41	-0.02	-0.01

3	130	100.00	-10.35	-2.01	-8.09e-03	2.90	-0.03	-8.82e-03
3	130	150.00	-8.60	-2.07	0.07	3.20	-0.02	-4.89e-03
3	131	0.0	5.42	1.61	0.07	-3.63	0.02	0.01
3	131	50.00	5.42	1.61	0.07	-3.63	0.02	0.01
3	131	100.00	4.25	1.81	8.22e-03	-3.17	0.03	8.88e-03
3	131	150.00	5.08	1.72	-0.08	-3.47	0.02	5.18e-03
3	132	0.0	-10.89	-33.63	-0.07	-6.86	-0.02	-0.02
3	132	50.00	-10.89	-33.63	-0.07	-6.86	-0.02	-0.02
3	132	100.00	-8.77	-35.25	-2.74e-03	-7.60	-0.03	-0.02
3	132	150.00	-8.24	-31.93	0.08	-6.97	-0.02	-0.01
3	148	0.0	-3.03	-65.89	-0.04	-19.90	-6.15e-03	-0.02
3	148	50.00	-3.03	-65.89	-0.04	-19.90	-5.76e-03	-0.02
3	148	100.00	-2.31	-68.61	8.20e-03	-20.54	-0.01	-0.02
3	148	150.00	-3.36	-61.79	0.03	-19.78	-5.56e-03	-0.02
3	162	0.0	-13.86	-1.97	-0.07	3.81	-0.02	-0.02
3	162	50.00	-13.86	-1.97	-0.07	3.81	-0.02	-0.02
3	162	100.00	-11.29	-2.40	-9.08e-03	3.23	-0.04	-9.98e-03
3	162	150.00	-9.48	-2.44	0.08	3.58	-0.02	-5.59e-03
3	163	0.0	6.58	1.96	0.07	-4.03	0.02	0.02
3	163	50.00	6.58	1.96	0.07	-4.03	0.02	0.02
3	163	100.00	5.19	2.20	9.21e-03	-3.50	0.04	0.01
3	163	150.00	5.97	2.10	-0.09	-3.85	0.02	5.89e-03
3	164	0.0	-11.83	-37.92	-0.08	-7.73	-0.02	-0.02
3	164	50.00	-11.83	-37.92	-0.08	-7.73	-0.02	-0.02
3	164	100.00	-9.52	-39.73	-3.09e-03	-8.56	-0.04	-0.02
3	164	150.00	-9.09	-35.99	0.08	-7.85	-0.02	-0.01
3	180	0.0	-3.18	-65.21	-0.04	-19.68	-5.79e-03	-0.02
3	180	50.00	-3.18	-65.21	-0.04	-19.68	-5.40e-03	-0.02
3	180	100.00	-2.45	-67.91	7.73e-03	-20.31	-0.01	-0.02
3	180	150.00	-3.46	-61.16	0.02	-19.55	-5.19e-03	-0.01
3	194	0.0	-13.97	-2.83	-0.07	3.52	-0.02	-0.02
3	194	50.00	-13.97	-2.83	-0.07	3.51	-0.02	-0.02
3	194	100.00	-11.42	-3.30	-8.85e-03	2.95	-0.03	-0.01
3	194	150.00	-9.63	-3.27	0.08	3.33	-0.02	-6.04e-03
3	195	0.0	6.69	2.81	0.07	-3.73	0.02	0.02
3	195	50.00	6.69	2.81	0.07	-3.73	0.02	0.02
3	195	100.00	5.32	3.11	8.98e-03	-3.22	0.04	0.01
3	195	150.00	6.12	2.92	-0.08	-3.59	0.02	6.33e-03
3	196	0.0	-12.01	-38.25	-0.08	-7.85	-0.02	-0.02
3	196	50.00	-12.01	-38.25	-0.08	-7.86	-0.02	-0.02
3	196	100.00	-9.70	-40.10	-3.16e-03	-8.67	-0.04	-0.02
3	196	150.00	-9.27	-36.33	0.08	-7.93	-0.02	-0.01
3	212	0.0	-3.22	-76.34	-0.05	-22.99	-6.83e-03	-0.02
3	212	50.00	-3.22	-76.34	-0.05	-23.00	-6.44e-03	-0.02
3	212	100.00	-2.45	-79.49	8.92e-03	-23.73	-0.01	-0.02
3	212	150.00	-3.84	-71.59	0.03	-22.84	-6.11e-03	-0.02
3	226	0.0	-15.95	-4.01	-0.08	3.97	-0.02	-0.02
3	226	50.00	-15.95	-4.01	-0.08	3.97	-0.02	-0.02
3	226	100.00	-13.03	-4.59	-0.01	3.31	-0.04	-0.01
3	226	150.00	-11.18	-4.47	0.09	3.78	-0.02	-7.44e-03
3	227	0.0	8.67	3.99	0.08	-4.19	0.02	0.02
3	227	50.00	8.67	3.99	0.08	-4.19	0.02	0.02
3	227	100.00	6.93	4.39	0.01	-3.58	0.04	0.01
3	227	150.00	7.67	4.12	-0.09	-4.04	0.02	7.73e-03
3	228	0.0	-13.69	-45.36	-0.09	-9.30	-0.02	-0.03
3	228	50.00	-13.69	-45.36	-0.09	-9.30	-0.02	-0.03
3	228	100.00	-11.05	-47.55	-3.84e-03	-10.25	-0.04	-0.02
3	228	150.00	-10.77	-43.07	0.09	-9.37	-0.02	-0.02
3	264	0.0	-3.63	-2.82	3.96e-04	-0.01	0.0	5.54e-04
3	264	50.00	-3.63	-2.82	3.96e-04	-1.42	1.98e-04	9.65e-04
3	264	100.00	-3.05	-3.00	1.04e-04	-1.67	2.50e-04	9.14e-04
3	264	150.00	-1.81	-2.89	-5.00e-04	-1.65	0.0	7.26e-04
3	273	0.0	-3.07	-0.12	0.54	-0.13	0.0	7.63e-03
3	273	50.00	-3.07	-0.12	0.54	-0.19	0.27	0.01
3	273	100.00	-2.50	-0.13	-0.03	-0.19	0.26	0.01
3	273	150.00	-1.39	-0.16	-0.51	-0.16	0.0	5.21e-03
3	280	0.0	-3.92	0.03	-0.16	-0.11	0.0	-2.46e-03
3	280	50.00	-3.92	0.03	-0.16	-0.09	-0.08	-3.87e-03
3	280	100.00	-3.32	-0.09	8.14e-03	-0.13	-0.08	-2.99e-03
3	280	150.00	-1.94	-0.19	0.15	-0.13	0.0	-1.35e-03
3	298	0.0	-3.67	-6.80e-03	8.14e-04	-0.11	0.0	-1.21e-04
3	298	50.00	-3.67	-6.80e-03	8.14e-04	-0.11	4.07e-04	-1.23e-04
3	298	100.00	-3.08	-0.10	6.68e-05	-0.14	4.40e-04	3.47e-05
3	298	150.00	-1.78	-0.18	-8.81e-04	-0.14	0.0	1.55e-04
3	305	0.0	-3.62	-0.57	6.83e-04	-0.09	0.0	2.10e-05

3	305	50.00	-3.62	-0.57	6.83e-04	-0.37	3.42e-04	1.02e-04
3	305	100.00	-3.04	-0.68	7.20e-05	-0.44	3.78e-04	2.09e-04
3	305	150.00	-1.76	-0.72	-7.55e-04	-0.43	0.0	2.60e-04
3	306	0.0	-3.36	-0.04	0.11	-0.10	0.0	1.46e-03
3	306	50.00	-3.36	-0.04	0.11	-0.12	0.05	2.40e-03
3	306	100.00	-2.79	-0.10	-5.32e-03	-0.14	0.05	2.04e-03
3	306	150.00	-1.58	-0.16	-0.10	-0.13	0.0	1.13e-03
3	309	0.0	-3.44	-0.02	5.48e-04	-0.10	0.0	-8.01e-05
3	309	50.00	-3.44	-0.02	5.48e-04	-0.11	2.74e-04	-8.15e-05
3	309	100.00	-2.86	-0.10	5.37e-05	-0.12	3.01e-04	2.15e-05
3	309	150.00	-1.63	-0.16	-6.01e-04	-0.12	0.0	1.03e-04
3	310	0.0	-3.64	-9.09e-03	7.76e-04	-0.11	0.0	-1.15e-04
3	310	50.00	-3.64	-9.09e-03	7.76e-04	-0.11	3.88e-04	-1.17e-04
3	310	100.00	-3.05	-0.10	6.49e-05	-0.13	4.21e-04	3.28e-05
3	310	150.00	-1.76	-0.17	-8.41e-04	-0.13	0.0	1.48e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-15.95	-79.49	-0.76	-23.73	-0.12	-0.03
	8.67	4.39	0.81	3.97	0.40	0.02

Macro	Tipo	Angolo 1-Z (gradi)
4	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
4	44	250.00	-3.21	-4.37	1.11e-03	2.10	0.0	1.57e-03
4	44	295.00	-3.21	-4.37	1.11e-03	0.14	4.98e-04	2.85e-03
4	44	340.00	-3.77	-5.23	-1.33e-03	0.21	6.27e-05	1.76e-03
4	69	250.00	-1.31	-0.08	0.39	-0.04	0.0	-0.01
4	69	295.00	-1.31	-0.08	0.39	-0.08	0.17	-0.02
4	69	340.00	-1.68	-0.25	-0.33	-0.09	7.88e-03	-6.21e-03
4	76	250.00	-3.34	-0.12	-0.11	0.35	0.0	4.85e-03
4	76	295.00	-3.34	-0.12	-0.11	0.29	-0.05	7.42e-03
4	76	340.00	-3.87	-0.41	0.10	0.06	-2.29e-03	3.29e-03
4	113	250.00	-4.51	57.45	4.04e-03	-8.54	7.15e-03	0.02
4	113	295.00	-4.51	57.45	4.04e-03	-8.58	7.46e-03	0.02
4	113	340.00	-1.85	65.58	5.67e-03	-1.65	1.07e-03	0.02
4	116	250.00	0.20	-57.60	-2.65e-03	8.91	-7.15e-03	-0.01
4	116	295.00	0.20	-57.60	-2.65e-03	8.87	-6.84e-03	-0.01
4	116	340.00	-3.25	-66.11	-7.27e-03	1.69	-9.96e-04	-0.02
4	138	250.00	-6.59	8.41	-0.07	-0.65	-0.01	4.01e-03
4	138	295.00	-6.59	8.41	-0.07	-0.69	-0.01	4.46e-03
4	138	340.00	-4.87	7.20	0.06	0.15	-9.11e-03	4.10e-03
4	139	250.00	2.28	-8.56	0.07	1.02	0.01	-2.87e-03
4	139	295.00	2.28	-8.56	0.07	0.98	0.01	-2.30e-03
4	139	340.00	-0.22	-7.72	-0.07	-0.12	9.18e-03	-2.69e-03
4	145	250.00	-4.79	64.59	4.42e-03	-9.63	7.98e-03	0.02
4	145	295.00	-4.79	64.59	4.42e-03	-9.66	8.29e-03	0.02
4	145	340.00	-1.75	73.76	6.42e-03	-1.86	1.20e-03	0.02
4	148	250.00	0.48	-64.74	-3.04e-03	9.99	-7.98e-03	-0.02
4	148	295.00	0.48	-64.74	-3.04e-03	9.96	-7.67e-03	-0.02
4	148	340.00	-3.34	-74.28	-8.02e-03	1.89	-1.12e-03	-0.02
4	170	250.00	-7.16	9.41	-0.07	-0.74	-0.02	4.28e-03
4	170	295.00	-7.16	9.41	-0.07	-0.77	-0.02	4.73e-03
4	170	340.00	-5.18	8.05	0.07	0.18	-0.01	4.44e-03
4	171	250.00	2.85	-9.56	0.08	1.10	0.02	-3.14e-03
4	171	295.00	2.85	-9.56	0.08	1.07	0.02	-2.58e-03
4	171	340.00	0.08	-8.58	-0.07	-0.14	0.01	-3.03e-03
4	177	250.00	-4.69	63.94	4.18e-03	-9.54	7.58e-03	0.02
4	177	295.00	-4.69	63.94	4.18e-03	-9.57	7.89e-03	0.02
4	177	340.00	-1.72	73.02	6.02e-03	-1.84	1.16e-03	0.02
4	180	250.00	0.38	-64.09	-2.80e-03	9.90	-7.58e-03	-0.02
4	180	295.00	0.38	-64.09	-2.80e-03	9.87	-7.26e-03	-0.01
4	180	340.00	-3.38	-73.54	-7.62e-03	1.87	-1.08e-03	-0.02
4	202	250.00	-7.19	9.02	-0.07	-0.59	-0.02	3.27e-03
4	202	295.00	-7.19	9.02	-0.07	-0.63	-0.02	3.78e-03
4	202	340.00	-5.24	7.61	0.07	0.21	-0.01	3.84e-03
4	203	250.00	2.88	-9.17	0.07	0.96	0.02	-2.13e-03
4	203	295.00	2.88	-9.17	0.07	0.92	0.02	-1.63e-03
4	203	340.00	0.15	-8.13	-0.07	-0.18	0.01	-2.43e-03
4	209	250.00	-5.06	74.89	5.03e-03	-11.21	8.84e-03	0.02
4	209	295.00	-5.06	74.89	5.03e-03	-11.24	9.15e-03	0.02
4	209	340.00	-1.54	85.55	6.91e-03	-2.16	1.38e-03	0.02
4	212	250.00	0.75	-75.04	-3.64e-03	11.58	-8.84e-03	-0.02

4	212	295.00	0.75	-75.04	-3.64e-03	11.54	-8.53e-03	-0.02
4	212	340.00	-3.56	-86.07	-8.51e-03	2.20	-1.31e-03	-0.02
4	234	250.00	-8.10	10.39	-0.09	-0.65	-0.02	3.48e-03
4	234	295.00	-8.10	10.39	-0.09	-0.68	-0.02	4.00e-03
4	234	340.00	-5.75	8.73	0.08	0.26	-0.01	4.23e-03
4	235	250.00	3.79	-10.54	0.09	1.02	0.02	-2.34e-03
4	235	295.00	3.79	-10.54	0.09	0.98	0.02	-1.85e-03
4	235	340.00	0.65	-9.25	-0.08	-0.23	0.01	-2.82e-03
4	264	250.00	-2.35	-2.92	7.73e-04	1.41	0.0	1.08e-03
4	264	295.00	-2.35	-2.92	7.73e-04	0.10	3.48e-04	1.95e-03
4	264	340.00	-2.77	-3.51	-9.31e-04	0.14	4.39e-05	1.21e-03
4	273	250.00	-1.58	-0.07	0.26	0.04	0.0	-8.05e-03
4	273	295.00	-1.58	-0.07	0.26	3.40e-03	0.12	-0.01
4	273	340.00	-1.95	-0.24	-0.22	-0.05	5.26e-03	-3.95e-03
4	280	250.00	-2.44	-0.09	-0.08	0.24	0.0	3.26e-03
4	280	295.00	-2.44	-0.09	-0.08	0.20	-0.03	5.00e-03
4	280	340.00	-2.84	-0.30	0.06	0.04	-1.52e-03	2.23e-03
4	298	250.00	-2.19	-0.08	7.25e-04	0.19	0.0	5.99e-04
4	298	295.00	-2.19	-0.08	7.25e-04	0.15	3.26e-04	1.13e-03
4	298	340.00	-2.58	-0.27	-8.37e-04	0.02	3.95e-05	7.43e-04
4	305	250.00	-2.18	-0.64	6.97e-04	0.43	0.0	6.56e-04
4	305	295.00	-2.18	-0.64	6.97e-04	0.14	3.14e-04	1.23e-03
4	305	340.00	-2.58	-0.91	-8.07e-04	0.04	3.80e-05	7.90e-04
4	306	250.00	-1.88	-0.05	0.05	0.13	0.0	-1.30e-03
4	306	295.00	-1.88	-0.05	0.05	0.10	0.02	-1.68e-03
4	306	340.00	-2.26	-0.20	-0.04	3.19e-03	1.07e-03	-3.96e-04
4	308	250.00	-1.99	-0.05	-0.03	0.16	0.0	1.23e-03
4	308	295.00	-1.99	-0.05	-0.03	0.14	-0.01	1.95e-03
4	308	340.00	-2.38	-0.19	0.02	0.02	-4.97e-04	9.35e-04
4	309	250.00	-1.95	-0.05	5.09e-04	0.15	0.0	3.87e-04
4	309	295.00	-1.95	-0.05	5.09e-04	0.13	2.29e-04	7.40e-04
4	309	340.00	-2.34	-0.20	-5.59e-04	0.02	2.64e-05	4.91e-04
4	310	250.00	-2.15	-0.08	6.94e-04	0.18	0.0	5.69e-04
4	310	295.00	-2.15	-0.08	6.94e-04	0.15	3.12e-04	1.08e-03
4	310	340.00	-2.55	-0.26	-7.97e-04	0.02	3.76e-05	7.07e-04

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-8.10	-86.07	-0.33	-11.24	-0.05	-0.02
			3.79	85.55	0.39	11.58	0.17	0.02

Macro	Tipo	Angolo 1-Z (gradi)
5	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
5	45	0.0	-46.03	-9.48	-4.82e-03	58.22	0.0	2.01e-03
5	45	50.00	-46.03	-9.48	-4.82e-03	53.48	-2.41e-03	3.45e-03
5	45	100.00	-43.94	-9.71	-5.24e-03	48.96	-5.03e-03	2.95e-03
5	45	150.00	-42.82	-10.57	-1.32e-04	45.37	-5.09e-03	2.83e-03
5	45	200.00	-42.54	-13.79	7.25e-03	41.42	-1.47e-03	2.71e-03
5	45	250.00	-40.35	-13.79	0.01	33.84	5.00e-03	2.76e-03
5	45	295.00	-38.15	-10.72	9.83e-03	27.95	9.43e-03	2.80e-03
5	45	340.00	-33.44	-9.44	-0.02	20.21	0.0	1.84e-03
5	68	0.0	-84.00	0.57	2.93	37.93	0.0	0.08
5	68	50.00	-84.00	0.57	2.93	38.21	1.47	0.12
5	68	100.00	-80.57	0.68	1.74	37.03	2.34	0.07
5	68	150.00	-78.42	0.87	0.76	37.61	2.72	0.02
5	68	200.00	-77.33	0.81	-0.23	39.70	2.60	-0.02
5	68	250.00	-75.46	0.82	-0.79	40.11	2.21	-0.09
5	68	295.00	-72.26	0.85	-1.88	37.56	1.36	-0.10
5	68	340.00	-63.66	1.30	-3.02	29.98	0.0	-0.08
5	69	0.0	-36.03	0.24	2.96	7.50	0.0	0.08
5	69	50.00	-36.03	0.24	2.96	7.62	1.48	0.12
5	69	100.00	-35.09	0.30	1.76	8.14	2.36	0.07
5	69	150.00	-34.62	0.41	0.77	9.39	2.74	0.02
5	69	200.00	-34.54	0.44	-0.24	11.27	2.62	-0.02
5	69	250.00	-34.06	0.45	-0.81	12.37	2.22	-0.09
5	69	295.00	-32.76	0.31	-1.90	11.73	1.36	-0.10
5	69	340.00	-29.29	0.47	-3.02	8.99	0.0	-0.08
5	76	0.0	-120.02	0.76	-0.93	65.20	0.0	-0.02
5	76	50.00	-120.02	0.76	-0.93	65.58	-0.46	-0.03
5	76	100.00	-113.31	0.87	-0.56	61.48	-0.74	-0.02
5	76	150.00	-108.47	1.06	-0.24	59.85	-0.86	-2.27e-03
5	76	200.00	-105.19	0.86	0.09	60.32	-0.82	8.81e-03

5	76	250.00	-100.98	0.87	0.28	58.61	-0.68	0.03
5	76	295.00	-95.31	1.08	0.62	53.48	-0.40	0.03
5	76	340.00	-83.03	1.70	0.88	42.30	0.0	0.02
5	113	0.0	-220.93	119.12	-0.05	-411.66	-5.20e-03	0.04
5	113	50.00	-220.93	119.12	-0.05	-411.44	-0.01	0.04
5	113	100.00	-207.47	121.42	-0.01	-378.21	-0.02	0.04
5	113	150.00	-191.46	137.51	-0.01	-343.47	-0.02	0.04
5	113	200.00	-173.90	183.36	-0.01	-296.26	-0.02	0.04
5	113	250.00	-179.41	183.10	0.04	-194.65	-0.04	0.03
5	113	295.00	-164.21	133.61	0.02	-143.92	-0.03	0.02
5	113	340.00	-145.00	117.79	7.75e-03	-117.03	-0.02	0.02
5	118	0.0	-289.70	103.42	-0.15	-293.82	-0.03	0.02
5	118	50.00	-289.70	103.42	-0.15	-293.60	-0.04	0.02
5	118	100.00	-273.91	105.91	-0.12	-269.86	-0.09	0.02
5	118	150.00	-255.67	119.74	-0.09	-244.26	-0.13	0.02
5	118	200.00	-236.83	159.39	-0.02	-206.24	-0.13	0.02
5	118	250.00	-230.40	159.63	0.05	-114.46	-0.14	0.03
5	118	295.00	-210.35	120.50	0.10	-78.04	-0.11	0.03
5	118	340.00	-186.74	105.83	0.15	-61.52	-0.05	0.03
5	119	0.0	146.24	-102.54	0.11	362.93	0.03	-0.01
5	119	50.00	146.24	-102.54	0.11	363.15	0.02	-0.01
5	119	100.00	138.19	-104.89	0.09	335.30	0.06	-0.02
5	119	150.00	125.56	-118.48	0.08	308.47	0.09	-0.02
5	119	200.00	110.52	-158.32	0.03	271.72	0.10	-0.02
5	119	250.00	109.05	-158.55	-9.37e-03	178.56	0.14	-0.03
5	119	295.00	95.92	-119.34	-0.05	136.27	0.12	-0.03
5	119	340.00	86.72	-103.97	-0.18	106.94	0.05	-0.03
5	129	0.0	-53.38	68.76	0.11	-303.33	0.03	0.05
5	129	50.00	-53.38	68.76	0.11	-303.11	0.02	0.05
5	129	100.00	-48.64	70.23	0.13	-280.67	0.07	0.05
5	129	150.00	-43.40	79.75	0.10	-256.57	0.12	0.06
5	129	200.00	-37.01	106.79	5.63e-03	-226.57	0.14	0.05
5	129	250.00	-44.46	106.70	0.03	-164.87	0.12	0.02
5	129	295.00	-42.54	69.47	-0.07	-127.97	0.10	1.80e-04
5	129	340.00	-36.15	62.15	-0.18	-107.57	0.03	2.14e-03
5	145	0.0	-238.95	133.84	-0.05	-467.43	-5.85e-03	0.04
5	145	50.00	-238.95	133.84	-0.05	-467.21	-0.02	0.04
5	145	100.00	-224.31	136.42	-0.01	-429.61	-0.03	0.04
5	145	150.00	-206.66	154.49	-0.01	-390.48	-0.02	0.04
5	145	200.00	-187.16	206.05	-0.02	-337.50	-0.02	0.04
5	145	250.00	-193.74	205.76	0.05	-223.08	-0.04	0.03
5	145	295.00	-177.09	150.10	0.02	-165.71	-0.03	0.03
5	145	340.00	-156.41	132.28	0.01	-134.65	-0.02	0.03
5	150	0.0	-316.79	116.09	-0.16	-334.02	-0.03	0.02
5	150	50.00	-316.79	116.09	-0.16	-333.80	-0.04	0.02
5	150	100.00	-299.50	118.87	-0.13	-306.93	-0.10	0.02
5	150	150.00	-279.33	134.39	-0.10	-278.15	-0.14	0.02
5	150	200.00	-258.38	178.92	-0.02	-235.56	-0.15	0.03
5	150	250.00	-251.46	179.20	0.05	-132.31	-0.16	0.03
5	150	295.00	-229.31	135.25	0.11	-91.14	-0.12	0.03
5	150	340.00	-203.65	118.73	0.17	-71.82	-0.05	0.03
5	151	0.0	173.33	-115.21	0.12	403.14	0.03	-0.02
5	151	50.00	173.33	-115.21	0.12	403.36	0.02	-0.01
5	151	100.00	163.78	-117.86	0.10	372.38	0.07	-0.02
5	151	150.00	149.22	-133.13	0.09	342.36	0.10	-0.02
5	151	200.00	132.06	-177.85	0.04	301.04	0.12	-0.02
5	151	250.00	130.11	-178.12	-0.01	196.41	0.15	-0.03
5	151	295.00	114.88	-134.09	-0.06	149.37	0.13	-0.03
5	151	340.00	103.63	-116.87	-0.20	117.24	0.05	-0.03
5	161	0.0	-50.35	77.48	0.12	-347.07	0.03	0.05
5	161	50.00	-50.35	77.48	0.12	-346.86	0.02	0.05
5	161	100.00	-45.52	79.13	0.15	-321.27	0.08	0.05
5	161	150.00	-40.01	89.85	0.12	-293.99	0.13	0.06
5	161	200.00	-33.06	120.36	5.55e-03	-260.22	0.16	0.05
5	161	250.00	-41.84	120.26	0.03	-190.47	0.14	0.02
5	161	295.00	-40.18	78.26	-0.08	-148.41	0.11	2.07e-04
5	161	340.00	-33.93	69.97	-0.20	-124.55	0.04	2.47e-03
5	177	0.0	-234.28	132.46	-0.05	-464.85	-5.85e-03	0.04
5	177	50.00	-234.28	132.46	-0.05	-464.63	-0.02	0.04
5	177	100.00	-219.77	135.02	-0.01	-427.45	-0.03	0.04
5	177	150.00	-202.32	152.91	-9.62e-03	-388.70	-0.02	0.05
5	177	200.00	-183.02	203.97	-0.01	-336.25	-0.02	0.04
5	177	250.00	-189.96	203.68	0.05	-222.39	-0.04	0.03
5	177	295.00	-173.51	148.50	0.02	-165.68	-0.03	0.03
5	177	340.00	-153.09	130.88	9.17e-03	-134.82	-0.02	0.02

5	182	0.0	-314.39	114.25	-0.16	-327.17	-0.03	0.02
5	182	50.00	-314.39	114.25	-0.16	-326.95	-0.04	0.02
5	182	100.00	-297.13	116.98	-0.13	-300.77	-0.10	0.02
5	182	150.00	-277.04	132.23	-0.10	-272.67	-0.14	0.02
5	182	200.00	-256.25	176.05	-0.02	-230.88	-0.14	0.03
5	182	250.00	-249.42	176.33	0.05	-128.79	-0.16	0.03
5	182	295.00	-227.21	133.09	0.10	-88.86	-0.12	0.03
5	182	340.00	-201.68	116.82	0.16	-70.04	-0.05	0.03
5	183	0.0	170.93	-113.37	0.12	396.28	0.03	-0.01
5	183	50.00	170.93	-113.37	0.12	396.50	0.02	-0.01
5	183	100.00	161.41	-115.96	0.10	366.22	0.07	-0.02
5	183	150.00	146.93	-130.97	0.09	336.88	0.10	-0.02
5	183	200.00	129.93	-174.98	0.04	296.36	0.12	-0.02
5	183	250.00	128.06	-175.25	-0.01	192.89	0.15	-0.03
5	183	295.00	112.78	-131.93	-0.06	147.10	0.13	-0.03
5	183	340.00	101.66	-114.96	-0.19	115.46	0.05	-0.03
5	193	0.0	-45.98	78.18	0.12	-354.32	0.03	0.06
5	193	50.00	-45.98	78.18	0.12	-354.10	0.02	0.06
5	193	100.00	-41.32	79.85	0.14	-328.12	0.08	0.05
5	193	150.00	-35.98	90.67	0.12	-300.40	0.13	0.06
5	193	200.00	-29.11	121.53	7.81e-03	-266.25	0.15	0.06
5	193	250.00	-38.33	121.42	0.03	-195.38	0.14	0.02
5	193	295.00	-37.09	78.97	-0.08	-152.37	0.10	3.42e-04
5	193	340.00	-31.07	70.64	-0.20	-128.04	0.04	2.84e-03
5	209	0.0	-259.86	155.01	-0.06	-552.02	-6.70e-03	0.05
5	209	50.00	-259.86	155.01	-0.06	-551.80	-0.02	0.05
5	209	100.00	-243.56	158.00	-0.01	-507.91	-0.03	0.05
5	209	150.00	-223.66	178.92	-9.29e-03	-462.41	-0.02	0.05
5	209	200.00	-201.42	238.75	-0.02	-401.10	-0.02	0.05
5	209	250.00	-210.34	238.41	0.05	-267.16	-0.05	0.04
5	209	295.00	-191.69	173.70	0.02	-200.32	-0.04	0.03
5	209	340.00	-169.15	153.03	0.01	-162.95	-0.02	0.03
5	225	0.0	-38.25	92.65	0.15	-429.24	0.04	0.07
5	225	50.00	-38.25	92.65	0.15	-429.02	0.03	0.07
5	225	100.00	-33.56	94.62	0.17	-397.73	0.10	0.06
5	225	150.00	-27.91	107.43	0.14	-364.61	0.16	0.08
5	225	200.00	-20.20	144.08	8.31e-03	-324.17	0.19	0.07
5	225	250.00	-31.83	143.95	0.04	-239.66	0.16	0.02
5	225	295.00	-31.27	93.50	-0.09	-187.78	0.12	2.89e-04
5	225	340.00	-25.64	83.59	-0.23	-157.58	0.04	3.40e-03
5	234	0.0	-357.09	19.99	-0.28	120.79	-0.06	-0.03
5	234	50.00	-357.09	19.99	-0.28	121.01	-0.07	-0.03
5	234	100.00	-341.40	22.56	-0.29	108.45	-0.20	-0.02
5	234	150.00	-325.18	24.83	-0.21	99.13	-0.29	-0.01
5	234	200.00	-311.53	32.52	-9.71e-03	97.04	-0.32	5.97e-04
5	234	250.00	-268.63	34.60	0.06	134.02	-0.30	0.01
5	234	295.00	-244.99	31.69	0.22	118.73	-0.23	0.01
5	234	340.00	-218.99	27.20	0.38	101.00	-0.09	0.01
5	235	0.0	213.63	-19.11	0.24	-51.67	0.06	0.03
5	235	50.00	213.63	-19.11	0.24	-51.46	0.05	0.03
5	235	100.00	205.68	-21.54	0.26	-43.00	0.16	0.03
5	235	150.00	195.07	-23.57	0.20	-34.91	0.25	0.02
5	235	200.00	185.22	-31.45	0.03	-31.57	0.29	8.86e-04
5	235	250.00	147.28	-33.52	-0.02	-69.91	0.29	-0.01
5	235	295.00	130.56	-30.54	-0.18	-60.50	0.24	-0.01
5	235	340.00	118.97	-25.34	-0.41	-55.59	0.09	-0.01
5	261	0.0	-52.54	-6.19	-7.39e-03	48.65	0.0	1.66e-03
5	261	50.00	-52.54	-6.19	-7.39e-03	45.55	-3.70e-03	2.82e-03
5	261	100.00	-49.97	-6.32	-6.67e-03	41.95	-7.03e-03	2.36e-03
5	261	150.00	-48.37	-6.86	-7.19e-04	39.40	-7.39e-03	2.18e-03
5	261	200.00	-47.60	-9.03	7.42e-03	36.99	-3.68e-03	2.00e-03
5	261	250.00	-45.37	-9.03	0.01	31.76	3.34e-03	1.98e-03
5	261	295.00	-42.81	-6.99	0.01	26.93	8.72e-03	1.96e-03
5	261	340.00	-37.53	-6.04	-0.02	19.87	0.0	1.27e-03
5	273	0.0	-45.87	0.29	1.97	14.83	0.0	0.05
5	273	50.00	-45.87	0.29	1.97	14.98	0.98	0.08
5	273	100.00	-44.07	0.35	1.17	14.74	1.57	0.04
5	273	150.00	-42.90	0.46	0.51	15.42	1.82	0.01
5	273	200.00	-42.27	0.46	-0.16	16.89	1.74	-0.02
5	273	250.00	-41.18	0.46	-0.53	17.45	1.48	-0.06
5	273	295.00	-39.22	0.36	-1.26	16.12	0.91	-0.07
5	273	340.00	-34.76	0.57	-2.02	12.39	0.0	-0.05
5	276	0.0	-62.02	0.41	1.95	27.23	0.0	0.05
5	276	50.00	-62.02	0.41	1.95	27.43	0.98	0.08
5	276	100.00	-59.40	0.49	1.16	26.52	1.56	0.05

5	276	150.00	-57.70	0.63	0.51	26.89	1.81	0.01
5	276	200.00	-56.78	0.59	-0.15	28.37	1.73	-0.02
5	276	250.00	-55.29	0.59	-0.52	28.62	1.47	-0.06
5	276	295.00	-52.81	0.60	-1.25	26.67	0.91	-0.07
5	276	340.00	-46.52	0.93	-2.02	21.15	0.0	-0.05
5	280	0.0	-86.04	0.54	-0.62	45.41	0.0	-0.01
5	280	50.00	-86.04	0.54	-0.62	45.68	-0.31	-0.02
5	280	100.00	-81.23	0.62	-0.37	42.82	-0.50	-0.01
5	280	150.00	-77.73	0.76	-0.16	41.71	-0.58	-1.46e-03
5	280	200.00	-75.36	0.62	0.06	42.11	-0.55	5.92e-03
5	280	250.00	-72.31	0.63	0.19	40.95	-0.45	0.02
5	280	295.00	-68.17	0.75	0.41	37.28	-0.26	0.02
5	280	340.00	-59.43	1.19	0.59	29.36	0.0	0.02
5	298	0.0	-73.73	0.45	-0.02	36.11	0.0	1.52e-03
5	298	50.00	-73.73	0.45	-0.02	36.34	-0.01	2.50e-03
5	298	100.00	-69.75	0.52	-0.02	34.20	-0.02	1.85e-03
5	298	150.00	-66.88	0.65	-4.32e-03	33.54	-0.02	1.37e-03
5	298	200.00	-64.95	0.55	9.41e-03	34.16	-0.02	7.80e-04
5	298	250.00	-62.41	0.55	0.02	33.44	-4.78e-03	4.08e-04
5	298	295.00	-58.88	0.61	0.02	30.43	6.07e-03	1.63e-04
5	298	340.00	-51.45	0.97	-0.01	23.79	0.0	6.75e-06
5	303	0.0	-72.45	1.09	-0.02	32.21	0.0	1.33e-03
5	303	50.00	-72.45	1.09	-0.02	32.76	-9.85e-03	2.17e-03
5	303	100.00	-68.51	1.18	-0.01	30.92	-0.02	1.59e-03
5	303	150.00	-65.63	1.37	-3.99e-03	30.52	-0.02	1.14e-03
5	303	200.00	-63.64	1.48	8.94e-03	31.46	-0.01	5.92e-04
5	303	250.00	-61.17	1.49	0.02	31.25	-4.26e-03	2.48e-04
5	303	295.00	-57.65	1.32	0.02	28.55	5.96e-03	1.78e-05
5	303	340.00	-50.39	1.60	-0.01	22.34	0.0	-8.02e-05
5	306	0.0	-56.95	0.34	0.39	23.15	0.0	0.01
5	306	50.00	-56.95	0.34	0.39	23.32	0.19	0.02
5	306	100.00	-54.01	0.40	0.23	22.06	0.31	9.62e-03
5	306	150.00	-51.86	0.50	0.10	21.90	0.36	2.87e-03
5	306	200.00	-50.39	0.45	-0.03	22.72	0.34	-2.80e-03
5	306	250.00	-48.44	0.46	-0.10	22.48	0.30	-0.01
5	306	295.00	-45.59	0.40	-0.24	20.23	0.19	-0.01
5	306	340.00	-40.05	0.66	-0.42	15.45	0.0	-0.01
5	307	0.0	-68.96	0.43	0.38	32.48	0.0	0.01
5	307	50.00	-68.96	0.43	0.38	32.69	0.19	0.02
5	307	100.00	-65.38	0.50	0.22	30.89	0.30	0.01
5	307	150.00	-62.82	0.62	0.10	30.49	0.35	3.40e-03
5	307	200.00	-61.13	0.54	-0.02	31.28	0.34	-2.57e-03
5	307	250.00	-58.86	0.54	-0.09	30.79	0.29	-0.01
5	307	295.00	-55.62	0.57	-0.23	28.09	0.19	-0.01
5	307	340.00	-48.69	0.91	-0.41	21.94	0.0	-0.01
5	309	0.0	-59.73	0.35	-9.72e-03	25.23	0.0	7.80e-04
5	309	50.00	-59.73	0.35	-9.72e-03	25.41	-4.86e-03	1.29e-03
5	309	100.00	-56.49	0.41	-7.78e-03	23.89	-8.75e-03	9.68e-04
5	309	150.00	-54.09	0.52	-1.48e-03	23.52	-9.49e-03	7.55e-04
5	309	200.00	-52.43	0.45	6.64e-03	24.18	-6.16e-03	5.10e-04
5	309	250.00	-50.26	0.46	0.01	23.74	6.99e-04	3.92e-04
5	309	295.00	-47.18	0.41	0.01	21.26	6.74e-03	3.07e-04
5	309	340.00	-41.38	0.68	-0.01	16.21	0.0	1.70e-04
5	310	0.0	-71.73	0.44	-0.02	34.56	0.0	1.42e-03
5	310	50.00	-71.73	0.44	-0.02	34.78	-9.74e-03	2.33e-03
5	310	100.00	-67.86	0.51	-0.01	32.72	-0.02	1.72e-03
5	310	150.00	-65.05	0.63	-3.91e-03	32.11	-0.02	1.28e-03
5	310	200.00	-63.16	0.54	9.02e-03	32.74	-0.01	7.41e-04
5	310	250.00	-60.68	0.54	0.02	32.05	-4.00e-03	4.06e-04
5	310	295.00	-57.21	0.58	0.02	29.12	6.16e-03	1.83e-04
5	310	340.00	-50.01	0.93	-0.01	22.71	0.0	3.01e-05

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-357.09	-178.12	-3.02	-552.02	-0.86	-0.10
			213.63	238.75	2.96	403.36	2.74	0.12

Macro	Tipo	Angolo 1-Z (gradi)
6	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
6	44	0.0	-6.21	-4.55	-1.38e-03	-0.07	0.0	5.23e-04
6	44	50.00	-6.21	-4.55	-1.38e-03	-2.34	-6.90e-04	1.01e-03
6	44	100.00	-5.34	-4.64	-1.15e-04	-2.71	-7.47e-04	1.11e-03

6	44	150.00	-3.14	-4.24	1.49e-03	-2.60	0.0	1.00e-03
6	68	0.0	-5.02	0.03	0.61	-0.18	0.0	-0.13
6	68	50.00	-5.02	0.03	0.61	-0.17	0.31	-0.20
6	68	100.00	-4.25	-6.68e-03	-0.06	-0.21	0.28	-0.14
6	68	150.00	-2.46	-0.02	-0.55	-0.19	0.0	-0.07
6	69	0.0	-3.03	0.03	0.62	0.06	0.0	-0.13
6	69	50.00	-3.03	0.03	0.62	0.08	0.31	-0.20
6	69	100.00	-2.46	0.05	-0.06	0.08	0.28	-0.14
6	69	150.00	-1.35	0.08	-0.55	0.07	0.0	-0.07
6	116	0.0	-11.77	-60.36	-5.34e-03	-19.43	-5.34e-03	-0.01
6	116	50.00	-11.77	-60.36	-5.34e-03	-19.42	-5.82e-03	-0.01
6	116	100.00	-10.12	-63.03	4.06e-03	-19.93	-0.01	-0.01
6	116	150.00	-5.54	-56.20	0.01	-19.53	-5.68e-03	-0.01
6	139	0.0	2.77	-6.77	0.05	-1.53	0.02	-0.03
6	139	50.00	2.77	-6.77	0.05	-1.52	0.01	-0.03
6	139	100.00	2.86	-6.74	-4.03e-04	-1.98	0.03	-0.02
6	139	150.00	3.41	-6.71	-0.05	-2.54	0.01	-0.01
6	141	0.0	6.41	23.38	0.05	7.94	0.02	-0.03
6	141	50.00	6.41	23.38	0.05	7.96	0.01	-0.03
6	141	100.00	6.01	24.73	-1.89e-04	7.75	0.03	-0.02
6	141	150.00	5.02	21.32	-0.05	7.03	0.01	-0.01
6	144	0.0	-14.38	-23.32	-0.05	-8.24	-0.02	0.03
6	144	50.00	-14.38	-23.32	-0.05	-8.23	-0.02	0.02
6	144	100.00	-12.77	-24.75	4.10e-06	-8.10	-0.03	0.02
6	144	150.00	-8.96	-21.40	0.05	-7.34	-0.01	0.01
6	148	0.0	-12.76	-67.86	-5.86e-03	-21.83	-5.96e-03	-0.01
6	148	50.00	-12.76	-67.86	-5.86e-03	-21.82	-6.44e-03	-0.01
6	148	100.00	-10.99	-70.86	4.56e-03	-22.39	-0.01	-0.01
6	148	150.00	-6.00	-63.17	0.01	-21.94	-6.34e-03	-0.01
6	171	0.0	3.66	-7.55	0.06	-1.66	0.02	-0.03
6	171	50.00	3.66	-7.55	0.06	-1.65	0.02	-0.03
6	171	100.00	3.68	-7.50	-4.93e-04	-2.16	0.03	-0.03
6	171	150.00	4.11	-7.48	-0.06	-2.80	0.02	-0.02
6	173	0.0	7.76	26.33	0.06	8.99	0.02	-0.03
6	173	50.00	7.76	26.33	0.06	9.00	0.02	-0.03
6	173	100.00	7.22	27.86	-2.55e-04	8.77	0.03	-0.02
6	173	150.00	5.92	24.03	-0.06	7.95	0.02	-0.01
6	176	0.0	-15.73	-26.27	-0.06	-9.29	-0.02	0.03
6	176	50.00	-15.73	-26.27	-0.06	-9.27	-0.02	0.03
6	176	100.00	-13.99	-27.88	6.99e-05	-9.13	-0.03	0.02
6	176	150.00	-9.86	-24.10	0.06	-8.27	-0.02	0.01
6	180	0.0	-12.86	-67.17	-5.59e-03	-21.67	-5.63e-03	-0.01
6	180	50.00	-12.86	-67.17	-5.59e-03	-21.66	-6.11e-03	-0.01
6	180	100.00	-11.07	-70.15	4.43e-03	-22.22	-0.01	-0.01
6	180	150.00	-6.07	-62.56	0.01	-21.77	-5.96e-03	-0.01
6	203	0.0	3.86	-7.14	0.06	-1.38	0.02	-0.03
6	203	50.00	3.86	-7.14	0.06	-1.37	0.02	-0.03
6	203	100.00	3.85	-7.04	-7.89e-04	-1.89	0.03	-0.03
6	203	150.00	4.25	-7.05	-0.05	-2.55	0.02	-0.02
6	205	0.0	7.91	26.23	0.05	9.12	0.02	-0.03
6	205	50.00	7.91	26.23	0.05	9.13	0.02	-0.03
6	205	100.00	7.36	27.78	-5.72e-04	8.89	0.03	-0.02
6	205	150.00	6.05	23.97	-0.05	8.04	0.02	-0.01
6	208	0.0	-15.88	-26.17	-0.06	-9.42	-0.02	0.03
6	208	50.00	-15.88	-26.17	-0.06	-9.40	-0.02	0.03
6	208	100.00	-14.13	-27.80	3.87e-04	-9.24	-0.03	0.02
6	208	150.00	-9.99	-24.05	0.05	-8.36	-0.02	0.01
6	212	0.0	-14.49	-78.65	-6.59e-03	-25.39	-6.59e-03	-0.02
6	212	50.00	-14.49	-78.65	-6.59e-03	-25.37	-7.07e-03	-0.01
6	212	100.00	-12.48	-82.15	5.24e-03	-26.02	-0.01	-0.01
6	212	150.00	-6.85	-73.26	0.02	-25.49	-6.96e-03	-0.01
6	235	0.0	5.34	-8.15	0.07	-1.44	0.02	-0.04
6	235	50.00	5.34	-8.15	0.07	-1.43	0.02	-0.03
6	235	100.00	5.22	-8.00	-1.08e-03	-2.04	0.04	-0.03
6	235	150.00	5.42	-8.04	-0.06	-2.84	0.02	-0.02
6	237	0.0	10.08	30.73	0.06	10.79	0.02	-0.03
6	237	50.00	10.08	30.73	0.06	10.81	0.02	-0.03
6	237	100.00	9.32	32.56	-8.06e-04	10.52	0.04	-0.03
6	237	150.00	7.52	28.11	-0.06	9.51	0.02	-0.02
6	240	0.0	-18.05	-30.67	-0.07	-11.09	-0.02	0.03
6	240	50.00	-18.05	-30.67	-0.07	-11.08	-0.02	0.03
6	240	100.00	-16.09	-32.58	6.21e-04	-10.88	-0.04	0.03
6	240	150.00	-11.46	-28.19	0.06	-9.82	-0.02	0.02
6	264	0.0	-4.56	-3.02	-9.41e-04	-0.04	0.0	3.57e-04
6	264	50.00	-4.56	-3.02	-9.41e-04	-1.55	-4.70e-04	6.87e-04

6	264	100.00	-3.91	-3.09	-7.69e-05	-1.80	-5.09e-04	7.60e-04
6	264	150.00	-2.29	-2.82	1.02e-03	-1.73	0.0	6.85e-04
6	273	0.0	-3.29	0.04	0.41	8.40e-03	0.0	-0.09
6	273	50.00	-3.29	0.04	0.41	0.03	0.21	-0.13
6	273	100.00	-2.71	0.04	-0.04	0.02	0.18	-0.10
6	273	150.00	-1.52	0.05	-0.37	9.20e-03	0.0	-0.04
6	276	0.0	-3.77	0.02	0.41	-0.11	0.0	-0.09
6	276	50.00	-3.77	0.02	0.41	-0.10	0.20	-0.13
6	276	100.00	-3.18	2.21e-03	-0.04	-0.13	0.18	-0.10
6	276	150.00	-1.83	-7.79e-03	-0.37	-0.12	0.0	-0.04
6	305	0.0	-4.07	-0.58	-9.30e-04	-0.12	0.0	-1.08e-04
6	305	50.00	-4.07	-0.58	-9.30e-04	-0.41	-4.65e-04	-9.16e-05
6	305	100.00	-3.46	-0.62	-8.65e-05	-0.49	-5.08e-04	7.75e-05
6	305	150.00	-2.02	-0.59	1.02e-03	-0.47	0.0	2.03e-04
6	306	0.0	-3.57	0.04	0.08	-0.05	0.0	-0.02
6	306	50.00	-3.57	0.04	0.08	-0.03	0.04	-0.03
6	306	100.00	-2.98	0.02	-8.48e-03	-0.05	0.04	-0.02
6	306	150.00	-1.70	0.02	-0.07	-0.05	0.0	-8.79e-03
6	307	0.0	-3.92	0.03	0.08	-0.14	0.0	-0.02
6	307	50.00	-3.92	0.03	0.08	-0.12	0.04	-0.03
6	307	100.00	-3.32	-6.24e-03	-8.54e-03	-0.16	0.04	-0.02
6	307	150.00	-1.92	-0.03	-0.07	-0.14	0.0	-8.83e-03
6	309	0.0	-3.64	0.04	-4.81e-04	-0.06	0.0	-4.21e-05
6	309	50.00	-3.64	0.04	-4.81e-04	-0.04	-2.40e-04	-2.30e-05
6	309	100.00	-3.04	0.02	-3.66e-05	-0.06	-2.59e-04	6.38e-05
6	309	150.00	-1.74	0.01	5.17e-04	-0.06	0.0	1.22e-04
6	310	0.0	-3.98	0.03	-9.58e-04	-0.15	0.0	-2.34e-04
6	310	50.00	-3.98	0.03	-9.58e-04	-0.14	-4.79e-04	-2.99e-04
6	310	100.00	-3.38	-9.94e-03	-9.23e-05	-0.18	-5.25e-04	-9.94e-05
6	310	150.00	-1.97	-0.04	1.05e-03	-0.16	0.0	8.32e-05

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-18.05	-82.15	-0.55	-26.02	-0.04	-0.20
			10.08	32.56	0.62	10.81	0.31	0.03

Macro	Tipo	Angolo 1-Z (gradi)
7	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
7	44	250.00	-3.65	-5.21	-5.21e-04	1.46	0.0	1.73e-03
7	44	295.00	-3.65	-5.21	-5.21e-04	-0.88	-2.34e-04	3.03e-03
7	44	340.00	-4.35	-6.43	8.83e-04	-0.25	-3.88e-05	1.80e-03
7	68	250.00	-2.98	-0.54	0.28	-0.27	0.0	0.11
7	68	295.00	-2.98	-0.54	0.28	-0.51	0.13	0.21
7	68	340.00	-3.67	-0.82	-0.21	-0.30	2.30e-03	0.13
7	69	250.00	-1.51	-0.02	0.28	-0.07	0.0	0.11
7	69	295.00	-1.51	-0.02	0.28	-0.08	0.13	0.20
7	69	340.00	-1.95	-0.03	-0.21	-0.04	2.34e-03	0.13
7	76	250.00	-3.80	-0.99	-0.09	-0.34	0.0	-0.03
7	76	295.00	-3.80	-0.99	-0.09	-0.79	-0.04	-0.06
7	76	340.00	-4.57	-1.46	0.06	-0.45	-7.65e-04	-0.04
7	116	250.00	-6.74	-59.80	-7.39e-03	8.42	1.27e-03	-0.02
7	116	295.00	-6.74	-59.80	-7.39e-03	8.21	1.07e-03	-0.02
7	116	340.00	-3.23	-70.46	0.02	1.27	1.02e-03	-0.02
7	137	250.00	2.77	26.79	0.05	-2.77	0.01	0.04
7	137	295.00	2.77	26.79	0.05	-2.99	0.01	0.04
7	137	340.00	-0.68	31.60	-0.05	-0.29	6.19e-03	0.04
7	141	250.00	2.86	24.32	0.05	-2.33	0.01	0.03
7	141	295.00	2.86	24.32	0.05	-2.55	0.01	0.03
7	141	340.00	-0.53	28.75	-0.05	-0.20	6.89e-03	0.03
7	144	250.00	-7.58	-25.28	-0.05	1.99	-0.01	-0.03
7	144	295.00	-7.58	-25.28	-0.05	1.78	-0.01	-0.03
7	144	340.00	-5.26	-30.15	0.05	-0.23	-6.95e-03	-0.03
7	148	250.00	-7.29	-67.17	-8.27e-03	9.48	1.41e-03	-0.02
7	148	295.00	-7.29	-67.17	-8.27e-03	9.27	1.22e-03	-0.02
7	148	340.00	-3.27	-79.14	0.02	1.45	1.14e-03	-0.02
7	169	250.00	3.44	30.24	0.05	-3.10	0.01	0.04
7	169	295.00	3.44	30.24	0.05	-3.32	0.01	0.04
7	169	340.00	-0.39	35.69	-0.06	-0.30	6.98e-03	0.04
7	173	250.00	3.53	27.48	0.06	-2.61	0.01	0.03
7	173	295.00	3.53	27.48	0.06	-2.82	0.01	0.04
7	173	340.00	-0.21	32.49	-0.06	-0.20	7.76e-03	0.04
7	176	250.00	-8.26	-28.44	-0.06	2.27	-0.01	-0.03

7	176	295.00	-8.26	-28.44	-0.06	2.05	-0.01	-0.03
7	176	340.00	-5.58	-33.90	0.06	-0.23	-7.82e-03	-0.04
7	180	250.00	-7.33	-66.57	-8.35e-03	9.37	1.33e-03	-0.02
7	180	295.00	-7.33	-66.57	-8.35e-03	9.15	1.13e-03	-0.02
7	180	340.00	-3.33	-78.44	0.02	1.41	1.07e-03	-0.02
7	201	250.00	3.56	30.27	0.05	-3.09	0.01	0.04
7	201	295.00	3.56	30.27	0.05	-3.30	0.01	0.04
7	201	340.00	-0.31	35.76	-0.06	-0.28	6.99e-03	0.04
7	205	250.00	3.64	27.51	0.06	-2.60	0.01	0.03
7	205	295.00	3.64	27.51	0.06	-2.81	0.01	0.04
7	205	340.00	-0.14	32.56	-0.05	-0.18	7.73e-03	0.04
7	208	250.00	-8.36	-28.47	-0.06	2.26	-0.01	-0.03
7	208	295.00	-8.36	-28.47	-0.06	2.04	-0.01	-0.03
7	208	340.00	-5.65	-33.97	0.06	-0.25	-7.79e-03	-0.04
7	212	250.00	-8.23	-77.91	-0.01	10.99	1.49e-03	-0.02
7	212	295.00	-8.23	-77.91	-0.01	10.77	1.30e-03	-0.02
7	212	340.00	-3.43	-91.79	0.02	1.68	1.22e-03	-0.03
7	229	250.00	4.78	44.73	0.04	-5.02	7.49e-03	0.04
7	229	295.00	4.78	44.73	0.04	-5.24	7.29e-03	0.04
7	229	340.00	-0.18	52.85	-0.03	-0.55	4.90e-03	0.04
7	232	250.00	-9.50	-45.69	-0.04	4.68	-7.49e-03	-0.04
7	232	295.00	-9.50	-45.69	-0.04	4.47	-7.68e-03	-0.04
7	232	340.00	-5.61	-54.26	0.04	0.12	-4.96e-03	-0.04
7	233	250.00	4.66	35.70	0.06	-3.59	0.01	0.05
7	233	295.00	4.66	35.70	0.06	-3.81	0.01	0.05
7	233	340.00	0.18	42.22	-0.07	-0.29	8.29e-03	0.05
7	264	250.00	-2.64	-3.48	-3.53e-04	0.97	0.0	1.17e-03
7	264	295.00	-2.64	-3.48	-3.53e-04	-0.60	-1.59e-04	2.05e-03
7	264	340.00	-3.17	-4.30	6.02e-04	-0.17	-2.64e-05	1.22e-03
7	273	250.00	-1.74	-0.14	0.19	-0.09	0.0	0.08
7	273	295.00	-1.74	-0.14	0.19	-0.15	0.08	0.14
7	273	340.00	-2.21	-0.21	-0.14	-0.09	1.55e-03	0.08
7	276	250.00	-2.20	-0.37	0.19	-0.18	0.0	0.08
7	276	295.00	-2.20	-0.37	0.19	-0.35	0.08	0.14
7	276	340.00	-2.72	-0.56	-0.14	-0.20	1.53e-03	0.08
7	280	250.00	-2.74	-0.67	-0.06	-0.24	0.0	-0.02
7	280	295.00	-2.74	-0.67	-0.06	-0.54	-0.03	-0.04
7	280	340.00	-3.32	-0.99	0.04	-0.30	-5.10e-04	-0.02
7	298	250.00	-2.42	-0.51	-4.72e-04	-0.18	0.0	7.15e-04
7	298	295.00	-2.42	-0.51	-4.72e-04	-0.41	-2.12e-04	1.28e-03
7	298	340.00	-2.96	-0.75	7.04e-04	-0.23	-3.16e-05	8.04e-04
7	305	250.00	-2.39	-1.07	-4.04e-04	0.06	0.0	7.47e-04
7	305	295.00	-2.39	-1.07	-4.04e-04	-0.42	-1.82e-04	1.33e-03
7	305	340.00	-2.92	-1.41	6.25e-04	-0.20	-2.79e-05	8.19e-04
7	306	250.00	-1.98	-0.27	0.04	-0.10	0.0	0.02
7	306	295.00	-1.98	-0.27	0.04	-0.23	0.02	0.03
7	306	340.00	-2.46	-0.39	-0.03	-0.12	2.99e-04	0.02
7	307	250.00	-2.30	-0.45	0.04	-0.17	0.0	0.02
7	307	295.00	-2.30	-0.45	0.04	-0.37	0.02	0.03
7	307	340.00	-2.83	-0.66	-0.03	-0.21	2.84e-04	0.02
7	309	250.00	-2.03	-0.31	-1.93e-04	-0.11	0.0	3.49e-04
7	309	295.00	-2.03	-0.31	-1.93e-04	-0.24	-8.70e-05	6.20e-04
7	309	340.00	-2.53	-0.44	3.37e-04	-0.13	-1.48e-05	3.85e-04
7	310	250.00	-2.36	-0.48	-4.32e-04	-0.17	0.0	6.63e-04
7	310	295.00	-2.36	-0.48	-4.32e-04	-0.39	-1.94e-04	1.19e-03
7	310	340.00	-2.90	-0.70	6.52e-04	-0.21	-2.92e-05	7.44e-04

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-9.50	-91.79	-0.21	-5.24	-0.04	-0.06
			4.78	52.85	0.28	10.99	0.13	0.21

Macro	Tipo	Angolo 1-Z (gradi)
8	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
8	4	0.0	84.98	4.46	0.0	51.84	0.0	8.49e-04
8	4	50.00	84.98	4.46	0.0	54.07	0.0	1.47e-03
8	4	100.00	86.86	4.46	0.0	56.30	0.0	1.30e-03
8	4	150.00	88.73	4.46	0.0	58.53	0.0	1.28e-03
8	4	200.00	90.60	4.46	0.0	60.77	0.0	1.27e-03
8	4	250.00	92.47	4.46	0.0	63.00	0.0	1.24e-03

8	4	295.00	94.25	4.46	0.0	65.01	0.0	1.18e-03
8	4	340.00	84.77	2.94	0.0	56.86	0.0	7.17e-04
8	45	0.0	5.70	-11.66	0.0	66.37	0.0	1.70e-03
8	45	50.00	5.70	-11.66	0.0	60.54	0.0	2.95e-03
8	45	100.00	7.14	-11.66	0.0	54.71	0.0	2.60e-03
8	45	150.00	8.58	-11.66	0.0	48.88	0.0	2.57e-03
8	45	200.00	10.02	-11.66	0.0	43.05	0.0	2.56e-03
8	45	250.00	11.46	-11.66	0.0	37.22	0.0	2.54e-03
8	45	295.00	12.83	-11.66	0.0	31.98	0.0	2.46e-03
8	45	340.00	11.05	-7.37	0.0	26.25	0.0	1.53e-03
8	68	0.0	66.33	0.81	7.99	54.27	0.0	-1.52e-04
8	68	50.00	66.33	0.81	7.99	54.67	3.99	-6.22e-04
8	68	100.00	68.21	0.81	5.23	55.08	6.61	-2.78e-04
8	68	150.00	70.08	0.81	2.48	55.48	7.85	-1.70e-04
8	68	200.00	71.95	0.81	-0.28	55.88	7.71	-1.08e-04
8	68	250.00	73.82	0.81	-3.03	56.29	6.20	1.74e-04
8	68	295.00	75.60	0.81	-5.65	56.65	3.66	1.16e-03
8	68	340.00	68.01	0.67	-8.12	49.14	0.0	6.95e-03
8	113	0.0	50.51	147.23	0.13	-580.78	0.03	0.04
8	113	50.00	50.51	147.23	0.13	-580.55	0.03	0.04
8	113	100.00	51.69	147.17	0.11	-507.07	0.08	0.04
8	113	150.00	52.19	147.05	0.07	-433.95	0.12	0.04
8	113	200.00	53.33	146.87	-0.01	-360.74	0.14	0.04
8	113	250.00	54.71	146.62	-0.04	-287.65	0.10	0.04
8	113	295.00	56.07	146.33	-0.08	-217.92	0.04	0.04
8	113	340.00	56.39	87.44	-0.12	-167.73	0.01	0.03
8	116	0.0	19.87	-146.32	-0.13	650.59	-0.03	-0.04
8	116	50.00	19.87	-146.32	-0.13	650.82	-0.03	-0.04
8	116	100.00	21.58	-146.26	-0.11	577.79	-0.08	-0.04
8	116	150.00	23.95	-146.14	-0.07	505.13	-0.12	-0.04
8	116	200.00	25.69	-145.96	0.01	432.37	-0.14	-0.04
8	116	250.00	27.20	-145.71	0.04	359.74	-0.10	-0.04
8	116	295.00	28.57	-145.42	0.08	290.41	-0.04	-0.04
8	116	340.00	19.52	-86.86	0.12	230.90	-0.01	-0.03
8	129	0.0	45.33	85.78	0.38	-330.77	0.09	0.05
8	129	50.00	45.33	85.78	0.38	-330.54	0.09	0.05
8	129	100.00	46.68	85.75	0.31	-287.72	0.26	0.05
8	129	150.00	48.05	85.69	0.21	-244.95	0.38	0.05
8	129	200.00	49.31	85.60	-0.05	-202.28	0.44	0.05
8	129	250.00	50.72	85.47	-0.14	-159.65	0.41	0.05
8	129	295.00	52.08	85.32	-0.32	-119.02	0.30	0.04
8	129	340.00	50.55	51.29	-0.52	-91.53	0.11	0.03
8	145	0.0	52.41	165.44	0.15	-657.26	0.03	0.04
8	145	50.00	52.41	165.44	0.15	-657.03	0.03	0.04
8	145	100.00	53.55	165.38	0.12	-574.46	0.10	0.05
8	145	150.00	53.94	165.25	0.08	-492.30	0.14	0.05
8	145	200.00	55.05	165.04	-0.02	-410.02	0.16	0.04
8	145	250.00	56.42	164.76	-0.04	-327.89	0.11	0.04
8	145	295.00	57.78	164.43	-0.09	-249.53	0.05	0.04
8	145	340.00	58.68	98.26	-0.14	-192.52	0.02	0.04
8	148	0.0	17.97	-164.53	-0.15	727.07	-0.03	-0.04
8	148	50.00	17.97	-164.53	-0.15	727.30	-0.03	-0.04
8	148	100.00	19.71	-164.47	-0.12	645.18	-0.10	-0.05
8	148	150.00	22.20	-164.34	-0.08	563.47	-0.14	-0.04
8	148	200.00	23.97	-164.13	0.02	481.65	-0.16	-0.04
8	148	250.00	25.48	-163.85	0.04	399.97	-0.11	-0.04
8	148	295.00	26.86	-163.52	0.09	322.03	-0.05	-0.04
8	148	340.00	17.22	-97.68	0.14	255.70	-0.02	-0.04
8	161	0.0	46.64	96.69	0.42	-377.60	0.10	0.05
8	161	50.00	46.64	96.69	0.42	-377.37	0.10	0.06
8	161	100.00	47.98	96.65	0.34	-329.11	0.29	0.06
8	161	150.00	49.34	96.58	0.23	-280.90	0.43	0.06
8	161	200.00	50.58	96.48	-0.06	-232.80	0.49	0.06
8	161	250.00	51.99	96.34	-0.16	-184.75	0.46	0.05
8	161	295.00	53.35	96.17	-0.36	-138.95	0.33	0.04
8	161	340.00	52.18	57.82	-0.58	-107.35	0.13	0.04
8	177	0.0	52.19	163.78	0.15	-650.79	0.03	0.04
8	177	50.00	52.19	163.78	0.15	-650.56	0.03	0.04
8	177	100.00	53.34	163.71	0.12	-568.84	0.09	0.05
8	177	150.00	53.76	163.58	0.08	-487.49	0.14	0.05
8	177	200.00	54.93	163.38	-0.01	-406.00	0.16	0.04
8	177	250.00	56.31	163.11	-0.04	-324.65	0.11	0.04
8	177	295.00	57.67	162.78	-0.09	-247.13	0.05	0.04
8	177	340.00	58.50	97.29	-0.14	-190.65	0.02	0.04
8	180	0.0	18.19	-162.87	-0.15	720.60	-0.03	-0.04

8	180	50.00	18.19	-162.87	-0.15	720.83	-0.03	-0.04
8	180	100.00	19.92	-162.81	-0.12	639.56	-0.09	-0.04
8	180	150.00	22.38	-162.67	-0.08	558.66	-0.14	-0.04
8	180	200.00	24.10	-162.47	0.01	477.63	-0.16	-0.04
8	180	250.00	25.59	-162.20	0.04	396.73	-0.11	-0.04
8	180	295.00	26.97	-161.87	0.09	319.62	-0.05	-0.04
8	180	340.00	17.40	-96.72	0.14	253.83	-0.02	-0.04
8	193	0.0	46.86	97.66	0.42	-382.33	0.10	0.06
8	193	50.00	46.86	97.66	0.42	-382.10	0.10	0.06
8	193	100.00	48.20	97.62	0.34	-333.36	0.29	0.06
8	193	150.00	49.53	97.55	0.23	-284.67	0.42	0.06
8	193	200.00	50.80	97.45	-0.06	-236.06	0.49	0.06
8	193	250.00	52.22	97.31	-0.16	-187.51	0.46	0.06
8	193	295.00	53.58	97.14	-0.36	-141.28	0.33	0.04
8	193	340.00	52.44	58.42	-0.58	-109.26	0.13	0.04
8	209	0.0	55.14	191.71	0.18	-768.30	0.04	0.05
8	209	50.00	55.14	191.71	0.18	-768.08	0.04	0.05
8	209	100.00	56.23	191.63	0.15	-672.42	0.11	0.06
8	209	150.00	56.49	191.48	0.10	-577.18	0.17	0.05
8	209	200.00	57.61	191.25	-0.02	-481.80	0.19	0.05
8	209	250.00	58.99	190.93	-0.05	-386.56	0.13	0.05
8	209	295.00	60.35	190.55	-0.11	-295.83	0.06	0.05
8	209	340.00	62.07	113.89	-0.17	-228.88	0.02	0.04
8	212	0.0	15.24	-190.80	-0.18	838.11	-0.04	-0.05
8	212	50.00	15.24	-190.80	-0.18	838.34	-0.04	-0.05
8	212	100.00	17.03	-190.73	-0.15	743.14	-0.11	-0.05
8	212	150.00	19.65	-190.57	-0.10	648.36	-0.17	-0.05
8	212	200.00	21.41	-190.34	0.02	553.43	-0.19	-0.05
8	212	250.00	22.91	-190.02	0.05	458.65	-0.13	-0.05
8	212	295.00	24.29	-189.64	0.11	368.32	-0.06	-0.05
8	212	340.00	13.84	-113.32	0.17	292.06	-0.02	-0.04
8	225	0.0	49.11	115.80	0.50	-460.56	0.12	0.07
8	225	50.00	49.11	115.80	0.50	-460.33	0.12	0.07
8	225	100.00	50.43	115.76	0.41	-402.53	0.34	0.07
8	225	150.00	51.75	115.68	0.28	-344.79	0.50	0.07
8	225	200.00	52.99	115.56	-0.07	-287.15	0.59	0.07
8	225	250.00	54.40	115.39	-0.19	-229.58	0.55	0.07
8	225	295.00	55.76	115.19	-0.43	-174.75	0.40	0.05
8	225	340.00	55.22	69.29	-0.70	-135.87	0.15	0.04
8	244	0.0	55.75	3.00	0.0	36.03	0.0	5.98e-04
8	244	50.00	55.75	3.00	0.0	37.52	0.0	1.04e-03
8	244	100.00	57.19	3.00	0.0	39.02	0.0	9.14e-04
8	244	150.00	58.63	3.00	0.0	40.52	0.0	9.01e-04
8	244	200.00	60.07	3.00	0.0	42.02	0.0	8.93e-04
8	244	250.00	61.51	3.00	0.0	43.52	0.0	8.77e-04
8	244	295.00	62.88	3.00	0.0	44.87	0.0	8.35e-04
8	244	340.00	56.56	1.96	0.0	39.29	0.0	5.05e-04
8	261	0.0	9.41	-7.68	0.0	52.41	0.0	1.29e-03
8	261	50.00	9.41	-7.68	0.0	48.57	0.0	2.24e-03
8	261	100.00	10.85	-7.68	0.0	44.73	0.0	1.97e-03
8	261	150.00	12.29	-7.68	0.0	40.89	0.0	1.95e-03
8	261	200.00	13.73	-7.68	0.0	37.05	0.0	1.94e-03
8	261	250.00	15.17	-7.68	0.0	33.21	0.0	1.92e-03
8	261	295.00	16.54	-7.68	0.0	29.75	0.0	1.85e-03
8	261	340.00	14.56	-4.86	0.0	24.92	0.0	1.15e-03
8	276	0.0	43.32	0.56	5.32	37.65	0.0	-6.88e-05
8	276	50.00	43.32	0.56	5.32	37.93	2.66	-3.59e-04
8	276	100.00	44.76	0.56	3.49	38.21	4.41	-1.36e-04
8	276	150.00	46.20	0.56	1.65	38.49	5.23	-6.48e-05
8	276	200.00	47.64	0.56	-0.18	38.77	5.14	-2.36e-05
8	276	250.00	49.08	0.56	-2.02	39.04	4.13	1.64e-04
8	276	295.00	50.45	0.56	-3.76	39.30	2.44	8.22e-04
8	276	340.00	45.39	0.45	-5.42	34.15	0.0	4.66e-03
8	298	0.0	39.37	0.49	0.0	37.28	0.0	6.97e-04
8	298	50.00	39.37	0.49	0.0	37.53	0.0	1.21e-03
8	298	100.00	40.81	0.49	0.0	37.77	0.0	1.06e-03
8	298	150.00	42.25	0.49	0.0	38.02	0.0	1.05e-03
8	298	200.00	43.69	0.49	0.0	38.26	0.0	1.04e-03
8	298	250.00	45.13	0.49	0.0	38.51	0.0	1.03e-03
8	298	295.00	46.50	0.49	0.0	38.73	0.0	9.85e-04
8	298	340.00	41.69	0.32	0.0	33.71	0.0	6.03e-04
8	304	0.0	9.95	-1.35	0.0	27.00	0.0	5.79e-04
8	304	50.00	9.95	-1.35	0.0	26.33	0.0	1.00e-03
8	304	100.00	11.39	-1.35	0.0	25.66	0.0	8.84e-04
8	304	150.00	12.83	-1.35	0.0	24.99	0.0	8.73e-04

8	304	200.00	14.27	-1.35	0.0	24.31	0.0	8.67e-04
8	304	250.00	15.71	-1.35	0.0	23.64	0.0	8.56e-04
8	304	295.00	17.08	-1.35	0.0	23.03	0.0	8.21e-04
8	304	340.00	15.33	-0.89	0.0	20.07	0.0	5.05e-04
8	305	0.0	35.06	-1.13	0.0	41.26	0.0	8.32e-04
8	305	50.00	35.06	-1.13	0.0	40.69	0.0	1.44e-03
8	305	100.00	36.50	-1.13	0.0	40.13	0.0	1.27e-03
8	305	150.00	37.94	-1.13	0.0	39.56	0.0	1.26e-03
8	305	200.00	39.38	-1.13	0.0	39.00	0.0	1.25e-03
8	305	250.00	40.82	-1.13	0.0	38.43	0.0	1.23e-03
8	305	295.00	42.18	-1.13	0.0	37.93	0.0	1.18e-03
8	305	340.00	37.76	-0.71	0.0	32.80	0.0	7.28e-04
8	309	0.0	10.08	0.24	0.0	20.65	0.0	4.01e-04
8	309	50.00	10.08	0.24	0.0	20.77	0.0	6.95e-04
8	309	100.00	11.52	0.24	0.0	20.89	0.0	6.12e-04
8	309	150.00	12.96	0.24	0.0	21.01	0.0	6.04e-04
8	309	200.00	14.40	0.24	0.0	21.13	0.0	5.99e-04
8	309	250.00	15.84	0.24	0.0	21.25	0.0	5.90e-04
8	309	295.00	17.21	0.24	0.0	21.35	0.0	5.63e-04
8	309	340.00	15.53	0.10	0.0	18.86	0.0	3.43e-04
8	310	0.0	35.19	0.45	0.0	34.91	0.0	6.54e-04
8	310	50.00	35.19	0.45	0.0	35.13	0.0	1.13e-03
8	310	100.00	36.63	0.45	0.0	35.36	0.0	1.00e-03
8	310	150.00	38.07	0.45	0.0	35.59	0.0	9.87e-04
8	310	200.00	39.51	0.45	0.0	35.81	0.0	9.80e-04
8	310	250.00	40.95	0.45	0.0	36.04	0.0	9.66e-04
8	310	295.00	42.32	0.45	0.0	36.25	0.0	9.24e-04
8	310	340.00	37.95	0.29	0.0	31.59	0.0	5.66e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	5.70	-190.80	-8.12	-768.30	-0.19	-0.05
	94.25	191.71	7.99	838.34	7.85	0.07

Macro	Tipo	Angolo 1-Z (gradi)
9	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
9	44	0.0	-8.45	-1.03	0.0	2.17	0.0	2.11e-04
9	44	50.00	-8.45	-1.03	0.0	1.66	0.0	3.37e-04
9	44	100.00	-8.14	-1.03	0.0	1.14	0.0	2.93e-04
9	44	150.00	-7.83	-1.03	0.0	0.63	0.0	2.88e-04
9	44	200.00	-7.52	-1.03	0.0	0.11	0.0	2.88e-04
9	44	250.00	-7.20	-1.03	0.0	-0.40	0.0	2.90e-04
9	44	295.00	-6.91	-1.03	0.0	-0.87	0.0	2.88e-04
9	44	340.00	-6.63	-1.03	0.0	-1.33	0.0	2.10e-04
9	56	0.0	-5.76	-0.06	0.0	0.06	0.0	6.57e-04
9	56	50.00	-5.76	-0.06	0.0	0.03	0.0	1.05e-03
9	56	100.00	-5.52	-0.06	0.0	3.23e-03	0.0	9.11e-04
9	56	150.00	-5.28	-0.06	0.0	-0.03	0.0	8.96e-04
9	56	200.00	-5.04	-0.06	0.0	-0.06	0.0	8.95e-04
9	56	250.00	-4.80	-0.06	0.0	-0.09	0.0	9.00e-04
9	56	295.00	-4.58	-0.06	0.0	-0.11	0.0	8.94e-04
9	56	340.00	-4.36	-0.06	0.0	-0.14	0.0	6.52e-04
9	68	0.0	-8.33	-0.06	0.0	0.07	0.0	9.15e-04
9	68	50.00	-8.33	-0.06	0.0	0.04	0.0	1.46e-03
9	68	100.00	-8.02	-0.06	0.0	6.82e-03	0.0	1.27e-03
9	68	150.00	-7.70	-0.06	0.0	-0.02	0.0	1.25e-03
9	68	200.00	-7.39	-0.06	0.0	-0.05	0.0	1.25e-03
9	68	250.00	-7.08	-0.06	0.0	-0.08	0.0	1.25e-03
9	68	295.00	-6.78	-0.06	0.0	-0.11	0.0	1.24e-03
9	68	340.00	-6.50	-0.06	0.0	-0.14	0.0	9.08e-04
9	89	0.0	-10.41	-0.04	0.0	0.05	0.0	-2.20e-04
9	89	50.00	-10.41	-0.04	0.0	0.03	0.0	-3.50e-04
9	89	100.00	-10.10	-0.04	0.0	0.02	0.0	-3.05e-04
9	89	150.00	-9.79	-0.04	0.0	-2.64e-03	0.0	-3.00e-04
9	89	200.00	-9.47	-0.04	0.0	-0.02	0.0	-2.99e-04
9	89	250.00	-9.16	-0.04	0.0	-0.04	0.0	-3.01e-04
9	89	295.00	-8.87	-0.04	0.0	-0.06	0.0	-2.99e-04
9	89	340.00	-8.59	-0.04	0.0	-0.07	0.0	-2.18e-04
9	114	0.0	-8.74	10.49	-0.03	-18.69	-7.12e-03	9.19e-03
9	114	50.00	-8.74	10.49	-0.03	-18.71	-7.12e-03	9.21e-03

9	114	100.00	-8.51	10.49	-0.03	-13.54	-0.02	9.79e-03
9	114	150.00	-8.27	10.47	-0.02	-8.38	-0.03	9.51e-03
9	114	200.00	-8.03	10.45	7.99e-04	-3.23	-0.03	9.48e-03
9	114	250.00	-7.75	10.42	6.25e-03	1.94	-0.02	9.38e-03
9	114	295.00	-7.54	10.38	0.02	6.82	-0.02	9.60e-03
9	114	340.00	-7.33	10.33	0.04	11.42	-7.61e-03	8.75e-03
9	116	0.0	-6.55	-12.97	-0.01	23.07	-3.30e-03	-6.87e-03
9	116	50.00	-6.55	-12.97	-0.01	23.05	-3.30e-03	-6.73e-03
9	116	100.00	-6.31	-12.96	-0.01	16.66	-9.27e-03	-7.24e-03
9	116	150.00	-6.07	-12.95	-7.12e-03	10.28	-0.01	-7.05e-03
9	116	200.00	-5.83	-12.92	4.24e-03	3.91	-0.03	-7.04e-03
9	116	250.00	-5.61	-12.88	0.01	-2.48	-0.02	-6.99e-03
9	116	295.00	-5.38	-12.83	0.02	-8.51	-0.02	-7.17e-03
9	116	340.00	-5.15	-12.78	0.02	-14.20	-6.09e-03	-6.59e-03
9	138	0.0	-8.95	1.35	-0.07	-2.41	-0.02	5.61e-03
9	138	50.00	-8.95	1.35	-0.07	-2.43	-0.02	5.66e-03
9	138	100.00	-8.71	1.35	-0.05	-1.76	-0.05	5.98e-03
9	138	150.00	-8.48	1.35	-0.04	-1.09	-0.07	5.78e-03
9	138	200.00	-8.24	1.35	1.93e-03	-0.43	-0.08	5.73e-03
9	138	250.00	-9.43	1.34	0.02	0.51	-0.07	5.63e-03
9	138	295.00	-7.75	1.33	0.06	0.85	-0.05	5.72e-03
9	138	340.00	-7.51	1.33	0.10	1.45	-0.02	5.19e-03
9	139	0.0	-5.56	-1.43	0.07	2.51	0.02	-5.32e-03
9	139	50.00	-5.56	-1.43	0.07	2.49	0.02	-5.19e-03
9	139	100.00	-5.32	-1.43	0.05	1.78	0.05	-5.57e-03
9	139	150.00	-5.08	-1.43	0.04	1.07	0.07	-5.38e-03
9	139	200.00	-4.84	-1.43	-1.93e-03	0.36	0.08	-5.33e-03
9	139	250.00	-3.16	-1.42	-0.02	-0.61	0.07	-5.23e-03
9	139	295.00	-4.39	-1.41	-0.06	-0.99	0.05	-5.32e-03
9	139	340.00	-4.20	-1.40	-0.10	-1.62	0.02	-4.89e-03
9	146	0.0	-8.93	11.78	-0.03	-20.98	-8.01e-03	0.01
9	146	50.00	-8.93	11.78	-0.03	-21.00	-8.01e-03	0.01
9	146	100.00	-8.69	11.78	-0.03	-15.20	-0.02	0.01
9	146	150.00	-8.45	11.76	-0.02	-9.40	-0.03	0.01
9	146	200.00	-8.22	11.73	9.30e-04	-3.62	-0.03	0.01
9	146	250.00	-7.94	11.70	7.00e-03	2.19	-0.03	0.01
9	146	295.00	-7.72	11.65	0.02	7.66	-0.02	0.01
9	146	340.00	-7.51	11.60	0.05	12.83	-8.55e-03	9.80e-03
9	148	0.0	-6.47	-14.57	-0.01	25.93	-3.72e-03	-7.73e-03
9	148	50.00	-6.47	-14.57	-0.01	25.91	-3.72e-03	-7.59e-03
9	148	100.00	-6.23	-14.57	-0.01	18.73	-0.01	-8.16e-03
9	148	150.00	-5.99	-14.55	-8.03e-03	11.55	-0.02	-7.94e-03
9	148	200.00	-5.75	-14.52	4.78e-03	4.40	-0.03	-7.93e-03
9	148	250.00	-5.54	-14.47	0.01	-2.78	-0.03	-7.87e-03
9	148	295.00	-5.30	-14.42	0.02	-9.56	-0.02	-8.08e-03
9	148	340.00	-5.07	-14.36	0.02	-15.95	-6.88e-03	-7.42e-03
9	170	0.0	-9.18	1.51	-0.08	-2.69	-0.02	6.28e-03
9	170	50.00	-9.18	1.51	-0.08	-2.71	-0.02	6.32e-03
9	170	100.00	-8.94	1.51	-0.06	-1.96	-0.05	6.68e-03
9	170	150.00	-8.70	1.51	-0.04	-1.22	-0.08	6.46e-03
9	170	200.00	-8.46	1.50	2.17e-03	-0.47	-0.09	6.40e-03
9	170	250.00	-9.84	1.50	0.03	0.58	-0.08	6.29e-03
9	170	295.00	-7.97	1.49	0.06	0.96	-0.06	6.39e-03
9	170	340.00	-7.73	1.48	0.11	1.62	-0.02	5.80e-03
9	171	0.0	-5.34	-1.59	0.08	2.78	0.02	-5.98e-03
9	171	50.00	-5.34	-1.59	0.08	2.76	0.02	-5.85e-03
9	171	100.00	-5.10	-1.59	0.06	1.98	0.05	-6.27e-03
9	171	150.00	-4.86	-1.59	0.04	1.20	0.08	-6.06e-03
9	171	200.00	-4.62	-1.58	-2.17e-03	0.41	0.09	-6.00e-03
9	171	250.00	-2.76	-1.58	-0.03	-0.68	0.08	-5.89e-03
9	171	295.00	-4.17	-1.57	-0.06	-1.09	0.06	-5.99e-03
9	171	340.00	-3.98	-1.56	-0.11	-1.79	0.02	-5.51e-03
9	178	0.0	-8.92	11.55	-0.03	-20.57	-7.95e-03	0.01
9	178	50.00	-8.92	11.55	-0.03	-20.59	-7.95e-03	0.01
9	178	100.00	-8.68	11.54	-0.03	-14.90	-0.02	0.01
9	178	150.00	-8.44	11.53	-0.02	-9.22	-0.03	0.01
9	178	200.00	-8.20	11.50	1.12e-03	-3.55	-0.03	0.01
9	178	250.00	-7.93	11.47	6.75e-03	2.13	-0.03	0.01
9	178	295.00	-7.71	11.42	0.02	7.50	-0.02	0.01
9	178	340.00	-7.50	11.37	0.05	12.57	-8.50e-03	9.61e-03
9	180	0.0	-6.53	-14.42	-0.01	25.67	-3.69e-03	-7.59e-03
9	180	50.00	-6.53	-14.42	-0.01	25.65	-3.69e-03	-7.45e-03
9	180	100.00	-6.29	-14.42	-0.01	18.54	-0.01	-8.01e-03
9	180	150.00	-6.05	-14.40	-8.08e-03	11.44	-0.02	-7.79e-03
9	180	200.00	-5.81	-14.37	4.86e-03	4.36	-0.03	-7.79e-03

9	180	250.00	-5.59	-14.33	0.01	-2.74	-0.03	-7.73e-03
9	180	295.00	-5.36	-14.27	0.02	-9.45	-0.02	-7.94e-03
9	180	340.00	-5.12	-14.21	0.02	-15.79	-7.00e-03	-7.29e-03
9	202	0.0	-9.24	1.41	-0.07	-2.51	-0.02	6.10e-03
9	202	50.00	-9.24	1.41	-0.07	-2.53	-0.02	6.15e-03
9	202	100.00	-9.00	1.41	-0.06	-1.84	-0.05	6.50e-03
9	202	150.00	-8.76	1.41	-0.04	-1.14	-0.08	6.29e-03
9	202	200.00	-8.52	1.41	2.10e-03	-0.44	-0.09	6.23e-03
9	202	250.00	-9.87	1.40	0.03	0.56	-0.08	6.13e-03
9	202	295.00	-8.03	1.39	0.06	0.89	-0.06	6.23e-03
9	202	340.00	-7.79	1.38	0.11	1.51	-0.02	5.65e-03
9	203	0.0	-5.28	-1.49	0.07	2.61	0.02	-5.81e-03
9	203	50.00	-5.28	-1.49	0.07	2.59	0.02	-5.67e-03
9	203	100.00	-5.04	-1.49	0.06	1.86	0.05	-6.09e-03
9	203	150.00	-4.80	-1.49	0.04	1.12	0.08	-5.89e-03
9	203	200.00	-4.56	-1.49	-2.10e-03	0.38	0.09	-5.83e-03
9	203	250.00	-2.72	-1.48	-0.03	-0.66	0.08	-5.73e-03
9	203	295.00	-4.11	-1.47	-0.06	-1.03	0.06	-5.83e-03
9	203	340.00	-3.92	-1.46	-0.11	-1.69	0.02	-5.36e-03
9	210	0.0	-9.21	13.44	-0.04	-23.94	-9.47e-03	0.01
9	210	50.00	-9.21	13.44	-0.04	-23.96	-9.47e-03	0.01
9	210	100.00	-8.97	13.43	-0.03	-17.34	-0.03	0.01
9	210	150.00	-8.73	13.42	-0.02	-10.72	-0.04	0.01
9	210	200.00	-8.49	13.39	1.43e-03	-4.12	-0.03	0.01
9	210	250.00	-8.21	13.34	7.97e-03	2.49	-0.03	0.01
9	210	295.00	-8.00	13.29	0.02	8.74	-0.03	0.01
9	210	340.00	-7.79	13.23	0.05	14.64	-0.01	0.01
9	212	0.0	-6.44	-16.88	-0.02	30.05	-4.43e-03	-8.86e-03
9	212	50.00	-6.44	-16.88	-0.02	30.03	-4.43e-03	-8.71e-03
9	212	100.00	-6.20	-16.88	-0.01	21.71	-0.01	-9.35e-03
9	212	150.00	-5.96	-16.86	-9.80e-03	13.40	-0.02	-9.10e-03
9	212	200.00	-5.71	-16.82	5.81e-03	5.11	-0.03	-9.10e-03
9	212	250.00	-5.50	-16.77	0.01	-3.20	-0.03	-9.03e-03
9	212	295.00	-5.27	-16.71	0.03	-11.06	-0.02	-9.27e-03
9	212	340.00	-5.03	-16.64	0.03	-18.47	-8.47e-03	-8.51e-03
9	234	0.0	-9.61	1.61	-0.09	-2.86	-0.02	7.11e-03
9	234	50.00	-9.61	1.61	-0.09	-2.88	-0.02	7.14e-03
9	234	100.00	-9.37	1.61	-0.07	-2.09	-0.06	7.56e-03
9	234	150.00	-9.14	1.61	-0.05	-1.29	-0.09	7.32e-03
9	234	200.00	-8.90	1.60	2.49e-03	-0.50	-0.10	7.25e-03
9	234	250.00	-10.52	1.60	0.03	0.65	-0.10	7.13e-03
9	234	295.00	-8.40	1.59	0.08	1.03	-0.07	7.24e-03
9	234	340.00	-8.16	1.58	0.13	1.73	-0.03	6.58e-03
9	235	0.0	-4.90	-1.69	0.09	2.96	0.02	-6.81e-03
9	235	50.00	-4.90	-1.69	0.09	2.94	0.02	-6.67e-03
9	235	100.00	-4.66	-1.69	0.07	2.11	0.06	-7.15e-03
9	235	150.00	-4.42	-1.69	0.05	1.27	0.09	-6.91e-03
9	235	200.00	-4.18	-1.68	-2.49e-03	0.43	0.10	-6.85e-03
9	235	250.00	-2.07	-1.68	-0.03	-0.75	0.10	-6.73e-03
9	235	295.00	-3.74	-1.67	-0.08	-1.16	0.07	-6.84e-03
9	235	340.00	-3.54	-1.66	-0.13	-1.91	0.03	-6.29e-03
9	264	0.0	-6.78	-0.69	0.0	1.45	0.0	1.46e-04
9	264	50.00	-6.78	-0.69	0.0	1.10	0.0	2.33e-04
9	264	100.00	-6.54	-0.69	0.0	0.76	0.0	2.03e-04
9	264	150.00	-6.30	-0.69	0.0	0.42	0.0	1.99e-04
9	264	200.00	-6.06	-0.69	0.0	0.07	0.0	1.99e-04
9	264	250.00	-5.82	-0.69	0.0	-0.27	0.0	2.00e-04
9	264	295.00	-5.59	-0.69	0.0	-0.58	0.0	1.99e-04
9	264	340.00	-5.37	-0.69	0.0	-0.89	0.0	1.45e-04
9	268	0.0	-6.42	-0.05	0.0	0.06	0.0	4.71e-04
9	268	50.00	-6.42	-0.05	0.0	0.03	0.0	7.50e-04
9	268	100.00	-6.18	-0.05	0.0	6.14e-03	0.0	6.53e-04
9	268	150.00	-5.94	-0.05	0.0	-0.02	0.0	6.42e-04
9	268	200.00	-5.70	-0.05	0.0	-0.04	0.0	6.41e-04
9	268	250.00	-5.46	-0.05	0.0	-0.07	0.0	6.45e-04
9	268	295.00	-5.23	-0.05	0.0	-0.09	0.0	6.40e-04
9	268	340.00	-5.02	-0.05	0.0	-0.11	0.0	4.67e-04
9	276	0.0	-6.69	-0.04	0.0	0.05	0.0	6.15e-04
9	276	50.00	-6.69	-0.04	0.0	0.03	0.0	9.80e-04
9	276	100.00	-6.45	-0.04	0.0	4.74e-03	0.0	8.54e-04
9	276	150.00	-6.21	-0.04	0.0	-0.02	0.0	8.39e-04
9	276	200.00	-5.97	-0.04	0.0	-0.04	0.0	8.38e-04
9	276	250.00	-5.73	-0.04	0.0	-0.06	0.0	8.43e-04
9	276	295.00	-5.51	-0.04	0.0	-0.08	0.0	8.37e-04
9	276	340.00	-5.29	-0.04	0.0	-0.10	0.0	6.10e-04

9	285	0.0	-8.08	-0.03	0.0	0.04	0.0	-1.41e-04
9	285	50.00	-8.08	-0.03	0.0	0.02	0.0	-2.25e-04
9	285	100.00	-7.84	-0.03	0.0	0.01	0.0	-1.96e-04
9	285	150.00	-7.60	-0.03	0.0	-2.35e-03	0.0	-1.92e-04
9	285	200.00	-7.36	-0.03	0.0	-0.02	0.0	-1.92e-04
9	285	250.00	-7.12	-0.03	0.0	-0.03	0.0	-1.93e-04
9	285	295.00	-6.90	-0.03	0.0	-0.04	0.0	-1.92e-04
9	285	340.00	-6.68	-0.03	0.0	-0.05	0.0	-1.40e-04
9	298	0.0	-7.14	-0.04	0.0	0.05	0.0	1.59e-04
9	298	50.00	-7.14	-0.04	0.0	0.03	0.0	2.53e-04
9	298	100.00	-6.90	-0.04	0.0	9.08e-03	0.0	2.20e-04
9	298	150.00	-6.66	-0.04	0.0	-0.01	0.0	2.17e-04
9	298	200.00	-6.42	-0.04	0.0	-0.03	0.0	2.16e-04
9	298	250.00	-6.18	-0.04	0.0	-0.05	0.0	2.18e-04
9	298	295.00	-5.95	-0.04	0.0	-0.07	0.0	2.16e-04
9	298	340.00	-5.73	-0.04	0.0	-0.09	0.0	1.58e-04
9	305	0.0	-7.23	-0.17	0.0	0.33	0.0	1.43e-04
9	305	50.00	-7.23	-0.17	0.0	0.24	0.0	2.28e-04
9	305	100.00	-6.99	-0.17	0.0	0.16	0.0	1.98e-04
9	305	150.00	-6.75	-0.17	0.0	0.08	0.0	1.95e-04
9	305	200.00	-6.51	-0.17	0.0	-9.18e-03	0.0	1.95e-04
9	305	250.00	-6.27	-0.17	0.0	-0.09	0.0	1.96e-04
9	305	295.00	-6.04	-0.17	0.0	-0.17	0.0	1.94e-04
9	305	340.00	-5.83	-0.17	0.0	-0.25	0.0	1.42e-04
9	307	0.0	-7.22	-0.04	0.0	0.05	0.0	2.37e-04
9	307	50.00	-7.22	-0.04	0.0	0.03	0.0	3.77e-04
9	307	100.00	-6.98	-0.04	0.0	8.39e-03	0.0	3.28e-04
9	307	150.00	-6.74	-0.04	0.0	-0.01	0.0	3.23e-04
9	307	200.00	-6.50	-0.04	0.0	-0.03	0.0	3.23e-04
9	307	250.00	-6.26	-0.04	0.0	-0.05	0.0	3.24e-04
9	307	295.00	-6.03	-0.04	0.0	-0.07	0.0	3.22e-04
9	307	340.00	-5.81	-0.04	0.0	-0.09	0.0	2.35e-04
9	308	0.0	-8.00	-0.03	0.0	0.03	0.0	3.68e-05
9	308	50.00	-8.00	-0.03	0.0	0.02	0.0	5.87e-05
9	308	100.00	-7.76	-0.03	0.0	9.32e-03	0.0	5.11e-05
9	308	150.00	-7.52	-0.03	0.0	-3.38e-03	0.0	5.02e-05
9	308	200.00	-7.28	-0.03	0.0	-0.02	0.0	5.02e-05
9	308	250.00	-7.04	-0.03	0.0	-0.03	0.0	5.04e-05
9	308	295.00	-6.81	-0.03	0.0	-0.04	0.0	5.01e-05
9	308	340.00	-6.59	-0.03	0.0	-0.05	0.0	3.65e-05
9	309	0.0	-7.98	-0.03	0.0	0.03	0.0	8.13e-05
9	309	50.00	-7.98	-0.03	0.0	0.02	0.0	1.30e-04
9	309	100.00	-7.74	-0.03	0.0	8.98e-03	0.0	1.13e-04
9	309	150.00	-7.50	-0.03	0.0	-3.64e-03	0.0	1.11e-04
9	309	200.00	-7.26	-0.03	0.0	-0.02	0.0	1.11e-04
9	309	250.00	-7.02	-0.03	0.0	-0.03	0.0	1.11e-04
9	309	295.00	-6.79	-0.03	0.0	-0.04	0.0	1.11e-04
9	309	340.00	-6.57	-0.03	0.0	-0.05	0.0	8.07e-05
9	310	0.0	-7.26	-0.04	0.0	0.05	0.0	1.48e-04
9	310	50.00	-7.26	-0.04	0.0	0.03	0.0	2.35e-04
9	310	100.00	-7.02	-0.04	0.0	9.07e-03	0.0	2.05e-04
9	310	150.00	-6.78	-0.04	0.0	-0.01	0.0	2.02e-04
9	310	200.00	-6.54	-0.04	0.0	-0.03	0.0	2.01e-04
9	310	250.00	-6.30	-0.04	0.0	-0.05	0.0	2.02e-04
9	310	295.00	-6.07	-0.04	0.0	-0.07	0.0	2.01e-04
9	310	340.00	-5.85	-0.04	0.0	-0.09	0.0	1.47e-04

M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-10.52	-16.88	-0.13	-23.96	-0.10	-9.35e-03
			-2.07	13.44	0.13	30.05	0.10	0.01

Macro	Tipo	Angolo 1-Z (gradi)
10	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
10	28	0.0	-56.00	-5.83	-0.06	9.25	0.0	-0.01
10	28	50.00	-56.00	-5.83	-0.06	6.33	-0.03	-0.02
10	28	100.00	-55.30	-5.62	-0.05	3.13	-0.06	-9.85e-03
10	28	150.00	-54.16	-5.33	-0.03	0.52	-0.07	-3.60e-03
10	28	200.00	-52.82	-5.02	-0.01	-1.72	-0.08	3.32e-03
10	28	250.00	-51.48	-4.71	0.02	-3.80	-0.07	0.01

10	28	295.00	-50.48	-4.46	0.06	-5.84	-0.04	0.02
10	28	340.00	-37.81	-4.25	0.09	4.95	-4.38e-04	0.01
10	44	0.0	-54.65	-8.59	-0.06	15.67	0.0	-9.83e-03
10	44	50.00	-54.65	-8.59	-0.06	11.38	-0.03	-0.01
10	44	100.00	-53.31	-8.23	-0.04	7.53	-0.05	-7.95e-03
10	44	150.00	-51.68	-7.75	-0.02	4.23	-0.06	-2.26e-03
10	44	200.00	-49.92	-7.23	-6.87e-03	1.31	-0.07	3.86e-03
10	44	250.00	-48.22	-6.71	0.02	-1.40	-0.06	0.01
10	44	295.00	-46.86	-6.28	0.05	-3.88	-0.04	0.02
10	44	340.00	-35.30	-5.93	0.07	4.94	-3.25e-04	0.01
10	68	0.0	-36.54	-0.51	3.77	3.64	0.0	-0.22
10	68	50.00	-36.54	-0.51	3.77	3.39	1.88	-0.36
10	68	100.00	-37.10	-0.51	2.40	1.43	3.08	-0.22
10	68	150.00	-37.35	-0.51	1.11	-0.21	3.64	-0.08
10	68	200.00	-37.41	-0.50	-0.12	-1.65	3.58	0.06
10	68	250.00	-37.43	-0.51	-1.36	-3.05	2.90	0.19
10	68	295.00	-37.65	-0.51	-2.57	-4.57	1.74	0.28
10	68	340.00	-28.66	-0.53	-3.93	3.95	-0.02	0.24
10	69	0.0	-14.67	0.24	3.80	4.20	0.0	-0.22
10	69	50.00	-14.67	0.24	3.80	4.31	1.90	-0.35
10	69	100.00	-14.97	0.24	2.42	3.26	3.11	-0.21
10	69	150.00	-15.22	0.25	1.13	2.26	3.68	-0.08
10	69	200.00	-15.42	0.25	-0.12	1.32	3.62	0.06
10	69	250.00	-15.58	0.25	-1.37	0.40	2.93	0.19
10	69	295.00	-15.80	0.25	-2.61	-0.53	1.76	0.27
10	69	340.00	-12.57	0.24	-3.98	2.32	-0.02	0.23
10	116	0.0	-180.91	-78.45	-0.16	169.59	-0.02	-0.02
10	116	50.00	-180.91	-78.45	-0.16	169.20	-0.03	-0.02
10	116	100.00	-167.22	-78.26	-0.06	143.41	-0.07	-0.02
10	116	150.00	-152.84	-78.09	-0.05	118.49	-0.10	-0.01
10	116	200.00	-138.06	-77.91	-2.45e-04	94.09	-0.15	-0.02
10	116	250.00	-123.19	-77.73	0.03	69.92	-0.12	-2.94e-03
10	116	295.00	-109.17	-77.53	0.09	46.81	-0.08	5.86e-03
10	116	340.00	-91.71	-77.36	0.14	30.01	-0.02	5.02e-03
10	129	0.0	179.29	49.10	0.10	-38.97	-0.01	-0.04
10	129	50.00	179.29	49.10	0.10	-39.35	-0.03	-0.04
10	129	100.00	163.08	49.07	0.05	-32.42	-0.04	-0.02
10	129	150.00	146.78	49.03	0.12	-25.56	1.84e-03	-9.46e-03
10	129	200.00	130.40	48.98	0.06	-18.78	0.19	0.04
10	129	250.00	114.03	48.90	0.04	-12.02	0.17	0.05
10	129	295.00	98.72	48.81	-0.09	-5.75	0.14	0.07
10	129	340.00	92.69	48.72	-0.26	10.17	0.06	0.06
10	132	0.0	-243.51	-50.62	-0.15	39.89	0.01	0.03
10	132	50.00	-243.51	-50.62	-0.15	39.51	4.31e-04	0.02
10	132	100.00	-227.10	-50.60	-0.10	30.29	-0.01	9.59e-03
10	132	150.00	-209.94	-50.57	-0.15	21.84	-0.07	4.78e-03
10	132	200.00	-192.33	-50.52	-0.07	13.83	-0.26	-0.03
10	132	250.00	-174.64	-50.45	-0.02	5.94	-0.24	-0.04
10	132	295.00	-158.30	-50.36	0.14	-1.60	-0.18	-0.05
10	132	340.00	-137.62	-50.28	0.35	-3.88	-0.06	-0.05
10	135	0.0	129.96	11.28	0.03	57.16	-0.03	-0.05
10	135	50.00	129.96	11.28	0.03	56.78	-0.04	-0.05
10	135	100.00	118.83	11.36	0.03	50.13	-0.07	-0.03
10	135	150.00	107.74	11.42	0.12	43.63	-0.03	-0.01
10	135	200.00	96.64	11.46	0.08	37.20	0.16	0.04
10	135	250.00	85.58	11.48	0.06	30.85	0.15	0.06
10	135	295.00	75.38	11.48	-0.06	24.62	0.13	0.08
10	135	340.00	72.95	11.46	-0.25	27.76	0.06	0.07
10	148	0.0	-199.99	-88.12	-0.18	190.35	-0.02	-0.02
10	148	50.00	-199.99	-88.12	-0.18	189.97	-0.04	-0.03
10	148	100.00	-184.57	-87.91	-0.07	161.14	-0.08	-0.02
10	148	150.00	-168.42	-87.71	-0.06	133.25	-0.11	-0.01
10	148	200.00	-151.85	-87.52	3.19e-04	105.93	-0.16	-0.02
10	148	250.00	-135.17	-87.31	0.04	78.86	-0.13	-4.01e-03
10	148	295.00	-119.44	-87.09	0.10	52.98	-0.09	5.49e-03
10	148	340.00	-100.69	-86.90	0.16	33.28	-0.02	4.72e-03
10	161	0.0	207.14	55.52	0.11	-43.71	-0.02	-0.05
10	161	50.00	207.14	55.52	0.11	-44.09	-0.03	-0.04
10	161	100.00	188.79	55.48	0.06	-36.16	-0.04	-0.02
10	161	150.00	170.31	55.44	0.14	-28.35	5.09e-03	-0.01
10	161	200.00	151.71	55.38	0.07	-20.66	0.22	0.04
10	161	250.00	133.10	55.30	0.04	-13.00	0.20	0.06
10	161	295.00	115.71	55.20	-0.10	-5.88	0.16	0.07
10	161	340.00	107.95	55.09	-0.30	11.18	0.07	0.07
10	164	0.0	-271.36	-57.04	-0.17	44.63	0.02	0.04

10	164	50.00	-271.36	-57.04	-0.17	44.25	2.76e-03	0.03
10	164	100.00	-252.82	-57.02	-0.10	34.02	-0.01	0.01
10	164	150.00	-233.46	-56.98	-0.17	24.62	-0.07	5.67e-03
10	164	200.00	-213.64	-56.92	-0.08	15.70	-0.29	-0.04
10	164	250.00	-193.71	-56.84	-0.02	6.91	-0.27	-0.05
10	164	295.00	-175.30	-56.75	0.16	-1.48	-0.20	-0.06
10	164	340.00	-152.88	-56.65	0.39	-4.90	-0.07	-0.06
10	167	0.0	151.65	13.01	0.04	64.29	-0.03	-0.06
10	167	50.00	151.65	13.01	0.04	63.91	-0.05	-0.06
10	167	100.00	139.01	13.11	0.04	56.59	-0.08	-0.03
10	167	150.00	126.38	13.18	0.14	49.39	-0.04	-0.01
10	167	200.00	113.72	13.22	0.09	42.24	0.18	0.04
10	167	250.00	101.09	13.25	0.06	35.16	0.18	0.07
10	167	295.00	89.44	13.25	-0.07	28.24	0.15	0.09
10	167	340.00	85.72	13.22	-0.28	30.95	0.07	0.08
10	180	0.0	-201.96	-87.44	-0.17	187.11	-0.02	-0.02
10	180	50.00	-201.96	-87.44	-0.17	186.73	-0.03	-0.03
10	180	100.00	-186.48	-87.23	-0.07	158.33	-0.08	-0.02
10	180	150.00	-170.26	-87.03	-0.06	130.86	-0.10	-0.01
10	180	200.00	-153.60	-86.85	-1.20e-03	103.96	-0.16	-0.02
10	180	250.00	-136.84	-86.64	0.03	77.31	-0.13	-4.67e-03
10	180	295.00	-121.05	-86.42	0.10	51.85	-0.09	4.62e-03
10	180	340.00	-102.18	-86.23	0.16	32.54	-0.02	3.85e-03
10	193	0.0	214.55	56.37	0.11	-42.35	-0.02	-0.05
10	193	50.00	214.55	56.37	0.11	-42.73	-0.03	-0.05
10	193	100.00	195.73	56.34	0.05	-34.88	-0.05	-0.02
10	193	150.00	176.75	56.30	0.14	-27.18	-2.81e-03	-0.01
10	193	200.00	157.64	56.24	0.07	-19.61	0.21	0.04
10	193	250.00	138.52	56.15	0.05	-12.07	0.20	0.06
10	193	295.00	120.62	56.05	-0.10	-5.07	0.16	0.08
10	193	340.00	112.50	55.95	-0.30	11.94	0.07	0.07
10	196	0.0	-278.78	-57.90	-0.16	43.27	0.02	0.04
10	196	50.00	-278.78	-57.90	-0.16	42.89	5.87e-03	0.03
10	196	100.00	-259.75	-57.88	-0.10	32.75	-4.65e-03	0.01
10	196	150.00	-239.90	-57.83	-0.17	23.46	-0.07	5.60e-03
10	196	200.00	-219.57	-57.78	-0.09	14.66	-0.29	-0.04
10	196	250.00	-199.13	-57.70	-0.03	5.99	-0.26	-0.05
10	196	295.00	-180.21	-57.60	0.15	-2.29	-0.20	-0.06
10	196	340.00	-157.43	-57.51	0.39	-5.65	-0.07	-0.06
10	199	0.0	159.51	14.50	0.04	63.90	-0.04	-0.06
10	199	50.00	159.51	14.50	0.04	63.52	-0.05	-0.06
10	199	100.00	146.33	14.60	0.04	56.36	-0.09	-0.03
10	199	150.00	133.14	14.66	0.14	49.30	-0.04	-0.01
10	199	200.00	119.91	14.70	0.09	42.27	0.18	0.04
10	199	250.00	106.70	14.72	0.07	35.31	0.17	0.07
10	199	295.00	94.45	14.72	-0.07	28.51	0.15	0.09
10	199	340.00	90.37	14.70	-0.28	31.39	0.07	0.08
10	212	0.0	-233.57	-102.40	-0.20	218.06	-0.02	-0.03
10	212	50.00	-233.57	-102.40	-0.20	217.68	-0.04	-0.03
10	212	100.00	-215.31	-102.15	-0.07	184.72	-0.08	-0.02
10	212	150.00	-196.22	-101.93	-0.06	152.80	-0.11	-0.02
10	212	200.00	-176.65	-101.70	-1.10e-03	121.53	-0.18	-0.02
10	212	250.00	-156.97	-101.46	0.04	90.53	-0.15	-6.75e-03
10	212	295.00	-138.40	-101.21	0.11	60.93	-0.10	3.60e-03
10	212	340.00	-117.43	-100.99	0.18	37.25	-0.03	2.92e-03
10	225	0.0	263.99	67.23	0.13	-49.08	-0.02	-0.06
10	225	50.00	263.99	67.23	0.13	-49.47	-0.04	-0.05
10	225	100.00	241.43	67.20	0.07	-40.07	-0.05	-0.03
10	225	150.00	218.62	67.14	0.17	-30.91	9.24e-04	-0.01
10	225	200.00	195.62	67.07	0.09	-21.95	0.26	0.05
10	225	250.00	172.60	66.97	0.06	-13.05	0.24	0.07
10	225	295.00	151.04	66.85	-0.12	-4.74	0.19	0.09
10	225	340.00	139.90	66.73	-0.36	14.05	0.08	0.08
10	228	0.0	-328.22	-68.76	-0.18	50.00	0.02	0.05
10	228	50.00	-328.22	-68.76	-0.18	49.62	0.01	0.04
10	228	100.00	-305.46	-68.73	-0.11	37.93	1.80e-03	0.02
10	228	150.00	-281.78	-68.68	-0.20	27.19	-0.07	7.20e-03
10	228	200.00	-257.55	-68.61	-0.11	17.00	-0.34	-0.05
10	228	250.00	-233.21	-68.52	-0.04	6.97	-0.31	-0.06
10	228	295.00	-210.63	-68.40	0.18	-2.62	-0.23	-0.08
10	228	340.00	-184.83	-68.29	0.45	-7.77	-0.08	-0.07
10	231	0.0	199.60	18.43	0.05	74.64	-0.04	-0.07
10	231	50.00	199.60	18.43	0.05	74.26	-0.06	-0.07
10	231	100.00	183.63	18.54	0.05	66.18	-0.10	-0.04
10	231	150.00	167.58	18.61	0.17	58.15	-0.05	-0.02

10	231	200.00	151.44	18.66	0.11	50.11	0.22	0.05
10	231	250.00	135.32	18.68	0.08	42.12	0.22	0.08
10	231	295.00	120.37	18.68	-0.09	34.36	0.18	0.11
10	231	340.00	113.95	18.65	-0.34	36.70	0.08	0.10
10	256	0.0	-40.25	-3.93	-0.04	6.29	0.0	-7.71e-03
10	256	50.00	-40.25	-3.93	-0.04	4.33	-0.02	-0.01
10	256	100.00	-39.74	-3.78	-0.03	2.10	-0.04	-6.77e-03
10	256	150.00	-38.91	-3.60	-0.02	0.30	-0.05	-2.49e-03
10	256	200.00	-37.93	-3.39	-7.27e-03	-1.24	-0.05	2.26e-03
10	256	250.00	-36.94	-3.18	0.01	-2.67	-0.05	7.22e-03
10	256	295.00	-36.19	-3.01	0.04	-4.07	-0.03	0.01
10	256	340.00	-27.16	-2.88	0.06	3.64	-2.98e-04	9.15e-03
10	264	0.0	-39.35	-5.77	-0.04	10.57	0.0	-6.76e-03
10	264	50.00	-39.35	-5.77	-0.04	7.69	-0.02	-9.46e-03
10	264	100.00	-38.41	-5.53	-0.03	5.03	-0.03	-5.51e-03
10	264	150.00	-37.25	-5.21	-0.02	2.77	-0.04	-1.60e-03
10	264	200.00	-36.00	-4.86	-4.87e-03	0.78	-0.05	2.61e-03
10	264	250.00	-34.77	-4.52	0.01	-1.06	-0.04	6.93e-03
10	264	295.00	-33.77	-4.23	0.04	-2.75	-0.02	0.01
10	264	340.00	-25.49	-3.99	0.05	3.63	-2.22e-04	8.28e-03
10	273	0.0	-19.20	-0.04	2.52	3.06	0.0	-0.15
10	273	50.00	-19.20	-0.04	2.52	3.04	1.26	-0.24
10	273	100.00	-19.34	-0.04	1.61	2.01	2.07	-0.14
10	273	150.00	-19.35	-0.03	0.75	1.12	2.44	-0.05
10	273	200.00	-19.27	-0.03	-0.08	0.32	2.40	0.04
10	273	250.00	-19.16	-0.03	-0.91	-0.44	1.95	0.13
10	273	295.00	-19.11	-0.04	-1.73	-1.23	1.17	0.18
10	273	340.00	-14.92	-0.04	-2.64	2.54	-0.01	0.16
10	276	0.0	-27.28	-0.38	2.51	2.55	0.0	-0.15
10	276	50.00	-27.28	-0.38	2.51	2.36	1.25	-0.24
10	276	100.00	-27.61	-0.38	1.60	0.97	2.05	-0.14
10	276	150.00	-27.70	-0.38	0.74	-0.18	2.42	-0.05
10	276	200.00	-27.66	-0.38	-0.08	-1.19	2.38	0.04
10	276	250.00	-27.58	-0.38	-0.91	-2.16	1.93	0.13
10	276	295.00	-27.64	-0.38	-1.72	-3.22	1.16	0.19
10	276	340.00	-21.06	-0.39	-2.62	2.97	-0.01	0.16
10	305	0.0	-33.08	-1.75	-0.03	2.51	0.0	-5.66e-03
10	305	50.00	-33.08	-1.75	-0.03	1.64	-0.01	-8.16e-03
10	305	100.00	-32.80	-1.70	-0.02	0.21	-0.03	-5.23e-03
10	305	150.00	-32.21	-1.64	-0.02	-0.86	-0.04	-2.15e-03
10	305	200.00	-31.47	-1.57	-6.25e-03	-1.74	-0.04	1.34e-03
10	305	250.00	-30.69	-1.50	8.65e-03	-2.55	-0.03	5.04e-03
10	305	295.00	-30.08	-1.45	0.03	-3.39	-0.02	8.13e-03
10	305	340.00	-22.69	-1.41	0.04	3.21	-2.30e-04	6.60e-03
10	306	0.0	-24.99	-0.41	0.49	1.27	0.0	-0.03
10	306	50.00	-24.99	-0.41	0.49	1.07	0.25	-0.05
10	306	100.00	-24.84	-0.42	0.31	0.16	0.40	-0.03
10	306	150.00	-24.45	-0.42	0.14	-0.51	0.47	-0.01
10	306	200.00	-23.92	-0.42	-0.02	-1.04	0.46	8.71e-03
10	306	250.00	-23.35	-0.42	-0.18	-1.53	0.37	0.03
10	306	295.00	-22.87	-0.42	-0.33	-2.03	0.22	0.04
10	306	340.00	-17.54	-0.42	-0.51	2.78	-2.60e-03	0.03
10	307	0.0	-30.67	-0.67	0.48	0.91	0.0	-0.03
10	307	50.00	-30.67	-0.67	0.48	0.57	0.24	-0.05
10	307	100.00	-30.64	-0.67	0.30	-0.60	0.39	-0.03
10	307	150.00	-30.30	-0.67	0.14	-1.45	0.46	-0.01
10	307	200.00	-29.80	-0.67	-0.02	-2.13	0.45	9.17e-03
10	307	250.00	-29.26	-0.67	-0.17	-2.77	0.36	0.03
10	307	295.00	-28.85	-0.68	-0.32	-3.48	0.22	0.04
10	307	340.00	-21.81	-0.69	-0.49	3.08	-2.72e-03	0.04
10	309	0.0	-26.44	-0.51	-0.02	0.83	0.0	-3.03e-03
10	309	50.00	-26.44	-0.51	-0.02	0.57	-7.60e-03	-4.43e-03
10	309	100.00	-26.21	-0.51	-0.01	-0.31	-0.01	-2.95e-03
10	309	150.00	-25.72	-0.51	-9.44e-03	-0.92	-0.02	-1.32e-03
10	309	200.00	-25.09	-0.51	-3.85e-03	-1.39	-0.02	5.93e-04
10	309	250.00	-24.40	-0.51	4.75e-03	-1.80	-0.02	2.65e-03
10	309	295.00	-23.81	-0.52	0.02	-2.23	-0.01	4.35e-03
10	309	340.00	-18.20	-0.52	0.02	2.85	-1.13e-04	3.49e-03
10	310	0.0	-32.11	-0.76	-0.03	0.46	0.0	-5.51e-03
10	310	50.00	-32.11	-0.76	-0.03	0.08	-0.01	-8.02e-03
10	310	100.00	-32.01	-0.77	-0.02	-1.07	-0.03	-5.28e-03
10	310	150.00	-31.58	-0.77	-0.02	-1.86	-0.03	-2.34e-03
10	310	200.00	-30.97	-0.77	-6.73e-03	-2.48	-0.04	1.04e-03
10	310	250.00	-30.31	-0.77	8.07e-03	-3.04	-0.03	4.68e-03
10	310	295.00	-29.79	-0.77	0.03	-3.68	-0.02	7.74e-03

10	310	340.00	-22.47	-0.78	0.04	3.14	-2.36e-04	6.33e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-328.22	-102.40	-3.98	-49.47	-0.34	-0.36
	263.99	67.23	3.80	218.06	3.68	0.28

Macro	Tipo	Angolo 1-Z (gradi)
11	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
11	45	0.0	-50.60	-0.31	-3.84	-14.51	0.0	0.22
11	45	50.00	-50.60	-0.31	-3.84	-14.36	-1.92	0.34
11	45	100.00	-50.53	-0.30	-2.43	-13.41	-3.14	0.21
11	45	150.00	-50.51	-0.29	-1.13	-12.43	-3.70	0.08
11	45	200.00	-50.46	-0.28	0.12	-11.47	-3.64	-0.06
11	45	250.00	-50.36	-0.28	1.38	-10.57	-2.95	-0.18
11	45	295.00	-50.14	-0.27	2.64	-9.86	-1.76	-0.26
11	45	340.00	-48.83	-0.26	3.91	-10.33	0.0	-0.23
11	52	0.0	-177.51	-4.23	-0.01	-37.38	0.0	-1.57e-03
11	52	50.00	-177.51	-4.23	-0.01	-35.26	-5.02e-03	-2.46e-03
11	52	100.00	-174.92	-3.98	-6.42e-03	-34.85	-8.23e-03	-1.41e-03
11	52	150.00	-172.76	-3.67	-5.35e-03	-34.13	-0.01	-5.72e-04
11	52	200.00	-170.85	-3.34	-4.64e-03	-33.32	-0.01	4.20e-04
11	52	250.00	-168.99	-3.00	-2.49e-03	-32.63	-0.01	1.62e-03
11	52	295.00	-166.99	-2.70	4.77e-03	-32.43	-0.01	2.89e-03
11	52	340.00	-162.02	-2.49	0.03	-35.46	0.0	3.86e-03
11	70	0.0	-75.06	-8.48	6.29e-03	-27.85	0.0	5.18e-04
11	70	50.00	-75.06	-8.48	6.29e-03	-23.61	3.15e-03	7.14e-04
11	70	100.00	-73.04	-8.08	3.94e-04	-20.81	3.34e-03	-5.05e-06
11	70	150.00	-71.09	-7.59	-2.67e-03	-18.18	2.01e-03	-4.00e-04
11	70	200.00	-69.21	-7.06	-3.91e-03	-15.74	5.40e-05	-5.52e-04
11	70	250.00	-67.37	-6.53	-3.79e-03	-13.52	-1.84e-03	-4.83e-04
11	70	295.00	-65.56	-6.08	-1.75e-03	-11.85	-2.63e-03	-2.28e-04
11	70	340.00	-62.71	-5.78	5.84e-03	-11.43	0.0	3.84e-04
11	113	0.0	-300.91	-43.14	0.11	-34.21	0.04	-0.05
11	113	50.00	-300.91	-43.14	0.11	-34.46	0.04	-0.04
11	113	100.00	-282.51	-43.24	0.19	-30.58	-0.01	-0.02
11	113	150.00	-263.78	-43.40	0.15	-26.57	0.19	-2.92e-03
11	113	200.00	-244.77	-43.52	0.07	-22.45	0.22	0.03
11	113	250.00	-225.68	-43.54	0.03	-18.22	0.21	0.05
11	113	295.00	-208.47	-43.48	-0.12	-14.89	0.18	0.06
11	113	340.00	-188.27	-43.36	-0.32	-11.94	0.07	0.06
11	116	0.0	108.73	44.12	-0.13	9.22	-0.04	0.05
11	116	50.00	108.73	44.12	-0.13	8.98	-0.04	0.04
11	116	100.00	93.45	44.23	-0.20	3.09	-1.97e-03	0.02
11	116	150.00	77.17	44.41	-0.15	-2.25	-0.21	2.61e-03
11	116	200.00	60.27	44.54	-0.07	-7.34	-0.24	-0.03
11	116	250.00	43.19	44.59	-0.03	-12.46	-0.23	-0.05
11	116	295.00	28.12	44.57	0.13	-16.86	-0.20	-0.06
11	116	340.00	13.52	44.49	0.35	-24.58	-0.07	-0.05
11	122	0.0	-163.76	19.90	0.03	94.14	-0.03	-0.07
11	122	50.00	-163.76	19.90	0.03	93.90	-0.03	-0.06
11	122	100.00	-158.19	19.28	0.03	79.23	-0.05	-0.05
11	122	150.00	-152.47	18.51	0.11	65.24	-0.02	-0.02
11	122	200.00	-146.53	19.34	0.07	51.72	0.15	-6.40e-04
11	122	250.00	-140.63	20.47	0.05	38.29	0.14	0.02
11	122	295.00	-135.83	20.51	-0.07	24.77	0.12	0.03
11	122	340.00	-129.77	19.92	-0.20	9.64	0.05	0.03
11	132	0.0	92.41	81.79	-0.10	154.62	-0.02	-0.01
11	132	50.00	92.41	81.79	-0.10	154.37	-0.03	-0.01
11	132	100.00	77.57	81.63	-0.10	129.71	-0.03	-0.02
11	132	150.00	61.90	81.53	-0.05	105.92	-0.10	-0.02
11	132	200.00	45.73	81.43	1.65e-04	82.62	-0.10	-0.03
11	132	250.00	29.43	81.30	0.01	59.50	-0.10	-0.03
11	132	295.00	14.17	81.16	0.06	37.43	-0.08	-0.03
11	132	340.00	1.22	81.04	0.14	14.66	-0.03	-0.02
11	145	0.0	-326.96	-48.93	0.12	-37.79	0.04	-0.05
11	145	50.00	-326.96	-48.93	0.12	-38.04	0.04	-0.05
11	145	100.00	-306.41	-49.04	0.21	-33.44	-0.01	-0.03
11	145	150.00	-285.44	-49.21	0.17	-28.73	0.22	-3.15e-03
11	145	200.00	-264.15	-49.34	0.07	-23.92	0.25	0.03

11	145	250.00	-242.76	-49.37	0.03	-18.99	0.24	0.06
11	145	295.00	-223.50	-49.30	-0.14	-15.07	0.21	0.07
11	145	340.00	-201.09	-49.17	-0.36	-11.36	0.08	0.07
11	148	0.0	134.77	49.91	-0.14	12.80	-0.04	0.05
11	148	50.00	134.77	49.91	-0.14	12.56	-0.05	0.05
11	148	100.00	117.35	50.02	-0.22	5.94	-1.12e-03	0.03
11	148	150.00	98.84	50.22	-0.17	-0.09	-0.24	2.84e-03
11	148	200.00	79.65	50.36	-0.08	-5.87	-0.27	-0.03
11	148	250.00	60.27	50.42	-0.03	-11.68	-0.26	-0.05
11	148	295.00	43.14	50.39	0.14	-16.67	-0.22	-0.07
11	148	340.00	26.34	50.30	0.39	-25.16	-0.08	-0.06
11	154	0.0	-171.77	22.50	0.04	107.82	-0.03	-0.08
11	154	50.00	-171.77	22.50	0.04	107.57	-0.04	-0.07
11	154	100.00	-165.73	21.80	0.03	91.15	-0.06	-0.05
11	154	150.00	-159.49	20.93	0.12	75.45	-0.02	-0.03
11	154	200.00	-152.98	21.88	0.08	60.25	0.16	-8.31e-04
11	154	250.00	-146.50	23.14	0.05	45.15	0.15	0.02
11	154	295.00	-141.28	23.19	-0.08	29.95	0.14	0.03
11	154	340.00	-134.84	22.52	-0.23	13.19	0.05	0.03
11	164	0.0	117.23	92.60	-0.11	177.02	-0.03	-0.01
11	164	50.00	117.23	92.60	-0.11	176.78	-0.03	-0.01
11	164	100.00	100.24	92.43	-0.12	148.96	-0.04	-0.02
11	164	150.00	82.33	92.31	-0.05	122.06	-0.11	-0.02
11	164	200.00	63.90	92.19	3.37e-04	95.71	-0.12	-0.03
11	164	250.00	45.32	92.05	0.01	69.56	-0.11	-0.04
11	164	295.00	27.92	91.88	0.07	44.60	-0.09	-0.03
11	164	340.00	12.88	91.75	0.16	19.10	-0.03	-0.02
11	177	0.0	-328.42	-50.64	0.11	-42.85	0.04	-0.05
11	177	50.00	-328.42	-50.64	0.11	-43.09	0.04	-0.05
11	177	100.00	-307.72	-50.73	0.21	-37.83	-0.01	-0.03
11	177	150.00	-286.60	-50.88	0.16	-32.46	0.21	-2.38e-03
11	177	200.00	-265.17	-50.99	0.07	-27.01	0.24	0.03
11	177	250.00	-243.63	-51.01	0.03	-21.45	0.23	0.06
11	177	295.00	-224.21	-50.93	-0.13	-16.93	0.20	0.07
11	177	340.00	-201.73	-50.80	-0.34	-12.68	0.08	0.06
11	180	0.0	136.23	51.62	-0.13	17.86	-0.04	0.05
11	180	50.00	136.23	51.62	-0.13	17.61	-0.05	0.04
11	180	100.00	118.66	51.72	-0.21	10.33	9.87e-04	0.02
11	180	150.00	100.00	51.89	-0.16	3.64	-0.23	2.07e-03
11	180	200.00	80.67	52.01	-0.08	-2.78	-0.26	-0.03
11	180	250.00	61.14	52.06	-0.04	-9.22	-0.25	-0.05
11	180	295.00	43.86	52.02	0.14	-14.82	-0.21	-0.06
11	180	340.00	26.98	51.93	0.37	-23.84	-0.08	-0.06
11	186	0.0	-167.85	23.46	0.03	108.90	-0.03	-0.07
11	186	50.00	-167.85	23.46	0.03	108.65	-0.04	-0.07
11	186	100.00	-162.11	22.78	0.03	92.08	-0.06	-0.05
11	186	150.00	-156.20	21.94	0.12	76.21	-0.02	-0.03
11	186	200.00	-150.02	22.89	0.08	60.83	0.16	-1.13e-03
11	186	250.00	-143.88	24.15	0.05	45.55	0.15	0.02
11	186	295.00	-138.91	24.19	-0.07	30.21	0.13	0.03
11	186	340.00	-132.77	23.52	-0.22	13.27	0.05	0.03
11	196	0.0	123.86	96.09	-0.11	185.22	-0.03	-0.01
11	196	50.00	123.86	96.09	-0.11	184.97	-0.03	-0.01
11	196	100.00	106.28	95.90	-0.11	156.04	-0.04	-0.02
11	196	150.00	87.77	95.77	-0.05	128.04	-0.11	-0.02
11	196	200.00	68.73	95.64	1.12e-04	100.59	-0.12	-0.03
11	196	250.00	49.53	95.49	0.01	73.34	-0.11	-0.04
11	196	295.00	31.59	95.31	0.07	47.37	-0.09	-0.03
11	196	340.00	16.00	95.17	0.16	20.86	-0.03	-0.02
11	209	0.0	-370.81	-60.95	0.14	-51.80	0.05	-0.06
11	209	50.00	-370.81	-60.95	0.14	-52.04	0.05	-0.05
11	209	100.00	-346.58	-61.04	0.24	-45.19	-0.02	-0.03
11	209	150.00	-321.82	-61.21	0.19	-38.30	0.25	-2.48e-03
11	209	200.00	-296.64	-61.33	0.09	-31.34	0.28	0.04
11	209	250.00	-271.35	-61.34	0.04	-24.26	0.27	0.07
11	209	295.00	-248.56	-61.25	-0.15	-18.40	0.23	0.08
11	209	340.00	-222.52	-61.11	-0.40	-12.59	0.09	0.07
11	212	0.0	178.62	61.92	-0.16	26.81	-0.05	0.06
11	212	50.00	178.62	61.92	-0.16	26.56	-0.06	0.05
11	212	100.00	157.52	62.03	-0.25	17.70	1.53e-03	0.03
11	212	150.00	135.21	62.21	-0.19	9.48	-0.26	2.18e-03
11	212	200.00	112.15	62.35	-0.09	1.55	-0.30	-0.04
11	212	250.00	88.86	62.40	-0.04	-6.41	-0.29	-0.06
11	212	295.00	68.20	62.34	0.16	-13.35	-0.25	-0.08
11	212	340.00	47.77	62.23	0.43	-23.93	-0.09	-0.07

11	218	0.0	-177.31	28.26	0.04	131.06	-0.04	-0.09
11	218	50.00	-177.31	28.26	0.04	130.82	-0.04	-0.08
11	218	100.00	-171.07	27.48	0.03	111.38	-0.07	-0.06
11	218	150.00	-164.59	26.50	0.13	92.71	-0.03	-0.03
11	218	200.00	-157.79	27.63	0.09	74.59	0.18	-1.66e-03
11	218	250.00	-151.02	29.10	0.06	56.56	0.17	0.02
11	218	295.00	-145.60	29.14	-0.09	38.51	0.15	0.04
11	218	340.00	-139.12	28.35	-0.25	18.89	0.06	0.04
11	228	0.0	167.91	115.69	-0.12	226.41	-0.03	-0.02
11	228	50.00	167.91	115.69	-0.12	226.16	-0.04	-0.02
11	228	100.00	146.48	115.45	-0.13	191.43	-0.04	-0.02
11	228	150.00	124.02	115.28	-0.06	157.75	-0.13	-0.03
11	228	200.00	100.94	115.12	6.98e-04	124.70	-0.13	-0.04
11	228	250.00	77.70	114.93	0.02	91.89	-0.12	-0.04
11	228	295.00	55.95	114.72	0.08	60.63	-0.11	-0.04
11	228	340.00	36.68	114.55	0.18	29.11	-0.04	-0.03
11	261	0.0	-58.19	-0.11	-2.56	-12.34	0.0	0.14
11	261	50.00	-58.19	-0.11	-2.56	-12.28	-1.28	0.23
11	261	100.00	-57.65	-0.11	-1.62	-11.93	-2.09	0.14
11	261	150.00	-57.23	-0.10	-0.75	-11.44	-2.47	0.05
11	261	200.00	-56.86	-0.09	0.08	-10.92	-2.43	-0.04
11	261	250.00	-56.46	-0.08	0.92	-10.43	-1.97	-0.12
11	261	295.00	-55.98	-0.07	1.76	-10.08	-1.18	-0.18
11	261	340.00	-54.32	-0.06	2.61	-11.00	0.0	-0.15
11	268	0.0	-124.25	-2.81	-7.25e-03	-25.33	0.0	-1.11e-03
11	268	50.00	-124.25	-2.81	-7.25e-03	-23.92	-3.63e-03	-1.74e-03
11	268	100.00	-122.34	-2.64	-4.44e-03	-23.72	-5.85e-03	-9.71e-04
11	268	150.00	-120.76	-2.44	-3.61e-03	-23.29	-7.65e-03	-3.78e-04
11	268	200.00	-119.35	-2.22	-3.13e-03	-22.78	-9.22e-03	3.15e-04
11	268	250.00	-117.98	-1.99	-1.70e-03	-22.34	-0.01	1.15e-03
11	268	295.00	-116.52	-1.79	3.26e-03	-22.24	-8.60e-03	2.03e-03
11	268	340.00	-112.97	-1.65	0.02	-24.41	0.0	2.71e-03
11	274	0.0	-74.49	-5.56	1.78e-03	-21.23	0.0	3.78e-05
11	274	50.00	-74.49	-5.56	1.78e-03	-18.45	8.89e-04	9.13e-06
11	274	100.00	-72.65	-5.29	-6.82e-04	-16.86	5.48e-04	-2.04e-04
11	274	150.00	-70.96	-4.96	-2.23e-03	-15.27	-5.66e-04	-2.94e-04
11	274	200.00	-69.36	-4.61	-2.90e-03	-13.77	-2.02e-03	-2.31e-04
11	274	250.00	-67.80	-4.25	-2.64e-03	-12.40	-3.34e-03	-1.15e-05
11	274	295.00	-66.26	-3.94	-4.67e-04	-11.40	-3.55e-03	3.31e-04
11	274	340.00	-63.58	-3.74	7.88e-03	-11.73	0.0	8.67e-04
11	298	0.0	-101.27	0.53	-0.01	-13.48	0.0	-1.34e-03
11	298	50.00	-101.27	0.53	-0.01	-13.74	-5.11e-03	-2.05e-03
11	298	100.00	-99.68	0.54	-4.43e-03	-14.80	-7.33e-03	-9.33e-04
11	298	150.00	-98.44	0.55	-2.30e-03	-15.49	-8.48e-03	-1.71e-04
11	298	200.00	-97.39	0.56	-1.45e-03	-16.00	-9.20e-03	5.74e-04
11	298	250.00	-96.38	0.57	-3.24e-04	-16.47	-9.36e-03	1.36e-03
11	298	295.00	-95.30	0.60	3.58e-03	-17.05	-7.75e-03	2.14e-03
11	298	340.00	-92.39	0.61	0.02	-19.56	0.0	2.63e-03
11	304	0.0	-63.69	0.16	-0.52	-7.74	0.0	0.03
11	304	50.00	-63.69	0.16	-0.52	-7.82	-0.26	0.04
11	304	100.00	-62.43	0.16	-0.33	-8.34	-0.42	0.03
11	304	150.00	-61.41	0.16	-0.15	-8.62	-0.50	0.01
11	304	200.00	-60.51	0.17	0.02	-8.78	-0.49	-7.72e-03
11	304	250.00	-59.65	0.18	0.18	-8.90	-0.40	-0.02
11	304	295.00	-58.76	0.19	0.35	-9.08	-0.24	-0.03
11	304	340.00	-56.68	0.20	0.53	-10.56	0.0	-0.03
11	306	0.0	-66.04	-0.93	-4.61e-03	-9.46	0.0	-6.10e-04
11	306	50.00	-66.04	-0.93	-4.61e-03	-9.00	-2.31e-03	-9.33e-04
11	306	100.00	-64.53	-0.87	-1.96e-03	-9.26	-3.29e-03	-4.26e-04
11	306	150.00	-63.26	-0.80	-1.26e-03	-9.32	-3.91e-03	-9.58e-05
11	306	200.00	-62.12	-0.73	-1.12e-03	-9.28	-4.48e-03	2.43e-04
11	306	250.00	-61.02	-0.65	-7.93e-04	-9.23	-4.87e-03	6.27e-04
11	306	295.00	-59.93	-0.58	1.17e-03	-9.28	-4.34e-03	1.04e-03
11	306	340.00	-57.66	-0.53	9.65e-03	-10.62	0.0	1.42e-03
11	309	0.0	-65.06	0.22	-6.39e-03	-6.59	0.0	-7.97e-04
11	309	50.00	-65.06	0.22	-6.39e-03	-6.71	-3.19e-03	-1.21e-03
11	309	100.00	-63.63	0.22	-2.37e-03	-7.44	-4.38e-03	-5.02e-04
11	309	150.00	-62.46	0.23	-1.07e-03	-7.91	-4.91e-03	-5.23e-05
11	309	200.00	-61.42	0.23	-7.05e-04	-8.24	-5.27e-03	3.70e-04
11	309	250.00	-60.44	0.24	-3.22e-04	-8.52	-5.43e-03	8.10e-04
11	309	295.00	-59.46	0.26	1.67e-03	-8.83	-4.67e-03	1.25e-03
11	309	340.00	-57.26	0.26	0.01	-10.45	0.0	1.60e-03
11	310	0.0	-96.09	0.49	-9.68e-03	-12.49	0.0	-1.26e-03
11	310	50.00	-96.09	0.49	-9.68e-03	-12.74	-4.84e-03	-1.93e-03
11	310	100.00	-94.53	0.49	-4.13e-03	-13.75	-6.91e-03	-8.71e-04

11	310	150.00	-93.30	0.50	-2.12e-03	-14.41	-7.97e-03	-1.54e-04
11	310	200.00	-92.25	0.51	-1.34e-03	-14.89	-8.64e-03	5.45e-04
11	310	250.00	-91.25	0.53	-3.24e-04	-15.34	-8.80e-03	1.28e-03
11	310	295.00	-90.18	0.55	3.31e-03	-15.87	-7.31e-03	2.01e-03
11	310	340.00	-87.37	0.56	0.02	-18.26	0.0	2.49e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-370.81	-61.34	-3.84	-52.04	-3.70	-0.26
	178.62	115.69	3.91	226.41	0.28	0.34

Macro	Tipo	Angolo 1-Z (gradi)
12	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
12	44	0.0	-139.84	-0.37	0.0	-0.96	0.0	4.02e-04
12	44	50.00	-139.84	-0.37	0.0	-0.78	0.0	6.40e-04
12	44	100.00	-139.53	-0.37	0.0	-0.59	0.0	5.57e-04
12	44	150.00	-139.22	-0.37	0.0	-0.41	0.0	5.48e-04
12	44	200.00	-138.91	-0.37	0.0	-0.22	0.0	5.47e-04
12	44	250.00	-138.59	-0.37	0.0	-0.04	0.0	5.50e-04
12	44	295.00	-138.30	-0.37	0.0	0.13	0.0	5.46e-04
12	44	340.00	-138.02	-0.37	0.0	0.30	0.0	3.98e-04
12	68	0.0	-139.76	-1.34	0.0	-3.08	0.0	1.42e-04
12	68	50.00	-139.76	-1.34	0.0	-2.41	0.0	2.26e-04
12	68	100.00	-139.44	-1.34	0.0	-1.74	0.0	1.97e-04
12	68	150.00	-139.13	-1.34	0.0	-1.07	0.0	1.93e-04
12	68	200.00	-138.82	-1.34	0.0	-0.40	0.0	1.93e-04
12	68	250.00	-138.51	-1.34	0.0	0.27	0.0	1.94e-04
12	68	295.00	-138.21	-1.34	0.0	0.87	0.0	1.93e-04
12	68	340.00	-137.93	-1.34	0.0	1.48	0.0	1.41e-04
12	69	0.0	-52.50	-1.21	0.0	-2.69	0.0	5.88e-05
12	69	50.00	-52.50	-1.21	0.0	-2.08	0.0	9.36e-05
12	69	100.00	-52.26	-1.21	0.0	-1.48	0.0	8.15e-05
12	69	150.00	-52.02	-1.21	0.0	-0.88	0.0	8.02e-05
12	69	200.00	-51.78	-1.21	0.0	-0.27	0.0	8.01e-05
12	69	250.00	-51.54	-1.21	0.0	0.33	0.0	8.05e-05
12	69	295.00	-51.31	-1.21	0.0	0.88	0.0	8.00e-05
12	69	340.00	-51.10	-1.21	0.0	1.42	0.0	5.83e-05
12	76	0.0	-163.52	0.11	0.0	0.04	0.0	1.48e-04
12	76	50.00	-163.52	0.11	0.0	-0.01	0.0	2.36e-04
12	76	100.00	-163.21	0.11	0.0	-0.07	0.0	2.06e-04
12	76	150.00	-162.90	0.11	0.0	-0.12	0.0	2.02e-04
12	76	200.00	-162.58	0.11	0.0	-0.18	0.0	2.02e-04
12	76	250.00	-162.27	0.11	0.0	-0.23	0.0	2.03e-04
12	76	295.00	-161.98	0.11	0.0	-0.28	0.0	2.02e-04
12	76	340.00	-161.70	0.11	0.0	-0.33	0.0	1.47e-04
12	126	0.0	-90.51	4.11	0.06	7.22	0.02	-1.80e-03
12	126	50.00	-90.51	4.11	0.06	7.28	0.02	-1.74e-03
12	126	100.00	-90.26	4.10	0.05	5.27	0.04	-1.87e-03
12	126	150.00	-91.67	4.10	0.04	2.92	0.07	-1.80e-03
12	126	200.00	-90.19	4.09	-0.01	1.15	0.08	-1.78e-03
12	126	250.00	-89.85	4.09	-0.02	-0.78	0.07	-1.73e-03
12	126	295.00	-89.34	4.07	-0.06	-2.74	0.06	-1.75e-03
12	126	340.00	-89.12	4.06	-0.09	-4.54	0.02	-1.61e-03
12	127	0.0	-85.74	-4.35	-0.06	-7.96	-0.02	1.96e-03
12	127	50.00	-85.74	-4.35	-0.06	-7.90	-0.02	1.99e-03
12	127	100.00	-85.51	-4.35	-0.05	-5.76	-0.04	2.10e-03
12	127	150.00	-83.62	-4.34	-0.04	-3.29	-0.07	2.02e-03
12	127	200.00	-84.62	-4.34	0.01	-1.40	-0.08	2.00e-03
12	127	250.00	-84.48	-4.33	0.02	0.65	-0.07	1.96e-03
12	127	295.00	-84.53	-4.32	0.06	2.72	-0.06	1.97e-03
12	127	340.00	-84.32	-4.31	0.09	4.64	-0.02	1.77e-03
12	129	0.0	-86.37	-13.52	0.03	-24.53	7.71e-03	6.56e-03
12	129	50.00	-86.37	-13.52	0.03	-24.47	7.71e-03	6.57e-03
12	129	100.00	-86.13	-13.52	0.03	-17.81	0.02	6.99e-03
12	129	150.00	-85.89	-13.50	0.02	-11.15	0.03	6.80e-03
12	129	200.00	-85.64	-13.48	1.77e-03	-4.51	0.04	6.78e-03
12	129	250.00	-85.44	-13.45	-7.50e-03	2.19	0.04	6.72e-03
12	129	295.00	-85.18	-13.41	-0.02	8.47	0.03	6.88e-03
12	129	340.00	-84.95	-13.36	-0.05	14.42	0.01	6.27e-03
12	158	0.0	-90.81	4.66	0.07	8.21	0.02	-2.04e-03

12	158	50.00	-90.81	4.66	0.07	8.27	0.02	-1.97e-03
12	158	100.00	-90.56	4.65	0.06	5.98	0.05	-2.12e-03
12	158	150.00	-92.17	4.65	0.04	3.32	0.07	-2.04e-03
12	158	200.00	-90.54	4.64	-0.01	1.32	0.09	-2.01e-03
12	158	250.00	-90.19	4.63	-0.03	-0.87	0.08	-1.97e-03
12	158	295.00	-89.64	4.62	-0.07	-3.09	0.06	-1.99e-03
12	158	340.00	-89.42	4.61	-0.11	-5.14	0.02	-1.82e-03
12	159	0.0	-85.44	-4.90	-0.07	-8.95	-0.02	2.20e-03
12	159	50.00	-85.44	-4.90	-0.07	-8.89	-0.02	2.23e-03
12	159	100.00	-85.21	-4.90	-0.06	-6.48	-0.05	2.34e-03
12	159	150.00	-83.12	-4.90	-0.04	-3.69	-0.07	2.26e-03
12	159	200.00	-84.27	-4.89	0.01	-1.57	-0.09	2.23e-03
12	159	250.00	-84.14	-4.88	0.03	0.75	-0.08	2.19e-03
12	159	295.00	-84.23	-4.87	0.07	3.08	-0.06	2.21e-03
12	159	340.00	-84.02	-4.85	0.11	5.23	-0.02	1.98e-03
12	161	0.0	-86.14	-15.31	0.04	-27.75	8.64e-03	7.40e-03
12	161	50.00	-86.14	-15.31	0.04	-27.69	8.64e-03	7.40e-03
12	161	100.00	-85.89	-15.30	0.03	-20.14	0.02	7.88e-03
12	161	150.00	-85.65	-15.28	0.02	-12.61	0.04	7.66e-03
12	161	200.00	-85.41	-15.26	2.00e-03	-5.10	0.04	7.65e-03
12	161	250.00	-85.21	-15.22	-8.40e-03	2.49	0.04	7.58e-03
12	161	295.00	-84.94	-15.18	-0.02	9.59	0.03	7.76e-03
12	161	340.00	-84.72	-15.12	-0.06	16.33	0.01	7.07e-03
12	190	0.0	-90.78	4.76	0.07	8.40	0.02	-2.01e-03
12	190	50.00	-90.78	4.76	0.07	8.46	0.02	-1.94e-03
12	190	100.00	-90.52	4.75	0.06	6.12	0.05	-2.09e-03
12	190	150.00	-92.14	4.75	0.04	3.41	0.07	-2.02e-03
12	190	200.00	-90.52	4.74	-0.01	1.36	0.08	-1.99e-03
12	190	250.00	-90.16	4.73	-0.03	-0.88	0.08	-1.94e-03
12	190	295.00	-89.62	4.72	-0.06	-3.15	0.06	-1.96e-03
12	190	340.00	-89.39	4.71	-0.10	-5.24	0.02	-1.80e-03
12	191	0.0	-85.47	-5.00	-0.07	-9.14	-0.02	2.17e-03
12	191	50.00	-85.47	-5.00	-0.07	-9.07	-0.02	2.20e-03
12	191	100.00	-85.25	-5.00	-0.06	-6.61	-0.05	2.32e-03
12	191	150.00	-83.15	-5.00	-0.04	-3.78	-0.07	2.24e-03
12	191	200.00	-84.29	-4.99	0.01	-1.60	-0.08	2.21e-03
12	191	250.00	-84.17	-4.98	0.03	0.76	-0.08	2.16e-03
12	191	295.00	-84.26	-4.97	0.06	3.14	-0.06	2.18e-03
12	191	340.00	-84.05	-4.95	0.10	5.34	-0.02	1.96e-03
12	193	0.0	-86.06	-15.88	0.04	-28.78	8.41e-03	7.54e-03
12	193	50.00	-86.06	-15.88	0.04	-28.72	8.41e-03	7.53e-03
12	193	100.00	-85.82	-15.87	0.03	-20.90	0.02	8.02e-03
12	193	150.00	-85.58	-15.86	0.02	-13.08	0.03	7.80e-03
12	193	200.00	-85.33	-15.83	2.08e-03	-5.29	0.04	7.79e-03
12	193	250.00	-85.13	-15.79	-8.10e-03	2.57	0.04	7.72e-03
12	193	295.00	-84.87	-15.74	-0.02	9.94	0.03	7.91e-03
12	193	340.00	-84.64	-15.69	-0.06	16.93	0.01	7.21e-03
12	222	0.0	-91.22	5.67	0.08	10.03	0.02	-2.36e-03
12	222	50.00	-91.22	5.67	0.08	10.10	0.02	-2.29e-03
12	222	100.00	-90.96	5.66	0.07	7.31	0.06	-2.46e-03
12	222	150.00	-92.91	5.66	0.04	4.09	0.08	-2.37e-03
12	222	200.00	-91.06	5.65	-0.02	1.63	0.10	-2.34e-03
12	222	250.00	-90.67	5.64	-0.03	-1.03	0.09	-2.29e-03
12	222	295.00	-90.06	5.63	-0.08	-3.73	0.07	-2.31e-03
12	222	340.00	-89.83	5.61	-0.12	-6.22	0.03	-2.11e-03
12	223	0.0	-85.03	-5.91	-0.08	-10.77	-0.02	2.52e-03
12	223	50.00	-85.03	-5.91	-0.08	-10.71	-0.02	2.55e-03
12	223	100.00	-84.81	-5.91	-0.07	-7.80	-0.06	2.69e-03
12	223	150.00	-82.38	-5.90	-0.04	-4.46	-0.08	2.59e-03
12	223	200.00	-83.75	-5.90	0.02	-1.88	-0.10	2.56e-03
12	223	250.00	-83.66	-5.88	0.03	0.91	-0.09	2.51e-03
12	223	295.00	-83.81	-5.87	0.08	3.72	-0.07	2.53e-03
12	223	340.00	-83.61	-5.85	0.12	6.32	-0.03	2.27e-03
12	225	0.0	-85.63	-19.11	0.04	-34.61	9.87e-03	9.00e-03
12	225	50.00	-85.63	-19.11	0.04	-34.55	9.87e-03	8.99e-03
12	225	100.00	-85.39	-19.10	0.04	-25.13	0.03	9.58e-03
12	225	150.00	-85.15	-19.08	0.03	-15.73	0.04	9.32e-03
12	225	200.00	-84.90	-19.05	2.51e-03	-6.34	0.05	9.30e-03
12	225	250.00	-84.71	-19.00	-9.50e-03	3.10	0.05	9.22e-03
12	225	295.00	-84.44	-18.94	-0.02	11.98	0.03	9.45e-03
12	225	340.00	-84.21	-18.88	-0.07	20.39	0.01	8.61e-03
12	264	0.0	-98.01	-0.25	0.0	-0.66	0.0	2.72e-04
12	264	50.00	-98.01	-0.25	0.0	-0.53	0.0	4.33e-04
12	264	100.00	-97.77	-0.25	0.0	-0.41	0.0	3.77e-04
12	264	150.00	-97.53	-0.25	0.0	-0.28	0.0	3.71e-04

12	264	200.00	-97.29	-0.25	0.0	-0.16	0.0	3.70e-04
12	264	250.00	-97.05	-0.25	0.0	-0.03	0.0	3.72e-04
12	264	295.00	-96.83	-0.25	0.0	0.08	0.0	3.70e-04
12	264	340.00	-96.61	-0.25	0.0	0.20	0.0	2.70e-04
12	273	0.0	-56.91	-0.83	0.0	-1.87	0.0	5.84e-05
12	273	50.00	-56.91	-0.83	0.0	-1.46	0.0	9.30e-05
12	273	100.00	-56.67	-0.83	0.0	-1.04	0.0	8.10e-05
12	273	150.00	-56.43	-0.83	0.0	-0.63	0.0	7.96e-05
12	273	200.00	-56.19	-0.83	0.0	-0.21	0.0	7.96e-05
12	273	250.00	-55.95	-0.83	0.0	0.20	0.0	8.00e-05
12	273	295.00	-55.72	-0.83	0.0	0.58	0.0	7.94e-05
12	273	340.00	-55.51	-0.83	0.0	0.95	0.0	5.79e-05
12	276	0.0	-97.96	-0.90	0.0	-2.07	0.0	9.86e-05
12	276	50.00	-97.96	-0.90	0.0	-1.62	0.0	1.57e-04
12	276	100.00	-97.72	-0.90	0.0	-1.17	0.0	1.37e-04
12	276	150.00	-97.48	-0.90	0.0	-0.72	0.0	1.35e-04
12	276	200.00	-97.24	-0.90	0.0	-0.27	0.0	1.34e-04
12	276	250.00	-97.00	-0.90	0.0	0.18	0.0	1.35e-04
12	276	295.00	-96.77	-0.90	0.0	0.58	0.0	1.34e-04
12	276	340.00	-96.55	-0.90	0.0	0.98	0.0	9.79e-05
12	280	0.0	-113.80	0.07	0.0	9.81e-03	0.0	1.03e-04
12	280	50.00	-113.80	0.07	0.0	-0.02	0.0	1.64e-04
12	280	100.00	-113.56	0.07	0.0	-0.06	0.0	1.43e-04
12	280	150.00	-113.32	0.07	0.0	-0.09	0.0	1.40e-04
12	280	200.00	-113.08	0.07	0.0	-0.12	0.0	1.40e-04
12	280	250.00	-112.84	0.07	0.0	-0.16	0.0	1.41e-04
12	280	295.00	-112.61	0.07	0.0	-0.19	0.0	1.40e-04
12	280	340.00	-112.39	0.07	0.0	-0.22	0.0	1.02e-04
12	298	0.0	-93.28	-0.13	0.0	-0.39	0.0	8.55e-05
12	298	50.00	-93.28	-0.13	0.0	-0.33	0.0	1.36e-04
12	298	100.00	-93.04	-0.13	0.0	-0.26	0.0	1.19e-04
12	298	150.00	-92.80	-0.13	0.0	-0.20	0.0	1.17e-04
12	298	200.00	-92.56	-0.13	0.0	-0.13	0.0	1.16e-04
12	298	250.00	-92.32	-0.13	0.0	-0.07	0.0	1.17e-04
12	298	295.00	-92.09	-0.13	0.0	-6.79e-03	0.0	1.16e-04
12	298	340.00	-91.87	-0.13	0.0	0.05	0.0	8.48e-05
12	305	0.0	-88.08	-0.15	0.0	-0.42	0.0	1.17e-04
12	305	50.00	-88.08	-0.15	0.0	-0.35	0.0	1.86e-04
12	305	100.00	-87.84	-0.15	0.0	-0.27	0.0	1.62e-04
12	305	150.00	-87.60	-0.15	0.0	-0.20	0.0	1.59e-04
12	305	200.00	-87.36	-0.15	0.0	-0.13	0.0	1.59e-04
12	305	250.00	-87.12	-0.15	0.0	-0.05	0.0	1.60e-04
12	305	295.00	-86.89	-0.15	0.0	0.01	0.0	1.59e-04
12	305	340.00	-86.67	-0.15	0.0	0.08	0.0	1.16e-04
12	306	0.0	-57.14	-0.22	0.0	-0.55	0.0	5.16e-05
12	306	50.00	-57.14	-0.22	0.0	-0.44	0.0	8.22e-05
12	306	100.00	-56.90	-0.22	0.0	-0.32	0.0	7.16e-05
12	306	150.00	-56.66	-0.22	0.0	-0.21	0.0	7.04e-05
12	306	200.00	-56.42	-0.22	0.0	-0.10	0.0	7.03e-05
12	306	250.00	-56.18	-0.22	0.0	6.09e-03	0.0	7.07e-05
12	306	295.00	-55.96	-0.22	0.0	0.11	0.0	7.02e-05
12	306	340.00	-55.74	-0.22	0.0	0.20	0.0	5.12e-05
12	307	0.0	-88.07	-0.28	0.0	-0.70	0.0	8.21e-05
12	307	50.00	-88.07	-0.28	0.0	-0.56	0.0	1.31e-04
12	307	100.00	-87.83	-0.28	0.0	-0.43	0.0	1.14e-04
12	307	150.00	-87.59	-0.28	0.0	-0.29	0.0	1.12e-04
12	307	200.00	-87.35	-0.28	0.0	-0.15	0.0	1.12e-04
12	307	250.00	-87.11	-0.28	0.0	-0.01	0.0	1.12e-04
12	307	295.00	-86.88	-0.28	0.0	0.11	0.0	1.12e-04
12	307	340.00	-86.66	-0.28	0.0	0.23	0.0	8.14e-05
12	309	0.0	-57.20	-0.07	0.0	-0.21	0.0	4.99e-05
12	309	50.00	-57.20	-0.07	0.0	-0.18	0.0	7.95e-05
12	309	100.00	-56.96	-0.07	0.0	-0.15	0.0	6.92e-05
12	309	150.00	-56.72	-0.07	0.0	-0.11	0.0	6.81e-05
12	309	200.00	-56.48	-0.07	0.0	-0.08	0.0	6.80e-05
12	309	250.00	-56.24	-0.07	0.0	-0.04	0.0	6.84e-05
12	309	295.00	-56.01	-0.07	0.0	-0.01	0.0	6.79e-05
12	309	340.00	-55.80	-0.07	0.0	0.02	0.0	4.95e-05
12	310	0.0	-88.12	-0.12	0.0	-0.37	0.0	8.04e-05
12	310	50.00	-88.12	-0.12	0.0	-0.31	0.0	1.28e-04
12	310	100.00	-87.88	-0.12	0.0	-0.25	0.0	1.12e-04
12	310	150.00	-87.64	-0.12	0.0	-0.19	0.0	1.10e-04
12	310	200.00	-87.40	-0.12	0.0	-0.12	0.0	1.10e-04
12	310	250.00	-87.16	-0.12	0.0	-0.06	0.0	1.10e-04
12	310	295.00	-86.94	-0.12	0.0	-7.69e-03	0.0	1.09e-04

12	310	340.00	-86.72	-0.12	0.0	0.05	0.0	7.97e-05

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-163.52	-19.11	-0.12	-34.61	-0.10	-2.46e-03
	-51.10	5.67	0.12	20.39	0.10	9.58e-03

Macro	Tipo	Angolo 1-Z (gradi)
13	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
13	4	0.0	-317.81	-8.50	1.83	71.62	0.0	0.03
13	4	50.00	-317.81	-8.50	1.83	75.88	0.92	0.04
13	4	100.00	-311.84	-8.50	1.08	83.44	1.46	0.03
13	4	150.00	-306.98	-8.51	0.47	89.95	1.69	8.71e-03
13	4	200.00	-302.92	-8.52	-0.08	95.71	1.65	-0.01
13	4	250.00	-299.40	-8.54	-0.63	100.97	1.33	-0.03
13	4	295.00	-296.22	-8.55	-1.19	105.61	0.80	-0.04
13	4	340.00	-286.91	-8.56	-1.77	116.16	0.0	-0.03
13	45	0.0	-93.36	-5.42	-6.29	23.04	0.0	-0.09
13	45	50.00	-93.36	-5.42	-6.29	25.75	-3.14	-0.14
13	45	100.00	-92.59	-5.42	-3.71	27.39	-5.00	-0.08
13	45	150.00	-92.02	-5.42	-1.64	28.84	-5.82	-0.02
13	45	200.00	-91.51	-5.42	0.20	30.24	-5.73	0.04
13	45	250.00	-91.00	-5.42	2.06	31.64	-4.70	0.09
13	45	295.00	-90.44	-5.43	4.06	32.91	-2.87	0.12
13	45	340.00	-87.94	-5.43	6.37	36.09	0.0	0.10
13	68	0.0	-268.72	-26.19	-0.05	-25.19	0.0	1.95e-03
13	68	50.00	-268.72	-26.19	-0.05	-12.10	-0.03	3.17e-03
13	68	100.00	-263.64	-26.18	-0.04	3.45	-0.05	2.13e-03
13	68	150.00	-259.55	-26.18	-0.03	18.08	-0.06	1.10e-03
13	68	200.00	-256.14	-26.18	-0.02	32.06	-0.07	-3.51e-05
13	68	250.00	-253.19	-26.19	-5.58e-03	45.61	-0.07	-1.00e-03
13	68	295.00	-250.51	-26.20	0.03	57.71	-0.06	-1.49e-03
13	68	340.00	-242.29	-26.20	0.13	75.17	0.0	-1.38e-03
13	126	0.0	-359.84	57.17	0.32	189.22	0.09	-1.09e-03
13	126	50.00	-359.84	57.17	0.32	191.66	0.07	-5.02e-04
13	126	100.00	-343.48	55.76	0.30	178.29	0.22	-1.88e-03
13	126	150.00	-327.89	55.67	0.28	163.51	0.35	-8.12e-04
13	126	200.00	-312.82	56.11	0.08	147.89	0.42	-0.01
13	126	250.00	-298.16	56.30	-0.07	131.75	0.45	-0.02
13	126	295.00	-284.44	56.34	-0.33	115.33	0.37	-0.01
13	126	340.00	-268.39	56.31	-0.64	103.77	0.16	-0.01
13	127	0.0	9.96	-66.96	-0.37	-113.44	-0.09	3.31e-03
13	127	50.00	9.96	-66.96	-0.37	-110.99	-0.10	4.14e-03
13	127	100.00	0.63	-65.55	-0.34	-89.67	-0.26	4.42e-03
13	127	150.00	-9.13	-65.46	-0.31	-68.07	-0.41	2.29e-03
13	127	200.00	-19.19	-65.92	-0.11	-46.41	-0.49	0.01
13	127	250.00	-29.39	-66.12	0.06	-24.74	-0.52	0.02
13	127	295.00	-39.03	-66.18	0.36	-3.45	-0.43	0.01
13	127	340.00	-44.32	-66.16	0.78	19.49	-0.16	0.01
13	129	0.0	-186.59	-203.94	-0.12	-981.24	-0.02	0.06
13	129	50.00	-186.59	-203.94	-0.12	-978.79	-0.03	0.06
13	129	100.00	-179.48	-203.87	-0.04	-871.70	-0.05	0.07
13	129	150.00	-173.34	-201.99	-3.58e-04	-766.08	-0.05	0.06
13	129	200.00	-167.90	-201.81	-0.01	-661.53	-0.05	0.06
13	129	250.00	-163.05	-199.73	0.03	-557.92	-0.04	0.05
13	129	295.00	-159.75	-199.48	0.04	-458.36	-0.03	0.04
13	129	340.00	-150.63	-199.30	0.08	-363.34	2.76e-03	0.04
13	158	0.0	-382.87	65.27	0.36	209.96	0.10	-1.45e-03
13	158	50.00	-382.87	65.27	0.36	212.40	0.08	-8.81e-04
13	158	100.00	-364.91	63.68	0.34	196.68	0.25	-2.35e-03
13	158	150.00	-347.74	63.57	0.32	179.45	0.40	-1.04e-03
13	158	200.00	-331.10	64.07	0.09	161.34	0.48	-0.01
13	158	250.00	-314.90	64.28	-0.08	142.66	0.50	-0.02
13	158	295.00	-299.72	64.33	-0.37	123.73	0.41	-0.02
13	158	340.00	-282.35	64.30	-0.73	109.84	0.18	-0.02
13	159	0.0	32.99	-75.06	-0.41	-134.18	-0.10	3.67e-03
13	159	50.00	32.99	-75.06	-0.41	-131.73	-0.11	4.52e-03
13	159	100.00	22.07	-73.47	-0.38	-108.06	-0.29	4.89e-03
13	159	150.00	10.73	-73.37	-0.34	-84.02	-0.45	2.52e-03
13	159	200.00	-0.90	-73.87	-0.12	-59.86	-0.54	0.01

13	159	250.00	-12.65	-74.10	0.07	-35.65	-0.58	0.02
13	159	295.00	-23.75	-74.17	0.40	-11.85	-0.48	0.02
13	159	340.00	-30.36	-74.14	0.87	13.42	-0.18	0.01
13	161	0.0	-187.78	-230.42	-0.13	-1116.58	-0.02	0.07
13	161	50.00	-187.78	-230.42	-0.13	-1114.14	-0.03	0.07
13	161	100.00	-180.23	-230.33	-0.04	-993.38	-0.05	0.07
13	161	150.00	-173.70	-228.21	8.23e-04	-874.19	-0.06	0.07
13	161	200.00	-167.90	-228.01	-0.01	-756.16	-0.06	0.07
13	161	250.00	-162.73	-225.66	0.03	-639.15	-0.05	0.05
13	161	295.00	-159.28	-225.38	0.04	-526.72	-0.03	0.05
13	161	340.00	-149.70	-225.16	0.08	-419.79	2.70e-03	0.04
13	190	0.0	-380.06	66.77	0.35	220.10	0.09	-2.03e-03
13	190	50.00	-380.06	66.77	0.35	222.55	0.08	-1.44e-03
13	190	100.00	-362.32	65.17	0.33	205.89	0.24	-2.84e-03
13	190	150.00	-345.34	65.04	0.31	187.76	0.38	-1.23e-03
13	190	200.00	-328.89	65.51	0.09	168.75	0.46	-0.01
13	190	250.00	-312.86	65.71	-0.08	149.17	0.48	-0.02
13	190	295.00	-297.84	65.75	-0.36	129.44	0.40	-0.02
13	190	340.00	-280.65	65.72	-0.70	114.65	0.17	-0.01
13	191	0.0	30.18	-76.55	-0.40	-144.32	-0.09	4.25e-03
13	191	50.00	30.18	-76.55	-0.40	-141.88	-0.11	5.08e-03
13	191	100.00	19.48	-74.96	-0.36	-117.27	-0.28	5.38e-03
13	191	150.00	8.33	-74.83	-0.33	-92.32	-0.44	2.71e-03
13	191	200.00	-3.11	-75.32	-0.12	-67.26	-0.52	0.01
13	191	250.00	-14.69	-75.53	0.07	-42.16	-0.56	0.02
13	191	295.00	-25.62	-75.59	0.38	-17.55	-0.46	0.02
13	191	340.00	-32.05	-75.57	0.84	8.61	-0.17	0.01
13	193	0.0	-186.09	-238.95	-0.14	-1158.87	-0.02	0.07
13	193	50.00	-186.09	-238.95	-0.14	-1156.42	-0.03	0.07
13	193	100.00	-178.64	-238.85	-0.05	-1031.54	-0.06	0.07
13	193	150.00	-172.19	-236.68	-2.44e-03	-908.17	-0.07	0.07
13	193	200.00	-166.46	-236.46	-0.01	-785.92	-0.07	0.07
13	193	250.00	-161.36	-234.08	0.04	-664.68	-0.06	0.05
13	193	295.00	-157.94	-233.78	0.05	-548.48	-0.04	0.05
13	193	340.00	-148.45	-233.55	0.09	-437.54	6.41e-05	0.04
13	222	0.0	-413.74	80.14	0.41	258.12	0.11	-2.64e-03
13	222	50.00	-413.74	80.14	0.41	260.56	0.09	-2.07e-03
13	222	100.00	-393.68	78.25	0.39	239.72	0.28	-3.62e-03
13	222	150.00	-374.39	78.07	0.36	217.29	0.45	-1.67e-03
13	222	200.00	-355.65	78.62	0.11	193.90	0.54	-0.01
13	222	250.00	-337.35	78.85	-0.09	169.88	0.57	-0.02
13	222	295.00	-320.21	78.89	-0.42	145.76	0.47	-0.02
13	222	340.00	-301.11	78.85	-0.83	126.86	0.20	-0.02
13	223	0.0	63.86	-89.92	-0.46	-182.34	-0.11	4.87e-03
13	223	50.00	63.86	-89.92	-0.46	-179.89	-0.12	5.71e-03
13	223	100.00	50.84	-88.04	-0.42	-151.10	-0.32	6.16e-03
13	223	150.00	37.38	-87.87	-0.39	-121.85	-0.50	3.15e-03
13	223	200.00	23.64	-88.42	-0.13	-92.41	-0.60	0.01
13	223	250.00	9.80	-88.67	0.08	-62.87	-0.64	0.02
13	223	295.00	-3.26	-88.73	0.44	-33.87	-0.53	0.02
13	223	340.00	-11.59	-88.70	0.97	-3.60	-0.20	0.02
13	225	0.0	-186.85	-286.91	-0.16	-1402.97	-0.03	0.08
13	225	50.00	-186.85	-286.91	-0.16	-1400.53	-0.04	0.08
13	225	100.00	-178.76	-286.77	-0.06	-1251.05	-0.07	0.09
13	225	150.00	-171.73	-284.18	-2.02e-03	-1103.24	-0.08	0.09
13	225	200.00	-165.48	-283.91	-0.01	-956.68	-0.08	0.08
13	225	250.00	-159.92	-281.08	0.05	-811.25	-0.06	0.06
13	225	295.00	-156.30	-280.72	0.06	-671.88	-0.04	0.06
13	225	340.00	-146.11	-280.44	0.10	-539.42	-1.34e-03	0.05
13	244	0.0	-223.24	-5.88	1.22	49.00	0.0	0.02
13	244	50.00	-223.24	-5.88	1.22	51.94	0.61	0.03
13	244	100.00	-218.89	-5.88	0.72	57.19	0.97	0.02
13	244	150.00	-215.33	-5.88	0.31	61.70	1.12	5.84e-03
13	244	200.00	-212.33	-5.89	-0.06	65.69	1.10	-7.21e-03
13	244	250.00	-209.70	-5.90	-0.42	69.33	0.89	-0.02
13	244	295.00	-207.33	-5.91	-0.79	72.53	0.53	-0.02
13	244	340.00	-200.66	-5.92	-1.18	79.87	0.0	-0.02
13	261	0.0	-107.68	-4.72	-4.20	23.51	0.0	-0.06
13	261	50.00	-107.68	-4.72	-4.20	25.86	-2.10	-0.09
13	261	100.00	-106.11	-4.72	-2.48	27.91	-3.34	-0.05
13	261	150.00	-104.82	-4.72	-1.10	29.69	-3.89	-0.02
13	261	200.00	-103.69	-4.72	0.13	31.32	-3.83	0.02
13	261	250.00	-102.63	-4.72	1.37	32.89	-3.14	0.06
13	261	295.00	-101.60	-4.73	2.71	34.29	-1.92	0.08
13	261	340.00	-98.42	-4.73	4.26	37.81	0.0	0.06

13	276	0.0	-190.51	-17.67	-0.04	-15.55	0.0	1.36e-03
13	276	50.00	-190.51	-17.67	-0.04	-6.71	-0.02	2.21e-03
13	276	100.00	-186.76	-17.66	-0.02	3.87	-0.03	1.48e-03
13	276	150.00	-183.71	-17.66	-0.02	13.79	-0.04	7.70e-04
13	276	200.00	-181.14	-17.66	-0.01	23.25	-0.05	-1.76e-05
13	276	250.00	-178.89	-17.67	-4.25e-03	32.42	-0.05	-6.86e-04
13	276	295.00	-176.85	-17.68	0.02	40.60	-0.04	-1.02e-03
13	276	340.00	-170.91	-17.68	0.09	52.54	0.0	-9.52e-04
13	298	0.0	-183.81	-5.24	-0.03	40.85	0.0	1.18e-03
13	298	50.00	-183.81	-5.24	-0.03	43.47	-0.01	1.94e-03
13	298	100.00	-180.21	-5.24	-0.02	47.69	-0.02	1.35e-03
13	298	150.00	-177.25	-5.24	-0.01	51.32	-0.03	7.90e-04
13	298	200.00	-174.72	-5.25	-0.01	54.54	-0.04	1.75e-04
13	298	250.00	-172.48	-5.26	-6.23e-03	57.49	-0.04	-3.43e-04
13	298	295.00	-170.42	-5.27	0.01	60.10	-0.03	-6.02e-04
13	298	340.00	-164.85	-5.27	0.07	66.12	0.0	-6.12e-04
13	304	0.0	-118.92	-3.19	-0.85	20.81	0.0	-0.01
13	304	50.00	-118.92	-3.19	-0.85	22.41	-0.43	-0.02
13	304	100.00	-116.16	-3.19	-0.50	24.82	-0.68	-0.01
13	304	150.00	-113.80	-3.20	-0.23	26.85	-0.79	-2.81e-03
13	304	200.00	-111.70	-3.20	0.02	28.64	-0.78	5.02e-03
13	304	250.00	-109.79	-3.20	0.27	30.25	-0.65	0.01
13	304	295.00	-108.01	-3.21	0.55	31.68	-0.40	0.02
13	304	340.00	-103.99	-3.21	0.89	35.30	0.0	0.01
13	307	0.0	-174.56	-7.34	-0.03	26.55	0.0	1.13e-03
13	307	50.00	-174.56	-7.34	-0.03	30.22	-0.01	1.86e-03
13	307	100.00	-171.02	-7.34	-0.02	35.44	-0.02	1.28e-03
13	307	150.00	-168.10	-7.35	-0.01	40.08	-0.03	7.30e-04
13	307	200.00	-165.59	-7.35	-0.01	44.33	-0.04	1.22e-04
13	307	250.00	-163.37	-7.36	-5.56e-03	48.32	-0.04	-3.90e-04
13	307	295.00	-161.33	-7.37	0.01	51.85	-0.03	-6.47e-04
13	307	340.00	-155.92	-7.37	0.07	58.67	0.0	-6.39e-04
13	309	0.0	-121.74	-2.81	-0.02	20.14	0.0	6.81e-04
13	309	50.00	-121.74	-2.81	-0.02	21.54	-8.42e-03	1.12e-03
13	309	100.00	-118.67	-2.81	-9.86e-03	24.05	-0.01	7.72e-04
13	309	150.00	-116.04	-2.81	-8.33e-03	26.14	-0.02	4.37e-04
13	309	200.00	-113.71	-2.82	-7.87e-03	27.96	-0.02	6.72e-05
13	309	250.00	-111.58	-2.82	-4.94e-03	29.60	-0.02	-2.42e-04
13	309	295.00	-109.61	-2.83	7.66e-03	31.02	-0.02	-3.93e-04
13	309	340.00	-105.38	-2.83	0.05	34.67	0.0	-3.86e-04
13	310	0.0	-174.94	-4.89	-0.03	37.89	0.0	1.11e-03
13	310	50.00	-174.94	-4.89	-0.03	40.34	-0.01	1.82e-03
13	310	100.00	-171.42	-4.89	-0.02	44.31	-0.02	1.27e-03
13	310	150.00	-168.51	-4.90	-0.01	47.72	-0.03	7.40e-04
13	310	200.00	-166.00	-4.90	-0.01	50.74	-0.03	1.59e-04
13	310	250.00	-163.78	-4.91	-6.05e-03	53.51	-0.04	-3.28e-04
13	310	295.00	-161.73	-4.92	0.01	55.94	-0.03	-5.72e-04
13	310	340.00	-156.35	-4.92	0.07	61.63	0.0	-5.80e-04

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-413.74	-286.91	-6.29	-1402.97	-5.82	-0.14
	63.86	80.14	6.37	260.56	1.69	0.12

Macro	Tipo	Angolo 1-Z (gradi)
14	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
14	4	340.00	37.02	5.52	-5.61e-04	9.02	0.0	1.44e-03
14	4	393.33	37.02	5.52	-5.61e-04	11.97	-2.99e-04	1.24e-03
14	4	446.67	41.25	6.43	3.39e-04	16.97	-1.19e-04	1.39e-03
14	4	500.00	46.86	5.33	-2.45e-06	23.26	4.89e-06	1.33e-03
14	4	550.00	48.26	5.33	-2.45e-06	25.92	3.67e-06	1.31e-03
14	4	600.00	49.61	5.33	-2.45e-06	28.59	2.45e-06	1.29e-03
14	4	650.00	50.97	5.33	-2.45e-06	31.25	1.22e-06	1.20e-03
14	4	700.00	51.27	-1.15	-2.45e-06	30.66	0.0	6.31e-04
14	45	340.00	2.08	0.55	-4.67e-04	13.50	0.0	-1.06e-03
14	45	393.33	2.08	0.55	-4.67e-04	13.80	-2.49e-04	2.37e-03
14	45	446.67	3.71	0.19	2.65e-05	16.21	-2.35e-04	1.21e-03
14	45	500.00	5.58	-4.67	7.20e-05	17.98	-1.44e-04	1.25e-03
14	45	550.00	6.66	-4.67	7.20e-05	15.64	-1.08e-04	1.31e-03
14	45	600.00	7.70	-4.67	7.20e-05	13.31	-7.20e-05	1.29e-03

14	45	650.00	8.74	-4.67	7.20e-05	10.97	-3.60e-05	1.22e-03
14	45	700.00	9.66	-3.39	7.20e-05	9.03	0.0	7.04e-04
14	69	340.00	3.28	1.58	5.73	3.79	0.0	-0.04
14	69	393.33	3.28	1.58	5.73	4.63	3.06	-0.02
14	69	446.67	4.84	1.85	4.11	5.99	5.25	-0.04
14	69	500.00	6.83	1.30	1.91	7.90	6.28	-3.89e-03
14	69	550.00	7.90	1.30	-0.15	8.55	6.20	8.42e-03
14	69	600.00	8.95	1.30	-2.14	9.20	5.13	0.01
14	69	650.00	9.99	1.30	-4.14	9.85	3.06	0.01
14	69	700.00	10.84	-0.37	-6.13	9.59	0.0	0.02
14	113	340.00	27.45	20.17	0.15	-165.27	0.07	0.04
14	113	393.33	27.45	20.17	0.15	-163.79	0.07	0.04
14	113	446.67	30.09	32.47	0.09	-164.58	0.24	0.03
14	113	500.00	31.67	94.84	0.08	-177.33	0.34	0.03
14	113	550.00	32.70	94.45	-0.03	-128.64	0.37	0.02
14	113	600.00	33.24	94.03	-0.11	-81.91	0.29	0.02
14	113	650.00	35.72	93.55	-0.15	-34.35	0.11	0.02
14	113	700.00	35.90	43.59	-9.67e-03	-0.21	0.04	0.02
14	116	340.00	1.26	-14.63	-0.15	178.15	-0.07	-0.04
14	116	393.33	1.26	-14.63	-0.15	179.63	-0.07	-0.04
14	116	446.67	3.10	-26.16	-0.09	185.75	-0.24	-0.03
14	116	500.00	7.63	-91.12	-0.08	205.15	-0.34	-0.02
14	116	550.00	8.74	-90.74	0.03	158.32	-0.37	-0.02
14	116	600.00	10.29	-90.31	0.11	113.45	-0.29	-0.02
14	116	650.00	9.89	-89.83	0.15	67.75	-0.11	-0.02
14	116	700.00	10.98	-45.83	9.68e-03	32.35	-0.04	-0.02
14	145	340.00	29.08	22.33	0.17	-186.61	0.08	0.04
14	145	393.33	29.08	22.33	0.17	-185.13	0.08	0.04
14	145	446.67	31.78	36.11	0.10	-186.35	0.28	0.03
14	145	500.00	33.17	106.39	0.09	-201.11	0.39	0.03
14	145	550.00	34.20	105.96	-0.03	-146.48	0.42	0.03
14	145	600.00	34.69	105.48	-0.13	-94.06	0.33	0.02
14	145	650.00	37.31	104.94	-0.17	-40.72	0.13	0.02
14	145	700.00	37.42	49.15	-0.01	-2.23	0.04	0.02
14	148	340.00	-0.37	-16.79	-0.17	199.50	-0.08	-0.04
14	148	393.33	-0.37	-16.79	-0.17	200.98	-0.08	-0.04
14	148	446.67	1.41	-29.80	-0.10	207.53	-0.28	-0.03
14	148	500.00	6.12	-102.68	-0.09	228.93	-0.39	-0.03
14	148	550.00	7.24	-102.24	0.03	176.16	-0.42	-0.03
14	148	600.00	8.84	-101.76	0.13	125.59	-0.33	-0.02
14	148	650.00	8.30	-101.23	0.17	74.12	-0.13	-0.02
14	148	700.00	9.45	-51.39	0.01	34.37	-0.04	-0.02
14	177	340.00	29.02	22.16	0.18	-184.89	0.08	0.04
14	177	393.33	29.02	22.16	0.18	-183.41	0.08	0.04
14	177	446.67	31.72	35.78	0.11	-184.58	0.28	0.03
14	177	500.00	33.12	105.41	0.09	-199.17	0.40	0.03
14	177	550.00	34.16	104.98	-0.03	-145.03	0.43	0.03
14	177	600.00	34.75	104.51	-0.13	-93.02	0.34	0.02
14	177	650.00	37.08	103.98	-0.18	-40.32	0.14	0.02
14	177	700.00	37.14	48.68	-0.03	-1.99	0.05	0.02
14	180	340.00	-0.31	-16.61	-0.18	197.78	-0.08	-0.04
14	180	393.33	-0.31	-16.61	-0.18	199.26	-0.08	-0.04
14	180	446.67	1.47	-29.48	-0.11	205.76	-0.28	-0.03
14	180	500.00	6.17	-101.70	-0.09	226.99	-0.40	-0.03
14	180	550.00	7.29	-101.26	0.03	174.71	-0.43	-0.03
14	180	600.00	8.78	-100.79	0.13	124.56	-0.34	-0.02
14	180	650.00	8.53	-100.26	0.18	73.71	-0.14	-0.02
14	180	700.00	9.74	-50.92	0.03	34.13	-0.05	-0.02
14	193	340.00	24.20	14.74	1.00	-114.83	0.28	0.03
14	193	393.33	24.20	14.74	1.00	-113.35	0.28	0.03
14	193	446.67	26.97	22.98	0.74	-113.54	0.77	0.03
14	193	500.00	28.98	65.27	0.25	-122.34	1.07	0.04
14	193	550.00	30.03	65.04	-0.10	-88.83	1.12	0.04
14	193	600.00	31.12	64.80	-0.38	-56.50	1.00	0.03
14	193	650.00	32.83	64.52	-0.70	-23.71	0.69	0.03
14	193	700.00	32.85	29.58	-0.99	-0.45	0.26	0.02
14	209	340.00	31.56	25.48	0.22	-217.79	0.10	0.05
14	209	393.33	31.56	25.48	0.22	-216.31	0.10	0.05
14	209	446.67	34.35	41.38	0.14	-218.15	0.34	0.04
14	209	500.00	35.47	123.17	0.11	-235.84	0.48	0.04
14	209	550.00	36.50	122.67	-0.04	-172.57	0.52	0.03
14	209	600.00	37.02	122.11	-0.16	-111.80	0.41	0.03
14	209	650.00	39.54	121.49	-0.21	-50.23	0.17	0.03
14	209	700.00	39.48	57.22	-0.04	-5.19	0.06	0.03
14	212	340.00	-2.85	-19.94	-0.22	230.68	-0.10	-0.05

14	212	393.33	-2.85	-19.94	-0.22	232.16	-0.10	-0.05
14	212	446.67	-1.16	-35.07	-0.14	239.33	-0.34	-0.04
14	212	500.00	3.83	-119.45	-0.11	263.66	-0.48	-0.03
14	212	550.00	4.95	-118.95	0.04	202.25	-0.52	-0.03
14	212	600.00	6.51	-118.39	0.16	143.33	-0.41	-0.03
14	212	650.00	6.07	-117.77	0.21	83.62	-0.17	-0.03
14	212	700.00	7.40	-59.46	0.04	37.33	-0.06	-0.03
14	225	340.00	26.09	16.99	1.20	-137.73	0.33	0.04
14	225	393.33	26.09	16.99	1.20	-136.25	0.33	0.04
14	225	446.67	28.96	26.70	0.89	-137.00	0.93	0.04
14	225	500.00	30.77	77.17	0.30	-148.12	1.28	0.05
14	225	550.00	31.82	76.91	-0.12	-108.48	1.35	0.04
14	225	600.00	32.92	76.62	-0.46	-70.25	1.20	0.04
14	225	650.00	34.73	76.29	-0.84	-31.50	0.83	0.04
14	225	700.00	34.61	35.34	-1.19	-3.72	0.31	0.03
14	244	340.00	24.23	3.81	-3.92e-04	6.43	0.0	9.90e-04
14	244	393.33	24.23	3.81	-3.92e-04	8.46	-2.09e-04	8.86e-04
14	244	446.67	27.18	4.44	2.32e-04	11.90	-8.54e-05	9.76e-04
14	244	500.00	31.11	3.64	0.0	16.27	1.10e-06	9.35e-04
14	244	550.00	32.19	3.64	0.0	18.09	0.0	9.23e-04
14	244	600.00	33.23	3.64	0.0	19.91	0.0	9.09e-04
14	244	650.00	34.27	3.64	0.0	21.73	0.0	8.45e-04
14	244	700.00	34.62	-0.81	0.0	21.31	0.0	4.48e-04
14	261	340.00	3.98	1.02	-3.97e-04	10.92	0.0	-5.93e-04
14	261	393.33	3.98	1.02	-3.97e-04	11.46	-2.12e-04	1.80e-03
14	261	446.67	5.69	0.87	5.92e-05	13.73	-1.80e-04	9.97e-04
14	261	500.00	7.75	-2.71	5.09e-05	15.75	-1.02e-04	1.02e-03
14	261	550.00	8.83	-2.71	5.09e-05	14.40	-7.63e-05	1.06e-03
14	261	600.00	9.87	-2.71	5.09e-05	13.04	-5.09e-05	1.05e-03
14	261	650.00	10.91	-2.71	5.09e-05	11.69	-2.54e-05	9.84e-04
14	261	700.00	11.77	-2.51	5.09e-05	10.24	0.0	5.63e-04
14	273	340.00	4.78	1.70	3.82	4.45	0.0	-0.02
14	273	393.33	4.78	1.70	3.82	5.36	2.04	-0.01
14	273	446.67	6.45	1.98	2.74	6.92	3.50	-0.03
14	273	500.00	8.58	1.27	1.27	9.04	4.19	-2.41e-03
14	273	550.00	9.66	1.27	-0.10	9.67	4.14	5.80e-03
14	273	600.00	10.70	1.27	-1.43	10.30	3.42	8.49e-03
14	273	650.00	11.74	1.27	-2.76	10.94	2.04	9.78e-03
14	273	700.00	12.56	-0.49	-4.09	10.62	0.0	0.01
14	298	340.00	15.98	2.95	-3.53e-04	6.68	0.0	5.49e-04
14	298	393.33	15.98	2.95	-3.53e-04	8.26	-1.88e-04	9.88e-04
14	298	446.67	18.32	3.36	1.77e-04	11.10	-9.35e-05	8.79e-04
14	298	500.00	21.53	1.99	9.20e-06	14.61	-1.84e-05	8.58e-04
14	298	550.00	22.60	1.99	9.20e-06	15.61	-1.38e-05	8.58e-04
14	298	600.00	23.65	1.99	9.20e-06	16.60	-9.20e-06	8.46e-04
14	298	650.00	24.69	1.99	9.20e-06	17.60	-4.60e-06	7.87e-04
14	298	700.00	25.28	-1.21	9.20e-06	16.93	0.0	4.22e-04
14	304	340.00	4.47	1.55	-2.57e-04	6.18	0.0	1.28e-04
14	304	393.33	4.47	1.55	-2.57e-04	7.01	-1.37e-04	8.37e-04
14	304	446.67	6.12	1.72	9.45e-05	8.77	-8.68e-05	6.14e-04
14	304	500.00	8.24	0.31	1.70e-05	10.91	-3.39e-05	6.11e-04
14	304	550.00	9.32	0.31	1.70e-05	11.07	-2.54e-05	6.19e-04
14	304	600.00	10.36	0.31	1.70e-05	11.22	-1.70e-05	6.12e-04
14	304	650.00	11.40	0.31	1.70e-05	11.37	-8.48e-06	5.73e-04
14	304	700.00	12.25	-0.99	1.70e-05	10.77	0.0	3.19e-04
14	306	340.00	4.63	1.69	0.76	4.89	0.0	-4.72e-03
14	306	393.33	4.63	1.69	0.76	5.79	0.41	-2.03e-03
14	306	446.67	6.27	1.94	0.55	7.41	0.70	-4.74e-03
14	306	500.00	8.41	1.10	0.25	9.57	0.84	-7.49e-05
14	306	550.00	9.48	1.10	-0.02	10.12	0.83	1.57e-03
14	306	600.00	10.52	1.10	-0.29	10.67	0.68	2.10e-03
14	306	650.00	11.57	1.10	-0.55	11.22	0.41	2.33e-03
14	306	700.00	12.41	-0.58	-0.82	10.84	0.0	2.58e-03
14	309	340.00	4.60	1.68	-2.22e-04	5.00	0.0	3.08e-04
14	309	393.33	4.60	1.68	-2.22e-04	5.90	-1.19e-04	5.97e-04
14	309	446.67	6.23	1.93	1.03e-04	7.53	-6.35e-05	5.18e-04
14	309	500.00	8.36	1.06	8.49e-06	9.70	-1.70e-05	5.08e-04
14	309	550.00	9.44	1.06	8.49e-06	10.23	-1.27e-05	5.10e-04
14	309	600.00	10.48	1.06	8.49e-06	10.76	-8.49e-06	5.03e-04
14	309	650.00	11.52	1.06	8.49e-06	11.29	-4.25e-06	4.71e-04
14	309	700.00	12.37	-0.61	8.49e-06	10.90	0.0	2.58e-04
14	310	340.00	14.36	2.77	-3.34e-04	6.44	0.0	5.15e-04
14	310	393.33	14.36	2.77	-3.34e-04	7.92	-1.78e-04	9.32e-04
14	310	446.67	16.59	3.15	1.67e-04	10.59	-8.93e-05	8.27e-04
14	310	500.00	19.65	1.86	9.10e-06	13.91	-1.82e-05	8.08e-04

14	310	550.00	20.72	1.86	9.10e-06	14.84	-1.36e-05	8.08e-04
14	310	600.00	21.77	1.86	9.10e-06	15.77	-9.10e-06	7.97e-04
14	310	650.00	22.81	1.86	9.10e-06	16.70	-4.55e-06	7.42e-04
14	310	700.00	23.44	-1.12	9.10e-06	16.07	0.0	3.98e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-2.85	-119.45	-6.13	-235.84	-0.52	-0.05
	51.27	123.17	5.73	263.66	6.28	0.05

Macro	Tipo	Angolo 1-Z (gradi)
15	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
15	18	0.0	-50.27	0.51	2.26	-27.91	0.0	0.10
15	18	50.00	-50.27	0.51	2.26	-28.16	1.13	0.15
15	18	100.00	-45.60	0.53	1.46	-24.38	1.86	0.09
15	18	150.00	-41.84	0.54	0.70	-21.66	2.21	0.03
15	18	200.00	-38.67	0.54	-0.05	-19.64	2.18	-0.03
15	18	250.00	-36.02	0.55	-0.83	-18.24	1.77	-0.08
15	18	295.00	-34.17	0.56	-1.60	-17.68	1.05	-0.12
15	18	340.00	-29.97	0.58	-2.33	-14.30	0.0	-0.10
15	44	0.0	-23.25	-2.73	-4.38	-17.35	0.0	-0.22
15	44	50.00	-23.25	-2.73	-4.38	-15.99	-2.19	-0.35
15	44	100.00	-21.92	-2.72	-2.77	-14.49	-3.57	-0.21
15	44	150.00	-21.08	-2.71	-1.28	-13.59	-4.21	-0.08
15	44	200.00	-20.56	-2.71	0.15	-13.05	-4.14	0.06
15	44	250.00	-20.31	-2.71	1.58	-12.84	-3.34	0.19
15	44	295.00	-20.50	-2.70	3.00	-13.20	-2.00	0.28
15	44	340.00	-18.52	-2.67	4.44	-10.97	0.0	0.24
15	45	0.0	-7.23	-2.25	-4.41	-2.35	0.0	-0.22
15	45	50.00	-7.23	-2.25	-4.41	-1.22	-2.21	-0.34
15	45	100.00	-7.47	-2.26	-2.80	-1.48	-3.61	-0.21
15	45	150.00	-7.79	-2.26	-1.30	-1.84	-4.26	-0.08
15	45	200.00	-8.14	-2.26	0.14	-2.22	-4.19	0.06
15	45	250.00	-8.51	-2.26	1.60	-2.63	-3.39	0.19
15	45	295.00	-8.92	-2.25	3.04	-3.14	-2.02	0.27
15	45	340.00	-8.44	-2.24	4.49	-2.56	0.0	0.23
15	67	0.0	-31.32	-8.87	0.04	-47.16	0.0	-8.93e-03
15	67	50.00	-31.32	-8.87	0.04	-42.73	0.02	-0.01
15	67	100.00	-28.23	-8.83	0.05	-36.12	0.04	-0.01
15	67	150.00	-26.13	-8.81	0.04	-30.69	0.06	-6.73e-03
15	67	200.00	-24.65	-8.79	0.02	-25.98	0.07	-5.70e-04
15	67	250.00	-23.70	-8.78	-0.02	-21.90	0.06	6.90e-03
15	67	295.00	-23.42	-8.77	-0.07	-19.00	0.03	0.01
15	67	340.00	-20.85	-8.74	-0.07	-13.33	0.0	0.01
15	113	0.0	-66.09	-42.47	0.13	-176.11	0.03	0.03
15	113	50.00	-66.09	-42.47	0.13	-175.93	0.04	0.02
15	113	100.00	-36.87	-42.39	0.21	-167.10	0.12	0.02
15	113	150.00	-35.34	-36.81	0.24	-143.68	0.23	0.01
15	113	200.00	-34.48	-36.74	0.16	-121.06	0.32	0.01
15	113	250.00	-34.21	-36.70	-0.02	-99.34	0.35	0.02
15	113	295.00	-34.97	-36.70	-0.30	-79.52	0.28	0.05
15	113	340.00	-33.82	-36.90	-0.52	-60.45	0.10	0.05
15	122	0.0	-198.72	34.60	0.25	-15.78	0.05	8.89e-04
15	122	50.00	-198.72	34.60	0.25	-15.60	0.07	-4.43e-03
15	122	100.00	-182.46	34.64	0.31	-14.93	0.21	-1.23e-03
15	122	150.00	-166.62	34.66	0.32	-14.80	0.37	-0.02
15	122	200.00	-151.13	34.65	0.21	-15.15	0.50	-0.02
15	122	250.00	-136.32	34.62	-0.04	-16.32	0.55	-9.47e-03
15	122	295.00	-123.38	34.59	-0.43	-18.77	0.44	-1.18e-04
15	122	340.00	-111.76	34.57	-0.77	-18.61	0.17	0.01
15	123	0.0	141.28	-35.33	-0.19	-14.58	-0.05	-0.01
15	123	50.00	141.28	-35.33	-0.19	-14.39	-0.04	-0.02
15	123	100.00	129.89	-35.35	-0.25	-11.19	-0.15	-0.01
15	123	150.00	117.94	-35.36	-0.27	-8.61	-0.28	0.01
15	123	200.00	105.69	-35.34	-0.19	-6.32	-0.41	0.02
15	123	250.00	93.56	-35.31	9.56e-03	-3.86	-0.47	0.02
15	123	295.00	82.42	-35.26	0.34	-1.08	-0.39	0.02
15	123	340.00	75.53	-35.22	0.68	2.62	-0.17	2.92e-03
15	129	0.0	78.92	-90.75	0.01	-268.88	-3.93e-03	0.03
15	129	50.00	78.92	-90.75	0.01	-268.70	0.01	0.02

15	129	100.00	79.66	-90.51	0.08	-237.29	0.02	0.02
15	129	150.00	71.47	-88.62	0.11	-202.42	0.06	0.02
15	129	200.00	62.65	-88.37	0.09	-168.46	0.09	0.02
15	129	250.00	53.35	-88.14	5.91e-03	-135.29	0.09	0.03
15	129	295.00	43.67	-87.93	-0.12	-104.27	0.08	0.04
15	129	340.00	36.22	-87.83	-0.18	-74.46	6.67e-03	0.04
15	145	0.0	-70.24	-48.05	0.14	-196.98	0.03	0.03
15	145	50.00	-70.24	-48.05	0.14	-196.80	0.04	0.02
15	145	100.00	-37.64	-47.96	0.23	-187.06	0.13	0.02
15	145	150.00	-36.22	-41.67	0.26	-160.77	0.25	0.01
15	145	200.00	-35.51	-41.60	0.18	-135.33	0.35	0.02
15	145	250.00	-35.43	-41.55	-0.02	-110.86	0.39	0.02
15	145	295.00	-36.44	-41.56	-0.34	-88.48	0.32	0.06
15	145	340.00	-35.50	-41.78	-0.58	-67.17	0.11	0.06
15	161	0.0	93.47	-102.77	0.01	-302.51	-4.79e-03	0.03
15	161	50.00	93.47	-102.77	0.01	-302.33	0.01	0.03
15	161	100.00	93.94	-102.50	0.09	-266.99	0.01	0.03
15	161	150.00	84.38	-100.37	0.12	-227.69	0.06	0.02
15	161	200.00	74.16	-100.09	0.10	-189.35	0.09	0.02
15	161	250.00	63.42	-99.83	8.63e-03	-151.86	0.10	0.03
15	161	295.00	52.34	-99.59	-0.13	-116.75	0.09	0.04
15	161	340.00	43.56	-99.48	-0.19	-83.23	7.56e-03	0.04
15	166	0.0	-220.80	99.60	0.16	217.59	0.03	-0.03
15	166	50.00	-220.80	99.60	0.16	217.77	0.05	-0.04
15	166	100.00	-202.67	99.38	0.13	188.20	0.14	-0.03
15	166	150.00	-184.70	99.14	0.10	158.64	0.20	-0.03
15	166	200.00	-166.82	98.90	0.03	129.13	0.25	-0.02
15	166	250.00	-149.23	98.64	-0.05	99.43	0.26	-0.02
15	166	295.00	-132.84	98.39	-0.18	70.42	0.18	-0.01
15	166	340.00	-116.64	98.23	-0.31	45.95	0.08	-7.90e-03
15	167	0.0	163.36	-100.33	-0.10	-247.95	-0.03	0.02
15	167	50.00	163.36	-100.33	-0.10	-247.77	-0.02	0.02
15	167	100.00	150.11	-100.09	-0.07	-214.32	-0.08	0.02
15	167	150.00	136.01	-99.84	-0.05	-182.06	-0.11	0.02
15	167	200.00	121.38	-99.59	-0.01	-150.59	-0.15	0.02
15	167	250.00	106.47	-99.32	0.02	-119.61	-0.18	0.03
15	167	295.00	91.89	-99.07	0.09	-90.27	-0.14	0.03
15	167	340.00	80.41	-98.88	0.21	-61.94	-0.08	0.02
15	177	0.0	-66.87	-49.68	0.14	-200.59	0.03	0.03
15	177	50.00	-66.87	-49.68	0.14	-200.40	0.04	0.02
15	177	100.00	-34.20	-49.61	0.22	-190.37	0.12	0.02
15	177	150.00	-33.13	-43.28	0.26	-163.55	0.24	0.01
15	177	200.00	-32.76	-43.24	0.18	-137.57	0.34	0.02
15	177	250.00	-33.02	-43.22	-0.02	-112.55	0.38	0.02
15	177	295.00	-34.29	-43.23	-0.33	-89.65	0.31	0.06
15	177	340.00	-33.64	-43.46	-0.56	-67.79	0.11	0.06
15	193	0.0	99.48	-106.62	2.57e-03	-312.65	-6.95e-03	0.03
15	193	50.00	99.48	-106.62	2.57e-03	-312.47	8.48e-03	0.03
15	193	100.00	99.56	-106.34	0.08	-275.86	0.01	0.03
15	193	150.00	89.48	-104.19	0.12	-235.21	0.05	0.02
15	193	200.00	78.72	-103.92	0.10	-195.54	0.09	0.02
15	193	250.00	67.45	-103.65	9.01e-03	-156.71	0.10	0.03
15	193	295.00	55.91	-103.40	-0.12	-120.37	0.09	0.04
15	193	340.00	46.61	-103.29	-0.19	-85.61	7.88e-03	0.04
15	198	0.0	-225.59	103.23	0.16	227.90	0.03	-0.03
15	198	50.00	-225.59	103.23	0.16	228.08	0.05	-0.04
15	198	100.00	-207.08	103.00	0.13	197.16	0.14	-0.03
15	198	150.00	-188.70	102.76	0.10	166.26	0.20	-0.03
15	198	200.00	-170.39	102.50	0.03	135.43	0.24	-0.02
15	198	250.00	-152.37	102.23	-0.05	104.41	0.26	-0.02
15	198	295.00	-135.61	101.98	-0.17	74.20	0.18	-0.01
15	198	340.00	-118.95	101.81	-0.30	48.53	0.08	-8.32e-03
15	199	0.0	168.15	-103.96	-0.10	-258.26	-0.03	0.02
15	199	50.00	168.15	-103.96	-0.10	-258.07	-0.02	0.02
15	199	100.00	154.51	-103.71	-0.07	-223.28	-0.08	0.02
15	199	150.00	140.01	-103.46	-0.05	-189.68	-0.11	0.02
15	199	200.00	124.95	-103.19	-0.01	-156.89	-0.15	0.02
15	199	250.00	109.61	-102.92	0.02	-124.59	-0.17	0.03
15	199	295.00	94.66	-102.65	0.09	-94.04	-0.14	0.03
15	199	340.00	82.73	-102.45	0.20	-64.52	-0.08	0.02
15	209	0.0	-71.30	-59.65	0.15	-236.16	0.03	0.04
15	209	50.00	-71.30	-59.65	0.15	-235.98	0.05	0.03
15	209	100.00	-33.17	-59.58	0.26	-224.31	0.14	0.03
15	209	150.00	-32.49	-52.07	0.30	-192.57	0.27	0.02
15	209	200.00	-32.60	-52.04	0.20	-161.76	0.39	0.02

15	209	250.00	-33.39	-52.03	-0.02	-132.01	0.44	0.03
15	209	295.00	-35.25	-52.05	-0.37	-104.70	0.36	0.06
15	209	340.00	-35.11	-52.32	-0.65	-78.93	0.13	0.07
15	225	0.0	126.68	-128.39	-6.31e-03	-373.10	-9.18e-03	0.04
15	225	50.00	126.68	-128.39	-6.31e-03	-372.91	6.25e-03	0.04
15	225	100.00	126.07	-128.06	0.09	-329.18	4.64e-03	0.03
15	225	150.00	113.46	-125.50	0.13	-280.54	0.06	0.03
15	225	200.00	100.11	-125.18	0.12	-233.00	0.10	0.02
15	225	250.00	86.19	-124.86	0.01	-186.40	0.10	0.03
15	225	295.00	72.08	-124.56	-0.14	-142.71	0.10	0.05
15	225	340.00	60.32	-124.42	-0.21	-101.23	9.35e-03	0.05
15	230	0.0	-263.99	124.36	0.19	278.89	0.04	-0.04
15	230	50.00	-263.99	124.36	0.19	279.08	0.05	-0.04
15	230	100.00	-242.34	124.08	0.14	241.29	0.16	-0.04
15	230	150.00	-220.74	123.78	0.11	203.65	0.22	-0.04
15	230	200.00	-199.17	123.47	0.04	166.16	0.27	-0.03
15	230	250.00	-177.87	123.15	-0.05	128.53	0.29	-0.02
15	230	295.00	-158.01	122.84	-0.20	91.99	0.20	-0.02
15	230	340.00	-138.50	122.63	-0.34	60.55	0.09	-0.01
15	231	0.0	206.55	-125.09	-0.13	-309.25	-0.04	0.03
15	231	50.00	206.55	-125.09	-0.13	-309.07	-0.02	0.02
15	231	100.00	189.78	-124.79	-0.08	-267.41	-0.10	0.02
15	231	150.00	172.06	-124.48	-0.06	-227.07	-0.14	0.03
15	231	200.00	153.74	-124.16	-0.02	-187.62	-0.18	0.03
15	231	250.00	135.12	-123.84	0.02	-148.71	-0.21	0.03
15	231	295.00	117.05	-123.52	0.11	-111.84	-0.16	0.03
15	231	340.00	102.28	-123.28	0.24	-76.55	-0.09	0.03
15	251	0.0	-36.59	0.34	1.51	-19.47	0.0	0.06
15	251	50.00	-36.59	0.34	1.51	-19.64	0.76	0.10
15	251	100.00	-33.25	0.35	0.97	-16.99	1.24	0.06
15	251	150.00	-30.54	0.36	0.47	-15.10	1.47	0.02
15	251	200.00	-28.25	0.36	-0.03	-13.69	1.46	-0.02
15	251	250.00	-26.33	0.36	-0.55	-12.72	1.18	-0.06
15	251	295.00	-24.97	0.37	-1.07	-12.34	0.70	-0.08
15	251	340.00	-21.94	0.39	-1.55	-9.94	0.0	-0.07
15	261	0.0	-13.77	-1.56	-2.93	-5.41	0.0	-0.15
15	261	50.00	-13.77	-1.56	-2.93	-4.64	-1.47	-0.23
15	261	100.00	-13.22	-1.55	-1.86	-4.31	-2.40	-0.14
15	261	150.00	-12.85	-1.55	-0.86	-4.20	-2.83	-0.05
15	261	200.00	-12.58	-1.55	0.10	-4.21	-2.78	0.04
15	261	250.00	-12.40	-1.55	1.06	-4.33	-2.25	0.13
15	261	295.00	-12.36	-1.55	2.02	-4.63	-1.34	0.18
15	261	340.00	-11.33	-1.54	2.98	-3.72	0.0	0.16
15	264	0.0	-18.58	-1.82	-2.92	-12.44	0.0	-0.15
15	264	50.00	-18.58	-1.82	-2.92	-11.53	-1.46	-0.23
15	264	100.00	-17.46	-1.81	-1.84	-10.40	-2.38	-0.14
15	264	150.00	-16.70	-1.81	-0.85	-9.72	-2.81	-0.05
15	264	200.00	-16.18	-1.81	0.10	-9.30	-2.76	0.04
15	264	250.00	-15.86	-1.81	1.05	-9.12	-2.23	0.13
15	264	295.00	-15.85	-1.80	2.00	-9.36	-1.33	0.19
15	264	340.00	-14.30	-1.78	2.95	-7.72	0.0	0.16
15	275	0.0	-23.95	-5.91	0.03	-32.31	0.0	-6.25e-03
15	275	50.00	-23.95	-5.91	0.03	-29.35	0.01	-0.01
15	275	100.00	-21.67	-5.89	0.03	-24.82	0.03	-7.80e-03
15	275	150.00	-20.07	-5.87	0.03	-21.12	0.04	-4.67e-03
15	275	200.00	-18.91	-5.86	0.01	-17.92	0.05	-3.67e-04
15	275	250.00	-18.12	-5.86	-0.01	-15.16	0.04	4.84e-03
15	275	295.00	-17.81	-5.85	-0.05	-13.22	0.02	8.95e-03
15	275	340.00	-15.86	-5.82	-0.05	-9.30	0.0	7.54e-03
15	303	0.0	-29.92	-0.22	0.33	-15.65	0.0	8.06e-03
15	303	50.00	-29.92	-0.22	0.33	-15.54	0.16	0.01
15	303	100.00	-27.33	-0.21	0.22	-13.50	0.27	6.33e-03
15	303	150.00	-25.26	-0.20	0.11	-12.07	0.33	9.65e-04
15	303	200.00	-23.52	-0.20	1.48e-03	-11.03	0.33	-3.98e-03
15	303	250.00	-22.08	-0.20	-0.12	-10.33	0.27	-7.39e-03
15	303	295.00	-21.08	-0.19	-0.25	-10.12	0.16	-8.98e-03
15	303	340.00	-18.62	-0.18	-0.35	-8.15	0.0	-8.29e-03
15	304	0.0	-23.38	-0.41	-0.57	-9.17	0.0	-0.03
15	304	50.00	-23.38	-0.41	-0.57	-8.96	-0.29	-0.05
15	304	100.00	-21.64	-0.40	-0.36	-7.82	-0.46	-0.03
15	304	150.00	-20.23	-0.40	-0.16	-7.07	-0.54	-0.01
15	304	200.00	-19.02	-0.40	0.02	-6.56	-0.53	8.46e-03
15	304	250.00	-17.99	-0.39	0.20	-6.25	-0.43	0.03
15	304	295.00	-17.23	-0.39	0.38	-6.22	-0.26	0.04
15	304	340.00	-15.40	-0.38	0.57	-4.90	0.0	0.03

15	305	0.0	-26.32	-0.65	-0.56	-14.24	0.0	-0.03
15	305	50.00	-26.32	-0.65	-0.56	-13.91	-0.28	-0.05
15	305	100.00	-24.18	-0.64	-0.34	-12.18	-0.45	-0.03
15	305	150.00	-22.50	-0.64	-0.15	-10.99	-0.53	-0.01
15	305	200.00	-21.11	-0.64	0.03	-10.15	-0.51	8.53e-03
15	305	250.00	-19.98	-0.63	0.20	-9.61	-0.41	0.03
15	305	295.00	-19.26	-0.63	0.37	-9.53	-0.25	0.04
15	305	340.00	-17.10	-0.61	0.55	-7.70	0.0	0.04
15	307	0.0	-27.67	-1.47	0.03	-18.44	0.0	-6.10e-03
15	307	50.00	-27.67	-1.47	0.03	-17.70	0.01	-9.90e-03
15	307	100.00	-25.27	-1.45	0.03	-15.27	0.03	-7.14e-03
15	307	150.00	-23.41	-1.45	0.02	-13.46	0.04	-4.01e-03
15	307	200.00	-21.89	-1.44	0.01	-12.05	0.05	7.83e-05
15	307	250.00	-20.66	-1.44	-0.01	-10.99	0.04	4.87e-03
15	307	295.00	-19.87	-1.43	-0.04	-10.47	0.02	8.57e-03
15	307	340.00	-17.61	-1.42	-0.05	-8.17	0.0	7.10e-03
15	309	0.0	-25.78	-0.12	0.02	-10.10	0.0	-3.74e-03
15	309	50.00	-25.78	-0.12	0.02	-10.04	9.28e-03	-6.07e-03
15	309	100.00	-23.75	-0.11	0.02	-8.70	0.02	-4.34e-03
15	309	150.00	-22.07	-0.11	0.01	-7.79	0.03	-2.39e-03
15	309	200.00	-20.63	-0.11	5.96e-03	-7.14	0.03	1.18e-04
15	309	250.00	-19.39	-0.11	-9.83e-03	-6.73	0.02	2.99e-03
15	309	295.00	-18.44	-0.10	-0.03	-6.62	0.01	5.15e-03
15	309	340.00	-16.42	-0.09	-0.03	-5.20	0.0	4.13e-03
15	310	0.0	-28.72	-0.37	0.03	-15.18	0.0	-6.16e-03
15	310	50.00	-28.72	-0.37	0.03	-15.00	0.02	-9.98e-03
15	310	100.00	-26.28	-0.36	0.03	-13.06	0.03	-7.09e-03
15	310	150.00	-24.34	-0.35	0.02	-11.71	0.04	-3.90e-03
15	310	200.00	-22.72	-0.35	0.01	-10.73	0.05	1.93e-04
15	310	250.00	-21.38	-0.34	-0.02	-10.09	0.04	4.95e-03
15	310	295.00	-20.48	-0.34	-0.04	-9.92	0.02	8.61e-03
15	310	340.00	-18.11	-0.32	-0.05	-8.00	0.0	7.12e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-263.99	-128.39	-4.41	-373.10	-4.26	-0.35
			206.55	124.36	4.49	279.08	2.21	0.28

Macro	Tipo	Angolo 1-Z (gradi)
16	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
16	4	0.0	-68.90	-0.96	0.04	-5.13	0.0	8.47e-03
16	4	50.00	-68.90	-0.96	0.04	-4.65	0.02	0.01
16	4	100.00	-73.71	-0.95	0.03	-2.42	0.03	9.88e-03
16	4	150.00	-75.94	-0.92	0.03	-1.08	0.05	8.81e-03
16	4	200.00	-77.23	-0.90	0.05	-0.07	0.08	6.83e-03
16	4	250.00	-78.36	-0.93	0.09	0.90	0.12	2.00e-04
16	4	295.00	-78.04	-1.00	-0.12	1.35	0.07	-0.03
16	4	340.00	-53.15	-1.03	-0.13	-7.70	8.15e-04	-0.02
16	19	0.0	-23.29	-0.18	0.01	-1.67	0.0	3.16e-03
16	19	50.00	-23.29	-0.18	0.01	-1.58	5.86e-03	4.81e-03
16	19	100.00	-24.91	-0.18	0.01	-0.85	0.01	4.39e-03
16	19	150.00	-25.65	-0.17	0.02	-0.42	0.02	4.18e-03
16	19	200.00	-26.09	-0.16	0.02	-0.10	0.03	3.46e-03
16	19	250.00	-26.48	-0.16	0.04	0.21	0.05	7.32e-04
16	19	295.00	-26.38	-0.18	-0.05	0.34	0.03	-0.01
16	19	340.00	-18.22	-0.19	-0.06	-2.66	4.36e-04	-0.01
16	52	0.0	-75.51	-2.03	0.03	-6.83	0.0	7.83e-03
16	52	50.00	-75.51	-2.03	0.03	-5.81	0.02	0.01
16	52	100.00	-79.72	-1.95	0.03	-3.28	0.03	8.85e-03
16	52	150.00	-81.27	-1.89	0.03	-1.69	0.05	7.96e-03
16	52	200.00	-81.83	-1.86	0.05	-0.45	0.07	6.25e-03
16	52	250.00	-82.20	-1.88	0.08	0.74	0.11	1.25e-04
16	52	295.00	-81.13	-1.95	-0.11	1.36	0.06	-0.03
16	52	340.00	-54.48	-1.99	-0.12	-7.88	7.38e-04	-0.02
16	68	0.0	-70.33	-2.51	0.03	-7.21	0.0	6.45e-03
16	68	50.00	-70.33	-2.51	0.03	-5.95	0.01	9.36e-03
16	68	100.00	-73.51	-2.41	0.02	-3.55	0.03	7.49e-03
16	68	150.00	-74.33	-2.32	0.03	-1.99	0.04	6.95e-03
16	68	200.00	-74.27	-2.28	0.04	-0.74	0.06	5.66e-03
16	68	250.00	-74.03	-2.30	0.07	0.44	0.10	4.59e-04

16	68	295.00	-72.54	-2.36	-0.09	1.11	0.05	-0.02
16	68	340.00	-48.30	-2.39	-0.10	-7.00	6.84e-04	-0.02
16	125	0.0	-40.78	-4.10	0.02	-8.63	0.0	-8.61e-03
16	125	50.00	-40.78	-4.10	0.02	-8.35	9.46e-03	-3.96e-03
16	125	100.00	-39.87	-3.83	0.08	-6.59	0.03	-4.12e-03
16	125	150.00	-37.86	-3.64	0.11	-5.32	0.07	0.03
16	125	200.00	-35.65	-3.52	0.27	-4.19	0.17	0.06
16	125	250.00	-32.84	-3.43	0.68	-3.32	0.40	0.06
16	125	295.00	-31.53	-3.52	-0.46	-2.20	0.49	-0.07
16	125	340.00	-20.71	-3.40	-0.74	-4.89	0.12	-0.11
16	137	0.0	-135.37	-16.85	6.00e-03	-26.55	-3.44e-03	2.13e-04
16	137	50.00	-135.37	-16.85	6.00e-03	-26.27	6.02e-03	2.37e-03
16	137	100.00	-127.87	-15.79	0.02	-20.54	9.31e-03	0.01
16	137	150.00	-118.24	-15.12	0.05	-16.09	0.02	0.02
16	137	200.00	-100.97	-14.81	0.12	-10.72	0.07	0.03
16	137	250.00	-91.43	-14.65	0.31	-7.58	0.17	0.03
16	137	295.00	-84.84	-14.54	-0.19	-4.19	0.20	-0.03
16	137	340.00	-65.25	-14.27	-0.32	-5.74	0.04	-0.05
16	142	0.0	65.72	14.88	0.03	19.27	3.79e-03	3.22e-03
16	142	50.00	65.72	14.88	0.03	19.55	0.01	5.66e-03
16	142	100.00	54.59	13.90	0.04	16.29	0.03	-1.15e-03
16	142	150.00	43.72	13.31	0.03	13.34	0.05	5.54e-03
16	142	200.00	32.67	13.05	0.05	10.68	0.07	6.09e-03
16	142	250.00	21.38	12.88	0.08	8.22	0.11	2.74e-03
16	142	295.00	14.08	12.67	-0.12	5.16	0.09	-0.02
16	142	340.00	18.88	12.38	-0.13	-2.74	0.02	-0.02
16	143	0.0	-143.04	-16.01	5.66e-03	-25.02	-3.79e-03	5.35e-03
16	143	50.00	-143.04	-16.01	5.66e-03	-24.73	5.67e-03	6.58e-03
16	143	100.00	-137.09	-15.01	-0.01	-18.97	3.68e-03	0.01
16	143	150.00	-128.50	-14.39	1.48e-03	-14.52	-3.86e-04	2.56e-03
16	143	200.00	-118.67	-14.11	2.34e-03	-10.73	8.47e-03	-7.89e-05
16	143	250.00	-108.41	-13.97	-2.13e-03	-7.19	6.49e-03	-3.28e-03
16	143	295.00	-100.56	-13.83	8.01e-03	-3.61	-0.03	-7.38e-03
16	143	340.00	-77.63	-13.59	0.01	-5.73	-0.02	-2.59e-03
16	157	0.0	-41.25	-4.57	0.02	-9.39	-4.84e-05	-0.01
16	157	50.00	-41.25	-4.57	0.02	-9.11	9.41e-03	-5.18e-03
16	157	100.00	-39.90	-4.27	0.09	-7.28	0.03	-5.19e-03
16	157	150.00	-37.47	-4.05	0.12	-5.94	0.07	0.04
16	157	200.00	-34.89	-3.92	0.30	-4.73	0.18	0.07
16	157	250.00	-31.65	-3.81	0.76	-3.82	0.45	0.07
16	157	295.00	-30.18	-3.91	-0.51	-2.58	0.55	-0.07
16	157	340.00	-19.72	-3.77	-0.82	-4.98	0.14	-0.13
16	169	0.0	-148.10	-18.98	4.22e-03	-29.66	-3.90e-03	-2.54e-04
16	169	50.00	-148.10	-18.98	4.22e-03	-29.38	5.56e-03	1.93e-03
16	169	100.00	-139.28	-17.78	0.02	-23.06	8.24e-03	0.01
16	169	150.00	-128.24	-17.04	0.05	-18.13	0.02	0.02
16	169	200.00	-108.65	-16.69	0.13	-12.12	0.07	0.03
16	169	250.00	-97.78	-16.50	0.34	-8.64	0.19	0.03
16	169	295.00	-90.35	-16.37	-0.21	-4.84	0.22	-0.04
16	169	340.00	-69.99	-16.07	-0.35	-5.94	0.04	-0.06
16	174	0.0	79.38	16.91	0.03	22.18	4.29e-03	3.07e-03
16	174	50.00	79.38	16.91	0.03	22.46	0.01	5.59e-03
16	174	100.00	67.12	15.80	0.05	18.61	0.03	-1.88e-03
16	174	150.00	54.98	15.13	0.03	15.17	0.05	5.67e-03
16	174	200.00	42.55	14.83	0.05	12.09	0.07	6.38e-03
16	174	250.00	29.85	14.64	0.09	9.23	0.11	3.01e-03
16	174	295.00	21.53	14.40	-0.13	5.74	0.09	-0.02
16	174	340.00	25.15	14.08	-0.14	-2.54	0.02	-0.02
16	175	0.0	-156.70	-18.04	3.92e-03	-27.93	-4.29e-03	5.50e-03
16	175	50.00	-156.70	-18.04	3.92e-03	-27.64	5.17e-03	6.65e-03
16	175	100.00	-149.62	-16.91	-0.02	-21.29	1.97e-03	0.01
16	175	150.00	-139.75	-16.21	-3.11e-04	-16.36	-3.58e-03	2.43e-03
16	175	200.00	-128.55	-15.89	-2.31e-05	-12.14	4.88e-03	-3.64e-04
16	175	250.00	-116.87	-15.73	-6.41e-03	-8.21	5.49e-04	-3.55e-03
16	175	295.00	-108.01	-15.57	0.02	-4.20	-0.03	-6.71e-03
16	175	340.00	-83.89	-15.29	0.02	-5.92	-0.02	-1.69e-03
16	189	0.0	-42.63	-4.73	0.02	-9.62	-4.07e-04	-9.72e-03
16	189	50.00	-42.63	-4.73	0.02	-9.33	9.05e-03	-4.75e-03
16	189	100.00	-41.21	-4.41	0.08	-7.45	0.03	-4.93e-03
16	189	150.00	-38.69	-4.19	0.12	-6.06	0.07	0.04
16	189	200.00	-36.01	-4.05	0.30	-4.83	0.18	0.07
16	189	250.00	-32.67	-3.95	0.75	-3.87	0.44	0.07
16	189	295.00	-31.08	-4.05	-0.50	-2.60	0.54	-0.07
16	189	340.00	-20.45	-3.91	-0.81	-4.98	0.13	-0.12
16	201	0.0	-151.13	-19.46	3.30e-03	-30.36	-4.11e-03	1.01e-04

16	201	50.00	-151.13	-19.46	3.30e-03	-30.08	5.35e-03	2.25e-03
16	201	100.00	-142.03	-18.23	0.02	-23.63	7.60e-03	0.01
16	201	150.00	-130.70	-17.46	0.05	-18.57	0.02	0.02
16	201	200.00	-110.72	-17.10	0.13	-12.45	0.07	0.03
16	201	250.00	-99.56	-16.91	0.34	-8.88	0.19	0.03
16	201	295.00	-91.83	-16.77	-0.20	-4.99	0.22	-0.03
16	201	340.00	-71.22	-16.46	-0.35	-5.96	0.04	-0.06
16	206	0.0	82.12	17.35	0.03	22.84	4.36e-03	2.93e-03
16	206	50.00	82.12	17.35	0.03	23.12	0.01	5.46e-03
16	206	100.00	69.59	16.21	0.05	19.15	0.03	-1.80e-03
16	206	150.00	57.15	15.52	0.03	15.61	0.05	5.30e-03
16	206	200.00	44.40	15.21	0.05	12.43	0.07	5.69e-03
16	206	250.00	31.37	15.02	0.08	9.49	0.11	2.26e-03
16	206	295.00	22.73	14.78	-0.13	5.90	0.09	-0.02
16	206	340.00	26.11	14.45	-0.13	-2.52	0.02	-0.02
16	207	0.0	-159.43	-18.48	3.59e-03	-28.59	-4.36e-03	5.64e-03
16	207	50.00	-159.43	-18.48	3.59e-03	-28.30	5.10e-03	6.77e-03
16	207	100.00	-152.09	-17.32	-0.02	-21.83	1.86e-03	0.01
16	207	150.00	-141.92	-16.60	-1.88e-04	-16.79	-3.51e-03	2.80e-03
16	207	200.00	-130.40	-16.27	2.25e-03	-12.48	4.88e-03	3.23e-04
16	207	250.00	-118.40	-16.11	1.48e-04	-8.46	3.25e-03	-2.80e-03
16	207	295.00	-109.21	-15.94	0.01	-4.36	-0.03	-6.98e-03
16	207	340.00	-84.86	-15.65	0.02	-5.94	-0.02	-2.55e-03
16	221	0.0	-44.21	-5.55	0.01	-10.93	-4.68e-04	-0.01
16	221	50.00	-44.21	-5.55	0.01	-10.64	8.99e-03	-6.56e-03
16	221	100.00	-42.06	-5.17	0.09	-8.61	0.03	-6.51e-03
16	221	150.00	-38.85	-4.91	0.14	-7.09	0.08	0.04
16	221	200.00	-35.54	-4.75	0.34	-5.71	0.20	0.08
16	221	250.00	-31.46	-4.63	0.86	-4.66	0.50	0.08
16	221	295.00	-29.59	-4.74	-0.57	-3.19	0.62	-0.08
16	221	340.00	-19.40	-4.57	-0.93	-5.11	0.15	-0.14
16	230	0.0	106.43	20.64	0.06	27.48	9.17e-03	-6.81e-03
16	230	50.00	106.43	20.64	0.06	27.76	0.02	-3.64e-03
16	230	100.00	92.28	19.29	0.05	22.77	0.03	-5.38e-03
16	230	150.00	77.88	18.49	0.07	18.40	0.06	4.76e-03
16	230	200.00	62.93	18.12	0.06	14.52	0.10	7.43e-03
16	230	250.00	47.46	17.90	0.13	10.96	0.13	3.87e-03
16	230	295.00	36.44	17.63	-0.16	6.86	0.12	-0.03
16	230	340.00	38.52	17.21	-0.17	-2.20	0.03	-0.03
16	231	0.0	-183.74	-21.77	-0.03	-33.23	-9.17e-03	0.02
16	231	50.00	-183.74	-21.77	-0.03	-32.95	2.90e-04	0.02
16	231	100.00	-174.78	-20.40	-0.02	-25.45	1.95e-03	0.01
16	231	150.00	-162.66	-19.57	-0.03	-19.58	-8.43e-03	3.34e-03
16	231	200.00	-148.93	-19.19	-0.01	-14.57	-0.03	-1.42e-03
16	231	250.00	-134.49	-18.99	-0.05	-9.93	-0.01	-4.41e-03
16	231	295.00	-122.92	-18.79	0.04	-5.32	-0.05	5.13e-03
16	231	340.00	-97.27	-18.41	0.05	-6.26	-0.02	5.65e-03
16	233	0.0	-172.52	-23.05	2.75e-04	-35.58	-4.90e-03	-5.67e-04
16	233	50.00	-172.52	-23.05	2.75e-04	-35.30	4.56e-03	1.63e-03
16	233	100.00	-161.22	-21.58	0.02	-27.85	5.71e-03	0.01
16	233	150.00	-147.53	-20.67	0.06	-21.98	0.02	0.02
16	233	200.00	-123.70	-20.25	0.15	-14.80	0.08	0.04
16	233	250.00	-110.34	-20.01	0.40	-10.65	0.21	0.04
16	233	295.00	-101.17	-19.85	-0.23	-6.08	0.25	-0.04
16	233	340.00	-79.28	-19.46	-0.40	-6.28	0.05	-0.06
16	244	0.0	-48.35	-0.67	0.02	-3.60	0.0	5.86e-03
16	244	50.00	-48.35	-0.67	0.02	-3.26	0.01	8.49e-03
16	244	100.00	-51.71	-0.66	0.02	-1.70	0.02	6.80e-03
16	244	150.00	-53.25	-0.64	0.02	-0.76	0.03	6.06e-03
16	244	200.00	-54.14	-0.63	0.04	-0.05	0.05	4.68e-03
16	244	250.00	-54.91	-0.65	0.06	0.62	0.08	1.00e-04
16	244	295.00	-54.67	-0.69	-0.08	0.94	0.05	-0.02
16	244	340.00	-37.24	-0.72	-0.09	-5.39	5.53e-04	-0.02
16	248	0.0	-25.63	-0.25	0.01	-1.86	0.0	3.12e-03
16	248	50.00	-25.63	-0.25	0.01	-1.73	6.16e-03	4.64e-03
16	248	100.00	-27.38	-0.25	0.01	-0.92	0.01	4.02e-03
16	248	150.00	-28.17	-0.24	0.01	-0.44	0.02	3.71e-03
16	248	200.00	-28.61	-0.23	0.02	-0.09	0.03	2.98e-03
16	248	250.00	-29.00	-0.23	0.04	0.25	0.05	3.79e-04
16	248	295.00	-28.86	-0.25	-0.05	0.41	0.03	-0.01
16	248	340.00	-19.85	-0.26	-0.05	-2.88	3.59e-04	-9.34e-03
16	268	0.0	-52.76	-1.38	0.02	-4.73	0.0	5.43e-03
16	268	50.00	-52.76	-1.38	0.02	-4.03	0.01	7.81e-03
16	268	100.00	-55.72	-1.33	0.02	-2.27	0.02	6.12e-03
16	268	150.00	-56.80	-1.29	0.02	-1.17	0.03	5.49e-03

16	268	200.00	-57.21	-1.26	0.03	-0.31	0.05	4.30e-03
16	268	250.00	-57.47	-1.28	0.06	0.52	0.08	5.01e-05
16	268	295.00	-56.73	-1.33	-0.08	0.95	0.04	-0.02
16	268	340.00	-38.13	-1.36	-0.08	-5.51	5.02e-04	-0.01
16	276	0.0	-49.31	-1.70	0.02	-4.98	0.0	4.51e-03
16	276	50.00	-49.31	-1.70	0.02	-4.13	9.67e-03	6.53e-03
16	276	100.00	-51.57	-1.63	0.02	-2.45	0.02	5.21e-03
16	276	150.00	-52.18	-1.58	0.02	-1.36	0.03	4.82e-03
16	276	200.00	-52.17	-1.55	0.03	-0.50	0.04	3.90e-03
16	276	250.00	-52.02	-1.56	0.05	0.32	0.07	2.73e-04
16	276	295.00	-51.00	-1.60	-0.07	0.78	0.04	-0.02
16	276	340.00	-34.01	-1.62	-0.07	-4.93	4.66e-04	-0.01
16	298	0.0	-40.63	-0.60	0.02	-3.03	0.0	4.57e-03
16	298	50.00	-40.63	-0.60	0.02	-2.72	0.01	6.52e-03
16	298	100.00	-43.36	-0.59	0.02	-1.41	0.02	4.99e-03
16	298	150.00	-44.56	-0.57	0.02	-0.62	0.03	4.32e-03
16	298	200.00	-45.21	-0.57	0.03	-0.02	0.04	3.22e-03
16	298	250.00	-45.76	-0.58	0.04	0.55	0.06	-2.64e-04
16	298	295.00	-45.48	-0.62	-0.06	0.82	0.03	-0.01
16	298	340.00	-30.88	-0.64	-0.06	-4.45	3.51e-04	-0.01
16	302	0.0	-26.60	-0.32	0.01	-1.95	0.0	2.71e-03
16	302	50.00	-26.60	-0.32	0.01	-1.79	5.90e-03	3.89e-03
16	302	100.00	-28.35	-0.32	9.89e-03	-0.94	0.01	3.05e-03
16	302	150.00	-29.10	-0.31	0.01	-0.44	0.02	2.66e-03
16	302	200.00	-29.50	-0.30	0.02	-0.06	0.02	1.97e-03
16	302	250.00	-29.82	-0.31	0.03	0.29	0.04	-1.68e-04
16	302	295.00	-29.62	-0.33	-0.04	0.46	0.02	-8.50e-03
16	302	340.00	-20.26	-0.34	-0.04	-2.93	2.07e-04	-7.03e-03
16	307	0.0	-39.88	-0.78	0.02	-3.23	0.0	4.25e-03
16	307	50.00	-39.88	-0.78	0.02	-2.84	9.31e-03	6.08e-03
16	307	100.00	-42.34	-0.76	0.01	-1.53	0.02	4.70e-03
16	307	150.00	-43.34	-0.74	0.02	-0.73	0.02	4.12e-03
16	307	200.00	-43.80	-0.72	0.02	-0.12	0.04	3.13e-03
16	307	250.00	-44.16	-0.74	0.04	0.47	0.06	-1.50e-04
16	307	295.00	-43.74	-0.78	-0.06	0.76	0.03	-0.01
16	307	340.00	-29.57	-0.80	-0.06	-4.26	3.46e-04	-0.01
16	309	0.0	-26.84	-0.34	0.01	-1.97	0.0	2.61e-03
16	309	50.00	-26.84	-0.34	0.01	-1.80	5.84e-03	3.70e-03
16	309	100.00	-28.59	-0.34	9.19e-03	-0.95	0.01	2.81e-03
16	309	150.00	-29.34	-0.33	9.59e-03	-0.44	0.02	2.39e-03
16	309	200.00	-29.72	-0.32	0.01	-0.06	0.02	1.72e-03
16	309	250.00	-30.03	-0.33	0.02	0.30	0.03	-3.04e-04
16	309	295.00	-29.82	-0.35	-0.03	0.48	0.02	-7.89e-03
16	309	340.00	-20.36	-0.36	-0.03	-2.94	1.68e-04	-6.46e-03
16	310	0.0	-38.66	-0.56	0.02	-2.88	0.0	4.29e-03
16	310	50.00	-38.66	-0.56	0.02	-2.59	9.46e-03	6.12e-03
16	310	100.00	-41.25	-0.56	0.02	-1.34	0.02	4.68e-03
16	310	150.00	-42.39	-0.54	0.02	-0.59	0.02	4.05e-03
16	310	200.00	-43.00	-0.53	0.02	-0.03	0.04	3.01e-03
16	310	250.00	-43.51	-0.55	0.04	0.51	0.06	-2.70e-04
16	310	295.00	-43.24	-0.58	-0.06	0.77	0.03	-0.01
16	310	340.00	-29.37	-0.60	-0.06	-4.23	3.25e-04	-0.01

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-183.74	-23.05	-0.93	-35.58	-0.05	-0.14
	106.43	20.64	0.86	27.76	0.62	0.08

Macro	Tipo	Angolo 1-Z (gradi)
17	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
17	52	0.0	-26.59	-0.19	0.03	0.55	0.0	-5.83e-03
17	52	50.00	-26.59	-0.19	0.03	0.65	0.02	-8.12e-03
17	52	100.00	-31.58	-0.21	0.01	-0.62	0.02	-4.22e-03
17	52	150.00	-34.71	-0.20	9.04e-03	-1.40	0.03	-2.86e-03
17	52	200.00	-37.03	-0.16	7.42e-03	-2.00	0.03	-1.59e-03
17	52	250.00	-39.09	-0.10	5.51e-03	-2.55	0.03	7.70e-04
17	52	295.00	-41.01	3.96e-03	-8.74e-03	-3.12	0.03	5.61e-03
17	52	340.00	-12.91	0.16	-0.05	5.01	4.39e-04	7.64e-03
17	76	0.0	-29.66	0.61	0.03	2.14	0.0	-5.59e-03
17	76	50.00	-29.66	0.61	0.03	1.84	0.01	-7.81e-03

17	76	100.00	-34.63	0.55	0.01	0.20	0.02	-4.12e-03
17	76	150.00	-37.42	0.53	9.29e-03	-0.86	0.03	-2.91e-03
17	76	200.00	-39.25	0.56	8.14e-03	-1.69	0.03	-1.71e-03
17	76	250.00	-40.72	0.63	6.42e-03	-2.45	0.03	6.40e-04
17	76	295.00	-42.05	0.73	-7.97e-03	-3.19	0.03	5.57e-03
17	76	340.00	-12.61	0.90	-0.05	4.93	4.75e-04	7.72e-03
17	92	0.0	-27.15	0.74	0.03	2.32	0.0	-4.79e-03
17	92	50.00	-27.15	0.74	0.03	1.95	0.01	-6.68e-03
17	92	100.00	-31.53	0.67	0.01	0.41	0.02	-3.50e-03
17	92	150.00	-33.89	0.65	7.94e-03	-0.60	0.02	-2.50e-03
17	92	200.00	-35.34	0.67	7.14e-03	-1.38	0.03	-1.51e-03
17	92	250.00	-36.46	0.73	5.87e-03	-2.11	0.03	4.93e-04
17	92	295.00	-37.45	0.82	-6.39e-03	-2.80	0.03	4.77e-03
17	92	340.00	-11.08	0.97	-0.04	4.38	4.28e-04	6.69e-03
17	93	0.0	-13.23	0.54	9.89e-03	1.54	0.0	-1.85e-03
17	93	50.00	-13.23	0.54	9.89e-03	1.27	4.95e-03	-2.55e-03
17	93	100.00	-15.11	0.50	3.70e-03	0.48	6.80e-03	-1.27e-03
17	93	150.00	-15.98	0.48	2.86e-03	-0.04	8.22e-03	-9.42e-04
17	93	200.00	-16.38	0.49	2.83e-03	-0.44	9.64e-03	-6.17e-04
17	93	250.00	-16.60	0.51	2.76e-03	-0.81	0.01	1.05e-04
17	93	295.00	-16.76	0.55	-1.65e-03	-1.15	0.01	1.79e-03
17	93	340.00	-4.81	0.61	-0.02	1.99	1.96e-04	2.67e-03
17	123	0.0	-51.98	-0.13	0.09	-6.20	0.02	-0.03
17	123	50.00	-51.98	-0.13	0.09	-6.29	0.03	-0.03
17	123	100.00	-47.42	0.16	0.01	-5.35	0.05	-0.02
17	123	150.00	-42.21	0.33	-0.01	-4.28	0.05	-6.28e-03
17	123	200.00	-36.69	0.38	-0.01	-3.16	0.04	4.19e-03
17	123	250.00	-31.02	0.39	-0.01	-2.01	0.03	0.01
17	123	295.00	-24.58	0.36	9.28e-03	-0.80	0.03	0.02
17	123	340.00	-11.83	0.12	0.11	2.86	-6.23e-03	0.03
17	137	0.0	54.15	-9.06	0.04	-11.32	5.88e-03	-4.55e-03
17	137	50.00	54.15	-9.06	0.04	-11.40	0.01	-5.29e-03
17	137	100.00	41.74	-8.50	6.07e-03	-9.94	0.03	-7.29e-04
17	137	150.00	30.64	-8.23	2.34e-03	-8.42	0.03	2.34e-03
17	137	200.00	20.08	-8.17	1.35e-03	-6.89	0.03	1.44e-03
17	137	250.00	9.75	-8.19	-6.85e-03	-5.37	0.03	3.66e-03
17	137	295.00	2.64	-8.21	-0.02	-3.75	0.01	6.30e-03
17	137	340.00	11.59	-8.20	-0.06	2.86	2.77e-03	6.71e-03
17	140	0.0	-87.00	9.41	-6.34e-03	13.17	-5.88e-03	-1.69e-03
17	140	50.00	-87.00	9.41	-6.34e-03	13.08	2.44e-03	-3.38e-03
17	140	100.00	-80.18	8.79	7.84e-03	9.91	-3.37e-03	-3.73e-03
17	140	150.00	-72.28	8.52	7.36e-03	7.30	-1.24e-03	-5.43e-03
17	140	200.00	-63.89	8.49	7.06e-03	4.94	2.72e-03	-3.24e-03
17	140	250.00	-55.34	8.59	0.01	2.65	7.98e-03	-2.96e-03
17	140	295.00	-49.84	8.72	0.01	0.28	0.02	-2.62e-04
17	140	340.00	-26.01	8.89	7.81e-03	2.86	-2.25e-03	1.71e-03
17	155	0.0	-56.28	-0.19	0.10	-7.12	0.02	-0.04
17	155	50.00	-56.28	-0.19	0.10	-7.21	0.03	-0.04
17	155	100.00	-50.82	0.15	0.01	-6.04	0.05	-0.02
17	155	150.00	-44.77	0.33	-0.02	-4.76	0.05	-6.85e-03
17	155	200.00	-38.45	0.40	-0.01	-3.44	0.04	4.83e-03
17	155	250.00	-31.98	0.39	-0.02	-2.10	0.03	0.02
17	155	295.00	-24.67	0.35	0.01	-0.69	0.03	0.03
17	155	340.00	-12.37	0.07	0.12	2.86	-7.01e-03	0.04
17	169	0.0	63.37	-10.27	0.04	-12.93	6.69e-03	-4.77e-03
17	169	50.00	63.37	-10.27	0.04	-13.02	0.02	-5.44e-03
17	169	100.00	49.71	-9.63	5.95e-03	-11.25	0.03	-5.42e-04
17	169	150.00	37.38	-9.33	1.96e-03	-9.46	0.03	2.83e-03
17	169	200.00	25.59	-9.26	9.23e-04	-7.67	0.03	1.75e-03
17	169	250.00	14.03	-9.29	-8.22e-03	-5.89	0.03	4.10e-03
17	169	295.00	6.04	-9.32	-0.02	-4.02	0.01	6.73e-03
17	169	340.00	14.02	-9.32	-0.07	2.86	3.06e-03	7.03e-03
17	172	0.0	-96.23	10.62	-9.48e-03	14.78	-6.69e-03	-1.48e-03
17	172	50.00	-96.23	10.62	-9.48e-03	14.69	1.64e-03	-3.23e-03
17	172	100.00	-88.16	9.93	7.96e-03	11.22	-5.35e-03	-3.92e-03
17	172	150.00	-79.03	9.62	7.73e-03	8.34	-3.24e-03	-5.92e-03
17	172	200.00	-69.40	9.59	7.49e-03	5.72	9.90e-04	-3.55e-03
17	172	250.00	-59.62	9.69	0.02	3.17	6.74e-03	-3.39e-03
17	172	295.00	-53.23	9.83	0.01	0.54	0.02	-6.92e-04
17	172	340.00	-28.44	10.01	0.01	2.86	-2.54e-03	1.39e-03
17	187	0.0	-54.89	-0.32	0.10	-7.21	0.02	-0.04
17	187	50.00	-54.89	-0.32	0.10	-7.29	0.03	-0.03
17	187	100.00	-49.63	0.02	0.01	-6.12	0.05	-0.02
17	187	150.00	-43.78	0.21	-0.02	-4.83	0.05	-6.61e-03
17	187	200.00	-37.66	0.27	-0.01	-3.50	0.04	4.80e-03

17	187	250.00	-31.39	0.27	-0.02	-2.15	0.03	0.02
17	187	295.00	-24.41	0.23	0.01	-0.74	0.03	0.03
17	187	340.00	-12.11	-0.05	0.12	2.86	-6.69e-03	0.04
17	201	0.0	65.23	-10.54	0.04	-13.34	7.02e-03	-4.93e-03
17	201	50.00	65.23	-10.54	0.04	-13.43	0.02	-5.57e-03
17	201	100.00	51.38	-9.89	5.98e-03	-11.59	0.03	-5.34e-04
17	201	150.00	38.84	-9.58	1.64e-03	-9.72	0.03	2.84e-03
17	201	200.00	26.83	-9.51	5.35e-04	-7.87	0.03	1.82e-03
17	201	250.00	15.03	-9.55	-8.68e-03	-6.02	0.03	4.17e-03
17	201	295.00	6.51	-9.58	-0.02	-4.09	0.01	6.75e-03
17	201	340.00	14.34	-9.58	-0.07	2.86	2.87e-03	6.92e-03
17	204	0.0	-98.09	10.89	-0.01	15.19	-7.02e-03	-1.32e-03
17	204	50.00	-98.09	10.89	-0.01	15.11	1.31e-03	-3.10e-03
17	204	100.00	-89.82	10.19	7.93e-03	11.55	-5.66e-03	-3.93e-03
17	204	150.00	-80.49	9.87	8.06e-03	8.60	-3.48e-03	-5.93e-03
17	204	200.00	-70.63	9.83	7.88e-03	5.92	9.56e-04	-3.62e-03
17	204	250.00	-60.61	9.94	0.02	3.30	6.97e-03	-3.46e-03
17	204	295.00	-53.70	10.09	0.02	0.62	0.02	-7.11e-04
17	204	340.00	-28.77	10.27	8.90e-03	2.86	-2.35e-03	1.50e-03
17	219	0.0	-60.51	-0.51	0.11	-8.70	0.02	-0.04
17	219	50.00	-60.51	-0.51	0.11	-8.79	0.03	-0.04
17	219	100.00	-53.99	-0.10	0.01	-7.25	0.06	-0.02
17	219	150.00	-47.00	0.12	-0.02	-5.63	0.06	-7.38e-03
17	219	200.00	-39.78	0.19	-0.02	-4.00	0.04	5.82e-03
17	219	250.00	-32.43	0.18	-0.02	-2.33	0.03	0.02
17	219	295.00	-24.25	0.12	0.01	-0.60	0.03	0.03
17	219	340.00	-12.71	-0.22	0.14	2.86	-7.84e-03	0.04
17	233	0.0	80.64	-12.58	0.05	-16.08	8.43e-03	-5.33e-03
17	233	50.00	80.64	-12.58	0.05	-16.16	0.02	-5.86e-03
17	233	100.00	64.74	-11.80	5.98e-03	-13.81	0.03	-2.41e-04
17	233	150.00	50.15	-11.43	9.73e-04	-11.48	0.04	3.63e-03
17	233	200.00	36.09	-11.36	-2.38e-04	-9.19	0.03	2.33e-03
17	233	250.00	22.23	-11.40	-0.01	-6.91	0.03	4.86e-03
17	233	295.00	12.20	-11.45	-0.03	-4.54	0.01	7.41e-03
17	233	340.00	18.41	-11.47	-0.07	2.86	3.32e-03	7.36e-03
17	236	0.0	-113.50	12.94	-0.02	17.92	-8.43e-03	-9.14e-04
17	236	50.00	-113.50	12.94	-0.02	17.84	-9.98e-05	-2.81e-03
17	236	100.00	-103.18	12.10	7.93e-03	13.77	-9.05e-03	-4.22e-03
17	236	150.00	-91.79	11.72	8.72e-03	10.36	-6.90e-03	-6.72e-03
17	236	200.00	-79.89	11.68	8.65e-03	7.24	-1.98e-03	-4.13e-03
17	236	250.00	-67.82	11.80	0.02	4.19	4.91e-03	-4.15e-03
17	236	295.00	-59.40	11.96	0.02	1.07	0.02	-1.37e-03
17	236	340.00	-32.83	12.16	0.01	2.86	-2.80e-03	1.06e-03
17	268	0.0	-18.92	-0.12	0.02	0.44	0.0	-4.08e-03
17	268	50.00	-18.92	-0.12	0.02	0.50	0.01	-5.67e-03
17	268	100.00	-22.44	-0.13	9.31e-03	-0.41	0.02	-2.93e-03
17	268	150.00	-24.62	-0.13	6.25e-03	-0.97	0.02	-1.99e-03
17	268	200.00	-26.23	-0.10	5.16e-03	-1.39	0.02	-1.11e-03
17	268	250.00	-27.65	-0.06	3.89e-03	-1.78	0.02	5.27e-04
17	268	295.00	-28.97	0.01	-5.97e-03	-2.18	0.02	3.91e-03
17	268	340.00	-9.11	0.13	-0.04	3.55	3.10e-04	5.34e-03
17	280	0.0	-20.97	0.41	0.02	1.50	0.0	-3.92e-03
17	280	50.00	-20.97	0.41	0.02	1.29	0.01	-5.46e-03
17	280	100.00	-24.47	0.37	8.94e-03	0.14	0.01	-2.86e-03
17	280	150.00	-26.43	0.36	6.42e-03	-0.61	0.02	-2.02e-03
17	280	200.00	-27.71	0.38	5.64e-03	-1.18	0.02	-1.19e-03
17	280	250.00	-28.74	0.43	4.50e-03	-1.72	0.02	4.41e-04
17	280	295.00	-29.67	0.50	-5.46e-03	-2.23	0.02	3.88e-03
17	280	340.00	-8.91	0.61	-0.04	3.50	3.34e-04	5.39e-03
17	285	0.0	-13.31	0.40	0.01	1.28	0.0	-2.03e-03
17	285	50.00	-13.31	0.40	0.01	1.08	5.44e-03	-2.80e-03
17	285	100.00	-15.31	0.37	4.16e-03	0.33	7.52e-03	-1.40e-03
17	285	150.00	-16.31	0.35	3.06e-03	-0.17	9.05e-03	-1.01e-03
17	285	200.00	-16.86	0.36	2.91e-03	-0.54	0.01	-6.38e-04
17	285	250.00	-17.23	0.39	2.74e-03	-0.89	0.01	1.48e-04
17	285	295.00	-17.54	0.43	-2.03e-03	-1.21	0.01	1.94e-03
17	285	340.00	-5.16	0.50	-0.02	2.12	2.00e-04	2.85e-03
17	288	0.0	-19.29	0.50	0.02	1.62	0.0	-3.38e-03
17	288	50.00	-19.29	0.50	0.02	1.37	8.98e-03	-4.71e-03
17	288	100.00	-22.40	0.45	7.56e-03	0.28	0.01	-2.45e-03
17	288	150.00	-24.07	0.44	5.52e-03	-0.43	0.02	-1.75e-03
17	288	200.00	-25.11	0.45	4.97e-03	-0.98	0.02	-1.05e-03
17	288	250.00	-25.90	0.49	4.13e-03	-1.49	0.02	3.42e-04
17	288	295.00	-26.60	0.56	-4.41e-03	-1.97	0.02	3.34e-03
17	288	340.00	-7.89	0.66	-0.03	3.13	3.03e-04	4.71e-03

17	298	0.0	-17.14	0.19	0.02	0.96	0.0	-3.29e-03
17	298	50.00	-17.14	0.19	0.02	0.87	8.76e-03	-4.57e-03
17	298	100.00	-20.06	0.16	7.39e-03	-0.02	0.01	-2.36e-03
17	298	150.00	-21.74	0.15	5.16e-03	-0.59	0.02	-1.64e-03
17	298	200.00	-22.88	0.17	4.47e-03	-1.03	0.02	-9.50e-04
17	298	250.00	-23.82	0.21	3.58e-03	-1.43	0.02	3.81e-04
17	298	295.00	-24.67	0.27	-4.50e-03	-1.83	0.02	3.20e-03
17	298	340.00	-7.54	0.37	-0.03	2.97	2.72e-04	4.44e-03
17	305	0.0	-16.97	0.19	0.02	0.87	0.0	-3.14e-03
17	305	50.00	-16.97	0.19	0.02	0.78	8.42e-03	-4.33e-03
17	305	100.00	-19.70	0.17	6.55e-03	-0.07	0.01	-2.16e-03
17	305	150.00	-21.20	0.17	4.52e-03	-0.60	0.01	-1.50e-03
17	305	200.00	-22.17	0.19	4.25e-03	-1.00	0.02	-9.21e-04
17	305	250.00	-22.95	0.22	3.81e-03	-1.36	0.02	2.93e-04
17	305	295.00	-23.64	0.29	-3.83e-03	-1.73	0.02	2.99e-03
17	305	340.00	-7.19	0.39	-0.03	2.86	2.75e-04	4.23e-03
17	308	0.0	-12.40	0.17	0.01	0.81	0.0	-2.10e-03
17	308	50.00	-12.40	0.17	0.01	0.73	5.65e-03	-2.90e-03
17	308	100.00	-14.41	0.14	4.32e-03	0.08	7.81e-03	-1.43e-03
17	308	150.00	-15.50	0.14	2.99e-03	-0.33	9.30e-03	-9.97e-04
17	308	200.00	-16.20	0.15	2.70e-03	-0.64	0.01	-6.01e-04
17	308	250.00	-16.75	0.17	2.47e-03	-0.92	0.01	1.86e-04
17	308	295.00	-17.23	0.21	-2.25e-03	-1.19	0.01	1.95e-03
17	308	340.00	-5.24	0.28	-0.02	2.14	1.89e-04	2.82e-03
17	309	0.0	-12.17	0.11	0.01	0.70	0.0	-2.12e-03
17	309	50.00	-12.17	0.11	0.01	0.64	5.70e-03	-2.92e-03
17	309	100.00	-14.18	0.09	4.36e-03	0.02	7.88e-03	-1.44e-03
17	309	150.00	-15.30	0.08	2.97e-03	-0.37	9.36e-03	-9.93e-04
17	309	200.00	-16.04	0.10	2.65e-03	-0.66	0.01	-5.92e-04
17	309	250.00	-16.62	0.12	2.40e-03	-0.93	0.01	1.96e-04
17	309	295.00	-17.15	0.16	-2.31e-03	-1.18	0.01	1.96e-03
17	309	340.00	-5.27	0.22	-0.02	2.14	1.87e-04	2.82e-03
17	310	0.0	-16.43	0.18	0.02	0.92	0.0	-3.12e-03
17	310	50.00	-16.43	0.18	0.02	0.84	8.33e-03	-4.34e-03
17	310	100.00	-19.22	0.15	6.96e-03	-0.02	0.01	-2.23e-03
17	310	150.00	-20.82	0.14	4.85e-03	-0.56	0.01	-1.55e-03
17	310	200.00	-21.90	0.16	4.21e-03	-0.98	0.02	-8.99e-04
17	310	250.00	-22.79	0.20	3.41e-03	-1.36	0.02	3.54e-04
17	310	295.00	-23.60	0.25	-4.19e-03	-1.74	0.02	3.02e-03
17	310	340.00	-7.21	0.34	-0.03	2.86	2.60e-04	4.21e-03

M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-113.50	-12.58	-0.07	-16.16	-9.05e-03	-0.04
			80.64	12.94	0.14	17.92	0.06	0.04

Macro	Tipo	Angolo 1-Z (gradi)
18	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
18	4	0.0	-179.52	12.61	-0.10	109.14	0.0	0.02
18	4	50.00	-179.52	12.61	-0.10	115.44	-0.05	0.04
18	4	100.00	-169.62	12.44	-0.19	109.69	-0.14	0.03
18	4	150.00	-162.92	12.26	-0.20	108.47	-0.24	0.03
18	4	200.00	-157.66	12.05	-0.14	109.22	-0.31	0.02
18	4	250.00	-152.88	11.85	-0.01	110.57	-0.32	8.46e-04
18	4	295.00	-148.18	11.70	0.20	111.43	-0.23	-0.01
18	4	340.00	-134.35	11.64	0.51	104.42	-9.62e-04	-0.02
18	18	0.0	-168.35	15.18	-0.09	81.33	0.0	0.03
18	18	50.00	-168.35	15.18	-0.09	88.92	-0.05	0.05
18	18	100.00	-159.10	14.89	-0.17	85.40	-0.13	0.05
18	18	150.00	-152.63	14.57	-0.17	85.76	-0.21	0.04
18	18	200.00	-147.44	14.22	-0.12	87.75	-0.27	0.03
18	18	250.00	-142.69	13.88	-6.99e-03	90.21	-0.28	0.02
18	18	295.00	-138.07	13.60	0.18	92.03	-0.20	6.33e-03
18	18	340.00	-123.25	13.51	0.44	90.85	-7.12e-04	-0.01
18	44	0.0	-137.26	-11.20	-0.04	165.21	0.0	-0.04
18	44	50.00	-137.26	-11.20	-0.04	159.62	-0.02	-0.08
18	44	100.00	-129.25	-10.54	-0.15	145.19	-0.10	-0.07
18	44	150.00	-124.51	-9.88	-0.18	135.83	-0.19	-0.08
18	44	200.00	-121.20	-9.17	-0.15	128.89	-0.26	-0.09
18	44	250.00	-118.30	-8.47	-0.04	122.97	-0.28	-0.10

18	44	295.00	-115.33	-7.84	0.16	117.76	-0.21	-0.11
18	44	340.00	-110.34	-7.19	0.49	94.71	-1.45e-03	-0.07
18	45	0.0	-59.33	-15.04	0.01	100.13	0.0	-0.05
18	45	50.00	-59.33	-15.04	0.01	92.61	6.11e-03	-0.09
18	45	100.00	-55.44	-14.39	-0.05	81.85	-0.02	-0.08
18	45	150.00	-53.25	-13.74	-0.08	73.86	-0.06	-0.08
18	45	200.00	-51.79	-13.03	-0.08	67.28	-0.10	-0.09
18	45	250.00	-50.55	-12.33	-0.03	61.40	-0.12	-0.09
18	45	295.00	-49.24	-11.72	0.06	56.37	-0.09	-0.09
18	45	340.00	-48.47	-11.01	0.22	41.22	-8.68e-04	-0.05
18	122	0.0	-272.45	126.56	0.88	-395.51	0.23	-0.08
18	122	50.00	-272.45	126.56	0.88	-393.51	0.21	-0.07
18	122	100.00	-262.22	125.38	0.15	-347.68	0.48	-0.05
18	122	150.00	-254.23	125.28	-0.27	-298.86	0.45	-0.03
18	122	200.00	-247.14	124.02	-0.40	-248.87	0.28	-0.01
18	122	250.00	-240.03	123.67	-0.32	-198.94	0.10	-7.62e-03
18	122	295.00	-235.88	124.35	-0.15	-149.21	0.03	-0.01
18	122	340.00	-223.02	125.18	0.10	-129.68	0.05	-0.01
18	125	0.0	-319.14	119.35	-0.68	-267.48	-0.16	0.04
18	125	50.00	-319.14	119.35	-0.68	-265.49	-0.18	0.04
18	125	100.00	-300.29	116.38	-0.35	-236.72	-0.43	0.04
18	125	150.00	-283.88	112.93	-0.12	-204.81	-0.55	0.03
18	125	200.00	-268.57	113.08	0.03	-171.57	-0.58	0.01
18	125	250.00	-253.61	113.22	0.18	-138.00	-0.53	-0.01
18	125	295.00	-235.86	113.73	0.39	-109.71	-0.36	-0.03
18	125	340.00	-221.63	113.64	0.70	-97.51	-0.09	-0.05
18	128	0.0	111.36	-111.37	0.60	406.48	0.16	-0.03
18	128	50.00	111.36	-111.37	0.60	408.47	0.14	-0.03
18	128	100.00	104.45	-108.37	0.15	370.30	0.28	-0.03
18	128	150.00	96.16	-104.91	-0.10	334.52	0.30	-0.03
18	128	200.00	87.24	-105.06	-0.20	299.86	0.24	-0.02
18	128	250.00	78.10	-105.18	-0.21	265.73	0.18	-0.02
18	128	295.00	66.06	-105.66	-0.17	236.67	0.11	-0.01
18	128	340.00	67.63	-105.32	-0.12	214.73	0.09	6.61e-03
18	129	0.0	-195.11	-12.63	-2.75	257.46	-0.68	0.27
18	129	50.00	-195.11	-12.63	-2.75	259.46	-0.70	0.26
18	129	100.00	-173.50	-9.21	-0.98	228.30	-1.65	0.22
18	129	150.00	-154.16	-9.50	0.16	200.75	-1.85	0.17
18	129	200.00	-136.10	-6.03	0.64	174.98	-1.69	0.09
18	129	250.00	-119.07	-5.78	0.82	150.34	-1.27	0.03
18	129	295.00	-92.92	-8.96	1.05	117.08	-0.79	-0.01
18	129	340.00	-81.71	-12.25	1.30	100.58	-0.23	-0.02
18	154	0.0	-293.12	141.79	1.01	-453.69	0.26	-0.09
18	154	50.00	-293.12	141.79	1.01	-451.69	0.24	-0.08
18	154	100.00	-282.40	140.47	0.19	-399.53	0.55	-0.06
18	154	150.00	-273.97	140.36	-0.29	-344.33	0.52	-0.03
18	154	200.00	-266.43	138.94	-0.44	-287.99	0.34	-0.02
18	154	250.00	-258.85	138.55	-0.36	-231.76	0.14	-6.90e-03
18	154	295.00	-254.57	139.30	-0.18	-175.76	0.05	-9.07e-03
18	154	340.00	-241.12	140.22	0.07	-153.15	0.05	-0.01
18	157	0.0	-346.14	133.65	-0.77	-309.07	-0.18	0.05
18	157	50.00	-346.14	133.65	-0.77	-307.07	-0.21	0.05
18	157	100.00	-325.65	130.32	-0.38	-274.18	-0.48	0.04
18	157	150.00	-307.67	126.46	-0.12	-238.11	-0.61	0.03
18	157	200.00	-290.82	126.63	0.05	-200.69	-0.63	0.01
18	157	250.00	-274.32	126.78	0.21	-162.95	-0.57	-0.01
18	157	295.00	-254.69	127.35	0.42	-131.14	-0.39	-0.03
18	157	340.00	-239.66	127.23	0.75	-116.86	-0.10	-0.05
18	160	0.0	138.36	-125.67	0.68	448.06	0.18	-0.04
18	160	50.00	138.36	-125.67	0.68	450.06	0.16	-0.04
18	160	100.00	129.81	-122.31	0.18	407.76	0.33	-0.03
18	160	150.00	119.96	-118.44	-0.10	367.82	0.35	-0.03
18	160	200.00	109.49	-118.60	-0.21	328.98	0.29	-0.03
18	160	250.00	98.82	-118.74	-0.23	290.68	0.22	-0.02
18	160	295.00	84.88	-119.28	-0.20	258.10	0.14	-0.01
18	160	340.00	85.66	-118.91	-0.18	234.07	0.10	0.01
18	161	0.0	-207.25	-14.80	-3.11	282.57	-0.77	0.30
18	161	50.00	-207.25	-14.80	-3.11	284.56	-0.79	0.29
18	161	100.00	-183.56	-10.98	-1.10	249.88	-1.86	0.25
18	161	150.00	-162.18	-11.31	0.19	218.91	-2.09	0.19
18	161	200.00	-142.12	-7.42	0.73	189.79	-1.89	0.11
18	161	250.00	-123.20	-7.14	0.93	161.88	-1.42	0.03
18	161	295.00	-94.02	-10.70	1.17	124.32	-0.88	-0.01
18	161	340.00	-82.33	-14.40	1.44	106.20	-0.26	-0.02
18	186	0.0	-288.41	139.75	1.04	-448.61	0.27	-0.09

18	186	50.00	-288.41	139.75	1.04	-446.62	0.24	-0.08
18	186	100.00	-278.05	138.47	0.20	-394.92	0.57	-0.06
18	186	150.00	-269.97	138.37	-0.29	-340.19	0.54	-0.03
18	186	200.00	-262.80	137.00	-0.44	-284.29	0.36	-0.02
18	186	250.00	-255.58	136.62	-0.37	-228.48	0.15	-7.02e-03
18	186	295.00	-251.58	137.33	-0.19	-172.99	0.06	-9.03e-03
18	186	340.00	-238.36	138.21	0.06	-150.50	0.06	-0.01
18	189	0.0	-344.23	131.36	-0.80	-301.57	-0.19	0.05
18	189	50.00	-344.23	131.36	-0.80	-299.58	-0.21	0.05
18	189	100.00	-323.70	128.22	-0.39	-267.51	-0.49	0.04
18	189	150.00	-305.69	124.58	-0.12	-232.27	-0.63	0.03
18	189	200.00	-288.79	124.72	0.06	-195.68	-0.65	0.01
18	189	250.00	-272.25	124.85	0.22	-158.78	-0.58	-0.01
18	189	295.00	-252.58	125.37	0.43	-127.68	-0.40	-0.03
18	189	340.00	-237.60	125.24	0.76	-113.89	-0.10	-0.05
18	192	0.0	136.45	-123.38	0.71	440.57	0.19	-0.04
18	192	50.00	136.45	-123.38	0.71	442.56	0.17	-0.04
18	192	100.00	127.87	-120.20	0.19	401.09	0.35	-0.03
18	192	150.00	117.97	-116.56	-0.10	361.98	0.37	-0.03
18	192	200.00	107.47	-116.70	-0.22	323.97	0.31	-0.02
18	192	250.00	96.74	-116.81	-0.24	286.51	0.23	-0.02
18	192	295.00	82.77	-117.30	-0.21	254.64	0.14	-9.00e-03
18	192	340.00	83.61	-116.92	-0.19	231.11	0.10	0.01
18	193	0.0	-211.21	-15.27	-3.23	291.14	-0.80	0.31
18	193	50.00	-211.21	-15.27	-3.23	293.13	-0.82	0.30
18	193	100.00	-186.85	-11.58	-1.14	257.31	-1.93	0.25
18	193	150.00	-164.77	-11.93	0.20	225.17	-2.16	0.19
18	193	200.00	-143.98	-8.19	0.76	194.87	-1.96	0.11
18	193	250.00	-124.31	-7.91	0.97	165.72	-1.47	0.03
18	193	295.00	-94.59	-11.30	1.22	127.36	-0.91	-0.02
18	193	340.00	-82.55	-14.86	1.48	108.26	-0.27	-0.03
18	218	0.0	-317.14	162.05	1.25	-535.72	0.32	-0.11
18	218	50.00	-317.14	162.05	1.25	-533.73	0.30	-0.10
18	218	100.00	-306.28	160.55	0.26	-472.47	0.70	-0.07
18	218	150.00	-297.79	160.44	-0.32	-408.13	0.68	-0.04
18	218	200.00	-290.19	158.84	-0.51	-342.65	0.47	-0.02
18	218	250.00	-282.49	158.40	-0.44	-277.33	0.22	-5.88e-03
18	218	295.00	-278.58	159.22	-0.26	-212.32	0.09	-6.75e-03
18	218	340.00	-264.57	160.23	6.51e-03	-185.17	0.07	-8.62e-03
18	221	0.0	-384.42	151.94	-0.95	-360.58	-0.23	0.05
18	221	50.00	-384.42	151.94	-0.95	-358.59	-0.25	0.05
18	221	100.00	-361.36	148.33	-0.45	-320.74	-0.58	0.05
18	221	150.00	-340.92	144.16	-0.12	-279.64	-0.73	0.04
18	221	200.00	-321.64	144.32	0.09	-237.17	-0.74	0.01
18	221	250.00	-302.72	144.45	0.26	-194.41	-0.66	-0.01
18	221	295.00	-280.08	145.04	0.49	-158.45	-0.45	-0.04
18	221	340.00	-263.93	144.87	0.85	-141.71	-0.12	-0.06
18	224	0.0	176.64	-143.96	0.86	499.57	0.23	-0.05
18	224	50.00	176.64	-143.96	0.86	501.57	0.21	-0.04
18	224	100.00	165.53	-140.32	0.25	454.32	0.43	-0.04
18	224	150.00	153.20	-136.13	-0.10	409.34	0.47	-0.04
18	224	200.00	140.31	-136.29	-0.25	365.46	0.40	-0.03
18	224	250.00	127.22	-136.42	-0.29	322.14	0.31	-0.01
18	224	295.00	110.28	-136.97	-0.27	285.41	0.20	-6.09e-03
18	224	340.00	109.93	-136.55	-0.28	258.93	0.12	0.02
18	225	0.0	-232.88	-19.31	-3.89	337.55	-0.96	0.37
18	225	50.00	-232.88	-19.31	-3.89	339.54	-0.99	0.35
18	225	100.00	-204.76	-15.00	-1.36	297.26	-2.31	0.30
18	225	150.00	-178.97	-15.42	0.26	258.82	-2.58	0.22
18	225	200.00	-154.55	-11.07	0.94	222.33	-2.33	0.12
18	225	250.00	-131.41	-10.72	1.17	187.11	-1.74	0.04
18	225	295.00	-96.33	-14.68	1.45	141.04	-1.07	-0.02
18	225	340.00	-83.41	-18.86	1.73	118.85	-0.33	-0.03
18	244	0.0	-128.54	8.64	-0.07	76.99	0.0	0.02
18	244	50.00	-128.54	8.64	-0.07	81.31	-0.03	0.03
18	244	100.00	-121.40	8.54	-0.13	77.10	-0.10	0.02
18	244	150.00	-116.53	8.41	-0.14	76.12	-0.17	0.02
18	244	200.00	-112.70	8.28	-0.10	76.54	-0.22	9.93e-03
18	244	250.00	-109.21	8.14	-8.95e-03	77.40	-0.22	-4.33e-04
18	244	295.00	-105.79	8.04	0.14	77.93	-0.16	-0.01
18	244	340.00	-95.67	8.03	0.36	73.41	-6.76e-04	-0.02
18	251	0.0	-121.09	10.36	-0.06	58.45	0.0	0.02
18	251	50.00	-121.09	10.36	-0.06	63.63	-0.03	0.04
18	251	100.00	-114.38	10.17	-0.12	60.91	-0.09	0.03
18	251	150.00	-109.68	9.96	-0.12	60.98	-0.15	0.03

18	251	200.00	-105.89	9.73	-0.09	62.23	-0.19	0.02
18	251	250.00	-102.42	9.50	-6.11e-03	63.82	-0.20	0.01
18	251	295.00	-99.05	9.31	0.13	64.99	-0.14	2.77e-03
18	251	340.00	-88.27	9.28	0.31	64.36	-5.10e-04	-9.10e-03
18	261	0.0	-69.65	-8.99	-1.03e-03	84.61	0.0	-0.03
18	261	50.00	-69.65	-8.99	-1.03e-03	80.11	-5.17e-04	-0.06
18	261	100.00	-65.31	-8.55	-0.06	71.61	-0.03	-0.05
18	261	150.00	-62.64	-8.12	-0.08	65.73	-0.07	-0.05
18	261	200.00	-60.71	-7.64	-0.07	61.12	-0.11	-0.06
18	261	250.00	-58.99	-7.18	-0.03	57.10	-0.12	-0.06
18	261	295.00	-57.27	-6.76	0.07	53.63	-0.09	-0.07
18	261	340.00	-54.16	-6.23	0.22	42.91	-7.32e-04	-0.04
18	264	0.0	-100.36	-7.22	-0.03	114.37	0.0	-0.03
18	264	50.00	-100.36	-7.22	-0.03	110.76	-0.01	-0.05
18	264	100.00	-94.48	-6.78	-0.10	100.76	-0.07	-0.05
18	264	150.00	-90.93	-6.35	-0.13	94.36	-0.13	-0.05
18	264	200.00	-88.39	-5.87	-0.10	89.65	-0.18	-0.06
18	264	250.00	-86.16	-5.40	-0.03	85.66	-0.20	-0.07
18	264	295.00	-83.89	-4.98	0.11	82.15	-0.14	-0.08
18	264	340.00	-79.67	-4.52	0.34	66.94	-1.00e-03	-0.05
18	298	0.0	-107.30	4.20	-0.05	73.19	0.0	3.86e-03
18	298	50.00	-107.30	4.20	-0.05	75.29	-0.02	6.23e-03
18	298	100.00	-101.14	4.22	-0.11	70.41	-0.08	5.11e-03
18	298	150.00	-96.98	4.22	-0.12	68.42	-0.14	1.16e-03
18	298	200.00	-93.71	4.22	-0.09	67.70	-0.18	-5.65e-03
18	298	250.00	-90.74	4.23	-0.01	67.42	-0.18	-0.01
18	298	295.00	-87.83	4.24	0.11	67.03	-0.13	-0.02
18	298	340.00	-79.85	4.36	0.30	61.51	-6.37e-04	-0.02
18	303	0.0	-105.27	5.16	-0.05	65.77	0.0	6.85e-03
18	303	50.00	-105.27	5.16	-0.05	68.35	-0.02	0.01
18	303	100.00	-99.24	5.14	-0.10	64.13	-0.07	9.99e-03
18	303	150.00	-95.11	5.10	-0.11	62.63	-0.13	6.34e-03
18	303	200.00	-91.83	5.05	-0.08	62.32	-0.17	-3.27e-05
18	303	250.00	-88.84	5.01	-0.01	62.41	-0.17	-8.15e-03
18	303	295.00	-85.91	4.99	0.11	62.34	-0.13	-0.02
18	303	340.00	-77.57	5.08	0.29	58.44	-5.71e-04	-0.02
18	304	0.0	-80.71	0.39	-0.02	54.78	0.0	-5.18e-03
18	304	50.00	-80.71	0.39	-0.02	54.98	-8.91e-03	-9.32e-03
18	304	100.00	-75.92	0.49	-0.07	50.36	-0.04	-8.53e-03
18	304	150.00	-72.64	0.58	-0.08	47.92	-0.08	-0.01
18	304	200.00	-70.04	0.67	-0.06	46.49	-0.11	-0.02
18	304	250.00	-67.67	0.77	-0.01	45.45	-0.12	-0.02
18	304	295.00	-65.36	0.86	0.07	44.47	-0.09	-0.03
18	304	340.00	-58.75	1.12	0.21	41.54	-4.69e-04	-0.02
18	305	0.0	-101.13	1.65	-0.04	76.95	0.0	-3.15e-03
18	305	50.00	-101.13	1.65	-0.04	77.78	-0.02	-5.99e-03
18	305	100.00	-95.27	1.75	-0.10	72.10	-0.07	-5.93e-03
18	305	150.00	-91.36	1.84	-0.11	69.30	-0.13	-9.83e-03
18	305	200.00	-88.33	1.93	-0.08	67.80	-0.17	-0.02
18	305	250.00	-85.58	2.03	-0.01	66.78	-0.18	-0.02
18	305	295.00	-82.88	2.13	0.11	65.77	-0.13	-0.03
18	305	340.00	-75.85	2.32	0.29	58.95	-6.70e-04	-0.03
18	309	0.0	-83.47	2.74	-0.02	47.32	0.0	1.49e-03
18	309	50.00	-83.47	2.74	-0.02	48.69	-0.01	2.35e-03
18	309	100.00	-78.58	2.75	-0.07	45.04	-0.05	2.08e-03
18	309	150.00	-75.14	2.75	-0.08	43.47	-0.09	-3.04e-04
18	309	200.00	-72.37	2.75	-0.06	42.84	-0.12	-4.65e-03
18	309	250.00	-69.83	2.76	-0.01	42.54	-0.12	-0.01
18	309	295.00	-67.38	2.77	0.07	42.19	-0.09	-0.02
18	309	340.00	-59.90	2.96	0.20	41.20	-4.03e-04	-0.01
18	310	0.0	-103.89	3.99	-0.04	69.50	0.0	3.52e-03
18	310	50.00	-103.89	3.99	-0.04	71.49	-0.02	5.68e-03
18	310	100.00	-97.92	4.01	-0.10	66.79	-0.07	4.68e-03
18	310	150.00	-93.86	4.01	-0.11	64.85	-0.13	9.53e-04
18	310	200.00	-90.66	4.01	-0.08	64.15	-0.17	-5.51e-03
18	310	250.00	-87.75	4.02	-0.01	63.87	-0.17	-0.01
18	310	295.00	-84.90	4.03	0.11	63.48	-0.13	-0.02
18	310	340.00	-77.00	4.16	0.29	58.61	-6.04e-04	-0.02
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-384.42	-143.96	-3.89	-535.72	-2.58	-0.11
			176.64	162.05	1.73	501.57	0.70	0.37

Macro	Tipo	Angolo 1-Z (gradi)

19	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
19	18	0.0	-198.22	0.82	0.0	-175.20	0.0	-8.97e-04
19	18	50.00	-198.22	0.82	0.0	-174.79	0.0	-1.56e-03
19	18	100.00	-196.47	0.82	0.0	-174.38	0.0	-1.37e-03
19	18	150.00	-194.72	0.82	0.0	-173.98	0.0	-1.37e-03
19	18	200.00	-192.98	0.82	0.0	-173.57	0.0	-1.39e-03
19	18	250.00	-191.23	0.82	0.0	-173.16	0.0	-1.47e-03
19	18	295.00	-189.57	0.82	0.0	-172.79	0.0	-1.59e-03
19	18	340.00	-188.00	0.82	0.0	-172.42	0.0	-1.31e-03
19	19	0.0	-75.50	4.75	0.0	-80.25	0.0	-5.79e-04
19	19	50.00	-75.50	4.75	0.0	-77.88	0.0	-1.00e-03
19	19	100.00	-74.16	4.75	0.0	-75.51	0.0	-8.86e-04
19	19	150.00	-72.82	4.75	0.0	-73.13	0.0	-8.77e-04
19	19	200.00	-71.47	4.75	0.0	-70.76	0.0	-8.79e-04
19	19	250.00	-70.13	4.75	0.0	-68.38	0.0	-8.87e-04
19	19	295.00	-68.86	4.75	0.0	-66.25	0.0	-8.85e-04
19	19	340.00	-67.65	4.75	0.0	-64.11	0.0	-6.04e-04
19	28	0.0	-247.35	-16.63	0.0	-165.25	0.0	-1.95e-04
19	28	50.00	-247.35	-16.63	0.0	-173.57	0.0	-3.38e-04
19	28	100.00	-245.60	-16.63	0.0	-181.89	0.0	-3.00e-04
19	28	150.00	-243.86	-16.63	0.0	-190.20	0.0	-3.14e-04
19	28	200.00	-242.11	-16.63	0.0	-198.52	0.0	-3.74e-04
19	28	250.00	-240.37	-16.63	0.0	-206.83	0.0	-5.35e-04
19	28	295.00	-238.71	-16.63	0.0	-214.32	0.0	-8.57e-04
19	28	340.00	-237.14	-16.63	0.0	-221.80	0.0	-1.15e-03
19	44	0.0	-222.00	-21.68	0.0	-131.02	0.0	1.51e-04
19	44	50.00	-222.00	-21.68	0.0	-141.86	0.0	2.62e-04
19	44	100.00	-220.25	-21.68	0.0	-152.70	0.0	2.29e-04
19	44	150.00	-218.51	-21.68	0.0	-163.53	0.0	2.08e-04
19	44	200.00	-216.76	-21.68	0.0	-174.37	0.0	1.45e-04
19	44	250.00	-215.01	-21.68	0.0	-185.21	0.0	-2.45e-05
19	44	295.00	-213.36	-21.68	0.0	-194.97	0.0	-3.74e-04
19	44	340.00	-211.78	-21.68	0.0	-204.72	0.0	-8.72e-04
19	122	0.0	29.05	115.14	-0.12	-256.55	-0.03	-5.76e-03
19	122	50.00	29.05	115.14	-0.12	-258.66	-0.03	-6.01e-03
19	122	100.00	31.96	115.09	-0.09	-198.85	-0.07	-6.48e-03
19	122	150.00	24.37	114.98	-0.05	-154.64	-0.13	-6.34e-03
19	122	200.00	33.77	114.82	0.01	-85.30	-0.15	-6.15e-03
19	122	250.00	34.97	114.60	0.05	-28.22	-0.12	-5.52e-03
19	122	295.00	36.18	114.33	0.11	26.20	-0.09	-4.25e-03
19	122	340.00	37.40	114.04	0.15	77.52	-0.03	-1.72e-03
19	123	0.0	-292.11	-123.57	0.12	56.29	0.03	5.08e-03
19	123	50.00	-292.11	-123.57	0.12	54.18	0.03	4.84e-03
19	123	100.00	-292.33	-123.52	0.09	-9.84	0.07	5.45e-03
19	123	150.00	-282.06	-123.41	0.05	-58.27	0.13	5.30e-03
19	123	200.00	-288.77	-123.24	-0.01	-131.82	0.15	5.06e-03
19	123	250.00	-287.28	-123.02	-0.05	-193.12	0.12	4.30e-03
19	123	295.00	-285.94	-122.76	-0.11	-251.33	0.09	2.78e-03
19	123	340.00	-284.74	-122.47	-0.15	-306.44	0.03	2.81e-04
19	132	0.0	-95.88	15.00	-0.34	-111.79	-0.09	-0.04
19	132	50.00	-95.88	15.00	-0.34	-113.90	-0.09	-0.04
19	132	100.00	-88.71	14.99	-0.28	-97.78	-0.25	-0.04
19	132	150.00	-90.42	14.97	-0.19	-94.82	-0.35	-0.04
19	132	200.00	-91.18	14.94	0.05	-90.47	-0.40	-0.04
19	132	250.00	-89.92	14.91	0.14	-83.14	-0.39	-0.04
19	132	295.00	-88.84	14.87	0.31	-75.80	-0.29	-0.04
19	132	340.00	-87.54	14.82	0.50	-69.38	-0.12	-0.03
19	154	0.0	49.06	129.99	-0.13	-275.95	-0.03	-6.52e-03
19	154	50.00	49.06	129.99	-0.13	-278.06	-0.03	-6.77e-03
19	154	100.00	52.15	129.93	-0.11	-210.58	-0.08	-7.31e-03
19	154	150.00	43.49	129.81	-0.06	-160.54	-0.14	-7.15e-03
19	154	200.00	53.86	129.62	0.02	-82.37	-0.16	-6.93e-03
19	154	250.00	55.04	129.37	0.06	-17.92	-0.14	-6.21e-03
19	154	295.00	56.24	129.08	0.13	43.51	-0.10	-4.76e-03
19	154	340.00	57.46	128.75	0.16	101.45	-0.04	-1.91e-03
19	155	0.0	-312.12	-138.42	0.13	75.68	0.03	5.84e-03
19	155	50.00	-312.12	-138.42	0.13	73.58	0.03	5.60e-03
19	155	100.00	-312.52	-138.36	0.11	1.88	0.08	6.28e-03
19	155	150.00	-301.17	-138.24	0.06	-52.37	0.14	6.11e-03
19	155	200.00	-308.86	-138.05	-0.02	-134.75	0.16	5.84e-03

19	155	250.00	-307.35	-137.80	-0.06	-203.42	0.14	4.99e-03
19	155	295.00	-306.00	-137.51	-0.13	-268.63	0.10	3.30e-03
19	155	340.00	-304.81	-137.18	-0.16	-330.36	0.04	4.66e-04
19	164	0.0	-91.12	17.54	-0.38	-113.27	-0.10	-0.05
19	164	50.00	-91.12	17.54	-0.38	-115.38	-0.10	-0.05
19	164	100.00	-83.30	17.53	-0.32	-97.03	-0.28	-0.05
19	164	150.00	-85.34	17.51	-0.21	-93.29	-0.39	-0.05
19	164	200.00	-86.34	17.48	0.06	-88.03	-0.45	-0.05
19	164	250.00	-85.09	17.44	0.15	-79.44	-0.44	-0.05
19	164	295.00	-84.03	17.40	0.34	-70.89	-0.33	-0.05
19	164	340.00	-82.72	17.34	0.57	-63.36	-0.13	-0.04
19	186	0.0	46.79	128.10	-0.13	-273.06	-0.03	-7.14e-03
19	186	50.00	46.79	128.10	-0.13	-275.16	-0.03	-7.39e-03
19	186	100.00	49.75	128.04	-0.10	-208.82	-0.08	-7.97e-03
19	186	150.00	41.54	127.92	-0.06	-159.05	-0.14	-7.76e-03
19	186	200.00	51.45	127.74	0.02	-82.50	-0.16	-7.50e-03
19	186	250.00	52.66	127.49	0.05	-18.95	-0.14	-6.75e-03
19	186	295.00	53.87	127.20	0.12	41.60	-0.10	-5.31e-03
19	186	340.00	55.09	126.88	0.16	98.69	-0.04	-2.37e-03
19	187	0.0	-309.85	-136.53	0.13	72.79	0.03	6.47e-03
19	187	50.00	-309.85	-136.53	0.13	70.68	0.03	6.22e-03
19	187	100.00	-310.12	-136.47	0.10	0.12	0.08	6.94e-03
19	187	150.00	-299.23	-136.35	0.06	-53.86	0.14	6.72e-03
19	187	200.00	-306.45	-136.17	-0.02	-134.62	0.16	6.42e-03
19	187	250.00	-304.98	-135.92	-0.05	-202.39	0.14	5.53e-03
19	187	295.00	-303.64	-135.63	-0.12	-266.72	0.10	3.84e-03
19	187	340.00	-302.43	-135.31	-0.16	-327.61	0.04	9.24e-04
19	196	0.0	-89.48	18.26	-0.38	-113.25	-0.10	-0.05
19	196	50.00	-89.48	18.26	-0.38	-115.36	-0.10	-0.05
19	196	100.00	-82.23	18.25	-0.32	-97.49	-0.27	-0.05
19	196	150.00	-83.91	18.23	-0.21	-92.87	-0.39	-0.05
19	196	200.00	-84.76	18.20	0.06	-87.02	-0.45	-0.05
19	196	250.00	-83.50	18.16	0.15	-78.06	-0.44	-0.05
19	196	295.00	-82.41	18.12	0.34	-69.18	-0.33	-0.05
19	196	340.00	-81.12	18.07	0.57	-61.30	-0.13	-0.04
19	218	0.0	76.34	149.89	-0.15	-301.29	-0.04	-8.71e-03
19	218	50.00	76.34	149.89	-0.15	-303.39	-0.04	-8.96e-03
19	218	100.00	79.53	149.83	-0.12	-225.82	-0.10	-9.68e-03
19	218	150.00	69.83	149.69	-0.07	-167.40	-0.17	-9.42e-03
19	218	200.00	81.09	149.47	0.02	-77.98	-0.19	-9.10e-03
19	218	250.00	82.29	149.19	0.06	-3.60	-0.16	-8.20e-03
19	218	295.00	83.49	148.85	0.15	67.23	-0.12	-6.49e-03
19	218	340.00	84.70	148.48	0.20	134.04	-0.04	-2.98e-03
19	219	0.0	-339.40	-158.32	0.15	101.02	0.04	8.04e-03
19	219	50.00	-339.40	-158.32	0.15	98.91	0.04	7.79e-03
19	219	100.00	-339.90	-158.25	0.12	17.13	0.10	8.65e-03
19	219	150.00	-327.52	-158.11	0.07	-45.51	0.17	8.38e-03
19	219	200.00	-336.09	-157.90	-0.02	-139.14	0.19	8.02e-03
19	219	250.00	-334.60	-157.62	-0.06	-217.74	0.16	6.98e-03
19	219	295.00	-333.25	-157.28	-0.15	-292.36	0.12	5.02e-03
19	219	340.00	-332.05	-156.91	-0.20	-362.96	0.04	1.54e-03
19	228	0.0	-80.53	23.02	-0.45	-115.97	-0.12	-0.06
19	228	50.00	-80.53	23.02	-0.45	-118.08	-0.12	-0.06
19	228	100.00	-72.43	23.01	-0.38	-96.58	-0.33	-0.06
19	228	150.00	-74.53	22.99	-0.26	-90.18	-0.47	-0.06
19	228	200.00	-75.71	22.95	0.07	-82.45	-0.54	-0.06
19	228	250.00	-74.46	22.91	0.18	-71.14	-0.53	-0.06
19	228	295.00	-73.39	22.86	0.41	-59.99	-0.39	-0.06
19	228	340.00	-72.10	22.80	0.68	-50.01	-0.15	-0.05
19	248	0.0	-83.99	2.05	0.0	-80.01	0.0	-4.82e-04
19	248	50.00	-83.99	2.05	0.0	-78.98	0.0	-8.35e-04
19	248	100.00	-82.64	2.05	0.0	-77.96	0.0	-7.37e-04
19	248	150.00	-81.30	2.05	0.0	-76.93	0.0	-7.31e-04
19	248	200.00	-79.96	2.05	0.0	-75.90	0.0	-7.39e-04
19	248	250.00	-78.61	2.05	0.0	-74.87	0.0	-7.60e-04
19	248	295.00	-77.34	2.05	0.0	-73.95	0.0	-7.90e-04
19	248	340.00	-76.13	2.05	0.0	-73.02	0.0	-5.94e-04
19	251	0.0	-140.15	0.28	0.0	-123.05	0.0	-6.19e-04
19	251	50.00	-140.15	0.28	0.0	-122.91	0.0	-1.07e-03
19	251	100.00	-138.81	0.28	0.0	-122.77	0.0	-9.46e-04
19	251	150.00	-137.47	0.28	0.0	-122.63	0.0	-9.42e-04
19	251	200.00	-136.12	0.28	0.0	-122.49	0.0	-9.60e-04
19	251	250.00	-134.78	0.28	0.0	-122.35	0.0	-1.01e-03
19	251	295.00	-133.51	0.28	0.0	-122.22	0.0	-1.10e-03
19	251	340.00	-132.30	0.28	0.0	-122.09	0.0	-9.11e-04

19	256	0.0	-172.91	-11.35	0.0	-116.42	0.0	-1.50e-04
19	256	50.00	-172.91	-11.35	0.0	-122.09	0.0	-2.61e-04
19	256	100.00	-171.57	-11.35	0.0	-127.77	0.0	-2.31e-04
19	256	150.00	-170.22	-11.35	0.0	-133.44	0.0	-2.41e-04
19	256	200.00	-168.88	-11.35	0.0	-139.12	0.0	-2.82e-04
19	256	250.00	-167.54	-11.35	0.0	-144.80	0.0	-3.93e-04
19	256	295.00	-166.26	-11.35	0.0	-149.90	0.0	-6.14e-04
19	256	340.00	-165.05	-11.35	0.0	-155.01	0.0	-8.11e-04
19	264	0.0	-156.01	-14.72	0.0	-93.59	0.0	8.05e-05
19	264	50.00	-156.01	-14.72	0.0	-100.95	0.0	1.40e-04
19	264	100.00	-154.66	-14.72	0.0	-108.31	0.0	1.21e-04
19	264	150.00	-153.32	-14.72	0.0	-115.67	0.0	1.07e-04
19	264	200.00	-151.98	-14.72	0.0	-123.02	0.0	6.38e-05
19	264	250.00	-150.64	-14.72	0.0	-130.38	0.0	-5.25e-05
19	264	295.00	-149.36	-14.72	0.0	-137.00	0.0	-2.92e-04
19	264	340.00	-148.15	-14.72	0.0	-143.62	0.0	-6.22e-04
19	298	0.0	-138.57	-4.43	0.0	-105.12	0.0	-3.53e-04
19	298	50.00	-138.57	-4.43	0.0	-107.34	0.0	-6.11e-04
19	298	100.00	-137.23	-4.43	0.0	-109.55	0.0	-5.40e-04
19	298	150.00	-135.89	-4.43	0.0	-111.76	0.0	-5.41e-04
19	298	200.00	-134.54	-4.43	0.0	-113.97	0.0	-5.67e-04
19	298	250.00	-133.20	-4.43	0.0	-116.19	0.0	-6.37e-04
19	298	295.00	-131.92	-4.43	0.0	-118.18	0.0	-7.68e-04
19	298	340.00	-130.72	-4.43	0.0	-120.17	0.0	-7.58e-04
19	302	0.0	-88.21	-1.94	0.0	-72.16	0.0	-2.95e-04
19	302	50.00	-88.21	-1.94	0.0	-73.13	0.0	-5.12e-04
19	302	100.00	-86.87	-1.94	0.0	-74.10	0.0	-4.52e-04
19	302	150.00	-85.53	-1.94	0.0	-75.07	0.0	-4.51e-04
19	302	200.00	-84.19	-1.94	0.0	-76.05	0.0	-4.65e-04
19	302	250.00	-82.84	-1.94	0.0	-77.02	0.0	-5.04e-04
19	302	295.00	-81.57	-1.94	0.0	-77.89	0.0	-5.74e-04
19	302	340.00	-80.36	-1.94	0.0	-78.77	0.0	-5.17e-04
19	303	0.0	-130.47	-3.21	0.0	-102.10	0.0	-3.84e-04
19	303	50.00	-130.47	-3.21	0.0	-103.70	0.0	-6.66e-04
19	303	100.00	-129.13	-3.21	0.0	-105.31	0.0	-5.88e-04
19	303	150.00	-127.79	-3.21	0.0	-106.92	0.0	-5.88e-04
19	303	200.00	-126.44	-3.21	0.0	-108.53	0.0	-6.11e-04
19	303	250.00	-125.10	-3.21	0.0	-110.13	0.0	-6.73e-04
19	303	295.00	-123.82	-3.21	0.0	-111.58	0.0	-7.87e-04
19	303	340.00	-122.62	-3.21	0.0	-113.02	0.0	-7.40e-04
19	305	0.0	-133.64	-6.21	0.0	-96.21	0.0	-2.45e-04
19	305	50.00	-133.64	-6.21	0.0	-99.31	0.0	-4.24e-04
19	305	100.00	-132.30	-6.21	0.0	-102.42	0.0	-3.75e-04
19	305	150.00	-130.96	-6.21	0.0	-105.53	0.0	-3.79e-04
19	305	200.00	-129.61	-6.21	0.0	-108.63	0.0	-4.06e-04
19	305	250.00	-128.27	-6.21	0.0	-111.74	0.0	-4.80e-04
19	305	295.00	-127.00	-6.21	0.0	-114.53	0.0	-6.25e-04
19	305	340.00	-125.79	-6.21	0.0	-117.33	0.0	-6.82e-04
19	309	0.0	-89.27	-2.94	0.0	-70.19	0.0	-2.49e-04
19	309	50.00	-89.27	-2.94	0.0	-71.67	0.0	-4.31e-04
19	309	100.00	-87.93	-2.94	0.0	-73.14	0.0	-3.81e-04
19	309	150.00	-86.58	-2.94	0.0	-74.61	0.0	-3.81e-04
19	309	200.00	-85.24	-2.94	0.0	-76.08	0.0	-3.97e-04
19	309	250.00	-83.90	-2.94	0.0	-77.55	0.0	-4.40e-04
19	309	295.00	-82.62	-2.94	0.0	-78.88	0.0	-5.20e-04
19	309	340.00	-81.41	-2.94	0.0	-80.20	0.0	-4.98e-04
19	310	0.0	-131.53	-4.21	0.0	-100.13	0.0	-3.38e-04
19	310	50.00	-131.53	-4.21	0.0	-102.24	0.0	-5.85e-04
19	310	100.00	-130.19	-4.21	0.0	-104.35	0.0	-5.17e-04
19	310	150.00	-128.84	-4.21	0.0	-106.45	0.0	-5.19e-04
19	310	200.00	-127.50	-4.21	0.0	-108.56	0.0	-5.43e-04
19	310	250.00	-126.16	-4.21	0.0	-110.67	0.0	-6.09e-04
19	310	295.00	-124.88	-4.21	0.0	-112.56	0.0	-7.33e-04
19	310	340.00	-123.67	-4.21	0.0	-114.46	0.0	-7.21e-04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-339.90	-158.32	-0.45	-362.96	-0.54	-0.06
			84.70	149.89	0.68	134.04	0.19	8.65e-03

Macro	Tipo	Angolo 1-Z (gradi)
20	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
20	28	0.0	-375.14	-7.31	-0.05	209.38	0.0	-2.32e-03
20	28	50.00	-375.14	-7.31	-0.05	205.72	-0.03	-2.53e-03
20	28	100.00	-366.07	-6.93	0.01	190.05	-0.02	7.60e-06
20	28	150.00	-360.69	-6.44	0.09	181.13	0.02	2.76e-03
20	28	200.00	-356.53	-5.90	0.13	175.28	0.09	6.16e-03
20	28	250.00	-352.39	-5.34	0.10	171.04	0.14	9.98e-03
20	28	295.00	-336.84	-10.10	-0.02	141.49	0.13	0.01
20	28	340.00	-301.09	-9.34	-0.30	141.57	-4.03e-04	9.75e-03
20	45	0.0	-142.66	-20.92	-0.02	111.35	0.0	1.33e-03
20	45	50.00	-142.66	-20.92	-0.02	100.89	-8.84e-03	2.35e-03
20	45	100.00	-136.81	-20.29	4.54e-03	89.85	-6.57e-03	2.22e-03
20	45	150.00	-132.58	-19.49	0.03	81.31	0.01	2.76e-03
20	45	200.00	-128.98	-18.60	0.05	74.03	0.04	3.71e-03
20	45	250.00	-125.58	-17.71	0.04	67.46	0.06	4.88e-03
20	45	295.00	-119.39	-14.99	-0.01	56.42	0.05	5.23e-03
20	45	340.00	-106.26	-12.70	-0.11	54.82	-1.24e-04	4.07e-03
20	76	0.0	-372.68	6.40	0.06	185.79	0.0	-4.37e-03
20	76	50.00	-372.68	6.40	0.06	188.98	0.03	-5.86e-03
20	76	100.00	-364.38	6.42	0.06	176.28	0.06	-2.03e-03
20	76	150.00	-359.57	6.43	0.08	170.11	0.10	1.67e-03
20	76	200.00	-355.84	6.44	0.10	166.81	0.15	5.81e-03
20	76	250.00	-352.01	6.48	0.06	164.93	0.18	0.01
20	76	295.00	-336.26	-0.99	-0.07	135.39	0.15	0.01
20	76	340.00	-300.27	-1.53	-0.34	136.30	-3.98e-04	0.01
20	93	0.0	-138.57	1.94	0.17	72.02	0.0	-2.10e-03
20	93	50.00	-138.57	1.94	0.17	72.99	0.08	-3.20e-03
20	93	100.00	-134.00	1.95	0.08	66.89	0.12	-1.17e-03
20	93	150.00	-130.71	1.95	0.03	62.94	0.14	9.42e-04
20	93	200.00	-127.84	1.96	2.01e-03	59.90	0.14	3.12e-03
20	93	250.00	-124.95	1.97	-0.03	57.27	0.12	5.07e-03
20	93	295.00	-118.43	0.19	-0.09	46.24	0.09	5.78e-03
20	93	340.00	-104.90	0.31	-0.19	46.05	-1.15e-04	4.61e-03
20	122	0.0	-179.52	170.95	0.79	-265.22	0.20	-0.03
20	122	50.00	-179.52	170.95	0.79	-263.54	0.19	-0.03
20	122	100.00	-184.58	169.90	0.31	-220.81	0.50	-0.02
20	122	150.00	-190.18	168.97	-0.07	-176.33	0.59	-0.02
20	122	200.00	-195.55	166.38	-0.22	-131.29	0.55	-5.23e-03
20	122	250.00	-202.47	165.54	-0.29	-81.31	0.42	2.64e-03
20	122	295.00	-193.44	122.94	-0.29	-69.80	0.27	6.28e-03
20	122	340.00	-178.68	103.24	-0.43	-44.81	0.07	5.59e-03
20	132	0.0	-194.63	4.95	3.72	479.56	0.93	-0.08
20	132	50.00	-194.63	4.95	3.72	481.25	0.92	-0.08
20	132	100.00	-180.02	2.65	1.52	433.20	2.34	-0.06
20	132	150.00	-167.15	0.77	-0.06	388.24	2.72	-0.06
20	132	200.00	-155.16	-5.91	-0.87	344.92	2.49	-0.03
20	132	250.00	-151.25	-6.55	-1.39	314.63	1.93	-6.23e-03
20	132	295.00	-117.91	6.59	-1.60	240.41	1.19	6.26e-04
20	132	340.00	-94.65	10.18	-1.79	222.68	0.40	-2.28e-03
20	136	0.0	-195.27	-7.31	3.49	500.86	0.87	-0.07
20	136	50.00	-195.27	-7.31	3.49	502.55	0.86	-0.07
20	136	100.00	-181.49	-9.57	1.44	452.66	2.21	-0.05
20	136	150.00	-168.79	-11.40	-0.05	405.01	2.57	-0.05
20	136	200.00	-156.72	-18.01	-0.79	358.72	2.36	-0.01
20	136	250.00	-151.29	-18.57	-1.30	325.26	1.83	6.57e-03
20	136	295.00	-117.78	-2.04	-1.53	249.11	1.14	0.01
20	136	340.00	-92.09	3.19	-1.71	223.86	0.38	9.75e-03
20	141	0.0	-211.89	35.15	-3.85	-349.24	-0.96	0.04
20	141	50.00	-211.89	35.15	-3.85	-347.55	-0.97	0.03
20	141	100.00	-200.94	38.64	-1.48	-338.21	-2.29	0.04
20	141	150.00	-214.85	37.86	0.13	-280.71	-2.62	7.02e-03
20	141	200.00	-228.28	37.56	0.95	-223.21	-2.35	-7.84e-03
20	141	250.00	-240.44	38.21	1.44	-166.34	-1.76	-0.02
20	141	295.00	-258.00	16.42	1.57	-117.99	-1.07	-0.03
20	141	340.00	-239.84	6.43	1.46	-91.42	-0.40	-0.02
20	154	0.0	-176.04	191.75	0.91	-309.27	0.22	-0.04
20	154	50.00	-176.04	191.75	0.91	-307.59	0.21	-0.04
20	154	100.00	-182.30	190.58	0.36	-258.81	0.57	-0.02
20	154	150.00	-188.93	189.54	-0.08	-208.53	0.67	-0.02
20	154	200.00	-195.21	186.64	-0.26	-157.84	0.61	-6.27e-03
20	154	250.00	-203.25	185.70	-0.33	-101.70	0.47	2.37e-03
20	154	295.00	-194.14	138.32	-0.33	-86.98	0.29	6.40e-03
20	154	340.00	-180.07	116.22	-0.47	-59.17	0.08	5.70e-03
20	164	0.0	-193.03	5.23	4.22	530.12	1.05	-0.09

20	164	50.00	-193.03	5.23	4.22	531.81	1.04	-0.09
20	164	100.00	-177.11	2.67	1.72	478.32	2.66	-0.07
20	164	150.00	-162.89	0.58	-0.07	427.80	3.08	-0.07
20	164	200.00	-149.59	-6.88	-1.00	378.89	2.82	-0.03
20	164	250.00	-145.33	-7.59	-1.58	344.47	2.17	-7.60e-03
20	164	295.00	-108.92	7.69	-1.82	262.76	1.34	1.08e-04
20	164	340.00	-85.22	11.79	-2.01	242.32	0.45	-3.06e-03
20	168	0.0	-193.77	-8.61	3.95	554.01	0.99	-0.07
20	168	50.00	-193.77	-8.61	3.95	555.69	0.98	-0.07
20	168	100.00	-178.78	-11.13	1.64	500.13	2.50	-0.05
20	168	150.00	-164.76	-13.17	-0.07	446.60	2.91	-0.05
20	168	200.00	-151.36	-20.55	-0.91	394.37	2.67	-0.02
20	168	250.00	-145.40	-21.16	-1.48	356.37	2.07	6.77e-03
20	168	295.00	-108.81	-2.07	-1.73	272.51	1.28	0.01
20	168	340.00	-82.38	3.88	-1.91	243.64	0.43	0.01
20	173	0.0	-212.43	39.13	-4.35	-407.24	-1.08	0.04
20	173	50.00	-212.43	39.13	-4.35	-405.56	-1.10	0.04
20	173	100.00	-200.85	43.04	-1.68	-393.80	-2.59	0.04
20	173	150.00	-216.90	42.16	0.14	-328.53	-2.97	7.89e-03
20	173	200.00	-232.35	41.83	1.06	-263.45	-2.67	-9.14e-03
20	173	250.00	-246.40	42.56	1.62	-199.14	-2.00	-0.03
20	173	295.00	-267.35	18.49	1.77	-142.56	-1.22	-0.03
20	173	340.00	-249.45	7.26	1.67	-112.85	-0.45	-0.03
20	186	0.0	-176.50	188.77	0.95	-297.03	0.24	-0.04
20	186	50.00	-176.50	188.77	0.95	-295.35	0.22	-0.04
20	186	100.00	-182.43	187.66	0.37	-248.09	0.60	-0.03
20	186	150.00	-188.72	186.68	-0.08	-199.33	0.70	-0.02
20	186	200.00	-194.66	183.91	-0.27	-150.14	0.64	-6.58e-03
20	186	250.00	-202.34	183.01	-0.35	-95.52	0.50	2.30e-03
20	186	295.00	-192.56	136.36	-0.35	-82.78	0.31	6.42e-03
20	186	340.00	-178.57	114.67	-0.49	-55.29	0.09	5.82e-03
20	196	0.0	-193.25	5.68	4.38	544.25	1.09	-0.09
20	196	50.00	-193.25	5.68	4.38	545.93	1.08	-0.09
20	196	100.00	-176.88	3.27	1.79	490.95	2.76	-0.07
20	196	150.00	-162.12	1.37	-0.07	438.75	3.20	-0.07
20	196	200.00	-148.22	-5.72	-1.03	388.04	2.92	-0.03
20	196	250.00	-142.98	-6.32	-1.64	351.11	2.25	-7.63e-03
20	196	295.00	-106.79	8.72	-1.88	269.00	1.39	6.04e-04
20	196	340.00	-82.54	12.96	-2.08	247.18	0.46	-2.30e-03
20	200	0.0	-194.02	-8.11	4.11	566.66	1.03	-0.08
20	200	50.00	-194.02	-8.11	4.11	568.35	1.02	-0.08
20	200	100.00	-178.63	-10.47	1.70	511.46	2.60	-0.06
20	200	150.00	-164.10	-12.32	-0.07	456.41	3.02	-0.06
20	200	200.00	-150.14	-19.33	-0.95	402.55	2.77	-0.02
20	200	250.00	-143.22	-19.83	-1.54	362.19	2.14	6.45e-03
20	200	295.00	-106.98	-1.02	-1.79	278.23	1.32	0.01
20	200	340.00	-80.10	5.05	-1.98	248.21	0.44	0.01
20	201	0.0	-212.97	25.09	-4.74	-394.61	-1.18	0.06
20	201	50.00	-212.97	25.09	-4.74	-392.92	-1.19	0.06
20	201	100.00	-203.60	28.79	-1.82	-380.22	-2.82	0.06
20	201	150.00	-219.95	28.01	0.14	-317.22	-3.23	0.02
20	201	200.00	-235.47	27.78	1.17	-254.60	-2.89	4.52e-03
20	201	250.00	-248.11	28.57	1.77	-192.72	-2.16	-0.01
20	201	295.00	-269.14	8.09	1.91	-137.34	-1.31	-0.02
20	201	340.00	-248.58	-1.35	1.82	-115.49	-0.48	-0.02
20	218	0.0	-171.36	219.02	1.16	-356.25	0.29	-0.04
20	218	50.00	-171.36	219.02	1.16	-354.57	0.27	-0.04
20	218	100.00	-178.93	217.73	0.45	-299.02	0.73	-0.03
20	218	150.00	-186.56	216.61	-0.10	-242.39	0.85	-0.02
20	218	200.00	-193.69	213.42	-0.34	-185.55	0.77	-8.40e-03
20	218	250.00	-202.84	212.39	-0.43	-122.51	0.59	1.88e-03
20	218	295.00	-192.66	158.87	-0.43	-105.81	0.36	6.65e-03
20	218	340.00	-179.66	133.75	-0.57	-74.47	0.11	6.05e-03
20	228	0.0	-190.74	6.57	5.28	634.20	1.32	-0.11
20	228	50.00	-190.74	6.57	5.28	635.88	1.31	-0.11
20	228	100.00	-172.00	3.82	2.15	571.24	3.32	-0.09
20	228	150.00	-154.74	1.67	-0.10	509.07	3.85	-0.08
20	228	200.00	-138.37	-6.50	-1.26	448.31	3.51	-0.04
20	228	250.00	-132.07	-7.15	-1.99	403.37	2.70	-9.80e-03
20	228	295.00	-90.86	11.19	-2.27	308.74	1.66	6.01e-05
20	228	340.00	-65.62	16.33	-2.47	281.79	0.56	-3.21e-03
20	232	0.0	-191.62	-9.36	4.95	658.94	1.24	-0.09
20	232	50.00	-191.62	-9.36	4.95	660.63	1.23	-0.09
20	232	100.00	-174.07	-12.06	2.04	593.93	3.13	-0.07
20	232	150.00	-157.13	-14.15	-0.10	528.63	3.63	-0.07

20	232	200.00	-140.73	-22.22	-1.15	464.34	3.33	-0.02
20	232	250.00	-132.50	-22.76	-1.87	415.56	2.56	6.62e-03
20	232	295.00	-91.27	-0.07	-2.16	318.94	1.58	0.02
20	232	340.00	-62.99	7.17	-2.35	282.49	0.53	0.01
20	233	0.0	-213.82	28.79	-5.64	-487.11	-1.40	0.07
20	233	50.00	-213.82	28.79	-5.64	-485.43	-1.42	0.07
20	233	100.00	-204.31	33.03	-2.16	-467.76	-3.36	0.07
20	233	150.00	-224.11	32.14	0.16	-392.73	-3.85	0.03
20	233	200.00	-242.86	31.89	1.38	-318.36	-3.45	4.81e-03
20	233	250.00	-258.27	32.80	2.09	-244.95	-2.59	-0.02
20	233	295.00	-284.83	9.31	2.28	-176.41	-1.58	-0.02
20	233	340.00	-264.24	-1.79	2.20	-150.83	-0.57	-0.02
20	256	0.0	-263.60	-4.71	-0.04	144.93	0.0	-1.65e-03
20	256	50.00	-263.60	-4.71	-0.04	142.57	-0.02	-1.81e-03
20	256	100.00	-257.13	-4.46	8.07e-03	131.63	-0.01	-2.91e-05
20	256	150.00	-253.24	-4.13	0.06	125.44	0.02	1.88e-03
20	256	200.00	-250.20	-3.77	0.09	121.42	0.06	4.24e-03
20	256	250.00	-247.16	-3.39	0.07	118.51	0.10	6.88e-03
20	256	295.00	-236.19	-6.75	-0.02	97.95	0.09	7.79e-03
20	256	340.00	-210.98	-6.24	-0.21	98.39	-2.85e-04	6.77e-03
20	261	0.0	-149.78	-13.15	-0.02	98.40	0.0	3.96e-04
20	261	50.00	-149.78	-13.15	-0.02	91.83	-8.67e-03	9.57e-04
20	261	100.00	-144.49	-12.74	4.95e-03	82.60	-6.20e-03	1.29e-03
20	261	150.00	-140.78	-12.20	0.03	76.04	0.01	2.02e-03
20	261	200.00	-137.65	-11.60	0.05	70.75	0.04	3.09e-03
20	261	250.00	-134.63	-11.01	0.04	66.16	0.06	4.34e-03
20	261	295.00	-128.18	-10.12	-0.01	54.96	0.05	4.77e-03
20	261	340.00	-114.06	-8.64	-0.12	54.86	-1.46e-04	3.90e-03
20	280	0.0	-261.96	4.43	0.04	129.19	0.0	-3.02e-03
20	280	50.00	-261.96	4.43	0.04	131.41	0.02	-4.03e-03
20	280	100.00	-256.00	4.44	0.04	122.45	0.04	-1.39e-03
20	280	150.00	-252.49	4.45	0.06	118.10	0.07	1.15e-03
20	280	200.00	-249.74	4.46	0.07	115.77	0.10	4.00e-03
20	280	250.00	-246.91	4.48	0.04	114.44	0.13	6.96e-03
20	280	295.00	-235.80	-0.68	-0.05	93.88	0.11	8.01e-03
20	280	340.00	-210.44	-1.03	-0.24	94.88	-2.81e-04	6.98e-03
20	285	0.0	-147.06	2.08	0.11	72.19	0.0	-1.89e-03
20	285	50.00	-147.06	2.08	0.11	73.23	0.05	-2.75e-03
20	285	100.00	-142.62	2.09	0.05	67.29	0.08	-9.69e-04
20	285	150.00	-139.54	2.10	0.03	63.79	0.10	8.11e-04
20	285	200.00	-136.88	2.10	0.02	61.33	0.11	2.69e-03
20	285	250.00	-134.21	2.12	-6.62e-03	59.36	0.10	4.47e-03
20	285	295.00	-127.54	-2.46e-03	-0.06	48.17	0.07	5.14e-03
20	285	340.00	-113.16	0.04	-0.17	49.01	-1.40e-04	4.26e-03
20	298	0.0	-217.79	3.59	-0.03	101.97	0.0	-2.23e-03
20	298	50.00	-217.79	3.59	-0.03	103.76	-0.01	-2.82e-03
20	298	100.00	-212.85	3.60	8.12e-03	96.70	-8.74e-03	-9.39e-04
20	298	150.00	-209.91	3.60	0.05	93.60	0.02	7.64e-04
20	298	200.00	-207.59	3.61	0.07	92.25	0.05	2.75e-03
20	298	250.00	-205.20	3.63	0.06	91.78	0.08	4.93e-03
20	298	295.00	-195.93	-0.74	-0.01	75.32	0.08	5.74e-03
20	298	340.00	-174.60	-1.07	-0.17	77.30	-2.46e-04	5.22e-03
20	303	0.0	-207.18	4.89	-0.02	92.91	0.0	-2.26e-03
20	303	50.00	-207.18	4.89	-0.02	95.36	-0.01	-2.90e-03
20	303	100.00	-202.53	4.85	7.76e-03	89.01	-7.92e-03	-1.05e-03
20	303	150.00	-199.76	4.81	0.05	86.42	0.02	5.71e-04
20	303	200.00	-197.56	4.75	0.07	85.51	0.05	2.43e-03
20	303	250.00	-195.28	4.71	0.05	85.41	0.08	4.48e-03
20	303	295.00	-186.46	0.30	-0.01	69.97	0.07	5.26e-03
20	303	340.00	-166.08	-0.15	-0.16	72.39	-2.37e-04	4.84e-03
20	308	0.0	-146.29	2.05	0.01	65.02	0.0	-1.40e-03
20	308	50.00	-146.29	2.05	0.01	66.05	5.09e-03	-1.82e-03
20	308	100.00	-142.30	2.06	0.02	60.83	0.01	-5.73e-04
20	308	150.00	-139.64	2.06	0.03	58.22	0.03	5.51e-04
20	308	200.00	-137.38	2.06	0.04	56.77	0.05	1.81e-03
20	308	250.00	-135.08	2.08	0.03	55.87	0.06	3.16e-03
20	308	295.00	-128.73	-0.26	-0.02	45.58	0.05	3.72e-03
20	308	340.00	-114.32	-0.31	-0.12	48.06	-1.63e-04	3.33e-03
20	309	0.0	-146.10	2.04	-0.01	63.23	0.0	-1.28e-03
20	309	50.00	-146.10	2.04	-0.01	64.25	-6.96e-03	-1.59e-03
20	309	100.00	-142.23	2.05	5.34e-03	59.21	-4.29e-03	-4.74e-04
20	309	150.00	-139.66	2.05	0.03	56.83	0.01	4.86e-04
20	309	200.00	-137.50	2.06	0.05	55.62	0.03	1.59e-03
20	309	250.00	-135.30	2.07	0.04	55.00	0.05	2.83e-03
20	309	295.00	-129.03	-0.32	-9.87e-03	44.93	0.05	3.36e-03

20	309	340.00	-114.61	-0.39	-0.11	47.82	-1.69e-04	3.10e-03
20	310	0.0	-207.55	3.37	-0.02	96.43	0.0	-2.09e-03
20	310	50.00	-207.55	3.37	-0.02	98.11	-0.01	-2.65e-03
20	310	100.00	-202.76	3.37	7.72e-03	91.35	-8.11e-03	-8.73e-04
20	310	150.00	-199.87	3.38	0.05	88.35	0.02	7.24e-04
20	310	200.00	-197.58	3.38	0.07	87.02	0.05	2.58e-03
20	310	250.00	-195.21	3.40	0.05	86.53	0.08	4.63e-03
20	310	295.00	-186.37	-0.68	-0.01	70.98	0.07	5.40e-03
20	310	340.00	-166.03	-0.97	-0.16	73.09	-2.35e-04	4.91e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-375.14	-22.76	-5.64	-487.11	-3.85	-0.11
			-62.99	219.02	5.28	660.63	3.85	0.07

Macro	Tipo	Angolo 1-Z (gradi)
21	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
21	15	700.00	-3.00	0.21	-3.20e-05	0.73	0.0	5.35e-05
21	15	753.33	-3.00	0.21	-3.20e-05	0.85	-1.71e-05	-6.53e-06
21	15	806.67	-2.64	-0.81	-3.20e-05	0.41	-3.41e-05	1.71e-05
21	15	860.00	-2.31	-0.81	-3.20e-05	-0.02	-5.12e-05	2.26e-05
21	15	910.00	-1.98	-0.81	-3.20e-05	-0.42	-6.72e-05	2.84e-05
21	15	960.00	-1.67	-0.81	-3.20e-05	-0.83	-8.32e-05	3.95e-05
21	15	1010.00	-1.09	0.19	3.56e-04	-0.42	9.48e-05	5.14e-05
21	15	1060.00	-0.36	-0.15	-1.90e-04	-0.18	0.0	1.45e-04
21	28	700.00	-2.13	0.82	-1.77e-04	2.13	0.0	1.28e-04
21	28	753.33	-2.13	0.82	-1.77e-04	2.57	-9.45e-05	2.84e-05
21	28	806.67	-1.38	-2.47	-1.77e-04	1.25	-1.89e-04	8.64e-05
21	28	860.00	-1.05	-2.47	-1.77e-04	-0.07	-2.84e-04	1.14e-04
21	28	910.00	-0.73	-2.47	-1.77e-04	-1.30	-3.72e-04	1.54e-04
21	28	960.00	-0.42	-2.47	-1.77e-04	-2.54	-4.61e-04	2.32e-04
21	28	1010.00	-0.20	0.86	1.02e-03	-1.21	4.97e-05	3.98e-04
21	28	1060.00	-0.04	0.06	-9.95e-05	-0.41	0.0	5.28e-04
21	38	700.00	-1.41	0.67	-6.78e-05	1.73	0.0	1.16e-04
21	38	753.33	-1.41	0.67	-6.78e-05	2.09	-3.62e-05	1.39e-05
21	38	806.67	-0.82	-2.03	-6.78e-05	1.01	-7.24e-05	6.47e-05
21	38	860.00	-0.57	-2.03	-6.78e-05	-0.08	-1.09e-04	8.23e-05
21	38	910.00	-0.32	-2.03	-6.78e-05	-1.09	-1.42e-04	1.05e-04
21	38	960.00	-0.08	-2.03	-6.78e-05	-2.10	-1.76e-04	1.48e-04
21	38	1010.00	0.02	0.72	6.68e-04	-1.00	1.58e-04	2.27e-04
21	38	1060.00	0.03	0.03	-3.15e-04	-0.35	0.0	3.63e-04
21	70	700.00	-1.97	0.22	0.06	0.65	0.0	1.63e-03
21	70	753.33	-1.97	0.22	0.06	0.77	0.03	2.37e-03
21	70	806.67	-1.58	-0.76	0.06	0.36	0.06	2.60e-03
21	70	860.00	-1.33	-0.76	0.06	-0.04	0.09	2.34e-03
21	70	910.00	-1.08	-0.76	0.06	-0.42	0.12	1.50e-03
21	70	960.00	-0.84	-0.76	0.06	-0.80	0.15	-2.93e-04
21	70	1010.00	-0.51	0.23	-0.16	-0.39	0.07	-5.06e-03
21	70	1060.00	-0.15	-0.10	-0.14	-0.16	0.0	-3.97e-03
21	116	700.00	-1.32	3.79	-0.13	6.88	-0.02	-2.71e-03
21	116	753.33	-1.32	3.79	-0.13	7.08	-0.02	-3.69e-03
21	116	806.67	-1.06	-9.20	-0.06	5.25	-0.01	-4.32e-03
21	116	860.00	-0.94	-9.06	-0.04	0.51	-0.02	-4.29e-03
21	116	910.00	-0.57	-8.91	-0.02	-4.12	-0.02	-3.79e-03
21	116	960.00	-0.35	-8.75	7.56e-03	-8.48	-0.10	-2.74e-03
21	116	1010.00	-0.06	4.01	0.10	-5.18	-0.08	-1.57e-03
21	116	1060.00	0.07	1.11	0.11	-1.41	-0.03	-2.00e-03
21	118	700.00	-3.11	-2.43	-0.13	-3.45	-0.05	1.84e-03
21	118	753.33	-3.11	-2.43	-0.13	-3.26	-0.05	2.25e-03
21	118	806.67	-2.93	5.18	-0.14	-2.94	-0.18	2.63e-03
21	118	860.00	-2.54	5.05	-0.09	-0.32	-0.26	2.60e-03
21	118	910.00	-2.37	4.91	-0.05	2.29	-0.31	2.25e-03
21	118	960.00	-2.10	4.78	-0.01	4.67	-0.25	1.45e-03
21	118	1010.00	-1.50	-2.55	0.21	3.10	-0.19	5.35e-04
21	118	1060.00	-0.58	-0.79	0.28	0.75	-0.07	5.07e-04
21	119	700.00	-1.12	3.14	0.13	5.44	0.05	-1.72e-03
21	119	753.33	-1.12	3.14	0.13	5.63	0.05	-2.23e-03
21	119	806.67	-0.50	-7.44	0.14	4.10	0.18	-2.55e-03
21	119	860.00	-0.38	-7.31	0.09	0.27	0.26	-2.49e-03
21	119	910.00	-0.05	-7.18	0.05	-3.47	0.31	-2.10e-03

21	119	960.00	0.16	-7.04	0.01	-6.98	0.25	-1.22e-03
21	119	1010.00	0.28	3.27	-0.21	-4.21	0.19	-1.51e-04
21	119	1060.00	0.19	0.73	-0.28	-1.16	0.07	1.30e-05
21	129	700.00	-2.08	-1.89	0.44	-3.36	0.11	3.60e-03
21	129	753.33	-2.08	-1.89	0.44	-3.17	0.11	4.75e-03
21	129	806.67	-1.12	4.51	0.32	-2.89	0.30	5.68e-03
21	129	860.00	-0.82	4.43	0.22	-0.58	0.43	5.62e-03
21	129	910.00	-0.66	4.36	0.11	1.70	0.51	4.97e-03
21	129	960.00	-0.42	4.28	9.04e-04	3.82	0.56	3.53e-03
21	129	1010.00	-0.31	-2.11	-0.51	2.61	0.44	1.56e-03
21	129	1060.00	-0.12	-1.03	-0.62	0.63	0.16	3.14e-03
21	148	700.00	-1.23	4.22	-0.15	7.62	-0.02	-3.06e-03
21	148	753.33	-1.23	4.22	-0.15	7.81	-0.02	-4.15e-03
21	148	806.67	-0.99	-10.21	-0.06	5.84	-0.01	-4.86e-03
21	148	860.00	-0.88	-10.04	-0.04	0.57	-0.02	-4.83e-03
21	148	910.00	-0.50	-9.88	-0.02	-4.56	-0.02	-4.28e-03
21	148	960.00	-0.28	-9.71	8.55e-03	-9.39	-0.11	-3.10e-03
21	148	1010.00	8.31e-03	4.47	0.11	-5.76	-0.09	-1.78e-03
21	148	1060.00	0.10	1.25	0.12	-1.56	-0.03	-2.25e-03
21	150	700.00	-3.24	-2.77	-0.15	-4.00	-0.05	2.06e-03
21	150	753.33	-3.24	-2.77	-0.15	-3.81	-0.06	2.52e-03
21	150	806.67	-3.08	5.95	-0.16	-3.37	-0.20	2.94e-03
21	150	860.00	-2.68	5.80	-0.11	-0.35	-0.29	2.91e-03
21	150	910.00	-2.51	5.65	-0.06	2.64	-0.35	2.51e-03
21	150	960.00	-2.24	5.50	-0.01	5.38	-0.28	1.61e-03
21	150	1010.00	-1.61	-2.91	0.24	3.54	-0.22	5.61e-04
21	150	1060.00	-0.63	-0.89	0.31	0.87	-0.08	5.09e-04
21	151	700.00	-0.99	3.49	0.14	5.99	0.05	-1.93e-03
21	151	753.33	-0.99	3.49	0.14	6.18	0.05	-2.50e-03
21	151	806.67	-0.35	-8.22	0.16	4.53	0.20	-2.86e-03
21	151	860.00	-0.24	-8.07	0.11	0.30	0.29	-2.80e-03
21	151	910.00	0.09	-7.92	0.06	-3.82	0.35	-2.37e-03
21	151	960.00	0.30	-7.77	0.01	-7.69	0.28	-1.39e-03
21	151	1010.00	0.39	3.63	-0.24	-4.66	0.22	-1.76e-04
21	151	1060.00	0.23	0.83	-0.31	-1.28	0.08	1.05e-05
21	161	700.00	-2.07	-2.18	0.49	-3.93	0.13	4.05e-03
21	161	753.33	-2.07	-2.18	0.49	-3.74	0.13	5.36e-03
21	161	806.67	-1.04	5.23	0.36	-3.34	0.33	6.40e-03
21	161	860.00	-0.73	5.15	0.24	-0.65	0.49	6.34e-03
21	161	910.00	-0.58	5.07	0.12	2.00	0.58	5.61e-03
21	161	960.00	-0.35	4.98	9.30e-04	4.46	0.64	3.98e-03
21	161	1010.00	-0.27	-2.43	-0.57	3.02	0.50	1.71e-03
21	161	1060.00	-0.11	-1.16	-0.71	0.73	0.18	3.45e-03
21	180	700.00	-1.25	4.19	-0.15	7.57	-0.02	-3.02e-03
21	180	753.33	-1.25	4.19	-0.15	7.76	-0.02	-4.10e-03
21	180	806.67	-1.02	-10.14	-0.07	5.80	-0.02	-4.81e-03
21	180	860.00	-0.91	-9.98	-0.05	0.56	-0.02	-4.79e-03
21	180	910.00	-0.54	-9.81	-0.02	-4.53	-0.03	-4.26e-03
21	180	960.00	-0.32	-9.65	8.73e-03	-9.33	-0.12	-3.12e-03
21	180	1010.00	-0.02	4.44	0.12	-5.72	-0.09	-1.68e-03
21	180	1060.00	0.09	1.25	0.13	-1.55	-0.03	-2.03e-03
21	182	700.00	-3.22	-2.72	-0.15	-3.89	-0.06	2.01e-03
21	182	753.33	-3.22	-2.72	-0.15	-3.70	-0.06	2.47e-03
21	182	806.67	-3.07	5.82	-0.16	-3.29	-0.21	2.87e-03
21	182	860.00	-2.67	5.67	-0.11	-0.33	-0.30	2.84e-03
21	182	910.00	-2.50	5.53	-0.06	2.58	-0.36	2.46e-03
21	182	960.00	-2.23	5.38	-0.01	5.26	-0.29	1.58e-03
21	182	1010.00	-1.60	-2.85	0.25	3.47	-0.22	4.57e-04
21	182	1060.00	-0.62	-0.87	0.32	0.85	-0.08	3.35e-04
21	193	700.00	-2.05	-2.23	0.51	-4.03	0.13	4.10e-03
21	193	753.33	-2.05	-2.23	0.51	-3.84	0.13	5.42e-03
21	193	806.67	-1.00	5.35	0.38	-3.41	0.35	6.49e-03
21	193	860.00	-0.69	5.27	0.25	-0.66	0.51	6.44e-03
21	193	910.00	-0.53	5.18	0.13	2.04	0.60	5.72e-03
21	193	960.00	-0.29	5.09	2.88e-04	4.56	0.66	4.07e-03
21	193	1010.00	-0.23	-2.48	-0.59	3.08	0.51	1.61e-03
21	193	1060.00	-0.10	-1.19	-0.73	0.75	0.18	3.16e-03
21	203	700.00	-1.37	0.41	0.49	0.38	0.14	-1.96e-04
21	203	753.33	-1.37	0.41	0.49	0.57	0.14	1.34e-04
21	203	806.67	-0.25	-0.75	0.39	0.08	0.39	3.21e-04
21	203	860.00	-0.02	-0.73	0.26	-0.31	0.57	5.15e-04
21	203	910.00	0.16	-0.71	0.13	-0.67	0.68	9.43e-04
21	203	960.00	0.39	-0.68	7.83e-03	-1.02	0.69	2.02e-03
21	203	1010.00	0.33	0.31	-0.61	-0.44	0.53	4.13e-03
21	203	1060.00	0.16	-0.34	-0.76	-0.17	0.19	4.75e-03

21	212	700.00	-1.11	4.86	-0.18	8.72	-0.03	-3.57e-03
21	212	753.33	-1.11	4.86	-0.18	8.91	-0.03	-4.84e-03
21	212	806.67	-0.92	-11.71	-0.08	6.71	-0.02	-5.68e-03
21	212	860.00	-0.83	-11.52	-0.06	0.67	-0.03	-5.66e-03
21	212	910.00	-0.44	-11.33	-0.03	-5.21	-0.04	-5.05e-03
21	212	960.00	-0.24	-11.13	0.01	-10.75	-0.14	-3.71e-03
21	212	1010.00	0.07	5.14	0.14	-6.61	-0.11	-2.00e-03
21	212	1060.00	0.14	1.48	0.16	-1.79	-0.04	-2.39e-03
21	225	700.00	-2.03	-2.72	0.62	-5.00	0.16	4.88e-03
21	225	753.33	-2.03	-2.72	0.62	-4.81	0.16	6.48e-03
21	225	806.67	-0.84	6.60	0.45	-4.19	0.42	7.74e-03
21	225	860.00	-0.52	6.50	0.30	-0.79	0.61	7.69e-03
21	225	910.00	-0.38	6.40	0.15	2.54	0.73	6.83e-03
21	225	960.00	-0.14	6.29	2.59e-04	5.66	0.80	4.86e-03
21	225	1010.00	-0.14	-3.02	-0.72	3.78	0.62	1.85e-03
21	225	1060.00	-0.08	-1.42	-0.88	0.93	0.22	3.61e-03
21	234	700.00	-2.99	0.32	-0.58	1.77	-0.16	3.66e-04
21	234	753.33	-2.99	0.32	-0.58	1.96	-0.16	-1.16e-04
21	234	806.67	-3.45	-1.64	-0.46	1.21	-0.46	-2.81e-04
21	234	860.00	-3.16	-1.67	-0.31	0.33	-0.68	-4.89e-04
21	234	910.00	-2.84	-1.70	-0.16	-0.52	-0.80	-9.63e-04
21	234	960.00	-2.58	-1.72	-9.39e-03	-1.37	-0.82	-2.16e-03
21	234	1010.00	-1.73	0.44	0.73	-0.74	-0.64	-4.50e-03
21	234	1060.00	-0.61	0.35	0.91	-0.25	-0.23	-5.10e-03
21	235	700.00	-1.24	0.39	0.58	0.22	0.16	-2.44e-04
21	235	753.33	-1.24	0.39	0.58	0.41	0.16	1.42e-04
21	235	806.67	0.02	-0.63	0.46	-0.05	0.46	3.63e-04
21	235	860.00	0.24	-0.60	0.31	-0.37	0.68	5.97e-04
21	235	910.00	0.42	-0.57	0.16	-0.66	0.80	1.11e-03
21	235	960.00	0.64	-0.54	9.20e-03	-0.94	0.82	2.38e-03
21	235	1010.00	0.51	0.28	-0.72	-0.38	0.64	4.88e-03
21	235	1060.00	0.22	-0.41	-0.91	-0.16	0.23	5.62e-03
21	248	700.00	-2.34	0.16	-2.15e-05	0.54	0.0	4.04e-05
21	248	753.33	-2.34	0.16	-2.15e-05	0.63	-1.15e-05	-3.31e-06
21	248	806.67	-2.07	-0.60	-2.15e-05	0.31	-2.30e-05	1.44e-05
21	248	860.00	-1.82	-0.60	-2.15e-05	-0.01	-3.45e-05	1.87e-05
21	248	910.00	-1.57	-0.60	-2.15e-05	-0.32	-4.52e-05	2.30e-05
21	248	960.00	-1.33	-0.60	-2.15e-05	-0.62	-5.60e-05	3.14e-05
21	248	1010.00	-0.86	0.15	2.57e-04	-0.31	7.23e-05	4.08e-05
21	248	1060.00	-0.29	-0.11	-1.45e-04	-0.13	0.0	1.08e-04
21	256	700.00	-1.76	0.57	-1.18e-04	1.48	0.0	8.99e-05
21	256	753.33	-1.76	0.57	-1.18e-04	1.78	-6.31e-05	2.00e-05
21	256	806.67	-1.23	-1.71	-1.18e-04	0.87	-1.26e-04	6.06e-05
21	256	860.00	-0.98	-1.71	-1.18e-04	-0.05	-1.89e-04	7.94e-05
21	256	910.00	-0.73	-1.71	-1.18e-04	-0.90	-2.49e-04	1.07e-04
21	256	960.00	-0.49	-1.71	-1.18e-04	-1.76	-3.08e-04	1.60e-04
21	256	1010.00	-0.27	0.59	7.00e-04	-0.84	4.22e-05	2.72e-04
21	256	1060.00	-0.07	0.03	-8.45e-05	-0.29	0.0	3.64e-04
21	259	700.00	-1.67	0.54	-5.39e-05	1.42	0.0	9.44e-05
21	259	753.33	-1.67	0.54	-5.39e-05	1.71	-2.88e-05	7.99e-06
21	259	806.67	-1.17	-1.66	-5.39e-05	0.83	-5.75e-05	4.93e-05
21	259	860.00	-0.92	-1.66	-5.39e-05	-0.06	-8.63e-05	6.31e-05
21	259	910.00	-0.67	-1.66	-5.39e-05	-0.89	-1.13e-04	8.05e-05
21	259	960.00	-0.43	-1.66	-5.39e-05	-1.72	-1.40e-04	1.14e-04
21	259	1010.00	-0.22	0.57	5.50e-04	-0.82	1.35e-04	1.74e-04
21	259	1060.00	-0.06	5.31e-03	-2.70e-04	-0.29	0.0	2.90e-04
21	274	700.00	-2.04	0.24	0.04	0.70	0.0	1.10e-03
21	274	753.33	-2.04	0.24	0.04	0.83	0.02	1.58e-03
21	274	806.67	-1.68	-0.82	0.04	0.40	0.04	1.74e-03
21	274	860.00	-1.42	-0.82	0.04	-0.04	0.06	1.57e-03
21	274	910.00	-1.17	-0.82	0.04	-0.45	0.08	1.01e-03
21	274	960.00	-0.93	-0.82	0.04	-0.85	0.10	-1.80e-04
21	274	1010.00	-0.58	0.25	-0.11	-0.42	0.05	-3.35e-03
21	274	1060.00	-0.18	-0.08	-0.09	-0.17	0.0	-2.60e-03
21	301	700.00	-2.04	0.37	-8.56e-05	1.03	0.0	6.58e-05
21	301	753.33	-2.04	0.37	-8.56e-05	1.23	-4.57e-05	1.08e-05
21	301	806.67	-1.63	-1.18	-8.56e-05	0.60	-9.13e-05	4.06e-05
21	301	860.00	-1.38	-1.18	-8.56e-05	-0.03	-1.37e-04	5.33e-05
21	301	910.00	-1.13	-1.18	-8.56e-05	-0.62	-1.80e-04	7.16e-05
21	301	960.00	-0.89	-1.18	-8.56e-05	-1.21	-2.23e-04	1.07e-04
21	301	1010.00	-0.55	0.37	5.23e-04	-0.59	3.90e-05	1.79e-04
21	301	1060.00	-0.18	-0.04	-7.80e-05	-0.21	0.0	2.57e-04
21	302	700.00	-2.31	0.23	-1.96e-05	0.67	0.0	4.53e-05
21	302	753.33	-2.31	0.23	-1.96e-05	0.79	-1.04e-05	-1.11e-06
21	302	806.67	-2.02	-0.76	-1.96e-05	0.38	-2.09e-05	1.87e-05

21	302	860.00	-1.76	-0.76	-1.96e-05	-0.02	-3.13e-05	2.40e-05
21	302	910.00	-1.51	-0.76	-1.96e-05	-0.41	-4.11e-05	2.99e-05
21	302	960.00	-1.27	-0.76	-1.96e-05	-0.79	-5.09e-05	4.12e-05
21	302	1010.00	-0.81	0.23	2.64e-04	-0.39	8.10e-05	5.74e-05
21	302	1060.00	-0.26	-0.06	-1.62e-04	-0.15	0.0	1.25e-04
21	305	700.00	-2.10	0.39	-9.50e-05	1.06	0.0	6.36e-05
21	305	753.33	-2.10	0.39	-9.50e-05	1.27	-5.07e-05	1.40e-05
21	305	806.67	-1.69	-1.21	-9.50e-05	0.62	-1.01e-04	4.30e-05
21	305	860.00	-1.43	-1.21	-9.50e-05	-0.03	-1.52e-04	5.67e-05
21	305	910.00	-1.18	-1.21	-9.50e-05	-0.64	-2.00e-04	7.72e-05
21	305	960.00	-0.94	-1.21	-9.50e-05	-1.24	-2.47e-04	1.17e-04
21	305	1010.00	-0.59	0.40	5.34e-04	-0.60	1.99e-05	2.01e-04
21	305	1060.00	-0.19	-4.41e-03	-3.98e-05	-0.21	0.0	2.68e-04
21	306	700.00	-2.28	0.24	7.81e-03	0.68	0.0	2.56e-04
21	306	753.33	-2.28	0.24	7.81e-03	0.81	4.16e-03	3.17e-04
21	306	806.67	-1.98	-0.78	7.81e-03	0.39	8.33e-03	3.64e-04
21	306	860.00	-1.73	-0.78	7.81e-03	-0.03	0.01	3.34e-04
21	306	910.00	-1.48	-0.78	7.81e-03	-0.42	0.02	2.29e-04
21	306	960.00	-1.24	-0.78	7.81e-03	-0.81	0.02	1.34e-06
21	306	1010.00	-0.78	0.24	-0.02	-0.39	9.49e-03	-6.15e-04
21	306	1060.00	-0.25	-0.05	-0.02	-0.15	0.0	-4.15e-04
21	309	700.00	-2.30	0.25	-1.91e-05	0.70	0.0	4.65e-05
21	309	753.33	-2.30	0.25	-1.91e-05	0.83	-1.02e-05	0.0
21	309	806.67	-2.01	-0.80	-1.91e-05	0.40	-2.04e-05	1.98e-05
21	309	860.00	-1.75	-0.80	-1.91e-05	-0.03	-3.06e-05	2.53e-05
21	309	910.00	-1.50	-0.80	-1.91e-05	-0.43	-4.01e-05	3.16e-05
21	309	960.00	-1.26	-0.80	-1.91e-05	-0.83	-4.96e-05	4.37e-05
21	309	1010.00	-0.80	0.25	2.66e-04	-0.40	8.32e-05	6.16e-05
21	309	1060.00	-0.26	-0.04	-1.66e-04	-0.15	0.0	1.29e-04
21	310	700.00	-2.11	0.36	-9.60e-05	0.99	0.0	6.11e-05
21	310	753.33	-2.11	0.36	-9.60e-05	1.19	-5.12e-05	1.29e-05
21	310	806.67	-1.71	-1.13	-9.60e-05	0.58	-1.02e-04	4.09e-05
21	310	860.00	-1.46	-1.13	-9.60e-05	-0.02	-1.54e-04	5.41e-05
21	310	910.00	-1.21	-1.13	-9.60e-05	-0.59	-2.02e-04	7.37e-05
21	310	960.00	-0.97	-1.13	-9.60e-05	-1.16	-2.50e-04	1.12e-04
21	310	1010.00	-0.61	0.36	5.30e-04	-0.56	1.55e-05	1.92e-04
21	310	1060.00	-0.20	-0.03	-3.11e-05	-0.20	0.0	2.60e-04

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-3.45	-11.71	-0.91	-10.75	-0.82	-5.68e-03
			0.64	6.60	0.91	8.91	0.82	7.74e-03

Macro	Tipo	Angolo 1-Z (gradi)
22	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
22	35	700.00	-86.43	-34.06	-0.16	1.11	0.0	0.02
22	35	753.33	-86.43	-34.06	-0.16	-17.05	-0.08	0.02
22	35	806.67	-81.85	-34.71	0.14	-20.77	-6.53e-03	0.01
22	35	860.00	-77.66	-33.76	0.18	-24.75	0.09	0.01
22	35	910.00	-73.53	-32.77	0.18	-27.76	0.18	8.61e-03
22	35	960.00	-69.50	-31.81	0.14	-30.79	0.25	-2.59e-03
22	35	1010.00	-65.53	-30.96	-0.07	-33.44	0.22	-0.03
22	35	1060.00	-53.65	-30.03	-0.40	-33.22	9.72e-03	-8.47e-03
22	44	700.00	-72.82	-36.44	-0.15	11.81	0.0	0.02
22	44	753.33	-72.82	-36.44	-0.15	-7.63	-0.08	0.02
22	44	806.67	-68.10	-36.74	0.13	-12.03	-0.01	0.01
22	44	860.00	-63.76	-35.21	0.16	-16.42	0.08	0.01
22	44	910.00	-59.53	-33.57	0.17	-19.70	0.16	8.35e-03
22	44	960.00	-55.43	-32.00	0.13	-22.93	0.23	-1.50e-03
22	44	1010.00	-51.40	-30.61	-0.07	-25.81	0.19	-0.02
22	44	1060.00	-41.31	-29.00	-0.36	-25.42	8.52e-03	-7.82e-03
22	55	700.00	-42.26	-23.47	-0.12	8.51	0.0	0.02
22	55	753.33	-42.26	-23.47	-0.12	-4.00	-0.06	0.02
22	55	806.67	-39.00	-24.07	0.12	-5.60	3.82e-03	0.01
22	55	860.00	-35.90	-23.99	0.16	-7.57	0.09	0.01
22	55	910.00	-32.81	-23.95	0.17	-8.97	0.18	9.93e-03
22	55	960.00	-29.75	-23.93	0.13	-10.53	0.24	1.99e-03
22	55	1010.00	-26.59	-23.90	-0.12	-12.29	0.18	-0.02
22	55	1060.00	-19.70	-23.08	-0.34	-12.08	6.78e-03	-8.57e-03
22	59	700.00	-86.20	-28.32	-0.14	-7.69	0.0	0.02

22	59	753.33	-86.20	-28.32	-0.14	-22.79	-0.07	0.02
22	59	806.67	-81.89	-29.48	0.16	-24.77	0.01	0.01
22	59	860.00	-77.91	-29.42	0.20	-27.23	0.12	0.02
22	59	910.00	-73.94	-29.38	0.21	-29.04	0.22	9.86e-03
22	59	960.00	-70.00	-29.36	0.15	-31.03	0.30	-1.53e-03
22	59	1010.00	-66.02	-29.33	-0.11	-32.96	0.24	-0.03
22	59	1060.00	-53.65	-29.04	-0.45	-33.10	0.01	-9.63e-03
22	116	700.00	-48.21	-80.54	-0.89	106.91	-0.31	-0.03
22	116	753.33	-48.21	-80.54	-0.89	98.50	-0.35	-0.03
22	116	806.67	-42.64	-82.46	-0.53	77.87	-0.75	-0.05
22	116	860.00	-37.92	-81.24	-0.27	56.99	-1.18	-0.05
22	116	910.00	-32.87	-79.81	-0.05	36.11	-1.19	-0.05
22	116	960.00	-28.29	-78.36	0.20	15.92	-1.28	-0.05
22	116	1010.00	-24.54	-76.94	0.90	-1.61	-0.74	-0.03
22	116	1060.00	-15.59	-72.77	1.18	-21.13	-0.33	1.46e-03
22	123	700.00	-55.19	-93.87	0.79	77.03	0.23	0.05
22	123	753.33	-55.19	-93.87	0.79	68.62	0.18	0.05
22	123	806.67	-48.72	-97.67	0.98	52.16	0.68	0.01
22	123	860.00	-43.67	-95.77	0.58	38.22	1.10	0.01
22	123	910.00	-38.76	-93.78	0.28	25.57	1.29	5.70e-03
22	123	960.00	-34.24	-91.84	-0.12	14.39	1.38	-1.23e-03
22	123	1010.00	-29.53	-89.97	-0.86	2.12	1.07	-0.02
22	123	1060.00	-16.25	-84.31	-1.65	-22.98	0.34	-4.97e-04
22	135	700.00	-54.95	-54.28	3.20	-18.20	0.87	0.10
22	135	753.33	-54.95	-54.28	3.20	-26.61	0.83	0.09
22	135	806.67	-50.20	-60.07	2.71	-26.66	2.43	0.06
22	135	860.00	-46.69	-58.91	1.57	-22.18	3.58	0.06
22	135	910.00	-43.20	-57.95	0.61	-15.31	4.14	0.05
22	135	960.00	-40.01	-57.11	-0.56	-6.16	4.17	0.04
22	135	1010.00	-35.74	-56.41	-3.13	-1.67	3.21	-0.01
22	135	1060.00	-20.31	-52.41	-4.72	-18.78	1.09	-0.01
22	148	700.00	-48.79	-88.44	-1.00	119.92	-0.35	-0.03
22	148	753.33	-48.79	-88.44	-1.00	111.51	-0.39	-0.03
22	148	806.67	-42.94	-90.54	-0.61	88.45	-0.85	-0.06
22	148	860.00	-38.01	-89.18	-0.32	65.14	-1.34	-0.06
22	148	910.00	-32.72	-87.57	-0.07	41.79	-1.36	-0.06
22	148	960.00	-27.94	-85.94	0.21	19.23	-1.47	-0.06
22	148	1010.00	-24.11	-84.36	1.02	-0.34	-0.86	-0.03
22	148	1060.00	-14.90	-79.72	1.36	-22.12	-0.37	2.35e-03
22	155	700.00	-56.69	-103.55	0.90	86.01	0.26	0.06
22	155	753.33	-56.69	-103.55	0.90	77.60	0.21	0.05
22	155	806.67	-49.82	-107.79	1.10	59.28	0.77	0.01
22	155	860.00	-44.52	-105.66	0.64	43.87	1.24	0.01
22	155	910.00	-39.39	-103.43	0.30	29.87	1.45	5.88e-03
22	155	960.00	-34.69	-101.25	-0.14	17.52	1.54	-1.23e-03
22	155	1010.00	-29.77	-99.15	-0.97	3.92	1.20	-0.02
22	155	1060.00	-15.60	-92.83	-1.84	-24.34	0.39	4.02e-05
22	167	700.00	-56.44	-59.09	3.64	-21.43	0.99	0.11
22	167	753.33	-56.44	-59.09	3.64	-29.84	0.94	0.11
22	167	806.67	-51.51	-65.60	3.06	-29.66	2.76	0.07
22	167	860.00	-47.96	-64.29	1.77	-24.27	4.05	0.06
22	167	910.00	-44.43	-63.22	0.68	-16.24	4.68	0.06
22	167	960.00	-41.23	-62.28	-0.65	-5.63	4.71	0.04
22	167	1010.00	-36.80	-61.50	-3.54	-0.31	3.63	-9.94e-03
22	167	1060.00	-20.15	-57.03	-5.32	-19.72	1.23	-0.01
22	180	700.00	-48.62	-86.89	-1.04	119.91	-0.36	-0.03
22	180	753.33	-48.62	-86.89	-1.04	111.49	-0.41	-0.03
22	180	806.67	-42.80	-88.79	-0.65	88.42	-0.89	-0.06
22	180	860.00	-37.85	-87.46	-0.34	64.89	-1.39	-0.06
22	180	910.00	-32.55	-85.88	-0.08	41.40	-1.41	-0.06
22	180	960.00	-27.77	-84.28	0.22	18.73	-1.53	-0.06
22	180	1010.00	-23.96	-82.72	1.07	-0.83	-0.90	-0.03
22	180	1060.00	-15.13	-78.22	1.43	-21.41	-0.39	2.70e-03
22	187	700.00	-56.62	-102.05	0.95	83.75	0.27	0.06
22	187	753.33	-56.62	-102.05	0.95	75.33	0.23	0.05
22	187	806.67	-49.79	-106.25	1.12	57.39	0.80	0.01
22	187	860.00	-44.53	-104.15	0.65	42.39	1.28	0.01
22	187	910.00	-39.43	-101.96	0.31	28.80	1.50	6.95e-03
22	187	960.00	-34.77	-99.82	-0.15	16.89	1.59	-3.43e-04
22	187	1010.00	-29.87	-97.76	-1.01	3.71	1.24	-0.02
22	187	1060.00	-15.66	-91.52	-1.89	-24.41	0.40	-2.49e-04
22	199	700.00	-56.58	-58.64	3.78	-24.66	1.03	0.12
22	199	753.33	-56.58	-58.64	3.78	-33.07	0.98	0.11
22	199	806.67	-51.67	-65.30	3.16	-32.44	2.86	0.07
22	199	860.00	-48.19	-63.99	1.82	-26.32	4.20	0.07

22	199	910.00	-44.69	-62.92	0.70	-17.61	4.85	0.06
22	199	960.00	-41.52	-62.01	-0.67	-6.23	4.88	0.04
22	199	1010.00	-37.11	-61.24	-3.67	-0.27	3.75	-9.52e-03
22	199	1060.00	-19.98	-56.76	-5.51	-20.58	1.28	-0.01
22	212	700.00	-49.41	-98.56	-1.24	140.45	-0.43	-0.04
22	212	753.33	-49.41	-98.56	-1.24	132.04	-0.48	-0.04
22	212	806.67	-43.17	-100.63	-0.81	105.11	-1.07	-0.07
22	212	860.00	-37.90	-99.08	-0.44	77.63	-1.68	-0.07
22	212	910.00	-32.20	-97.25	-0.13	50.15	-1.72	-0.08
22	212	960.00	-27.10	-95.38	0.25	23.64	-1.86	-0.07
22	212	1010.00	-23.18	-93.56	1.30	0.87	-1.11	-0.03
22	212	1060.00	-14.13	-88.40	1.78	-22.64	-0.47	4.33e-03
22	219	700.00	-58.88	-116.10	1.17	95.93	0.33	0.07
22	219	753.33	-58.88	-116.10	1.17	87.51	0.28	0.06
22	219	806.67	-51.47	-121.00	1.33	67.00	0.97	0.02
22	219	860.00	-45.88	-118.56	0.77	50.04	1.53	0.01
22	219	910.00	-40.46	-116.01	0.35	34.69	1.79	7.97e-03
22	219	960.00	-35.54	-113.52	-0.20	21.32	1.89	2.68e-04
22	219	1010.00	-30.34	-111.14	-1.22	6.40	1.47	-0.02
22	219	1060.00	-14.71	-103.92	-2.23	-26.50	0.48	3.85e-04
22	231	700.00	-59.04	-65.89	4.58	-32.13	1.24	0.14
22	231	753.33	-59.04	-65.89	4.58	-40.55	1.20	0.13
22	231	806.67	-53.86	-73.80	3.79	-39.18	3.45	0.08
22	231	860.00	-50.38	-72.26	2.18	-31.10	5.05	0.08
22	231	910.00	-46.84	-71.02	0.83	-20.05	5.83	0.07
22	231	960.00	-43.68	-69.96	-0.83	-5.75	5.85	0.05
22	231	1010.00	-39.03	-69.09	-4.41	1.98	4.50	-8.61e-03
22	231	1060.00	-19.69	-63.84	-6.59	-22.40	1.54	-0.02
22	259	700.00	-62.32	-23.54	-0.11	0.64	0.0	0.02
22	259	753.33	-62.32	-23.54	-0.11	-11.92	-0.06	0.01
22	259	806.67	-58.85	-24.00	0.10	-14.45	-4.40e-03	9.45e-03
22	259	860.00	-55.63	-23.37	0.12	-17.20	0.06	9.87e-03
22	259	910.00	-52.47	-22.70	0.13	-19.29	0.13	6.00e-03
22	259	960.00	-49.38	-22.07	0.09	-21.39	0.17	-1.82e-03
22	259	1010.00	-46.34	-21.50	-0.05	-23.22	0.15	-0.02
22	259	1060.00	-37.75	-20.88	-0.28	-23.12	6.78e-03	-5.88e-03
22	264	700.00	-53.25	-25.13	-0.10	7.77	0.0	0.01
22	264	753.33	-53.25	-25.13	-0.10	-5.64	-0.06	0.01
22	264	806.67	-49.68	-25.36	0.09	-8.62	-7.68e-03	8.75e-03
22	264	860.00	-46.37	-24.33	0.11	-11.65	0.05	9.24e-03
22	264	910.00	-43.13	-23.24	0.12	-13.92	0.11	5.83e-03
22	264	960.00	-40.00	-22.19	0.09	-16.15	0.16	-1.09e-03
22	264	1010.00	-36.92	-21.26	-0.05	-18.14	0.13	-0.02
22	264	1060.00	-29.52	-20.20	-0.25	-17.92	5.98e-03	-5.45e-03
22	267	700.00	-43.60	-19.74	-0.10	5.28	0.0	0.01
22	267	753.33	-43.60	-19.74	-0.10	-5.25	-0.05	0.02
22	267	806.67	-40.35	-20.27	0.10	-6.66	1.81e-03	0.01
22	267	860.00	-37.23	-20.21	0.13	-8.46	0.07	0.01
22	267	910.00	-34.15	-20.18	0.14	-9.78	0.14	7.78e-03
22	267	960.00	-31.10	-20.16	0.10	-11.21	0.20	8.74e-04
22	267	1010.00	-27.99	-20.14	-0.09	-12.73	0.15	-0.02
22	267	1060.00	-21.22	-19.56	-0.28	-12.66	5.90e-03	-6.96e-03
22	271	700.00	-62.17	-19.72	-0.09	-5.23	0.0	0.02
22	271	753.33	-62.17	-19.72	-0.09	-15.75	-0.05	0.02
22	271	806.67	-58.87	-20.52	0.11	-17.11	9.92e-03	0.01
22	271	860.00	-55.80	-20.47	0.14	-18.86	0.08	0.01
22	271	910.00	-52.74	-20.45	0.14	-20.15	0.15	6.84e-03
22	271	960.00	-49.71	-20.43	0.10	-21.55	0.21	-1.11e-03
22	271	1010.00	-46.66	-20.41	-0.07	-22.90	0.17	-0.02
22	271	1060.00	-37.75	-20.22	-0.31	-23.04	7.03e-03	-6.65e-03
22	298	700.00	-43.31	-16.65	-0.09	4.30	0.0	0.01
22	298	753.33	-43.31	-16.65	-0.09	-4.58	-0.05	0.01
22	298	806.67	-40.07	-16.98	0.07	-6.03	-8.52e-03	7.89e-03
22	298	860.00	-36.92	-16.92	0.10	-7.98	0.05	8.63e-03
22	298	910.00	-33.83	-16.89	0.11	-9.48	0.10	5.82e-03
22	298	960.00	-30.79	-16.88	0.08	-11.02	0.14	-1.78e-04
22	298	1010.00	-27.74	-16.86	-0.05	-12.48	0.12	-0.01
22	298	1060.00	-21.35	-16.49	-0.22	-12.41	4.98e-03	-5.40e-03
22	301	700.00	-47.01	-16.30	-0.09	1.89	0.0	0.01
22	301	753.33	-47.01	-16.30	-0.09	-6.80	-0.05	0.01
22	301	806.67	-43.76	-16.68	0.08	-8.21	-6.51e-03	7.78e-03
22	301	860.00	-40.63	-16.63	0.10	-10.11	0.05	8.38e-03
22	301	910.00	-37.54	-16.60	0.11	-11.57	0.10	5.47e-03
22	301	960.00	-34.51	-16.59	0.08	-13.08	0.14	-6.30e-04
22	301	1010.00	-31.47	-16.57	-0.04	-14.47	0.12	-0.01

22	301	1060.00	-24.67	-16.30	-0.22	-14.46	5.12e-03	-5.21e-03
22	305	700.00	-43.41	-17.22	-0.09	5.05	0.0	0.01
22	305	753.33	-43.41	-17.22	-0.09	-4.14	-0.05	0.01
22	305	806.67	-40.11	-17.50	0.07	-5.79	-7.90e-03	7.50e-03
22	305	860.00	-36.93	-17.25	0.10	-7.83	0.04	8.13e-03
22	305	910.00	-33.81	-17.02	0.10	-9.39	0.09	5.40e-03
22	305	960.00	-30.75	-16.79	0.08	-10.98	0.13	-3.45e-04
22	305	1010.00	-27.70	-16.60	-0.04	-12.45	0.11	-0.01
22	305	1060.00	-21.38	-16.11	-0.21	-12.39	4.81e-03	-5.02e-03
22	310	700.00	-43.28	-15.78	-0.08	3.53	0.0	0.01
22	310	753.33	-43.28	-15.78	-0.08	-4.88	-0.05	0.01
22	310	806.67	-40.05	-16.11	0.07	-6.25	-7.55e-03	7.48e-03
22	310	860.00	-36.90	-16.05	0.10	-8.10	0.04	8.13e-03
22	310	910.00	-33.81	-16.03	0.10	-9.53	0.09	5.42e-03
22	310	960.00	-30.78	-16.02	0.08	-11.00	0.13	-3.18e-04
22	310	1010.00	-27.73	-16.00	-0.04	-12.37	0.11	-0.01
22	310	1060.00	-21.38	-15.68	-0.21	-12.34	4.78e-03	-5.08e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-86.43	-121.00	-6.59	-40.55	-1.86	-0.08
			-14.13	-15.68	4.58	140.45	5.85	0.14

Macro	Tipo	Angolo 1-Z (gradi)
23	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
23	44	0.0	-41.11	-1.01	-0.86	-3.49	0.0	0.18
23	44	50.00	-41.11	-1.01	-0.86	-2.98	-0.43	0.27
23	44	100.00	-43.35	-0.97	-0.50	-1.61	-0.68	0.17
23	44	150.00	-44.08	-0.94	-0.22	-0.78	-0.79	0.09
23	44	200.00	-44.21	-0.91	0.04	-0.16	-0.77	-1.76e-03
23	44	250.00	-44.15	-0.91	0.29	0.40	-0.62	-0.09
23	44	295.00	-43.93	-0.99	0.55	0.89	-0.38	-0.15
23	44	340.00	-42.58	-1.16	0.87	1.06	0.02	-0.15
23	52	0.0	-50.99	-1.94	0.03	-5.25	0.0	8.25e-03
23	52	50.00	-50.99	-1.94	0.03	-4.28	0.02	0.01
23	52	100.00	-53.08	-1.85	0.03	-2.52	0.03	9.40e-03
23	52	150.00	-53.43	-1.77	0.03	-1.40	0.05	7.45e-03
23	52	200.00	-53.09	-1.72	0.03	-0.53	0.06	3.94e-03
23	52	250.00	-52.52	-1.71	0.02	0.25	0.07	-3.94e-03
23	52	295.00	-51.77	-1.79	-0.06	0.91	0.04	-0.02
23	52	340.00	-49.72	-1.96	-0.09	1.21	8.66e-04	-0.01
23	68	0.0	-49.14	-2.46	0.03	-5.83	0.0	6.72e-03
23	68	50.00	-49.14	-2.46	0.03	-4.60	0.01	9.78e-03
23	68	100.00	-50.47	-2.34	0.03	-2.86	0.03	7.88e-03
23	68	150.00	-50.25	-2.24	0.03	-1.70	0.04	6.42e-03
23	68	200.00	-49.40	-2.17	0.03	-0.78	0.05	3.52e-03
23	68	250.00	-48.33	-2.15	0.01	0.05	0.06	-3.25e-03
23	68	295.00	-47.13	-2.20	-0.05	0.75	0.04	-0.01
23	68	340.00	-44.75	-2.35	-0.08	1.10	5.21e-04	-0.01
23	93	0.0	-12.21	0.53	0.01	0.02	0.0	2.79e-03
23	93	50.00	-12.21	0.53	0.01	-0.24	5.91e-03	3.90e-03
23	93	100.00	-13.61	0.48	9.41e-03	0.09	0.01	2.79e-03
23	93	150.00	-14.41	0.46	7.93e-03	0.22	0.01	1.93e-03
23	93	200.00	-14.97	0.44	7.24e-03	0.29	0.02	7.46e-04
23	93	250.00	-15.47	0.42	1.33e-03	0.34	0.02	-1.37e-03
23	93	295.00	-15.88	0.38	-0.02	0.40	0.01	-4.20e-03
23	93	340.00	-15.88	0.30	-0.02	0.34	1.01e-03	-3.40e-03
23	125	0.0	-47.59	-4.37	0.03	-7.98	2.38e-03	-9.27e-03
23	125	50.00	-47.59	-4.37	0.03	-7.72	0.01	-5.31e-03
23	125	100.00	-46.88	-4.05	0.07	-5.79	0.03	-3.18e-03
23	125	150.00	-45.00	-3.82	0.14	-4.40	0.10	0.02
23	125	200.00	-42.62	-3.68	0.22	-3.25	0.17	0.03
23	125	250.00	-40.01	-3.58	0.21	-2.25	0.27	0.01
23	125	295.00	-38.15	-3.55	-0.37	-1.18	0.26	-0.05
23	125	340.00	-36.02	-3.55	-0.73	-0.79	0.21	-0.09
23	137	0.0	-131.03	-17.29	-2.94e-03	-25.94	-5.66e-03	-1.71e-04
23	137	50.00	-131.03	-17.29	-2.94e-03	-25.69	3.52e-03	2.24e-03
23	137	100.00	-122.68	-16.03	0.02	-20.17	5.74e-03	-1.24e-03
23	137	150.00	-112.52	-15.11	0.06	-15.81	0.02	0.02
23	137	200.00	-101.60	-14.52	0.10	-12.10	0.07	0.02

23	137	250.00	-90.44	-14.10	0.10	-8.72	0.11	8.42e-03
23	137	295.00	-81.93	-13.86	-0.14	-5.21	0.10	-0.02
23	137	340.00	-70.01	-13.56	-0.24	-2.96	0.04	-0.04
23	140	0.0	80.30	16.27	0.04	21.90	5.66e-03	9.29e-03
23	140	50.00	80.30	16.27	0.04	22.16	0.01	0.01
23	140	100.00	69.08	15.04	0.02	18.30	0.03	0.01
23	140	150.00	57.93	14.15	-0.03	14.94	0.03	-8.32e-03
23	140	200.00	46.78	13.58	-0.07	11.96	7.29e-04	-0.01
23	140	250.00	35.63	13.16	-0.08	9.23	-0.04	-0.01
23	140	295.00	27.34	12.83	0.07	6.29	-0.06	6.51e-03
23	140	340.00	17.03	12.31	0.15	4.22	-0.04	0.02
23	157	0.0	-50.56	-4.88	0.03	-8.76	2.60e-03	-0.01
23	157	50.00	-50.56	-4.88	0.03	-8.51	0.01	-6.71e-03
23	157	100.00	-49.56	-4.53	0.07	-6.44	0.03	-4.13e-03
23	157	150.00	-47.37	-4.27	0.16	-4.92	0.10	0.03
23	157	200.00	-44.66	-4.11	0.25	-3.67	0.18	0.04
23	157	250.00	-41.70	-4.00	0.23	-2.58	0.30	0.02
23	157	295.00	-39.61	-3.96	-0.42	-1.41	0.29	-0.06
23	157	340.00	-37.29	-3.94	-0.82	-0.98	0.23	-0.10
23	169	0.0	-144.92	-19.49	-5.90e-03	-29.09	-6.43e-03	-7.16e-04
23	169	50.00	-144.92	-19.49	-5.90e-03	-28.83	2.75e-03	1.75e-03
23	169	100.00	-135.29	-18.07	0.02	-22.70	4.13e-03	-2.01e-03
23	169	150.00	-123.73	-17.03	0.06	-17.84	0.02	0.02
23	169	200.00	-111.36	-16.36	0.11	-13.68	0.07	0.02
23	169	250.00	-98.73	-15.89	0.11	-9.90	0.12	9.78e-03
23	169	295.00	-89.11	-15.62	-0.15	-5.97	0.11	-0.02
23	169	340.00	-75.71	-15.26	-0.26	-3.43	0.04	-0.04
23	172	0.0	94.20	18.48	0.04	25.05	6.43e-03	9.84e-03
23	172	50.00	94.20	18.48	0.04	25.31	0.02	0.01
23	172	100.00	81.68	17.08	0.02	20.83	0.03	0.01
23	172	150.00	69.14	16.07	-0.03	16.97	0.03	-9.87e-03
23	172	200.00	56.53	15.43	-0.08	13.54	-3.17e-03	-0.02
23	172	250.00	43.92	14.95	-0.10	10.41	-0.04	-0.01
23	172	295.00	34.51	14.58	0.08	7.05	-0.07	8.34e-03
23	172	340.00	22.73	14.01	0.17	4.69	-0.04	0.03
23	189	0.0	-51.55	-5.03	0.03	-8.98	1.88e-03	-0.01
23	189	50.00	-51.55	-5.03	0.03	-8.73	0.01	-5.84e-03
23	189	100.00	-50.48	-4.67	0.07	-6.61	0.03	-3.35e-03
23	189	150.00	-48.19	-4.40	0.15	-5.06	0.10	0.03
23	189	200.00	-45.38	-4.23	0.24	-3.78	0.18	0.04
23	189	250.00	-42.32	-4.12	0.23	-2.65	0.30	0.02
23	189	295.00	-40.14	-4.08	-0.41	-1.45	0.28	-0.06
23	189	340.00	-37.68	-4.06	-0.80	-1.00	0.22	-0.09
23	193	0.0	-148.26	-20.07	1.28e-03	-29.77	-5.71e-03	-1.89e-03
23	193	50.00	-148.26	-20.07	1.28e-03	-29.51	3.46e-03	1.23e-04
23	193	100.00	-138.30	-18.61	-2.59e-03	-23.21	4.99e-03	7.92e-03
23	193	150.00	-126.38	-17.52	0.06	-18.22	0.02	0.02
23	193	200.00	-113.65	-16.82	0.10	-13.95	0.03	0.02
23	193	250.00	-100.69	-16.32	0.09	-10.07	0.08	0.01
23	193	295.00	-90.43	-16.02	-0.10	-6.14	0.08	-0.02
23	193	340.00	-77.11	-15.65	-0.25	-3.45	0.04	-0.04
23	196	0.0	97.54	19.06	0.04	25.73	5.71e-03	0.01
23	196	50.00	97.54	19.06	0.04	25.99	0.01	0.01
23	196	100.00	84.69	17.62	0.04	21.35	0.03	2.12e-03
23	196	150.00	71.79	16.57	-0.03	17.35	0.03	-0.01
23	196	200.00	58.83	15.89	-0.06	13.81	0.04	-0.02
23	196	250.00	45.88	15.38	-0.08	10.58	-6.53e-03	-0.02
23	196	295.00	35.83	14.99	0.03	7.22	-0.04	1.55e-03
23	196	340.00	24.13	14.40	0.16	4.72	-0.04	0.02
23	221	0.0	-56.72	-5.92	0.03	-10.33	2.09e-03	-0.01
23	221	50.00	-56.72	-5.92	0.03	-10.07	0.01	-7.80e-03
23	221	100.00	-55.15	-5.48	0.08	-7.70	0.03	-4.68e-03
23	221	150.00	-52.32	-5.17	0.17	-5.94	0.11	0.03
23	221	200.00	-48.95	-4.97	0.28	-4.49	0.20	0.04
23	221	250.00	-45.29	-4.84	0.26	-3.20	0.34	0.02
23	221	295.00	-42.70	-4.77	-0.47	-1.83	0.32	-0.06
23	221	340.00	-39.90	-4.73	-0.92	-1.29	0.25	-0.11
23	225	0.0	-173.41	-24.08	-2.58e-03	-35.45	-6.97e-03	-2.96e-03
23	225	50.00	-173.41	-24.08	-2.58e-03	-35.20	2.20e-03	-9.62e-04
23	225	100.00	-161.12	-22.31	-6.07e-03	-27.78	2.17e-03	8.58e-03
23	225	150.00	-146.66	-21.01	0.07	-21.86	0.02	0.02
23	225	200.00	-131.30	-20.17	0.11	-16.80	0.03	0.03
23	225	250.00	-115.69	-19.57	0.11	-12.18	0.09	0.02
23	225	295.00	-103.34	-19.19	-0.11	-7.50	0.09	-0.02
23	225	340.00	-87.44	-18.72	-0.29	-4.29	0.05	-0.04

23	228	0.0	122.69	23.06	0.04	31.42	6.97e-03	0.01
23	228	50.00	122.69	23.06	0.04	31.67	0.02	0.01
23	228	100.00	107.51	21.32	0.04	25.91	0.03	1.46e-03
23	228	150.00	92.07	20.05	-0.04	21.00	0.04	-0.01
23	228	200.00	76.48	19.23	-0.08	16.66	0.04	-0.02
23	228	250.00	60.89	18.62	-0.10	12.69	-0.01	-0.02
23	228	295.00	48.74	18.16	0.05	8.58	-0.04	3.09e-03
23	228	340.00	34.46	17.47	0.19	5.55	-0.05	0.03
23	264	0.0	-29.07	-0.70	-0.57	-2.45	0.0	0.12
23	264	50.00	-29.07	-0.70	-0.57	-2.10	-0.29	0.18
23	264	100.00	-30.64	-0.68	-0.34	-1.13	-0.45	0.12
23	264	150.00	-31.15	-0.65	-0.14	-0.54	-0.53	0.06
23	264	200.00	-31.23	-0.63	0.03	-0.11	-0.51	-1.09e-03
23	264	250.00	-31.18	-0.64	0.20	0.28	-0.41	-0.06
23	264	295.00	-31.01	-0.69	0.36	0.62	-0.25	-0.10
23	264	340.00	-30.04	-0.81	0.58	0.74	0.01	-0.10
23	268	0.0	-35.66	-1.32	0.02	-3.62	0.0	5.72e-03
23	268	50.00	-35.66	-1.32	0.02	-2.96	0.01	8.26e-03
23	268	100.00	-37.13	-1.26	0.02	-1.74	0.02	6.50e-03
23	268	150.00	-37.39	-1.21	0.02	-0.96	0.03	5.14e-03
23	268	200.00	-37.15	-1.17	0.02	-0.36	0.04	2.71e-03
23	268	250.00	-36.75	-1.17	0.01	0.18	0.05	-2.74e-03
23	268	295.00	-36.24	-1.22	-0.04	0.64	0.03	-0.01
23	268	340.00	-34.80	-1.34	-0.06	0.84	6.47e-04	-9.94e-03
23	276	0.0	-34.42	-1.67	0.02	-4.02	0.0	4.70e-03
23	276	50.00	-34.42	-1.67	0.02	-3.18	9.17e-03	6.83e-03
23	276	100.00	-35.39	-1.59	0.02	-1.97	0.02	5.49e-03
23	276	150.00	-35.26	-1.52	0.02	-1.16	0.03	4.46e-03
23	276	200.00	-34.69	-1.47	0.02	-0.53	0.04	2.43e-03
23	276	250.00	-33.96	-1.46	9.79e-03	0.05	0.04	-2.28e-03
23	276	295.00	-33.14	-1.50	-0.04	0.53	0.03	-9.55e-03
23	276	340.00	-31.49	-1.60	-0.06	0.77	4.18e-04	-8.69e-03
23	285	0.0	-14.85	0.23	0.01	-0.51	0.0	2.94e-03
23	285	50.00	-14.85	0.23	0.01	-0.62	6.13e-03	4.14e-03
23	285	100.00	-16.15	0.20	0.01	-0.19	0.01	3.04e-03
23	285	150.00	-16.81	0.19	9.00e-03	0.03	0.02	2.17e-03
23	285	200.00	-17.20	0.18	8.70e-03	0.17	0.02	9.26e-04
23	285	250.00	-17.52	0.16	2.31e-03	0.29	0.02	-1.44e-03
23	285	295.00	-17.76	0.12	-0.02	0.40	0.01	-4.73e-03
23	285	340.00	-17.53	0.04	-0.03	0.39	9.36e-04	-3.93e-03
23	298	0.0	-26.60	-0.54	0.02	-2.12	0.0	4.86e-03
23	298	50.00	-26.60	-0.54	0.02	-1.85	9.76e-03	6.96e-03
23	298	100.00	-28.12	-0.53	0.02	-0.98	0.02	5.35e-03
23	298	150.00	-28.64	-0.51	0.02	-0.46	0.03	4.11e-03
23	298	200.00	-28.77	-0.49	0.02	-0.07	0.04	2.05e-03
23	298	250.00	-28.78	-0.50	7.14e-03	0.27	0.04	-2.32e-03
23	298	295.00	-28.67	-0.55	-0.04	0.57	0.02	-8.81e-03
23	298	340.00	-27.84	-0.66	-0.05	0.67	8.24e-04	-7.81e-03
23	305	0.0	-25.53	-0.54	-0.10	-2.06	0.0	0.03
23	305	50.00	-25.53	-0.54	-0.10	-1.79	-0.05	0.04
23	305	100.00	-26.96	-0.52	-0.05	-0.95	-0.08	0.03
23	305	150.00	-27.43	-0.50	-0.02	-0.45	-0.09	0.01
23	305	200.00	-27.53	-0.49	0.02	-0.07	-0.08	1.28e-03
23	305	250.00	-27.51	-0.49	0.04	0.26	-0.05	-0.01
23	305	295.00	-27.39	-0.54	0.05	0.55	-0.03	-0.03
23	305	340.00	-26.56	-0.65	0.08	0.64	2.86e-03	-0.03
23	307	0.0	-26.60	-0.73	0.02	-2.37	0.0	4.50e-03
23	307	50.00	-26.60	-0.73	0.02	-2.01	8.99e-03	6.46e-03
23	307	100.00	-27.91	-0.70	0.02	-1.12	0.02	5.01e-03
23	307	150.00	-28.25	-0.68	0.02	-0.57	0.03	3.90e-03
23	307	200.00	-28.22	-0.66	0.02	-0.16	0.03	1.99e-03
23	307	250.00	-28.07	-0.66	7.15e-03	0.21	0.04	-2.15e-03
23	307	295.00	-27.81	-0.70	-0.03	0.53	0.02	-8.35e-03
23	307	340.00	-26.85	-0.81	-0.05	0.65	7.17e-04	-7.44e-03
23	308	0.0	-17.32	-0.21	0.01	-1.21	0.0	2.81e-03
23	308	50.00	-17.32	-0.21	0.01	-1.11	5.75e-03	4.00e-03
23	308	100.00	-18.36	-0.21	1.00e-02	-0.55	0.01	3.03e-03
23	308	150.00	-18.73	-0.21	9.46e-03	-0.23	0.02	2.27e-03
23	308	200.00	-18.83	-0.20	9.69e-03	-5.24e-03	0.02	1.06e-03
23	308	250.00	-18.84	-0.21	3.34e-03	0.20	0.02	-1.39e-03
23	308	295.00	-18.79	-0.25	-0.02	0.38	0.01	-4.91e-03
23	308	340.00	-18.25	-0.32	-0.03	0.42	7.55e-04	-4.20e-03
23	309	0.0	-17.94	-0.32	0.01	-1.39	0.0	2.77e-03
23	309	50.00	-17.94	-0.32	0.01	-1.23	5.66e-03	3.96e-03
23	309	100.00	-18.91	-0.32	9.96e-03	-0.65	0.01	3.02e-03

23	309	150.00	-19.21	-0.31	9.57e-03	-0.30	0.02	2.29e-03
23	309	200.00	-19.23	-0.30	9.94e-03	-0.05	0.02	1.10e-03
23	309	250.00	-19.17	-0.30	3.60e-03	0.17	0.02	-1.37e-03
23	309	295.00	-19.05	-0.34	-0.02	0.37	0.01	-4.96e-03
23	309	340.00	-18.43	-0.41	-0.03	0.43	7.09e-04	-4.27e-03
23	310	0.0	-25.36	-0.51	0.02	-2.02	0.0	4.56e-03
23	310	50.00	-25.36	-0.51	0.02	-1.76	9.18e-03	6.53e-03
23	310	100.00	-26.80	-0.50	0.02	-0.93	0.02	5.02e-03
23	310	150.00	-27.29	-0.48	0.02	-0.43	0.03	3.85e-03
23	310	200.00	-27.41	-0.47	0.02	-0.07	0.03	1.92e-03
23	310	250.00	-27.40	-0.47	6.63e-03	0.26	0.04	-2.18e-03
23	310	295.00	-27.30	-0.52	-0.03	0.54	0.02	-8.26e-03
23	310	340.00	-26.49	-0.63	-0.05	0.63	8.08e-04	-7.30e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-173.41	-24.08	-0.92	-35.45	-0.79	-0.15
	122.69	23.06	0.87	31.67	0.34	0.27

Macro	Tipo	Angolo 1-Z (gradi)
24	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
24	4	0.0	-447.53	14.31	0.06	-171.93	0.0	-0.01
24	4	50.00	-447.53	14.31	0.06	-179.08	0.03	-0.02
24	4	100.00	-446.23	14.31	0.06	-186.24	0.06	-0.02
24	4	150.00	-444.93	14.31	0.06	-193.39	0.09	-0.01
24	4	200.00	-443.63	14.31	0.06	-200.55	0.12	-4.81e-03
24	4	250.00	-442.33	14.31	0.06	-207.70	0.15	3.82e-03
24	4	295.00	-412.82	19.68	0.08	-191.50	0.18	9.06e-03
24	4	340.00	-375.18	3.74	-0.40	-164.24	0.0	0.04
24	19	0.0	-146.91	4.18	0.04	-48.36	0.0	-9.50e-03
24	19	50.00	-146.91	4.18	0.04	-50.44	0.02	-0.02
24	19	100.00	-145.91	4.18	0.04	-52.53	0.04	-0.01
24	19	150.00	-144.91	4.18	0.04	-54.62	0.06	-7.76e-03
24	19	200.00	-143.91	4.18	0.04	-56.71	0.08	-2.80e-03
24	19	250.00	-142.91	4.18	0.04	-58.80	0.10	2.88e-03
24	19	295.00	-133.42	5.50	-0.05	-54.37	0.08	0.01
24	19	340.00	-121.14	1.48	-0.18	-46.67	0.0	0.02
24	28	0.0	-455.20	14.03	-7.36e-04	-175.19	0.0	-8.39e-04
24	28	50.00	-455.20	14.03	-7.36e-04	-182.20	-3.68e-04	-1.48e-03
24	28	100.00	-453.90	14.03	-7.36e-04	-189.22	-7.36e-04	-1.39e-03
24	28	150.00	-452.60	14.03	-7.36e-04	-196.23	-1.10e-03	-1.49e-03
24	28	200.00	-451.30	14.03	-7.36e-04	-203.24	-1.47e-03	-1.73e-03
24	28	250.00	-450.00	14.03	-7.36e-04	-210.25	-1.84e-03	-6.74e-04
24	28	295.00	-419.85	19.69	0.25	-193.67	0.11	-0.02
24	28	340.00	-381.16	3.82	-0.25	-165.54	0.0	0.02
24	76	0.0	-448.13	17.16	0.04	-162.64	0.0	-8.78e-03
24	76	50.00	-448.13	17.16	0.04	-171.21	0.02	-0.01
24	76	100.00	-446.83	17.16	0.04	-179.79	0.04	-0.01
24	76	150.00	-445.53	17.16	0.04	-188.37	0.05	-7.72e-03
24	76	200.00	-444.23	17.16	0.04	-196.95	0.07	-3.59e-03
24	76	250.00	-442.93	17.16	0.04	-205.53	0.09	2.11e-03
24	76	295.00	-413.65	21.64	0.14	-189.88	0.15	-1.10e-03
24	76	340.00	-376.29	5.23	-0.34	-162.69	0.0	0.03
24	118	0.0	-88.72	11.30	0.63	45.26	0.15	-0.07
24	118	50.00	-88.72	11.30	0.63	41.50	0.15	-0.07
24	118	100.00	-98.56	11.30	0.57	26.14	0.44	-0.06
24	118	150.00	-107.09	11.28	0.49	10.52	0.70	-0.03
24	118	200.00	-116.29	11.26	0.35	-4.79	0.90	4.53e-03
24	118	250.00	-124.50	17.49	0.26	-20.02	1.04	0.06
24	118	295.00	-124.08	12.93	-1.23	-29.17	0.83	0.15
24	118	340.00	-115.74	4.10	-1.25	-25.06	0.23	0.15
24	119	0.0	-402.12	3.77	-0.59	-228.35	-0.15	0.06
24	119	50.00	-402.12	3.77	-0.59	-232.11	-0.14	0.05
24	119	100.00	-390.28	3.77	-0.53	-224.29	-0.40	0.04
24	119	150.00	-379.75	3.79	-0.45	-216.21	-0.64	0.02
24	119	200.00	-368.55	3.81	-0.31	-208.44	-0.82	-8.50e-03
24	119	250.00	-358.33	-2.42	-0.22	-200.74	-0.94	-0.05
24	119	295.00	-326.10	7.93	1.38	-174.33	-0.66	-0.15
24	119	340.00	-292.77	-0.07	0.88	-149.08	-0.23	-0.11
24	128	0.0	-306.28	31.84	-0.95	-25.67	-0.23	0.12

24	128	50.00	-306.28	31.84	-0.95	-29.43	-0.22	0.11
24	128	100.00	-304.73	31.95	-0.87	-46.21	-0.65	0.11
24	128	150.00	-302.46	32.31	-0.72	-62.90	-1.02	0.07
24	128	200.00	-301.14	32.19	-0.51	-79.19	-1.32	0.02
24	128	250.00	-300.12	32.15	-0.34	-95.12	-1.50	-0.06
24	128	295.00	-281.65	29.39	2.06	-91.06	-1.10	-0.21
24	128	340.00	-259.60	17.41	1.49	-73.15	-0.37	-0.17
24	140	0.0	-201.55	100.26	-0.27	235.75	-0.07	0.04
24	140	50.00	-201.55	100.26	-0.27	231.98	-0.06	0.03
24	140	100.00	-198.35	100.23	-0.26	185.00	-0.19	0.03
24	140	150.00	-192.05	100.17	-0.23	137.63	-0.31	0.02
24	140	200.00	-188.13	100.09	-0.18	90.86	-0.41	-3.92e-03
24	140	250.00	-184.92	98.10	-0.15	44.71	-0.49	-0.03
24	140	295.00	-181.40	66.61	0.77	21.14	-0.34	-0.10
24	140	340.00	-177.97	45.96	0.41	28.66	-0.14	-0.07
24	150	0.0	-69.01	11.87	0.70	62.77	0.16	-0.07
24	150	50.00	-69.01	11.87	0.70	59.00	0.17	-0.07
24	150	100.00	-80.22	11.87	0.64	42.10	0.49	-0.06
24	150	150.00	-89.96	11.85	0.54	24.92	0.78	-0.03
24	150	200.00	-100.46	11.82	0.39	8.08	1.01	5.37e-03
24	150	250.00	-109.85	18.85	0.29	-8.66	1.16	0.06
24	150	295.00	-111.44	13.28	-1.39	-20.06	0.92	0.17
24	150	340.00	-104.67	4.38	-1.38	-17.26	0.26	0.17
24	151	0.0	-421.83	3.20	-0.66	-245.86	-0.16	0.06
24	151	50.00	-421.83	3.20	-0.66	-249.62	-0.15	0.06
24	151	100.00	-408.62	3.21	-0.60	-240.26	-0.45	0.05
24	151	150.00	-396.87	3.22	-0.50	-230.60	-0.72	0.02
24	151	200.00	-384.38	3.25	-0.35	-221.31	-0.93	-9.33e-03
24	151	250.00	-372.99	-3.77	-0.25	-212.10	-1.06	-0.06
24	151	295.00	-338.74	7.58	1.54	-183.44	-0.75	-0.17
24	151	340.00	-303.84	-0.36	1.01	-156.88	-0.26	-0.13
24	160	0.0	-313.67	35.04	-1.07	-16.71	-0.26	0.14
24	160	50.00	-313.67	35.04	-1.07	-20.47	-0.25	0.13
24	160	100.00	-312.04	35.17	-0.97	-38.97	-0.73	0.12
24	160	150.00	-309.61	35.57	-0.81	-57.37	-1.15	0.08
24	160	200.00	-308.25	35.43	-0.57	-75.31	-1.49	0.02
24	160	250.00	-307.23	35.39	-0.39	-92.86	-1.69	-0.06
24	160	295.00	-288.52	31.86	2.31	-89.45	-1.24	-0.24
24	160	340.00	-266.36	19.42	1.70	-71.15	-0.42	-0.19
24	172	0.0	-195.55	112.41	-0.31	278.90	-0.08	0.04
24	172	50.00	-195.55	112.41	-0.31	275.13	-0.07	0.04
24	172	100.00	-192.06	112.38	-0.29	222.48	-0.22	0.03
24	172	150.00	-185.11	112.32	-0.26	169.39	-0.35	0.02
24	172	200.00	-180.83	112.23	-0.21	116.96	-0.47	-4.23e-03
24	172	250.00	-177.32	109.99	-0.17	65.21	-0.56	-0.04
24	172	295.00	-175.49	73.98	0.85	37.37	-0.39	-0.11
24	172	340.00	-174.37	51.73	0.49	43.94	-0.15	-0.08
24	182	0.0	-69.20	12.36	0.69	64.18	0.16	-0.07
24	182	50.00	-69.20	12.36	0.69	60.42	0.17	-0.07
24	182	100.00	-80.43	12.35	0.63	43.04	0.48	-0.06
24	182	150.00	-90.29	12.34	0.53	25.45	0.76	-0.03
24	182	200.00	-100.86	12.31	0.38	8.21	0.98	5.44e-03
24	182	250.00	-110.35	19.36	0.28	-8.89	1.13	0.06
24	182	295.00	-112.01	13.47	-1.36	-20.37	0.90	0.17
24	182	340.00	-105.19	4.49	-1.35	-17.41	0.25	0.16
24	183	0.0	-421.64	2.72	-0.65	-247.27	-0.16	0.06
24	183	50.00	-421.64	2.72	-0.65	-251.03	-0.15	0.06
24	183	100.00	-408.41	2.72	-0.59	-241.20	-0.44	0.05
24	183	150.00	-396.55	2.74	-0.49	-231.13	-0.70	0.02
24	183	200.00	-383.98	2.76	-0.34	-221.43	-0.91	-9.40e-03
24	183	250.00	-372.49	-4.29	-0.24	-211.87	-1.03	-0.06
24	183	295.00	-338.17	7.39	1.51	-183.12	-0.73	-0.17
24	183	340.00	-303.32	-0.46	0.98	-156.73	-0.25	-0.13
24	192	0.0	-311.46	35.81	-1.04	-12.75	-0.25	0.13
24	192	50.00	-311.46	35.81	-1.04	-16.52	-0.24	0.13
24	192	100.00	-309.81	35.94	-0.95	-35.43	-0.71	0.12
24	192	150.00	-307.42	36.36	-0.79	-54.26	-1.13	0.08
24	192	200.00	-306.03	36.23	-0.56	-72.65	-1.45	0.02
24	192	250.00	-304.96	36.19	-0.38	-90.68	-1.66	-0.06
24	192	295.00	-286.52	32.30	2.27	-87.73	-1.22	-0.23
24	192	340.00	-264.65	19.77	1.66	-69.61	-0.41	-0.19
24	204	0.0	-192.88	115.04	-0.31	289.49	-0.08	0.04
24	204	50.00	-192.88	115.04	-0.31	285.73	-0.07	0.04
24	204	100.00	-189.37	115.01	-0.29	231.84	-0.21	0.03
24	204	150.00	-182.58	114.95	-0.26	177.50	-0.35	0.02

24	204	200.00	-178.26	114.85	-0.21	123.75	-0.46	-4.72e-03
24	204	250.00	-174.64	112.60	-0.17	70.54	-0.55	-0.04
24	204	295.00	-173.26	75.56	0.85	41.49	-0.39	-0.11
24	204	340.00	-172.73	53.01	0.49	47.79	-0.15	-0.08
24	210	0.0	-37.75	10.64	0.80	83.40	0.19	-0.09
24	210	50.00	-37.75	10.64	0.80	79.64	0.20	-0.09
24	210	100.00	-51.58	10.63	0.73	61.06	0.56	-0.08
24	210	150.00	-62.68	10.62	0.62	42.04	0.89	-0.05
24	210	200.00	-75.34	10.59	0.45	23.62	1.15	-2.81e-03
24	210	250.00	-86.80	18.92	0.34	5.47	1.32	0.07
24	210	295.00	-91.49	12.34	-1.60	-8.72	1.05	0.20
24	210	340.00	-87.41	3.60	-1.57	-7.66	0.30	0.19
24	211	0.0	-453.08	4.43	-0.76	-266.49	-0.19	0.08
24	211	50.00	-453.08	4.43	-0.76	-270.26	-0.18	0.07
24	211	100.00	-437.26	4.44	-0.69	-259.21	-0.52	0.07
24	211	150.00	-424.15	4.45	-0.58	-247.73	-0.83	0.04
24	211	200.00	-409.49	4.48	-0.41	-236.85	-1.07	-1.16e-03
24	211	250.00	-396.03	-3.85	-0.30	-226.22	-1.22	-0.07
24	211	295.00	-358.69	8.52	1.76	-194.78	-0.88	-0.20
24	211	340.00	-321.10	0.42	1.20	-166.48	-0.30	-0.15
24	224	0.0	-321.48	41.19	-1.22	3.45	-0.29	0.16
24	224	50.00	-321.48	41.19	-1.22	-0.31	-0.28	0.15
24	224	100.00	-319.69	41.35	-1.11	-22.13	-0.83	0.14
24	224	150.00	-317.05	41.85	-0.92	-43.84	-1.32	0.09
24	224	200.00	-315.58	41.71	-0.66	-65.05	-1.70	0.02
24	224	250.00	-314.49	41.68	-0.45	-85.83	-1.94	-0.07
24	224	295.00	-295.86	36.38	2.63	-84.15	-1.43	-0.27
24	224	340.00	-274.00	23.08	1.96	-65.56	-0.48	-0.22
24	236	0.0	-182.33	135.39	-0.36	362.17	-0.09	0.05
24	236	50.00	-182.33	135.39	-0.36	358.40	-0.08	0.04
24	236	100.00	-178.35	135.36	-0.34	295.03	-0.25	0.04
24	236	150.00	-170.59	135.28	-0.31	231.13	-0.41	0.02
24	236	200.00	-165.67	135.17	-0.25	167.89	-0.55	-5.40e-03
24	236	250.00	-161.53	132.50	-0.21	105.26	-0.66	-0.05
24	236	295.00	-163.03	87.90	0.98	68.98	-0.47	-0.13
24	236	340.00	-166.36	62.69	0.60	73.62	-0.18	-0.10
24	244	0.0	-312.40	9.87	0.04	-118.82	0.0	-9.35e-03
24	244	50.00	-312.40	9.87	0.04	-123.75	0.02	-0.02
24	244	100.00	-311.40	9.87	0.04	-128.69	0.04	-0.01
24	244	150.00	-310.40	9.87	0.04	-133.63	0.06	-7.93e-03
24	244	200.00	-309.40	9.87	0.04	-138.56	0.08	-3.29e-03
24	244	250.00	-308.40	9.87	0.04	-143.50	0.10	2.56e-03
24	244	295.00	-287.80	13.57	0.06	-132.31	0.12	5.86e-03
24	244	340.00	-261.50	2.64	-0.28	-113.44	0.0	0.03
24	248	0.0	-159.80	4.51	0.03	-53.62	0.0	-7.38e-03
24	248	50.00	-159.80	4.51	0.03	-55.88	0.02	-0.01
24	248	100.00	-158.80	4.51	0.03	-58.13	0.03	-8.97e-03
24	248	150.00	-157.80	4.51	0.03	-60.39	0.05	-6.12e-03
24	248	200.00	-156.80	4.51	0.03	-62.64	0.06	-2.34e-03
24	248	250.00	-155.80	4.51	0.03	-64.89	0.08	2.11e-03
24	248	295.00	-145.46	6.03	-0.01	-59.95	0.07	8.77e-03
24	248	340.00	-132.03	1.61	-0.16	-51.35	0.0	0.02
24	256	0.0	-317.51	9.68	1.03e-04	-121.00	0.0	-7.23e-04
24	256	50.00	-317.51	9.68	1.03e-04	-125.84	5.13e-05	-1.26e-03
24	256	100.00	-316.51	9.68	1.03e-04	-130.68	1.03e-04	-1.13e-03
24	256	150.00	-315.51	9.68	1.03e-04	-135.52	1.54e-04	-1.15e-03
24	256	200.00	-314.51	9.68	1.03e-04	-140.36	2.05e-04	-1.24e-03
24	256	250.00	-313.51	9.68	1.03e-04	-145.20	2.57e-04	-4.33e-04
24	256	295.00	-292.49	13.58	0.17	-133.76	0.08	-0.01
24	256	340.00	-265.48	2.69	-0.17	-114.30	0.0	0.01
24	280	0.0	-312.80	11.77	0.02	-112.63	0.0	-6.01e-03
24	280	50.00	-312.80	11.77	0.02	-118.51	0.01	-9.92e-03
24	280	100.00	-311.80	11.77	0.02	-124.40	0.02	-7.46e-03
24	280	150.00	-310.80	11.77	0.02	-130.28	0.04	-5.30e-03
24	280	200.00	-309.80	11.77	0.02	-136.17	0.05	-2.48e-03
24	280	250.00	-308.80	11.77	0.02	-142.05	0.06	1.42e-03
24	280	295.00	-288.35	14.88	0.10	-131.23	0.11	-9.11e-04
24	280	340.00	-262.24	3.63	-0.24	-112.41	0.0	0.02
24	298	0.0	-259.21	8.06	0.02	-97.66	0.0	-5.19e-03
24	298	50.00	-259.21	8.06	0.02	-101.69	0.01	-8.55e-03
24	298	100.00	-258.21	8.06	0.02	-105.72	0.02	-6.43e-03
24	298	150.00	-257.21	8.06	0.02	-109.75	0.03	-4.56e-03
24	298	200.00	-256.21	8.06	0.02	-113.77	0.04	-2.11e-03
24	298	250.00	-255.21	8.06	0.02	-117.80	0.05	1.24e-03
24	298	295.00	-237.93	11.16	0.08	-108.58	0.09	-3.42e-04

24	298	340.00	-215.92	2.08	-0.20	-92.94	0.0	0.02
24	302	0.0	-162.08	4.42	0.01	-54.59	0.0	-3.54e-03
24	302	50.00	-162.08	4.42	0.01	-56.80	7.23e-03	-5.84e-03
24	302	100.00	-161.08	4.42	0.01	-59.02	0.01	-4.39e-03
24	302	150.00	-160.08	4.42	0.01	-61.23	0.02	-3.11e-03
24	302	200.00	-159.08	4.42	0.01	-63.44	0.03	-1.43e-03
24	302	250.00	-158.08	4.42	0.01	-65.65	0.04	7.83e-04
24	302	295.00	-147.54	6.04	0.04	-60.59	0.05	8.61e-04
24	302	340.00	-133.80	1.63	-0.12	-51.74	0.0	0.01
24	303	0.0	-244.85	7.56	0.02	-91.30	0.0	-5.77e-03
24	303	50.00	-244.85	7.56	0.02	-95.08	0.01	-9.51e-03
24	303	100.00	-243.85	7.56	0.02	-98.86	0.02	-7.12e-03
24	303	150.00	-242.85	7.56	0.02	-102.63	0.04	-4.99e-03
24	303	200.00	-241.85	7.56	0.02	-106.41	0.05	-2.21e-03
24	303	250.00	-240.85	7.56	0.02	-110.19	0.06	1.46e-03
24	303	295.00	-224.57	10.43	0.06	-101.59	0.09	1.52e-03
24	303	340.00	-203.81	2.01	-0.20	-86.97	0.0	0.02
24	309	0.0	-162.64	4.40	0.01	-54.83	0.0	-2.59e-03
24	309	50.00	-162.64	4.40	0.01	-57.03	5.03e-03	-4.27e-03
24	309	100.00	-161.64	4.40	0.01	-59.24	0.01	-3.24e-03
24	309	150.00	-160.64	4.40	0.01	-61.44	0.02	-2.35e-03
24	309	200.00	-159.64	4.40	0.01	-63.64	0.02	-1.20e-03
24	309	250.00	-158.64	4.40	0.01	-65.84	0.03	4.51e-04
24	309	295.00	-148.06	6.04	0.05	-60.75	0.05	-1.12e-03
24	309	340.00	-134.24	1.64	-0.11	-51.84	0.0	9.82e-03
24	310	0.0	-245.42	7.54	0.02	-91.54	0.0	-4.82e-03
24	310	50.00	-245.42	7.54	0.02	-95.31	9.80e-03	-7.94e-03
24	310	100.00	-244.42	7.54	0.02	-99.08	0.02	-5.97e-03
24	310	150.00	-243.42	7.54	0.02	-102.84	0.03	-4.24e-03
24	310	200.00	-242.42	7.54	0.02	-106.61	0.04	-1.98e-03
24	310	250.00	-241.42	7.54	0.02	-110.38	0.05	1.13e-03
24	310	295.00	-225.09	10.43	0.08	-101.75	0.08	-4.52e-04
24	310	340.00	-204.26	2.01	-0.19	-87.07	0.0	0.02

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-455.20	-4.29	-1.60	-270.26	-1.94	-0.27
	-37.75	135.39	2.63	362.17	1.32	0.20

Macro	Tipo	Angolo 1-Z (gradi)
25	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
25	41	960.00	-0.27	-7.86	-0.21	-4.14	0.0	-0.22
25	41	1010.00	-0.27	-7.86	-0.21	-0.21	-0.10	-0.39
25	41	1060.00	-0.87	-9.60	0.22	-0.17	-0.01	-0.26
25	45	960.00	-0.21	-5.27	-0.21	-2.78	0.0	-0.22
25	45	1010.00	-0.21	-5.27	-0.21	-0.14	-0.10	-0.39
25	45	1060.00	-0.67	-6.43	0.22	-0.11	-0.01	-0.26
25	52	960.00	-0.25	-18.97	4.62e-03	-9.98	0.0	8.25e-03
25	52	1010.00	-0.25	-18.97	4.62e-03	-0.50	2.31e-03	0.01
25	52	1060.00	-0.83	-23.17	-4.84e-03	-0.41	2.70e-04	7.00e-03
25	79	960.00	-0.17	-11.52	3.88e-03	-5.98	0.0	6.48e-03
25	79	1010.00	-0.17	-11.52	3.88e-03	-0.23	1.94e-03	0.01
25	79	1060.00	-0.64	-14.12	-3.83e-03	-0.24	2.18e-04	5.56e-03
25	120	960.00	-0.12	19.02	-0.16	3.95	-0.04	-0.06
25	120	1010.00	-0.12	19.02	-0.16	8.27	-0.04	-0.05
25	120	1060.00	-0.72	22.47	0.19	0.86	-0.02	-0.06
25	121	960.00	-0.35	-26.16	0.24	-9.70	0.06	0.09
25	121	1010.00	-0.35	-26.16	0.24	-5.38	0.06	0.10
25	121	1060.00	-0.61	-31.58	-0.31	-0.82	0.04	0.10
25	124	960.00	-0.04	8.87	-0.24	0.66	-0.06	-0.09
25	124	1010.00	-0.04	8.87	-0.24	4.98	-0.06	-0.09
25	124	1060.00	-0.70	10.44	0.30	0.46	-0.04	-0.10
25	129	960.00	-0.30	-60.13	4.00e-04	-20.69	5.70e-03	0.05
25	129	1010.00	-0.30	-60.13	4.00e-04	-16.37	6.96e-03	0.05
25	129	1060.00	-0.63	-71.56	-0.09	-2.15	6.09e-03	0.05
25	152	960.00	-0.11	22.66	-0.17	5.07	-0.05	-0.06
25	152	1010.00	-0.11	22.66	-0.17	9.39	-0.04	-0.06
25	152	1060.00	-0.73	26.82	0.21	0.99	-0.03	-0.07
25	153	960.00	-0.37	-28.46	0.27	-10.39	0.07	0.11
25	153	1010.00	-0.37	-28.46	0.27	-6.07	0.07	0.11

25	153	1060.00	-0.61	-34.34	-0.34	-0.91	0.04	0.12
25	156	960.00	-0.02	11.17	-0.27	1.34	-0.07	-0.10
25	156	1010.00	-0.02	11.17	-0.27	5.66	-0.07	-0.10
25	156	1060.00	-0.70	13.20	0.34	0.54	-0.04	-0.11
25	161	960.00	-0.31	-66.97	3.12e-04	-22.84	6.40e-03	0.05
25	161	1010.00	-0.31	-66.97	3.12e-04	-18.52	7.66e-03	0.05
25	161	1060.00	-0.63	-79.67	-0.10	-2.41	6.82e-03	0.05
25	184	960.00	-0.11	23.57	-0.17	5.36	-0.04	-0.06
25	184	1010.00	-0.11	23.57	-0.17	9.68	-0.04	-0.06
25	184	1060.00	-0.73	27.90	0.21	1.03	-0.02	-0.07
25	185	960.00	-0.36	-29.01	0.27	-10.58	0.07	0.10
25	185	1010.00	-0.36	-29.01	0.27	-6.26	0.07	0.11
25	185	1060.00	-0.61	-34.99	-0.34	-0.93	0.04	0.11
25	188	960.00	-0.02	11.72	-0.27	1.53	-0.07	-0.10
25	188	1010.00	-0.02	11.72	-0.27	5.85	-0.07	-0.10
25	188	1060.00	-0.70	13.85	0.33	0.56	-0.04	-0.11
25	193	960.00	-0.32	-69.12	1.59e-03	-23.53	6.31e-03	0.05
25	193	1010.00	-0.32	-69.12	1.59e-03	-19.21	7.57e-03	0.05
25	193	1060.00	-0.63	-82.21	-0.10	-2.49	6.69e-03	0.05
25	216	960.00	-0.09	29.82	-0.20	7.28	-0.05	-0.07
25	216	1010.00	-0.09	29.82	-0.20	11.59	-0.05	-0.07
25	216	1060.00	-0.75	35.36	0.24	1.26	-0.03	-0.08
25	217	960.00	-0.39	-33.07	0.31	-11.80	0.08	0.12
25	217	1010.00	-0.39	-33.07	0.31	-7.48	0.08	0.12
25	217	1060.00	-0.60	-39.84	-0.39	-1.08	0.05	0.13
25	220	960.00	4.37e-03	15.78	-0.31	2.75	-0.08	-0.11
25	220	1010.00	4.37e-03	15.78	-0.31	7.07	-0.08	-0.11
25	220	1060.00	-0.71	18.70	0.38	0.71	-0.05	-0.13
25	225	960.00	-0.34	-81.50	1.70e-03	-27.42	7.33e-03	0.06
25	225	1010.00	-0.34	-81.50	1.70e-03	-23.11	8.59e-03	0.06
25	225	1060.00	-0.62	-96.88	-0.12	-2.97	7.77e-03	0.06
25	261	960.00	-0.21	-5.69	-0.14	-2.99	0.0	-0.15
25	261	1010.00	-0.21	-5.69	-0.14	-0.15	-0.07	-0.26
25	261	1060.00	-0.67	-6.94	0.14	-0.12	-8.13e-03	-0.17
25	268	960.00	-0.20	-13.09	3.20e-03	-6.89	0.0	5.70e-03
25	268	1010.00	-0.20	-13.09	3.20e-03	-0.35	1.60e-03	8.83e-03
25	268	1060.00	-0.64	-15.99	-3.36e-03	-0.28	1.88e-04	4.82e-03
25	279	960.00	-0.18	-9.85	3.19e-03	-5.13	0.0	5.27e-03
25	279	1010.00	-0.18	-9.85	3.19e-03	-0.21	1.60e-03	8.17e-03
25	279	1060.00	-0.65	-12.07	-3.19e-03	-0.21	1.80e-04	4.46e-03
25	298	960.00	-0.19	-9.15	2.68e-03	-4.79	0.0	4.50e-03
25	298	1010.00	-0.19	-9.15	2.68e-03	-0.21	1.34e-03	6.96e-03
25	298	1060.00	-0.65	-11.19	-2.74e-03	-0.19	1.54e-04	3.79e-03
25	304	960.00	-0.21	-5.63	-0.03	-2.96	0.0	-0.03
25	304	1010.00	-0.21	-5.63	-0.03	-0.14	-0.01	-0.05
25	304	1060.00	-0.67	-6.87	0.03	-0.12	-1.55e-03	-0.03
25	307	960.00	-0.20	-9.19	2.50e-03	-4.82	0.0	4.27e-03
25	307	1010.00	-0.20	-9.19	2.50e-03	-0.23	1.25e-03	6.61e-03
25	307	1060.00	-0.66	-11.23	-2.60e-03	-0.20	1.45e-04	3.61e-03
25	309	960.00	-0.21	-5.61	1.57e-03	-2.95	0.0	2.46e-03
25	309	1010.00	-0.21	-5.61	1.57e-03	-0.14	7.83e-04	3.73e-03
25	309	1060.00	-0.67	-6.85	-1.65e-03	-0.12	9.18e-05	1.96e-03
25	310	960.00	-0.19	-8.64	2.52e-03	-4.52	0.0	4.20e-03
25	310	1010.00	-0.19	-8.64	2.52e-03	-0.20	1.26e-03	6.50e-03
25	310	1060.00	-0.65	-10.57	-2.58e-03	-0.18	1.45e-04	3.53e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-0.87	-96.88	-0.39	-27.42	-0.10	-0.39
	4.37e-03	35.36	0.38	11.59	0.08	0.13

Macro	Tipo	Angolo 1-Z (gradi)
26	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
26	19	0.0	-18.31	0.83	-8.84e-04	-3.94	0.0	-1.25e-04
26	19	50.00	-18.31	0.83	-8.84e-04	-4.36	-4.42e-04	-1.83e-04
26	19	100.00	-18.51	0.83	9.57e-04	-4.07	3.68e-05	-7.66e-05
26	19	150.00	-18.61	0.83	6.22e-04	-3.86	3.48e-04	-2.20e-04
26	19	200.00	-18.63	0.84	-8.40e-05	-3.72	3.06e-04	-4.83e-04
26	19	250.00	-18.58	0.85	2.05e-03	-3.63	1.33e-03	-7.39e-04
26	19	295.00	-17.47	0.25	0.02	-2.53	8.53e-03	-6.50e-04

26	19	340.00	-14.09	-0.81	-0.02	-3.49	6.67e-04	-2.46e-03
26	44	0.0	-59.42	-0.25	-6.60e-03	-5.56	0.0	-3.20e-03
26	44	50.00	-59.42	-0.25	-6.60e-03	-5.44	-3.30e-03	-5.27e-03
26	44	100.00	-58.93	-0.26	-0.01	-5.00	-0.01	-4.72e-03
26	44	150.00	-57.85	-0.27	-0.01	-5.05	-0.02	-3.52e-03
26	44	200.00	-56.46	-0.26	-0.01	-5.36	-0.02	-1.76e-03
26	44	250.00	-54.86	-0.23	-0.04	-5.86	-0.04	4.42e-04
26	44	295.00	-50.67	-2.15	-0.12	-3.98	-0.09	3.62e-04
26	44	340.00	-40.08	-3.71	0.19	-8.95	-6.46e-03	0.02
26	69	0.0	-32.34	-6.26	-9.06e-03	-15.22	0.0	-1.96e-03
26	69	50.00	-32.34	-6.26	-9.06e-03	-12.09	-4.53e-03	-2.84e-03
26	69	100.00	-30.60	-6.24	-3.00e-03	-9.86	-6.03e-03	-1.73e-03
26	69	150.00	-28.80	-6.22	-7.86e-04	-7.68	-6.42e-03	-1.14e-03
26	69	200.00	-26.97	-6.20	-2.45e-03	-5.55	-7.65e-03	-7.25e-04
26	69	250.00	-25.10	-6.20	-0.01	-3.45	-0.01	-2.98e-04
26	69	295.00	-23.23	-4.24	-0.04	-2.43	-0.03	-6.31e-04
26	69	340.00	-19.50	-3.38	0.06	-4.90	-2.04e-03	5.51e-03
26	118	0.0	141.76	36.11	0.10	16.53	0.03	-9.42e-03
26	118	50.00	141.76	36.11	0.10	16.27	0.03	-9.54e-03
26	118	100.00	122.37	36.08	0.10	11.40	0.08	-0.01
26	118	150.00	107.10	30.04	0.08	5.26	0.11	0.02
26	118	200.00	92.33	24.78	0.08	-1.03	0.14	0.03
26	118	250.00	78.46	23.95	0.11	-7.49	0.18	0.04
26	118	295.00	72.40	23.13	0.81	-8.30	0.39	0.06
26	118	340.00	83.99	7.87	-0.97	-13.11	0.16	-0.05
26	119	0.0	-204.47	-35.08	-0.11	-25.71	-0.03	6.79e-03
26	119	50.00	-204.47	-35.08	-0.11	-25.96	-0.03	5.27e-03
26	119	100.00	-185.06	-35.06	-0.11	-20.54	-0.09	7.31e-03
26	119	150.00	-169.27	-29.01	-0.08	-14.26	-0.13	-0.02
26	119	200.00	-153.68	-23.75	-0.10	-8.06	-0.16	-0.03
26	119	250.00	-138.78	-22.88	-0.14	-1.91	-0.21	-0.04
26	119	295.00	-128.55	-24.42	-0.88	1.64	-0.45	-0.06
26	119	340.00	-129.47	-11.98	1.09	2.29	-0.16	0.06
26	123	0.0	-192.69	-22.29	-0.12	-1.72	-0.03	0.02
26	123	50.00	-192.69	-22.29	-0.12	-1.98	-0.04	0.02
26	123	100.00	-176.39	-22.30	-0.14	-1.34	-0.10	0.01
26	123	150.00	-164.30	-22.30	-0.11	0.44	-0.16	6.73e-03
26	123	200.00	-152.28	-22.26	-0.11	2.21	-0.20	-0.01
26	123	250.00	-140.45	-22.33	-0.14	3.99	-0.26	-0.02
26	123	295.00	-131.12	-18.61	-0.90	6.17	-0.51	-0.06
26	123	340.00	-128.65	-11.46	1.16	7.24	-0.18	0.07
26	138	0.0	89.20	64.82	0.10	110.92	0.03	5.89e-03
26	138	50.00	89.20	64.82	0.10	110.66	0.02	4.21e-03
26	138	100.00	63.82	64.54	0.03	93.17	0.06	3.16e-04
26	138	150.00	50.30	62.48	9.18e-03	72.28	0.07	5.46e-03
26	138	200.00	36.91	60.63	0.02	51.53	0.07	0.01
26	138	250.00	23.96	60.35	0.04	30.88	0.09	8.93e-03
26	138	295.00	27.91	36.65	0.48	21.23	0.20	0.02
26	138	340.00	59.74	20.25	-0.47	7.85	0.08	-0.05
26	150	0.0	163.40	40.67	0.11	19.38	0.03	-0.01
26	150	50.00	163.40	40.67	0.11	19.13	0.03	-0.01
26	150	100.00	141.53	40.64	0.11	13.58	0.09	-0.01
26	150	150.00	124.28	33.83	0.09	6.62	0.13	0.02
26	150	200.00	107.57	27.91	0.10	-0.50	0.16	0.03
26	150	250.00	91.87	26.95	0.13	-7.78	0.21	0.04
26	150	295.00	84.79	26.14	0.92	-8.88	0.45	0.07
26	150	340.00	97.17	9.13	-1.09	-14.00	0.18	-0.06
26	151	0.0	-226.12	-39.65	-0.12	-28.57	-0.03	7.67e-03
26	151	50.00	-226.12	-39.65	-0.12	-28.82	-0.03	6.08e-03
26	151	100.00	-204.22	-39.61	-0.12	-22.72	-0.10	8.37e-03
26	151	150.00	-186.45	-32.80	-0.09	-15.62	-0.14	-0.02
26	151	200.00	-168.93	-26.87	-0.11	-8.59	-0.17	-0.04
26	151	250.00	-152.19	-25.88	-0.15	-1.61	-0.24	-0.04
26	151	295.00	-140.94	-27.42	-0.98	2.22	-0.51	-0.07
26	151	340.00	-142.66	-13.24	1.22	3.18	-0.18	0.07
26	155	0.0	-212.87	-25.25	-0.14	-1.65	-0.04	0.02
26	155	50.00	-212.87	-25.25	-0.14	-1.90	-0.04	0.02
26	155	100.00	-194.51	-25.27	-0.16	-1.18	-0.12	0.01
26	155	150.00	-180.93	-25.27	-0.12	0.86	-0.18	7.74e-03
26	155	200.00	-167.44	-25.22	-0.12	2.91	-0.22	-0.02
26	155	250.00	-154.18	-25.30	-0.15	4.98	-0.29	-0.03
26	155	295.00	-143.94	-20.92	-1.00	7.29	-0.56	-0.06
26	155	340.00	-141.89	-12.68	1.29	8.77	-0.20	0.08
26	170	0.0	104.62	73.23	0.11	126.14	0.03	6.86e-03
26	170	50.00	104.62	73.23	0.11	125.88	0.03	5.07e-03

26	170	100.00	75.96	72.91	0.03	106.06	0.07	5.78e-04
26	170	150.00	60.66	70.59	0.01	82.40	0.08	6.29e-03
26	170	200.00	45.48	68.51	0.02	58.93	0.08	0.01
26	170	250.00	30.78	68.19	0.05	35.56	0.10	0.01
26	170	295.00	34.93	41.51	0.55	24.48	0.23	0.02
26	170	340.00	70.23	23.16	-0.54	9.64	0.09	-0.06
26	182	0.0	162.38	41.10	0.11	20.51	0.03	-9.47e-03
26	182	50.00	162.38	41.10	0.11	20.25	0.03	-9.54e-03
26	182	100.00	140.30	41.06	0.10	14.51	0.08	-0.01
26	182	150.00	122.90	34.22	0.08	7.34	0.12	0.02
26	182	200.00	106.03	28.26	0.09	9.70e-03	0.15	0.03
26	182	250.00	90.19	27.26	0.12	-7.49	0.20	0.04
26	182	295.00	83.10	26.18	0.90	-8.62	0.44	0.07
26	182	340.00	95.58	9.18	-1.07	-13.55	0.18	-0.06
26	183	0.0	-225.09	-40.07	-0.12	-29.69	-0.03	6.84e-03
26	183	50.00	-225.09	-40.07	-0.12	-29.95	-0.03	5.28e-03
26	183	100.00	-202.99	-40.04	-0.11	-23.65	-0.09	7.89e-03
26	183	150.00	-185.06	-33.19	-0.09	-16.33	-0.14	-0.02
26	183	200.00	-167.38	-27.22	-0.10	-9.10	-0.17	-0.04
26	183	250.00	-150.50	-26.18	-0.15	-1.91	-0.23	-0.04
26	183	295.00	-139.25	-27.47	-0.97	1.95	-0.50	-0.07
26	183	340.00	-141.06	-13.29	1.19	2.73	-0.18	0.07
26	187	0.0	-211.00	-25.78	-0.13	-3.65	-0.04	0.02
26	187	50.00	-211.00	-25.78	-0.13	-3.90	-0.04	0.02
26	187	100.00	-192.70	-25.79	-0.15	-2.89	-0.11	0.01
26	187	150.00	-179.17	-25.79	-0.12	-0.53	-0.17	7.52e-03
26	187	200.00	-165.74	-25.74	-0.12	1.83	-0.21	-0.01
26	187	250.00	-152.51	-25.83	-0.15	4.22	-0.28	-0.02
26	187	295.00	-142.28	-21.10	-1.00	6.65	-0.55	-0.06
26	187	340.00	-140.63	-12.84	1.27	8.22	-0.20	0.08
26	202	0.0	105.83	74.92	0.11	129.85	0.03	7.14e-03
26	202	50.00	105.83	74.92	0.11	129.59	0.03	5.29e-03
26	202	100.00	76.75	74.60	0.03	109.21	0.07	3.51e-04
26	202	150.00	61.18	72.26	9.48e-03	84.91	0.07	5.93e-03
26	202	200.00	45.72	70.16	0.02	60.77	0.08	0.01
26	202	250.00	30.73	69.82	0.05	36.65	0.10	9.70e-03
26	202	295.00	34.63	42.36	0.55	25.32	0.23	0.02
26	202	340.00	70.68	23.72	-0.53	10.36	0.09	-0.06
26	214	0.0	196.00	48.50	0.13	25.52	0.04	-0.01
26	214	50.00	196.00	48.50	0.13	25.26	0.03	-0.01
26	214	100.00	169.87	48.45	0.12	18.35	0.10	-0.01
26	214	150.00	149.24	40.37	0.10	9.79	0.15	0.02
26	214	200.00	129.22	33.32	0.11	1.06	0.18	0.04
26	214	250.00	110.42	32.11	0.15	-7.84	0.23	0.05
26	214	295.00	101.71	30.93	1.06	-9.41	0.51	0.08
26	214	340.00	115.47	11.17	-1.25	-14.72	0.21	-0.07
26	215	0.0	-258.71	-47.47	-0.14	-34.70	-0.04	8.12e-03
26	215	50.00	-258.71	-47.47	-0.14	-34.96	-0.04	6.44e-03
26	215	100.00	-232.56	-47.43	-0.13	-27.49	-0.11	9.52e-03
26	215	150.00	-211.40	-39.34	-0.10	-18.78	-0.16	-0.03
26	215	200.00	-190.57	-32.28	-0.12	-10.16	-0.19	-0.04
26	215	250.00	-170.73	-31.04	-0.17	-1.56	-0.26	-0.05
26	215	295.00	-157.86	-32.22	-1.12	2.75	-0.57	-0.08
26	215	340.00	-160.96	-15.29	1.38	3.90	-0.21	0.08
26	219	0.0	-241.03	-30.83	-0.15	-5.11	-0.04	0.03
26	219	50.00	-241.03	-30.83	-0.15	-5.37	-0.04	0.02
26	219	100.00	-219.53	-30.84	-0.17	-3.98	-0.13	0.02
26	219	150.00	-203.73	-30.83	-0.14	-0.98	-0.20	9.13e-03
26	219	200.00	-188.06	-30.78	-0.14	2.06	-0.25	-0.02
26	219	250.00	-172.65	-30.89	-0.17	5.16	-0.32	-0.03
26	219	295.00	-161.04	-24.85	-1.16	7.86	-0.64	-0.07
26	219	340.00	-160.33	-14.87	1.46	10.16	-0.23	0.09
26	234	0.0	130.65	88.93	0.14	155.47	0.04	8.74e-03
26	234	50.00	130.65	88.93	0.14	155.21	0.03	6.67e-03
26	234	100.00	96.16	88.55	0.04	130.90	0.08	6.26e-04
26	234	150.00	77.64	85.78	0.01	101.96	0.09	7.07e-03
26	234	200.00	59.25	83.29	0.02	73.23	0.09	0.01
26	234	250.00	41.42	82.89	0.06	44.53	0.12	0.01
26	234	295.00	45.51	50.39	0.65	30.86	0.28	0.02
26	234	340.00	87.35	28.56	-0.64	13.54	0.11	-0.07
26	248	0.0	-21.36	0.68	-1.24e-03	-3.87	0.0	-3.76e-04
26	248	50.00	-21.36	0.68	-1.24e-03	-4.20	-6.21e-04	-6.04e-04
26	248	100.00	-21.48	0.68	-4.34e-04	-3.90	-8.38e-04	-4.76e-04
26	248	150.00	-21.45	0.68	-5.40e-04	-3.72	-1.11e-03	-4.93e-04
26	248	200.00	-21.33	0.68	-1.24e-03	-3.62	-1.73e-03	-5.61e-04

26	248	250.00	-21.12	0.69	-1.28e-03	-3.59	-2.37e-03	-5.87e-04
26	248	295.00	-19.77	0.03	3.46e-03	-2.47	-8.11e-04	-5.19e-04
26	248	340.00	-15.80	-0.99	2.23e-03	-3.80	1.15e-05	-4.43e-04
26	264	0.0	-42.37	-0.14	-4.46e-03	-4.04	0.0	-2.18e-03
26	264	50.00	-42.37	-0.14	-4.46e-03	-3.97	-2.23e-03	-3.60e-03
26	264	100.00	-42.02	-0.15	-9.61e-03	-3.63	-7.04e-03	-3.23e-03
26	264	150.00	-41.26	-0.15	-8.26e-03	-3.65	-0.01	-2.41e-03
26	264	200.00	-40.27	-0.15	-9.41e-03	-3.84	-0.02	-1.22e-03
26	264	250.00	-39.13	-0.13	-0.02	-4.17	-0.03	2.78e-04
26	264	295.00	-36.14	-1.46	-0.08	-2.81	-0.06	2.28e-04
26	264	340.00	-28.52	-2.56	0.13	-6.35	-4.38e-03	0.01
26	273	0.0	-30.71	-4.05	-6.69e-03	-11.38	0.0	-1.60e-03
26	273	50.00	-30.71	-4.05	-6.69e-03	-9.36	-3.35e-03	-2.37e-03
26	273	100.00	-29.54	-4.03	-3.07e-03	-7.76	-4.88e-03	-1.58e-03
26	273	150.00	-28.25	-4.02	-1.48e-03	-6.27	-5.62e-03	-1.11e-03
26	273	200.00	-26.89	-4.01	-2.82e-03	-4.85	-7.03e-03	-7.23e-04
26	273	250.00	-25.47	-4.00	-0.01	-3.47	-0.01	-2.92e-04
26	273	295.00	-23.61	-2.97	-0.03	-2.40	-0.03	-5.06e-04
26	273	340.00	-19.41	-2.71	0.05	-4.74	-1.79e-03	4.87e-03
26	302	0.0	-24.69	0.39	-1.47e-03	-3.46	0.0	-6.63e-04
26	302	50.00	-24.69	0.39	-1.47e-03	-3.65	-7.37e-04	-1.09e-03
26	302	100.00	-24.65	0.39	-2.33e-03	-3.34	-1.90e-03	-9.68e-04
26	302	150.00	-24.40	0.40	-2.11e-03	-3.19	-2.96e-03	-8.11e-04
26	302	200.00	-24.04	0.40	-2.66e-03	-3.14	-4.29e-03	-6.01e-04
26	302	250.00	-23.59	0.41	-5.56e-03	-3.18	-7.06e-03	-3.06e-04
26	302	295.00	-21.93	-0.28	-0.01	-2.10	-0.01	-2.73e-04
26	302	340.00	-17.23	-1.12	0.03	-3.95	-8.71e-04	2.33e-03
26	305	0.0	-33.02	0.37	-3.56e-03	-4.39	0.0	-1.46e-03
26	305	50.00	-33.02	0.37	-3.56e-03	-4.57	-1.78e-03	-2.38e-03
26	305	100.00	-32.93	0.37	-5.34e-03	-4.29	-4.45e-03	-2.05e-03
26	305	150.00	-32.56	0.37	-4.75e-03	-4.23	-6.83e-03	-1.63e-03
26	305	200.00	-32.04	0.38	-6.14e-03	-4.31	-9.90e-03	-1.04e-03
26	305	250.00	-31.39	0.39	-0.01	-4.49	-0.02	-2.47e-04
26	305	295.00	-29.16	-0.80	-0.04	-3.15	-0.04	-2.36e-04
26	305	340.00	-23.45	-2.12	0.07	-5.48	-2.46e-03	6.99e-03
26	307	0.0	-32.40	-0.36	-4.48e-03	-6.20	0.0	-1.49e-03
26	307	50.00	-32.40	-0.36	-4.48e-03	-6.02	-2.24e-03	-2.36e-03
26	307	100.00	-32.16	-0.36	-4.45e-03	-5.48	-4.46e-03	-1.90e-03
26	307	150.00	-31.70	-0.35	-3.77e-03	-5.14	-6.35e-03	-1.51e-03
26	307	200.00	-31.11	-0.35	-5.40e-03	-4.91	-9.04e-03	-1.04e-03
26	307	250.00	-30.41	-0.33	-0.01	-4.78	-0.02	-3.99e-04
26	307	295.00	-28.30	-1.16	-0.04	-3.41	-0.03	-4.18e-04
26	307	340.00	-23.11	-2.37	0.07	-5.56	-2.16e-03	5.98e-03
26	309	0.0	-25.52	0.32	-1.53e-03	-3.35	0.0	-7.35e-04
26	309	50.00	-25.52	0.32	-1.53e-03	-3.51	-7.66e-04	-1.22e-03
26	309	100.00	-25.44	0.32	-2.81e-03	-3.19	-2.17e-03	-1.09e-03
26	309	150.00	-25.14	0.32	-2.50e-03	-3.06	-3.42e-03	-8.91e-04
26	309	200.00	-24.72	0.33	-3.01e-03	-3.02	-4.92e-03	-6.11e-04
26	309	250.00	-24.20	0.34	-6.62e-03	-3.07	-8.24e-03	-2.36e-04
26	309	295.00	-22.47	-0.35	-0.02	-2.01	-0.02	-2.11e-04
26	309	340.00	-17.58	-1.16	0.03	-3.98	-1.09e-03	3.02e-03
26	310	0.0	-31.36	0.51	-3.45e-03	-4.59	0.0	-1.32e-03
26	310	50.00	-31.36	0.51	-3.45e-03	-4.85	-1.72e-03	-2.13e-03
26	310	100.00	-31.35	0.51	-4.39e-03	-4.57	-3.92e-03	-1.81e-03
26	310	150.00	-31.08	0.51	-3.97e-03	-4.50	-5.90e-03	-1.47e-03
26	310	200.00	-30.68	0.52	-5.44e-03	-4.55	-8.62e-03	-1.02e-03
26	310	250.00	-30.16	0.54	-0.01	-4.70	-0.01	-3.87e-04
26	310	295.00	-28.07	-0.64	-0.03	-3.33	-0.03	-3.60e-04
26	310	340.00	-22.74	-2.06	0.06	-5.41	-2.02e-03	5.61e-03
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-258.71	-47.47	-1.25	-34.96	-0.64	-0.08
			196.00	88.93	1.46	155.47	0.51	0.09

Macro	Tipo	Angolo 1-Z (gradi)
27	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
27	4	340.00	-10.66	-10.76	0.06	8.73	0.0	-0.07
27	4	393.33	-3.08	-5.99	-7.83e-03	4.18	0.04	-0.08
27	4	393.33	-3.08	-5.99	-7.83e-03	4.18	0.04	-0.08

27	4	393.33	-3.08	-5.99	-7.83e-03	4.18	0.04	-0.08
27	4	446.67	-0.96	-8.09	-0.04	4.38	5.50e-03	0.03
27	4	446.67	-0.96	-8.09	-0.04	4.38	5.50e-03	0.03
27	44	340.00	-8.24	-9.83	-0.22	7.13	0.0	0.26
27	44	393.33	-2.52	-5.75	0.03	3.61	-0.13	0.27
27	44	393.33	-2.52	-5.75	0.03	3.61	-0.13	0.27
27	44	393.33	-2.52	-5.75	0.03	3.61	-0.13	0.27
27	44	446.67	-0.79	-7.46	0.14	3.97	-0.02	-0.13
27	44	446.67	-0.79	-7.46	0.14	3.97	-0.02	-0.13
27	45	340.00	-3.80	-3.83	-0.22	2.34	0.0	0.26
27	45	393.33	-1.34	-2.38	0.03	1.29	-0.13	0.26
27	45	393.33	-1.34	-2.38	0.03	1.29	-0.13	0.26
27	45	393.33	-1.34	-2.38	0.03	1.29	-0.13	0.26
27	45	446.67	-0.41	-2.94	0.14	1.54	-0.02	-0.12
27	45	446.67	-0.41	-2.94	0.14	1.54	-0.02	-0.12
27	68	340.00	-9.73	-16.25	-2.09e-03	7.84	0.0	1.81e-03
27	68	393.33	-2.87	-10.61	1.81e-04	4.91	-1.50e-03	2.00e-03
27	68	393.33	-2.87	-10.61	1.81e-04	4.91	-1.50e-03	2.00e-03
27	68	393.33	-2.87	-10.61	1.81e-04	4.91	-1.50e-03	2.00e-03
27	68	446.67	-0.91	-12.67	6.65e-04	6.47	-6.39e-04	-2.48e-03
27	68	446.67	-0.91	-12.67	6.65e-04	6.47	-6.39e-04	-2.48e-03
27	123	340.00	2.18	-28.60	-0.17	8.10	-0.04	0.05
27	123	393.33	10.44	-26.47	-5.35e-03	24.71	-0.08	0.05
27	123	393.33	10.44	-26.47	-5.35e-03	24.71	-0.08	0.05
27	123	393.33	10.44	-26.47	-5.35e-03	24.71	-0.08	0.05
27	123	446.67	1.64	-24.91	-0.12	-0.24	-0.03	0.04
27	123	446.67	1.64	-24.91	-0.12	-0.24	-0.03	0.04
27	125	340.00	-15.95	-33.19	0.17	15.45	0.04	-0.04
27	125	393.33	-15.58	-31.28	0.01	33.65	0.07	-0.03
27	125	393.33	-15.58	-31.28	0.01	33.65	0.07	-0.03
27	125	393.33	-15.58	-31.28	0.01	33.65	0.07	-0.03
27	125	446.67	-3.02	-29.41	0.07	2.22	0.03	-0.03
27	125	446.67	-3.02	-29.41	0.07	2.22	0.03	-0.03
27	128	340.00	3.30	21.73	-0.17	-6.43	-0.04	0.05
27	128	393.33	11.73	24.82	-0.01	-29.27	-0.07	0.04
27	128	393.33	11.73	24.82	-0.01	-29.27	-0.07	0.04
27	128	393.33	11.73	24.82	-0.01	-29.27	-0.07	0.04
27	128	446.67	1.83	20.76	-0.07	2.43	-0.03	0.03
27	128	446.67	1.83	20.76	-0.07	2.43	-0.03	0.03
27	129	340.00	-8.93	-97.41	9.75e-03	31.44	0.01	0.02
27	129	393.33	-5.19	-96.62	3.06e-03	101.29	0.02	0.03
27	129	393.33	-5.19	-96.62	3.06e-03	101.29	0.02	0.03
27	129	393.33	-5.19	-96.62	3.06e-03	101.29	0.02	0.03
27	129	446.67	-1.30	-87.52	-0.09	-2.10	8.62e-03	0.03
27	129	446.67	-1.30	-87.52	-0.09	-2.10	8.62e-03	0.03
27	155	340.00	3.23	-31.66	-0.19	8.61	-0.05	0.06
27	155	393.33	11.97	-29.58	-6.08e-03	27.75	-0.08	0.05
27	155	393.33	11.97	-29.58	-6.08e-03	27.75	-0.08	0.05
27	155	393.33	11.97	-29.58	-6.08e-03	27.75	-0.08	0.05
27	155	446.67	1.92	-27.67	-0.14	-0.56	-0.03	0.04
27	155	446.67	1.92	-27.67	-0.14	-0.56	-0.03	0.04
27	157	340.00	-17.15	-36.79	0.19	16.86	0.05	-0.05
27	157	393.33	-17.29	-34.96	0.01	37.76	0.08	-0.04
27	157	393.33	-17.29	-34.96	0.01	37.76	0.08	-0.04
27	157	393.33	-17.29	-34.96	0.01	37.76	0.08	-0.04
27	157	446.67	-3.33	-32.69	0.08	2.21	0.03	-0.03
27	157	446.67	-3.33	-32.69	0.08	2.21	0.03	-0.03
27	160	340.00	4.51	25.33	-0.19	-7.84	-0.05	0.05
27	160	393.33	13.43	28.50	-0.01	-33.38	-0.08	0.04
27	160	393.33	13.43	28.50	-0.01	-33.38	-0.08	0.04
27	160	393.33	13.43	28.50	-0.01	-33.38	-0.08	0.04
27	160	446.67	2.14	24.05	-0.08	2.45	-0.03	0.03
27	160	446.67	2.14	24.05	-0.08	2.45	-0.03	0.03
27	161	340.00	-9.28	-109.61	0.01	35.02	0.01	0.03
27	161	393.33	-5.64	-109.05	3.35e-03	114.47	0.02	0.03
27	161	393.33	-5.64	-109.05	3.35e-03	114.47	0.02	0.03
27	161	393.33	-5.64	-109.05	3.35e-03	114.47	0.02	0.03
27	161	446.67	-1.40	-98.59	-0.10	-2.68	9.68e-03	0.03
27	161	446.67	-1.40	-98.59	-0.10	-2.68	9.68e-03	0.03
27	187	340.00	3.06	-32.77	-0.19	9.01	-0.05	0.06
27	187	393.33	11.72	-30.72	-6.49e-03	29.00	-0.08	0.05
27	187	393.33	11.72	-30.72	-6.49e-03	29.00	-0.08	0.05
27	187	393.33	11.72	-30.72	-6.49e-03	29.00	-0.08	0.05
27	187	446.67	1.86	-28.68	-0.13	-0.56	-0.03	0.04
27	187	446.67	1.86	-28.68	-0.13	-0.56	-0.03	0.04

27	189	340.00	-17.04	-37.57	0.18	17.02	0.05	-0.05
27	189	393.33	-17.11	-35.75	0.01	38.53	0.08	-0.04
27	189	393.33	-17.11	-35.75	0.01	38.53	0.08	-0.04
27	189	393.33	-17.11	-35.75	0.01	38.53	0.08	-0.04
27	189	446.67	-3.30	-33.39	0.08	2.17	0.03	-0.03
27	189	446.67	-3.30	-33.39	0.08	2.17	0.03	-0.03
27	192	340.00	4.40	26.11	-0.18	-8.00	-0.05	0.05
27	192	393.33	13.25	29.29	-0.01	-34.15	-0.08	0.04
27	192	393.33	13.25	29.29	-0.01	-34.15	-0.08	0.04
27	192	393.33	13.25	29.29	-0.01	-34.15	-0.08	0.04
27	192	446.67	2.11	24.75	-0.08	2.49	-0.03	0.03
27	192	446.67	2.11	24.75	-0.08	2.49	-0.03	0.03
27	193	340.00	-9.43	-113.55	0.01	36.16	0.01	0.03
27	193	393.33	-5.82	-113.08	2.87e-03	118.66	0.02	0.03
27	193	393.33	-5.82	-113.08	2.87e-03	118.66	0.02	0.03
27	193	393.33	-5.82	-113.08	2.87e-03	118.66	0.02	0.03
27	193	446.67	-1.44	-102.17	-0.09	-2.77	9.26e-03	0.03
27	193	446.67	-1.44	-102.17	-0.09	-2.77	9.26e-03	0.03
27	219	340.00	4.57	-38.41	-0.22	10.11	-0.05	0.07
27	219	393.33	13.91	-36.45	-7.66e-03	34.70	-0.10	0.06
27	219	393.33	13.91	-36.45	-7.66e-03	34.70	-0.10	0.06
27	219	393.33	13.91	-36.45	-7.66e-03	34.70	-0.10	0.06
27	219	446.67	2.25	-33.77	-0.15	-1.08	-0.03	0.05
27	219	446.67	2.25	-33.77	-0.15	-1.08	-0.03	0.05
27	221	340.00	-18.83	-43.59	0.21	19.29	0.06	-0.06
27	221	393.33	-19.62	-41.89	0.02	45.32	0.09	-0.04
27	221	393.33	-19.62	-41.89	0.02	45.32	0.09	-0.04
27	221	393.33	-19.62	-41.89	0.02	45.32	0.09	-0.04
27	221	446.67	-3.74	-38.88	0.09	2.10	0.04	-0.04
27	221	446.67	-3.74	-38.88	0.09	2.10	0.04	-0.04
27	224	340.00	6.18	32.12	-0.21	-10.27	-0.06	0.06
27	224	393.33	15.77	35.43	-0.02	-40.95	-0.09	0.05
27	224	393.33	15.77	35.43	-0.02	-40.95	-0.09	0.05
27	224	393.33	15.77	35.43	-0.02	-40.95	-0.09	0.05
27	224	446.67	2.56	30.24	-0.09	2.55	-0.04	0.03
27	224	446.67	2.56	30.24	-0.09	2.55	-0.04	0.03
27	225	340.00	-10.09	-135.65	0.01	42.63	0.01	0.03
27	225	393.33	-6.64	-135.59	3.18e-03	142.50	0.02	0.04
27	225	393.33	-6.64	-135.59	3.18e-03	142.50	0.02	0.04
27	225	393.33	-6.64	-135.59	3.18e-03	142.50	0.02	0.04
27	225	446.67	-1.60	-122.22	-0.11	-3.80	0.01	0.04
27	225	446.67	-1.60	-122.22	-0.11	-3.80	0.01	0.04
27	244	340.00	-7.68	-7.46	0.04	6.04	0.0	-0.05
27	244	393.33	-2.25	-4.16	-5.22e-03	2.89	0.02	-0.05
27	244	393.33	-2.25	-4.16	-5.22e-03	2.89	0.02	-0.05
27	244	393.33	-2.25	-4.16	-5.22e-03	2.89	0.02	-0.05
27	244	446.67	-0.70	-5.61	-0.03	3.04	3.64e-03	0.02
27	244	446.67	-0.70	-5.61	-0.03	3.04	3.64e-03	0.02
27	261	340.00	-4.38	-3.96	-0.15	2.67	0.0	0.17
27	261	393.33	-1.47	-2.37	0.02	1.40	-0.09	0.18
27	261	393.33	-1.47	-2.37	0.02	1.40	-0.09	0.18
27	261	393.33	-1.47	-2.37	0.02	1.40	-0.09	0.18
27	261	446.67	-0.45	-3.01	0.09	1.59	-0.01	-0.08
27	261	446.67	-0.45	-3.01	0.09	1.59	-0.01	-0.08
27	264	340.00	-6.07	-6.84	-0.15	4.97	0.0	0.17
27	264	393.33	-1.87	-4.00	0.02	2.51	-0.09	0.18
27	264	393.33	-1.87	-4.00	0.02	2.51	-0.09	0.18
27	264	393.33	-1.87	-4.00	0.02	2.51	-0.09	0.18
27	264	446.67	-0.59	-5.19	0.10	2.76	-0.01	-0.08
27	264	446.67	-0.59	-5.19	0.10	2.76	-0.01	-0.08
27	276	340.00	-7.05	-11.12	-1.47e-03	5.45	0.0	1.26e-03
27	276	393.33	-2.11	-7.23	1.26e-04	3.38	-1.05e-03	1.40e-03
27	276	393.33	-2.11	-7.23	1.26e-04	3.38	-1.05e-03	1.40e-03
27	276	393.33	-2.11	-7.23	1.26e-04	3.38	-1.05e-03	1.40e-03
27	276	446.67	-0.66	-8.66	4.73e-04	4.43	-4.46e-04	-1.73e-03
27	276	446.67	-0.66	-8.66	4.73e-04	4.43	-4.46e-04	-1.73e-03
27	298	340.00	-6.51	-6.08	-1.17e-03	4.79	0.0	1.37e-03
27	298	393.33	-1.97	-3.43	7.54e-05	2.32	-8.49e-04	1.51e-03
27	298	393.33	-1.97	-3.43	7.54e-05	2.32	-8.49e-04	1.51e-03
27	298	393.33	-1.97	-3.43	7.54e-05	2.32	-8.49e-04	1.51e-03
27	298	446.67	-0.61	-4.59	3.64e-04	2.47	-3.77e-04	-1.51e-03
27	298	446.67	-0.61	-4.59	3.64e-04	2.47	-3.77e-04	-1.51e-03
27	304	340.00	-5.02	-3.69	-0.03	2.82	0.0	0.03
27	304	393.33	-1.62	-2.10	3.60e-03	1.39	-0.02	0.04
27	304	393.33	-1.62	-2.10	3.60e-03	1.39	-0.02	0.04

27	304	393.33	-1.62	-2.10	3.60e-03	1.39	-0.02	0.04
27	304	446.67	-0.49	-2.78	0.02	1.50	-2.98e-03	-0.02
27	304	446.67	-0.49	-2.78	0.02	1.50	-2.98e-03	-0.02
27	305	340.00	-6.16	-5.80	-0.03	4.47	0.0	0.04
27	305	393.33	-1.89	-3.30	3.61e-03	2.19	-0.02	0.04
27	305	393.33	-1.89	-3.30	3.61e-03	2.19	-0.02	0.04
27	305	393.33	-1.89	-3.30	3.61e-03	2.19	-0.02	0.04
27	305	446.67	-0.58	-4.38	0.02	2.35	-3.10e-03	-0.02
27	305	446.67	-0.58	-4.38	0.02	2.35	-3.10e-03	-0.02
27	307	340.00	-6.36	-6.65	-1.15e-03	4.57	0.0	1.25e-03
27	307	393.33	-1.94	-3.94	8.05e-05	2.36	-8.31e-04	1.38e-03
27	307	393.33	-1.94	-3.94	8.05e-05	2.36	-8.31e-04	1.38e-03
27	307	393.33	-1.94	-3.94	8.05e-05	2.36	-8.31e-04	1.38e-03
27	307	446.67	-0.60	-5.07	3.63e-04	2.69	-3.65e-04	-1.45e-03
27	307	446.67	-0.60	-5.07	3.63e-04	2.69	-3.65e-04	-1.45e-03
27	309	340.00	-5.18	-3.62	-8.26e-04	2.86	0.0	6.98e-04
27	309	393.33	-1.66	-2.03	5.58e-05	1.38	-5.85e-04	7.69e-04
27	309	393.33	-1.66	-2.03	5.58e-05	1.38	-5.85e-04	7.69e-04
27	309	393.33	-1.66	-2.03	5.58e-05	1.38	-5.85e-04	7.69e-04
27	309	446.67	-0.50	-2.72	3.12e-04	1.47	-2.42e-04	-9.68e-04
27	309	446.67	-0.50	-2.72	3.12e-04	1.47	-2.42e-04	-9.68e-04
27	310	340.00	-6.32	-5.73	-1.12e-03	4.51	0.0	1.27e-03
27	310	393.33	-1.93	-3.23	7.26e-05	2.19	-8.11e-04	1.41e-03
27	310	393.33	-1.93	-3.23	7.26e-05	2.19	-8.11e-04	1.41e-03
27	310	393.33	-1.93	-3.23	7.26e-05	2.19	-8.11e-04	1.41e-03
27	310	446.67	-0.59	-4.32	3.57e-04	2.33	-3.58e-04	-1.43e-03
27	310	446.67	-0.59	-4.32	3.57e-04	2.33	-3.58e-04	-1.43e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-19.62	-135.65	-0.22	-40.95	-0.13	-0.13
	15.77	35.43	0.21	142.50	0.09	0.27

Macro	Tipo	Angolo 1-Z (gradi)
28	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
28	28	700.00	-72.10	9.31	-1.22	48.63	0.0	0.12
28	28	753.33	-71.98	10.05	-1.22	43.51	-0.65	0.13
28	28	806.67	-73.38	37.08	0.76	23.53	-0.24	-0.05
28	28	860.00	-67.86	37.34	0.30	8.78	-0.08	-0.02
28	28	910.00	-62.42	37.41	0.14	-4.81	-0.02	-0.02
28	28	960.00	-57.10	37.36	0.12	-18.46	0.04	-0.01
28	28	1010.00	-50.41	39.02	0.22	-33.59	0.15	-0.02
28	28	1060.00	-23.61	20.51	-0.30	-13.52	0.01	0.02
28	35	700.00	-80.86	9.85	-0.96	34.71	0.0	0.10
28	35	753.33	-80.74	10.53	-0.96	29.29	-0.51	0.10
28	35	806.67	-82.82	35.30	0.60	9.43	-0.19	-0.04
28	35	860.00	-77.58	35.54	0.24	-4.70	-0.06	-0.02
28	35	910.00	-72.35	35.60	0.13	-17.64	3.13e-03	-0.01
28	35	960.00	-67.19	35.54	0.13	-30.59	0.07	-0.01
28	35	1010.00	-60.50	38.10	0.27	-45.53	0.21	-0.01
28	35	1060.00	-27.36	17.83	-0.41	-16.28	0.02	0.03
28	51	700.00	-58.79	6.85	-1.27	52.01	0.0	0.13
28	51	753.33	-58.66	7.55	-1.27	48.19	-0.68	0.14
28	51	806.67	-59.62	32.62	0.80	30.80	-0.25	-0.05
28	51	860.00	-54.77	32.86	0.31	17.60	-0.08	-0.03
28	51	910.00	-49.99	32.93	0.13	5.44	-0.02	-0.02
28	51	960.00	-45.31	32.89	0.09	-6.78	0.03	-0.01
28	51	1010.00	-39.00	34.70	0.16	-20.97	0.11	-0.01
28	51	1060.00	-18.78	19.66	-0.22	-9.83	9.73e-03	0.01
28	93	700.00	-32.03	4.06	-0.29	10.80	0.0	0.03
28	93	753.33	-31.85	4.28	-0.29	8.44	-0.15	0.03
28	93	806.67	-32.20	12.80	0.18	1.33	-0.05	-0.01
28	93	860.00	-29.69	12.88	0.08	-3.73	-0.01	-6.46e-03
28	93	910.00	-27.19	12.90	0.04	-8.35	5.47e-03	-4.29e-03
28	93	960.00	-24.73	12.89	0.04	-12.97	0.03	-3.21e-03
28	93	1010.00	-22.08	13.01	0.09	-17.54	0.07	-3.54e-03
28	93	1060.00	-9.85	5.76	-0.14	-6.08	5.74e-03	0.01
28	123	700.00	-75.47	2.30	-1.56	25.13	-0.24	-0.04
28	123	753.33	-74.63	3.70	-1.43	21.92	-0.78	-0.03
28	123	806.67	-72.01	22.61	-0.64	11.31	-0.90	-0.08

28	123	860.00	-65.10	23.03	-0.30	5.93	-1.23	-0.04
28	123	910.00	-58.79	23.24	0.02	0.43	-1.38	3.20e-03
28	123	960.00	-53.10	23.34	0.37	-5.14	-1.24	0.04
28	123	1010.00	-41.41	30.81	0.87	-14.55	-0.95	0.08
28	123	1060.00	-26.66	15.92	1.47	-15.88	-0.39	0.08
28	125	700.00	-18.88	-4.29	0.16	30.37	0.22	0.19
28	125	753.33	-18.19	-4.78	0.02	27.07	0.08	0.18
28	125	806.67	-19.04	4.23	1.61	17.72	0.62	0.02
28	125	860.00	-20.71	4.44	0.64	11.57	1.14	0.01
28	125	910.00	-21.52	4.64	0.14	6.74	1.33	-0.02
28	125	960.00	-22.05	4.68	-0.26	2.17	1.29	-0.05
28	125	1010.00	-21.24	11.20	-0.54	-8.87	1.09	-0.09
28	125	1060.00	-4.22	6.22	-1.73	2.07	0.38	-0.05
28	126	700.00	-2.90	7.72	0.30	26.86	0.25	0.17
28	126	753.33	-3.32	7.11	0.17	24.56	0.10	0.16
28	126	806.67	-7.12	16.51	1.45	14.31	0.66	0.03
28	126	860.00	-7.52	16.35	0.62	3.97	1.15	0.01
28	126	910.00	-7.39	16.20	0.13	-4.97	1.33	-0.02
28	126	960.00	-6.84	16.00	-0.26	-13.80	1.29	-0.05
28	126	1010.00	-11.05	9.78	-0.64	-19.93	1.09	-0.10
28	126	1060.00	2.14	5.45	-1.76	1.91	0.39	-0.06
28	144	700.00	-20.86	25.63	-0.67	19.47	-7.65e-03	-2.67e-03
28	144	753.33	-22.56	26.10	-0.62	18.51	-0.43	0.01
28	144	806.67	-27.52	42.41	-0.19	6.41	-0.29	-0.04
28	144	860.00	-20.97	41.98	-6.79e-03	-8.18	-0.38	-0.02
28	144	910.00	-15.26	41.42	0.03	-22.19	-0.40	-6.77e-03
28	144	960.00	-9.48	41.01	0.15	-36.57	-0.35	7.21e-03
28	144	1010.00	-12.38	20.77	0.17	-36.08	-0.22	0.02
28	144	1060.00	-5.09	10.84	0.27	-9.82	-0.10	0.01
28	155	700.00	-80.03	1.95	-1.67	25.01	-0.27	-0.05
28	155	753.33	-79.11	3.48	-1.53	21.74	-0.83	-0.04
28	155	806.67	-76.08	22.98	-0.77	11.11	-1.00	-0.08
28	155	860.00	-68.72	23.44	-0.36	6.04	-1.38	-0.04
28	155	910.00	-62.02	23.67	0.01	0.77	-1.55	4.71e-03
28	155	960.00	-56.01	23.80	0.41	-4.59	-1.40	0.05
28	155	1010.00	-43.34	32.12	0.96	-14.23	-1.07	0.10
28	155	1060.00	-28.47	16.57	1.67	-16.99	-0.44	0.09
28	157	700.00	-16.43	-5.45	0.26	30.89	0.24	0.21
28	157	753.33	-15.67	-6.04	0.10	27.52	0.13	0.19
28	157	806.67	-16.55	2.32	1.76	18.30	0.72	0.03
28	157	860.00	-18.83	2.54	0.69	12.38	1.29	0.02
28	157	910.00	-20.13	2.77	0.15	7.84	1.49	-0.02
28	157	960.00	-21.11	2.81	-0.30	3.61	1.45	-0.06
28	157	1010.00	-20.64	10.07	-0.63	-7.82	1.22	-0.11
28	157	1060.00	-3.24	5.66	-1.93	3.19	0.43	-0.05
28	170	700.00	0.20	26.24	-0.21	20.75	0.12	0.06
28	170	753.33	-1.62	25.45	-0.22	19.79	-0.21	0.06
28	170	806.67	-8.67	39.45	0.35	7.56	0.10	-6.04e-03
28	170	860.00	-4.06	39.03	0.23	-8.78	0.22	-5.59e-03
28	170	910.00	0.36	38.38	0.06	-24.19	0.27	-9.69e-03
28	170	960.00	5.80	37.69	-9.30e-03	-40.37	0.29	-0.01
28	170	1010.00	-5.34	14.80	-0.19	-33.99	0.30	-0.03
28	170	1060.00	2.23	7.80	-0.53	-4.11	0.10	-0.02
28	176	700.00	-18.47	28.36	-0.67	18.67	-7.83e-03	-0.01
28	176	753.33	-20.39	28.84	-0.61	17.90	-0.44	3.82e-03
28	176	806.67	-25.92	45.41	-0.27	5.58	-0.31	-0.04
28	176	860.00	-18.93	44.90	-0.03	-9.93	-0.42	-0.02
28	176	910.00	-12.87	44.26	0.03	-24.86	-0.45	-6.53e-03
28	176	960.00	-6.74	43.81	0.16	-40.19	-0.40	8.98e-03
28	176	1010.00	-10.53	20.85	0.17	-38.59	-0.25	0.02
28	176	1060.00	-4.12	10.87	0.33	-10.19	-0.11	9.88e-03
28	189	700.00	-17.15	-5.56	0.24	30.72	0.24	0.20
28	189	753.33	-16.43	-6.13	0.09	27.39	0.12	0.19
28	189	806.67	-17.23	2.33	1.74	18.18	0.70	0.03
28	189	860.00	-19.46	2.56	0.68	12.38	1.27	0.02
28	189	910.00	-20.76	2.79	0.15	7.91	1.46	-0.02
28	189	960.00	-21.72	2.85	-0.29	3.68	1.42	-0.06
28	189	1010.00	-20.85	10.21	-0.61	-7.57	1.20	-0.10
28	189	1060.00	-3.54	5.73	-1.90	3.03	0.42	-0.05
28	199	700.00	-80.27	-15.43	-1.08	30.84	-0.12	0.07
28	199	753.33	-77.60	-14.41	-1.07	25.84	-0.49	0.07
28	199	806.67	-72.07	0.63	0.30	16.86	-0.41	-0.04
28	199	860.00	-69.33	1.49	0.01	16.84	-0.45	-0.02
28	199	910.00	-66.29	2.15	0.08	17.05	-0.61	5.22e-03
28	199	960.00	-63.84	2.48	0.15	17.57	-0.40	0.02

28	199	1010.00	-49.02	26.54	0.57	1.18	-0.30	0.03
28	199	1060.00	-28.14	13.70	0.52	-10.21	-0.16	0.06
28	202	700.00	0.45	26.73	-0.20	20.94	0.12	0.05
28	202	753.33	-1.27	25.93	-0.21	19.87	-0.21	0.06
28	202	806.67	-8.45	39.90	0.34	7.57	0.10	-6.15e-03
28	202	860.00	-3.68	39.46	0.22	-9.12	0.22	-5.88e-03
28	202	910.00	0.94	38.81	0.06	-24.84	0.26	-9.80e-03
28	202	960.00	6.49	38.09	-0.01	-41.23	0.28	-0.01
28	202	1010.00	-4.86	15.01	-0.19	-34.53	0.29	-0.03
28	202	1060.00	2.40	7.92	-0.51	-4.26	0.09	-0.02
28	204	700.00	-17.63	29.01	-0.52	18.47	0.03	-2.65e-04
28	204	753.33	-19.51	30.11	-0.48	17.66	-0.38	0.01
28	204	806.67	-24.82	45.88	-0.13	5.62	-0.20	-0.03
28	204	860.00	-18.19	45.20	0.03	-9.71	-0.26	-0.02
28	204	910.00	-12.69	44.53	0.03	-24.28	-0.27	-9.81e-03
28	204	960.00	-7.92	44.23	0.12	-38.59	-0.22	4.06e-04
28	204	1010.00	-8.22	20.45	0.06	-41.93	-0.12	6.38e-03
28	204	1060.00	-2.56	10.73	0.12	-10.31	-0.06	-2.45e-03
28	221	700.00	-13.83	-7.42	0.38	31.51	0.28	0.23
28	221	753.33	-13.00	-8.15	0.20	28.07	0.19	0.21
28	221	806.67	-13.80	-0.62	1.96	19.07	0.83	0.04
28	221	860.00	-16.94	-0.37	0.77	13.66	1.48	0.02
28	221	910.00	-18.97	-0.10	0.16	9.69	1.70	-0.02
28	221	960.00	-20.60	-0.03	-0.35	5.98	1.65	-0.07
28	221	1010.00	-20.10	8.60	-0.73	-5.87	1.38	-0.12
28	221	1060.00	-2.21	4.93	-2.18	4.64	0.49	-0.06
28	231	700.00	-88.16	-19.59	-1.17	31.73	-0.14	0.07
28	231	753.33	-85.01	-18.46	-1.15	26.29	-0.51	0.07
28	231	806.67	-78.27	-3.28	0.29	17.62	-0.46	-0.05
28	231	860.00	-75.70	-2.28	-7.52e-03	19.23	-0.52	-0.02
28	231	910.00	-72.77	-1.49	0.08	20.98	-0.71	7.84e-03
28	231	960.00	-70.49	-1.08	0.16	23.08	-0.47	0.03
28	231	1010.00	-53.52	27.61	0.65	4.91	-0.37	0.04
28	231	1060.00	-31.18	14.21	0.63	-10.71	-0.19	0.07
28	234	700.00	7.66	30.90	-0.12	20.02	0.14	0.05
28	234	753.33	5.59	29.88	-0.13	19.25	-0.18	0.06
28	234	806.67	-2.84	43.82	0.32	6.58	0.14	-2.76e-03
28	234	860.00	2.28	43.28	0.23	-11.83	0.26	-4.70e-03
28	234	910.00	7.25	42.49	0.06	-29.21	0.30	-0.01
28	234	960.00	13.31	41.65	-0.02	-47.37	0.32	-0.01
28	234	1010.00	-0.86	14.14	-0.25	-37.93	0.32	-0.03
28	234	1060.00	5.09	7.46	-0.57	-3.86	0.11	-0.03
28	236	700.00	-13.50	33.61	-0.49	17.08	0.04	-0.01
28	236	753.33	-15.72	34.85	-0.44	16.57	-0.38	3.69e-03
28	236	806.67	-21.93	50.89	-0.23	4.24	-0.21	-0.03
28	236	860.00	-14.64	50.07	8.16e-03	-12.55	-0.29	-0.02
28	236	910.00	-8.70	49.26	0.02	-28.53	-0.31	-0.01
28	236	960.00	-3.62	48.90	0.12	-44.18	-0.27	1.56e-03
28	236	1010.00	-4.74	20.49	0.05	-46.60	-0.16	8.74e-03
28	236	1060.00	-0.67	10.73	0.18	-10.92	-0.07	-5.02e-03
28	256	700.00	-51.41	6.50	-0.83	33.23	0.0	0.09
28	256	753.33	-51.31	7.02	-0.83	29.63	-0.44	0.09
28	256	806.67	-52.26	25.77	0.52	15.71	-0.17	-0.03
28	256	860.00	-48.31	25.95	0.21	5.46	-0.06	-0.02
28	256	910.00	-44.42	26.00	0.09	-3.97	-9.37e-03	-0.01
28	256	960.00	-40.61	25.97	0.08	-13.44	0.03	-9.97e-03
28	256	1010.00	-35.83	27.17	0.15	-23.99	0.11	-0.01
28	256	1060.00	-16.71	14.16	-0.22	-9.56	9.18e-03	0.02
28	259	700.00	-57.25	6.87	-0.66	23.95	0.0	0.07
28	259	753.33	-57.15	7.33	-0.66	20.15	-0.35	0.07
28	259	806.67	-58.55	24.59	0.42	6.31	-0.13	-0.03
28	259	860.00	-54.79	24.75	0.17	-3.53	-0.04	-0.01
28	259	910.00	-51.04	24.80	0.09	-12.53	2.75e-03	-9.86e-03
28	259	960.00	-47.34	24.76	0.09	-21.53	0.05	-8.09e-03
28	259	1010.00	-42.55	26.55	0.19	-31.94	0.15	-9.22e-03
28	259	1060.00	-19.21	12.37	-0.29	-11.39	0.01	0.02
28	267	700.00	-42.54	4.86	-0.87	35.49	0.0	0.09
28	267	753.33	-42.43	5.35	-0.87	32.75	-0.46	0.09
28	267	806.67	-43.08	22.80	0.55	20.56	-0.17	-0.03
28	267	860.00	-39.59	22.97	0.21	11.35	-0.06	-0.02
28	267	910.00	-36.14	23.01	0.09	2.86	-0.01	-0.01
28	267	960.00	-32.75	22.99	0.07	-5.65	0.02	-9.58e-03
28	267	1010.00	-28.22	24.28	0.12	-15.58	0.08	-9.61e-03
28	267	1060.00	-13.49	13.59	-0.16	-7.10	7.03e-03	0.01
28	285	700.00	-34.09	4.09	-0.32	12.00	0.0	0.03

28	285	753.33	-33.92	4.34	-0.32	9.63	-0.17	0.03
28	285	806.67	-34.38	13.55	0.21	2.04	-0.06	-0.01
28	285	860.00	-31.81	13.64	0.08	-3.35	-0.02	-7.23e-03
28	285	910.00	-29.25	13.67	0.04	-8.28	5.62e-03	-4.80e-03
28	285	960.00	-26.72	13.65	0.05	-13.19	0.03	-3.62e-03
28	285	1010.00	-23.83	14.09	0.10	-18.38	0.08	-4.01e-03
28	285	1060.00	-10.64	6.32	-0.16	-6.42	6.30e-03	0.01
28	298	700.00	-39.80	4.89	-0.70	28.43	0.0	0.07
28	298	753.33	-39.67	5.31	-0.70	25.66	-0.37	0.08
28	298	806.67	-40.23	20.32	0.44	14.75	-0.14	-0.03
28	298	860.00	-36.97	20.46	0.17	6.58	-0.04	-0.01
28	298	910.00	-33.74	20.50	0.08	-0.93	-5.74e-03	-9.60e-03
28	298	960.00	-30.58	20.48	0.06	-8.47	0.02	-7.79e-03
28	298	1010.00	-26.66	21.23	0.11	-16.76	0.08	-7.90e-03
28	298	1060.00	-12.54	11.39	-0.16	-6.99	6.72e-03	0.01
28	301	700.00	-42.29	5.08	-0.64	25.18	0.0	0.07
28	301	753.33	-42.16	5.47	-0.64	22.32	-0.34	0.07
28	301	806.67	-42.91	20.05	0.41	11.33	-0.12	-0.03
28	301	860.00	-39.69	20.19	0.16	3.25	-0.04	-0.01
28	301	910.00	-36.50	20.23	0.07	-4.17	-1.22e-03	-8.98e-03
28	301	960.00	-33.36	20.20	0.07	-11.59	0.03	-7.16e-03
28	301	1010.00	-29.42	21.19	0.13	-19.91	0.09	-7.48e-03
28	301	1060.00	-13.59	10.82	-0.19	-7.75	7.78e-03	0.01
28	308	700.00	-34.39	3.70	-0.33	12.01	0.0	0.03
28	308	753.33	-34.22	3.95	-0.33	9.85	-0.18	0.03
28	308	806.67	-34.74	13.13	0.21	2.42	-0.06	-0.01
28	308	860.00	-32.23	13.21	0.09	-2.83	-0.02	-7.29e-03
28	308	910.00	-29.73	13.24	0.05	-7.61	5.64e-03	-4.81e-03
28	308	960.00	-27.26	13.22	0.05	-12.38	0.03	-3.62e-03
28	308	1010.00	-24.18	14.09	0.10	-17.88	0.08	-4.05e-03
28	308	1060.00	-10.79	6.35	-0.16	-6.27	6.43e-03	0.01
28	309	700.00	-34.46	3.61	-0.33	12.02	0.0	0.03
28	309	753.33	-34.29	3.85	-0.33	9.91	-0.18	0.03
28	309	806.67	-34.83	13.02	0.21	2.52	-0.06	-0.01
28	309	860.00	-32.34	13.11	0.09	-2.70	-0.02	-7.31e-03
28	309	910.00	-29.85	13.13	0.05	-7.44	5.65e-03	-4.81e-03
28	309	960.00	-27.40	13.11	0.05	-12.18	0.03	-3.62e-03
28	309	1010.00	-24.27	14.09	0.10	-17.75	0.08	-4.06e-03
28	309	1060.00	-10.82	6.36	-0.16	-6.23	6.46e-03	0.01
28	310	700.00	-39.04	4.71	-0.65	26.08	0.0	0.07
28	310	753.33	-38.90	5.10	-0.65	23.41	-0.35	0.07
28	310	806.67	-39.46	19.27	0.41	13.00	-0.13	-0.03
28	310	860.00	-36.31	19.41	0.16	5.25	-0.04	-0.01
28	310	910.00	-33.19	19.45	0.07	-1.86	-4.11e-03	-8.92e-03
28	310	960.00	-30.13	19.42	0.06	-9.00	0.03	-7.20e-03
28	310	1010.00	-26.32	20.21	0.11	-16.90	0.08	-7.35e-03
28	310	1060.00	-12.30	10.67	-0.16	-6.88	6.68e-03	0.01

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-88.16	-19.59	-2.18	-47.37	-1.55	-0.12
	13.31	50.89	1.96	52.01	1.70	0.23

Macro	Tipo	Angolo 1-Z (gradi)
29	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
29	44	0.0	-314.11	-41.86	-0.01	-0.99	0.0	0.01
29	44	50.00	-314.11	-41.86	-0.01	-21.92	-5.38e-03	0.02
29	44	100.00	-310.26	-40.81	-0.02	-44.62	-0.02	0.02
29	44	150.00	-306.29	-39.25	-0.03	-61.78	-0.03	0.01
29	44	200.00	-302.19	-37.45	-0.03	-75.43	-0.05	9.90e-03
29	44	250.00	-298.08	-35.67	-0.02	-86.56	-0.06	2.75e-03
29	44	295.00	-294.62	-34.16	0.06	-94.11	-0.03	-7.42e-03
29	44	340.00	-270.87	-27.35	0.08	-48.36	1.27e-04	-8.81e-03
29	69	0.0	-127.71	-2.89	-0.05	-70.93	0.0	1.65e-03
29	69	50.00	-127.71	-2.89	-0.05	-72.38	-0.02	2.55e-03
29	69	100.00	-127.12	-2.91	-0.01	-74.33	-0.03	5.50e-05
29	69	150.00	-126.12	-2.92	0.02	-74.41	-0.02	-1.81e-03
29	69	200.00	-124.85	-2.92	0.03	-73.19	-6.00e-03	-3.12e-03
29	69	250.00	-123.38	-2.92	0.03	-71.04	0.01	-3.11e-03
29	69	295.00	-121.94	-2.91	0.02	-68.64	0.02	-1.73e-03

29	69	340.00	-111.15	-1.18	-0.04	-40.48	-7.83e-05	3.71e-03
29	76	0.0	-352.17	-6.49	-0.02	-79.39	0.0	0.01
29	76	50.00	-352.17	-6.49	-0.02	-82.64	-9.05e-03	0.02
29	76	100.00	-349.74	-6.50	-0.03	-101.33	-0.03	0.02
29	76	150.00	-346.70	-6.51	-0.04	-114.70	-0.05	0.01
29	76	200.00	-343.20	-6.51	-0.05	-124.62	-0.07	8.43e-03
29	76	250.00	-339.43	-6.51	-0.04	-132.07	-0.09	-1.17e-03
29	76	295.00	-336.13	-6.51	0.05	-137.09	-0.07	-0.01
29	76	340.00	-310.32	-3.20	0.16	-76.12	1.53e-04	-0.02
29	123	0.0	-185.81	-272.02	0.23	394.04	0.07	6.77e-03
29	123	50.00	-185.81	-272.02	0.23	392.23	0.06	0.01
29	123	100.00	-184.29	-271.81	0.20	338.19	0.17	0.01
29	123	150.00	-181.77	-271.63	0.17	288.17	0.24	0.01
29	123	200.00	-178.47	-271.31	0.08	240.28	0.30	0.02
29	123	250.00	-174.52	-270.88	0.02	193.04	0.34	0.02
29	123	295.00	-171.27	-269.82	0.14	151.03	0.39	0.02
29	123	340.00	-152.36	-239.12	-0.91	139.55	0.22	0.07
29	134	0.0	-303.35	112.95	-0.53	323.39	-0.14	-0.03
29	134	50.00	-303.35	112.95	-0.53	321.58	-0.15	-0.02
29	134	100.00	-293.66	113.28	-0.64	294.25	-0.45	-0.02
29	134	150.00	-283.93	113.79	-0.68	269.82	-0.70	6.21e-04
29	134	200.00	-274.24	114.18	-0.45	247.24	-0.99	-0.03
29	134	250.00	-265.09	114.49	-0.16	227.49	-1.17	-0.05
29	134	295.00	-257.81	114.90	0.48	213.51	-1.10	-0.10
29	134	340.00	-239.52	102.75	2.22	227.17	-0.48	-0.17
29	141	0.0	-74.71	44.23	0.35	-811.71	0.11	-2.18e-03
29	141	50.00	-74.71	44.23	0.35	-813.51	0.10	-3.72e-04
29	141	100.00	-83.04	43.47	0.51	-771.09	0.32	-0.02
29	141	150.00	-91.00	42.49	0.62	-725.82	0.52	-0.03
29	141	200.00	-98.64	41.60	0.49	-678.34	0.80	-0.03
29	141	250.00	-105.56	40.70	0.22	-630.76	0.99	-0.01
29	141	295.00	-110.32	57.58	-0.53	-590.56	0.94	0.03
29	141	340.00	-102.30	74.41	-1.82	-498.82	0.42	0.08
29	144	0.0	-329.39	-51.44	-0.38	722.18	-0.11	0.02
29	144	50.00	-329.39	-51.44	-0.38	720.38	-0.12	0.02
29	144	100.00	-317.24	-50.70	-0.54	658.04	-0.36	0.03
29	144	150.00	-304.75	-49.72	-0.66	598.97	-0.58	0.04
29	144	200.00	-292.05	-48.83	-0.53	541.69	-0.87	0.04
29	144	250.00	-279.75	-47.93	-0.24	487.14	-1.08	7.92e-03
29	144	295.00	-270.13	-64.80	0.59	442.53	-1.01	-0.05
29	144	340.00	-247.79	-77.81	1.96	419.47	-0.42	-0.10
29	155	0.0	-183.51	-305.31	0.27	447.04	0.07	6.81e-03
29	155	50.00	-183.51	-305.31	0.27	445.24	0.07	0.01
29	155	100.00	-182.07	-305.08	0.22	385.81	0.19	0.01
29	155	150.00	-179.54	-304.88	0.20	330.52	0.27	0.01
29	155	200.00	-176.17	-304.53	0.09	277.38	0.34	0.02
29	155	250.00	-172.08	-304.05	0.02	224.79	0.39	0.03
29	155	295.00	-168.74	-302.86	0.16	177.90	0.45	0.03
29	155	340.00	-149.38	-268.59	-1.03	160.84	0.25	0.08
29	166	0.0	-316.91	127.39	-0.59	374.10	-0.16	-0.03
29	166	50.00	-316.91	127.39	-0.59	372.30	-0.17	-0.03
29	166	100.00	-306.17	127.76	-0.72	342.53	-0.50	-0.02
29	166	150.00	-295.44	128.35	-0.76	315.63	-0.79	-2.44e-04
29	166	200.00	-284.78	128.80	-0.51	290.55	-1.10	-0.03
29	166	250.00	-274.75	129.15	-0.18	268.48	-1.31	-0.06
29	166	295.00	-266.81	129.63	0.54	252.78	-1.24	-0.12
29	166	340.00	-248.08	115.73	2.49	263.50	-0.54	-0.19
29	173	0.0	-57.97	50.20	0.39	-911.50	0.12	-3.25e-03
29	173	50.00	-57.97	50.20	0.39	-913.30	0.12	-1.80e-03
29	173	100.00	-67.65	49.33	0.57	-864.11	0.37	-0.02
29	173	150.00	-76.95	48.22	0.70	-812.08	0.59	-0.04
29	173	200.00	-85.93	47.20	0.55	-757.80	0.90	-0.04
29	173	250.00	-94.11	46.18	0.25	-703.59	1.13	-0.01
29	173	295.00	-99.82	65.16	-0.60	-657.89	1.07	0.04
29	173	340.00	-92.73	83.89	-2.06	-558.68	0.48	0.09
29	176	0.0	-346.12	-57.40	-0.42	821.98	-0.12	0.02
29	176	50.00	-346.12	-57.40	-0.42	820.17	-0.13	0.03
29	176	100.00	-332.63	-56.55	-0.61	751.06	-0.40	0.04
29	176	150.00	-318.80	-55.45	-0.74	685.23	-0.65	0.05
29	176	200.00	-304.76	-54.43	-0.60	621.16	-0.98	0.04
29	176	250.00	-291.20	-53.41	-0.27	559.97	-1.21	9.03e-03
29	176	295.00	-280.64	-72.38	0.66	509.86	-1.13	-0.05
29	176	340.00	-257.36	-87.29	2.21	479.33	-0.48	-0.11
29	187	0.0	-181.85	-300.32	0.26	429.06	0.07	7.52e-03
29	187	50.00	-181.85	-300.32	0.26	427.26	0.07	0.01

29	187	100.00	-180.57	-300.11	0.22	369.23	0.19	0.01
29	187	150.00	-178.20	-299.93	0.20	315.32	0.27	0.01
29	187	200.00	-175.00	-299.61	0.10	263.53	0.34	0.02
29	187	250.00	-171.08	-299.16	0.03	212.27	0.39	0.03
29	187	295.00	-167.87	-298.04	0.15	166.47	0.45	0.03
29	187	340.00	-148.62	-264.31	-1.04	150.89	0.25	0.08
29	198	0.0	-321.80	125.14	-0.57	401.82	-0.16	-0.04
29	198	50.00	-321.80	125.14	-0.57	400.02	-0.17	-0.03
29	198	100.00	-310.64	125.57	-0.71	368.62	-0.50	-0.02
29	198	150.00	-299.50	126.22	-0.77	340.00	-0.78	-7.65e-04
29	198	200.00	-288.44	126.73	-0.53	313.14	-1.11	-0.04
29	198	250.00	-278.02	127.15	-0.20	289.30	-1.32	-0.06
29	198	295.00	-269.77	127.75	0.54	272.12	-1.25	-0.12
29	198	340.00	-250.79	114.07	2.53	280.72	-0.55	-0.19
29	205	0.0	-54.18	49.40	0.38	-927.72	0.12	-2.29e-03
29	205	50.00	-54.18	49.40	0.38	-929.53	0.11	-9.33e-04
29	205	100.00	-64.16	48.48	0.57	-879.51	0.36	-0.02
29	205	150.00	-73.76	47.30	0.71	-826.56	0.59	-0.03
29	205	200.00	-83.03	46.22	0.57	-771.31	0.90	-0.04
29	205	250.00	-91.48	45.14	0.27	-716.11	1.13	-0.01
29	205	295.00	-97.41	63.91	-0.60	-669.57	1.08	0.04
29	205	340.00	-90.52	82.73	-2.09	-569.19	0.48	0.10
29	208	0.0	-349.92	-56.61	-0.41	838.20	-0.12	0.02
29	208	50.00	-349.92	-56.61	-0.41	836.40	-0.13	0.02
29	208	100.00	-336.12	-55.71	-0.60	766.46	-0.40	0.04
29	208	150.00	-321.99	-54.53	-0.75	699.72	-0.64	0.05
29	208	200.00	-307.66	-53.45	-0.62	634.67	-0.98	0.04
29	208	250.00	-293.82	-52.37	-0.29	572.49	-1.22	8.74e-03
29	208	295.00	-283.04	-71.13	0.65	521.54	-1.14	-0.05
29	208	340.00	-259.57	-86.13	2.23	489.83	-0.48	-0.11
29	219	0.0	-176.96	-348.44	0.31	497.64	0.09	8.20e-03
29	219	50.00	-176.96	-348.44	0.31	495.84	0.08	0.01
29	219	100.00	-175.92	-348.20	0.27	430.50	0.23	0.02
29	219	150.00	-173.67	-348.02	0.25	369.45	0.32	0.01
29	219	200.00	-170.49	-347.66	0.13	310.56	0.42	0.02
29	219	250.00	-166.49	-347.16	0.04	252.03	0.48	0.03
29	219	295.00	-163.23	-345.88	0.17	199.55	0.54	0.04
29	219	340.00	-143.41	-306.99	-1.24	176.48	0.29	0.10
29	230	0.0	-346.77	146.05	-0.68	502.68	-0.19	-0.05
29	230	50.00	-346.77	146.05	-0.68	500.88	-0.20	-0.04
29	230	100.00	-333.64	146.59	-0.85	464.36	-0.59	-0.03
29	230	150.00	-320.61	147.41	-0.92	430.53	-0.92	-2.43e-03
29	230	200.00	-307.73	148.07	-0.64	398.37	-1.31	-0.04
29	230	250.00	-295.65	148.61	-0.25	369.53	-1.57	-0.07
29	230	295.00	-286.16	149.40	0.64	348.54	-1.50	-0.14
29	230	340.00	-266.29	133.17	3.01	350.92	-0.65	-0.23
29	237	0.0	-26.15	57.98	0.46	-1090.86	0.15	-3.75e-03
29	237	50.00	-26.15	57.98	0.46	-1092.66	0.14	-2.99e-03
29	237	100.00	-38.39	56.86	0.68	-1031.71	0.44	-0.02
29	237	150.00	-50.24	55.43	0.84	-967.82	0.70	-0.04
29	237	200.00	-61.73	54.13	0.69	-901.56	1.08	-0.04
29	237	250.00	-72.28	52.82	0.32	-835.61	1.36	-0.01
29	237	295.00	-79.79	74.75	-0.72	-780.15	1.29	0.05
29	237	340.00	-74.44	96.61	-2.50	-667.64	0.57	0.12
29	240	0.0	-377.94	-65.18	-0.49	1001.34	-0.15	0.02
29	240	50.00	-377.94	-65.18	-0.49	999.53	-0.15	0.03
29	240	100.00	-361.88	-64.09	-0.71	918.67	-0.47	0.04
29	240	150.00	-345.52	-62.66	-0.88	840.98	-0.76	0.06
29	240	200.00	-328.96	-61.36	-0.73	764.91	-1.15	0.05
29	240	250.00	-313.02	-60.05	-0.34	691.99	-1.44	0.01
29	240	295.00	-300.67	-81.97	0.77	632.12	-1.35	-0.06
29	240	340.00	-275.64	-100.01	2.64	588.28	-0.57	-0.14
29	264	0.0	-224.19	-28.08	-8.01e-03	-1.28	0.0	8.35e-03
29	264	50.00	-224.19	-28.08	-8.01e-03	-15.32	-4.00e-03	0.01
29	264	100.00	-221.29	-27.37	-0.02	-31.18	-0.01	0.01
29	264	150.00	-218.28	-26.33	-0.02	-43.12	-0.02	9.95e-03
29	264	200.00	-215.18	-25.14	-0.02	-52.56	-0.04	6.77e-03
29	264	250.00	-212.06	-23.95	-0.01	-60.22	-0.04	1.77e-03
29	264	295.00	-209.40	-22.94	0.04	-65.40	-0.02	-5.30e-03
29	264	340.00	-192.38	-18.31	0.06	-32.92	8.48e-05	-6.26e-03
29	273	0.0	-139.57	-2.81	-0.04	-55.96	0.0	2.77e-03
29	273	50.00	-139.57	-2.81	-0.04	-57.37	-0.02	4.43e-03
29	273	100.00	-138.44	-2.82	-0.01	-61.39	-0.02	2.18e-03
29	273	150.00	-136.96	-2.83	5.24e-03	-63.31	-0.02	3.92e-04
29	273	200.00	-135.23	-2.83	0.02	-63.81	-0.01	-1.24e-03

29	273	250.00	-133.33	-2.83	0.02	-63.30	-3.15e-03	-2.34e-03
29	273	295.00	-131.52	-2.82	0.02	-62.28	5.65e-03	-2.86e-03
29	273	340.00	-120.14	-1.22	-0.01	-34.89	-4.26e-05	3.71e-04
29	280	0.0	-249.56	-4.50	-0.01	-53.54	0.0	9.82e-03
29	280	50.00	-249.56	-4.50	-0.01	-55.79	-6.45e-03	0.02
29	280	100.00	-247.60	-4.50	-0.02	-68.99	-0.02	0.01
29	280	150.00	-245.23	-4.51	-0.03	-78.40	-0.03	0.01
29	280	200.00	-242.52	-4.51	-0.04	-85.36	-0.05	5.79e-03
29	280	250.00	-239.63	-4.51	-0.02	-90.56	-0.06	-8.37e-04
29	280	295.00	-237.08	-4.51	0.03	-94.06	-0.05	-9.74e-03
29	280	340.00	-218.69	-2.20	0.11	-51.43	1.02e-04	-0.01
29	298	0.0	-211.00	-3.83	-0.02	-48.90	0.0	7.67e-03
29	298	50.00	-211.00	-3.83	-0.02	-50.82	-8.42e-03	0.01
29	298	100.00	-209.16	-3.84	-0.02	-61.20	-0.02	9.76e-03
29	298	150.00	-206.94	-3.84	-0.02	-68.41	-0.03	7.31e-03
29	298	200.00	-204.43	-3.84	-0.02	-73.53	-0.04	3.88e-03
29	298	250.00	-201.75	-3.84	-0.01	-77.19	-0.05	-1.15e-03
29	298	295.00	-199.36	-3.84	0.03	-79.50	-0.03	-7.70e-03
29	298	340.00	-183.56	-1.80	0.08	-43.22	6.51e-05	-0.01
29	305	0.0	-202.87	-8.42	-0.01	-34.63	0.0	7.27e-03
29	305	50.00	-202.87	-8.42	-0.01	-38.84	-6.96e-03	0.01
29	305	100.00	-200.74	-8.29	-0.02	-49.79	-0.02	9.52e-03
29	305	150.00	-198.32	-8.08	-0.02	-57.57	-0.03	7.33e-03
29	305	200.00	-195.66	-7.84	-0.02	-63.29	-0.04	4.19e-03
29	305	250.00	-192.88	-7.60	-0.01	-67.54	-0.04	-5.01e-04
29	305	295.00	-190.41	-7.40	0.03	-70.30	-0.03	-6.72e-03
29	305	340.00	-175.12	-4.97	0.07	-37.11	6.29e-05	-8.59e-03
29	306	0.0	-146.57	-2.36	-0.02	-27.13	0.0	3.98e-03
29	306	50.00	-146.57	-2.36	-0.02	-28.30	-7.56e-03	6.50e-03
29	306	100.00	-144.50	-2.36	-0.01	-35.04	-0.01	4.86e-03
29	306	150.00	-142.20	-2.37	-9.28e-03	-39.47	-0.02	3.38e-03
29	306	200.00	-139.71	-2.37	-7.03e-03	-42.41	-0.02	1.48e-03
29	306	250.00	-137.09	-2.37	-1.05e-03	-44.29	-0.02	-1.04e-03
29	306	295.00	-134.68	-2.36	0.02	-45.35	-0.01	-4.09e-03
29	306	340.00	-123.20	-1.11	0.03	-21.72	8.00e-06	-4.19e-03
29	309	0.0	-148.32	-2.24	-0.01	-19.92	0.0	4.29e-03
29	309	50.00	-148.32	-2.24	-0.01	-21.04	-5.00e-03	7.01e-03
29	309	100.00	-146.02	-2.25	-0.01	-28.45	-0.01	5.53e-03
29	309	150.00	-143.51	-2.25	-0.01	-33.51	-0.02	4.13e-03
29	309	200.00	-140.83	-2.25	-0.01	-37.06	-0.02	2.16e-03
29	309	250.00	-138.03	-2.25	-6.31e-03	-39.54	-0.03	-7.14e-04
29	309	295.00	-135.47	-2.25	0.02	-41.11	-0.02	-4.40e-03
29	309	340.00	-123.96	-1.08	0.04	-18.42	2.06e-05	-5.33e-03
29	310	0.0	-202.05	-3.60	-0.02	-44.76	0.0	7.18e-03
29	310	50.00	-202.05	-3.60	-0.02	-46.56	-7.93e-03	0.01
29	310	100.00	-200.14	-3.61	-0.02	-56.52	-0.02	9.16e-03
29	310	150.00	-197.88	-3.62	-0.02	-63.42	-0.03	6.85e-03
29	310	200.00	-195.34	-3.62	-0.02	-68.32	-0.04	3.64e-03
29	310	250.00	-192.65	-3.61	-0.01	-71.81	-0.04	-1.08e-03
29	310	295.00	-190.23	-3.61	0.03	-74.01	-0.03	-7.23e-03
29	310	340.00	-175.04	-1.70	0.07	-39.68	5.88e-05	-9.38e-03

M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-377.94	-348.44	-2.50	-1092.66	-1.57	-0.23
			-26.15	149.40	3.01	1001.34	1.36	0.12

Macro	Tipo	Angolo 1-Z (gradi)
30	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
30	44	0.0	-929.24	0.22	-0.02	106.46	0.0	0.01
30	44	50.00	-929.24	0.22	-0.02	106.35	-8.36e-03	0.02
30	44	100.00	-924.42	0.23	-9.18e-03	129.82	-0.01	0.02
30	44	150.00	-920.96	0.24	-0.03	145.05	-0.03	0.01
30	44	200.00	-918.16	0.26	-0.10	155.51	-0.08	5.05e-03
30	44	250.00	-915.53	0.28	-0.08	162.54	-0.12	4.55e-03
30	44	295.00	-912.85	0.28	0.04	166.20	-0.10	9.39e-03
30	44	340.00	-879.49	0.27	0.22	82.00	-1.01e-03	7.16e-03
30	45	0.0	-357.18	1.78	0.09	97.21	0.0	0.01
30	45	50.00	-357.18	1.78	0.09	96.32	0.05	0.02
30	45	100.00	-354.55	1.78	0.06	104.50	0.08	0.01

30	45	150.00	-352.33	1.79	9.82e-03	109.12	0.08	9.57e-03
30	45	200.00	-350.30	1.79	-0.08	111.65	0.04	2.82e-03
30	45	250.00	-348.31	1.80	-0.09	112.65	-5.90e-03	2.48e-03
30	45	295.00	-346.38	1.79	-0.02	112.40	-0.02	7.27e-03
30	45	340.00	-331.74	1.78	0.03	73.45	-9.63e-04	5.65e-03
30	52	0.0	-1100.50	-29.55	-0.20	-22.89	0.0	2.91e-03
30	52	50.00	-1100.50	-29.55	-0.20	-8.11	-0.10	4.97e-03
30	52	100.00	-1092.28	-29.07	-0.13	29.08	-0.17	4.64e-03
30	52	150.00	-1085.94	-28.36	-0.07	57.15	-0.20	4.91e-03
30	52	200.00	-1080.56	-27.55	-0.03	79.91	-0.22	4.51e-03
30	52	250.00	-1075.52	-26.74	0.02	98.94	-0.21	4.08e-03
30	52	295.00	-1070.54	-26.09	0.12	112.90	-0.15	3.79e-03
30	52	340.00	-1031.12	-25.61	0.34	31.50	-6.05e-05	2.71e-03
30	68	0.0	-964.04	-46.86	-0.18	-62.55	0.0	2.46e-03
30	68	50.00	-964.04	-46.86	-0.18	-39.12	-0.09	4.26e-03
30	68	100.00	-955.12	-46.06	-0.11	-0.87	-0.15	4.03e-03
30	68	150.00	-947.96	-44.90	-0.06	29.47	-0.18	4.35e-03
30	68	200.00	-941.72	-43.57	-0.03	55.18	-0.19	4.13e-03
30	68	250.00	-935.87	-42.24	0.02	77.63	-0.18	3.80e-03
30	68	295.00	-930.19	-41.16	0.10	94.86	-0.14	3.45e-03
30	68	340.00	-894.68	-40.35	0.30	30.49	-4.05e-05	2.47e-03
30	113	0.0	-708.77	35.87	-0.54	-359.32	-0.10	-0.01
30	113	50.00	-708.77	35.87	-0.54	-358.51	-0.15	-8.03e-03
30	113	100.00	-697.97	31.15	-0.41	-314.56	-0.48	0.01
30	113	150.00	-688.86	32.24	0.20	-280.29	-0.56	0.07
30	113	200.00	-680.61	33.03	1.36	-251.93	-0.17	0.18
30	113	250.00	-672.87	33.60	1.30	-228.66	0.67	0.18
30	113	295.00	-666.11	28.93	-0.55	-209.51	0.83	0.11
30	113	340.00	-641.29	16.31	-1.28	-243.25	0.29	0.06
30	139	0.0	-747.65	-363.38	-0.25	-1165.89	-0.04	0.04
30	139	50.00	-747.65	-363.38	-0.25	-1165.07	-0.09	0.04
30	139	100.00	-731.98	-361.64	-0.17	-1036.51	-0.15	0.04
30	139	150.00	-716.90	-361.56	-0.19	-913.95	-0.21	0.04
30	139	200.00	-702.01	-361.27	-0.15	-795.67	-0.31	0.02
30	139	250.00	-687.43	-360.80	-0.08	-678.45	-0.43	0.02
30	139	295.00	-673.33	-358.68	0.28	-569.56	-0.37	0.03
30	139	340.00	-642.42	-354.06	0.64	-510.01	-0.10	0.04
30	141	0.0	-809.02	-332.82	-0.46	-1281.26	-0.09	-6.70e-05
30	141	50.00	-809.02	-332.82	-0.46	-1280.44	-0.14	2.64e-03
30	141	100.00	-789.23	-332.42	-0.33	-1145.85	-0.31	0.01
30	141	150.00	-770.09	-331.93	-0.06	-1018.16	-0.44	0.04
30	141	200.00	-751.14	-331.20	0.54	-895.49	-0.27	0.08
30	141	250.00	-732.74	-330.47	0.57	-773.67	1.21e-03	0.08
30	141	295.00	-715.11	-329.53	-0.05	-661.07	0.11	0.05
30	141	340.00	-680.86	-328.76	-0.15	-596.26	0.06	0.04
30	144	0.0	-391.09	329.56	0.25	1390.95	0.09	3.48e-03
30	144	50.00	-391.09	329.56	0.25	1391.77	0.03	3.10e-03
30	144	100.00	-401.40	329.17	0.20	1291.37	0.15	-7.56e-03
30	144	150.00	-412.83	328.70	-7.98e-03	1187.30	0.23	-0.03
30	144	200.00	-424.92	327.99	-0.57	1082.07	0.05	-0.08
30	144	250.00	-436.67	327.28	-0.55	973.43	-0.21	-0.08
30	144	295.00	-447.73	326.35	0.16	869.50	-0.27	-0.05
30	144	340.00	-436.42	325.57	0.50	700.03	-0.06	-0.04
30	145	0.0	-722.76	39.74	-0.60	-413.97	-0.12	-0.02
30	145	50.00	-722.76	39.74	-0.60	-413.15	-0.17	-9.04e-03
30	145	100.00	-711.17	34.43	-0.45	-365.65	-0.54	0.01
30	145	150.00	-701.38	35.65	0.23	-328.38	-0.62	0.07
30	145	200.00	-692.50	36.53	1.53	-297.36	-0.19	0.21
30	145	250.00	-684.19	37.17	1.46	-271.75	0.77	0.20
30	145	295.00	-676.95	31.92	-0.62	-250.51	0.94	0.12
30	145	340.00	-651.85	17.75	-1.45	-281.64	0.32	0.07
30	171	0.0	-767.19	-410.56	-0.27	-1326.33	-0.04	0.05
30	171	50.00	-767.19	-410.56	-0.27	-1325.51	-0.10	0.05
30	171	100.00	-750.07	-408.60	-0.18	-1182.31	-0.16	0.05
30	171	150.00	-733.52	-408.51	-0.20	-1045.23	-0.23	0.04
30	171	200.00	-717.12	-408.18	-0.16	-912.58	-0.34	0.03
30	171	250.00	-701.06	-407.64	-0.09	-780.85	-0.46	0.03
30	171	295.00	-685.54	-405.27	0.31	-658.26	-0.41	0.04
30	171	340.00	-653.56	-400.07	0.70	-584.05	-0.11	0.04
30	173	0.0	-836.22	-376.27	-0.50	-1456.28	-0.10	-2.32e-04
30	173	50.00	-836.22	-376.27	-0.50	-1455.47	-0.15	2.67e-03
30	173	100.00	-814.47	-375.82	-0.36	-1305.49	-0.34	0.01
30	173	150.00	-793.35	-375.27	-0.07	-1162.63	-0.48	0.04
30	173	200.00	-772.38	-374.44	0.61	-1025.03	-0.29	0.09
30	173	250.00	-752.03	-373.62	0.65	-888.11	0.01	0.09

30	173	295.00	-732.54	-372.57	-0.06	-761.33	0.14	0.06
30	173	340.00	-696.79	-371.69	-0.19	-681.17	0.07	0.05
30	176	0.0	-363.89	373.01	0.30	1565.98	0.10	3.65e-03
30	176	50.00	-363.89	373.01	0.30	1566.79	0.05	3.07e-03
30	176	100.00	-376.16	372.57	0.23	1451.01	0.18	-8.91e-03
30	176	150.00	-389.57	372.04	-3.91e-03	1331.77	0.28	-0.04
30	176	200.00	-403.67	371.23	-0.65	1211.61	0.07	-0.09
30	176	250.00	-417.39	370.44	-0.63	1087.87	-0.22	-0.09
30	176	295.00	-430.31	369.39	0.17	969.76	-0.29	-0.06
30	176	340.00	-420.49	368.50	0.54	784.94	-0.07	-0.04
30	193	0.0	-784.88	-251.14	-0.64	-1132.76	-0.13	0.07
30	193	50.00	-784.88	-251.14	-0.64	-1131.94	-0.18	0.08
30	193	100.00	-767.52	-252.50	-0.46	-1014.87	-0.49	0.10
30	193	150.00	-751.27	-251.91	-0.06	-906.10	-0.62	0.13
30	193	200.00	-735.47	-251.36	0.91	-803.00	-0.47	0.21
30	193	250.00	-720.35	-250.81	0.93	-701.86	0.10	0.20
30	193	295.00	-706.09	-251.96	-0.13	-609.03	0.26	0.15
30	193	340.00	-675.33	-255.65	-0.34	-563.98	0.09	0.11
30	203	0.0	-772.38	-419.19	-0.27	-1362.47	-0.04	0.05
30	203	50.00	-772.38	-419.19	-0.27	-1361.65	-0.10	0.05
30	203	100.00	-754.91	-417.25	-0.18	-1215.29	-0.16	0.05
30	203	150.00	-737.99	-417.14	-0.20	-1075.07	-0.23	0.04
30	203	200.00	-721.24	-416.79	-0.15	-939.32	-0.34	0.03
30	203	250.00	-704.83	-416.23	-0.08	-804.54	-0.45	0.03
30	203	295.00	-689.00	-413.86	0.30	-679.05	-0.40	0.04
30	203	340.00	-656.77	-408.70	0.68	-601.76	-0.11	0.04
30	205	0.0	-840.67	-385.61	-0.51	-1492.19	-0.10	-1.45e-04
30	205	50.00	-840.67	-385.61	-0.51	-1491.37	-0.15	2.77e-03
30	205	100.00	-818.64	-385.16	-0.37	-1338.28	-0.35	0.01
30	205	150.00	-797.22	-384.59	-0.07	-1192.34	-0.49	0.04
30	205	200.00	-775.95	-383.76	0.61	-1051.68	-0.31	0.09
30	205	250.00	-755.29	-382.93	0.65	-911.69	3.18e-04	0.09
30	205	295.00	-735.52	-381.86	-0.05	-781.96	0.13	0.06
30	205	340.00	-699.53	-380.96	-0.17	-698.63	0.06	0.05
30	208	0.0	-359.44	382.35	0.31	1601.88	0.10	3.56e-03
30	208	50.00	-359.44	382.35	0.31	1602.70	0.05	2.97e-03
30	208	100.00	-371.99	381.91	0.24	1483.81	0.18	-8.98e-03
30	208	150.00	-385.70	381.36	1.07e-03	1361.48	0.29	-0.04
30	208	200.00	-400.11	380.55	-0.65	1238.27	0.09	-0.09
30	208	250.00	-414.12	379.74	-0.63	1111.45	-0.21	-0.09
30	208	295.00	-427.33	378.68	0.16	990.39	-0.28	-0.06
30	208	340.00	-417.74	377.77	0.52	802.39	-0.06	-0.04
30	225	0.0	-822.08	-303.31	-0.75	-1375.00	-0.16	0.09
30	225	50.00	-822.08	-303.31	-0.75	-1374.18	-0.21	0.09
30	225	100.00	-802.21	-304.91	-0.54	-1236.79	-0.56	0.12
30	225	150.00	-783.47	-304.22	-0.06	-1108.23	-0.72	0.16
30	225	200.00	-765.16	-303.57	1.09	-985.85	-0.54	0.25
30	225	250.00	-747.66	-302.91	1.10	-865.27	0.14	0.24
30	225	295.00	-731.15	-304.25	-0.16	-754.24	0.32	0.18
30	225	340.00	-698.75	-308.55	-0.42	-689.11	0.11	0.14
30	235	0.0	-805.49	-497.31	-0.31	-1630.95	-0.05	0.05
30	235	50.00	-805.49	-497.31	-0.31	-1630.14	-0.11	0.05
30	235	100.00	-785.60	-495.03	-0.21	-1459.32	-0.18	0.06
30	235	150.00	-766.19	-494.88	-0.23	-1294.83	-0.26	0.05
30	235	200.00	-746.89	-494.46	-0.17	-1135.07	-0.38	0.03
30	235	250.00	-727.98	-493.80	-0.08	-976.11	-0.51	0.03
30	235	295.00	-709.75	-491.00	0.34	-827.75	-0.45	0.04
30	235	340.00	-675.72	-484.95	0.76	-726.03	-0.12	0.05
30	237	0.0	-885.22	-458.19	-0.59	-1783.24	-0.12	-6.65e-05
30	237	50.00	-885.22	-458.19	-0.59	-1782.42	-0.17	3.15e-03
30	237	100.00	-860.01	-457.66	-0.43	-1603.77	-0.40	0.02
30	237	150.00	-835.35	-456.99	-0.08	-1432.59	-0.56	0.05
30	237	200.00	-810.79	-456.00	0.72	-1267.11	-0.35	0.11
30	237	250.00	-786.94	-455.01	0.76	-1102.03	0.01	0.11
30	237	295.00	-764.12	-453.75	-0.06	-948.71	0.16	0.07
30	237	340.00	-725.72	-452.68	-0.23	-839.87	0.07	0.05
30	240	0.0	-314.89	454.94	0.38	1892.93	0.12	3.48e-03
30	240	50.00	-314.89	454.94	0.38	1893.75	0.07	2.58e-03
30	240	100.00	-330.62	454.41	0.30	1749.29	0.23	-0.01
30	240	150.00	-347.56	453.76	8.97e-03	1601.73	0.36	-0.05
30	240	200.00	-365.26	452.79	-0.75	1453.70	0.13	-0.10
30	240	250.00	-382.47	451.83	-0.74	1301.80	-0.22	-0.10
30	240	295.00	-398.72	450.57	0.17	1157.15	-0.32	-0.07
30	240	340.00	-391.56	449.49	0.58	943.63	-0.07	-0.05
30	261	0.0	-397.47	0.77	0.04	96.32	0.0	8.04e-03

30	261	50.00	-397.47	0.77	0.04	95.94	0.02	0.01
30	261	100.00	-394.21	0.77	0.02	106.15	0.03	9.75e-03
30	261	150.00	-391.45	0.77	-1.85e-03	112.50	0.03	7.07e-03
30	261	200.00	-388.92	0.78	-0.06	116.61	2.60e-04	2.43e-03
30	261	250.00	-386.45	0.79	-0.06	119.10	-0.03	2.06e-03
30	261	295.00	-384.04	0.78	-3.08e-03	120.15	-0.03	5.12e-03
30	261	340.00	-367.80	0.77	0.07	79.39	-6.51e-04	3.97e-03
30	264	0.0	-650.51	0.07	-0.02	74.57	0.0	8.69e-03
30	264	50.00	-650.51	0.07	-0.02	74.54	-7.82e-03	0.01
30	264	100.00	-646.73	0.08	-8.69e-03	91.16	-0.01	0.01
30	264	150.00	-643.89	0.09	-0.02	101.98	-0.02	8.19e-03
30	264	200.00	-641.52	0.10	-0.07	109.42	-0.06	3.50e-03
30	264	250.00	-639.27	0.11	-0.05	114.46	-0.08	3.12e-03
30	264	295.00	-637.01	0.11	0.03	117.13	-0.07	6.28e-03
30	264	340.00	-613.24	0.11	0.15	58.10	-6.71e-04	4.79e-03
30	268	0.0	-764.68	-19.77	-0.14	-11.66	0.0	2.04e-03
30	268	50.00	-764.68	-19.77	-0.14	-1.77	-0.07	3.49e-03
30	268	100.00	-758.64	-19.45	-0.09	24.01	-0.11	3.25e-03
30	268	150.00	-753.88	-18.98	-0.05	43.38	-0.14	3.44e-03
30	268	200.00	-749.79	-18.44	-0.02	59.03	-0.15	3.14e-03
30	268	250.00	-745.93	-17.90	0.01	72.06	-0.14	2.80e-03
30	268	295.00	-742.14	-17.47	0.08	81.60	-0.11	2.55e-03
30	268	340.00	-714.33	-17.15	0.24	24.43	-4.12e-05	1.82e-03
30	276	0.0	-673.71	-31.31	-0.12	-38.10	0.0	1.75e-03
30	276	50.00	-673.71	-31.31	-0.12	-22.44	-0.06	3.02e-03
30	276	100.00	-667.19	-30.78	-0.08	4.04	-0.10	2.84e-03
30	276	150.00	-661.89	-30.01	-0.04	24.93	-0.12	3.06e-03
30	276	200.00	-657.23	-29.12	-0.02	42.54	-0.13	2.89e-03
30	276	250.00	-652.83	-28.23	0.01	57.86	-0.12	2.61e-03
30	276	295.00	-648.57	-27.52	0.07	69.57	-0.09	2.32e-03
30	276	340.00	-623.37	-26.98	0.21	23.76	-2.79e-05	1.67e-03
30	298	0.0	-632.08	-1.72	-0.11	51.45	0.0	1.79e-03
30	298	50.00	-632.08	-1.72	-0.11	52.31	-0.05	3.01e-03
30	298	100.00	-627.29	-1.72	-0.07	70.21	-0.09	2.74e-03
30	298	150.00	-623.43	-1.71	-0.04	82.58	-0.11	2.80e-03
30	298	200.00	-620.03	-1.70	-0.02	91.72	-0.12	2.38e-03
30	298	250.00	-616.74	-1.69	0.01	98.63	-0.11	1.97e-03
30	298	295.00	-613.48	-1.68	0.06	103.18	-0.08	1.64e-03
30	298	340.00	-589.76	-1.69	0.19	48.44	-3.94e-05	1.19e-03
30	304	0.0	-405.82	-0.69	-0.04	79.45	0.0	2.58e-03
30	304	50.00	-405.82	-0.69	-0.04	79.80	-0.02	4.12e-03
30	304	100.00	-401.62	-0.69	-0.03	91.68	-0.04	3.40e-03
30	304	150.00	-397.98	-0.69	-0.02	99.71	-0.04	2.87e-03
30	304	200.00	-394.59	-0.68	-0.02	105.49	-0.05	1.65e-03
30	304	250.00	-391.27	-0.67	-7.81e-03	109.70	-0.06	1.25e-03
30	304	295.00	-388.05	-0.67	0.03	112.40	-0.05	1.53e-03
30	304	340.00	-371.08	-0.68	0.10	73.90	-1.47e-04	1.18e-03
30	305	0.0	-597.97	-1.26	-0.08	59.06	0.0	3.07e-03
30	305	50.00	-597.97	-1.26	-0.08	59.70	-0.04	4.96e-03
30	305	100.00	-593.46	-1.26	-0.05	76.38	-0.07	4.19e-03
30	305	150.00	-589.83	-1.25	-0.03	87.77	-0.08	3.71e-03
30	305	200.00	-586.61	-1.24	-0.03	96.07	-0.10	2.44e-03
30	305	250.00	-583.50	-1.23	-3.51e-03	102.23	-0.10	2.04e-03
30	305	295.00	-580.42	-1.23	0.05	106.15	-0.08	2.40e-03
30	305	340.00	-557.82	-1.23	0.17	53.25	-1.63e-04	1.79e-03
30	307	0.0	-602.61	-7.54	-0.11	36.53	0.0	1.68e-03
30	307	50.00	-602.61	-7.54	-0.11	40.30	-0.05	2.84e-03
30	307	100.00	-597.55	-7.43	-0.07	58.95	-0.09	2.60e-03
30	307	150.00	-593.43	-7.27	-0.04	72.36	-0.10	2.69e-03
30	307	200.00	-589.75	-7.08	-0.02	82.70	-0.11	2.32e-03
30	307	250.00	-586.21	-6.90	0.01	90.91	-0.11	1.94e-03
30	307	295.00	-582.73	-6.75	0.06	96.64	-0.08	1.61e-03
30	307	340.00	-559.84	-6.65	0.18	46.39	-3.41e-05	1.16e-03
30	309	0.0	-407.91	-1.06	-0.07	75.24	0.0	1.21e-03
30	309	50.00	-407.91	-1.06	-0.07	75.77	-0.03	2.02e-03
30	309	100.00	-403.47	-1.06	-0.04	88.06	-0.05	1.81e-03
30	309	150.00	-399.61	-1.05	-0.02	96.51	-0.06	1.83e-03
30	309	200.00	-396.01	-1.04	-9.10e-03	102.70	-0.07	1.46e-03
30	309	250.00	-392.48	-1.04	5.28e-03	107.36	-0.06	1.05e-03
30	309	295.00	-389.06	-1.04	0.03	110.46	-0.05	6.29e-04
30	309	340.00	-371.90	-1.05	0.11	72.53	-2.15e-05	4.78e-04
30	310	0.0	-600.06	-1.63	-0.10	54.85	0.0	1.71e-03
30	310	50.00	-600.06	-1.63	-0.10	55.66	-0.05	2.87e-03
30	310	100.00	-595.31	-1.62	-0.06	72.76	-0.08	2.60e-03
30	310	150.00	-591.46	-1.62	-0.03	84.57	-0.10	2.66e-03

30	310	200.00	-588.03	-1.60	-0.02	93.29	-0.11	2.25e-03
30	310	250.00	-584.71	-1.59	9.58e-03	99.88	-0.10	1.83e-03
30	310	295.00	-581.42	-1.59	0.06	104.22	-0.08	1.50e-03
30	310	340.00	-558.64	-1.60	0.18	51.88	-3.69e-05	1.09e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-1100.50	-497.31	-1.45	-1783.24	-0.72	-0.10
	-314.89	454.94	1.53	1893.75	0.94	0.25

Macro	Tipo	Angolo 1-Z (gradi)
31	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
31	19	0.0	-52.87	1.91	2.33e-03	-5.02	0.0	1.13e-04
31	19	50.00	-52.87	1.91	2.33e-03	-4.07	1.16e-03	6.35e-05
31	19	100.00	-55.07	1.86	1.15e-03	-5.92	1.74e-03	-1.37e-04
31	19	150.00	-56.26	1.82	-3.82e-05	-6.83	1.72e-03	-3.55e-04
31	19	200.00	-56.92	1.79	-9.28e-04	-7.27	1.26e-03	-5.30e-04
31	19	250.00	-57.31	1.76	-1.64e-03	-7.46	4.41e-04	-6.41e-04
31	19	295.00	-57.55	1.72	-1.95e-03	-7.59	-4.37e-04	-6.53e-04
31	19	340.00	-44.18	1.64	1.02e-03	5.73	-7.82e-05	-2.57e-04
31	28	0.0	-170.46	-7.58	4.12e-03	12.28	0.0	1.64e-03
31	28	50.00	-170.46	-7.58	4.12e-03	8.49	2.06e-03	2.54e-03
31	28	100.00	-174.42	-7.62	1.55e-03	0.03	2.84e-03	1.88e-03
31	28	150.00	-175.69	-7.65	-1.33e-03	-5.90	2.17e-03	1.46e-03
31	28	200.00	-175.49	-7.68	-3.24e-03	-10.47	5.53e-04	1.24e-03
31	28	250.00	-174.53	-7.72	-4.09e-03	-14.35	-1.49e-03	1.23e-03
31	28	295.00	-173.25	-7.81	-3.28e-03	-17.53	-2.97e-03	1.42e-03
31	28	340.00	-131.00	-7.97	5.23e-03	19.59	-1.80e-04	1.52e-03
31	44	0.0	-157.77	-9.53	4.33e-03	17.93	0.0	2.00e-03
31	44	50.00	-157.77	-9.53	4.33e-03	13.16	2.17e-03	3.15e-03
31	44	100.00	-160.39	-9.54	1.89e-03	5.02	3.11e-03	2.41e-03
31	44	150.00	-160.68	-9.54	-8.16e-04	-0.94	2.71e-03	1.96e-03
31	44	200.00	-159.71	-9.55	-2.65e-03	-5.73	1.38e-03	1.68e-03
31	44	250.00	-158.07	-9.58	-3.66e-03	-9.90	-4.46e-04	1.59e-03
31	44	295.00	-156.17	-9.64	-3.40e-03	-13.32	-1.98e-03	1.67e-03
31	44	340.00	-118.30	-9.76	3.06e-03	18.66	-1.26e-04	1.54e-03
31	116	0.0	-236.18	-58.20	-0.05	144.57	-3.84e-03	-0.01
31	116	50.00	-236.18	-58.20	-0.05	143.55	-2.55e-03	-0.01
31	116	100.00	-227.73	-57.66	-0.03	121.41	-6.56e-03	-0.01
31	116	150.00	-217.15	-57.13	-0.02	102.02	-9.00e-03	-0.02
31	116	200.00	-205.47	-55.95	8.32e-03	84.33	-0.06	-0.02
31	116	250.00	-193.06	-55.56	5.10e-03	67.77	-0.06	-0.02
31	116	295.00	-180.71	-55.22	0.02	52.89	-0.04	-0.02
31	116	340.00	-150.70	-54.13	0.09	57.83	-9.35e-03	-0.01
31	118	0.0	76.19	53.05	-8.02e-03	-131.58	-0.01	0.02
31	118	50.00	76.19	53.05	-8.02e-03	-132.61	-0.01	0.02
31	118	100.00	63.12	52.45	-0.02	-119.56	-0.04	0.02
31	118	150.00	50.41	51.87	-0.02	-106.23	-0.06	0.02
31	118	200.00	37.82	51.02	-9.01e-03	-92.96	-0.02	7.80e-03
31	118	250.00	25.11	50.29	0.01	-80.01	-0.02	3.47e-03
31	118	295.00	12.77	49.30	0.04	-68.12	-0.02	1.05e-03
31	118	340.00	26.05	48.78	0.04	-33.46	-0.02	-4.57e-03
31	119	0.0	-255.70	-57.15	0.01	136.33	0.01	-0.02
31	119	50.00	-255.70	-57.15	0.01	135.31	0.01	-0.02
31	119	100.00	-247.65	-56.62	0.03	114.06	0.04	-0.02
31	119	150.00	-236.92	-56.10	0.02	95.32	0.06	-0.01
31	119	200.00	-224.71	-55.30	5.55e-03	78.15	0.03	-7.33e-03
31	119	250.00	-211.54	-54.64	-0.02	62.04	0.02	-3.08e-03
31	119	295.00	-198.36	-53.75	-0.04	47.59	0.02	-4.89e-04
31	119	340.00	-166.79	-53.42	-0.03	53.72	0.02	5.56e-03
31	129	0.0	-59.12	24.17	0.10	-64.13	0.02	-7.71e-03
31	129	50.00	-59.12	24.17	0.10	-65.16	0.02	-7.52e-03
31	129	100.00	-68.37	23.85	0.07	-60.03	0.06	-0.01
31	129	150.00	-74.83	23.55	0.06	-54.78	0.08	0.02
31	129	200.00	-79.59	20.87	-8.63e-03	-49.62	0.11	0.03
31	129	250.00	-83.43	20.62	-0.03	-44.59	0.10	0.03
31	129	295.00	-86.75	20.38	-0.08	-39.88	0.07	0.03
31	129	340.00	-65.55	17.56	-0.15	-11.93	0.03	0.03
31	148	0.0	-254.10	-65.12	-0.06	162.15	-4.30e-03	-0.01
31	148	50.00	-254.10	-65.12	-0.06	161.13	-3.01e-03	-0.01

31	148	100.00	-244.29	-64.51	-0.03	136.76	-7.55e-03	-0.01
31	148	150.00	-232.29	-63.91	-0.02	115.32	-0.01	-0.02
31	148	200.00	-219.15	-62.58	9.48e-03	95.69	-0.07	-0.02
31	148	250.00	-205.24	-62.13	5.96e-03	77.27	-0.07	-0.02
31	148	295.00	-191.42	-61.75	0.02	60.71	-0.04	-0.02
31	148	340.00	-160.48	-60.51	0.10	63.73	-0.01	-0.01
31	150	0.0	96.64	59.83	-9.38e-03	-148.05	-0.01	0.03
31	150	50.00	96.64	59.83	-9.38e-03	-149.08	-0.01	0.02
31	150	100.00	82.27	59.16	-0.03	-133.93	-0.04	0.02
31	150	150.00	68.11	58.52	-0.03	-118.62	-0.06	0.02
31	150	200.00	53.99	57.56	-9.86e-03	-103.48	-0.03	8.71e-03
31	150	250.00	39.68	56.75	0.02	-88.73	-0.03	3.87e-03
31	150	295.00	25.76	55.64	0.04	-75.22	-0.03	1.15e-03
31	150	340.00	37.90	55.06	0.04	-38.81	-0.02	-5.22e-03
31	151	0.0	-276.15	-63.93	0.01	152.81	0.01	-0.02
31	151	50.00	-276.15	-63.93	0.01	151.78	0.02	-0.02
31	151	100.00	-266.79	-63.34	0.03	128.42	0.04	-0.02
31	151	150.00	-254.62	-62.75	0.03	107.71	0.07	-0.02
31	151	200.00	-240.88	-61.84	6.40e-03	88.66	0.03	-8.25e-03
31	151	250.00	-226.11	-61.10	-0.02	70.77	0.02	-3.48e-03
31	151	295.00	-211.36	-60.09	-0.05	54.69	0.02	-5.87e-04
31	151	340.00	-178.64	-59.71	-0.04	59.06	0.02	6.21e-03
31	161	0.0	-55.50	27.46	0.11	-72.54	0.02	-8.68e-03
31	161	50.00	-55.50	27.46	0.11	-73.56	0.02	-8.52e-03
31	161	100.00	-65.60	27.10	0.08	-67.28	0.06	-0.01
31	161	150.00	-72.74	26.76	0.07	-61.03	0.09	0.03
31	161	200.00	-78.06	23.74	-9.44e-03	-54.98	0.12	0.03
31	161	250.00	-82.41	23.47	-0.03	-49.11	0.12	0.03
31	161	295.00	-86.18	23.20	-0.09	-43.64	0.08	0.04
31	161	340.00	-65.13	20.04	-0.17	-14.74	0.03	0.04
31	180	0.0	-250.95	-64.19	-0.06	160.15	-4.17e-03	-0.01
31	180	50.00	-250.95	-64.19	-0.06	159.12	-2.87e-03	-0.01
31	180	100.00	-241.30	-63.59	-0.03	135.05	-7.23e-03	-0.01
31	180	150.00	-229.49	-63.00	-0.02	113.86	-9.79e-03	-0.02
31	180	200.00	-216.55	-61.67	8.83e-03	94.47	-0.06	-0.02
31	180	250.00	-202.85	-61.23	5.51e-03	76.27	-0.07	-0.02
31	180	295.00	-189.25	-60.85	0.02	59.87	-0.04	-0.02
31	180	340.00	-158.38	-59.61	0.09	63.07	-0.01	-0.01
31	182	0.0	93.84	58.86	-9.43e-03	-145.62	-0.01	0.02
31	182	50.00	93.84	58.86	-9.43e-03	-146.64	-0.01	0.02
31	182	100.00	79.64	58.20	-0.03	-131.81	-0.04	0.02
31	182	150.00	65.66	57.56	-0.03	-116.78	-0.06	0.02
31	182	200.00	51.73	56.61	-9.49e-03	-101.90	-0.03	8.48e-03
31	182	250.00	37.62	55.81	0.01	-87.40	-0.03	3.78e-03
31	182	295.00	23.90	54.70	0.04	-74.07	-0.03	1.16e-03
31	182	340.00	36.06	54.12	0.04	-37.89	-0.02	-5.27e-03
31	183	0.0	-273.36	-62.96	0.01	150.37	0.01	-0.02
31	183	50.00	-273.36	-62.96	0.01	149.35	0.02	-0.02
31	183	100.00	-264.16	-62.37	0.03	126.30	0.04	-0.02
31	183	150.00	-252.17	-61.79	0.02	105.88	0.06	-0.02
31	183	200.00	-238.63	-60.89	6.03e-03	87.09	0.03	-8.01e-03
31	183	250.00	-224.05	-60.15	-0.02	69.43	0.02	-3.39e-03
31	183	295.00	-209.50	-59.15	-0.05	53.54	0.02	-6.02e-04
31	183	340.00	-176.80	-58.77	-0.04	58.15	0.02	6.26e-03
31	193	0.0	-56.91	27.32	0.11	-72.71	0.02	-8.19e-03
31	193	50.00	-56.91	27.32	0.11	-73.74	0.02	-8.11e-03
31	193	100.00	-67.02	26.95	0.08	-67.47	0.06	-0.01
31	193	150.00	-74.13	26.62	0.07	-61.25	0.09	0.03
31	193	200.00	-79.39	23.58	-9.05e-03	-55.20	0.12	0.03
31	193	250.00	-83.66	23.31	-0.03	-49.34	0.11	0.03
31	193	295.00	-87.35	23.04	-0.09	-43.86	0.08	0.04
31	193	340.00	-66.20	19.86	-0.17	-14.90	0.03	0.04
31	212	0.0	-277.40	-74.62	-0.07	186.82	-5.03e-03	-0.02
31	212	50.00	-277.40	-74.62	-0.07	185.79	-3.74e-03	-0.01
31	212	100.00	-265.69	-73.91	-0.04	158.36	-9.18e-03	-0.01
31	212	150.00	-251.73	-73.21	-0.03	134.07	-0.01	-0.02
31	212	200.00	-236.60	-71.64	0.01	111.75	-0.08	-0.02
31	212	250.00	-220.67	-71.12	7.00e-03	90.75	-0.08	-0.02
31	212	295.00	-204.88	-70.67	0.03	71.79	-0.05	-0.02
31	212	340.00	-172.62	-69.19	0.11	72.09	-0.01	-0.02
31	214	0.0	124.46	69.03	-0.01	-170.26	-0.02	0.03
31	214	50.00	124.46	69.03	-0.01	-171.28	-0.01	0.03
31	214	100.00	108.29	68.25	-0.03	-153.29	-0.05	0.03
31	214	150.00	92.14	67.52	-0.03	-135.31	-0.07	0.02
31	214	200.00	75.91	66.41	-0.01	-117.63	-0.03	9.88e-03

31	214	250.00	59.40	65.47	0.02	-100.44	-0.03	4.42e-03
31	214	295.00	43.32	64.18	0.05	-84.67	-0.03	1.36e-03
31	214	340.00	53.72	63.52	0.05	-45.87	-0.02	-6.32e-03
31	215	0.0	-303.98	-73.12	0.02	175.01	0.02	-0.03
31	215	50.00	-303.98	-73.12	0.02	173.99	0.02	-0.03
31	215	100.00	-292.81	-72.43	0.03	147.79	0.05	-0.02
31	215	150.00	-278.65	-71.75	0.03	124.41	0.07	-0.02
31	215	200.00	-262.80	-70.69	7.13e-03	102.81	0.04	-9.41e-03
31	215	250.00	-245.83	-69.82	-0.02	82.47	0.03	-4.03e-03
31	215	295.00	-228.91	-68.63	-0.06	64.14	0.03	-8.04e-04
31	215	340.00	-194.46	-68.17	-0.05	66.13	0.02	7.32e-03
31	225	0.0	-52.10	32.45	0.13	-86.23	0.03	-9.82e-03
31	225	50.00	-52.10	32.45	0.13	-87.25	0.03	-9.80e-03
31	225	100.00	-63.58	32.03	0.10	-79.16	0.07	-0.01
31	225	150.00	-71.75	31.64	0.08	-71.35	0.10	0.03
31	225	200.00	-77.86	28.05	-0.01	-63.90	0.14	0.04
31	225	250.00	-82.88	27.74	-0.04	-56.72	0.13	0.04
31	225	295.00	-87.24	27.43	-0.11	-50.04	0.10	0.05
31	225	340.00	-66.23	23.69	-0.20	-19.51	0.04	0.05
31	248	0.0	-59.96	0.75	2.62e-03	-2.57	0.0	3.23e-04
31	248	50.00	-59.96	0.75	2.62e-03	-2.19	1.31e-03	4.05e-04
31	248	100.00	-62.06	0.70	1.29e-03	-4.52	1.95e-03	1.40e-04
31	248	150.00	-63.09	0.67	-3.84e-05	-5.86	1.93e-03	-1.08e-04
31	248	200.00	-63.55	0.64	-1.01e-03	-6.68	1.43e-03	-3.04e-04
31	248	250.00	-63.72	0.62	-1.78e-03	-7.23	5.40e-04	-4.29e-04
31	248	295.00	-63.73	0.58	-2.13e-03	-7.66	-4.17e-04	-4.51e-04
31	248	340.00	-48.80	0.50	8.75e-04	6.66	-7.57e-05	-1.21e-04
31	256	0.0	-119.22	-5.15	2.95e-03	8.44	0.0	1.14e-03
31	256	50.00	-119.22	-5.15	2.95e-03	5.87	1.48e-03	1.77e-03
31	256	100.00	-121.95	-5.18	1.15e-03	1.28e-03	2.05e-03	1.30e-03
31	256	150.00	-122.80	-5.20	-8.71e-04	-4.10	1.62e-03	1.01e-03
31	256	200.00	-122.64	-5.22	-2.22e-03	-7.26	5.05e-04	8.37e-04
31	256	250.00	-121.93	-5.25	-2.87e-03	-9.93	-9.29e-04	8.22e-04
31	256	295.00	-121.01	-5.31	-2.37e-03	-12.12	-1.99e-03	9.43e-04
31	256	340.00	-91.59	-5.42	3.51e-03	13.73	-1.25e-04	1.02e-03
31	264	0.0	-110.76	-6.45	3.09e-03	12.21	0.0	1.38e-03
31	264	50.00	-110.76	-6.45	3.09e-03	8.99	1.55e-03	2.18e-03
31	264	100.00	-112.60	-6.46	1.38e-03	3.33	2.24e-03	1.66e-03
31	264	150.00	-112.80	-6.46	-5.27e-04	-0.80	1.97e-03	1.34e-03
31	264	200.00	-112.12	-6.47	-1.83e-03	-4.10	1.06e-03	1.14e-03
31	264	250.00	-110.96	-6.49	-2.57e-03	-6.96	-2.31e-04	1.06e-03
31	264	295.00	-109.63	-6.53	-2.45e-03	-9.32	-1.33e-03	1.11e-03
31	264	340.00	-83.12	-6.61	2.06e-03	13.11	-8.89e-05	1.03e-03
31	298	0.0	-93.90	-2.17	2.57e-03	2.40	0.0	6.69e-04
31	298	50.00	-93.90	-2.17	2.57e-03	1.32	1.28e-03	9.90e-04
31	298	100.00	-96.56	-2.21	9.92e-04	-3.00	1.78e-03	6.48e-04
31	298	150.00	-97.63	-2.24	-7.08e-04	-5.83	1.43e-03	3.98e-04
31	298	200.00	-97.86	-2.27	-1.85e-03	-7.89	5.00e-04	2.51e-04
31	298	250.00	-97.65	-2.30	-2.43e-03	-9.54	-7.15e-04	2.30e-04
31	298	295.00	-97.24	-2.36	-2.03e-03	-10.89	-1.63e-03	3.33e-04
31	298	340.00	-73.67	-2.46	3.05e-03	10.56	-1.15e-04	5.57e-04
31	302	0.0	-63.93	-0.91	2.70e-03	1.27	0.0	5.77e-04
31	302	50.00	-63.93	-0.91	2.70e-03	0.82	1.35e-03	8.32e-04
31	302	100.00	-65.60	-0.94	1.35e-03	-1.93	2.03e-03	5.11e-04
31	302	150.00	-66.21	-0.96	-1.19e-06	-3.70	2.02e-03	2.50e-04
31	302	200.00	-66.27	-0.98	-9.93e-04	-4.95	1.53e-03	4.47e-05
31	302	250.00	-66.04	-1.00	-1.77e-03	-5.94	6.44e-04	-8.88e-05
31	302	295.00	-65.67	-1.04	-2.16e-03	-6.73	-3.25e-04	-1.26e-04
31	302	340.00	-50.23	-1.10	5.38e-04	7.35	-6.34e-05	7.68e-05
31	305	0.0	-91.74	-2.88	2.63e-03	4.30	0.0	7.92e-04
31	305	50.00	-91.74	-2.88	2.63e-03	2.86	1.31e-03	1.20e-03
31	305	100.00	-94.03	-2.91	1.08e-03	-1.46	1.85e-03	8.28e-04
31	305	150.00	-94.82	-2.93	-5.87e-04	-4.37	1.56e-03	5.69e-04
31	305	200.00	-94.81	-2.96	-1.72e-03	-6.55	7.00e-04	4.09e-04
31	305	250.00	-94.38	-2.98	-2.33e-03	-8.34	-4.64e-04	3.67e-04
31	305	295.00	-93.77	-3.03	-2.07e-03	-9.80	-1.39e-03	4.42e-04
31	305	340.00	-71.08	-3.12	2.51e-03	10.47	-1.01e-04	5.95e-04
31	309	0.0	-64.92	-1.33	2.72e-03	2.23	0.0	6.40e-04
31	309	50.00	-64.92	-1.33	2.72e-03	1.57	1.36e-03	9.39e-04
31	309	100.00	-66.48	-1.35	1.37e-03	-1.28	2.04e-03	6.04e-04
31	309	150.00	-67.00	-1.37	8.10e-06	-3.16	2.05e-03	3.40e-04
31	309	200.00	-66.96	-1.39	-9.88e-04	-4.52	1.55e-03	1.32e-04
31	309	250.00	-66.62	-1.41	-1.77e-03	-5.62	6.71e-04	-3.74e-06
31	309	295.00	-66.15	-1.44	-2.16e-03	-6.50	-3.03e-04	-4.45e-05
31	309	340.00	-50.59	-1.50	4.53e-04	7.52	-6.03e-05	1.26e-04

31	310	0.0	-89.76	-2.05	2.59e-03	2.38	0.0	6.65e-04
31	310	50.00	-89.76	-2.05	2.59e-03	1.35	1.30e-03	9.83e-04
31	310	100.00	-92.26	-2.09	1.05e-03	-2.75	1.82e-03	6.42e-04
31	310	150.00	-93.26	-2.12	-6.06e-04	-5.45	1.52e-03	3.90e-04
31	310	200.00	-93.45	-2.14	-1.73e-03	-7.41	6.50e-04	2.34e-04
31	310	250.00	-93.21	-2.17	-2.33e-03	-8.98	-5.17e-04	1.96e-04
31	310	295.00	-92.80	-2.22	-2.05e-03	-10.26	-1.44e-03	2.79e-04
31	310	340.00	-70.37	-2.32	2.68e-03	10.13	-1.07e-04	4.96e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-303.98	-74.62	-0.20	-171.28	-0.08	-0.03
	124.46	69.03	0.13	186.82	0.14	0.05

Macro	Tipo	Angolo 1-Z (gradi)
32	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
32	28	0.0	-341.23	6.72	0.06	-136.73	0.0	8.09e-03
32	28	50.00	-341.23	6.72	0.06	-140.09	0.03	0.01
32	28	100.00	-341.66	6.72	0.04	-138.87	0.05	6.76e-03
32	28	150.00	-341.21	6.73	5.87e-03	-139.32	0.05	2.02e-03
32	28	200.00	-340.04	6.75	-0.06	-141.16	0.02	-4.51e-03
32	28	250.00	-338.27	6.77	-0.06	-144.15	-8.76e-03	-4.78e-03
32	28	295.00	-336.20	6.76	3.10e-03	-147.55	-7.37e-03	9.44e-04
32	28	340.00	-331.31	6.78	0.02	-156.51	0.0	7.87e-03
32	68	0.0	-299.34	-10.40	-2.64e-03	-167.13	0.0	6.55e-04
32	68	50.00	-299.34	-10.40	-2.64e-03	-161.93	-1.32e-03	1.03e-03
32	68	100.00	-297.73	-10.25	-4.68e-03	-156.10	-3.66e-03	8.25e-04
32	68	150.00	-295.70	-10.10	-8.68e-03	-151.15	-8.00e-03	7.11e-04
32	68	200.00	-293.38	-9.98	-0.01	-146.81	-0.01	1.00e-03
32	68	250.00	-290.77	-9.85	-0.01	-143.08	-0.02	1.85e-03
32	68	295.00	-287.90	-9.70	-0.02	-140.59	-0.03	5.81e-03
32	68	340.00	-283.10	-9.32	0.06	-142.14	0.0	0.03
32	69	0.0	-136.87	-13.13	-9.84e-03	-92.86	0.0	-5.76e-04
32	69	50.00	-136.87	-13.13	-9.84e-03	-86.29	-4.92e-03	-7.04e-04
32	69	100.00	-134.65	-12.98	-6.69e-03	-81.12	-8.27e-03	-1.54e-04
32	69	150.00	-132.33	-12.84	-7.93e-03	-76.23	-0.01	1.45e-04
32	69	200.00	-129.92	-12.73	-8.82e-03	-71.54	-0.02	6.69e-04
32	69	250.00	-127.43	-12.61	-8.52e-03	-67.09	-0.02	1.77e-03
32	69	295.00	-124.94	-12.46	-0.01	-63.47	-0.03	6.10e-03
32	69	340.00	-121.77	-12.08	0.06	-61.46	0.0	0.03
32	113	0.0	-16.63	41.66	-0.15	-162.21	-0.03	-0.08
32	113	50.00	-16.63	41.66	-0.15	-163.71	-0.03	-0.08
32	113	100.00	-27.70	41.72	-0.54	-161.19	-0.22	-0.06
32	113	150.00	-39.20	41.77	-0.16	-157.65	-0.46	0.02
32	113	200.00	-53.98	41.80	1.67	-147.55	-0.08	0.18
32	113	250.00	-69.50	41.79	1.42	-135.60	0.72	0.18
32	113	295.00	-78.23	41.72	-1.26	-124.33	0.85	0.08
32	113	340.00	-75.90	41.59	-1.32	-110.87	0.29	-0.03
32	116	0.0	-376.31	-35.66	0.16	-1.17	0.03	0.09
32	116	50.00	-376.31	-35.66	0.16	-2.67	0.04	0.08
32	116	100.00	-365.00	-35.72	0.55	-2.86	0.23	0.06
32	116	150.00	-352.39	-35.75	0.15	-5.73	0.46	-0.02
32	116	200.00	-335.95	-35.76	-1.68	-16.23	0.08	-0.18
32	116	250.00	-318.29	-35.73	-1.42	-29.49	-0.72	-0.18
32	116	295.00	-306.98	-35.67	1.25	-42.87	-0.85	-0.08
32	116	340.00	-303.11	-35.52	1.33	-65.65	-0.29	0.04
32	138	0.0	-201.75	132.70	0.11	253.74	0.03	-0.02
32	138	50.00	-201.75	132.70	0.11	252.24	0.03	-0.02
32	138	100.00	-212.41	132.58	0.02	208.52	0.04	-0.02
32	138	150.00	-222.77	132.46	0.04	164.79	0.04	-0.01
32	138	200.00	-233.57	132.32	0.18	122.23	0.10	2.80e-03
32	138	250.00	-243.51	132.13	0.11	80.56	0.24	3.85e-03
32	138	295.00	-252.65	131.88	-0.06	38.63	0.25	-7.66e-03
32	138	340.00	-256.28	131.56	-0.47	-0.45	0.11	-0.03
32	145	0.0	5.92	46.15	-0.17	-173.26	-0.04	-0.09
32	145	50.00	5.92	46.15	-0.17	-174.76	-0.03	-0.09
32	145	100.00	-6.53	46.23	-0.61	-171.95	-0.25	-0.07
32	145	150.00	-19.51	46.28	-0.18	-167.90	-0.52	0.03
32	145	200.00	-36.20	46.31	1.88	-156.39	-0.10	0.20
32	145	250.00	-53.78	46.31	1.59	-142.76	0.81	0.21

32	145	295.00	-63.76	46.23	-1.41	-129.84	0.95	0.09
32	145	340.00	-61.58	46.08	-1.48	-114.10	0.33	-0.04
32	148	0.0	-398.86	-40.15	0.18	9.88	0.04	0.10
32	148	50.00	-398.86	-40.15	0.18	8.38	0.04	0.09
32	148	100.00	-386.17	-40.22	0.61	7.90	0.26	0.07
32	148	150.00	-372.08	-40.26	0.17	4.51	0.52	-0.03
32	148	200.00	-353.72	-40.27	-1.89	-7.39	0.10	-0.20
32	148	250.00	-334.01	-40.24	-1.60	-22.33	-0.81	-0.21
32	148	295.00	-321.45	-40.18	1.40	-37.37	-0.96	-0.09
32	148	340.00	-317.44	-40.01	1.49	-62.43	-0.33	0.04
32	170	0.0	-202.92	149.50	0.13	297.66	0.03	-0.02
32	170	50.00	-202.92	149.50	0.13	296.16	0.03	-0.02
32	170	100.00	-214.96	149.36	0.02	246.59	0.04	-0.02
32	170	150.00	-226.71	149.23	0.04	197.11	0.04	-0.02
32	170	200.00	-238.98	149.07	0.20	149.00	0.12	2.89e-03
32	170	250.00	-250.33	148.86	0.13	101.92	0.27	4.02e-03
32	170	295.00	-260.79	148.57	-0.06	54.66	0.28	-8.76e-03
32	170	340.00	-265.30	148.20	-0.53	11.03	0.13	-0.03
32	177	0.0	5.22	43.89	-0.18	-178.67	-0.04	-0.09
32	177	50.00	5.22	43.89	-0.18	-180.17	-0.04	-0.09
32	177	100.00	-7.00	43.97	-0.62	-176.66	-0.26	-0.07
32	177	150.00	-19.75	44.03	-0.19	-171.92	-0.52	0.03
32	177	200.00	-36.19	44.07	1.86	-159.81	-0.11	0.20
32	177	250.00	-53.53	44.07	1.58	-145.58	0.79	0.21
32	177	295.00	-63.51	44.00	-1.39	-132.08	0.93	0.09
32	177	340.00	-61.62	43.85	-1.45	-116.34	0.32	-0.04
32	180	0.0	-398.16	-37.89	0.19	15.29	0.04	0.09
32	180	50.00	-398.16	-37.89	0.19	13.79	0.04	0.09
32	180	100.00	-385.70	-37.96	0.62	12.61	0.27	0.07
32	180	150.00	-371.84	-38.01	0.18	8.54	0.53	-0.03
32	180	200.00	-353.74	-38.03	-1.87	-3.97	0.11	-0.20
32	180	250.00	-334.26	-38.00	-1.58	-19.50	-0.79	-0.21
32	180	295.00	-321.70	-37.95	1.37	-35.13	-0.94	-0.09
32	180	340.00	-317.39	-37.78	1.46	-60.18	-0.32	0.04
32	202	0.0	-206.00	151.82	0.13	306.49	0.03	-0.02
32	202	50.00	-206.00	151.82	0.13	304.99	0.03	-0.02
32	202	100.00	-218.08	151.68	0.02	254.40	0.04	-0.02
32	202	150.00	-229.88	151.55	0.04	203.86	0.04	-0.02
32	202	200.00	-242.18	151.39	0.18	154.61	0.11	1.64e-03
32	202	250.00	-253.58	151.17	0.11	106.26	0.26	2.54e-03
32	202	295.00	-264.04	150.88	-0.05	58.02	0.28	-9.41e-03
32	202	340.00	-268.74	150.51	-0.52	13.24	0.13	-0.03
32	209	0.0	40.74	49.65	-0.21	-199.86	-0.05	-0.11
32	209	50.00	40.74	49.65	-0.21	-201.36	-0.04	-0.10
32	209	100.00	26.45	49.75	-0.72	-196.94	-0.31	-0.08
32	209	150.00	11.47	49.83	-0.22	-190.94	-0.62	0.03
32	209	200.00	-7.86	49.88	2.18	-176.22	-0.13	0.23
32	209	250.00	-28.30	49.88	1.86	-158.93	0.92	0.24
32	209	295.00	-40.16	49.80	-1.62	-142.34	1.09	0.10
32	209	340.00	-38.56	49.63	-1.70	-122.76	0.37	-0.04
32	212	0.0	-433.68	-43.65	0.23	36.48	0.05	0.11
32	212	50.00	-433.68	-43.65	0.23	34.98	0.05	0.10
32	212	100.00	-419.15	-43.74	0.72	32.89	0.31	0.08
32	212	150.00	-403.06	-43.80	0.21	27.56	0.62	-0.03
32	212	200.00	-382.06	-43.83	-2.19	12.44	0.13	-0.23
32	212	250.00	-359.49	-43.81	-1.86	-6.16	-0.92	-0.24
32	212	295.00	-345.05	-43.75	1.61	-24.87	-1.10	-0.10
32	212	340.00	-340.46	-43.56	1.71	-53.76	-0.37	0.05
32	234	0.0	-209.26	179.29	0.16	379.46	0.04	-0.02
32	234	50.00	-209.26	179.29	0.16	377.96	0.04	-0.02
32	234	100.00	-223.53	179.12	0.03	317.71	0.05	-0.02
32	234	150.00	-237.54	178.97	0.05	257.64	0.06	-0.02
32	234	200.00	-252.16	178.77	0.21	199.14	0.14	1.10e-03
32	234	250.00	-265.77	178.52	0.13	141.76	0.31	2.07e-03
32	234	295.00	-278.30	178.17	-0.05	84.69	0.32	-0.01
32	234	340.00	-284.47	177.74	-0.61	32.27	0.15	-0.03
32	256	0.0	-238.63	4.64	0.04	-95.22	0.0	5.41e-03
32	256	50.00	-238.63	4.64	0.04	-97.53	0.02	7.44e-03
32	256	100.00	-238.80	4.64	0.03	-96.63	0.03	4.48e-03
32	256	150.00	-238.35	4.65	3.31e-03	-96.90	0.03	1.29e-03
32	256	200.00	-237.41	4.66	-0.04	-98.13	0.01	-3.04e-03
32	256	250.00	-236.06	4.67	-0.04	-100.15	-6.29e-03	-3.17e-03
32	256	295.00	-234.50	4.67	2.33e-03	-102.45	-5.25e-03	6.95e-04
32	256	340.00	-230.94	4.68	0.01	-108.72	0.0	5.48e-03
32	273	0.0	-150.60	-7.85	-4.29e-03	-85.77	0.0	-8.43e-05

32	273	50.00	-150.60	-7.85	-4.29e-03	-81.84	-2.14e-03	-9.36e-05
32	273	100.00	-149.06	-7.75	-4.39e-03	-78.01	-4.34e-03	2.04e-05
32	273	150.00	-147.30	-7.66	-6.60e-03	-74.63	-7.64e-03	7.68e-05
32	273	200.00	-145.41	-7.58	-6.88e-03	-71.55	-0.01	4.18e-04
32	273	250.00	-143.38	-7.50	-5.70e-03	-68.76	-0.01	1.19e-03
32	273	295.00	-141.29	-7.40	-0.01	-66.65	-0.02	4.01e-03
32	273	340.00	-138.17	-7.14	0.04	-66.77	0.0	0.02
32	276	0.0	-210.70	-6.78	-1.50e-03	-115.48	0.0	4.56e-04
32	276	50.00	-210.70	-6.78	-1.50e-03	-112.09	-7.48e-04	6.98e-04
32	276	100.00	-209.51	-6.68	-3.32e-03	-108.12	-2.41e-03	5.21e-04
32	276	150.00	-208.01	-6.57	-6.38e-03	-104.79	-5.60e-03	4.21e-04
32	276	200.00	-206.30	-6.49	-7.20e-03	-101.90	-9.20e-03	6.32e-04
32	276	250.00	-204.39	-6.41	-6.96e-03	-99.44	-0.01	1.25e-03
32	276	295.00	-202.30	-6.31	-0.01	-97.81	-0.02	3.94e-03
32	276	340.00	-198.80	-6.05	0.04	-99.14	0.0	0.02
32	288	0.0	-211.39	8.41	0.01	-76.60	0.0	1.61e-03
32	288	50.00	-211.39	8.41	0.01	-80.80	6.54e-03	2.08e-03
32	288	100.00	-211.93	8.36	2.84e-03	-81.05	7.96e-03	7.92e-04
32	288	150.00	-211.94	8.32	-2.63e-03	-82.31	6.65e-03	7.18e-05
32	288	200.00	-211.61	8.30	-1.75e-03	-84.18	5.77e-03	-1.97e-04
32	288	250.00	-211.01	8.28	2.00e-03	-86.57	6.77e-03	-4.36e-04
32	288	295.00	-210.12	8.22	-1.51e-03	-89.20	6.09e-03	-2.05e-03
32	288	340.00	-207.10	8.10	-0.01	-95.98	0.0	-6.54e-03
32	298	0.0	-204.04	3.12	8.04e-03	-85.33	0.0	1.18e-03
32	298	50.00	-204.04	3.12	8.04e-03	-86.89	4.02e-03	1.55e-03
32	298	100.00	-203.96	3.13	7.83e-04	-85.70	4.41e-03	6.60e-04
32	298	150.00	-203.44	3.13	-3.78e-03	-85.37	2.52e-03	1.58e-04
32	298	200.00	-202.63	3.14	-3.45e-03	-85.58	7.97e-04	5.20e-05
32	298	250.00	-201.58	3.16	-9.20e-04	-86.27	3.38e-04	9.69e-05
32	298	295.00	-200.29	3.15	-5.65e-03	-87.39	-2.20e-03	-9.45e-05
32	298	340.00	-197.14	3.16	4.90e-03	-92.19	0.0	2.28e-03
32	305	0.0	-198.06	3.31	0.02	-79.94	0.0	2.43e-03
32	305	50.00	-198.06	3.31	0.02	-81.59	8.58e-03	3.29e-03
32	305	100.00	-197.96	3.31	8.80e-03	-80.53	0.01	1.79e-03
32	305	150.00	-197.39	3.32	-1.47e-03	-80.38	0.01	4.37e-04
32	305	200.00	-196.48	3.33	-0.02	-80.88	4.21e-03	-1.04e-03
32	305	250.00	-195.30	3.34	-0.01	-81.91	-2.23e-03	-1.01e-03
32	305	295.00	-193.92	3.33	-2.18e-03	-83.28	-3.21e-03	1.87e-04
32	305	340.00	-190.74	3.34	7.13e-03	-88.22	0.0	3.22e-03
32	306	0.0	-150.97	0.24	3.49e-03	-65.03	0.0	5.30e-04
32	306	50.00	-150.97	0.24	3.49e-03	-65.15	1.75e-03	6.41e-04
32	306	100.00	-150.35	0.26	-1.10e-03	-63.58	1.19e-03	1.65e-04
32	306	150.00	-149.39	0.29	-4.60e-03	-62.64	-1.10e-03	-1.09e-04
32	306	200.00	-148.24	0.31	-3.98e-03	-62.10	-3.09e-03	-2.36e-05
32	306	250.00	-146.91	0.33	-9.24e-04	-61.90	-3.56e-03	2.85e-04
32	306	295.00	-145.46	0.35	-4.56e-03	-62.06	-5.61e-03	8.14e-04
32	306	340.00	-142.60	0.41	0.01	-65.08	0.0	5.51e-03
32	307	0.0	-196.38	0.98	5.72e-03	-86.88	0.0	9.54e-04
32	307	50.00	-196.38	0.98	5.72e-03	-87.36	2.86e-03	1.26e-03
32	307	100.00	-196.03	1.00	-1.91e-04	-85.63	2.77e-03	5.58e-04
32	307	150.00	-195.27	1.02	-4.33e-03	-84.69	6.03e-04	1.59e-04
32	307	200.00	-194.25	1.05	-4.15e-03	-84.25	-1.47e-03	1.36e-04
32	307	250.00	-193.01	1.08	-1.94e-03	-84.26	-2.44e-03	3.17e-04
32	307	295.00	-191.56	1.09	-6.93e-03	-84.75	-5.56e-03	7.20e-04
32	307	340.00	-188.40	1.15	0.01	-88.68	0.0	5.79e-03
32	309	0.0	-151.07	2.27	5.44e-03	-59.85	0.0	6.83e-04
32	309	50.00	-151.07	2.27	5.44e-03	-60.98	2.72e-03	8.25e-04
32	309	100.00	-150.67	2.27	-2.80e-04	-59.97	2.58e-03	2.01e-04
32	309	150.00	-149.92	2.27	-4.10e-03	-59.64	5.29e-04	-1.56e-04
32	309	200.00	-148.95	2.28	-3.25e-03	-59.74	-1.10e-03	-1.34e-04
32	309	250.00	-147.79	2.29	2.70e-04	-60.18	-9.62e-04	5.93e-05
32	309	295.00	-146.51	2.28	-2.89e-03	-60.91	-2.26e-03	1.52e-05
32	309	340.00	-143.71	2.29	5.02e-03	-64.66	0.0	1.95e-03
32	310	0.0	-196.47	3.00	7.67e-03	-81.69	0.0	1.11e-03
32	310	50.00	-196.47	3.00	7.67e-03	-83.19	3.83e-03	1.45e-03
32	310	100.00	-196.35	3.00	6.32e-04	-82.02	4.15e-03	5.94e-04
32	310	150.00	-195.79	3.01	-3.83e-03	-81.69	2.24e-03	1.13e-04
32	310	200.00	-194.96	3.02	-3.42e-03	-81.89	5.27e-04	2.54e-05
32	310	250.00	-193.90	3.03	-7.50e-04	-82.54	1.52e-04	9.15e-05
32	310	295.00	-192.61	3.03	-5.25e-03	-83.60	-2.21e-03	-7.88e-05
32	310	340.00	-189.51	3.04	4.92e-03	-88.26	0.0	2.23e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-433.68	-43.83	-2.19	-201.36	-1.10	-0.24
			40.74	179.29	2.18	379.46	1.09	0.24

Macro	Tipo	Angolo 1-Z (gradi)
33	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
33	19	0.0	-55.44	-3.40	0.01	31.09	0.0	1.63e-03
33	19	50.00	-55.44	-3.40	0.01	32.79	5.38e-03	2.69e-03
33	19	100.00	-52.52	-3.41	0.01	31.85	0.01	2.03e-03
33	19	150.00	-50.28	-3.41	0.02	32.03	0.02	1.41e-03
33	19	200.00	-48.40	-3.41	0.02	32.80	0.03	1.10e-04
33	19	250.00	-46.79	-3.42	3.00e-03	34.01	0.03	-2.31e-03
33	19	295.00	-44.12	-6.32	-0.05	35.15	7.56e-03	-9.78e-03
33	19	340.00	-22.30	-3.58	-7.80e-03	0.97	-1.50e-03	-2.59e-03
33	28	0.0	-173.08	-5.91	0.11	115.51	0.0	0.02
33	28	50.00	-173.08	-5.91	0.11	118.46	0.06	0.03
33	28	100.00	-164.68	-5.94	0.07	110.49	0.09	0.02
33	28	150.00	-158.39	-5.95	0.05	105.98	0.12	0.01
33	28	200.00	-153.19	-5.96	0.03	103.24	0.14	3.05e-03
33	28	250.00	-148.74	-5.99	-0.03	101.74	0.12	-7.17e-03
33	28	295.00	-141.40	-14.20	-0.17	96.56	0.04	-0.04
33	28	340.00	-79.52	-6.46	-0.05	-1.05	-7.27e-03	-0.01
33	52	0.0	-175.53	-14.82	0.09	89.63	0.0	0.01
33	52	50.00	-175.53	-14.82	0.09	97.03	0.04	0.02
33	52	100.00	-167.32	-14.84	0.06	93.82	0.08	0.02
33	52	150.00	-161.09	-14.85	0.05	93.84	0.10	9.67e-03
33	52	200.00	-155.87	-14.85	0.04	95.51	0.12	2.82e-03
33	52	250.00	-151.38	-14.88	-0.01	98.40	0.11	-6.64e-03
33	52	295.00	-142.88	-24.23	-0.16	96.51	0.03	-0.03
33	52	340.00	-79.45	-15.32	-0.04	-0.80	-6.71e-03	-0.01
33	68	0.0	-157.27	-19.20	0.07	67.63	0.0	0.01
33	68	50.00	-157.27	-19.20	0.07	77.23	0.04	0.02
33	68	100.00	-149.38	-19.21	0.06	76.73	0.06	0.01
33	68	150.00	-143.20	-19.22	0.05	79.02	0.09	8.83e-03
33	68	200.00	-137.89	-19.22	0.04	82.74	0.11	2.87e-03
33	68	250.00	-133.24	-19.24	-0.01	87.53	0.10	-5.53e-03
33	68	295.00	-124.08	-28.51	-0.15	87.65	0.03	-0.03
33	68	340.00	-66.54	-19.62	-0.04	0.86	-6.02e-03	-9.78e-03
33	116	0.0	-208.86	-38.79	0.09	126.62	9.50e-03	0.05
33	116	50.00	-208.86	-38.79	0.09	128.56	0.03	0.05
33	116	100.00	-191.20	-38.87	-0.07	124.63	0.03	0.03
33	116	150.00	-177.32	-38.91	-0.16	122.02	-0.02	4.91e-03
33	116	200.00	-162.49	-38.93	-0.02	118.06	-0.05	-0.04
33	116	250.00	-147.52	-38.94	-0.03	115.43	-0.10	-0.07
33	116	295.00	-175.29	-53.98	0.03	160.54	-0.13	-0.12
33	116	340.00	-75.20	-39.29	0.35	37.66	-0.07	-0.09
33	119	0.0	-251.53	-86.50	0.07	46.87	2.52e-03	0.06
33	119	50.00	-251.53	-86.50	0.07	48.81	0.03	0.06
33	119	100.00	-230.24	-86.53	-0.08	62.80	0.02	0.05
33	119	150.00	-210.41	-86.52	-0.15	74.59	-0.03	0.02
33	119	200.00	-195.09	-86.48	-1.86e-03	93.62	-0.08	-0.02
33	119	250.00	-176.27	-86.42	-0.01	107.77	-0.11	-0.05
33	119	295.00	-237.05	-110.05	0.02	208.33	-0.13	-0.11
33	119	340.00	-84.56	-86.83	0.36	41.75	-0.07	-0.08
33	138	0.0	37.41	111.55	0.08	208.65	8.87e-03	-0.02
33	138	50.00	37.41	111.55	0.08	210.59	0.03	-0.01
33	138	100.00	29.42	111.45	0.07	168.60	0.08	-0.02
33	138	150.00	15.23	111.33	0.07	137.66	0.11	-0.02
33	138	200.00	15.80	111.18	-8.45e-03	85.39	0.12	-8.66e-03
33	138	250.00	3.93	110.98	-0.02	51.49	0.12	-7.50e-03
33	138	295.00	90.41	128.62	-0.09	-85.98	0.07	-5.37e-03
33	138	340.00	-11.71	110.83	-0.12	-21.12	8.20e-03	0.01
33	139	0.0	-226.16	-119.31	0.02	-90.72	-8.87e-03	0.03
33	139	50.00	-226.16	-119.31	0.02	-88.78	0.02	0.04
33	139	100.00	-208.86	-119.24	3.39e-03	-53.82	2.04e-03	0.04
33	139	150.00	-187.64	-119.13	-0.01	-26.18	1.13e-04	0.03
33	139	200.00	-182.36	-118.98	0.05	24.69	9.38e-03	0.01
33	139	250.00	-165.46	-118.82	3.69e-03	58.57	7.16e-04	-2.66e-04
33	139	295.00	-243.72	-145.51	-0.09	192.68	-0.03	-0.03
33	139	340.00	-73.07	-119.19	0.07	20.50	-0.02	-0.02
33	148	0.0	-222.75	-42.85	0.10	135.35	0.01	0.06
33	148	50.00	-222.75	-42.85	0.10	137.29	0.04	0.06

33	148	100.00	-203.51	-42.94	-0.08	133.21	0.03	0.03
33	148	150.00	-188.36	-42.99	-0.18	130.39	-0.03	4.76e-03
33	148	200.00	-172.09	-43.01	-0.03	125.94	-0.07	-0.05
33	148	250.00	-155.59	-43.01	-0.03	122.90	-0.12	-0.08
33	148	295.00	-187.13	-59.30	0.05	173.47	-0.15	-0.14
33	148	340.00	-79.19	-43.38	0.40	42.33	-0.08	-0.10
33	151	0.0	-270.97	-96.79	0.07	45.16	3.04e-03	0.07
33	151	50.00	-270.97	-96.79	0.07	47.10	0.03	0.07
33	151	100.00	-247.64	-96.83	-0.09	63.29	0.01	0.05
33	151	150.00	-225.78	-96.81	-0.17	76.78	-0.04	0.02
33	151	200.00	-208.92	-96.77	-4.50e-03	98.27	-0.10	-0.03
33	151	250.00	-188.09	-96.69	-0.02	114.22	-0.13	-0.06
33	151	295.00	-256.93	-122.70	0.03	227.48	-0.15	-0.12
33	151	340.00	-89.77	-97.12	0.40	46.92	-0.07	-0.09
33	170	0.0	54.31	126.51	0.09	228.33	0.01	-0.02
33	170	50.00	54.31	126.51	0.09	230.27	0.04	-0.01
33	170	100.00	44.72	126.39	0.07	183.25	0.09	-0.02
33	170	150.00	28.28	126.26	0.07	148.42	0.12	-0.02
33	170	200.00	28.48	126.09	-0.01	89.55	0.13	-1.00e-02
33	170	250.00	14.81	125.87	-0.02	51.17	0.13	-8.06e-03
33	170	295.00	111.93	146.37	-0.09	-103.86	0.07	-3.84e-03
33	170	340.00	-7.81	125.73	-0.13	-23.71	9.49e-03	0.01
33	171	0.0	-243.05	-134.26	0.01	-110.39	-0.01	0.03
33	171	50.00	-243.05	-134.26	0.01	-108.46	0.01	0.04
33	171	100.00	-224.15	-134.18	-1.62e-04	-68.47	-2.98e-03	0.04
33	171	150.00	-200.69	-134.05	-0.02	-36.95	-6.68e-03	0.03
33	171	200.00	-195.04	-133.89	0.05	20.53	2.87e-03	0.01
33	171	250.00	-176.34	-133.71	5.32e-03	58.89	-6.29e-03	2.94e-04
33	171	295.00	-265.23	-163.25	-0.09	210.55	-0.04	-0.03
33	171	340.00	-76.96	-134.09	0.08	23.09	-0.02	-0.03
33	180	0.0	-219.57	-40.82	0.11	136.67	0.01	0.06
33	180	50.00	-219.57	-40.82	0.11	138.61	0.04	0.06
33	180	100.00	-200.66	-40.92	-0.07	133.93	0.04	0.03
33	180	150.00	-185.71	-40.97	-0.18	130.51	-0.02	3.86e-03
33	180	200.00	-169.78	-40.99	-0.03	125.65	-0.06	-0.05
33	180	250.00	-153.60	-41.00	-0.03	122.11	-0.11	-0.07
33	180	295.00	-183.58	-56.86	0.04	170.03	-0.14	-0.13
33	180	340.00	-78.40	-41.36	0.38	41.63	-0.08	-0.10
33	183	0.0	-268.73	-95.96	0.07	44.22	4.46e-03	0.07
33	183	50.00	-268.73	-95.96	0.07	46.16	0.03	0.07
33	183	100.00	-245.70	-96.00	-0.08	62.33	0.02	0.05
33	183	150.00	-224.08	-95.99	-0.17	75.82	-0.04	0.02
33	183	200.00	-207.33	-95.94	-4.85e-03	97.14	-0.09	-0.03
33	183	250.00	-186.77	-95.87	-0.02	113.14	-0.12	-0.05
33	183	295.00	-254.85	-121.65	0.02	225.14	-0.14	-0.12
33	183	340.00	-89.09	-96.30	0.39	46.17	-0.07	-0.09
33	202	0.0	55.69	128.59	0.09	232.63	0.01	-0.02
33	202	50.00	55.69	128.59	0.09	234.57	0.04	-0.01
33	202	100.00	46.09	128.48	0.07	186.55	0.09	-0.02
33	202	150.00	29.63	128.34	0.07	150.70	0.12	-0.02
33	202	200.00	29.41	128.17	-0.01	91.40	0.13	-0.01
33	202	250.00	15.84	127.95	-0.02	51.87	0.13	-8.52e-03
33	202	295.00	114.27	148.79	-0.09	-105.43	0.07	-4.53e-03
33	202	340.00	-7.68	127.82	-0.12	-23.53	8.27e-03	0.01
33	203	0.0	-244.43	-136.35	0.01	-114.70	-0.01	0.03
33	203	50.00	-244.43	-136.35	0.01	-112.76	0.01	0.04
33	203	100.00	-225.53	-136.26	2.64e-03	-71.77	-2.28e-03	0.04
33	203	150.00	-202.04	-136.14	-0.01	-39.23	-4.36e-03	0.03
33	203	200.00	-195.97	-135.97	0.05	18.68	6.99e-03	0.01
33	203	250.00	-177.37	-135.78	5.35e-03	58.19	-2.00e-03	7.55e-04
33	203	295.00	-267.58	-165.67	-0.09	212.12	-0.03	-0.03
33	203	340.00	-77.09	-136.17	0.07	22.90	-0.02	-0.03
33	212	0.0	-239.72	-46.03	0.12	151.34	0.02	0.06
33	212	50.00	-239.72	-46.03	0.12	153.28	0.04	0.06
33	212	100.00	-218.46	-46.14	-0.09	147.95	0.04	0.03
33	212	150.00	-201.61	-46.20	-0.21	143.79	-0.03	3.27e-03
33	212	200.00	-183.59	-46.23	-0.04	137.92	-0.08	-0.06
33	212	250.00	-165.19	-46.24	-0.04	133.42	-0.14	-0.09
33	212	295.00	-200.15	-63.81	0.06	188.45	-0.17	-0.15
33	212	340.00	-84.27	-46.61	0.45	48.57	-0.09	-0.12
33	234	0.0	82.82	153.05	0.10	265.63	0.01	-0.02
33	234	50.00	82.82	153.05	0.10	267.56	0.04	-0.02
33	234	100.00	70.70	152.91	0.07	211.17	0.10	-0.03
33	234	150.00	50.73	152.75	0.08	168.73	0.13	-0.02
33	234	200.00	49.75	152.54	-0.02	98.85	0.14	-0.01

33	234	250.00	33.37	152.29	-0.03	51.78	0.14	-9.65e-03
33	234	295.00	149.09	177.77	-0.09	-134.15	0.08	-2.52e-03
33	234	340.00	-1.51	152.18	-0.14	-27.48	0.01	0.02
33	235	0.0	-271.56	-160.80	2.98e-03	-147.69	-0.01	0.04
33	235	50.00	-271.56	-160.80	2.97e-03	-145.75	0.01	0.04
33	235	100.00	-250.14	-160.70	-2.64e-03	-96.39	-0.01	0.04
33	235	150.00	-223.14	-160.54	-0.02	-57.25	-0.01	0.03
33	235	200.00	-216.30	-160.35	0.06	11.23	-3.34e-03	0.02
33	235	250.00	-194.90	-160.13	8.29e-03	58.28	-0.01	1.88e-03
33	235	295.00	-302.39	-194.66	-0.09	240.85	-0.04	-0.03
33	235	340.00	-83.27	-160.53	0.09	26.86	-0.02	-0.03
33	248	0.0	-61.51	-3.35	0.02	37.68	0.0	3.18e-03
33	248	50.00	-61.51	-3.35	0.02	39.35	0.01	5.17e-03
33	248	100.00	-58.19	-3.36	0.02	37.74	0.02	3.55e-03
33	248	150.00	-55.64	-3.36	0.02	37.39	0.03	2.29e-03
33	248	200.00	-53.49	-3.37	0.02	37.70	0.04	3.93e-04
33	248	250.00	-51.65	-3.38	-3.59e-04	38.50	0.04	-2.62e-03
33	248	295.00	-48.61	-6.60	-0.05	39.16	0.01	-0.01
33	248	340.00	-24.56	-3.55	-0.01	1.18	-1.97e-03	-3.35e-03
33	256	0.0	-120.67	-4.14	0.08	80.33	0.0	0.01
33	256	50.00	-120.67	-4.14	0.08	82.40	0.04	0.02
33	256	100.00	-114.71	-4.16	0.05	76.87	0.06	0.01
33	256	150.00	-110.22	-4.17	0.04	73.75	0.08	7.66e-03
33	256	200.00	-106.48	-4.17	0.02	71.87	0.09	2.09e-03
33	256	250.00	-103.27	-4.20	-0.02	70.86	0.08	-4.97e-03
33	256	295.00	-98.05	-9.91	-0.12	67.36	0.03	-0.02
33	256	340.00	-54.90	-4.52	-0.03	-0.59	-5.01e-03	-8.33e-03
33	268	0.0	-122.31	-10.08	0.06	63.07	0.0	9.66e-03
33	268	50.00	-122.31	-10.08	0.06	68.11	0.03	0.02
33	268	100.00	-116.47	-10.09	0.04	65.75	0.05	0.01
33	268	150.00	-112.01	-10.10	0.04	65.66	0.07	6.69e-03
33	268	200.00	-108.27	-10.10	0.03	66.72	0.08	1.94e-03
33	268	250.00	-105.03	-10.12	-0.01	68.64	0.08	-4.61e-03
33	268	295.00	-99.04	-16.60	-0.11	67.33	0.02	-0.02
33	268	340.00	-54.86	-10.43	-0.03	-0.43	-4.63e-03	-7.67e-03
33	276	0.0	-110.13	-13.00	0.05	48.41	0.0	8.38e-03
33	276	50.00	-110.13	-13.00	0.05	54.91	0.03	0.01
33	276	100.00	-104.51	-13.01	0.04	54.36	0.04	9.35e-03
33	276	150.00	-100.09	-13.01	0.03	55.78	0.06	6.12e-03
33	276	200.00	-96.28	-13.01	0.03	58.21	0.07	1.98e-03
33	276	250.00	-92.94	-13.03	-7.65e-03	61.39	0.07	-3.87e-03
33	276	295.00	-86.51	-19.46	-0.10	61.42	0.02	-0.02
33	276	340.00	-46.25	-13.30	-0.03	0.68	-4.17e-03	-6.77e-03
33	298	0.0	-99.44	-4.06	0.05	61.56	0.0	8.14e-03
33	298	50.00	-99.44	-4.06	0.05	63.59	0.03	0.01
33	298	100.00	-94.64	-4.08	0.04	59.92	0.04	8.58e-03
33	298	150.00	-91.02	-4.09	0.03	58.19	0.06	5.28e-03
33	298	200.00	-88.02	-4.09	0.02	57.47	0.07	1.30e-03
33	298	250.00	-85.46	-4.11	-9.54e-03	57.47	0.06	-4.08e-03
33	298	295.00	-81.22	-8.84	-0.09	55.56	0.02	-0.02
33	298	340.00	-45.31	-4.38	-0.02	-0.59	-3.75e-03	-6.33e-03
33	302	0.0	-63.46	-2.87	0.03	42.29	0.0	4.85e-03
33	302	50.00	-63.46	-2.87	0.03	43.72	0.02	7.85e-03
33	302	100.00	-59.81	-2.89	0.02	41.33	0.03	5.14e-03
33	302	150.00	-56.97	-2.89	0.02	40.28	0.04	3.18e-03
33	302	200.00	-54.55	-2.89	0.01	39.91	0.04	7.36e-04
33	302	250.00	-52.44	-2.90	-4.69e-03	40.04	0.04	-2.70e-03
33	302	295.00	-49.13	-6.18	-0.06	39.90	0.01	-0.01
33	302	340.00	-24.77	-3.08	-0.01	1.34	-2.33e-03	-3.89e-03
33	307	0.0	-95.89	-5.62	0.05	55.52	0.0	7.71e-03
33	307	50.00	-95.89	-5.62	0.05	58.33	0.02	0.01
33	307	100.00	-91.11	-5.63	0.04	55.48	0.04	8.23e-03
33	307	150.00	-87.47	-5.64	0.03	54.48	0.06	5.13e-03
33	307	200.00	-84.40	-5.64	0.02	54.43	0.07	1.36e-03
33	307	250.00	-81.75	-5.66	-8.58e-03	55.06	0.06	-3.81e-03
33	307	295.00	-77.24	-10.46	-0.09	53.71	0.02	-0.02
33	307	340.00	-42.48	-5.91	-0.02	-0.18	-3.62e-03	-6.05e-03
33	309	0.0	-63.95	-2.75	0.03	43.44	0.0	5.27e-03
33	309	50.00	-63.95	-2.75	0.03	44.81	0.02	8.52e-03
33	309	100.00	-60.21	-2.77	0.02	42.23	0.03	5.54e-03
33	309	150.00	-57.30	-2.77	0.02	41.00	0.04	3.40e-03
33	309	200.00	-54.81	-2.77	0.01	40.46	0.05	8.21e-04
33	309	250.00	-52.64	-2.79	-5.77e-03	40.43	0.04	-2.72e-03
33	309	295.00	-49.25	-6.07	-0.06	40.09	0.01	-0.01
33	309	340.00	-24.82	-2.97	-0.02	1.38	-2.42e-03	-4.02e-03

33	310	0.0	-94.37	-3.88	0.05	58.97	0.0	7.73e-03
33	310	50.00	-94.37	-3.88	0.05	60.91	0.03	0.01
33	310	100.00	-89.72	-3.89	0.03	57.39	0.04	8.15e-03
33	310	150.00	-86.21	-3.90	0.03	55.74	0.06	5.01e-03
33	310	200.00	-83.28	-3.90	0.02	55.04	0.07	1.24e-03
33	310	250.00	-80.77	-3.92	-9.00e-03	55.03	0.06	-3.88e-03
33	310	295.00	-76.65	-8.44	-0.09	53.35	0.02	-0.02
33	310	340.00	-42.39	-4.18	-0.02	-0.31	-3.56e-03	-6.00e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-302.39	-194.66	-0.21	-147.69	-0.17	-0.15
			149.09	177.77	0.45	267.56	0.14	0.07

Macro	Tipo	Angolo 1-Z (gradi)
34	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
34	18	0.0	-180.86	6.36	0.06	-10.78	0.0	-0.01
34	18	50.00	-180.86	6.36	0.06	-7.59	0.03	-0.02
34	18	100.00	-184.54	6.37	0.04	-0.03	0.05	-0.01
34	18	150.00	-186.51	6.37	0.03	5.93	0.06	-6.12e-03
34	18	200.00	-187.59	6.38	0.03	11.05	0.08	-3.88e-04
34	18	250.00	-188.01	6.42	-2.65e-04	15.58	0.08	6.72e-03
34	18	295.00	-187.43	6.56	-0.11	18.86	0.02	0.02
34	18	340.00	-177.75	6.47	-0.05	13.50	0.0	0.02
34	28	0.0	-189.43	0.43	0.08	6.36	0.0	-0.01
34	28	50.00	-189.43	0.43	0.08	6.58	0.04	-0.02
34	28	100.00	-195.16	0.47	0.04	13.12	0.06	-0.01
34	28	150.00	-198.77	0.49	0.03	17.67	0.08	-5.30e-03
34	28	200.00	-201.29	0.52	0.03	21.23	0.09	1.81e-03
34	28	250.00	-203.07	0.57	-3.90e-03	24.10	0.09	0.01
34	28	295.00	-203.66	0.73	-0.13	25.86	0.03	0.03
34	28	340.00	-193.67	0.63	-0.06	17.58	0.0	0.02
34	45	0.0	-63.88	-4.48	0.04	13.56	0.0	-5.99e-03
34	45	50.00	-63.88	-4.48	0.04	11.32	0.02	-8.20e-03
34	45	100.00	-66.58	-4.45	0.02	12.35	0.03	-4.04e-03
34	45	150.00	-68.39	-4.43	0.01	12.54	0.03	-9.52e-04
34	45	200.00	-69.74	-4.41	7.43e-03	12.31	0.04	2.16e-03
34	45	250.00	-70.79	-4.39	-4.53e-03	11.81	0.04	5.63e-03
34	45	295.00	-71.37	-4.32	-0.05	11.08	0.01	0.01
34	45	340.00	-68.09	-4.37	-0.03	6.67	0.0	9.37e-03
34	52	0.0	-199.40	3.81	0.06	-4.53	0.0	-0.01
34	52	50.00	-199.40	3.81	0.06	-2.62	0.03	-0.02
34	52	100.00	-204.93	3.83	0.04	5.41	0.05	-0.01
34	52	150.00	-208.49	3.84	0.04	11.60	0.07	-6.07e-03
34	52	200.00	-211.04	3.86	0.03	16.83	0.09	3.59e-04
34	52	250.00	-212.85	3.91	1.22e-03	21.41	0.09	8.48e-03
34	52	295.00	-213.43	4.07	-0.13	24.67	0.03	0.03
34	52	340.00	-203.15	3.97	-0.06	17.62	0.0	0.02
34	113	0.0	-205.27	55.17	-7.71e-04	-157.74	-8.73e-03	0.02
34	113	50.00	-205.27	55.17	-7.71e-04	-156.65	0.01	0.01
34	113	100.00	-198.06	54.30	-6.11e-03	-135.40	0.02	0.02
34	113	150.00	-188.03	54.17	0.03	-116.57	0.03	0.01
34	113	200.00	-179.35	54.00	0.03	-96.90	0.04	0.01
34	113	250.00	-167.15	53.78	-5.31e-03	-80.31	-8.65e-03	-0.01
34	113	295.00	-154.82	53.56	-0.04	-65.69	-0.03	-3.62e-03
34	113	340.00	-139.42	52.39	0.03	-55.46	-0.02	1.64e-03
34	140	0.0	-23.79	-9.69	-0.05	67.90	-0.03	-0.04
34	140	50.00	-23.79	-9.69	-0.05	68.99	-6.64e-03	-0.05
34	140	100.00	-23.68	-16.79	-0.09	60.22	-0.05	-0.03
34	140	150.00	-27.66	-16.76	-0.10	54.66	-0.09	-0.02
34	140	200.00	-16.67	-16.68	-6.47e-03	37.40	-0.12	4.80e-03
34	140	250.00	-13.77	-16.57	0.05	26.53	-0.11	0.02
34	140	295.00	-9.95	-14.29	0.07	15.39	-0.11	0.03
34	140	340.00	-6.01	-14.24	0.18	4.72	-0.05	0.03
34	141	0.0	-204.04	14.00	0.13	-73.08	0.02	0.03
34	141	50.00	-204.04	14.00	0.13	-71.99	0.04	0.02
34	141	100.00	-210.25	21.13	0.15	-53.76	0.11	0.02
34	141	150.00	-210.33	21.11	0.14	-40.77	0.17	7.27e-03
34	141	200.00	-224.38	21.04	0.04	-17.07	0.22	-8.56e-03
34	141	250.00	-229.60	20.99	-0.04	-0.40	0.22	-9.56e-03

34	141	295.00	-234.45	18.90	-0.22	15.13	0.15	-6.05e-03
34	141	340.00	-226.83	18.74	-0.27	18.17	0.05	-8.84e-03
34	144	0.0	-17.99	-9.64	-0.04	69.22	-0.02	-0.04
34	144	50.00	-17.99	-9.64	-0.04	70.31	-4.49e-03	-0.04
34	144	100.00	-16.97	-16.74	-0.10	60.56	-0.04	-0.03
34	144	150.00	-19.80	-16.70	-0.10	53.92	-0.09	-0.01
34	144	200.00	-7.49	-16.62	-9.82e-03	35.48	-0.12	9.28e-03
34	144	250.00	-3.17	-16.51	0.04	23.32	-0.12	0.02
34	144	295.00	2.06	-14.25	0.08	10.86	-0.12	0.03
34	144	340.00	6.42	-14.20	0.20	-0.12	-0.05	0.03
34	145	0.0	-217.07	61.71	-6.24e-03	-177.01	-9.90e-03	0.02
34	145	50.00	-217.07	61.71	-6.24e-03	-175.92	0.01	0.02
34	145	100.00	-208.67	60.72	-9.79e-03	-152.56	0.02	0.02
34	145	150.00	-197.25	60.57	0.03	-131.77	0.03	0.02
34	145	200.00	-187.41	60.38	0.03	-109.99	0.04	0.01
34	145	250.00	-173.67	60.14	-5.73e-03	-91.60	-0.02	-0.01
34	145	295.00	-159.86	59.87	-0.04	-75.35	-0.03	-5.68e-03
34	145	340.00	-143.30	58.56	0.04	-63.34	-0.02	5.88e-04
34	172	0.0	-12.51	-11.14	-0.06	76.74	-0.03	-0.05
34	172	50.00	-12.51	-11.14	-0.06	77.83	-9.86e-03	-0.05
34	172	100.00	-12.00	-19.16	-0.10	67.37	-0.06	-0.04
34	172	150.00	-16.24	-19.14	-0.11	60.67	-0.11	-0.02
34	172	200.00	-3.74	-19.04	-9.47e-03	40.89	-0.14	5.32e-03
34	172	250.00	-0.35	-18.92	0.05	28.32	-0.13	0.02
34	172	295.00	3.98	-16.36	0.09	15.53	-0.12	0.04
34	172	340.00	7.68	-16.30	0.20	4.01	-0.05	0.03
34	173	0.0	-216.03	15.46	0.14	-82.12	0.03	0.03
34	173	50.00	-216.03	15.46	0.14	-81.03	0.05	0.03
34	173	100.00	-222.76	23.51	0.16	-60.99	0.12	0.02
34	173	150.00	-222.72	23.49	0.15	-46.72	0.18	8.64e-03
34	173	200.00	-238.43	23.41	0.04	-20.36	0.24	-9.63e-03
34	173	250.00	-244.32	23.35	-0.05	-1.83	0.24	-0.01
34	173	295.00	-249.85	20.98	-0.24	15.52	0.17	-8.46e-03
34	173	340.00	-242.03	20.80	-0.30	19.45	0.06	-0.01
34	176	0.0	-5.99	-11.10	-0.05	78.25	-0.03	-0.05
34	176	50.00	-5.99	-11.10	-0.05	79.35	-7.45e-03	-0.05
34	176	100.00	-4.46	-19.12	-0.11	67.79	-0.05	-0.03
34	176	150.00	-7.40	-19.08	-0.12	59.88	-0.10	-0.02
34	176	200.00	6.57	-18.99	-0.01	38.77	-0.14	0.01
34	176	250.00	11.55	-18.87	0.05	24.74	-0.14	0.02
34	176	295.00	17.45	-16.33	0.10	10.48	-0.14	0.04
34	176	340.00	21.62	-16.27	0.23	-1.40	-0.06	0.03
34	177	0.0	-216.51	60.83	-8.00e-03	-174.89	-0.01	0.02
34	177	50.00	-216.51	60.83	-8.00e-03	-173.79	9.82e-03	0.02
34	177	100.00	-208.39	59.85	-8.97e-03	-150.58	0.01	0.02
34	177	150.00	-197.31	59.72	0.03	-129.90	0.03	0.02
34	177	200.00	-187.67	59.53	0.03	-108.31	0.04	0.01
34	177	250.00	-174.27	59.29	-5.22e-03	-89.98	-0.01	-0.01
34	177	295.00	-160.77	59.02	-0.04	-73.76	-0.03	-4.61e-03
34	177	340.00	-144.33	57.69	0.04	-61.87	-0.02	1.49e-03
34	196	0.0	-22.00	-23.86	3.30e-03	84.78	-0.01	-0.05
34	196	50.00	-22.00	-23.86	3.30e-03	85.87	6.97e-03	-0.05
34	196	100.00	-25.46	-21.22	-0.03	77.08	-8.80e-03	-0.04
34	196	150.00	-29.95	-21.40	-0.05	69.04	-0.02	-0.03
34	196	200.00	-24.00	-21.35	5.74e-03	52.81	-0.03	-0.02
34	196	250.00	-26.43	-21.09	0.03	43.20	-0.02	0.03
34	196	295.00	-27.17	-20.55	-9.16e-05	32.89	-0.04	0.04
34	196	340.00	-25.33	-16.72	0.05	20.91	-0.02	0.03
34	205	0.0	-217.33	15.18	0.13	-82.20	0.03	0.03
34	205	50.00	-217.33	15.18	0.13	-81.10	0.05	0.03
34	205	100.00	-224.39	23.36	0.16	-60.88	0.12	0.02
34	205	150.00	-224.70	23.37	0.15	-46.38	0.18	8.73e-03
34	205	200.00	-240.39	23.30	0.05	-20.06	0.23	-9.03e-03
34	205	250.00	-246.59	23.24	-0.05	-1.31	0.24	-0.01
34	205	295.00	-252.41	20.83	-0.24	16.26	0.17	-7.40e-03
34	205	340.00	-244.66	20.64	-0.29	20.25	0.06	-0.01
34	208	0.0	-4.70	-10.82	-0.05	78.33	-0.03	-0.05
34	208	50.00	-4.70	-10.82	-0.05	79.42	-6.50e-03	-0.05
34	208	100.00	-2.83	-18.97	-0.11	67.68	-0.05	-0.03
34	208	150.00	-5.42	-18.97	-0.11	59.54	-0.10	-0.02
34	208	200.00	8.53	-18.88	-0.01	38.47	-0.13	9.74e-03
34	208	250.00	13.82	-18.76	0.04	24.22	-0.14	0.02
34	208	295.00	20.01	-16.18	0.09	9.74	-0.13	0.04
34	208	340.00	24.25	-16.10	0.22	-2.20	-0.06	0.03
34	209	0.0	-234.96	70.67	-0.02	-204.20	-0.01	0.03

34	209	50.00	-234.96	70.67	-0.02	-203.11	8.06e-03	0.02
34	209	100.00	-225.17	69.52	-0.01	-176.60	0.01	0.02
34	209	150.00	-212.10	69.37	0.03	-152.86	0.03	0.02
34	209	200.00	-200.74	69.16	0.03	-128.03	0.04	0.02
34	209	250.00	-185.13	68.86	-5.99e-03	-106.90	-0.02	-0.02
34	209	295.00	-169.48	68.52	-0.03	-88.11	-0.04	-7.71e-03
34	209	340.00	-151.29	66.95	0.05	-73.53	-0.02	-7.54e-05
34	228	0.0	-5.01	-28.44	-3.10e-03	100.58	-0.02	-0.06
34	228	50.00	-5.01	-28.44	-3.10e-03	101.67	4.56e-03	-0.06
34	228	100.00	-8.42	-25.34	-0.03	90.40	-0.02	-0.05
34	228	150.00	-13.19	-25.57	-0.06	80.15	-0.04	-0.04
34	228	200.00	-6.12	-25.53	3.88e-03	60.64	-0.04	-0.03
34	228	250.00	-8.69	-25.21	0.04	48.73	-0.03	0.03
34	228	295.00	-9.39	-24.56	0.01	36.13	-0.04	0.04
34	228	340.00	-8.23	-19.99	0.07	22.68	-0.02	0.03
34	237	0.0	-236.56	17.25	0.15	-96.14	0.03	0.04
34	237	50.00	-236.56	17.25	0.15	-95.05	0.05	0.03
34	237	100.00	-244.59	26.93	0.18	-71.94	0.13	0.03
34	237	150.00	-244.92	26.96	0.18	-55.35	0.21	0.01
34	237	200.00	-263.24	26.88	0.05	-24.91	0.26	-0.01
34	237	250.00	-270.62	26.80	-0.06	-3.16	0.28	-0.01
34	237	295.00	-277.66	23.94	-0.27	17.31	0.19	-0.01
34	237	340.00	-269.66	23.71	-0.34	22.71	0.07	-0.01
34	240	0.0	14.53	-12.89	-0.07	92.28	-0.03	-0.05
34	240	50.00	14.53	-12.89	-0.07	93.37	-0.01	-0.05
34	240	100.00	17.38	-22.54	-0.14	78.75	-0.07	-0.04
34	240	150.00	14.79	-22.56	-0.14	68.50	-0.12	-0.02
34	240	200.00	31.37	-22.46	-0.02	43.32	-0.17	0.01
34	240	250.00	37.85	-22.32	0.05	26.07	-0.18	0.02
34	240	295.00	45.27	-19.28	0.12	8.68	-0.16	0.04
34	240	340.00	49.25	-19.17	0.27	-4.66	-0.07	0.04
34	251	0.0	-127.32	4.34	0.04	-7.43	0.0	-8.47e-03
34	251	50.00	-127.32	4.34	0.04	-5.25	0.02	-0.01
34	251	100.00	-129.87	4.35	0.03	0.02	0.03	-7.78e-03
34	251	150.00	-131.21	4.35	0.02	4.17	0.04	-4.27e-03
34	251	200.00	-131.92	4.36	0.02	7.72	0.05	-2.34e-04
34	251	250.00	-132.18	4.39	-2.74e-04	10.86	0.05	4.75e-03
34	251	295.00	-131.72	4.49	-0.08	13.12	0.02	0.01
34	251	340.00	-124.90	4.42	-0.04	9.34	0.0	0.01
34	256	0.0	-133.04	0.39	0.05	4.00	0.0	-0.01
34	256	50.00	-133.04	0.39	0.05	4.20	0.03	-0.01
34	256	100.00	-136.95	0.42	0.03	8.79	0.04	-8.26e-03
34	256	150.00	-139.38	0.43	0.02	12.00	0.05	-3.72e-03
34	256	200.00	-141.06	0.45	0.02	14.50	0.06	1.23e-03
34	256	250.00	-142.21	0.49	-2.70e-03	16.54	0.06	7.13e-03
34	256	295.00	-142.54	0.60	-0.09	17.79	0.02	0.02
34	256	340.00	-135.51	0.53	-0.05	12.06	0.0	0.01
34	261	0.0	-74.14	-2.39	0.04	8.35	0.0	-6.26e-03
34	261	50.00	-74.14	-2.39	0.04	7.16	0.02	-8.74e-03
34	261	100.00	-76.63	-2.36	0.02	9.03	0.03	-4.67e-03
34	261	150.00	-78.21	-2.35	0.01	10.04	0.04	-1.63e-03
34	261	200.00	-79.31	-2.33	9.27e-03	10.62	0.04	1.54e-03
34	261	250.00	-80.10	-2.31	-3.51e-03	10.92	0.04	5.16e-03
34	261	295.00	-80.39	-2.24	-0.06	10.85	0.01	0.01
34	261	340.00	-76.52	-2.29	-0.03	6.82	0.0	9.46e-03
34	268	0.0	-139.69	2.64	0.05	-3.27	0.0	-9.02e-03
34	268	50.00	-139.69	2.64	0.05	-1.94	0.02	-0.01
34	268	100.00	-143.47	2.66	0.03	3.65	0.04	-8.08e-03
34	268	150.00	-145.87	2.67	0.02	7.94	0.05	-4.23e-03
34	268	200.00	-147.56	2.68	0.02	11.58	0.06	2.64e-04
34	268	250.00	-148.73	2.71	7.15e-04	14.74	0.06	5.93e-03
34	268	295.00	-149.06	2.83	-0.09	16.99	0.02	0.02
34	268	340.00	-141.84	2.75	-0.04	12.08	0.0	0.01
34	298	0.0	-115.83	2.29	0.04	-1.92	0.0	-8.17e-03
34	298	50.00	-115.83	2.29	0.04	-0.77	0.02	-0.01
34	298	100.00	-118.58	2.31	0.03	3.67	0.03	-7.12e-03
34	298	150.00	-120.14	2.31	0.02	6.99	0.04	-3.58e-03
34	298	200.00	-121.08	2.32	0.02	9.75	0.05	3.76e-04
34	298	250.00	-121.59	2.35	-1.15e-03	12.11	0.05	5.19e-03
34	298	295.00	-121.43	2.45	-0.08	13.73	0.02	0.01
34	298	340.00	-115.17	2.39	-0.04	9.56	0.0	0.01
34	303	0.0	-111.81	2.57	0.04	-2.97	0.0	-7.78e-03
34	303	50.00	-111.81	2.57	0.04	-1.68	0.02	-0.01
34	303	100.00	-114.32	2.58	0.02	2.68	0.03	-6.86e-03
34	303	150.00	-115.70	2.59	0.02	5.98	0.04	-3.53e-03

34	303	200.00	-116.51	2.60	0.02	8.74	0.05	2.30e-04
34	303	250.00	-116.89	2.62	-9.38e-04	11.12	0.05	4.81e-03
34	303	295.00	-116.64	2.71	-0.07	12.77	0.02	0.01
34	303	340.00	-110.59	2.65	-0.04	8.92	0.0	0.01
34	304	0.0	-80.50	0.73	0.03	0.07	0.0	-5.88e-03
34	304	50.00	-80.50	0.73	0.03	0.43	0.02	-8.43e-03
34	304	100.00	-82.34	0.74	0.02	3.24	0.02	-4.97e-03
34	304	150.00	-83.33	0.75	0.01	5.26	0.03	-2.36e-03
34	304	200.00	-83.90	0.76	0.01	6.88	0.04	5.07e-04
34	304	250.00	-84.15	0.78	-1.71e-03	8.21	0.04	3.93e-03
34	304	295.00	-83.93	0.84	-0.05	9.06	0.01	0.01
34	304	340.00	-79.63	0.80	-0.03	6.01	0.0	8.44e-03
34	309	0.0	-82.09	1.51	0.03	-2.00	0.0	-5.79e-03
34	309	50.00	-82.09	1.51	0.03	-1.25	0.01	-8.36e-03
34	309	100.00	-83.76	1.52	0.02	1.80	0.02	-5.04e-03
34	309	150.00	-84.62	1.52	0.01	4.07	0.03	-2.54e-03
34	309	200.00	-85.05	1.53	0.01	5.94	0.04	2.50e-04
34	309	250.00	-85.17	1.55	-1.26e-03	7.54	0.04	3.62e-03
34	309	295.00	-84.82	1.61	-0.05	8.61	0.01	0.01
34	309	340.00	-80.41	1.57	-0.03	5.81	0.0	8.18e-03
34	310	0.0	-111.01	2.18	0.04	-1.93	0.0	-7.83e-03
34	310	50.00	-111.01	2.18	0.04	-0.84	0.02	-0.01
34	310	100.00	-113.61	2.19	0.02	3.40	0.03	-6.83e-03
34	310	150.00	-115.06	2.20	0.02	6.58	0.04	-3.43e-03
34	310	200.00	-115.93	2.21	0.02	9.21	0.05	3.58e-04
34	310	250.00	-116.39	2.24	-1.16e-03	11.46	0.05	4.97e-03
34	310	295.00	-116.20	2.33	-0.07	13.00	0.02	0.01
34	310	340.00	-110.20	2.27	-0.04	9.02	0.0	0.01

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-277.66	-28.44	-0.34	-204.20	-0.18	-0.06
	49.25	70.67	0.27	101.67	0.28	0.04

Macro	Tipo	Angolo 1-Z (gradi)
35	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
35	18	340.00	-246.48	23.09	-0.15	243.65	-0.01	0.04
35	18	393.33	-243.13	22.40	0.07	255.83	-0.03	-0.07
35	18	446.67	-239.36	21.76	-0.12	267.81	-0.07	-0.03
35	18	500.00	-236.84	21.27	-0.13	279.43	-0.14	-0.02
35	18	550.00	-234.73	20.77	-0.08	290.01	-0.20	-0.03
35	18	600.00	-232.64	20.30	0.02	300.39	-0.22	-0.03
35	18	650.00	-230.06	19.99	0.22	310.79	-0.16	-0.03
35	18	700.00	-225.05	2.27	0.31	308.22	-4.70e-04	-0.01
35	28	340.00	-275.43	-0.32	-0.32	377.73	-9.14e-03	-0.02
35	28	393.33	-271.86	0.75	-0.12	377.55	-0.13	0.12
35	28	446.67	-268.00	1.74	-0.19	378.61	-0.23	0.07
35	28	500.00	-265.42	2.37	-0.14	380.15	-0.32	0.06
35	28	550.00	-263.27	2.98	-0.05	381.95	-0.37	0.06
35	28	600.00	-261.13	3.68	0.10	384.19	-0.36	0.07
35	28	650.00	-258.47	4.52	0.36	387.11	-0.25	0.07
35	28	700.00	-252.69	-14.12	0.47	375.98	1.14e-03	0.04
35	44	340.00	-248.60	-11.43	-0.34	366.09	-7.27e-03	-0.05
35	44	393.33	-245.43	-9.75	-0.18	360.06	-0.14	0.18
35	44	446.67	-241.49	-8.19	-0.18	355.69	-0.26	0.10
35	44	500.00	-238.66	-7.15	-0.12	352.10	-0.34	0.09
35	44	550.00	-236.22	-6.14	-0.03	349.33	-0.38	0.10
35	44	600.00	-233.81	-5.03	0.12	347.21	-0.36	0.10
35	44	650.00	-230.96	-3.83	0.37	345.95	-0.24	0.11
35	44	700.00	-224.23	-17.95	0.46	334.57	1.68e-03	0.05
35	45	340.00	-114.81	-18.80	-0.21	186.21	-2.21e-03	-0.06
35	45	393.33	-113.30	-17.18	-0.16	176.32	-0.10	0.18
35	45	446.67	-110.16	-15.67	-0.10	167.82	-0.17	0.09
35	45	500.00	-107.50	-14.64	-0.05	160.08	-0.21	0.08
35	45	550.00	-105.06	-13.63	1.27e-03	153.41	-0.22	0.09
35	45	600.00	-102.70	-12.57	0.08	147.35	-0.20	0.09
35	45	650.00	-100.16	-11.49	0.21	141.97	-0.13	0.10
35	45	700.00	-94.53	-14.39	0.25	136.01	1.55e-03	0.05
35	122	340.00	-147.85	190.16	-0.90	-622.62	-0.22	0.03
35	122	393.33	-145.68	190.22	-0.77	-618.85	-0.25	0.03

35	122	446.67	-142.94	190.53	-0.56	-516.74	-0.61	0.03
35	122	500.00	-142.61	189.81	-0.31	-415.99	-0.83	0.03
35	122	550.00	-145.25	188.73	-0.02	-322.12	-0.92	0.02
35	122	600.00	-140.04	187.53	0.28	-217.54	-0.87	0.02
35	122	650.00	-141.70	186.37	0.66	-135.20	-0.66	0.02
35	122	700.00	-156.82	154.23	1.11	-101.63	-0.22	0.01
35	130	340.00	-135.48	95.10	-1.98	-221.46	-0.52	0.11
35	130	393.33	-133.31	95.17	-1.85	-217.69	-0.55	0.10
35	130	446.67	-133.17	95.51	-1.28	-166.15	-1.29	0.10
35	130	500.00	-135.43	95.28	-0.76	-115.56	-1.82	0.09
35	130	550.00	-147.17	94.86	-0.11	-78.26	-2.07	0.08
35	130	600.00	-147.69	94.42	0.56	-28.85	-2.05	0.07
35	130	650.00	-150.63	94.07	1.40	16.12	-1.61	0.07
35	130	700.00	-159.08	73.15	2.63	32.10	-0.59	0.06
35	135	340.00	-177.04	-101.04	1.78	652.87	0.50	-0.08
35	135	393.33	-174.88	-100.97	1.91	656.64	0.47	-0.07
35	135	446.67	-169.70	-101.16	1.15	602.06	1.18	-0.07
35	135	500.00	-162.97	-100.74	0.60	549.03	1.62	-0.05
35	135	550.00	-147.54	-100.11	0.03	509.04	1.81	-0.04
35	135	600.00	-143.83	-99.37	-0.52	456.46	1.73	-0.03
35	135	650.00	-135.74	-98.54	-1.11	411.13	1.36	-0.02
35	135	700.00	-117.55	-96.37	-2.14	384.34	0.58	-0.02
35	139	340.00	-178.42	-35.61	1.63	400.91	0.45	-0.07
35	139	393.33	-176.25	-35.54	1.76	404.68	0.41	-0.06
35	139	446.67	-170.68	-35.49	0.99	380.87	1.02	-0.05
35	139	500.00	-163.72	-35.10	0.55	358.13	1.40	-0.04
35	139	550.00	-153.49	-32.12	0.10	337.26	1.58	-0.02
35	139	600.00	-147.95	-31.71	-0.45	315.30	1.57	-3.67e-03
35	139	650.00	-140.20	-30.20	-0.96	300.40	1.26	6.14e-03
35	139	700.00	-128.53	-34.35	-2.01	281.29	0.55	2.85e-03
35	154	340.00	-146.75	212.92	-1.00	-721.63	-0.25	0.03
35	154	393.33	-144.58	212.98	-0.87	-717.85	-0.28	0.03
35	154	446.67	-141.88	213.32	-0.62	-603.55	-0.68	0.03
35	154	500.00	-141.80	212.51	-0.34	-490.77	-0.92	0.03
35	154	550.00	-145.01	211.29	-0.02	-385.67	-1.02	0.02
35	154	600.00	-139.41	209.94	0.31	-268.61	-0.97	0.02
35	154	650.00	-141.55	208.62	0.72	-176.49	-0.73	0.02
35	154	700.00	-159.03	173.80	1.22	-138.32	-0.25	0.01
35	162	340.00	-132.75	106.06	-2.23	-270.94	-0.58	0.12
35	162	393.33	-130.58	106.13	-2.09	-267.17	-0.62	0.11
35	162	446.67	-130.83	106.51	-1.44	-209.68	-1.44	0.11
35	162	500.00	-133.71	106.25	-0.85	-153.29	-2.04	0.09
35	162	550.00	-147.18	105.78	-0.11	-111.73	-2.32	0.08
35	162	600.00	-148.03	105.28	0.63	-56.64	-2.30	0.07
35	162	650.00	-151.62	104.88	1.57	-6.54	-1.80	0.07
35	162	700.00	-161.64	82.66	2.94	11.89	-0.67	0.06
35	167	340.00	-179.78	-114.59	2.02	713.38	0.57	-0.09
35	167	393.33	-177.61	-114.52	2.15	717.15	0.53	-0.08
35	167	446.67	-172.11	-114.74	1.31	655.20	1.35	-0.08
35	167	500.00	-164.74	-114.28	0.70	595.02	1.85	-0.05
35	167	550.00	-147.62	-113.57	0.04	549.46	2.06	-0.04
35	167	600.00	-143.64	-112.75	-0.59	489.81	1.98	-0.03
35	167	650.00	-134.80	-111.84	-1.28	438.26	1.55	-0.03
35	167	700.00	-114.78	-108.05	-2.45	408.45	0.65	-0.03
35	171	340.00	-181.26	-40.82	1.85	428.76	0.51	-0.08
35	171	393.33	-179.09	-40.75	1.98	432.53	0.47	-0.07
35	171	446.67	-173.18	-40.70	1.13	405.33	1.16	-0.06
35	171	500.00	-165.57	-40.27	0.63	379.36	1.60	-0.04
35	171	550.00	-154.24	-36.94	0.11	355.53	1.80	-0.02
35	171	600.00	-148.21	-36.48	-0.51	330.46	1.79	-4.78e-03
35	171	650.00	-139.75	-34.79	-1.11	313.25	1.44	6.20e-03
35	171	700.00	-127.09	-38.17	-2.30	292.20	0.62	3.05e-03
35	186	340.00	-146.57	209.96	-1.01	-709.39	-0.25	0.03
35	186	393.33	-144.40	210.03	-0.88	-705.62	-0.28	0.03
35	186	446.67	-141.76	210.36	-0.63	-592.85	-0.68	0.03
35	186	500.00	-141.78	209.57	-0.34	-481.60	-0.93	0.03
35	186	550.00	-144.94	208.37	-0.02	-377.80	-1.03	0.02
35	186	600.00	-139.63	207.04	0.31	-262.85	-0.98	0.02
35	186	650.00	-141.70	205.75	0.73	-171.47	-0.75	0.02
35	186	700.00	-158.91	171.27	1.25	-133.58	-0.25	9.55e-03
35	194	340.00	-132.02	105.24	-2.26	-269.46	-0.59	0.12
35	194	393.33	-129.85	105.30	-2.13	-265.69	-0.62	0.11
35	194	446.67	-130.35	105.71	-1.47	-208.47	-1.46	0.11
35	194	500.00	-133.66	105.46	-0.88	-152.50	-2.08	0.09
35	194	550.00	-147.11	105.01	-0.12	-110.75	-2.38	0.08

35	194	600.00	-148.19	104.53	0.63	-56.09	-2.36	0.07
35	194	650.00	-151.83	104.15	1.60	-6.08	-1.86	0.07
35	194	700.00	-161.91	81.98	3.03	12.56	-0.69	0.06
35	199	340.00	-180.58	-113.75	2.06	711.98	0.57	-0.08
35	199	393.33	-178.41	-113.68	2.19	715.75	0.54	-0.08
35	199	446.67	-172.62	-113.92	1.34	654.10	1.37	-0.07
35	199	500.00	-164.84	-113.47	0.72	594.33	1.89	-0.05
35	199	550.00	-147.75	-112.79	0.05	548.57	2.12	-0.04
35	199	600.00	-143.53	-111.99	-0.59	489.45	2.04	-0.03
35	199	650.00	-134.64	-111.10	-1.32	437.95	1.60	-0.02
35	199	700.00	-114.59	-107.36	-2.53	407.92	0.68	-0.02
35	203	340.00	-181.33	-39.52	1.87	421.67	0.50	-0.07
35	203	393.33	-179.16	-39.46	2.00	425.45	0.47	-0.07
35	203	446.67	-173.16	-39.44	1.15	399.25	1.16	-0.06
35	203	500.00	-165.23	-39.03	0.65	374.47	1.62	-0.04
35	203	550.00	-153.68	-35.91	0.13	351.78	1.84	-0.02
35	203	600.00	-147.52	-35.45	-0.51	327.81	1.83	5.64e-04
35	203	650.00	-139.11	-33.83	-1.13	311.00	1.48	0.01
35	203	700.00	-126.39	-37.45	-2.36	290.61	0.63	8.21e-03
35	218	340.00	-144.73	243.34	-1.17	-855.02	-0.29	0.03
35	218	393.33	-142.56	243.41	-1.04	-851.25	-0.32	0.03
35	218	446.67	-140.02	243.80	-0.73	-720.55	-0.79	0.03
35	218	500.00	-140.48	242.88	-0.40	-591.66	-1.09	0.03
35	218	550.00	-144.58	241.48	-0.02	-471.39	-1.20	0.02
35	218	600.00	-138.78	239.93	0.36	-338.24	-1.14	0.02
35	218	650.00	-141.57	238.40	0.84	-232.38	-0.87	0.02
35	218	700.00	-162.30	199.98	1.44	-187.70	-0.30	9.54e-03
35	226	340.00	-127.20	122.80	-2.68	-349.83	-0.70	0.13
35	226	393.33	-125.03	122.87	-2.55	-346.06	-0.73	0.13
35	226	446.67	-126.28	123.35	-1.75	-279.24	-1.74	0.13
35	226	500.00	-130.80	123.06	-1.04	-213.97	-2.47	0.10
35	226	550.00	-147.12	122.53	-0.14	-165.23	-2.82	0.09
35	226	600.00	-148.86	121.97	0.75	-101.49	-2.80	0.08
35	226	650.00	-153.61	121.50	1.89	-43.09	-2.21	0.07
35	226	700.00	-166.30	97.23	3.60	-20.40	-0.83	0.06
35	231	340.00	-185.42	-134.99	2.49	808.00	0.68	-0.10
35	231	393.33	-183.25	-134.92	2.62	811.77	0.65	-0.09
35	231	446.67	-176.82	-135.23	1.63	738.50	1.66	-0.09
35	231	500.00	-167.82	-134.71	0.89	667.52	2.29	-0.06
35	231	550.00	-147.89	-133.91	0.07	612.91	2.58	-0.04
35	231	600.00	-143.11	-132.98	-0.71	542.75	2.49	-0.03
35	231	650.00	-132.95	-131.96	-1.61	481.35	1.95	-0.03
35	231	700.00	-109.93	-125.70	-3.09	446.43	0.81	-0.03
35	235	340.00	-185.68	-47.13	2.25	462.29	0.60	-0.09
35	235	393.33	-183.51	-47.06	2.38	466.06	0.56	-0.08
35	235	446.67	-176.95	-47.07	1.39	435.02	1.39	-0.07
35	235	500.00	-167.92	-46.60	0.79	405.69	1.95	-0.05
35	235	550.00	-154.55	-43.01	0.16	378.86	2.21	-0.02
35	235	600.00	-147.58	-42.48	-0.61	350.47	2.21	2.30e-04
35	235	650.00	-138.09	-40.63	-1.37	330.22	1.78	0.01
35	235	700.00	-123.79	-43.14	-2.84	307.10	0.75	9.93e-03
35	251	340.00	-176.02	15.76	-0.11	171.46	-7.17e-03	0.03
35	251	393.33	-173.61	15.31	0.05	179.78	-0.02	-0.05
35	251	446.67	-170.70	14.88	-0.09	187.97	-0.05	-0.02
35	251	500.00	-168.67	14.55	-0.09	195.92	-0.10	-0.02
35	251	550.00	-166.94	14.22	-0.06	203.18	-0.14	-0.02
35	251	600.00	-165.24	13.91	0.02	210.29	-0.15	-0.02
35	251	650.00	-163.20	13.71	0.16	217.43	-0.11	-0.02
35	251	700.00	-159.27	1.48	0.22	215.87	-3.01e-04	-8.72e-03
35	256	340.00	-195.32	0.16	-0.22	260.84	-6.51e-03	-0.02
35	256	393.33	-192.77	0.87	-0.08	260.92	-0.09	0.08
35	256	446.67	-189.79	1.53	-0.13	261.84	-0.15	0.04
35	256	500.00	-187.72	1.96	-0.10	263.07	-0.22	0.04
35	256	550.00	-185.97	2.36	-0.04	264.47	-0.25	0.04
35	256	600.00	-184.23	2.83	0.07	266.16	-0.25	0.05
35	256	650.00	-182.13	3.39	0.25	268.31	-0.17	0.05
35	256	700.00	-177.69	-9.45	0.33	261.04	7.71e-04	0.02
35	261	340.00	-120.74	-10.76	-0.17	168.23	-3.08e-03	-0.04
35	261	393.33	-119.12	-9.67	-0.10	162.57	-0.08	0.12
35	261	446.67	-116.03	-8.64	-0.09	157.92	-0.13	0.06
35	261	500.00	-113.47	-7.95	-0.06	153.76	-0.17	0.06
35	261	550.00	-111.14	-7.28	-0.01	150.25	-0.19	0.06
35	261	600.00	-108.89	-6.56	0.06	147.16	-0.18	0.06
35	261	650.00	-106.44	-5.82	0.18	144.58	-0.12	0.07
35	261	700.00	-101.17	-10.05	0.22	140.29	1.08e-03	0.03

35	264	340.00	-177.44	-7.26	-0.23	253.09	-5.27e-03	-0.03
35	264	393.33	-175.15	-6.13	-0.11	249.26	-0.10	0.12
35	264	446.67	-172.11	-5.09	-0.13	246.56	-0.17	0.07
35	264	500.00	-169.88	-4.39	-0.09	244.37	-0.23	0.06
35	264	550.00	-167.93	-3.72	-0.02	242.72	-0.26	0.06
35	264	600.00	-166.02	-2.98	0.08	241.51	-0.25	0.07
35	264	650.00	-163.79	-2.17	0.26	240.88	-0.17	0.07
35	264	700.00	-158.72	-12.01	0.32	233.43	1.13e-03	0.04
35	298	340.00	-162.40	7.56	-0.14	182.70	-6.07e-03	7.39e-03
35	298	393.33	-160.16	7.63	-7.61e-04	186.69	-0.04	8.80e-03
35	298	446.67	-157.20	7.69	-0.09	190.96	-0.08	9.27e-03
35	298	500.00	-155.05	7.70	-0.09	195.24	-0.13	9.70e-03
35	298	550.00	-153.18	7.70	-0.04	199.24	-0.17	9.73e-03
35	298	600.00	-151.34	7.74	0.03	203.30	-0.17	9.69e-03
35	298	650.00	-149.21	7.87	0.17	207.56	-0.12	0.01
35	298	700.00	-145.45	-3.49	0.23	203.92	1.66e-04	5.68e-03
35	303	340.00	-156.22	8.67	-0.12	167.42	-5.95e-03	0.01
35	303	393.33	-154.05	8.63	0.01	172.00	-0.04	-2.88e-03
35	303	446.67	-151.09	8.59	-0.09	176.75	-0.07	3.33e-03
35	303	500.00	-148.91	8.53	-0.08	181.47	-0.12	4.14e-03
35	303	550.00	-147.01	8.47	-0.04	185.84	-0.15	3.97e-03
35	303	600.00	-145.15	8.43	0.03	190.23	-0.16	3.68e-03
35	303	650.00	-143.00	8.49	0.16	194.76	-0.11	4.52e-03
35	303	700.00	-139.22	-2.24	0.22	191.99	6.42e-05	2.52e-03
35	304	340.00	-119.98	1.51	-0.10	124.69	-4.10e-03	-2.48e-03
35	304	393.33	-118.29	1.77	-0.01	125.52	-0.04	0.03
35	304	446.67	-115.27	2.00	-0.07	126.67	-0.07	0.02
35	304	500.00	-112.82	2.15	-0.06	127.92	-0.10	0.02
35	304	550.00	-110.62	2.29	-0.03	129.16	-0.13	0.02
35	304	600.00	-108.47	2.45	0.03	130.52	-0.13	0.02
35	304	650.00	-106.12	2.65	0.13	132.08	-0.09	0.02
35	304	700.00	-101.46	-2.86	0.17	130.92	3.12e-04	0.01
35	305	340.00	-156.50	4.06	-0.15	183.74	-5.57e-03	-1.05e-03
35	305	393.33	-154.35	4.34	-0.02	185.89	-0.05	0.03
35	305	446.67	-151.37	4.59	-0.09	188.47	-0.09	0.02
35	305	500.00	-149.15	4.74	-0.08	191.16	-0.14	0.02
35	305	550.00	-147.21	4.88	-0.04	193.75	-0.17	0.02
35	305	600.00	-145.31	5.06	0.04	196.47	-0.18	0.02
35	305	650.00	-143.12	5.31	0.18	199.45	-0.12	0.02
35	305	700.00	-139.11	-4.94	0.24	195.50	3.51e-04	0.01
35	309	340.00	-119.79	4.58	-0.09	113.81	-4.35e-03	5.73e-03
35	309	393.33	-118.09	4.63	9.63e-03	116.25	-0.03	6.52e-03
35	309	446.67	-115.08	4.66	-0.06	118.86	-0.05	6.92e-03
35	309	500.00	-112.66	4.67	-0.06	121.46	-0.09	7.24e-03
35	309	550.00	-110.48	4.68	-0.03	123.89	-0.11	7.31e-03
35	309	600.00	-108.36	4.70	0.02	126.36	-0.11	7.33e-03
35	309	650.00	-106.04	4.77	0.12	128.95	-0.08	7.91e-03
35	309	700.00	-101.53	-1.06	0.16	128.58	1.20e-04	4.47e-03
35	310	340.00	-156.32	7.13	-0.13	172.86	-5.83e-03	7.16e-03
35	310	393.33	-154.15	7.20	7.24e-04	176.63	-0.04	8.47e-03
35	310	446.67	-151.18	7.26	-0.09	180.66	-0.08	8.94e-03
35	310	500.00	-148.99	7.27	-0.08	184.70	-0.13	9.34e-03
35	310	550.00	-147.08	7.27	-0.04	188.48	-0.16	9.39e-03
35	310	600.00	-145.20	7.31	0.03	192.31	-0.16	9.36e-03
35	310	650.00	-143.04	7.43	0.16	196.33	-0.12	0.01
35	310	700.00	-139.18	-3.14	0.22	193.16	1.60e-04	5.50e-03

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-275.43	-135.23	-3.09	-855.02	-2.82	-0.10
	-94.53	243.80	3.60	811.77	2.58	0.18

Macro	Tipo	Angolo 1-Z (gradi)
36	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
36	4	340.00	-18.74	1.61	0.27	2.37	-0.12	0.02
36	4	393.33	-21.18	1.51	0.15	0.91	-4.33e-03	3.59e-03
36	4	446.67	-20.63	1.27	0.06	0.25	0.05	9.04e-04
36	4	500.00	-19.23	1.14	0.04	-0.10	0.07	0.0
36	4	550.00	-17.68	1.06	0.05	-0.32	0.09	-4.66e-04
36	4	600.00	-16.16	1.02	0.02	-0.52	0.11	2.36e-04

36	4	650.00	-14.75	1.02	-0.12	-0.73	0.09	5.38e-03
36	4	700.00	-13.98	1.04	-0.16	-1.12	0.0	8.76e-03
36	18	340.00	-16.71	1.47	0.28	2.09	-0.11	0.03
36	18	393.33	-18.86	1.37	0.14	0.78	-1.02e-03	4.77e-03
36	18	446.67	-18.33	1.13	0.05	0.18	0.04	1.20e-03
36	18	500.00	-17.06	1.00	0.03	-0.13	0.07	-3.31e-04
36	18	550.00	-15.69	0.91	0.04	-0.32	0.08	-1.08e-03
36	18	600.00	-14.35	0.85	0.01	-0.48	0.10	-5.76e-04
36	18	650.00	-13.12	0.84	-0.11	-0.65	0.08	3.82e-03
36	18	700.00	-12.44	0.85	-0.14	-0.97	0.0	6.85e-03
36	52	340.00	-18.74	1.59	0.20	2.46	-0.10	0.02
36	52	393.33	-21.31	1.44	0.13	0.99	-0.02	-4.05e-04
36	52	446.67	-20.87	1.20	0.06	0.33	0.03	2.56e-04
36	52	500.00	-19.56	1.08	0.05	-6.11e-03	0.06	1.01e-03
36	52	550.00	-18.08	1.00	0.05	-0.21	0.08	1.35e-03
36	52	600.00	-16.60	0.96	0.02	-0.38	0.10	2.40e-03
36	52	650.00	-15.17	0.96	-0.12	-0.56	0.08	7.55e-03
36	52	700.00	-14.34	0.97	-0.16	-0.90	0.0	0.01
36	93	340.00	-7.39	0.54	0.09	0.91	-0.03	8.26e-03
36	93	393.33	-8.42	0.55	0.05	0.36	2.18e-03	1.67e-03
36	93	446.67	-8.15	0.49	0.01	0.10	0.02	1.07e-04
36	93	500.00	-7.52	0.46	8.86e-03	-0.05	0.02	-2.82e-04
36	93	550.00	-6.83	0.45	0.01	-0.15	0.03	-3.56e-04
36	93	600.00	-6.14	0.45	3.54e-03	-0.25	0.03	-6.44e-05
36	93	650.00	-5.51	0.48	-0.03	-0.37	0.02	1.37e-03
36	93	700.00	-5.13	0.49	-0.05	-0.58	0.0	2.31e-03
36	122	340.00	-8.15	0.71	1.15	-0.16	-0.63	0.19
36	122	393.33	-9.62	0.65	1.10	-0.99	-0.58	0.04
36	122	446.67	-9.92	0.74	0.39	-1.02	-0.18	0.01
36	122	500.00	-9.13	0.82	0.17	-1.03	-0.03	1.21e-03
36	122	550.00	-7.81	0.87	0.11	-1.07	0.04	-2.81e-03
36	122	600.00	-6.35	0.92	0.08	-1.16	0.09	-4.33e-03
36	122	650.00	-4.89	0.98	-0.06	-1.29	0.10	2.18e-04
36	122	700.00	-3.76	1.06	-0.19	-1.57	0.03	8.30e-03
36	137	340.00	-14.81	-1.56	-0.16	1.99	-0.10	1.36e-03
36	137	393.33	-16.28	-1.62	-0.21	1.17	-0.05	-0.01
36	137	446.67	-13.75	-1.98	0.20	0.64	-0.06	-5.20e-03
36	137	500.00	-13.13	-2.12	0.08	0.55	-0.05	5.01e-03
36	137	550.00	-14.51	-2.20	0.07	0.77	3.30e-03	9.89e-03
36	137	600.00	-16.34	-2.26	0.04	1.06	0.03	0.01
36	137	650.00	-20.99	-2.35	-0.04	1.63	0.03	0.02
36	137	700.00	-23.95	-2.51	-0.07	1.97	-5.11e-03	0.02
36	140	340.00	-6.46	3.29	0.40	0.76	-8.23e-03	0.02
36	140	393.33	-7.93	3.23	0.35	-0.06	0.04	0.01
36	140	446.67	-9.87	3.35	-0.13	-0.28	0.10	5.49e-03
36	140	500.00	-8.90	3.37	-0.04	-0.59	0.11	-4.51e-03
36	140	550.00	-5.71	3.38	-0.02	-1.05	0.09	-9.23e-03
36	140	600.00	-2.10	3.41	-0.01	-1.57	0.08	-0.01
36	140	650.00	4.26	3.52	-0.08	-2.38	0.06	-0.01
36	140	700.00	8.23	3.70	-0.10	-3.17	5.11e-03	-0.01
36	154	340.00	-7.86	0.70	1.28	-0.35	-0.70	0.21
36	154	393.33	-9.33	0.64	1.23	-1.18	-0.65	0.05
36	154	446.67	-9.70	0.75	0.43	-1.17	-0.20	0.02
36	154	500.00	-8.90	0.85	0.19	-1.15	-0.04	1.32e-03
36	154	550.00	-7.52	0.91	0.12	-1.19	0.04	-3.22e-03
36	154	600.00	-5.98	0.96	0.09	-1.27	0.09	-4.99e-03
36	154	650.00	-4.43	1.04	-0.06	-1.41	0.10	-2.28e-04
36	154	700.00	-3.21	1.12	-0.20	-1.70	0.03	8.67e-03
36	169	340.00	-15.30	-1.87	-0.20	2.07	-0.11	7.82e-05
36	169	393.33	-16.77	-1.93	-0.25	1.24	-0.06	-0.01
36	169	446.67	-13.92	-2.33	0.22	0.69	-0.07	-5.91e-03
36	169	500.00	-13.35	-2.48	0.09	0.63	-0.06	5.62e-03
36	169	550.00	-15.07	-2.56	0.07	0.88	-2.09e-03	0.01
36	169	600.00	-17.26	-2.63	0.04	1.23	0.03	0.02
36	169	650.00	-22.64	-2.73	-0.04	1.89	0.03	0.02
36	169	700.00	-26.06	-2.92	-0.06	2.31	-5.78e-03	0.02
36	172	340.00	-5.98	3.60	0.44	0.69	-1.95e-03	0.02
36	172	393.33	-7.45	3.55	0.39	-0.14	0.05	0.01
36	172	446.67	-9.69	3.70	-0.15	-0.33	0.11	6.20e-03
36	172	500.00	-8.67	3.73	-0.04	-0.66	0.12	-5.12e-03
36	172	550.00	-5.16	3.74	-0.02	-1.17	0.09	-0.01
36	172	600.00	-1.17	3.78	-0.02	-1.74	0.08	-0.01
36	172	650.00	5.91	3.90	-0.08	-2.64	0.06	-0.01
36	172	700.00	10.33	4.11	-0.10	-3.51	5.78e-03	-0.01
36	186	340.00	-8.03	0.73	1.27	-0.31	-0.69	0.21

36	186	393.33	-9.50	0.67	1.22	-1.14	-0.64	0.05
36	186	446.67	-9.88	0.79	0.42	-1.14	-0.20	0.01
36	186	500.00	-9.00	0.88	0.19	-1.14	-0.04	1.23e-03
36	186	550.00	-7.52	0.94	0.12	-1.18	0.04	-3.29e-03
36	186	600.00	-5.93	1.00	0.08	-1.28	0.09	-5.07e-03
36	186	650.00	-4.33	1.07	-0.06	-1.42	0.10	-3.61e-04
36	186	700.00	-3.06	1.16	-0.20	-1.72	0.03	8.45e-03
36	201	340.00	-15.04	-1.93	-0.18	2.04	-0.11	-3.93e-04
36	201	393.33	-16.51	-1.99	-0.23	1.21	-0.06	-0.01
36	201	446.67	-13.50	-2.40	0.21	0.66	-0.07	-6.11e-03
36	201	500.00	-13.11	-2.56	0.09	0.62	-0.06	5.68e-03
36	201	550.00	-15.07	-2.64	0.07	0.90	-2.54e-03	0.01
36	201	600.00	-17.42	-2.72	0.04	1.27	0.03	0.02
36	201	650.00	-22.93	-2.82	-0.04	1.94	0.03	0.02
36	201	700.00	-26.49	-3.01	-0.06	2.39	-5.89e-03	0.03
36	204	340.00	-6.23	3.66	0.42	0.72	2.26e-03	0.02
36	204	393.33	-7.70	3.61	0.37	-0.11	0.05	0.02
36	204	446.67	-10.12	3.78	-0.15	-0.30	0.11	6.41e-03
36	204	500.00	-8.91	3.80	-0.04	-0.65	0.12	-5.18e-03
36	204	550.00	-5.15	3.82	-0.02	-1.19	0.09	-0.01
36	204	600.00	-1.02	3.86	-0.02	-1.78	0.08	-0.01
36	204	650.00	6.20	3.99	-0.09	-2.70	0.06	-0.02
36	204	700.00	10.76	4.20	-0.11	-3.58	5.89e-03	-0.01
36	218	340.00	-7.61	0.74	1.46	-0.59	-0.80	0.24
36	218	393.33	-9.08	0.68	1.41	-1.42	-0.75	0.05
36	218	446.67	-9.59	0.84	0.49	-1.36	-0.23	0.02
36	218	500.00	-8.66	0.96	0.21	-1.33	-0.05	1.32e-03
36	218	550.00	-7.05	1.04	0.14	-1.37	0.04	-4.01e-03
36	218	600.00	-5.29	1.10	0.10	-1.46	0.10	-6.19e-03
36	218	650.00	-3.52	1.18	-0.06	-1.62	0.11	-1.17e-03
36	218	700.00	-2.08	1.28	-0.22	-1.94	0.04	8.84e-03
36	233	340.00	-15.84	-2.46	-0.23	2.16	-0.13	-2.64e-03
36	233	393.33	-17.30	-2.52	-0.27	1.33	-0.08	-0.02
36	233	446.67	-13.75	-2.99	0.23	0.74	-0.09	-7.35e-03
36	233	500.00	-13.47	-3.16	0.10	0.74	-0.07	6.68e-03
36	233	550.00	-16.00	-3.26	0.08	1.10	-0.01	0.01
36	233	600.00	-18.96	-3.34	0.04	1.56	0.03	0.02
36	233	650.00	-25.67	-3.46	-0.03	2.38	0.03	0.03
36	233	700.00	-30.02	-3.69	-0.06	2.95	-7.00e-03	0.03
36	236	340.00	-5.44	4.20	0.46	0.60	0.01	0.02
36	236	393.33	-6.91	4.14	0.42	-0.23	0.06	0.02
36	236	446.67	-9.86	4.36	-0.17	-0.38	0.13	7.64e-03
36	236	500.00	-8.55	4.41	-0.06	-0.77	0.14	-6.18e-03
36	236	550.00	-4.23	4.44	-0.03	-1.39	0.10	-0.01
36	236	600.00	0.53	4.49	-0.02	-2.07	0.08	-0.02
36	236	650.00	8.94	4.64	-0.09	-3.14	0.06	-0.02
36	236	700.00	14.29	4.88	-0.11	-4.15	7.00e-03	-0.02
36	244	340.00	-13.26	1.13	0.19	1.68	-0.08	0.02
36	244	393.33	-15.00	1.06	0.10	0.65	-3.44e-03	2.39e-03
36	244	446.67	-14.61	0.89	0.04	0.18	0.03	6.01e-04
36	244	500.00	-13.61	0.80	0.03	-0.07	0.05	2.17e-05
36	244	550.00	-12.52	0.74	0.03	-0.22	0.06	-2.65e-04
36	244	600.00	-11.43	0.71	0.01	-0.36	0.08	2.49e-04
36	244	650.00	-10.43	0.72	-0.08	-0.51	0.06	3.81e-03
36	244	700.00	-9.87	0.73	-0.11	-0.78	0.0	6.11e-03
36	251	340.00	-11.91	1.03	0.19	1.50	-0.08	0.02
36	251	393.33	-13.45	0.97	0.10	0.56	-1.23e-03	3.18e-03
36	251	446.67	-13.07	0.80	0.04	0.14	0.03	7.96e-04
36	251	500.00	-12.17	0.70	0.02	-0.08	0.05	-1.99e-04
36	251	550.00	-11.19	0.64	0.02	-0.22	0.06	-6.77e-04
36	251	600.00	-10.23	0.60	7.11e-03	-0.33	0.07	-2.93e-04
36	251	650.00	-9.34	0.60	-0.07	-0.46	0.05	2.77e-03
36	251	700.00	-8.84	0.60	-0.10	-0.68	0.0	4.84e-03
36	268	340.00	-13.26	1.12	0.14	1.74	-0.07	0.01
36	268	393.33	-15.09	1.01	0.09	0.70	-0.01	-2.69e-04
36	268	446.67	-14.77	0.85	0.04	0.24	0.02	1.69e-04
36	268	500.00	-13.84	0.76	0.03	-2.84e-03	0.04	6.96e-04
36	268	550.00	-12.79	0.70	0.03	-0.15	0.06	9.44e-04
36	268	600.00	-11.73	0.67	0.01	-0.27	0.07	1.69e-03
36	268	650.00	-10.71	0.68	-0.08	-0.39	0.06	5.25e-03
36	268	700.00	-10.11	0.68	-0.11	-0.63	0.0	7.16e-03
36	285	340.00	-7.84	0.59	0.09	0.99	-0.04	8.14e-03
36	285	393.33	-8.94	0.58	0.05	0.39	-2.28e-04	1.22e-03
36	285	446.67	-8.68	0.50	0.02	0.12	0.02	9.26e-05
36	285	500.00	-8.04	0.47	0.01	-0.04	0.02	-1.16e-04

36	285	550.00	-7.33	0.46	0.01	-0.14	0.03	-1.15e-04
36	285	600.00	-6.62	0.45	4.38e-03	-0.24	0.03	2.39e-04
36	285	650.00	-5.97	0.47	-0.04	-0.35	0.03	1.83e-03
36	285	700.00	-5.57	0.48	-0.05	-0.54	0.0	2.78e-03
36	298	340.00	-11.10	0.91	0.13	1.44	-0.06	0.01
36	298	393.33	-12.62	0.85	0.07	0.57	-5.53e-03	6.87e-04
36	298	446.67	-12.31	0.72	0.03	0.19	0.02	1.64e-04
36	298	500.00	-11.48	0.66	0.02	-0.02	0.04	2.59e-04
36	298	550.00	-10.55	0.62	0.03	-0.15	0.05	3.24e-04
36	298	600.00	-9.61	0.60	0.01	-0.27	0.06	8.66e-04
36	298	650.00	-8.73	0.62	-0.07	-0.40	0.05	3.76e-03
36	298	700.00	-8.21	0.63	-0.09	-0.63	0.0	5.46e-03
36	303	340.00	-10.65	0.88	0.13	1.37	-0.06	0.01
36	303	393.33	-12.11	0.82	0.07	0.54	-4.48e-03	1.11e-03
36	303	446.67	-11.80	0.69	0.03	0.17	0.02	2.71e-04
36	303	500.00	-11.00	0.62	0.02	-0.03	0.03	1.52e-04
36	303	550.00	-10.10	0.58	0.02	-0.15	0.05	1.16e-04
36	303	600.00	-9.21	0.57	9.66e-03	-0.26	0.06	6.00e-04
36	303	650.00	-8.36	0.57	-0.06	-0.38	0.05	3.33e-03
36	303	700.00	-7.87	0.58	-0.08	-0.60	0.0	4.98e-03
36	308	340.00	-7.87	0.61	0.08	1.02	-0.04	7.13e-03
36	308	393.33	-9.00	0.57	0.05	0.41	-3.87e-03	4.33e-04
36	308	446.67	-8.76	0.49	0.02	0.13	0.01	5.23e-05
36	308	500.00	-8.16	0.44	0.01	-0.01	0.02	1.38e-04
36	308	550.00	-7.48	0.42	0.01	-0.11	0.03	2.64e-04
36	308	600.00	-6.80	0.41	4.91e-03	-0.19	0.03	6.88e-04
36	308	650.00	-6.15	0.42	-0.04	-0.28	0.03	2.32e-03
36	308	700.00	-5.74	0.42	-0.05	-0.44	0.0	3.16e-03
36	309	340.00	-7.88	0.62	0.08	1.02	-0.04	6.88e-03
36	309	393.33	-9.01	0.57	0.05	0.41	-4.78e-03	2.36e-04
36	309	446.67	-8.78	0.48	0.02	0.14	0.01	4.23e-05
36	309	500.00	-8.19	0.43	0.01	-6.66e-03	0.02	2.01e-04
36	309	550.00	-7.52	0.41	0.01	-0.10	0.03	3.59e-04
36	309	600.00	-6.84	0.40	5.04e-03	-0.18	0.03	8.00e-04
36	309	650.00	-6.19	0.40	-0.04	-0.26	0.03	2.44e-03
36	309	700.00	-5.79	0.41	-0.05	-0.42	0.0	3.25e-03
36	310	340.00	-10.64	0.87	0.12	1.38	-0.06	0.01
36	310	393.33	-12.11	0.81	0.07	0.55	-5.42e-03	6.23e-04
36	310	446.67	-11.81	0.69	0.03	0.18	0.02	1.47e-04
36	310	500.00	-11.01	0.62	0.02	-0.02	0.03	2.50e-04
36	310	550.00	-10.11	0.59	0.02	-0.14	0.05	3.29e-04
36	310	600.00	-9.22	0.57	0.01	-0.25	0.06	8.57e-04
36	310	650.00	-8.36	0.59	-0.06	-0.38	0.04	3.57e-03
36	310	700.00	-7.86	0.60	-0.08	-0.60	0.0	5.14e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-30.02	-3.69	-0.27	-4.15	-0.80	-0.02
			14.29	4.88	1.46	2.95	0.14	0.24

Macro	Tipo	Angolo 1-Z (gradi)
37	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
37	18	340.00	-223.34	16.17	-0.16	70.92	0.01	-0.06
37	18	393.33	-216.61	15.56	-0.15	70.75	-0.16	-9.59e-03
37	18	393.33	-216.61	15.56	-0.15	70.75	-0.16	-9.59e-03
37	18	446.67	-219.56	14.96	0.10	79.12	-0.15	-4.53e-03
37	18	446.67	-219.56	14.96	0.10	79.12	-0.15	-4.53e-03
37	18	500.00	-222.90	14.36	0.27	89.29	-0.02	1.21e-03
37	18	550.00	-225.52	13.77	0.26	99.17	0.12	7.50e-03
37	18	600.00	-227.32	13.43	0.11	108.72	0.22	0.01
37	18	650.00	-219.03	3.37	-0.22	93.41	0.21	4.90e-03
37	18	700.00	-200.54	0.43	-0.39	95.69	3.07e-04	5.73e-03
37	45	340.00	-96.83	-13.01	0.19	51.95	8.13e-03	0.08
37	45	393.33	-93.44	-11.64	0.11	41.08	0.06	-5.67e-03
37	45	393.33	-93.44	-11.64	0.11	41.08	0.06	-5.67e-03
37	45	446.67	-92.89	-10.57	0.07	38.84	0.11	-6.59e-03
37	45	446.67	-92.89	-10.57	0.07	38.84	0.11	-6.59e-03
37	45	500.00	-92.25	-9.47	0.06	37.72	0.16	1.01e-03
37	45	550.00	-91.50	-8.41	0.03	37.51	0.19	1.30e-03
37	45	600.00	-90.69	-7.37	-0.05	37.63	0.19	-1.57e-04

37	45	650.00	-87.09	-6.99	-0.20	32.18	0.14	-3.40e-03
37	45	700.00	-78.31	-6.13	-0.27	34.83	-6.57e-05	5.91e-03
37	52	340.00	-253.48	9.15	-0.19	88.59	0.01	-0.02
37	52	393.33	-246.26	9.22	-0.15	84.13	-0.17	-0.02
37	52	393.33	-246.26	9.22	-0.15	84.13	-0.17	-0.02
37	52	446.67	-249.62	9.16	0.11	91.59	-0.16	-0.01
37	52	446.67	-249.62	9.16	0.11	91.59	-0.16	-0.01
37	52	500.00	-253.52	9.10	0.31	102.12	6.06e-03	2.90e-03
37	52	550.00	-256.45	9.03	0.31	113.08	0.18	0.01
37	52	600.00	-258.49	9.21	0.13	123.90	0.30	0.02
37	52	650.00	-249.41	-1.07	-0.29	107.70	0.27	7.38e-03
37	52	700.00	-228.65	-4.09	-0.52	110.63	9.89e-04	0.01
37	122	340.00	-124.71	132.25	0.23	-91.98	0.07	0.02
37	122	393.33	-134.80	132.44	0.04	-66.45	-7.17e-03	0.02
37	122	393.33	-134.80	132.44	0.04	-66.45	-7.17e-03	0.02
37	122	446.67	-129.63	133.54	0.12	-51.25	0.10	0.01
37	122	446.67	-129.63	133.54	0.12	-51.25	0.10	0.01
37	122	500.00	-139.73	133.15	-0.08	-6.93	0.17	-5.20e-03
37	122	550.00	-147.91	132.06	-0.16	30.03	0.12	-8.13e-03
37	122	600.00	-155.54	130.83	-0.22	70.49	0.01	-4.81e-03
37	122	650.00	-147.08	92.63	-0.16	63.50	-0.09	-0.04
37	122	700.00	-133.69	76.34	0.08	52.33	-0.09	-0.04
37	137	340.00	-209.48	17.52	-1.14	-89.84	-0.24	-0.16
37	137	393.33	-221.65	17.57	-1.02	-63.89	-0.24	-0.15
37	137	393.33	-221.65	17.57	-1.02	-63.89	-0.24	-0.15
37	137	446.67	-217.09	17.44	-0.42	-50.99	-0.72	-0.08
37	137	446.67	-217.09	17.44	-0.42	-50.99	-0.72	-0.08
37	137	500.00	-222.09	17.17	0.84	-13.47	-0.66	0.04
37	137	550.00	-222.81	18.33	1.13	28.21	-0.18	0.10
37	137	600.00	-222.68	20.26	0.89	72.78	0.34	0.12
37	137	650.00	-209.47	-3.60	0.07	84.47	0.59	0.11
37	137	700.00	-200.67	-10.36	-1.06	78.22	0.19	0.06
37	141	340.00	-207.90	27.09	-1.04	-98.24	-0.22	-0.16
37	141	393.33	-221.39	27.13	-0.94	-69.77	-0.21	-0.14
37	141	393.33	-221.39	27.13	-0.94	-69.77	-0.21	-0.14
37	141	446.67	-216.29	27.05	-0.38	-55.87	-0.66	-0.08
37	141	446.67	-216.29	27.05	-0.38	-55.87	-0.66	-0.08
37	141	500.00	-221.85	26.69	0.81	-15.67	-0.61	0.03
37	141	550.00	-223.92	27.71	1.07	29.45	-0.15	0.09
37	141	600.00	-225.21	29.49	0.84	75.95	0.36	0.11
37	141	650.00	-211.62	2.76	0.04	88.62	0.58	0.09
37	141	700.00	-203.26	-5.33	-1.04	81.74	0.19	0.05
37	144	340.00	-70.07	-17.02	0.96	196.54	0.23	0.14
37	144	393.33	-47.83	-16.98	0.84	162.31	0.08	0.13
37	144	393.33	-47.83	-16.98	0.84	162.31	0.08	0.13
37	144	446.67	-55.66	-16.97	0.52	156.40	0.56	0.07
37	144	446.67	-55.66	-16.97	0.52	156.40	0.56	0.07
37	144	500.00	-53.08	-16.67	-0.50	126.47	0.67	-0.03
37	144	550.00	-53.19	-17.75	-0.78	91.79	0.37	-0.08
37	144	600.00	-53.22	-19.35	-0.74	55.55	-0.03	-0.10
37	144	650.00	-56.38	-2.97	-0.37	24.73	-0.30	-0.09
37	144	700.00	-41.45	2.21	0.49	35.06	-0.19	-0.04
37	154	340.00	-122.79	148.06	0.26	-109.21	0.08	0.03
37	154	393.33	-134.65	148.28	0.05	-80.21	1.34e-03	0.03
37	154	393.33	-134.65	148.28	0.05	-80.21	1.34e-03	0.03
37	154	446.67	-128.68	149.52	0.13	-63.64	0.12	0.02
37	154	446.67	-128.68	149.52	0.13	-63.64	0.12	0.02
37	154	500.00	-139.80	149.08	-0.11	-14.56	0.19	-6.08e-03
37	154	550.00	-148.89	147.86	-0.21	26.32	0.12	-9.91e-03
37	154	600.00	-157.42	146.48	-0.26	71.07	-6.12e-03	-6.44e-03
37	154	650.00	-148.55	104.20	-0.15	64.32	-0.12	-0.04
37	154	700.00	-134.94	86.07	0.12	51.56	-0.10	-0.04
37	169	340.00	-218.75	19.00	-1.29	-107.84	-0.27	-0.18
37	169	393.33	-233.02	19.05	-1.15	-78.25	-0.26	-0.16
37	169	393.33	-233.02	19.05	-1.15	-78.25	-0.26	-0.16
37	169	446.67	-227.70	18.91	-0.49	-64.19	-0.81	-0.09
37	169	446.67	-227.70	18.91	-0.49	-64.19	-0.81	-0.09
37	169	500.00	-233.17	18.61	0.93	-22.44	-0.76	0.04
37	169	550.00	-233.85	19.90	1.26	24.00	-0.22	0.11
37	169	600.00	-233.60	22.05	1.00	73.70	0.37	0.14
37	169	650.00	-219.36	-4.17	0.11	88.07	0.65	0.12
37	169	700.00	-210.90	-11.61	-1.17	80.82	0.22	0.07
37	173	340.00	-216.94	29.81	-1.17	-117.27	-0.25	-0.18
37	173	393.33	-232.70	29.85	-1.06	-84.84	-0.23	-0.16
37	173	393.33	-232.70	29.85	-1.06	-84.84	-0.23	-0.16

37	173	446.67	-226.76	29.76	-0.44	-69.67	-0.75	-0.09
37	173	446.67	-226.76	29.76	-0.44	-69.67	-0.75	-0.09
37	173	500.00	-232.86	29.36	0.89	-24.90	-0.69	0.03
37	173	550.00	-235.07	30.50	1.19	25.42	-0.18	0.10
37	173	600.00	-236.41	32.47	0.94	77.27	0.38	0.12
37	173	650.00	-221.77	3.02	0.07	92.74	0.64	0.11
37	173	700.00	-213.80	-5.92	-1.14	84.79	0.21	0.06
37	176	340.00	-61.04	-19.74	1.09	215.58	0.26	0.16
37	176	393.33	-36.52	-19.70	0.96	177.38	0.10	0.15
37	176	393.33	-36.52	-19.70	0.96	177.38	0.10	0.15
37	176	446.67	-45.19	-19.69	0.58	170.19	0.64	0.08
37	176	446.67	-45.19	-19.69	0.58	170.19	0.64	0.08
37	176	500.00	-42.06	-19.34	-0.58	135.71	0.75	-0.03
37	176	550.00	-42.04	-20.54	-0.91	95.83	0.40	-0.09
37	176	600.00	-42.01	-22.33	-0.84	54.23	-0.05	-0.11
37	176	650.00	-46.24	-3.23	-0.40	20.61	-0.35	-0.10
37	176	700.00	-30.90	2.81	0.59	32.01	-0.21	-0.05
37	186	340.00	-122.05	145.97	0.28	-104.65	0.09	0.03
37	186	393.33	-133.41	146.17	0.07	-76.50	6.32e-03	0.03
37	186	393.33	-133.41	146.17	0.07	-76.50	6.32e-03	0.03
37	186	446.67	-127.62	147.40	0.14	-60.22	0.14	0.02
37	186	446.67	-127.62	147.40	0.14	-60.22	0.14	0.02
37	186	500.00	-138.24	146.97	-0.11	-12.75	0.20	-6.83e-03
37	186	550.00	-147.39	145.77	-0.22	27.53	0.12	-0.01
37	186	600.00	-156.13	144.43	-0.27	70.84	-5.38e-03	-8.35e-03
37	186	650.00	-147.26	102.87	-0.16	64.06	-0.12	-0.04
37	186	700.00	-133.60	85.09	0.13	51.56	-0.10	-0.04
37	201	340.00	-220.98	18.52	-1.34	-110.38	-0.28	-0.19
37	201	393.33	-235.25	18.58	-1.19	-80.92	-0.28	-0.17
37	201	393.33	-235.25	18.58	-1.19	-80.92	-0.28	-0.17
37	201	446.67	-229.81	18.43	-0.51	-66.70	-0.84	-0.09
37	201	446.67	-229.81	18.43	-0.51	-66.70	-0.84	-0.09
37	201	500.00	-235.50	18.12	0.95	-24.11	-0.80	0.05
37	201	550.00	-236.18	19.31	1.29	23.32	-0.24	0.11
37	201	600.00	-235.77	21.31	1.03	73.86	0.37	0.14
37	201	650.00	-221.46	-4.82	0.12	88.50	0.66	0.13
37	201	700.00	-212.91	-12.43	-1.19	81.33	0.22	0.07
37	205	340.00	-218.91	29.30	-1.22	-119.35	-0.26	-0.18
37	205	393.33	-234.65	29.34	-1.10	-87.09	-0.25	-0.17
37	205	393.33	-234.65	29.34	-1.10	-87.09	-0.25	-0.17
37	205	446.67	-228.61	29.25	-0.46	-71.78	-0.78	-0.09
37	205	446.67	-228.61	29.25	-0.46	-71.78	-0.78	-0.09
37	205	500.00	-234.89	28.84	0.92	-26.35	-0.73	0.03
37	205	550.00	-237.13	29.87	1.22	24.91	-0.20	0.10
37	205	600.00	-238.39	31.70	0.97	77.39	0.38	0.12
37	205	650.00	-223.68	2.38	0.08	93.16	0.65	0.11
37	205	700.00	-215.66	-6.72	-1.16	85.37	0.22	0.06
37	208	340.00	-59.06	-19.23	1.14	217.66	0.27	0.17
37	208	393.33	-34.57	-19.20	0.99	179.63	0.11	0.15
37	208	393.33	-34.57	-19.20	0.99	179.63	0.11	0.15
37	208	446.67	-43.34	-19.18	0.60	172.31	0.67	0.08
37	208	446.67	-43.34	-19.18	0.60	172.31	0.67	0.08
37	208	500.00	-40.03	-18.82	-0.60	137.15	0.79	-0.03
37	208	550.00	-39.98	-19.91	-0.93	96.34	0.42	-0.09
37	208	600.00	-40.04	-21.56	-0.87	54.11	-0.05	-0.11
37	208	650.00	-44.32	-2.58	-0.41	20.20	-0.36	-0.11
37	208	700.00	-29.05	3.60	0.61	31.43	-0.22	-0.05
37	218	340.00	-118.32	169.07	0.35	-128.27	0.11	0.04
37	218	393.33	-132.11	169.30	0.10	-95.26	0.02	0.03
37	218	393.33	-132.11	169.30	0.10	-95.26	0.02	0.03
37	218	446.67	-125.23	170.73	0.15	-77.06	0.18	0.02
37	218	446.67	-125.23	170.73	0.15	-77.06	0.18	0.02
37	218	500.00	-137.25	170.24	-0.17	-23.11	0.24	-8.76e-03
37	218	550.00	-147.76	168.85	-0.29	22.56	0.13	-0.02
37	218	600.00	-157.90	167.29	-0.34	71.66	-0.04	-0.01
37	218	650.00	-148.50	119.91	-0.16	65.03	-0.17	-0.05
37	218	700.00	-134.47	99.52	0.21	50.26	-0.12	-0.05
37	233	340.00	-236.81	20.65	-1.59	-139.73	-0.34	-0.22
37	233	393.33	-254.30	20.72	-1.40	-104.72	-0.32	-0.20
37	233	393.33	-254.30	20.72	-1.40	-104.72	-0.32	-0.20
37	233	446.67	-247.59	20.54	-0.62	-88.61	-1.00	-0.11
37	233	446.67	-247.59	20.54	-0.62	-88.61	-1.00	-0.11
37	233	500.00	-254.09	20.18	1.10	-39.02	-0.96	0.05
37	233	550.00	-254.67	21.53	1.51	16.34	-0.30	0.14
37	233	600.00	-253.99	23.81	1.21	75.34	0.41	0.16

37	233	650.00	-237.99	-5.99	0.17	94.40	0.76	0.15
37	233	700.00	-229.99	-14.77	-1.36	85.62	0.27	0.09
37	237	340.00	-234.22	33.12	-1.45	-149.76	-0.31	-0.22
37	237	393.33	-253.39	33.16	-1.29	-111.54	-0.29	-0.20
37	237	393.33	-253.39	33.16	-1.29	-111.54	-0.29	-0.20
37	237	446.67	-246.00	33.05	-0.56	-94.18	-0.92	-0.11
37	237	446.67	-246.00	33.05	-0.56	-94.18	-0.92	-0.11
37	237	500.00	-253.17	32.57	1.06	-41.36	-0.88	0.04
37	237	550.00	-255.59	33.74	1.43	18.36	-0.26	0.12
37	237	600.00	-256.89	35.81	1.14	79.46	0.42	0.15
37	237	650.00	-240.43	2.34	0.13	99.85	0.75	0.13
37	237	700.00	-233.09	-8.15	-1.33	90.41	0.26	0.07
37	240	340.00	-43.75	-23.05	1.37	248.07	0.32	0.20
37	240	393.33	-15.83	-23.02	1.19	204.08	0.15	0.18
37	240	393.33	-15.83	-23.02	1.19	204.08	0.15	0.18
37	240	446.67	-25.95	-22.98	0.71	194.70	0.82	0.10
37	240	446.67	-25.95	-22.98	0.71	194.70	0.82	0.10
37	240	500.00	-21.75	-22.55	-0.75	152.17	0.94	-0.04
37	240	550.00	-21.52	-23.78	-1.14	102.89	0.48	-0.11
37	240	600.00	-21.54	-25.67	-1.04	52.03	-0.09	-0.13
37	240	650.00	-27.58	-2.55	-0.46	13.51	-0.46	-0.13
37	240	700.00	-11.62	5.03	0.78	26.39	-0.26	-0.06
37	251	340.00	-158.61	11.04	-0.11	50.37	7.36e-03	-0.04
37	251	393.33	-153.75	10.63	-0.10	49.94	-0.11	-6.70e-03
37	251	393.33	-153.75	10.63	-0.10	49.94	-0.11	-6.70e-03
37	251	446.67	-155.68	10.23	0.07	55.79	-0.10	-3.19e-03
37	251	446.67	-155.68	10.23	0.07	55.79	-0.10	-3.19e-03
37	251	500.00	-157.83	9.83	0.19	62.82	-7.72e-03	8.75e-04
37	251	550.00	-159.48	9.43	0.18	69.68	0.09	5.22e-03
37	251	600.00	-160.56	9.21	0.08	76.30	0.16	7.88e-03
37	251	650.00	-154.56	2.24	-0.16	65.49	0.15	3.33e-03
37	251	700.00	-141.30	0.25	-0.28	67.21	2.10e-04	4.04e-03
37	261	340.00	-103.22	-7.45	0.13	48.09	7.48e-03	0.05
37	261	393.33	-99.67	-6.52	0.06	39.88	0.03	-5.39e-03
37	261	393.33	-99.67	-6.52	0.06	39.88	0.03	-5.39e-03
37	261	446.67	-99.53	-5.82	0.07	39.39	0.06	-5.39e-03
37	261	446.67	-99.53	-5.82	0.07	39.39	0.06	-5.39e-03
37	261	500.00	-99.30	-5.09	0.08	39.87	0.12	8.73e-04
37	261	550.00	-98.90	-4.39	0.06	40.98	0.16	1.87e-03
37	261	600.00	-98.36	-3.67	-0.02	42.28	0.17	1.28e-03
37	261	650.00	-94.39	-4.68	-0.18	36.11	0.13	-1.91e-03
37	261	700.00	-85.13	-4.37	-0.26	38.48	-1.69e-05	5.02e-03
37	268	340.00	-178.71	6.36	-0.12	62.15	7.43e-03	-0.02
37	268	393.33	-173.52	6.41	-0.10	58.86	-0.12	-0.01
37	268	393.33	-173.52	6.41	-0.10	58.86	-0.12	-0.01
37	268	446.67	-175.73	6.36	0.08	64.09	-0.11	-7.93e-03
37	268	446.67	-175.73	6.36	0.08	64.09	-0.11	-7.93e-03
37	268	500.00	-178.24	6.32	0.22	71.38	7.60e-03	2.00e-03
37	268	550.00	-180.10	6.27	0.21	78.95	0.13	8.14e-03
37	268	600.00	-181.34	6.40	0.09	86.42	0.21	0.01
37	268	650.00	-174.81	-0.72	-0.20	75.02	0.19	4.99e-03
37	268	700.00	-160.04	-2.76	-0.36	77.16	6.65e-04	7.51e-03
37	298	340.00	-144.87	5.35	-0.04	51.44	7.58e-03	-8.82e-03
37	298	393.33	-140.36	5.38	-0.06	48.53	-0.07	-6.82e-03
37	298	393.33	-140.36	5.38	-0.06	48.53	-0.07	-6.82e-03
37	298	446.67	-141.88	5.35	0.07	52.74	-0.06	-4.33e-03
37	298	446.67	-141.88	5.35	0.07	52.74	-0.06	-4.33e-03
37	298	500.00	-143.58	5.32	0.16	58.20	0.03	9.60e-04
37	298	550.00	-144.85	5.28	0.15	63.75	0.12	4.50e-03
37	298	600.00	-145.66	5.38	0.05	69.20	0.17	6.22e-03
37	298	650.00	-140.32	-0.11	-0.17	59.74	0.15	1.59e-03
37	298	700.00	-128.27	-1.70	-0.29	61.46	1.97e-04	4.67e-03
37	303	340.00	-139.03	6.10	-0.05	47.89	7.10e-03	-0.01
37	303	393.33	-134.65	6.04	-0.06	45.55	-0.07	-6.30e-03
37	303	393.33	-134.65	6.04	-0.06	45.55	-0.07	-6.30e-03
37	303	446.67	-136.07	5.94	0.07	49.87	-0.06	-3.77e-03
37	303	446.67	-136.07	5.94	0.07	49.87	-0.06	-3.77e-03
37	303	500.00	-137.61	5.84	0.16	55.28	0.02	8.76e-04
37	303	550.00	-138.74	5.73	0.15	60.71	0.10	4.31e-03
37	303	600.00	-139.43	5.76	0.05	66.02	0.16	6.08e-03
37	303	650.00	-134.18	0.36	-0.16	56.90	0.14	1.78e-03
37	303	700.00	-122.53	-1.19	-0.27	58.55	1.87e-04	4.18e-03
37	304	340.00	-103.59	1.05	0.02	37.99	5.92e-03	6.26e-03
37	304	393.33	-100.03	1.26	-6.66e-03	34.14	-0.03	-4.35e-03
37	304	393.33	-100.03	1.26	-6.66e-03	34.14	-0.03	-4.35e-03

37	304	446.67	-100.33	1.38	0.06	36.22	-6.23e-03	-3.07e-03
37	304	446.67	-100.33	1.38	0.06	36.22	-6.23e-03	-3.07e-03
37	304	500.00	-100.48	1.51	0.10	38.87	0.05	6.36e-04
37	304	550.00	-100.41	1.64	0.09	41.68	0.10	2.47e-03
37	304	600.00	-100.10	1.83	0.02	44.48	0.13	3.13e-03
37	304	650.00	-95.78	-0.98	-0.13	37.88	0.11	3.47e-04
37	304	700.00	-86.52	-1.42	-0.21	39.70	5.17e-05	3.23e-03
37	309	340.00	-103.69	3.18	-4.41e-03	35.47	5.53e-03	-5.31e-03
37	309	393.33	-100.12	3.21	-0.02	32.71	-0.04	-4.09e-03
37	309	393.33	-100.12	3.21	-0.02	32.71	-0.04	-4.09e-03
37	309	446.67	-100.53	3.18	0.05	35.43	-0.02	-2.49e-03
37	309	446.67	-100.53	3.18	0.05	35.43	-0.02	-2.49e-03
37	309	500.00	-100.78	3.16	0.10	38.62	0.03	5.77e-04
37	309	550.00	-100.79	3.14	0.09	41.86	0.08	2.62e-03
37	309	600.00	-100.53	3.21	0.03	45.03	0.12	3.59e-03
37	309	650.00	-96.13	-0.06	-0.12	38.32	0.10	9.12e-04
37	309	700.00	-86.87	-0.69	-0.19	40.01	6.88e-05	2.78e-03
37	310	340.00	-138.99	5.04	-0.04	49.15	7.29e-03	-8.32e-03
37	310	393.33	-134.61	5.07	-0.05	46.27	-0.07	-6.43e-03
37	310	393.33	-134.61	5.07	-0.05	46.27	-0.07	-6.43e-03
37	310	446.67	-135.97	5.04	0.07	50.26	-0.05	-4.06e-03
37	310	446.67	-135.97	5.04	0.07	50.26	-0.05	-4.06e-03
37	310	500.00	-137.46	5.01	0.16	55.40	0.03	9.05e-04
37	310	550.00	-138.56	4.98	0.14	60.62	0.11	4.23e-03
37	310	600.00	-139.21	5.07	0.05	65.75	0.16	5.85e-03
37	310	650.00	-134.00	-0.10	-0.17	56.68	0.14	1.49e-03
37	310	700.00	-122.35	-1.56	-0.27	58.40	1.79e-04	4.40e-03

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-258.49	-25.67	-1.59	-149.76	-1.00	-0.22
	-11.62	170.73	1.51	248.07	0.94	0.20

Macro	Tipo	Angolo 1-Z (gradi)
38	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
38	4	0.0	-11.86	0.07	0.41	0.50	0.0	0.11
38	4	50.00	-11.86	0.07	0.41	0.46	0.20	0.15
38	4	100.00	-14.17	0.03	0.25	-0.22	0.33	0.09
38	4	150.00	-15.29	0.04	0.11	-0.60	0.38	0.04
38	4	200.00	-15.86	0.07	-0.01	-0.86	0.38	-7.85e-03
38	4	250.00	-16.27	0.14	-0.14	-1.11	0.31	-0.05
38	4	295.00	-16.86	0.26	-0.29	-1.45	0.18	-0.09
38	4	340.00	-17.93	0.44	-0.42	-1.98	-0.01	-0.09
38	44	0.0	-11.77	0.85	-1.23	1.26	0.0	-0.37
38	44	50.00	-11.77	0.85	-1.23	0.83	-0.62	-0.54
38	44	100.00	-13.46	0.76	-0.76	-0.06	-1.00	-0.32
38	44	150.00	-13.94	0.72	-0.31	-0.61	-1.15	-0.15
38	44	200.00	-13.89	0.70	0.09	-1.02	-1.11	0.02
38	44	250.00	-13.74	0.73	0.49	-1.41	-0.86	0.18
38	44	295.00	-13.90	0.79	0.92	-1.88	-0.45	0.29
38	44	340.00	-14.73	0.89	1.25	-2.56	0.12	0.29
38	69	0.0	-2.20	-0.70	0.01	-1.18	0.0	-3.92e-03
38	69	50.00	-2.20	-0.70	0.01	-0.83	5.52e-03	-5.88e-03
38	69	100.00	-2.99	-0.61	6.25e-03	-0.78	8.65e-03	-4.23e-03
38	69	150.00	-3.63	-0.54	3.63e-03	-0.73	0.01	-3.56e-03
38	69	200.00	-4.20	-0.48	2.03e-03	-0.69	0.01	-3.08e-03
38	69	250.00	-4.81	-0.43	-7.61e-05	-0.69	0.01	-2.54e-03
38	69	295.00	-5.54	-0.37	-4.85e-03	-0.76	9.26e-03	-1.93e-03
38	69	340.00	-6.53	-0.29	-0.01	-0.94	3.89e-03	-1.65e-03
38	123	0.0	10.26	-2.68	0.08	-2.71	0.02	-0.03
38	123	50.00	10.26	-2.68	0.08	-2.77	0.03	-0.03
38	123	100.00	6.86	-2.36	0.02	-2.58	0.05	-0.01
38	123	150.00	4.05	-2.11	-2.71e-03	-2.31	0.05	-3.24e-03
38	123	200.00	1.62	-1.92	3.94e-03	-2.04	0.04	4.29e-03
38	123	250.00	2.47	-1.75	9.59e-03	-2.07	0.02	8.50e-03
38	123	295.00	1.13	-1.57	0.02	-1.77	-0.02	0.01
38	123	340.00	-2.24	-1.35	0.02	-1.82	0.08	0.02
38	132	0.0	-86.13	11.30	3.07e-03	12.24	-0.01	0.01
38	132	50.00	-86.13	11.30	3.07e-03	12.17	-3.53e-03	9.30e-03
38	132	100.00	-76.57	9.90	9.03e-03	9.38	-0.01	-0.02

38	132	150.00	-66.99	8.87	-1.20e-03	7.20	-0.01	-0.02
38	132	200.00	-57.71	8.19	1.49e-03	5.38	-0.01	-0.01
38	132	250.00	-48.93	7.69	-3.67e-04	3.73	-0.01	-0.01
38	132	295.00	-45.65	7.30	-9.23e-03	1.83	-0.03	-6.55e-03
38	132	340.00	-36.67	6.91	-0.02	0.59	-0.01	-2.16e-03
38	137	0.0	71.79	-10.62	0.03	-11.28	3.25e-03	-0.01
38	137	50.00	71.79	-10.62	0.03	-11.35	0.01	-0.02
38	137	100.00	60.01	-9.30	6.06e-03	-9.54	0.03	-0.01
38	137	150.00	49.65	-8.31	-1.19e-03	-7.94	0.03	-0.01
38	137	200.00	40.23	-7.64	-0.05	-6.52	0.04	-0.01
38	137	250.00	31.45	-7.11	-0.05	-5.24	0.02	-8.33e-03
38	137	295.00	28.50	-6.64	-0.07	-3.75	0.01	-5.68e-03
38	137	340.00	17.47	-6.10	-0.03	-3.26	-0.03	8.37e-04
38	140	0.0	-86.32	10.90	7.59e-03	12.14	-3.25e-03	9.72e-03
38	140	50.00	-86.32	10.90	7.59e-03	12.08	4.99e-03	8.30e-03
38	140	100.00	-77.12	9.52	0.01	9.38	-1.77e-03	8.92e-03
38	140	150.00	-67.90	8.52	0.02	7.27	1.65e-04	7.72e-03
38	140	200.00	-58.94	7.87	0.06	5.51	1.57e-03	9.65e-03
38	140	250.00	-50.42	7.41	0.06	3.91	0.03	7.98e-03
38	140	295.00	-47.97	7.06	0.06	1.99	0.03	6.67e-03
38	140	340.00	-38.03	6.70	-4.44e-03	0.85	0.05	-1.50e-03
38	155	0.0	12.63	-3.05	0.09	-3.12	0.02	-0.04
38	155	50.00	12.63	-3.05	0.09	-3.19	0.03	-0.04
38	155	100.00	8.93	-2.69	0.03	-2.91	0.05	-0.01
38	155	150.00	5.82	-2.40	-3.80e-03	-2.58	0.05	-3.47e-03
38	155	200.00	3.10	-2.19	3.62e-03	-2.25	0.04	4.92e-03
38	155	250.00	4.06	-2.00	0.01	-2.26	0.02	9.54e-03
38	155	295.00	2.56	-1.80	0.02	-1.89	-0.03	0.01
38	155	340.00	-1.19	-1.57	0.03	-1.90	0.09	0.02
38	164	0.0	-96.63	12.79	9.91e-04	13.81	-0.01	0.01
38	164	50.00	-96.63	12.79	9.91e-04	13.74	-5.06e-03	0.01
38	164	100.00	-85.63	11.20	9.02e-03	10.64	-0.02	-0.02
38	164	150.00	-74.70	10.04	-2.20e-03	8.21	-0.02	-0.02
38	164	200.00	-64.15	9.26	1.04e-03	6.16	-0.02	-0.01
38	164	250.00	-54.18	8.69	-6.52e-04	4.31	-0.02	-0.01
38	164	295.00	-50.41	8.24	-9.54e-03	2.19	-0.04	-7.45e-03
38	164	340.00	-40.15	7.78	-0.02	0.83	-0.01	-2.36e-03
38	169	0.0	82.19	-12.03	0.03	-12.82	3.71e-03	-0.02
38	169	50.00	82.19	-12.03	0.03	-12.89	0.01	-0.02
38	169	100.00	69.04	-10.54	5.62e-03	-10.79	0.03	-0.01
38	169	150.00	57.39	-9.42	-2.28e-03	-8.94	0.04	-0.01
38	169	200.00	46.76	-8.66	-0.06	-7.31	0.04	-0.01
38	169	250.00	36.84	-8.06	-0.06	-5.85	0.02	-9.31e-03
38	169	295.00	33.52	-7.54	-0.08	-4.13	0.01	-6.41e-03
38	169	340.00	21.10	-6.94	-0.03	-3.53	-0.03	9.88e-04
38	172	0.0	-96.72	12.31	6.26e-03	13.69	-3.71e-03	0.01
38	172	50.00	-96.72	12.31	6.26e-03	13.62	4.53e-03	9.84e-03
38	172	100.00	-86.15	10.75	0.01	10.62	-3.69e-03	0.01
38	172	150.00	-75.63	9.62	0.02	8.27	-1.91e-03	8.86e-03
38	172	200.00	-65.46	8.89	0.07	6.30	-6.58e-04	0.01
38	172	250.00	-55.81	8.36	0.07	4.51	0.03	8.96e-03
38	172	295.00	-52.99	7.96	0.07	2.37	0.03	7.39e-03
38	172	340.00	-41.65	7.54	-2.66e-03	1.12	0.05	-1.66e-03
38	187	0.0	13.59	-3.18	0.09	-3.26	0.02	-0.04
38	187	50.00	13.59	-3.18	0.09	-3.33	0.03	-0.03
38	187	100.00	9.76	-2.80	0.03	-3.02	0.06	-0.01
38	187	150.00	6.53	-2.50	-2.49e-03	-2.67	0.05	-3.37e-03
38	187	200.00	3.70	-2.28	2.77e-03	-2.32	0.04	4.72e-03
38	187	250.00	4.56	-2.09	9.68e-03	-2.31	0.02	9.03e-03
38	187	295.00	2.97	-1.89	0.02	-1.92	-0.03	0.01
38	187	340.00	-0.95	-1.65	0.03	-1.92	0.09	0.02
38	193	0.0	85.53	-12.98	0.03	-13.46	0.01	-0.02
38	193	50.00	85.53	-12.98	0.03	-13.52	0.02	-0.02
38	193	100.00	71.48	-11.39	0.01	-11.21	0.04	0.02
38	193	150.00	58.97	-10.20	0.02	-9.20	0.05	0.02
38	193	200.00	47.56	-9.37	9.73e-03	-7.43	0.06	0.01
38	193	250.00	36.92	-8.70	5.48e-03	-5.84	0.06	0.01
38	193	295.00	32.37	-8.11	-2.53e-03	-4.07	0.07	8.43e-03
38	193	340.00	20.45	-7.45	-0.02	-3.32	0.03	1.62e-03
38	196	0.0	-100.05	13.25	-1.79e-03	14.32	-0.01	0.01
38	196	50.00	-100.05	13.25	-1.79e-03	14.25	-5.34e-03	0.01
38	196	100.00	-88.59	11.61	9.82e-03	11.05	-0.02	-0.02
38	196	150.00	-77.22	10.40	-1.67e-03	8.53	-0.02	-0.02
38	196	200.00	-66.26	9.60	1.78e-03	6.41	-0.02	-0.01
38	196	250.00	-55.89	9.00	4.71e-04	4.50	-0.02	-0.01

38	196	295.00	-51.84	8.53	-8.17e-03	2.31	-0.03	-7.44e-03
38	196	340.00	-41.01	8.05	-0.02	0.91	-0.01	-2.29e-03
38	219	0.0	18.02	-3.87	0.10	-4.03	0.02	-0.04
38	219	50.00	18.02	-3.87	0.10	-4.09	0.03	-0.04
38	219	100.00	13.64	-3.40	0.03	-3.63	0.06	-0.02
38	219	150.00	9.85	-3.04	-4.03e-03	-3.15	0.06	-3.69e-03
38	219	200.00	6.47	-2.78	2.20e-03	-2.69	0.05	5.66e-03
38	219	250.00	7.43	-2.55	0.01	-2.64	0.03	0.01
38	219	295.00	5.54	-2.32	0.03	-2.13	-0.03	0.01
38	219	340.00	0.91	-2.05	0.03	-2.06	0.10	0.02
38	225	0.0	104.54	-15.65	0.04	-16.30	0.02	-0.02
38	225	50.00	104.54	-15.65	0.04	-16.37	0.02	-0.02
38	225	100.00	87.88	-13.74	9.98e-03	-13.49	0.05	0.02
38	225	150.00	72.93	-12.30	0.02	-11.02	0.06	0.02
38	225	200.00	59.22	-11.30	0.01	-8.84	0.06	0.01
38	225	250.00	46.44	-10.51	5.34e-03	-6.89	0.07	0.01
38	225	295.00	40.94	-9.81	-2.70e-03	-4.73	0.08	9.89e-03
38	225	340.00	26.64	-9.04	-0.02	-3.76	0.04	2.05e-03
38	228	0.0	-119.07	15.93	-6.83e-03	17.16	-0.02	0.02
38	228	50.00	-119.07	15.93	-6.83e-03	17.09	-8.09e-03	0.01
38	228	100.00	-104.99	13.96	9.95e-03	13.33	-0.02	-0.03
38	228	150.00	-91.18	12.50	-3.11e-03	10.35	-0.03	-0.02
38	228	200.00	-77.93	11.53	1.47e-03	7.83	-0.02	-0.02
38	228	250.00	-65.41	10.81	6.20e-04	5.56	-0.02	-0.01
38	228	295.00	-60.41	10.23	-8.00e-03	2.97	-0.04	-8.91e-03
38	228	340.00	-47.19	9.64	-0.02	1.35	-0.02	-2.72e-03
38	244	0.0	-8.53	0.05	0.27	0.37	0.0	0.07
38	244	50.00	-8.53	0.05	0.27	0.35	0.14	0.10
38	244	100.00	-10.17	0.03	0.17	-0.15	0.22	0.06
38	244	150.00	-10.96	0.03	0.07	-0.42	0.26	0.03
38	244	200.00	-11.35	0.05	-8.03e-03	-0.60	0.25	-5.30e-03
38	244	250.00	-11.62	0.10	-0.09	-0.78	0.21	-0.04
38	244	295.00	-12.02	0.19	-0.19	-1.02	0.12	-0.06
38	244	340.00	-12.76	0.31	-0.28	-1.40	-6.16e-03	-0.06
38	264	0.0	-8.47	0.58	-0.82	0.88	0.0	-0.25
38	264	50.00	-8.47	0.58	-0.82	0.59	-0.41	-0.36
38	264	100.00	-9.70	0.52	-0.51	-0.04	-0.66	-0.21
38	264	150.00	-10.06	0.48	-0.21	-0.43	-0.77	-0.10
38	264	200.00	-10.03	0.47	0.06	-0.71	-0.74	0.01
38	264	250.00	-9.93	0.49	0.33	-0.98	-0.57	0.12
38	264	295.00	-10.05	0.54	0.61	-1.31	-0.30	0.20
38	264	340.00	-10.63	0.61	0.83	-1.78	0.08	0.19
38	273	0.0	-3.57	-0.43	0.01	-0.65	0.0	-3.27e-03
38	273	50.00	-3.57	-0.43	0.01	-0.44	5.79e-03	-4.86e-03
38	273	100.00	-4.46	-0.38	6.65e-03	-0.53	9.12e-03	-3.34e-03
38	273	150.00	-5.04	-0.33	4.18e-03	-0.57	0.01	-2.73e-03
38	273	200.00	-5.48	-0.29	2.76e-03	-0.59	0.01	-2.28e-03
38	273	250.00	-5.91	-0.25	6.67e-04	-0.63	0.01	-1.77e-03
38	273	295.00	-6.46	-0.19	-4.53e-03	-0.74	0.01	-1.22e-03
38	273	340.00	-7.25	-0.11	-0.01	-0.95	5.23e-03	-1.23e-03
38	298	0.0	-7.50	0.14	0.02	0.44	0.0	-2.60e-03
38	298	50.00	-7.50	0.14	0.02	0.37	8.69e-03	-3.68e-03
38	298	100.00	-8.84	0.11	0.01	-0.09	0.01	-2.03e-03
38	298	150.00	-9.44	0.11	7.63e-03	-0.35	0.02	-1.33e-03
38	298	200.00	-9.68	0.12	6.12e-03	-0.53	0.02	-8.20e-04
38	298	250.00	-9.82	0.16	3.17e-03	-0.70	0.02	-1.62e-04
38	298	295.00	-10.09	0.22	-5.68e-03	-0.92	0.02	5.50e-04
38	298	340.00	-10.67	0.32	-0.02	-1.26	0.01	-3.26e-04
38	305	0.0	-7.36	0.22	-0.15	0.51	0.0	-0.05
38	305	50.00	-7.36	0.22	-0.15	0.40	-0.08	-0.07
38	305	100.00	-8.62	0.19	-0.09	-0.07	-0.12	-0.04
38	305	150.00	-9.13	0.17	-0.04	-0.34	-0.14	-0.02
38	305	200.00	-9.30	0.18	0.02	-0.53	-0.13	2.10e-03
38	305	250.00	-9.38	0.21	0.07	-0.72	-0.10	0.02
38	305	295.00	-9.59	0.27	0.12	-0.94	-0.04	0.04
38	305	340.00	-10.13	0.35	0.15	-1.29	0.02	0.04
38	306	0.0	-5.37	-6.01e-03	0.01	0.17	0.0	-2.08e-03
38	306	50.00	-5.37	-6.01e-03	0.01	0.18	5.62e-03	-2.99e-03
38	306	100.00	-6.35	-0.02	6.51e-03	-0.12	8.88e-03	-1.79e-03
38	306	150.00	-6.80	-0.01	4.48e-03	-0.29	0.01	-1.31e-03
38	306	200.00	-7.01	9.86e-04	3.43e-03	-0.40	0.01	-9.67e-04
38	306	250.00	-7.15	0.03	1.60e-03	-0.50	0.01	-5.61e-04
38	306	295.00	-7.37	0.08	-3.61e-03	-0.64	0.01	-1.34e-04
38	306	340.00	-7.80	0.15	-0.01	-0.87	6.57e-03	-5.50e-04
38	309	0.0	-5.82	0.10	0.01	0.38	0.0	-1.79e-03

38	309	50.00	-5.82	0.10	0.01	0.33	5.58e-03	-2.52e-03
38	309	100.00	-6.82	0.07	6.48e-03	-0.02	8.82e-03	-1.40e-03
38	309	150.00	-7.25	0.07	4.56e-03	-0.22	0.01	-9.52e-04
38	309	200.00	-7.39	0.07	3.60e-03	-0.35	0.01	-6.38e-04
38	309	250.00	-7.46	0.10	1.83e-03	-0.47	0.01	-2.58e-04
38	309	295.00	-7.59	0.14	-3.38e-03	-0.62	0.01	1.37e-04
38	309	340.00	-7.94	0.21	-0.01	-0.85	6.90e-03	-3.79e-04
38	310	0.0	-7.26	0.14	0.02	0.43	0.0	-2.49e-03
38	310	50.00	-7.26	0.14	0.02	0.36	8.24e-03	-3.51e-03
38	310	100.00	-8.56	0.11	9.96e-03	-0.08	0.01	-1.94e-03
38	310	150.00	-9.12	0.10	7.19e-03	-0.33	0.02	-1.28e-03
38	310	200.00	-9.35	0.11	5.76e-03	-0.51	0.02	-7.94e-04
38	310	250.00	-9.48	0.15	2.98e-03	-0.67	0.02	-1.76e-04
38	310	295.00	-9.73	0.21	-5.35e-03	-0.88	0.02	4.91e-04
38	310	340.00	-10.28	0.30	-0.02	-1.21	0.01	-3.34e-04

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-119.07	-15.65	-1.23	-16.37	-1.15	-0.54
			104.54	15.93	1.25	17.16	0.38	0.29

Macro	Tipo	Angolo 1-Z (gradi)
39	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
39	3	340.00	-52.41	-3.30	0.13	-5.10	-0.10	-0.02
39	3	393.33	-57.72	-2.96	0.08	-1.63	-0.04	2.94e-03
39	3	446.67	-55.60	-2.69	0.07	-0.74	-5.59e-04	3.55e-03
39	3	500.00	-52.90	-2.58	0.10	-0.12	0.04	3.66e-03
39	3	550.00	-50.50	-2.54	0.16	0.46	0.11	6.07e-03
39	3	600.00	-48.62	-2.55	0.13	1.21	0.20	3.43e-03
39	3	650.00	-45.74	-2.65	-0.21	1.65	0.13	-0.01
39	3	700.00	-42.89	-2.69	-0.24	2.14	0.0	-0.02
39	28	340.00	-57.66	-3.28	0.03	-5.42	-0.06	-0.01
39	28	393.33	-63.52	-2.99	0.03	-1.77	-0.05	6.01e-03
39	28	446.67	-61.24	-2.84	0.05	-0.87	-0.03	5.56e-03
39	28	500.00	-58.27	-2.84	0.08	-0.24	7.65e-03	4.55e-03
39	28	550.00	-55.56	-2.86	0.14	0.38	0.06	5.33e-03
39	28	600.00	-53.32	-2.93	0.12	1.18	0.14	1.82e-03
39	28	650.00	-50.05	-3.07	-0.15	1.69	0.09	-0.01
39	28	700.00	-46.87	-3.12	-0.18	2.29	0.0	-0.02
39	52	340.00	-57.51	-3.57	0.11	-5.50	-0.09	-0.02
39	52	393.33	-63.27	-3.23	0.07	-1.74	-0.04	3.67e-03
39	52	446.67	-60.90	-2.99	0.07	-0.77	-6.25e-03	4.19e-03
39	52	500.00	-57.88	-2.91	0.10	-0.10	0.04	4.20e-03
39	52	550.00	-55.19	-2.89	0.16	0.56	0.10	6.48e-03
39	52	600.00	-53.04	-2.93	0.14	1.40	0.20	3.50e-03
39	52	650.00	-49.82	-3.06	-0.21	1.92	0.12	-0.01
39	52	700.00	-46.68	-3.11	-0.24	2.54	0.0	-0.02
39	69	340.00	-21.75	-1.34	0.04	-1.97	-0.03	-6.68e-03
39	69	393.33	-23.91	-1.23	0.03	-0.55	-0.01	6.52e-04
39	69	446.67	-22.85	-1.15	0.02	-0.18	1.57e-03	1.11e-03
39	69	500.00	-21.55	-1.13	0.04	0.08	0.02	1.45e-03
39	69	550.00	-20.39	-1.12	0.06	0.34	0.04	2.56e-03
39	69	600.00	-19.45	-1.14	0.05	0.68	0.07	1.62e-03
39	69	650.00	-18.11	-1.21	-0.08	0.90	0.05	-4.49e-03
39	69	700.00	-16.81	-1.23	-0.09	1.17	0.0	-5.24e-03
39	121	340.00	-17.71	-2.24	1.12	-1.39	-0.47	-0.14
39	121	393.33	-20.94	-2.07	1.10	0.61	-0.45	-0.04
39	121	446.67	-20.48	-1.97	0.35	0.73	-0.05	-0.02
39	121	500.00	-20.05	-1.87	0.29	0.71	0.11	1.37e-03
39	121	550.00	-19.40	-1.82	0.52	0.74	0.32	0.03
39	121	600.00	-17.51	-1.81	0.79	0.82	0.66	0.04
39	121	650.00	-14.77	-1.86	-0.58	1.36	0.68	-0.01
39	121	700.00	-14.89	-1.91	-1.12	2.22	0.25	-0.02
39	122	340.00	-11.49	1.45	0.91	-2.82	-0.44	-0.12
39	122	393.33	-14.72	1.63	0.90	-0.82	-0.42	-0.04
39	122	446.67	-15.32	1.57	0.37	-0.48	-0.08	-0.01
39	122	500.00	-15.11	1.55	0.28	-0.27	0.09	3.22e-03
39	122	550.00	-15.10	1.49	0.47	-0.20	0.28	0.02
39	122	600.00	-15.29	1.38	0.71	-0.47	0.59	0.03
39	122	650.00	-18.16	1.26	-0.52	-0.51	0.60	-0.02

39	122	700.00	-19.40	1.20	-1.00	-0.34	0.22	-0.03
39	123	340.00	-50.49	-5.04	-0.81	-3.02	0.35	0.10
39	123	393.33	-53.72	-4.87	-0.82	-1.02	0.37	0.04
39	123	446.67	-50.66	-4.55	-0.30	-0.36	0.07	0.02
39	123	500.00	-47.70	-4.45	-0.18	0.12	-0.06	1.20e-03
39	123	550.00	-44.87	-4.36	-0.30	0.71	-0.18	-0.02
39	123	600.00	-42.41	-4.29	-0.57	1.83	-0.39	-0.03
39	123	650.00	-36.12	-4.29	0.31	2.37	-0.48	5.33e-03
39	123	700.00	-31.41	-4.28	0.76	2.76	-0.22	9.40e-03
39	139	340.00	-45.76	-8.59	-2.83e-03	-0.85	-9.26e-03	-0.01
39	139	393.33	-48.99	-8.41	-0.02	1.15	0.01	-9.10e-04
39	139	446.67	-45.51	-8.02	0.04	1.36	0.02	-2.53e-03
39	139	500.00	-43.11	-7.76	0.07	1.38	0.04	-8.95e-04
39	139	550.00	-40.00	-7.55	0.12	1.75	0.09	4.12e-03
39	139	600.00	-34.77	-7.38	0.11	2.91	0.15	6.42e-03
39	139	650.00	-24.16	-7.34	-0.15	4.17	0.11	9.07e-04
39	139	700.00	-20.41	-7.27	-0.20	5.61	0.02	5.72e-04
39	153	340.00	-16.10	-2.32	1.25	-1.20	-0.52	-0.16
39	153	393.33	-19.33	-2.14	1.23	0.81	-0.50	-0.05
39	153	446.67	-18.96	-2.05	0.39	0.88	-0.06	-0.02
39	153	500.00	-18.67	-1.94	0.32	0.80	0.13	1.27e-03
39	153	550.00	-18.12	-1.88	0.58	0.80	0.35	0.03
39	153	600.00	-16.11	-1.87	0.88	0.84	0.73	0.04
39	153	650.00	-13.24	-1.92	-0.64	1.42	0.76	-0.01
39	153	700.00	-13.58	-1.97	-1.25	2.35	0.28	-0.02
39	154	340.00	-9.03	1.87	1.02	-2.81	-0.49	-0.14
39	154	393.33	-12.26	2.05	1.00	-0.81	-0.47	-0.04
39	154	446.67	-13.09	1.96	0.41	-0.49	-0.09	-0.02
39	154	500.00	-13.05	1.93	0.31	-0.30	0.10	3.35e-03
39	154	550.00	-13.22	1.86	0.52	-0.26	0.31	0.02
39	154	600.00	-13.59	1.74	0.79	-0.62	0.65	0.04
39	154	650.00	-17.05	1.62	-0.57	-0.69	0.67	-0.02
39	154	700.00	-18.67	1.56	-1.11	-0.55	0.25	-0.03
39	155	340.00	-52.94	-5.46	-0.91	-3.03	0.40	0.12
39	155	393.33	-56.17	-5.28	-0.93	-1.03	0.42	0.05
39	155	446.67	-52.88	-4.95	-0.34	-0.35	0.08	0.02
39	155	500.00	-49.76	-4.83	-0.21	0.14	-0.07	1.07e-03
39	155	550.00	-46.75	-4.73	-0.35	0.77	-0.21	-0.02
39	155	600.00	-44.11	-4.65	-0.65	1.98	-0.45	-0.03
39	155	650.00	-37.23	-4.65	0.36	2.56	-0.55	6.91e-03
39	155	700.00	-32.15	-4.63	0.87	2.96	-0.25	0.01
39	171	340.00	-47.67	-9.47	-8.67e-03	-0.59	-4.96e-03	-0.01
39	171	393.33	-50.90	-9.29	-0.02	1.41	0.02	-1.40e-03
39	171	446.67	-47.14	-8.87	0.04	1.59	0.02	-3.20e-03
39	171	500.00	-44.65	-8.59	0.07	1.56	0.05	-1.27e-03
39	171	550.00	-41.32	-8.35	0.12	1.94	0.09	4.31e-03
39	171	600.00	-35.52	-8.15	0.12	3.20	0.16	7.16e-03
39	171	650.00	-23.78	-8.11	-0.16	4.59	0.12	1.96e-03
39	171	700.00	-19.77	-8.02	-0.22	6.18	0.02	1.74e-03
39	185	340.00	-16.58	-2.42	1.23	-1.21	-0.51	-0.16
39	185	393.33	-19.81	-2.24	1.21	0.80	-0.49	-0.05
39	185	446.67	-19.41	-2.15	0.39	0.87	-0.06	-0.02
39	185	500.00	-19.11	-2.03	0.32	0.80	0.13	1.28e-03
39	185	550.00	-18.52	-1.97	0.57	0.79	0.35	0.03
39	185	600.00	-16.39	-1.96	0.87	0.87	0.72	0.04
39	185	650.00	-13.43	-2.00	-0.63	1.47	0.75	-0.01
39	185	700.00	-13.70	-2.05	-1.23	2.41	0.28	-0.02
39	186	340.00	-9.17	1.92	1.01	-2.83	-0.48	-0.14
39	186	393.33	-12.40	2.10	0.99	-0.83	-0.46	-0.04
39	186	446.67	-13.21	2.01	0.40	-0.50	-0.09	-0.02
39	186	500.00	-13.13	1.98	0.30	-0.30	0.10	3.30e-03
39	186	550.00	-13.30	1.90	0.51	-0.25	0.31	0.02
39	186	600.00	-13.77	1.78	0.78	-0.62	0.64	0.03
39	186	650.00	-17.24	1.65	-0.56	-0.72	0.66	-0.02
39	186	700.00	-18.83	1.60	-1.09	-0.59	0.24	-0.03
39	187	340.00	-52.81	-5.51	-0.90	-3.02	0.39	0.12
39	187	393.33	-56.04	-5.33	-0.92	-1.01	0.42	0.04
39	187	446.67	-52.76	-4.99	-0.34	-0.34	0.08	0.02
39	187	500.00	-49.68	-4.88	-0.20	0.14	-0.06	1.12e-03
39	187	550.00	-46.67	-4.78	-0.34	0.76	-0.20	-0.02
39	187	600.00	-43.93	-4.69	-0.64	1.98	-0.44	-0.03
39	187	650.00	-37.04	-4.69	0.35	2.58	-0.54	6.78e-03
39	187	700.00	-31.98	-4.67	0.85	3.00	-0.24	0.01
39	195	340.00	-48.24	-9.70	0.19	-0.47	4.49e-03	-0.02
39	195	393.33	-51.47	-9.52	0.17	1.53	0.03	2.11e-03

39	195	446.67	-47.61	-9.05	-0.07	1.72	0.07	3.46e-04
39	195	500.00	-45.15	-8.75	0.03	1.68	0.04	-2.32e-03
39	195	550.00	-42.07	-8.49	0.09	2.02	0.07	5.35e-03
39	195	600.00	-36.55	-8.26	0.06	3.29	0.11	6.28e-03
39	195	650.00	-23.95	-8.18	-0.12	4.65	0.07	5.87e-03
39	195	700.00	-19.90	-8.06	-0.14	6.17	3.29e-03	5.22e-03
39	217	340.00	-14.42	-2.62	1.42	-0.90	-0.59	-0.18
39	217	393.33	-17.65	-2.44	1.40	1.10	-0.56	-0.05
39	217	446.67	-17.36	-2.34	0.45	1.10	-0.07	-0.02
39	217	500.00	-17.27	-2.21	0.36	0.95	0.14	1.11e-03
39	217	550.00	-16.79	-2.14	0.65	0.90	0.40	0.03
39	217	600.00	-14.42	-2.12	1.00	0.93	0.82	0.05
39	217	650.00	-11.14	-2.16	-0.72	1.60	0.86	-0.02
39	217	700.00	-11.70	-2.21	-1.41	2.68	0.32	-0.02
39	218	340.00	-5.48	2.61	1.16	-2.85	-0.55	-0.16
39	218	393.33	-8.71	2.79	1.15	-0.84	-0.53	-0.05
39	218	446.67	-9.87	2.67	0.46	-0.54	-0.11	-0.02
39	218	500.00	-10.03	2.62	0.34	-0.35	0.11	3.49e-03
39	218	550.00	-10.47	2.53	0.58	-0.35	0.35	0.03
39	218	600.00	-11.28	2.38	0.89	-0.86	0.72	0.04
39	218	650.00	-15.70	2.24	-0.63	-1.03	0.76	-0.02
39	218	700.00	-17.86	2.18	-1.24	-0.94	0.28	-0.03
39	219	340.00	-56.50	-6.20	-1.06	-3.00	0.46	0.14
39	219	393.33	-59.73	-6.02	-1.07	-1.00	0.49	0.05
39	219	446.67	-56.10	-5.65	-0.39	-0.30	0.10	0.02
39	219	500.00	-52.78	-5.52	-0.24	0.19	-0.08	9.28e-04
39	219	550.00	-49.50	-5.40	-0.41	0.86	-0.25	-0.02
39	219	600.00	-46.42	-5.29	-0.75	2.22	-0.53	-0.04
39	219	650.00	-38.58	-5.28	0.42	2.89	-0.63	9.20e-03
39	219	700.00	-32.96	-5.25	1.01	3.35	-0.28	0.01
39	227	340.00	-51.59	-11.29	0.21	0.02	0.01	-0.02
39	227	393.33	-54.82	-11.11	0.19	2.02	0.04	2.12e-03
39	227	446.67	-50.46	-10.58	-0.08	2.14	0.08	5.18e-05
39	227	500.00	-47.84	-10.22	0.02	2.03	0.05	-3.13e-03
39	227	550.00	-44.45	-9.91	0.09	2.36	0.07	6.04e-03
39	227	600.00	-37.98	-9.63	0.06	3.80	0.12	7.62e-03
39	227	650.00	-23.25	-9.52	-0.13	5.39	0.08	8.48e-03
39	227	700.00	-18.74	-9.38	-0.14	7.18	4.98e-03	7.89e-03
39	243	340.00	-36.86	-2.28	0.09	-3.57	-0.07	-0.01
39	243	393.33	-40.63	-2.05	0.06	-1.14	-0.03	2.14e-03
39	243	446.67	-39.14	-1.87	0.05	-0.51	-4.43e-04	2.52e-03
39	243	500.00	-37.24	-1.79	0.07	-0.08	0.03	2.57e-03
39	243	550.00	-35.56	-1.76	0.11	0.33	0.07	4.20e-03
39	243	600.00	-34.24	-1.77	0.09	0.85	0.14	2.32e-03
39	243	650.00	-32.21	-1.84	-0.14	1.15	0.09	-9.06e-03
39	243	700.00	-30.20	-1.86	-0.17	1.49	0.0	-0.01
39	256	340.00	-40.36	-2.28	0.02	-3.78	-0.04	-7.55e-03
39	256	393.33	-44.50	-2.07	0.02	-1.22	-0.03	4.18e-03
39	256	446.67	-42.90	-1.97	0.03	-0.60	-0.02	3.86e-03
39	256	500.00	-40.82	-1.96	0.06	-0.16	6.11e-03	3.16e-03
39	256	550.00	-38.93	-1.97	0.10	0.27	0.04	3.71e-03
39	256	600.00	-37.37	-2.02	0.09	0.83	0.10	1.24e-03
39	256	650.00	-35.09	-2.12	-0.11	1.18	0.06	-9.00e-03
39	256	700.00	-32.85	-2.15	-0.12	1.59	0.0	-0.01
39	268	340.00	-40.26	-2.47	0.07	-3.83	-0.06	-0.01
39	268	393.33	-44.32	-2.23	0.05	-1.20	-0.03	2.63e-03
39	268	446.67	-42.67	-2.07	0.05	-0.53	-4.24e-03	2.94e-03
39	268	500.00	-40.57	-2.01	0.07	-0.07	0.03	2.92e-03
39	268	550.00	-38.69	-2.00	0.11	0.39	0.07	4.47e-03
39	268	600.00	-37.19	-2.02	0.10	0.98	0.14	2.36e-03
39	268	650.00	-34.93	-2.12	-0.14	1.33	0.09	-9.43e-03
39	268	700.00	-32.72	-2.15	-0.16	1.75	0.0	-0.01
39	273	340.00	-22.67	-1.32	0.04	-2.06	-0.03	-6.46e-03
39	273	393.33	-25.01	-1.20	0.03	-0.59	-0.01	1.16e-03
39	273	446.67	-24.01	-1.12	0.02	-0.22	4.70e-04	1.38e-03
39	273	500.00	-22.75	-1.09	0.04	0.04	0.02	1.53e-03
39	273	550.00	-21.63	-1.09	0.06	0.30	0.04	2.46e-03
39	273	600.00	-20.73	-1.10	0.05	0.63	0.07	1.32e-03
39	273	650.00	-19.41	-1.16	-0.08	0.84	0.04	-4.91e-03
39	273	700.00	-18.08	-1.18	-0.09	1.07	0.0	-5.58e-03
39	298	340.00	-32.55	-1.91	0.06	-3.09	-0.05	-0.01
39	298	393.33	-35.92	-1.72	0.04	-0.98	-0.02	2.46e-03
39	298	446.67	-34.61	-1.59	0.04	-0.45	-4.72e-03	2.53e-03
39	298	500.00	-32.94	-1.54	0.05	-0.09	0.02	2.33e-03
39	298	550.00	-31.44	-1.53	0.09	0.27	0.05	3.36e-03

39	298	600.00	-30.23	-1.55	0.07	0.72	0.10	1.56e-03
39	298	650.00	-28.43	-1.62	-0.11	0.98	0.07	-7.68e-03
39	298	700.00	-26.61	-1.64	-0.13	1.28	0.0	-9.27e-03
39	303	340.00	-30.87	-1.81	0.06	-2.92	-0.05	-0.01
39	303	393.33	-34.09	-1.62	0.04	-0.92	-0.02	2.20e-03
39	303	446.67	-32.87	-1.49	0.04	-0.41	-2.34e-03	2.29e-03
39	303	500.00	-31.31	-1.44	0.05	-0.07	0.02	2.17e-03
39	303	550.00	-29.91	-1.42	0.09	0.26	0.05	3.23e-03
39	303	600.00	-28.80	-1.43	0.07	0.69	0.10	1.54e-03
39	303	650.00	-27.11	-1.49	-0.11	0.94	0.06	-7.38e-03
39	303	700.00	-25.39	-1.51	-0.12	1.20	0.0	-8.85e-03
39	306	340.00	-21.84	-1.15	0.03	-1.97	-0.03	-5.36e-03
39	306	393.33	-24.23	-1.03	0.02	-0.58	-0.01	1.78e-03
39	306	446.67	-23.40	-0.95	0.02	-0.24	-1.02e-03	1.64e-03
39	306	500.00	-22.32	-0.92	0.03	-0.01	0.01	1.48e-03
39	306	550.00	-21.35	-0.91	0.05	0.21	0.03	2.04e-03
39	306	600.00	-20.58	-0.93	0.04	0.50	0.06	7.36e-04
39	306	650.00	-19.41	-0.97	-0.07	0.67	0.04	-5.00e-03
39	306	700.00	-18.14	-0.98	-0.07	0.82	0.0	-5.40e-03
39	309	340.00	-21.63	-1.11	0.03	-1.95	-0.03	-5.09e-03
39	309	393.33	-24.04	-0.99	0.02	-0.58	-0.01	1.94e-03
39	309	446.67	-23.24	-0.91	0.02	-0.25	-1.39e-03	1.70e-03
39	309	500.00	-22.21	-0.88	0.03	-0.03	0.01	1.47e-03
39	309	550.00	-21.28	-0.87	0.05	0.19	0.03	1.94e-03
39	309	600.00	-20.54	-0.88	0.04	0.47	0.06	5.90e-04
39	309	650.00	-19.41	-0.92	-0.07	0.62	0.04	-5.02e-03
39	309	700.00	-18.16	-0.93	-0.07	0.76	0.0	-5.36e-03
39	310	340.00	-30.99	-1.80	0.05	-2.92	-0.05	-9.47e-03
39	310	393.33	-34.22	-1.62	0.04	-0.92	-0.02	2.38e-03
39	310	446.67	-32.99	-1.49	0.03	-0.42	-4.24e-03	2.41e-03
39	310	500.00	-31.40	-1.45	0.05	-0.08	0.02	2.21e-03
39	310	550.00	-29.98	-1.44	0.08	0.25	0.05	3.16e-03
39	310	600.00	-28.85	-1.45	0.07	0.68	0.10	1.42e-03
39	310	650.00	-27.14	-1.52	-0.10	0.93	0.06	-7.30e-03
39	310	700.00	-25.41	-1.54	-0.12	1.21	0.0	-8.71e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-63.52	-11.29	-1.41	-5.50	-0.63	-0.18
			-5.48	2.79	1.42	7.18	0.86	0.14

Macro	Tipo	Angolo 1-Z (gradi)
40	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
40	11	340.00	-25.09	1.75	0.93	-9.54	-0.06	0.08
40	11	393.33	-25.09	1.75	0.93	-10.47	0.44	0.08
40	11	446.67	-22.29	1.23	0.68	-10.46	0.80	0.03
40	11	500.00	-19.00	-2.38	0.35	-9.89	1.00	0.01
40	11	550.00	-17.77	-2.35	0.04	-8.46	1.02	-0.02
40	11	600.00	-16.89	-2.36	-0.30	-7.32	0.86	-0.05
40	11	650.00	-16.54	-2.36	-0.68	-6.63	0.52	-0.07
40	11	700.00	-14.57	-1.98	-1.05	-5.15	0.0	-0.06
40	44	340.00	-14.94	-0.06	-2.86	-8.90	0.08	-0.29
40	44	393.33	-14.94	-0.06	-2.86	-8.87	-1.45	-0.32
40	44	446.67	-13.36	-0.57	-2.00	-9.46	-2.51	-0.15
40	44	500.00	-11.03	-4.28	-0.96	-9.53	-3.06	-0.07
40	44	550.00	-11.07	-4.23	0.03	-8.28	-3.04	0.06
40	44	600.00	-11.30	-4.21	0.99	-7.18	-2.55	0.20
40	44	650.00	-11.87	-4.20	1.99	-6.39	-1.55	0.30
40	44	700.00	-11.02	-3.32	3.11	-4.99	0.0	0.28
40	45	340.00	-6.51	-0.79	-2.89	-3.13	0.09	-0.29
40	45	393.33	-6.51	-0.79	-2.89	-2.71	-1.45	-0.31
40	45	446.67	-6.19	-1.02	-2.04	-3.20	-2.53	-0.14
40	45	500.00	-5.62	-2.48	-0.99	-3.37	-3.09	-0.06
40	45	550.00	-5.90	-2.46	6.86e-03	-3.02	-3.09	0.06
40	45	600.00	-6.18	-2.44	0.99	-2.67	-2.60	0.19
40	45	650.00	-6.52	-2.43	2.03	-2.37	-1.58	0.29
40	45	700.00	-6.10	-1.91	3.16	-1.78	0.0	0.27
40	68	340.00	-18.25	0.07	0.04	-13.25	-0.01	-5.07e-03
40	68	393.33	-18.25	0.07	0.04	-13.29	7.62e-03	-9.90e-03
40	68	446.67	-15.51	-0.78	0.05	-13.51	0.04	-7.72e-03

40	68	500.00	-11.57	-7.06	0.05	-12.79	0.06	-6.08e-03
40	68	550.00	-11.50	-7.01	0.04	-10.06	0.08	-4.14e-04
40	68	600.00	-11.77	-7.01	-3.39e-03	-7.59	0.08	8.44e-03
40	68	650.00	-12.51	-7.02	-0.06	-5.54	0.05	0.02
40	68	700.00	-12.03	-5.03	-0.09	-3.52	0.0	0.02
40	122	340.00	-97.88	16.05	2.11	5.79	-0.56	0.16
40	122	393.33	-97.88	16.05	2.11	5.41	-0.54	0.07
40	122	446.67	-86.02	16.42	1.03	7.50	0.31	0.03
40	122	500.00	-83.16	25.34	0.45	16.47	0.71	-5.93e-03
40	122	550.00	-70.12	25.12	0.16	13.89	0.84	-0.03
40	122	600.00	-56.95	24.99	-0.17	12.15	0.84	-0.03
40	122	650.00	-46.90	24.91	-0.59	8.18	0.64	-0.02
40	122	700.00	-36.90	17.21	-1.01	4.80	0.25	-0.02
40	123	340.00	68.44	-14.63	-2.05	-16.18	0.53	-0.17
40	123	393.33	68.44	-14.63	-2.05	-16.56	0.54	-0.08
40	123	446.67	59.74	-15.69	-0.97	-18.79	-0.27	-0.03
40	123	500.00	60.57	-28.93	-0.39	-27.08	-0.64	-8.71e-04
40	123	550.00	48.89	-28.68	-0.12	-22.81	-0.75	0.03
40	123	600.00	36.71	-28.55	0.17	-19.67	-0.75	0.04
40	123	650.00	27.11	-28.46	0.52	-14.77	-0.59	0.04
40	123	700.00	19.39	-20.08	0.90	-9.69	-0.25	0.04
40	135	340.00	63.16	-22.39	-1.12	-72.91	0.36	-0.09
40	135	393.33	63.16	-22.39	-1.12	-73.29	0.38	-0.02
40	135	446.67	56.72	-25.88	-0.44	-70.13	-0.02	-9.93e-03
40	135	500.00	74.45	-64.28	-0.15	-82.09	-0.17	4.10e-03
40	135	550.00	60.10	-63.65	4.62e-03	-61.44	-0.11	0.02
40	135	600.00	45.67	-63.32	0.08	-43.15	-0.10	0.03
40	135	650.00	33.32	-63.12	0.07	-23.68	-0.08	0.04
40	135	700.00	19.76	-41.18	0.12	-9.32	-0.07	0.04
40	154	340.00	-108.35	18.01	2.37	7.34	-0.62	0.18
40	154	393.33	-108.35	18.01	2.37	6.96	-0.61	0.07
40	154	446.67	-95.20	18.48	1.16	9.31	0.34	0.03
40	154	500.00	-92.26	28.86	0.51	19.38	0.79	-6.27e-03
40	154	550.00	-77.65	28.62	0.18	16.32	0.94	-0.03
40	154	600.00	-62.90	28.47	-0.19	14.21	0.93	-0.03
40	154	650.00	-51.58	28.37	-0.66	9.65	0.72	-0.02
40	154	700.00	-40.43	19.62	-1.13	5.70	0.28	-0.02
40	155	340.00	78.91	-16.58	-2.31	-17.73	0.60	-0.19
40	155	393.33	78.91	-16.58	-2.31	-18.12	0.61	-0.08
40	155	446.67	68.92	-17.74	-1.09	-20.60	-0.30	-0.04
40	155	500.00	69.67	-32.46	-0.45	-29.99	-0.72	-5.31e-04
40	155	550.00	56.43	-32.17	-0.14	-25.23	-0.85	0.03
40	155	600.00	42.66	-32.02	0.19	-21.72	-0.84	0.04
40	155	650.00	31.78	-31.93	0.59	-16.24	-0.66	0.04
40	155	700.00	22.92	-22.49	1.02	-10.60	-0.28	0.04
40	167	340.00	73.34	-25.44	-1.27	-81.95	0.41	-0.10
40	167	393.33	73.34	-25.44	-1.27	-82.33	0.43	-0.02
40	167	446.67	65.86	-29.34	-0.50	-78.73	-0.02	-0.01
40	167	500.00	85.72	-72.57	-0.18	-92.29	-0.19	5.06e-03
40	167	550.00	69.40	-71.86	2.62e-03	-69.00	-0.13	0.02
40	167	600.00	53.02	-71.49	0.09	-48.35	-0.12	0.03
40	167	650.00	38.96	-71.25	0.09	-26.36	-0.10	0.04
40	167	700.00	23.44	-46.44	0.14	-10.20	-0.08	0.04
40	187	340.00	78.40	-16.66	-2.27	-18.85	0.59	-0.19
40	187	393.33	78.40	-16.66	-2.27	-19.23	0.60	-0.08
40	187	446.67	68.49	-17.86	-1.07	-21.59	-0.29	-0.04
40	187	500.00	69.59	-33.06	-0.44	-30.99	-0.70	-3.39e-04
40	187	550.00	56.31	-32.76	-0.14	-25.94	-0.83	0.03
40	187	600.00	42.79	-32.61	0.18	-21.96	-0.83	0.04
40	187	650.00	31.69	-32.51	0.57	-16.33	-0.65	0.04
40	187	700.00	22.68	-22.83	1.00	-10.52	-0.27	0.04
40	198	340.00	-104.87	27.66	1.33	74.64	-0.44	0.09
40	198	393.33	-104.87	27.66	1.33	74.26	-0.43	0.01
40	198	446.67	-94.03	31.02	0.56	70.31	0.06	1.24e-03
40	198	500.00	-111.03	71.51	0.23	84.87	0.26	-0.01
40	198	550.00	-92.89	70.81	0.04	62.40	0.22	-0.02
40	198	600.00	-75.17	70.43	-0.09	42.22	0.21	-0.02
40	198	650.00	-59.88	70.18	-0.16	20.48	0.15	-0.02
40	198	700.00	-41.38	45.14	-0.25	5.42	0.08	-0.02
40	199	340.00	75.43	-26.23	-1.27	-85.03	0.42	-0.10
40	199	393.33	75.43	-26.23	-1.27	-85.41	0.43	-0.02
40	199	446.67	67.75	-30.28	-0.49	-81.60	-0.02	-0.01
40	199	500.00	88.45	-75.10	-0.17	-95.48	-0.19	5.18e-03
40	199	550.00	71.67	-74.36	2.48e-03	-71.31	-0.13	0.02
40	199	600.00	54.93	-73.98	0.08	-49.73	-0.12	0.03

40	199	650.00	40.09	-73.74	0.09	-27.07	-0.10	0.04
40	199	700.00	23.86	-48.01	0.14	-10.31	-0.08	0.04
40	219	340.00	94.35	-19.78	-2.65	-22.12	0.69	-0.22
40	219	393.33	94.35	-19.78	-2.65	-22.51	0.70	-0.10
40	219	446.67	82.50	-21.16	-1.25	-25.17	-0.34	-0.04
40	219	500.00	83.76	-39.02	-0.52	-36.29	-0.82	2.60e-04
40	219	550.00	68.02	-38.67	-0.17	-30.27	-0.97	0.03
40	219	600.00	52.08	-38.49	0.21	-25.45	-0.97	0.04
40	219	650.00	38.93	-38.37	0.67	-18.71	-0.76	0.05
40	219	700.00	28.06	-26.85	1.17	-11.91	-0.32	0.04
40	230	340.00	-122.36	33.03	1.56	91.17	-0.52	0.11
40	230	393.33	-122.36	33.03	1.56	90.79	-0.51	0.02
40	230	446.67	-109.75	37.16	0.65	85.99	0.07	1.87e-03
40	230	500.00	-130.77	86.42	0.26	103.33	0.29	-0.01
40	230	550.00	-109.18	85.57	0.04	76.05	0.25	-0.03
40	230	600.00	-88.06	85.11	-0.10	51.52	0.24	-0.03
40	230	650.00	-69.70	84.82	-0.18	25.24	0.17	-0.03
40	230	700.00	-47.63	54.59	-0.28	6.94	0.09	-0.03
40	231	340.00	92.92	-31.60	-1.50	-101.56	0.50	-0.11
40	231	393.33	92.92	-31.60	-1.50	-101.94	0.51	-0.03
40	231	446.67	83.47	-36.42	-0.58	-97.28	-0.02	-0.01
40	231	500.00	108.19	-90.01	-0.20	-113.94	-0.22	6.86e-03
40	231	550.00	87.95	-89.12	-9.04e-05	-84.97	-0.16	0.03
40	231	600.00	67.82	-88.66	0.10	-59.03	-0.15	0.04
40	231	650.00	49.90	-88.37	0.11	-31.83	-0.12	0.05
40	231	700.00	30.12	-57.46	0.17	-11.84	-0.09	0.05
40	247	340.00	-18.31	1.21	0.62	-6.60	-0.04	0.06
40	247	393.33	-18.31	1.21	0.62	-7.25	0.29	0.06
40	247	446.67	-16.32	0.84	0.45	-7.24	0.54	0.02
40	247	500.00	-14.02	-1.68	0.24	-6.81	0.67	8.33e-03
40	247	550.00	-13.11	-1.66	0.02	-5.82	0.68	-0.01
40	247	600.00	-12.45	-1.66	-0.20	-5.03	0.58	-0.03
40	247	650.00	-12.15	-1.66	-0.46	-4.55	0.35	-0.05
40	247	700.00	-10.68	-1.39	-0.70	-3.51	0.0	-0.04
40	261	340.00	-9.02	-0.33	-1.92	-3.38	0.06	-0.20
40	261	393.33	-9.02	-0.33	-1.92	-3.20	-0.96	-0.21
40	261	446.67	-8.37	-0.57	-1.35	-3.54	-1.68	-0.10
40	261	500.00	-7.52	-2.07	-0.65	-3.54	-2.05	-0.04
40	261	550.00	-7.47	-2.04	9.42e-03	-3.12	-2.05	0.04
40	261	600.00	-7.48	-2.03	0.66	-2.73	-1.72	0.13
40	261	650.00	-7.59	-2.03	1.34	-2.43	-1.05	0.20
40	261	700.00	-6.91	-1.61	2.10	-1.82	0.0	0.18
40	264	340.00	-11.55	4.13e-03	-1.90	-6.17	0.05	-0.20
40	264	393.33	-11.55	4.13e-03	-1.90	-6.18	-0.96	-0.21
40	264	446.67	-10.37	-0.36	-1.33	-6.57	-1.67	-0.10
40	264	500.00	-8.71	-2.94	-0.64	-6.57	-2.04	-0.05
40	264	550.00	-8.64	-2.91	0.02	-5.70	-2.03	0.04
40	264	600.00	-8.72	-2.90	0.66	-4.94	-1.70	0.13
40	264	650.00	-9.03	-2.89	1.33	-4.39	-1.03	0.20
40	264	700.00	-8.31	-2.29	2.07	-3.40	0.0	0.19
40	276	340.00	-13.76	0.09	0.03	-9.07	-0.01	-3.52e-03
40	276	393.33	-13.76	0.09	0.03	-9.13	5.20e-03	-6.87e-03
40	276	446.67	-11.80	-0.50	0.04	-9.27	0.03	-5.38e-03
40	276	500.00	-9.07	-4.80	0.04	-8.75	0.04	-4.23e-03
40	276	550.00	-8.93	-4.76	0.03	-6.89	0.06	-2.64e-04
40	276	600.00	-9.03	-4.76	-2.57e-03	-5.21	0.05	5.91e-03
40	276	650.00	-9.46	-4.77	-0.04	-3.83	0.03	0.01
40	276	700.00	-8.99	-3.43	-0.07	-2.43	0.0	0.01
40	303	340.00	-15.16	0.80	0.23	-5.19	-0.02	0.02
40	303	393.33	-15.16	0.80	0.23	-5.61	0.10	0.02
40	303	446.67	-13.53	0.45	0.17	-5.65	0.19	4.84e-03
40	303	500.00	-11.64	-1.70	0.10	-5.28	0.24	7.29e-04
40	303	550.00	-10.89	-1.68	0.02	-4.42	0.25	-4.04e-03
40	303	600.00	-10.35	-1.68	-0.07	-3.72	0.22	-7.74e-03
40	303	650.00	-10.07	-1.68	-0.17	-3.26	0.13	-9.14e-03
40	303	700.00	-8.88	-1.36	-0.27	-2.42	0.0	-8.03e-03
40	304	340.00	-12.55	0.35	-0.37	-3.30	4.59e-03	-0.04
40	304	393.33	-12.55	0.35	-0.37	-3.48	-0.19	-0.04
40	304	446.67	-11.46	0.11	-0.25	-3.57	-0.33	-0.02
40	304	500.00	-10.29	-1.27	-0.12	-3.31	-0.39	-0.01
40	304	550.00	-9.73	-1.26	0.01	-2.83	-0.39	7.98e-03
40	304	600.00	-9.29	-1.25	0.13	-2.43	-0.32	0.03
40	304	650.00	-9.01	-1.25	0.25	-2.18	-0.20	0.04
40	304	700.00	-7.92	-1.04	0.39	-1.57	0.0	0.04
40	305	340.00	-13.84	0.54	-0.36	-5.22	-5.24e-04	-0.04

40	305	393.33	-13.84	0.54	-0.36	-5.51	-0.19	-0.05
40	305	446.67	-12.37	0.20	-0.24	-5.64	-0.32	-0.02
40	305	500.00	-10.60	-2.00	-0.10	-5.36	-0.38	-0.01
40	305	550.00	-10.05	-1.97	0.02	-4.53	-0.37	7.88e-03
40	305	600.00	-9.67	-1.97	0.13	-3.83	-0.30	0.03
40	305	650.00	-9.54	-1.97	0.24	-3.36	-0.19	0.05
40	305	700.00	-8.50	-1.58	0.37	-2.51	0.0	0.05
40	307	340.00	-14.28	0.56	0.03	-5.80	-0.01	-2.51e-03
40	307	393.33	-14.28	0.56	0.03	-6.10	3.03e-03	-5.46e-03
40	307	446.67	-12.65	0.17	0.03	-6.18	0.02	-4.48e-03
40	307	500.00	-10.67	-2.37	0.03	-5.80	0.04	-3.48e-03
40	307	550.00	-10.10	-2.34	0.02	-4.77	0.05	-1.18e-04
40	307	600.00	-9.73	-2.34	-2.59e-03	-3.89	0.05	5.05e-03
40	307	650.00	-9.63	-2.35	-0.04	-3.24	0.03	0.01
40	307	700.00	-8.64	-1.81	-0.05	-2.31	0.0	9.98e-03
40	309	340.00	-13.44	0.52	0.02	-3.28	-8.98e-03	-1.69e-03
40	309	393.33	-13.44	0.52	0.02	-3.55	1.80e-03	-3.51e-03
40	309	446.67	-12.23	0.28	0.02	-3.58	0.01	-2.96e-03
40	309	500.00	-10.98	-1.07	0.02	-3.25	0.02	-2.21e-03
40	309	550.00	-10.29	-1.06	0.01	-2.76	0.03	3.14e-05
40	309	600.00	-9.74	-1.06	-2.92e-03	-2.36	0.03	3.34e-03
40	309	650.00	-9.36	-1.06	-0.02	-2.11	0.02	6.47e-03
40	309	700.00	-8.18	-0.89	-0.03	-1.51	0.0	6.21e-03
40	310	340.00	-14.72	0.71	0.03	-5.20	-0.01	-2.33e-03
40	310	393.33	-14.72	0.71	0.03	-5.58	2.61e-03	-5.30e-03
40	310	446.67	-13.14	0.37	0.03	-5.65	0.02	-4.40e-03
40	310	500.00	-11.29	-1.80	0.03	-5.30	0.04	-3.40e-03
40	310	550.00	-10.61	-1.78	0.02	-4.46	0.05	-7.05e-05
40	310	600.00	-10.12	-1.78	-2.80e-03	-3.76	0.04	5.02e-03
40	310	650.00	-9.90	-1.78	-0.04	-3.29	0.03	9.97e-03
40	310	700.00	-8.76	-1.43	-0.05	-2.45	0.0	9.81e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-130.77	-90.01	-2.89	-113.94	-3.09	-0.32
	108.19	86.42	3.16	103.33	1.02	0.30

Macro	Tipo	Angolo 1-Z (gradi)
41	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
41	4	340.00	-157.53	-9.47	1.23	-8.71	0.0	0.07
41	4	393.33	-157.53	-9.47	1.23	-3.66	0.66	0.08
41	4	446.67	-158.58	-13.00	0.82	-6.00	1.10	0.03
41	4	500.00	-163.68	-27.61	0.34	-5.29	1.29	0.02
41	4	550.00	-162.24	-27.57	-0.04	8.02	1.27	-0.02
41	4	600.00	-161.08	-27.59	-0.40	21.13	1.07	-0.05
41	4	650.00	-160.03	-27.62	-0.82	34.14	0.66	-0.08
41	4	700.00	-151.67	-20.59	-1.31	45.98	0.0	-0.07
41	43	340.00	-118.38	-8.58	-4.25	-4.65	0.0	-0.21
41	43	393.33	-118.38	-8.58	-4.25	-0.08	-2.27	-0.26
41	43	446.67	-120.00	-11.60	-2.65	-2.72	-3.68	-0.09
41	43	500.00	-124.60	-23.88	-1.06	-2.57	-4.28	-0.05
41	43	550.00	-124.46	-23.86	0.12	7.64	-4.22	0.07
41	43	600.00	-124.37	-23.87	1.28	17.86	-3.58	0.19
41	43	650.00	-124.23	-23.90	2.67	28.13	-2.24	0.27
41	43	700.00	-118.33	-17.93	4.48	37.49	0.0	0.24
41	45	340.00	-52.41	-3.63	-4.24	-0.23	0.0	-0.21
41	45	393.33	-52.41	-3.63	-4.24	1.70	-2.26	-0.26
41	45	446.67	-53.21	-4.86	-2.66	0.43	-3.68	-0.09
41	45	500.00	-55.25	-9.73	-1.07	0.39	-4.28	-0.05
41	45	550.00	-55.17	-9.72	0.12	3.90	-4.22	0.06
41	45	600.00	-55.04	-9.73	1.29	7.50	-3.58	0.19
41	45	650.00	-54.84	-9.74	2.68	11.18	-2.24	0.27
41	45	700.00	-51.95	-7.74	4.47	14.77	0.0	0.24
41	68	340.00	-135.61	-12.53	-0.04	-30.25	0.0	2.49e-03
41	68	393.33	-135.61	-12.53	-0.04	-23.57	-0.02	3.10e-03
41	68	446.67	-136.93	-16.61	0.02	-25.91	-8.70e-03	2.05e-03
41	68	500.00	-141.65	-34.95	0.01	-26.13	-1.08e-03	1.55e-03
41	68	550.00	-140.66	-34.91	-2.29e-03	-9.59	-2.23e-03	1.28e-03
41	68	600.00	-139.89	-34.92	-0.01	6.81	-9.35e-03	8.82e-04
41	68	650.00	-139.20	-34.95	-0.01	23.14	-0.02	4.47e-04

41	68	700.00	-132.08	-25.87	0.03	37.76	0.0	-2.38e-04
41	113	340.00	-143.97	-25.89	0.75	-230.44	0.20	0.08
41	113	393.33	-143.97	-25.89	0.75	-227.73	0.18	0.07
41	113	446.67	-136.61	-38.56	0.52	-210.82	0.52	0.07
41	113	500.00	-144.96	-84.96	0.14	-223.97	0.70	0.06
41	113	550.00	-126.69	-83.50	-0.03	-181.99	0.73	0.02
41	113	600.00	-119.63	-96.70	-0.17	-131.38	0.69	1.61e-03
41	113	650.00	-108.60	-96.36	-0.47	-77.27	0.54	-0.01
41	113	700.00	-106.69	-56.77	-0.86	-27.66	0.22	-0.02
41	126	340.00	-175.87	14.54	0.86	36.84	0.23	0.03
41	126	393.33	-175.87	14.54	0.86	39.55	0.22	0.03
41	126	446.67	-166.60	17.06	0.57	39.15	0.62	0.02
41	126	500.00	-162.14	32.05	0.12	51.41	0.81	0.02
41	126	550.00	-151.86	32.37	-9.86e-03	46.68	0.84	-8.49e-03
41	126	600.00	-141.72	31.87	-0.18	41.38	0.79	-0.03
41	126	650.00	-130.53	33.14	-0.51	37.46	0.62	-0.04
41	126	700.00	-117.85	24.43	-1.00	30.56	0.25	-0.05
41	127	340.00	1.69	-24.68	-0.90	-45.90	-0.23	-0.03
41	127	393.33	1.69	-24.68	-0.90	-43.19	-0.24	-0.03
41	127	446.67	-8.15	-30.96	-0.54	-45.55	-0.62	-0.02
41	127	500.00	-17.62	-61.46	-0.10	-57.25	-0.81	-0.02
41	127	550.00	-25.80	-61.76	7.83e-03	-38.67	-0.84	9.90e-03
41	127	600.00	-34.13	-61.27	0.16	-19.73	-0.80	0.03
41	127	650.00	-43.61	-62.57	0.50	-2.22	-0.64	0.04
41	127	700.00	-46.59	-46.44	1.03	17.22	-0.25	0.05
41	129	340.00	-82.44	-60.88	0.12	-385.95	0.02	0.06
41	129	393.33	-82.44	-60.88	0.12	-383.24	0.01	0.06
41	129	446.67	-82.46	-77.16	0.12	-357.06	0.05	0.06
41	129	500.00	-87.47	-168.18	5.17e-03	-404.24	0.08	0.05
41	129	550.00	-82.70	-167.19	-0.04	-320.07	0.08	0.03
41	129	600.00	-81.38	-170.67	-0.09	-235.91	0.06	0.03
41	129	650.00	-78.80	-170.05	-0.13	-151.24	0.04	0.02
41	129	700.00	-75.78	-115.16	-0.05	-73.33	0.02	0.01
41	145	340.00	-150.93	-28.68	0.84	-260.04	0.22	0.09
41	145	393.33	-150.93	-28.68	0.84	-257.34	0.21	0.08
41	145	446.67	-142.63	-42.76	0.58	-238.05	0.58	0.08
41	145	500.00	-151.78	-94.30	0.15	-253.06	0.78	0.06
41	145	550.00	-131.33	-92.65	-0.03	-206.42	0.82	0.02
41	145	600.00	-123.51	-107.54	-0.20	-150.02	0.78	1.90e-03
41	145	650.00	-111.20	-107.15	-0.53	-89.67	0.61	-0.01
41	145	700.00	-109.69	-62.85	-0.97	-34.34	0.25	-0.02
41	158	340.00	-186.92	17.08	0.97	42.72	0.26	0.03
41	158	393.33	-186.92	17.08	0.97	45.43	0.25	0.03
41	158	446.67	-176.46	20.18	0.64	45.10	0.69	0.02
41	158	500.00	-171.13	38.16	0.13	58.95	0.91	0.02
41	158	550.00	-159.70	38.53	-0.01	52.61	0.94	-9.65e-03
41	158	600.00	-148.42	37.96	-0.20	45.67	0.89	-0.03
41	158	650.00	-135.97	39.39	-0.57	40.24	0.70	-0.05
41	158	700.00	-122.30	29.05	-1.12	31.57	0.28	-0.05
41	159	340.00	12.74	-27.23	-1.01	-51.78	-0.26	-0.03
41	159	393.33	12.74	-27.23	-1.01	-49.07	-0.27	-0.03
41	159	446.67	1.71	-34.08	-0.61	-51.50	-0.70	-0.02
41	159	500.00	-8.62	-67.58	-0.12	-64.78	-0.91	-0.02
41	159	550.00	-17.95	-67.91	8.29e-03	-44.61	-0.94	0.01
41	159	600.00	-27.43	-67.36	0.18	-24.01	-0.90	0.03
41	159	650.00	-38.17	-68.82	0.56	-5.00	-0.72	0.05
41	159	700.00	-42.14	-51.05	1.15	16.21	-0.28	0.05
41	161	340.00	-81.67	-68.32	0.14	-436.61	0.02	0.07
41	161	393.33	-81.67	-68.32	0.14	-433.90	0.01	0.07
41	161	446.67	-81.68	-86.51	0.14	-404.05	0.06	0.07
41	161	500.00	-87.02	-188.62	4.64e-03	-457.56	0.09	0.06
41	161	550.00	-81.79	-187.50	-0.05	-363.11	0.09	0.04
41	161	600.00	-80.43	-191.42	-0.10	-268.65	0.07	0.03
41	161	650.00	-77.64	-190.72	-0.14	-173.60	0.04	0.02
41	161	700.00	-74.87	-129.03	-0.06	-86.12	0.02	0.01
41	177	340.00	-149.69	-29.69	0.81	-266.89	0.21	0.09
41	177	393.33	-149.69	-29.69	0.81	-264.18	0.20	0.08
41	177	446.67	-141.53	-44.06	0.57	-244.48	0.57	0.08
41	177	500.00	-151.03	-97.24	0.15	-260.42	0.76	0.06
41	177	550.00	-130.54	-95.53	-0.03	-212.38	0.80	0.02
41	177	600.00	-122.80	-110.59	-0.19	-154.39	0.76	3.03e-03
41	177	650.00	-110.53	-110.20	-0.52	-92.35	0.60	-0.01
41	177	700.00	-109.18	-64.74	-0.95	-35.43	0.24	-0.02
41	190	340.00	-185.48	17.49	0.94	46.94	0.25	0.03
41	190	393.33	-185.48	17.49	0.94	49.65	0.24	0.03

41	190	446.67	-175.17	20.68	0.62	48.94	0.67	0.02
41	190	500.00	-169.96	39.37	0.14	63.21	0.89	0.02
41	190	550.00	-158.68	39.73	-3.66e-03	56.10	0.92	-9.61e-03
41	190	600.00	-147.53	39.16	-0.19	48.42	0.88	-0.03
41	190	650.00	-135.53	40.59	-0.56	41.98	0.69	-0.05
41	190	700.00	-121.88	29.82	-1.10	32.74	0.28	-0.05
41	191	340.00	11.30	-27.64	-0.98	-55.99	-0.25	-0.03
41	191	393.33	11.30	-27.64	-0.98	-53.29	-0.26	-0.03
41	191	446.67	0.42	-34.58	-0.60	-55.33	-0.68	-0.02
41	191	500.00	-9.79	-68.79	-0.12	-69.05	-0.88	-0.02
41	191	550.00	-18.98	-69.12	1.62e-03	-48.09	-0.92	0.01
41	191	600.00	-28.33	-68.56	0.17	-26.76	-0.88	0.03
41	191	650.00	-38.62	-70.02	0.55	-6.74	-0.70	0.05
41	191	700.00	-42.55	-51.82	1.13	15.04	-0.28	0.05
41	193	340.00	-80.56	-70.78	0.13	-452.44	0.02	0.07
41	193	393.33	-80.56	-70.78	0.13	-449.74	0.01	0.07
41	193	446.67	-80.70	-89.55	0.14	-418.74	0.06	0.07
41	193	500.00	-86.16	-195.30	4.82e-03	-474.34	0.08	0.06
41	193	550.00	-80.99	-194.14	-0.05	-376.53	0.08	0.04
41	193	600.00	-79.69	-198.09	-0.10	-278.71	0.07	0.03
41	193	650.00	-76.94	-197.36	-0.14	-180.19	0.04	0.02
41	193	700.00	-74.29	-133.54	-0.05	-89.40	0.02	0.01
41	209	340.00	-159.96	-34.77	0.95	-318.44	0.25	0.10
41	209	393.33	-159.96	-34.77	0.95	-315.74	0.24	0.10
41	209	446.67	-150.38	-51.58	0.66	-292.00	0.66	0.09
41	209	500.00	-161.40	-114.01	0.18	-311.47	0.89	0.07
41	209	550.00	-137.41	-111.96	-0.03	-255.15	0.93	0.02
41	209	600.00	-128.52	-129.84	-0.22	-186.97	0.89	3.92e-03
41	209	650.00	-114.18	-129.37	-0.60	-113.88	0.70	-0.02
41	209	700.00	-113.60	-75.66	-1.11	-46.87	0.28	-0.02
41	222	340.00	-201.62	21.65	1.09	58.47	0.29	0.04
41	222	393.33	-201.62	21.65	1.09	61.18	0.28	0.04
41	222	446.67	-189.57	25.78	0.72	60.35	0.78	0.03
41	222	500.00	-183.10	49.49	0.16	77.30	1.03	0.02
41	222	550.00	-170.15	49.92	-2.95e-03	67.26	1.07	-0.01
41	222	600.00	-157.32	49.25	-0.22	56.59	1.02	-0.04
41	222	650.00	-143.54	50.91	-0.65	47.35	0.80	-0.06
41	222	700.00	-128.45	37.37	-1.28	35.01	0.32	-0.06
41	223	340.00	27.45	-31.80	-1.13	-67.53	-0.29	-0.03
41	223	393.33	27.45	-31.80	-1.13	-64.82	-0.30	-0.03
41	223	446.67	14.82	-39.68	-0.69	-66.74	-0.79	-0.02
41	223	500.00	3.35	-78.91	-0.14	-83.13	-1.03	-0.02
41	223	550.00	-7.51	-79.30	9.19e-04	-59.26	-1.07	0.01
41	223	600.00	-18.53	-78.65	0.20	-34.94	-1.03	0.04
41	223	650.00	-30.60	-80.35	0.64	-12.11	-0.82	0.06
41	223	700.00	-35.99	-59.37	1.31	12.78	-0.32	0.06
41	225	340.00	-78.58	-84.29	0.16	-543.85	0.03	0.09
41	225	393.33	-78.58	-84.29	0.16	-541.15	0.01	0.08
41	225	446.67	-78.78	-106.48	0.16	-503.57	0.07	0.08
41	225	500.00	-84.86	-232.36	3.45e-03	-570.68	0.09	0.07
41	225	550.00	-78.99	-230.96	-0.06	-454.25	0.09	0.05
41	225	600.00	-77.67	-235.64	-0.12	-337.80	0.07	0.04
41	225	650.00	-74.60	-234.76	-0.16	-220.47	0.04	0.02
41	225	700.00	-72.41	-158.67	-0.06	-112.34	0.02	0.02
41	244	340.00	-111.19	-6.55	0.82	-6.07	0.0	0.04
41	244	393.33	-111.19	-6.55	0.82	-2.58	0.44	0.06
41	244	446.67	-111.82	-8.99	0.55	-4.21	0.73	0.02
41	244	500.00	-115.29	-19.10	0.23	-3.72	0.86	0.01
41	244	550.00	-114.15	-19.08	-0.03	5.47	0.84	-0.01
41	244	600.00	-113.21	-19.09	-0.27	14.53	0.71	-0.04
41	244	650.00	-112.36	-19.11	-0.55	23.52	0.44	-0.05
41	244	700.00	-106.36	-14.28	-0.87	31.74	0.0	-0.05
41	261	340.00	-58.97	-3.63	-2.83	-1.08	0.0	-0.14
41	261	393.33	-58.97	-3.63	-2.83	0.85	-1.51	-0.18
41	261	446.67	-59.53	-4.90	-1.77	-0.30	-2.46	-0.06
41	261	500.00	-61.52	-10.01	-0.71	-0.22	-2.86	-0.03
41	261	550.00	-61.09	-10.00	0.08	3.77	-2.81	0.04
41	261	600.00	-60.67	-10.01	0.86	7.79	-2.39	0.12
41	261	650.00	-60.21	-10.02	1.78	11.85	-1.49	0.18
41	261	700.00	-56.85	-7.89	2.99	15.79	0.0	0.16
41	263	340.00	-85.08	-5.95	-2.84	-3.37	0.0	-0.14
41	263	393.33	-85.08	-5.95	-2.84	-0.20	-1.51	-0.17
41	263	446.67	-86.09	-8.05	-1.77	-2.03	-2.46	-0.06
41	263	500.00	-89.24	-16.62	-0.71	-1.92	-2.85	-0.03
41	263	550.00	-88.97	-16.60	0.08	5.21	-2.81	0.04

41	263	600.00	-88.74	-16.61	0.85	12.35	-2.39	0.13
41	263	650.00	-88.49	-16.63	1.78	19.51	-1.50	0.18
41	263	700.00	-84.13	-12.51	2.99	26.08	0.0	0.16
41	276	340.00	-96.57	-8.58	-0.03	-20.44	0.0	1.75e-03
41	276	393.33	-96.57	-8.58	-0.03	-15.86	-0.01	2.18e-03
41	276	446.67	-97.38	-11.39	0.01	-17.48	-6.33e-03	1.44e-03
41	276	500.00	-100.60	-24.00	0.01	-17.62	-9.35e-04	1.08e-03
41	276	550.00	-99.76	-23.97	-1.52e-03	-6.27	-1.69e-03	8.95e-04
41	276	600.00	-99.09	-23.98	-9.94e-03	4.98	-6.66e-03	6.10e-04
41	276	650.00	-98.47	-24.00	-8.29e-03	16.19	-0.01	3.05e-04
41	276	700.00	-93.29	-17.80	0.02	26.26	0.0	-1.71e-04
41	298	340.00	-90.82	-5.41	-0.02	-4.85	0.0	1.33e-03
41	298	393.33	-90.82	-5.41	-0.02	-1.97	-0.01	1.65e-03
41	298	446.67	-91.17	-7.40	0.01	-3.44	-3.48e-03	1.13e-03
41	298	500.00	-93.84	-15.65	9.80e-03	-3.16	1.62e-03	8.53e-04
41	298	550.00	-92.81	-15.64	-1.14e-03	4.21	1.05e-03	7.65e-04
41	298	600.00	-91.94	-15.64	-9.16e-03	11.48	-3.53e-03	6.11e-04
41	298	650.00	-91.11	-15.66	-8.84e-03	18.71	-7.95e-03	4.30e-04
41	298	700.00	-86.12	-11.66	0.02	25.36	0.0	5.13e-05
41	304	340.00	-63.56	-3.19	-0.58	-2.27	0.0	-0.03
41	304	393.33	-63.56	-3.19	-0.58	-0.57	-0.31	-0.03
41	304	446.67	-63.59	-4.38	-0.35	-1.44	-0.49	-0.01
41	304	500.00	-65.20	-9.24	-0.14	-1.22	-0.57	-5.79e-03
41	304	550.00	-64.16	-9.23	0.02	2.96	-0.56	8.93e-03
41	304	600.00	-63.22	-9.24	0.17	7.09	-0.48	0.03
41	304	650.00	-62.30	-9.25	0.35	11.21	-0.30	0.04
41	304	700.00	-58.44	-7.21	0.61	15.21	0.0	0.03
41	305	340.00	-85.94	-5.18	-0.58	-4.23	0.0	-0.03
41	305	393.33	-85.94	-5.18	-0.58	-1.47	-0.31	-0.03
41	305	446.67	-86.36	-7.08	-0.34	-2.91	-0.49	-0.01
41	305	500.00	-88.96	-14.90	-0.13	-2.67	-0.57	-5.47e-03
41	305	550.00	-88.06	-14.89	0.02	4.20	-0.56	9.28e-03
41	305	600.00	-87.29	-14.89	0.16	11.00	-0.48	0.03
41	305	650.00	-86.55	-14.91	0.35	17.78	-0.31	0.04
41	305	700.00	-81.82	-11.17	0.61	24.04	0.0	0.03
41	307	340.00	-86.75	-5.65	-0.02	-7.68	0.0	1.32e-03
41	307	393.33	-86.75	-5.65	-0.02	-4.67	-0.01	1.64e-03
41	307	446.67	-87.07	-7.66	0.01	-6.08	-3.89e-03	1.10e-03
41	307	500.00	-89.59	-16.20	9.37e-03	-5.92	9.87e-04	8.31e-04
41	307	550.00	-88.57	-16.18	-1.11e-03	1.72	4.34e-04	7.29e-04
41	307	600.00	-87.70	-16.19	-8.73e-03	9.26	-3.93e-03	5.59e-04
41	307	650.00	-86.88	-16.20	-8.18e-03	16.76	-8.02e-03	3.66e-04
41	307	700.00	-82.06	-12.05	0.02	23.64	0.0	-3.01e-06
41	309	340.00	-64.71	-3.08	-0.02	-2.57	0.0	9.17e-04
41	309	393.33	-64.71	-3.08	-0.02	-0.92	-8.62e-03	1.11e-03
41	309	446.67	-64.61	-4.25	7.68e-03	-1.72	-4.52e-03	7.11e-04
41	309	500.00	-66.12	-9.05	6.52e-03	-1.47	-1.13e-03	4.86e-04
41	309	550.00	-64.93	-9.04	-2.93e-04	2.76	-1.28e-03	3.66e-04
41	309	600.00	-63.86	-9.04	-5.36e-03	6.92	-3.96e-03	2.07e-04
41	309	650.00	-62.83	-9.05	-4.79e-03	11.05	-6.36e-03	5.54e-05
41	309	700.00	-58.84	-7.04	0.01	15.07	0.0	-1.46e-04
41	310	340.00	-87.09	-5.07	-0.02	-4.53	0.0	1.27e-03
41	310	393.33	-87.09	-5.07	-0.02	-1.82	-0.01	1.57e-03
41	310	446.67	-87.38	-6.95	0.01	-3.20	-3.63e-03	1.07e-03
41	310	500.00	-89.88	-14.71	9.33e-03	-2.92	1.23e-03	8.00e-04
41	310	550.00	-88.83	-14.69	-1.02e-03	4.00	7.18e-04	7.08e-04
41	310	600.00	-87.93	-14.70	-8.62e-03	10.83	-3.59e-03	5.53e-04
41	310	650.00	-87.07	-14.72	-8.26e-03	17.62	-7.72e-03	3.77e-04
41	310	700.00	-82.22	-11.00	0.02	23.89	0.0	2.31e-05

M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-201.62	-235.64	-4.25	-570.68	-4.28	-0.26
			27.45	50.91	4.48	77.30	1.29	0.27

Macro	Tipo	Angolo 1-Z (gradi)
42	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
42	44	340.00	-85.02	0.05	-0.28	-1.06	0.0	-4.57e-03
42	44	393.33	-85.02	0.05	-0.28	-1.09	-0.15	-5.30e-03
42	44	446.67	-84.76	0.28	-0.21	-1.46	-0.30	-2.40e-03

42	44	500.00	-92.05	-1.99	0.12	-1.32	-0.24	2.12e-03
42	44	550.00	-91.73	-1.99	0.12	-0.32	-0.18	2.62e-03
42	44	600.00	-91.42	-1.99	0.12	0.67	-0.12	2.99e-03
42	44	650.00	-91.11	-1.99	0.12	1.67	-0.06	3.14e-03
42	44	700.00	-82.57	0.35	0.12	1.49	0.0	2.47e-03
42	68	340.00	-84.86	0.25	-1.34e-03	-1.46	0.0	7.20e-05
42	68	393.33	-84.86	0.25	-1.34e-03	-1.60	-7.16e-04	-1.74e-04
42	68	446.67	-84.60	0.56	-1.12e-03	-2.29	-1.50e-03	3.46e-05
42	68	500.00	-91.92	-3.36	5.93e-04	-2.02	-1.19e-03	2.41e-04
42	68	550.00	-91.59	-3.36	5.93e-04	-0.34	-8.89e-04	2.81e-04
42	68	600.00	-91.28	-3.36	5.93e-04	1.34	-5.93e-04	2.98e-04
42	68	650.00	-90.97	-3.36	5.93e-04	3.01	-2.96e-04	3.02e-04
42	68	700.00	-82.47	0.64	5.93e-04	2.70	0.0	2.35e-04
42	69	340.00	-33.08	0.25	-3.10e-04	-0.78	0.0	7.74e-05
42	69	393.33	-33.08	0.25	-3.10e-04	-0.91	-1.65e-04	-1.09e-04
42	69	446.67	-32.90	0.41	-3.57e-04	-1.39	-4.28e-04	2.34e-06
42	69	500.00	-35.74	-2.15	1.67e-04	-1.21	-3.35e-04	9.52e-05
42	69	550.00	-35.49	-2.15	1.67e-04	-0.13	-2.51e-04	1.17e-04
42	69	600.00	-35.25	-2.15	1.67e-04	0.94	-1.67e-04	1.24e-04
42	69	650.00	-35.01	-2.15	1.67e-04	2.01	-8.37e-05	1.26e-04
42	69	700.00	-31.51	0.43	1.67e-04	1.80	0.0	9.77e-05
42	76	340.00	-97.69	-0.07	-2.01e-03	-1.13	0.0	-4.83e-05
42	76	393.33	-97.69	-0.07	-2.01e-03	-1.09	-1.07e-03	-9.30e-05
42	76	446.67	-97.28	0.19	-1.44e-03	-1.37	-2.05e-03	6.49e-05
42	76	500.00	-105.48	-1.76	8.15e-04	-1.26	-1.63e-03	2.65e-04
42	76	550.00	-105.15	-1.76	8.15e-04	-0.38	-1.22e-03	2.93e-04
42	76	600.00	-104.84	-1.76	8.15e-04	0.50	-8.15e-04	3.11e-04
42	76	650.00	-104.53	-1.76	8.15e-04	1.38	-4.08e-04	3.15e-04
42	76	700.00	-94.95	0.28	8.15e-04	1.24	0.0	2.45e-04
42	116	340.00	-51.95	-0.85	-0.46	0.90	-0.12	-9.04e-03
42	116	393.33	-51.95	-0.85	-0.46	0.90	-0.13	-0.01
42	116	446.67	-51.48	-2.87	-0.36	2.93	-0.42	-0.01
42	116	500.00	-56.05	9.70	0.03	6.70	-0.53	-4.93e-03
42	116	550.00	-55.75	9.66	0.12	1.80	-0.50	-2.32e-03
42	116	600.00	-55.44	9.62	0.21	-2.99	-0.41	-3.59e-04
42	116	650.00	-55.25	9.56	0.30	-7.70	-0.28	1.88e-04
42	116	700.00	-50.21	-0.57	0.40	-10.25	-0.10	1.27e-04
42	129	340.00	-51.18	1.67	0.21	-3.64	0.06	7.85e-03
42	129	393.33	-51.18	1.67	0.21	-3.64	0.06	0.01
42	129	446.67	-50.93	5.95	0.16	-8.14	0.20	0.01
42	129	500.00	-54.78	-22.03	-0.02	-15.17	0.26	6.54e-03
42	129	550.00	-54.55	-21.96	-0.05	-4.02	0.24	4.61e-03
42	129	600.00	-54.33	-21.87	-0.08	6.83	0.20	3.72e-03
42	129	650.00	-54.07	-21.77	-0.12	17.58	0.14	3.43e-03
42	129	700.00	-48.94	1.67	-0.16	22.20	0.05	3.10e-03
42	139	340.00	-50.38	1.34	-0.08	-3.18	-0.02	5.61e-04
42	139	393.33	-50.38	1.34	-0.08	-3.18	-0.02	1.34e-03
42	139	446.67	-50.10	4.96	-0.07	-6.98	-0.07	1.37e-03
42	139	500.00	-54.03	-18.59	-8.78e-03	-12.86	-0.08	1.61e-03
42	139	550.00	-53.77	-18.54	0.02	-3.44	-0.08	1.63e-03
42	139	600.00	-53.50	-18.48	0.04	5.70	-0.06	2.02e-03
42	139	650.00	-53.27	-18.41	0.07	14.79	-0.04	2.10e-03
42	139	700.00	-48.22	1.42	0.09	18.65	-0.02	1.88e-03
42	142	340.00	-54.65	-1.48	0.06	2.03	0.01	-2.32e-03
42	142	393.33	-54.65	-1.48	0.06	2.03	0.01	-3.50e-03
42	142	446.67	-54.07	-5.06	0.05	5.71	0.05	-3.38e-03
42	142	500.00	-58.59	17.61	9.52e-03	12.21	0.06	-2.46e-03
42	142	550.00	-58.75	17.56	-0.02	3.32	0.05	-2.02e-03
42	142	600.00	-58.56	17.50	-0.03	-5.43	0.04	-1.94e-03
42	142	650.00	-57.84	17.43	-0.05	-13.94	0.03	-1.89e-03
42	142	700.00	-52.58	-1.11	-0.07	-18.29	0.02	-1.74e-03
42	148	340.00	-51.89	-0.96	-0.52	1.11	-0.14	-0.01
42	148	393.33	-51.89	-0.96	-0.52	1.10	-0.14	-0.01
42	148	446.67	-51.41	-3.27	-0.41	3.43	-0.47	-0.01
42	148	500.00	-56.02	11.14	0.03	7.70	-0.60	-5.57e-03
42	148	550.00	-55.71	11.10	0.13	2.06	-0.56	-2.63e-03
42	148	600.00	-55.39	11.05	0.23	-3.44	-0.46	-4.36e-04
42	148	650.00	-55.21	10.99	0.34	-8.85	-0.32	1.76e-04
42	148	700.00	-50.19	-0.67	0.45	-11.73	-0.12	1.12e-04
42	161	340.00	-51.01	1.89	0.23	-4.03	0.07	8.86e-03
42	161	393.33	-51.01	1.89	0.23	-4.03	0.07	0.01
42	161	446.67	-50.77	6.72	0.18	-9.11	0.23	0.01
42	161	500.00	-54.58	-24.81	-0.02	-17.08	0.29	7.37e-03
42	161	550.00	-54.35	-24.73	-0.06	-4.53	0.27	5.19e-03
42	161	600.00	-54.13	-24.63	-0.10	7.69	0.22	4.19e-03

42	161	650.00	-53.86	-24.51	-0.14	19.80	0.15	3.86e-03
42	161	700.00	-48.74	1.87	-0.18	25.04	0.06	3.49e-03
42	171	340.00	-50.11	1.51	-0.09	-3.51	-0.02	6.48e-04
42	171	393.33	-50.11	1.51	-0.09	-3.51	-0.02	1.52e-03
42	171	446.67	-49.84	5.59	-0.08	-7.78	-0.07	1.55e-03
42	171	500.00	-53.74	-20.88	-0.01	-14.44	-0.09	1.80e-03
42	171	550.00	-53.47	-20.82	0.03	-3.86	-0.09	1.82e-03
42	171	600.00	-53.20	-20.76	0.05	6.40	-0.07	2.26e-03
42	171	650.00	-52.97	-20.68	0.07	16.61	-0.05	2.35e-03
42	171	700.00	-47.93	1.58	0.10	20.99	-0.03	2.10e-03
42	174	340.00	-54.93	-1.67	0.07	2.38	0.02	-2.62e-03
42	174	393.33	-54.93	-1.67	0.07	2.38	0.02	-3.94e-03
42	174	446.67	-54.33	-5.75	0.06	6.58	0.05	-3.82e-03
42	174	500.00	-58.88	20.08	0.01	13.92	0.06	-2.80e-03
42	174	550.00	-59.09	20.02	-0.02	3.78	0.06	-2.30e-03
42	174	600.00	-58.91	19.95	-0.04	-6.19	0.05	-2.21e-03
42	174	650.00	-58.13	19.87	-0.06	-15.90	0.03	-2.15e-03
42	174	700.00	-52.86	-1.29	-0.08	-20.81	0.02	-1.98e-03
42	180	340.00	-51.93	-0.98	-0.51	1.16	-0.14	-0.01
42	180	393.33	-51.93	-0.98	-0.51	1.16	-0.14	-0.01
42	180	446.67	-51.45	-3.40	-0.40	3.58	-0.47	-0.01
42	180	500.00	-56.05	11.58	0.03	8.00	-0.59	-5.60e-03
42	180	550.00	-55.74	11.53	0.13	2.14	-0.55	-2.66e-03
42	180	600.00	-55.42	11.48	0.23	-3.57	-0.46	-5.03e-04
42	180	650.00	-55.24	11.42	0.33	-9.20	-0.31	7.82e-05
42	180	700.00	-50.21	-0.71	0.44	-12.18	-0.11	1.94e-05
42	193	340.00	-50.94	1.93	0.23	-4.14	0.07	8.98e-03
42	193	393.33	-50.94	1.93	0.23	-4.14	0.07	0.01
42	193	446.67	-50.72	6.98	0.18	-9.42	0.23	0.01
42	193	500.00	-54.51	-25.72	-0.02	-17.70	0.29	7.54e-03
42	193	550.00	-54.28	-25.63	-0.06	-4.68	0.27	5.32e-03
42	193	600.00	-54.06	-25.52	-0.09	7.97	0.22	4.32e-03
42	193	650.00	-53.80	-25.40	-0.14	20.52	0.15	4.00e-03
42	193	700.00	-48.68	1.93	-0.18	25.97	0.06	3.62e-03
42	203	340.00	-50.07	1.53	-0.09	-3.57	-0.02	7.01e-04
42	203	393.33	-50.07	1.53	-0.09	-3.57	-0.02	1.53e-03
42	203	446.67	-49.81	5.74	-0.07	-7.96	-0.07	1.59e-03
42	203	500.00	-53.69	-21.41	-0.01	-14.81	-0.09	1.83e-03
42	203	550.00	-53.42	-21.35	0.03	-3.96	-0.08	1.84e-03
42	203	600.00	-53.15	-21.28	0.05	6.56	-0.07	2.26e-03
42	203	650.00	-52.93	-21.21	0.07	17.04	-0.05	2.34e-03
42	203	700.00	-47.89	1.62	0.10	21.53	-0.02	2.09e-03
42	206	340.00	-54.97	-1.69	0.07	2.45	0.02	-2.66e-03
42	206	393.33	-54.97	-1.69	0.07	2.45	0.01	-3.95e-03
42	206	446.67	-54.36	-5.91	0.05	6.78	0.05	-3.83e-03
42	206	500.00	-58.93	20.67	0.01	14.32	0.06	-2.82e-03
42	206	550.00	-59.13	20.61	-0.02	3.88	0.06	-2.31e-03
42	206	600.00	-58.96	20.53	-0.04	-6.37	0.05	-2.21e-03
42	206	650.00	-58.18	20.45	-0.06	-16.37	0.03	-2.15e-03
42	206	700.00	-52.91	-1.33	-0.07	-21.41	0.02	-1.98e-03
42	212	340.00	-51.86	-1.17	-0.59	1.52	-0.16	-0.01
42	212	393.33	-51.86	-1.17	-0.59	1.52	-0.16	-0.01
42	212	446.67	-51.36	-4.11	-0.47	4.48	-0.54	-0.01
42	212	500.00	-56.02	14.16	0.03	9.77	-0.68	-6.65e-03
42	212	550.00	-55.70	14.10	0.15	2.61	-0.64	-3.20e-03
42	212	600.00	-55.37	14.04	0.26	-4.37	-0.53	-6.58e-04
42	212	650.00	-55.20	13.97	0.39	-11.26	-0.36	2.34e-05
42	212	700.00	-50.19	-0.89	0.52	-14.81	-0.13	-3.74e-05
42	225	340.00	-50.63	2.32	0.27	-4.84	0.08	0.01
42	225	393.33	-50.63	2.32	0.27	-4.84	0.08	0.01
42	225	446.67	-50.43	8.38	0.21	-11.18	0.27	0.01
42	225	500.00	-54.14	-30.75	-0.02	-21.16	0.34	9.00e-03
42	225	550.00	-53.91	-30.64	-0.07	-5.60	0.31	6.36e-03
42	225	600.00	-53.69	-30.52	-0.11	9.52	0.26	5.17e-03
42	225	650.00	-53.43	-30.38	-0.16	24.53	0.18	4.79e-03
42	225	700.00	-48.32	2.29	-0.21	31.11	0.07	4.34e-03
42	235	340.00	-49.63	1.81	-0.10	-4.12	-0.02	8.65e-04
42	235	393.33	-49.63	1.81	-0.10	-4.12	-0.03	1.85e-03
42	235	446.67	-49.40	6.80	-0.08	-9.31	-0.08	1.91e-03
42	235	500.00	-53.20	-25.24	-0.01	-17.46	-0.10	2.15e-03
42	235	550.00	-52.93	-25.17	0.03	-4.67	-0.09	2.15e-03
42	235	600.00	-52.66	-25.09	0.06	7.73	-0.08	2.65e-03
42	235	650.00	-52.43	-25.00	0.08	20.08	-0.05	2.73e-03
42	235	700.00	-47.41	1.89	0.11	25.44	-0.03	2.45e-03
42	238	340.00	-55.42	-2.01	0.08	3.04	0.02	-3.15e-03

42	238	393.33	-55.42	-2.01	0.08	3.04	0.02	-4.66e-03
42	238	446.67	-54.78	-7.07	0.06	8.23	0.05	-4.54e-03
42	238	500.00	-59.42	24.82	0.01	17.19	0.07	-3.36e-03
42	238	550.00	-59.68	24.74	-0.02	4.66	0.06	-2.76e-03
42	238	600.00	-59.53	24.66	-0.04	-7.65	0.05	-2.63e-03
42	238	650.00	-58.67	24.56	-0.06	-19.66	0.04	-2.56e-03
42	238	700.00	-53.37	-1.62	-0.09	-25.65	0.02	-2.35e-03
42	264	340.00	-59.76	0.03	-0.18	-0.74	0.0	-3.05e-03
42	264	393.33	-59.76	0.03	-0.18	-0.76	-0.10	-3.53e-03
42	264	446.67	-59.56	0.20	-0.14	-1.02	-0.20	-1.59e-03
42	264	500.00	-64.67	-1.39	0.08	-0.92	-0.16	1.42e-03
42	264	550.00	-64.42	-1.39	0.08	-0.23	-0.12	1.76e-03
42	264	600.00	-64.18	-1.39	0.08	0.47	-0.08	2.01e-03
42	264	650.00	-63.94	-1.39	0.08	1.16	-0.04	2.10e-03
42	264	700.00	-57.91	0.24	0.08	1.04	0.0	1.66e-03
42	273	340.00	-35.84	0.17	-4.79e-04	-0.68	0.0	4.18e-05
42	273	393.33	-35.84	0.17	-4.79e-04	-0.77	-2.55e-04	-9.39e-05
42	273	446.67	-35.67	0.31	-4.36e-04	-1.14	-5.66e-04	4.14e-06
42	273	500.00	-38.76	-1.71	2.23e-04	-1.00	-4.46e-04	9.54e-05
42	273	550.00	-38.51	-1.71	2.23e-04	-0.14	-3.34e-04	1.14e-04
42	273	600.00	-38.27	-1.71	2.23e-04	0.72	-2.23e-04	1.21e-04
42	273	650.00	-38.03	-1.71	2.23e-04	1.57	-1.11e-04	1.23e-04
42	273	700.00	-34.25	0.34	2.23e-04	1.41	0.0	9.58e-05
42	276	340.00	-59.66	0.17	-9.44e-04	-1.01	0.0	4.75e-05
42	276	393.33	-59.66	0.17	-9.44e-04	-1.10	-5.03e-04	-1.16e-04
42	276	446.67	-59.45	0.38	-7.81e-04	-1.57	-1.05e-03	2.66e-05
42	276	500.00	-64.58	-2.30	4.15e-04	-1.39	-8.30e-04	1.69e-04
42	276	550.00	-64.33	-2.30	4.15e-04	-0.24	-6.23e-04	1.97e-04
42	276	600.00	-64.09	-2.30	4.15e-04	0.91	-4.15e-04	2.08e-04
42	276	650.00	-63.85	-2.30	4.15e-04	2.06	-2.08e-04	2.11e-04
42	276	700.00	-57.85	0.44	4.15e-04	1.84	0.0	1.64e-04
42	280	340.00	-68.21	-0.05	-1.39e-03	-0.79	0.0	-3.27e-05
42	280	393.33	-68.21	-0.05	-1.39e-03	-0.76	-7.42e-04	-6.21e-05
42	280	446.67	-67.91	0.13	-9.91e-04	-0.96	-1.42e-03	4.68e-05
42	280	500.00	-73.62	-1.23	5.63e-04	-0.88	-1.13e-03	1.85e-04
42	280	550.00	-73.37	-1.23	5.63e-04	-0.26	-8.45e-04	2.05e-04
42	280	600.00	-73.13	-1.23	5.63e-04	0.35	-5.63e-04	2.17e-04
42	280	650.00	-72.89	-1.23	5.63e-04	0.97	-2.82e-04	2.20e-04
42	280	700.00	-66.17	0.20	5.63e-04	0.87	0.0	1.71e-04
42	298	340.00	-55.18	-4.24e-04	-1.10e-03	-0.70	0.0	-1.55e-05
42	298	393.33	-55.18	-4.24e-04	-1.10e-03	-0.70	-5.85e-04	-6.47e-05
42	298	446.67	-54.77	0.16	-8.02e-04	-0.91	-1.14e-03	3.31e-05
42	298	500.00	-59.21	-1.23	4.51e-04	-0.83	-9.01e-04	1.50e-04
42	298	550.00	-58.96	-1.23	4.51e-04	-0.21	-6.76e-04	1.68e-04
42	298	600.00	-58.72	-1.23	4.51e-04	0.40	-4.51e-04	1.78e-04
42	298	650.00	-58.48	-1.23	4.51e-04	1.02	-2.25e-04	1.81e-04
42	298	700.00	-53.10	0.21	4.51e-04	0.91	0.0	1.40e-04
42	305	340.00	-52.42	6.02e-03	-0.04	-0.66	0.0	-6.22e-04
42	305	393.33	-52.42	6.02e-03	-0.04	-0.66	-0.02	-7.54e-04
42	305	446.67	-52.05	0.15	-0.03	-0.87	-0.04	-2.96e-04
42	305	500.00	-56.29	-1.17	0.02	-0.79	-0.03	3.93e-04
42	305	550.00	-56.04	-1.17	0.02	-0.20	-0.02	4.73e-04
42	305	600.00	-55.80	-1.17	0.02	0.39	-0.02	5.30e-04
42	305	650.00	-55.56	-1.17	0.02	0.97	-8.22e-03	5.52e-04
42	305	700.00	-50.40	0.20	0.02	0.87	0.0	4.33e-04
42	306	340.00	-36.09	0.04	-6.47e-04	-0.47	0.0	-9.35e-06
42	306	393.33	-36.09	0.04	-6.47e-04	-0.49	-3.45e-04	-5.56e-05
42	306	446.67	-35.92	0.14	-4.85e-04	-0.67	-6.80e-04	1.13e-05
42	306	500.00	-39.01	-0.93	2.69e-04	-0.60	-5.39e-04	8.81e-05
42	306	550.00	-38.76	-0.93	2.69e-04	-0.13	-4.04e-04	1.00e-04
42	306	600.00	-38.52	-0.93	2.69e-04	0.33	-2.69e-04	1.07e-04
42	306	650.00	-38.28	-0.93	2.69e-04	0.79	-1.35e-04	1.09e-04
42	306	700.00	-34.46	0.17	2.69e-04	0.71	0.0	8.45e-05
42	307	340.00	-52.40	0.03	-9.98e-04	-0.71	0.0	-3.63e-06
42	307	393.33	-52.40	0.03	-9.98e-04	-0.73	-5.32e-04	-7.16e-05
42	307	446.67	-52.03	0.19	-7.46e-04	-0.98	-1.05e-03	2.84e-05
42	307	500.00	-56.27	-1.36	4.15e-04	-0.88	-8.29e-04	1.43e-04
42	307	550.00	-56.02	-1.36	4.15e-04	-0.20	-6.22e-04	1.61e-04
42	307	600.00	-55.78	-1.36	4.15e-04	0.48	-4.15e-04	1.71e-04
42	307	650.00	-55.54	-1.36	4.15e-04	1.15	-2.07e-04	1.73e-04
42	307	700.00	-50.39	0.24	4.15e-04	1.03	0.0	1.35e-04
42	309	340.00	-36.15	3.67e-03	-6.89e-04	-0.42	0.0	-2.21e-05
42	309	393.33	-36.15	3.67e-03	-6.89e-04	-0.42	-3.67e-04	-4.60e-05
42	309	446.67	-35.98	0.10	-4.97e-04	-0.55	-7.08e-04	1.31e-05
42	309	500.00	-39.07	-0.73	2.81e-04	-0.50	-5.62e-04	8.63e-05

42	309	550.00	-38.82	-0.73	2.81e-004	-0.13	-4.22e-004	9.68e-005
42	309	600.00	-38.58	-0.73	2.81e-004	0.23	-2.81e-004	1.03e-004
42	309	650.00	-38.34	-0.73	2.81e-004	0.60	-1.41e-004	1.05e-004
42	309	700.00	-34.52	0.12	2.81e-004	0.54	0.0	8.17e-005
42	310	340.00	-52.46	1.61e-004	-1.04e-003	-0.66	0.0	-1.64e-005
42	310	393.33	-52.46	1.61e-004	-1.04e-003	-0.66	-5.54e-004	-6.20e-005
42	310	446.67	-52.09	0.15	-7.58e-004	-0.86	-1.07e-003	3.02e-005
42	310	500.00	-56.33	-1.16	4.26e-004	-0.78	-8.53e-004	1.41e-004
42	310	550.00	-56.08	-1.16	4.26e-004	-0.20	-6.39e-004	1.58e-004
42	310	600.00	-55.84	-1.16	4.26e-004	0.38	-4.26e-004	1.67e-004
42	310	650.00	-55.60	-1.16	4.26e-004	0.96	-2.13e-004	1.70e-004
42	310	700.00	-50.45	0.20	4.26e-004	0.86	0.0	1.32e-004

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-105.48	-30.75	-0.59	-25.65	-0.68	-0.01
	-31.51	24.82	0.52	31.11	0.34	0.01

Macro	Tipo	Angolo 1-Z (gradi)
43	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
43	44	340.00	-63.62	1.87	-2.17	-12.08	0.0	0.24
43	44	393.33	-63.62	1.87	-2.17	-13.08	-1.16	0.32
43	44	446.67	-65.86	2.73	-1.58	-13.72	-2.00	0.13
43	44	500.00	-71.60	3.53	-0.92	-17.28	-2.52	0.06
43	44	550.00	-73.09	3.55	-0.11	-17.24	-2.57	-0.06
43	44	600.00	-74.35	3.58	0.74	-17.42	-2.20	-0.19
43	44	650.00	-75.23	3.63	1.66	-17.91	-1.37	-0.28
43	44	700.00	-64.89	1.37	2.84	-24.38	0.02	-0.26
43	45	340.00	-25.62	0.99	-2.20	-4.45	0.0	0.24
43	45	393.33	-25.62	0.99	-2.20	-4.98	-1.17	0.32
43	45	446.67	-26.30	1.29	-1.60	-5.31	-2.03	0.13
43	45	500.00	-28.51	1.43	-0.91	-6.59	-2.54	0.06
43	45	550.00	-29.08	1.44	-0.09	-6.36	-2.59	-0.06
43	45	600.00	-29.54	1.45	0.76	-6.24	-2.21	-0.19
43	45	650.00	-29.82	1.47	1.67	-6.27	-1.37	-0.28
43	45	700.00	-25.30	0.78	2.84	-9.03	0.02	-0.26
43	52	340.00	-77.09	0.83	0.05	-16.04	0.0	8.92e-03
43	52	393.33	-77.09	0.83	0.05	-16.49	0.03	0.01
43	52	446.67	-79.68	1.58	0.04	-17.09	0.05	5.12e-03
43	52	500.00	-86.37	1.15	-0.01	-21.13	0.04	-7.51e-04
43	52	550.00	-86.97	1.50	-0.03	-20.76	0.03	-3.89e-03
43	52	600.00	-87.40	1.82	-0.03	-20.70	0.01	-5.29e-03
43	52	650.00	-87.50	2.13	-0.02	-21.06	1.85e-03	-5.21e-03
43	52	700.00	-74.71	0.03	-1.87e-03	-28.46	-6.78e-04	-2.36e-03
43	92	340.00	-65.90	1.69	0.05	-10.36	0.0	7.90e-03
43	92	393.33	-65.90	1.69	0.05	-11.27	0.03	9.97e-03
43	92	446.67	-67.87	2.84	0.04	-11.89	0.05	4.54e-03
43	92	500.00	-72.83	5.19	-8.83e-03	-15.97	0.04	-8.67e-04
43	92	550.00	-74.15	4.93	-0.03	-16.75	0.03	-3.94e-03
43	92	600.00	-75.28	4.71	-0.03	-17.60	0.02	-5.49e-03
43	92	650.00	-76.07	4.57	-0.03	-18.63	2.39e-03	-5.60e-03
43	92	700.00	-66.06	1.79	-3.27e-03	-25.04	-6.69e-04	-2.69e-03
43	113	340.00	-135.31	-12.21	-0.60	-25.60	-0.17	-0.22
43	113	393.33	-135.31	-12.21	-0.60	-25.96	-0.16	-0.20
43	113	446.67	-130.34	-13.63	-0.30	-24.75	-0.41	-0.10
43	113	500.00	-136.04	-32.40	0.70	-35.15	-0.28	0.02
43	113	550.00	-118.44	-32.05	0.66	-30.08	0.07	0.12
43	113	600.00	-97.25	-31.92	0.40	-28.91	0.35	0.14
43	113	650.00	-84.19	-31.81	0.02	-23.44	0.45	0.14
43	113	700.00	-66.08	-21.44	-0.85	-16.65	0.18	0.10
43	116	340.00	50.98	13.58	0.66	10.81	0.17	0.23
43	116	393.33	50.98	13.58	0.66	10.45	0.19	0.21
43	116	446.67	43.84	16.13	0.35	8.57	0.46	0.11
43	116	500.00	43.30	36.22	-0.71	14.30	0.33	-0.02
43	116	550.00	24.90	35.89	-0.69	8.93	-0.04	-0.12
43	116	600.00	3.11	35.79	-0.43	7.26	-0.33	-0.15
43	116	650.00	-10.17	35.75	-0.05	0.97	-0.45	-0.15
43	116	700.00	-14.75	22.48	0.84	-13.90	-0.18	-0.10
43	132	340.00	42.07	15.00	0.49	45.51	0.13	0.12
43	132	393.33	42.07	15.00	0.49	45.14	0.14	0.11

43	132	446.67	34.28	20.56	0.29	42.55	0.37	0.05
43	132	500.00	42.08	60.86	-0.41	51.01	0.32	-0.02
43	132	550.00	24.39	60.35	-0.43	34.09	0.10	-0.08
43	132	600.00	4.32	60.18	-0.30	19.89	-0.02	-0.09
43	132	650.00	-11.75	60.10	-0.13	3.40	-0.12	-0.09
43	132	700.00	-34.35	36.72	0.42	-22.64	-0.07	-0.05
43	145	340.00	-147.14	-13.86	-0.68	-28.11	-0.19	-0.24
43	145	393.33	-147.14	-13.86	-0.68	-28.48	-0.18	-0.22
43	145	446.67	-141.39	-15.55	-0.34	-27.06	-0.46	-0.12
43	145	500.00	-147.48	-36.92	0.78	-38.51	-0.32	0.02
43	145	550.00	-127.58	-36.52	0.74	-32.71	0.08	0.13
43	145	600.00	-103.67	-36.38	0.45	-31.27	0.39	0.16
43	145	650.00	-88.87	-36.26	0.03	-25.00	0.50	0.16
43	145	700.00	-69.26	-24.33	-0.95	-16.81	0.20	0.11
43	148	340.00	62.81	15.22	0.74	13.33	0.19	0.25
43	148	393.33	62.81	15.22	0.74	12.97	0.21	0.23
43	148	446.67	54.89	18.05	0.39	10.89	0.52	0.12
43	148	500.00	54.73	40.74	-0.79	17.66	0.37	-0.02
43	148	550.00	34.04	40.37	-0.77	11.55	-0.04	-0.14
43	148	600.00	9.53	40.26	-0.49	9.62	-0.38	-0.17
43	148	650.00	-5.50	40.21	-0.06	2.53	-0.50	-0.17
43	148	700.00	-11.56	25.36	0.95	-13.74	-0.20	-0.11
43	164	340.00	53.17	16.88	0.55	52.56	0.14	0.14
43	164	393.33	53.17	16.88	0.55	52.20	0.16	0.13
43	164	446.67	44.49	23.11	0.32	49.31	0.42	0.06
43	164	500.00	53.74	68.69	-0.46	59.19	0.36	-0.02
43	164	550.00	33.78	68.13	-0.48	40.03	0.11	-0.09
43	164	600.00	11.11	67.92	-0.34	23.95	-0.02	-0.11
43	164	650.00	-7.15	67.83	-0.14	5.33	-0.14	-0.11
43	164	700.00	-33.54	41.53	0.47	-23.59	-0.08	-0.06
43	180	340.00	63.38	15.35	0.74	14.68	0.19	0.25
43	180	393.33	63.38	15.35	0.74	14.31	0.21	0.23
43	180	446.67	55.38	18.31	0.39	12.18	0.52	0.12
43	180	500.00	55.55	41.93	-0.78	19.11	0.37	-0.02
43	180	550.00	34.68	41.55	-0.77	12.56	-0.04	-0.13
43	180	600.00	10.15	41.44	-0.49	10.07	-0.36	-0.17
43	180	650.00	-5.41	41.39	-0.06	2.67	-0.49	-0.17
43	180	700.00	-11.84	26.07	0.93	-13.84	-0.20	-0.11
43	193	340.00	-140.50	-16.02	-0.50	-69.70	-0.15	-0.13
43	193	393.33	-140.50	-16.02	-0.50	-70.07	-0.13	-0.12
43	193	446.67	-133.69	-21.35	-0.28	-67.75	-0.37	-0.05
43	193	500.00	-149.58	-67.39	0.45	-82.73	-0.32	0.02
43	193	550.00	-129.89	-66.78	0.46	-63.06	-0.08	0.09
43	193	600.00	-107.21	-66.53	0.31	-46.69	0.04	0.10
43	193	650.00	-88.05	-66.36	0.12	-28.34	0.14	0.10
43	193	700.00	-47.57	-42.01	-0.48	-6.83	0.08	0.05
43	196	340.00	56.17	17.38	0.56	54.92	0.15	0.14
43	196	393.33	56.17	17.38	0.56	54.56	0.16	0.13
43	196	446.67	47.18	23.85	0.33	51.58	0.43	0.06
43	196	500.00	56.84	71.21	-0.46	61.87	0.37	-0.02
43	196	550.00	36.35	70.62	-0.49	41.91	0.11	-0.09
43	196	600.00	13.07	70.41	-0.34	25.04	-0.02	-0.11
43	196	650.00	-6.31	70.31	-0.15	5.87	-0.14	-0.11
43	196	700.00	-33.26	43.05	0.47	-23.72	-0.08	-0.06
43	212	340.00	82.58	18.06	0.86	19.53	0.22	0.29
43	212	393.33	82.58	18.06	0.86	19.17	0.24	0.27
43	212	446.67	73.30	21.53	0.45	16.68	0.60	0.14
43	212	500.00	74.29	49.88	-0.92	25.39	0.43	-0.02
43	212	550.00	49.65	49.43	-0.90	17.38	-0.05	-0.16
43	212	600.00	20.70	49.30	-0.57	14.15	-0.43	-0.20
43	212	650.00	2.13	49.23	-0.07	5.26	-0.57	-0.20
43	212	700.00	-6.98	31.11	1.09	-13.70	-0.23	-0.13
43	225	340.00	-160.20	-19.36	-0.60	-82.55	-0.17	-0.15
43	225	393.33	-160.20	-19.36	-0.60	-82.92	-0.16	-0.14
43	225	446.67	-151.77	-25.92	-0.34	-80.06	-0.45	-0.06
43	225	500.00	-170.26	-81.56	0.54	-97.60	-0.39	0.03
43	225	550.00	-146.59	-80.83	0.55	-73.83	-0.10	0.10
43	225	600.00	-119.34	-80.54	0.37	-53.96	0.04	0.12
43	225	650.00	-96.13	-80.35	0.15	-31.78	0.16	0.12
43	225	700.00	-48.88	-50.70	-0.56	-5.11	0.10	0.06
43	228	340.00	75.87	20.73	0.66	67.77	0.17	0.16
43	228	393.33	75.87	20.73	0.66	67.40	0.19	0.15
43	228	446.67	65.27	28.42	0.38	63.89	0.50	0.07
43	228	500.00	77.51	85.39	-0.55	76.74	0.44	-0.03
43	228	550.00	53.05	84.68	-0.58	52.68	0.13	-0.11

43	228	600.00	25.20	84.42	-0.40	32.31	-0.02	-0.13
43	228	650.00	1.77	84.29	-0.18	9.31	-0.16	-0.13
43	228	700.00	-31.95	51.74	0.56	-25.44	-0.10	-0.07
43	261	340.00	-28.62	0.81	-1.46	-4.83	0.0	0.16
43	261	393.33	-28.62	0.81	-1.46	-5.27	-0.78	0.21
43	261	446.67	-29.35	1.16	-1.06	-5.60	-1.34	0.09
43	261	500.00	-31.62	1.39	-0.61	-7.09	-1.69	0.04
43	261	550.00	-32.04	1.40	-0.07	-6.96	-1.72	-0.04
43	261	600.00	-32.36	1.41	0.50	-6.92	-1.47	-0.13
43	261	650.00	-32.52	1.43	1.11	-7.03	-0.92	-0.19
43	261	700.00	-27.61	0.68	1.90	-9.98	0.01	-0.17
43	264	340.00	-45.33	1.26	-1.44	-8.44	0.0	0.16
43	264	393.33	-45.33	1.26	-1.44	-9.12	-0.77	0.21
43	264	446.67	-46.85	1.86	-1.05	-9.57	-1.33	0.09
43	264	500.00	-50.82	2.42	-0.61	-12.09	-1.68	0.04
43	264	550.00	-51.78	2.44	-0.07	-12.06	-1.72	-0.04
43	264	600.00	-52.57	2.45	0.49	-12.18	-1.47	-0.13
43	264	650.00	-53.11	2.49	1.11	-12.53	-0.92	-0.19
43	264	700.00	-45.70	0.94	1.90	-17.12	0.01	-0.17
43	268	340.00	-54.31	0.57	0.04	-11.08	0.0	6.15e-03
43	268	393.33	-54.31	0.57	0.04	-11.39	0.02	7.74e-03
43	268	446.67	-56.07	1.10	0.03	-11.81	0.03	3.57e-03
43	268	500.00	-60.67	0.83	-7.61e-03	-14.65	0.03	-4.83e-04
43	268	550.00	-61.03	1.07	-0.02	-14.41	0.02	-2.68e-03
43	268	600.00	-61.27	1.28	-0.02	-14.37	0.01	-3.67e-03
43	268	650.00	-61.28	1.49	-0.02	-14.62	1.40e-03	-3.65e-03
43	268	700.00	-52.25	0.05	-1.54e-03	-19.84	-4.68e-04	-1.67e-03
43	288	340.00	-46.86	1.14	0.03	-7.30	0.0	5.47e-03
43	288	393.33	-46.86	1.14	0.03	-7.91	0.02	6.92e-03
43	288	446.67	-48.19	1.94	0.03	-8.35	0.03	3.18e-03
43	288	500.00	-51.65	3.53	-5.86e-03	-11.22	0.03	-5.60e-04
43	288	550.00	-52.48	3.35	-0.02	-11.74	0.02	-2.71e-03
43	288	600.00	-53.19	3.21	-0.02	-12.30	0.01	-3.81e-03
43	288	650.00	-53.66	3.12	-0.02	-13.01	1.76e-03	-3.91e-03
43	288	700.00	-46.48	1.22	-2.48e-03	-17.56	-4.61e-04	-1.89e-03
43	298	340.00	-44.03	0.74	0.03	-7.82	0.0	5.10e-03
43	298	393.33	-44.03	0.74	0.03	-8.21	0.02	6.43e-03
43	298	446.67	-45.19	1.33	0.02	-8.55	0.03	2.96e-03
43	298	500.00	-48.49	2.05	-5.73e-03	-11.00	0.03	-4.53e-04
43	298	550.00	-48.96	2.06	-0.02	-11.17	0.02	-2.38e-03
43	298	600.00	-49.32	2.08	-0.02	-11.44	9.17e-03	-3.33e-03
43	298	650.00	-49.48	2.11	-0.02	-11.88	1.38e-03	-3.37e-03
43	298	700.00	-42.44	0.54	-1.80e-03	-16.10	-4.16e-04	-1.58e-03
43	304	340.00	-30.51	0.45	-0.28	-4.83	0.0	0.03
43	304	393.33	-30.51	0.45	-0.28	-5.07	-0.15	0.05
43	304	446.67	-31.17	0.82	-0.20	-5.39	-0.25	0.02
43	304	500.00	-33.25	1.14	-0.12	-7.01	-0.32	7.53e-03
43	304	550.00	-33.33	1.15	-0.02	-7.02	-0.33	-9.24e-03
43	304	600.00	-33.35	1.16	0.09	-7.10	-0.29	-0.03
43	304	650.00	-33.24	1.18	0.21	-7.29	-0.18	-0.04
43	304	700.00	-28.12	0.46	0.38	-10.27	2.06e-03	-0.04
43	305	340.00	-41.69	0.77	-0.27	-7.39	0.0	0.04
43	305	393.33	-41.69	0.77	-0.27	-7.81	-0.14	0.05
43	305	446.67	-42.80	1.33	-0.19	-8.14	-0.24	0.02
43	305	500.00	-45.97	1.97	-0.13	-10.45	-0.32	7.28e-03
43	305	550.00	-46.45	1.98	-0.03	-10.56	-0.33	-0.01
43	305	600.00	-46.82	2.00	0.09	-10.78	-0.29	-0.03
43	305	650.00	-47.00	2.03	0.21	-11.17	-0.18	-0.04
43	305	700.00	-40.28	0.58	0.38	-15.21	1.91e-03	-0.04
43	309	340.00	-30.99	0.36	0.02	-4.83	0.0	3.06e-03
43	309	393.33	-30.99	0.36	0.02	-5.02	9.57e-03	3.93e-03
43	309	446.67	-31.62	0.74	0.02	-5.33	0.02	1.90e-03
43	309	500.00	-33.66	1.08	-2.33e-03	-7.00	0.02	-1.60e-04
43	309	550.00	-33.65	1.09	-9.16e-03	-7.04	0.01	-1.44e-03
43	309	600.00	-33.59	1.10	-0.01	-7.15	6.74e-03	-2.15e-03
43	309	650.00	-33.41	1.12	-0.01	-7.36	1.60e-03	-2.31e-03
43	309	700.00	-28.24	0.41	-2.51e-03	-10.34	-2.37e-04	-1.21e-03
43	310	340.00	-42.17	0.68	0.03	-7.39	0.0	4.81e-03
43	310	393.33	-42.17	0.68	0.03	-7.76	0.02	6.07e-03
43	310	446.67	-43.25	1.25	0.02	-8.09	0.03	2.81e-03
43	310	500.00	-46.37	1.91	-5.24e-03	-10.43	0.02	-4.11e-04
43	310	550.00	-46.77	1.92	-0.02	-10.58	0.02	-2.25e-03
43	310	600.00	-47.07	1.94	-0.02	-10.82	8.83e-03	-3.16e-03
43	310	650.00	-47.18	1.97	-0.01	-11.24	1.41e-03	-3.22e-03
43	310	700.00	-40.41	0.52	-1.90e-03	-15.28	-3.90e-04	-1.53e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-170.26	-81.56	-2.20	-97.60	-2.59	-0.28
	82.58	85.39	2.84	76.74	0.60	0.32

Macro	Tipo	Angolo 1-Z (gradi)
44	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
44	44	340.00	-36.02	-2.73	-0.06	3.59	-2.00e-05	-0.01
44	44	393.33	-36.02	-2.73	-0.06	2.13	-0.03	-0.02
44	44	446.67	-34.65	-3.30	-0.05	3.21	-0.06	-8.25e-03
44	44	500.00	-35.14	-7.03	-0.04	3.99	-0.08	-6.23e-03
44	44	550.00	-31.97	-6.46	-0.02	2.58	-0.10	5.18e-04
44	44	600.00	-29.09	-5.97	-4.68e-04	1.21	-0.10	9.63e-03
44	44	650.00	-26.58	-5.56	0.05	-0.25	-0.07	0.02
44	44	700.00	-22.13	-4.18	0.14	-0.38	1.75e-06	0.02
44	68	340.00	-29.40	-0.97	2.14	0.77	2.71e-04	-0.25
44	68	393.33	-29.40	-0.97	2.14	0.26	1.14	-0.33
44	68	446.67	-27.99	-1.24	1.56	1.44	1.97	-0.13
44	68	500.00	-28.19	-2.63	0.86	2.43	2.46	-0.06
44	68	550.00	-26.59	-2.61	0.06	1.72	2.49	0.06
44	68	600.00	-25.15	-2.61	-0.77	0.90	2.11	0.20
44	68	650.00	-23.98	-2.62	-1.64	-0.12	1.29	0.30
44	68	700.00	-20.81	-2.24	-2.58	-0.12	0.0	0.28
44	69	340.00	-12.23	0.23	2.18	0.17	2.83e-04	-0.24
44	69	393.33	-12.23	0.23	2.18	0.30	1.16	-0.32
44	69	446.67	-11.54	0.15	1.59	0.79	2.01	-0.13
44	69	500.00	-11.70	-0.20	0.89	1.14	2.52	-0.06
44	69	550.00	-11.40	-0.19	0.08	0.78	2.55	0.06
44	69	600.00	-11.14	-0.19	-0.77	0.40	2.17	0.19
44	69	650.00	-10.94	-0.19	-1.67	-0.03	1.33	0.29
44	69	700.00	-9.75	-0.22	-2.67	5.36e-04	0.0	0.27
44	76	340.00	-39.59	-2.59	-0.72	1.52	-1.08e-04	0.06
44	76	393.33	-39.59	-2.59	-0.72	0.14	-0.39	0.08
44	76	446.67	-37.90	-2.86	-0.54	1.41	-0.67	0.03
44	76	500.00	-37.72	-4.76	-0.33	2.87	-0.86	8.22e-03
44	76	550.00	-34.61	-4.74	-0.06	2.27	-0.89	-0.02
44	76	600.00	-31.77	-4.74	0.22	1.48	-0.78	-0.05
44	76	650.00	-29.30	-4.74	0.57	0.40	-0.49	-0.06
44	76	700.00	-24.72	-3.91	0.98	0.43	2.33e-06	-0.05
44	116	340.00	-88.39	-13.35	0.45	46.38	0.13	0.12
44	116	393.33	-88.40	-13.35	0.45	45.71	0.12	0.10
44	116	446.67	-81.05	-18.10	0.26	43.86	0.33	0.03
44	116	500.00	-94.72	-54.47	-0.39	53.12	0.28	-0.02
44	116	550.00	-75.47	-53.96	-0.42	36.46	0.06	-0.07
44	116	600.00	-72.21	-53.72	-0.28	17.29	-0.07	-0.08
44	116	650.00	-51.90	-53.55	-0.09	5.54	-0.13	-0.07
44	116	700.00	-24.51	-33.10	0.51	-6.11	-0.09	-0.04
44	129	340.00	81.13	13.28	-0.89	-19.46	-0.23	-0.25
44	129	393.33	81.14	13.28	-0.89	-20.13	-0.25	-0.23
44	129	446.67	75.02	15.85	-0.52	-17.54	-0.64	-0.12
44	129	500.00	79.38	36.36	0.70	-24.71	-0.56	0.02
44	129	550.00	62.12	36.09	0.74	-18.72	-0.17	0.13
44	129	600.00	49.62	35.97	0.50	-12.65	0.22	0.16
44	129	650.00	30.43	35.89	0.16	-9.90	0.34	0.16
44	129	700.00	14.65	23.39	-0.80	-4.70	0.22	0.11
44	132	340.00	-126.71	-15.80	0.82	21.22	0.23	0.23
44	132	393.33	-126.71	-15.80	0.82	20.55	0.22	0.21
44	132	446.67	-118.55	-18.61	0.46	19.33	0.57	0.10
44	132	500.00	-122.68	-41.03	-0.76	28.13	0.46	-0.03
44	132	550.00	-102.05	-40.75	-0.78	21.44	0.05	-0.13
44	132	600.00	-86.45	-40.63	-0.51	14.47	-0.34	-0.15
44	132	650.00	-64.54	-40.55	-0.10	10.54	-0.42	-0.14
44	132	700.00	-43.55	-27.22	0.98	5.42	-0.22	-0.08
44	148	340.00	-96.86	-14.90	0.52	52.03	0.15	0.13
44	148	393.33	-96.87	-14.90	0.52	51.36	0.14	0.12
44	148	446.67	-88.71	-20.22	0.30	49.19	0.38	0.04
44	148	500.00	-104.04	-61.00	-0.43	59.51	0.32	-0.03
44	148	550.00	-82.59	-60.43	-0.48	40.85	0.07	-0.08
44	148	600.00	-79.08	-60.15	-0.32	19.36	-0.07	-0.09

44	148	650.00	-56.38	-59.97	-0.11	6.22	-0.15	-0.08
44	148	700.00	-25.90	-37.01	0.57	-6.88	-0.10	-0.04
44	161	340.00	94.87	15.20	-1.00	-22.05	-0.26	-0.28
44	161	393.33	94.87	15.20	-1.00	-22.72	-0.28	-0.26
44	161	446.67	87.82	18.11	-0.58	-19.89	-0.72	-0.13
44	161	500.00	92.68	41.38	0.80	-28.10	-0.62	0.02
44	161	550.00	72.96	41.08	0.84	-21.32	-0.18	0.14
44	161	600.00	58.57	40.95	0.57	-14.43	0.25	0.18
44	161	650.00	36.74	40.86	0.18	-11.23	0.39	0.18
44	161	700.00	18.54	26.69	-0.92	-5.40	0.25	0.13
44	164	340.00	-140.45	-17.72	0.94	23.81	0.26	0.27
44	164	393.33	-140.45	-17.72	0.94	23.15	0.25	0.24
44	164	446.67	-131.35	-20.88	0.52	21.68	0.65	0.12
44	164	500.00	-135.98	-46.06	-0.86	31.52	0.53	-0.03
44	164	550.00	-112.89	-45.74	-0.88	24.03	0.07	-0.14
44	164	600.00	-95.40	-45.60	-0.58	16.26	-0.37	-0.17
44	164	650.00	-70.85	-45.52	-0.12	11.88	-0.47	-0.16
44	164	700.00	-47.44	-30.52	1.10	6.11	-0.25	-0.10
44	180	340.00	-98.08	-15.07	0.54	51.50	0.16	0.14
44	180	393.33	-98.09	-15.07	0.54	50.83	0.14	0.12
44	180	446.67	-89.88	-20.33	0.31	48.67	0.39	0.04
44	180	500.00	-104.69	-60.75	-0.45	59.00	0.33	-0.03
44	180	550.00	-83.34	-60.18	-0.49	40.60	0.08	-0.08
44	180	600.00	-79.54	-59.91	-0.33	19.45	-0.07	-0.09
44	180	650.00	-56.92	-59.73	-0.11	6.34	-0.15	-0.08
44	180	700.00	-26.62	-36.94	0.58	-6.56	-0.11	-0.04
44	193	340.00	98.76	15.74	-1.05	-22.27	-0.27	-0.29
44	193	393.33	98.77	15.74	-1.05	-22.94	-0.30	-0.27
44	193	446.67	91.49	18.69	-0.61	-20.05	-0.75	-0.13
44	193	500.00	96.20	42.30	0.83	-28.49	-0.65	0.02
44	193	550.00	75.95	41.99	0.88	-21.73	-0.19	0.15
44	193	600.00	60.86	41.86	0.60	-14.93	0.25	0.19
44	193	650.00	38.73	41.77	0.19	-11.53	0.40	0.19
44	193	700.00	19.93	27.37	-0.96	-5.73	0.25	0.13
44	196	340.00	-144.34	-18.26	0.98	24.03	0.27	0.28
44	196	393.33	-144.35	-18.26	0.98	23.36	0.26	0.25
44	196	446.67	-135.02	-21.46	0.55	21.85	0.68	0.12
44	196	500.00	-139.50	-46.97	-0.89	31.91	0.55	-0.03
44	196	550.00	-115.88	-46.65	-0.92	24.45	0.07	-0.15
44	196	600.00	-97.69	-46.51	-0.60	16.76	-0.37	-0.18
44	196	650.00	-72.84	-46.43	-0.13	12.18	-0.49	-0.17
44	196	700.00	-48.83	-31.20	1.13	6.45	-0.25	-0.10
44	212	340.00	-112.32	-17.64	0.65	60.16	0.19	0.17
44	212	393.33	-112.33	-17.64	0.65	59.49	0.18	0.15
44	212	446.67	-102.83	-23.78	0.38	56.82	0.48	0.05
44	212	500.00	-119.96	-70.98	-0.53	68.87	0.41	-0.03
44	212	550.00	-95.18	-70.32	-0.59	47.44	0.10	-0.10
44	212	600.00	-90.88	-70.00	-0.40	22.79	-0.08	-0.11
44	212	650.00	-64.48	-69.78	-0.14	7.54	-0.17	-0.10
44	212	700.00	-29.20	-43.14	0.68	-7.64	-0.13	-0.06
44	225	340.00	123.33	19.17	-1.26	-26.56	-0.33	-0.35
44	225	393.33	123.33	19.17	-1.25	-27.23	-0.35	-0.32
44	225	446.67	114.40	22.70	-0.73	-23.92	-0.89	-0.16
44	225	500.00	119.84	50.95	1.00	-34.17	-0.77	0.02
44	225	550.00	95.29	50.58	1.06	-26.15	-0.22	0.18
44	225	600.00	76.78	50.43	0.72	-18.08	0.32	0.23
44	225	650.00	50.07	50.32	0.23	-13.93	0.49	0.23
44	225	700.00	27.03	33.10	-1.17	-7.06	0.31	0.15
44	228	340.00	-168.91	-21.68	1.19	28.32	0.33	0.34
44	228	393.33	-168.91	-21.68	1.19	27.65	0.32	0.30
44	228	446.67	-157.93	-25.46	0.66	25.71	0.82	0.15
44	228	500.00	-163.14	-55.62	-1.06	37.59	0.67	-0.03
44	228	550.00	-135.22	-55.24	-1.10	28.87	0.10	-0.18
44	228	600.00	-113.61	-55.08	-0.73	19.91	-0.44	-0.21
44	228	650.00	-84.18	-54.98	-0.16	14.58	-0.58	-0.20
44	228	700.00	-55.93	-36.93	1.34	7.77	-0.31	-0.13
44	264	340.00	-25.93	-1.90	-0.04	2.45	-1.39e-05	-8.05e-03
44	264	393.33	-25.93	-1.90	-0.04	1.44	-0.02	-0.01
44	264	446.67	-24.92	-2.27	-0.04	2.21	-0.04	-5.78e-03
44	264	500.00	-25.22	-4.79	-0.03	2.79	-0.06	-4.36e-03
44	264	550.00	-22.98	-4.41	-0.02	1.83	-0.07	3.70e-04
44	264	600.00	-20.93	-4.09	-8.14e-05	0.89	-0.07	6.74e-03
44	264	650.00	-19.15	-3.81	0.04	-0.11	-0.05	0.01
44	264	700.00	-15.97	-2.87	0.10	-0.18	1.24e-06	0.02
44	273	340.00	-14.74	-0.17	1.44	0.36	1.86e-04	-0.16

44	273	393.33	-14.74	-0.17	1.44	0.27	0.77	-0.22
44	273	446.67	-13.98	-0.24	1.05	0.79	1.33	-0.09
44	273	500.00	-14.05	-0.72	0.59	1.27	1.66	-0.04
44	273	550.00	-13.38	-0.71	0.05	0.93	1.69	0.04
44	273	600.00	-12.78	-0.71	-0.51	0.56	1.43	0.13
44	273	650.00	-12.26	-0.71	-1.11	0.12	0.88	0.20
44	273	700.00	-10.71	-0.63	-1.76	0.16	0.0	0.18
44	276	340.00	-21.51	-0.72	1.43	0.58	1.80e-04	-0.17
44	276	393.33	-21.51	-0.72	1.43	0.19	0.76	-0.22
44	276	446.67	-20.48	-0.89	1.04	1.02	1.31	-0.09
44	276	500.00	-20.59	-1.86	0.57	1.75	1.64	-0.04
44	276	550.00	-19.39	-1.85	0.04	1.26	1.66	0.04
44	276	600.00	-18.31	-1.85	-0.51	0.69	1.40	0.13
44	276	650.00	-17.41	-1.85	-1.09	-0.02	0.86	0.20
44	276	700.00	-15.09	-1.58	-1.71	-8.38e-03	0.0	0.19
44	280	340.00	-28.31	-1.80	-0.48	1.07	-7.26e-05	0.04
44	280	393.33	-28.31	-1.80	-0.48	0.11	-0.26	0.05
44	280	446.67	-27.08	-1.98	-0.36	1.00	-0.45	0.02
44	280	500.00	-26.94	-3.28	-0.22	2.04	-0.57	5.28e-03
44	280	550.00	-24.73	-3.27	-0.04	1.63	-0.60	-0.01
44	280	600.00	-22.72	-3.27	0.15	1.08	-0.52	-0.03
44	280	650.00	-20.96	-3.27	0.38	0.33	-0.33	-0.04
44	280	700.00	-17.69	-2.69	0.66	0.36	1.63e-06	-0.03
44	298	340.00	-23.55	-1.33	-0.03	0.92	-1.15e-05	-6.85e-03
44	298	393.33	-23.55	-1.33	-0.03	0.21	-0.02	-9.87e-03
44	298	446.67	-22.50	-1.46	-0.03	0.93	-0.04	-5.43e-03
44	298	500.00	-22.38	-2.48	-0.03	1.77	-0.05	-4.73e-03
44	298	550.00	-20.63	-2.47	-0.02	1.40	-0.06	-4.74e-04
44	298	600.00	-19.02	-2.47	-3.84e-03	0.93	-0.06	5.61e-03
44	298	650.00	-17.62	-2.47	0.03	0.31	-0.05	0.01
44	298	700.00	-14.92	-2.03	0.09	0.34	1.24e-06	0.02
44	305	340.00	-22.98	-1.36	-0.03	1.20	-1.11e-05	-6.58e-03
44	305	393.33	-22.98	-1.36	-0.03	0.47	-0.02	-9.42e-03
44	305	446.67	-21.98	-1.53	-0.03	1.15	-0.03	-5.12e-03
44	305	500.00	-21.94	-2.77	-0.03	1.90	-0.05	-4.34e-03
44	305	550.00	-20.17	-2.69	-0.02	1.43	-0.06	-2.87e-04
44	305	600.00	-18.54	-2.62	-2.83e-03	0.90	-0.06	5.43e-03
44	305	650.00	-17.12	-2.57	0.03	0.25	-0.04	0.01
44	305	700.00	-14.44	-2.05	0.09	0.26	1.18e-06	0.01
44	306	340.00	-17.51	-0.70	0.27	0.60	3.14e-05	-0.04
44	306	393.33	-17.51	-0.70	0.27	0.23	0.14	-0.05
44	306	446.67	-16.69	-0.76	0.19	0.72	0.25	-0.02
44	306	500.00	-16.60	-1.33	0.10	1.33	0.31	-0.01
44	306	550.00	-15.44	-1.32	1.95e-03	1.08	0.31	8.30e-03
44	306	600.00	-14.37	-1.32	-0.10	0.77	0.26	0.03
44	306	650.00	-13.41	-1.32	-0.20	0.37	0.15	0.05
44	306	700.00	-11.45	-1.10	-0.31	0.43	0.0	0.04
44	307	340.00	-22.10	-1.12	0.26	0.82	2.77e-05	-0.04
44	307	393.33	-22.10	-1.12	0.26	0.22	0.14	-0.05
44	307	446.67	-21.09	-1.25	0.18	0.91	0.24	-0.02
44	307	500.00	-21.01	-2.18	0.09	1.69	0.29	-0.01
44	307	550.00	-19.45	-2.18	-7.00e-03	1.32	0.29	7.85e-03
44	307	600.00	-18.02	-2.17	-0.11	0.86	0.23	0.03
44	307	650.00	-16.77	-2.18	-0.19	0.26	0.14	0.05
44	307	700.00	-14.27	-1.80	-0.27	0.29	1.08e-06	0.05
44	309	340.00	-18.20	-0.84	-0.02	0.66	-7.18e-06	-4.45e-03
44	309	393.33	-18.20	-0.84	-0.02	0.21	-0.01	-6.35e-03
44	309	446.67	-17.37	-0.89	-0.02	0.70	-0.02	-3.47e-03
44	309	500.00	-17.24	-1.48	-0.02	1.35	-0.03	-2.71e-03
44	309	550.00	-15.95	-1.47	-9.73e-03	1.11	-0.04	5.10e-05
44	309	600.00	-14.77	-1.47	8.37e-04	0.82	-0.04	3.74e-03
44	309	650.00	-13.70	-1.47	0.02	0.43	-0.03	7.67e-03
44	309	700.00	-11.63	-1.22	0.05	0.50	0.0	8.83e-03
44	310	340.00	-22.79	-1.26	-0.03	0.88	-1.09e-05	-6.51e-03
44	310	393.33	-22.79	-1.26	-0.03	0.21	-0.02	-9.37e-03
44	310	446.67	-21.77	-1.38	-0.03	0.90	-0.03	-5.15e-03
44	310	500.00	-21.65	-2.34	-0.03	1.71	-0.05	-4.44e-03
44	310	550.00	-19.96	-2.33	-0.02	1.36	-0.06	-3.99e-04
44	310	600.00	-18.42	-2.33	-3.17e-03	0.91	-0.06	5.34e-03
44	310	650.00	-17.06	-2.33	0.03	0.32	-0.04	0.01
44	310	700.00	-14.45	-1.91	0.09	0.36	1.19e-06	0.01

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-168.91	-70.98	-2.67	-34.17	-0.89	-0.35
			123.33	50.95	2.18	68.87	2.55	0.34

Macro	Tipo	Angolo 1-Z (gradi)
45	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
45	44	340.00	-4.28	0.28	5.12e-03	0.57	2.87e-06	2.94e-04
45	44	393.33	-4.28	0.28	5.12e-03	0.72	2.73e-03	1.41e-03
45	44	446.67	-4.03	0.55	2.62e-03	1.32	4.13e-03	1.10e-03
45	44	500.00	-4.06	-2.18	-1.61e-03	1.02	3.23e-03	3.17e-04
45	44	550.00	-3.74	-2.18	-1.61e-03	-0.07	2.42e-03	2.14e-04
45	44	600.00	-3.43	-2.18	-1.61e-03	-1.16	1.61e-03	1.66e-04
45	44	650.00	-3.11	-2.18	-1.61e-03	-2.25	8.07e-04	1.43e-04
45	44	700.00	-2.42	0.50	-1.61e-03	-2.00	0.0	1.04e-04
45	56	340.00	-2.82	0.05	0.14	0.34	1.94e-06	6.44e-03
45	56	393.33	-2.82	0.05	0.14	0.37	0.08	4.06e-03
45	56	446.67	-2.66	0.21	0.15	0.59	0.16	4.80e-04
45	56	500.00	-2.66	-0.98	-0.06	0.41	0.13	-2.81e-03
45	56	550.00	-2.41	-0.98	-0.06	-0.08	0.10	-2.72e-03
45	56	600.00	-2.17	-0.98	-0.06	-0.57	0.06	-2.99e-03
45	56	650.00	-1.93	-0.98	-0.06	-1.06	0.03	-3.10e-03
45	56	700.00	-1.40	0.24	-0.06	-0.94	0.0	-2.44e-03
45	68	340.00	-4.27	0.05	0.24	0.34	2.71e-06	0.01
45	68	393.33	-4.27	0.05	0.24	0.37	0.13	6.66e-03
45	68	446.67	-4.03	0.22	0.25	0.59	0.26	9.31e-04
45	68	500.00	-4.03	-0.98	-0.11	0.41	0.21	-4.57e-03
45	68	550.00	-3.70	-0.98	-0.11	-0.08	0.16	-4.49e-03
45	68	600.00	-3.39	-0.98	-0.11	-0.57	0.11	-4.94e-03
45	68	650.00	-3.08	-0.98	-0.11	-1.06	0.05	-5.13e-03
45	68	700.00	-2.37	0.24	-0.11	-0.94	0.0	-4.03e-03
45	89	340.00	-5.91	0.02	-0.11	0.24	3.09e-06	-4.58e-03
45	89	393.33	-5.91	0.02	-0.11	0.26	-0.06	-2.97e-03
45	89	446.67	-5.64	0.15	-0.12	0.41	-0.13	-4.86e-04
45	89	500.00	-5.68	-0.67	0.05	0.29	-0.10	2.17e-03
45	89	550.00	-5.36	-0.67	0.05	-0.04	-0.08	2.20e-03
45	89	600.00	-5.05	-0.67	0.05	-0.38	-0.05	2.41e-03
45	89	650.00	-4.74	-0.67	0.05	-0.71	-0.03	2.50e-03
45	89	700.00	-3.91	0.16	0.05	-0.63	0.0	1.96e-03
45	116	340.00	-3.34	2.60	-0.03	2.12	-0.01	-2.76e-03
45	116	393.33	-3.34	2.60	-0.03	2.14	-0.01	-2.92e-03
45	116	446.67	-3.07	5.75	-0.13	7.29	-0.05	4.52e-03
45	116	500.00	-3.02	-18.80	-8.78e-03	12.41	-0.07	-4.61e-04
45	116	550.00	-2.78	-18.71	0.01	2.90	-0.17	-1.75e-03
45	116	600.00	-2.53	-18.61	0.07	-6.34	-0.14	-2.58e-03
45	116	650.00	-2.29	-18.50	0.04	-15.48	-0.10	-2.76e-03
45	116	700.00	-1.65	1.50	0.14	-19.46	-0.04	-2.60e-03
45	134	340.00	-5.37	0.16	-0.45	0.50	-0.12	-0.01
45	134	393.33	-5.37	0.16	-0.45	0.51	-0.12	-0.02
45	134	446.67	-5.25	0.68	-0.35	1.17	-0.33	-0.02
45	134	500.00	-5.55	-2.61	0.02	1.58	-0.44	-5.36e-03
45	134	550.00	-5.30	-2.61	0.10	0.27	-0.41	-2.04e-03
45	134	600.00	-5.07	-2.60	0.17	-1.02	-0.34	1.01e-03
45	134	650.00	-4.83	-2.59	0.25	-2.31	-0.23	9.55e-04
45	134	700.00	-4.15	0.30	0.34	-2.67	-0.09	1.00e-03
45	138	340.00	-5.53	-0.72	-0.45	0.15	-0.12	-6.65e-03
45	138	393.33	-5.53	-0.72	-0.45	0.16	-0.12	-0.01
45	138	446.67	-5.40	-0.38	-0.33	-0.15	-0.33	-0.02
45	138	500.00	-5.66	0.88	0.02	-0.74	-0.43	-2.91e-03
45	138	550.00	-7.51	0.87	0.09	-0.71	-0.37	-3.14e-04
45	138	600.00	-5.19	0.86	0.16	0.12	-0.31	2.33e-03
45	138	650.00	-4.94	0.84	0.25	0.53	-0.21	2.72e-03
45	138	700.00	-4.26	0.04	0.31	0.96	-0.08	2.64e-03
45	139	340.00	-2.44	0.77	0.46	0.34	0.12	7.35e-03
45	139	393.33	-2.44	0.77	0.46	0.35	0.12	0.01
45	139	446.67	-2.21	0.68	0.33	0.98	0.33	0.02
45	139	500.00	-2.01	-2.23	-0.03	1.32	0.44	2.76e-03
45	139	550.00	0.33	-2.22	-0.10	0.61	0.37	2.42e-04
45	139	600.00	-1.51	-2.21	-0.16	-0.89	0.31	-2.41e-03
45	139	650.00	-1.28	-2.19	-0.25	-1.98	0.21	-2.80e-03
45	139	700.00	-0.76	0.29	-0.31	-2.24	0.08	-2.71e-03
45	148	340.00	-3.27	2.92	-0.04	2.36	-0.01	-3.18e-03
45	148	393.33	-3.27	2.92	-0.04	2.37	-0.01	-3.35e-03

45	148	446.67	-2.98	6.45	-0.14	8.14	-0.06	5.02e-03
45	148	500.00	-2.93	-21.05	-9.73e-03	13.91	-0.08	-5.23e-04
45	148	550.00	-2.68	-20.96	0.01	3.26	-0.19	-1.97e-03
45	148	600.00	-2.43	-20.84	0.08	-7.08	-0.16	-2.89e-03
45	148	650.00	-2.20	-20.71	0.04	-17.31	-0.11	-3.10e-03
45	148	700.00	-1.55	1.67	0.16	-21.80	-0.04	-2.91e-03
45	166	340.00	-5.56	0.18	-0.51	0.54	-0.14	-0.01
45	166	393.33	-5.56	0.18	-0.51	0.55	-0.13	-0.02
45	166	446.67	-5.45	0.76	-0.40	1.28	-0.38	-0.02
45	166	500.00	-5.78	-2.90	0.02	1.78	-0.49	-6.06e-03
45	166	550.00	-5.53	-2.89	0.11	0.31	-0.46	-2.29e-03
45	166	600.00	-5.30	-2.89	0.19	-1.12	-0.38	1.13e-03
45	166	650.00	-5.05	-2.88	0.29	-2.54	-0.26	1.06e-03
45	166	700.00	-4.37	0.32	0.38	-2.97	-0.10	1.12e-03
45	170	340.00	-5.73	-0.81	-0.51	0.14	-0.14	-7.58e-03
45	170	393.33	-5.73	-0.81	-0.51	0.15	-0.14	-0.01
45	170	446.67	-5.61	-0.44	-0.37	-0.21	-0.37	-0.02
45	170	500.00	-5.90	1.05	0.03	-0.86	-0.49	-3.28e-03
45	170	550.00	-8.01	1.04	0.11	-0.78	-0.42	-3.42e-04
45	170	600.00	-5.43	1.02	0.18	0.17	-0.35	2.62e-03
45	170	650.00	-5.18	1.00	0.28	0.67	-0.24	3.06e-03
45	170	700.00	-4.49	0.02	0.35	1.13	-0.09	2.97e-03
45	171	340.00	-2.24	0.86	0.52	0.35	0.14	8.27e-03
45	171	393.33	-2.24	0.86	0.52	0.36	0.14	0.01
45	171	446.67	-2.00	0.73	0.38	1.04	0.38	0.02
45	171	500.00	-1.77	-2.40	-0.03	1.43	0.49	3.12e-03
45	171	550.00	0.83	-2.39	-0.11	0.69	0.42	2.69e-04
45	171	600.00	-1.27	-2.37	-0.18	-0.95	0.35	-2.70e-03
45	171	650.00	-1.04	-2.35	-0.29	-2.12	0.24	-3.15e-03
45	171	700.00	-0.53	0.30	-0.35	-2.42	0.09	-3.04e-03
45	180	340.00	-3.31	2.88	-0.04	2.31	-0.01	-3.34e-03
45	180	393.33	-3.31	2.88	-0.04	2.33	-0.01	-3.60e-03
45	180	446.67	-3.03	6.39	-0.15	8.07	-0.06	4.51e-03
45	180	500.00	-2.99	-20.87	-9.50e-03	13.78	-0.08	-6.20e-04
45	180	550.00	-2.74	-20.77	0.01	3.22	-0.20	-1.93e-03
45	180	600.00	-2.49	-20.66	0.08	-7.02	-0.17	-2.84e-03
45	180	650.00	-2.26	-20.53	0.05	-17.16	-0.11	-3.05e-03
45	180	700.00	-1.61	1.65	0.16	-21.61	-0.04	-2.86e-03
45	198	340.00	-5.61	0.22	-0.52	0.58	-0.14	-0.01
45	198	393.33	-5.61	0.22	-0.52	0.59	-0.14	-0.02
45	198	446.67	-5.50	0.85	-0.41	1.40	-0.39	-0.02
45	198	500.00	-5.84	-3.20	0.03	1.98	-0.51	-6.24e-03
45	198	550.00	-5.60	-3.20	0.11	0.36	-0.47	-2.31e-03
45	198	600.00	-5.37	-3.19	0.20	-1.22	-0.40	1.03e-03
45	198	650.00	-5.12	-3.18	0.30	-2.79	-0.27	9.55e-04
45	198	700.00	-4.43	0.34	0.39	-3.28	-0.10	1.03e-03
45	202	340.00	-5.77	-0.80	-0.52	0.16	-0.14	-7.80e-03
45	202	393.33	-5.77	-0.80	-0.52	0.18	-0.14	-0.01
45	202	446.67	-5.65	-0.39	-0.38	-0.15	-0.38	-0.02
45	202	500.00	-5.96	0.89	0.03	-0.75	-0.50	-3.29e-03
45	202	550.00	-8.09	0.88	0.11	-0.76	-0.43	-2.79e-04
45	202	600.00	-5.49	0.86	0.18	0.12	-0.36	2.53e-03
45	202	650.00	-5.24	0.85	0.29	0.54	-0.25	3.01e-03
45	202	700.00	-4.54	0.04	0.36	0.97	-0.09	2.93e-03
45	203	340.00	-2.20	0.85	0.53	0.32	0.14	8.49e-03
45	203	393.33	-2.20	0.85	0.53	0.34	0.14	0.01
45	203	446.67	-1.96	0.69	0.39	0.98	0.38	0.02
45	203	500.00	-1.71	-2.24	-0.03	1.33	0.50	3.14e-03
45	203	550.00	0.90	-2.23	-0.11	0.66	0.43	2.06e-04
45	203	600.00	-1.21	-2.21	-0.18	-0.90	0.36	-2.62e-03
45	203	650.00	-0.98	-2.20	-0.29	-1.99	0.25	-3.09e-03
45	203	700.00	-0.47	0.29	-0.36	-2.25	0.09	-3.00e-03
45	212	340.00	-3.22	3.37	-0.05	2.67	-0.02	-4.07e-03
45	212	393.33	-3.22	3.37	-0.05	2.68	-0.02	-4.40e-03
45	212	446.67	-2.93	7.46	-0.18	9.38	-0.07	5.02e-03
45	212	500.00	-2.88	-24.33	-0.01	16.09	-0.10	-7.50e-04
45	212	550.00	-2.63	-24.21	0.02	3.78	-0.24	-2.26e-03
45	212	600.00	-2.38	-24.08	0.10	-8.15	-0.20	-3.30e-03
45	212	650.00	-2.15	-23.94	0.06	-19.99	-0.14	-3.54e-03
45	212	700.00	-1.50	1.91	0.20	-25.21	-0.05	-3.32e-03
45	230	340.00	-5.93	0.29	-0.63	0.67	-0.17	-0.02
45	230	393.33	-5.93	0.29	-0.63	0.68	-0.17	-0.02
45	230	446.67	-5.83	1.05	-0.50	1.67	-0.47	-0.03
45	230	500.00	-6.25	-3.90	0.03	2.45	-0.61	-7.48e-03
45	230	550.00	-6.00	-3.89	0.13	0.48	-0.57	-2.75e-03

45	230	600.00	-5.77	-3.88	0.24	-1.45	-0.48	1.21e-03
45	230	650.00	-5.53	-3.87	0.36	-3.36	-0.33	1.11e-03
45	230	700.00	-4.82	0.39	0.48	-4.01	-0.12	1.20e-03
45	234	340.00	-6.11	-0.94	-0.62	0.16	-0.17	-9.36e-03
45	234	393.33	-6.11	-0.94	-0.62	0.17	-0.16	-0.01
45	234	446.67	-6.00	-0.46	-0.45	-0.22	-0.45	-0.02
45	234	500.00	-6.37	1.08	0.03	-0.87	-0.59	-3.89e-03
45	234	550.00	-8.92	1.06	0.13	-0.87	-0.51	-3.12e-04
45	234	600.00	-5.90	1.04	0.22	0.18	-0.43	2.97e-03
45	234	650.00	-5.65	1.02	0.35	0.69	-0.29	3.53e-03
45	234	700.00	-4.93	0.02	0.43	1.16	-0.11	3.45e-03
45	235	340.00	-1.87	0.99	0.63	0.33	0.17	0.01
45	235	393.33	-1.87	0.99	0.63	0.34	0.17	0.02
45	235	446.67	-1.62	0.76	0.46	1.04	0.46	0.02
45	235	500.00	-1.31	-2.43	-0.03	1.45	0.60	3.74e-03
45	235	550.00	1.74	-2.41	-0.13	0.78	0.51	2.39e-04
45	235	600.00	-0.80	-2.39	-0.22	-0.96	0.43	-3.05e-03
45	235	650.00	-0.57	-2.37	-0.35	-2.14	0.29	-3.62e-03
45	235	700.00	-0.09	0.31	-0.43	-2.44	0.11	-3.52e-03
45	264	340.00	-3.51	0.19	3.53e-03	0.39	2.24e-06	2.12e-04
45	264	393.33	-3.51	0.19	3.53e-03	0.49	1.89e-03	9.64e-04
45	264	446.67	-3.32	0.38	1.85e-03	0.90	2.88e-03	7.42e-04
45	264	500.00	-3.35	-1.49	-1.13e-03	0.70	2.25e-03	2.13e-04
45	264	550.00	-3.10	-1.49	-1.13e-03	-0.05	1.69e-03	1.44e-04
45	264	600.00	-2.86	-1.49	-1.13e-03	-0.79	1.13e-03	1.12e-04
45	264	650.00	-2.62	-1.49	-1.13e-03	-1.54	5.63e-04	9.63e-05
45	264	700.00	-2.07	0.34	-1.13e-03	-1.36	0.0	6.95e-05
45	268	340.00	-3.32	0.04	0.10	0.29	2.07e-06	4.38e-03
45	268	393.33	-3.32	0.04	0.10	0.31	0.05	2.76e-03
45	268	446.67	-3.15	0.18	0.10	0.50	0.11	3.23e-04
45	268	500.00	-3.15	-0.83	-0.04	0.35	0.09	-1.89e-03
45	268	550.00	-2.91	-0.83	-0.04	-0.07	0.07	-1.82e-03
45	268	600.00	-2.67	-0.83	-0.04	-0.48	0.04	-2.00e-03
45	268	650.00	-2.43	-0.83	-0.04	-0.89	0.02	-2.08e-03
45	268	700.00	-1.87	0.20	-0.04	-0.79	0.0	-1.63e-03
45	276	340.00	-3.51	0.03	0.16	0.24	2.14e-06	6.91e-03
45	276	393.33	-3.51	0.03	0.16	0.26	0.08	4.47e-03
45	276	446.67	-3.32	0.15	0.17	0.41	0.17	6.31e-04
45	276	500.00	-3.33	-0.69	-0.07	0.29	0.14	-3.05e-03
45	276	550.00	-3.08	-0.69	-0.07	-0.06	0.11	-2.99e-03
45	276	600.00	-2.84	-0.69	-0.07	-0.40	0.07	-3.29e-03
45	276	650.00	-2.60	-0.69	-0.07	-0.74	0.04	-3.42e-03
45	276	700.00	-2.04	0.17	-0.07	-0.66	0.0	-2.68e-03
45	285	340.00	-4.60	0.02	-0.08	0.18	2.39e-06	-3.03e-03
45	285	393.33	-4.60	0.02	-0.08	0.18	-0.04	-1.96e-03
45	285	446.67	-4.39	0.10	-0.08	0.29	-0.08	-3.13e-04
45	285	500.00	-4.43	-0.48	0.03	0.21	-0.07	1.45e-03
45	285	550.00	-4.18	-0.48	0.03	-0.03	-0.05	1.47e-03
45	285	600.00	-3.94	-0.48	0.03	-0.27	-0.03	1.61e-03
45	285	650.00	-3.70	-0.48	0.03	-0.51	-0.02	1.67e-03
45	285	700.00	-3.07	0.12	0.03	-0.45	0.0	1.31e-03
45	301	340.00	-3.90	0.03	2.03e-03	0.25	2.21e-06	3.64e-04
45	301	393.33	-3.90	0.03	2.03e-03	0.26	1.09e-03	1.90e-04
45	301	446.67	-3.72	0.15	2.33e-03	0.42	2.33e-03	-4.05e-05
45	301	500.00	-3.74	-0.69	-9.41e-04	0.29	1.88e-03	-7.84e-05
45	301	550.00	-3.49	-0.69	-9.41e-04	-0.05	1.41e-03	-3.50e-05
45	301	600.00	-3.25	-0.69	-9.41e-04	-0.40	9.41e-04	-3.92e-05
45	301	650.00	-3.01	-0.69	-9.41e-04	-0.74	4.70e-04	-4.27e-05
45	301	700.00	-2.42	0.17	-9.41e-04	-0.66	0.0	-3.42e-05
45	305	340.00	-3.95	0.06	2.21e-03	0.27	2.23e-06	3.06e-04
45	305	393.33	-3.95	0.06	2.21e-03	0.30	1.18e-03	3.34e-04
45	305	446.67	-3.77	0.19	2.08e-03	0.50	2.29e-03	1.20e-04
45	305	500.00	-3.81	-0.82	-9.18e-04	0.37	1.84e-03	-1.75e-05
45	305	550.00	-3.56	-0.82	-9.18e-04	-0.05	1.38e-03	0.0
45	305	600.00	-3.32	-0.82	-9.18e-04	-0.46	9.18e-04	-1.00e-05
45	305	650.00	-3.08	-0.82	-9.18e-04	-0.87	4.59e-04	-1.57e-05
45	305	700.00	-2.48	0.20	-9.18e-04	-0.77	0.0	-1.41e-05
45	307	340.00	-3.95	0.02	0.03	0.24	2.21e-06	1.64e-03
45	307	393.33	-3.95	0.02	0.03	0.25	0.02	1.03e-03
45	307	446.67	-3.77	0.14	0.04	0.40	0.04	9.76e-05
45	307	500.00	-3.80	-0.66	-0.02	0.28	0.03	-6.69e-04
45	307	550.00	-3.55	-0.66	-0.02	-0.05	0.02	-6.28e-04
45	307	600.00	-3.31	-0.66	-0.02	-0.38	0.02	-6.91e-04
45	307	650.00	-3.07	-0.66	-0.02	-0.71	7.50e-03	-7.19e-04
45	307	700.00	-2.47	0.16	-0.02	-0.63	0.0	-5.65e-04

45	308	340.00	-4.53	0.01	-0.01	0.16	2.38e-06	-4.37e-04
45	308	393.33	-4.53	0.01	-0.01	0.17	-7.52e-03	-2.53e-04
45	308	446.67	-4.32	0.10	-0.02	0.28	-0.02	-3.94e-05
45	308	500.00	-4.35	-0.45	6.45e-03	0.19	-0.01	2.64e-04
45	308	550.00	-4.11	-0.45	6.45e-03	-0.03	-9.67e-03	2.82e-04
45	308	600.00	-3.87	-0.45	6.45e-03	-0.26	-6.45e-03	3.07e-04
45	308	650.00	-3.63	-0.45	6.45e-03	-0.49	-3.22e-03	3.16e-04
45	308	700.00	-3.00	0.11	6.45e-03	-0.43	0.0	2.47e-04
45	309	340.00	-4.51	0.01	1.39e-03	0.16	2.37e-06	2.13e-04
45	309	393.33	-4.51	0.01	1.39e-03	0.17	7.45e-04	1.73e-04
45	309	446.67	-4.30	0.10	1.42e-03	0.27	1.50e-03	2.91e-05
45	309	500.00	-4.34	-0.45	-6.04e-04	0.19	1.21e-03	-3.19e-05
45	309	550.00	-4.09	-0.45	-6.04e-04	-0.03	9.07e-04	-1.33e-05
45	309	600.00	-3.85	-0.45	-6.04e-04	-0.26	6.04e-04	-1.82e-05
45	309	650.00	-3.61	-0.45	-6.04e-04	-0.48	3.02e-04	-2.12e-05
45	309	700.00	-2.98	0.11	-6.04e-04	-0.42	0.0	-1.75e-05
45	310	340.00	-3.99	0.02	1.95e-03	0.24	2.21e-06	3.46e-04
45	310	393.33	-3.99	0.02	1.95e-03	0.26	1.04e-03	1.82e-04
45	310	446.67	-3.81	0.15	2.23e-03	0.41	2.23e-03	-3.94e-05
45	310	500.00	-3.84	-0.68	-9.03e-04	0.29	1.81e-03	-7.75e-05
45	310	550.00	-3.59	-0.68	-9.03e-04	-0.05	1.35e-03	-3.64e-05
45	310	600.00	-3.35	-0.68	-9.03e-04	-0.39	9.03e-04	-4.05e-05
45	310	650.00	-3.11	-0.68	-9.03e-04	-0.72	4.51e-04	-4.39e-05
45	310	700.00	-2.51	0.16	-9.03e-04	-0.64	0.0	-3.51e-05

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-8.92	-24.33	-0.63	-25.21	-0.61	-0.03
			1.74	7.46	0.63	16.09	0.60	0.02

Macro	Tipo	Angolo 1-Z (gradi)
46	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
46	28	340.00	-211.78	-29.90	-0.18	-32.28	2.33e-03	-0.02
46	28	393.33	-211.78	-29.90	-0.18	-48.22	-0.09	-0.02
46	28	446.67	-206.81	-35.14	-0.14	-55.85	-0.17	-7.43e-03
46	28	500.00	-203.19	-34.33	0.07	-62.69	-0.13	0.01
46	28	550.00	-199.48	-33.36	0.11	-67.90	-0.08	0.02
46	28	600.00	-195.72	-32.40	0.12	-72.62	-0.02	0.01
46	28	650.00	-192.11	-31.57	0.16	-76.30	0.06	6.96e-03
46	28	700.00	-167.20	-29.99	-0.11	-67.15	7.41e-03	0.01
46	44	340.00	-192.70	-36.44	-0.17	-9.86	-4.61e-03	-0.01
46	44	393.33	-192.70	-36.44	-0.17	-29.30	-0.09	-0.02
46	44	446.67	-187.51	-41.22	-0.12	-38.26	-0.16	-5.63e-03
46	44	500.00	-183.59	-39.82	0.06	-46.06	-0.12	0.01
46	44	550.00	-179.62	-38.18	0.10	-52.09	-0.08	0.01
46	44	600.00	-175.68	-36.59	0.10	-57.67	-0.02	0.01
46	44	650.00	-171.91	-35.21	0.15	-62.24	0.05	6.33e-03
46	44	700.00	-149.24	-32.87	-0.10	-54.69	6.59e-03	0.01
46	52	340.00	-208.82	-17.05	-0.23	-66.80	-4.59e-03	-0.02
46	52	393.33	-208.82	-17.05	-0.23	-75.90	-0.13	-0.03
46	52	446.67	-204.41	-22.33	-0.15	-79.11	-0.21	-0.02
46	52	500.00	-201.45	-22.40	0.11	-81.84	-0.15	9.00e-03
46	52	550.00	-198.32	-22.41	0.15	-83.39	-0.08	0.02
46	52	600.00	-195.05	-22.40	0.15	-84.57	1.80e-04	0.02
46	52	650.00	-191.78	-22.40	0.16	-85.16	0.08	0.01
46	52	700.00	-166.76	-21.82	-0.15	-74.01	8.71e-03	0.02
46	69	340.00	-89.19	-6.07	-0.17	-34.94	-0.02	-8.74e-03
46	69	393.33	-89.19	-6.07	-0.17	-38.17	-0.11	-0.02
46	69	446.67	-86.19	-8.28	-0.05	-37.23	-0.14	-0.01
46	69	500.00	-83.91	-8.31	0.10	-35.85	-0.09	1.41e-03
46	69	550.00	-81.59	-8.32	0.12	-34.07	-0.03	6.35e-03
46	69	600.00	-79.21	-8.32	0.10	-32.25	0.03	9.77e-03
46	69	650.00	-76.68	-8.31	0.06	-30.68	0.06	0.01
46	69	700.00	-65.21	-7.83	-0.11	-25.75	4.93e-03	0.01
46	123	340.00	-134.13	-196.81	-0.28	233.15	-0.25	0.01
46	123	393.33	-134.13	-196.81	-0.28	228.37	-0.30	3.74e-03
46	123	446.67	-125.48	-226.17	0.66	182.90	-0.22	-0.04
46	123	500.00	-121.97	-225.41	0.69	147.07	0.20	9.01e-03
46	123	550.00	-112.67	-224.06	0.51	94.66	0.52	0.02
46	123	600.00	-112.71	-222.65	0.19	75.76	0.71	0.03

46	123	650.00	-110.00	-221.23	-0.04	40.84	0.74	0.04
46	123	700.00	-70.77	-207.45	-1.16	-29.51	0.26	0.07
46	129	340.00	-84.53	33.11	0.20	-383.44	-0.20	-0.06
46	129	393.33	-84.53	33.11	0.20	-388.22	-0.24	-0.06
46	129	446.67	-85.62	7.80	1.14	-353.78	0.11	-0.07
46	129	500.00	-91.18	8.44	1.93	-314.16	1.01	0.07
46	129	550.00	-99.69	8.52	1.31	-257.54	1.88	0.12
46	129	600.00	-101.12	8.56	0.41	-227.40	2.46	0.16
46	129	650.00	-101.72	8.45	-0.99	-194.86	2.15	0.20
46	129	700.00	-81.07	8.56	-3.14	-198.11	0.75	0.17
46	139	340.00	-87.16	-57.48	-0.13	-202.20	-0.38	-0.07
46	139	393.33	-87.16	-57.48	-0.13	-206.98	-0.42	-0.08
46	139	446.67	-85.29	-87.76	1.50	-200.15	-0.06	-0.15
46	139	500.00	-90.28	-97.03	1.88	-181.12	0.90	-0.02
46	139	550.00	-97.29	-96.37	1.38	-148.43	1.71	0.02
46	139	600.00	-96.99	-95.75	0.43	-141.49	2.11	0.07
46	139	650.00	-99.74	-95.31	-0.81	-131.69	2.10	0.11
46	139	700.00	-65.04	-88.19	-3.20	-175.71	0.75	0.14
46	144	340.00	-169.64	-66.85	-0.19	345.80	0.28	0.07
46	144	393.33	-169.64	-66.85	-0.19	341.02	0.23	0.07
46	144	446.67	-161.36	-52.51	-1.40	300.75	-0.19	0.12
46	144	500.00	-149.19	-43.03	-1.81	252.47	-1.05	3.19e-04
46	144	550.00	-132.99	-43.04	-1.25	185.30	-1.83	-0.04
46	144	600.00	-126.79	-42.95	-0.36	155.06	-2.22	-0.08
46	144	650.00	-118.92	-42.64	1.09	119.01	-2.02	-0.14
46	144	700.00	-111.52	-41.96	2.98	133.74	-0.72	-0.13
46	155	340.00	-135.43	-220.12	-0.30	264.61	-0.29	0.02
46	155	393.33	-135.43	-220.12	-0.30	259.84	-0.33	5.67e-03
46	155	446.67	-126.13	-252.82	0.75	209.07	-0.23	-0.04
46	155	500.00	-122.54	-251.95	0.77	169.19	0.23	9.63e-03
46	155	550.00	-112.47	-250.44	0.57	110.63	0.59	0.02
46	155	600.00	-112.88	-248.86	0.21	89.66	0.80	0.03
46	155	650.00	-110.15	-247.25	-0.06	50.61	0.83	0.04
46	155	700.00	-67.86	-231.79	-1.31	-29.14	0.29	0.07
46	161	340.00	-79.46	38.26	0.23	-430.14	-0.23	-0.07
46	161	393.33	-79.46	38.26	0.23	-434.92	-0.27	-0.07
46	161	446.67	-81.13	10.07	1.31	-395.74	0.14	-0.08
46	161	500.00	-87.80	10.80	2.18	-350.58	1.14	0.08
46	161	550.00	-97.74	10.89	1.48	-286.49	2.14	0.13
46	161	600.00	-99.73	10.95	0.46	-252.19	2.79	0.18
46	161	650.00	-100.80	10.82	-1.13	-215.24	2.43	0.22
46	161	700.00	-79.32	10.93	-3.55	-219.60	0.84	0.20
46	171	340.00	-82.46	-63.43	-0.14	-226.07	-0.43	-0.08
46	171	393.33	-82.46	-63.43	-0.14	-230.85	-0.47	-0.09
46	171	446.67	-80.79	-97.18	1.71	-222.71	-0.06	-0.16
46	171	500.00	-86.81	-107.60	2.12	-200.73	1.03	-0.02
46	171	550.00	-95.05	-106.84	1.56	-163.60	1.94	0.02
46	171	600.00	-95.12	-106.15	0.48	-155.31	2.39	0.07
46	171	650.00	-98.59	-105.66	-0.93	-144.00	2.37	0.13
46	171	700.00	-61.33	-97.69	-3.61	-194.14	0.84	0.15
46	176	340.00	-175.72	-74.05	-0.21	394.06	0.31	0.08
46	176	393.33	-175.72	-74.05	-0.21	389.28	0.27	0.08
46	176	446.67	-166.80	-57.57	-1.57	344.11	-0.21	0.14
46	176	500.00	-153.40	-46.91	-2.05	289.87	-1.18	-3.56e-04
46	176	550.00	-135.51	-46.93	-1.42	214.43	-2.07	-0.04
46	176	600.00	-128.83	-46.82	-0.41	180.37	-2.51	-0.09
46	176	650.00	-120.27	-46.48	1.23	139.77	-2.29	-0.16
46	176	700.00	-113.83	-45.76	3.37	155.83	-0.81	-0.15
46	187	340.00	-134.64	-216.69	-0.30	254.62	-0.29	0.01
46	187	393.33	-134.64	-216.69	-0.30	249.84	-0.33	4.68e-03
46	187	446.67	-125.48	-248.96	0.76	200.32	-0.23	-0.04
46	187	500.00	-122.04	-248.08	0.80	161.66	0.24	0.01
46	187	550.00	-112.35	-246.58	0.58	105.11	0.61	0.02
46	187	600.00	-112.83	-245.02	0.22	84.94	0.83	0.04
46	187	650.00	-109.91	-243.44	-0.07	47.16	0.86	0.04
46	187	700.00	-68.03	-228.20	-1.34	-31.90	0.30	0.08
46	193	340.00	-78.09	37.37	0.22	-440.55	-0.25	-0.07
46	193	393.33	-78.09	37.37	0.22	-445.33	-0.29	-0.07
46	193	446.67	-79.83	9.26	1.36	-405.42	0.13	-0.09
46	193	500.00	-86.89	10.05	2.27	-358.87	1.17	0.09
46	193	550.00	-96.89	10.16	1.54	-294.20	2.20	0.14
46	193	600.00	-99.09	10.22	0.48	-258.87	2.88	0.18
46	193	650.00	-100.40	10.09	-1.16	-220.75	2.52	0.23
46	193	700.00	-78.57	10.30	-3.67	-225.73	0.88	0.20
46	203	340.00	-81.39	-62.42	-0.14	-235.72	-0.44	-0.08

46	203	393.33	-81.39	-62.42	-0.14	-240.50	-0.48	-0.09
46	203	446.67	-79.83	-95.96	1.74	-231.39	-0.06	-0.17
46	203	500.00	-86.11	-106.19	2.17	-208.14	1.05	-0.02
46	203	550.00	-94.35	-105.42	1.60	-170.49	1.98	0.02
46	203	600.00	-94.77	-104.73	0.49	-160.57	2.45	0.08
46	203	650.00	-98.37	-104.26	-0.95	-148.42	2.42	0.13
46	203	700.00	-61.01	-96.36	-3.69	-198.38	0.86	0.16
46	208	340.00	-176.74	-73.04	-0.20	400.85	0.33	0.08
46	208	393.33	-176.74	-73.04	-0.20	396.07	0.28	0.09
46	208	446.67	-167.76	-56.54	-1.61	350.42	-0.20	0.14
46	208	500.00	-154.08	-46.07	-2.11	295.23	-1.19	-6.19e-04
46	208	550.00	-136.29	-46.10	-1.46	219.89	-2.11	-0.04
46	208	600.00	-129.32	-46.00	-0.43	184.65	-2.57	-0.10
46	208	650.00	-120.52	-45.65	1.25	143.44	-2.35	-0.16
46	208	700.00	-114.43	-45.01	3.46	159.97	-0.83	-0.15
46	219	340.00	-136.06	-250.39	-0.33	296.18	-0.34	0.02
46	219	393.33	-136.06	-250.39	-0.33	291.40	-0.39	6.93e-03
46	219	446.67	-125.98	-287.58	0.92	234.54	-0.25	-0.05
46	219	500.00	-122.55	-286.53	0.95	190.49	0.31	0.01
46	219	550.00	-111.87	-284.78	0.69	125.72	0.75	0.03
46	219	600.00	-112.94	-282.96	0.25	102.84	1.00	0.04
46	219	650.00	-110.02	-281.13	-0.11	59.49	1.02	0.05
46	219	700.00	-63.59	-263.44	-1.59	-33.48	0.36	0.09
46	225	340.00	-69.02	45.03	0.28	-522.34	-0.30	-0.09
46	225	393.33	-69.02	45.03	0.28	-527.12	-0.35	-0.08
46	225	446.67	-71.71	12.45	1.66	-479.15	0.17	-0.10
46	225	500.00	-80.78	13.44	2.73	-422.90	1.42	0.10
46	225	550.00	-93.29	13.58	1.85	-345.28	2.66	0.16
46	225	600.00	-96.50	13.66	0.57	-302.74	3.47	0.22
46	225	650.00	-98.68	13.50	-1.42	-256.83	3.03	0.28
46	225	700.00	-75.21	13.77	-4.42	-264.36	1.05	0.24
46	235	340.00	-73.49	-71.25	-0.15	-277.80	-0.52	-0.09
46	235	393.33	-73.49	-71.25	-0.15	-282.58	-0.57	-0.11
46	235	446.67	-72.30	-110.08	2.08	-270.96	-0.05	-0.20
46	235	500.00	-80.30	-121.99	2.58	-242.53	1.26	-0.02
46	235	550.00	-90.60	-121.08	1.89	-197.21	2.37	0.03
46	235	600.00	-91.67	-120.27	0.57	-184.71	2.92	0.09
46	235	650.00	-96.48	-119.73	-1.15	-169.84	2.88	0.16
46	235	700.00	-55.00	-110.53	-4.38	-229.38	1.03	0.19
46	240	340.00	-186.77	-83.49	-0.21	479.36	0.39	0.10
46	240	393.33	-186.77	-83.49	-0.21	474.58	0.35	0.10
46	240	446.67	-176.77	-63.63	-1.90	421.10	-0.22	0.17
46	240	500.00	-161.04	-51.43	-2.51	356.23	-1.41	-1.79e-03
46	240	550.00	-140.52	-51.49	-1.75	267.59	-2.51	-0.05
46	240	600.00	-132.72	-51.38	-0.52	226.03	-3.06	-0.12
46	240	650.00	-122.76	-50.97	1.47	177.48	-2.80	-0.19
46	240	700.00	-118.41	-50.31	4.13	196.66	-0.99	-0.18
46	256	340.00	-151.00	-20.39	-0.12	-22.58	1.78e-03	-0.01
46	256	393.33	-151.00	-20.39	-0.12	-33.45	-0.06	-0.01
46	256	446.67	-147.27	-24.00	-0.10	-38.60	-0.12	-5.06e-03
46	256	500.00	-144.46	-23.46	0.05	-43.31	-0.09	7.62e-03
46	256	550.00	-141.59	-22.81	0.07	-46.88	-0.06	0.01
46	256	600.00	-138.69	-22.17	0.08	-50.11	-0.02	9.43e-03
46	256	650.00	-135.90	-21.62	0.11	-52.60	0.04	4.77e-03
46	256	700.00	-118.12	-20.54	-0.08	-46.27	5.10e-03	8.92e-03
46	264	340.00	-138.28	-24.75	-0.12	-7.63	-2.84e-03	-7.90e-03
46	264	393.33	-138.28	-24.75	-0.12	-20.84	-0.07	-0.01
46	264	446.67	-134.40	-28.05	-0.08	-26.88	-0.11	-3.86e-03
46	264	500.00	-131.39	-27.12	0.04	-32.23	-0.09	7.08e-03
46	264	550.00	-128.35	-26.03	0.07	-36.34	-0.05	9.36e-03
46	264	600.00	-125.33	-24.97	0.07	-40.14	-0.02	8.43e-03
46	264	650.00	-122.43	-24.04	0.10	-43.23	0.03	4.35e-03
46	264	700.00	-106.15	-22.46	-0.07	-37.97	4.55e-03	8.39e-03
46	268	340.00	-149.03	-11.83	-0.16	-45.60	-2.83e-03	-0.02
46	268	393.33	-149.03	-11.83	-0.16	-51.90	-0.09	-0.02
46	268	446.67	-145.67	-15.45	-0.11	-54.11	-0.15	-0.01
46	268	500.00	-143.29	-15.50	0.07	-56.07	-0.11	6.31e-03
46	268	550.00	-140.81	-15.51	0.11	-57.21	-0.05	0.01
46	268	600.00	-138.25	-15.51	0.10	-58.07	-1.42e-03	0.01
46	268	650.00	-135.68	-15.51	0.11	-58.51	0.05	8.77e-03
46	268	700.00	-117.83	-15.09	-0.10	-50.85	5.96e-03	0.01
46	273	340.00	-94.53	-6.34	-0.14	-29.83	-0.01	-8.18e-03
46	273	393.33	-94.53	-6.34	-0.14	-33.21	-0.09	-0.01
46	273	446.67	-91.43	-8.40	-0.05	-33.08	-0.11	-0.01
46	273	500.00	-88.95	-8.43	0.07	-32.80	-0.08	2.24e-03

46	273	550.00	-86.44	-8.44	0.09	-32.08	-0.03	5.97e-03
46	273	600.00	-83.90	-8.44	0.08	-31.25	0.01	8.01e-03
46	273	650.00	-81.28	-8.43	0.06	-30.44	0.04	9.11e-03
46	273	700.00	-69.52	-8.02	-0.08	-25.82	4.12e-03	9.49e-03
46	298	340.00	-127.40	-9.47	-0.09	-27.99	6.07e-03	-0.01
46	298	393.33	-127.40	-9.47	-0.09	-33.04	-0.04	-0.01
46	298	446.67	-124.05	-12.17	-0.09	-35.47	-0.09	-4.40e-03
46	298	500.00	-121.33	-12.21	0.03	-38.12	-0.07	5.62e-03
46	298	550.00	-118.58	-12.21	0.06	-40.05	-0.04	7.87e-03
46	298	600.00	-115.79	-12.21	0.06	-41.68	-0.01	7.10e-03
46	298	650.00	-113.06	-12.21	0.09	-42.77	0.03	3.38e-03
46	298	700.00	-97.95	-11.94	-0.06	-37.80	3.91e-03	6.42e-03
46	305	340.00	-123.27	-11.90	-0.09	-21.35	4.03e-03	-0.01
46	305	393.33	-123.27	-11.90	-0.09	-27.70	-0.04	-0.01
46	305	446.67	-119.84	-14.54	-0.08	-30.67	-0.09	-3.96e-03
46	305	500.00	-117.03	-14.38	0.03	-33.71	-0.07	5.50e-03
46	305	550.00	-114.21	-14.16	0.05	-35.96	-0.04	7.59e-03
46	305	600.00	-111.36	-13.95	0.06	-37.92	-0.01	6.83e-03
46	305	650.00	-108.58	-13.76	0.08	-39.34	0.03	3.29e-03
46	305	700.00	-93.95	-13.25	-0.06	-34.80	3.77e-03	6.36e-03
46	306	340.00	-95.84	-6.00	-0.07	-18.99	-7.12e-04	-6.41e-03
46	306	393.33	-95.84	-6.00	-0.07	-22.19	-0.04	-8.47e-03
46	306	446.67	-92.62	-7.60	-0.05	-23.11	-0.07	-3.78e-03
46	306	500.00	-89.80	-7.62	0.03	-24.43	-0.05	3.20e-03
46	306	550.00	-86.98	-7.62	0.04	-25.25	-0.03	4.83e-03
46	306	600.00	-84.17	-7.62	0.05	-25.86	-9.12e-03	4.73e-03
46	306	650.00	-81.37	-7.62	0.06	-26.19	0.02	3.12e-03
46	306	700.00	-69.96	-7.34	-0.04	-22.57	2.52e-03	4.74e-03
46	307	340.00	-122.61	-9.05	-0.10	-29.02	2.49e-03	-0.01
46	307	393.33	-122.61	-9.05	-0.10	-33.85	-0.05	-0.01
46	307	446.67	-119.30	-11.69	-0.08	-35.84	-0.10	-5.68e-03
46	307	500.00	-116.65	-11.72	0.04	-37.96	-0.07	5.07e-03
46	307	550.00	-113.95	-11.73	0.06	-39.40	-0.04	7.68e-03
46	307	600.00	-111.21	-11.73	0.07	-40.57	-8.00e-03	7.47e-03
46	307	650.00	-108.51	-11.73	0.08	-41.31	0.03	4.62e-03
46	307	700.00	-93.86	-11.43	-0.06	-36.32	4.06e-03	7.20e-03
46	309	340.00	-96.17	-5.91	-0.06	-16.28	2.34e-03	-5.97e-03
46	309	393.33	-96.17	-5.91	-0.06	-19.43	-0.03	-7.23e-03
46	309	446.67	-92.92	-7.40	-0.05	-20.62	-0.06	-2.18e-03
46	309	500.00	-90.01	-7.42	0.02	-22.34	-0.05	3.44e-03
46	309	550.00	-87.12	-7.42	0.03	-23.54	-0.03	4.54e-03
46	309	600.00	-84.24	-7.42	0.04	-24.51	-0.01	3.91e-03
46	309	650.00	-81.39	-7.42	0.05	-25.13	0.01	1.62e-03
46	309	700.00	-70.07	-7.16	-0.02	-21.76	2.12e-03	3.55e-03
46	310	340.00	-122.94	-8.96	-0.08	-26.31	5.54e-03	-0.01
46	310	393.33	-122.94	-8.96	-0.08	-31.09	-0.04	-0.01
46	310	446.67	-119.60	-11.49	-0.08	-33.35	-0.08	-4.08e-03
46	310	500.00	-116.86	-11.52	0.03	-35.87	-0.07	5.31e-03
46	310	550.00	-114.08	-11.53	0.05	-37.69	-0.04	7.40e-03
46	310	600.00	-111.28	-11.52	0.06	-39.22	-0.01	6.64e-03
46	310	650.00	-108.53	-11.52	0.08	-40.25	0.03	3.13e-03
46	310	700.00	-93.97	-11.26	-0.05	-35.51	3.66e-03	6.01e-03

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-211.78	-287.58	-4.42	-527.12	-3.06	-0.20
	-55.00	45.03	4.13	479.36	3.47	0.28

Macro	Tipo	Angolo 1-Z (gradi)
47	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
47	44	340.00	-57.04	-2.12	-0.17	26.57	0.0	0.01
47	44	393.33	-57.04	-2.12	-0.17	25.44	-0.09	0.02
47	44	446.67	-54.05	-2.58	-0.19	26.01	-0.19	0.01
47	44	500.00	-51.07	-6.23	-0.16	25.80	-0.27	7.36e-03
47	44	550.00	-49.49	-10.39	-0.05	23.15	-0.30	-1.89e-03
47	44	600.00	-45.57	-10.39	0.08	16.45	-0.26	-9.94e-03
47	44	650.00	-42.52	-5.87	0.23	12.84	-0.15	-0.02
47	44	700.00	-36.41	-3.58	0.30	8.82	0.0	-0.01
47	68	340.00	-53.16	0.78	1.92	14.15	0.0	0.11
47	68	393.33	-53.16	0.78	1.92	14.56	1.02	0.14

47	68	446.67	-50.98	0.66	1.15	14.86	1.64	0.09
47	68	500.00	-49.16	-0.13	0.35	15.05	1.82	0.02
47	68	550.00	-47.52	-1.58	-0.27	15.60	1.69	-0.03
47	68	600.00	-44.74	-1.58	-0.37	14.04	1.50	-0.11
47	68	650.00	-41.76	-0.02	-1.07	12.56	0.97	-0.13
47	68	700.00	-35.44	0.45	-1.93	9.76	0.0	-0.11
47	69	340.00	-24.76	0.35	2.04	3.90	0.0	0.10
47	69	393.33	-24.76	0.35	2.04	4.09	1.09	0.12
47	69	446.67	-24.04	0.29	1.27	4.43	1.76	0.08
47	69	500.00	-23.56	0.03	0.45	4.56	2.00	0.01
47	69	550.00	-23.02	-0.31	-0.24	5.27	1.89	-0.03
47	69	600.00	-22.11	-0.31	-0.42	5.32	1.68	-0.10
47	69	650.00	-20.75	-0.03	-1.22	4.73	1.07	-0.12
47	69	700.00	-17.75	0.17	-2.14	3.45	0.0	-0.10
47	76	340.00	-69.62	1.15	-0.83	20.29	0.0	-0.01
47	76	393.33	-69.62	1.15	-0.83	20.90	-0.44	-0.01
47	76	446.67	-65.81	1.00	-0.63	20.58	-0.78	-6.76e-03
47	76	500.00	-62.42	-0.07	-0.33	20.25	-0.96	4.35e-03
47	76	550.00	-59.33	-2.10	1.08e-03	20.17	-0.96	5.18e-03
47	76	600.00	-54.72	-2.10	0.22	17.16	-0.85	0.02
47	76	650.00	-50.18	0.19	0.66	14.81	-0.52	0.01
47	76	700.00	-41.98	0.73	1.03	11.25	0.0	0.01
47	116	340.00	38.05	-48.34	-0.09	168.11	0.03	-0.04
47	116	393.33	38.05	-48.34	-0.09	168.48	-0.03	-0.03
47	116	446.67	35.80	-54.27	-0.15	172.91	-0.12	-0.03
47	116	500.00	46.04	-97.13	-0.09	180.00	-0.16	-0.03
47	116	550.00	30.71	-139.54	-0.09	141.53	-0.07	-0.03
47	116	600.00	30.54	-138.90	0.03	73.79	-0.05	-0.03
47	116	650.00	21.08	-90.85	0.08	39.07	1.35e-03	-0.04
47	116	700.00	2.60	-60.37	0.03	14.94	0.04	-0.03
47	118	340.00	-164.31	47.01	-0.38	-109.13	-0.10	0.02
47	118	393.33	-164.31	47.01	-0.38	-108.76	-0.16	0.02
47	118	446.67	-151.47	51.17	-0.30	-114.21	-0.32	0.02
47	118	500.00	-150.09	87.36	-0.19	-120.56	-0.46	0.02
47	118	550.00	-130.38	120.41	0.01	-90.70	-0.59	0.02
47	118	600.00	-123.05	119.84	0.09	-41.25	-0.56	0.02
47	118	650.00	-99.78	83.38	0.40	-13.43	-0.42	0.02
47	118	700.00	-69.46	56.79	0.70	1.09	-0.13	0.02
47	119	340.00	80.30	-45.63	0.17	130.41	0.10	-3.05e-03
47	119	393.33	80.30	-45.63	0.17	130.78	0.05	4.28e-04
47	119	446.67	71.89	-49.98	0.06	135.94	0.09	-4.88e-03
47	119	500.00	74.37	-87.34	-6.90e-03	141.80	0.11	-0.01
47	119	550.00	58.32	-122.45	-0.08	112.21	0.22	-0.02
47	119	600.00	56.31	-121.88	7.22e-04	59.89	0.23	-0.03
47	119	650.00	38.64	-83.18	-0.12	29.26	0.23	-0.04
47	119	700.00	18.28	-55.96	-0.33	10.47	0.13	-0.04
47	137	340.00	11.26	15.08	0.39	-91.45	0.14	0.07
47	137	393.33	11.26	15.08	0.39	-91.08	0.08	0.07
47	137	446.67	4.77	16.95	0.28	-88.92	0.26	0.06
47	137	500.00	-6.68	35.68	0.05	-89.31	0.34	0.03
47	137	550.00	-5.07	48.44	-8.75e-03	-68.64	0.33	6.55e-03
47	137	600.00	-2.77	48.25	-0.01	-24.70	0.34	-0.01
47	137	650.00	-12.86	30.02	-0.20	-10.69	0.32	-0.02
47	137	700.00	-7.70	18.07	-0.47	-4.27	0.16	-0.02
47	148	340.00	47.63	-54.42	-0.08	187.81	0.03	-0.04
47	148	393.33	47.63	-54.42	-0.08	188.18	-0.02	-0.04
47	148	446.67	44.85	-61.08	-0.15	193.17	-0.12	-0.04
47	148	500.00	56.21	-109.18	-0.09	201.12	-0.15	-0.03
47	148	550.00	38.75	-156.74	-0.10	157.84	-0.06	-0.03
47	148	600.00	38.26	-156.03	0.03	81.84	-0.04	-0.03
47	148	650.00	27.32	-102.13	0.07	42.97	0.01	-0.04
47	148	700.00	6.01	-67.91	0.01	16.17	0.04	-0.04
47	150	340.00	-179.42	52.71	-0.41	-123.82	-0.12	0.02
47	150	393.33	-179.42	52.71	-0.41	-123.45	-0.17	0.02
47	150	446.67	-165.26	57.39	-0.32	-129.57	-0.35	0.02
47	150	500.00	-163.97	98.11	-0.20	-136.63	-0.49	0.02
47	150	550.00	-142.03	135.35	0.02	-103.13	-0.64	0.02
47	150	600.00	-134.12	134.71	0.10	-47.47	-0.61	0.02
47	150	650.00	-108.31	93.62	0.43	-16.03	-0.46	0.03
47	150	700.00	-74.92	63.72	0.77	0.47	-0.15	0.03
47	151	340.00	95.41	-51.33	0.21	145.10	0.12	-4.40e-03
47	151	393.33	95.41	-51.33	0.21	145.47	0.06	-9.27e-04
47	151	446.67	85.67	-56.20	0.08	151.29	0.11	-6.44e-03
47	151	500.00	88.26	-98.08	4.57e-03	157.86	0.15	-0.02
47	151	550.00	69.98	-137.39	-0.09	124.64	0.27	-0.03

47	151	600.00	67.37	-136.74	-4.93e-03	66.11	0.28	-0.04
47	151	650.00	47.17	-93.43	-0.15	31.86	0.27	-0.05
47	151	700.00	23.74	-62.89	-0.39	11.09	0.15	-0.04
47	169	340.00	18.50	16.90	0.45	-104.58	0.15	0.08
47	169	393.33	18.50	16.90	0.45	-104.21	0.10	0.08
47	169	446.67	10.86	19.02	0.33	-101.74	0.31	0.06
47	169	500.00	-2.34	40.19	0.07	-102.10	0.40	0.03
47	169	550.00	-0.82	54.68	-5.14e-03	-78.82	0.39	7.68e-03
47	169	600.00	1.37	54.46	-0.02	-29.08	0.41	-0.01
47	169	650.00	-10.43	33.79	-0.25	-13.11	0.37	-0.02
47	169	700.00	-5.29	20.30	-0.56	-5.62	0.19	-0.02
47	180	340.00	44.58	-53.83	-0.09	186.92	0.03	-0.04
47	180	393.33	44.58	-53.83	-0.09	187.29	-0.03	-0.04
47	180	446.67	42.03	-60.45	-0.16	192.22	-0.12	-0.04
47	180	500.00	53.82	-108.06	-0.09	199.81	-0.16	-0.03
47	180	550.00	36.53	-155.24	-0.10	156.89	-0.06	-0.03
47	180	600.00	36.29	-154.53	0.03	81.40	-0.05	-0.03
47	180	650.00	25.68	-101.03	0.07	42.83	4.85e-03	-0.04
47	180	700.00	5.28	-67.18	0.03	16.74	0.04	-0.04
47	182	340.00	-177.63	51.86	-0.41	-121.44	-0.12	0.02
47	182	393.33	-177.63	51.86	-0.41	-121.07	-0.17	0.02
47	182	446.67	-163.53	56.47	-0.32	-127.15	-0.35	0.02
47	182	500.00	-162.39	96.52	-0.20	-133.87	-0.49	0.02
47	182	550.00	-140.60	133.18	0.02	-101.03	-0.64	0.02
47	182	600.00	-132.65	132.55	0.10	-46.50	-0.61	0.02
47	182	650.00	-107.09	92.13	0.43	-15.47	-0.45	0.02
47	182	700.00	-74.55	62.69	0.77	0.19	-0.14	0.03
47	183	340.00	93.62	-50.48	0.21	142.71	0.12	-3.84e-03
47	183	393.33	93.62	-50.48	0.21	143.08	0.06	-4.01e-04
47	183	446.67	83.94	-55.27	0.08	148.88	0.11	-5.99e-03
47	183	500.00	86.67	-96.49	4.60e-03	155.10	0.15	-0.02
47	183	550.00	68.54	-135.22	-0.09	122.54	0.26	-0.02
47	183	600.00	65.91	-134.58	-3.84e-03	65.14	0.28	-0.04
47	183	650.00	45.94	-91.94	-0.15	31.30	0.27	-0.05
47	183	700.00	23.37	-61.86	-0.39	11.37	0.14	-0.04
47	201	340.00	21.39	16.98	0.46	-106.06	0.16	0.08
47	201	393.33	21.39	16.98	0.46	-105.69	0.10	0.08
47	201	446.67	13.47	19.11	0.34	-103.06	0.32	0.07
47	201	500.00	-0.05	40.25	0.07	-103.08	0.41	0.03
47	201	550.00	1.14	54.74	-2.59e-03	-79.77	0.41	8.31e-03
47	201	600.00	2.83	54.52	-0.02	-29.65	0.42	-0.01
47	201	650.00	-9.41	33.82	-0.26	-13.56	0.39	-0.02
47	201	700.00	-4.52	20.40	-0.58	-6.13	0.19	-0.02
47	212	340.00	57.78	-63.11	-0.09	217.74	0.03	-0.05
47	212	393.33	57.78	-63.11	-0.09	218.11	-0.02	-0.05
47	212	446.67	54.60	-70.87	-0.17	223.88	-0.12	-0.04
47	212	500.00	68.45	-126.51	-0.09	232.62	-0.16	-0.04
47	212	550.00	47.89	-181.65	-0.11	182.27	-0.05	-0.04
47	212	600.00	47.30	-180.83	0.03	93.98	-0.03	-0.04
47	212	650.00	34.58	-118.27	0.07	49.03	0.02	-0.05
47	212	700.00	10.05	-78.70	6.09e-03	18.84	0.05	-0.04
47	214	340.00	-200.34	60.38	-0.47	-143.43	-0.14	0.02
47	214	393.33	-200.34	60.38	-0.47	-143.06	-0.19	0.03
47	214	446.67	-184.20	65.77	-0.36	-150.15	-0.39	0.02
47	214	500.00	-183.35	112.59	-0.22	-157.76	-0.55	0.03
47	214	550.00	-158.13	155.55	0.03	-119.56	-0.72	0.02
47	214	600.00	-149.27	154.81	0.11	-55.84	-0.69	0.03
47	214	650.00	-119.84	107.47	0.48	-19.36	-0.52	0.03
47	214	700.00	-82.77	73.06	0.87	-0.81	-0.17	0.03
47	215	340.00	116.32	-59.00	0.26	164.71	0.14	-5.88e-03
47	215	393.33	116.32	-59.00	0.26	165.07	0.08	-2.46e-03
47	215	446.67	104.61	-64.58	0.12	171.87	0.15	-8.40e-03
47	215	500.00	107.64	-112.57	0.02	178.99	0.21	-0.02
47	215	550.00	86.08	-157.59	-0.09	141.07	0.34	-0.03
47	215	600.00	82.53	-156.85	-0.01	74.48	0.36	-0.04
47	215	650.00	58.70	-107.27	-0.20	35.19	0.33	-0.05
47	215	700.00	31.59	-72.23	-0.49	12.37	0.17	-0.05
47	225	340.00	2.41	31.22	0.31	-135.67	0.12	0.10
47	225	393.33	2.41	31.22	0.31	-135.30	0.06	0.10
47	225	446.67	-6.05	39.24	0.24	-138.66	0.22	0.08
47	225	500.00	-25.48	68.93	0.04	-148.75	0.26	0.07
47	225	550.00	-13.33	110.63	9.09e-03	-109.00	0.23	0.02
47	225	600.00	-15.99	110.18	1.37e-03	-53.02	0.25	2.47e-03
47	225	650.00	-20.51	62.73	-0.15	-31.97	0.24	1.38e-03
47	225	700.00	-6.33	42.30	-0.34	-7.57	0.13	9.00e-04

47	264	340.00	-41.55	-1.35	-0.12	18.23	0.0	9.73e-03
47	264	393.33	-41.55	-1.35	-0.12	17.52	-0.06	0.01
47	264	446.67	-39.37	-1.66	-0.13	17.88	-0.13	9.60e-03
47	264	500.00	-37.23	-4.13	-0.11	17.70	-0.19	5.10e-03
47	264	550.00	-36.01	-6.94	-0.04	15.98	-0.21	-1.33e-03
47	264	600.00	-33.19	-6.94	0.05	11.48	-0.18	-6.92e-03
47	264	650.00	-30.89	-3.89	0.16	8.96	-0.10	-0.01
47	264	700.00	-26.40	-2.35	0.21	6.11	0.0	-8.88e-03
47	273	340.00	-29.51	0.47	1.33	5.65	0.0	0.07
47	273	393.33	-29.51	0.47	1.33	5.90	0.71	0.09
47	273	446.67	-28.38	0.40	0.82	6.08	1.15	0.05
47	273	500.00	-27.48	0.07	0.28	6.09	1.30	9.91e-03
47	273	550.00	-26.57	-0.43	-0.16	6.65	1.21	-0.02
47	273	600.00	-25.15	-0.42	-0.27	6.32	1.08	-0.07
47	273	650.00	-23.36	0.04	-0.78	5.49	0.69	-0.08
47	273	700.00	-19.80	0.26	-1.38	3.98	0.0	-0.07
47	276	340.00	-38.97	0.58	1.28	9.95	0.0	0.07
47	276	393.33	-38.97	0.58	1.28	10.26	0.68	0.09
47	276	446.67	-37.32	0.50	0.76	10.45	1.09	0.06
47	276	500.00	-35.95	-0.06	0.23	10.53	1.21	0.01
47	276	550.00	-34.69	-1.06	-0.18	10.94	1.12	-0.02
47	276	600.00	-32.63	-1.06	-0.24	9.87	0.99	-0.07
47	276	650.00	-30.39	7.11e-03	-0.71	8.77	0.64	-0.09
47	276	700.00	-25.75	0.34	-1.28	6.74	0.0	-0.07
47	280	340.00	-49.94	0.83	-0.56	14.04	0.0	-7.58e-03
47	280	393.33	-49.94	0.83	-0.56	14.49	-0.30	-7.86e-03
47	280	446.67	-47.21	0.72	-0.43	14.26	-0.52	-4.14e-03
47	280	500.00	-44.79	-0.02	-0.23	14.00	-0.65	3.09e-03
47	280	550.00	-42.57	-1.41	-7.30e-04	13.99	-0.65	3.39e-03
47	280	600.00	-39.29	-1.41	0.15	11.95	-0.57	0.01
47	280	650.00	-36.00	0.15	0.45	10.27	-0.35	8.45e-03
47	280	700.00	-30.11	0.53	0.70	7.73	0.0	7.56e-03
47	298	340.00	-43.10	0.70	-0.11	11.14	0.0	8.99e-03
47	298	393.33	-43.10	0.70	-0.11	11.51	-0.06	0.01
47	298	446.67	-40.83	0.60	-0.13	11.36	-0.13	8.63e-03
47	298	500.00	-38.83	-0.01	-0.10	11.12	-0.18	4.31e-03
47	298	550.00	-36.95	-1.11	-0.04	11.23	-0.20	-1.89e-03
47	298	600.00	-34.21	-1.10	0.05	9.70	-0.18	-7.29e-03
47	298	650.00	-31.35	0.08	0.15	8.26	-0.10	-0.01
47	298	700.00	-26.25	0.42	0.20	6.06	0.0	-9.01e-03
47	305	340.00	-41.34	0.27	-0.10	11.89	0.0	8.47e-03
47	305	393.33	-41.34	0.27	-0.10	12.04	-0.06	0.01
47	305	446.67	-39.16	0.13	-0.12	11.99	-0.12	8.19e-03
47	305	500.00	-37.20	-0.82	-0.10	11.75	-0.17	4.15e-03
47	305	550.00	-35.50	-2.18	-0.03	11.52	-0.19	-1.64e-03
47	305	600.00	-32.85	-2.18	0.05	9.50	-0.16	-6.69e-03
47	305	650.00	-30.17	-0.71	0.14	7.88	-0.09	-0.01
47	305	700.00	-25.35	-0.15	0.19	5.63	0.0	-8.33e-03
47	306	340.00	-34.24	0.60	0.22	7.25	0.0	0.02
47	306	393.33	-34.24	0.60	0.22	7.57	0.12	0.02
47	306	446.67	-32.56	0.53	0.10	7.50	0.17	0.01
47	306	500.00	-31.13	0.15	7.88e-03	7.29	0.18	3.89e-03
47	306	550.00	-29.71	-0.48	-0.05	7.65	0.15	-4.87e-03
47	306	600.00	-27.70	-0.48	-0.03	6.90	0.14	-0.02
47	306	650.00	-25.37	0.16	-0.09	5.79	0.09	-0.02
47	306	700.00	-21.27	0.37	-0.19	4.06	0.0	-0.02
47	307	340.00	-40.82	0.66	0.17	10.24	0.0	0.02
47	307	393.33	-40.82	0.66	0.17	10.59	0.09	0.03
47	307	446.67	-38.75	0.56	0.06	10.51	0.12	0.02
47	307	500.00	-36.94	-5.39e-03	-0.03	10.32	0.11	5.54e-03
47	307	550.00	-35.24	-1.01	-0.06	10.51	0.08	-5.58e-03
47	307	600.00	-32.73	-1.00	-0.01	9.17	0.07	-0.02
47	307	650.00	-30.07	0.07	-0.03	7.84	0.06	-0.03
47	307	700.00	-25.23	0.39	-0.11	5.76	0.0	-0.02
47	309	340.00	-35.42	0.63	-0.06	7.65	0.0	5.00e-03
47	309	393.33	-35.42	0.63	-0.06	7.99	-0.03	7.06e-03
47	309	446.67	-33.60	0.56	-0.07	7.86	-0.07	4.80e-03
47	309	500.00	-32.04	0.17	-0.06	7.59	-0.10	2.39e-03
47	309	550.00	-30.49	-0.49	-0.02	7.89	-0.11	-1.06e-03
47	309	600.00	-28.34	-0.49	0.03	7.05	-0.10	-4.07e-03
47	309	650.00	-25.87	0.18	0.09	5.86	-0.05	-6.17e-03
47	309	700.00	-21.63	0.40	0.11	4.08	0.0	-5.03e-03
47	310	340.00	-42.01	0.69	-0.10	10.64	0.0	8.42e-03
47	310	393.33	-42.01	0.69	-0.10	11.01	-0.06	0.01
47	310	446.67	-39.79	0.60	-0.12	10.86	-0.12	8.09e-03

47	310	500.00	-37.86	0.01	-0.10	10.62	-0.17	4.04e-03
47	310	550.00	-36.03	-1.02	-0.03	10.76	-0.19	-1.77e-03
47	310	600.00	-33.37	-1.02	0.05	9.32	-0.17	-6.83e-03
47	310	650.00	-30.57	0.10	0.14	7.91	-0.09	-0.01
47	310	700.00	-25.59	0.41	0.19	5.78	0.0	-8.44e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-200.34	-181.65	-2.14	-157.76	-0.96	-0.13
	116.32	155.55	2.04	232.62	2.00	0.14

Macro	Tipo	Angolo 1-Z (gradi)
48	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
48	44	340.00	-13.60	-0.91	-1.92e-03	0.31	0.0	-7.19e-04
48	44	393.33	-13.60	-0.91	-1.92e-03	-0.17	-1.02e-03	-1.09e-03
48	44	446.67	-13.56	-0.79	-4.96e-03	0.26	-3.67e-03	-1.11e-03
48	44	500.00	-13.82	-0.32	-6.77e-03	0.93	-7.28e-03	-7.74e-04
48	44	550.00	-14.80	-3.60	5.63e-04	6.73e-03	-7.00e-03	3.82e-04
48	44	600.00	-14.48	-3.60	5.63e-04	-1.79	-6.72e-03	9.75e-04
48	44	650.00	-11.66	-0.33	7.39e-03	-1.09	-3.02e-03	2.21e-03
48	44	700.00	-8.29	-0.87	6.05e-03	-0.64	0.0	1.73e-03
48	68	340.00	-11.44	-0.39	1.45	0.20	0.0	-0.01
48	68	393.33	-11.44	-0.39	1.45	-0.01	0.78	-0.02
48	68	446.67	-11.36	-0.31	1.32	0.12	1.48	-0.02
48	68	500.00	-11.52	-0.13	1.09	0.33	2.06	-0.02
48	68	550.00	-12.30	-1.26	-0.34	2.39e-03	1.89	4.01e-03
48	68	600.00	-11.99	-1.26	-0.59	-0.63	1.59	0.01
48	68	650.00	-9.63	-0.10	-1.51	-0.37	0.84	0.03
48	68	700.00	-6.87	-0.30	-1.68	-0.19	0.0	0.02
48	69	340.00	-6.66	-0.12	1.45	0.06	0.0	-0.01
48	69	393.33	-6.66	-0.12	1.45	-3.58e-03	0.78	-0.02
48	69	446.67	-6.56	-0.10	1.32	0.04	1.48	-0.02
48	69	500.00	-6.56	-0.04	1.09	0.10	2.06	-0.01
48	69	550.00	-6.96	-0.40	-0.34	-1.11e-03	1.89	3.80e-03
48	69	600.00	-6.72	-0.40	-0.59	-0.20	1.60	0.01
48	69	650.00	-5.39	-0.03	-1.51	-0.12	0.84	0.03
48	69	700.00	-3.84	-0.09	-1.68	-0.06	0.0	0.02
48	76	340.00	-14.00	-0.50	-0.44	0.26	0.0	2.80e-03
48	76	393.33	-14.00	-0.50	-0.44	-0.01	-0.23	4.25e-03
48	76	446.67	-13.96	-0.41	-0.40	0.15	-0.45	4.29e-03
48	76	500.00	-14.23	-0.18	-0.34	0.44	-0.63	3.20e-03
48	76	550.00	-15.24	-1.64	0.10	0.02	-0.58	-7.33e-04
48	76	600.00	-14.93	-1.64	0.18	-0.80	-0.49	-2.40e-03
48	76	650.00	-12.00	-0.14	0.46	-0.47	-0.26	-5.65e-03
48	76	700.00	-8.56	-0.38	0.51	-0.25	0.0	-4.40e-03
48	116	340.00	-14.73	-8.57	-0.12	-0.80	7.71e-03	-0.01
48	116	393.33	-14.73	-8.57	-0.12	-0.94	7.08e-03	-0.01
48	116	446.67	-15.27	-8.29	0.05	3.00	0.02	-0.01
48	116	500.00	-14.48	-4.33	0.04	7.84	0.04	-7.53e-03
48	116	550.00	-17.69	-32.89	0.01	6.44	0.17	-2.42e-03
48	116	600.00	-15.04	-32.79	-0.03	-9.38	0.03	-3.15e-03
48	116	650.00	-12.18	-5.40	-5.32e-03	-9.57	0.02	-5.76e-03
48	116	700.00	-8.94	-10.64	-0.03	-4.64	9.42e-03	-6.11e-03
48	133	340.00	1.42	4.40	0.19	0.48	0.05	7.44e-03
48	133	393.33	1.42	4.40	0.19	0.34	0.05	6.98e-03
48	133	446.67	3.01	4.33	0.18	-1.24	0.14	6.76e-03
48	133	500.00	0.07	2.30	0.18	-4.15	0.23	2.24e-03
48	133	550.00	7.64	17.29	-0.05	-2.54	0.27	2.55e-03
48	133	600.00	0.40	17.25	-0.08	4.64	0.24	5.66e-03
48	133	650.00	0.39	2.97	-0.22	5.00	0.17	0.01
48	133	700.00	0.83	5.77	-0.25	2.39	0.06	0.01
48	136	340.00	-19.90	-4.94	-0.19	-0.21	-0.05	-8.50e-03
48	136	393.33	-19.90	-4.94	-0.19	-0.35	-0.05	-8.59e-03
48	136	446.67	-21.37	-4.76	-0.19	1.41	-0.14	-8.35e-03
48	136	500.00	-18.69	-2.49	-0.19	4.61	-0.24	-3.38e-03
48	136	550.00	-27.52	-19.01	0.05	2.56	-0.28	-2.16e-03
48	136	600.00	-19.79	-18.97	0.08	-5.48	-0.25	-4.54e-03
48	136	650.00	-15.97	-3.11	0.23	-5.49	-0.18	-7.98e-03
48	136	700.00	-11.95	-6.16	0.25	-2.64	-0.06	-8.05e-03
48	137	340.00	3.10	3.56	0.41	0.40	0.10	-5.46e-03

48	137	393.33	3.10	3.56	0.41	0.26	0.10	-5.59e-03
48	137	446.67	2.83	3.50	0.35	-1.25	0.29	-5.38e-03
48	137	500.00	5.58	1.87	0.34	-2.50	0.47	-3.22e-03
48	137	550.00	4.31	13.86	-0.09	-2.77	0.51	3.17e-03
48	137	600.00	5.13	13.82	-0.14	3.00	0.50	7.97e-03
48	137	650.00	6.45	2.18	-0.45	3.00	0.36	0.02
48	137	700.00	3.78	4.64	-0.49	1.51	0.12	0.02
48	148	340.00	-15.46	-9.60	-0.14	-0.91	8.51e-03	-0.01
48	148	393.33	-15.46	-9.60	-0.14	-1.05	7.88e-03	-0.01
48	148	446.67	-16.07	-9.29	0.06	3.36	0.03	-0.01
48	148	500.00	-15.17	-4.86	0.04	8.79	0.04	-8.36e-03
48	148	550.00	-18.71	-36.87	0.01	7.24	0.19	-2.74e-03
48	148	600.00	-15.75	-36.76	-0.03	-10.49	0.03	-3.59e-03
48	148	650.00	-12.76	-6.06	-6.15e-03	-10.73	0.02	-6.57e-03
48	148	700.00	-9.39	-11.94	-0.03	-5.21	0.01	-6.92e-03
48	165	340.00	2.83	5.01	0.22	0.52	0.06	8.44e-03
48	165	393.33	2.83	5.01	0.22	0.38	0.06	7.96e-03
48	165	446.67	4.61	4.91	0.21	-1.41	0.16	7.71e-03
48	165	500.00	1.31	2.61	0.20	-4.71	0.26	2.61e-03
48	165	550.00	9.95	19.63	-0.05	-2.87	0.30	2.85e-03
48	165	600.00	1.75	19.58	-0.08	5.29	0.27	6.30e-03
48	165	650.00	1.48	3.36	-0.25	5.68	0.20	0.01
48	165	700.00	1.68	6.53	-0.28	2.71	0.07	0.01
48	168	340.00	-21.31	-5.54	-0.22	-0.25	-0.06	-9.51e-03
48	168	393.33	-21.31	-5.54	-0.22	-0.39	-0.06	-9.57e-03
48	168	446.67	-22.96	-5.35	-0.21	1.58	-0.16	-9.30e-03
48	168	500.00	-19.93	-2.80	-0.21	5.18	-0.27	-3.76e-03
48	168	550.00	-29.83	-21.35	0.05	2.89	-0.31	-2.46e-03
48	168	600.00	-21.15	-21.31	0.09	-6.13	-0.28	-5.18e-03
48	168	650.00	-17.06	-3.50	0.26	-6.17	-0.20	-9.14e-03
48	168	700.00	-12.80	-6.93	0.29	-2.97	-0.07	-9.17e-03
48	169	340.00	4.73	4.04	0.46	0.43	0.11	-5.94e-03
48	169	393.33	4.73	4.04	0.46	0.29	0.11	-6.06e-03
48	169	446.67	4.41	3.97	0.39	-1.42	0.32	-5.84e-03
48	169	500.00	7.52	2.12	0.39	-2.85	0.53	-3.50e-03
48	169	550.00	6.17	15.73	-0.10	-3.13	0.58	3.55e-03
48	169	600.00	7.06	15.68	-0.16	3.44	0.57	8.87e-03
48	169	650.00	8.31	2.47	-0.51	3.41	0.41	0.02
48	169	700.00	4.99	5.25	-0.56	1.72	0.14	0.02
48	180	340.00	-15.67	-9.52	-0.14	-0.88	7.49e-03	-0.01
48	180	393.33	-15.67	-9.52	-0.14	-1.02	6.86e-03	-0.01
48	180	446.67	-16.26	-9.21	0.05	3.33	0.02	-0.01
48	180	500.00	-15.36	-4.81	0.04	8.71	0.04	-8.13e-03
48	180	550.00	-18.96	-36.55	0.01	7.16	0.18	-2.73e-03
48	180	600.00	-15.98	-36.44	-0.03	-10.40	0.03	-3.42e-03
48	180	650.00	-12.94	-6.00	-3.43e-03	-10.63	0.02	-6.20e-03
48	180	700.00	-9.53	-11.84	-0.03	-5.16	9.21e-03	-6.50e-03
48	197	340.00	3.22	5.08	0.21	0.52	0.06	8.48e-03
48	197	393.33	3.22	5.08	0.21	0.38	0.06	8.00e-03
48	197	446.67	4.98	4.98	0.20	-1.44	0.16	7.71e-03
48	197	500.00	1.71	2.65	0.20	-4.78	0.26	2.72e-03
48	197	550.00	10.52	19.92	-0.05	-2.91	0.30	2.92e-03
48	197	600.00	2.25	19.87	-0.08	5.36	0.27	6.30e-03
48	197	650.00	1.84	3.41	-0.25	5.75	0.20	0.01
48	197	700.00	1.96	6.63	-0.28	2.74	0.07	0.01
48	200	340.00	-21.70	-5.61	-0.22	-0.25	-0.06	-9.55e-03
48	200	393.33	-21.70	-5.61	-0.22	-0.39	-0.06	-9.60e-03
48	200	446.67	-23.34	-5.41	-0.21	1.61	-0.16	-9.30e-03
48	200	500.00	-20.32	-2.84	-0.21	5.24	-0.27	-3.87e-03
48	200	550.00	-30.39	-21.64	0.05	2.93	-0.31	-2.53e-03
48	200	600.00	-21.65	-21.59	0.08	-6.20	-0.28	-5.18e-03
48	200	650.00	-17.43	-3.55	0.26	-6.25	-0.20	-9.12e-03
48	200	700.00	-13.08	-7.03	0.29	-3.00	-0.07	-9.11e-03
48	201	340.00	5.11	4.05	0.47	0.43	0.11	-5.04e-03
48	201	393.33	5.11	4.05	0.47	0.29	0.11	-5.19e-03
48	201	446.67	4.73	3.97	0.40	-1.44	0.33	-5.07e-03
48	201	500.00	7.89	2.12	0.40	-2.86	0.54	-3.08e-03
48	201	550.00	6.48	15.75	-0.10	-3.17	0.59	3.58e-03
48	201	600.00	7.35	15.70	-0.16	3.48	0.58	8.67e-03
48	201	650.00	8.63	2.47	-0.52	3.42	0.41	0.02
48	201	700.00	5.20	5.26	-0.57	1.73	0.14	0.02
48	212	340.00	-16.96	-11.10	-0.16	-1.05	8.17e-03	-0.01
48	212	393.33	-16.96	-11.10	-0.16	-1.19	7.54e-03	-0.01
48	212	446.67	-17.66	-10.75	0.06	3.89	0.02	-0.01
48	212	500.00	-16.58	-5.62	0.04	10.17	0.04	-9.41e-03

48	212	550.00	-20.76	-42.69	0.02	8.38	0.20	-3.27e-03
48	212	600.00	-17.26	-42.56	-0.03	-12.11	0.03	-4.14e-03
48	212	650.00	-13.98	-7.02	-2.39e-03	-12.41	0.02	-7.52e-03
48	212	700.00	-10.34	-13.84	-0.03	-6.02	0.01	-7.81e-03
48	229	340.00	5.71	6.08	0.25	0.59	0.07	0.01
48	229	393.33	5.71	6.08	0.25	0.45	0.07	9.72e-03
48	229	446.67	7.79	5.96	0.24	-1.73	0.19	9.36e-03
48	229	500.00	3.94	3.17	0.24	-5.72	0.31	3.40e-03
48	229	550.00	14.60	23.82	-0.06	-3.44	0.36	3.48e-03
48	229	600.00	4.71	23.77	-0.10	6.44	0.33	7.43e-03
48	229	650.00	3.81	4.06	-0.30	6.88	0.23	0.01
48	229	700.00	3.50	7.91	-0.33	3.28	0.08	0.01
48	232	340.00	-24.19	-6.61	-0.26	-0.32	-0.07	-0.01
48	232	393.33	-24.19	-6.61	-0.26	-0.46	-0.07	-0.01
48	232	446.67	-26.15	-6.39	-0.25	1.90	-0.19	-0.01
48	232	500.00	-22.56	-3.36	-0.25	6.19	-0.32	-4.55e-03
48	232	550.00	-34.48	-25.54	0.06	3.47	-0.37	-3.09e-03
48	232	600.00	-24.11	-25.49	0.10	-7.28	-0.34	-6.31e-03
48	232	650.00	-19.39	-4.21	0.31	-7.37	-0.24	-0.01
48	232	700.00	-14.61	-8.31	0.34	-3.54	-0.08	-0.01
48	233	340.00	7.84	4.81	0.55	0.48	0.13	-5.63e-03
48	233	393.33	7.84	4.81	0.55	0.34	0.13	-5.76e-03
48	233	446.67	7.35	4.72	0.47	-1.71	0.39	-5.64e-03
48	233	500.00	11.13	2.51	0.47	-3.41	0.65	-3.43e-03
48	233	550.00	9.55	18.68	-0.12	-3.75	0.71	4.20e-03
48	233	600.00	10.51	18.63	-0.19	4.19	0.69	0.01
48	233	650.00	11.70	2.92	-0.62	4.08	0.49	0.02
48	233	700.00	7.22	6.22	-0.68	2.07	0.17	0.02
48	264	340.00	-10.02	-0.62	-1.33e-03	0.21	0.0	-5.02e-04
48	264	393.33	-10.02	-0.62	-1.33e-03	-0.12	-7.10e-04	-7.63e-04
48	264	446.67	-9.98	-0.54	-3.45e-03	0.18	-2.55e-03	-7.72e-04
48	264	500.00	-10.15	-0.22	-4.70e-03	0.63	-5.06e-03	-5.41e-04
48	264	550.00	-10.86	-2.44	3.91e-04	5.38e-03	-4.86e-03	2.63e-04
48	264	600.00	-10.62	-2.44	3.91e-04	-1.21	-4.67e-03	6.75e-04
48	264	650.00	-8.54	-0.22	5.13e-03	-0.74	-2.10e-03	1.53e-03
48	264	700.00	-6.08	-0.59	4.20e-03	-0.43	0.0	1.20e-03
48	273	340.00	-7.41	-0.15	0.97	0.08	0.0	-8.79e-03
48	273	393.33	-7.41	-0.15	0.97	-2.87e-03	0.52	-0.01
48	273	446.67	-7.33	-0.12	0.88	0.05	0.99	-0.01
48	273	500.00	-7.37	-0.05	0.73	0.13	1.37	-9.88e-03
48	273	550.00	-7.83	-0.49	-0.23	4.20e-03	1.26	2.57e-03
48	273	600.00	-7.59	-0.49	-0.39	-0.24	1.06	8.05e-03
48	273	650.00	-6.09	-0.04	-1.01	-0.14	0.56	0.02
48	273	700.00	-4.35	-0.11	-1.12	-0.07	0.0	0.01
48	276	340.00	-8.57	-0.27	0.97	0.14	0.0	-9.06e-03
48	276	393.33	-8.57	-0.27	0.97	-7.71e-03	0.52	-0.01
48	276	446.67	-8.51	-0.22	0.88	0.08	0.98	-0.01
48	276	500.00	-8.61	-0.09	0.73	0.23	1.37	-0.01
48	276	550.00	-9.19	-0.88	-0.23	2.49e-03	1.26	2.68e-03
48	276	600.00	-8.95	-0.88	-0.39	-0.44	1.06	8.35e-03
48	276	650.00	-7.19	-0.07	-1.00	-0.26	0.56	0.02
48	276	700.00	-5.13	-0.21	-1.12	-0.13	0.0	0.02
48	280	340.00	-10.28	-0.35	-0.29	0.18	0.0	1.84e-03
48	280	393.33	-10.28	-0.35	-0.29	-7.40e-03	-0.16	2.80e-03
48	280	446.67	-10.24	-0.28	-0.27	0.11	-0.30	2.82e-03
48	280	500.00	-10.43	-0.12	-0.22	0.30	-0.42	2.11e-03
48	280	550.00	-11.15	-1.13	0.07	0.01	-0.38	-4.80e-04
48	280	600.00	-10.91	-1.13	0.12	-0.55	-0.33	-1.58e-03
48	280	650.00	-8.77	-0.09	0.31	-0.33	-0.17	-3.71e-03
48	280	700.00	-6.26	-0.26	0.34	-0.17	0.0	-2.89e-03
48	298	340.00	-9.38	-0.28	-1.27e-03	0.14	0.0	-5.67e-04
48	298	393.33	-9.38	-0.28	-1.27e-03	-5.51e-03	-6.75e-04	-8.54e-04
48	298	446.67	-9.32	-0.23	-3.37e-03	0.09	-2.47e-03	-8.47e-04
48	298	500.00	-9.46	-0.10	-4.58e-03	0.24	-4.91e-03	-6.08e-04
48	298	550.00	-10.10	-0.91	3.75e-04	0.01	-4.73e-03	2.09e-04
48	298	600.00	-9.86	-0.91	3.75e-04	-0.44	-4.54e-03	5.99e-04
48	298	650.00	-7.92	-0.08	4.99e-03	-0.26	-2.05e-03	1.39e-03
48	298	700.00	-5.65	-0.21	4.09e-03	-0.14	0.0	1.09e-03
48	305	340.00	-9.33	-0.33	-1.18e-03	0.15	0.0	-5.14e-04
48	305	393.33	-9.33	-0.33	-1.18e-03	-0.03	-6.30e-04	-7.76e-04
48	305	446.67	-9.27	-0.28	-3.14e-03	0.10	-2.30e-03	-7.72e-04
48	305	500.00	-9.41	-0.12	-4.28e-03	0.31	-4.58e-03	-5.52e-04
48	305	550.00	-10.04	-1.16	3.50e-04	0.01	-4.41e-03	2.04e-04
48	305	600.00	-9.80	-1.16	3.50e-04	-0.57	-4.23e-03	5.70e-04
48	305	650.00	-7.88	-0.10	4.65e-03	-0.34	-1.91e-03	1.32e-03

48	305	700.00	-5.62	-0.27	3.81e-03	-0.19	0.0	1.03e-03
48	306	340.00	-8.21	-0.17	0.19	0.09	0.0	-2.02e-03
48	306	393.33	-8.21	-0.17	0.19	-1.55e-03	0.10	-3.06e-03
48	306	446.67	-8.13	-0.14	0.17	0.05	0.20	-3.07e-03
48	306	500.00	-8.21	-0.06	0.14	0.15	0.27	-2.26e-03
48	306	550.00	-8.74	-0.55	-0.05	0.01	0.25	6.01e-04
48	306	600.00	-8.50	-0.55	-0.08	-0.27	0.21	1.87e-03
48	306	650.00	-6.83	-0.04	-0.20	-0.16	0.11	4.38e-03
48	306	700.00	-4.87	-0.12	-0.22	-0.08	0.0	3.42e-03
48	307	340.00	-9.04	-0.26	0.19	0.13	0.0	-2.23e-03
48	307	393.33	-9.04	-0.26	0.19	-5.22e-03	0.10	-3.37e-03
48	307	446.67	-8.98	-0.21	0.17	0.08	0.20	-3.37e-03
48	307	500.00	-9.10	-0.09	0.14	0.23	0.27	-2.48e-03
48	307	550.00	-9.71	-0.85	-0.04	0.01	0.25	6.88e-04
48	307	600.00	-9.47	-0.85	-0.08	-0.41	0.21	2.11e-03
48	307	650.00	-7.61	-0.07	-0.20	-0.24	0.11	4.93e-03
48	307	700.00	-5.43	-0.20	-0.22	-0.13	0.0	3.85e-03
48	309	340.00	-8.41	-0.18	-6.78e-04	0.09	0.0	-3.32e-04
48	309	393.33	-8.41	-0.18	-6.78e-04	-1.22e-03	-3.62e-04	-4.99e-04
48	309	446.67	-8.33	-0.14	-1.89e-03	0.06	-1.37e-03	-4.92e-04
48	309	500.00	-8.42	-0.06	-2.57e-03	0.16	-2.74e-03	-3.56e-04
48	309	550.00	-8.97	-0.57	2.02e-04	0.01	-2.64e-03	1.08e-04
48	309	600.00	-8.73	-0.57	2.02e-04	-0.27	-2.54e-03	3.23e-04
48	309	650.00	-7.01	-0.04	2.79e-03	-0.16	-1.14e-03	7.57e-04
48	309	700.00	-5.00	-0.13	2.28e-03	-0.08	0.0	5.91e-04
48	310	340.00	-9.24	-0.27	-1.18e-03	0.14	0.0	-5.33e-04
48	310	393.33	-9.24	-0.27	-1.18e-03	-4.89e-03	-6.30e-04	-8.03e-04
48	310	446.67	-9.18	-0.22	-3.15e-03	0.08	-2.31e-03	-7.96e-04
48	310	500.00	-9.31	-0.10	-4.30e-03	0.23	-4.60e-03	-5.72e-04
48	310	550.00	-9.94	-0.86	3.50e-04	0.01	-4.43e-03	1.94e-04
48	310	600.00	-9.70	-0.86	3.50e-04	-0.42	-4.25e-03	5.60e-04
48	310	650.00	-7.79	-0.07	4.67e-03	-0.25	-1.92e-03	1.30e-03
48	310	700.00	-5.56	-0.20	3.83e-03	-0.13	0.0	1.02e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-34.48	-42.69	-1.68	-12.41	-0.63	-0.02
	14.60	23.82	1.45	10.17	2.06	0.03

Macro	Tipo	Angolo 1-Z (gradi)
49	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
49	44	340.00	-21.62	0.22	-0.02	-0.13	-1.68e-03	7.05e-03
49	44	393.33	-21.62	0.22	-0.02	-0.01	-0.01	8.53e-03
49	44	446.67	-20.06	-3.92e-03	-0.02	0.52	-0.02	6.62e-03
49	44	500.00	-18.87	-0.71	-0.02	0.55	-0.03	3.55e-03
49	44	550.00	-18.35	-4.17	-7.31e-03	-0.95	-0.04	-2.12e-04
49	44	600.00	-18.75	-4.18	7.54e-03	-2.50	-0.03	-4.38e-03
49	44	650.00	-16.65	-0.69	0.03	-1.02	-0.02	-7.99e-03
49	44	700.00	-12.88	-0.24	0.04	-0.23	0.0	-7.32e-03
49	68	340.00	-13.89	-0.20	1.41	-0.27	-0.09	0.27
49	68	393.33	-13.89	-0.20	1.41	-0.38	0.66	0.30
49	68	446.67	-13.44	-0.31	1.16	-0.02	1.28	0.20
49	68	500.00	-13.24	-0.57	0.82	0.08	1.72	0.09
49	68	550.00	-13.44	-1.75	-0.19	-0.39	1.63	-0.07
49	68	600.00	-13.81	-1.75	-0.51	-0.74	1.37	-0.18
49	68	650.00	-12.96	-0.35	-1.26	0.40	0.74	-0.28
49	68	700.00	-10.62	-0.12	-1.49	0.94	0.0	-0.24
49	69	340.00	-6.19	-0.72	1.43	-0.02	-0.09	0.27
49	69	393.33	-6.19	-0.72	1.43	-0.40	0.67	0.30
49	69	446.67	-6.12	-0.76	1.18	-0.19	1.30	0.20
49	69	500.00	-6.19	-0.83	0.83	-0.09	1.74	0.09
49	69	550.00	-6.50	-1.31	-0.18	-0.28	1.65	-0.07
49	69	600.00	-6.91	-1.31	-0.51	-0.45	1.39	-0.17
49	69	650.00	-6.62	-0.68	-1.28	0.10	0.76	-0.27
49	69	700.00	-5.51	-0.58	-1.51	0.39	0.0	-0.23
49	92	340.00	-21.92	1.16	-0.74	-0.45	0.05	-0.13
49	92	393.33	-21.92	1.16	-0.74	0.17	-0.35	-0.14
49	92	446.67	-20.63	1.00	-0.62	0.39	-0.68	-0.09
49	92	500.00	-19.64	0.64	-0.43	0.22	-0.91	-0.04
49	92	550.00	-19.04	-0.58	0.08	-0.55	-0.87	0.04

49	92	600.00	-18.27	-0.59	0.27	-0.95	-0.73	0.08
49	92	650.00	-16.11	0.74	0.67	0.20	-0.40	0.13
49	92	700.00	-12.53	0.84	0.80	0.63	0.0	0.11
49	119	340.00	-14.52	-16.23	1.30	0.39	-0.48	0.14
49	119	393.33	-14.52	-16.23	1.30	0.61	-0.49	0.06
49	119	446.67	-1.58	-15.43	0.60	7.21	-0.06	0.03
49	119	500.00	3.56	-20.46	0.09	11.42	0.08	2.04e-03
49	119	550.00	1.22	-53.29	0.05	7.67	-0.11	-0.01
49	119	600.00	-11.30	-53.68	0.06	-9.44	-0.10	-0.04
49	119	650.00	-13.23	-20.97	-0.13	-12.14	0.08	-0.06
49	119	700.00	-15.19	-15.99	-0.14	-6.99	0.03	-0.07
49	139	340.00	43.78	-9.47	1.64	-4.35	-0.56	0.20
49	139	393.33	43.78	-9.47	1.64	-4.12	-0.57	0.11
49	139	446.67	40.58	-9.39	0.87	-1.25	0.07	0.08
49	139	500.00	35.62	-10.62	0.40	1.06	0.37	0.03
49	139	550.00	29.41	-21.43	0.05	2.20	0.43	-0.01
49	139	600.00	20.92	-23.46	-0.07	0.19	0.42	-0.05
49	139	650.00	12.90	-10.35	-0.39	1.16	0.37	-0.08
49	139	700.00	8.13	-8.64	-0.55	2.05	0.14	-0.09
49	141	340.00	57.43	-2.01	1.32	-6.12	-0.42	0.18
49	141	393.33	57.43	-2.01	1.32	-5.89	-0.43	0.11
49	141	446.67	47.71	-2.43	0.74	-5.87	0.10	0.08
49	141	500.00	38.97	-0.90	0.40	-5.59	0.38	0.04
49	141	550.00	32.68	5.86	0.04	-1.92	0.52	-0.01
49	141	600.00	30.19	3.72	-0.10	5.98	0.49	-0.04
49	141	650.00	21.53	-0.14	-0.38	9.11	0.37	-0.07
49	141	700.00	15.98	-1.05	-0.55	7.18	0.14	-0.07
49	144	340.00	-84.49	2.85	-1.35	5.57	0.43	-0.17
49	144	393.33	-84.49	2.85	-1.35	5.80	0.42	-0.10
49	144	446.67	-73.31	3.08	-0.78	6.14	-0.13	-0.07
49	144	500.00	-63.52	1.12	-0.42	5.73	-0.42	-0.03
49	144	550.00	-56.74	-7.19	-0.04	1.13	-0.57	9.76e-03
49	144	600.00	-53.60	-5.05	0.11	-7.31	-0.53	0.04
49	144	650.00	-42.41	0.54	0.42	-8.92	-0.40	0.06
49	144	700.00	-32.39	1.60	0.60	-6.35	-0.14	0.06
49	151	340.00	-14.52	-18.28	1.46	0.47	-0.54	0.16
49	151	393.33	-14.52	-18.28	1.46	0.70	-0.55	0.07
49	151	446.67	-0.15	-17.37	0.67	8.08	-0.07	0.04
49	151	500.00	5.54	-22.99	0.10	12.81	0.09	2.17e-03
49	151	550.00	2.88	-59.77	0.05	8.66	-0.11	-0.02
49	151	600.00	-11.21	-60.22	0.07	-10.51	-0.10	-0.04
49	151	650.00	-13.53	-23.57	-0.15	-13.65	0.10	-0.07
49	151	700.00	-16.02	-17.99	-0.16	-7.90	0.03	-0.07
49	171	340.00	51.35	-10.72	1.85	-4.88	-0.63	0.23
49	171	393.33	51.35	-10.72	1.85	-4.66	-0.64	0.13
49	171	446.67	47.57	-10.61	0.99	-1.46	0.08	0.09
49	171	500.00	41.87	-11.96	0.45	1.14	0.43	0.04
49	171	550.00	34.82	-23.99	0.06	2.51	0.49	-0.01
49	171	600.00	25.21	-26.28	-0.08	0.34	0.48	-0.05
49	171	650.00	16.00	-11.66	-0.44	1.33	0.41	-0.09
49	171	700.00	10.31	-9.76	-0.62	2.28	0.16	-0.10
49	173	340.00	66.69	-2.33	1.49	-6.88	-0.48	0.20
49	173	393.33	66.69	-2.33	1.49	-6.65	-0.49	0.12
49	173	446.67	55.61	-2.80	0.84	-6.65	0.12	0.09
49	173	500.00	45.66	-1.03	0.45	-6.32	0.44	0.04
49	173	550.00	38.52	6.67	0.04	-2.12	0.59	-0.01
49	173	600.00	35.65	4.26	-0.11	6.84	0.56	-0.05
49	173	650.00	25.70	-0.19	-0.43	10.27	0.42	-0.08
49	173	700.00	19.13	-1.22	-0.63	8.05	0.16	-0.08
49	176	340.00	-93.75	3.18	-1.52	6.33	0.48	-0.19
49	176	393.33	-93.75	3.18	-1.52	6.56	0.48	-0.11
49	176	446.67	-81.22	3.45	-0.87	6.92	-0.15	-0.08
49	176	500.00	-70.21	1.26	-0.47	6.46	-0.48	-0.04
49	176	550.00	-62.58	-8.00	-0.05	1.32	-0.63	0.01
49	176	600.00	-59.06	-5.59	0.12	-8.17	-0.60	0.04
49	176	650.00	-46.59	0.59	0.47	-10.07	-0.45	0.07
49	176	700.00	-35.54	1.78	0.67	-7.23	-0.16	0.07
49	183	340.00	-13.76	-17.98	1.45	0.50	-0.54	0.16
49	183	393.33	-13.76	-17.98	1.45	0.73	-0.54	0.07
49	183	446.67	-0.05	-17.09	0.66	7.91	-0.06	0.04
49	183	500.00	5.42	-22.62	0.11	12.57	0.10	2.82e-03
49	183	550.00	2.79	-58.86	0.05	8.49	-0.10	-0.01
49	183	600.00	-11.02	-59.31	0.07	-10.33	-0.09	-0.04
49	183	650.00	-13.28	-23.19	-0.15	-13.41	0.10	-0.07
49	183	700.00	-15.72	-17.70	-0.16	-7.74	0.04	-0.07

49	203	340.00	53.26	-10.65	1.88	-5.01	-0.64	0.23
49	203	393.33	53.26	-10.65	1.88	-4.78	-0.65	0.13
49	203	446.67	49.03	-10.56	0.99	-1.65	0.08	0.09
49	203	500.00	42.98	-11.82	0.46	0.92	0.43	0.04
49	203	550.00	35.83	-23.57	0.06	2.42	0.50	-0.01
49	203	600.00	26.21	-25.87	-0.08	0.55	0.49	-0.05
49	203	650.00	16.86	-11.50	-0.45	1.55	0.42	-0.09
49	203	700.00	10.99	-9.66	-0.63	2.46	0.16	-0.09
49	205	340.00	68.37	-2.41	1.53	-7.01	-0.49	0.20
49	205	393.33	68.37	-2.41	1.53	-6.78	-0.50	0.12
49	205	446.67	57.09	-2.88	0.85	-6.75	0.12	0.09
49	205	500.00	46.86	-1.08	0.46	-6.42	0.44	0.04
49	205	550.00	39.59	6.61	0.05	-2.11	0.59	-0.01
49	205	600.00	36.59	4.18	-0.11	6.95	0.56	-0.05
49	205	650.00	26.48	-0.22	-0.44	10.37	0.43	-0.08
49	205	700.00	19.72	-1.27	-0.64	8.15	0.16	-0.08
49	208	340.00	-95.43	3.26	-1.56	6.46	0.50	-0.19
49	208	393.33	-95.43	3.26	-1.56	6.69	0.49	-0.11
49	208	446.67	-82.69	3.53	-0.88	7.02	-0.15	-0.08
49	208	500.00	-71.41	1.31	-0.48	6.56	-0.48	-0.04
49	208	550.00	-63.65	-7.94	-0.05	1.32	-0.64	0.01
49	208	600.00	-60.00	-5.52	0.12	-8.28	-0.60	0.04
49	208	650.00	-47.36	0.63	0.47	-10.17	-0.45	0.07
49	208	700.00	-36.13	1.82	0.68	-7.32	-0.16	0.07
49	215	340.00	-13.60	-21.05	1.69	0.66	-0.63	0.18
49	215	393.33	-13.60	-21.05	1.69	0.89	-0.63	0.08
49	215	446.67	2.12	-19.99	0.78	9.21	-0.07	0.04
49	215	500.00	8.37	-26.41	0.13	14.64	0.12	3.21e-03
49	215	550.00	5.28	-68.58	0.06	9.98	-0.11	-0.02
49	215	600.00	-10.77	-69.11	0.08	-11.93	-0.10	-0.05
49	215	650.00	-13.63	-27.08	-0.18	-15.65	0.12	-0.08
49	215	700.00	-16.92	-20.70	-0.20	-9.09	0.04	-0.08
49	235	340.00	65.99	-12.56	2.23	-5.91	-0.75	0.27
49	235	393.33	65.99	-12.56	2.23	-5.69	-0.76	0.15
49	235	446.67	60.66	-12.44	1.18	-2.06	0.10	0.11
49	235	500.00	53.29	-13.85	0.55	0.95	0.51	0.05
49	235	550.00	44.78	-27.37	0.07	2.87	0.60	-0.02
49	235	600.00	33.44	-30.08	-0.10	0.87	0.58	-0.06
49	235	650.00	22.12	-13.47	-0.53	1.93	0.50	-0.11
49	235	700.00	14.72	-11.35	-0.75	2.91	0.19	-0.11
49	237	340.00	83.67	-2.97	1.82	-8.26	-0.59	0.24
49	237	393.33	83.67	-2.97	1.82	-8.03	-0.59	0.14
49	237	446.67	70.16	-3.51	1.01	-8.01	0.14	0.10
49	237	500.00	57.90	-1.34	0.55	-7.61	0.52	0.05
49	237	550.00	49.25	7.79	0.06	-2.41	0.71	-0.01
49	237	600.00	45.57	4.93	-0.13	8.33	0.67	-0.06
49	237	650.00	33.35	-0.34	-0.52	12.21	0.51	-0.09
49	237	700.00	24.91	-1.58	-0.76	9.55	0.19	-0.09
49	240	340.00	-110.73	3.82	-1.85	7.71	0.59	-0.23
49	240	393.33	-110.73	3.82	-1.85	7.94	0.58	-0.13
49	240	446.67	-95.76	4.16	-1.05	8.29	-0.17	-0.10
49	240	500.00	-82.45	1.57	-0.57	7.74	-0.57	-0.05
49	240	550.00	-73.31	-9.12	-0.06	1.62	-0.75	0.01
49	240	600.00	-68.98	-6.26	0.14	-9.66	-0.71	0.05
49	240	650.00	-54.23	0.74	0.56	-12.01	-0.54	0.08
49	240	700.00	-41.32	2.14	0.80	-8.73	-0.19	0.08
49	264	340.00	-15.58	0.13	-0.01	-0.09	-1.33e-03	4.96e-03
49	264	393.33	-15.58	0.13	-0.01	-0.03	-8.17e-03	5.90e-03
49	264	446.67	-14.47	-0.03	-0.02	0.34	-0.02	4.60e-03
49	264	500.00	-13.63	-0.51	-0.01	0.35	-0.02	2.46e-03
49	264	550.00	-13.26	-2.87	-5.02e-03	-0.70	-0.03	-1.60e-04
49	264	600.00	-13.49	-2.88	5.34e-03	-1.75	-0.02	-3.06e-03
49	264	650.00	-11.96	-0.49	0.02	-0.72	-0.01	-5.56e-03
49	264	700.00	-9.25	-0.20	0.03	-0.16	0.0	-5.08e-03
49	273	340.00	-8.66	-0.34	0.95	-0.08	-0.06	0.18
49	273	393.33	-8.66	-0.34	0.95	-0.26	0.45	0.20
49	273	446.67	-8.38	-0.39	0.78	-0.07	0.86	0.13
49	273	500.00	-8.26	-0.50	0.55	-0.03	1.16	0.06
49	273	550.00	-8.38	-1.02	-0.12	-0.30	1.10	-0.05
49	273	600.00	-8.52	-1.02	-0.34	-0.48	0.93	-0.12
49	273	650.00	-7.88	-0.37	-0.85	0.12	0.50	-0.18
49	273	700.00	-6.39	-0.29	-1.00	0.39	0.0	-0.15
49	276	340.00	-10.43	-0.15	0.94	-0.19	-0.06	0.18
49	276	393.33	-10.43	-0.15	0.94	-0.27	0.44	0.20
49	276	446.67	-10.06	-0.23	0.77	-0.02	0.86	0.14

49	276	500.00	-9.87	-0.42	0.55	0.04	1.15	0.06
49	276	550.00	-9.99	-1.25	-0.12	-0.32	1.08	-0.05
49	276	600.00	-10.20	-1.25	-0.34	-0.58	0.91	-0.12
49	276	650.00	-9.50	-0.26	-0.84	0.23	0.50	-0.19
49	276	700.00	-7.74	-0.11	-0.99	0.61	0.0	-0.16
49	288	340.00	-15.79	0.76	-0.49	-0.31	0.03	-0.08
49	288	393.33	-15.79	0.76	-0.49	0.10	-0.23	-0.09
49	288	446.67	-14.85	0.64	-0.41	0.26	-0.45	-0.06
49	288	500.00	-14.14	0.39	-0.29	0.13	-0.61	-0.03
49	288	550.00	-13.72	-0.47	0.06	-0.42	-0.58	0.02
49	288	600.00	-13.17	-0.48	0.18	-0.72	-0.49	0.05
49	288	650.00	-11.60	0.46	0.45	0.09	-0.27	0.08
49	288	700.00	-9.02	0.53	0.53	0.41	0.0	0.07
49	305	340.00	-13.84	0.36	-0.01	-0.24	1.03e-03	4.02e-03
49	305	393.33	-13.84	0.36	-0.01	-0.05	-6.45e-03	4.95e-03
49	305	446.67	-13.05	0.25	-0.02	0.17	-0.02	3.96e-03
49	305	500.00	-12.46	-0.01	-0.01	0.12	-0.02	2.03e-03
49	305	550.00	-12.19	-1.09	-4.10e-03	-0.46	-0.02	-3.44e-04
49	305	600.00	-11.97	-1.10	5.28e-03	-0.88	-0.02	-2.91e-03
49	305	650.00	-10.65	0.06	0.02	-0.07	-0.01	-5.07e-03
49	305	700.00	-8.34	0.18	0.02	0.29	0.0	-4.53e-03
49	306	340.00	-11.51	0.14	0.18	-0.14	-9.50e-03	0.04
49	306	393.33	-11.51	0.14	0.18	-0.07	0.09	0.04
49	306	446.67	-10.94	0.07	0.15	0.08	0.17	0.03
49	306	500.00	-10.53	-0.07	0.10	0.02	0.22	0.01
49	306	550.00	-10.37	-0.61	-0.03	-0.35	0.21	-0.01
49	306	600.00	-10.10	-0.61	-0.06	-0.56	0.18	-0.02
49	306	650.00	-9.00	0.02	-0.16	0.04	0.10	-0.04
49	306	700.00	-7.07	0.06	-0.19	0.28	0.0	-0.03
49	307	340.00	-12.81	0.30	0.18	-0.26	-0.01	0.04
49	307	393.33	-12.81	0.30	0.18	-0.09	0.08	0.04
49	307	446.67	-12.16	0.21	0.14	0.10	0.16	0.03
49	307	500.00	-11.71	4.97e-03	0.10	0.06	0.21	0.01
49	307	550.00	-11.53	-0.77	-0.03	-0.38	0.20	-0.01
49	307	600.00	-11.31	-0.77	-0.06	-0.64	0.17	-0.03
49	307	650.00	-10.16	0.10	-0.15	0.12	0.09	-0.04
49	307	700.00	-8.04	0.19	-0.18	0.44	0.0	-0.03
49	309	340.00	-12.23	0.26	-9.65e-03	-0.16	2.43e-03	1.99e-03
49	309	393.33	-12.23	0.26	-9.65e-03	-0.02	-2.72e-03	2.64e-03
49	309	446.67	-11.58	0.19	-0.01	0.11	-8.75e-03	2.31e-03
49	309	500.00	-11.10	0.04	-6.63e-03	0.03	-0.01	1.10e-03
49	309	550.00	-10.87	-0.50	-1.81e-03	-0.37	-0.01	-3.75e-04
49	309	600.00	-10.50	-0.51	4.11e-03	-0.58	-0.01	-1.87e-03
49	309	650.00	-9.28	0.12	0.01	0.03	-5.75e-03	-3.02e-03
49	309	700.00	-7.24	0.14	0.01	0.25	0.0	-2.50e-03
49	310	340.00	-13.53	0.42	-0.01	-0.27	1.43e-03	3.96e-03
49	310	393.33	-13.53	0.42	-0.01	-0.05	-6.37e-03	4.88e-03
49	310	446.67	-12.80	0.33	-0.02	0.14	-0.02	3.90e-03
49	310	500.00	-12.27	0.11	-0.01	0.07	-0.02	1.97e-03
49	310	550.00	-12.03	-0.66	-3.91e-03	-0.40	-0.02	-4.09e-04
49	310	600.00	-11.71	-0.67	5.44e-03	-0.66	-0.02	-2.96e-03
49	310	650.00	-10.44	0.20	0.02	0.10	-0.01	-5.10e-03
49	310	700.00	-8.21	0.28	0.02	0.41	0.0	-4.53e-03

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-110.73	-69.11	-1.85	-15.65	-0.91	-0.28
	83.67	7.79	2.23	14.64	1.74	0.30

Macro	Tipo	Angolo 1-Z (gradi)
50	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
50	44	340.00	-6.95	-6.48	-0.02	0.61	0.0	-9.38e-03
50	44	393.33	-6.95	-6.48	-0.02	-2.84	-8.40e-03	-0.01
50	44	446.67	-5.03	-6.71	-1.25e-03	-3.29	-9.06e-03	-9.25e-03
50	44	500.00	-2.54	-6.23	0.02	-3.29	0.0	-4.36e-03
50	68	340.00	-5.67	-2.12	0.66	-0.33	0.0	-0.18
50	68	393.33	-5.67	-2.12	0.66	-1.45	0.35	-0.27
50	68	446.67	-4.08	-2.30	-0.07	-1.51	0.31	-0.19
50	68	500.00	-2.07	-2.15	-0.59	-1.32	0.0	-0.09
50	69	340.00	-2.79	-0.36	0.68	-0.04	0.0	-0.18

50	69	393.33	-2.79	-0.36	0.68	-0.23	0.36	-0.26
50	69	446.67	-1.99	-0.41	-0.07	-0.28	0.32	-0.18
50	69	500.00	-1.00	-0.39	-0.60	-0.26	0.0	-0.08
50	76	340.00	-7.28	-3.21	-0.22	-0.49	0.0	0.04
50	76	393.33	-7.28	-3.21	-0.22	-2.20	-0.12	0.06
50	76	446.67	-5.24	-3.48	0.02	-2.24	-0.11	0.04
50	76	500.00	-2.66	-3.23	0.20	-1.94	0.0	0.02
50	116	340.00	-7.86	-57.76	0.02	-0.81	-0.01	-0.03
50	116	393.33	-7.86	-57.76	0.02	-1.66	-0.02	-0.03
50	116	446.67	-6.78	-60.94	-8.18e-04	-7.22	-0.03	-0.03
50	116	500.00	-2.77	-56.17	0.02	-11.85	-0.01	-0.02
50	139	340.00	-0.31	-4.80	0.19	1.17	0.05	-0.08
50	139	393.33	-0.31	-4.80	0.19	0.33	0.04	-0.07
50	139	446.67	0.65	-4.90	-5.05e-03	-0.56	0.09	-0.06
50	139	500.00	2.18	-4.48	-0.17	-1.85	0.04	-0.04
50	141	340.00	1.03	22.95	0.17	1.30	0.05	-0.07
50	141	393.33	1.03	22.95	0.17	0.45	0.04	-0.07
50	141	446.67	2.06	24.35	-4.33e-03	2.48	0.09	-0.05
50	141	500.00	2.62	22.46	-0.16	3.44	0.05	-0.03
50	144	340.00	-10.01	-26.12	-0.19	-1.74	-0.05	0.06
50	144	393.33	-10.01	-26.12	-0.19	-2.58	-0.05	0.05
50	144	446.67	-8.50	-27.80	2.82e-03	-4.68	-0.10	0.04
50	144	500.00	-5.87	-25.67	0.18	-5.37	-0.05	0.02
50	148	340.00	-8.30	-64.75	0.02	-0.89	-0.01	-0.03
50	148	393.33	-8.30	-64.75	0.02	-1.74	-0.02	-0.04
50	148	446.67	-7.24	-68.31	-8.31e-04	-7.99	-0.04	-0.03
50	148	500.00	-2.93	-62.96	0.02	-13.21	-0.02	-0.02
50	171	340.00	0.25	-5.11	0.21	1.35	0.05	-0.08
50	171	393.33	0.25	-5.11	0.21	0.51	0.05	-0.08
50	171	446.67	1.17	-5.19	-5.60e-03	-0.47	0.10	-0.07
50	171	500.00	2.68	-4.74	-0.19	-1.93	0.05	-0.04
50	173	340.00	1.75	26.08	0.19	1.50	0.05	-0.08
50	173	393.33	1.75	26.08	0.19	0.65	0.05	-0.07
50	173	446.67	2.75	27.68	-4.80e-03	2.94	0.10	-0.06
50	173	500.00	3.17	25.54	-0.18	4.01	0.05	-0.03
50	176	340.00	-10.73	-29.25	-0.21	-1.94	-0.05	0.06
50	176	393.33	-10.73	-29.25	-0.21	-2.78	-0.06	0.06
50	176	446.67	-9.19	-31.13	3.30e-03	-5.15	-0.11	0.05
50	176	500.00	-6.42	-28.74	0.21	-5.93	-0.05	0.03
50	180	340.00	-8.34	-64.23	0.02	-0.92	-0.01	-0.03
50	180	393.33	-8.34	-64.23	0.02	-1.77	-0.02	-0.04
50	180	446.67	-7.29	-67.77	-8.53e-04	-7.95	-0.04	-0.03
50	180	500.00	-2.99	-62.46	0.02	-13.12	-0.02	-0.02
50	197	340.00	1.47	35.76	0.09	1.36	0.03	-0.04
50	197	393.33	1.47	35.76	0.09	0.51	0.02	-0.04
50	197	446.67	3.32	37.90	-2.04e-03	3.18	0.04	-0.03
50	197	500.00	1.44	35.01	-0.09	7.09	0.02	-0.01
50	203	340.00	0.40	-4.53	0.21	1.40	0.05	-0.08
50	203	393.33	0.40	-4.53	0.21	0.55	0.05	-0.08
50	203	446.67	1.29	-4.58	-5.61e-03	-0.35	0.10	-0.07
50	203	500.00	2.77	-4.18	-0.20	-1.79	0.05	-0.04
50	208	340.00	-10.86	-29.37	-0.22	-1.98	-0.06	0.06
50	208	393.33	-10.86	-29.37	-0.22	-2.83	-0.06	0.06
50	208	446.67	-9.30	-31.26	3.39e-03	-5.22	-0.11	0.05
50	208	500.00	-6.51	-28.86	0.21	-5.99	-0.05	0.03
50	212	340.00	-9.08	-75.02	0.02	-1.07	-0.02	-0.04
50	212	393.33	-9.08	-75.02	0.02	-1.91	-0.02	-0.04
50	212	446.67	-8.07	-79.15	-8.57e-04	-9.14	-0.04	-0.04
50	212	500.00	-3.28	-72.95	0.02	-15.23	-0.02	-0.03
50	229	340.00	2.66	42.80	0.11	1.68	0.03	-0.04
50	229	393.33	2.66	42.80	0.11	0.83	0.03	-0.04
50	229	446.67	4.62	45.37	-2.32e-03	4.01	0.05	-0.03
50	229	500.00	2.07	41.92	-0.11	8.63	0.03	-0.01
50	235	340.00	1.34	-4.72	0.25	1.70	0.06	-0.10
50	235	393.33	1.34	-4.72	0.25	0.86	0.06	-0.10
50	235	446.67	2.14	-4.73	-6.52e-03	-0.15	0.12	-0.08
50	235	500.00	3.59	-4.31	-0.23	-1.85	0.06	-0.05
50	240	340.00	-12.05	-34.26	-0.25	-2.32	-0.07	0.08
50	240	393.33	-12.05	-34.26	-0.25	-3.16	-0.07	0.07
50	240	446.67	-10.42	-36.47	4.19e-03	-5.98	-0.13	0.06
50	240	500.00	-7.43	-33.66	0.25	-6.90	-0.06	0.03
50	264	340.00	-5.02	-4.36	-0.01	0.40	0.0	-6.52e-03
50	264	393.33	-5.02	-4.36	-0.01	-1.92	-5.83e-03	-9.37e-03
50	264	446.67	-3.63	-4.53	-8.69e-04	-2.23	-6.29e-03	-6.43e-03
50	264	500.00	-1.83	-4.20	0.01	-2.22	0.0	-3.04e-03

50	273	340.00	-3.26	-0.65	0.45	-0.08	0.0	-0.12
50	273	393.33	-3.26	-0.65	0.45	-0.43	0.24	-0.17
50	273	446.67	-2.33	-0.72	-0.05	-0.48	0.21	-0.12
50	273	500.00	-1.17	-0.68	-0.40	-0.42	0.0	-0.06
50	276	340.00	-4.17	-1.46	0.44	-0.22	0.0	-0.12
50	276	393.33	-4.17	-1.46	0.44	-1.00	0.24	-0.18
50	276	446.67	-3.00	-1.59	-0.05	-1.04	0.21	-0.12
50	276	500.00	-1.52	-1.48	-0.39	-0.91	0.0	-0.06
50	280	340.00	-5.25	-2.19	-0.15	-0.33	0.0	0.03
50	280	393.33	-5.25	-2.19	-0.15	-1.49	-0.08	0.04
50	280	446.67	-3.78	-2.38	0.01	-1.52	-0.07	0.03
50	280	500.00	-1.91	-2.20	0.14	-1.32	0.0	0.01
50	298	340.00	-4.60	-1.69	-0.01	-0.24	0.0	-6.54e-03
50	298	393.33	-4.60	-1.69	-0.01	-1.13	-5.72e-03	-9.43e-03
50	298	446.67	-3.30	-1.84	-8.05e-04	-1.17	-6.14e-03	-6.52e-03
50	298	500.00	-1.67	-1.70	0.01	-1.02	0.0	-3.15e-03
50	305	340.00	-4.54	-2.10	-9.98e-03	-0.09	0.0	-6.06e-03
50	305	393.33	-4.54	-2.10	-9.98e-03	-1.21	-5.32e-03	-8.74e-03
50	305	446.67	-3.26	-2.24	-7.58e-04	-1.30	-5.72e-03	-6.03e-03
50	305	500.00	-1.65	-2.08	0.01	-1.19	0.0	-2.90e-03
50	306	340.00	-3.72	-0.92	0.08	-0.12	0.0	-0.03
50	306	393.33	-3.72	-0.92	0.08	-0.61	0.05	-0.04
50	306	446.67	-2.66	-1.01	-0.01	-0.65	0.04	-0.03
50	306	500.00	-1.34	-0.94	-0.07	-0.57	0.0	-0.01
50	307	340.00	-4.37	-1.52	0.08	-0.21	0.0	-0.03
50	307	393.33	-4.37	-1.52	0.08	-1.02	0.04	-0.04
50	307	446.67	-3.14	-1.66	-0.01	-1.06	0.04	-0.03
50	307	500.00	-1.58	-1.54	-0.07	-0.93	0.0	-0.01
50	309	340.00	-3.83	-0.98	-6.00e-03	-0.13	0.0	-3.69e-03
50	309	393.33	-3.83	-0.98	-6.00e-03	-0.65	-3.20e-03	-5.32e-03
50	309	446.67	-2.74	-1.08	-4.37e-04	-0.69	-3.43e-03	-3.69e-03
50	309	500.00	-1.38	-1.00	6.43e-03	-0.60	0.0	-1.80e-03
50	310	340.00	-4.49	-1.58	-0.01	-0.22	0.0	-6.13e-03
50	310	393.33	-4.49	-1.58	-0.01	-1.07	-5.36e-03	-8.85e-03
50	310	446.67	-3.22	-1.73	-7.52e-04	-1.10	-5.76e-03	-6.12e-03
50	310	500.00	-1.62	-1.60	0.01	-0.96	0.0	-2.95e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-12.05	-79.15	-0.60	-15.23	-0.13	-0.27
	4.62	45.37	0.68	8.63	0.36	0.08

Macro	Tipo	Angolo 1-Z (gradi)
51	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
51	28	600.00	-1.75	-3.66	1.12e-03	1.78	0.0	1.49e-03
51	28	650.00	-1.75	-3.66	1.12e-03	-0.05	5.59e-04	2.57e-03
51	28	700.00	-2.40	-4.12	-1.24e-03	0.15	6.32e-05	1.80e-03
51	44	600.00	-1.74	-4.75	9.31e-04	2.31	0.0	1.39e-03
51	44	650.00	-1.74	-4.75	9.31e-04	-0.06	4.65e-04	2.38e-03
51	44	700.00	-2.38	-5.32	-9.75e-04	0.22	5.02e-05	1.64e-03
51	69	600.00	-0.74	-0.81	0.45	0.30	0.0	-0.02
51	69	650.00	-0.74	-0.81	0.45	-0.10	0.22	-0.03
51	69	700.00	-1.16	-0.99	-0.40	-0.02	0.01	-0.01
51	113	600.00	-2.05	51.37	0.01	-11.38	0.01	0.02
51	113	650.00	-2.05	51.37	0.01	-11.86	0.01	0.02
51	113	700.00	-0.17	56.70	-0.02	-3.44	0.01	0.01
51	116	600.00	-0.20	-53.27	-0.01	12.30	-0.01	-0.02
51	116	650.00	-0.20	-53.27	-0.01	11.83	-0.01	-0.01
51	116	700.00	-3.01	-58.93	0.02	3.47	-0.01	-0.01
51	138	600.00	-4.69	4.73	-0.16	-1.66	-0.04	7.58e-03
51	138	650.00	-4.69	4.73	-0.16	-2.14	-0.04	7.69e-03
51	138	700.00	-3.14	5.14	0.12	-0.38	-0.02	0.01
51	139	600.00	2.44	-6.63	0.16	2.58	0.04	-6.25e-03
51	139	650.00	2.44	-6.63	0.16	2.11	0.04	-5.38e-03
51	139	700.00	-0.04	-7.36	-0.12	0.42	0.02	-0.01
51	145	600.00	-2.16	57.86	0.02	-12.85	0.01	0.02
51	145	650.00	-2.16	57.86	0.02	-13.33	0.01	0.02
51	145	700.00	0.01	63.88	-0.02	-3.87	0.02	0.02
51	148	600.00	-0.09	-59.77	-0.02	13.77	-0.01	-0.02
51	148	650.00	-0.09	-59.77	-0.02	13.30	-0.01	-0.02

51	148	700.00	-3.19	-66.10	0.02	3.90	-0.02	-0.01
51	170	600.00	-5.16	5.38	-0.18	-1.91	-0.04	8.37e-03
51	170	650.00	-5.16	5.38	-0.18	-2.38	-0.04	8.45e-03
51	170	700.00	-3.35	5.85	0.14	-0.43	-0.02	0.01
51	171	600.00	2.90	-7.28	0.18	2.83	0.04	-7.04e-03
51	171	650.00	2.90	-7.28	0.18	2.35	0.04	-6.15e-03
51	171	700.00	0.17	-8.08	-0.14	0.47	0.02	-0.01
51	177	600.00	-2.10	57.29	0.02	-12.74	0.01	0.02
51	177	650.00	-2.10	57.29	0.02	-13.21	0.01	0.02
51	177	700.00	0.04	63.25	-0.02	-3.83	0.01	0.02
51	180	600.00	-0.16	-59.19	-0.02	13.66	-0.01	-0.02
51	180	650.00	-0.16	-59.19	-0.02	13.19	-0.01	-0.02
51	180	700.00	-3.22	-65.47	0.02	3.87	-0.01	-0.01
51	202	600.00	-5.21	5.02	-0.18	-1.78	-0.04	7.88e-03
51	202	650.00	-5.21	5.02	-0.18	-2.25	-0.04	8.03e-03
51	202	700.00	-3.38	5.46	0.14	-0.37	-0.02	0.01
51	203	600.00	2.95	-6.92	0.18	2.70	0.04	-6.54e-03
51	203	650.00	2.95	-6.92	0.18	2.22	0.04	-5.72e-03
51	203	700.00	0.20	-7.68	-0.14	0.41	0.02	-0.01
51	209	600.00	-2.23	67.26	0.02	-15.01	0.01	0.02
51	209	650.00	-2.23	67.26	0.02	-15.48	0.01	0.02
51	209	700.00	0.35	74.27	-0.02	-4.49	0.02	0.02
51	212	600.00	-0.02	-69.16	-0.02	15.93	-0.01	-0.02
51	212	650.00	-0.02	-69.16	-0.02	15.46	-0.01	-0.02
51	212	700.00	-3.53	-76.49	0.02	4.53	-0.02	-0.02
51	234	600.00	-5.96	5.85	-0.22	-2.10	-0.05	9.00e-03
51	234	650.00	-5.96	5.85	-0.22	-2.57	-0.05	9.12e-03
51	234	700.00	-3.72	6.37	0.17	-0.41	-0.03	0.02
51	235	600.00	3.70	-7.76	0.22	3.02	0.05	-7.67e-03
51	235	650.00	3.70	-7.76	0.22	2.54	0.05	-6.81e-03
51	235	700.00	0.54	-8.60	-0.17	0.45	0.03	-0.01
51	256	600.00	-1.28	-2.51	7.66e-04	1.21	0.0	1.03e-03
51	256	650.00	-1.28	-2.51	7.66e-04	-0.04	3.83e-04	1.77e-03
51	256	700.00	-1.76	-2.83	-8.52e-04	0.10	4.35e-05	1.23e-03
51	264	600.00	-1.27	-3.24	6.41e-04	1.57	0.0	9.58e-04
51	264	650.00	-1.27	-3.24	6.41e-04	-0.05	3.21e-04	1.64e-03
51	264	700.00	-1.75	-3.63	-6.78e-04	0.15	3.49e-05	1.13e-03
51	273	600.00	-0.87	-0.78	0.30	0.32	0.0	-0.01
51	273	650.00	-0.87	-0.78	0.30	-0.07	0.15	-0.02
51	273	700.00	-1.30	-0.94	-0.26	-4.18e-03	7.17e-03	-8.03e-03
51	305	600.00	-1.15	-1.39	5.34e-04	0.67	0.0	7.10e-04
51	305	650.00	-1.15	-1.39	5.34e-04	-0.02	2.67e-04	1.23e-03
51	305	700.00	-1.61	-1.59	-5.94e-04	0.05	3.04e-05	8.60e-04
51	306	600.00	-0.99	-0.69	0.06	0.32	0.0	-2.07e-03
51	306	650.00	-0.99	-0.69	0.06	-0.02	0.03	-2.85e-03
51	306	700.00	-1.44	-0.82	-0.05	9.51e-03	1.44e-03	-1.27e-03
51	309	600.00	-1.03	-0.66	2.34e-04	0.32	0.0	3.53e-04
51	309	650.00	-1.03	-0.66	2.34e-04	-9.33e-03	1.17e-04	6.06e-04
51	309	700.00	-1.48	-0.79	-2.72e-04	0.01	1.39e-05	4.22e-04
51	310	600.00	-1.13	-0.95	5.24e-04	0.46	0.0	6.66e-04
51	310	650.00	-1.13	-0.95	5.24e-04	-0.01	2.62e-04	1.15e-03
51	310	700.00	-1.59	-1.11	-5.99e-04	0.02	3.05e-05	8.14e-04

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-5.96	-76.49	-0.40	-15.48	-0.05	-0.03
	3.70	74.27	0.45	15.93	0.22	0.02

Macro	Tipo	Angolo 1-Z (gradi)
52	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
52	44	600.00	-1.93	-6.79	-8.35e-03	2.70	0.0	9.07e-03
52	44	650.00	-1.93	-6.79	-8.35e-03	-0.69	-4.18e-03	0.02
52	44	700.00	-2.60	-7.94	9.74e-03	0.04	-4.94e-04	0.01
52	68	600.00	-1.72	-2.55	0.31	0.80	0.0	0.15
52	68	650.00	-1.72	-2.55	0.31	-0.47	0.15	0.26
52	68	700.00	-2.39	-3.08	-0.24	-0.14	2.67e-03	0.18
52	69	600.00	-0.89	-0.50	0.32	0.15	0.0	0.15
52	69	650.00	-0.89	-0.50	0.32	-0.10	0.16	0.25
52	69	700.00	-1.35	-0.59	-0.24	-0.05	3.00e-03	0.17
52	76	600.00	-2.10	-3.78	-0.11	1.23	0.0	-0.03

52	76	650.00	-2.10	-3.78	-0.11	-0.66	-0.05	-0.06
52	76	700.00	-2.82	-4.56	0.09	-0.16	-1.55e-03	-0.04
52	116	600.00	-3.96	-57.31	-0.02	12.05	4.14e-03	-0.03
52	116	650.00	-3.96	-57.31	-0.02	11.11	1.50e-03	-0.02
52	116	700.00	-1.38	-64.35	0.04	3.31	3.46e-03	-0.03
52	133	600.00	3.68	31.24	0.05	-3.79	0.01	0.05
52	133	650.00	3.68	31.24	0.05	-4.73	0.01	0.06
52	133	700.00	-0.34	35.17	-0.04	-1.28	8.96e-03	0.06
52	136	600.00	-6.29	-35.01	-0.06	5.03	-0.01	-0.04
52	136	650.00	-6.29	-35.01	-0.06	4.09	-0.02	-0.04
52	136	700.00	-3.30	-39.68	0.06	1.13	-9.58e-03	-0.05
52	137	600.00	2.04	25.49	0.11	-3.89	0.03	0.08
52	137	650.00	2.04	25.49	0.11	-4.83	0.02	0.09
52	137	700.00	-0.76	28.70	-0.10	-1.26	0.02	0.10
52	148	600.00	-4.30	-64.21	-0.03	13.47	4.61e-03	-0.03
52	148	650.00	-4.30	-64.21	-0.03	12.53	1.96e-03	-0.03
52	148	700.00	-1.33	-72.08	0.04	3.73	3.89e-03	-0.04
52	165	600.00	4.33	35.52	0.06	-4.36	0.02	0.06
52	165	650.00	4.33	35.52	0.06	-5.30	0.01	0.07
52	165	700.00	-0.14	40.01	-0.05	-1.43	0.01	0.07
52	168	600.00	-6.95	-39.29	-0.07	5.60	-0.02	-0.05
52	168	650.00	-6.95	-39.29	-0.07	4.65	-0.02	-0.05
52	168	700.00	-3.49	-44.53	0.06	1.28	-0.01	-0.06
52	169	600.00	2.47	28.97	0.13	-4.47	0.03	0.09
52	169	650.00	2.47	28.97	0.13	-5.41	0.03	0.10
52	169	700.00	-0.63	32.65	-0.11	-1.41	0.02	0.11
52	180	600.00	-4.35	-63.73	-0.03	13.33	4.24e-03	-0.03
52	180	650.00	-4.35	-63.73	-0.03	12.39	1.60e-03	-0.03
52	180	700.00	-1.37	-71.55	0.04	3.69	3.61e-03	-0.04
52	197	600.00	4.47	36.13	0.06	-4.41	0.02	0.06
52	197	650.00	4.47	36.13	0.06	-5.35	0.01	0.07
52	197	700.00	-0.11	40.71	-0.05	-1.46	0.01	0.07
52	200	600.00	-7.09	-39.90	-0.07	5.65	-0.02	-0.05
52	200	650.00	-7.09	-39.90	-0.07	4.71	-0.02	-0.05
52	200	700.00	-3.52	-45.23	0.06	1.31	-0.01	-0.06
52	201	600.00	2.51	29.14	0.13	-4.51	0.03	0.09
52	201	650.00	2.51	29.14	0.13	-5.45	0.03	0.10
52	201	700.00	-0.61	32.85	-0.11	-1.42	0.02	0.11
52	212	600.00	-4.92	-74.40	-0.03	15.49	4.76e-03	-0.04
52	212	650.00	-4.92	-74.40	-0.03	14.55	2.11e-03	-0.04
52	212	700.00	-1.31	-83.51	0.05	4.33	4.13e-03	-0.04
52	229	600.00	5.62	43.32	0.07	-5.33	0.02	0.07
52	229	650.00	5.62	43.32	0.07	-6.27	0.02	0.08
52	229	700.00	0.23	48.85	-0.06	-1.72	0.01	0.08
52	232	600.00	-8.24	-47.09	-0.08	6.57	-0.02	-0.06
52	232	650.00	-8.24	-47.09	-0.08	5.63	-0.02	-0.06
52	232	700.00	-3.86	-53.37	0.07	1.56	-0.01	-0.07
52	233	600.00	3.21	34.69	0.16	-5.43	0.04	0.11
52	233	650.00	3.21	34.69	0.16	-6.37	0.03	0.12
52	233	700.00	-0.38	39.15	-0.14	-1.67	0.02	0.13
52	264	600.00	-1.40	-4.59	-5.81e-03	1.82	0.0	6.29e-03
52	264	650.00	-1.40	-4.59	-5.81e-03	-0.47	-2.90e-03	0.01
52	264	700.00	-1.91	-5.36	6.77e-03	0.03	-3.43e-04	7.46e-03
52	273	600.00	-1.01	-0.83	0.21	0.26	0.0	0.10
52	273	650.00	-1.01	-0.83	0.21	-0.16	0.10	0.17
52	273	700.00	-1.48	-0.99	-0.16	-0.05	1.93e-03	0.12
52	276	600.00	-1.26	-1.76	0.21	0.56	0.0	0.10
52	276	650.00	-1.26	-1.76	0.21	-0.32	0.10	0.18
52	276	700.00	-1.77	-2.12	-0.16	-0.10	1.76e-03	0.12
52	280	600.00	-1.52	-2.58	-0.07	0.84	0.0	-0.02
52	280	650.00	-1.52	-2.58	-0.07	-0.45	-0.04	-0.04
52	280	700.00	-2.06	-3.11	0.06	-0.11	-1.05e-03	-0.02
52	298	600.00	-1.34	-2.00	-5.64e-03	0.66	0.0	5.90e-03
52	298	650.00	-1.34	-2.00	-5.64e-03	-0.34	-2.82e-03	0.01
52	298	700.00	-1.85	-2.40	6.56e-03	-0.08	-3.33e-04	7.05e-03
52	305	600.00	-1.31	-2.38	-5.27e-03	0.85	0.0	5.55e-03
52	305	650.00	-1.31	-2.38	-5.27e-03	-0.34	-2.63e-03	9.53e-03
52	305	700.00	-1.81	-2.82	6.13e-03	-0.05	-3.11e-04	6.62e-03
52	306	600.00	-1.11	-1.13	0.04	0.36	0.0	0.02
52	306	650.00	-1.11	-1.13	0.04	-0.20	0.02	0.04
52	306	700.00	-1.59	-1.35	-0.03	-0.05	2.34e-04	0.03
52	307	600.00	-1.28	-1.81	0.04	0.59	0.0	0.02
52	307	650.00	-1.28	-1.81	0.04	-0.31	0.02	0.04
52	307	700.00	-1.79	-2.17	-0.03	-0.08	1.11e-04	0.03
52	309	600.00	-1.14	-1.20	-3.18e-03	0.39	0.0	3.24e-03

52	309	650.00	-1.14	-1.20	-3.18e-03	-0.21	-1.59e-03	5.59e-03
52	309	700.00	-1.62	-1.43	3.71e-03	-0.05	-1.88e-04	3.90e-03
52	310	600.00	-1.31	-1.88	-5.29e-03	0.62	0.0	5.52e-03
52	310	650.00	-1.31	-1.88	-5.29e-03	-0.32	-2.64e-03	9.50e-03
52	310	700.00	-1.82	-2.26	6.15e-03	-0.08	-3.12e-04	6.60e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-8.24	-83.51	-0.24	-6.37	-0.05	-0.07
			5.62	48.85	0.32	15.49	0.16	0.26

Macro	Tipo	Angolo 1-Z (gradi)
53	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
53	44	340.00	-5.80	-5.31	-6.10e-05	1.56	0.0	-3.15e-04
53	44	393.33	-5.80	-5.31	-6.10e-05	-1.26	-3.25e-05	-3.99e-04
53	44	446.67	-4.18	-5.24	1.56e-04	-1.79	5.09e-05	-1.73e-04
53	44	500.00	-2.13	-4.94	-9.55e-05	-2.33	0.0	5.30e-05
53	69	340.00	-2.32	-0.87	0.95	-0.06	0.0	0.01
53	69	393.33	-2.32	-0.87	0.95	-0.52	0.51	0.02
53	69	446.67	-1.67	-0.87	-0.06	-0.47	0.47	0.02
53	69	500.00	-0.83	-0.81	-0.89	-0.46	0.0	0.01
53	76	340.00	-6.01	-1.80	-0.29	0.54	0.0	-4.53e-03
53	76	393.33	-6.01	-1.80	-0.29	-0.42	-0.15	-7.57e-03
53	76	446.67	-4.34	-1.80	0.02	-0.56	-0.14	-7.41e-03
53	76	500.00	-2.20	-1.77	0.27	-0.86	0.0	-4.09e-03
53	116	340.00	-5.40	-57.40	-0.05	1.78	-0.01	-0.02
53	116	393.33	-5.40	-57.40	-0.05	1.21	-0.01	-0.02
53	116	446.67	-3.74	-58.77	4.69e-03	-5.38	-0.03	-0.02
53	116	500.00	-3.71	-53.75	0.04	-9.86	-0.01	-0.02
53	132	340.00	-7.10	-34.01	-0.13	1.24	-0.03	-0.03
53	132	393.33	-7.10	-34.01	-0.13	0.68	-0.03	-0.03
53	132	446.67	-5.94	-34.97	-7.23e-03	-2.61	-0.07	-0.03
53	132	500.00	-5.50	-32.20	0.13	-4.84	-0.03	-0.02
53	133	340.00	-0.61	29.16	0.13	-0.53	0.03	0.02
53	133	393.33	-0.61	29.16	0.13	-1.10	0.03	0.02
53	133	446.67	0.74	30.06	0.01	1.53	0.07	0.02
53	133	500.00	2.93	27.62	-0.13	3.26	0.03	0.01
53	144	340.00	-8.49	-22.68	-0.28	1.54	-0.07	-0.02
53	144	393.33	-8.49	-22.68	-0.28	0.97	-0.07	-0.02
53	144	446.67	-7.36	-21.32	-9.98e-03	-1.17	-0.15	-0.02
53	144	500.00	-5.51	-19.58	0.28	-3.11	-0.07	-0.02
53	148	340.00	-5.59	-64.39	-0.06	1.96	-0.02	-0.02
53	148	393.33	-5.59	-64.39	-0.06	1.39	-0.02	-0.02
53	148	446.67	-3.87	-65.93	5.19e-03	-6.01	-0.03	-0.02
53	148	500.00	-4.01	-60.30	0.05	-11.02	-0.01	-0.03
53	164	340.00	-7.52	-38.23	-0.15	1.36	-0.04	-0.03
53	164	393.33	-7.52	-38.23	-0.15	0.80	-0.04	-0.03
53	164	446.67	-6.35	-39.30	-8.20e-03	-2.90	-0.08	-0.03
53	164	500.00	-6.03	-36.19	0.15	-5.40	-0.04	-0.02
53	165	340.00	-0.19	33.05	0.15	-0.64	0.04	0.03
53	165	393.33	-0.19	33.05	0.15	-1.20	0.04	0.03
53	165	446.67	1.19	34.06	0.01	1.78	0.08	0.02
53	165	500.00	3.49	31.30	-0.15	3.75	0.04	0.02
53	176	340.00	-9.09	-25.41	-0.31	1.70	-0.08	-0.02
53	176	393.33	-9.09	-25.41	-0.31	1.13	-0.08	-0.02
53	176	446.67	-7.96	-23.88	-0.01	-1.28	-0.17	-0.02
53	176	500.00	-6.04	-21.93	0.32	-3.45	-0.08	-0.02
53	180	340.00	-5.60	-63.77	-0.06	1.88	-0.02	-0.02
53	180	393.33	-5.60	-63.77	-0.06	1.32	-0.02	-0.02
53	180	446.67	-3.92	-65.30	4.72e-03	-5.94	-0.03	-0.02
53	180	500.00	-4.04	-59.73	0.05	-10.91	-0.01	-0.03
53	196	340.00	-7.62	-38.60	-0.15	1.36	-0.04	-0.03
53	196	393.33	-7.62	-38.60	-0.15	0.79	-0.04	-0.03
53	196	446.67	-6.43	-39.70	-8.43e-03	-2.97	-0.08	-0.03
53	196	500.00	-6.10	-36.56	0.14	-5.50	-0.04	-0.02
53	197	340.00	-0.09	33.44	0.15	-0.63	0.04	0.03
53	197	393.33	-0.09	33.44	0.15	-1.20	0.04	0.03
53	197	446.67	1.25	34.47	0.01	1.86	0.07	0.02
53	197	500.00	3.56	31.69	-0.14	3.86	0.04	0.02
53	208	340.00	-9.21	-25.32	-0.31	1.71	-0.08	-0.02

53	208	393.33	-9.21	-25.32	-0.31	1.14	-0.08	-0.02
53	208	446.67	-8.05	-23.78	-0.01	-1.27	-0.17	-0.02
53	208	500.00	-6.11	-21.87	0.32	-3.46	-0.09	-0.02
53	212	340.00	-5.93	-74.50	-0.07	2.15	-0.02	-0.02
53	212	393.33	-5.93	-74.50	-0.07	1.58	-0.02	-0.02
53	212	446.67	-4.16	-76.29	5.27e-03	-6.90	-0.04	-0.03
53	212	500.00	-4.54	-69.78	0.05	-12.69	-0.02	-0.03
53	228	340.00	-8.37	-45.61	-0.17	1.56	-0.05	-0.04
53	228	393.33	-8.37	-45.61	-0.17	0.99	-0.05	-0.04
53	228	446.67	-7.15	-46.92	-0.01	-3.48	-0.09	-0.04
53	228	500.00	-7.02	-43.21	0.17	-6.45	-0.05	-0.03
53	229	340.00	0.67	39.86	0.17	-0.80	0.04	0.03
53	229	393.33	0.67	39.86	0.17	-1.37	0.04	0.03
53	229	446.67	2.04	41.09	0.02	2.29	0.09	0.03
53	229	500.00	4.51	37.80	-0.17	4.69	0.05	0.02
53	240	340.00	-10.22	-29.49	-0.37	1.97	-0.10	-0.03
53	240	393.33	-10.22	-29.49	-0.37	1.40	-0.10	-0.03
53	240	446.67	-9.03	-27.68	-0.01	-1.42	-0.20	-0.03
53	240	500.00	-6.97	-25.45	0.38	-3.98	-0.10	-0.02
53	264	340.00	-4.23	-3.62	-5.29e-05	1.05	0.0	-2.25e-04
53	264	393.33	-4.23	-3.62	-5.29e-05	-0.88	-2.82e-05	-2.87e-04
53	264	446.67	-3.05	-3.58	1.13e-04	-1.22	3.23e-05	-1.31e-04
53	264	500.00	-1.55	-3.37	-6.05e-05	-1.59	0.0	2.82e-05
53	273	340.00	-2.81	-0.86	0.64	0.05	0.0	8.12e-03
53	273	393.33	-2.81	-0.86	0.64	-0.41	0.34	0.01
53	273	446.67	-2.02	-0.86	-0.04	-0.39	0.32	0.01
53	273	500.00	-1.01	-0.81	-0.59	-0.43	0.0	8.30e-03
53	280	340.00	-4.37	-1.28	-0.19	0.37	0.0	-3.04e-03
53	280	393.33	-4.37	-1.28	-0.19	-0.31	-0.10	-5.07e-03
53	280	446.67	-3.16	-1.28	0.01	-0.41	-0.09	-4.96e-03
53	280	500.00	-1.60	-1.26	0.18	-0.61	0.0	-2.73e-03
53	298	340.00	-3.92	-1.11	-6.04e-05	0.29	0.0	-4.22e-04
53	298	393.33	-3.92	-1.11	-6.04e-05	-0.31	-3.22e-05	-6.07e-04
53	298	446.67	-2.83	-1.11	1.47e-04	-0.37	4.64e-05	-4.12e-04
53	298	500.00	-1.43	-1.08	-8.69e-05	-0.53	0.0	-1.73e-04
53	305	340.00	-3.91	-1.56	-7.09e-05	0.43	0.0	-3.56e-04
53	305	393.33	-3.91	-1.56	-7.09e-05	-0.40	-3.78e-05	-5.06e-04
53	305	446.67	-2.82	-1.55	1.40e-04	-0.51	3.69e-05	-3.35e-04
53	305	500.00	-1.42	-1.48	-6.92e-05	-0.71	0.0	-1.27e-04
53	306	340.00	-3.36	-0.79	0.13	0.18	0.0	1.40e-03
53	306	393.33	-3.36	-0.79	0.13	-0.24	0.07	2.47e-03
53	306	446.67	-2.42	-0.78	-8.32e-03	-0.26	0.06	2.68e-03
53	306	500.00	-1.22	-0.76	-0.12	-0.36	0.0	1.54e-03
53	309	340.00	-3.49	-0.77	-9.19e-05	0.21	0.0	-2.80e-04
53	309	393.33	-3.49	-0.77	-9.19e-05	-0.20	-4.90e-05	-4.17e-04
53	309	446.67	-2.52	-0.77	1.38e-04	-0.23	2.46e-05	-3.06e-04
53	309	500.00	-1.27	-0.74	-4.60e-05	-0.35	0.0	-1.48e-04
53	310	340.00	-3.86	-1.06	-6.49e-05	0.28	0.0	-4.02e-04
53	310	393.33	-3.86	-1.06	-6.49e-05	-0.29	-3.46e-05	-5.80e-04
53	310	446.67	-2.79	-1.06	1.46e-04	-0.35	4.32e-05	-3.97e-04
53	310	500.00	-1.40	-1.03	-8.11e-05	-0.50	0.0	-1.70e-04

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-10.22	-76.29	-0.89	-12.69	-0.20	-0.04
			4.51	41.09	0.95	4.69	0.51	0.03

Macro	Tipo	Angolo 1-Z (gradi)
54	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
54	28	340.00	-220.30	1.66	0.25	54.51	0.0	-0.02
54	28	393.33	-220.30	1.66	0.25	53.62	0.13	-0.02
54	28	446.67	-220.48	1.62	0.17	41.84	0.22	-0.01
54	28	500.00	-222.54	1.57	0.09	23.90	0.27	-0.01
54	28	550.00	-224.24	1.53	-0.02	4.88	0.26	-0.01
54	28	600.00	-225.22	1.47	0.03	-13.82	0.27	-2.44e-03
54	28	650.00	-226.12	1.34	0.32	-32.15	0.43	0.01
54	28	700.00	-175.96	-10.23	-0.83	66.38	0.03	0.09
54	52	340.00	-212.55	-11.14	0.23	26.80	-1.06e-06	-0.03
54	52	393.33	-212.55	-11.14	0.23	32.73	0.12	-0.03
54	52	446.67	-213.28	-11.11	0.14	23.96	0.20	-0.02

54	52	500.00	-215.99	-11.07	0.09	8.83	0.24	-0.01
54	52	550.00	-218.50	-11.05	0.04	-7.20	0.26	-9.69e-03
54	52	600.00	-220.39	-11.02	0.09	-22.45	0.31	1.50e-03
54	52	650.00	-222.14	-11.04	0.33	-37.89	0.47	0.01
54	52	700.00	-171.78	-20.59	-0.91	62.35	0.03	0.09
54	67	340.00	-178.85	-18.57	0.19	16.66	-1.10e-06	-0.03
54	67	393.33	-178.85	-18.57	0.19	26.55	0.10	-0.02
54	67	446.67	-179.00	-18.49	0.12	21.24	0.16	-0.02
54	67	500.00	-180.85	-18.39	0.08	10.47	0.21	-0.01
54	67	550.00	-182.56	-18.31	0.03	-1.30	0.22	-7.50e-03
54	67	600.00	-183.78	-18.22	0.07	-12.34	0.26	1.79e-03
54	67	650.00	-184.93	-18.14	0.28	-23.68	0.40	0.01
54	67	700.00	-142.99	-24.35	-0.77	56.02	0.03	0.07
54	69	340.00	-92.17	-18.34	0.08	-4.43	0.0	-0.01
54	69	393.33	-92.17	-18.34	0.08	5.35	0.04	-9.50e-03
54	69	446.67	-91.04	-18.25	0.05	5.31	0.07	-5.55e-03
54	69	500.00	-90.73	-18.12	0.03	2.62	0.08	-3.39e-03
54	69	550.00	-90.41	-18.01	6.52e-03	-0.78	0.09	-2.17e-03
54	69	600.00	-89.94	-17.89	0.02	-3.82	0.10	1.44e-03
54	69	650.00	-89.50	-17.75	0.11	-7.15	0.16	4.77e-03
54	69	700.00	-70.33	-17.36	-0.30	22.56	0.01	0.03
54	116	340.00	-247.35	-53.08	-0.92	93.18	-0.30	0.05
54	116	393.33	-247.35	-53.08	-0.92	93.03	-0.24	0.05
54	116	446.67	-235.09	-53.51	-0.45	89.49	-0.61	0.02
54	116	500.00	-223.18	-48.71	-0.40	80.86	-0.93	-0.06
54	116	550.00	-208.44	-44.18	-1.94	61.33	-1.47	-0.20
54	116	600.00	-190.36	-44.71	-1.16	33.43	-2.23	-0.17
54	116	650.00	-163.93	-43.17	1.63	48.55	-2.05	-0.02
54	116	700.00	-147.10	-54.26	2.86	92.03	-0.77	0.02
54	117	340.00	-6.75	33.37	1.20	-45.51	0.30	-0.09
54	117	393.33	-6.75	33.37	1.20	-45.66	0.37	-0.08
54	117	446.67	-18.09	33.70	0.59	-51.76	0.81	-0.05
54	117	500.00	-31.14	28.94	0.50	-59.43	1.14	0.04
54	117	550.00	-47.48	24.51	1.89	-57.44	1.69	0.18
54	117	600.00	-65.09	25.15	1.19	-45.99	2.49	0.16
54	117	650.00	-92.72	23.71	-1.24	-80.88	2.53	0.03
54	117	700.00	-50.76	26.29	-3.81	-14.03	0.80	0.07
54	120	340.00	-247.38	-32.86	-0.96	117.09	-0.30	0.06
54	120	393.33	-247.38	-32.86	-0.96	116.95	-0.24	0.06
54	120	446.67	-235.27	-33.22	-0.44	109.57	-0.60	0.03
54	120	500.00	-223.65	-28.52	-0.41	97.11	-0.89	-0.05
54	120	550.00	-208.60	-24.13	-1.86	74.42	-1.42	-0.19
54	120	600.00	-191.66	-24.83	-1.10	43.05	-2.17	-0.16
54	120	650.00	-164.51	-23.52	1.60	57.96	-2.03	-0.01
54	120	700.00	-150.40	-37.39	2.85	93.08	-0.77	0.02
54	138	340.00	-145.19	198.13	0.26	334.62	0.05	-0.02
54	138	393.33	-145.19	198.13	0.26	334.48	0.11	-0.02
54	138	446.67	-145.26	199.14	0.36	286.96	0.34	-0.03
54	138	500.00	-146.55	197.29	0.22	235.07	0.59	-0.02
54	138	550.00	-148.55	195.12	0.20	184.17	0.74	-0.02
54	138	600.00	-152.64	194.30	0.08	135.97	0.75	-0.02
54	138	650.00	-153.62	192.23	-0.32	81.08	0.64	-0.03
54	138	700.00	-143.44	161.85	-1.07	79.51	0.16	-0.01
54	145	340.00	8.29	59.76	1.29	-29.73	0.34	-0.09
54	145	393.33	8.29	59.76	1.29	-29.88	0.41	-0.08
54	145	446.67	-4.69	60.19	0.66	-40.09	0.91	-0.05
54	145	500.00	-19.61	54.76	0.55	-51.65	1.31	0.06
54	145	550.00	-37.55	49.63	2.22	-51.56	1.94	0.22
54	145	600.00	-58.60	50.17	1.41	-41.21	2.84	0.19
54	145	650.00	-88.77	48.31	-1.45	-79.19	2.83	0.04
54	145	700.00	-48.14	48.81	-4.24	-19.74	0.90	0.08
54	148	340.00	-262.41	-59.25	-1.05	101.31	-0.34	0.06
54	148	393.33	-262.41	-59.25	-1.05	101.17	-0.28	0.06
54	148	446.67	-248.67	-59.71	-0.51	97.90	-0.70	0.03
54	148	500.00	-235.18	-54.33	-0.46	89.33	-1.05	-0.07
54	148	550.00	-218.53	-49.26	-2.19	68.53	-1.67	-0.23
54	148	600.00	-198.15	-49.85	-1.31	38.28	-2.52	-0.19
54	148	650.00	-168.46	-48.12	1.81	56.26	-2.33	-0.03
54	148	700.00	-153.01	-59.91	3.27	98.79	-0.87	0.01
54	170	340.00	-147.89	223.80	0.28	373.70	0.05	-0.02
54	170	393.33	-147.89	223.80	0.28	373.56	0.12	-0.02
54	170	446.67	-147.98	224.93	0.39	320.75	0.37	-0.03
54	170	500.00	-149.31	222.86	0.24	263.40	0.64	-0.02
54	170	550.00	-151.44	220.43	0.23	207.20	0.81	-0.02
54	170	600.00	-155.96	219.50	0.08	153.94	0.82	-0.02

54	170	650.00	-156.99	217.18	-0.39	93.34	0.69	-0.03
54	170	700.00	-149.16	183.55	-1.14	84.82	0.18	-0.02
54	177	340.00	7.63	56.40	1.27	-34.97	0.34	-0.09
54	177	393.33	7.63	56.40	1.27	-35.11	0.40	-0.08
54	177	446.67	-5.22	56.81	0.64	-44.61	0.89	-0.05
54	177	500.00	-20.10	51.53	0.54	-55.51	1.28	0.06
54	177	550.00	-37.93	46.56	2.20	-54.71	1.91	0.22
54	177	600.00	-58.81	47.09	1.40	-44.06	2.80	0.19
54	177	650.00	-88.19	45.31	-1.42	-79.50	2.79	0.04
54	177	700.00	-47.91	45.90	-4.18	-20.49	0.89	0.08
54	180	340.00	-261.75	-55.88	-1.03	106.55	-0.34	0.06
54	180	393.33	-261.75	-55.88	-1.03	106.40	-0.27	0.05
54	180	446.67	-248.14	-56.33	-0.49	102.42	-0.68	0.03
54	180	500.00	-234.69	-51.11	-0.45	93.20	-1.02	-0.07
54	180	550.00	-218.15	-46.19	-2.17	71.69	-1.63	-0.23
54	180	600.00	-197.94	-46.78	-1.31	41.13	-2.48	-0.19
54	180	650.00	-169.04	-45.12	1.78	56.58	-2.29	-0.03
54	180	700.00	-153.25	-57.00	3.22	99.54	-0.86	0.01
54	202	340.00	-150.30	227.58	0.27	381.44	0.05	-0.02
54	202	393.33	-150.30	227.58	0.27	381.30	0.12	-0.02
54	202	446.67	-150.17	228.73	0.39	327.70	0.36	-0.03
54	202	500.00	-151.35	226.70	0.23	269.34	0.63	-0.03
54	202	550.00	-153.25	224.30	0.21	212.07	0.79	-0.02
54	202	600.00	-157.42	223.34	0.07	157.48	0.80	-0.02
54	202	650.00	-158.18	221.00	-0.38	96.75	0.67	-0.03
54	202	700.00	-150.95	186.73	-1.11	86.35	0.17	-0.02
54	209	340.00	31.36	64.15	1.46	-51.46	0.39	-0.10
54	209	393.33	31.36	64.15	1.46	-51.60	0.46	-0.09
54	209	446.67	16.20	64.62	0.73	-61.03	1.01	-0.05
54	209	500.00	-1.15	58.49	0.62	-71.53	1.47	0.07
54	209	550.00	-21.96	52.71	2.58	-68.24	2.20	0.26
54	209	600.00	-46.42	53.34	1.63	-53.52	3.24	0.23
54	209	650.00	-80.58	51.28	-1.69	-92.10	3.22	0.05
54	209	700.00	-38.17	53.10	-4.81	-31.61	1.04	0.09
54	212	340.00	-285.48	-63.63	-1.22	123.03	-0.39	0.07
54	212	393.33	-285.48	-63.63	-1.22	122.89	-0.33	0.06
54	212	446.67	-269.56	-64.14	-0.58	118.84	-0.81	0.03
54	212	500.00	-253.64	-58.07	-0.53	109.21	-1.21	-0.08
54	212	550.00	-234.11	-52.34	-2.55	85.21	-1.93	-0.27
54	212	600.00	-210.32	-53.03	-1.54	50.58	-2.92	-0.22
54	212	650.00	-176.65	-51.09	2.04	69.17	-2.72	-0.03
54	212	700.00	-162.99	-64.20	3.85	110.66	-1.01	5.29e-03
54	234	340.00	-155.64	269.64	0.30	446.30	0.06	-0.02
54	234	393.33	-155.64	269.64	0.30	446.16	0.13	-0.02
54	234	446.67	-155.46	271.01	0.44	383.90	0.40	-0.03
54	234	500.00	-156.63	268.65	0.26	316.54	0.72	-0.03
54	234	550.00	-158.62	265.83	0.23	250.46	0.90	-0.02
54	234	600.00	-163.31	264.70	0.06	187.38	0.90	-0.03
54	234	650.00	-163.98	261.95	-0.48	117.53	0.73	-0.04
54	234	700.00	-160.74	222.29	-1.20	95.44	0.19	-0.03
54	256	340.00	-155.79	1.15	0.17	38.41	0.0	-0.02
54	256	393.33	-155.79	1.15	0.17	37.79	0.09	-0.01
54	256	446.67	-155.63	1.13	0.11	29.55	0.15	-9.98e-03
54	256	500.00	-156.78	1.09	0.06	17.03	0.19	-8.82e-03
54	256	550.00	-157.70	1.06	-0.02	3.78	0.18	-9.74e-03
54	256	600.00	-158.13	1.02	0.02	-9.25	0.19	-1.60e-03
54	256	650.00	-158.51	0.93	0.22	-22.01	0.30	9.36e-03
54	256	700.00	-123.33	-7.00	-0.58	46.07	0.02	0.06
54	268	340.00	-150.62	-7.38	0.16	19.94	0.0	-0.02
54	268	393.33	-150.62	-7.38	0.16	23.87	0.08	-0.02
54	268	446.67	-150.83	-7.36	0.10	17.63	0.14	-0.01
54	268	500.00	-152.41	-7.34	0.06	6.99	0.17	-9.17e-03
54	268	550.00	-153.87	-7.32	0.02	-4.27	0.18	-6.74e-03
54	268	600.00	-154.91	-7.31	0.06	-14.99	0.21	1.02e-03
54	268	650.00	-155.85	-7.32	0.23	-25.84	0.33	8.52e-03
54	268	700.00	-120.54	-13.91	-0.63	43.38	0.02	0.06
54	273	340.00	-100.93	-12.03	0.09	10.68	0.0	-0.01
54	273	393.33	-100.93	-12.03	0.09	17.09	0.05	-9.89e-03
54	273	446.67	-99.97	-11.97	0.05	15.06	0.07	-6.19e-03
54	273	500.00	-99.87	-11.90	0.03	10.35	0.09	-4.18e-03
54	273	550.00	-99.75	-11.83	7.04e-03	5.08	0.09	-2.97e-03
54	273	600.00	-99.46	-11.75	0.03	0.16	0.10	9.46e-04
54	273	650.00	-99.18	-11.67	0.12	-4.98	0.16	4.61e-03
54	273	700.00	-78.77	-12.35	-0.32	26.67	0.01	0.03
54	275	340.00	-128.15	-12.33	0.13	13.18	0.0	-0.02

54	275	393.33	-128.15	-12.33	0.13	19.75	0.07	-0.02
54	275	446.67	-127.97	-12.29	0.08	15.82	0.11	-0.01
54	275	500.00	-128.99	-12.22	0.05	8.08	0.14	-7.40e-03
54	275	550.00	-129.91	-12.16	0.02	-0.34	0.15	-5.28e-03
54	275	600.00	-130.51	-12.10	0.05	-8.26	0.18	1.22e-03
54	275	650.00	-131.05	-12.06	0.20	-16.37	0.28	7.39e-03
54	275	700.00	-101.35	-16.42	-0.53	39.17	0.02	0.05
54	298	340.00	-130.95	0.22	0.13	36.14	0.0	-0.02
54	298	393.33	-130.95	0.22	0.13	36.02	0.07	-0.01
54	298	446.67	-130.68	0.19	0.08	29.01	0.11	-0.01
54	298	500.00	-131.56	0.16	0.05	18.52	0.14	-8.04e-03
54	298	550.00	-132.35	0.14	0.02	7.71	0.15	-6.17e-03
54	298	600.00	-132.81	0.11	0.05	-2.67	0.17	2.93e-04
54	298	650.00	-133.17	0.04	0.19	-13.09	0.26	6.62e-03
54	298	700.00	-103.80	-6.13	-0.51	41.31	0.02	0.05
54	306	340.00	-103.17	-1.99	0.08	29.06	0.0	-0.01
54	306	393.33	-103.17	-1.99	0.08	30.12	0.04	-9.14e-03
54	306	446.67	-102.14	-1.99	0.05	25.62	0.07	-6.22e-03
54	306	500.00	-101.92	-1.99	0.03	18.70	0.08	-4.70e-03
54	306	550.00	-101.70	-1.99	5.65e-03	11.52	0.08	-3.68e-03
54	306	600.00	-101.30	-1.99	0.03	4.64	0.10	2.05e-04
54	306	650.00	-100.88	-1.99	0.11	-2.35	0.16	3.99e-03
54	306	700.00	-80.73	-4.12	-0.30	28.38	0.01	0.03
54	307	340.00	-126.50	-2.25	0.12	31.19	0.0	-0.02
54	307	393.33	-126.50	-2.25	0.12	32.39	0.06	-0.01
54	307	446.67	-126.14	-2.26	0.07	26.27	0.10	-9.89e-03
54	307	500.00	-126.88	-2.27	0.05	16.75	0.13	-7.46e-03
54	307	550.00	-127.55	-2.27	0.02	6.88	0.14	-5.66e-03
54	307	600.00	-127.91	-2.29	0.05	-2.58	0.16	4.39e-04
54	307	650.00	-128.19	-2.32	0.18	-12.12	0.25	6.37e-03
54	307	700.00	-100.09	-7.61	-0.49	39.10	0.02	0.05
54	309	340.00	-103.73	0.52	0.08	33.65	0.0	-9.90e-03
54	309	393.33	-103.73	0.52	0.08	33.37	0.04	-8.95e-03
54	309	446.67	-102.68	0.50	0.05	28.26	0.07	-6.23e-03
54	309	500.00	-102.44	0.49	0.03	20.79	0.08	-4.83e-03
54	309	550.00	-102.19	0.47	5.30e-03	13.13	0.08	-3.86e-03
54	309	600.00	-101.76	0.46	0.03	5.75	0.10	2.00e-05
54	309	650.00	-101.30	0.43	0.11	-1.70	0.15	3.84e-03
54	309	700.00	-81.23	-2.06	-0.29	28.81	9.87e-03	0.03
54	310	340.00	-127.06	0.26	0.12	35.79	0.0	-0.02
54	310	393.33	-127.06	0.26	0.12	35.65	0.06	-0.01
54	310	446.67	-126.68	0.24	0.07	28.90	0.10	-9.90e-03
54	310	500.00	-127.40	0.21	0.05	18.84	0.13	-7.59e-03
54	310	550.00	-128.04	0.19	0.02	8.49	0.14	-5.84e-03
54	310	600.00	-128.37	0.16	0.05	-1.47	0.16	2.54e-04
54	310	650.00	-128.62	0.10	0.18	-11.46	0.25	6.22e-03
54	310	700.00	-100.58	-5.55	-0.48	39.52	0.02	0.05

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-285.48	-64.20	-4.81	-92.10	-2.92	-0.27
	31.36	271.01	3.85	446.30	3.24	0.26

Macro	Tipo	Angolo 1-Z (gradi)
55	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
55	4	340.00	-198.57	19.20	0.14	16.78	-0.22	0.08
55	4	393.33	-198.57	19.20	0.14	27.02	-0.14	0.03
55	4	446.67	-193.47	19.28	0.10	33.48	-0.09	0.01
55	4	500.00	-186.43	19.30	0.04	38.15	-0.07	6.29e-03
55	4	550.00	-179.49	19.30	-0.01	42.22	-0.08	3.79e-03
55	4	600.00	-173.06	19.25	-0.09	46.72	-0.12	-2.53e-04
55	4	650.00	-166.70	19.08	-0.23	51.20	-0.23	-1.47e-04
55	4	700.00	-150.56	3.99	0.47	39.97	0.0	-0.05
55	52	340.00	-203.72	19.15	0.17	19.05	-0.25	0.09
55	52	393.33	-203.72	19.15	0.17	29.26	-0.16	0.04
55	52	446.67	-198.23	19.23	0.12	35.34	-0.10	0.01
55	52	500.00	-190.76	19.26	0.05	39.57	-0.07	5.96e-03
55	52	550.00	-183.39	19.26	-9.40e-03	43.22	-0.08	3.48e-03
55	52	600.00	-176.54	19.21	-0.08	47.31	-0.12	-4.77e-04
55	52	650.00	-169.73	19.04	-0.20	51.35	-0.22	-9.52e-04

55	52	700.00	-153.14	3.87	0.43	39.67	0.0	-0.05
55	93	340.00	-68.53	5.60	0.02	4.67	-0.05	0.02
55	93	393.33	-68.53	5.60	0.02	7.66	-0.04	9.84e-03
55	93	446.67	-66.77	5.62	0.03	9.75	-0.03	3.24e-03
55	93	500.00	-64.35	5.63	0.01	11.23	-0.02	1.68e-03
55	93	550.00	-61.95	5.63	-5.09e-03	12.52	-0.02	9.20e-04
55	93	600.00	-59.72	5.62	-0.03	13.94	-0.04	-2.75e-04
55	93	650.00	-57.52	5.57	-0.08	15.36	-0.08	3.66e-05
55	93	700.00	-51.80	1.53	0.15	11.93	0.0	-0.02
55	125	340.00	-176.28	42.04	0.54	-27.84	-0.24	0.08
55	125	393.33	-176.28	42.04	0.54	-22.44	-0.20	0.03
55	125	446.67	-165.49	41.68	0.23	-9.40	0.03	0.02
55	125	500.00	-153.65	41.31	0.12	2.24	0.11	7.04e-03
55	125	550.00	-134.32	40.94	0.03	19.03	0.14	-5.55e-04
55	125	600.00	-135.68	40.59	-0.04	29.47	0.13	-0.01
55	125	650.00	-121.20	39.88	0.10	36.05	0.12	-0.02
55	125	700.00	-107.48	17.41	-0.34	35.83	0.15	-4.68e-03
55	139	340.00	-219.38	12.49	2.02	62.33	-0.76	0.26
55	139	393.33	-219.38	12.49	2.02	67.73	-0.72	0.11
55	139	446.67	-206.30	12.71	0.80	62.72	0.01	0.06
55	139	500.00	-192.45	12.87	0.38	57.33	0.26	0.02
55	139	550.00	-181.54	12.99	0.14	50.75	0.37	-0.01
55	139	600.00	-168.19	13.06	-0.02	47.96	0.38	-0.04
55	139	650.00	-153.10	13.00	0.31	41.04	0.47	-0.06
55	139	700.00	-133.87	-0.52	-1.20	27.40	0.35	-6.72e-03
55	141	340.00	-226.91	28.97	1.77	28.06	-0.65	0.22
55	141	393.33	-226.91	28.97	1.77	33.46	-0.61	0.10
55	141	446.67	-212.09	28.93	0.74	35.82	0.07	0.06
55	141	500.00	-196.61	28.86	0.34	37.42	0.35	0.02
55	141	550.00	-179.59	28.75	0.12	40.78	0.46	-6.39e-03
55	141	600.00	-169.75	28.62	-0.05	42.77	0.46	-0.03
55	141	650.00	-155.25	28.23	0.25	43.09	0.49	-0.05
55	141	700.00	-138.79	8.32	-1.17	35.28	0.35	5.21e-03
55	144	340.00	6.94	-8.73	-1.62	-9.03	0.41	-0.14
55	144	393.33	6.94	-8.73	-1.62	-3.64	0.45	-0.06
55	144	446.67	-1.87	-8.61	-0.62	0.69	-0.17	-0.05
55	144	500.00	-9.18	-8.51	-0.29	3.78	-0.42	-0.02
55	144	550.00	-18.15	-8.40	-0.13	4.48	-0.54	0.01
55	144	600.00	-20.50	-8.32	-0.04	7.01	-0.59	0.03
55	144	650.00	-27.57	-8.12	-0.48	11.19	-0.74	0.05
55	144	700.00	-26.03	-4.25	1.66	6.68	-0.35	-0.06
55	157	340.00	-184.72	46.02	0.60	-32.39	-0.25	0.08
55	157	393.33	-184.72	46.02	0.60	-26.99	-0.21	0.03
55	157	446.67	-172.94	45.62	0.26	-12.76	0.03	0.02
55	157	500.00	-160.12	45.20	0.13	0.03	0.13	7.56e-03
55	157	550.00	-138.92	44.79	0.04	18.61	0.17	-8.54e-04
55	157	600.00	-140.86	44.39	-0.04	30.05	0.16	-0.01
55	157	650.00	-125.02	43.60	0.13	37.18	0.15	-0.02
55	157	700.00	-110.69	19.32	-0.42	37.69	0.16	-1.88e-03
55	171	340.00	-233.68	12.88	2.27	69.05	-0.84	0.29
55	171	393.33	-233.68	12.88	2.27	74.44	-0.80	0.12
55	171	446.67	-219.28	13.11	0.90	68.38	0.02	0.06
55	171	500.00	-204.16	13.29	0.43	62.02	0.30	0.02
55	171	550.00	-192.32	13.42	0.15	54.37	0.43	-0.01
55	171	600.00	-177.72	13.51	-0.02	50.94	0.44	-0.04
55	171	650.00	-161.18	13.45	0.37	42.88	0.55	-0.07
55	171	700.00	-140.63	-0.81	-1.39	28.29	0.40	-3.93e-03
55	173	340.00	-242.17	31.39	1.99	30.56	-0.72	0.25
55	173	393.33	-242.17	31.39	1.99	35.96	-0.67	0.11
55	173	446.67	-225.82	31.34	0.83	38.19	0.08	0.07
55	173	500.00	-208.85	31.26	0.38	39.67	0.40	0.03
55	173	550.00	-190.17	31.14	0.13	43.17	0.52	-7.39e-03
55	173	600.00	-179.51	30.99	-0.05	45.11	0.53	-0.03
55	173	650.00	-163.60	30.57	0.30	45.17	0.57	-0.06
55	173	700.00	-146.15	9.13	-1.35	37.14	0.40	9.47e-03
55	176	340.00	22.20	-11.15	-1.84	-11.54	0.47	-0.16
55	176	393.33	22.20	-11.15	-1.84	-6.14	0.51	-0.07
55	176	446.67	11.86	-11.02	-0.71	-1.67	-0.18	-0.05
55	176	500.00	3.06	-10.91	-0.33	1.53	-0.47	-0.02
55	176	550.00	-7.57	-10.79	-0.15	2.09	-0.60	0.01
55	176	600.00	-10.74	-10.69	-0.04	4.68	-0.66	0.03
55	176	650.00	-19.23	-10.45	-0.53	9.10	-0.82	0.06
55	176	700.00	-18.67	-5.06	1.84	4.82	-0.40	-0.06
55	189	340.00	-184.83	45.59	0.62	-31.10	-0.26	0.08
55	189	393.33	-184.83	45.59	0.62	-25.70	-0.22	0.03

55	189	446.67	-173.06	45.19	0.26	-11.70	0.03	0.02
55	189	500.00	-160.23	44.78	0.13	0.88	0.13	7.81e-03
55	189	550.00	-139.66	44.37	0.04	18.81	0.17	-7.02e-04
55	189	600.00	-141.08	43.97	-0.04	29.98	0.16	-0.01
55	189	650.00	-125.06	43.19	0.13	37.04	0.15	-0.02
55	189	700.00	-110.72	19.07	-0.43	37.45	0.17	-1.87e-03
55	203	340.00	-236.52	13.36	2.30	69.26	-0.86	0.29
55	203	393.33	-236.52	13.36	2.30	74.66	-0.82	0.13
55	203	446.67	-221.86	13.59	0.91	68.63	0.02	0.07
55	203	500.00	-206.49	13.77	0.44	62.28	0.31	0.02
55	203	550.00	-194.27	13.90	0.16	54.77	0.44	-0.01
55	203	600.00	-179.47	13.98	-0.02	51.33	0.45	-0.04
55	203	650.00	-162.87	13.90	0.38	43.39	0.56	-0.07
55	203	700.00	-142.25	-0.62	-1.42	28.82	0.41	-2.32e-03
55	205	340.00	-244.95	31.59	2.03	31.58	-0.73	0.25
55	205	393.33	-244.95	31.59	2.03	36.98	-0.69	0.11
55	205	446.67	-228.36	31.54	0.84	39.08	0.08	0.07
55	205	500.00	-211.15	31.45	0.39	40.45	0.40	0.03
55	205	550.00	-192.43	31.33	0.14	43.71	0.53	-6.80e-03
55	205	600.00	-181.38	31.19	-0.05	45.54	0.54	-0.03
55	205	650.00	-165.15	30.75	0.31	45.53	0.59	-0.06
55	205	700.00	-147.47	9.16	-1.39	37.37	0.41	0.01
55	208	340.00	24.97	-11.35	-1.88	-12.56	0.49	-0.17
55	208	393.33	24.97	-11.35	-1.88	-7.16	0.53	-0.07
55	208	446.67	14.40	-11.22	-0.73	-2.56	-0.18	-0.06
55	208	500.00	5.36	-11.10	-0.34	0.74	-0.48	-0.02
55	208	550.00	-5.31	-10.98	-0.15	1.55	-0.61	0.01
55	208	600.00	-8.87	-10.89	-0.05	4.24	-0.67	0.03
55	208	650.00	-17.67	-10.64	-0.54	8.74	-0.83	0.06
55	208	700.00	-17.35	-5.09	1.87	4.58	-0.41	-0.06
55	221	340.00	-197.95	51.45	0.73	-37.38	-0.29	0.09
55	221	393.33	-197.95	51.45	0.73	-31.99	-0.25	0.03
55	221	446.67	-184.67	50.98	0.30	-16.30	0.05	0.03
55	221	500.00	-170.33	50.50	0.15	-2.08	0.16	8.75e-03
55	221	550.00	-147.05	50.02	0.05	18.35	0.20	-1.10e-03
55	221	600.00	-149.16	49.56	-0.04	30.92	0.20	-0.02
55	221	650.00	-131.00	48.67	0.18	38.72	0.20	-0.03
55	221	700.00	-115.73	21.87	-0.55	40.18	0.20	2.51e-03
55	235	340.00	-260.24	14.20	2.71	79.89	-0.99	0.34
55	235	393.33	-260.24	14.20	2.71	85.29	-0.95	0.15
55	235	446.67	-243.40	14.46	1.07	77.62	0.03	0.08
55	235	500.00	-225.92	14.66	0.51	69.76	0.37	0.03
55	235	550.00	-212.11	14.81	0.19	60.61	0.53	-0.01
55	235	600.00	-195.25	14.90	-0.01	56.18	0.55	-0.05
55	235	650.00	-176.33	14.82	0.47	46.53	0.69	-0.08
55	235	700.00	-153.61	-0.97	-1.73	30.48	0.48	2.67e-03
55	237	340.00	-270.15	35.43	2.40	36.05	-0.85	0.29
55	237	393.33	-270.15	35.43	2.40	41.45	-0.81	0.13
55	237	446.67	-251.05	35.37	0.99	43.24	0.10	0.08
55	237	500.00	-231.41	35.26	0.46	44.37	0.48	0.03
55	237	550.00	-210.05	35.12	0.16	47.74	0.64	-8.13e-03
55	237	600.00	-197.53	34.95	-0.05	49.43	0.66	-0.04
55	237	650.00	-178.97	34.45	0.39	48.97	0.72	-0.07
55	237	700.00	-159.64	10.41	-1.69	40.38	0.48	0.02
55	240	340.00	50.18	-15.19	-2.25	-17.03	0.60	-0.21
55	240	393.33	50.18	-15.19	-2.25	-11.63	0.64	-0.09
55	240	446.67	37.09	-15.05	-0.88	-6.73	-0.20	-0.07
55	240	500.00	25.62	-14.92	-0.41	-3.18	-0.56	-0.02
55	240	550.00	12.31	-14.77	-0.18	-2.48	-0.72	0.01
55	240	600.00	7.28	-14.65	-0.05	0.36	-0.78	0.04
55	240	650.00	-3.86	-14.34	-0.62	5.31	-0.96	0.07
55	240	700.00	-5.19	-6.34	2.18	1.57	-0.48	-0.07
55	244	340.00	-138.82	13.27	0.09	11.65	-0.15	0.05
55	244	393.33	-138.82	13.27	0.09	18.73	-0.10	0.02
55	244	446.67	-135.21	13.32	0.07	23.20	-0.06	7.85e-03
55	244	500.00	-130.26	13.34	0.03	26.42	-0.05	4.31e-03
55	244	550.00	-125.38	13.34	-0.01	29.23	-0.05	2.59e-03
55	244	600.00	-120.85	13.31	-0.06	32.33	-0.08	-2.02e-04
55	244	650.00	-116.36	13.19	-0.16	35.41	-0.16	-1.37e-04
55	244	700.00	-105.05	2.80	0.32	27.62	0.0	-0.04
55	268	340.00	-142.25	13.24	0.11	13.17	-0.17	0.06
55	268	393.33	-142.25	13.24	0.11	20.23	-0.11	0.02
55	268	446.67	-138.39	13.30	0.08	24.44	-0.07	7.80e-03
55	268	500.00	-133.14	13.31	0.03	27.37	-0.05	4.10e-03
55	268	550.00	-127.97	13.31	-6.37e-03	29.89	-0.05	2.38e-03

55	268	600.00	-123.16	13.28	-0.06	32.72	-0.08	-3.52e-04
55	268	650.00	-118.38	13.16	-0.14	35.51	-0.15	-6.74e-04
55	268	700.00	-106.77	2.72	0.30	27.42	0.0	-0.03
55	285	340.00	-76.72	6.43	0.04	5.63	-0.07	0.03
55	285	393.33	-76.72	6.43	0.04	9.06	-0.05	0.01
55	285	446.67	-74.63	6.45	0.03	11.29	-0.03	3.43e-03
55	285	500.00	-71.80	6.46	0.02	12.82	-0.02	1.62e-03
55	285	550.00	-69.00	6.46	-3.33e-03	14.15	-0.02	7.83e-04
55	285	600.00	-66.38	6.45	-0.03	15.62	-0.04	-5.01e-04
55	285	650.00	-63.79	6.39	-0.07	17.09	-0.07	-4.35e-04
55	285	700.00	-57.40	1.77	0.15	13.17	0.0	-0.02
55	298	340.00	-114.93	10.68	0.08	10.03	-0.13	0.04
55	298	393.33	-114.93	10.68	0.08	15.73	-0.08	0.02
55	298	446.67	-111.82	10.72	0.06	19.28	-0.05	6.45e-03
55	298	500.00	-107.59	10.73	0.03	21.77	-0.04	3.53e-03
55	298	550.00	-103.41	10.73	-7.82e-03	23.95	-0.04	2.15e-03
55	298	600.00	-99.53	10.71	-0.05	26.36	-0.07	-1.09e-04
55	298	650.00	-95.69	10.61	-0.13	28.76	-0.13	-5.13e-05
55	298	700.00	-86.31	2.06	0.26	22.26	0.0	-0.03
55	307	340.00	-111.42	10.26	0.08	9.82	-0.13	0.04
55	307	393.33	-111.42	10.26	0.08	15.29	-0.08	0.02
55	307	446.67	-108.29	10.30	0.06	18.60	-0.05	5.94e-03
55	307	500.00	-104.07	10.32	0.03	20.89	-0.04	3.10e-03
55	307	550.00	-99.91	10.32	-5.41e-03	22.87	-0.04	1.79e-03
55	307	600.00	-96.04	10.29	-0.04	25.08	-0.06	-3.01e-04
55	307	650.00	-92.19	10.20	-0.11	27.27	-0.12	-4.50e-04
55	307	700.00	-83.06	2.09	0.23	21.02	0.0	-0.03
55	308	340.00	-79.58	6.71	0.05	6.24	-0.08	0.03
55	308	393.33	-79.58	6.71	0.05	9.82	-0.06	0.01
55	308	446.67	-77.25	6.73	0.04	11.97	-0.03	3.32e-03
55	308	500.00	-74.15	6.74	0.02	13.40	-0.02	1.38e-03
55	308	550.00	-71.08	6.74	-7.35e-04	14.62	-0.02	5.50e-04
55	308	600.00	-68.21	6.73	-0.02	16.00	-0.04	-7.02e-04
55	308	650.00	-65.35	6.67	-0.06	17.34	-0.07	-9.42e-04
55	308	700.00	-58.70	1.89	0.13	13.25	0.0	-0.01
55	309	340.00	-80.30	6.78	0.06	6.39	-0.09	0.03
55	309	393.33	-80.30	6.78	0.06	10.01	-0.06	0.01
55	309	446.67	-77.90	6.80	0.04	12.14	-0.04	3.29e-03
55	309	500.00	-74.73	6.81	0.02	13.55	-0.02	1.33e-03
55	309	550.00	-71.60	6.81	-8.48e-05	14.74	-0.02	4.92e-04
55	309	600.00	-68.67	6.80	-0.02	16.09	-0.04	-7.52e-04
55	309	650.00	-65.73	6.74	-0.05	17.41	-0.06	-1.07e-03
55	309	700.00	-59.02	1.91	0.13	13.27	0.0	-0.01
55	310	340.00	-109.99	10.12	0.08	9.51	-0.12	0.04
55	310	393.33	-109.99	10.12	0.08	14.91	-0.08	0.02
55	310	446.67	-106.98	10.16	0.06	18.26	-0.05	6.00e-03
55	310	500.00	-102.90	10.17	0.02	20.60	-0.04	3.22e-03
55	310	550.00	-98.87	10.17	-6.71e-03	22.63	-0.04	1.91e-03
55	310	600.00	-95.12	10.15	-0.05	24.89	-0.06	-2.01e-04
55	310	650.00	-91.41	10.06	-0.12	27.14	-0.12	-1.97e-04
55	310	700.00	-82.41	2.03	0.24	20.98	0.0	-0.03

M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-270.15	-15.19	-2.25	-37.38	-0.99	-0.21
			50.18	51.45	2.71	85.29	0.72	0.34

Macro	Tipo	Angolo 1-Z (gradi)
56	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
56	28	340.00	-156.37	-15.63	-0.12	-7.01	0.0	-0.03
56	28	393.33	-156.37	-15.63	-0.12	-15.35	-0.06	-0.04
56	28	446.67	-147.57	-15.76	-0.04	-16.45	-0.09	-0.02
56	28	500.00	-138.35	-15.80	-0.05	-17.19	-0.11	-0.02
56	28	550.00	-129.43	-15.82	-0.11	-17.66	-0.17	-8.40e-03
56	28	600.00	-120.87	-15.85	-0.20	-18.47	-0.27	4.33e-03
56	28	650.00	-112.52	-15.91	-0.17	-19.49	-0.35	0.03
56	28	700.00	-74.62	-16.06	0.69	8.35	-0.02	0.08
56	76	340.00	-152.30	-14.13	-0.12	-8.62	0.0	-0.03
56	76	393.33	-152.30	-14.13	-0.12	-16.16	-0.07	-0.04
56	76	446.67	-143.96	-14.26	-0.04	-16.90	-0.09	-0.03

56	76	500.00	-135.24	-14.30	-0.05	-17.31	-0.12	-0.02
56	76	550.00	-126.80	-14.33	-0.11	-17.49	-0.17	-8.71e-03
56	76	600.00	-118.72	-14.35	-0.20	-17.99	-0.27	4.40e-03
56	76	650.00	-110.84	-14.41	-0.17	-18.71	-0.36	0.03
56	76	700.00	-74.09	-14.56	0.70	8.78	-0.02	0.08
56	93	340.00	-54.04	-4.34	-0.04	-2.56	0.0	-0.01
56	93	393.33	-54.04	-4.34	-0.04	-4.88	-0.02	-0.01
56	93	446.67	-51.12	-4.38	-0.02	-5.22	-0.03	-8.47e-03
56	93	500.00	-48.04	-4.39	-0.01	-5.43	-0.04	-5.27e-03
56	93	550.00	-45.06	-4.40	-0.03	-5.56	-0.05	-2.25e-03
56	93	600.00	-42.21	-4.41	-0.05	-5.79	-0.08	1.98e-03
56	93	650.00	-39.42	-4.43	-0.04	-6.09	-0.10	9.02e-03
56	93	700.00	-26.75	-4.48	0.20	3.28	-6.07e-03	0.02
56	118	340.00	-2.94	25.74	-0.23	-40.93	-0.02	0.02
56	118	393.33	-2.94	25.74	-0.23	-44.95	-0.05	0.02
56	118	446.67	-4.00	25.23	-0.17	-35.20	-0.11	0.02
56	118	500.00	-6.28	24.73	-0.11	-25.19	-0.16	8.21e-03
56	118	550.00	-12.18	24.07	-0.08	-18.81	-0.21	-2.17e-03
56	118	600.00	-21.92	23.41	-0.05	-8.45	-0.29	-7.09e-04
56	118	650.00	-22.62	22.91	0.11	-4.89	-0.35	0.01
56	118	700.00	-14.14	22.48	0.79	13.24	-0.08	0.04
56	119	340.00	-165.43	-40.83	0.10	31.82	0.02	-0.06
56	119	393.33	-165.43	-40.83	0.10	27.79	-0.01	-0.06
56	119	446.67	-154.97	-40.46	0.12	17.25	0.02	-0.04
56	119	500.00	-142.88	-40.00	0.06	6.82	0.04	-0.03
56	119	550.00	-127.47	-39.37	-0.03	0.26	0.04	-6.90e-03
56	119	600.00	-108.62	-38.74	-0.15	-10.61	5.92e-03	5.02e-03
56	119	650.00	-99.02	-38.30	-0.30	-14.92	-0.02	0.02
56	119	700.00	-67.47	-38.02	-0.07	-3.36	0.05	0.04
56	137	340.00	-94.89	-1.81	0.34	-23.64	0.11	-0.05
56	137	393.33	-94.89	-1.81	0.34	-27.66	0.08	-0.05
56	137	446.67	-88.83	-2.01	0.28	-24.62	0.27	-0.03
56	137	500.00	-83.34	-2.16	0.17	-21.54	0.40	-0.01
56	137	550.00	-79.39	-1.85	6.85e-03	-19.41	0.44	0.02
56	137	600.00	-77.21	-1.46	-0.12	-15.94	0.39	0.05
56	137	650.00	-72.82	-1.53	-0.22	-14.17	0.28	0.08
56	137	700.00	-53.76	-1.64	-0.35	4.16	0.17	0.08
56	150	340.00	7.06	29.83	-0.25	-45.37	-0.02	0.03
56	150	393.33	7.06	29.83	-0.25	-49.39	-0.06	0.02
56	150	446.67	5.29	29.27	-0.19	-38.39	-0.12	0.02
56	150	500.00	2.14	28.70	-0.13	-27.12	-0.17	0.01
56	150	550.00	-5.08	27.97	-0.08	-19.95	-0.23	-1.88e-03
56	150	600.00	-16.54	27.23	-0.05	-8.33	-0.30	-1.09e-03
56	150	650.00	-17.90	26.68	0.14	-4.27	-0.37	9.87e-03
56	150	700.00	-10.85	26.19	0.85	14.26	-0.08	0.04
56	151	340.00	-175.44	-44.92	0.12	36.25	0.02	-0.06
56	151	393.33	-175.44	-44.92	0.12	32.23	-0.01	-0.06
56	151	446.67	-164.27	-44.49	0.14	20.44	0.03	-0.05
56	151	500.00	-151.29	-43.97	0.08	8.75	0.05	-0.03
56	151	550.00	-134.57	-43.27	-0.03	1.40	0.05	-7.19e-03
56	151	600.00	-114.00	-42.56	-0.16	-10.73	0.03	5.39e-03
56	151	650.00	-103.75	-42.06	-0.32	-15.53	1.02e-03	0.02
56	151	700.00	-70.77	-41.74	-0.12	-4.38	0.06	0.04
56	169	340.00	-96.40	-1.11	0.39	-26.09	0.13	-0.05
56	169	393.33	-96.40	-1.11	0.39	-30.11	0.09	-0.06
56	169	446.67	-90.17	-1.32	0.32	-26.64	0.31	-0.03
56	169	500.00	-84.58	-1.49	0.19	-23.14	0.46	-0.01
56	169	550.00	-80.73	-1.14	0.02	-20.73	0.51	0.03
56	169	600.00	-78.82	-0.70	-0.12	-16.80	0.46	0.06
56	169	650.00	-74.44	-0.78	-0.23	-14.75	0.34	0.09
56	169	700.00	-55.49	-0.88	-0.44	4.03	0.19	0.09
56	182	340.00	5.60	29.21	-0.25	-44.44	-0.02	0.03
56	182	393.33	5.60	29.21	-0.25	-48.46	-0.06	0.02
56	182	446.67	3.96	28.66	-0.19	-37.66	-0.12	0.02
56	182	500.00	0.93	28.10	-0.13	-26.57	-0.17	9.71e-03
56	182	550.00	-6.17	27.38	-0.09	-19.54	-0.23	-1.93e-03
56	182	600.00	-16.98	26.65	-0.05	-8.47	-0.31	-1.15e-03
56	182	650.00	-18.41	26.10	0.14	-4.37	-0.38	9.58e-03
56	182	700.00	-11.24	25.62	0.85	14.14	-0.09	0.04
56	183	340.00	-173.98	-44.30	0.12	35.33	0.02	-0.06
56	183	393.33	-173.98	-44.30	0.12	31.31	-0.01	-0.06
56	183	446.67	-162.94	-43.88	0.14	19.71	0.03	-0.05
56	183	500.00	-150.09	-43.37	0.08	8.20	0.06	-0.03
56	183	550.00	-133.48	-42.68	-0.03	0.99	0.06	-7.13e-03
56	183	600.00	-113.57	-41.97	-0.16	-10.59	0.03	5.45e-03

56	183	650.00	-103.23	-41.48	-0.32	-15.43	4.72e-03	0.02
56	183	700.00	-70.38	-41.17	-0.12	-4.26	0.06	0.04
56	201	340.00	-97.30	-1.21	0.40	-26.33	0.13	-0.06
56	201	393.33	-97.30	-1.21	0.40	-30.35	0.10	-0.06
56	201	446.67	-91.00	-1.43	0.33	-26.87	0.31	-0.03
56	201	500.00	-85.37	-1.60	0.20	-23.37	0.46	-0.01
56	201	550.00	-81.48	-1.25	0.02	-20.95	0.53	0.03
56	201	600.00	-79.40	-0.81	-0.12	-17.10	0.47	0.06
56	201	650.00	-75.04	-0.88	-0.24	-14.97	0.35	0.09
56	201	700.00	-56.02	-0.99	-0.47	3.87	0.20	0.09
56	214	340.00	20.56	35.32	-0.29	-51.03	-0.03	0.04
56	214	393.33	20.56	35.32	-0.29	-55.05	-0.06	0.03
56	214	446.67	17.89	34.69	-0.22	-42.37	-0.14	0.02
56	214	500.00	13.62	34.04	-0.14	-29.34	-0.20	0.01
56	214	550.00	4.49	33.20	-0.09	-21.16	-0.26	-1.43e-03
56	214	600.00	-8.85	32.35	-0.04	-8.27	-0.34	-1.69e-03
56	214	650.00	-11.30	31.71	0.18	-3.43	-0.41	8.68e-03
56	214	700.00	-6.27	31.17	0.93	15.68	-0.10	0.04
56	215	340.00	-188.93	-50.41	0.16	41.91	0.03	-0.07
56	215	393.33	-188.93	-50.41	0.16	37.89	-6.28e-03	-0.07
56	215	446.67	-176.86	-49.91	0.17	24.42	0.05	-0.05
56	215	500.00	-162.77	-49.31	0.09	10.97	0.08	-0.03
56	215	550.00	-144.13	-48.50	-0.02	2.62	0.09	-7.63e-03
56	215	600.00	-121.69	-47.68	-0.17	-10.79	0.06	6.00e-03
56	215	650.00	-110.35	-47.10	-0.36	-16.37	0.04	0.02
56	215	700.00	-75.34	-46.71	-0.21	-5.80	0.08	0.04
56	233	340.00	-100.09	-0.15	0.48	-30.32	0.16	-0.06
56	233	393.33	-100.09	-0.15	0.48	-34.34	0.12	-0.06
56	233	446.67	-93.47	-0.40	0.40	-30.17	0.38	-0.04
56	233	500.00	-87.66	-0.60	0.24	-26.00	0.56	-0.01
56	233	550.00	-83.92	-0.18	0.03	-23.13	0.64	0.04
56	233	600.00	-82.23	0.34	-0.13	-18.57	0.58	0.07
56	233	650.00	-77.88	0.26	-0.27	-15.98	0.45	0.10
56	233	700.00	-58.98	0.16	-0.62	3.59	0.23	0.10
56	256	340.00	-109.32	-10.78	-0.08	-4.92	0.0	-0.02
56	256	393.33	-109.32	-10.78	-0.08	-10.67	-0.04	-0.03
56	256	446.67	-103.16	-10.86	-0.03	-11.43	-0.06	-0.02
56	256	500.00	-96.72	-10.89	-0.03	-11.94	-0.08	-0.01
56	256	550.00	-90.48	-10.91	-0.08	-12.26	-0.12	-5.76e-03
56	256	600.00	-84.51	-10.93	-0.14	-12.81	-0.18	3.03e-03
56	256	650.00	-78.67	-10.97	-0.12	-13.51	-0.24	0.02
56	256	700.00	-52.25	-11.07	0.48	5.88	-0.01	0.05
56	280	340.00	-106.60	-9.78	-0.09	-5.99	0.0	-0.02
56	280	393.33	-106.60	-9.78	-0.09	-11.21	-0.05	-0.03
56	280	446.67	-100.76	-9.86	-0.03	-11.73	-0.06	-0.02
56	280	500.00	-94.65	-9.89	-0.03	-12.02	-0.08	-0.01
56	280	550.00	-88.74	-9.91	-0.08	-12.14	-0.12	-5.96e-03
56	280	600.00	-83.07	-9.93	-0.14	-12.50	-0.19	3.08e-03
56	280	650.00	-77.55	-9.97	-0.12	-13.00	-0.25	0.02
56	280	700.00	-51.90	-10.08	0.48	6.17	-0.01	0.05
56	285	340.00	-59.22	-4.85	-0.04	-2.98	0.0	-0.01
56	285	393.33	-59.22	-4.85	-0.04	-5.57	-0.02	-0.01
56	285	446.67	-56.01	-4.90	-0.02	-5.92	-0.03	-8.76e-03
56	285	500.00	-52.64	-4.91	-0.02	-6.13	-0.04	-5.48e-03
56	285	550.00	-49.38	-4.92	-0.03	-6.25	-0.06	-2.44e-03
56	285	600.00	-46.26	-4.93	-0.06	-6.49	-0.09	1.94e-03
56	285	650.00	-43.21	-4.96	-0.05	-6.81	-0.11	9.43e-03
56	285	700.00	-29.24	-5.01	0.21	3.55	-6.55e-03	0.02
56	298	340.00	-88.13	-7.97	-0.07	-4.77	0.0	-0.02
56	298	393.33	-88.13	-7.97	-0.07	-9.03	-0.04	-0.02
56	298	446.67	-83.19	-8.05	-0.02	-9.43	-0.05	-0.01
56	298	500.00	-78.04	-8.07	-0.03	-9.65	-0.06	-9.44e-03
56	298	550.00	-73.06	-8.08	-0.06	-9.74	-0.09	-4.90e-03
56	298	600.00	-68.28	-8.10	-0.11	-10.00	-0.15	2.24e-03
56	298	650.00	-63.61	-8.13	-0.10	-10.38	-0.20	0.02
56	298	700.00	-42.64	-8.21	0.39	5.16	-0.01	0.04
56	308	340.00	-60.29	-4.94	-0.04	-3.20	0.0	-9.95e-03
56	308	393.33	-60.29	-4.94	-0.04	-5.84	-0.02	-0.01
56	308	446.67	-57.00	-4.99	-0.01	-6.16	-0.03	-8.09e-03
56	308	500.00	-53.56	-5.00	-0.01	-6.34	-0.04	-5.08e-03
56	308	550.00	-50.22	-5.01	-0.03	-6.45	-0.05	-2.36e-03
56	308	600.00	-47.04	-5.02	-0.06	-6.67	-0.08	1.70e-03
56	308	650.00	-43.92	-5.05	-0.05	-6.97	-0.11	8.91e-03
56	308	700.00	-29.70	-5.10	0.21	3.59	-6.39e-03	0.02
56	309	340.00	-60.56	-4.96	-0.04	-3.26	0.0	-9.80e-03

56	309	393.33	-60.56	-4.96	-0.04	-5.90	-0.02	-0.01
56	309	446.67	-57.25	-5.01	-0.01	-6.21	-0.03	-7.92e-03
56	309	500.00	-53.78	-5.03	-0.01	-6.39	-0.04	-4.98e-03
56	309	550.00	-50.44	-5.04	-0.03	-6.49	-0.05	-2.34e-03
56	309	600.00	-47.23	-5.05	-0.06	-6.71	-0.08	1.63e-03
56	309	650.00	-44.10	-5.07	-0.05	-7.01	-0.11	8.78e-03
56	309	700.00	-29.82	-5.13	0.21	3.60	-6.35e-03	0.02
56	310	340.00	-84.19	-7.54	-0.06	-4.56	0.0	-0.02
56	310	393.33	-84.19	-7.54	-0.06	-8.58	-0.03	-0.02
56	310	446.67	-79.49	-7.61	-0.02	-8.97	-0.05	-0.01
56	310	500.00	-74.58	-7.63	-0.02	-9.18	-0.06	-8.81e-03
56	310	550.00	-69.82	-7.65	-0.06	-9.27	-0.09	-4.53e-03
56	310	600.00	-65.27	-7.66	-0.10	-9.53	-0.14	2.15e-03
56	310	650.00	-60.82	-7.69	-0.09	-9.90	-0.19	0.01
56	310	700.00	-40.81	-7.77	0.36	4.94	-0.01	0.04

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-188.93	-50.41	-0.62	-55.05	-0.41	-0.07
			20.56	35.32	0.93	41.91	0.64	0.10

Macro	Tipo	Angolo 1-Z (gradi)
57	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
57	44	340.00	-499.50	3.46	-0.09	-417.91	0.0	0.02
57	44	393.33	-499.50	3.46	-0.09	-419.76	-0.05	0.03
57	44	446.67	-505.49	3.52	7.24e-04	-428.75	-0.05	0.02
57	44	500.00	-511.88	3.56	-0.02	-438.77	-0.06	5.48e-03
57	44	550.00	-517.86	3.60	-0.11	-449.26	-0.11	-8.19e-03
57	44	600.00	-523.19	3.66	-0.09	-460.69	-0.16	-0.01
57	44	650.00	-527.79	3.83	0.07	-473.77	-0.13	-4.49e-03
57	44	700.00	-514.17	-30.31	0.25	-494.73	-1.92e-03	-1.65e-03
57	45	340.00	-206.68	1.49	6.46e-03	-143.27	0.0	0.01
57	45	393.33	-206.68	1.49	6.46e-03	-144.07	3.45e-03	0.02
57	45	446.67	-207.49	1.51	0.03	-148.67	0.02	9.86e-03
57	45	500.00	-208.56	1.52	-9.02e-03	-153.67	0.01	2.70e-03
57	45	550.00	-209.53	1.54	-0.09	-158.79	-0.03	-6.04e-03
57	45	600.00	-210.31	1.56	-0.08	-164.22	-0.07	-6.95e-03
57	45	650.00	-210.81	1.62	0.02	-170.24	-0.06	-1.08e-03
57	45	700.00	-203.22	-9.43	0.11	-180.50	-1.50e-03	9.38e-04
57	52	340.00	-570.89	-12.77	-0.18	-535.75	0.0	0.01
57	52	393.33	-570.89	-12.77	-0.18	-528.95	-0.10	0.02
57	52	446.67	-577.16	-12.17	-0.05	-532.42	-0.12	0.01
57	52	500.00	-583.78	-11.35	-0.02	-537.19	-0.14	5.62e-03
57	52	550.00	-589.95	-10.46	-0.04	-543.22	-0.16	-3.09e-03
57	52	600.00	-595.47	-9.57	-0.02	-550.48	-0.17	-7.21e-03
57	52	650.00	-600.19	-8.66	0.08	-559.83	-0.13	-6.20e-03
57	52	700.00	-584.56	-48.49	0.25	-578.71	-7.08e-04	-4.74e-03
57	67	340.00	-468.46	-24.25	-0.15	-453.02	0.0	0.01
57	67	393.33	-468.46	-24.25	-0.15	-440.10	-0.08	0.02
57	67	446.67	-472.15	-23.32	-0.04	-438.66	-0.10	0.01
57	67	500.00	-476.16	-22.00	-0.02	-438.44	-0.11	4.89e-03
57	67	550.00	-479.89	-20.55	-0.03	-439.78	-0.13	-1.84e-03
57	67	600.00	-483.18	-19.12	-0.01	-442.18	-0.13	-5.15e-03
57	67	650.00	-485.88	-17.79	0.06	-446.43	-0.10	-4.62e-03
57	67	700.00	-471.82	-49.04	0.20	-460.61	-5.39e-04	-3.56e-03
57	116	340.00	-234.98	-15.89	-1.17	106.93	-0.29	0.05
57	116	393.33	-234.98	-15.89	-1.17	106.23	-0.34	0.04
57	116	446.67	-251.15	-16.80	-0.63	42.82	-0.83	4.99e-03
57	116	500.00	-273.38	-17.37	-0.67	-33.68	-1.15	-0.08
57	116	550.00	-284.56	-17.51	-1.49	-78.28	-1.66	-0.19
57	116	600.00	-295.14	-17.15	-0.80	-125.26	-2.21	-0.17
57	116	650.00	-305.12	-14.92	1.60	-165.25	-2.01	-0.07
57	116	700.00	-308.09	-41.95	3.02	-223.30	-0.69	-0.02
57	138	340.00	-242.58	257.14	0.38	309.50	0.12	-0.02
57	138	393.33	-242.58	257.14	0.38	308.79	0.08	-0.02
57	138	446.67	-252.62	256.36	0.26	239.89	0.28	-0.02
57	138	500.00	-261.28	255.33	0.19	174.78	0.42	-0.02
57	138	550.00	-272.59	254.07	0.08	103.34	0.55	-0.02
57	138	600.00	-282.72	252.59	-0.10	34.92	0.56	-0.02
57	138	650.00	-288.28	250.70	-0.35	-41.60	0.46	-0.03

57	138	700.00	-312.96	210.81	-0.66	-158.30	0.20	-0.03
57	141	340.00	-417.45	-233.25	0.02	-952.32	0.03	-3.57e-03
57	141	393.33	-417.45	-233.25	0.02	-953.03	-0.02	1.83e-03
57	141	446.67	-406.91	-232.13	0.02	-872.79	0.01	0.02
57	141	500.00	-394.04	-230.95	0.13	-786.87	0.03	0.04
57	141	550.00	-385.72	-229.61	0.59	-716.49	0.14	0.08
57	141	600.00	-376.63	-228.19	0.46	-645.71	0.40	0.07
57	141	650.00	-370.50	-226.79	-0.39	-571.59	0.43	0.03
57	141	700.00	-324.91	-229.48	-0.59	-470.36	0.17	0.01
57	144	340.00	-207.40	235.87	-0.20	431.49	-0.03	0.02
57	144	393.33	-207.40	235.87	-0.20	430.78	-0.08	0.02
57	144	446.67	-223.24	234.82	-0.06	342.29	-0.13	-2.51e-03
57	144	500.00	-241.89	233.69	-0.15	247.20	-0.16	-0.04
57	144	550.00	-255.52	232.41	-0.64	166.97	-0.29	-0.09
57	144	600.00	-269.19	231.06	-0.49	85.10	-0.57	-0.08
57	144	650.00	-279.01	229.87	0.46	-2.19	-0.56	-0.04
57	144	700.00	-306.22	189.23	0.85	-129.35	-0.17	-0.02
57	148	340.00	-225.14	-17.44	-1.30	154.32	-0.32	0.05
57	148	393.33	-225.14	-17.44	-1.30	153.62	-0.37	0.04
57	148	446.67	-243.00	-18.46	-0.71	82.76	-0.93	4.62e-03
57	148	500.00	-267.66	-19.12	-0.75	-2.85	-1.28	-0.09
57	148	550.00	-279.90	-19.28	-1.68	-52.52	-1.85	-0.21
57	148	600.00	-291.52	-18.88	-0.90	-104.82	-2.47	-0.19
57	148	650.00	-302.54	-16.40	1.80	-149.25	-2.25	-0.08
57	148	700.00	-307.12	-44.13	3.38	-213.15	-0.77	-0.03
57	170	340.00	-233.26	290.53	0.44	384.76	0.14	-0.03
57	170	393.33	-233.26	290.53	0.44	384.05	0.09	-0.02
57	170	446.67	-244.31	289.65	0.30	306.51	0.33	-0.03
57	170	500.00	-253.77	288.48	0.22	233.34	0.48	-0.02
57	170	550.00	-266.24	287.04	0.10	153.08	0.63	-0.02
57	170	600.00	-277.42	285.36	-0.12	76.33	0.64	-0.02
57	170	650.00	-283.52	283.22	-0.39	-9.36	0.53	-0.03
57	170	700.00	-312.59	240.94	-0.76	-139.62	0.22	-0.03
57	173	340.00	-431.14	-264.05	0.04	-1042.87	0.04	-4.83e-03
57	173	393.33	-431.14	-264.05	0.04	-1043.58	-0.01	9.13e-04
57	173	446.67	-418.88	-262.79	0.02	-952.29	0.02	0.02
57	173	500.00	-403.98	-261.45	0.15	-854.59	0.04	0.05
57	173	550.00	-394.22	-259.94	0.66	-774.32	0.16	0.09
57	173	600.00	-383.63	-258.34	0.52	-693.50	0.46	0.08
57	173	650.00	-376.43	-256.77	-0.44	-608.83	0.49	0.04
57	173	700.00	-326.14	-256.97	-0.68	-492.73	0.19	0.02
57	176	340.00	-193.71	266.66	-0.21	522.03	-0.04	0.02
57	176	393.33	-193.71	266.66	-0.21	521.33	-0.08	0.02
57	176	446.67	-211.27	265.47	-0.07	421.79	-0.14	-3.75e-03
57	176	500.00	-231.95	264.20	-0.17	314.92	-0.18	-0.04
57	176	550.00	-247.02	262.74	-0.71	224.80	-0.32	-0.10
57	176	600.00	-262.19	261.21	-0.55	132.90	-0.63	-0.09
57	176	650.00	-273.08	259.85	0.52	35.05	-0.62	-0.05
57	176	700.00	-305.00	216.72	0.94	-106.99	-0.19	-0.02
57	180	340.00	-224.74	-13.75	-1.27	160.92	-0.31	0.05
57	180	393.33	-224.74	-13.75	-1.27	160.21	-0.36	0.04
57	180	446.67	-242.44	-14.77	-0.69	89.47	-0.90	3.48e-03
57	180	500.00	-266.98	-15.44	-0.74	3.72	-1.25	-0.09
57	180	550.00	-279.18	-15.63	-1.66	-46.46	-1.82	-0.21
57	180	600.00	-290.84	-15.27	-0.90	-99.51	-2.43	-0.19
57	180	650.00	-301.97	-12.86	1.77	-145.38	-2.22	-0.08
57	180	700.00	-306.88	-40.77	3.33	-209.97	-0.76	-0.03
57	202	340.00	-230.39	296.81	0.43	403.70	0.14	-0.03
57	202	393.33	-230.39	296.81	0.43	403.00	0.09	-0.02
57	202	446.67	-241.86	295.89	0.30	322.88	0.32	-0.03
57	202	500.00	-251.75	294.69	0.21	247.18	0.47	-0.02
57	202	550.00	-264.62	293.22	0.08	164.56	0.62	-0.02
57	202	600.00	-276.16	291.51	-0.12	85.47	0.62	-0.02
57	202	650.00	-282.77	289.34	-0.38	-2.48	0.51	-0.03
57	202	700.00	-312.07	246.54	-0.74	-134.16	0.21	-0.03
57	205	340.00	-433.49	-270.83	0.03	-1060.86	0.03	-4.28e-03
57	205	393.33	-433.49	-270.83	0.03	-1061.56	-0.02	1.47e-03
57	205	446.67	-420.92	-269.54	0.01	-968.07	0.01	0.02
57	205	500.00	-405.86	-268.17	0.15	-868.53	0.03	0.05
57	205	550.00	-395.78	-266.62	0.67	-786.05	0.15	0.09
57	205	600.00	-384.82	-264.98	0.53	-702.83	0.45	0.08
57	205	650.00	-377.15	-263.36	-0.43	-615.80	0.49	0.04
57	205	700.00	-326.58	-263.05	-0.67	-498.27	0.19	0.02
57	208	340.00	-191.36	273.45	-0.20	540.02	-0.03	0.02
57	208	393.33	-191.36	273.45	-0.20	539.32	-0.08	0.02

57	208	446.67	-209.23	272.23	-0.06	437.57	-0.13	-4.32e-03
57	208	500.00	-230.06	270.92	-0.17	328.86	-0.16	-0.05
57	208	550.00	-245.46	269.42	-0.72	236.53	-0.31	-0.10
57	208	600.00	-261.00	267.85	-0.56	142.23	-0.62	-0.09
57	208	650.00	-272.36	266.44	0.51	42.02	-0.62	-0.05
57	208	700.00	-304.56	222.79	0.93	-101.45	-0.19	-0.02
57	212	340.00	-208.64	-13.80	-1.46	241.42	-0.37	0.05
57	212	393.33	-208.64	-13.80	-1.46	240.71	-0.41	0.05
57	212	446.67	-228.94	-15.02	-0.80	158.09	-1.04	2.02e-03
57	212	500.00	-257.44	-15.82	-0.86	57.24	-1.44	-0.11
57	212	550.00	-271.27	-16.07	-1.94	-1.30	-2.10	-0.25
57	212	600.00	-284.61	-15.68	-1.06	-63.32	-2.82	-0.22
57	212	650.00	-297.45	-12.91	2.06	-117.23	-2.58	-0.09
57	212	700.00	-305.17	-42.07	3.87	-191.65	-0.89	-0.03
57	234	340.00	-214.47	352.14	0.52	530.44	0.16	-0.03
57	234	393.33	-214.47	352.14	0.52	529.74	0.11	-0.03
57	234	446.67	-227.72	351.03	0.36	434.88	0.39	-0.04
57	234	500.00	-239.01	349.59	0.25	345.47	0.57	-0.03
57	234	550.00	-253.91	347.85	0.09	247.92	0.74	-0.02
57	234	600.00	-267.28	345.82	-0.15	154.68	0.74	-0.03
57	234	650.00	-274.91	343.24	-0.45	51.15	0.60	-0.04
57	234	700.00	-311.24	296.44	-0.88	-102.29	0.25	-0.04
57	237	340.00	-455.98	-322.33	0.04	-1211.15	0.04	-5.78e-03
57	237	393.33	-455.98	-322.33	0.04	-1211.85	-0.01	5.10e-04
57	237	446.67	-440.59	-320.80	0.01	-1100.04	0.02	0.02
57	237	500.00	-422.27	-319.18	0.17	-981.15	0.04	0.06
57	237	550.00	-409.76	-317.34	0.79	-882.11	0.19	0.11
57	237	600.00	-396.32	-315.40	0.63	-782.14	0.54	0.10
57	237	650.00	-386.80	-313.49	-0.51	-677.33	0.58	0.05
57	237	700.00	-328.69	-309.03	-0.81	-535.97	0.22	0.02
57	240	340.00	-168.87	324.94	-0.22	690.31	-0.04	0.02
57	240	393.33	-168.87	324.94	-0.22	689.61	-0.08	0.02
57	240	446.67	-189.56	323.49	-0.06	569.54	-0.14	-6.73e-03
57	240	500.00	-213.66	321.92	-0.19	441.49	-0.17	-0.05
57	240	550.00	-231.48	320.14	-0.84	332.59	-0.34	-0.12
57	240	600.00	-249.51	318.26	-0.65	221.54	-0.71	-0.11
57	240	650.00	-262.70	316.57	0.59	103.55	-0.71	-0.05
57	240	700.00	-302.45	268.77	1.07	-63.75	-0.22	-0.03
57	261	340.00	-226.20	1.20	-0.02	-162.48	0.0	9.45e-03
57	261	393.33	-226.20	1.20	-0.02	-163.13	-0.01	0.01
57	261	446.67	-227.19	1.22	0.01	-167.09	-4.88e-03	8.23e-03
57	261	500.00	-228.42	1.24	-9.30e-03	-171.43	-9.84e-03	2.42e-03
57	261	550.00	-229.54	1.25	-0.06	-175.94	-0.04	-4.69e-03
57	261	600.00	-230.44	1.28	-0.05	-180.81	-0.07	-5.92e-03
57	261	650.00	-231.05	1.34	0.03	-186.32	-0.06	-1.88e-03
57	261	700.00	-222.87	-10.73	0.11	-196.54	-1.11e-03	-2.37e-04
57	264	340.00	-351.67	2.35	-0.06	-292.30	0.0	0.01
57	264	393.33	-351.67	2.35	-0.06	-293.56	-0.03	0.02
57	264	446.67	-355.48	2.39	-9.58e-04	-299.83	-0.03	0.01
57	264	500.00	-359.58	2.42	-0.01	-306.80	-0.04	3.81e-03
57	264	550.00	-363.40	2.45	-0.08	-314.10	-0.08	-5.52e-03
57	264	600.00	-366.78	2.49	-0.06	-322.05	-0.11	-7.69e-03
57	264	650.00	-369.65	2.61	0.05	-331.15	-0.09	-3.20e-03
57	264	700.00	-359.66	-21.03	0.17	-345.88	-1.29e-03	-1.25e-03
57	268	340.00	-399.27	-8.47	-0.12	-370.86	0.0	9.69e-03
57	268	393.33	-399.27	-8.47	-0.12	-366.35	-0.07	0.01
57	268	446.67	-403.26	-8.07	-0.04	-368.94	-0.09	8.80e-03
57	268	500.00	-407.52	-7.52	-0.02	-372.41	-0.09	3.91e-03
57	268	550.00	-411.47	-6.92	-0.03	-376.74	-0.11	-2.12e-03
57	268	600.00	-414.97	-6.33	-0.01	-381.91	-0.12	-5.00e-03
57	268	650.00	-417.92	-5.72	0.06	-388.52	-0.09	-4.34e-03
57	268	700.00	-406.58	-33.15	0.18	-401.86	-4.90e-04	-3.32e-03
57	275	340.00	-330.98	-16.12	-0.10	-315.71	0.0	7.89e-03
57	275	393.33	-330.98	-16.12	-0.10	-307.12	-0.05	0.01
57	275	446.67	-333.26	-15.50	-0.03	-306.43	-0.07	7.30e-03
57	275	500.00	-335.77	-14.62	-0.01	-306.58	-0.08	3.42e-03
57	275	550.00	-338.09	-13.65	-0.02	-307.78	-0.09	-1.29e-03
57	275	600.00	-340.11	-12.70	-8.54e-03	-309.71	-0.09	-3.62e-03
57	275	650.00	-341.71	-11.81	0.04	-312.92	-0.07	-3.29e-03
57	275	700.00	-331.42	-33.51	0.14	-323.13	-3.77e-04	-2.53e-03
57	298	340.00	-326.25	1.44	-0.09	-275.02	0.0	7.67e-03
57	298	393.33	-326.25	1.44	-0.09	-275.79	-0.05	0.01
57	298	446.67	-329.25	1.48	-0.03	-280.18	-0.06	6.80e-03
57	298	500.00	-332.49	1.51	-0.01	-285.07	-0.07	2.83e-03
57	298	550.00	-335.48	1.53	-0.03	-290.31	-0.08	-2.15e-03

57	298	600.00	-338.08	1.57	-0.01	-296.21	-0.09	-4.40e-03
57	298	650.00	-340.20	1.68	0.04	-303.23	-0.07	-3.68e-03
57	298	700.00	-330.92	-21.60	0.14	-316.88	-4.35e-04	-2.72e-03
57	304	340.00	-228.82	0.66	-0.05	-170.77	0.0	5.84e-03
57	304	393.33	-228.82	0.66	-0.05	-171.12	-0.03	7.91e-03
57	304	446.67	-229.48	0.68	-0.01	-173.94	-0.04	5.07e-03
57	304	500.00	-230.34	0.70	-8.59e-03	-177.04	-0.04	1.83e-03
57	304	550.00	-231.08	0.72	-0.03	-180.35	-0.05	-2.18e-03
57	304	600.00	-231.62	0.74	-0.02	-184.03	-0.06	-3.71e-03
57	304	650.00	-231.86	0.81	0.03	-188.35	-0.05	-2.73e-03
57	304	700.00	-223.32	-11.17	0.10	-197.47	-4.35e-04	-1.79e-03
57	305	340.00	-311.77	1.44	-0.08	-258.35	0.0	8.18e-03
57	305	393.33	-311.77	1.44	-0.08	-259.12	-0.04	0.01
57	305	446.67	-314.50	1.48	-0.02	-263.54	-0.05	7.23e-03
57	305	500.00	-317.49	1.51	-0.01	-268.43	-0.06	2.81e-03
57	305	550.00	-320.24	1.53	-0.04	-273.66	-0.08	-2.69e-03
57	305	600.00	-322.62	1.57	-0.02	-279.50	-0.09	-4.78e-03
57	305	650.00	-324.55	1.67	0.04	-286.38	-0.07	-3.36e-03
57	305	700.00	-315.46	-20.02	0.13	-299.63	-5.79e-04	-2.25e-03
57	307	340.00	-313.37	-2.20	-0.09	-268.56	0.0	7.33e-03
57	307	393.33	-313.37	-2.20	-0.09	-267.39	-0.05	0.01
57	307	446.67	-315.88	-2.05	-0.03	-270.50	-0.06	6.54e-03
57	307	500.00	-318.62	-1.85	-0.01	-274.14	-0.07	2.78e-03
57	307	550.00	-321.14	-1.64	-0.02	-278.25	-0.08	-1.89e-03
57	307	600.00	-323.32	-1.42	-0.01	-283.00	-0.09	-4.07e-03
57	307	650.00	-325.06	-1.16	0.04	-288.83	-0.07	-3.50e-03
57	307	700.00	-315.67	-22.51	0.13	-301.11	-3.99e-04	-2.60e-03
57	309	340.00	-229.47	0.53	-0.06	-172.84	0.0	4.94e-03
57	309	393.33	-229.47	0.53	-0.06	-173.12	-0.03	6.70e-03
57	309	446.67	-230.05	0.55	-0.02	-175.65	-0.04	4.28e-03
57	309	500.00	-230.82	0.57	-8.41e-03	-178.44	-0.05	1.68e-03
57	309	550.00	-231.47	0.59	-0.02	-181.45	-0.06	-1.55e-03
57	309	600.00	-231.91	0.61	-7.74e-03	-184.83	-0.06	-3.15e-03
57	309	650.00	-232.06	0.67	0.03	-188.86	-0.05	-2.94e-03
57	309	700.00	-223.43	-11.28	0.09	-197.71	-2.66e-04	-2.18e-03
57	310	340.00	-312.43	1.31	-0.09	-260.42	0.0	7.28e-03
57	310	393.33	-312.43	1.31	-0.09	-261.12	-0.05	9.93e-03
57	310	446.67	-315.08	1.34	-0.02	-265.25	-0.06	6.44e-03
57	310	500.00	-317.96	1.37	-0.01	-269.83	-0.07	2.66e-03
57	310	550.00	-320.62	1.40	-0.03	-274.76	-0.08	-2.07e-03
57	310	600.00	-322.91	1.43	-0.01	-280.30	-0.09	-4.23e-03
57	310	650.00	-324.75	1.54	0.04	-286.89	-0.07	-3.57e-03
57	310	700.00	-315.57	-20.13	0.13	-299.86	-4.11e-04	-2.64e-03

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-600.19	-322.33	-1.94	-1211.85	-2.82	-0.25
	-168.87	352.14	3.87	690.31	0.74	0.11

Macro	Tipo	Angolo 1-Z (gradi)
58	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
58	4	340.00	-240.94	3.40	0.53	-14.26	-1.05	0.34
58	4	393.33	-241.00	4.11	0.53	-16.14	-0.77	0.10
58	4	446.67	-252.16	35.47	0.53	-44.69	-0.49	-9.48e-03
58	4	500.00	-250.77	35.47	0.53	-63.61	-0.20	-0.05
58	4	550.00	-249.43	35.47	0.53	-81.35	0.06	-0.05
58	4	600.00	-248.13	35.47	0.53	-99.08	0.33	-0.04
58	4	650.00	-230.73	39.14	-0.12	-105.11	0.27	0.02
58	4	700.00	-212.31	16.84	-0.53	-101.15	0.0	0.05
58	19	340.00	-87.39	1.54	0.17	-8.46	-0.30	0.09
58	19	393.33	-87.27	1.71	0.17	-9.45	-0.21	0.02
58	19	446.67	-90.28	10.28	0.17	-17.81	-0.12	-6.64e-03
58	19	500.00	-89.22	10.28	0.17	-23.30	-0.04	-0.02
58	19	550.00	-88.18	10.28	0.17	-28.44	0.05	-0.02
58	19	600.00	-87.18	10.28	0.17	-33.58	0.13	-0.01
58	19	650.00	-80.51	11.43	-0.07	-34.71	0.09	0.01
58	19	700.00	-72.99	5.03	-0.19	-32.53	0.0	0.02
58	28	340.00	-246.48	3.57	0.47	-14.87	-1.00	0.33
58	28	393.33	-246.54	4.29	0.47	-16.85	-0.75	0.11
58	28	446.67	-257.91	36.04	0.47	-45.87	-0.50	4.39e-04

58	28	500.00	-256.52	36.04	0.47	-65.09	-0.25	-0.04
58	28	550.00	-255.18	36.04	0.47	-83.11	-0.01	-0.05
58	28	600.00	-253.88	36.04	0.47	-101.12	0.22	-0.04
58	28	650.00	-235.95	39.87	-0.01	-107.17	0.22	2.14e-03
58	28	700.00	-216.79	17.24	-0.44	-102.85	0.0	0.04
58	76	340.00	-241.94	4.94	0.50	-11.58	-1.03	0.33
58	76	393.33	-241.99	5.65	0.50	-14.29	-0.76	0.10
58	76	446.67	-253.16	37.35	0.50	-43.84	-0.49	-5.35e-03
58	76	500.00	-251.77	37.35	0.50	-63.76	-0.22	-0.04
58	76	550.00	-250.43	37.35	0.50	-82.43	0.03	-0.05
58	76	600.00	-249.13	37.35	0.50	-101.10	0.28	-0.04
58	76	650.00	-231.85	40.22	-0.07	-106.91	0.25	0.01
58	76	700.00	-213.60	17.52	-0.49	-102.40	0.0	0.04
58	118	340.00	-49.46	4.75	1.31	47.97	-0.88	0.29
58	118	393.33	-48.55	5.29	1.26	45.90	-0.67	0.10
58	118	446.67	-62.60	22.92	1.16	24.85	-0.09	-7.00e-03
58	118	500.00	-72.85	22.96	0.97	-0.67	0.48	-0.05
58	118	550.00	-67.25	22.88	0.75	-18.80	0.92	-0.05
58	118	600.00	-60.89	22.50	0.54	-43.34	1.24	-0.01
58	118	650.00	-63.09	21.59	-1.21	-47.34	1.00	0.09
58	118	700.00	-67.75	9.34	-1.42	-39.76	0.29	0.09
58	119	340.00	-216.88	-1.17	-0.78	-63.19	-0.20	0.06
58	119	393.33	-217.70	-0.96	-0.73	-63.25	-0.13	9.28e-03
58	119	446.67	-215.22	14.85	-0.62	-72.61	-0.42	9.66e-04
58	119	500.00	-202.84	14.80	-0.43	-67.23	-0.71	6.95e-04
58	119	550.00	-206.37	14.88	-0.22	-67.99	-0.89	-7.24e-03
58	119	600.00	-210.73	15.27	-1.97e-04	-62.32	-0.94	-0.03
58	119	650.00	-188.86	20.11	1.13	-64.68	-0.74	-0.08
58	119	700.00	-163.23	8.53	0.89	-67.78	-0.29	-0.05
58	125	340.00	-84.12	-17.73	2.13	-30.66	-1.20	0.36
58	125	393.33	-89.54	-18.41	2.02	-25.93	-0.94	0.11
58	125	446.67	-88.81	-7.78	1.81	-34.10	9.98e-03	-0.04
58	125	500.00	-82.39	-7.66	1.47	-24.00	0.87	-0.09
58	125	550.00	-86.04	-7.66	1.10	-24.62	1.53	-0.09
58	125	600.00	-85.63	-8.14	0.71	-22.11	1.99	-0.04
58	125	650.00	-79.29	2.21	-2.01	-26.94	1.58	0.11
58	125	700.00	-70.57	-2.46	-2.17	-30.26	0.48	0.11
58	140	340.00	-109.75	63.80	-0.36	117.82	-0.12	0.08
58	140	393.33	-90.85	65.05	-0.32	96.62	-9.72e-04	0.03
58	140	446.67	-113.79	93.48	-0.27	67.04	-0.20	0.01
58	140	500.00	-129.08	93.17	-0.21	-1.44	-0.29	9.66e-03
58	140	550.00	-112.45	92.88	-0.15	-30.46	-0.39	-3.93e-03
58	140	600.00	-110.61	92.66	-0.06	-69.52	-0.45	-0.03
58	140	650.00	-108.39	60.25	0.67	-75.27	-0.33	-0.07
58	140	700.00	-110.13	35.10	0.32	-64.58	-0.14	-0.04
58	150	340.00	-39.00	5.17	1.44	54.98	-0.92	0.30
58	150	393.33	-37.97	5.73	1.38	52.77	-0.71	0.11
58	150	446.67	-53.09	23.46	1.26	30.95	-0.07	-7.46e-03
58	150	500.00	-64.80	23.52	1.05	3.45	0.55	-0.05
58	150	550.00	-58.61	23.42	0.81	-15.76	1.03	-0.05
58	150	600.00	-51.53	22.99	0.57	-42.28	1.37	-0.01
58	150	650.00	-55.26	21.70	-1.36	-46.37	1.11	0.10
58	150	700.00	-61.88	9.40	-1.56	-38.04	0.32	0.10
58	151	340.00	-227.34	-1.59	-0.91	-70.21	-0.16	0.05
58	151	393.33	-228.29	-1.40	-0.85	-70.12	-0.10	3.67e-03
58	151	446.67	-224.73	14.30	-0.73	-78.71	-0.44	1.42e-03
58	151	500.00	-210.89	14.25	-0.52	-71.35	-0.79	3.46e-03
58	151	550.00	-215.01	14.34	-0.28	-71.03	-1.00	-4.96e-03
58	151	600.00	-220.09	14.77	-0.03	-63.39	-1.07	-0.03
58	151	650.00	-196.69	20.00	1.28	-65.66	-0.85	-0.09
58	151	700.00	-169.11	8.47	1.04	-69.50	-0.32	-0.05
58	157	340.00	-78.12	-20.29	2.36	-33.80	-1.28	0.39
58	157	393.33	-84.26	-21.11	2.24	-28.32	-1.01	0.12
58	157	446.67	-82.68	-11.25	2.00	-35.58	0.04	-0.05
58	157	500.00	-75.59	-11.12	1.62	-22.86	0.99	-0.10
58	157	550.00	-79.85	-11.11	1.21	-22.36	1.72	-0.09
58	157	600.00	-79.51	-11.66	0.77	-18.28	2.21	-0.04
58	157	650.00	-73.57	-0.19	-2.25	-23.29	1.76	0.13
58	157	700.00	-65.03	-3.93	-2.41	-27.33	0.54	0.12
58	172	340.00	-106.56	71.95	-0.44	134.33	-0.06	0.06
58	172	393.33	-85.19	73.31	-0.39	110.48	0.05	0.02
58	172	446.67	-110.38	103.28	-0.34	79.01	-0.19	0.01
58	172	500.00	-127.73	102.93	-0.28	2.94	-0.31	0.01
58	172	550.00	-109.05	102.60	-0.20	-28.62	-0.44	-1.06e-03
58	172	600.00	-107.16	102.35	-0.10	-71.65	-0.52	-0.03

58	172	650.00	-105.97	65.42	0.77	-77.75	-0.39	-0.08
58	172	700.00	-109.36	38.53	0.39	-65.93	-0.16	-0.05
58	182	340.00	-39.53	5.41	1.41	54.97	-0.92	0.30
58	182	393.33	-38.42	5.95	1.36	52.66	-0.70	0.11
58	182	446.67	-53.75	23.64	1.24	30.60	-0.08	-7.24e-03
58	182	500.00	-65.66	23.69	1.03	2.97	0.54	-0.05
58	182	550.00	-59.36	23.60	0.80	-16.10	1.01	-0.05
58	182	600.00	-52.06	23.19	0.56	-43.05	1.34	-0.01
58	182	650.00	-55.84	21.77	-1.33	-47.05	1.09	0.10
58	182	700.00	-62.74	9.46	-1.53	-38.35	0.32	0.10
58	183	340.00	-226.80	-1.83	-0.88	-70.19	-0.17	0.05
58	183	393.33	-227.84	-1.63	-0.82	-70.02	-0.10	4.41e-03
58	183	446.67	-224.07	14.13	-0.70	-78.36	-0.44	1.20e-03
58	183	500.00	-210.02	14.08	-0.50	-70.87	-0.77	2.56e-03
58	183	550.00	-214.26	14.17	-0.26	-70.69	-0.97	-5.73e-03
58	183	600.00	-219.56	14.57	-0.03	-62.62	-1.04	-0.03
58	183	650.00	-196.12	19.93	1.24	-64.97	-0.82	-0.08
58	183	700.00	-168.24	8.41	1.00	-69.19	-0.32	-0.05
58	189	340.00	-79.63	-20.82	2.32	-35.29	-1.28	0.38
58	189	393.33	-85.95	-21.66	2.21	-29.61	-1.00	0.12
58	189	446.67	-84.23	-11.86	1.97	-36.77	0.03	-0.05
58	189	500.00	-77.12	-11.72	1.60	-23.72	0.97	-0.10
58	189	550.00	-81.53	-11.71	1.20	-23.18	1.69	-0.09
58	189	600.00	-81.10	-12.24	0.77	-18.71	2.18	-0.04
58	189	650.00	-74.91	-0.41	-2.22	-23.62	1.73	0.13
58	189	700.00	-66.07	-4.09	-2.38	-27.74	0.53	0.12
58	204	340.00	-105.21	73.79	-0.43	138.22	-0.05	0.06
58	204	393.33	-83.27	75.19	-0.39	113.76	0.06	0.02
58	204	446.67	-108.96	105.52	-0.34	81.85	-0.18	0.01
58	204	500.00	-126.31	105.16	-0.28	4.54	-0.30	0.01
58	204	550.00	-107.16	104.82	-0.21	-27.29	-0.43	-1.01e-03
58	204	600.00	-105.58	104.55	-0.11	-71.71	-0.52	-0.03
58	204	650.00	-104.83	66.60	0.77	-78.05	-0.40	-0.08
58	204	700.00	-108.81	39.30	0.40	-65.86	-0.16	-0.05
58	221	340.00	-71.34	-25.07	2.66	-41.07	-1.40	0.42
58	221	393.33	-78.88	-26.14	2.52	-34.10	-1.10	0.13
58	221	446.67	-75.77	-17.57	2.25	-39.80	0.08	-0.05
58	221	500.00	-67.54	-17.41	1.82	-22.47	1.15	-0.11
58	221	550.00	-72.97	-17.40	1.35	-20.12	1.96	-0.10
58	221	600.00	-72.63	-18.00	0.85	-13.06	2.51	-0.05
58	221	650.00	-66.93	-4.24	-2.57	-18.21	1.99	0.15
58	221	700.00	-58.20	-6.46	-2.72	-23.45	0.61	0.14
58	226	340.00	-41.83	69.32	0.36	169.32	-0.41	0.16
58	226	393.33	-21.21	70.68	0.39	146.21	-0.26	0.03
58	226	446.67	-51.63	100.06	0.39	111.99	-0.17	-0.01
58	226	500.00	-49.09	99.78	0.33	56.51	0.09	-0.03
58	226	550.00	-56.83	99.43	0.24	-10.88	0.23	-0.04
58	226	600.00	-48.44	98.96	0.22	-59.52	0.45	-0.04
58	226	650.00	-55.79	62.20	-0.23	-66.11	0.34	-0.02
58	226	700.00	-68.01	36.57	-0.57	-51.90	0.08	-3.38e-04
58	227	340.00	-224.50	-65.74	0.17	-184.54	-0.68	0.20
58	227	393.33	-245.05	-66.35	0.15	-163.57	-0.54	0.08
58	227	446.67	-226.19	-62.30	0.14	-159.75	-0.34	8.85e-03
58	227	500.00	-226.59	-62.01	0.20	-124.41	-0.32	-0.01
58	227	550.00	-216.79	-61.66	0.30	-75.90	-0.20	-0.02
58	227	600.00	-223.18	-61.19	0.31	-46.14	-0.14	-6.98e-03
58	227	650.00	-196.16	-20.50	0.15	-45.92	-0.08	0.03
58	227	700.00	-162.97	-18.70	0.05	-55.64	-0.08	0.05
58	236	340.00	-99.57	87.45	-0.56	166.08	0.04	0.04
58	236	393.33	-73.47	89.05	-0.50	137.18	0.14	0.01
58	236	446.67	-102.92	121.98	-0.45	102.10	-0.16	0.02
58	236	500.00	-123.70	121.56	-0.38	12.13	-0.33	0.02
58	236	550.00	-101.10	121.15	-0.29	-23.95	-0.51	3.56e-03
58	236	600.00	-99.52	120.83	-0.18	-75.13	-0.64	-0.03
58	236	650.00	-100.55	75.30	0.91	-82.11	-0.49	-0.09
58	236	700.00	-107.30	45.07	0.51	-68.05	-0.19	-0.07
58	244	340.00	-169.35	2.42	0.36	-10.41	-0.72	0.23
58	244	393.33	-169.37	2.91	0.36	-11.78	-0.53	0.07
58	244	446.67	-177.05	24.55	0.36	-31.55	-0.33	-6.37e-03
58	244	500.00	-175.99	24.55	0.36	-44.64	-0.14	-0.03
58	244	550.00	-174.95	24.55	0.36	-56.91	0.04	-0.04
58	244	600.00	-173.95	24.55	0.36	-69.19	0.22	-0.03
58	244	650.00	-161.66	27.10	-0.08	-73.28	0.18	0.01
58	244	700.00	-148.57	11.68	-0.37	-70.38	0.0	0.03
58	248	340.00	-94.67	1.69	0.17	-9.07	-0.32	0.10

58	248	393.33	-94.56	1.88	0.17	-10.13	-0.23	0.03
58	248	446.67	-97.94	11.35	0.17	-19.36	-0.14	-5.00e-03
58	248	500.00	-96.87	11.35	0.17	-25.41	-0.05	-0.02
58	248	550.00	-95.84	11.35	0.17	-31.09	0.03	-0.02
58	248	600.00	-94.84	11.35	0.17	-36.76	0.12	-0.01
58	248	650.00	-87.64	12.64	-0.05	-38.05	0.09	8.94e-03
58	248	700.00	-79.51	5.57	-0.18	-35.68	0.0	0.02
58	256	340.00	-173.04	2.54	0.32	-10.83	-0.69	0.22
58	256	393.33	-173.07	3.03	0.32	-12.25	-0.51	0.07
58	256	446.67	-180.89	24.92	0.32	-32.33	-0.34	2.46e-04
58	256	500.00	-179.82	24.92	0.32	-45.63	-0.17	-0.03
58	256	550.00	-178.79	24.92	0.32	-58.09	-7.47e-03	-0.03
58	256	600.00	-177.79	24.92	0.32	-70.55	0.15	-0.03
58	256	650.00	-165.14	27.59	-6.81e-03	-74.65	0.15	1.52e-03
58	256	700.00	-151.55	11.94	-0.30	-71.52	0.0	0.02
58	280	340.00	-170.02	3.45	0.35	-8.63	-0.71	0.23
58	280	393.33	-170.03	3.94	0.35	-10.55	-0.52	0.07
58	280	446.67	-177.72	25.79	0.35	-30.98	-0.34	-3.61e-03
58	280	500.00	-176.66	25.79	0.35	-44.74	-0.15	-0.03
58	280	550.00	-175.62	25.79	0.35	-57.64	0.02	-0.03
58	280	600.00	-174.62	25.79	0.35	-70.53	0.19	-0.03
58	280	650.00	-162.40	27.82	-0.05	-74.47	0.17	8.02e-03
58	280	700.00	-149.42	12.13	-0.34	-71.22	0.0	0.03
58	298	340.00	-139.24	1.80	0.29	-7.33	-0.59	0.19
58	298	393.33	-139.21	2.20	0.29	-8.39	-0.43	0.06
58	298	446.67	-145.38	20.10	0.29	-24.56	-0.28	-3.30e-03
58	298	500.00	-144.32	20.10	0.29	-35.28	-0.12	-0.02
58	298	550.00	-143.28	20.10	0.29	-45.33	0.02	-0.03
58	298	600.00	-142.28	20.10	0.29	-55.39	0.16	-0.02
58	298	650.00	-132.04	22.17	-0.05	-58.88	0.14	7.23e-03
58	298	700.00	-121.21	9.47	-0.28	-56.68	0.0	0.02
58	302	340.00	-96.31	1.74	0.15	-9.25	-0.30	0.10
58	302	393.33	-96.20	1.93	0.15	-10.34	-0.22	0.03
58	302	446.67	-99.64	11.52	0.15	-19.71	-0.14	-2.06e-03
58	302	500.00	-98.58	11.52	0.15	-25.85	-0.06	-0.01
58	302	550.00	-97.54	11.52	0.15	-31.61	0.01	-0.01
58	302	600.00	-96.54	11.52	0.15	-37.37	0.09	-0.01
58	302	650.00	-89.19	12.85	-0.02	-38.66	0.08	3.89e-03
58	302	700.00	-80.84	5.69	-0.15	-36.19	0.0	0.01
58	309	340.00	-96.72	1.75	0.15	-9.30	-0.30	0.10
58	309	393.33	-96.61	1.95	0.14	-10.39	-0.22	0.03
58	309	446.67	-100.07	11.56	0.15	-19.80	-0.14	-1.33e-03
58	309	500.00	-99.00	11.56	0.15	-25.96	-0.07	-0.01
58	309	550.00	-97.97	11.56	0.15	-31.74	7.28e-03	-0.01
58	309	600.00	-96.97	11.56	0.15	-37.52	0.08	-0.01
58	309	650.00	-89.57	12.91	-0.01	-38.81	0.07	2.62e-03
58	309	700.00	-81.17	5.72	-0.15	-36.31	0.0	0.01
58	310	340.00	-133.17	1.79	0.27	-7.61	-0.54	0.18
58	310	393.33	-133.13	2.16	0.27	-8.68	-0.40	0.05
58	310	446.67	-138.91	18.88	0.27	-23.88	-0.26	-3.02e-03
58	310	500.00	-137.84	18.88	0.27	-33.95	-0.12	-0.02
58	310	550.00	-136.81	18.88	0.27	-43.39	0.02	-0.03
58	310	600.00	-135.81	18.88	0.27	-52.83	0.15	-0.02
58	310	650.00	-125.98	20.85	-0.04	-56.01	0.13	6.57e-03
58	310	700.00	-115.49	8.94	-0.26	-53.77	0.0	0.02

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-257.91	-66.35	-2.72	-184.54	-1.40	-0.11
	-21.21	121.98	2.66	169.32	2.51	0.42

Macro	Tipo	Angolo 1-Z (gradi)
59	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
59	44	340.00	-6.24	-18.10	-0.18	-8.89	0.0	0.20
59	44	393.33	-0.77	-13.91	-0.04	5.63	-0.09	0.22
59	44	393.33	-0.77	-13.91	-0.04	5.63	-0.09	0.22
59	44	393.33	-0.77	-13.91	-0.04	5.63	-0.09	0.22
59	44	446.67	1.54	-14.38	0.13	7.13	-0.01	-0.10
59	44	446.67	1.54	-14.38	0.13	7.13	-0.01	-0.10
59	51	340.00	-4.75	-22.36	-1.04e-04	-9.88	0.0	7.80e-04

59	51	393.33	0.40	-16.96	-1.17e-04	6.56	1.69e-05	8.12e-04
59	51	393.33	0.40	-16.96	-1.17e-04	6.56	1.69e-05	8.12e-04
59	51	393.33	0.40	-16.96	-1.17e-04	6.56	1.69e-05	8.12e-04
59	51	446.67	2.15	-17.77	-8.99e-05	8.85	5.61e-05	2.74e-04
59	51	446.67	2.15	-17.77	-8.99e-05	8.85	5.61e-05	2.74e-04
59	52	340.00	-5.82	-23.44	-9.79e-05	-10.30	0.0	8.11e-04
59	52	393.33	-0.21	-18.01	-1.22e-04	7.15	2.43e-05	8.49e-04
59	52	393.33	-0.21	-18.01	-1.22e-04	7.15	2.43e-05	8.49e-04
59	52	393.33	-0.21	-18.01	-1.22e-04	7.15	2.43e-05	8.49e-04
59	52	446.67	2.06	-18.58	-9.21e-05	9.26	6.10e-05	3.17e-04
59	52	446.67	2.06	-18.58	-9.21e-05	9.26	6.10e-05	3.17e-04
59	83	340.00	-7.92	-17.30	-8.19e-05	-9.38	0.0	5.67e-04
59	83	393.33	-1.47	-13.34	-1.84e-04	5.71	3.58e-06	6.71e-04
59	83	393.33	-1.47	-13.34	-1.84e-04	5.71	3.58e-06	6.71e-04
59	83	393.33	-1.47	-13.34	-1.84e-04	5.71	3.58e-06	6.71e-04
59	83	446.67	1.39	-13.76	1.20e-04	6.79	2.67e-05	2.79e-04
59	83	446.67	1.39	-13.76	1.20e-04	6.79	2.67e-05	2.79e-04
59	113	340.00	0.75	-44.39	0.18	2.84	0.05	0.05
59	113	393.33	8.31	-50.02	0.07	37.51	0.07	0.04
59	113	393.33	8.31	-50.02	0.07	37.51	0.07	0.04
59	113	393.33	8.31	-50.02	0.07	37.51	0.07	0.04
59	113	446.67	0.61	-39.74	0.25	3.88	0.03	0.04
59	113	446.67	0.61	-39.74	0.25	3.88	0.03	0.04
59	129	340.00	5.31	-75.46	0.06	10.71	0.01	0.04
59	129	393.33	16.82	-88.76	5.60e-03	69.11	0.02	0.04
59	129	393.33	16.82	-88.76	5.60e-03	69.11	0.02	0.04
59	129	393.33	16.82	-88.76	5.60e-03	69.11	0.02	0.04
59	129	446.67	0.31	-68.52	0.02	3.26	0.01	0.04
59	129	446.67	0.31	-68.52	0.02	3.26	0.01	0.04
59	132	340.00	-13.33	53.59	-0.06	-22.08	-0.01	-0.04
59	132	393.33	-17.71	72.20	-5.80e-03	-62.51	-0.02	-0.04
59	132	393.33	-17.71	72.20	-5.80e-03	-62.51	-0.02	-0.04
59	132	393.33	-17.71	72.20	-5.80e-03	-62.51	-0.02	-0.04
59	132	446.67	1.62	51.06	-0.02	5.36	-0.01	-0.04
59	132	446.67	1.62	51.06	-0.02	5.36	-0.01	-0.04
59	145	340.00	1.38	-48.83	0.20	3.97	0.05	0.05
59	145	393.33	9.47	-55.56	0.08	42.04	0.08	0.04
59	145	393.33	9.47	-55.56	0.08	42.04	0.08	0.04
59	145	393.33	9.47	-55.56	0.08	42.04	0.08	0.04
59	145	446.67	0.57	-43.85	0.28	3.83	0.04	0.05
59	145	446.67	0.57	-43.85	0.28	3.83	0.04	0.05
59	161	340.00	6.55	-84.05	0.07	12.88	0.02	0.05
59	161	393.33	19.12	-99.47	6.07e-03	77.86	0.03	0.05
59	161	393.33	19.12	-99.47	6.07e-03	77.86	0.03	0.05
59	161	393.33	19.12	-99.47	6.07e-03	77.86	0.03	0.05
59	161	446.67	0.24	-76.48	0.02	3.14	0.01	0.05
59	161	446.67	0.24	-76.48	0.02	3.14	0.01	0.05
59	164	340.00	-14.58	62.18	-0.07	-24.26	-0.02	-0.04
59	164	393.33	-20.01	82.91	-6.27e-03	-71.26	-0.03	-0.05
59	164	393.33	-20.01	82.91	-6.27e-03	-71.26	-0.03	-0.05
59	164	393.33	-20.01	82.91	-6.27e-03	-71.26	-0.03	-0.05
59	164	446.67	1.69	59.02	-0.02	5.49	-0.01	-0.04
59	164	446.67	1.69	59.02	-0.02	5.49	-0.01	-0.04
59	177	340.00	1.59	-50.17	0.20	4.30	0.05	0.05
59	177	393.33	9.83	-57.24	0.08	43.40	0.08	0.04
59	177	393.33	9.83	-57.24	0.08	43.40	0.08	0.04
59	177	393.33	9.83	-57.24	0.08	43.40	0.08	0.04
59	177	446.67	0.60	-45.09	0.27	3.85	0.04	0.05
59	177	446.67	0.60	-45.09	0.27	3.85	0.04	0.05
59	193	340.00	7.00	-86.83	0.07	13.55	0.02	0.05
59	193	393.33	19.90	-102.96	4.44e-03	80.64	0.03	0.05
59	193	393.33	19.90	-102.96	4.44e-03	80.64	0.03	0.05
59	193	393.33	19.90	-102.96	4.44e-03	80.64	0.03	0.05
59	193	446.67	0.32	-79.06	0.02	3.20	0.01	0.05
59	193	446.67	0.32	-79.06	0.02	3.20	0.01	0.05
59	196	340.00	-15.02	64.96	-0.07	-24.93	-0.02	-0.05
59	196	393.33	-20.79	86.40	-4.63e-03	-74.05	-0.03	-0.05
59	196	393.33	-20.79	86.40	-4.63e-03	-74.05	-0.03	-0.05
59	196	393.33	-20.79	86.40	-4.63e-03	-74.05	-0.03	-0.05
59	196	446.67	1.62	61.60	-0.02	5.43	-0.01	-0.05
59	196	446.67	1.62	61.60	-0.02	5.43	-0.01	-0.05
59	209	340.00	2.72	-58.10	0.23	6.31	0.06	0.06
59	209	393.33	11.90	-67.14	0.09	51.50	0.09	0.05
59	209	393.33	11.90	-67.14	0.09	51.50	0.09	0.05
59	209	393.33	11.90	-67.14	0.09	51.50	0.09	0.05

59	209	446.67	0.54	-52.45	0.32	3.77	0.04	0.06
59	209	446.67	0.54	-52.45	0.32	3.77	0.04	0.06
59	225	340.00	9.27	-102.39	0.08	17.49	0.02	0.05
59	225	393.33	24.08	-122.37	4.09e-03	96.49	0.03	0.06
59	225	393.33	24.08	-122.37	4.09e-03	96.49	0.03	0.06
59	225	393.33	24.08	-122.37	4.09e-03	96.49	0.03	0.06
59	225	446.67	0.21	-93.48	0.02	2.99	0.02	0.05
59	225	446.67	0.21	-93.48	0.02	2.99	0.02	0.05
59	228	340.00	-17.29	80.52	-0.08	-28.86	-0.02	-0.05
59	228	393.33	-24.97	105.81	-4.28e-03	-89.89	-0.03	-0.06
59	228	393.33	-24.97	105.81	-4.28e-03	-89.89	-0.03	-0.06
59	228	393.33	-24.97	105.81	-4.28e-03	-89.89	-0.03	-0.06
59	228	446.67	1.72	76.02	-0.02	5.63	-0.02	-0.05
59	228	446.67	1.72	76.02	-0.02	5.63	-0.02	-0.05
59	264	340.00	-4.59	-12.63	-0.12	-6.26	0.0	0.13
59	264	393.33	-0.69	-9.72	-0.03	3.94	-0.06	0.14
59	264	393.33	-0.69	-9.72	-0.03	3.94	-0.06	0.14
59	264	393.33	-0.69	-9.72	-0.03	3.94	-0.06	0.14
59	264	446.67	1.03	-10.03	0.08	4.97	-9.57e-03	-0.07
59	264	446.67	1.03	-10.03	0.08	4.97	-9.57e-03	-0.07
59	267	340.00	-3.59	-15.47	-7.11e-05	-6.92	0.0	5.41e-04
59	267	393.33	0.10	-11.76	-8.43e-05	4.55	1.23e-05	5.68e-04
59	267	393.33	0.10	-11.76	-8.43e-05	4.55	1.23e-05	5.68e-04
59	267	393.33	0.10	-11.76	-8.43e-05	4.55	1.23e-05	5.68e-04
59	267	446.67	1.44	-12.29	-5.86e-05	6.12	3.87e-05	1.99e-04
59	267	446.67	1.44	-12.29	-5.86e-05	6.12	3.87e-05	1.99e-04
59	268	340.00	-4.31	-16.19	-6.72e-05	-7.20	0.0	5.62e-04
59	268	393.33	-0.31	-12.46	-8.73e-05	4.94	1.72e-05	5.92e-04
59	268	393.33	-0.31	-12.46	-8.73e-05	4.94	1.72e-05	5.92e-04
59	268	393.33	-0.31	-12.46	-8.73e-05	4.94	1.72e-05	5.92e-04
59	268	446.67	1.38	-12.83	-6.01e-05	6.39	4.20e-05	2.28e-04
59	268	446.67	1.38	-12.83	-6.01e-05	6.39	4.20e-05	2.28e-04
59	283	340.00	-5.71	-12.09	-5.65e-05	-6.59	0.0	3.99e-04
59	283	393.33	-1.15	-9.34	-1.29e-04	3.98	3.38e-06	4.73e-04
59	283	393.33	-1.15	-9.34	-1.29e-04	3.98	3.38e-06	4.73e-04
59	283	393.33	-1.15	-9.34	-1.29e-04	3.98	3.38e-06	4.73e-04
59	283	446.67	0.93	-9.62	8.13e-05	4.74	1.91e-05	2.02e-04
59	283	446.67	0.93	-9.62	8.13e-05	4.74	1.91e-05	2.02e-04
59	298	340.00	-4.03	-11.60	-6.14e-05	-6.00	0.0	3.91e-04
59	298	393.33	-0.32	-8.75	-1.03e-04	3.47	0.0	4.40e-04
59	298	393.33	-0.32	-8.75	-1.03e-04	3.47	0.0	4.40e-04
59	298	393.33	-0.32	-8.75	-1.03e-04	3.47	0.0	4.40e-04
59	298	446.67	1.07	-9.26	3.43e-05	4.58	2.06e-05	1.55e-04
59	298	446.67	1.07	-9.26	3.43e-05	4.58	2.06e-05	1.55e-04
59	301	340.00	-4.30	-11.22	-5.46e-05	-5.80	0.0	3.72e-04
59	301	393.33	-0.61	-8.56	-9.68e-05	3.46	3.16e-06	4.17e-04
59	301	393.33	-0.61	-8.56	-9.68e-05	3.46	3.16e-06	4.17e-04
59	301	393.33	-0.61	-8.56	-9.68e-05	3.46	3.16e-06	4.17e-04
59	301	446.67	0.95	-8.94	3.14e-05	4.42	2.12e-05	1.57e-04
59	301	446.67	0.95	-8.94	3.14e-05	4.42	2.12e-05	1.57e-04
59	305	340.00	-3.98	-11.00	-0.02	-5.68	0.0	0.03
59	305	393.33	-0.44	-8.34	-5.91e-03	3.31	-0.01	0.03
59	305	393.33	-0.44	-8.34	-5.91e-03	3.31	-0.01	0.03
59	305	393.33	-0.44	-8.34	-5.91e-03	3.31	-0.01	0.03
59	305	446.67	0.97	-8.78	0.02	4.34	-1.90e-03	-0.01
59	305	446.67	0.97	-8.78	0.02	4.34	-1.90e-03	-0.01
59	310	340.00	-4.01	-10.93	-5.62e-05	-5.69	0.0	3.64e-04
59	310	393.33	-0.44	-8.28	-9.55e-05	3.30	1.18e-06	4.08e-04
59	310	393.33	-0.44	-8.28	-9.55e-05	3.30	1.18e-06	4.08e-04
59	310	393.33	-0.44	-8.28	-9.55e-05	3.30	1.18e-06	4.08e-04
59	310	446.67	0.97	-8.73	3.20e-05	4.31	1.99e-05	1.46e-04
59	310	446.67	0.97	-8.73	3.20e-05	4.31	1.99e-05	1.46e-04

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-24.97	-122.37	-0.18	-89.89	-0.09	-0.10
			24.08	105.81	0.32	96.49	0.09	0.22

Macro	Tipo	Angolo 1-Z (gradi)
60	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m

60	19	340.00	-19.47	-0.98	0.06	-1.27	-0.03	-3.48e-03
60	19	393.33	-19.25	-0.90	0.06	-0.61	3.49e-03	3.66e-03
60	19	393.33	-19.25	-0.90	0.06	-0.61	3.49e-03	3.66e-03
60	19	446.67	-19.25	-0.57	1.78e-03	-0.18	4.59e-03	3.37e-04
60	19	446.67	-19.25	-0.57	1.78e-03	-0.18	4.59e-03	3.37e-04
60	19	500.00	-18.61	-0.55	2.02e-03	0.17	5.66e-03	2.37e-05
60	19	550.00	-17.93	-0.55	1.53e-03	0.45	6.43e-03	-6.04e-04
60	19	600.00	-17.26	-0.54	9.32e-04	0.71	6.90e-03	-1.33e-03
60	19	650.00	-15.95	-0.93	2.70e-04	1.56	7.03e-03	-2.09e-03
60	19	700.00	-13.87	-1.01	-0.01	1.38	0.0	-2.63e-03
60	28	340.00	-55.71	-4.73	0.22	-4.31	-0.02	0.01
60	28	393.33	-55.45	-4.63	0.23	-1.60	0.09	0.02
60	28	393.33	-55.45	-4.63	0.23	-1.60	0.09	0.02
60	28	446.67	-54.40	-4.76	-0.14	0.08	0.02	-0.01
60	28	446.67	-54.40	-4.76	-0.14	0.08	0.02	-0.01
60	28	500.00	-51.70	-4.74	-0.05	1.14	-6.74e-03	-5.48e-03
60	28	550.00	-49.15	-4.73	-6.61e-03	2.13	-0.01	-1.99e-03
60	28	600.00	-46.70	-4.71	8.84e-03	3.17	-5.62e-03	4.86e-06
60	28	650.00	-43.07	-5.45	6.09e-03	5.30	-2.57e-03	6.57e-04
60	28	700.00	-38.18	-4.53	5.14e-03	4.18	0.0	7.06e-04
60	68	340.00	-47.57	-6.21	0.20	-7.47	-0.03	7.48e-03
60	68	393.33	-47.27	-6.25	0.21	-3.97	0.07	0.02
60	68	393.33	-47.27	-6.25	0.21	-3.97	0.07	0.02
60	68	446.67	-46.08	-7.37	-0.11	-1.03	0.02	-8.31e-03
60	68	446.67	-46.08	-7.37	-0.11	-1.03	0.02	-8.31e-03
60	68	500.00	-43.24	-7.37	-0.03	1.31	-1.43e-04	-4.02e-03
60	68	550.00	-40.52	-7.36	-3.50e-03	3.48	-1.89e-03	-2.06e-03
60	68	600.00	-37.92	-7.36	6.09e-03	5.72	1.15e-03	-1.32e-03
60	68	650.00	-35.71	-5.72	2.74e-03	6.84	2.52e-03	-1.59e-03
60	68	700.00	-32.78	-4.55	-5.05e-03	4.83	0.0	-1.58e-03
60	118	340.00	36.46	8.11	0.53	18.34	-0.52	-0.18
60	118	393.33	26.15	17.70	0.31	13.91	-0.33	-0.08
60	118	393.33	26.15	17.70	0.31	13.91	-0.33	-0.08
60	118	446.67	28.06	30.90	1.07	14.04	-0.07	-0.02
60	118	446.67	28.06	30.90	1.07	14.04	-0.07	-0.02
60	118	500.00	16.40	31.02	0.30	7.69	0.29	-2.23e-03
60	118	550.00	8.82	30.81	0.12	1.33	0.40	0.03
60	118	600.00	4.33	30.82	2.78e-03	1.68	0.42	0.05
60	118	650.00	2.53	16.57	-0.12	1.76	0.39	0.06
60	118	700.00	2.46	9.07	-0.73	0.44	0.18	0.04
60	119	340.00	-97.87	-12.80	-0.30	-22.70	0.48	0.19
60	119	393.33	-87.13	-22.23	-0.07	-15.49	0.41	0.10
60	119	393.33	-87.13	-22.23	-0.07	-15.49	0.41	0.10
60	119	446.67	-88.14	-35.13	-1.18	-13.94	0.09	6.26e-03
60	119	446.67	-88.14	-35.13	-1.18	-13.94	0.09	6.26e-03
60	119	500.00	-73.74	-35.23	-0.33	-6.45	-0.29	-2.07e-03
60	119	550.00	-63.49	-35.00	-0.12	0.94	-0.40	-0.03
60	119	600.00	-56.43	-34.99	5.22e-03	1.64	-0.41	-0.05
60	119	650.00	-50.57	-21.65	0.12	3.98	-0.38	-0.06
60	119	700.00	-44.72	-13.45	0.72	4.25	-0.18	-0.04
60	123	340.00	-94.05	-12.14	-0.48	-16.23	0.49	0.22
60	123	393.33	-87.47	-16.29	-0.22	-11.55	0.39	0.14
60	123	393.33	-87.47	-16.29	-0.22	-11.55	0.39	0.14
60	123	446.67	-88.36	-25.52	-1.31	-10.17	0.03	0.02
60	123	446.67	-88.36	-25.52	-1.31	-10.17	0.03	0.02
60	123	500.00	-76.75	-25.71	-0.38	-5.67	-0.42	8.78e-03
60	123	550.00	-61.11	-25.60	-0.14	-3.49	-0.54	-0.02
60	123	600.00	-54.74	-25.59	0.03	3.72	-0.55	-0.04
60	123	650.00	-48.11	-18.37	0.22	4.75	-0.50	-0.06
60	123	700.00	-46.13	-11.27	0.89	2.40	-0.22	-0.04
60	139	340.00	-60.11	-31.82	0.24	-55.43	0.20	0.09
60	139	393.33	-40.38	-39.91	0.37	-42.61	0.21	0.06
60	139	393.33	-40.38	-39.91	0.37	-42.61	0.21	0.06
60	139	446.67	-52.65	-57.03	-0.66	-36.40	0.11	-8.18e-03
60	139	446.67	-52.65	-57.03	-0.66	-36.40	0.11	-8.18e-03
60	139	500.00	-38.75	-57.18	-0.13	-17.25	-0.08	-6.32e-03
60	139	550.00	-28.42	-56.78	-0.05	4.22	-0.11	-0.01
60	139	600.00	-15.69	-56.69	-3.49e-03	19.27	-0.09	-0.02
60	139	650.00	-19.54	-28.97	-0.01	21.33	-0.11	-0.03
60	139	700.00	-28.60	-18.38	0.25	13.07	-0.06	-0.01
60	150	340.00	44.83	9.45	0.58	20.95	-0.59	-0.20
60	150	393.33	33.16	20.26	0.33	15.77	-0.38	-0.10
60	150	393.33	33.16	20.26	0.33	15.77	-0.38	-0.10
60	150	446.67	35.24	35.09	1.20	15.81	-0.09	-0.02
60	150	446.67	35.24	35.09	1.20	15.81	-0.09	-0.02

60	150	500.00	21.93	35.23	0.34	8.57	0.33	-2.21e-03
60	150	550.00	13.25	34.99	0.13	1.37	0.44	0.03
60	150	600.00	8.09	34.99	2.69e-03	1.68	0.47	0.05
60	150	650.00	5.80	18.96	-0.13	1.62	0.44	0.07
60	150	700.00	5.36	10.49	-0.82	0.20	0.20	0.04
60	151	340.00	-106.23	-14.14	-0.35	-25.31	0.54	0.21
60	151	393.33	-94.13	-24.78	-0.10	-17.35	0.45	0.12
60	151	393.33	-94.13	-24.78	-0.10	-17.35	0.45	0.12
60	151	446.67	-95.32	-39.32	-1.31	-15.71	0.10	7.49e-03
60	151	446.67	-95.32	-39.32	-1.31	-15.71	0.10	7.49e-03
60	151	500.00	-79.26	-39.44	-0.37	-7.33	-0.33	-2.08e-03
60	151	550.00	-67.92	-39.18	-0.14	0.90	-0.45	-0.04
60	151	600.00	-60.19	-39.17	5.31e-03	1.64	-0.46	-0.06
60	151	650.00	-53.83	-24.04	0.13	4.12	-0.43	-0.07
60	151	700.00	-47.62	-14.86	0.81	4.49	-0.20	-0.04
60	155	340.00	-101.91	-13.42	-0.55	-18.10	0.56	0.25
60	155	393.33	-94.50	-18.11	-0.26	-12.99	0.43	0.15
60	155	393.33	-94.50	-18.11	-0.26	-12.99	0.43	0.15
60	155	446.67	-95.59	-28.54	-1.46	-11.52	0.03	0.02
60	155	446.67	-95.59	-28.54	-1.46	-11.52	0.03	0.02
60	155	500.00	-82.69	-28.75	-0.43	-6.49	-0.47	0.01
60	155	550.00	-65.27	-28.63	-0.16	-4.05	-0.61	-0.02
60	155	600.00	-58.26	-28.62	0.03	4.03	-0.62	-0.04
60	155	650.00	-51.06	-20.38	0.25	5.02	-0.56	-0.07
60	155	700.00	-49.23	-12.42	1.00	2.42	-0.25	-0.04
60	171	340.00	-63.79	-35.68	0.26	-62.39	0.23	0.11
60	171	393.33	-41.51	-44.83	0.40	-48.07	0.23	0.07
60	171	393.33	-41.51	-44.83	0.40	-48.07	0.23	0.07
60	171	446.67	-55.45	-64.20	-0.74	-41.15	0.12	-8.75e-03
60	171	446.67	-55.45	-64.20	-0.74	-41.15	0.12	-8.75e-03
60	171	500.00	-39.92	-64.37	-0.15	-19.55	-0.09	-6.82e-03
60	171	550.00	-28.42	-63.92	-0.05	4.60	-0.12	-0.02
60	171	600.00	-14.23	-63.82	-4.46e-03	21.58	-0.10	-0.02
60	171	650.00	-18.87	-32.41	-0.01	23.75	-0.12	-0.03
60	171	700.00	-29.51	-20.48	0.28	14.45	-0.07	-0.01
60	182	340.00	44.20	9.55	0.57	21.05	-0.57	-0.20
60	182	393.33	32.36	20.50	0.33	15.76	-0.37	-0.09
60	182	393.33	32.36	20.50	0.33	15.76	-0.37	-0.09
60	182	446.67	34.39	35.28	1.18	15.83	-0.09	-0.02
60	182	446.67	34.39	35.28	1.18	15.83	-0.09	-0.02
60	182	500.00	20.99	35.41	0.33	8.50	0.32	-2.10e-03
60	182	550.00	12.45	35.16	0.13	1.45	0.43	0.03
60	182	600.00	7.68	35.17	3.12e-03	1.65	0.46	0.05
60	182	650.00	5.31	18.87	-0.13	1.62	0.43	0.07
60	182	700.00	4.92	10.46	-0.80	0.22	0.20	0.04
60	183	340.00	-105.61	-14.24	-0.34	-25.42	0.53	0.20
60	183	393.33	-93.34	-25.02	-0.09	-17.34	0.45	0.11
60	183	393.33	-93.34	-25.02	-0.09	-17.34	0.45	0.11
60	183	446.67	-94.46	-39.50	-1.29	-15.73	0.10	6.69e-03
60	183	446.67	-94.46	-39.50	-1.29	-15.73	0.10	6.69e-03
60	183	500.00	-78.33	-39.61	-0.36	-7.26	-0.32	-2.20e-03
60	183	550.00	-67.13	-39.35	-0.13	0.82	-0.44	-0.04
60	183	600.00	-59.78	-39.34	4.88e-03	1.67	-0.45	-0.05
60	183	650.00	-53.35	-23.94	0.13	4.12	-0.42	-0.07
60	183	700.00	-47.17	-14.84	0.79	4.47	-0.20	-0.04
60	187	340.00	-100.73	-13.70	-0.54	-18.71	0.55	0.24
60	187	393.33	-93.14	-18.42	-0.25	-13.49	0.42	0.15
60	187	393.33	-93.14	-18.42	-0.25	-13.49	0.42	0.15
60	187	446.67	-94.43	-28.91	-1.44	-11.93	0.03	0.02
60	187	446.67	-94.43	-28.91	-1.44	-11.93	0.03	0.02
60	187	500.00	-81.56	-29.11	-0.42	-6.66	-0.46	9.52e-03
60	187	550.00	-64.46	-28.99	-0.15	-3.91	-0.60	-0.02
60	187	600.00	-57.42	-28.97	0.03	4.34	-0.61	-0.04
60	187	650.00	-50.36	-20.45	0.24	5.30	-0.55	-0.07
60	187	700.00	-48.74	-12.48	0.99	2.53	-0.25	-0.04
60	203	340.00	-63.64	-36.51	0.27	-63.76	0.23	0.10
60	203	393.33	-40.81	-45.84	0.41	-49.10	0.23	0.07
60	203	393.33	-40.81	-45.84	0.41	-49.10	0.23	0.07
60	203	446.67	-55.11	-65.57	-0.73	-42.03	0.12	-9.37e-03
60	203	446.67	-55.11	-65.57	-0.73	-42.03	0.12	-9.37e-03
60	203	500.00	-39.27	-65.75	-0.15	-19.85	-0.08	-6.47e-03
60	203	550.00	-27.60	-65.28	-0.05	4.54	-0.12	-0.02
60	203	600.00	-13.34	-65.18	-4.53e-03	22.10	-0.10	-0.02
60	203	650.00	-18.25	-32.96	-0.02	24.30	-0.12	-0.03
60	203	700.00	-29.33	-20.84	0.27	14.63	-0.07	-0.01

60	214	340.00	57.12	11.69	0.65	25.16	-0.67	-0.23
60	214	393.33	43.06	24.64	0.36	18.62	-0.44	-0.11
60	214	393.33	43.06	24.64	0.36	18.62	-0.44	-0.11
60	214	446.67	45.30	41.96	1.38	18.58	-0.10	-0.02
60	214	446.67	45.30	41.96	1.38	18.58	-0.10	-0.02
60	214	500.00	29.26	42.10	0.38	9.83	0.37	-2.10e-03
60	214	550.00	19.10	41.81	0.15	1.51	0.51	0.04
60	214	600.00	13.40	41.81	3.06e-03	1.69	0.53	0.06
60	214	650.00	10.22	22.57	-0.15	1.44	0.50	0.08
60	214	700.00	9.25	12.67	-0.93	-0.13	0.23	0.05
60	215	340.00	-118.53	-16.38	-0.42	-29.52	0.62	0.24
60	215	393.33	-104.04	-29.16	-0.12	-20.20	0.51	0.13
60	215	393.33	-104.04	-29.16	-0.12	-20.20	0.51	0.13
60	215	446.67	-105.38	-46.19	-1.50	-18.47	0.12	8.36e-03
60	215	446.67	-105.38	-46.19	-1.50	-18.47	0.12	8.36e-03
60	215	500.00	-86.59	-46.31	-0.42	-8.59	-0.37	-2.20e-03
60	215	550.00	-73.77	-46.00	-0.16	0.76	-0.51	-0.04
60	215	600.00	-65.50	-45.99	4.94e-03	1.63	-0.53	-0.06
60	215	650.00	-58.25	-27.65	0.15	4.29	-0.49	-0.08
60	215	700.00	-51.51	-17.05	0.92	4.83	-0.23	-0.05
60	219	340.00	-112.15	-15.93	-0.64	-22.08	0.64	0.28
60	219	393.33	-103.12	-21.50	-0.30	-16.09	0.48	0.17
60	219	393.33	-103.12	-21.50	-0.30	-16.09	0.48	0.17
60	219	446.67	-104.88	-33.90	-1.67	-14.35	0.04	0.03
60	219	446.67	-104.88	-33.90	-1.67	-14.35	0.04	0.03
60	219	500.00	-90.01	-34.14	-0.49	-8.06	-0.53	0.01
60	219	550.00	-70.31	-34.00	-0.18	-4.69	-0.69	-0.02
60	219	600.00	-62.19	-33.98	0.04	5.03	-0.71	-0.05
60	219	650.00	-54.44	-23.64	0.28	5.95	-0.64	-0.08
60	219	700.00	-53.19	-14.33	1.15	2.68	-0.29	-0.05
60	235	340.00	-69.37	-42.95	0.30	-75.33	0.27	0.12
60	235	393.33	-42.26	-54.05	0.47	-58.17	0.26	0.08
60	235	393.33	-42.26	-54.05	0.47	-58.17	0.26	0.08
60	235	446.67	-59.34	-77.47	-0.85	-49.92	0.14	-0.01
60	235	446.67	-59.34	-77.47	-0.85	-49.92	0.14	-0.01
60	235	500.00	-40.82	-77.67	-0.17	-23.66	-0.10	-7.08e-03
60	235	550.00	-27.28	-77.12	-0.06	5.17	-0.14	-0.02
60	235	600.00	-10.64	-77.00	-6.12e-03	25.97	-0.12	-0.03
60	235	650.00	-16.91	-38.60	-0.02	28.36	-0.14	-0.03
60	235	700.00	-30.65	-24.31	0.32	16.93	-0.08	-0.01
60	248	340.00	-21.50	-1.16	0.06	-1.42	-0.02	-1.29e-03
60	248	393.33	-21.28	-1.09	0.06	-0.67	0.01	4.78e-03
60	248	393.33	-21.28	-1.09	0.06	-0.67	0.01	4.78e-03
60	248	446.67	-21.19	-0.87	-0.01	-0.17	5.41e-03	-8.61e-04
60	248	446.67	-21.19	-0.87	-0.01	-0.17	5.41e-03	-8.61e-04
60	248	500.00	-20.37	-0.86	-3.02e-03	0.19	3.80e-03	-5.24e-04
60	248	550.00	-19.54	-0.85	4.59e-04	0.50	4.03e-03	-6.74e-04
60	248	600.00	-18.72	-0.85	1.46e-03	0.79	4.76e-03	-1.04e-03
60	248	650.00	-17.25	-1.23	5.83e-04	1.68	5.05e-03	-1.57e-03
60	248	700.00	-15.02	-1.22	-0.01	1.45	0.0	-1.94e-03
60	256	340.00	-39.48	-3.24	0.15	-2.99	-0.02	8.61e-03
60	256	393.33	-39.28	-3.17	0.16	-1.13	0.07	0.01
60	256	393.33	-39.28	-3.17	0.16	-1.13	0.07	0.01
60	256	446.67	-38.56	-3.25	-0.10	0.04	0.01	-7.97e-03
60	256	446.67	-38.56	-3.25	-0.10	0.04	0.01	-7.97e-03
60	256	500.00	-36.64	-3.24	-0.03	0.77	-4.47e-03	-3.76e-03
60	256	550.00	-34.82	-3.24	-4.54e-03	1.44	-6.75e-03	-1.37e-03
60	256	600.00	-33.07	-3.22	6.05e-03	2.16	-3.72e-03	-1.91e-05
60	256	650.00	-30.47	-3.75	4.09e-03	3.66	-1.67e-03	4.14e-04
60	256	700.00	-26.94	-3.12	3.35e-03	2.89	0.0	4.49e-04
60	276	340.00	-34.06	-4.22	0.14	-5.10	-0.02	5.27e-03
60	276	393.33	-33.83	-4.25	0.14	-2.70	0.05	0.01
60	276	393.33	-33.83	-4.25	0.14	-2.70	0.05	0.01
60	276	446.67	-33.02	-5.00	-0.07	-0.70	0.01	-5.76e-03
60	276	446.67	-33.02	-5.00	-0.07	-0.70	0.01	-5.76e-03
60	276	500.00	-31.00	-4.99	-0.02	0.88	-7.95e-05	-2.79e-03
60	276	550.00	-29.07	-4.99	-2.47e-03	2.34	-1.32e-03	-1.42e-03
60	276	600.00	-27.22	-4.99	4.22e-03	3.86	7.94e-04	-9.02e-04
60	276	650.00	-25.56	-3.93	1.86e-03	4.68	1.72e-03	-1.08e-03
60	276	700.00	-23.34	-3.14	-3.44e-03	3.32	0.0	-1.07e-03
60	298	340.00	-31.94	-2.53	0.12	-2.30	-0.02	3.14e-03
60	298	393.33	-31.73	-2.43	0.13	-0.81	0.04	0.01
60	298	393.33	-31.73	-2.43	0.13	-0.81	0.04	0.01
60	298	446.67	-31.24	-2.26	-0.06	0.08	9.75e-03	-4.68e-03
60	298	446.67	-31.24	-2.26	-0.06	0.08	9.75e-03	-4.68e-03

60	298	500.00	-29.82	-2.25	-0.02	0.69	1.41e-04	-2.28e-03
60	298	550.00	-28.45	-2.24	-1.84e-03	1.24	-7.78e-04	-1.15e-03
60	298	600.00	-27.12	-2.23	4.31e-03	1.81	1.38e-03	-7.11e-04
60	298	650.00	-25.03	-2.70	2.95e-03	3.07	2.85e-03	-8.36e-04
60	298	700.00	-22.06	-2.32	-5.71e-03	2.52	0.0	-1.15e-03
60	302	340.00	-22.91	-1.24	0.07	-1.47	-0.01	2.00e-03
60	302	393.33	-22.70	-1.20	0.07	-0.67	0.02	5.81e-03
60	302	393.33	-22.70	-1.20	0.07	-0.67	0.02	5.81e-03
60	302	446.67	-22.50	-1.16	-0.03	-0.14	6.01e-03	-2.41e-03
60	302	446.67	-22.50	-1.16	-0.03	-0.14	6.01e-03	-2.41e-03
60	302	500.00	-21.45	-1.15	-9.72e-03	0.19	8.25e-04	-1.21e-03
60	302	550.00	-20.43	-1.15	-1.12e-03	0.48	2.67e-04	-6.84e-04
60	302	600.00	-19.43	-1.14	2.01e-03	0.77	1.27e-03	-5.12e-04
60	302	650.00	-17.80	-1.49	8.56e-04	1.66	1.70e-03	-6.49e-04
60	302	700.00	-15.44	-1.36	-3.40e-03	1.37	0.0	-7.47e-04
60	307	340.00	-30.79	-2.68	0.12	-2.69	-0.02	3.44e-03
60	307	393.33	-30.57	-2.61	0.12	-1.12	0.04	0.01
60	307	393.33	-30.57	-2.61	0.12	-1.12	0.04	0.01
60	307	446.67	-30.04	-2.64	-0.06	-0.07	9.59e-03	-4.60e-03
60	307	446.67	-30.04	-2.64	-0.06	-0.07	9.59e-03	-4.60e-03
60	307	500.00	-28.56	-2.63	-0.02	0.69	1.25e-04	-2.24e-03
60	307	550.00	-27.12	-2.62	-1.88e-03	1.38	-8.14e-04	-1.14e-03
60	307	600.00	-25.74	-2.61	3.98e-03	2.08	1.18e-03	-7.09e-04
60	307	650.00	-23.81	-2.75	2.47e-03	3.19	2.41e-03	-8.37e-04
60	307	700.00	-21.09	-2.31	-4.83e-03	2.51	0.0	-1.05e-03
60	309	340.00	-23.26	-1.26	0.07	-1.48	-9.84e-03	2.83e-03
60	309	393.33	-23.05	-1.23	0.07	-0.68	0.03	6.07e-03
60	309	393.33	-23.05	-1.23	0.07	-0.68	0.03	6.07e-03
60	309	446.67	-22.82	-1.23	-0.04	-0.14	6.16e-03	-2.80e-03
60	309	446.67	-22.82	-1.23	-0.04	-0.14	6.16e-03	-2.80e-03
60	309	500.00	-21.73	-1.22	-0.01	0.19	8.15e-05	-1.39e-03
60	309	550.00	-20.65	-1.22	-1.51e-03	0.48	-6.73e-04	-6.86e-04
60	309	600.00	-19.61	-1.21	2.15e-03	0.77	4.00e-04	-3.79e-04
60	309	650.00	-17.93	-1.55	9.25e-04	1.65	8.62e-04	-4.20e-04
60	309	700.00	-15.55	-1.40	-1.72e-03	1.35	0.0	-4.48e-04
60	310	340.00	-30.70	-2.34	0.12	-2.18	-0.02	3.10e-03
60	310	393.33	-30.49	-2.26	0.12	-0.79	0.04	9.78e-03
60	310	393.33	-30.49	-2.26	0.12	-0.79	0.04	9.78e-03
60	310	446.67	-30.04	-2.11	-0.06	0.05	9.24e-03	-4.41e-03
60	310	446.67	-30.04	-2.11	-0.06	0.05	9.24e-03	-4.41e-03
60	310	500.00	-28.67	-2.10	-0.02	0.62	1.33e-04	-2.15e-03
60	310	550.00	-27.34	-2.10	-1.79e-03	1.13	-7.63e-04	-1.09e-03
60	310	600.00	-26.05	-2.09	4.00e-03	1.66	1.24e-03	-6.64e-04
60	310	650.00	-24.02	-2.54	2.66e-03	2.87	2.57e-03	-7.77e-04
60	310	700.00	-21.13	-2.19	-5.14e-03	2.35	0.0	-1.05e-03

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-118.53	-77.67	-1.67	-75.33	-0.71	-0.23
	57.12	42.10	1.38	28.36	0.64	0.28

Macro	Tipo	Angolo 1-Z (gradi)
61	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
61	33	960.00	-10.28	-13.04	-0.10	-6.30	0.0	-0.10
61	33	1010.00	-15.01	-9.39	-0.07	3.11	-0.05	-0.22
61	33	1060.00	-24.16	-16.35	0.10	-0.29	-5.75e-03	-0.12
61	45	960.00	-3.67	-7.09	-0.16	-3.38	0.0	-0.16
61	45	1010.00	-4.84	-6.34	-0.11	0.76	-0.08	-0.36
61	45	1060.00	-8.74	-8.85	0.17	-0.15	-9.64e-03	-0.20
61	52	960.00	-7.73	-23.86	2.62e-04	-11.48	0.0	1.29e-03
61	52	1010.00	-7.66	-25.12	-4.39e-04	-0.43	1.55e-04	2.63e-03
61	52	1060.00	-18.46	-29.38	-1.06e-03	-0.49	5.19e-05	1.22e-03
61	55	960.00	-3.57	-19.12	1.87e-04	-9.18	0.0	1.10e-03
61	55	1010.00	-1.49	-21.94	-3.46e-04	-1.74	1.17e-04	2.24e-03
61	55	1060.00	-8.72	-23.42	-7.24e-04	-0.38	3.54e-05	1.05e-03
61	115	960.00	-3.88	-12.99	-0.22	-5.95	-0.06	0.02
61	115	1010.00	-3.86	-13.86	-0.03	-0.51	-0.10	0.01
61	115	1060.00	-9.43	-16.03	0.19	-0.26	-0.03	0.02
61	129	960.00	-2.97	-47.06	0.07	-18.37	8.22e-03	9.10e-03
61	129	1010.00	1.96	-57.88	0.05	-16.24	0.01	0.01

61	129	1060.00	-9.72	-55.41	-0.10	-1.18	9.06e-03	3.39e-03
61	132	960.00	-4.79	23.72	-0.07	7.30	-8.22e-03	-7.87e-03
61	132	1010.00	-10.01	33.61	-0.05	16.27	-0.01	-0.01
61	132	1060.00	-9.01	26.52	0.09	0.72	-9.00e-03	-2.24e-03
61	147	960.00	-3.88	-13.17	-0.25	-6.01	-0.07	0.02
61	147	1010.00	-3.84	-14.10	-0.04	-0.58	-0.11	0.01
61	147	1060.00	-9.43	-16.25	0.21	-0.27	-0.03	0.02
61	161	960.00	-2.85	-51.76	0.08	-20.08	9.19e-03	0.01
61	161	1010.00	2.75	-63.96	0.06	-18.40	0.01	0.01
61	161	1060.00	-9.76	-60.85	-0.11	-1.31	0.01	3.74e-03
61	164	960.00	-4.91	28.42	-0.08	9.00	-9.19e-03	-8.96e-03
61	164	1010.00	-10.81	39.68	-0.06	18.43	-0.01	-0.01
61	164	1060.00	-8.96	31.96	0.11	0.85	-0.01	-2.59e-03
61	179	960.00	-3.88	-13.27	-0.25	-6.04	-0.06	0.02
61	179	1010.00	-3.83	-14.23	-0.04	-0.63	-0.11	0.01
61	179	1060.00	-9.44	-16.37	0.21	-0.27	-0.03	0.02
61	193	960.00	-2.82	-53.23	0.08	-20.62	8.81e-03	0.01
61	193	1010.00	3.00	-65.85	0.06	-19.08	0.01	0.01
61	193	1060.00	-9.78	-62.55	-0.11	-1.35	0.01	3.73e-03
61	196	960.00	-4.95	29.88	-0.08	9.54	-8.81e-03	-9.05e-03
61	196	1010.00	-11.05	41.57	-0.06	19.12	-0.01	-0.01
61	196	1060.00	-8.94	33.66	0.11	0.89	-0.01	-2.58e-03
61	211	960.00	-3.87	-13.66	-0.29	-6.17	-0.08	0.02
61	211	1010.00	-3.77	-14.75	-0.04	-0.79	-0.13	0.01
61	211	1060.00	-9.45	-16.85	0.24	-0.28	-0.04	0.02
61	225	960.00	-2.60	-61.73	0.09	-23.71	0.01	0.01
61	225	1010.00	4.43	-76.85	0.07	-22.99	0.01	0.02
61	225	1060.00	-9.87	-72.39	-0.12	-1.58	0.01	4.35e-03
61	228	960.00	-5.17	38.39	-0.09	12.63	-0.01	-0.01
61	228	1010.00	-12.49	52.57	-0.07	23.03	-0.01	-0.01
61	228	1060.00	-8.85	43.50	0.12	1.11	-0.01	-3.20e-03
61	257	960.00	-7.20	-9.28	-0.06	-4.48	0.0	-0.07
61	257	1010.00	-10.50	-6.74	-0.04	2.17	-0.03	-0.15
61	257	1060.00	-16.94	-11.63	0.07	-0.20	-3.83e-03	-0.08
61	261	960.00	-3.94	-7.61	-0.11	-3.63	0.0	-0.11
61	261	1010.00	-5.18	-6.84	-0.07	0.80	-0.06	-0.24
61	261	1060.00	-9.37	-9.49	0.11	-0.16	-6.42e-03	-0.13
61	267	960.00	-3.87	-15.63	1.64e-04	-7.50	0.0	8.67e-04
61	267	1010.00	-2.94	-17.23	-2.84e-04	-0.87	9.94e-05	1.76e-03
61	267	1060.00	-9.36	-19.20	-6.47e-04	-0.32	3.17e-05	8.19e-04
61	268	960.00	-5.50	-16.50	1.81e-04	-7.94	0.0	8.95e-04
61	268	1010.00	-5.59	-17.23	-3.04e-04	-0.19	1.07e-04	1.82e-03
61	268	1060.00	-13.14	-20.32	-7.36e-04	-0.34	3.60e-05	8.42e-04
61	298	960.00	-3.88	-12.38	1.71e-04	-5.87	0.0	6.54e-04
61	298	1010.00	-3.83	-13.06	-2.30e-04	-0.12	9.59e-05	1.34e-03
61	298	1060.00	-9.36	-15.31	-6.52e-04	-0.24	3.23e-05	6.16e-04
61	299	960.00	-4.59	-7.79	1.05e-04	-3.73	0.0	3.64e-04
61	299	1010.00	-6.29	-6.62	-1.47e-04	1.10	5.76e-05	7.47e-04
61	299	1060.00	-10.88	-9.71	-4.49e-04	-0.16	2.20e-05	3.35e-04
61	304	960.00	-3.94	-7.47	-0.02	-3.57	0.0	-0.02
61	304	1010.00	-5.22	-6.66	-0.01	0.83	-0.01	-0.05
61	304	1060.00	-9.37	-9.31	0.02	-0.15	-1.27e-03	-0.03
61	309	960.00	-3.94	-7.44	9.82e-05	-3.55	0.0	3.53e-04
61	309	1010.00	-5.22	-6.62	-1.39e-04	0.83	5.44e-05	7.23e-04
61	309	1060.00	-9.37	-9.26	-4.14e-04	-0.15	2.03e-05	3.26e-04
61	310	960.00	-3.88	-11.67	1.61e-04	-5.54	0.0	6.11e-04
61	310	1010.00	-4.03	-12.14	-2.17e-04	0.02	9.00e-05	1.25e-03
61	310	1060.00	-9.36	-14.45	-6.18e-04	-0.23	3.06e-05	5.74e-04

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-24.16	-76.85	-0.29	-23.71	-0.13	-0.36
			4.43	52.57	0.24	23.03	0.01	0.02

Macro	Tipo	Angolo 1-Z (gradi)
62	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
62	51	700.00	-38.29	-76.17	0.01	43.67	0.0	0.01
62	51	753.33	-38.29	-76.17	0.01	84.29	5.69e-03	0.01
62	51	806.67	-75.80	7.13	-3.11e-03	-40.61	4.04e-03	9.16e-03
62	51	860.00	-82.64	7.74	-0.02	-60.09	-8.15e-03	5.57e-03

62	51	910.00	-90.21	8.59	-0.08	-78.09	-0.05	-2.82e-04
62	51	960.00	-97.91	9.45	-0.06	-95.63	-0.08	1.99e-04
62	51	1010.00	-105.59	10.25	0.04	-113.61	-0.06	5.48e-03
62	51	1060.00	-112.81	-11.95	0.11	-128.78	-1.05e-03	4.94e-03
62	52	700.00	-86.24	-75.78	1.48e-03	-7.16	0.0	0.01
62	52	753.33	-86.24	-75.78	1.48e-03	33.26	7.88e-04	0.01
62	52	806.67	-125.29	8.69	-8.31e-03	-94.50	-3.64e-03	0.01
62	52	860.00	-133.26	9.30	-0.03	-115.71	-0.02	5.94e-03
62	52	910.00	-141.96	10.16	-0.09	-135.72	-0.06	-7.37e-04
62	52	960.00	-150.75	11.03	-0.06	-155.52	-0.09	-4.37e-04
62	52	1010.00	-159.39	11.86	0.05	-176.03	-0.07	5.24e-03
62	52	1060.00	-166.15	-17.25	0.13	-195.20	-1.15e-03	4.81e-03
62	79	700.00	-11.77	-56.15	0.01	71.99	0.0	7.49e-03
62	79	753.33	-11.77	-56.15	0.01	101.94	7.67e-03	8.82e-03
62	79	806.67	-44.22	14.71	9.65e-04	-7.25	8.19e-03	6.63e-03
62	79	860.00	-50.15	14.20	-0.02	-25.37	-5.92e-04	3.69e-03
62	79	910.00	-56.60	13.78	-0.07	-41.56	-0.03	-1.32e-03
62	79	960.00	-63.07	13.40	-0.05	-57.03	-0.06	-7.87e-04
62	79	1010.00	-69.49	13.13	0.03	-72.57	-0.04	4.00e-03
62	79	1060.00	-76.04	-4.05	0.09	-85.11	-9.15e-04	3.81e-03
62	81	700.00	-186.92	-23.70	-0.02	-149.68	0.0	7.56e-03
62	81	753.33	-186.92	-23.70	-0.02	-137.04	-0.01	8.55e-03
62	81	806.67	-205.16	13.07	-0.02	-197.63	-0.02	5.85e-03
62	81	860.00	-209.71	12.64	-0.03	-211.71	-0.03	2.36e-03
62	81	910.00	-214.63	12.23	-0.06	-225.81	-0.06	-2.96e-03
62	81	960.00	-219.45	11.86	-0.04	-240.48	-0.09	-3.05e-03
62	81	1010.00	-223.82	11.66	0.04	-256.08	-0.06	1.01e-03
62	81	1060.00	-223.39	-20.61	0.12	-274.70	-8.60e-04	1.46e-03
62	116	700.00	-38.00	-46.73	-2.91	83.69	-0.76	-0.02
62	116	753.33	-38.00	-46.73	-2.91	103.22	-0.76	-0.02
62	116	806.67	-59.59	-1.43	-1.77	17.95	-2.02	-0.02
62	116	860.00	-65.56	-0.86	-0.94	-11.23	-2.78	-0.06
62	116	910.00	-71.40	-0.54	-0.78	-34.46	-3.22	-0.10
62	116	960.00	-75.34	0.03	0.39	-57.73	-3.21	-0.08
62	116	1010.00	-80.02	0.58	2.37	-77.79	-2.56	-7.76e-03
62	116	1060.00	-82.94	-14.78	3.81	-93.68	-0.91	0.01
62	139	700.00	-57.75	-138.10	-0.92	-95.91	-0.27	0.03
62	139	753.33	-57.75	-138.10	-0.92	-76.38	-0.27	0.03
62	139	806.67	-75.79	-86.80	-0.44	-129.78	-0.62	0.03
62	139	860.00	-77.21	-85.96	-0.31	-126.15	-0.77	0.02
62	139	910.00	-78.49	-83.66	-0.05	-119.98	-0.90	0.02
62	139	960.00	-79.77	-82.16	0.22	-113.57	-1.09	0.02
62	139	1010.00	-80.35	-80.17	0.70	-104.95	-0.73	0.03
62	139	1060.00	-80.38	-91.51	1.11	-96.12	-0.26	0.03
62	142	700.00	-36.32	56.64	0.74	109.32	0.22	-0.03
62	142	753.33	-36.32	56.64	0.74	128.85	0.22	-0.03
62	142	806.67	-57.76	94.30	0.31	43.93	0.48	-0.03
62	142	860.00	-63.22	93.45	0.21	14.75	0.57	-0.02
62	142	910.00	-69.47	91.37	-0.07	-14.02	0.63	-0.03
62	142	960.00	-75.43	90.13	-0.23	-42.71	0.78	-0.03
62	142	1010.00	-82.11	88.56	-0.50	-73.46	0.50	-0.02
62	142	1060.00	-87.41	69.97	-0.74	-101.85	0.20	-0.02
62	144	700.00	-32.39	54.18	-0.63	126.43	-0.14	-0.02
62	144	753.33	-32.39	54.18	-0.63	145.97	-0.14	-0.02
62	144	806.67	-54.50	92.34	-0.49	58.12	-0.46	-0.02
62	144	860.00	-60.72	91.57	-0.21	25.85	-0.70	-0.03
62	144	910.00	-67.55	89.47	-0.39	-5.39	-0.84	-0.06
62	144	960.00	-73.81	88.22	-0.05	-36.53	-0.72	-0.05
62	144	1010.00	-80.79	86.54	0.60	-68.91	-0.69	-0.02
62	144	1060.00	-86.21	67.75	1.02	-97.87	-0.23	-8.88e-03
62	148	700.00	-36.83	-47.76	-3.26	94.13	-0.86	-0.02
62	148	753.33	-36.83	-47.76	-3.26	113.66	-0.85	-0.02
62	148	806.67	-58.67	-2.34	-1.98	26.17	-2.27	-0.03
62	148	860.00	-64.97	-1.71	-1.05	-5.24	-3.12	-0.06
62	148	910.00	-71.08	-1.35	-0.87	-30.08	-3.61	-0.11
62	148	960.00	-75.06	-0.71	0.45	-54.98	-3.60	-0.08
62	148	1010.00	-79.87	-0.11	2.66	-76.24	-2.88	-9.17e-03
62	148	1060.00	-82.82	-15.51	4.27	-92.96	-1.03	0.01
62	171	700.00	-59.20	-151.32	-1.03	-109.14	-0.31	0.03
62	171	753.33	-59.20	-151.32	-1.03	-89.61	-0.30	0.04
62	171	806.67	-77.03	-99.10	-0.49	-141.06	-0.69	0.03
62	171	860.00	-78.18	-98.13	-0.34	-135.39	-0.86	0.02
62	171	910.00	-79.16	-95.53	-0.05	-127.00	-1.01	0.02
62	171	960.00	-80.12	-93.83	0.25	-118.39	-1.21	0.02
62	171	1010.00	-80.33	-91.58	0.78	-107.30	-0.81	0.03

62	171	1060.00	-80.01	-102.45	1.24	-96.09	-0.29	0.03
62	174	700.00	-34.88	68.85	0.83	123.47	0.25	-0.03
62	174	753.33	-34.88	68.85	0.83	143.00	0.25	-0.03
62	174	806.67	-56.55	105.65	0.35	55.85	0.54	-0.03
62	174	860.00	-62.30	104.68	0.23	24.33	0.64	-0.03
62	174	910.00	-68.88	102.33	-0.08	-6.80	0.71	-0.03
62	174	960.00	-75.12	100.91	-0.26	-37.84	0.89	-0.03
62	174	1010.00	-82.17	99.12	-0.56	-71.11	0.57	-0.03
62	174	1060.00	-87.79	80.09	-0.84	-101.91	0.23	-0.03
62	176	700.00	-30.46	66.10	-0.71	142.72	-0.16	-0.02
62	176	753.33	-30.46	66.10	-0.71	162.25	-0.16	-0.02
62	176	806.67	-52.89	103.45	-0.55	71.80	-0.52	-0.02
62	176	860.00	-59.49	102.58	-0.24	36.81	-0.79	-0.04
62	176	910.00	-66.73	100.20	-0.44	2.90	-0.94	-0.07
62	176	960.00	-73.30	98.77	-0.05	-30.90	-0.81	-0.06
62	176	1010.00	-80.68	96.85	0.67	-66.01	-0.77	-0.02
62	176	1060.00	-86.44	77.59	1.14	-97.44	-0.26	-0.01
62	180	700.00	-36.53	-46.29	-3.21	96.02	-0.84	-0.02
62	180	753.33	-36.53	-46.29	-3.21	115.55	-0.84	-0.02
62	180	806.67	-58.49	-0.99	-1.95	27.70	-2.23	-0.03
62	180	860.00	-64.80	-0.40	-1.03	-3.84	-3.07	-0.06
62	180	910.00	-70.93	-0.09	-0.87	-28.92	-3.56	-0.11
62	180	960.00	-74.95	0.50	0.43	-54.02	-3.55	-0.08
62	180	1010.00	-79.78	1.07	2.62	-75.48	-2.83	-9.83e-03
62	180	1060.00	-82.79	-14.36	4.20	-92.54	-1.01	0.01
62	203	700.00	-59.80	-153.67	-1.02	-113.63	-0.30	0.03
62	203	753.33	-59.80	-153.67	-1.02	-94.10	-0.30	0.04
62	203	806.67	-77.55	-101.32	-0.48	-144.94	-0.68	0.03
62	203	860.00	-78.56	-100.22	-0.34	-138.46	-0.84	0.02
62	203	910.00	-79.50	-97.56	-0.05	-129.54	-0.99	0.02
62	203	960.00	-80.47	-95.74	0.25	-120.57	-1.19	0.02
62	203	1010.00	-80.78	-93.41	0.76	-109.46	-0.80	0.03
62	203	1060.00	-80.44	-104.31	1.21	-98.02	-0.29	0.03
62	206	700.00	-34.23	71.37	0.81	128.14	0.25	-0.03
62	206	753.33	-34.23	71.37	0.81	147.67	0.25	-0.03
62	206	806.67	-56.00	108.01	0.34	59.85	0.53	-0.03
62	206	860.00	-61.88	106.90	0.23	27.56	0.63	-0.03
62	206	910.00	-68.50	104.49	-0.09	-4.11	0.69	-0.03
62	206	960.00	-74.74	102.95	-0.26	-35.52	0.87	-0.03
62	206	1010.00	-81.70	101.07	-0.54	-68.85	0.55	-0.03
62	206	1060.00	-87.36	82.06	-0.82	-99.92	0.22	-0.03
62	208	700.00	-29.89	68.67	-0.70	147.08	-0.16	-0.02
62	208	753.33	-29.89	68.67	-0.70	166.62	-0.16	-0.02
62	208	806.67	-52.41	105.86	-0.55	75.54	-0.51	-0.02
62	208	860.00	-59.13	104.85	-0.23	39.82	-0.78	-0.04
62	208	910.00	-66.41	102.41	-0.44	5.40	-0.93	-0.07
62	208	960.00	-72.98	100.86	-0.06	-28.75	-0.79	-0.06
62	208	1010.00	-80.27	98.85	0.66	-63.90	-0.76	-0.02
62	208	1060.00	-86.07	79.61	1.12	-95.63	-0.25	-0.01
62	212	700.00	-34.48	-46.96	-3.75	113.90	-0.98	-0.03
62	212	753.33	-34.48	-46.96	-3.75	133.43	-0.98	-0.03
62	212	806.67	-56.88	-1.54	-2.27	41.83	-2.61	-0.03
62	212	860.00	-63.75	-0.87	-1.20	6.59	-3.58	-0.08
62	212	910.00	-70.34	-0.52	-1.01	-21.24	-4.14	-0.13
62	212	960.00	-74.45	0.15	0.51	-49.11	-4.13	-0.10
62	212	1010.00	-79.52	0.79	3.06	-72.68	-3.30	-0.01
62	212	1060.00	-82.62	-14.73	4.89	-91.30	-1.18	0.02
62	235	700.00	-62.30	-175.56	-1.18	-136.22	-0.35	0.04
62	235	753.33	-62.30	-175.56	-1.18	-116.69	-0.35	0.04
62	235	806.67	-79.67	-121.72	-0.56	-164.18	-0.79	0.04
62	235	860.00	-80.22	-120.37	-0.39	-154.14	-0.98	0.03
62	235	910.00	-80.63	-117.22	-0.04	-141.44	-1.15	0.03
62	235	960.00	-81.08	-115.05	0.30	-128.72	-1.38	0.03
62	235	1010.00	-80.78	-112.30	0.89	-113.52	-0.92	0.03
62	235	1060.00	-79.86	-122.42	1.40	-98.12	-0.33	0.03
62	238	700.00	-31.70	91.75	0.94	152.40	0.29	-0.04
62	238	753.33	-31.70	91.75	0.94	171.93	0.29	-0.04
62	238	806.67	-53.88	126.98	0.40	80.27	0.62	-0.04
62	238	860.00	-60.28	125.64	0.27	43.92	0.73	-0.03
62	238	910.00	-67.46	122.77	-0.10	8.23	0.81	-0.04
62	238	960.00	-74.18	120.92	-0.30	-27.18	1.02	-0.04
62	238	1010.00	-81.75	118.67	-0.63	-64.74	0.64	-0.03
62	238	1060.00	-87.94	98.93	-0.95	-99.83	0.26	-0.03
62	240	700.00	-26.65	88.61	-0.82	174.46	-0.18	-0.03
62	240	753.33	-26.65	88.61	-0.82	193.99	-0.18	-0.03

62	240	806.67	-49.70	124.49	-0.64	98.53	-0.60	-0.03
62	240	860.00	-57.08	123.27	-0.27	58.20	-0.91	-0.05
62	240	910.00	-65.03	120.37	-0.51	19.29	-1.07	-0.08
62	240	960.00	-72.14	118.50	-0.06	-19.30	-0.92	-0.07
62	240	1010.00	-80.09	116.09	0.77	-58.99	-0.88	-0.03
62	240	1060.00	-86.45	96.10	1.30	-94.84	-0.30	-0.01
62	267	700.00	-33.14	-52.24	6.67e-03	25.30	0.0	7.15e-03
62	267	753.33	-33.14	-52.24	6.67e-03	53.16	3.56e-03	8.27e-03
62	267	806.67	-58.71	5.13	-2.78e-03	-33.06	2.08e-03	6.38e-03
62	267	860.00	-63.15	5.53	-0.02	-46.69	-6.69e-03	3.86e-03
62	267	910.00	-68.11	6.10	-0.05	-59.32	-0.03	-2.03e-04
62	267	960.00	-73.17	6.68	-0.04	-71.66	-0.05	1.30e-04
62	267	1010.00	-78.19	7.22	0.03	-84.33	-0.04	3.79e-03
62	267	1060.00	-82.77	-8.73	0.08	-95.20	-7.28e-04	3.41e-03
62	268	700.00	-65.11	-51.98	5.40e-04	-8.58	0.0	7.99e-03
62	268	753.33	-65.11	-51.98	5.40e-04	19.14	2.88e-04	9.18e-03
62	268	806.67	-91.70	6.17	-6.25e-03	-68.99	-3.04e-03	7.01e-03
62	268	860.00	-96.90	6.57	-0.02	-83.77	-0.01	4.11e-03
62	268	910.00	-102.61	7.15	-0.06	-97.74	-0.04	-5.07e-04
62	268	960.00	-108.39	7.73	-0.04	-111.59	-0.06	-2.94e-04
62	268	1010.00	-114.06	8.29	0.03	-125.94	-0.05	3.62e-03
62	268	1060.00	-118.33	-12.26	0.09	-139.49	-7.96e-04	3.33e-03
62	279	700.00	-32.24	-45.35	9.11e-03	33.77	0.0	6.49e-03
62	279	753.33	-32.24	-45.35	9.11e-03	57.95	4.86e-03	7.59e-03
62	279	806.67	-58.22	11.68	-1.19e-03	-30.06	4.23e-03	5.63e-03
62	279	860.00	-62.92	11.33	-0.02	-44.91	-4.11e-03	3.02e-03
62	279	910.00	-68.06	11.05	-0.06	-58.37	-0.03	-1.33e-03
62	279	960.00	-73.23	10.80	-0.04	-71.39	-0.05	-9.14e-04
62	279	1010.00	-78.30	10.64	0.03	-84.59	-0.04	3.16e-03
62	279	1060.00	-82.95	-5.86	0.08	-95.79	-7.89e-04	3.06e-03
62	281	700.00	-132.23	-17.26	-0.01	-103.60	0.0	5.38e-03
62	281	753.33	-132.23	-17.26	-0.01	-94.39	-7.16e-03	6.08e-03
62	281	806.67	-144.95	9.09	-0.01	-137.75	-0.01	4.17e-03
62	281	860.00	-147.86	8.80	-0.02	-147.77	-0.02	1.72e-03
62	281	910.00	-151.06	8.53	-0.05	-157.80	-0.05	-1.99e-03
62	281	960.00	-154.19	8.28	-0.03	-168.22	-0.06	-2.04e-03
62	281	1010.00	-157.01	8.15	0.03	-179.31	-0.04	8.00e-04
62	281	1060.00	-156.49	-14.50	0.09	-192.48	-6.03e-04	1.09e-03
62	298	700.00	-43.35	-39.38	5.22e-03	10.06	0.0	5.88e-03
62	298	753.33	-43.35	-39.38	5.22e-03	31.06	2.78e-03	6.81e-03
62	298	806.67	-64.60	8.10	-2.84e-03	-41.81	1.27e-03	5.06e-03
62	298	860.00	-68.23	8.01	-0.01	-54.11	-6.68e-03	2.77e-03
62	298	910.00	-72.28	8.02	-0.05	-65.46	-0.03	-9.71e-04
62	298	960.00	-76.36	8.04	-0.04	-76.57	-0.05	-6.49e-04
62	298	1010.00	-80.36	8.11	0.02	-87.95	-0.04	2.76e-03
62	298	1060.00	-83.61	-7.29	0.07	-98.03	-6.72e-04	2.64e-03
62	299	700.00	-81.38	-19.98	-4.42e-03	-52.21	0.0	4.27e-03
62	299	753.33	-81.38	-19.98	-4.42e-03	-41.55	-2.36e-03	4.85e-03
62	299	806.67	-92.31	5.24	-6.84e-03	-81.26	-6.01e-03	3.41e-03
62	299	860.00	-93.95	5.20	-0.01	-89.03	-0.01	1.61e-03
62	299	910.00	-95.87	5.21	-0.04	-96.64	-0.03	-1.12e-03
62	299	960.00	-97.81	5.23	-0.02	-104.43	-0.04	-1.01e-03
62	299	1010.00	-99.59	5.29	0.02	-112.64	-0.03	1.27e-03
62	299	1060.00	-99.53	-9.81	0.06	-121.43	-4.74e-04	1.34e-03
62	301	700.00	-59.75	-36.51	1.74e-03	-10.45	0.0	5.93e-03
62	301	753.33	-59.75	-36.51	1.74e-03	9.02	9.27e-04	6.85e-03
62	301	806.67	-79.87	8.04	-4.60e-03	-59.76	-1.53e-03	5.04e-03
62	301	860.00	-83.48	7.97	-0.02	-71.81	-9.90e-03	2.68e-03
62	301	910.00	-87.47	7.97	-0.05	-83.09	-0.03	-1.10e-03
62	301	960.00	-91.50	8.00	-0.04	-94.24	-0.05	-8.46e-04
62	301	1010.00	-95.40	8.07	0.03	-105.75	-0.04	2.49e-03
62	301	1060.00	-98.08	-8.86	0.08	-116.56	-6.67e-04	2.42e-03
62	309	700.00	-68.59	-20.08	-1.97e-03	-38.66	0.0	3.93e-03
62	309	753.33	-68.59	-20.08	-1.97e-03	-27.95	-1.05e-03	4.48e-03
62	309	806.67	-79.11	4.82	-5.45e-03	-66.89	-3.96e-03	3.16e-03
62	309	860.00	-80.45	4.78	-0.01	-74.19	-0.01	1.52e-03
62	309	910.00	-82.07	4.79	-0.03	-81.27	-0.03	-1.00e-03
62	309	960.00	-83.72	4.81	-0.02	-88.45	-0.04	-8.41e-04
62	309	1010.00	-85.24	4.87	0.02	-96.00	-0.03	1.33e-03
62	309	1060.00	-85.31	-8.39	0.06	-103.72	-4.47e-04	1.37e-03
62	310	700.00	-46.96	-36.62	4.19e-03	3.10	0.0	5.60e-03
62	310	753.33	-46.96	-36.62	4.19e-03	22.63	2.24e-03	6.48e-03
62	310	806.67	-66.67	7.63	-3.21e-03	-45.39	5.22e-04	4.79e-03
62	310	860.00	-69.98	7.55	-0.01	-56.98	-7.24e-03	2.59e-03
62	310	910.00	-73.67	7.56	-0.05	-67.72	-0.03	-9.75e-04

62	310	960.00	-77.41	7.58	-0.03	-78.27	-0.05	-6.76e-04
62	310	1010.00	-81.06	7.65	0.02	-89.10	-0.04	2.55e-03
62	310	1060.00	-83.85	-7.45	0.07	-98.84	-6.40e-04	2.46e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-223.82	-175.56	-3.75	-274.70	-4.14	-0.13
	-11.77	126.98	4.89	193.99	1.02	0.04

Macro	Tipo	Angolo 1-Z (gradi)
63	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
63	27	700.00	-41.92	-14.01	-0.77	29.15	0.0	0.11
63	27	753.33	-41.92	-14.01	-0.77	36.62	-0.41	0.08
63	27	806.67	-42.17	-1.87	0.39	24.06	-0.21	-0.02
63	27	860.00	-40.92	-1.40	0.23	15.68	-0.08	-0.02
63	27	910.00	-39.64	-1.23	0.11	6.39	-0.03	-0.03
63	27	960.00	-38.24	-1.19	0.13	-3.42	0.04	-0.03
63	27	1010.00	-37.10	-1.23	0.37	-12.82	0.22	-0.02
63	27	1060.00	-22.93	-8.66	-0.43	14.52	0.02	0.04
63	33	700.00	-82.20	-4.95	-0.34	-12.61	0.0	0.05
63	33	753.33	-82.20	-4.95	-0.34	-9.97	-0.18	0.03
63	33	806.67	-81.52	-0.57	0.30	-19.14	-0.02	-0.02
63	33	860.00	-79.91	-0.40	0.19	-26.28	0.08	-0.02
63	33	910.00	-78.06	-0.36	0.09	-33.93	0.13	-0.02
63	33	960.00	-75.89	-0.39	0.12	-41.75	0.18	-0.02
63	33	1010.00	-73.63	-0.53	0.34	-48.90	0.36	-1.89e-03
63	33	1060.00	-43.85	-14.93	-0.69	20.59	0.03	0.07
63	59	700.00	-75.13	-15.61	-0.66	-8.25	0.0	0.09
63	59	753.33	-75.13	-15.61	-0.66	0.07	-0.35	0.06
63	59	806.67	-75.72	-6.08	0.40	-11.35	-0.14	-0.03
63	59	860.00	-74.78	-5.62	0.26	-18.99	4.41e-04	-0.03
63	59	910.00	-73.70	-5.42	0.15	-27.29	0.08	-0.03
63	59	960.00	-72.38	-5.34	0.19	-35.76	0.17	-0.02
63	59	1010.00	-71.06	-5.38	0.43	-43.84	0.39	-9.83e-03
63	59	1060.00	-42.91	-19.15	-0.74	21.34	0.03	0.07
63	71	700.00	-29.70	-16.05	-0.55	8.27	0.0	0.08
63	71	753.33	-29.70	-16.05	-0.55	16.83	-0.30	0.05
63	71	806.67	-29.63	-8.08	0.26	9.92	-0.15	-0.01
63	71	860.00	-28.55	-7.60	0.16	5.73	-0.07	-0.01
63	71	910.00	-27.49	-7.36	0.09	0.93	-0.02	-0.02
63	71	960.00	-26.39	-7.20	0.11	-4.09	0.04	-0.02
63	71	1010.00	-25.45	-7.08	0.26	-9.05	0.17	-0.01
63	71	1060.00	-15.37	-11.27	-0.32	9.94	0.01	0.03
63	116	700.00	-36.84	-13.85	-3.61	103.88	-0.85	0.07
63	116	753.33	-36.84	-13.85	-3.61	107.72	-1.07	0.05
63	116	806.67	-39.15	-6.03	-1.43	82.71	-2.29	-0.02
63	116	860.00	-39.83	-1.46	-0.63	60.11	-2.83	-0.06
63	116	910.00	-37.93	-1.06	-0.62	37.30	-3.09	-0.13
63	116	960.00	-33.01	-2.64	0.45	14.43	-3.14	-0.10
63	116	1010.00	-28.74	-4.39	2.71	-0.83	-2.32	-0.03
63	116	1060.00	-17.37	-12.73	3.38	23.42	-0.87	0.05
63	136	700.00	-50.72	27.88	-1.05	86.11	-0.15	0.03
63	136	753.33	-50.72	27.88	-1.05	89.95	-0.38	9.04e-03
63	136	806.67	-49.40	38.29	-0.47	70.12	-0.76	-0.03
63	136	860.00	-46.21	38.09	-0.01	53.20	-0.82	-0.05
63	136	910.00	-42.79	37.64	-0.43	34.59	-0.63	-0.09
63	136	960.00	-37.86	37.13	0.03	13.83	-0.74	-0.08
63	136	1010.00	-34.13	36.47	0.76	-3.39	-0.49	-0.03
63	136	1060.00	-24.76	25.08	0.51	12.91	-0.17	5.08e-03
63	139	700.00	-22.70	-69.98	-1.57	-39.71	-0.33	0.11
63	139	753.33	-22.70	-69.98	-1.57	-35.86	-0.55	0.09
63	139	806.67	-23.41	-67.24	0.07	-33.74	-0.72	-6.64e-03
63	139	860.00	-23.60	-64.55	-0.06	-30.33	-0.79	-6.23e-03
63	139	910.00	-23.06	-63.05	0.14	-26.59	-0.98	-0.01
63	139	960.00	-21.93	-62.19	0.31	-22.71	-0.78	-6.57e-03
63	139	1010.00	-21.18	-61.22	1.03	-18.28	-0.50	5.40e-03
63	139	1060.00	-7.15	-58.67	0.67	16.57	-0.23	0.07
63	148	700.00	-37.30	-14.57	-4.00	115.36	-0.95	0.08
63	148	753.33	-37.30	-14.57	-4.00	119.20	-1.17	0.05
63	148	806.67	-39.93	-6.52	-1.63	91.99	-2.56	-0.02

63	148	860.00	-40.85	-1.43	-0.73	67.22	-3.18	-0.06
63	148	910.00	-38.84	-0.99	-0.71	42.21	-3.47	-0.14
63	148	960.00	-33.46	-2.77	0.50	17.16	-3.54	-0.11
63	148	1010.00	-28.81	-4.73	3.01	0.62	-2.62	-0.03
63	148	1060.00	-17.43	-13.44	3.84	25.07	-0.98	0.05
63	168	700.00	-52.90	32.47	-1.13	95.85	-0.17	0.02
63	168	753.33	-52.90	32.47	-1.13	99.70	-0.39	4.96e-03
63	168	806.67	-51.47	43.42	-0.55	78.21	-0.84	-0.03
63	168	860.00	-48.04	43.17	-0.03	59.73	-0.92	-0.05
63	168	910.00	-44.33	42.65	-0.50	39.37	-0.71	-0.10
63	168	960.00	-38.92	42.08	0.02	16.61	-0.84	-0.09
63	168	1010.00	-34.87	41.34	0.83	-2.16	-0.57	-0.04
63	168	1060.00	-25.76	29.17	0.61	13.27	-0.19	1.86e-03
63	171	700.00	-21.26	-78.14	-1.71	-46.81	-0.37	0.12
63	171	753.33	-21.26	-78.14	-1.71	-42.96	-0.59	0.09
63	171	806.67	-22.09	-75.84	0.06	-39.52	-0.79	-5.81e-03
63	171	860.00	-22.46	-72.85	-0.09	-34.96	-0.88	-5.20e-03
63	171	910.00	-22.02	-71.17	0.15	-29.98	-1.10	-0.01
63	171	960.00	-20.93	-70.19	0.34	-24.82	-0.88	-5.47e-03
63	171	1010.00	-20.25	-69.08	1.12	-19.11	-0.58	7.15e-03
63	171	1060.00	-5.86	-65.49	0.79	17.39	-0.26	0.08
63	180	700.00	-37.96	-13.85	-3.94	114.67	-0.93	0.08
63	180	753.33	-37.96	-13.85	-3.94	118.52	-1.16	0.05
63	180	806.67	-40.46	-5.76	-1.60	91.56	-2.52	-0.02
63	180	860.00	-41.31	-0.79	-0.71	66.99	-3.13	-0.06
63	180	910.00	-39.12	-0.35	-0.71	42.01	-3.41	-0.14
63	180	960.00	-33.66	-2.09	0.49	17.04	-3.48	-0.11
63	180	1010.00	-29.01	-4.01	2.97	0.39	-2.58	-0.03
63	180	1060.00	-17.64	-12.74	3.77	24.77	-0.97	0.05
63	200	700.00	-53.30	33.44	-1.11	98.40	-0.17	0.02
63	200	753.33	-53.30	33.44	-1.11	102.24	-0.39	3.26e-03
63	200	806.67	-51.94	44.48	-0.55	80.28	-0.83	-0.03
63	200	860.00	-48.47	44.23	-0.03	61.52	-0.91	-0.05
63	200	910.00	-44.65	43.72	-0.51	40.60	-0.70	-0.10
63	200	960.00	-39.12	43.15	0.01	17.36	-0.83	-0.09
63	200	1010.00	-35.00	42.40	0.82	-1.74	-0.57	-0.04
63	200	1060.00	-26.02	30.10	0.61	13.25	-0.19	9.39e-04
63	203	700.00	-21.24	-79.47	-1.70	-50.23	-0.37	0.12
63	203	753.33	-21.24	-79.47	-1.70	-46.38	-0.59	0.09
63	203	806.67	-21.88	-77.24	0.07	-42.04	-0.78	-5.45e-03
63	203	860.00	-22.27	-74.26	-0.08	-36.99	-0.86	-4.41e-03
63	203	910.00	-21.83	-72.55	0.16	-31.47	-1.08	-0.01
63	203	960.00	-20.80	-71.52	0.34	-25.81	-0.86	-4.46e-03
63	203	1010.00	-20.19	-70.37	1.11	-19.73	-0.56	7.34e-03
63	203	1060.00	-5.65	-66.58	0.75	17.33	-0.25	0.08
63	212	700.00	-39.09	-14.46	-4.52	132.65	-1.09	0.08
63	212	753.33	-39.09	-14.46	-4.52	136.50	-1.31	0.05
63	212	806.67	-42.02	-5.96	-1.91	106.15	-2.92	-0.03
63	212	860.00	-43.17	-0.21	-0.85	78.19	-3.65	-0.07
63	212	910.00	-40.73	0.27	-0.84	49.80	-3.98	-0.16
63	212	960.00	-34.51	-1.76	0.55	21.41	-4.07	-0.13
63	212	1010.00	-29.24	-4.00	3.43	2.68	-3.04	-0.03
63	212	1060.00	-17.87	-13.36	4.46	27.23	-1.13	0.06
63	232	700.00	-57.03	41.59	-1.22	115.57	-0.19	0.01
63	232	753.33	-57.03	41.59	-1.22	119.41	-0.42	-4.53e-03
63	232	806.67	-55.53	53.58	-0.69	94.49	-0.96	-0.03
63	232	860.00	-51.65	53.24	-0.05	73.01	-1.06	-0.06
63	232	910.00	-47.32	52.61	-0.62	48.98	-0.81	-0.12
63	232	960.00	-40.98	51.93	-0.01	22.25	-0.98	-0.11
63	232	1010.00	-36.31	51.05	0.92	0.44	-0.69	-0.04
63	232	1060.00	-27.81	37.38	0.77	13.81	-0.23	-4.95e-03
63	235	700.00	-18.99	-92.91	-1.92	-62.95	-0.43	0.13
63	235	753.33	-18.99	-92.91	-1.92	-59.10	-0.65	0.10
63	235	806.67	-19.72	-91.41	0.05	-52.27	-0.89	-3.94e-03
63	235	860.00	-20.40	-87.95	-0.11	-45.19	-1.00	-2.42e-03
63	235	910.00	-20.11	-85.94	0.18	-37.45	-1.26	-8.84e-03
63	235	960.00	-19.15	-84.72	0.39	-29.54	-1.00	-2.21e-03
63	235	1010.00	-18.67	-83.34	1.26	-21.23	-0.68	0.01
63	235	1060.00	-3.52	-77.81	0.92	18.58	-0.30	0.09
63	255	700.00	-32.45	-9.62	-0.53	19.47	0.0	0.08
63	255	753.33	-32.45	-9.62	-0.53	24.61	-0.28	0.05
63	255	806.67	-32.35	-1.27	0.27	15.77	-0.14	-0.01
63	255	860.00	-31.20	-0.94	0.16	9.86	-0.05	-0.02
63	255	910.00	-30.04	-0.83	0.07	3.32	-0.01	-0.02
63	255	960.00	-28.79	-0.80	0.09	-3.57	0.03	-0.02

63	255	1010.00	-27.71	-0.83	0.26	-10.16	0.16	-0.01
63	255	1060.00	-16.98	-6.32	-0.31	10.43	0.01	0.03
63	257	700.00	-59.30	-3.59	-0.24	-8.37	0.0	0.04
63	257	753.33	-59.30	-3.59	-0.24	-6.46	-0.13	0.02
63	257	806.67	-58.58	-0.40	0.21	-13.03	-0.02	-0.02
63	257	860.00	-57.20	-0.28	0.14	-18.11	0.06	-0.01
63	257	910.00	-55.65	-0.24	0.06	-23.56	0.09	-0.02
63	257	960.00	-53.89	-0.27	0.08	-29.12	0.13	-0.01
63	257	1010.00	-52.06	-0.36	0.24	-34.21	0.25	-1.38e-03
63	257	1060.00	-30.93	-10.50	-0.48	14.47	0.02	0.05
63	271	700.00	-54.59	-10.69	-0.46	-5.46	0.0	0.06
63	271	753.33	-54.59	-10.69	-0.46	0.24	-0.24	0.04
63	271	806.67	-54.72	-4.07	0.28	-7.84	-0.09	-0.02
63	271	860.00	-53.77	-3.75	0.18	-13.26	1.87e-03	-0.02
63	271	910.00	-52.75	-3.62	0.10	-19.13	0.05	-0.02
63	271	960.00	-51.55	-3.57	0.13	-25.13	0.12	-0.02
63	271	1010.00	-50.35	-3.60	0.30	-30.84	0.27	-6.67e-03
63	271	1060.00	-30.30	-13.31	-0.52	14.97	0.02	0.05
63	275	700.00	-32.61	-11.99	-0.47	7.69	0.0	0.07
63	275	753.33	-32.61	-11.99	-0.47	14.09	-0.25	0.04
63	275	806.67	-32.31	-5.54	0.24	7.49	-0.12	-0.01
63	275	860.00	-31.19	-5.17	0.15	3.10	-0.04	-0.01
63	275	910.00	-30.07	-5.00	0.08	-1.76	-1.15e-03	-0.02
63	275	960.00	-28.89	-4.89	0.10	-6.79	0.05	-0.01
63	275	1010.00	-27.82	-4.83	0.24	-11.72	0.17	-8.64e-03
63	275	1060.00	-16.68	-9.60	-0.33	10.37	0.01	0.03
63	298	700.00	-33.44	-7.85	-0.45	13.43	0.0	0.06
63	298	753.33	-33.44	-7.85	-0.45	17.62	-0.24	0.04
63	298	806.67	-33.10	-1.18	0.23	10.01	-0.12	-0.01
63	298	860.00	-31.88	-0.91	0.14	4.82	-0.04	-0.01
63	298	910.00	-30.67	-0.82	0.08	-0.75	5.84e-06	-0.02
63	298	960.00	-29.41	-0.80	0.10	-6.50	0.05	-0.01
63	298	1010.00	-28.24	-0.84	0.23	-12.08	0.16	-8.83e-03
63	298	1060.00	-17.07	-6.24	-0.32	10.09	0.01	0.03
63	299	700.00	-41.42	-3.45	-0.25	1.67	0.0	0.03
63	299	753.33	-41.42	-3.45	-0.25	3.51	-0.13	0.02
63	299	806.67	-40.42	-0.43	0.16	-1.98	-0.04	-0.01
63	299	860.00	-38.92	-0.30	0.11	-6.24	0.01	-0.01
63	299	910.00	-37.39	-0.26	0.06	-10.68	0.04	-0.01
63	299	960.00	-35.75	-0.27	0.08	-15.16	0.08	-8.94e-03
63	299	1010.00	-34.10	-0.33	0.18	-19.43	0.17	-3.31e-03
63	299	1060.00	-20.10	-6.63	-0.34	10.56	0.01	0.03
63	307	700.00	-33.80	-8.04	-0.42	11.04	0.0	0.06
63	307	753.33	-33.80	-8.04	-0.42	15.33	-0.22	0.04
63	307	806.67	-33.35	-1.93	0.22	8.26	-0.11	-0.01
63	307	860.00	-32.11	-1.67	0.14	3.38	-0.03	-0.01
63	307	910.00	-30.87	-1.56	0.08	-1.87	4.46e-03	-0.02
63	307	960.00	-29.57	-1.53	0.09	-7.27	0.05	-0.01
63	307	1010.00	-28.35	-1.55	0.22	-12.51	0.16	-8.06e-03
63	307	1060.00	-17.04	-6.82	-0.32	10.08	0.01	0.03
63	309	700.00	-37.09	-3.37	-0.25	4.76	0.0	0.03
63	309	753.33	-37.09	-3.37	-0.25	6.56	-0.13	0.02
63	309	806.67	-36.00	-0.37	0.16	1.29	-0.05	-0.01
63	309	860.00	-34.46	-0.24	0.10	-2.83	4.71e-03	-0.01
63	309	910.00	-32.90	-0.20	0.06	-7.13	0.03	-0.01
63	309	960.00	-31.26	-0.21	0.07	-11.47	0.07	-8.79e-03
63	309	1010.00	-29.63	-0.25	0.17	-15.63	0.15	-3.72e-03
63	309	1060.00	-17.41	-5.62	-0.30	9.62	0.01	0.03
63	310	700.00	-33.96	-7.21	-0.42	12.19	0.0	0.06
63	310	753.33	-33.96	-7.21	-0.42	16.04	-0.22	0.04
63	310	806.67	-33.51	-1.06	0.22	8.77	-0.11	-0.01
63	310	860.00	-32.25	-0.82	0.14	3.73	-0.03	-0.01
63	310	910.00	-30.99	-0.73	0.08	-1.66	4.69e-03	-0.02
63	310	960.00	-29.67	-0.71	0.09	-7.21	0.05	-0.01
63	310	1010.00	-28.43	-0.75	0.22	-12.59	0.16	-8.10e-03
63	310	1060.00	-17.12	-6.15	-0.31	10.02	0.01	0.03

M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-82.20	-92.91	-4.52	-62.95	-4.07	-0.16
			-3.52	53.58	4.46	136.50	0.39	0.13

Macro	Tipo	Angolo 1-Z (gradi)
64	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
64	44	700.00	-6.58	-0.94	7.63e-04	0.23	0.0	7.09e-04
64	44	753.33	-6.58	-0.94	7.63e-04	-0.27	4.07e-04	1.08e-03
64	44	806.67	-5.52	-0.80	2.78e-03	0.17	1.89e-03	1.11e-03
64	44	860.00	-4.56	-0.29	3.87e-03	0.81	3.96e-03	8.86e-04
64	44	910.00	-4.17	-3.02	-3.69e-04	0.09	3.77e-03	4.72e-05
64	44	960.00	-3.86	-3.02	-3.69e-04	-1.42	3.59e-03	-1.55e-04
64	44	1010.00	-2.43	-0.05	-3.45e-03	-0.77	1.86e-03	-4.30e-04
64	44	1060.00	-0.83	-0.36	-3.72e-03	-0.32	0.0	-3.12e-04
64	69	700.00	-3.10	-0.21	1.46	0.08	0.0	-0.01
64	69	753.33	-3.10	-0.21	1.46	-0.03	0.78	-0.02
64	69	806.67	-2.65	-0.17	1.32	0.05	1.48	-0.02
64	69	860.00	-2.23	-0.07	1.10	0.18	2.07	-0.01
64	69	910.00	-2.06	-0.64	-0.34	0.02	1.90	3.71e-03
64	69	960.00	-1.82	-0.64	-0.59	-0.30	1.60	0.01
64	69	1010.00	-1.15	-0.01	-1.52	-0.16	0.84	0.03
64	69	1060.00	-0.39	-0.08	-1.69	-0.07	0.0	0.02
64	70	700.00	-3.25	-0.27	1.46	0.11	0.0	-0.01
64	70	753.33	-3.25	-0.27	1.46	-0.03	0.78	-0.02
64	70	806.67	-2.78	-0.22	1.32	0.07	1.48	-0.02
64	70	860.00	-2.34	-0.09	1.10	0.23	2.07	-0.01
64	70	910.00	-2.16	-0.83	-0.34	0.03	1.90	3.75e-03
64	70	960.00	-1.92	-0.83	-0.59	-0.39	1.60	0.01
64	70	1010.00	-1.22	-0.02	-1.51	-0.21	0.84	0.03
64	70	1060.00	-0.41	-0.11	-1.69	-0.09	0.0	0.02
64	76	700.00	-6.84	-0.76	-0.44	0.28	0.0	4.74e-03
64	76	753.33	-6.84	-0.76	-0.44	-0.12	-0.23	7.19e-03
64	76	806.67	-5.77	-0.63	-0.39	0.17	-0.44	7.24e-03
64	76	860.00	-4.82	-0.24	-0.32	0.63	-0.61	5.42e-03
64	76	910.00	-4.40	-2.27	0.10	0.08	-0.56	-1.10e-03
64	76	960.00	-4.09	-2.27	0.18	-1.06	-0.47	-3.77e-03
64	76	1010.00	-2.60	-0.08	0.45	-0.58	-0.25	-8.91e-03
64	76	1060.00	-0.88	-0.33	0.50	-0.25	0.0	-6.93e-03
64	116	700.00	-7.59	-4.86	0.07	-2.04	0.01	-7.44e-03
64	116	753.33	-7.59	-4.86	0.07	-2.25	0.01	-7.05e-03
64	116	806.67	-7.52	-4.54	-0.18	0.21	0.04	-7.12e-03
64	116	860.00	-4.59	-1.60	-0.13	3.52	0.07	-5.27e-03
64	116	910.00	-3.87	-15.48	5.91e-03	3.29	0.09	-2.16e-03
64	116	960.00	-3.42	-15.33	0.11	-4.32	0.05	-5.24e-03
64	116	1010.00	-2.24	-0.04	0.26	-3.97	0.04	-0.01
64	116	1060.00	-0.77	-1.33	-0.04	-1.09	0.01	-0.01
64	140	700.00	-11.21	-2.74	-0.55	-0.68	-0.15	5.10e-03
64	140	753.33	-11.21	-2.74	-0.55	-0.89	-0.15	5.42e-03
64	140	806.67	-9.19	-2.51	-0.59	0.34	-0.43	6.38e-03
64	140	860.00	-6.75	-0.95	-0.56	2.02	-0.70	4.70e-03
64	140	910.00	-6.02	-8.45	0.13	1.77	-0.81	-2.38e-03
64	140	960.00	-7.82	-8.39	0.27	-1.97	-0.73	-8.12e-03
64	140	1010.00	-3.48	-0.18	0.74	-2.15	-0.51	-0.02
64	140	1060.00	-1.16	-1.01	0.70	-0.62	-0.17	-0.02
64	141	700.00	2.64	1.74	0.58	0.87	0.16	-5.78e-03
64	141	753.33	2.64	1.74	0.58	0.66	0.16	-5.57e-03
64	141	806.67	1.65	1.66	0.57	-0.19	0.46	-6.57e-03
64	141	860.00	0.58	0.63	0.53	-1.23	0.74	-4.79e-03
64	141	910.00	0.44	5.47	-0.13	-1.55	0.85	2.14e-03
64	141	960.00	2.78	5.42	-0.25	0.70	0.77	7.32e-03
64	141	1010.00	0.25	0.13	-0.71	1.38	0.54	0.02
64	141	1060.00	0.06	0.66	-0.74	0.31	0.18	0.02
64	144	700.00	-11.54	-2.54	-0.58	-0.57	-0.16	6.75e-03
64	144	753.33	-11.54	-2.54	-0.58	-0.79	-0.16	7.05e-03
64	144	806.67	-9.19	-2.31	-0.57	0.36	-0.46	8.08e-03
64	144	860.00	-6.89	-0.88	-0.53	1.89	-0.73	5.98e-03
64	144	910.00	-6.21	-7.84	0.13	1.63	-0.84	-2.15e-03
64	144	960.00	-8.06	-7.80	0.25	-1.81	-0.77	-7.67e-03
64	144	1010.00	-3.61	-0.20	0.71	-1.99	-0.54	-0.02
64	144	1060.00	-1.19	-0.99	0.73	-0.57	-0.18	-0.02
64	148	700.00	-8.00	-5.41	0.08	-2.31	0.01	-8.32e-03
64	148	753.33	-8.00	-5.41	0.08	-2.52	0.01	-7.92e-03
64	148	806.67	-7.99	-5.06	-0.20	0.23	0.05	-8.01e-03
64	148	860.00	-4.79	-1.78	-0.15	3.92	0.08	-5.96e-03
64	148	910.00	-4.00	-17.25	6.92e-03	3.69	0.09	-2.41e-03
64	148	960.00	-3.53	-17.09	0.12	-4.79	0.06	-5.79e-03
64	148	1010.00	-2.32	-0.04	0.30	-4.42	0.04	-0.01

64	148	1060.00	-0.80	-1.47	-0.04	-1.21	0.02	-0.01
64	172	700.00	-12.10	-3.04	-0.62	-0.79	-0.17	5.69e-03
64	172	753.33	-12.10	-3.04	-0.62	-1.00	-0.17	6.02e-03
64	172	806.67	-9.89	-2.79	-0.67	0.38	-0.49	7.11e-03
64	172	860.00	-7.23	-1.06	-0.63	2.24	-0.80	5.24e-03
64	172	910.00	-6.43	-9.38	0.14	1.99	-0.92	-2.68e-03
64	172	960.00	-8.50	-9.31	0.30	-2.15	-0.83	-9.11e-03
64	172	1010.00	-3.72	-0.20	0.84	-2.38	-0.58	-0.02
64	172	1060.00	-1.24	-1.12	0.79	-0.68	-0.20	-0.02
64	173	700.00	3.56	2.01	0.66	0.96	0.18	-6.58e-03
64	173	753.33	3.56	2.01	0.66	0.75	0.18	-6.37e-03
64	173	806.67	2.36	1.91	0.65	-0.22	0.52	-7.51e-03
64	173	860.00	1.07	0.73	0.60	-1.43	0.84	-5.49e-03
64	173	910.00	0.88	6.32	-0.14	-1.75	0.96	2.41e-03
64	173	960.00	3.48	6.27	-0.28	0.86	0.87	8.25e-03
64	173	1010.00	0.51	0.15	-0.81	1.60	0.61	0.02
64	173	1060.00	0.14	0.76	-0.84	0.37	0.21	0.02
64	176	700.00	-12.46	-2.81	-0.66	-0.67	-0.18	7.54e-03
64	176	753.33	-12.46	-2.81	-0.66	-0.88	-0.18	7.85e-03
64	176	806.67	-9.90	-2.57	-0.64	0.40	-0.52	9.02e-03
64	176	860.00	-7.38	-0.98	-0.60	2.09	-0.83	6.68e-03
64	176	910.00	-6.65	-8.69	0.14	1.84	-0.95	-2.41e-03
64	176	960.00	-8.77	-8.64	0.28	-1.97	-0.87	-8.60e-03
64	176	1010.00	-3.86	-0.22	0.80	-2.20	-0.61	-0.02
64	176	1060.00	-1.28	-1.10	0.83	-0.63	-0.21	-0.02
64	180	700.00	-8.11	-5.37	0.07	-2.28	0.01	-7.66e-03
64	180	753.33	-8.11	-5.37	0.07	-2.50	0.01	-7.28e-03
64	180	806.67	-7.97	-5.02	-0.20	0.24	0.04	-7.44e-03
64	180	860.00	-4.85	-1.76	-0.15	3.89	0.07	-5.64e-03
64	180	910.00	-4.07	-17.12	8.22e-03	3.66	0.08	-2.28e-03
64	180	960.00	-3.61	-16.96	0.12	-4.76	0.05	-5.28e-03
64	180	1010.00	-2.36	-0.04	0.29	-4.39	0.03	-0.01
64	180	1060.00	-0.82	-1.47	-0.04	-1.20	0.01	-0.01
64	204	700.00	-12.27	-3.06	-0.63	-0.80	-0.17	5.60e-03
64	204	753.33	-12.27	-3.06	-0.63	-1.01	-0.17	5.95e-03
64	204	806.67	-10.01	-2.80	-0.68	0.39	-0.50	7.13e-03
64	204	860.00	-7.35	-1.06	-0.64	2.25	-0.82	5.27e-03
64	204	910.00	-6.56	-9.43	0.15	2.00	-0.94	-2.65e-03
64	204	960.00	-8.63	-9.36	0.31	-2.16	-0.85	-8.99e-03
64	204	1010.00	-3.81	-0.21	0.85	-2.39	-0.59	-0.02
64	204	1060.00	-1.27	-1.13	0.81	-0.68	-0.20	-0.02
64	205	700.00	3.71	2.03	0.67	0.97	0.18	-6.45e-03
64	205	753.33	3.71	2.03	0.67	0.76	0.18	-6.27e-03
64	205	806.67	2.46	1.93	0.66	-0.23	0.53	-7.50e-03
64	205	860.00	1.18	0.73	0.62	-1.44	0.86	-5.51e-03
64	205	910.00	0.99	6.36	-0.15	-1.77	0.98	2.39e-03
64	205	960.00	3.60	6.31	-0.29	0.87	0.89	8.17e-03
64	205	1010.00	0.59	0.15	-0.82	1.61	0.62	0.02
64	205	1060.00	0.17	0.77	-0.85	0.37	0.21	0.02
64	208	700.00	-12.61	-2.82	-0.67	-0.68	-0.18	7.42e-03
64	208	753.33	-12.61	-2.82	-0.67	-0.89	-0.18	7.74e-03
64	208	806.67	-10.00	-2.58	-0.65	0.41	-0.53	9.01e-03
64	208	860.00	-7.49	-0.99	-0.61	2.10	-0.85	6.70e-03
64	208	910.00	-6.76	-8.74	0.15	1.85	-0.98	-2.39e-03
64	208	960.00	-8.89	-8.69	0.29	-1.98	-0.89	-8.51e-03
64	208	1010.00	-3.94	-0.23	0.82	-2.21	-0.62	-0.02
64	208	1060.00	-1.30	-1.11	0.85	-0.63	-0.21	-0.02
64	212	700.00	-8.84	-6.23	0.08	-2.70	0.01	-8.90e-03
64	212	753.33	-8.84	-6.23	0.08	-2.91	0.01	-8.51e-03
64	212	806.67	-8.74	-5.83	-0.23	0.27	0.05	-8.71e-03
64	212	860.00	-5.19	-2.05	-0.18	4.51	0.08	-6.64e-03
64	212	910.00	-4.33	-19.88	0.01	4.29	0.09	-2.66e-03
64	212	960.00	-3.83	-19.69	0.14	-5.48	0.06	-6.10e-03
64	212	1010.00	-2.52	-0.04	0.34	-5.09	0.04	-0.01
64	212	1060.00	-0.87	-1.70	-0.04	-1.39	0.01	-0.01
64	236	700.00	-13.74	-3.54	-0.75	-0.97	-0.20	6.50e-03
64	236	753.33	-13.74	-3.54	-0.75	-1.18	-0.20	6.86e-03
64	236	806.67	-11.18	-3.25	-0.81	0.45	-0.60	8.28e-03
64	236	860.00	-8.16	-1.23	-0.76	2.60	-0.97	6.13e-03
64	236	910.00	-7.28	-10.91	0.17	2.35	-1.12	-3.13e-03
64	236	960.00	-9.76	-10.83	0.36	-2.45	-1.01	-0.01
64	236	1010.00	-4.23	-0.24	1.01	-2.76	-0.70	-0.02
64	236	1060.00	-1.40	-1.31	0.96	-0.78	-0.24	-0.02
64	237	700.00	5.22	2.46	0.80	1.12	0.21	-7.65e-03
64	237	753.33	5.22	2.46	0.80	0.91	0.21	-7.48e-03

64	237	806.67	3.61	2.33	0.78	-0.29	0.63	-8.96e-03
64	237	860.00	2.00	0.89	0.73	-1.76	1.02	-6.60e-03
64	237	910.00	1.73	7.70	-0.18	-2.09	1.17	2.82e-03
64	237	960.00	4.77	7.65	-0.34	1.12	1.06	9.67e-03
64	237	1010.00	1.03	0.19	-0.97	1.94	0.74	0.02
64	237	1060.00	0.31	0.95	-1.01	0.46	0.25	0.02
64	240	700.00	-14.12	-3.26	-0.80	-0.82	-0.21	8.62e-03
64	240	753.33	-14.12	-3.26	-0.80	-1.03	-0.21	8.96e-03
64	240	806.67	-11.15	-2.98	-0.78	0.47	-0.63	0.01
64	240	860.00	-8.31	-1.14	-0.73	2.42	-1.01	7.79e-03
64	240	910.00	-7.50	-10.08	0.18	2.17	-1.16	-2.83e-03
64	240	960.00	-10.05	-10.02	0.34	-2.23	-1.05	-0.01
64	240	1010.00	-4.39	-0.27	0.97	-2.55	-0.74	-0.02
64	240	1060.00	-1.44	-1.28	1.01	-0.72	-0.25	-0.02
64	264	700.00	-4.83	-0.65	5.09e-04	0.16	0.0	4.83e-04
64	264	753.33	-4.83	-0.65	5.09e-04	-0.18	2.72e-04	7.38e-04
64	264	806.67	-4.05	-0.55	1.88e-03	0.12	1.27e-03	7.56e-04
64	264	860.00	-3.36	-0.20	2.62e-03	0.56	2.67e-03	6.05e-04
64	264	910.00	-3.07	-2.07	-2.49e-04	0.06	2.55e-03	3.52e-05
64	264	960.00	-2.83	-2.07	-2.49e-04	-0.98	2.42e-03	-9.91e-05
64	264	1010.00	-1.79	-0.04	-2.31e-03	-0.53	1.27e-03	-2.78e-04
64	264	1060.00	-0.61	-0.25	-2.53e-03	-0.22	0.0	-2.00e-04
64	273	700.00	-3.49	-0.25	0.97	0.10	0.0	-8.34e-03
64	273	753.33	-3.49	-0.25	0.97	-0.04	0.52	-0.01
64	273	806.67	-2.98	-0.21	0.88	0.06	0.99	-0.01
64	273	860.00	-2.50	-0.08	0.73	0.21	1.38	-9.34e-03
64	273	910.00	-2.30	-0.75	-0.23	0.03	1.26	2.48e-03
64	273	960.00	-2.06	-0.75	-0.39	-0.35	1.07	7.71e-03
64	273	1010.00	-1.31	-0.02	-1.01	-0.19	0.56	0.02
64	273	1060.00	-0.44	-0.10	-1.12	-0.08	0.0	0.01
64	274	700.00	-3.60	-0.29	0.97	0.12	0.0	-8.42e-03
64	274	753.33	-3.60	-0.29	0.97	-0.04	0.52	-0.01
64	274	806.67	-3.07	-0.24	0.88	0.07	0.99	-0.01
64	274	860.00	-2.57	-0.09	0.73	0.24	1.38	-9.43e-03
64	274	910.00	-2.37	-0.88	-0.23	0.03	1.26	2.51e-03
64	274	960.00	-2.13	-0.88	-0.39	-0.41	1.07	7.80e-03
64	274	1010.00	-1.35	-0.03	-1.01	-0.22	0.56	0.02
64	274	1060.00	-0.45	-0.12	-1.12	-0.10	0.0	0.01
64	280	700.00	-5.00	-0.53	-0.29	0.20	0.0	3.17e-03
64	280	753.33	-5.00	-0.53	-0.29	-0.08	-0.15	4.81e-03
64	280	806.67	-4.23	-0.43	-0.26	0.12	-0.29	4.84e-03
64	280	860.00	-3.53	-0.17	-0.22	0.44	-0.41	3.63e-03
64	280	910.00	-3.23	-1.58	0.07	0.05	-0.38	-7.28e-04
64	280	960.00	-2.99	-1.58	0.12	-0.73	-0.32	-2.51e-03
64	280	1010.00	-1.90	-0.05	0.30	-0.40	-0.17	-5.93e-03
64	280	1060.00	-0.64	-0.23	0.33	-0.18	0.0	-4.61e-03
64	298	700.00	-4.52	-0.42	6.95e-04	0.16	0.0	5.37e-04
64	298	753.33	-4.52	-0.42	6.95e-04	-0.07	3.70e-04	8.20e-04
64	298	806.67	-3.83	-0.34	2.36e-03	0.09	1.63e-03	8.38e-04
64	298	860.00	-3.20	-0.13	3.27e-03	0.35	3.37e-03	6.59e-04
64	298	910.00	-2.93	-1.25	-3.19e-04	0.04	3.21e-03	-7.94e-06
64	298	960.00	-2.69	-1.25	-3.19e-04	-0.58	3.05e-03	-2.02e-04
64	298	1010.00	-1.71	-0.04	-3.12e-03	-0.32	1.49e-03	-5.10e-04
64	298	1060.00	-0.58	-0.17	-2.98e-03	-0.14	0.0	-3.86e-04
64	305	700.00	-4.49	-0.44	6.16e-04	0.15	0.0	4.88e-04
64	305	753.33	-4.49	-0.44	6.16e-04	-0.08	3.29e-04	7.46e-04
64	305	806.67	-3.80	-0.36	2.11e-03	0.09	1.45e-03	7.63e-04
64	305	860.00	-3.17	-0.14	2.93e-03	0.36	3.02e-03	6.02e-04
64	305	910.00	-2.90	-1.33	-2.85e-04	0.04	2.87e-03	0.0
64	305	960.00	-2.66	-1.33	-2.85e-04	-0.62	2.73e-03	-1.71e-04
64	305	1010.00	-1.69	-0.04	-2.76e-03	-0.34	1.35e-03	-4.36e-04
64	305	1060.00	-0.57	-0.18	-2.70e-03	-0.14	0.0	-3.28e-04
64	306	700.00	-3.91	-0.27	0.19	0.11	0.0	-1.54e-03
64	306	753.33	-3.91	-0.27	0.19	-0.04	0.10	-2.33e-03
64	306	806.67	-3.32	-0.23	0.18	0.06	0.20	-2.33e-03
64	306	860.00	-2.78	-0.09	0.15	0.23	0.28	-1.70e-03
64	306	910.00	-2.55	-0.82	-0.05	0.03	0.25	5.16e-04
64	306	960.00	-2.31	-0.82	-0.08	-0.38	0.21	1.54e-03
64	306	1010.00	-1.47	-0.02	-0.20	-0.21	0.11	3.61e-03
64	306	1060.00	-0.49	-0.11	-0.23	-0.09	0.0	2.82e-03
64	309	700.00	-4.01	-0.28	1.25e-04	0.11	0.0	1.57e-04
64	309	753.33	-4.01	-0.28	1.25e-04	-0.04	6.66e-05	2.44e-04
64	309	806.67	-3.41	-0.23	6.15e-04	0.06	3.95e-04	2.58e-04
64	309	860.00	-2.85	-0.09	8.65e-04	0.23	8.56e-04	2.13e-04
64	309	910.00	-2.61	-0.83	-8.41e-05	0.03	8.14e-04	2.54e-05

64	309	960.00	-2.37	-0.83	-8.41e-05	-0.38	7.72e-04	0.0
64	309	1010.00	-1.51	-0.02	-6.43e-04	-0.21	4.50e-04	-1.03e-05
64	309	1060.00	-0.51	-0.11	-9.01e-04	-0.09	0.0	0.0
64	310	700.00	-4.45	-0.40	6.13e-04	0.15	0.0	4.83e-04
64	310	753.33	-4.45	-0.40	6.13e-04	-0.06	3.27e-04	7.38e-04
64	310	806.67	-3.77	-0.33	2.11e-03	0.09	1.45e-03	7.55e-04
64	310	860.00	-3.15	-0.13	2.92e-03	0.33	3.01e-03	5.95e-04
64	310	910.00	-2.88	-1.19	-2.85e-04	0.04	2.87e-03	-3.17e-06
64	310	960.00	-2.64	-1.19	-2.85e-04	-0.55	2.73e-03	-1.73e-04
64	310	1010.00	-1.68	-0.04	-2.77e-03	-0.30	1.34e-03	-4.39e-04
64	310	1060.00	-0.57	-0.17	-2.68e-03	-0.13	0.0	-3.31e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-14.12	-19.88	-1.69	-5.48	-1.16	-0.02
	5.22	7.70	1.46	4.51	2.07	0.03

Macro	Tipo	Angolo 1-Z (gradi)
65	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
65	19	700.00	-4.55	-0.15	7.12e-03	0.16	-3.17e-03	1.46e-03
65	19	753.33	-4.55	-0.15	7.12e-03	0.09	6.24e-04	4.96e-04
65	19	806.67	-3.95	-0.16	-1.14e-03	0.17	1.50e-05	1.14e-03
65	19	860.00	-3.36	-0.19	-6.00e-03	0.18	-3.18e-03	1.34e-03
65	19	910.00	-2.88	-0.40	-6.08e-03	0.06	-6.22e-03	9.62e-04
65	19	960.00	-2.53	-0.40	-2.25e-03	-0.08	-7.35e-03	4.33e-06
65	19	1010.00	-1.91	-0.12	4.75e-03	0.09	-4.98e-03	-1.10e-03
65	19	1060.00	-1.05	-0.07	9.95e-03	0.25	0.0	-1.38e-03
65	35	700.00	-8.25	0.17	0.04	-0.69	-0.03	6.67e-03
65	35	753.33	-8.25	0.17	0.04	-0.60	-4.00e-03	1.75e-03
65	35	806.67	-7.02	0.01	9.88e-03	0.19	1.27e-03	2.71e-03
65	35	860.00	-5.85	-0.42	-0.01	0.61	-5.66e-03	3.90e-03
65	35	910.00	-5.03	-2.95	-0.02	-0.10	-0.01	3.46e-03
65	35	960.00	-5.28	-2.96	-8.63e-03	-1.12	-0.02	1.10e-03
65	35	1010.00	-4.22	-0.22	0.01	-0.17	-0.01	-1.89e-03
65	35	1060.00	-2.53	0.36	0.03	0.67	0.0	-3.04e-03
65	44	700.00	-8.18	0.21	0.05	-0.97	-0.03	5.14e-03
65	44	753.33	-8.18	0.21	0.05	-0.86	-1.61e-03	1.65e-04
65	44	806.67	-6.88	0.03	0.01	0.04	5.83e-03	1.47e-03
65	44	860.00	-5.65	-0.44	-9.56e-03	0.52	7.33e-04	3.17e-03
65	44	910.00	-4.79	-3.25	-0.02	-0.28	-7.20e-03	3.42e-03
65	44	960.00	-5.08	-3.25	-9.45e-03	-1.42	-0.01	1.92e-03
65	44	1010.00	-3.91	-0.28	5.94e-03	-0.45	-8.96e-03	-2.61e-04
65	44	1060.00	-2.17	0.34	0.02	0.42	0.0	-1.44e-03
65	66	700.00	-6.19	-0.60	1.42	0.32	-0.07	0.26
65	66	753.33	-6.19	-0.60	1.42	3.29e-03	0.69	0.29
65	66	806.67	-5.27	-0.60	1.17	0.32	1.31	0.20
65	66	860.00	-4.39	-0.72	0.82	0.51	1.75	0.09
65	66	910.00	-3.81	-1.93	-0.19	0.11	1.65	-0.07
65	66	960.00	-3.89	-1.93	-0.52	-0.49	1.39	-0.17
65	66	1010.00	-3.18	-0.52	-1.27	0.03	0.75	-0.27
65	66	1060.00	-1.95	-0.21	-1.50	0.49	0.0	-0.23
65	119	700.00	-7.69	-6.56	0.94	-4.80	-0.15	0.09
65	119	753.33	-7.69	-6.56	0.94	-4.77	-0.14	0.05
65	119	806.67	-3.35	-3.70	0.44	-1.08	0.11	9.89e-03
65	119	860.00	1.15	-6.26	-0.03	2.61	0.21	-2.44e-03
65	119	910.00	0.94	-21.41	0.02	1.74	0.24	-0.01
65	119	960.00	-4.85	-20.97	0.07	-4.98	0.24	-0.05
65	119	1010.00	-4.42	-4.03	-0.08	-4.99	0.18	-0.09
65	119	1060.00	-1.87	0.26	-0.23	-1.28	0.07	-0.03
65	139	700.00	8.18	-6.53	1.12	1.79	-0.05	0.16
65	139	753.33	8.18	-6.53	1.12	1.81	-0.04	0.12
65	139	806.67	6.88	-5.34	0.68	1.99	0.40	0.09
65	139	860.00	6.18	-5.43	0.39	2.39	0.68	0.05
65	139	910.00	4.67	-10.14	-0.04	1.97	0.78	-0.02
65	139	960.00	1.48	-9.92	-0.18	0.29	0.72	-0.07
65	139	1010.00	-0.25	-4.37	-0.55	0.24	0.52	-0.13
65	139	1060.00	-0.93	-3.14	-0.74	0.57	0.19	-0.11
65	141	700.00	12.89	-4.55	0.86	5.25	0.02	0.14
65	141	753.33	12.89	-4.55	0.86	5.28	0.04	0.12
65	141	806.67	9.03	-4.39	0.58	3.29	0.42	0.10

65	141	860.00	5.88	-3.25	0.45	1.61	0.68	0.05
65	141	910.00	4.27	-0.10	-0.05	1.48	0.78	-0.01
65	141	960.00	3.83	-0.08	-0.22	3.27	0.71	-0.06
65	141	1010.00	1.60	-3.20	-0.59	3.33	0.51	-0.11
65	141	1060.00	-0.45	-4.08	-0.73	1.60	0.18	-0.12
65	144	700.00	-23.44	4.65	-0.81	-5.94	-0.05	-0.14
65	144	753.33	-23.44	4.65	-0.81	-5.91	-0.03	-0.12
65	144	806.67	-18.12	4.33	-0.56	-3.16	-0.40	-0.10
65	144	860.00	-13.50	2.81	-0.46	-1.10	-0.67	-0.05
65	144	910.00	-10.76	-2.50	0.04	-1.65	-0.78	0.02
65	144	960.00	-10.07	-2.53	0.21	-4.38	-0.72	0.06
65	144	1010.00	-6.26	2.93	0.59	-3.61	-0.52	0.11
65	144	1060.00	-2.05	4.28	0.75	-1.11	-0.18	0.12
65	151	700.00	-7.98	-7.37	1.06	-5.34	-0.17	0.11
65	151	753.33	-7.98	-7.37	1.06	-5.31	-0.16	0.05
65	151	806.67	-3.19	-4.16	0.49	-1.21	0.12	0.01
65	151	860.00	1.75	-7.00	-0.03	2.90	0.24	-2.71e-03
65	151	910.00	1.46	-23.88	0.03	1.97	0.27	-0.02
65	151	960.00	-5.06	-23.39	0.08	-5.52	0.27	-0.06
65	151	1010.00	-4.68	-4.51	-0.09	-5.58	0.20	-0.10
65	151	1060.00	-1.95	0.28	-0.26	-1.47	0.08	-0.04
65	171	700.00	9.97	-7.37	1.26	2.08	-0.06	0.18
65	171	753.33	9.97	-7.37	1.26	2.11	-0.04	0.14
65	171	806.67	8.39	-6.03	0.77	2.24	0.45	0.10
65	171	860.00	7.48	-6.09	0.44	2.66	0.77	0.05
65	171	910.00	5.69	-11.23	-0.04	2.24	0.88	-0.02
65	171	960.00	2.09	-10.98	-0.20	0.42	0.82	-0.08
65	171	1010.00	0.02	-4.92	-0.63	0.31	0.59	-0.14
65	171	1060.00	-0.89	-3.57	-0.84	0.62	0.22	-0.13
65	173	700.00	15.27	-5.15	0.97	5.97	0.03	0.16
65	173	753.33	15.27	-5.15	0.97	6.00	0.04	0.14
65	173	806.67	10.81	-4.97	0.65	3.71	0.47	0.11
65	173	860.00	7.15	-3.65	0.50	1.78	0.77	0.06
65	173	910.00	5.26	0.04	-0.06	1.69	0.88	-0.02
65	173	960.00	4.73	0.08	-0.25	3.77	0.81	-0.07
65	173	1010.00	2.10	-3.60	-0.67	3.78	0.58	-0.13
65	173	1060.00	-0.34	-4.63	-0.83	1.77	0.21	-0.13
65	176	700.00	-25.82	5.25	-0.92	-6.66	-0.05	-0.15
65	176	753.33	-25.82	5.25	-0.92	-6.63	-0.04	-0.14
65	176	806.67	-19.90	4.90	-0.64	-3.57	-0.46	-0.11
65	176	860.00	-14.77	3.21	-0.52	-1.27	-0.76	-0.06
65	176	910.00	-11.74	-2.65	0.04	-1.85	-0.89	0.02
65	176	960.00	-10.97	-2.68	0.23	-4.88	-0.81	0.07
65	176	1010.00	-6.76	3.33	0.67	-4.05	-0.59	0.13
65	176	1060.00	-2.15	4.83	0.84	-1.28	-0.21	0.13
65	183	700.00	-7.86	-7.26	1.04	-5.23	-0.17	0.11
65	183	753.33	-7.86	-7.26	1.04	-5.21	-0.15	0.05
65	183	806.67	-3.13	-4.14	0.49	-1.14	0.13	0.01
65	183	860.00	1.58	-6.89	-0.01	2.87	0.25	-1.32e-03
65	183	910.00	1.34	-23.49	0.03	1.93	0.27	-0.02
65	183	960.00	-5.01	-23.00	0.07	-5.43	0.28	-0.06
65	183	1010.00	-4.63	-4.45	-0.10	-5.48	0.20	-0.10
65	183	1060.00	-1.93	0.24	-0.27	-1.43	0.08	-0.04
65	203	700.00	10.47	-7.44	1.27	2.22	-0.06	0.18
65	203	753.33	10.47	-7.44	1.27	2.25	-0.04	0.14
65	203	806.67	8.78	-6.12	0.78	2.32	0.46	0.10
65	203	860.00	7.68	-6.13	0.46	2.66	0.78	0.05
65	203	910.00	5.84	-11.04	-0.04	2.25	0.90	-0.02
65	203	960.00	2.25	-10.79	-0.21	0.52	0.83	-0.08
65	203	1010.00	0.09	-4.97	-0.64	0.40	0.60	-0.14
65	203	1060.00	-0.88	-3.68	-0.85	0.65	0.22	-0.13
65	205	700.00	15.74	-5.27	0.99	6.06	0.03	0.16
65	205	753.33	15.74	-5.27	0.99	6.09	0.04	0.14
65	205	806.67	11.19	-5.08	0.67	3.76	0.48	0.11
65	205	860.00	7.45	-3.75	0.51	1.80	0.78	0.06
65	205	910.00	5.48	0.03	-0.06	1.72	0.90	-0.02
65	205	960.00	4.87	0.07	-0.25	3.83	0.82	-0.07
65	205	1010.00	2.15	-3.69	-0.68	3.82	0.59	-0.13
65	205	1060.00	-0.34	-4.73	-0.84	1.79	0.21	-0.14
65	208	700.00	-26.30	5.37	-0.94	-6.75	-0.05	-0.16
65	208	753.33	-26.30	5.37	-0.94	-6.72	-0.04	-0.14
65	208	806.67	-20.28	5.02	-0.65	-3.62	-0.46	-0.11
65	208	860.00	-15.07	3.31	-0.52	-1.29	-0.78	-0.06
65	208	910.00	-11.96	-2.64	0.04	-1.89	-0.90	0.02
65	208	960.00	-11.11	-2.68	0.24	-4.93	-0.83	0.07

65	208	1010.00	-6.81	3.42	0.68	-4.10	-0.60	0.13
65	208	1060.00	-2.15	4.93	0.86	-1.30	-0.21	0.13
65	215	700.00	-8.28	-8.50	1.22	-6.04	-0.19	0.12
65	215	753.33	-8.28	-8.50	1.22	-6.01	-0.18	0.06
65	215	806.67	-2.90	-4.85	0.57	-1.34	0.15	0.02
65	215	860.00	2.46	-8.00	-0.01	3.31	0.29	-1.33e-03
65	215	910.00	2.11	-27.18	0.03	2.27	0.32	-0.02
65	215	960.00	-5.31	-26.62	0.08	-6.24	0.33	-0.07
65	215	1010.00	-5.01	-5.18	-0.12	-6.37	0.24	-0.11
65	215	1060.00	-2.03	0.26	-0.32	-1.71	0.10	-0.05
65	235	700.00	13.50	-8.80	1.50	2.75	-0.06	0.21
65	235	753.33	13.50	-8.80	1.50	2.78	-0.05	0.17
65	235	806.67	11.31	-7.25	0.92	2.76	0.54	0.12
65	235	860.00	9.81	-7.18	0.54	3.09	0.93	0.06
65	235	910.00	7.53	-12.66	-0.05	2.67	1.07	-0.02
65	235	960.00	3.29	-12.36	-0.24	0.77	0.99	-0.10
65	235	1010.00	0.56	-5.85	-0.76	0.55	0.71	-0.17
65	235	1060.00	-0.80	-4.41	-1.01	0.74	0.26	-0.16
65	237	700.00	19.67	-6.28	1.17	7.23	0.04	0.19
65	237	753.33	19.67	-6.28	1.17	7.26	0.05	0.16
65	237	806.67	14.15	-6.03	0.79	4.43	0.56	0.13
65	237	860.00	9.57	-4.42	0.61	2.09	0.93	0.07
65	237	910.00	7.12	0.24	-0.07	2.06	1.07	-0.02
65	237	960.00	6.35	0.28	-0.30	4.62	0.97	-0.08
65	237	1010.00	2.96	-4.36	-0.81	4.54	0.70	-0.15
65	237	1060.00	-0.18	-5.63	-1.00	2.07	0.25	-0.16
65	240	700.00	-30.23	6.38	-1.12	-7.92	-0.06	-0.19
65	240	753.33	-30.23	6.38	-1.12	-7.89	-0.05	-0.17
65	240	806.67	-23.23	5.97	-0.77	-4.30	-0.55	-0.13
65	240	860.00	-17.19	3.98	-0.62	-1.58	-0.92	-0.07
65	240	910.00	-13.60	-2.84	0.05	-2.23	-1.07	0.02
65	240	960.00	-12.59	-2.89	0.29	-5.73	-0.98	0.09
65	240	1010.00	-7.62	4.09	0.81	-4.81	-0.71	0.15
65	240	1060.00	-2.31	5.83	1.02	-1.58	-0.25	0.16
65	248	700.00	-4.89	-0.07	8.17e-03	0.03	-3.77e-03	1.53e-03
65	248	753.33	-4.89	-0.07	8.17e-03	-5.02e-03	5.88e-04	5.43e-04
65	248	806.67	-4.22	-0.10	-7.73e-04	0.15	1.76e-04	1.19e-03
65	248	860.00	-3.57	-0.17	-6.26e-03	0.21	-3.17e-03	1.43e-03
65	248	910.00	-3.05	-0.60	-6.56e-03	0.02	-6.45e-03	1.06e-03
65	248	960.00	-2.74	-0.61	-2.54e-03	-0.20	-7.72e-03	5.64e-05
65	248	1010.00	-2.06	-0.09	4.95e-03	0.05	-5.25e-03	-1.11e-03
65	248	1060.00	-1.13	3.75e-03	0.01	0.27	0.0	-1.43e-03
65	259	700.00	-6.03	0.06	0.03	-0.44	-0.02	4.76e-03
65	259	753.33	-6.03	0.06	0.03	-0.41	-2.92e-03	1.26e-03
65	259	806.67	-5.12	-0.05	6.80e-03	0.14	7.02e-04	1.93e-03
65	259	860.00	-4.26	-0.34	-9.14e-03	0.43	-4.17e-03	2.74e-03
65	259	910.00	-3.66	-2.10	-0.01	-0.08	-0.01	2.41e-03
65	259	960.00	-3.81	-2.11	-5.95e-03	-0.80	-0.01	7.39e-04
65	259	1010.00	-3.02	-0.20	8.03e-03	-0.14	-9.39e-03	-1.37e-03
65	259	1060.00	-1.79	0.20	0.02	0.45	0.0	-2.17e-03
65	264	700.00	-5.98	0.08	0.03	-0.63	-0.02	3.74e-03
65	264	753.33	-5.98	0.08	0.03	-0.58	-1.33e-03	2.05e-04
65	264	806.67	-5.03	-0.04	9.51e-03	0.03	3.74e-03	1.11e-03
65	264	860.00	-4.13	-0.36	-6.86e-03	0.36	8.80e-05	2.25e-03
65	264	910.00	-3.50	-2.30	-0.01	-0.20	-5.48e-03	2.38e-03
65	264	960.00	-3.68	-2.30	-6.50e-03	-1.00	-8.73e-03	1.28e-03
65	264	1010.00	-2.82	-0.24	4.48e-03	-0.33	-6.49e-03	-2.79e-04
65	264	1060.00	-1.56	0.18	0.01	0.29	0.0	-1.10e-03
65	274	700.00	-4.65	-0.45	0.95	0.23	-0.05	0.18
65	274	753.33	-4.65	-0.45	0.95	-7.39e-03	0.46	0.20
65	274	806.67	-3.96	-0.46	0.78	0.22	0.87	0.13
65	274	860.00	-3.29	-0.55	0.54	0.36	1.16	0.06
65	274	910.00	-2.85	-1.42	-0.13	0.06	1.10	-0.05
65	274	960.00	-2.88	-1.42	-0.35	-0.38	0.92	-0.11
65	274	1010.00	-2.34	-0.40	-0.85	-6.74e-03	0.50	-0.18
65	274	1060.00	-1.41	-0.18	-1.00	0.33	0.0	-0.15
65	301	700.00	-5.37	0.04	0.02	-0.32	-0.01	2.32e-03
65	301	753.33	-5.37	0.04	0.02	-0.29	1.16e-03	-4.53e-04
65	301	806.67	-4.62	-0.04	6.95e-03	0.09	4.87e-03	7.49e-04
65	301	860.00	-3.88	-0.23	-6.45e-03	0.29	1.43e-03	1.86e-03
65	301	910.00	-3.31	-1.35	-9.79e-03	-0.06	-3.47e-03	2.06e-03
65	301	960.00	-3.22	-1.36	-5.97e-03	-0.54	-6.45e-03	1.22e-03
65	301	1010.00	-2.44	-0.14	2.94e-03	-0.10	-4.98e-03	-3.76e-05
65	301	1060.00	-1.35	0.11	9.97e-03	0.30	0.0	-7.48e-04
65	302	700.00	-5.07	-0.05	0.01	-0.10	-5.42e-03	1.79e-03

65	302	753.33	-5.07	-0.05	0.01	-0.12	-2.70e-05	6.35e-04
65	302	806.67	-4.32	-0.10	1.91e-04	0.11	7.46e-05	1.19e-03
65	302	860.00	-3.61	-0.21	-5.97e-03	0.22	-3.11e-03	1.45e-03
65	302	910.00	-3.07	-0.93	-6.59e-03	-0.04	-6.40e-03	1.11e-03
65	302	960.00	-2.85	-0.93	-2.63e-03	-0.38	-7.72e-03	1.15e-04
65	302	1010.00	-2.13	-0.13	4.94e-03	-0.06	-5.25e-03	-1.06e-03
65	302	1060.00	-1.14	0.02	0.01	0.23	0.0	-1.39e-03
65	305	700.00	-5.37	0.06	0.03	-0.41	-0.01	1.94e-03
65	305	753.33	-5.37	0.06	0.03	-0.38	1.74e-03	-8.67e-04
65	305	806.67	-4.59	-0.03	8.13e-03	0.05	6.08e-03	4.17e-04
65	305	860.00	-3.83	-0.24	-5.51e-03	0.26	3.14e-03	1.67e-03
65	305	910.00	-3.25	-1.47	-9.25e-03	-0.12	-1.48e-03	2.06e-03
65	305	960.00	-3.17	-1.47	-6.20e-03	-0.64	-4.58e-03	1.44e-03
65	305	1010.00	-2.37	-0.15	1.52e-03	-0.19	-3.83e-03	4.03e-04
65	305	1060.00	-1.25	0.11	7.65e-03	0.23	0.0	-3.16e-04
65	306	700.00	-4.97	-0.13	0.20	-0.07	-0.01	0.04
65	306	753.33	-4.97	-0.13	0.20	-0.14	0.09	0.04
65	306	806.67	-4.23	-0.17	0.16	0.11	0.18	0.03
65	306	860.00	-3.52	-0.28	0.10	0.23	0.23	0.01
65	306	910.00	-2.99	-1.07	-0.03	-0.04	0.22	-8.70e-03
65	306	960.00	-2.83	-1.07	-0.07	-0.42	0.18	-0.02
65	306	1010.00	-2.13	-0.20	-0.17	-0.09	0.10	-0.04
65	306	1060.00	-1.15	-0.02	-0.19	0.22	0.0	-0.03
65	309	700.00	-5.11	-0.05	0.01	-0.13	-5.83e-03	1.86e-03
65	309	753.33	-5.11	-0.05	0.01	-0.15	-1.81e-04	6.58e-04
65	309	806.67	-4.35	-0.10	4.31e-04	0.10	4.93e-05	1.18e-03
65	309	860.00	-3.62	-0.23	-5.89e-03	0.22	-3.09e-03	1.46e-03
65	309	910.00	-3.07	-1.01	-6.60e-03	-0.06	-6.39e-03	1.12e-03
65	309	960.00	-2.88	-1.02	-2.65e-03	-0.42	-7.72e-03	1.30e-04
65	309	1010.00	-2.15	-0.15	4.94e-03	-0.08	-5.25e-03	-1.04e-03
65	309	1060.00	-1.15	0.02	0.01	0.23	0.0	-1.38e-03
65	310	700.00	-5.28	0.05	0.03	-0.34	-0.01	1.81e-03
65	310	753.33	-5.28	0.05	0.03	-0.32	2.05e-03	-9.13e-04
65	310	806.67	-4.54	-0.03	7.65e-03	0.07	6.13e-03	4.19e-04
65	310	860.00	-3.81	-0.22	-5.66e-03	0.26	3.11e-03	1.66e-03
65	310	910.00	-3.24	-1.30	-9.23e-03	-0.08	-1.51e-03	2.03e-03
65	310	960.00	-3.12	-1.30	-6.16e-03	-0.55	-4.58e-03	1.41e-03
65	310	1010.00	-2.33	-0.13	1.52e-03	-0.14	-3.82e-03	3.75e-04
65	310	1060.00	-1.25	0.10	7.65e-03	0.25	0.0	-3.36e-04

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-30.23	-27.18	-1.50	-7.92	-1.07	-0.27
			19.67	6.38	1.50	7.26	1.75	0.29

Macro	Tipo	Angolo 1-Z (gradi)
66	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
66	44	700.00	-26.14	-0.97	0.27	6.06	0.0	-8.21e-03
66	44	753.33	-26.14	-0.97	0.27	5.54	0.15	-9.30e-03
66	44	806.67	-24.67	-1.09	0.11	6.29	0.21	-4.58e-03
66	44	860.00	-22.26	-2.44	-0.06	6.19	0.17	6.39e-06
66	44	910.00	-19.64	-6.94	-0.16	3.79	0.09	4.75e-03
66	44	960.00	-15.16	-6.96	-0.14	-1.56	0.02	7.09e-03
66	44	1010.00	-10.47	-0.36	-0.06	-0.06	-8.00e-03	7.86e-03
66	44	1060.00	-5.24	1.08	0.02	1.34	0.0	5.62e-03
66	69	700.00	-13.59	0.04	2.26	2.72	0.0	0.09
66	69	753.33	-13.59	0.04	2.26	2.74	1.20	0.13
66	69	806.67	-12.62	-0.23	1.26	2.57	1.88	0.07
66	69	860.00	-11.16	-0.51	0.48	2.34	2.13	0.01
66	69	910.00	-9.69	-1.27	-0.26	1.83	2.00	-0.03
66	69	960.00	-7.88	-1.27	-0.48	0.82	1.76	-0.09
66	69	1010.00	-5.58	-0.19	-1.40	0.95	1.06	-0.12
66	69	1060.00	-2.70	0.07	-2.13	0.89	0.0	-0.09
66	70	700.00	-15.73	-9.82e-03	2.23	4.08	0.0	0.09
66	70	753.33	-15.73	-9.82e-03	2.23	4.08	1.19	0.13
66	70	806.67	-14.56	-0.32	1.23	3.82	1.85	0.07
66	70	860.00	-12.92	-0.66	0.46	3.53	2.09	0.01
66	70	910.00	-11.32	-1.69	-0.28	2.85	1.96	-0.03
66	70	960.00	-9.28	-1.69	-0.47	1.48	1.72	-0.10
66	70	1010.00	-6.90	-0.28	-1.36	1.64	1.04	-0.12

66	70	1060.00	-3.71	0.06	-2.08	1.48	0.0	-0.09
66	83	700.00	-30.03	0.34	-0.40	7.59	0.0	-0.03
66	83	753.33	-30.03	0.34	-0.40	7.77	-0.22	-0.05
66	83	806.67	-27.82	-0.05	-0.29	7.95	-0.37	-0.02
66	83	860.00	-24.60	-0.83	-0.24	7.93	-0.50	-3.21e-03
66	83	910.00	-21.24	-4.04	-0.11	6.24	-0.55	0.01
66	83	960.00	-16.42	-4.04	-2.50e-03	2.12	-0.56	0.03
66	83	1010.00	-11.78	0.12	0.40	2.44	-0.36	0.04
66	83	1060.00	-6.25	0.97	0.71	2.50	0.0	0.03
66	116	700.00	3.40	-22.23	0.23	10.45	0.05	-0.05
66	116	753.33	3.40	-22.23	0.23	10.59	0.14	-0.05
66	116	806.67	-2.23	-17.92	0.09	7.12	0.26	-0.04
66	116	860.00	-10.47	-28.83	-0.08	11.57	0.28	-0.02
66	116	910.00	-15.45	-56.99	-0.15	0.06	0.24	-0.01
66	116	960.00	-11.42	-55.98	-0.19	-27.74	0.18	-8.60e-03
66	116	1010.00	-6.73	-10.05	-0.16	-22.92	0.13	-0.02
66	116	1060.00	-2.84	2.72	-0.20	-6.54	0.05	-0.02
66	118	700.00	-50.52	21.42	-0.30	-1.24	-0.16	5.47e-03
66	118	753.33	-50.52	21.42	-0.30	-1.09	-0.06	4.02e-03
66	118	806.67	-43.91	17.29	-0.19	0.02	-0.28	6.66e-03
66	118	860.00	-29.71	26.17	-0.13	-3.00	-0.44	5.07e-03
66	118	910.00	-19.57	46.14	-0.05	5.26	-0.54	7.19e-03
66	118	960.00	-14.70	45.37	0.04	24.44	-0.57	0.02
66	118	1010.00	-9.94	10.14	0.39	19.55	-0.47	0.05
66	118	1060.00	-4.35	-0.89	0.72	6.95	-0.18	0.05
66	119	700.00	14.20	-20.86	0.67	8.03	0.16	-0.02
66	119	753.33	14.20	-20.86	0.67	8.18	0.26	-0.02
66	119	806.67	10.18	-17.24	0.36	7.33	0.56	-0.01
66	119	860.00	0.05	-27.00	0.07	10.34	0.70	-6.22e-03
66	119	910.00	-5.80	-50.37	-0.14	0.31	0.70	-1.04e-03
66	119	960.00	-4.75	-49.60	-0.22	-23.24	0.63	-0.01
66	119	1010.00	-3.23	-9.87	-0.50	-17.98	0.48	-0.04
66	119	1060.00	-1.78	2.09	-0.74	-5.07	0.18	-0.04
66	140	700.00	-35.29	-7.22	-0.65	5.85	-0.21	-0.07
66	140	753.33	-35.29	-7.22	-0.65	6.00	-0.11	-0.07
66	140	806.67	-31.10	-5.96	-0.44	7.23	-0.41	-0.06
66	140	860.00	-29.23	-9.94	-0.33	9.35	-0.64	-0.04
66	140	910.00	-27.22	-21.66	-0.13	3.63	-0.76	-0.02
66	140	960.00	-24.41	-21.73	-0.06	-12.66	-0.80	0.01
66	140	1010.00	-13.90	-2.23	0.57	-13.46	-0.66	0.03
66	140	1060.00	-5.09	2.70	1.01	-3.22	-0.26	0.04
66	148	700.00	5.99	-25.02	0.24	11.34	0.05	-0.06
66	148	753.33	5.99	-25.02	0.24	11.49	0.15	-0.06
66	148	806.67	-0.49	-20.14	0.09	7.54	0.27	-0.05
66	148	860.00	-10.00	-32.35	-0.09	12.56	0.30	-0.03
66	148	910.00	-15.85	-63.79	-0.16	-0.28	0.26	-0.01
66	148	960.00	-11.67	-62.66	-0.20	-31.25	0.20	-0.01
66	148	1010.00	-6.77	-11.31	-0.17	-25.87	0.14	-0.02
66	148	1060.00	-2.82	2.99	-0.22	-7.47	0.05	-0.02
66	150	700.00	-54.52	24.01	-0.36	-1.81	-0.18	6.78e-03
66	150	753.33	-54.52	24.01	-0.36	-1.66	-0.08	5.29e-03
66	150	806.67	-47.27	19.41	-0.23	-0.41	-0.33	7.86e-03
66	150	860.00	-31.55	29.43	-0.14	-3.80	-0.51	5.73e-03
66	150	910.00	-20.43	52.06	-0.05	5.57	-0.62	7.69e-03
66	150	960.00	-15.33	51.19	0.05	27.36	-0.65	0.03
66	150	1010.00	-10.36	11.37	0.45	21.85	-0.53	0.05
66	150	1060.00	-4.51	-1.07	0.81	7.69	-0.21	0.06
66	151	700.00	18.20	-23.46	0.74	8.60	0.18	-0.02
66	151	753.33	18.20	-23.46	0.74	8.75	0.28	-0.02
66	151	806.67	13.54	-19.35	0.39	7.76	0.62	-0.02
66	151	860.00	1.89	-30.25	0.08	11.15	0.77	-6.87e-03
66	151	910.00	-4.94	-56.29	-0.15	-4.88e-03	0.77	-1.54e-03
66	151	960.00	-4.12	-55.43	-0.24	-26.17	0.71	-0.02
66	151	1010.00	-2.81	-11.09	-0.55	-20.28	0.54	-0.04
66	151	1060.00	-1.62	2.27	-0.84	-5.81	0.21	-0.05
66	172	700.00	-37.57	-8.17	-0.76	6.21	-0.24	-0.08
66	172	753.33	-37.57	-8.17	-0.76	6.36	-0.14	-0.08
66	172	806.67	-33.00	-6.72	-0.51	7.72	-0.49	-0.07
66	172	860.00	-31.13	-11.15	-0.37	10.11	-0.74	-0.04
66	172	910.00	-29.12	-24.14	-0.13	3.76	-0.88	-0.02
66	172	960.00	-26.32	-24.22	-0.06	-14.34	-0.91	0.01
66	172	1010.00	-14.86	-2.52	0.66	-15.27	-0.75	0.04
66	172	1060.00	-5.35	2.97	1.14	-3.75	-0.29	0.04
66	180	700.00	5.22	-24.74	0.23	11.36	0.05	-0.06
66	180	753.33	5.22	-24.74	0.23	11.51	0.15	-0.06

66	180	806.67	-1.16	-19.89	0.08	7.50	0.26	-0.05
66	180	860.00	-10.45	-31.94	-0.09	12.49	0.28	-0.03
66	180	910.00	-16.17	-63.13	-0.15	-0.25	0.24	-0.01
66	180	960.00	-11.89	-62.01	-0.19	-30.95	0.19	-9.89e-03
66	180	1010.00	-6.89	-11.17	-0.16	-25.64	0.13	-0.02
66	180	1060.00	-2.87	2.98	-0.20	-7.39	0.05	-0.02
66	202	700.00	-54.59	5.98	-0.93	3.19	-0.31	-0.06
66	202	753.33	-54.59	5.98	-0.93	3.34	-0.21	-0.06
66	202	806.67	-47.30	4.80	-0.59	5.15	-0.66	-0.05
66	202	860.00	-37.89	6.67	-0.38	5.25	-0.97	-0.03
66	202	910.00	-30.93	8.67	-0.10	5.30	-1.12	-0.01
66	202	960.00	-26.94	8.14	0.02	2.59	-1.15	0.02
66	202	1010.00	-15.74	3.99	0.83	-1.28	-0.94	0.06
66	202	1060.00	-5.81	1.70	1.43	0.67	-0.36	0.07
66	203	700.00	18.27	-5.43	1.30	3.60	0.31	0.05
66	203	753.33	18.27	-5.43	1.30	3.75	0.41	0.05
66	203	806.67	13.57	-4.74	0.76	2.20	0.95	0.04
66	203	860.00	8.23	-7.49	0.32	2.10	1.22	0.03
66	203	910.00	5.56	-12.90	-0.10	0.26	1.28	0.02
66	203	960.00	7.49	-12.38	-0.21	-1.39	1.22	-0.01
66	203	1010.00	2.56	-3.71	-0.94	2.86	0.95	-0.05
66	203	1060.00	-0.32	-0.49	-1.46	1.21	0.36	-0.06
66	204	700.00	-38.16	-8.25	-0.78	6.50	-0.25	-0.08
66	204	753.33	-38.16	-8.25	-0.78	6.65	-0.15	-0.08
66	204	806.67	-33.51	-6.79	-0.52	8.01	-0.51	-0.07
66	204	860.00	-31.56	-11.22	-0.38	10.35	-0.76	-0.04
66	204	910.00	-29.48	-24.27	-0.13	3.94	-0.90	-0.02
66	204	960.00	-26.66	-24.34	-0.05	-14.37	-0.94	0.01
66	204	1010.00	-15.07	-2.51	0.68	-15.33	-0.77	0.04
66	204	1060.00	-5.41	3.00	1.18	-3.75	-0.30	0.04
66	212	700.00	8.84	-29.01	0.23	12.82	0.05	-0.07
66	212	753.33	8.84	-29.01	0.23	12.97	0.15	-0.06
66	212	806.67	1.19	-23.29	0.07	8.07	0.28	-0.06
66	212	860.00	-10.02	-37.31	-0.10	14.04	0.30	-0.03
66	212	910.00	-17.04	-73.59	-0.16	-0.74	0.26	-0.02
66	212	960.00	-12.42	-72.27	-0.21	-36.35	0.20	-0.01
66	212	1010.00	-7.04	-13.10	-0.17	-30.18	0.14	-0.02
66	212	1060.00	-2.86	3.39	-0.22	-8.83	0.05	-0.03
66	234	700.00	-61.10	6.83	-1.14	3.31	-0.36	-0.08
66	234	753.33	-61.10	6.83	-1.14	3.45	-0.27	-0.07
66	234	806.67	-52.78	5.50	-0.72	5.60	-0.81	-0.06
66	234	860.00	-42.07	7.72	-0.45	5.68	-1.17	-0.04
66	234	910.00	-34.28	10.22	-0.10	5.82	-1.35	-0.02
66	234	960.00	-30.12	9.61	0.04	2.78	-1.38	0.03
66	234	1010.00	-17.43	4.61	1.00	-1.80	-1.11	0.07
66	234	1060.00	-6.32	1.91	1.70	0.59	-0.43	0.08
66	235	700.00	24.78	-6.27	1.51	3.49	0.36	0.06
66	235	753.33	24.78	-6.27	1.51	3.64	0.46	0.06
66	235	806.67	19.05	-5.44	0.89	1.75	1.10	0.05
66	235	860.00	12.40	-8.54	0.39	1.66	1.43	0.04
66	235	910.00	8.91	-14.45	-0.10	-0.25	1.51	0.02
66	235	960.00	10.67	-13.85	-0.23	-1.58	1.44	-0.02
66	235	1010.00	4.26	-4.33	-1.10	3.38	1.13	-0.06
66	235	1060.00	0.18	-0.70	-1.73	1.30	0.43	-0.07
66	236	700.00	-42.00	-9.79	-0.97	7.20	-0.30	-0.10
66	236	753.33	-42.00	-9.79	-0.97	7.35	-0.20	-0.10
66	236	806.67	-36.70	-8.03	-0.64	8.90	-0.63	-0.08
66	236	860.00	-34.74	-13.17	-0.44	11.65	-0.93	-0.05
66	236	910.00	-32.64	-28.25	-0.14	4.24	-1.09	-0.02
66	236	960.00	-29.83	-28.33	-0.05	-17.03	-1.13	0.02
66	236	1010.00	-16.67	-2.98	0.82	-18.21	-0.92	0.05
66	236	1060.00	-5.85	3.44	1.41	-4.59	-0.35	0.05
66	264	700.00	-19.15	-0.63	0.19	4.27	0.0	-5.57e-03
66	264	753.33	-19.15	-0.63	0.19	3.93	0.10	-6.28e-03
66	264	806.67	-17.99	-0.74	0.07	4.37	0.14	-3.06e-03
66	264	860.00	-16.17	-1.67	-0.05	4.27	0.12	6.16e-05
66	264	910.00	-14.22	-4.74	-0.11	2.62	0.06	3.26e-03
66	264	960.00	-11.02	-4.75	-0.10	-1.04	0.01	4.80e-03
66	264	1010.00	-7.61	-0.24	-0.04	-6.74e-04	-7.10e-03	5.28e-03
66	264	1060.00	-3.78	0.74	0.01	0.96	0.0	3.75e-03
66	273	700.00	-15.01	0.11	1.54	2.95	0.0	0.06
66	273	753.33	-15.01	0.11	1.54	3.01	0.82	0.08
66	273	806.67	-13.87	-0.16	0.85	2.85	1.28	0.04
66	273	860.00	-12.20	-0.46	0.31	2.65	1.44	8.36e-03
66	273	910.00	-10.53	-1.44	-0.20	2.04	1.34	-0.02

66	273	960.00	-8.43	-1.44	-0.33	0.75	1.17	-0.06
66	273	1010.00	-5.92	-0.08	-0.93	0.92	0.70	-0.08
66	273	1060.00	-2.87	0.22	-1.41	0.94	0.0	-0.06
66	274	700.00	-16.44	0.08	1.52	3.86	0.0	0.06
66	274	753.33	-16.44	0.08	1.52	3.91	0.81	0.08
66	274	806.67	-15.16	-0.22	0.83	3.68	1.26	0.04
66	274	860.00	-13.37	-0.56	0.29	3.44	1.41	8.89e-03
66	274	910.00	-11.61	-1.72	-0.21	2.72	1.31	-0.02
66	274	960.00	-9.36	-1.72	-0.33	1.19	1.14	-0.06
66	274	1010.00	-6.80	-0.14	-0.91	1.38	0.69	-0.08
66	274	1060.00	-3.54	0.21	-1.37	1.34	0.0	-0.06
66	283	700.00	-21.74	0.25	-0.26	5.29	0.0	-0.02
66	283	753.33	-21.74	0.25	-0.26	5.42	-0.14	-0.03
66	283	806.67	-20.09	-0.05	-0.19	5.48	-0.24	-0.02
66	283	860.00	-17.73	-0.59	-0.17	5.43	-0.33	-2.08e-03
66	283	910.00	-15.29	-2.80	-0.08	4.25	-0.37	8.17e-03
66	283	960.00	-11.85	-2.81	-4.82e-03	1.41	-0.37	0.02
66	283	1010.00	-8.48	0.08	0.27	1.66	-0.24	0.03
66	283	1060.00	-4.45	0.67	0.48	1.73	0.0	0.02
66	301	700.00	-18.74	0.26	0.18	3.76	0.0	-5.74e-03
66	301	753.33	-18.74	0.26	0.18	3.90	0.10	-6.66e-03
66	301	806.67	-17.38	2.47e-03	0.08	4.01	0.14	-3.47e-03
66	301	860.00	-15.30	-0.45	-0.04	3.99	0.12	-3.59e-04
66	301	910.00	-13.12	-2.23	-0.10	3.05	0.07	2.92e-03
66	301	960.00	-10.10	-2.23	-0.09	0.77	0.02	4.64e-03
66	301	1010.00	-6.94	0.12	-0.04	0.97	-8.84e-04	5.27e-03
66	301	1060.00	-3.34	0.60	1.77e-03	1.10	0.0	3.80e-03
66	305	700.00	-18.02	0.10	0.19	3.37	0.0	-6.23e-03
66	305	753.33	-18.02	0.10	0.19	3.43	0.10	-7.29e-03
66	305	806.67	-16.77	-0.12	0.08	3.62	0.14	-3.88e-03
66	305	860.00	-14.81	-0.64	-0.03	3.60	0.13	-5.22e-04
66	305	910.00	-12.72	-2.56	-0.10	2.59	0.08	3.13e-03
66	305	960.00	-9.77	-2.57	-0.09	0.18	0.03	5.18e-03
66	305	1010.00	-6.60	0.07	-0.05	0.53	5.78e-03	6.05e-03
66	305	1060.00	-3.07	0.63	-0.01	0.86	0.0	4.43e-03
66	306	700.00	-16.16	0.20	0.38	2.93	0.0	0.01
66	306	753.33	-16.16	0.20	0.38	3.04	0.20	0.01
66	306	806.67	-14.77	-0.07	0.19	2.83	0.30	7.95e-03
66	306	860.00	-12.88	-0.37	0.03	2.64	0.32	1.87e-03
66	306	910.00	-11.01	-1.50	-0.09	1.98	0.27	-2.48e-03
66	306	960.00	-8.67	-1.50	-0.10	0.50	0.22	-0.01
66	306	1010.00	-6.02	0.07	-0.19	0.75	0.13	-0.01
66	306	1060.00	-2.89	0.37	-0.26	0.90	0.0	-0.01
66	309	700.00	-16.45	0.22	0.09	2.93	0.0	-2.03e-03
66	309	753.33	-16.45	0.22	0.09	3.05	0.05	-2.17e-03
66	309	806.67	-14.99	-0.04	0.02	2.82	0.06	-9.02e-04
66	309	860.00	-13.04	-0.35	-0.04	2.64	0.04	2.52e-04
66	309	910.00	-11.13	-1.51	-0.06	1.96	8.75e-03	1.22e-03
66	309	960.00	-8.74	-1.52	-0.05	0.44	-0.01	1.41e-03
66	309	1010.00	-6.04	0.10	-2.83e-03	0.70	-0.02	1.22e-03
66	309	1060.00	-2.90	0.41	0.03	0.88	0.0	7.47e-04
66	310	700.00	-18.16	0.28	0.19	3.40	0.0	-6.25e-03
66	310	753.33	-18.16	0.28	0.19	3.54	0.10	-7.33e-03
66	310	806.67	-16.86	0.03	0.08	3.68	0.14	-3.93e-03
66	310	860.00	-14.83	-0.41	-0.03	3.67	0.13	-5.70e-04
66	310	910.00	-12.69	-2.11	-0.10	2.78	0.08	3.08e-03
66	310	960.00	-9.73	-2.12	-0.09	0.60	0.03	5.12e-03
66	310	1010.00	-6.59	0.14	-0.05	0.79	5.74e-03	5.99e-03
66	310	1060.00	-3.07	0.60	-0.01	0.94	0.0	4.38e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-61.10	-73.59	-2.13	-36.35	-1.38	-0.12
	24.78	52.06	2.26	27.36	2.13	0.13

Macro	Tipo	Angolo 1-Z (gradi)
67	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
67	44	700.00	-3.39	-7.35	0.01	1.65	0.0	6.99e-03
67	44	753.33	-3.39	-7.35	0.01	-2.27	6.96e-03	9.91e-03
67	44	806.67	-2.35	-7.15	4.29e-04	-2.80	7.19e-03	6.47e-03

67	44	860.00	-1.10	-6.23	-0.01	-2.94	0.0	2.80e-03
67	69	700.00	-1.52	-0.91	0.68	0.08	0.0	-0.17
67	69	753.33	-1.52	-0.91	0.68	-0.41	0.37	-0.25
67	69	806.67	-1.02	-0.94	-0.07	-0.48	0.33	-0.17
67	69	860.00	-0.45	-0.87	-0.61	-0.48	0.0	-0.08
67	70	700.00	-1.69	-1.34	0.68	0.10	0.0	-0.17
67	70	753.33	-1.69	-1.34	0.68	-0.61	0.36	-0.25
67	70	806.67	-1.15	-1.38	-0.07	-0.69	0.32	-0.18
67	70	860.00	-0.51	-1.26	-0.61	-0.68	0.0	-0.08
67	76	700.00	-3.70	-5.65	-0.19	0.87	0.0	0.06
67	76	753.33	-3.70	-5.65	-0.19	-2.14	-0.10	0.09
67	76	806.67	-2.56	-5.63	0.02	-2.48	-0.09	0.06
67	76	860.00	-1.17	-4.95	0.16	-2.45	0.0	0.03
67	116	700.00	-2.93	-41.04	0.04	4.62	-0.02	-0.03
67	116	753.33	-2.93	-41.04	0.04	3.13	-0.01	-0.02
67	116	806.67	-2.41	-39.52	-6.55e-03	-0.29	-0.04	-0.02
67	116	860.00	-0.60	-33.21	0.01	-5.10	-0.02	-0.02
67	138	700.00	-4.60	-4.00	-0.31	-0.82	-0.08	0.11
67	138	753.33	-4.60	-4.00	-0.31	-2.31	-0.07	0.11
67	138	806.67	-3.33	-4.26	0.02	-2.47	-0.14	0.09
67	138	860.00	-1.82	-3.80	0.28	-1.89	-0.07	0.06
67	141	700.00	0.22	16.94	0.30	-0.49	0.08	-0.09
67	141	753.33	0.22	16.94	0.30	-1.99	0.08	-0.08
67	141	806.67	0.63	16.46	-0.01	-0.43	0.16	-0.07
67	141	860.00	0.30	13.76	-0.29	1.26	0.08	-0.04
67	144	700.00	-4.76	-22.56	-0.28	1.37	-0.08	0.10
67	144	753.33	-4.76	-22.56	-0.28	-0.13	-0.07	0.09
67	144	806.67	-3.74	-22.07	0.01	-2.04	-0.15	0.08
67	144	860.00	-1.71	-18.70	0.27	-3.71	-0.08	0.05
67	148	700.00	-3.02	-45.81	0.05	5.14	-0.02	-0.03
67	148	753.33	-3.02	-45.81	0.05	3.65	-0.02	-0.03
67	148	806.67	-2.51	-44.10	-7.34e-03	-0.18	-0.04	-0.03
67	148	860.00	-0.59	-37.05	0.01	-5.59	-0.03	-0.02
67	170	700.00	-4.91	-4.24	-0.35	-0.97	-0.09	0.12
67	170	753.33	-4.91	-4.24	-0.35	-2.47	-0.08	0.12
67	170	806.67	-3.56	-4.54	0.02	-2.63	-0.16	0.10
67	170	860.00	-1.96	-4.05	0.32	-1.99	-0.08	0.06
67	173	700.00	0.54	19.48	0.34	-0.61	0.09	-0.10
67	173	753.33	0.54	19.48	0.34	-2.10	0.10	-0.09
67	173	806.67	0.91	18.94	-0.02	-0.33	0.18	-0.08
67	173	860.00	0.43	15.85	-0.33	1.58	0.09	-0.05
67	176	700.00	-5.09	-25.10	-0.32	1.49	-0.09	0.11
67	176	753.33	-5.09	-25.10	-0.32	-7.33e-03	-0.09	0.10
67	176	806.67	-4.03	-24.54	0.02	-2.14	-0.17	0.09
67	176	860.00	-1.84	-20.79	0.31	-4.03	-0.09	0.05
67	180	700.00	-3.06	-45.52	0.04	5.09	-0.02	-0.03
67	180	753.33	-3.06	-45.52	0.04	3.59	-0.02	-0.02
67	180	806.67	-2.51	-43.83	-6.83e-03	-0.23	-0.04	-0.02
67	180	860.00	-0.62	-36.83	0.02	-5.56	-0.03	-0.02
67	202	700.00	-4.96	-4.77	-0.36	-0.93	-0.09	0.13
67	202	753.33	-4.96	-4.77	-0.36	-2.43	-0.08	0.12
67	202	806.67	-3.62	-5.06	0.02	-2.65	-0.17	0.10
67	202	860.00	-1.99	-4.49	0.32	-2.06	-0.08	0.07
67	205	700.00	0.60	19.70	0.35	-0.61	0.09	-0.10
67	205	753.33	0.60	19.70	0.35	-2.10	0.10	-0.09
67	205	806.67	0.94	19.16	-0.02	-0.30	0.19	-0.08
67	205	860.00	0.47	16.04	-0.34	1.61	0.09	-0.05
67	208	700.00	-5.14	-25.31	-0.33	1.49	-0.09	0.11
67	208	753.33	-5.14	-25.31	-0.33	-8.69e-03	-0.09	0.11
67	208	806.67	-4.06	-24.76	0.02	-2.17	-0.18	0.09
67	208	860.00	-1.88	-20.98	0.32	-4.07	-0.09	0.05
67	212	700.00	-3.22	-52.95	0.05	5.88	-0.02	-0.03
67	212	753.33	-3.22	-52.95	0.05	4.38	-0.02	-0.03
67	212	806.67	-2.68	-50.97	-7.89e-03	-0.07	-0.05	-0.03
67	212	860.00	-0.63	-42.80	0.02	-6.33	-0.03	-0.02
67	234	700.00	-5.45	-5.41	-0.43	-1.15	-0.11	0.15
67	234	753.33	-5.45	-5.41	-0.43	-2.65	-0.10	0.14
67	234	806.67	-4.01	-5.74	0.02	-2.91	-0.20	0.12
67	234	860.00	-2.24	-5.08	0.39	-2.24	-0.10	0.08
67	237	700.00	1.13	23.74	0.41	-0.79	0.11	-0.12
67	237	753.33	1.13	23.74	0.41	-2.28	0.11	-0.11
67	237	806.67	1.40	23.11	-0.02	-0.12	0.22	-0.09
67	237	860.00	0.70	19.36	-0.40	2.13	0.10	-0.06
67	240	700.00	-5.67	-29.36	-0.39	1.66	-0.11	0.13
67	240	753.33	-5.67	-29.36	-0.39	0.17	-0.10	0.13

67	240	806.67	-4.52	-28.71	0.02	-2.35	-0.21	0.10
67	240	860.00	-2.10	-24.31	0.38	-4.58	-0.10	0.06
67	264	700.00	-2.46	-5.00	8.90e-03	1.12	0.0	4.75e-03
67	264	753.33	-2.46	-5.00	8.90e-03	-1.55	4.75e-03	6.74e-03
67	264	806.67	-1.70	-4.87	2.87e-04	-1.91	4.90e-03	4.39e-03
67	264	860.00	-0.79	-4.24	-9.19e-03	-2.01	0.0	1.90e-03
67	273	700.00	-1.73	-1.38	0.46	0.17	0.0	-0.11
67	273	753.33	-1.73	-1.38	0.46	-0.57	0.24	-0.17
67	273	806.67	-1.17	-1.40	-0.05	-0.66	0.22	-0.12
67	273	860.00	-0.52	-1.26	-0.41	-0.66	0.0	-0.05
67	274	700.00	-1.84	-1.66	0.46	0.19	0.0	-0.11
67	274	753.33	-1.84	-1.66	0.46	-0.70	0.24	-0.17
67	274	806.67	-1.25	-1.69	-0.05	-0.81	0.22	-0.12
67	274	860.00	-0.56	-1.52	-0.41	-0.79	0.0	-0.06
67	280	700.00	-2.67	-3.87	-0.12	0.60	0.0	0.04
67	280	753.33	-2.67	-3.87	-0.12	-1.46	-0.07	0.06
67	280	806.67	-1.84	-3.85	0.02	-1.70	-0.06	0.04
67	280	860.00	-0.84	-3.39	0.11	-1.68	0.0	0.02
67	298	700.00	-2.32	-2.96	0.01	0.47	0.0	5.58e-03
67	298	753.33	-2.32	-2.96	0.01	-1.11	5.48e-03	7.93e-03
67	298	806.67	-1.60	-2.96	4.32e-04	-1.30	5.71e-03	5.21e-03
67	298	860.00	-0.72	-2.61	-0.01	-1.29	0.0	2.28e-03
67	305	700.00	-2.28	-3.16	9.32e-03	0.57	0.0	5.04e-03
67	305	753.33	-2.28	-3.16	9.32e-03	-1.12	4.97e-03	7.16e-03
67	305	806.67	-1.56	-3.13	3.77e-04	-1.33	5.17e-03	4.70e-03
67	305	860.00	-0.71	-2.75	-9.70e-03	-1.34	0.0	2.05e-03
67	306	700.00	-1.91	-1.77	0.09	0.26	0.0	-0.02
67	306	753.33	-1.91	-1.77	0.09	-0.68	0.05	-0.03
67	306	806.67	-1.30	-1.78	-9.66e-03	-0.80	0.05	-0.02
67	306	860.00	-0.58	-1.58	-0.08	-0.79	0.0	-0.01
67	309	700.00	-1.96	-1.86	3.37e-03	0.28	0.0	1.65e-03
67	309	753.33	-1.96	-1.86	3.37e-03	-0.71	1.80e-03	2.32e-03
67	309	806.67	-1.33	-1.87	7.83e-05	-0.84	1.84e-03	1.45e-03
67	309	860.00	-0.59	-1.66	-3.45e-03	-0.83	0.0	5.64e-04
67	310	700.00	-2.27	-2.81	9.29e-03	0.44	0.0	5.02e-03
67	310	753.33	-2.27	-2.81	9.29e-03	-1.06	4.96e-03	7.12e-03
67	310	806.67	-1.56	-2.80	3.81e-04	-1.24	5.16e-03	4.67e-03
67	310	860.00	-0.70	-2.47	-9.67e-03	-1.23	0.0	2.03e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-5.67	-52.95	-0.61	-6.33	-0.21	-0.25
	1.40	23.74	0.68	5.88	0.37	0.15

Macro	Tipo	Angolo 1-Z (gradi)
68	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
68	44	960.00	-0.24	-3.71	4.10e-04	1.67	0.0	1.06e-03
68	44	1010.00	-0.24	-3.71	4.10e-04	-0.18	2.05e-04	1.83e-03
68	44	1060.00	-0.54	-3.96	1.46e-03	0.05	-6.48e-05	1.28e-03
68	68	960.00	-0.21	-2.41	0.45	1.06	0.0	-0.02
68	68	1010.00	-0.21	-2.41	0.45	-0.15	0.22	-0.02
68	68	1060.00	-0.54	-2.62	-0.39	0.03	0.01	-0.01
68	69	960.00	-0.13	-1.17	0.45	0.48	0.0	-0.02
68	69	1010.00	-0.13	-1.17	0.45	-0.10	0.22	-0.03
68	69	1060.00	-0.42	-1.30	-0.40	9.19e-03	0.01	-0.01
68	116	960.00	0.39	-24.29	-0.02	5.01	-0.01	-0.02
68	116	1010.00	0.39	-24.29	-0.02	4.32	-0.01	-0.01
68	116	1060.00	-0.66	-24.67	0.03	0.51	-0.02	-7.90e-03
68	118	960.00	-0.72	18.01	-0.07	-3.02	-9.56e-03	0.02
68	118	1010.00	-0.72	18.01	-0.07	-3.70	-9.44e-03	0.02
68	118	1060.00	-0.23	18.03	0.05	-0.41	4.23e-03	0.01
68	119	960.00	0.40	-20.77	0.07	4.25	9.56e-03	-0.02
68	119	1010.00	0.40	-20.77	0.07	3.56	9.68e-03	-0.02
68	119	1060.00	-0.60	-20.99	-0.05	0.45	-4.28e-03	-0.01
68	148	960.00	0.46	-27.13	-0.02	5.56	-0.02	-0.02
68	148	1010.00	0.46	-27.13	-0.02	4.87	-0.02	-0.01
68	148	1060.00	-0.69	-27.55	0.03	0.57	-0.02	-8.91e-03
68	150	960.00	-0.79	20.39	-0.08	-3.46	-0.01	0.02
68	150	1010.00	-0.79	20.39	-0.08	-4.15	-0.01	0.02
68	150	1060.00	-0.21	20.43	0.06	-0.46	4.60e-03	0.02

68	151	960.00	0.47	-23.15	0.08	4.70	0.01	-0.02
68	151	1010.00	0.47	-23.15	0.08	4.01	0.01	-0.02
68	151	1060.00	-0.62	-23.39	-0.05	0.50	-4.66e-03	-0.01
68	180	960.00	0.45	-26.87	-0.02	5.51	-0.01	-0.02
68	180	1010.00	0.45	-26.87	-0.02	4.82	-0.01	-0.01
68	180	1060.00	-0.69	-27.29	0.03	0.57	-0.02	-8.58e-03
68	182	960.00	-0.78	20.03	-0.08	-3.39	-0.01	0.02
68	182	1010.00	-0.78	20.03	-0.08	-4.08	-0.01	0.02
68	182	1060.00	-0.22	20.06	0.06	-0.46	3.67e-03	0.02
68	183	960.00	0.46	-22.78	0.08	4.63	0.01	-0.02
68	183	1010.00	0.46	-22.78	0.08	3.94	0.01	-0.02
68	183	1060.00	-0.62	-23.02	-0.06	0.49	-3.72e-03	-0.01
68	212	960.00	0.55	-31.24	-0.03	6.35	-0.02	-0.02
68	212	1010.00	0.55	-31.24	-0.03	5.67	-0.02	-0.02
68	212	1060.00	-0.73	-31.72	0.03	0.66	-0.02	-0.01
68	214	960.00	-0.88	23.59	-0.10	-4.06	-0.01	0.03
68	214	1010.00	-0.88	23.59	-0.10	-4.75	-0.01	0.02
68	214	1060.00	-0.18	23.65	0.07	-0.53	3.94e-03	0.02
68	215	960.00	0.57	-26.35	0.10	5.29	0.01	-0.03
68	215	1010.00	0.57	-26.35	0.10	4.61	0.01	-0.02
68	215	1060.00	-0.65	-26.61	-0.07	0.57	-3.99e-03	-0.02
68	264	960.00	-0.18	-2.58	2.92e-04	1.16	0.0	7.52e-04
68	264	1010.00	-0.18	-2.58	2.92e-04	-0.13	1.46e-04	1.29e-03
68	264	1060.00	-0.41	-2.76	1.04e-03	0.03	-4.63e-05	9.05e-04
68	273	960.00	-0.14	-1.16	0.30	0.49	0.0	-0.01
68	273	1010.00	-0.14	-1.16	0.30	-0.09	0.15	-0.02
68	273	1060.00	-0.42	-1.27	-0.26	0.01	7.15e-03	-7.94e-03
68	276	960.00	-0.16	-1.72	0.30	0.75	0.0	-0.01
68	276	1010.00	-0.16	-1.72	0.30	-0.11	0.15	-0.02
68	276	1060.00	-0.42	-1.86	-0.26	0.02	7.13e-03	-7.64e-03
68	305	960.00	-0.16	-1.58	2.27e-04	0.71	0.0	5.40e-04
68	305	1010.00	-0.16	-1.58	2.27e-04	-0.08	1.13e-04	9.25e-04
68	305	1060.00	-0.42	-1.69	6.80e-04	0.02	-3.01e-05	6.42e-04
68	306	960.00	-0.15	-1.05	0.06	0.46	0.0	-1.98e-03
68	306	1010.00	-0.15	-1.05	0.06	-0.07	0.03	-2.70e-03
68	306	1060.00	-0.42	-1.15	-0.05	0.01	1.41e-03	-1.14e-03
68	307	960.00	-0.16	-1.40	0.06	0.62	0.0	-1.90e-03
68	307	1010.00	-0.16	-1.40	0.06	-0.08	0.03	-2.56e-03
68	307	1060.00	-0.42	-1.51	-0.05	0.02	1.41e-03	-1.07e-03
68	309	960.00	-0.15	-1.03	2.37e-04	0.45	0.0	4.45e-04
68	309	1010.00	-0.15	-1.03	2.37e-04	-0.06	1.19e-04	7.77e-04
68	309	1060.00	-0.42	-1.12	5.06e-04	0.01	-2.20e-05	5.55e-04
68	310	960.00	-0.16	-1.38	2.35e-04	0.62	0.0	5.31e-04
68	310	1010.00	-0.16	-1.38	2.35e-04	-0.07	1.17e-04	9.10e-04
68	310	1060.00	-0.42	-1.48	6.34e-04	0.02	-2.79e-05	6.32e-04

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-0.88	-31.72	-0.40	-4.75	-0.02	-0.03
	0.57	23.65	0.45	6.35	0.22	0.03

Macro	Tipo	Angolo 1-Z (gradi)
69	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
69	28	960.00	-0.30	-5.60	3.35e-03	2.30	0.0	-4.63e-03
69	28	1010.00	-0.30	-5.60	3.35e-03	-0.50	1.68e-03	-7.84e-03
69	28	1060.00	-0.58	-6.34	-3.72e-03	0.04	1.90e-04	-5.31e-03
69	44	960.00	-0.30	-5.67	1.99e-03	2.35	0.0	-3.02e-03
69	44	1010.00	-0.30	-5.67	1.99e-03	-0.48	9.96e-04	-5.09e-03
69	44	1060.00	-0.58	-6.39	-2.09e-03	0.04	1.08e-04	-3.43e-03
69	69	960.00	-0.15	-0.80	0.32	0.35	0.0	0.15
69	69	1010.00	-0.15	-0.80	0.32	-0.05	0.16	0.25
69	69	1060.00	-0.43	-0.89	-0.25	7.72e-03	3.16e-03	0.17
69	70	960.00	-0.16	-1.20	0.32	0.51	0.0	0.15
69	70	1010.00	-0.16	-1.20	0.32	-0.09	0.16	0.25
69	70	1060.00	-0.43	-1.34	-0.24	8.93e-03	3.08e-03	0.17
69	116	960.00	-0.75	-26.00	-0.03	5.66	-0.01	-0.05
69	116	1010.00	-0.75	-26.00	-0.03	4.48	-0.01	-0.05
69	116	1060.00	-0.32	-27.85	0.04	0.53	-3.29e-03	-0.06
69	129	960.00	0.38	15.26	0.08	-2.21	0.02	0.06
69	129	1010.00	0.38	15.26	0.08	-3.39	0.02	0.06

69	129	1060.00	-0.50	16.42	-0.07	-0.35	0.01	0.07
69	132	960.00	-0.76	-19.99	-0.08	4.13	-0.02	-0.06
69	132	1010.00	-0.76	-19.99	-0.08	2.95	-0.02	-0.07
69	132	1060.00	-0.36	-21.80	0.07	0.37	-0.01	-0.07
69	140	960.00	-0.73	-16.89	-0.16	3.44	-0.04	-0.11
69	140	1010.00	-0.73	-16.89	-0.16	2.26	-0.04	-0.11
69	140	1060.00	-0.39	-18.50	0.14	0.30	-0.02	-0.12
69	148	960.00	-0.83	-28.96	-0.04	6.25	-0.01	-0.06
69	148	1010.00	-0.83	-28.96	-0.04	5.06	-0.01	-0.06
69	148	1060.00	-0.30	-31.00	0.05	0.60	-3.72e-03	-0.07
69	161	960.00	0.45	17.55	0.09	-2.62	0.02	0.07
69	161	1010.00	0.45	17.55	0.09	-3.80	0.02	0.07
69	161	1060.00	-0.51	18.91	-0.08	-0.39	0.01	0.08
69	164	960.00	-0.83	-22.28	-0.09	4.54	-0.02	-0.07
69	164	1010.00	-0.83	-22.28	-0.09	3.36	-0.02	-0.08
69	164	1060.00	-0.35	-24.28	0.08	0.42	-0.01	-0.08
69	172	960.00	-0.80	-18.76	-0.18	3.76	-0.05	-0.12
69	172	1010.00	-0.80	-18.76	-0.18	2.58	-0.05	-0.13
69	172	1060.00	-0.39	-20.53	0.15	0.34	-0.03	-0.14
69	180	960.00	-0.83	-28.83	-0.04	6.21	-0.01	-0.06
69	180	1010.00	-0.83	-28.83	-0.04	5.03	-0.01	-0.06
69	180	1060.00	-0.30	-30.87	0.05	0.59	-3.78e-03	-0.07
69	193	960.00	0.47	17.97	0.09	-2.68	0.02	0.07
69	193	1010.00	0.47	17.97	0.09	-3.86	0.02	0.07
69	193	1060.00	-0.51	19.38	-0.08	-0.40	0.01	0.08
69	196	960.00	-0.85	-22.70	-0.09	4.60	-0.02	-0.07
69	196	1010.00	-0.85	-22.70	-0.09	3.42	-0.02	-0.08
69	196	1060.00	-0.35	-24.75	0.08	0.43	-0.01	-0.08
69	204	960.00	-0.81	-18.97	-0.18	3.78	-0.05	-0.12
69	204	1010.00	-0.81	-18.97	-0.18	2.60	-0.05	-0.13
69	204	1060.00	-0.39	-20.77	0.16	0.34	-0.03	-0.14
69	212	960.00	-0.94	-33.46	-0.05	7.12	-0.02	-0.06
69	212	1010.00	-0.94	-33.46	-0.05	5.94	-0.02	-0.07
69	212	1060.00	-0.28	-35.82	0.06	0.69	-4.54e-03	-0.08
69	225	960.00	0.60	21.92	0.11	-3.38	0.03	0.08
69	225	1010.00	0.60	21.92	0.11	-4.56	0.03	0.08
69	225	1060.00	-0.53	23.68	-0.10	-0.48	0.02	0.09
69	228	960.00	-0.99	-26.65	-0.10	5.30	-0.03	-0.09
69	228	1010.00	-0.99	-26.65	-0.10	4.12	-0.03	-0.09
69	228	1060.00	-0.34	-29.05	0.09	0.51	-0.02	-0.10
69	236	960.00	-0.93	-22.01	-0.22	4.29	-0.06	-0.14
69	236	1010.00	-0.93	-22.01	-0.22	3.11	-0.06	-0.15
69	236	1060.00	-0.38	-24.09	0.19	0.40	-0.03	-0.17
69	256	960.00	-0.22	-3.82	2.19e-03	1.57	0.0	-3.08e-03
69	256	1010.00	-0.22	-3.82	2.19e-03	-0.34	1.10e-03	-5.21e-03
69	256	1060.00	-0.44	-4.32	-2.41e-03	0.02	1.24e-04	-3.53e-03
69	264	960.00	-0.22	-3.87	1.29e-03	1.61	0.0	-2.01e-03
69	264	1010.00	-0.22	-3.87	1.29e-03	-0.33	6.44e-04	-3.38e-03
69	264	1060.00	-0.44	-4.35	-1.33e-03	0.03	6.89e-05	-2.27e-03
69	273	960.00	-0.16	-1.19	0.21	0.50	0.0	0.10
69	273	1010.00	-0.16	-1.19	0.21	-0.09	0.11	0.16
69	273	1060.00	-0.43	-1.33	-0.16	8.85e-03	2.11e-03	0.11
69	274	960.00	-0.17	-1.45	0.21	0.60	0.0	0.10
69	274	1010.00	-0.17	-1.45	0.21	-0.12	0.11	0.17
69	274	1060.00	-0.43	-1.63	-0.16	9.65e-03	2.05e-03	0.11
69	305	960.00	-0.19	-2.59	1.84e-03	1.06	0.0	-2.57e-03
69	305	1010.00	-0.19	-2.59	1.84e-03	-0.23	9.20e-04	-4.33e-03
69	305	1060.00	-0.44	-2.93	-2.07e-03	0.02	1.06e-04	-2.94e-03
69	306	960.00	-0.17	-1.49	0.04	0.62	0.0	0.02
69	306	1010.00	-0.17	-1.49	0.04	-0.13	0.02	0.03
69	306	1060.00	-0.43	-1.68	-0.03	9.57e-03	4.18e-04	0.02
69	309	960.00	-0.17	-1.57	6.61e-06	0.64	0.0	-4.39e-04
69	309	1010.00	-0.17	-1.57	6.61e-06	-0.14	3.31e-06	-7.10e-04
69	309	1060.00	-0.43	-1.77	1.29e-04	9.75e-03	-5.39e-06	-4.40e-04
69	310	960.00	-0.19	-2.36	1.84e-03	0.96	0.0	-2.57e-03
69	310	1010.00	-0.19	-2.36	1.84e-03	-0.22	9.18e-04	-4.34e-03
69	310	1060.00	-0.43	-2.69	-2.06e-03	0.01	1.05e-04	-2.94e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-0.99	-35.82	-0.25	-4.56	-0.06	-0.17
			0.60	23.68	0.32	7.12	0.16	0.25

Macro	Tipo	Angolo 1-Z (gradi)
70	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
70	52	700.00	-54.89	4.65	-1.01	-30.86	1.27	-0.37
70	52	753.33	-54.89	4.65	-1.01	-28.39	0.73	-0.08
70	52	806.67	-57.00	24.64	-0.83	-14.69	0.29	0.03
70	52	860.00	-52.93	24.76	-0.34	-4.33	0.11	0.02
70	52	910.00	-48.89	24.78	-0.17	5.22	0.02	0.02
70	52	960.00	-44.98	24.75	-0.15	14.84	-0.05	0.01
70	52	1010.00	-41.05	24.61	-0.24	24.36	-0.17	0.01
70	52	1060.00	-35.67	9.86	0.35	24.51	0.0	-0.04
70	59	700.00	-63.04	6.07	-0.85	-22.79	1.04	-0.30
70	59	753.33	-63.04	6.07	-0.85	-19.56	0.59	-0.06
70	59	806.67	-65.18	24.24	-0.67	-6.02	0.23	0.03
70	59	860.00	-61.18	24.35	-0.29	4.18	0.08	0.02
70	59	910.00	-57.26	24.37	-0.16	13.64	1.08e-03	0.02
70	59	960.00	-53.54	24.34	-0.17	23.23	-0.08	0.01
70	59	1010.00	-49.88	24.18	-0.31	32.79	-0.24	0.01
70	59	1060.00	-43.79	7.64	0.47	31.12	0.0	-0.05
70	75	700.00	-42.77	3.02	-1.00	-31.87	1.28	-0.38
70	75	753.33	-42.77	3.02	-1.00	-30.26	0.75	-0.08
70	75	806.67	-44.64	21.47	-0.84	-18.17	0.30	0.03
70	75	860.00	-41.13	21.58	-0.35	-8.98	0.11	0.02
70	75	910.00	-37.59	21.60	-0.16	-0.55	0.03	0.02
70	75	960.00	-34.13	21.58	-0.12	7.90	-0.03	0.01
70	75	1010.00	-30.61	21.46	-0.18	16.24	-0.12	9.37e-03
70	75	1060.00	-26.33	9.77	0.24	17.50	0.0	-0.03
70	93	700.00	-24.70	2.15	-0.29	-6.88	0.35	-0.10
70	93	753.33	-24.70	2.15	-0.29	-5.74	0.19	-0.02
70	93	806.67	-25.17	8.10	-0.22	-1.07	0.07	8.75e-03
70	93	860.00	-23.46	8.13	-0.09	2.42	0.02	7.92e-03
70	93	910.00	-21.79	8.14	-0.05	5.65	-3.01e-03	5.90e-03
70	93	960.00	-20.21	8.13	-0.06	8.93	-0.03	3.62e-03
70	93	1010.00	-18.66	8.08	-0.12	12.22	-0.09	3.75e-03
70	93	1060.00	-16.13	2.26	0.19	11.45	0.0	-0.02
70	138	700.00	-4.83	0.10	-1.59	-4.73	0.58	-0.29
70	138	753.33	-4.83	0.10	-1.59	-3.46	0.29	-0.12
70	138	806.67	-6.69	1.39	-1.12	1.53	-0.30	-0.03
70	138	860.00	-7.41	1.23	-0.49	4.69	-0.63	-8.26e-03
70	138	910.00	-8.68	1.15	-0.11	6.87	-0.79	0.02
70	138	960.00	-9.70	1.02	0.16	9.24	-0.79	0.05
70	138	1010.00	-10.65	0.97	0.25	11.99	-0.71	0.08
70	138	1060.00	-9.78	-0.88	1.23	9.32	-0.28	0.03
70	139	700.00	-55.28	4.66	0.52	-28.23	0.77	-0.11
70	139	753.33	-55.28	4.66	0.52	-26.97	0.48	0.04
70	139	806.67	-55.26	24.48	0.24	-17.49	0.61	0.06
70	139	860.00	-49.77	24.77	0.13	-9.77	0.74	0.03
70	139	910.00	-43.77	24.87	-0.07	-1.92	0.82	-2.65e-03
70	139	960.00	-38.16	24.97	-0.32	5.81	0.73	-0.04
70	139	1010.00	-32.59	24.86	-0.50	13.06	0.53	-0.07
70	139	1060.00	-27.40	11.35	-0.87	16.01	0.28	-0.07
70	140	700.00	-9.13	0.89	-1.19	-12.92	0.71	-0.34
70	140	753.33	-9.13	0.89	-1.19	-11.65	0.42	-0.14
70	140	806.67	-11.36	5.83	-1.18	-5.51	-0.25	-0.04
70	140	860.00	-12.78	5.92	-0.48	-1.48	-0.67	-0.01
70	140	910.00	-13.11	6.08	-0.13	2.52	-0.74	0.02
70	140	960.00	-13.66	6.20	0.10	6.64	-0.74	0.04
70	140	1010.00	-14.21	6.35	0.14	11.13	-0.68	0.06
70	140	1060.00	-12.96	2.51	1.22	10.14	-0.24	0.01
70	170	700.00	-1.55	-0.20	-1.73	-3.24	0.57	-0.30
70	170	753.33	-1.55	-0.20	-1.73	-1.97	0.28	-0.13
70	170	806.67	-3.52	-0.10	-1.21	2.73	-0.36	-0.04
70	170	860.00	-4.66	-0.29	-0.53	5.60	-0.71	-0.01
70	170	910.00	-6.39	-0.38	-0.12	7.42	-0.90	0.02
70	170	960.00	-7.84	-0.53	0.19	9.44	-0.88	0.06
70	170	1010.00	-9.21	-0.56	0.29	11.90	-0.79	0.09
70	170	1060.00	-8.62	-1.66	1.36	8.87	-0.32	0.04
70	171	700.00	-58.57	4.96	0.65	-29.73	0.79	-0.10
70	171	753.33	-58.57	4.96	0.65	-28.46	0.50	0.05
70	171	806.67	-58.42	25.96	0.33	-18.69	0.67	0.07
70	171	860.00	-52.52	26.29	0.17	-10.68	0.83	0.04
70	171	910.00	-46.05	26.40	-0.07	-2.46	0.92	-4.16e-03
70	171	960.00	-40.01	26.51	-0.35	5.61	0.83	-0.04

70	171	1010.00	-34.03	26.40	-0.54	13.15	0.61	-0.08
70	171	1060.00	-28.55	12.14	-1.01	16.45	0.32	-0.08
70	172	700.00	-6.36	0.69	-1.28	-12.43	0.71	-0.36
70	172	753.33	-6.36	0.69	-1.28	-11.16	0.42	-0.15
70	172	806.67	-8.77	4.88	-1.27	-5.17	-0.31	-0.04
70	172	860.00	-10.68	4.98	-0.52	-1.32	-0.77	-0.02
70	172	910.00	-11.37	5.15	-0.13	2.53	-0.84	0.02
70	172	960.00	-12.29	5.29	0.12	6.52	-0.83	0.04
70	172	1010.00	-13.21	5.47	0.17	10.94	-0.75	0.06
70	172	1060.00	-12.20	2.14	1.36	9.79	-0.27	0.02
70	202	700.00	-0.95	-0.24	-1.70	-3.20	0.56	-0.30
70	202	753.33	-0.95	-0.24	-1.70	-1.93	0.27	-0.13
70	202	806.67	-2.94	-0.28	-1.21	2.76	-0.37	-0.04
70	202	860.00	-4.21	-0.48	-0.53	5.59	-0.73	-0.01
70	202	910.00	-6.02	-0.56	-0.12	7.37	-0.92	0.02
70	202	960.00	-7.52	-0.70	0.20	9.35	-0.90	0.06
70	202	1010.00	-8.92	-0.73	0.30	11.78	-0.80	0.09
70	202	1060.00	-8.39	-1.72	1.39	8.74	-0.32	0.04
70	203	700.00	-59.16	5.00	0.62	-29.76	0.79	-0.10
70	203	753.33	-59.16	5.00	0.62	-28.50	0.50	0.05
70	203	806.67	-59.00	26.15	0.34	-18.72	0.68	0.07
70	203	860.00	-52.96	26.47	0.17	-10.66	0.85	0.04
70	203	910.00	-46.42	26.58	-0.07	-2.42	0.94	-3.97e-03
70	203	960.00	-40.33	26.69	-0.35	5.70	0.85	-0.04
70	203	1010.00	-34.32	26.57	-0.55	13.26	0.62	-0.08
70	203	1060.00	-28.78	12.20	-1.03	16.58	0.32	-0.08
70	204	700.00	-5.68	0.62	-1.29	-12.22	0.69	-0.35
70	204	753.33	-5.68	0.62	-1.29	-10.96	0.40	-0.15
70	204	806.67	-8.11	4.57	-1.27	-5.02	-0.33	-0.04
70	204	860.00	-10.08	4.66	-0.53	-1.20	-0.78	-0.02
70	204	910.00	-10.86	4.84	-0.13	2.58	-0.86	0.02
70	204	960.00	-11.86	4.98	0.13	6.50	-0.85	0.04
70	204	1010.00	-12.85	5.17	0.18	10.85	-0.77	0.06
70	204	1060.00	-11.92	1.99	1.38	9.67	-0.28	0.02
70	234	700.00	4.45	-0.72	-1.89	-0.85	0.54	-0.32
70	234	753.33	4.45	-0.72	-1.89	0.42	0.25	-0.15
70	234	806.67	2.26	-2.70	-1.35	4.65	-0.47	-0.05
70	234	860.00	0.31	-2.94	-0.60	7.01	-0.88	-0.02
70	234	910.00	-2.27	-3.04	-0.12	8.21	-1.09	0.03
70	234	960.00	-4.48	-3.20	0.25	9.64	-1.06	0.07
70	234	1010.00	-6.56	-3.22	0.37	11.61	-0.93	0.10
70	234	1060.00	-6.50	-2.98	1.61	8.00	-0.38	0.05
70	235	700.00	-64.57	5.48	0.81	-32.11	0.82	-0.08
70	235	753.33	-64.57	5.48	0.81	-30.84	0.53	0.06
70	235	806.67	-64.21	28.57	0.48	-20.61	0.78	0.08
70	235	860.00	-57.48	28.94	0.23	-12.08	0.99	0.04
70	235	910.00	-50.17	29.06	-0.06	-3.26	1.11	-6.27e-03
70	235	960.00	-43.38	29.19	-0.40	5.41	1.01	-0.05
70	235	1010.00	-36.68	29.05	-0.63	13.44	0.75	-0.09
70	235	1060.00	-30.68	13.46	-1.26	17.32	0.38	-0.09
70	236	700.00	-1.01	0.27	-1.44	-11.35	0.69	-0.38
70	236	753.33	-1.01	0.27	-1.44	-10.09	0.40	-0.17
70	236	806.67	-3.71	2.93	-1.42	-4.40	-0.42	-0.05
70	236	860.00	-6.51	3.03	-0.59	-0.90	-0.94	-0.02
70	236	910.00	-7.90	3.24	-0.14	2.63	-1.02	0.02
70	236	960.00	-9.52	3.41	0.17	6.32	-1.00	0.05
70	236	1010.00	-11.13	3.64	0.24	10.53	-0.90	0.08
70	236	1060.00	-10.61	1.34	1.61	9.08	-0.33	0.03
70	268	700.00	-39.06	3.30	-0.69	-21.10	0.87	-0.26
70	268	753.33	-39.06	3.30	-0.69	-19.34	0.50	-0.05
70	268	806.67	-40.48	17.13	-0.57	-9.79	0.20	0.02
70	268	860.00	-37.58	17.21	-0.24	-2.58	0.07	0.02
70	268	910.00	-34.71	17.23	-0.12	4.07	0.01	0.01
70	268	960.00	-31.94	17.21	-0.11	10.77	-0.04	8.35e-03
70	268	1010.00	-29.16	17.10	-0.17	17.41	-0.12	7.56e-03
70	268	1060.00	-25.31	6.74	0.25	17.43	0.0	-0.03
70	271	700.00	-44.49	4.25	-0.59	-15.71	0.72	-0.21
70	271	753.33	-44.49	4.25	-0.59	-13.45	0.41	-0.04
70	271	806.67	-45.93	16.86	-0.47	-4.01	0.16	0.02
70	271	860.00	-43.08	16.94	-0.20	3.09	0.06	0.02
70	271	910.00	-40.30	16.95	-0.11	9.68	2.59e-04	0.01
70	271	960.00	-37.65	16.93	-0.12	16.37	-0.06	7.92e-03
70	271	1010.00	-35.04	16.82	-0.22	23.04	-0.17	7.82e-03
70	271	1060.00	-30.72	5.26	0.33	21.83	0.0	-0.04
70	279	700.00	-30.98	2.22	-0.69	-21.77	0.88	-0.26

70	279	753.33	-30.98	2.22	-0.69	-20.59	0.51	-0.06
70	279	806.67	-32.24	15.01	-0.58	-12.11	0.21	0.02
70	279	860.00	-29.72	15.09	-0.24	-5.68	0.08	0.02
70	279	910.00	-27.18	15.11	-0.11	0.22	0.02	0.01
70	279	960.00	-24.71	15.09	-0.09	6.15	-0.02	7.66e-03
70	279	1010.00	-22.19	15.01	-0.13	12.00	-0.09	6.63e-03
70	279	1060.00	-19.08	6.69	0.18	12.75	0.0	-0.02
70	285	700.00	-27.02	2.41	-0.32	-7.92	0.38	-0.11
70	285	753.33	-27.02	2.41	-0.32	-6.64	0.21	-0.02
70	285	806.67	-27.53	9.12	-0.24	-1.48	0.08	9.09e-03
70	285	860.00	-25.61	9.16	-0.10	2.36	0.03	8.35e-03
70	285	910.00	-23.74	9.17	-0.06	5.92	-2.23e-03	6.25e-03
70	285	960.00	-21.96	9.16	-0.06	9.54	-0.03	3.85e-03
70	285	1010.00	-20.22	9.10	-0.12	13.15	-0.10	3.90e-03
70	285	1060.00	-17.47	2.69	0.19	12.35	0.0	-0.02
70	298	700.00	-30.42	2.36	-0.58	-17.85	0.73	-0.21
70	298	753.33	-30.42	2.36	-0.58	-16.60	0.42	-0.04
70	298	806.67	-31.41	13.51	-0.47	-9.04	0.17	0.02
70	298	860.00	-28.97	13.58	-0.20	-3.34	0.06	0.01
70	298	910.00	-26.54	13.59	-0.10	1.91	0.01	9.92e-03
70	298	960.00	-24.19	13.57	-0.08	7.19	-0.03	6.51e-03
70	298	1010.00	-21.81	13.49	-0.13	12.40	-0.09	5.75e-03
70	298	1060.00	-18.74	5.63	0.18	12.70	0.0	-0.02
70	301	700.00	-32.66	2.73	-0.54	-15.97	0.68	-0.20
70	301	753.33	-32.66	2.73	-0.54	-14.52	0.39	-0.04
70	301	806.67	-33.68	13.52	-0.44	-6.94	0.15	0.01
70	301	860.00	-31.25	13.58	-0.18	-1.23	0.06	0.01
70	301	910.00	-28.84	13.60	-0.09	4.04	9.30e-03	9.87e-03
70	301	960.00	-26.52	13.58	-0.09	9.35	-0.03	6.41e-03
70	301	1010.00	-24.20	13.50	-0.14	14.63	-0.11	5.91e-03
70	301	1060.00	-20.94	5.12	0.21	14.47	0.0	-0.02
70	308	700.00	-27.72	2.50	-0.32	-8.19	0.37	-0.11
70	308	753.33	-27.72	2.50	-0.32	-6.86	0.20	-0.02
70	308	806.67	-28.18	9.41	-0.23	-1.60	0.08	8.73e-03
70	308	860.00	-26.15	9.46	-0.10	2.29	0.03	8.16e-03
70	308	910.00	-24.18	9.46	-0.06	5.89	-1.62e-03	6.16e-03
70	308	960.00	-22.30	9.45	-0.06	9.56	-0.03	3.84e-03
70	308	1010.00	-20.45	9.39	-0.12	13.22	-0.09	3.84e-03
70	308	1060.00	-17.63	2.85	0.19	12.43	0.0	-0.02
70	309	700.00	-27.89	2.52	-0.32	-8.25	0.37	-0.11
70	309	753.33	-27.89	2.52	-0.32	-6.91	0.20	-0.02
70	309	806.67	-28.34	9.48	-0.23	-1.64	0.08	8.65e-03
70	309	860.00	-26.28	9.53	-0.10	2.27	0.03	8.12e-03
70	309	910.00	-24.29	9.54	-0.06	5.89	-1.47e-03	6.14e-03
70	309	960.00	-22.38	9.52	-0.06	9.57	-0.03	3.84e-03
70	309	1010.00	-20.50	9.46	-0.12	13.24	-0.09	3.82e-03
70	309	1060.00	-17.67	2.89	0.18	12.45	0.0	-0.02
70	310	700.00	-30.06	2.38	-0.54	-16.48	0.68	-0.20
70	310	753.33	-30.06	2.38	-0.54	-15.21	0.39	-0.04
70	310	806.67	-30.97	12.93	-0.44	-7.98	0.16	0.01
70	310	860.00	-28.59	13.00	-0.18	-2.54	0.06	0.01
70	310	910.00	-26.22	13.01	-0.09	2.48	0.01	9.38e-03
70	310	960.00	-23.93	12.99	-0.08	7.53	-0.03	6.13e-03
70	310	1010.00	-21.62	12.92	-0.13	12.52	-0.09	5.47e-03
70	310	1060.00	-18.59	5.24	0.18	12.66	0.0	-0.02

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-65.18	-3.22	-1.89	-32.11	-1.09	-0.38
			4.45	29.19	1.61	32.79	1.28	0.10

Macro	Tipo	Angolo 1-Z (gradi)
71	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
71	51	700.00	-67.43	-18.19	1.06	8.28	0.0	0.12
71	51	753.33	-67.43	-18.19	1.06	-1.42	0.57	0.13
71	51	806.67	-61.07	-18.18	-0.45	-6.11	0.33	-0.03
71	51	860.00	-51.26	-18.18	-0.37	-7.57	0.13	-0.04
71	51	910.00	-41.39	-18.19	-0.24	-8.34	0.01	-0.04
71	51	960.00	-31.70	-18.20	-0.19	-9.25	-0.08	-0.03
71	51	1010.00	-22.02	-18.23	-0.15	-10.18	-0.16	-0.02

71	51	1060.00	-1.64	-18.28	0.32	-1.00	-0.01	0.02
71	52	700.00	-73.99	-19.91	1.07	8.35	0.0	0.12
71	52	753.33	-73.99	-19.91	1.07	-2.26	0.57	0.12
71	52	806.67	-67.04	-19.90	-0.46	-7.32	0.32	-0.03
71	52	860.00	-56.43	-19.91	-0.38	-8.95	0.12	-0.05
71	52	910.00	-45.72	-19.92	-0.26	-9.79	-0.01	-0.04
71	52	960.00	-35.16	-19.94	-0.23	-10.76	-0.13	-0.03
71	52	1010.00	-24.65	-19.97	-0.18	-11.77	-0.22	-0.02
71	52	1060.00	-1.88	-20.03	0.43	-1.20	-0.02	0.03
71	93	700.00	-26.32	-6.26	0.28	2.55	0.0	0.03
71	93	753.33	-26.32	-6.26	0.28	-0.79	0.15	0.03
71	93	806.67	-23.72	-6.26	-0.14	-2.44	0.07	-0.01
71	93	860.00	-20.00	-6.26	-0.11	-3.03	0.01	-0.02
71	93	910.00	-16.21	-6.26	-0.08	-3.33	-0.03	-0.01
71	93	960.00	-12.47	-6.27	-0.08	-3.66	-0.07	-7.96e-03
71	93	1010.00	-8.75	-6.28	-0.06	-4.01	-0.10	-6.44e-04
71	93	1060.00	-0.90	-6.31	0.20	-0.45	-6.60e-03	0.02
71	138	700.00	-17.61	-6.04	-0.33	10.24	-0.23	0.12
71	138	753.33	-17.61	-6.04	-0.33	4.74	0.06	0.12
71	138	806.67	-17.11	-6.01	-0.67	1.85	-0.41	0.03
71	138	860.00	-14.55	-6.07	-0.42	0.59	-0.67	-3.98e-03
71	138	910.00	-11.83	-6.76	-0.10	-0.42	-0.85	-0.04
71	138	960.00	-9.11	-6.76	0.14	-1.58	-0.84	-0.06
71	138	1010.00	-6.43	-6.78	0.42	-2.86	-0.67	-0.07
71	138	1060.00	0.71	-6.79	1.12	0.03	-0.22	-0.05
71	139	700.00	-61.94	-14.61	1.45	-1.14	0.23	-9.94e-04
71	139	753.33	-61.94	-14.61	1.45	-6.64	0.53	4.15e-03
71	139	806.67	-54.83	-14.64	0.18	-9.13	0.74	-0.07
71	139	860.00	-45.92	-14.58	0.01	-9.60	0.79	-0.05
71	139	910.00	-37.06	-13.90	-0.17	-9.51	0.84	-9.33e-03
71	139	960.00	-28.38	-13.92	-0.37	-9.38	0.71	0.02
71	139	1010.00	-19.70	-13.93	-0.60	-9.19	0.45	0.05
71	139	1060.00	-2.89	-13.99	-0.68	-1.27	0.21	0.08
71	141	700.00	-54.24	-13.67	1.45	4.95	0.23	7.25e-03
71	141	753.33	-54.24	-13.67	1.45	-0.56	0.53	0.01
71	141	806.67	-48.61	-13.70	0.17	-3.75	0.74	-0.06
71	141	860.00	-41.03	-13.85	0.01	-4.98	0.80	-0.04
71	141	910.00	-33.31	-14.40	-0.17	-5.66	0.79	-7.05e-03
71	141	960.00	-25.62	-14.51	-0.36	-6.36	0.66	0.03
71	141	1010.00	-17.83	-14.67	-0.58	-7.08	0.43	0.06
71	141	1060.00	-2.42	-14.87	-0.66	-0.69	0.20	0.09
71	170	700.00	-14.77	-5.49	-0.45	10.97	-0.27	0.13
71	170	753.33	-14.77	-5.49	-0.45	5.46	0.03	0.13
71	170	806.67	-14.69	-5.45	-0.73	2.55	-0.48	0.04
71	170	860.00	-12.53	-5.52	-0.45	1.24	-0.77	-1.27e-03
71	170	910.00	-10.21	-6.29	-0.09	0.16	-0.96	-0.04
71	170	960.00	-7.87	-6.29	0.18	-1.09	-0.95	-0.06
71	170	1010.00	-5.58	-6.31	0.49	-2.46	-0.75	-0.08
71	170	1060.00	0.94	-6.32	1.24	0.12	-0.25	-0.06
71	171	700.00	-64.78	-15.17	1.57	-1.86	0.27	-8.98e-03
71	171	753.33	-64.78	-15.17	1.57	-7.36	0.56	-3.45e-03
71	171	806.67	-57.25	-15.20	0.23	-9.83	0.81	-0.08
71	171	860.00	-47.94	-15.13	0.04	-10.25	0.88	-0.05
71	171	910.00	-38.68	-14.37	-0.18	-10.09	0.95	-7.61e-03
71	171	960.00	-29.62	-14.39	-0.41	-9.87	0.81	0.03
71	171	1010.00	-20.56	-14.40	-0.67	-9.60	0.52	0.06
71	171	1060.00	-3.12	-14.46	-0.79	-1.36	0.23	0.09
71	173	700.00	-56.14	-14.11	1.57	4.98	0.26	2.48e-04
71	173	753.33	-56.14	-14.11	1.57	-0.53	0.56	6.11e-03
71	173	806.67	-50.27	-14.14	0.22	-3.78	0.82	-0.07
71	173	860.00	-42.44	-14.31	0.04	-5.06	0.90	-0.04
71	173	910.00	-34.48	-14.92	-0.17	-5.76	0.89	-5.04e-03
71	173	960.00	-26.52	-15.05	-0.39	-6.48	0.75	0.03
71	173	1010.00	-18.46	-15.23	-0.65	-7.22	0.51	0.07
71	173	1060.00	-2.59	-15.45	-0.78	-0.70	0.23	0.10
71	202	700.00	-14.55	-5.42	-0.46	10.99	-0.27	0.13
71	202	753.33	-14.55	-5.42	-0.46	5.49	0.03	0.13
71	202	806.67	-14.48	-5.38	-0.74	2.58	-0.49	0.04
71	202	860.00	-12.35	-5.44	-0.45	1.27	-0.79	-1.19e-03
71	202	910.00	-10.05	-6.18	-0.10	0.19	-0.98	-0.04
71	202	960.00	-7.75	-6.17	0.18	-1.06	-0.96	-0.06
71	202	1010.00	-5.49	-6.19	0.50	-2.43	-0.76	-0.08
71	202	1060.00	0.96	-6.19	1.26	0.12	-0.26	-0.06
71	203	700.00	-65.00	-15.23	1.58	-1.89	0.27	-9.58e-03
71	203	753.33	-65.00	-15.23	1.58	-7.39	0.57	-4.11e-03

71	203	806.67	-57.46	-15.27	0.25	-9.85	0.83	-0.08
71	203	860.00	-48.12	-15.21	0.05	-10.28	0.90	-0.05
71	203	910.00	-38.84	-14.48	-0.17	-10.12	0.97	-7.31e-03
71	203	960.00	-29.74	-14.51	-0.41	-9.90	0.83	0.03
71	203	1010.00	-20.64	-14.52	-0.68	-9.62	0.53	0.06
71	203	1060.00	-3.15	-14.59	-0.82	-1.36	0.24	0.09
71	205	700.00	-56.56	-14.19	1.58	4.84	0.27	-7.13e-04
71	205	753.33	-56.56	-14.19	1.58	-0.67	0.57	5.05e-03
71	205	806.67	-50.64	-14.23	0.24	-3.91	0.83	-0.07
71	205	860.00	-42.77	-14.41	0.05	-5.17	0.92	-0.04
71	205	910.00	-34.75	-15.00	-0.17	-5.86	0.91	-4.72e-03
71	205	960.00	-26.73	-15.12	-0.39	-6.56	0.77	0.03
71	205	1010.00	-18.60	-15.31	-0.66	-7.29	0.52	0.07
71	205	1060.00	-2.63	-15.54	-0.80	-0.72	0.23	0.10
71	234	700.00	-9.99	-4.53	-0.65	12.13	-0.32	0.14
71	234	753.33	-9.99	-4.53	-0.65	6.63	-0.02	0.14
71	234	806.67	-10.59	-4.47	-0.83	3.68	-0.62	0.05
71	234	860.00	-9.10	-4.54	-0.50	2.29	-0.95	3.14e-03
71	234	910.00	-7.43	-5.40	-0.09	1.11	-1.17	-0.04
71	234	960.00	-5.75	-5.38	0.24	-0.27	-1.13	-0.07
71	234	1010.00	-4.11	-5.40	0.61	-1.78	-0.88	-0.09
71	234	1060.00	1.34	-5.39	1.46	0.25	-0.30	-0.08
71	235	700.00	-69.56	-16.13	1.77	-3.03	0.32	-0.02
71	235	753.33	-69.56	-16.13	1.77	-8.53	0.62	-0.02
71	235	806.67	-61.35	-16.18	0.34	-10.95	0.95	-0.09
71	235	860.00	-51.37	-16.11	0.09	-11.31	1.06	-0.05
71	235	910.00	-41.46	-15.26	-0.18	-11.03	1.15	-4.44e-03
71	235	960.00	-31.74	-15.30	-0.47	-10.69	1.00	0.04
71	235	1010.00	-22.02	-15.31	-0.79	-10.27	0.66	0.07
71	235	1060.00	-3.52	-15.39	-1.01	-1.49	0.29	0.10
71	237	700.00	-59.75	-14.92	1.77	4.80	0.32	-0.01
71	237	753.33	-59.75	-14.92	1.77	-0.71	0.62	-5.83e-03
71	237	806.67	-53.43	-14.97	0.33	-4.04	0.95	-0.08
71	237	860.00	-45.16	-15.18	0.09	-5.35	1.08	-0.05
71	237	910.00	-36.70	-15.87	-0.18	-6.08	1.08	-1.37e-03
71	237	960.00	-28.25	-16.01	-0.45	-6.80	0.93	0.04
71	237	1010.00	-19.66	-16.23	-0.77	-7.55	0.64	0.08
71	237	1060.00	-2.92	-16.50	-0.99	-0.74	0.28	0.11
71	267	700.00	-47.43	-12.65	0.73	5.72	0.0	0.08
71	267	753.33	-47.43	-12.65	0.73	-1.02	0.39	0.09
71	267	806.67	-42.94	-12.65	-0.31	-4.30	0.22	-0.02
71	267	860.00	-36.05	-12.65	-0.26	-5.32	0.09	-0.03
71	267	910.00	-29.12	-12.65	-0.16	-5.86	6.39e-03	-0.03
71	267	960.00	-22.30	-12.66	-0.13	-6.49	-0.06	-0.02
71	267	1010.00	-15.49	-12.68	-0.11	-7.14	-0.11	-0.01
71	267	1060.00	-1.19	-12.72	0.23	-0.71	-8.81e-03	0.01
71	268	700.00	-51.80	-13.80	0.73	5.77	0.0	0.08
71	268	753.33	-51.80	-13.80	0.73	-1.58	0.39	0.08
71	268	806.67	-46.92	-13.80	-0.32	-5.10	0.22	-0.02
71	268	860.00	-39.50	-13.80	-0.27	-6.24	0.08	-0.03
71	268	910.00	-32.00	-13.81	-0.18	-6.83	-0.01	-0.03
71	268	960.00	-24.61	-13.82	-0.16	-7.50	-0.09	-0.02
71	268	1010.00	-17.24	-13.84	-0.13	-8.20	-0.15	-0.01
71	268	1060.00	-1.35	-13.89	0.31	-0.84	-0.01	0.02
71	285	700.00	-28.77	-6.97	0.30	2.82	0.0	0.03
71	285	753.33	-28.77	-6.97	0.30	-0.90	0.16	0.03
71	285	806.67	-25.94	-6.97	-0.15	-2.71	0.08	-0.01
71	285	860.00	-21.87	-6.97	-0.12	-3.36	0.02	-0.02
71	285	910.00	-17.73	-6.98	-0.09	-3.69	-0.03	-0.01
71	285	960.00	-13.64	-6.98	-0.09	-4.04	-0.07	-9.13e-03
71	285	1010.00	-9.58	-7.00	-0.07	-4.43	-0.11	-1.43e-03
71	285	1060.00	-0.95	-7.03	0.21	-0.50	-7.10e-03	0.02
71	298	700.00	-41.51	-10.86	0.60	4.84	0.0	0.07
71	298	753.33	-41.51	-10.86	0.60	-0.95	0.32	0.07
71	298	806.67	-37.55	-10.86	-0.26	-3.78	0.18	-0.02
71	298	860.00	-31.55	-10.86	-0.22	-4.68	0.06	-0.03
71	298	910.00	-25.50	-10.86	-0.14	-5.16	-6.30e-03	-0.02
71	298	960.00	-19.55	-10.87	-0.12	-5.70	-0.07	-0.02
71	298	1010.00	-13.62	-10.89	-0.09	-6.28	-0.11	-0.01
71	298	1060.00	-1.11	-10.92	0.23	-0.64	-8.30e-03	0.01
71	301	700.00	-41.52	-10.79	0.56	4.57	0.0	0.06
71	301	753.33	-41.52	-10.79	0.56	-1.18	0.30	0.06
71	301	806.67	-37.56	-10.79	-0.25	-3.96	0.17	-0.02
71	301	860.00	-31.61	-10.79	-0.21	-4.88	0.06	-0.03
71	301	910.00	-25.60	-10.79	-0.14	-5.35	-0.02	-0.02

71	301	960.00	-19.67	-10.80	-0.12	-5.88	-0.08	-0.02
71	301	1010.00	-13.77	-10.82	-0.10	-6.45	-0.13	-8.19e-03
71	301	1060.00	-1.15	-10.86	0.25	-0.68	-9.10e-03	0.02
71	308	700.00	-29.25	-7.10	0.31	2.83	0.0	0.03
71	308	753.33	-29.25	-7.10	0.31	-0.95	0.16	0.03
71	308	806.67	-26.36	-7.10	-0.14	-2.78	0.09	-0.01
71	308	860.00	-22.23	-7.10	-0.12	-3.44	0.02	-0.02
71	308	910.00	-18.02	-7.11	-0.09	-3.77	-0.02	-0.01
71	308	960.00	-13.86	-7.11	-0.09	-4.12	-0.07	-9.59e-03
71	308	1010.00	-9.73	-7.13	-0.07	-4.51	-0.10	-2.12e-03
71	308	1060.00	-0.96	-7.16	0.21	-0.50	-7.09e-03	0.02
71	309	700.00	-29.37	-7.13	0.31	2.84	0.0	0.03
71	309	753.33	-29.37	-7.13	0.31	-0.97	0.16	0.03
71	309	806.67	-26.47	-7.13	-0.14	-2.80	0.09	-0.01
71	309	860.00	-22.32	-7.13	-0.12	-3.46	0.02	-0.02
71	309	910.00	-18.09	-7.14	-0.09	-3.79	-0.02	-0.01
71	309	960.00	-13.92	-7.15	-0.09	-4.14	-0.07	-9.70e-03
71	309	1010.00	-9.77	-7.16	-0.07	-4.53	-0.10	-2.29e-03
71	309	1060.00	-0.96	-7.19	0.21	-0.50	-7.09e-03	0.02
71	310	700.00	-39.77	-10.33	0.56	4.55	0.0	0.06
71	310	753.33	-39.77	-10.33	0.56	-0.95	0.30	0.06
71	310	806.67	-35.97	-10.33	-0.25	-3.64	0.17	-0.02
71	310	860.00	-30.23	-10.33	-0.20	-4.51	0.06	-0.03
71	310	910.00	-24.45	-10.33	-0.14	-4.96	-8.75e-03	-0.02
71	310	960.00	-18.75	-10.34	-0.12	-5.48	-0.07	-0.02
71	310	1010.00	-13.07	-10.36	-0.09	-6.03	-0.11	-9.18e-03
71	310	1060.00	-1.09	-10.39	0.22	-0.62	-8.13e-03	0.01

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-73.99	-20.03	-1.01	-11.77	-1.17	-0.09
	1.34	-4.47	1.77	12.13	1.15	0.14

Macro	Tipo	Angolo 1-Z (gradi)
72	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
72	31	700.00	-6.90	1.62	-1.68	3.99	0.0	0.15
72	31	753.33	-6.90	1.62	-1.68	3.13	-0.90	0.22
72	31	806.67	-8.95	5.65	-1.07	1.07	-1.47	0.12
72	31	860.00	-10.33	5.62	-0.49	-0.33	-1.73	0.04
72	31	910.00	-11.68	5.63	0.04	-1.60	-1.71	-0.05
72	31	960.00	-12.88	5.65	0.57	-3.00	-1.43	-0.12
72	31	1010.00	-11.60	6.12	1.21	-3.13	-0.82	-0.17
72	31	1060.00	-8.30	7.23	1.69	-2.96	0.01	-0.14
72	45	700.00	-11.67	1.30	-2.81	0.38	0.0	0.26
72	45	753.33	-11.67	1.30	-2.81	-0.31	-1.50	0.37
72	45	806.67	-12.84	2.98	-1.75	-1.26	-2.43	0.21
72	45	860.00	-13.33	2.98	-0.79	-1.95	-2.85	0.07
72	45	910.00	-13.70	2.98	0.11	-2.64	-2.80	-0.08
72	45	960.00	-13.92	3.00	0.98	-3.48	-2.31	-0.20
72	45	1010.00	-11.83	2.96	1.97	-2.92	-1.33	-0.29
72	45	1060.00	-7.80	3.67	2.74	-2.70	0.02	-0.24
72	59	700.00	-26.77	1.70	-2.84e-03	-0.33	0.0	-3.70e-03
72	59	753.33	-26.77	1.70	-2.84e-03	-1.24	-1.51e-03	-5.55e-03
72	59	806.67	-29.84	6.40	-0.02	-3.65	-0.01	-5.95e-03
72	59	860.00	-31.31	6.65	-0.04	-5.38	-0.03	-4.95e-03
72	59	910.00	-32.74	6.96	-0.04	-7.09	-0.05	-1.69e-03
72	59	960.00	-34.06	7.27	-0.03	-9.06	-0.07	4.63e-03
72	59	1010.00	-30.13	8.58	0.04	-8.02	-0.05	0.01
72	59	1060.00	-21.28	10.91	0.08	-7.51	-1.29e-03	0.01
72	81	700.00	-29.89	2.77	-6.54e-04	-3.47	0.0	-2.76e-03
72	81	753.33	-29.89	2.77	-6.54e-04	-4.95	-3.49e-04	-4.31e-03
72	81	806.67	-32.73	5.90	-0.01	-7.06	-8.34e-03	-4.70e-03
72	81	860.00	-33.90	5.76	-0.03	-8.54	-0.02	-4.23e-03
72	81	910.00	-34.93	5.64	-0.03	-9.90	-0.04	-1.99e-03
72	81	960.00	-35.75	5.53	-0.02	-11.39	-0.05	2.73e-03
72	81	1010.00	-30.82	5.06	0.03	-8.80	-0.04	0.01
72	81	1060.00	-20.94	6.73	0.06	-7.47	-1.07e-03	0.01
72	113	700.00	-33.33	-12.37	1.06	-8.19	0.28	-0.04
72	113	753.33	-33.33	-12.37	1.06	-8.82	0.28	-0.04
72	113	806.67	-28.50	-9.59	0.68	-8.33	0.74	-0.03

72	113	860.00	-11.74	-9.63	0.46	-0.33	1.07	4.82e-03
72	113	910.00	-7.80	-9.35	0.29	0.51	1.24	0.03
72	113	960.00	-4.50	-9.24	-0.02	1.80	1.30	0.05
72	113	1010.00	-6.07	1.95	-1.04	-9.51e-03	1.05	0.05
72	113	1060.00	-7.15	6.58	-1.41	-1.67	0.37	0.04
72	114	700.00	-25.68	-2.79	1.02	-13.77	0.27	-0.04
72	114	753.33	-25.68	-2.79	1.02	-14.39	0.27	-0.04
72	114	806.67	-23.71	-1.00	0.61	-15.56	0.71	-0.03
72	114	860.00	-11.21	-0.75	0.37	-9.00	0.93	-7.37e-03
72	114	910.00	-11.03	-0.81	0.20	-9.61	1.10	0.02
72	114	960.00	-10.87	-0.93	-0.09	-9.93	1.12	0.04
72	114	1010.00	-9.54	-2.99	-0.93	-7.59	0.88	0.05
72	114	1060.00	-8.54	-1.17	-1.32	-3.66	0.32	0.05
72	116	700.00	11.95	14.72	-1.07	10.44	-0.28	0.03
72	116	753.33	11.95	14.72	-1.07	9.82	-0.28	0.03
72	116	806.67	4.32	17.37	-0.70	6.34	-0.75	0.02
72	116	860.00	-13.80	17.39	-0.50	-3.69	-1.10	-0.01
72	116	910.00	-19.09	17.13	-0.34	-6.37	-1.30	-0.04
72	116	960.00	-23.59	17.05	-0.01	-9.65	-1.38	-0.04
72	116	1010.00	-18.45	6.39	1.09	-6.90	-1.10	-0.03
72	116	1060.00	-9.83	3.68	1.50	-4.38	-0.37	-0.03
72	132	700.00	7.69	19.77	-0.39	-4.54	-0.10	1.06e-03
72	132	753.33	7.69	19.77	-0.39	-5.16	-0.10	-9.17e-04
72	132	806.67	0.09	20.97	-0.33	-9.76	-0.28	-9.20e-03
72	132	860.00	-12.28	21.41	-0.30	-15.67	-0.55	-0.02
72	132	910.00	-20.04	20.81	-0.25	-19.32	-0.62	-0.03
72	132	960.00	-26.57	20.46	-0.12	-23.43	-0.71	-0.03
72	132	1010.00	-19.39	-2.66	0.51	-15.98	-0.60	7.73e-03
72	132	1060.00	-11.01	-7.07	0.62	-6.45	-0.19	0.02
72	145	700.00	-36.25	-14.13	1.19	-9.34	0.32	-0.04
72	145	753.33	-36.25	-14.13	1.19	-9.97	0.32	-0.04
72	145	806.67	-30.62	-11.32	0.77	-9.22	0.83	-0.03
72	145	860.00	-11.62	-11.37	0.52	-0.06	1.20	5.85e-03
72	145	910.00	-7.07	-11.05	0.33	1.02	1.39	0.04
72	145	960.00	-3.26	-10.93	-0.02	2.61	1.47	0.05
72	145	1010.00	-5.26	1.70	-1.17	0.48	1.18	0.05
72	145	1060.00	-6.96	6.81	-1.59	-1.48	0.42	0.05
72	146	700.00	-27.59	-3.26	1.14	-15.65	0.30	-0.05
72	146	753.33	-27.59	-3.26	1.14	-16.28	0.30	-0.05
72	146	806.67	-25.21	-1.59	0.68	-17.41	0.79	-0.04
72	146	860.00	-11.03	-1.31	0.42	-9.89	1.05	-7.96e-03
72	146	910.00	-10.74	-1.38	0.23	-10.46	1.24	0.02
72	146	960.00	-10.48	-1.51	-0.10	-10.68	1.27	0.04
72	146	1010.00	-9.21	-3.89	-1.04	-8.10	0.99	0.06
72	146	1060.00	-8.54	-1.98	-1.49	-3.74	0.36	0.06
72	148	700.00	14.87	16.47	-1.20	11.59	-0.32	0.04
72	148	753.33	14.87	16.47	-1.20	10.96	-0.32	0.03
72	148	806.67	6.44	19.11	-0.79	7.24	-0.85	0.02
72	148	860.00	-13.92	19.13	-0.56	-3.96	-1.24	-0.01
72	148	910.00	-19.82	18.83	-0.38	-6.87	-1.45	-0.04
72	148	960.00	-24.84	18.73	-0.01	-10.45	-1.55	-0.05
72	148	1010.00	-19.25	6.64	1.22	-7.39	-1.23	-0.03
72	148	1060.00	-10.02	3.45	1.68	-4.57	-0.42	-0.03
72	164	700.00	10.12	22.23	-0.44	-5.31	-0.12	1.47e-03
72	164	753.33	10.12	22.23	-0.44	-5.94	-0.12	-6.41e-04
72	164	806.67	1.68	23.22	-0.37	-10.94	-0.32	-0.01
72	164	860.00	-12.22	23.71	-0.34	-17.50	-0.62	-0.03
72	164	910.00	-20.92	23.03	-0.28	-21.51	-0.69	-0.04
72	164	960.00	-28.24	22.63	-0.14	-26.03	-0.80	-0.03
72	164	1010.00	-20.34	-3.57	0.58	-17.66	-0.67	7.65e-03
72	164	1060.00	-11.34	-8.70	0.69	-6.91	-0.22	0.02
72	177	700.00	-36.70	-14.40	1.18	-9.19	0.31	-0.04
72	177	753.33	-36.70	-14.40	1.18	-9.82	0.31	-0.04
72	177	806.67	-30.94	-11.53	0.75	-9.02	0.82	-0.03
72	177	860.00	-11.69	-11.55	0.51	0.28	1.19	6.25e-03
72	177	910.00	-6.96	-11.22	0.33	1.44	1.37	0.04
72	177	960.00	-3.00	-11.09	-0.02	3.11	1.45	0.05
72	177	1010.00	-5.11	1.92	-1.15	0.81	1.17	0.05
72	177	1060.00	-6.88	7.06	-1.57	-1.40	0.41	0.04
72	178	700.00	-27.70	-3.12	1.12	-15.71	0.30	-0.05
72	178	753.33	-27.70	-3.12	1.12	-16.33	0.30	-0.04
72	178	806.67	-25.39	-1.43	0.67	-17.48	0.78	-0.04
72	178	860.00	-11.11	-1.16	0.40	-9.90	1.03	-8.08e-03
72	178	910.00	-10.81	-1.24	0.22	-10.46	1.21	0.02
72	178	960.00	-10.55	-1.37	-0.10	-10.67	1.24	0.04

72	178	1010.00	-9.24	-3.87	-1.02	-8.09	0.97	0.06
72	178	1060.00	-8.53	-2.06	-1.46	-3.74	0.35	0.06
72	180	700.00	15.32	16.74	-1.18	11.44	-0.31	0.04
72	180	753.33	15.32	16.74	-1.18	10.81	-0.31	0.03
72	180	806.67	6.76	19.31	-0.78	7.04	-0.83	0.02
72	180	860.00	-13.86	19.31	-0.55	-4.30	-1.22	-0.01
72	180	910.00	-19.93	19.00	-0.38	-7.30	-1.43	-0.04
72	180	960.00	-25.10	18.90	-0.02	-10.95	-1.53	-0.05
72	180	1010.00	-19.41	6.43	1.20	-7.72	-1.22	-0.03
72	180	1060.00	-10.10	3.20	1.66	-4.65	-0.41	-0.03
72	196	700.00	10.76	22.95	-0.44	-5.66	-0.12	1.58e-03
72	196	753.33	10.76	22.95	-0.44	-6.29	-0.12	-6.22e-04
72	196	806.67	1.98	23.83	-0.37	-11.40	-0.32	-0.01
72	196	860.00	-12.23	24.26	-0.34	-18.14	-0.61	-0.03
72	196	910.00	-21.22	23.56	-0.29	-22.29	-0.69	-0.04
72	196	960.00	-28.82	23.14	-0.14	-26.92	-0.81	-0.03
72	196	1010.00	-20.67	-3.93	0.58	-18.23	-0.68	7.40e-03
72	196	1060.00	-11.47	-9.28	0.70	-7.06	-0.22	0.02
72	209	700.00	-41.65	-17.37	1.37	-10.92	0.37	-0.05
72	209	753.33	-41.65	-17.37	1.37	-11.54	0.37	-0.04
72	209	806.67	-34.53	-14.43	0.88	-10.31	0.96	-0.03
72	209	860.00	-11.54	-14.45	0.60	0.94	1.39	8.16e-03
72	209	910.00	-5.73	-14.05	0.39	2.53	1.61	0.04
72	209	960.00	-0.86	-13.90	-0.02	4.71	1.70	0.06
72	209	1010.00	-3.74	1.66	-1.35	1.80	1.37	0.06
72	209	1060.00	-6.54	7.59	-1.84	-1.06	0.48	0.05
72	210	700.00	-30.78	-3.76	1.30	-18.75	0.35	-0.05
72	210	753.33	-30.78	-3.76	1.30	-19.37	0.35	-0.05
72	210	806.67	-27.87	-2.26	0.78	-20.47	0.91	-0.04
72	210	860.00	-10.86	-1.94	0.47	-11.32	1.20	-9.11e-03
72	210	910.00	-10.38	-2.03	0.26	-11.81	1.42	0.02
72	210	960.00	-9.99	-2.19	-0.12	-11.89	1.45	0.05
72	210	1010.00	-8.73	-5.30	-1.19	-8.92	1.14	0.07
72	210	1060.00	-8.52	-3.40	-1.71	-3.88	0.41	0.07
72	212	700.00	20.27	19.71	-1.38	13.17	-0.37	0.04
72	212	753.33	20.27	19.71	-1.38	12.54	-0.37	0.04
72	212	806.67	10.35	22.21	-0.91	8.32	-0.97	0.03
72	212	860.00	-14.01	22.21	-0.64	-4.96	-1.42	-0.01
72	212	910.00	-21.16	21.83	-0.44	-8.38	-1.67	-0.05
72	212	960.00	-27.24	21.70	-0.02	-12.55	-1.78	-0.06
72	212	1010.00	-20.78	6.68	1.40	-8.71	-1.42	-0.04
72	212	1060.00	-10.44	2.67	1.93	-4.99	-0.48	-0.03
72	228	700.00	15.08	27.37	-0.52	-7.14	-0.14	2.19e-03
72	228	753.33	15.08	27.37	-0.52	-7.76	-0.14	-2.65e-04
72	228	806.67	4.73	27.85	-0.43	-13.61	-0.37	-0.01
72	228	860.00	-12.12	28.36	-0.40	-21.49	-0.72	-0.03
72	228	910.00	-22.81	27.51	-0.34	-26.30	-0.81	-0.05
72	228	960.00	-31.86	27.00	-0.17	-31.68	-0.95	-0.04
72	228	1010.00	-22.39	-5.64	0.68	-21.29	-0.80	7.35e-03
72	228	1060.00	-12.08	-12.28	0.82	-7.89	-0.26	0.02
72	248	700.00	-12.86	0.85	0.93	-0.75	0.0	-0.09
72	248	753.33	-12.86	0.85	0.93	-1.20	0.50	-0.12
72	248	806.67	-13.76	2.60	0.58	-2.26	0.80	-0.07
72	248	860.00	-13.94	2.60	0.25	-2.98	0.94	-0.02
72	248	910.00	-14.13	2.61	-0.06	-3.64	0.91	0.02
72	248	960.00	-14.29	2.62	-0.34	-4.34	0.74	0.07
72	248	1010.00	-12.21	2.74	-0.64	-3.51	0.42	0.10
72	248	1060.00	-8.25	3.56	-0.87	-2.93	-6.82e-03	0.09
72	261	700.00	-12.33	1.25	-1.87	0.12	0.0	0.17
72	261	753.33	-12.33	1.25	-1.87	-0.55	-1.00	0.24
72	261	806.67	-13.52	3.06	-1.17	-1.58	-1.62	0.14
72	261	860.00	-14.00	3.05	-0.53	-2.32	-1.91	0.04
72	261	910.00	-14.39	3.06	0.07	-3.04	-1.87	-0.05
72	261	960.00	-14.65	3.07	0.65	-3.89	-1.55	-0.13
72	261	1010.00	-12.50	3.08	1.32	-3.23	-0.89	-0.19
72	261	1060.00	-8.34	3.86	1.84	-2.91	0.01	-0.16
72	271	700.00	-19.22	1.21	-2.18e-03	-0.30	0.0	-2.58e-03
72	271	753.33	-19.22	1.21	-2.18e-03	-0.94	-1.16e-03	-3.86e-03
72	271	806.67	-21.32	4.48	-0.01	-2.64	-9.15e-03	-4.10e-03
72	271	860.00	-22.28	4.65	-0.02	-3.86	-0.02	-3.41e-03
72	271	910.00	-23.21	4.86	-0.03	-5.05	-0.04	-1.17e-03
72	271	960.00	-24.07	5.06	-0.02	-6.43	-0.05	3.19e-03
72	271	1010.00	-21.22	5.95	0.03	-5.65	-0.03	0.01
72	271	1060.00	-14.92	7.57	0.06	-5.26	-8.97e-04	9.89e-03
72	281	700.00	-21.29	1.92	-7.21e-04	-2.39	0.0	-1.95e-03

72	281	753.33	-21.29	1.92	-7.21e-04	-3.42	-3.85e-04	-3.03e-03
72	281	806.67	-23.24	4.15	-0.01	-4.91	-5.90e-03	-3.27e-03
72	281	860.00	-24.01	4.06	-0.02	-5.96	-0.02	-2.93e-03
72	281	910.00	-24.67	3.97	-0.02	-6.92	-0.03	-1.37e-03
72	281	960.00	-25.20	3.90	-0.02	-7.98	-0.04	1.92e-03
72	281	1010.00	-21.68	3.60	0.02	-6.17	-0.03	7.49e-03
72	281	1060.00	-14.69	4.78	0.05	-5.23	-7.53e-04	7.45e-03
72	299	700.00	-14.42	1.10	-1.58e-03	-0.83	0.0	-1.59e-03
72	299	753.33	-14.42	1.10	-1.58e-03	-1.42	-8.40e-04	-2.38e-03
72	299	806.67	-15.59	2.97	-7.69e-03	-2.54	-4.94e-03	-2.42e-03
72	299	860.00	-15.95	2.96	-0.01	-3.32	-0.01	-2.11e-03
72	299	910.00	-16.27	2.97	-0.02	-4.05	-0.02	-9.13e-04
72	299	960.00	-16.52	2.98	-0.01	-4.86	-0.03	1.58e-03
72	299	1010.00	-14.15	3.06	0.02	-3.93	-0.02	5.80e-03
72	299	1060.00	-9.56	3.95	0.03	-3.38	-5.70e-04	5.74e-03
72	301	700.00	-12.43	1.30	-1.01e-03	0.75	0.0	-2.08e-03
72	301	753.33	-12.43	1.30	-1.01e-03	0.06	-5.41e-04	-3.21e-03
72	301	806.67	-14.00	4.10	-0.01	-1.50	-6.87e-03	-3.47e-03
72	301	860.00	-14.76	4.09	-0.02	-2.57	-0.02	-3.03e-03
72	301	910.00	-15.50	4.10	-0.03	-3.54	-0.03	-1.25e-03
72	301	960.00	-16.16	4.12	-0.02	-4.60	-0.04	2.40e-03
72	301	1010.00	-14.11	4.37	0.02	-3.97	-0.03	8.50e-03
72	301	1060.00	-9.77	5.43	0.05	-3.48	-7.81e-04	8.27e-03
72	302	700.00	-12.72	0.95	0.19	-0.52	0.0	-0.02
72	302	753.33	-12.72	0.95	0.19	-1.03	0.10	-0.03
72	302	806.67	-13.70	2.72	0.11	-2.08	0.16	-0.02
72	302	860.00	-13.96	2.72	0.04	-2.81	0.18	-6.46e-03
72	302	910.00	-14.20	2.73	-0.03	-3.48	0.17	4.27e-03
72	302	960.00	-14.38	2.74	-0.08	-4.22	0.13	0.02
72	302	1010.00	-12.29	2.83	-0.11	-3.43	0.07	0.03
72	302	1060.00	-8.27	3.64	-0.15	-2.93	-1.79e-03	0.02
72	304	700.00	-12.61	1.03	-0.38	-0.35	0.0	0.03
72	304	753.33	-12.61	1.03	-0.38	-0.90	-0.20	0.05
72	304	806.67	-13.65	2.81	-0.24	-1.94	-0.33	0.03
72	304	860.00	-13.97	2.81	-0.12	-2.67	-0.39	7.07e-03
72	304	910.00	-14.25	2.82	-4.17e-04	-3.36	-0.39	-0.01
72	304	960.00	-14.46	2.83	0.12	-4.13	-0.33	-0.03
72	304	1010.00	-12.34	2.90	0.28	-3.38	-0.19	-0.03
72	304	1060.00	-8.29	3.70	0.39	-2.92	1.98e-03	-0.03
72	309	700.00	-12.68	0.98	-1.61e-03	-0.46	0.0	-1.49e-03
72	309	753.33	-12.68	0.98	-1.61e-03	-0.98	-8.60e-04	-2.23e-03
72	309	806.67	-13.68	2.75	-7.04e-03	-2.03	-4.62e-03	-2.24e-03
72	309	860.00	-13.96	2.75	-0.01	-2.76	-0.01	-1.95e-03
72	309	910.00	-14.22	2.76	-0.02	-3.44	-0.02	-8.48e-04
72	309	960.00	-14.41	2.77	-0.01	-4.19	-0.03	1.47e-03
72	309	1010.00	-12.30	2.85	0.02	-3.42	-0.02	5.40e-03
72	309	1060.00	-8.28	3.66	0.03	-2.92	-5.33e-04	5.36e-03
72	310	700.00	-10.69	1.17	-1.05e-03	1.12	0.0	-1.98e-03
72	310	753.33	-10.69	1.17	-1.05e-03	0.50	-5.61e-04	-3.06e-03
72	310	806.67	-12.09	3.89	-0.01	-0.99	-6.55e-03	-3.29e-03
72	310	860.00	-12.77	3.88	-0.02	-2.01	-0.02	-2.88e-03
72	310	910.00	-13.45	3.89	-0.03	-2.93	-0.03	-1.19e-03
72	310	960.00	-14.05	3.90	-0.02	-3.92	-0.04	2.29e-03
72	310	1010.00	-12.26	4.17	0.02	-3.46	-0.03	8.11e-03
72	310	1060.00	-8.49	5.13	0.05	-3.02	-7.44e-04	7.89e-03

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-41.65	-17.37	-2.81	-31.68	-2.85	-0.29
	20.27	28.36	2.74	13.17	1.70	0.37

Macro	Tipo	Angolo 1-Z (gradi)
73	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
73	28	700.00	-2.94	-4.16	-1.74e-03	1.11	0.0	1.84e-03
73	28	753.33	-2.94	-4.16	-1.74e-03	-1.10	-9.28e-04	2.69e-03
73	28	806.67	-1.98	-4.00	-9.91e-05	-1.45	-9.81e-04	1.88e-03
73	28	860.00	-0.90	-3.63	1.84e-03	-1.78	0.0	9.72e-04
73	44	700.00	-2.91	-4.70	-1.46e-03	1.38	0.0	1.51e-03
73	44	753.33	-2.91	-4.70	-1.46e-03	-1.12	-7.80e-04	2.22e-03
73	44	806.67	-1.97	-4.49	-9.02e-05	-1.54	-8.28e-04	1.57e-03

73	44	860.00	-0.90	-4.03	1.55e-03	-1.92	0.0	8.22e-04
73	67	700.00	-2.17	-2.59	0.95	0.52	0.0	0.01
73	67	753.33	-2.17	-2.59	0.95	-0.86	0.51	0.02
73	67	806.67	-1.44	-2.52	-0.06	-1.03	0.47	0.02
73	67	860.00	-0.64	-2.30	-0.89	-1.17	0.0	0.01
73	69	700.00	-1.21	-1.41	0.95	0.25	0.0	0.01
73	69	753.33	-1.21	-1.41	0.95	-0.50	0.51	0.02
73	69	806.67	-0.79	-1.37	-0.06	-0.57	0.47	0.02
73	69	860.00	-0.34	-1.23	-0.89	-0.60	0.0	0.01
73	116	700.00	-3.01	-37.84	-0.18	4.82	-0.03	-0.01
73	116	753.33	-3.01	-37.84	-0.18	3.96	-0.03	-0.01
73	116	806.67	-2.53	-35.57	9.36e-03	-0.04	-0.09	-0.02
73	116	860.00	-1.97	-29.41	0.07	-3.84	-0.04	-0.03
73	117	700.00	-0.73	32.42	0.25	-4.11	0.05	0.01
73	117	753.33	-0.73	32.42	0.25	-4.98	0.05	0.01
73	117	806.67	0.20	30.17	-8.49e-03	-1.24	0.12	0.02
73	117	860.00	0.88	24.61	-0.14	2.17	0.06	0.03
73	136	700.00	-4.78	-21.18	-0.20	2.46	-0.05	-0.02
73	136	753.33	-4.78	-21.18	-0.20	1.60	-0.05	-0.02
73	136	806.67	-3.14	-20.15	-5.74e-03	-0.21	-0.11	-0.02
73	136	860.00	-2.34	-16.94	0.20	-2.25	-0.05	-0.01
73	141	700.00	1.03	10.68	0.42	-1.71	0.11	0.02
73	141	753.33	1.03	10.68	0.42	-2.58	0.11	0.02
73	141	806.67	1.25	9.53	8.70e-03	-1.13	0.23	0.02
73	141	860.00	1.29	7.74	-0.43	0.18	0.11	0.02
73	148	700.00	-3.16	-42.34	-0.20	5.38	-0.04	-0.01
73	148	753.33	-3.16	-42.34	-0.20	4.51	-0.04	-0.01
73	148	806.67	-2.69	-39.79	0.01	0.03	-0.10	-0.02
73	148	860.00	-2.15	-32.88	0.08	-4.22	-0.04	-0.04
73	149	700.00	-0.58	36.62	0.28	-4.67	0.06	0.02
73	149	753.33	-0.58	36.62	0.28	-5.53	0.06	0.02
73	149	806.67	0.39	34.09	-9.49e-03	-1.31	0.14	0.02
73	149	860.00	1.07	27.83	-0.16	2.53	0.06	0.04
73	168	700.00	-5.16	-23.70	-0.22	2.74	-0.06	-0.02
73	168	753.33	-5.16	-23.70	-0.22	1.87	-0.06	-0.02
73	168	806.67	-3.38	-22.53	-6.39e-03	-0.15	-0.12	-0.02
73	168	860.00	-2.57	-18.93	0.22	-2.45	-0.06	-0.02
73	173	700.00	1.41	12.23	0.48	-1.98	0.13	0.02
73	173	753.33	1.41	12.23	0.48	-2.84	0.13	0.02
73	173	806.67	1.57	10.93	9.76e-03	-1.19	0.26	0.02
73	173	860.00	1.53	8.90	-0.48	0.30	0.13	0.02
73	180	700.00	-3.20	-41.90	-0.20	5.34	-0.04	-0.01
73	180	753.33	-3.20	-41.90	-0.20	4.48	-0.04	-0.01
73	180	806.67	-2.68	-39.39	0.01	0.03	-0.10	-0.02
73	180	860.00	-2.16	-32.55	0.08	-4.18	-0.04	-0.03
73	181	700.00	-0.55	36.09	0.27	-4.62	0.06	0.02
73	181	753.33	-0.55	36.09	0.27	-5.49	0.06	0.02
73	181	806.67	0.38	33.59	-9.06e-03	-1.31	0.14	0.02
73	181	860.00	1.08	27.42	-0.16	2.48	0.06	0.04
73	200	700.00	-5.23	-23.94	-0.22	2.79	-0.06	-0.02
73	200	753.33	-5.23	-23.94	-0.22	1.93	-0.06	-0.02
73	200	806.67	-3.44	-22.77	-5.93e-03	-0.15	-0.12	-0.02
73	200	860.00	-2.59	-19.14	0.22	-2.50	-0.06	-0.02
73	205	700.00	1.46	12.14	0.48	-2.01	0.13	0.02
73	205	753.33	1.46	12.14	0.48	-2.88	0.13	0.02
73	205	806.67	1.63	10.85	9.50e-03	-1.20	0.26	0.02
73	205	860.00	1.57	8.85	-0.49	0.31	0.13	0.02
73	212	700.00	-3.47	-48.80	-0.23	6.20	-0.04	-0.02
73	212	753.33	-3.47	-48.80	-0.23	5.33	-0.04	-0.02
73	212	806.67	-2.95	-45.86	0.01	0.14	-0.11	-0.02
73	212	860.00	-2.45	-37.88	0.09	-4.77	-0.05	-0.04
73	213	700.00	-0.29	42.44	0.32	-5.47	0.07	0.02
73	213	753.33	-0.29	42.44	0.32	-6.34	0.07	0.02
73	213	806.67	0.68	39.51	-0.01	-1.43	0.16	0.03
73	213	860.00	1.37	32.28	-0.19	3.03	0.07	0.04
73	232	700.00	-5.89	-28.10	-0.26	3.26	-0.07	-0.03
73	232	753.33	-5.89	-28.10	-0.26	2.40	-0.07	-0.03
73	232	806.67	-3.87	-26.73	-6.92e-03	-0.06	-0.14	-0.02
73	232	860.00	-2.97	-22.45	0.27	-2.84	-0.07	-0.02
73	237	700.00	2.08	14.48	0.58	-2.44	0.15	0.03
73	237	753.33	2.08	14.48	0.58	-3.31	0.15	0.03
73	237	806.67	2.16	12.96	0.01	-1.31	0.31	0.03
73	237	860.00	1.96	10.61	-0.58	0.49	0.16	0.02
73	256	700.00	-2.13	-2.90	-1.21e-03	0.76	0.0	1.27e-03
73	256	753.33	-2.13	-2.90	-1.21e-03	-0.78	-6.46e-04	1.85e-03

73	256	806.67	-1.44	-2.79	-6.69e-05	-1.02	-6.82e-04	1.30e-03
73	256	860.00	-0.65	-2.53	1.28e-03	-1.24	0.0	6.68e-04
73	264	700.00	-2.12	-3.26	-1.03e-03	0.94	0.0	1.05e-03
73	264	753.33	-2.12	-3.26	-1.03e-03	-0.80	-5.48e-04	1.54e-03
73	264	806.67	-1.43	-3.12	-6.10e-05	-1.08	-5.80e-04	1.09e-03
73	264	860.00	-0.65	-2.80	1.09e-03	-1.33	0.0	5.68e-04
73	273	700.00	-1.42	-1.38	0.63	0.26	0.0	8.62e-03
73	273	753.33	-1.42	-1.38	0.63	-0.47	0.34	0.01
73	273	806.67	-0.94	-1.35	-0.04	-0.54	0.32	0.02
73	273	860.00	-0.41	-1.22	-0.59	-0.60	0.0	8.45e-03
73	275	700.00	-1.62	-1.85	0.63	0.37	0.0	9.20e-03
73	275	753.33	-1.62	-1.85	0.63	-0.62	0.34	0.02
73	275	806.67	-1.08	-1.81	-0.04	-0.74	0.32	0.02
73	275	860.00	-0.47	-1.64	-0.59	-0.83	0.0	8.75e-03
73	305	700.00	-1.91	-1.91	-9.32e-04	0.46	0.0	9.32e-04
73	305	753.33	-1.91	-1.91	-9.32e-04	-0.56	-4.97e-04	1.36e-03
73	305	806.67	-1.28	-1.85	-2.25e-05	-0.70	-5.09e-04	9.30e-04
73	305	860.00	-0.57	-1.69	9.54e-04	-0.84	0.0	4.68e-04
73	306	700.00	-1.64	-1.25	0.13	0.26	0.0	2.05e-03
73	306	753.33	-1.64	-1.25	0.13	-0.40	0.07	3.43e-03
73	306	806.67	-1.10	-1.22	-8.39e-03	-0.48	0.06	3.32e-03
73	306	860.00	-0.48	-1.12	-0.12	-0.56	0.0	1.84e-03
73	307	700.00	-1.81	-1.66	0.13	0.35	0.0	2.56e-03
73	307	753.33	-1.81	-1.66	0.13	-0.54	0.07	4.17e-03
73	307	806.67	-1.22	-1.62	-8.43e-03	-0.64	0.06	3.83e-03
73	307	860.00	-0.54	-1.49	-0.12	-0.76	0.0	2.10e-03
73	309	700.00	-1.70	-1.22	-5.40e-04	0.26	0.0	4.14e-04
73	309	753.33	-1.70	-1.22	-5.40e-04	-0.39	-2.88e-04	5.97e-04
73	309	806.67	-1.14	-1.19	2.20e-05	-0.46	-2.76e-04	3.94e-04
73	309	860.00	-0.50	-1.09	5.18e-04	-0.55	0.0	1.92e-04
73	310	700.00	-1.87	-1.62	-9.28e-04	0.35	0.0	9.16e-04
73	310	753.33	-1.87	-1.62	-9.28e-04	-0.52	-4.95e-04	1.33e-03
73	310	806.67	-1.26	-1.59	-1.60e-05	-0.63	-5.03e-04	9.06e-04
73	310	860.00	-0.55	-1.46	9.44e-04	-0.75	0.0	4.53e-04

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-5.89	-48.80	-0.89	-6.34	-0.14	-0.04
			2.16	42.44	0.95	6.20	0.51	0.04

Macro	Tipo	Angolo 1-Z (gradi)
74	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
74	27	700.00	-51.48	-35.50	0.08	-3.79	1.39e-03	1.97e-03
74	27	753.33	-50.77	-35.44	0.05	-22.97	0.04	6.38e-03
74	27	806.67	-69.48	10.15	-0.01	43.06	0.04	5.22e-03
74	27	860.00	-66.30	10.86	-0.03	48.94	0.03	7.76e-03
74	27	910.00	-63.30	11.60	-0.03	54.86	0.01	9.44e-03
74	27	960.00	-60.44	12.32	-0.02	61.14	4.33e-04	0.01
74	27	1010.00	-57.55	13.02	-3.95e-04	67.77	-5.07e-03	0.01
74	27	1060.00	-52.68	1.08	6.77e-03	78.04	2.00e-04	-2.70e-04
74	44	700.00	-77.95	-31.56	0.05	41.97	9.13e-04	-3.44e-03
74	44	753.33	-77.25	-31.42	0.03	24.92	0.02	3.04e-03
74	44	806.67	-92.35	7.06	-0.02	79.47	0.02	4.22e-03
74	44	860.00	-89.11	8.25	-0.03	83.87	2.60e-03	7.27e-03
74	44	910.00	-86.05	9.44	-0.03	88.64	-0.01	9.48e-03
74	44	960.00	-83.11	10.61	-8.18e-03	93.99	-0.02	0.01
74	44	1010.00	-80.13	11.75	0.02	99.90	-0.02	0.02
74	44	1060.00	-74.26	-2.92	0.03	111.63	2.42e-04	-5.11e-03
74	55	700.00	-32.57	-27.48	0.12	-21.04	1.95e-03	7.82e-03
74	55	753.33	-31.93	-27.54	0.07	-35.95	0.05	8.66e-03
74	55	806.67	-48.32	11.10	-1.08e-03	21.96	0.07	5.48e-03
74	55	860.00	-45.99	11.10	-0.03	28.05	0.06	6.72e-03
74	55	910.00	-43.81	11.13	-0.04	33.81	0.04	7.29e-03
74	55	960.00	-41.75	11.16	-0.03	39.60	0.02	7.50e-03
74	55	1010.00	-39.67	11.22	-0.02	45.40	7.91e-03	8.25e-03
74	55	1060.00	-36.24	2.15	-0.02	53.23	1.07e-04	5.23e-03
74	81	700.00	-109.98	-9.48	-0.02	81.64	-1.71e-04	3.61e-03
74	81	753.33	-109.40	-9.50	-0.02	76.37	-0.01	4.29e-03
74	81	806.67	-115.96	10.78	-0.03	110.00	-0.03	2.61e-03
74	81	860.00	-112.54	10.77	-0.03	115.83	-0.05	3.20e-03

74	81	910.00	-109.28	10.78	-9.67e-03	121.33	-0.05	3.33e-03
74	81	960.00	-106.13	10.81	0.02	126.83	-0.05	3.27e-03
74	81	1010.00	-102.90	10.92	0.05	132.34	-0.04	4.63e-03
74	81	1060.00	-96.13	-6.51	0.07	144.77	7.49e-05	2.04e-03
74	123	700.00	-37.76	-71.17	1.16	170.10	0.30	0.01
74	123	753.33	-37.29	-71.21	1.14	161.37	0.31	0.01
74	123	806.67	-47.42	-45.70	0.67	170.44	0.79	0.01
74	123	860.00	-45.40	-43.03	0.27	147.50	1.02	0.01
74	123	910.00	-44.06	-41.07	-0.08	123.98	1.08	0.01
74	123	960.00	-42.26	-39.22	-0.37	103.98	0.96	0.01
74	123	1010.00	-40.70	-37.76	-0.69	85.12	0.69	9.21e-03
74	123	1060.00	-34.72	-41.20	-1.05	75.36	0.25	7.27e-03
74	129	700.00	-29.20	-30.59	3.30	63.45	0.91	0.04
74	129	753.33	-28.73	-30.63	3.28	54.72	0.92	0.04
74	129	806.67	-39.40	-7.41	2.05	82.39	2.36	0.03
74	129	860.00	-37.99	-6.94	0.90	77.20	3.14	0.04
74	129	910.00	-39.13	-6.70	-0.22	67.48	3.37	0.03
74	129	960.00	-38.76	-6.39	-1.17	65.39	3.05	0.03
74	129	1010.00	-38.99	-6.10	-2.19	65.38	2.21	0.02
74	129	1060.00	-35.03	-12.74	-3.32	63.34	0.81	0.02
74	130	700.00	-60.46	15.61	-3.43	-103.28	-0.88	-0.01
74	130	753.33	-59.99	15.57	-3.45	-112.01	-0.87	-0.01
74	130	806.67	-67.42	40.03	-2.13	-56.88	-2.34	-0.01
74	130	860.00	-63.32	39.34	-0.95	-34.79	-3.16	-0.01
74	130	910.00	-56.97	38.67	0.16	-8.92	-3.36	-0.01
74	130	960.00	-52.32	38.12	1.12	8.98	-3.05	-6.68e-03
74	130	1010.00	-46.32	37.56	2.19	24.86	-2.22	-1.25e-03
74	130	1060.00	-43.30	26.62	3.39	45.44	-0.82	-2.47e-03
74	131	700.00	-26.31	-47.70	3.52	113.00	0.89	0.02
74	131	753.33	-25.84	-47.73	3.50	104.27	0.90	0.02
74	131	806.67	-36.94	-23.62	2.11	123.55	2.38	0.02
74	131	860.00	-35.93	-22.94	0.91	110.40	3.18	0.02
74	131	910.00	-37.42	-22.23	-0.20	92.97	3.36	0.02
74	131	960.00	-37.43	-21.63	-1.14	83.54	3.04	0.02
74	131	1010.00	-38.73	-20.98	-2.18	76.15	2.21	0.01
74	131	1060.00	-34.28	-26.57	-3.38	68.87	0.82	8.36e-03
74	155	700.00	-37.03	-78.04	1.30	190.69	0.33	0.02
74	155	753.33	-36.56	-78.08	1.29	181.95	0.35	0.02
74	155	806.67	-46.81	-52.42	0.76	187.52	0.89	0.01
74	155	860.00	-44.86	-49.41	0.31	161.19	1.15	0.01
74	155	910.00	-43.66	-47.22	-0.09	134.25	1.22	0.01
74	155	960.00	-41.94	-45.14	-0.42	111.24	1.08	0.01
74	155	1010.00	-40.49	-43.50	-0.78	89.51	0.78	9.78e-03
74	155	1060.00	-34.24	-46.35	-1.19	77.76	0.29	7.85e-03
74	161	700.00	-27.33	-32.52	3.73	70.97	1.03	0.04
74	161	753.33	-26.86	-32.55	3.71	62.23	1.05	0.04
74	161	806.67	-37.70	-9.48	2.32	88.68	2.67	0.04
74	161	860.00	-36.46	-8.97	1.02	82.26	3.56	0.04
74	161	910.00	-38.04	-8.70	-0.24	70.81	3.82	0.04
74	161	960.00	-37.93	-8.36	-1.33	67.87	3.45	0.03
74	161	1010.00	-38.49	-8.04	-2.48	67.25	2.50	0.03
74	161	1060.00	-34.55	-14.46	-3.76	64.17	0.92	0.02
74	162	700.00	-62.71	19.60	-3.90	-116.76	-1.00	-0.02
74	162	753.33	-62.24	19.56	-3.91	-125.49	-0.98	-0.01
74	162	806.67	-69.43	44.07	-2.41	-68.12	-2.65	-0.01
74	162	860.00	-65.12	43.30	-1.07	-43.85	-3.58	-0.02
74	162	910.00	-58.28	42.55	0.18	-15.34	-3.81	-0.01
74	162	960.00	-53.32	41.92	1.27	4.30	-3.46	-8.20e-03
74	162	1010.00	-46.84	41.30	2.49	21.66	-2.52	-2.15e-03
74	162	1060.00	-43.86	30.01	3.84	43.92	-0.93	-3.25e-03
74	163	700.00	-24.06	-51.68	3.98	126.49	1.00	0.03
74	163	753.33	-23.59	-51.72	3.96	117.75	1.02	0.03
74	163	806.67	-34.93	-27.66	2.39	134.79	2.69	0.02
74	163	860.00	-34.13	-26.90	1.04	119.46	3.60	0.03
74	163	910.00	-36.11	-26.11	-0.22	99.39	3.81	0.02
74	163	960.00	-36.43	-25.44	-1.29	88.22	3.45	0.02
74	163	1010.00	-38.21	-24.71	-2.48	79.35	2.50	0.01
74	163	1060.00	-33.71	-29.96	-3.82	70.39	0.93	9.15e-03
74	187	700.00	-37.01	-77.24	1.34	188.48	0.35	0.02
74	187	753.33	-36.54	-77.28	1.33	179.75	0.36	0.02
74	187	806.67	-46.80	-51.60	0.78	185.78	0.92	0.01
74	187	860.00	-44.88	-48.67	0.32	159.88	1.19	0.01
74	187	910.00	-43.69	-46.53	-0.09	133.52	1.26	0.01
74	187	960.00	-42.04	-44.48	-0.44	110.95	1.12	0.01
74	187	1010.00	-40.67	-42.84	-0.81	89.70	0.81	0.01

74	187	1060.00	-34.54	-45.79	-1.23	78.67	0.30	8.07e-03
74	193	700.00	-26.82	-33.08	3.87	71.61	1.07	0.04
74	193	753.33	-26.35	-33.12	3.86	62.88	1.08	0.04
74	193	806.67	-37.20	-10.16	2.41	89.17	2.77	0.04
74	193	860.00	-36.05	-9.69	1.06	82.78	3.70	0.04
74	193	910.00	-37.55	-9.43	-0.24	71.55	3.96	0.04
74	193	960.00	-37.52	-9.10	-1.38	68.22	3.58	0.03
74	193	1010.00	-38.15	-8.79	-2.57	67.18	2.60	0.03
74	193	1060.00	-34.54	-15.14	-3.90	64.52	0.95	0.02
74	194	700.00	-63.24	19.59	-4.04	-115.86	-1.04	-0.02
74	194	753.33	-62.77	19.55	-4.05	-124.60	-1.02	-0.02
74	194	806.67	-69.96	44.20	-2.50	-67.34	-2.75	-0.02
74	194	860.00	-65.54	43.49	-1.11	-43.36	-3.71	-0.02
74	194	910.00	-58.76	42.77	0.18	-15.33	-3.95	-0.02
74	194	960.00	-53.71	42.17	1.32	4.41	-3.58	-9.09e-03
74	194	1010.00	-47.13	41.56	2.58	21.92	-2.61	-2.90e-03
74	194	1060.00	-43.81	30.23	3.98	43.53	-0.96	-3.87e-03
74	195	700.00	-23.53	-51.67	4.12	125.59	1.04	0.03
74	195	753.33	-23.06	-51.71	4.10	116.86	1.06	0.03
74	195	806.67	-34.40	-27.79	2.48	134.01	2.79	0.02
74	195	860.00	-33.70	-27.08	1.07	118.97	3.74	0.03
74	195	910.00	-35.63	-26.33	-0.22	99.38	3.95	0.02
74	195	960.00	-36.04	-25.68	-1.34	88.12	3.57	0.02
74	195	1010.00	-37.92	-24.97	-2.57	79.09	2.59	0.01
74	195	1060.00	-33.76	-30.19	-3.96	70.78	0.96	9.77e-03
74	219	700.00	-35.76	-87.40	1.60	218.94	0.41	0.02
74	219	753.33	-35.29	-87.43	1.59	210.20	0.43	0.02
74	219	806.67	-45.73	-61.55	0.94	211.06	1.10	0.02
74	219	860.00	-43.94	-58.15	0.39	180.14	1.43	0.02
74	219	910.00	-42.98	-55.65	-0.11	148.74	1.52	0.02
74	219	960.00	-41.48	-53.28	-0.52	121.72	1.35	0.01
74	219	1010.00	-40.31	-51.38	-0.97	96.26	0.98	0.01
74	219	1060.00	-33.82	-53.45	-1.48	82.34	0.36	9.08e-03
74	225	700.00	-23.49	-36.65	4.66	84.85	1.29	0.05
74	225	753.33	-23.02	-36.69	4.65	76.11	1.30	0.05
74	225	806.67	-34.17	-14.02	2.91	100.24	3.33	0.04
74	225	860.00	-33.32	-13.47	1.28	91.74	4.45	0.05
74	225	910.00	-35.53	-13.18	-0.29	77.66	4.78	0.04
74	225	960.00	-35.97	-12.79	-1.66	72.71	4.32	0.04
74	225	1010.00	-37.21	-12.43	-3.10	70.46	3.13	0.03
74	225	1060.00	-33.71	-18.38	-4.71	66.09	1.15	0.03
74	226	700.00	-67.21	26.16	-4.87	-137.75	-1.25	-0.02
74	226	753.33	-66.74	26.12	-4.89	-146.49	-1.24	-0.02
74	226	806.67	-73.53	50.91	-3.01	-85.59	-3.32	-0.02
74	226	860.00	-68.73	50.09	-1.34	-58.11	-4.48	-0.02
74	226	910.00	-61.16	49.25	0.22	-25.90	-4.76	-0.02
74	226	960.00	-55.55	48.53	1.59	-3.27	-4.32	-0.01
74	226	1010.00	-48.12	47.82	3.10	16.73	-3.14	-4.76e-03
74	226	1060.00	-44.77	35.91	4.79	40.97	-1.16	-5.47e-03
74	227	700.00	-19.56	-58.24	4.95	147.48	1.26	0.03
74	227	753.33	-19.09	-58.28	4.94	138.75	1.27	0.03
74	227	806.67	-30.83	-34.50	2.99	152.26	3.36	0.03
74	227	860.00	-30.52	-33.68	1.30	133.72	4.50	0.03
74	227	910.00	-33.24	-32.80	-0.26	109.96	4.76	0.03
74	227	960.00	-34.20	-32.05	-1.61	95.79	4.31	0.02
74	227	1010.00	-36.93	-31.23	-3.09	84.27	3.13	0.01
74	227	1060.00	-32.81	-35.86	-4.77	73.34	1.16	0.01
74	255	700.00	-39.66	-24.22	0.06	-0.20	9.59e-04	1.55e-03
74	255	753.33	-39.14	-24.18	0.03	-13.29	0.02	4.52e-03
74	255	806.67	-51.77	7.25	-8.84e-03	32.42	0.03	3.65e-03
74	255	860.00	-49.28	7.72	-0.02	36.60	0.02	5.38e-03
74	255	910.00	-46.93	8.22	-0.02	40.79	8.28e-03	6.51e-03
74	255	960.00	-44.68	8.70	-0.01	45.23	-9.06e-04	7.33e-03
74	255	1010.00	-42.41	9.17	9.58e-04	49.90	-4.32e-03	9.66e-03
74	255	1060.00	-38.70	0.56	6.12e-03	57.22	1.38e-04	-3.52e-05
74	263	700.00	-42.61	-22.15	0.04	12.88	7.54e-04	-2.19e-03
74	263	753.33	-42.13	-22.06	0.03	0.91	0.02	2.13e-03
74	263	806.67	-52.14	4.29	-0.01	37.97	0.02	2.85e-03
74	263	860.00	-49.59	5.08	-0.02	40.68	0.01	4.91e-03
74	263	910.00	-47.17	5.88	-0.02	43.64	1.52e-03	6.42e-03
74	263	960.00	-44.85	6.66	-9.55e-03	47.00	-5.62e-03	7.65e-03
74	263	1010.00	-42.51	7.41	5.67e-03	50.73	-6.79e-03	0.01
74	263	1060.00	-38.69	-0.58	0.01	57.42	1.60e-04	-3.27e-03
74	264	700.00	-57.31	-21.60	0.03	30.31	6.43e-04	-2.06e-03
74	264	753.33	-56.80	-21.50	0.02	18.63	0.01	2.29e-03

74	264	806.67	-67.01	5.19	-0.02	56.70	0.01	2.99e-03
74	264	860.00	-64.49	5.98	-0.02	59.89	1.42e-03	5.05e-03
74	264	910.00	-62.09	6.78	-0.02	63.32	-9.00e-03	6.54e-03
74	264	960.00	-59.80	7.56	-5.57e-03	67.13	-0.02	7.74e-03
74	264	1010.00	-57.47	8.32	0.02	71.32	-0.01	0.01
74	264	1060.00	-53.09	-2.10	0.02	79.61	1.65e-04	-3.26e-03
74	281	700.00	-78.66	-6.87	-0.01	56.76	-8.02e-05	2.63e-03
74	281	753.33	-78.23	-6.89	-0.01	52.93	-7.15e-03	3.13e-03
74	281	806.67	-82.76	7.67	-0.02	77.05	-0.02	1.91e-03
74	281	860.00	-80.10	7.66	-0.02	81.20	-0.03	2.34e-03
74	281	910.00	-77.58	7.67	-7.40e-03	85.11	-0.04	2.44e-03
74	281	960.00	-75.14	7.69	0.01	89.03	-0.04	2.40e-03
74	281	1010.00	-72.65	7.77	0.04	92.95	-0.03	3.36e-03
74	281	1060.00	-67.67	-4.50	0.05	101.70	5.39e-05	1.50e-03
74	298	700.00	-42.43	-17.37	0.05	1.96	8.02e-04	4.80e-03
74	298	753.33	-41.94	-17.41	0.03	-7.49	0.02	5.46e-03
74	298	806.67	-52.07	8.62	-9.21e-03	32.25	0.02	3.30e-03
74	298	860.00	-49.53	8.61	-0.02	36.94	0.01	4.11e-03
74	298	910.00	-47.12	8.63	-0.02	41.38	4.14e-03	4.46e-03
74	298	960.00	-44.82	8.66	-0.01	45.83	-3.54e-03	4.57e-03
74	298	1010.00	-42.49	8.71	3.71e-03	50.29	-5.49e-03	5.26e-03
74	298	1060.00	-38.78	0.29	6.74e-03	57.13	7.32e-05	3.17e-03
74	299	700.00	-55.01	-7.87	0.01	29.26	3.25e-04	2.65e-03
74	299	753.33	-54.61	-7.88	6.42e-03	24.91	5.70e-03	3.06e-03
74	299	806.67	-58.82	6.10	-0.01	47.34	1.93e-03	1.90e-03
74	299	860.00	-56.15	6.10	-0.02	50.65	-6.46e-03	2.33e-03
74	299	910.00	-53.61	6.11	-0.01	53.78	-0.01	2.47e-03
74	299	960.00	-51.17	6.13	-2.99e-04	56.91	-0.02	2.47e-03
74	299	1010.00	-48.69	6.18	0.02	60.05	-0.01	3.14e-03
74	299	1060.00	-44.60	-2.18	0.02	66.20	4.70e-05	1.63e-03
74	305	700.00	-43.42	-17.00	0.04	7.05	7.31e-04	3.09e-03
74	305	753.33	-42.95	-17.01	0.02	-2.19	0.02	4.44e-03
74	305	806.67	-52.20	7.34	-9.72e-03	34.48	0.02	3.00e-03
74	305	860.00	-49.64	7.50	-0.02	38.55	0.01	4.01e-03
74	305	910.00	-47.21	7.67	-0.02	42.48	1.71e-03	4.56e-03
74	305	960.00	-44.88	7.84	-9.32e-03	46.49	-5.25e-03	4.88e-03
74	305	1010.00	-42.53	8.03	5.41e-03	50.59	-6.40e-03	6.09e-03
74	305	1060.00	-38.77	-0.15	9.46e-03	57.22	8.66e-05	1.66e-03
74	309	700.00	-49.13	-8.09	0.02	22.28	3.69e-04	2.60e-03
74	309	753.33	-48.74	-8.11	9.05e-03	17.82	7.42e-03	3.00e-03
74	309	806.67	-52.87	5.74	-0.01	39.85	4.96e-03	1.85e-03
74	309	860.00	-50.19	5.74	-0.01	42.96	-2.54e-03	2.27e-03
74	309	910.00	-47.64	5.75	-0.01	45.91	-9.18e-03	2.42e-03
74	309	960.00	-45.19	5.77	-1.89e-03	48.86	-0.01	2.44e-03
74	309	1010.00	-42.71	5.81	0.01	51.81	-0.01	3.03e-03
74	309	1060.00	-38.83	-1.57	0.02	57.33	4.49e-05	1.63e-03
74	310	700.00	-43.38	-16.04	0.04	4.86	7.40e-04	4.48e-03
74	310	753.33	-42.91	-16.08	0.03	-3.87	0.02	5.11e-03
74	310	806.67	-52.18	8.21	-9.53e-03	33.33	0.02	3.09e-03
74	310	860.00	-49.62	8.20	-0.02	37.80	0.01	3.85e-03
74	310	910.00	-47.20	8.22	-0.02	42.03	2.24e-03	4.17e-03
74	310	960.00	-44.87	8.24	-9.58e-03	46.26	-4.84e-03	4.26e-03
74	310	1010.00	-42.52	8.29	5.02e-03	50.50	-6.14e-03	4.94e-03
74	310	1060.00	-38.79	0.02	8.21e-03	57.16	6.92e-05	2.95e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-115.96	-87.43	-4.89	-146.49	-4.76	-0.02
			-19.09	50.91	4.95	218.94	4.78	0.05

Macro	Tipo	Angolo 1-Z (gradi)
75	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
75	27	700.00	-75.59	-17.48	-0.14	39.10	-8.68e-03	0.02
75	27	753.33	-72.53	-11.90	0.04	25.65	-0.05	0.02
75	27	753.33	-72.53	-11.90	0.04	25.65	-0.05	0.02
75	27	806.67	-68.12	-4.18	0.18	21.13	0.03	0.02
75	27	806.67	-68.12	-4.18	0.18	21.13	0.03	0.02
75	27	860.00	-62.08	-0.13	0.20	17.03	0.14	0.02
75	27	910.00	-56.53	1.51	0.16	14.12	0.23	9.22e-03
75	27	960.00	-51.33	2.15	0.03	11.18	0.26	-3.03e-03

75	27	1010.00	-46.79	2.10	-0.24	7.48	0.17	-0.02
75	27	1060.00	-41.61	2.38	-0.33	11.22	2.07e-03	-0.02
75	44	700.00	-92.14	-16.16	-0.03	38.07	-0.01	0.02
75	44	753.33	-88.87	-11.68	0.12	24.70	1.06e-03	0.02
75	44	753.33	-88.87	-11.68	0.12	24.70	1.06e-03	0.02
75	44	806.67	-84.83	-5.49	0.22	20.15	0.11	0.02
75	44	806.67	-84.83	-5.49	0.22	20.15	0.11	0.02
75	44	860.00	-79.30	-2.13	0.21	16.05	0.23	0.02
75	44	910.00	-74.17	-0.72	0.14	13.03	0.32	7.93e-03
75	44	960.00	-69.35	-0.27	-0.02	9.96	0.34	-4.75e-03
75	44	1010.00	-65.16	-0.57	-0.32	6.25	0.21	-0.02
75	44	1060.00	-58.95	-0.16	-0.41	12.20	1.94e-03	-0.01
75	45	700.00	-45.77	-7.96	0.11	15.63	-0.01	0.02
75	45	753.33	-44.07	-6.63	0.15	9.07	0.05	0.01
75	45	753.33	-44.07	-6.63	0.15	9.07	0.05	0.01
75	45	806.67	-42.09	-4.68	0.15	7.66	0.13	0.01
75	45	806.67	-42.09	-4.68	0.15	7.66	0.13	0.01
75	45	860.00	-39.14	-3.34	0.10	6.04	0.20	7.65e-03
75	45	910.00	-36.33	-2.55	0.03	4.87	0.24	2.00e-03
75	45	960.00	-33.64	-2.07	-0.07	3.68	0.22	-5.30e-03
75	45	1010.00	-31.18	-1.87	-0.22	2.30	0.14	-0.02
75	45	1060.00	-27.53	-1.39	-0.27	5.21	7.21e-04	-6.64e-03
75	59	700.00	-116.24	-12.36	-0.16	44.93	-3.35e-03	0.01
75	59	753.33	-111.59	-7.75	0.01	30.74	-0.05	0.02
75	59	753.33	-111.59	-7.75	0.01	30.74	-0.05	0.02
75	59	806.67	-106.56	-1.73	0.16	25.31	8.48e-03	0.02
75	59	806.67	-106.56	-1.73	0.16	25.31	8.48e-03	0.02
75	59	860.00	-100.14	0.99	0.21	20.39	0.12	0.02
75	59	910.00	-94.24	1.57	0.19	16.51	0.22	0.01
75	59	960.00	-88.73	1.03	0.08	12.40	0.27	1.37e-03
75	59	1010.00	-84.05	-0.44	-0.24	7.41	0.18	-0.02
75	59	1060.00	-76.71	-0.64	-0.35	15.00	2.48e-03	-0.01
75	123	700.00	-52.72	-43.55	0.45	28.68	0.15	0.02
75	123	753.33	-49.76	-41.02	0.45	22.43	0.21	0.02
75	123	753.33	-49.76	-41.02	0.45	22.43	0.21	0.02
75	123	806.67	-47.74	-37.11	0.45	19.59	0.40	0.02
75	123	806.67	-47.74	-37.11	0.45	19.59	0.40	0.02
75	123	860.00	-43.97	-35.41	0.31	17.67	0.61	0.02
75	123	910.00	-40.26	-34.18	0.18	15.87	0.71	0.02
75	123	960.00	-36.58	-33.00	-0.05	13.45	0.74	1.96e-03
75	123	1010.00	-33.99	-31.72	-0.54	9.97	0.57	-0.02
75	123	1060.00	-30.59	-29.95	-0.86	9.08	0.17	-0.03
75	129	700.00	-106.44	-23.11	1.93	65.45	0.56	0.06
75	129	753.33	-98.43	-18.28	1.53	51.01	0.90	0.06
75	129	753.33	-98.43	-18.28	1.53	51.01	0.90	0.06
75	129	806.67	-91.77	-14.01	1.30	52.98	1.47	0.07
75	129	806.67	-91.77	-14.01	1.30	52.98	1.47	0.07
75	129	860.00	-78.15	-11.21	0.78	47.68	2.06	0.07
75	129	910.00	-64.92	-10.11	0.36	42.72	2.37	0.06
75	129	960.00	-52.41	-9.92	-0.33	36.71	2.30	0.03
75	129	1010.00	-42.86	-10.48	-1.70	26.57	1.78	-0.03
75	129	1060.00	-33.57	-10.71	-2.66	11.92	0.60	-0.05
75	137	700.00	-109.42	-19.92	1.73	68.22	0.52	0.05
75	137	753.33	-101.04	-15.81	1.34	53.09	0.83	0.05
75	137	753.33	-101.04	-15.81	1.34	53.09	0.83	0.05
75	137	806.67	-94.28	-11.45	1.17	55.11	1.34	0.05
75	137	806.67	-94.28	-11.45	1.17	55.11	1.34	0.05
75	137	860.00	-80.14	-8.26	0.72	49.22	1.88	0.06
75	137	910.00	-66.41	-7.02	0.36	43.73	2.17	0.06
75	137	960.00	-53.44	-6.84	-0.28	37.27	2.12	0.03
75	137	1010.00	-43.78	-7.51	-1.57	27.17	1.64	-0.04
75	137	1060.00	-33.73	-7.90	-2.44	12.10	0.55	-0.06
75	140	700.00	2.05	4.63	-2.00	-21.79	-0.52	-0.04
75	140	753.33	-1.26	6.43	-1.39	-22.35	-0.93	-0.03
75	140	753.33	-1.26	6.43	-1.39	-22.35	-0.93	-0.03
75	140	806.67	-2.14	9.97	-1.02	-29.26	-1.39	-0.03
75	140	806.67	-2.14	9.97	-1.02	-29.26	-1.39	-0.03
75	140	860.00	-8.19	10.54	-0.51	-28.26	-1.82	-0.04
75	140	910.00	-14.46	10.43	-0.15	-26.44	-2.01	-0.04
75	140	960.00	-20.44	10.22	0.38	-23.77	-1.89	-0.03
75	140	1010.00	-23.90	10.00	1.38	-18.35	-1.49	0.02
75	140	1060.00	-26.37	10.27	2.15	2.49	-0.55	0.04
75	155	700.00	-52.73	-48.06	0.53	29.45	0.16	0.02
75	155	753.33	-49.69	-45.57	0.52	23.39	0.24	0.02
75	155	753.33	-49.69	-45.57	0.52	23.39	0.24	0.02

75	155	806.67	-47.79	-41.67	0.50	20.51	0.45	0.02
75	155	806.67	-47.79	-41.67	0.50	20.51	0.45	0.02
75	155	860.00	-44.03	-39.98	0.34	18.65	0.68	0.02
75	155	910.00	-40.29	-38.68	0.19	16.85	0.79	0.02
75	155	960.00	-36.58	-37.35	-0.07	14.36	0.82	2.24e-03
75	155	1010.00	-34.02	-35.85	-0.60	10.71	0.64	-0.02
75	155	1060.00	-30.67	-33.85	-0.95	9.31	0.19	-0.03
75	161	700.00	-113.44	-25.23	2.20	71.04	0.64	0.07
75	161	753.33	-104.71	-20.16	1.74	55.73	1.03	0.07
75	161	753.33	-104.71	-20.16	1.74	55.73	1.03	0.07
75	161	806.67	-97.54	-15.85	1.46	58.30	1.66	0.07
75	161	806.67	-97.54	-15.85	1.46	58.30	1.66	0.07
75	161	860.00	-82.66	-12.92	0.87	52.64	2.33	0.08
75	161	910.00	-68.16	-11.75	0.40	47.26	2.67	0.07
75	161	960.00	-54.45	-11.53	-0.38	40.70	2.59	0.04
75	161	1010.00	-44.04	-12.10	-1.91	29.50	2.01	-0.04
75	161	1060.00	-34.04	-12.35	-2.99	12.53	0.68	-0.06
75	169	700.00	-116.74	-21.58	1.98	74.12	0.58	0.05
75	169	753.33	-107.59	-17.33	1.52	58.05	0.95	0.05
75	169	753.33	-107.59	-17.33	1.52	58.05	0.95	0.05
75	169	806.67	-100.33	-12.92	1.31	60.66	1.51	0.06
75	169	806.67	-100.33	-12.92	1.31	60.66	1.51	0.06
75	169	860.00	-84.86	-9.55	0.80	54.32	2.12	0.07
75	169	910.00	-69.82	-8.22	0.39	48.35	2.45	0.06
75	169	960.00	-55.60	-8.01	-0.32	41.29	2.38	0.03
75	169	1010.00	-45.07	-8.71	-1.76	30.16	1.84	-0.04
75	169	1060.00	-34.21	-9.14	-2.74	12.73	0.62	-0.06
75	172	700.00	9.37	6.29	-2.24	-27.69	-0.59	-0.04
75	172	753.33	5.29	7.95	-1.57	-27.30	-1.05	-0.04
75	172	753.33	5.29	7.95	-1.57	-27.30	-1.05	-0.04
75	172	806.67	3.91	11.44	-1.17	-34.81	-1.57	-0.04
75	172	806.67	3.91	11.44	-1.17	-34.81	-1.57	-0.04
75	172	860.00	-3.47	11.83	-0.59	-33.36	-2.07	-0.05
75	172	910.00	-11.06	11.63	-0.18	-31.06	-2.28	-0.05
75	172	960.00	-18.28	11.40	0.42	-27.79	-2.16	-0.03
75	172	1010.00	-22.61	11.20	1.57	-21.33	-1.69	0.02
75	172	1060.00	-25.89	11.51	2.45	1.86	-0.62	0.05
75	187	700.00	-53.60	-47.69	0.55	30.01	0.17	0.02
75	187	753.33	-50.49	-45.19	0.54	23.83	0.25	0.02
75	187	753.33	-50.49	-45.19	0.54	23.83	0.25	0.02
75	187	806.67	-48.50	-41.28	0.52	21.04	0.47	0.03
75	187	806.67	-48.50	-41.28	0.52	21.04	0.47	0.03
75	187	860.00	-44.58	-39.57	0.35	19.14	0.71	0.02
75	187	910.00	-40.69	-38.26	0.19	17.28	0.82	0.02
75	187	960.00	-36.83	-36.95	-0.07	14.72	0.85	2.84e-03
75	187	1010.00	-34.14	-35.48	-0.62	10.93	0.66	-0.02
75	187	1060.00	-30.73	-33.52	-0.98	9.33	0.20	-0.03
75	193	700.00	-115.57	-26.20	2.29	72.64	0.66	0.07
75	193	753.33	-106.64	-21.16	1.80	57.13	1.07	0.07
75	193	753.33	-106.64	-21.16	1.80	57.13	1.07	0.07
75	193	806.67	-99.30	-16.84	1.51	59.94	1.73	0.08
75	193	806.67	-99.30	-16.84	1.51	59.94	1.73	0.08
75	193	860.00	-84.00	-13.87	0.90	54.25	2.41	0.08
75	193	910.00	-69.11	-12.67	0.41	48.77	2.77	0.07
75	193	960.00	-55.02	-12.43	-0.40	42.00	2.69	0.04
75	193	1010.00	-44.27	-12.98	-1.98	30.35	2.08	-0.04
75	193	1060.00	-34.21	-13.23	-3.10	12.74	0.71	-0.06
75	201	700.00	-118.38	-22.25	2.03	75.42	0.60	0.05
75	201	753.33	-109.08	-17.99	1.57	59.16	0.98	0.05
75	201	753.33	-109.08	-17.99	1.57	59.16	0.98	0.05
75	201	806.67	-101.68	-13.56	1.35	61.95	1.56	0.06
75	201	806.67	-101.68	-13.56	1.35	61.95	1.56	0.06
75	201	860.00	-85.90	-10.14	0.82	55.55	2.18	0.07
75	201	910.00	-70.55	-8.78	0.40	49.49	2.51	0.06
75	201	960.00	-56.04	-8.56	-0.33	42.26	2.44	0.03
75	201	1010.00	-45.26	-9.26	-1.81	30.80	1.89	-0.04
75	201	1060.00	-34.33	-9.68	-2.81	12.88	0.64	-0.06
75	204	700.00	11.02	6.95	-2.30	-28.99	-0.60	-0.04
75	204	753.33	6.78	8.60	-1.61	-28.42	-1.07	-0.04
75	204	753.33	6.78	8.60	-1.61	-28.42	-1.07	-0.04
75	204	806.67	5.27	12.08	-1.20	-36.09	-1.61	-0.04
75	204	806.67	5.27	12.08	-1.20	-36.09	-1.61	-0.04
75	204	860.00	-2.43	12.43	-0.61	-34.60	-2.12	-0.05
75	204	910.00	-10.32	12.20	-0.19	-32.19	-2.35	-0.05
75	204	960.00	-17.84	11.94	0.43	-28.75	-2.22	-0.03

75	204	1010.00	-22.41	11.74	1.61	-21.97	-1.74	0.02
75	204	1060.00	-25.77	12.06	2.52	1.71	-0.63	0.05
75	219	700.00	-54.29	-54.47	0.70	31.67	0.21	0.02
75	219	753.33	-51.01	-52.04	0.65	25.68	0.32	0.03
75	219	753.33	-51.01	-52.04	0.65	25.68	0.32	0.03
75	219	806.67	-49.13	-48.13	0.61	22.89	0.57	0.03
75	219	806.67	-49.13	-48.13	0.61	22.89	0.57	0.03
75	219	860.00	-45.10	-46.44	0.39	21.05	0.85	0.03
75	219	910.00	-41.06	-45.00	0.21	19.15	0.97	0.02
75	219	960.00	-37.02	-43.46	-0.10	16.41	1.00	3.64e-03
75	219	1010.00	-34.30	-41.68	-0.73	12.28	0.78	-0.03
75	219	1060.00	-30.89	-39.39	-1.15	9.73	0.24	-0.04
75	225	700.00	-128.16	-30.21	2.79	82.70	0.80	0.09
75	225	753.33	-117.93	-24.80	2.18	65.67	1.30	0.08
75	225	753.33	-117.93	-24.80	2.18	65.67	1.30	0.08
75	225	806.67	-109.70	-20.41	1.81	69.56	2.08	0.09
75	225	806.67	-109.70	-20.41	1.81	69.56	2.08	0.09
75	225	860.00	-92.10	-17.22	1.06	63.23	2.90	0.09
75	225	910.00	-74.93	-15.88	0.47	57.01	3.32	0.09
75	225	960.00	-58.68	-15.58	-0.49	49.23	3.21	0.04
75	225	1010.00	-46.34	-16.14	-2.36	35.64	2.49	-0.04
75	225	1060.00	-35.06	-16.42	-3.70	13.86	0.85	-0.07
75	233	700.00	-130.65	-25.15	2.45	85.33	0.72	0.06
75	233	753.33	-120.06	-20.66	1.87	67.49	1.17	0.06
75	233	753.33	-120.06	-20.66	1.87	67.49	1.17	0.06
75	233	806.67	-111.82	-16.15	1.59	71.28	1.86	0.07
75	233	806.67	-111.82	-16.15	1.59	71.28	1.86	0.07
75	233	860.00	-93.81	-12.43	0.95	64.15	2.59	0.08
75	233	910.00	-76.25	-10.92	0.46	57.28	2.97	0.08
75	233	960.00	-59.64	-10.65	-0.40	49.02	2.88	0.04
75	233	1010.00	-47.41	-11.39	-2.13	35.81	2.24	-0.05
75	233	1060.00	-35.14	-11.88	-3.31	13.94	0.76	-0.07
75	236	700.00	23.29	9.86	-2.71	-38.90	-0.72	-0.05
75	236	753.33	17.76	11.27	-1.91	-36.75	-1.27	-0.05
75	236	753.33	17.76	11.27	-1.91	-36.75	-1.27	-0.05
75	236	806.67	15.40	14.67	-1.44	-45.42	-1.91	-0.05
75	236	806.67	15.40	14.67	-1.44	-45.42	-1.91	-0.05
75	236	860.00	5.48	14.71	-0.74	-43.19	-2.53	-0.06
75	236	910.00	-4.62	14.33	-0.25	-39.99	-2.81	-0.06
75	236	960.00	-14.23	14.03	0.50	-35.52	-2.66	-0.03
75	236	1010.00	-20.26	13.87	1.94	-26.98	-2.08	0.03
75	236	1060.00	-24.96	14.25	3.02	0.65	-0.76	0.06
75	255	700.00	-55.34	-11.92	-0.10	27.53	-5.90e-03	0.01
75	255	753.33	-53.03	-8.08	0.03	18.00	-0.03	0.01
75	255	753.33	-53.03	-8.08	0.03	18.00	-0.03	0.01
75	255	806.67	-49.83	-2.80	0.12	14.90	0.02	0.02
75	255	806.67	-49.83	-2.80	0.12	14.90	0.02	0.02
75	255	860.00	-45.42	-0.04	0.14	12.02	0.09	0.01
75	255	910.00	-41.36	1.06	0.11	9.96	0.16	6.47e-03
75	255	960.00	-37.55	1.47	0.02	7.87	0.18	-1.97e-03
75	255	1010.00	-34.21	1.38	-0.17	5.26	0.12	-0.01
75	255	1060.00	-30.34	1.56	-0.23	8.02	1.44e-03	-0.01
75	261	700.00	-48.95	-6.87	0.04	16.77	-8.56e-03	0.01
75	261	753.33	-46.96	-5.36	0.09	10.22	0.02	0.01
75	261	753.33	-46.96	-5.36	0.09	10.22	0.02	0.01
75	261	806.67	-44.79	-3.26	0.12	8.65	0.09	0.01
75	261	806.67	-44.79	-3.26	0.12	8.65	0.09	0.01
75	261	860.00	-41.66	-2.00	0.10	6.89	0.15	7.15e-03
75	261	910.00	-38.70	-1.40	0.05	5.57	0.18	2.77e-03
75	261	960.00	-35.88	-1.17	-0.03	4.21	0.18	-3.37e-03
75	261	1010.00	-33.31	-1.25	-0.18	2.62	0.11	-0.01
75	261	1060.00	-29.56	-0.95	-0.22	5.72	7.75e-04	-6.20e-03
75	264	700.00	-66.38	-11.03	-0.03	26.84	-9.18e-03	0.02
75	264	753.33	-63.92	-7.94	0.08	17.36	-1.44e-03	0.02
75	264	753.33	-63.92	-7.94	0.08	17.36	-1.44e-03	0.02
75	264	806.67	-60.97	-3.67	0.15	14.25	0.07	0.02
75	264	806.67	-60.97	-3.67	0.15	14.25	0.07	0.02
75	264	860.00	-56.90	-1.37	0.15	11.37	0.16	0.01
75	264	910.00	-53.12	-0.43	0.10	9.24	0.22	5.61e-03
75	264	960.00	-49.56	-0.15	-9.45e-03	7.06	0.23	-3.12e-03
75	264	1010.00	-46.45	-0.40	-0.22	4.43	0.15	-0.02
75	264	1060.00	-41.90	-0.13	-0.29	8.68	1.36e-03	-1.00e-02
75	271	700.00	-82.45	-8.50	-0.11	31.42	-2.35e-03	9.10e-03
75	271	753.33	-79.07	-5.32	6.55e-03	21.39	-0.04	0.01
75	271	753.33	-79.07	-5.32	6.55e-03	21.39	-0.04	0.01

75	271	806.67	-75.45	-1.17	0.11	17.69	5.38e-03	0.01
75	271	806.67	-75.45	-1.17	0.11	17.69	5.38e-03	0.01
75	271	860.00	-70.79	0.71	0.14	14.26	0.08	0.01
75	271	910.00	-66.50	1.10	0.14	11.55	0.15	8.14e-03
75	271	960.00	-62.48	0.72	0.05	8.69	0.19	9.64e-04
75	271	1010.00	-59.04	-0.31	-0.17	5.21	0.13	-0.01
75	271	1060.00	-53.74	-0.46	-0.24	10.55	1.71e-03	-0.01
75	298	700.00	-54.27	-8.27	-0.14	24.29	-1.46e-03	7.20e-03
75	298	753.33	-51.73	-5.09	-0.03	16.12	-0.05	8.54e-03
75	298	753.33	-51.73	-5.09	-0.03	16.12	-0.05	8.54e-03
75	298	806.67	-48.69	-0.81	0.08	13.53	-0.03	0.01
75	298	806.67	-48.69	-0.81	0.08	13.53	-0.03	0.01
75	298	860.00	-44.53	1.23	0.11	10.97	0.03	9.16e-03
75	298	910.00	-40.70	1.87	0.11	9.06	0.08	6.09e-03
75	298	960.00	-37.10	1.89	0.05	7.10	0.12	3.69e-04
75	298	1010.00	-33.93	1.46	-0.10	4.66	0.08	-9.33e-03
75	298	1060.00	-30.13	1.40	-0.15	7.52	1.23e-03	-8.27e-03
75	301	700.00	-58.99	-7.57	-0.13	24.23	-1.61e-03	6.62e-03
75	301	753.33	-56.32	-4.62	-0.02	16.12	-0.05	7.93e-03
75	301	753.33	-56.32	-4.62	-0.02	16.12	-0.05	7.93e-03
75	301	806.67	-53.33	-0.71	0.08	13.50	-0.02	9.99e-03
75	301	806.67	-53.33	-0.71	0.08	13.50	-0.02	9.99e-03
75	301	860.00	-49.24	1.13	0.11	10.91	0.03	8.80e-03
75	301	910.00	-45.48	1.65	0.11	8.95	0.09	5.98e-03
75	301	960.00	-41.95	1.55	0.05	6.91	0.12	5.20e-04
75	301	1010.00	-38.84	0.98	-0.11	4.43	0.08	-8.94e-03
75	301	1060.00	-34.77	0.91	-0.16	7.86	1.21e-03	-7.78e-03
75	304	700.00	-49.89	-4.50	-0.05	16.76	-2.73e-03	5.15e-03
75	304	753.33	-47.54	-2.94	0.01	10.73	-0.02	5.63e-03
75	304	753.33	-47.54	-2.94	0.01	10.73	-0.02	5.63e-03
75	304	806.67	-45.21	-0.90	0.07	9.20	0.01	6.79e-03
75	304	806.67	-45.21	-0.90	0.07	9.20	0.01	6.79e-03
75	304	860.00	-41.92	0.07	0.08	7.43	0.06	5.73e-03
75	304	910.00	-38.85	0.31	0.07	6.03	0.09	3.58e-03
75	304	960.00	-35.94	0.18	0.02	4.57	0.11	-3.05e-04
75	304	1010.00	-33.30	-0.28	-0.10	2.84	0.07	-6.91e-03
75	304	1060.00	-29.58	-0.29	-0.14	5.92	7.66e-04	-4.89e-03
75	305	700.00	-53.45	-8.24	-0.11	23.22	-2.89e-03	8.36e-03
75	305	753.33	-51.01	-5.30	-3.43e-03	15.24	-0.04	9.25e-03
75	305	753.33	-51.01	-5.30	-3.43e-03	15.24	-0.04	9.25e-03
75	305	806.67	-48.10	-1.33	0.09	12.79	-7.68e-03	0.01
75	305	806.67	-48.10	-1.33	0.09	12.79	-7.68e-03	0.01
75	305	860.00	-44.10	0.62	0.11	10.34	0.05	8.97e-03
75	305	910.00	-40.40	1.28	0.10	8.53	0.10	5.56e-03
75	305	960.00	-36.92	1.35	0.04	6.66	0.13	-3.83e-04
75	305	1010.00	-33.84	1.00	-0.12	4.36	0.09	-0.01
75	305	1060.00	-30.04	1.02	-0.17	7.24	1.17e-03	-8.07e-03
75	309	700.00	-50.13	-3.91	-0.08	16.76	-1.27e-03	3.46e-03
75	309	753.33	-47.69	-2.33	-6.93e-03	10.86	-0.03	4.31e-03
75	309	753.33	-47.69	-2.33	-6.93e-03	10.86	-0.03	4.31e-03
75	309	806.67	-45.31	-0.31	0.06	9.34	-7.38e-03	5.88e-03
75	309	806.67	-45.31	-0.31	0.06	9.34	-7.38e-03	5.88e-03
75	309	860.00	-41.99	0.58	0.08	7.56	0.03	5.37e-03
75	309	910.00	-38.89	0.74	0.07	6.15	0.07	3.78e-03
75	309	960.00	-35.95	0.52	0.03	4.66	0.09	4.60e-04
75	309	1010.00	-33.30	-0.04	-0.08	2.89	0.06	-5.55e-03
75	309	1060.00	-29.59	-0.12	-0.12	5.97	7.64e-04	-4.56e-03
75	310	700.00	-53.68	-7.65	-0.13	23.22	-1.43e-03	6.67e-03
75	310	753.33	-51.15	-4.69	-0.02	15.37	-0.05	7.94e-03
75	310	753.33	-51.15	-4.69	-0.02	15.37	-0.05	7.94e-03
75	310	806.67	-48.21	-0.74	0.07	12.93	-0.03	9.88e-03
75	310	806.67	-48.21	-0.74	0.07	12.93	-0.03	9.88e-03
75	310	860.00	-44.16	1.14	0.11	10.48	0.03	8.62e-03
75	310	910.00	-40.44	1.71	0.10	8.65	0.08	5.76e-03
75	310	960.00	-36.94	1.69	0.05	6.75	0.11	3.82e-04
75	310	1010.00	-33.84	1.24	-0.10	4.41	0.08	-8.79e-03
75	310	1060.00	-30.05	1.19	-0.14	7.29	1.17e-03	-7.74e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-130.65	-54.47	-3.70	-45.42	-2.81	-0.07
			23.29	14.71	3.02	85.33	3.32	0.09

Macro	Tipo	Angolo 1-Z (gradi)
76	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
76	4	340.00	-10.27	-0.03	-0.29	-0.05	-0.10	-0.05
76	4	393.33	-11.51	0.31	0.18	-0.44	-0.13	-0.03
76	4	446.67	-11.56	0.37	0.25	-0.70	-0.04	-5.41e-03
76	4	500.00	-11.10	0.50	0.20	-0.88	0.04	1.69e-03
76	4	550.00	-10.48	0.65	0.15	-1.08	0.09	1.92e-03
76	4	600.00	-9.96	0.82	0.09	-1.38	0.12	7.10e-04
76	4	650.00	-9.87	1.04	-0.03	-1.89	0.10	-1.85e-04
76	4	700.00	-10.15	1.13	-0.20	-2.60	0.0	-0.01
76	44	340.00	-7.73	-0.23	1.44	-0.80	0.18	0.22
76	44	393.33	-8.45	0.01	-0.28	-0.93	0.49	0.12
76	44	446.67	-8.43	0.08	-0.65	-1.01	0.32	0.03
76	44	500.00	-8.16	0.15	-0.51	-1.08	0.15	9.73e-04
76	44	550.00	-7.86	0.23	-0.38	-1.17	0.06	-3.88e-04
76	44	600.00	-7.73	0.33	-0.36	-1.35	5.58e-04	5.62e-03
76	44	650.00	-8.03	0.49	-0.35	-1.70	-0.05	0.02
76	44	700.00	-8.44	0.56	0.14	-2.16	0.0	0.06
76	45	340.00	-3.09	-0.19	1.38	-0.62	0.20	0.21
76	45	393.33	-3.32	-0.10	-0.32	-0.60	0.48	0.11
76	45	446.67	-3.24	-0.07	-0.68	-0.59	0.29	0.02
76	45	500.00	-3.12	-0.06	-0.53	-0.59	0.11	2.79e-04
76	45	550.00	-3.03	-0.05	-0.40	-0.59	9.52e-03	-9.60e-04
76	45	600.00	-3.04	-0.03	-0.35	-0.63	-0.05	4.82e-03
76	45	650.00	-3.26	0.03	-0.29	-0.74	-0.09	0.02
76	45	700.00	-3.43	0.05	0.21	-0.87	0.0	0.06
76	122	340.00	-12.11	1.10	1.12	0.38	-0.67	0.16
76	122	393.33	-12.81	1.29	1.10	0.17	-0.65	0.03
76	122	446.67	-10.85	1.10	0.45	-0.09	-0.24	0.01
76	122	500.00	-4.18	0.97	0.24	-0.83	-0.04	7.54e-03
76	122	550.00	-4.90	0.88	0.14	-0.87	0.04	5.06e-03
76	122	600.00	-5.37	0.40	0.07	-0.98	0.08	4.00e-03
76	122	650.00	-5.89	0.17	-0.06	-1.20	0.08	5.97e-03
76	122	700.00	-6.28	0.25	-0.17	-1.56	0.02	0.01
76	137	340.00	16.80	-3.70	0.61	-1.66	-0.31	0.05
76	137	393.33	16.11	-3.51	0.59	-1.87	-0.28	0.02
76	137	446.67	9.16	-2.81	0.09	-1.61	-0.07	0.01
76	137	500.00	4.87	-2.17	0.06	-1.31	0.04	0.01
76	137	550.00	-10.16	-1.64	0.03	-7.45e-03	0.05	0.01
76	137	600.00	-7.09	-1.17	-6.54e-03	-0.34	0.05	0.01
76	137	650.00	-4.41	0.43	-0.06	-0.72	0.03	0.02
76	137	700.00	-3.38	1.56	-0.06	-1.13	-3.02e-03	0.02
76	140	340.00	-28.42	3.61	-0.49	1.49	0.27	-0.03
76	140	393.33	-29.12	3.80	-0.51	1.28	0.30	-0.01
76	140	446.67	-22.15	3.16	-0.04	0.75	0.12	-0.01
76	140	500.00	-17.30	2.66	-0.02	0.26	0.04	-0.01
76	140	550.00	-1.54	2.27	3.74e-03	-1.24	0.04	-0.01
76	140	600.00	-4.01	1.99	-7.02e-03	-1.22	0.05	-0.01
76	140	650.00	-6.58	0.62	-0.05	-1.39	0.04	-0.01
76	140	700.00	-7.86	-0.41	-0.07	-1.73	3.02e-03	-0.01
76	154	340.00	-12.93	1.25	1.25	0.44	-0.75	0.17
76	154	393.33	-13.63	1.44	1.23	0.23	-0.73	0.03
76	154	446.67	-11.41	1.22	0.51	-0.05	-0.27	0.01
76	154	500.00	-3.92	1.07	0.27	-0.87	-0.05	8.37e-03
76	154	550.00	-4.79	0.96	0.15	-0.90	0.04	5.58e-03
76	154	600.00	-5.35	0.40	0.08	-1.00	0.09	4.37e-03
76	154	650.00	-5.95	0.12	-0.07	-1.22	0.08	6.42e-03
76	154	700.00	-6.36	0.21	-0.18	-1.58	0.02	0.01
76	169	340.00	19.75	-4.18	0.67	-1.87	-0.34	0.06
76	169	393.33	19.05	-3.99	0.65	-2.08	-0.32	0.02
76	169	446.67	11.19	-3.20	0.10	-1.77	-0.08	0.02
76	169	500.00	6.31	-2.49	0.06	-1.41	0.04	0.02
76	169	550.00	-10.71	-1.89	0.03	0.07	0.05	0.02
76	169	600.00	-7.28	-1.38	-6.65e-03	-0.28	0.05	0.02
76	169	650.00	-4.26	0.42	-0.06	-0.68	0.03	0.02
76	169	700.00	-3.08	1.69	-0.06	-1.10	-3.42e-03	0.02
76	172	340.00	-31.36	4.09	-0.55	1.69	0.31	-0.04
76	172	393.33	-32.06	4.28	-0.57	1.49	0.33	-0.01
76	172	446.67	-24.18	3.55	-0.05	0.91	0.13	-0.01
76	172	500.00	-18.73	2.98	-0.02	0.36	0.04	-0.01
76	172	550.00	-0.99	2.53	2.35e-03	-1.32	0.04	-0.01
76	172	600.00	-3.82	2.19	-6.90e-03	-1.28	0.05	-0.01

76	172	650.00	-6.74	0.64	-0.05	-1.43	0.04	-0.01
76	172	700.00	-8.15	-0.54	-0.07	-1.77	3.42e-03	-0.01
76	186	340.00	-13.08	1.29	1.23	0.45	-0.74	0.17
76	186	393.33	-13.78	1.48	1.21	0.25	-0.72	0.03
76	186	446.67	-11.48	1.25	0.50	-0.04	-0.27	0.01
76	186	500.00	-3.89	1.09	0.26	-0.88	-0.05	8.27e-03
76	186	550.00	-4.80	0.97	0.15	-0.90	0.04	5.52e-03
76	186	600.00	-5.40	0.40	0.07	-1.00	0.08	4.34e-03
76	186	650.00	-6.00	0.12	-0.07	-1.22	0.08	6.40e-03
76	186	700.00	-6.38	0.22	-0.18	-1.58	0.02	0.01
76	201	340.00	20.22	-4.29	0.64	-1.92	-0.33	0.05
76	201	393.33	19.52	-4.10	0.62	-2.13	-0.30	0.02
76	201	446.67	11.43	-3.29	0.10	-1.80	-0.08	0.02
76	201	500.00	6.46	-2.56	0.06	-1.43	0.04	0.02
76	201	550.00	-10.75	-1.94	0.03	0.08	0.05	0.01
76	201	600.00	-7.23	-1.41	-7.84e-03	-0.28	0.05	0.02
76	201	650.00	-4.15	0.42	-0.06	-0.68	0.03	0.02
76	201	700.00	-3.01	1.69	-0.06	-1.09	-3.48e-03	0.02
76	204	340.00	-31.83	4.20	-0.52	1.74	0.29	-0.04
76	204	393.33	-32.53	4.39	-0.54	1.53	0.32	-0.01
76	204	446.67	-24.43	3.64	-0.05	0.94	0.13	-0.01
76	204	500.00	-18.88	3.05	-0.02	0.38	0.04	-0.01
76	204	550.00	-0.95	2.58	3.50e-03	-1.33	0.04	-0.01
76	204	600.00	-3.87	2.23	-5.71e-03	-1.29	0.05	-0.01
76	204	650.00	-6.84	0.64	-0.05	-1.43	0.04	-0.01
76	204	700.00	-8.22	-0.54	-0.07	-1.78	3.48e-03	-0.01
76	218	340.00	-14.51	1.55	1.42	0.56	-0.86	0.20
76	218	393.33	-15.21	1.74	1.40	0.35	-0.83	0.04
76	218	446.67	-12.46	1.47	0.58	0.03	-0.32	0.02
76	218	500.00	-3.43	1.26	0.30	-0.94	-0.06	9.52e-03
76	218	550.00	-4.61	1.10	0.17	-0.95	0.03	6.33e-03
76	218	600.00	-5.38	0.40	0.09	-1.04	0.09	4.91e-03
76	218	650.00	-6.11	0.04	-0.07	-1.25	0.09	7.11e-03
76	218	700.00	-6.53	0.15	-0.19	-1.61	0.03	0.01
76	233	340.00	25.13	-5.10	0.73	-2.27	-0.37	0.06
76	233	393.33	24.43	-4.91	0.71	-2.47	-0.35	0.02
76	233	446.67	14.81	-3.94	0.11	-2.06	-0.09	0.02
76	233	500.00	8.84	-3.09	0.07	-1.60	0.04	0.02
76	233	550.00	-11.66	-2.37	0.03	0.21	0.05	0.02
76	233	600.00	-7.53	-1.75	-8.36e-03	-0.19	0.05	0.02
76	233	650.00	-3.88	0.40	-0.06	-0.61	0.03	0.02
76	233	700.00	-2.52	1.90	-0.05	-1.02	-4.13e-03	0.02
76	236	340.00	-36.75	5.01	-0.61	2.09	0.34	-0.05
76	236	393.33	-37.45	5.20	-0.63	1.88	0.36	-0.02
76	236	446.67	-27.80	4.29	-0.06	1.21	0.14	-0.02
76	236	500.00	-21.26	3.58	-0.03	0.55	0.04	-0.02
76	236	550.00	-0.04	3.01	1.65e-03	-1.46	0.04	-0.02
76	236	600.00	-3.57	2.57	-5.19e-03	-1.38	0.05	-0.02
76	236	650.00	-7.11	0.66	-0.05	-1.50	0.04	-0.02
76	236	700.00	-8.72	-0.75	-0.08	-1.85	4.13e-03	-0.02
76	244	340.00	-7.31	-0.02	-0.19	-0.03	-0.07	-0.03
76	244	393.33	-8.20	0.22	0.12	-0.31	-0.08	-0.02
76	244	446.67	-8.22	0.26	0.17	-0.49	-0.02	-3.53e-03
76	244	500.00	-7.88	0.35	0.13	-0.62	0.03	1.21e-03
76	244	550.00	-7.43	0.45	0.10	-0.76	0.06	1.37e-03
76	244	600.00	-7.05	0.57	0.06	-0.97	0.08	5.82e-04
76	244	650.00	-6.97	0.73	-0.02	-1.33	0.07	3.77e-05
76	244	700.00	-7.15	0.79	-0.13	-1.83	0.0	-8.14e-03
76	261	340.00	-3.70	-0.13	0.94	-0.42	0.13	0.14
76	261	393.33	-4.07	-0.02	-0.20	-0.47	0.32	0.08
76	261	446.67	-4.00	3.48e-03	-0.45	-0.51	0.20	0.02
76	261	500.00	-3.83	0.03	-0.35	-0.53	0.08	4.60e-04
76	261	550.00	-3.66	0.06	-0.26	-0.56	0.02	-3.64e-04
76	261	600.00	-3.57	0.10	-0.24	-0.63	-0.02	3.56e-03
76	261	650.00	-3.69	0.16	-0.20	-0.78	-0.05	0.01
76	261	700.00	-3.82	0.19	0.13	-0.97	0.0	0.04
76	264	340.00	-5.61	-0.15	0.96	-0.52	0.12	0.15
76	264	393.33	-6.16	0.02	-0.19	-0.63	0.33	0.08
76	264	446.67	-6.13	0.06	-0.43	-0.70	0.21	0.02
76	264	500.00	-5.92	0.12	-0.34	-0.75	0.10	7.32e-04
76	264	550.00	-5.69	0.18	-0.25	-0.82	0.04	-1.69e-04
76	264	600.00	-5.57	0.25	-0.24	-0.95	2.68e-03	3.86e-03
76	264	650.00	-5.75	0.36	-0.23	-1.20	-0.03	0.01
76	264	700.00	-6.02	0.41	0.09	-1.54	0.0	0.04
76	298	340.00	-6.02	-0.05	0.06	-0.10	-0.02	8.31e-03

76	298	393.33	-6.74	0.15	0.04	-0.31	8.81e-03	2.00e-03
76	298	446.67	-6.74	0.18	0.03	-0.45	0.03	9.80e-04
76	298	500.00	-6.45	0.25	0.02	-0.55	0.04	9.47e-04
76	298	550.00	-6.08	0.33	0.02	-0.66	0.05	8.91e-04
76	298	600.00	-5.78	0.43	-7.07e-03	-0.82	0.05	1.18e-03
76	298	650.00	-5.73	0.55	-0.06	-1.10	0.04	2.51e-03
76	298	700.00	-5.87	0.60	-0.07	-1.50	0.0	3.10e-03
76	304	340.00	-4.35	-0.05	0.22	-0.09	0.02	0.03
76	304	393.33	-4.88	0.09	-0.02	-0.24	0.07	0.02
76	304	446.67	-4.84	0.11	-0.08	-0.34	0.05	3.88e-03
76	304	500.00	-4.60	0.15	-0.06	-0.40	0.03	7.05e-04
76	304	550.00	-4.31	0.20	-0.05	-0.47	0.03	5.54e-04
76	304	600.00	-4.07	0.26	-0.05	-0.58	0.02	1.49e-03
76	304	650.00	-4.01	0.35	-0.07	-0.77	6.34e-03	3.62e-03
76	304	700.00	-4.06	0.38	-5.77e-03	-1.03	0.0	9.77e-03
76	305	340.00	-5.65	-0.07	0.24	-0.17	9.57e-03	0.04
76	305	393.33	-6.30	0.12	-5.15e-03	-0.35	0.07	0.02
76	305	446.67	-6.29	0.15	-0.07	-0.47	0.06	4.08e-03
76	305	500.00	-6.02	0.21	-0.05	-0.56	0.05	8.60e-04
76	305	550.00	-5.69	0.28	-0.04	-0.65	0.04	6.46e-04
76	305	600.00	-5.43	0.37	-0.05	-0.80	0.04	1.67e-03
76	305	650.00	-5.42	0.48	-0.09	-1.06	0.02	4.34e-03
76	305	700.00	-5.56	0.53	-0.03	-1.42	0.0	0.01
76	309	340.00	-4.51	-0.02	0.04	-6.72e-03	-0.01	5.38e-03
76	309	393.33	-5.09	0.12	0.03	-0.18	4.85e-03	1.38e-03
76	309	446.67	-5.05	0.14	0.02	-0.29	0.02	7.38e-04
76	309	500.00	-4.79	0.19	0.01	-0.37	0.02	7.66e-04
76	309	550.00	-4.47	0.24	8.82e-03	-0.45	0.03	7.84e-04
76	309	600.00	-4.19	0.30	-5.02e-03	-0.56	0.03	9.74e-04
76	309	650.00	-4.09	0.39	-0.03	-0.77	0.02	1.67e-03
76	309	700.00	-4.12	0.43	-0.04	-1.04	0.0	1.88e-03
76	310	340.00	-5.81	-0.05	0.06	-0.09	-0.02	7.89e-03
76	310	393.33	-6.51	0.14	0.04	-0.30	8.25e-03	1.91e-03
76	310	446.67	-6.50	0.17	0.02	-0.43	0.02	9.46e-04
76	310	500.00	-6.21	0.24	0.02	-0.52	0.04	9.21e-04
76	310	550.00	-5.85	0.32	0.02	-0.63	0.05	8.76e-04
76	310	600.00	-5.55	0.41	-6.78e-03	-0.78	0.05	1.15e-03
76	310	650.00	-5.50	0.53	-0.06	-1.06	0.03	2.39e-03
76	310	700.00	-5.62	0.58	-0.06	-1.43	0.0	2.92e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-37.45	-5.10	-0.68	-2.60	-0.86	-0.05
	25.13	5.20	1.44	2.09	0.49	0.22

Macro	Tipo	Angolo 1-Z (gradi)
77	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
77	28	700.00	0.29	-2.22	-2.33e-04	-9.25	0.0	-1.36e-04
77	28	753.33	0.29	-2.22	-2.33e-04	-10.43	-1.24e-04	-4.77e-04
77	28	806.67	2.73	3.11	-2.33e-04	-8.82	-2.49e-04	-5.67e-04
77	28	860.00	4.18	3.11	-2.33e-04	-7.16	-3.73e-04	-5.88e-04
77	28	910.00	5.58	3.11	-2.33e-04	-5.60	-4.90e-04	-5.82e-04
77	28	960.00	6.93	3.11	-2.33e-04	-4.05	-6.07e-04	-5.53e-04
77	28	1010.00	9.82	9.26	1.69e-03	2.50	2.37e-04	-4.39e-04
77	28	1060.00	9.24	8.19	-4.74e-04	5.13	0.0	3.83e-05
77	57	700.00	11.34	0.13	3.65	5.14	0.0	-6.99e-03
77	57	753.33	11.34	0.13	3.65	5.21	1.94	-4.45e-03
77	57	806.67	13.49	2.57	2.37	6.64	3.21	-3.74e-03
77	57	860.00	14.94	2.57	1.10	8.02	3.79	-2.68e-03
77	57	910.00	16.34	2.57	-0.14	9.30	3.73	-1.33e-03
77	57	960.00	17.69	2.57	-1.33	10.59	3.06	1.19e-04
77	57	1010.00	19.75	6.12	-2.61	13.64	1.75	4.21e-03
77	57	1060.00	17.69	5.74	-3.51	12.97	0.0	6.79e-03
77	71	700.00	-4.72	-0.99	6.08	-8.27	0.0	-0.01
77	71	753.33	-4.72	-0.99	6.08	-8.79	3.24	-5.87e-03
77	71	806.67	-3.08	2.83	3.95	-7.35	5.35	-4.96e-03
77	71	860.00	-1.96	2.83	1.83	-5.84	6.32	-3.22e-03
77	71	910.00	-0.89	2.83	-0.23	-4.42	6.21	-9.86e-04
77	71	960.00	0.15	2.83	-2.22	-3.01	5.10	1.42e-03
77	71	1010.00	2.44	5.30	-4.35	0.36	2.92	8.16e-03

77	71	1060.00	3.13	4.61	-5.84	1.83	0.0	0.01
77	79	700.00	-6.38	-1.62	-1.82	-10.98	0.0	3.90e-03
77	79	753.33	-6.38	-1.62	-1.82	-11.84	-0.97	1.12e-03
77	79	806.67	-4.63	2.91	-1.19	-10.38	-1.61	1.02e-03
77	79	860.00	-3.51	2.91	-0.55	-8.83	-1.90	5.04e-04
77	79	910.00	-2.44	2.91	0.07	-7.38	-1.86	-1.60e-04
77	79	960.00	-1.40	2.91	0.67	-5.92	-1.53	-8.56e-04
77	79	1010.00	1.13	6.27	1.31	-1.59	-0.88	-2.78e-03
77	79	1060.00	2.02	5.44	1.75	0.61	0.0	-3.47e-03
77	113	700.00	-3.44	19.03	0.04	7.26	0.06	0.03
77	113	753.33	-3.44	19.03	0.04	6.81	0.06	0.03
77	113	806.67	-1.57	24.43	0.36	17.81	0.31	0.01
77	113	860.00	-0.58	24.17	0.14	30.41	0.45	0.02
77	113	910.00	0.50	23.50	0.03	42.47	0.32	0.01
77	113	960.00	1.25	22.85	-0.10	53.65	0.28	9.98e-03
77	113	1010.00	4.73	-9.17	-0.19	40.49	0.31	0.02
77	113	1060.00	8.96	-7.54	-0.25	22.84	0.07	0.02
77	129	700.00	-4.36	12.29	1.15	-3.04	0.32	0.04
77	129	753.33	-4.36	12.29	1.15	-3.50	0.32	0.03
77	129	806.67	-1.32	18.08	0.91	5.80	0.92	0.02
77	129	860.00	-0.31	17.85	0.49	15.02	1.29	0.02
77	129	910.00	0.80	17.51	0.10	23.97	1.39	0.02
77	129	960.00	0.63	17.18	-0.30	31.51	1.34	0.01
77	129	1010.00	4.72	-2.73	-1.04	25.72	1.03	0.01
77	129	1060.00	7.06	-2.42	-1.46	14.84	0.37	0.01
77	138	700.00	-8.38	-0.50	-1.62	9.36	-0.42	-1.81e-03
77	138	753.33	-8.38	-0.50	-1.62	8.91	-0.42	-1.55e-03
77	138	806.67	-5.79	0.86	-1.05	10.99	-1.08	-3.30e-03
77	138	860.00	-0.78	0.90	-0.61	2.18	-1.53	-4.51e-03
77	138	910.00	2.28	0.80	-0.13	4.42	-1.77	-8.23e-03
77	138	960.00	1.98	0.69	0.34	3.82	-1.73	-0.01
77	138	1010.00	5.44	1.23	1.36	6.23	-1.27	-0.01
77	138	1060.00	4.71	1.33	1.94	4.69	-0.48	-0.01
77	145	700.00	-3.51	21.51	0.05	8.70	0.07	0.03
77	145	753.33	-3.51	21.51	0.05	8.25	0.07	0.03
77	145	806.67	-1.60	27.22	0.41	20.50	0.36	0.02
77	145	860.00	-0.62	26.93	0.16	34.54	0.51	0.02
77	145	910.00	0.46	26.18	0.03	47.99	0.36	0.02
77	145	960.00	1.17	25.45	-0.12	60.44	0.32	0.01
77	145	1010.00	4.82	-10.87	-0.22	45.28	0.36	0.02
77	145	1060.00	9.52	-8.98	-0.29	25.31	0.08	0.02
77	161	700.00	-4.53	13.98	1.31	-2.86	0.37	0.04
77	161	753.33	-4.53	13.98	1.31	-3.32	0.37	0.04
77	161	806.67	-1.31	20.16	1.03	7.03	1.04	0.02
77	161	860.00	-0.31	19.90	0.55	17.31	1.46	0.02
77	161	910.00	0.80	19.51	0.11	27.28	1.58	0.02
77	161	960.00	0.48	19.15	-0.34	35.69	1.51	0.02
77	161	1010.00	4.82	-3.65	-1.18	28.77	1.17	0.01
77	161	1060.00	7.40	-3.24	-1.66	16.36	0.42	0.01
77	170	700.00	-9.10	-0.49	-1.83	11.15	-0.47	-2.18e-03
77	170	753.33	-9.10	-0.49	-1.83	10.69	-0.47	-1.79e-03
77	170	806.67	-6.37	0.65	-1.18	12.89	-1.23	-3.74e-03
77	170	860.00	-0.84	0.70	-0.69	2.80	-1.73	-5.09e-03
77	170	910.00	2.46	0.59	-0.15	5.16	-2.01	-9.28e-03
77	170	960.00	1.98	0.47	0.39	4.33	-1.95	-0.01
77	170	1010.00	5.62	0.83	1.54	6.71	-1.44	-0.02
77	170	1060.00	4.74	1.00	2.20	4.87	-0.55	-0.01
77	177	700.00	-3.59	21.32	0.07	8.33	0.08	0.03
77	177	753.33	-3.59	21.32	0.07	7.87	0.08	0.03
77	177	806.67	-1.63	27.02	0.42	20.12	0.37	0.02
77	177	860.00	-0.62	26.69	0.16	34.13	0.53	0.02
77	177	910.00	0.46	25.95	0.03	47.51	0.38	0.02
77	177	960.00	1.16	25.23	-0.12	59.87	0.33	0.01
77	177	1010.00	4.81	-10.69	-0.23	44.89	0.37	0.02
77	177	1060.00	9.47	-8.84	-0.31	25.10	0.08	0.02
77	193	700.00	-4.46	14.22	1.36	-3.02	0.38	0.04
77	193	753.33	-4.46	14.22	1.36	-3.48	0.38	0.04
77	193	806.67	-1.32	20.48	1.07	6.91	1.07	0.02
77	193	860.00	-0.30	20.21	0.57	17.42	1.51	0.02
77	193	910.00	0.80	19.83	0.11	27.58	1.63	0.02
77	193	960.00	0.51	19.46	-0.35	36.19	1.57	0.02
77	193	1010.00	4.84	-3.70	-1.22	29.12	1.21	0.01
77	193	1060.00	7.43	-3.29	-1.72	16.52	0.43	0.01
77	202	700.00	-9.23	-0.73	-1.88	11.19	-0.48	-3.00e-03
77	202	753.33	-9.23	-0.73	-1.88	10.73	-0.48	-2.55e-03

77	202	806.67	-6.47	0.33	-1.22	12.88	-1.26	-4.18e-03
77	202	860.00	-0.87	0.36	-0.71	2.65	-1.77	-5.44e-03
77	202	910.00	2.42	0.25	-0.15	4.82	-2.06	-9.61e-03
77	202	960.00	1.90	0.15	0.40	3.79	-2.00	-0.01
77	202	1010.00	5.58	0.94	1.58	6.33	-1.47	-0.02
77	202	1060.00	4.69	1.08	2.25	4.69	-0.56	-0.01
77	209	700.00	-3.71	25.15	0.09	10.42	0.09	0.04
77	209	753.33	-3.71	25.15	0.09	9.97	0.09	0.03
77	209	806.67	-1.67	31.37	0.50	24.16	0.44	0.02
77	209	860.00	-0.68	30.98	0.19	40.43	0.63	0.02
77	209	910.00	0.41	30.12	0.04	55.97	0.46	0.02
77	209	960.00	1.05	29.28	-0.14	70.32	0.41	0.01
77	209	1010.00	4.97	-13.28	-0.28	52.27	0.45	0.02
77	209	1060.00	10.33	-11.04	-0.38	28.89	0.10	0.02
77	225	700.00	-4.70	17.09	1.64	-2.85	0.46	0.05
77	225	753.33	-4.70	17.09	1.64	-3.30	0.46	0.05
77	225	806.67	-1.31	24.05	1.28	8.81	1.29	0.03
77	225	860.00	-0.31	23.72	0.69	21.16	1.82	0.03
77	225	910.00	0.80	23.27	0.14	33.10	1.97	0.02
77	225	960.00	0.28	22.83	-0.42	43.20	1.89	0.02
77	225	1010.00	5.02	-5.21	-1.47	34.26	1.46	0.02
77	225	1060.00	8.00	-4.65	-2.07	19.07	0.52	0.01
77	234	700.00	-10.41	-0.84	-2.23	14.02	-0.57	-3.92e-03
77	234	753.33	-10.41	-0.84	-2.23	13.56	-0.57	-3.24e-03
77	234	806.67	-7.43	-0.15	-1.45	15.86	-1.50	-5.05e-03
77	234	860.00	-0.99	-0.11	-0.84	3.55	-2.11	-6.51e-03
77	234	910.00	2.69	-0.23	-0.18	5.82	-2.45	-0.01
77	234	960.00	1.87	-0.35	0.47	4.31	-2.38	-0.02
77	234	1010.00	5.85	0.37	1.88	6.89	-1.75	-0.02
77	234	1060.00	4.71	0.60	2.67	4.89	-0.67	-0.02
77	256	700.00	-0.20	-1.50	-1.59e-04	-6.12	0.0	-7.57e-05
77	256	753.33	-0.20	-1.50	-1.59e-04	-6.92	-8.49e-05	-3.47e-04
77	256	806.67	1.57	2.19	-1.59e-04	-5.77	-1.70e-04	-3.98e-04
77	256	860.00	2.68	2.19	-1.59e-04	-4.60	-2.55e-04	-4.11e-04
77	256	910.00	3.75	2.19	-1.59e-04	-3.51	-3.34e-04	-4.07e-04
77	256	960.00	4.79	2.19	-1.59e-04	-2.41	-4.14e-04	-3.86e-04
77	256	1010.00	6.95	6.45	1.17e-03	2.09	1.72e-04	-3.06e-04
77	256	1060.00	6.66	5.73	-3.44e-04	3.85	0.0	2.72e-05
77	269	700.00	7.16	0.07	2.43	3.47	0.0	-4.65e-03
77	269	753.33	7.16	0.07	2.43	3.51	1.30	-2.99e-03
77	269	806.67	8.74	1.83	1.58	4.54	2.14	-2.51e-03
77	269	860.00	9.85	1.83	0.73	5.51	2.53	-1.80e-03
77	269	910.00	10.93	1.83	-0.09	6.43	2.48	-9.08e-04
77	269	960.00	11.97	1.83	-0.89	7.34	2.04	6.20e-05
77	269	1010.00	13.57	4.35	-1.74	9.53	1.17	2.79e-03
77	269	1060.00	12.30	4.09	-2.34	9.08	0.0	4.53e-03
77	275	700.00	-3.14	-0.81	4.05	-5.68	0.0	-7.42e-03
77	275	753.33	-3.14	-0.81	4.05	-6.11	2.16	-4.11e-03
77	275	806.67	-1.58	2.37	2.64	-4.87	3.57	-3.46e-03
77	275	860.00	-0.47	2.37	1.22	-3.61	4.22	-2.30e-03
77	275	910.00	0.60	2.37	-0.15	-2.43	4.14	-8.09e-04
77	275	960.00	1.64	2.37	-1.48	-1.24	3.40	7.98e-04
77	275	1010.00	3.79	4.76	-2.90	1.73	1.95	5.31e-03
77	275	1060.00	4.26	4.23	-3.90	2.82	0.0	7.88e-03
77	279	700.00	-4.25	-1.23	-1.22	-7.49	0.0	2.62e-03
77	279	753.33	-4.25	-1.23	-1.22	-8.14	-0.65	5.49e-04
77	279	806.67	-2.62	2.42	-0.79	-6.90	-1.07	5.29e-04
77	279	860.00	-1.51	2.42	-0.37	-5.61	-1.27	1.84e-04
77	279	910.00	-0.43	2.42	0.05	-4.40	-1.24	-2.58e-04
77	279	960.00	0.61	2.42	0.44	-3.19	-1.02	-7.18e-04
77	279	1010.00	2.91	5.41	0.87	0.43	-0.58	-1.98e-03
77	279	1060.00	3.52	4.78	1.17	2.01	0.0	-2.35e-03
77	298	700.00	-3.21	-0.94	-1.36e-04	-5.38	0.0	2.45e-04
77	298	753.33	-3.21	-0.94	-1.36e-04	-5.88	-7.23e-05	-5.15e-04
77	298	806.67	-1.68	2.13	-1.36e-04	-4.77	-1.45e-04	-3.88e-04
77	298	860.00	-0.57	2.13	-1.36e-04	-3.63	-2.17e-04	-3.84e-04
77	298	910.00	0.51	2.13	-1.36e-04	-2.57	-2.85e-04	-3.80e-04
77	298	960.00	1.55	2.13	-1.36e-04	-1.50	-3.52e-04	-3.65e-04
77	298	1010.00	3.70	4.76	9.62e-04	1.57	1.29e-04	-3.04e-04
77	298	1060.00	4.20	4.25	-2.57e-04	2.73	0.0	-1.30e-05
77	299	700.00	0.75	-0.29	-5.35e-05	0.52	0.0	4.70e-05
77	299	753.33	0.75	-0.29	-5.35e-05	0.37	-2.85e-05	-5.54e-04
77	299	806.67	2.09	1.36	-5.35e-05	1.15	-5.71e-05	-4.32e-04
77	299	860.00	3.20	1.36	-5.35e-05	1.87	-8.56e-05	-4.25e-04
77	299	910.00	4.28	1.36	-5.35e-05	2.55	-1.12e-04	-4.22e-04

77	299	960.00	5.32	1.36	-5.35e-05	3.23	-1.39e-04	-4.10e-04
77	299	1010.00	7.10	3.45	6.27e-04	5.17	1.75e-04	-3.63e-04
77	299	1060.00	7.04	3.25	-3.49e-04	5.29	0.0	-1.05e-04
77	301	700.00	-1.28	-0.78	-1.20e-04	-3.87	0.0	1.97e-04
77	301	753.33	-1.28	-0.78	-1.20e-04	-4.28	-6.43e-05	-5.81e-04
77	301	806.67	0.27	2.09	-1.20e-04	-3.18	-1.29e-04	-4.44e-04
77	301	860.00	1.38	2.09	-1.20e-04	-2.07	-1.93e-04	-4.39e-04
77	301	910.00	2.46	2.09	-1.20e-04	-1.02	-2.53e-04	-4.35e-04
77	301	960.00	3.50	2.09	-1.20e-04	0.02	-3.13e-04	-4.20e-04
77	301	1010.00	5.56	4.76	9.44e-04	2.99	1.59e-04	-3.57e-04
77	301	1060.00	5.72	4.29	-3.17e-04	3.90	0.0	-4.73e-05
77	307	700.00	-2.86	-0.83	0.81	-4.71	0.0	-1.31e-03
77	307	753.33	-2.86	-0.83	0.81	-5.15	0.43	-1.23e-03
77	307	806.67	-1.36	2.05	0.53	-4.07	0.71	-1.00e-03
77	307	860.00	-0.24	2.05	0.24	-2.97	0.84	-7.64e-04
77	307	910.00	0.83	2.05	-0.03	-1.94	0.83	-4.64e-04
77	307	960.00	1.87	2.05	-0.30	-0.92	0.68	-1.31e-04
77	307	1010.00	3.98	4.54	-0.58	1.96	0.39	8.17e-04
77	307	1060.00	4.43	4.07	-0.78	2.98	0.0	1.56e-03
77	309	700.00	-0.84	-0.36	-5.74e-05	-0.26	0.0	6.99e-05
77	309	753.33	-0.84	-0.36	-5.74e-05	-0.45	-3.06e-05	-4.82e-04
77	309	806.67	0.45	1.28	-5.74e-05	0.28	-6.12e-05	-3.74e-04
77	309	860.00	1.56	1.28	-5.74e-05	0.96	-9.18e-05	-3.68e-04
77	309	910.00	2.63	1.28	-5.74e-05	1.60	-1.20e-04	-3.65e-04
77	309	960.00	3.68	1.28	-5.74e-05	2.24	-1.49e-04	-3.54e-04
77	309	1010.00	5.50	3.22	5.93e-04	4.11	1.47e-04	-3.11e-04
77	309	1060.00	5.73	3.04	-2.95e-04	4.36	0.0	-8.04e-05
77	310	700.00	-2.87	-0.85	-1.24e-04	-4.65	0.0	2.20e-04
77	310	753.33	-2.87	-0.85	-1.24e-04	-5.10	-6.63e-05	-5.10e-04
77	310	806.67	-1.37	2.00	-1.24e-04	-4.04	-1.33e-04	-3.86e-04
77	310	860.00	-0.26	2.00	-1.24e-04	-2.97	-1.99e-04	-3.81e-04
77	310	910.00	0.81	2.00	-1.24e-04	-1.97	-2.61e-04	-3.78e-04
77	310	960.00	1.85	2.00	-1.24e-04	-0.97	-3.23e-04	-3.63e-04
77	310	1010.00	3.96	4.54	9.09e-04	1.93	1.31e-04	-3.05e-04
77	310	1060.00	4.42	4.08	-2.63e-04	2.96	0.0	-2.26e-05

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-10.41	-13.28	-5.84	-11.84	-2.45	-0.02
			19.75	31.37	6.08	70.32	6.32	0.05

Macro	Tipo	Angolo 1-Z (gradi)
78	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
78	9	700.00	-61.32	-17.55	1.33	-6.70	0.0	0.07
78	9	753.33	-61.32	-17.55	1.33	2.66	0.71	0.10
78	9	806.67	-63.17	-25.55	0.79	16.58	1.13	0.06
78	9	860.00	-62.13	-25.52	0.35	29.26	1.32	0.02
78	9	910.00	-61.20	-25.53	-0.02	41.06	1.31	-0.02
78	9	960.00	-60.40	-25.57	-0.39	52.81	1.11	-0.06
78	9	1010.00	-52.81	-11.79	-0.89	40.74	0.67	-0.08
78	9	1060.00	-42.10	-9.97	-1.34	26.94	0.0	-0.06
78	45	700.00	-23.89	-9.51	-4.52	-7.66	0.0	-0.23
78	45	753.33	-23.89	-9.51	-4.52	-2.59	-2.41	-0.34
78	45	806.67	-24.98	-13.23	-2.59	3.59	-3.80	-0.19
78	45	860.00	-24.65	-13.22	-1.10	9.48	-4.38	-0.05
78	45	910.00	-24.25	-13.22	0.15	15.04	-4.31	0.09
78	45	960.00	-23.79	-13.24	1.35	20.72	-3.64	0.21
78	45	1010.00	-20.25	-6.27	2.92	15.69	-2.18	0.29
78	45	1060.00	-15.34	-5.12	4.35	10.15	0.0	0.23
78	52	700.00	-44.08	-28.83	-0.03	-37.90	0.0	4.00e-03
78	52	753.33	-44.08	-28.83	-0.03	-22.53	-0.02	5.42e-03
78	52	806.67	-47.16	-41.05	0.01	-1.77	-0.01	4.46e-03
78	52	860.00	-47.09	-41.00	0.02	18.24	3.01e-03	4.36e-03
78	52	910.00	-47.09	-40.99	0.03	36.88	0.02	4.96e-03
78	52	960.00	-47.17	-41.05	0.02	55.52	0.03	6.20e-03
78	52	1010.00	-41.06	-17.18	-7.16e-03	40.69	0.02	8.23e-03
78	52	1060.00	-32.30	-12.62	-0.04	24.49	0.0	7.07e-03
78	69	700.00	-24.62	-12.68	-0.01	-10.29	0.0	1.80e-03
78	69	753.33	-24.62	-12.68	-0.01	-3.52	-7.89e-03	2.34e-03
78	69	806.67	-25.24	-16.36	6.77e-03	4.45	-4.28e-03	1.89e-03

78	69	860.00	-24.55	-16.35	0.01	12.36	1.13e-03	1.79e-03
78	69	910.00	-23.91	-16.34	8.73e-03	19.71	5.49e-03	1.96e-03
78	69	960.00	-23.33	-16.37	5.25e-03	27.06	8.12e-03	2.34e-03
78	69	1010.00	-19.84	-5.33	-3.34e-03	19.09	6.45e-03	2.97e-03
78	69	1060.00	-15.19	-3.15	-0.01	10.93	0.0	2.46e-03
78	113	700.00	-42.68	-35.44	1.09	-64.26	0.29	0.09
78	113	753.33	-42.68	-35.44	1.09	-56.92	0.28	0.08
78	113	806.67	-41.47	-46.50	0.67	-30.60	0.74	0.07
78	113	860.00	-27.13	-46.01	0.38	15.38	1.01	0.04
78	113	910.00	-25.94	-45.64	0.14	38.27	1.14	0.01
78	113	960.00	-24.89	-40.93	-0.08	59.83	1.16	-0.02
78	113	1010.00	-21.28	-5.12	-0.84	41.51	0.92	-0.04
78	113	1060.00	-16.37	2.02	-1.42	18.74	0.35	-0.04
78	126	700.00	-56.14	6.95	1.20	-18.07	0.33	0.06
78	126	753.33	-56.14	6.95	1.20	-10.73	0.32	0.06
78	126	806.67	-53.67	-1.76	0.72	-2.83	0.85	0.05
78	126	860.00	-47.41	-1.99	0.40	0.99	1.14	0.02
78	126	910.00	-41.97	-2.28	0.18	4.92	1.30	-9.48e-03
78	126	960.00	-33.42	-2.13	-0.06	11.17	1.33	-0.03
78	126	1010.00	-27.93	-3.66	-0.95	10.62	1.08	-0.05
78	126	1060.00	-18.68	-4.92	-1.67	9.31	0.41	-0.05
78	127	700.00	4.13	-34.50	-1.24	-21.10	-0.33	-0.06
78	127	753.33	4.13	-34.50	-1.24	-13.75	-0.34	-0.05
78	127	806.67	-0.75	-38.63	-0.70	-1.04	-0.86	-0.04
78	127	860.00	-5.86	-38.35	-0.38	14.80	-1.14	-0.02
78	127	910.00	-10.25	-38.04	-0.15	29.18	-1.28	0.01
78	127	960.00	-17.87	-38.25	0.08	41.23	-1.30	0.04
78	127	1010.00	-15.65	-14.42	0.95	28.44	-1.05	0.06
78	127	1060.00	-14.35	-8.97	1.63	14.81	-0.41	0.05
78	129	700.00	-13.37	-70.87	0.17	-73.46	0.03	0.06
78	129	753.33	-13.37	-70.87	0.17	-66.12	0.02	0.06
78	129	806.67	-15.40	-79.37	0.16	-28.95	0.08	0.05
78	129	860.00	-12.78	-78.19	0.10	16.06	0.12	0.04
78	129	910.00	-14.48	-77.11	0.02	52.38	0.14	0.02
78	129	960.00	-16.50	-74.85	0.01	86.94	0.14	8.36e-03
78	129	1010.00	-16.00	-10.27	-0.13	58.92	0.10	5.66e-04
78	129	1060.00	-14.40	5.97	-0.15	23.94	0.03	-2.42e-03
78	145	700.00	-44.74	-38.33	1.23	-70.13	0.33	0.10
78	145	753.33	-44.74	-38.33	1.23	-62.79	0.32	0.09
78	145	806.67	-43.24	-49.97	0.75	-34.35	0.84	0.08
78	145	860.00	-27.15	-49.42	0.42	16.34	1.14	0.05
78	145	910.00	-25.88	-49.00	0.16	41.07	1.28	0.01
78	145	960.00	-24.76	-43.69	-0.10	64.29	1.30	-0.02
78	145	1010.00	-21.19	-4.64	-0.94	44.42	1.03	-0.04
78	145	1060.00	-16.34	3.16	-1.59	19.62	0.39	-0.05
78	158	700.00	-59.92	9.64	1.36	-17.78	0.37	0.07
78	158	753.33	-59.92	9.64	1.36	-10.43	0.36	0.07
78	158	806.67	-56.99	0.64	0.80	-2.89	0.95	0.05
78	158	860.00	-50.02	0.38	0.45	0.12	1.29	0.02
78	158	910.00	-43.97	0.05	0.20	3.35	1.46	-0.01
78	158	960.00	-34.41	0.22	-0.07	9.19	1.50	-0.04
78	158	1010.00	-28.70	-2.98	-1.07	9.44	1.21	-0.05
78	158	1060.00	-18.95	-4.69	-1.88	8.95	0.46	-0.05
78	159	700.00	7.91	-37.19	-1.39	-21.39	-0.37	-0.07
78	159	753.33	7.91	-37.19	-1.39	-14.05	-0.38	-0.06
78	159	806.67	2.57	-41.03	-0.79	-0.98	-0.96	-0.05
78	159	860.00	-3.24	-40.72	-0.42	15.67	-1.28	-0.02
78	159	910.00	-8.25	-40.38	-0.17	30.74	-1.44	0.02
78	159	960.00	-16.89	-40.60	0.09	43.21	-1.47	0.04
78	159	1010.00	-14.87	-15.09	1.06	29.62	-1.18	0.06
78	159	1060.00	-14.07	-9.20	1.83	15.17	-0.46	0.06
78	161	700.00	-11.65	-78.47	0.19	-80.63	0.03	0.07
78	161	753.33	-11.65	-78.47	0.19	-73.28	0.03	0.07
78	161	806.67	-13.79	-87.20	0.18	-32.53	0.09	0.06
78	161	860.00	-10.93	-85.87	0.11	17.15	0.13	0.04
78	161	910.00	-12.93	-84.65	0.02	57.08	0.15	0.03
78	161	960.00	-15.27	-82.09	9.64e-03	95.02	0.16	9.13e-03
78	161	1010.00	-15.23	-10.44	-0.15	64.16	0.12	1.55e-04
78	161	1060.00	-14.11	7.68	-0.17	25.52	0.04	-3.16e-03
78	177	700.00	-44.51	-39.31	1.20	-71.59	0.32	0.10
78	177	753.33	-44.51	-39.31	1.20	-64.24	0.31	0.09
78	177	806.67	-43.07	-50.91	0.74	-35.14	0.82	0.08
78	177	860.00	-26.90	-50.36	0.41	16.45	1.12	0.05
78	177	910.00	-25.64	-49.92	0.15	41.82	1.26	0.01
78	177	960.00	-24.54	-44.54	-0.10	65.60	1.27	-0.02

78	177	1010.00	-21.03	-4.72	-0.93	45.31	1.01	-0.04
78	177	1060.00	-16.29	3.27	-1.56	19.91	0.38	-0.05
78	190	700.00	-59.63	10.06	1.33	-17.08	0.37	0.07
78	190	753.33	-59.63	10.06	1.33	-9.74	0.36	0.06
78	190	806.67	-56.73	1.07	0.79	-2.54	0.94	0.05
78	190	860.00	-49.86	0.82	0.44	0.20	1.26	0.02
78	190	910.00	-43.87	0.48	0.19	3.15	1.43	-0.01
78	190	960.00	-34.41	0.62	-0.07	8.72	1.47	-0.04
78	190	1010.00	-28.67	-3.05	-1.05	9.12	1.19	-0.05
78	190	1060.00	-18.94	-4.89	-1.85	8.85	0.46	-0.05
78	191	700.00	7.62	-37.61	-1.37	-22.09	-0.37	-0.06
78	191	753.33	7.62	-37.61	-1.37	-14.74	-0.37	-0.06
78	191	806.67	2.31	-41.46	-0.77	-1.33	-0.95	-0.05
78	191	860.00	-3.41	-41.15	-0.41	15.59	-1.26	-0.02
78	191	910.00	-8.35	-40.80	-0.17	30.94	-1.41	0.02
78	191	960.00	-16.89	-41.00	0.09	43.68	-1.44	0.04
78	191	1010.00	-14.91	-15.03	1.05	29.94	-1.16	0.06
78	191	1060.00	-14.08	-9.00	1.80	15.26	-0.46	0.06
78	193	700.00	-10.86	-80.93	0.18	-82.89	0.03	0.07
78	193	753.33	-10.86	-80.93	0.18	-75.55	0.02	0.07
78	193	806.67	-13.10	-89.46	0.18	-33.59	0.08	0.06
78	193	860.00	-10.30	-88.12	0.10	17.50	0.12	0.04
78	193	910.00	-12.40	-86.86	0.02	58.63	0.14	0.03
78	193	960.00	-14.85	-84.25	7.17e-03	97.65	0.15	9.74e-03
78	193	1010.00	-14.96	-10.50	-0.14	65.86	0.11	3.99e-04
78	193	1060.00	-14.02	8.20	-0.16	26.04	0.03	-2.99e-03
78	209	700.00	-47.63	-44.56	1.40	-81.86	0.37	0.11
78	209	753.33	-47.63	-44.56	1.40	-74.51	0.36	0.11
78	209	806.67	-45.77	-57.09	0.86	-41.61	0.96	0.09
78	209	860.00	-26.74	-56.44	0.48	18.06	1.30	0.06
78	209	910.00	-25.37	-55.91	0.17	46.78	1.46	0.01
78	209	960.00	-24.17	-49.51	-0.12	73.55	1.48	-0.02
78	209	1010.00	-20.79	-4.02	-1.08	50.52	1.17	-0.05
78	209	1060.00	-16.21	5.16	-1.81	21.50	0.45	-0.05
78	222	700.00	-65.27	14.44	1.55	-16.24	0.42	0.08
78	222	753.33	-65.27	14.44	1.55	-8.89	0.42	0.07
78	222	806.67	-61.69	5.03	0.92	-2.43	1.09	0.06
78	222	860.00	-53.79	4.73	0.51	-1.07	1.47	0.02
78	222	910.00	-46.89	4.33	0.22	0.64	1.66	-0.01
78	222	960.00	-35.93	4.49	-0.08	5.41	1.71	-0.04
78	222	1010.00	-29.85	-2.04	-1.22	7.15	1.38	-0.06
78	222	1060.00	-19.35	-4.65	-2.14	8.24	0.53	-0.06
78	223	700.00	13.26	-41.99	-1.59	-22.93	-0.42	-0.07
78	223	753.33	13.26	-41.99	-1.59	-15.59	-0.43	-0.07
78	223	806.67	7.27	-45.43	-0.90	-1.45	-1.10	-0.06
78	223	860.00	0.52	-45.07	-0.48	16.86	-1.47	-0.02
78	223	910.00	-5.33	-44.65	-0.19	33.46	-1.64	0.02
78	223	960.00	-15.36	-44.87	0.10	46.99	-1.68	0.05
78	223	1010.00	-13.73	-16.03	1.22	31.91	-1.35	0.07
78	223	1060.00	-13.67	-9.24	2.09	15.87	-0.53	0.07
78	225	700.00	-7.59	-94.71	0.21	-95.81	0.04	0.08
78	225	753.33	-7.59	-94.71	0.21	-88.46	0.03	0.08
78	225	806.67	-10.07	-103.59	0.20	-40.00	0.09	0.07
78	225	860.00	-6.91	-102.00	0.12	19.44	0.14	0.05
78	225	910.00	-9.56	-100.48	0.02	67.15	0.16	0.03
78	225	960.00	-12.61	-97.36	5.28e-03	112.29	0.17	0.01
78	225	1010.00	-13.54	-10.83	-0.16	75.36	0.12	-1.34e-04
78	225	1060.00	-13.50	11.26	-0.18	28.91	0.04	-4.11e-03
78	245	700.00	-43.78	-12.45	0.89	-5.07	0.0	0.05
78	245	753.33	-43.78	-12.45	0.89	1.57	0.47	0.07
78	245	806.67	-45.00	-18.11	0.53	11.41	0.76	0.04
78	245	860.00	-44.16	-18.09	0.24	20.39	0.88	0.01
78	245	910.00	-43.40	-18.10	-0.01	28.74	0.88	-0.02
78	245	960.00	-42.72	-18.13	-0.26	37.06	0.74	-0.04
78	245	1010.00	-37.23	-8.35	-0.59	28.57	0.45	-0.05
78	245	1060.00	-29.53	-7.04	-0.90	18.87	0.0	-0.04
78	261	700.00	-25.84	-9.96	-3.02	-8.60	0.0	-0.16
78	261	753.33	-25.84	-9.96	-3.02	-3.29	-1.61	-0.22
78	261	806.67	-26.85	-14.10	-1.73	3.58	-2.53	-0.13
78	261	860.00	-26.37	-14.08	-0.73	10.07	-2.92	-0.03
78	261	910.00	-25.86	-14.08	0.10	16.16	-2.87	0.06
78	261	960.00	-25.33	-14.10	0.90	22.33	-2.42	0.14
78	261	1010.00	-21.59	-6.58	1.95	16.93	-1.45	0.19
78	261	1060.00	-16.44	-5.34	2.89	10.92	0.0	0.15
78	268	700.00	-32.28	-19.97	-0.02	-25.87	0.0	2.76e-03

78	268	753.33	-32.28	-19.97	-0.02	-15.22	-0.01	3.75e-03
78	268	806.67	-34.33	-28.45	9.56e-03	-0.82	-7.13e-03	3.09e-03
78	268	860.00	-34.13	-28.41	0.02	13.05	2.20e-03	3.02e-03
78	268	910.00	-33.99	-28.40	0.02	25.95	0.01	3.44e-03
78	268	960.00	-33.91	-28.44	0.01	38.87	0.02	4.30e-03
78	268	1010.00	-29.40	-11.94	-5.14e-03	28.53	0.02	5.72e-03
78	268	1060.00	-23.00	-8.80	-0.03	17.24	0.0	4.92e-03
78	273	700.00	-26.32	-12.08	-0.01	-10.35	0.0	1.62e-03
78	273	753.33	-26.32	-12.08	-0.01	-3.91	-7.71e-03	2.12e-03
78	273	806.67	-27.03	-16.18	6.96e-03	4.15	-4.00e-03	1.72e-03
78	273	860.00	-26.31	-16.16	0.01	11.98	1.68e-03	1.66e-03
78	273	910.00	-25.64	-16.16	9.53e-03	19.27	6.44e-03	1.87e-03
78	273	960.00	-25.03	-16.19	5.96e-03	26.56	9.43e-03	2.31e-03
78	273	1010.00	-21.33	-5.96	-3.78e-03	19.20	7.54e-03	3.02e-03
78	273	1060.00	-16.34	-4.03	-0.02	11.44	0.0	2.55e-03
78	298	700.00	-25.77	-14.51	-0.02	-21.39	0.0	2.00e-03
78	298	753.33	-25.77	-14.51	-0.02	-13.65	-9.66e-03	2.75e-03
78	298	806.67	-27.07	-21.29	7.17e-03	-2.81	-5.83e-03	2.26e-03
78	298	860.00	-26.54	-21.26	0.01	7.56	1.53e-03	2.22e-03
78	298	910.00	-26.07	-21.26	0.01	17.21	8.99e-03	2.57e-03
78	298	960.00	-25.66	-21.29	0.01	26.86	0.01	3.27e-03
78	298	1010.00	-21.81	-9.51	-3.73e-03	19.97	0.01	4.42e-03
78	298	1060.00	-16.52	-7.27	-0.03	12.26	0.0	3.85e-03
78	299	700.00	-30.62	-10.02	-0.01	-8.02	0.0	1.14e-03
78	299	753.33	-30.62	-10.02	-0.01	-2.67	-6.84e-03	1.54e-03
78	299	806.67	-31.37	-14.54	7.34e-03	4.94	-2.93e-03	1.27e-03
78	299	860.00	-30.52	-14.53	0.01	12.02	3.00e-03	1.29e-03
78	299	910.00	-29.72	-14.52	0.01	18.61	8.13e-03	1.57e-03
78	299	960.00	-28.99	-14.55	6.41e-03	25.21	0.01	2.09e-03
78	299	1010.00	-24.79	-6.64	-4.83e-03	19.22	8.92e-03	2.88e-03
78	299	1060.00	-19.08	-5.40	-0.02	12.46	0.0	2.53e-03
78	304	700.00	-27.13	-9.49	-0.61	-8.74	0.0	-0.03
78	304	753.33	-27.13	-9.49	-0.61	-3.68	-0.33	-0.04
78	304	806.67	-27.81	-13.71	-0.34	3.35	-0.51	-0.02
78	304	860.00	-27.01	-13.69	-0.14	9.95	-0.58	-5.65e-03
78	304	910.00	-26.25	-13.69	0.03	16.09	-0.57	0.01
78	304	960.00	-25.52	-13.71	0.19	22.25	-0.48	0.03
78	304	1010.00	-21.67	-6.26	0.39	16.89	-0.28	0.04
78	304	1060.00	-16.46	-5.04	0.57	10.86	0.0	0.03
78	306	700.00	-27.23	-9.91	-0.01	-9.09	0.0	1.21e-03
78	306	753.33	-27.23	-9.91	-0.01	-3.80	-6.82e-03	1.63e-03
78	306	806.67	-27.85	-14.13	6.65e-03	3.47	-3.27e-03	1.33e-03
78	306	860.00	-27.00	-14.11	0.01	10.33	2.26e-03	1.32e-03
78	306	910.00	-26.20	-14.11	9.72e-03	16.72	7.12e-03	1.57e-03
78	306	960.00	-25.46	-14.13	6.30e-03	23.10	0.01	2.04e-03
78	306	1010.00	-21.62	-6.14	-4.05e-03	17.34	8.25e-03	2.78e-03
78	306	1060.00	-16.44	-4.77	-0.02	10.97	0.0	2.43e-03
78	309	700.00	-27.46	-9.37	-0.01	-8.77	0.0	1.11e-03
78	309	753.33	-27.46	-9.37	-0.01	-3.77	-6.60e-03	1.51e-03
78	309	806.67	-28.05	-13.61	6.57e-03	3.30	-3.09e-03	1.24e-03
78	309	860.00	-27.17	-13.60	0.01	9.92	2.41e-03	1.24e-03
78	309	910.00	-26.34	-13.60	9.76e-03	16.08	7.29e-03	1.49e-03
78	309	960.00	-25.57	-13.62	6.38e-03	22.24	0.01	1.97e-03
78	309	1010.00	-21.69	-6.19	-4.11e-03	16.88	8.42e-03	2.72e-03
78	309	1060.00	-16.46	-4.96	-0.02	10.85	0.0	2.39e-03
78	310	700.00	-26.01	-13.77	-0.02	-19.59	0.0	1.88e-03
78	310	753.33	-26.01	-13.77	-0.02	-12.24	-9.22e-03	2.58e-03
78	310	806.67	-27.21	-20.20	7.08e-03	-1.94	-5.44e-03	2.12e-03
78	310	860.00	-26.63	-20.17	0.01	7.89	1.66e-03	2.08e-03
78	310	910.00	-26.11	-20.16	0.01	17.05	8.75e-03	2.41e-03
78	310	960.00	-25.65	-20.19	0.01	26.20	0.01	3.08e-03
78	310	1010.00	-21.79	-9.04	-3.78e-03	19.53	0.01	4.18e-03
78	310	1060.00	-16.51	-6.94	-0.02	12.06	0.0	3.64e-03
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-65.27	-103.59	-4.52	-95.81	-4.38	-0.34
			13.26	14.44	4.35	112.29	1.71	0.29

Macro	Tipo	Angolo 1-Z (gradi)
79	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**

		cm	kN	kN	kN	kN m	kN m	kN m
79	35	700.00	-22.04	-4.27	0.46	-7.52	-0.39	-0.10
79	35	753.33	-21.67	-4.55	0.46	-5.06	-0.14	-3.64e-03
79	35	806.67	-20.04	-7.04	0.13	-2.57	-0.07	2.45e-03
79	35	860.00	-17.28	-7.05	0.06	-0.34	-0.04	6.00e-03
79	35	910.00	-14.66	-7.05	0.03	1.76	-0.02	6.63e-03
79	35	960.00	-12.16	-7.04	0.03	3.92	-7.23e-03	6.81e-03
79	35	1010.00	-10.11	-6.61	0.01	5.46	-1.24e-04	6.66e-03
79	35	1060.00	-8.60	-4.11	2.48e-04	5.11	0.0	3.94e-03
79	52	700.00	-20.23	-4.81	0.56	-8.21	-0.48	-0.12
79	52	753.33	-19.84	-5.08	0.57	-5.45	-0.18	-4.80e-03
79	52	806.67	-17.96	-7.55	0.19	-2.82	-0.08	5.19e-03
79	52	860.00	-15.12	-7.56	0.08	-0.37	-0.03	7.67e-03
79	52	910.00	-12.41	-7.56	0.04	1.90	-0.01	6.91e-03
79	52	960.00	-9.81	-7.56	0.02	4.24	-2.16e-03	6.01e-03
79	52	1010.00	-8.12	-5.96	4.16e-03	5.11	-8.24e-05	5.32e-03
79	52	1060.00	-6.99	-3.58	1.65e-04	4.38	0.0	3.55e-03
79	69	700.00	-9.28	-2.20	0.16	-2.29	-0.12	-0.03
79	69	753.33	-9.01	-2.33	0.16	-0.98	-0.04	1.80e-03
79	69	806.67	-8.14	-3.40	0.04	0.21	-0.02	1.07e-03
79	69	860.00	-6.58	-3.40	0.02	1.32	-7.73e-03	2.14e-03
79	69	910.00	-5.11	-3.40	0.01	2.37	-2.42e-03	2.11e-03
79	69	960.00	-3.71	-3.41	7.19e-03	3.46	1.17e-03	1.87e-03
79	69	1010.00	-3.21	-2.05	1.88e-03	3.27	2.11e-03	1.53e-03
79	69	1060.00	-3.03	-1.22	-4.22e-03	2.36	0.0	6.20e-04
79	75	700.00	-18.78	-3.57	0.55	-7.95	-0.49	-0.12
79	75	753.33	-18.38	-3.77	0.55	-5.85	-0.20	-8.42e-03
79	75	806.67	-16.73	-5.71	0.21	-3.95	-0.08	5.46e-03
79	75	860.00	-14.33	-5.71	0.09	-2.13	-0.04	7.47e-03
79	75	910.00	-12.01	-5.71	0.04	-0.46	-0.02	6.50e-03
79	75	960.00	-9.75	-5.70	0.02	1.24	-4.31e-03	5.60e-03
79	75	1010.00	-7.53	-5.06	2.89e-03	2.56	-2.87e-03	5.11e-03
79	75	1060.00	-5.63	-2.98	5.73e-03	2.72	0.0	3.94e-03
79	122	700.00	-7.01	3.36	1.04	3.87	-0.25	-0.19
79	122	753.33	-8.62	5.08	0.85	4.36	0.11	-0.10
79	122	806.67	-5.75	7.57	0.86	4.45	0.37	-0.05
79	122	860.00	-7.37	7.55	0.36	2.59	0.68	-0.02
79	122	910.00	-9.34	7.41	0.08	0.88	0.79	0.02
79	122	960.00	-9.04	7.34	-0.15	-1.29	0.74	0.06
79	122	1010.00	-7.03	2.08	-0.54	0.18	0.58	0.09
79	122	1060.00	-4.27	1.48	-0.91	1.45	0.23	0.09
79	137	700.00	4.59	-12.82	0.73	2.52	-0.10	-0.04
79	137	753.33	6.17	-12.90	0.76	4.89	0.09	5.41e-03
79	137	806.67	3.10	-16.69	0.01	6.88	0.17	-9.89e-03
79	137	860.00	7.76	-16.39	0.08	12.54	0.18	-9.31e-04
79	137	910.00	12.20	-15.96	0.01	18.50	0.20	6.84e-03
79	137	960.00	18.51	-15.66	-0.04	24.51	0.26	0.01
79	137	1010.00	11.37	-0.10	-0.18	19.08	0.16	0.01
79	137	1060.00	1.78	-0.03	-0.23	7.45	0.06	0.02
79	139	700.00	0.50	-13.94	0.36	-2.54	-0.09	0.01
79	139	753.33	3.15	-16.10	0.47	0.27	0.01	0.04
79	139	806.67	-0.56	-21.52	-0.34	2.77	-6.98e-03	0.01
79	139	860.00	4.58	-21.19	-0.06	8.95	-0.13	5.22e-03
79	139	910.00	8.62	-20.68	-0.01	14.62	-0.15	-3.69e-03
79	139	960.00	11.47	-20.37	0.03	20.26	-0.08	-0.02
79	139	1010.00	6.57	-2.97	0.05	15.84	-0.10	-0.03
79	139	1060.00	0.68	-1.79	0.18	6.48	-0.05	-0.02
79	140	700.00	-29.14	8.49	-0.13	-11.11	-0.41	-0.09
79	140	753.33	-30.15	8.32	-0.16	-10.89	-0.29	-0.01
79	140	806.67	-25.11	9.73	0.20	-10.51	-0.26	0.02
79	140	860.00	-26.57	9.43	0.01	-13.93	-0.22	9.14e-03
79	140	910.00	-27.92	9.00	0.03	-17.83	-0.21	4.71e-04
79	140	960.00	-31.25	8.71	0.07	-21.73	-0.26	-4.13e-03
79	140	1010.00	-21.38	-5.98	0.19	-14.86	-0.16	-8.30e-03
79	140	1060.00	-9.49	-3.57	0.23	-3.37	-0.06	-0.01
79	154	700.00	-6.36	4.06	1.13	4.88	-0.25	-0.21
79	154	753.33	-8.23	6.02	0.92	5.26	0.13	-0.11
79	154	806.67	-5.12	8.98	0.95	5.21	0.42	-0.06
79	154	860.00	-7.14	8.95	0.40	2.97	0.77	-0.02
79	154	910.00	-9.57	8.79	0.09	0.91	0.89	0.02
79	154	960.00	-9.42	8.71	-0.17	-1.67	0.84	0.06
79	154	1010.00	-7.31	2.72	-0.60	-0.10	0.66	0.10
79	154	1060.00	-4.33	1.88	-1.02	1.36	0.26	0.10
79	169	700.00	6.72	-14.22	0.78	3.35	-0.08	-0.04
79	169	753.33	8.53	-14.30	0.81	5.90	0.12	6.65e-03

79	169	806.67	4.93	-18.43	-2.51e-03	8.00	0.20	-0.01
79	169	860.00	10.01	-18.09	0.08	14.28	0.20	-1.53e-03
79	169	910.00	14.84	-17.61	0.01	20.89	0.22	7.23e-03
79	169	960.00	21.77	-17.27	-0.05	27.54	0.29	0.01
79	169	1010.00	13.51	0.26	-0.20	21.31	0.18	0.02
79	169	1060.00	2.51	0.20	-0.26	8.16	0.06	0.02
79	171	700.00	2.12	-15.47	0.36	-2.33	-0.07	0.02
79	171	753.33	5.13	-17.89	0.49	0.70	0.03	0.05
79	171	806.67	0.81	-23.85	-0.39	3.37	-1.60e-03	0.01
79	171	860.00	6.42	-23.47	-0.08	10.23	-0.15	5.35e-03
79	171	910.00	10.80	-22.90	-0.01	16.51	-0.17	-4.58e-03
79	171	960.00	13.84	-22.55	0.04	22.74	-0.09	-0.02
79	171	1010.00	8.11	-2.96	0.06	17.65	-0.11	-0.03
79	171	1060.00	1.28	-1.77	0.20	7.07	-0.05	-0.02
79	172	700.00	-31.27	9.90	-0.19	-11.94	-0.43	-0.09
79	172	753.33	-32.51	9.71	-0.22	-11.90	-0.32	-0.01
79	172	806.67	-26.93	11.47	0.21	-11.63	-0.29	0.02
79	172	860.00	-28.81	11.12	0.01	-15.67	-0.24	9.74e-03
79	172	910.00	-30.56	10.64	0.03	-20.22	-0.24	7.73e-05
79	172	960.00	-34.51	10.31	0.07	-24.76	-0.29	-5.03e-03
79	172	1010.00	-23.52	-6.35	0.21	-17.09	-0.18	-9.66e-03
79	172	1060.00	-10.22	-3.80	0.26	-4.08	-0.06	-0.02
79	186	700.00	-6.50	4.12	1.12	4.73	-0.25	-0.20
79	186	753.33	-8.47	6.06	0.91	5.04	0.13	-0.11
79	186	806.67	-5.30	8.99	0.93	5.00	0.42	-0.06
79	186	860.00	-7.33	8.95	0.39	2.69	0.76	-0.02
79	186	910.00	-9.77	8.79	0.09	0.60	0.87	0.02
79	186	960.00	-9.73	8.70	-0.17	-1.93	0.82	0.06
79	186	1010.00	-7.51	2.63	-0.59	-0.30	0.65	0.10
79	186	1060.00	-4.41	1.80	-1.00	1.30	0.25	0.10
79	201	700.00	6.64	-14.54	0.77	3.14	-0.08	-0.04
79	201	753.33	8.93	-14.63	0.80	5.98	0.12	7.38e-03
79	201	806.67	5.19	-18.83	-0.01	8.13	0.20	-0.01
79	201	860.00	10.47	-18.49	0.08	14.65	0.20	-1.25e-03
79	201	910.00	15.46	-17.99	0.01	21.45	0.22	7.21e-03
79	201	960.00	22.45	-17.63	-0.05	28.22	0.28	0.01
79	201	1010.00	13.94	0.21	-0.20	21.79	0.18	0.02
79	201	1060.00	2.65	0.24	-0.25	8.32	0.06	0.02
79	203	700.00	2.13	-15.73	0.36	-2.46	-0.07	0.02
79	203	753.33	5.55	-18.15	0.49	0.83	0.03	0.05
79	203	806.67	1.12	-24.14	-0.39	3.52	2.63e-03	0.01
79	203	860.00	6.86	-23.75	-0.08	10.55	-0.14	5.38e-03
79	203	910.00	11.41	-23.16	-0.01	16.99	-0.17	-4.39e-03
79	203	960.00	14.49	-22.80	0.04	23.35	-0.09	-0.02
79	203	1010.00	8.53	-2.96	0.06	18.09	-0.11	-0.03
79	203	1060.00	1.42	-1.71	0.20	7.21	-0.05	-0.02
79	204	700.00	-31.19	10.22	-0.17	-11.73	-0.44	-0.09
79	204	753.33	-32.91	10.05	-0.21	-11.98	-0.32	-0.01
79	204	806.67	-27.19	11.87	0.22	-11.76	-0.29	0.02
79	204	860.00	-29.27	11.52	0.01	-16.04	-0.24	9.46e-03
79	204	910.00	-31.18	11.02	0.03	-20.77	-0.24	1.05e-04
79	204	960.00	-35.19	10.67	0.07	-25.44	-0.28	-4.92e-03
79	204	1010.00	-23.95	-6.29	0.21	-17.58	-0.18	-9.50e-03
79	204	1060.00	-10.36	-3.84	0.25	-4.24	-0.06	-0.02
79	218	700.00	-5.73	5.29	1.25	6.15	-0.25	-0.23
79	218	753.33	-8.11	7.57	1.00	6.27	0.17	-0.12
79	218	806.67	-4.53	11.21	1.07	6.02	0.49	-0.07
79	218	860.00	-7.19	11.17	0.45	3.09	0.88	-0.03
79	218	910.00	-10.33	10.97	0.10	0.43	1.02	0.02
79	218	960.00	-10.56	10.86	-0.20	-2.74	0.96	0.07
79	218	1010.00	-8.10	3.54	-0.69	-0.89	0.75	0.11
79	218	1060.00	-4.56	2.37	-1.16	1.12	0.29	0.11
79	233	700.00	10.08	-16.91	0.85	4.45	-0.04	-0.03
79	233	753.33	12.86	-16.99	0.89	7.65	0.16	9.67e-03
79	233	806.67	8.21	-21.78	-0.04	9.98	0.25	-0.01
79	233	860.00	14.22	-21.37	0.08	17.57	0.24	-2.10e-03
79	233	910.00	19.88	-20.78	9.28e-03	25.46	0.26	7.81e-03
79	233	960.00	27.89	-20.35	-0.06	33.31	0.33	0.01
79	233	1010.00	17.52	0.78	-0.24	25.52	0.21	0.02
79	233	1060.00	3.88	0.61	-0.29	9.51	0.07	0.02
79	235	700.00	4.85	-18.26	0.38	-2.11	-0.03	0.04
79	235	753.33	8.91	-21.11	0.52	1.59	0.05	0.06
79	235	806.67	3.47	-27.96	-0.48	4.56	0.01	0.01
79	235	860.00	9.97	-27.49	-0.10	12.70	-0.16	5.60e-03
79	235	910.00	15.12	-26.80	-0.02	20.16	-0.19	-5.72e-03

79	235	960.00	18.50	-26.37	0.04	27.53	-0.11	-0.02
79	235	1010.00	11.12	-2.92	0.07	21.14	-0.13	-0.04
79	235	1060.00	2.43	-1.67	0.24	8.20	-0.06	-0.03
79	236	700.00	-34.64	12.58	-0.26	-13.04	-0.47	-0.10
79	236	753.33	-36.84	12.41	-0.30	-13.65	-0.36	-0.02
79	236	806.67	-30.21	14.82	0.25	-13.61	-0.33	0.02
79	236	860.00	-33.02	14.40	8.20e-03	-18.96	-0.28	0.01
79	236	910.00	-35.60	13.81	0.04	-24.79	-0.27	-4.95e-04
79	236	960.00	-40.63	13.39	0.08	-30.53	-0.33	-6.30e-03
79	236	1010.00	-27.52	-6.86	0.24	-21.31	-0.21	-0.01
79	236	1060.00	-11.58	-4.21	0.29	-5.43	-0.07	-0.02
79	259	700.00	-15.79	-2.95	0.32	-5.20	-0.27	-0.07
79	259	753.33	-15.51	-3.14	0.32	-3.49	-0.10	-2.43e-03
79	259	806.67	-14.37	-4.87	0.09	-1.77	-0.05	1.78e-03
79	259	860.00	-12.39	-4.87	0.04	-0.22	-0.03	4.21e-03
79	259	910.00	-10.51	-4.87	0.02	1.23	-0.01	4.62e-03
79	259	960.00	-8.71	-4.87	0.02	2.73	-4.74e-03	4.72e-03
79	259	1010.00	-7.21	-4.58	9.87e-03	3.81	1.95e-04	4.59e-03
79	259	1060.00	-6.07	-2.84	-3.90e-04	3.58	0.0	2.66e-03
79	268	700.00	-14.59	-3.31	0.39	-5.66	-0.33	-0.08
79	268	753.33	-14.29	-3.50	0.39	-3.75	-0.13	-3.21e-03
79	268	806.67	-12.98	-5.21	0.13	-1.93	-0.05	3.61e-03
79	268	860.00	-10.95	-5.22	0.06	-0.24	-0.02	5.33e-03
79	268	910.00	-9.01	-5.22	0.03	1.33	-9.34e-03	4.81e-03
79	268	960.00	-7.14	-5.22	0.02	2.94	-1.36e-03	4.18e-03
79	268	1010.00	-5.88	-4.15	3.16e-03	3.58	2.23e-04	3.69e-03
79	268	1060.00	-5.00	-2.49	-4.46e-04	3.09	0.0	2.41e-03
79	273	700.00	-9.98	-2.02	0.17	-2.52	-0.14	-0.03
79	273	753.33	-9.71	-2.15	0.18	-1.30	-0.04	9.00e-04
79	273	806.67	-8.89	-3.19	0.04	-0.17	-0.02	1.37e-03
79	273	860.00	-7.39	-3.19	0.02	0.87	-9.12e-03	2.40e-03
79	273	910.00	-5.95	-3.19	0.01	1.85	-3.10e-03	2.31e-03
79	273	960.00	-4.58	-3.20	7.96e-03	2.86	8.80e-04	2.04e-03
79	273	1010.00	-3.84	-2.26	2.60e-03	2.97	2.18e-03	1.70e-03
79	273	1060.00	-3.37	-1.35	-4.36e-03	2.32	0.0	6.90e-04
79	279	700.00	-13.62	-2.48	0.38	-5.48	-0.34	-0.08
79	279	753.33	-13.32	-2.62	0.38	-4.01	-0.14	-5.61e-03
79	279	806.67	-12.16	-3.98	0.14	-2.69	-0.06	3.78e-03
79	279	860.00	-10.42	-3.98	0.06	-1.42	-0.02	5.19e-03
79	279	910.00	-8.74	-3.98	0.03	-0.25	-0.01	4.53e-03
79	279	960.00	-7.11	-3.98	0.02	0.94	-2.79e-03	3.91e-03
79	279	1010.00	-5.49	-3.55	2.31e-03	1.87	-1.63e-03	3.55e-03
79	279	1060.00	-4.09	-2.09	3.27e-03	1.98	0.0	2.67e-03
79	298	700.00	-12.57	-2.29	0.32	-4.59	-0.28	-0.07
79	298	753.33	-12.28	-2.42	0.32	-3.23	-0.11	-3.80e-03
79	298	806.67	-11.24	-3.67	0.11	-1.99	-0.05	3.09e-03
79	298	860.00	-9.59	-3.67	0.05	-0.81	-0.02	4.37e-03
79	298	910.00	-8.00	-3.67	0.02	0.28	-8.19e-03	3.87e-03
79	298	960.00	-6.46	-3.67	0.01	1.39	-1.73e-03	3.35e-03
79	298	1010.00	-5.06	-3.17	2.50e-03	2.12	-4.83e-04	3.00e-03
79	298	1060.00	-3.90	-1.87	9.65e-04	2.05	0.0	2.07e-03
79	301	700.00	-12.85	-2.27	0.30	-4.36	-0.26	-0.06
79	301	753.33	-12.56	-2.41	0.30	-3.01	-0.10	-2.95e-03
79	301	806.67	-11.57	-3.67	0.10	-1.74	-0.04	2.95e-03
79	301	860.00	-9.93	-3.68	0.05	-0.55	-0.02	4.21e-03
79	301	910.00	-8.36	-3.67	0.02	0.55	-7.40e-03	3.78e-03
79	301	960.00	-6.83	-3.67	0.01	1.67	-1.03e-03	3.29e-03
79	301	1010.00	-5.45	-3.29	3.42e-03	2.46	6.78e-04	2.91e-03
79	301	1060.00	-4.31	-1.97	-1.36e-03	2.36	0.0	1.76e-03
79	306	700.00	-10.39	-1.53	0.17	-2.51	-0.14	-0.03
79	306	753.33	-10.12	-1.63	0.17	-1.56	-0.05	-3.46e-04
79	306	806.67	-9.44	-2.52	0.05	-0.66	-0.02	1.64e-03
79	306	860.00	-8.10	-2.52	0.02	0.16	-9.88e-03	2.51e-03
79	306	910.00	-6.81	-2.52	0.01	0.92	-3.60e-03	2.36e-03
79	306	960.00	-5.57	-2.52	8.19e-03	1.71	4.92e-04	2.07e-03
79	306	1010.00	-4.48	-2.28	3.50e-03	2.23	2.24e-03	1.75e-03
79	306	1060.00	-3.56	-1.38	-4.48e-03	2.04	0.0	6.79e-04
79	309	700.00	-10.49	-1.41	0.17	-2.51	-0.14	-0.03
79	309	753.33	-10.23	-1.51	0.17	-1.62	-0.05	-6.58e-04
79	309	806.67	-9.57	-2.36	0.05	-0.79	-0.02	1.71e-03
79	309	860.00	-8.28	-2.36	0.02	-0.02	-0.01	2.54e-03
79	309	910.00	-7.03	-2.36	0.01	0.69	-3.73e-03	2.37e-03
79	309	960.00	-5.82	-2.35	8.24e-03	1.42	3.95e-04	2.08e-03
79	309	1010.00	-4.65	-2.29	3.72e-03	2.05	2.26e-03	1.77e-03
79	309	1060.00	-3.61	-1.38	-4.51e-03	1.97	0.0	6.76e-04

79	310	700.00	-12.28	-2.16	0.30	-4.30	-0.26	-0.06
79	310	753.33	-11.99	-2.29	0.30	-3.00	-0.10	-3.35e-03
79	310	806.67	-11.00	-3.48	0.11	-1.82	-0.04	2.89e-03
79	310	860.00	-9.40	-3.48	0.05	-0.70	-0.02	4.10e-03
79	310	910.00	-7.86	-3.48	0.02	0.34	-7.55e-03	3.66e-03
79	310	960.00	-6.37	-3.48	0.01	1.39	-1.43e-03	3.17e-03
79	310	1010.00	-5.00	-3.04	2.67e-03	2.11	-9.13e-05	2.83e-03
79	310	1060.00	-3.85	-1.80	1.83e-04	2.04	0.0	1.87e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-40.63	-27.96	-1.16	-30.53	-0.49	-0.23
	27.89	14.82	1.25	33.31	1.02	0.11

Macro	Tipo	Angolo 1-Z (gradi)
80	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
80	44	700.00	-5.15	0.50	-0.38	0.76	0.04	-0.04
80	44	753.33	-5.84	0.48	-0.53	0.32	-0.20	-0.04
80	44	806.67	-5.42	0.43	-0.13	0.11	-0.20	-0.03
80	44	860.00	-4.69	0.42	-0.14	2.38e-03	-0.12	-0.02
80	44	910.00	-3.91	0.43	-0.19	-0.08	-0.08	-0.01
80	44	960.00	-3.12	0.44	-0.25	-0.16	-0.06	-2.17e-03
80	44	1010.00	-2.39	0.47	-0.29	-0.27	-0.07	0.01
80	44	1060.00	-1.96	0.49	0.19	-0.47	0.0	0.06
80	52	700.00	-6.16	0.75	-0.27	1.15	0.01	-9.15e-04
80	52	753.33	-6.99	0.70	-0.20	0.55	-0.11	5.79e-03
80	52	806.67	-6.47	0.62	0.12	0.26	-0.12	-4.62e-03
80	52	860.00	-5.57	0.60	0.13	0.10	-0.05	-2.42e-03
80	52	910.00	-4.59	0.59	0.09	-0.02	3.04e-03	-8.35e-04
80	52	960.00	-3.61	0.61	0.05	-0.13	0.04	-2.13e-04
80	52	1010.00	-2.66	0.63	-0.05	-0.26	0.04	3.14e-03
80	52	1060.00	-2.13	0.65	-0.07	-0.52	0.0	5.50e-03
80	93	700.00	-2.20	0.08	-0.06	0.13	-1.66e-03	8.99e-04
80	93	753.33	-2.52	0.08	-0.05	4.40e-03	-0.03	1.85e-03
80	93	806.67	-2.33	0.08	0.04	-0.04	-0.03	-1.23e-03
80	93	860.00	-2.02	0.09	0.04	-0.07	-9.05e-03	-7.41e-04
80	93	910.00	-1.70	0.09	0.03	-0.08	8.47e-03	-4.35e-04
80	93	960.00	-1.38	0.10	0.02	-0.10	0.02	-3.12e-04
80	93	1010.00	-1.09	0.12	-0.03	-0.14	0.02	1.09e-03
80	93	1060.00	-0.87	0.13	-0.04	-0.20	0.0	2.16e-03
80	123	700.00	-7.88	0.76	-0.56	1.41	0.21	-0.06
80	123	753.33	-8.35	0.75	-0.53	1.11	0.15	-8.42e-03
80	123	806.67	-7.60	0.60	-0.10	0.86	-0.02	-6.00e-03
80	123	860.00	-6.59	0.64	5.87e-03	0.67	-0.03	-2.46e-03
80	123	910.00	-5.47	0.72	0.02	0.49	-0.03	-5.74e-04
80	123	960.00	-4.24	0.81	0.01	0.31	-0.02	7.47e-04
80	123	1010.00	-2.92	0.91	-0.01	0.09	-0.02	2.71e-03
80	123	1060.00	-1.70	0.99	0.03	-0.21	-0.02	2.25e-03
80	137	700.00	-20.60	1.92	-0.17	3.09	0.02	-4.60e-03
80	137	753.33	-21.07	1.90	-0.14	2.80	-0.05	2.25e-03
80	137	806.67	-18.91	1.82	0.06	2.30	-0.06	-1.96e-03
80	137	860.00	-16.40	1.95	0.07	1.88	-0.03	5.86e-04
80	137	910.00	-13.61	2.21	0.05	1.47	2.85e-03	1.51e-03
80	137	960.00	-10.50	2.54	0.02	1.01	0.02	1.79e-03
80	137	1010.00	-7.02	2.87	-0.03	0.49	0.02	3.34e-03
80	137	1060.00	-3.26	3.14	-0.04	-0.20	9.71e-04	3.42e-03
80	140	700.00	13.94	-1.26	-0.11	-2.05	-6.78e-03	4.22e-03
80	140	753.33	13.47	-1.28	-0.07	-2.34	-0.07	4.04e-03
80	140	806.67	11.91	-1.27	0.06	-2.10	-0.07	-2.94e-03
80	140	860.00	10.38	-1.41	0.07	-1.83	-0.03	-3.18e-03
80	140	910.00	8.66	-1.67	0.05	-1.52	-8.62e-04	-2.41e-03
80	140	960.00	6.62	-1.98	0.02	-1.17	0.02	-2.01e-03
80	140	1010.00	4.17	-2.29	-0.02	-0.77	0.02	-4.24e-05
80	140	1060.00	1.05	-2.54	-0.03	-0.32	-9.71e-04	2.34e-03
80	155	700.00	-8.48	0.82	-0.62	1.52	0.24	-0.07
80	155	753.33	-8.95	0.80	-0.58	1.23	0.17	-9.85e-03
80	155	806.67	-8.14	0.64	-0.12	0.96	-8.88e-03	-6.44e-03
80	155	860.00	-7.07	0.69	-1.69e-03	0.75	-0.03	-2.60e-03
80	155	910.00	-5.87	0.78	0.02	0.56	-0.03	-5.84e-04
80	155	960.00	-4.55	0.89	0.01	0.36	-0.02	8.56e-04

80	155	1010.00	-3.12	1.00	-0.01	0.12	-0.02	2.85e-03
80	155	1060.00	-1.78	1.08	0.04	-0.20	-0.02	2.17e-03
80	169	700.00	-22.87	2.13	-0.18	3.43	0.02	-5.22e-03
80	169	753.33	-23.34	2.11	-0.14	3.14	-0.05	2.13e-03
80	169	806.67	-20.93	2.02	0.06	2.59	-0.06	-1.90e-03
80	169	860.00	-18.15	2.17	0.07	2.12	-0.03	8.28e-04
80	169	910.00	-15.07	2.47	0.05	1.66	3.08e-03	1.76e-03
80	169	960.00	-11.62	2.83	0.02	1.16	0.02	2.04e-03
80	169	1010.00	-7.76	3.21	-0.03	0.57	0.02	3.55e-03
80	169	1060.00	-3.54	3.51	-0.04	-0.19	1.07e-03	3.48e-03
80	172	700.00	16.20	-1.47	-0.10	-2.38	-8.46e-03	4.84e-03
80	172	753.33	15.73	-1.49	-0.07	-2.68	-0.07	4.17e-03
80	172	806.67	13.93	-1.47	0.07	-2.39	-0.07	-3.00e-03
80	172	860.00	12.14	-1.63	0.07	-2.07	-0.03	-3.43e-03
80	172	910.00	10.12	-1.93	0.05	-1.72	-1.09e-03	-2.66e-03
80	172	960.00	7.74	-2.28	0.02	-1.31	0.01	-2.26e-03
80	172	1010.00	4.90	-2.63	-0.02	-0.85	0.02	-2.58e-04
80	172	1060.00	1.33	-2.92	-0.03	-0.33	-1.07e-03	2.27e-03
80	187	700.00	-8.65	0.83	-0.61	1.55	0.23	-0.07
80	187	753.33	-9.12	0.82	-0.57	1.26	0.17	-9.63e-03
80	187	806.67	-8.30	0.66	-0.11	0.98	-9.38e-03	-6.34e-03
80	187	860.00	-7.21	0.71	-6.38e-04	0.77	-0.03	-2.53e-03
80	187	910.00	-5.99	0.80	0.02	0.58	-0.03	-5.41e-04
80	187	960.00	-4.65	0.91	0.01	0.37	-0.02	8.58e-04
80	187	1010.00	-3.19	1.03	-0.01	0.13	-0.02	2.83e-03
80	187	1060.00	-1.82	1.12	0.04	-0.20	-0.02	2.17e-03
80	193	700.00	-22.81	2.01	-0.26	3.44	0.07	-0.02
80	193	753.33	-23.28	1.99	-0.23	3.15	3.31e-03	2.36e-03
80	193	806.67	-21.00	1.93	0.02	2.62	-0.04	3.06e-04
80	193	860.00	-18.31	2.12	0.05	2.17	-0.01	2.13e-03
80	193	910.00	-15.27	2.46	0.04	1.72	0.01	2.51e-03
80	193	960.00	-11.80	2.87	0.02	1.21	0.02	2.21e-03
80	193	1010.00	-7.88	3.28	-0.03	0.60	0.02	2.37e-03
80	193	1060.00	-3.58	3.61	-0.04	-0.17	7.34e-04	2.08e-03
80	201	700.00	-23.36	2.17	-0.18	3.51	0.02	-5.47e-03
80	201	753.33	-23.83	2.15	-0.14	3.21	-0.05	2.06e-03
80	201	806.67	-21.37	2.06	0.06	2.65	-0.06	-1.91e-03
80	201	860.00	-18.54	2.21	0.07	2.18	-0.03	8.52e-04
80	201	910.00	-15.40	2.52	0.05	1.71	3.08e-03	1.79e-03
80	201	960.00	-11.87	2.90	0.02	1.19	0.02	2.07e-03
80	201	1010.00	-7.92	3.29	-0.03	0.59	0.02	3.56e-03
80	201	1060.00	-3.60	3.60	-0.04	-0.18	9.15e-04	3.49e-03
80	204	700.00	16.69	-1.51	-0.10	-2.46	-9.23e-03	5.09e-03
80	204	753.33	16.22	-1.53	-0.07	-2.75	-0.08	4.23e-03
80	204	806.67	14.37	-1.51	0.07	-2.46	-0.07	-2.99e-03
80	204	860.00	12.53	-1.68	0.07	-2.13	-0.03	-3.45e-03
80	204	910.00	10.44	-1.99	0.05	-1.76	-1.10e-03	-2.69e-03
80	204	960.00	7.99	-2.35	0.02	-1.35	0.02	-2.29e-03
80	204	1010.00	5.07	-2.71	-0.02	-0.87	0.02	-2.65e-04
80	204	1060.00	1.40	-3.00	-0.03	-0.34	-9.15e-04	2.26e-03
80	219	700.00	-9.74	0.93	-0.69	1.75	0.27	-0.08
80	219	753.33	-10.21	0.92	-0.65	1.46	0.21	-0.01
80	219	806.67	-9.28	0.74	-0.14	1.15	1.77e-04	-6.95e-03
80	219	860.00	-8.07	0.80	-0.01	0.92	-0.03	-2.70e-03
80	219	910.00	-6.72	0.91	0.01	0.70	-0.03	-5.27e-04
80	219	960.00	-5.21	1.05	9.43e-03	0.46	-0.03	1.04e-03
80	219	1010.00	-3.55	1.18	-0.01	0.18	-0.03	3.03e-03
80	219	1060.00	-1.96	1.29	0.05	-0.19	-0.02	2.04e-03
80	225	700.00	-26.76	2.35	-0.29	4.04	0.08	-0.02
80	225	753.33	-27.23	2.33	-0.25	3.75	0.02	2.18e-03
80	225	806.67	-24.56	2.27	0.02	3.14	-0.04	8.30e-04
80	225	860.00	-21.42	2.50	0.05	2.61	-8.56e-03	2.81e-03
80	225	910.00	-17.87	2.91	0.04	2.07	0.01	3.10e-03
80	225	960.00	-13.81	3.40	0.02	1.47	0.02	2.66e-03
80	225	1010.00	-9.20	3.90	-0.03	0.75	0.02	2.50e-03
80	225	1060.00	-4.09	4.29	-0.04	-0.16	7.65e-04	1.89e-03
80	233	700.00	-27.15	2.51	-0.19	4.07	0.02	-6.55e-03
80	233	753.33	-27.62	2.50	-0.15	3.78	-0.04	1.83e-03
80	233	806.67	-24.77	2.40	0.06	3.14	-0.06	-1.82e-03
80	233	860.00	-21.49	2.58	0.07	2.58	-0.02	1.25e-03
80	233	910.00	-17.85	2.95	0.05	2.04	3.47e-03	2.21e-03
80	233	960.00	-13.76	3.40	0.02	1.43	0.02	2.47e-03
80	233	1010.00	-9.15	3.86	-0.03	0.73	0.02	3.90e-03
80	233	1060.00	-4.08	4.22	-0.05	-0.17	1.02e-03	3.60e-03
80	236	700.00	20.49	-1.86	-0.10	-3.03	-0.01	6.17e-03

80	236	753.33	20.02	-1.87	-0.06	-3.32	-0.08	4.46e-03
80	236	806.67	17.76	-1.84	0.07	-2.94	-0.07	-3.08e-03
80	236	860.00	15.47	-2.05	0.07	-2.54	-0.03	-3.84e-03
80	236	910.00	12.90	-2.41	0.05	-2.09	-1.48e-03	-3.11e-03
80	236	960.00	9.88	-2.85	0.02	-1.59	0.01	-2.69e-03
80	236	1010.00	6.30	-3.27	-0.02	-1.01	0.02	-6.09e-04
80	236	1060.00	1.87	-3.63	-0.03	-0.35	-1.02e-03	2.15e-03
80	264	700.00	-3.70	0.35	-0.26	0.54	0.03	-0.03
80	264	753.33	-4.21	0.34	-0.35	0.22	-0.13	-0.03
80	264	806.67	-3.90	0.30	-0.08	0.08	-0.14	-0.02
80	264	860.00	-3.37	0.29	-0.09	8.16e-05	-0.08	-0.01
80	264	910.00	-2.81	0.30	-0.12	-0.06	-0.05	-7.57e-03
80	264	960.00	-2.24	0.31	-0.17	-0.12	-0.04	-1.47e-03
80	264	1010.00	-1.71	0.33	-0.19	-0.19	-0.05	8.71e-03
80	264	1060.00	-1.39	0.34	0.12	-0.34	0.0	0.04
80	268	700.00	-4.38	0.51	-0.19	0.80	7.57e-03	-4.99e-04
80	268	753.33	-4.97	0.48	-0.14	0.38	-0.08	4.02e-03
80	268	806.67	-4.60	0.43	0.08	0.18	-0.08	-3.17e-03
80	268	860.00	-3.96	0.41	0.09	0.07	-0.03	-1.67e-03
80	268	910.00	-3.27	0.41	0.06	-0.02	2.99e-03	-5.93e-04
80	268	960.00	-2.57	0.42	0.03	-0.09	0.03	-1.70e-04
80	268	1010.00	-1.90	0.44	-0.04	-0.19	0.03	2.20e-03
80	268	1060.00	-1.51	0.45	-0.05	-0.37	0.0	3.87e-03
80	285	700.00	-2.44	0.13	-0.07	0.22	-1.10e-03	8.09e-04
80	285	753.33	-2.80	0.13	-0.05	0.05	-0.03	1.98e-03
80	285	806.67	-2.58	0.12	0.04	-0.01	-0.03	-1.35e-03
80	285	860.00	-2.24	0.12	0.04	-0.05	-0.01	-7.99e-04
80	285	910.00	-1.88	0.13	0.03	-0.07	8.82e-03	-4.55e-04
80	285	960.00	-1.52	0.14	0.02	-0.10	0.02	-3.20e-04
80	285	1010.00	-1.18	0.16	-0.03	-0.14	0.02	1.18e-03
80	285	1060.00	-0.95	0.16	-0.04	-0.22	0.0	2.32e-03
80	301	700.00	-3.46	0.33	-0.14	0.53	4.29e-03	-2.09e-05
80	301	753.33	-3.95	0.32	-0.10	0.23	-0.06	3.19e-03
80	301	806.67	-3.64	0.28	0.06	0.09	-0.07	-2.45e-03
80	301	860.00	-3.14	0.28	0.07	0.01	-0.03	-1.32e-03
80	301	910.00	-2.60	0.28	0.05	-0.04	3.87e-03	-5.14e-04
80	301	960.00	-2.05	0.29	0.03	-0.09	0.02	-1.94e-04
80	301	1010.00	-1.54	0.31	-0.03	-0.16	0.02	1.74e-03
80	301	1060.00	-1.22	0.31	-0.04	-0.29	0.0	3.12e-03
80	305	700.00	-3.32	0.32	-0.16	0.52	9.99e-03	-5.48e-03
80	305	753.33	-3.78	0.31	-0.15	0.23	-0.07	-3.18e-03
80	305	806.67	-3.49	0.27	0.03	0.10	-0.08	-6.32e-03
80	305	860.00	-3.00	0.26	0.03	0.02	-0.04	-3.82e-03
80	305	910.00	-2.47	0.27	0.01	-0.03	-0.01	-1.84e-03
80	305	960.00	-1.93	0.27	-0.01	-0.08	5.61e-03	-3.46e-04
80	305	1010.00	-1.42	0.29	-0.06	-0.14	5.02e-03	3.00e-03
80	305	1060.00	-1.10	0.30	-1.02e-03	-0.26	0.0	0.01
80	307	700.00	-3.42	0.36	-0.14	0.57	5.14e-03	-2.36e-04
80	307	753.33	-3.90	0.34	-0.11	0.26	-0.06	3.13e-03
80	307	806.67	-3.60	0.30	0.06	0.12	-0.07	-2.44e-03
80	307	860.00	-3.09	0.29	0.07	0.04	-0.03	-1.29e-03
80	307	910.00	-2.54	0.29	0.05	-0.02	1.01e-03	-4.40e-04
80	307	960.00	-1.98	0.29	0.02	-0.07	0.02	-1.01e-04
80	307	1010.00	-1.45	0.31	-0.03	-0.14	0.02	1.65e-03
80	307	1060.00	-1.12	0.31	-0.04	-0.26	0.0	2.88e-03
80	308	700.00	-2.62	0.19	-0.07	0.32	-7.37e-04	7.14e-04
80	308	753.33	-3.00	0.18	-0.05	0.12	-0.03	1.95e-03
80	308	806.67	-2.77	0.16	0.04	0.03	-0.03	-1.34e-03
80	308	860.00	-2.40	0.16	0.04	-0.02	-0.01	-7.79e-04
80	308	910.00	-2.00	0.17	0.03	-0.05	8.86e-03	-4.35e-04
80	308	960.00	-1.60	0.18	0.02	-0.09	0.02	-3.03e-04
80	308	1010.00	-1.23	0.19	-0.03	-0.14	0.02	1.19e-03
80	308	1060.00	-0.97	0.20	-0.04	-0.23	0.0	2.32e-03
80	309	700.00	-2.66	0.20	-0.07	0.34	-6.47e-04	6.90e-04
80	309	753.33	-3.05	0.20	-0.05	0.13	-0.03	1.95e-03
80	309	806.67	-2.82	0.18	0.04	0.04	-0.03	-1.34e-03
80	309	860.00	-2.44	0.17	0.04	-0.01	-0.01	-7.74e-04
80	309	910.00	-2.03	0.18	0.03	-0.05	8.88e-03	-4.30e-04
80	309	960.00	-1.62	0.18	0.02	-0.09	0.02	-2.99e-04
80	309	1010.00	-1.24	0.20	-0.03	-0.14	0.02	1.19e-03
80	309	1060.00	-0.98	0.21	-0.04	-0.23	0.0	2.32e-03
80	310	700.00	-3.33	0.33	-0.14	0.52	4.96e-03	-1.89e-04
80	310	753.33	-3.80	0.31	-0.11	0.23	-0.06	3.15e-03
80	310	806.67	-3.50	0.28	0.06	0.10	-0.07	-2.45e-03
80	310	860.00	-3.01	0.27	0.07	0.02	-0.03	-1.30e-03

80	310	910.00	-2.48	0.27	0.05	-0.03	9.92e-04	-4.50e-04
80	310	960.00	-1.94	0.28	0.02	-0.08	0.02	-1.09e-04
80	310	1010.00	-1.43	0.29	-0.03	-0.14	0.02	1.65e-03
80	310	1060.00	-1.10	0.30	-0.04	-0.26	0.0	2.88e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-27.62	-3.63	-0.69	-3.32	-0.20	-0.08
	20.49	4.29	0.19	4.07	0.27	0.06

Macro	Tipo	Angolo 1-Z (gradi)
81	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
81	44	340.00	-30.55	-3.05	1.06	-2.94	0.09	-0.08
81	44	393.33	-31.82	-3.59	-0.27	-0.74	0.30	-0.07
81	44	393.33	-31.82	-3.59	-0.27	-0.74	0.30	-0.07
81	44	446.67	-28.95	-3.38	-0.44	0.25	0.22	-0.02
81	44	446.67	-28.95	-3.38	-0.44	0.25	0.22	-0.02
81	44	500.00	-25.56	-3.36	-0.39	1.02	0.11	-4.55e-03
81	44	550.00	-22.31	-3.39	-0.30	1.72	0.05	-1.04e-03
81	44	600.00	-19.19	-3.49	-0.30	2.49	0.01	-7.23e-03
81	44	650.00	-16.22	-3.73	-0.30	3.40	-0.03	-0.02
81	44	700.00	-14.56	-3.85	0.10	4.89	0.0	-0.04
81	52	340.00	-35.58	-3.57	0.04	-3.50	-0.03	-9.88e-03
81	52	393.33	-37.04	-4.14	0.05	-0.96	-7.71e-03	1.09e-04
81	52	393.33	-37.04	-4.14	0.05	-0.96	-7.71e-03	1.09e-04
81	52	446.67	-33.72	-3.93	0.07	0.16	0.02	5.93e-04
81	52	446.67	-33.72	-3.93	0.07	0.16	0.02	5.93e-04
81	52	500.00	-29.77	-3.96	0.10	1.05	0.07	1.48e-03
81	52	550.00	-25.96	-4.04	0.12	1.88	0.12	3.41e-03
81	52	600.00	-22.26	-4.18	5.50e-03	2.79	0.16	7.72e-04
81	52	650.00	-18.73	-4.48	-0.20	3.87	0.11	-5.64e-03
81	52	700.00	-16.80	-4.62	-0.20	5.65	0.0	-8.20e-03
81	93	340.00	-11.57	-0.95	0.01	-1.04	-8.71e-03	-2.36e-03
81	93	393.33	-12.24	-1.22	0.02	-0.24	-8.10e-04	4.91e-04
81	93	393.33	-12.24	-1.22	0.02	-0.24	-8.10e-04	4.91e-04
81	93	446.67	-11.19	-1.15	0.02	0.12	7.45e-03	4.41e-04
81	93	446.67	-11.19	-1.15	0.02	0.12	7.45e-03	4.41e-04
81	93	500.00	-9.92	-1.16	0.02	0.40	0.02	4.36e-04
81	93	550.00	-8.67	-1.20	0.03	0.66	0.03	6.28e-04
81	93	600.00	-7.45	-1.25	-1.84e-03	0.95	0.04	-3.98e-04
81	93	650.00	-6.29	-1.35	-0.05	1.30	0.03	-2.17e-03
81	93	700.00	-5.57	-1.40	-0.05	1.85	0.0	-2.48e-03
81	122	340.00	-6.93	-0.09	0.97	-1.46	-0.59	-0.13
81	122	393.33	-7.80	-0.43	0.98	-0.11	-0.57	-0.03
81	122	393.33	-7.80	-0.43	0.98	-0.11	-0.57	-0.03
81	122	446.67	-8.25	-0.47	0.52	0.34	-0.16	-3.28e-03
81	122	446.67	-8.25	-0.47	0.52	0.34	-0.16	-3.28e-03
81	122	500.00	-7.92	-0.61	0.39	0.64	0.06	4.95e-03
81	122	550.00	-7.39	-0.77	0.43	0.92	0.28	0.01
81	122	600.00	-6.74	-0.92	0.30	1.23	0.46	0.01
81	122	650.00	-6.26	-1.06	-0.34	1.67	0.45	-3.13e-03
81	122	700.00	-6.70	-1.16	-0.76	2.55	0.17	-9.98e-03
81	137	340.00	-53.58	-7.28	0.14	-4.42	-0.08	-0.02
81	137	393.33	-54.45	-7.63	0.14	-3.07	-0.07	-2.74e-03
81	137	393.33	-54.45	-7.63	0.14	-3.07	-0.07	-2.74e-03
81	137	446.67	-45.40	-6.99	0.13	-2.00	-9.56e-03	-8.26e-04
81	137	446.67	-45.40	-6.99	0.13	-2.00	-9.56e-03	-8.26e-04
81	137	500.00	-37.53	-6.64	0.20	-0.90	0.07	5.12e-03
81	137	550.00	-30.56	-6.31	0.25	0.15	0.18	0.01
81	137	600.00	-24.15	-6.06	0.16	1.17	0.28	0.01
81	137	650.00	-18.11	-5.94	-0.23	2.23	0.26	1.90e-03
81	137	700.00	-13.10	-5.56	-0.45	3.58	0.09	-3.12e-04
81	140	340.00	15.57	3.67	-0.09	0.75	0.05	7.30e-03
81	140	393.33	14.70	3.33	-0.09	2.09	0.06	3.16e-03
81	140	393.33	14.70	3.33	-0.09	2.09	0.06	3.16e-03
81	140	446.67	9.20	2.91	-0.06	2.21	0.03	1.65e-03
81	140	446.67	9.20	2.91	-0.06	2.21	0.03	1.65e-03
81	140	500.00	5.56	2.52	-0.10	2.05	1.73e-03	-3.59e-03
81	140	550.00	2.69	2.11	-0.14	1.87	-0.05	-7.48e-03
81	140	600.00	0.26	1.70	-0.15	1.81	-0.12	-0.01

81	140	650.00	-1.96	1.27	0.03	1.90	-0.15	-8.22e-03
81	140	700.00	-4.80	0.73	0.25	2.41	-0.09	-8.38e-03
81	154	340.00	-5.36	0.14	1.09	-1.41	-0.66	-0.14
81	154	393.33	-6.23	-0.20	1.09	-0.06	-0.64	-0.03
81	154	393.33	-6.23	-0.20	1.09	-0.06	-0.64	-0.03
81	154	446.67	-6.97	-0.27	0.58	0.37	-0.19	-3.75e-03
81	154	446.67	-6.97	-0.27	0.58	0.37	-0.19	-3.75e-03
81	154	500.00	-6.87	-0.42	0.43	0.65	0.07	5.46e-03
81	154	550.00	-6.54	-0.60	0.48	0.91	0.30	0.02
81	154	600.00	-6.07	-0.76	0.33	1.20	0.51	0.02
81	154	650.00	-5.77	-0.90	-0.38	1.63	0.50	-3.15e-03
81	154	700.00	-6.41	-1.00	-0.84	2.50	0.19	-0.01
81	161	340.00	-57.84	-8.00	0.02	-4.72	-0.03	-9.17e-04
81	161	393.33	-58.71	-8.35	0.02	-3.37	-0.02	2.98e-03
81	161	393.33	-58.71	-8.35	0.02	-3.37	-0.02	2.98e-03
81	161	446.67	-48.84	-7.64	0.09	-2.20	5.93e-03	6.49e-03
81	161	446.67	-48.84	-7.64	0.09	-2.20	5.93e-03	6.49e-03
81	161	500.00	-40.22	-7.22	0.16	-1.01	0.07	8.51e-03
81	161	550.00	-32.64	-6.81	0.25	0.12	0.17	0.01
81	161	600.00	-25.69	-6.49	0.15	1.20	0.27	0.01
81	161	650.00	-19.16	-6.33	-0.23	2.30	0.25	4.43e-03
81	161	700.00	-13.64	-5.87	-0.44	3.68	0.08	1.60e-03
81	169	340.00	-58.09	-8.00	0.15	-4.76	-0.09	-0.02
81	169	393.33	-58.96	-8.34	0.16	-3.41	-0.08	-3.12e-03
81	169	393.33	-58.96	-8.34	0.16	-3.41	-0.08	-3.12e-03
81	169	446.67	-48.96	-7.64	0.14	-2.28	-0.01	-9.61e-04
81	169	446.67	-48.96	-7.64	0.14	-2.28	-0.01	-9.61e-04
81	169	500.00	-40.34	-7.24	0.22	-1.09	0.07	5.66e-03
81	169	550.00	-32.73	-6.86	0.28	0.04	0.19	0.01
81	169	600.00	-25.74	-6.56	0.18	1.13	0.31	0.01
81	169	650.00	-19.17	-6.41	-0.25	2.25	0.29	2.55e-03
81	169	700.00	-13.65	-5.97	-0.50	3.66	0.10	2.05e-04
81	172	340.00	20.08	4.39	-0.11	1.08	0.06	8.85e-03
81	172	393.33	19.21	4.04	-0.10	2.43	0.07	3.54e-03
81	172	393.33	19.21	4.04	-0.10	2.43	0.07	3.54e-03
81	172	446.67	12.76	3.56	-0.07	2.49	0.04	1.78e-03
81	172	446.67	12.76	3.56	-0.07	2.49	0.04	1.78e-03
81	172	500.00	8.37	3.12	-0.12	2.24	-2.40e-03	-4.13e-03
81	172	550.00	4.87	2.66	-0.16	1.98	-0.07	-8.64e-03
81	172	600.00	1.86	2.21	-0.17	1.85	-0.15	-0.01
81	172	650.00	-0.91	1.74	0.05	1.87	-0.18	-8.87e-03
81	172	700.00	-4.26	1.14	0.30	2.33	-0.10	-8.90e-03
81	186	340.00	-5.07	0.20	1.07	-1.37	-0.65	-0.14
81	186	393.33	-5.94	-0.14	1.08	-0.03	-0.63	-0.03
81	186	393.33	-5.94	-0.14	1.08	-0.03	-0.63	-0.03
81	186	446.67	-6.74	-0.21	0.57	0.40	-0.19	-3.73e-03
81	186	446.67	-6.74	-0.21	0.57	0.40	-0.19	-3.73e-03
81	186	500.00	-6.69	-0.37	0.43	0.67	0.07	5.32e-03
81	186	550.00	-6.40	-0.56	0.47	0.92	0.30	0.02
81	186	600.00	-5.97	-0.73	0.33	1.20	0.50	0.02
81	186	650.00	-5.71	-0.87	-0.37	1.62	0.49	-3.35e-03
81	186	700.00	-6.37	-0.97	-0.83	2.49	0.18	-0.01
81	193	340.00	-58.99	-8.22	0.02	-4.81	-0.03	-7.11e-04
81	193	393.33	-59.86	-8.57	0.02	-3.46	-0.02	3.14e-03
81	193	393.33	-59.86	-8.57	0.02	-3.46	-0.02	3.14e-03
81	193	446.67	-49.78	-7.84	0.09	-2.26	5.41e-03	6.56e-03
81	193	446.67	-49.78	-7.84	0.09	-2.26	5.41e-03	6.56e-03
81	193	500.00	-40.99	-7.39	0.16	-1.04	0.07	8.59e-03
81	193	550.00	-33.23	-6.97	0.24	0.11	0.17	0.01
81	193	600.00	-26.14	-6.63	0.15	1.21	0.27	0.01
81	193	650.00	-19.47	-6.45	-0.23	2.32	0.25	4.60e-03
81	193	700.00	-13.82	-5.97	-0.43	3.72	0.08	1.73e-03
81	196	340.00	20.99	4.61	0.03	1.14	-4.71e-03	-9.33e-03
81	196	393.33	20.12	4.27	0.03	2.48	8.25e-03	-2.72e-03
81	196	393.33	20.12	4.27	0.03	2.48	8.25e-03	-2.72e-03
81	196	446.67	13.58	3.76	-0.02	2.47	0.02	-5.74e-03
81	196	446.67	13.58	3.76	-0.02	2.47	0.02	-5.74e-03
81	196	500.00	9.02	3.28	-0.06	2.19	2.41e-03	-7.06e-03
81	196	550.00	5.36	2.77	-0.13	1.91	-0.05	-0.01
81	196	600.00	2.26	2.28	-0.14	1.77	-0.11	-0.01
81	196	650.00	-0.61	1.78	0.03	1.80	-0.14	-0.01
81	196	700.00	-4.08	1.15	0.23	2.28	-0.08	-0.01
81	218	340.00	-2.36	0.60	1.24	-1.26	-0.75	-0.16
81	218	393.33	-3.22	0.26	1.25	0.08	-0.74	-0.04
81	218	393.33	-3.22	0.26	1.25	0.08	-0.74	-0.04

81	218	446.67	-4.53	0.15	0.65	0.47	-0.22	-4.46e-03
81	218	446.67	-4.53	0.15	0.65	0.47	-0.22	-4.46e-03
81	218	500.00	-4.90	-0.04	0.49	0.70	0.07	6.00e-03
81	218	550.00	-4.96	-0.25	0.54	0.91	0.34	0.02
81	218	600.00	-4.84	-0.44	0.38	1.16	0.57	0.02
81	218	650.00	-4.89	-0.58	-0.41	1.55	0.56	-3.48e-03
81	218	700.00	-5.89	-0.70	-0.95	2.40	0.21	-0.01
81	225	340.00	-67.11	-9.54	0.01	-5.42	-0.03	3.92e-04
81	225	393.33	-67.98	-9.88	0.02	-4.07	-0.02	3.80e-03
81	225	393.33	-67.98	-9.88	0.02	-4.07	-0.02	3.80e-03
81	225	446.67	-56.21	-9.02	0.10	-2.74	4.31e-03	7.75e-03
81	225	446.67	-56.21	-9.02	0.10	-2.74	4.31e-03	7.75e-03
81	225	500.00	-46.07	-8.48	0.17	-1.37	0.07	0.01
81	225	550.00	-37.16	-7.96	0.28	-0.07	0.19	0.02
81	225	600.00	-29.03	-7.54	0.17	1.16	0.30	0.02
81	225	650.00	-21.40	-7.28	-0.25	2.38	0.29	6.14e-03
81	225	700.00	-14.82	-6.70	-0.49	3.87	0.10	2.93e-03
81	228	340.00	29.10	5.92	0.03	1.74	-3.02e-03	-0.01
81	228	393.33	28.23	5.58	0.03	3.09	9.94e-03	-3.38e-03
81	228	393.33	28.23	5.58	0.03	3.09	9.94e-03	-3.38e-03
81	228	446.67	20.01	4.94	-0.03	2.95	0.02	-6.92e-03
81	228	446.67	20.01	4.94	-0.03	2.95	0.02	-6.92e-03
81	228	500.00	14.10	4.37	-0.08	2.51	-3.13e-03	-8.54e-03
81	228	550.00	9.29	3.76	-0.16	2.08	-0.06	-0.01
81	228	600.00	5.15	3.19	-0.17	1.82	-0.14	-0.02
81	228	650.00	1.32	2.61	0.05	1.74	-0.18	-0.01
81	228	700.00	-3.08	1.87	0.29	2.12	-0.10	-0.01
81	264	340.00	-21.56	-2.13	0.71	-2.06	0.06	-0.06
81	264	393.33	-22.48	-2.52	-0.18	-0.52	0.20	-0.04
81	264	393.33	-22.48	-2.52	-0.18	-0.52	0.20	-0.04
81	264	446.67	-20.45	-2.37	-0.29	0.18	0.15	-0.01
81	264	446.67	-20.45	-2.37	-0.29	0.18	0.15	-0.01
81	264	500.00	-18.06	-2.36	-0.26	0.72	0.08	-2.99e-03
81	264	550.00	-15.76	-2.38	-0.20	1.21	0.04	-6.21e-04
81	264	600.00	-13.54	-2.45	-0.20	1.75	0.01	-4.84e-03
81	264	650.00	-11.43	-2.62	-0.21	2.39	-0.02	-0.01
81	264	700.00	-10.25	-2.70	0.06	3.44	0.0	-0.03
81	268	340.00	-24.92	-2.48	0.03	-2.44	-0.02	-6.81e-03
81	268	393.33	-25.97	-2.88	0.04	-0.66	-5.21e-03	1.03e-04
81	268	393.33	-25.97	-2.88	0.04	-0.66	-5.21e-03	1.03e-04
81	268	446.67	-23.63	-2.74	0.05	0.12	0.02	4.25e-04
81	268	446.67	-23.63	-2.74	0.05	0.12	0.02	4.25e-04
81	268	500.00	-20.86	-2.76	0.07	0.74	0.05	1.03e-03
81	268	550.00	-18.19	-2.81	0.08	1.31	0.08	2.35e-03
81	268	600.00	-15.59	-2.91	3.44e-03	1.95	0.11	5.03e-04
81	268	650.00	-13.11	-3.12	-0.14	2.70	0.08	-3.93e-03
81	268	700.00	-11.74	-3.22	-0.14	3.94	0.0	-5.67e-03
81	285	340.00	-12.73	-1.09	0.02	-1.16	-9.69e-03	-2.71e-03
81	285	393.33	-13.43	-1.36	0.02	-0.27	-1.09e-03	4.28e-04
81	285	393.33	-13.43	-1.36	0.02	-0.27	-1.09e-03	4.28e-04
81	285	446.67	-12.26	-1.29	0.02	0.12	8.33e-03	4.11e-04
81	285	446.67	-12.26	-1.29	0.02	0.12	8.33e-03	4.11e-04
81	285	500.00	-10.85	-1.30	0.03	0.43	0.02	4.78e-04
81	285	550.00	-9.47	-1.33	0.03	0.72	0.04	7.94e-04
81	285	600.00	-8.14	-1.39	-1.49e-03	1.03	0.05	-2.77e-04
81	285	650.00	-6.86	-1.50	-0.06	1.41	0.03	-2.25e-03
81	285	700.00	-6.08	-1.56	-0.06	2.02	0.0	-2.70e-03
81	298	340.00	-19.95	-1.91	0.02	-1.94	-0.02	-5.37e-03
81	298	393.33	-20.85	-2.27	0.03	-0.52	-4.11e-03	1.99e-04
81	298	393.33	-20.85	-2.27	0.03	-0.52	-4.11e-03	1.99e-04
81	298	446.67	-18.99	-2.15	0.04	0.10	0.01	4.28e-04
81	298	446.67	-18.99	-2.15	0.04	0.10	0.01	4.28e-04
81	298	500.00	-16.77	-2.17	0.05	0.60	0.04	8.11e-04
81	298	550.00	-14.62	-2.22	0.06	1.06	0.06	1.73e-03
81	298	600.00	-12.53	-2.30	2.59e-03	1.57	0.09	1.87e-04
81	298	650.00	-10.54	-2.46	-0.11	2.16	0.06	-3.34e-03
81	298	700.00	-9.41	-2.54	-0.11	3.15	0.0	-4.62e-03
81	305	340.00	-19.04	-1.82	0.16	-1.84	-1.09e-03	-0.02
81	305	393.33	-19.90	-2.17	-0.01	-0.48	0.04	-8.70e-03
81	305	393.33	-19.90	-2.17	-0.01	-0.48	0.04	-8.70e-03
81	305	446.67	-18.12	-2.05	-0.03	0.11	0.04	-2.52e-03
81	305	446.67	-18.12	-2.05	-0.03	0.11	0.04	-2.52e-03
81	305	500.00	-15.99	-2.06	-0.01	0.58	0.04	-7.70e-06
81	305	550.00	-13.94	-2.10	5.28e-03	1.02	0.05	1.13e-03
81	305	600.00	-11.95	-2.17	-0.04	1.50	0.07	-8.40e-04

81	305	650.00	-10.05	-2.33	-0.12	2.07	0.04	-5.11e-03
81	305	700.00	-8.96	-2.41	-0.07	3.00	0.0	-8.44e-03
81	308	340.00	-13.20	-1.17	0.02	-1.21	-9.96e-03	-2.86e-03
81	308	393.33	-13.89	-1.42	0.02	-0.29	-1.29e-03	3.09e-04
81	308	393.33	-13.89	-1.42	0.02	-0.29	-1.29e-03	3.09e-04
81	308	446.67	-12.66	-1.35	0.02	0.11	8.74e-03	3.33e-04
81	308	446.67	-12.66	-1.35	0.02	0.11	8.74e-03	3.33e-04
81	308	500.00	-11.18	-1.36	0.03	0.43	0.02	4.88e-04
81	308	550.00	-9.73	-1.39	0.03	0.72	0.04	9.31e-04
81	308	600.00	-8.34	-1.45	-1.14e-03	1.04	0.05	-9.62e-05
81	308	650.00	-7.00	-1.56	-0.06	1.43	0.03	-2.13e-03
81	308	700.00	-6.19	-1.61	-0.06	2.06	0.0	-2.68e-03
81	309	340.00	-13.32	-1.19	0.01	-1.23	-0.01	-2.90e-03
81	309	393.33	-14.01	-1.43	0.02	-0.29	-1.33e-03	2.79e-04
81	309	393.33	-14.01	-1.43	0.02	-0.29	-1.33e-03	2.79e-04
81	309	446.67	-12.76	-1.36	0.02	0.11	8.84e-03	3.14e-04
81	309	446.67	-12.76	-1.36	0.02	0.11	8.84e-03	3.14e-04
81	309	500.00	-11.26	-1.37	0.03	0.43	0.02	4.90e-04
81	309	550.00	-9.80	-1.41	0.04	0.72	0.04	9.65e-04
81	309	600.00	-8.39	-1.46	-1.05e-03	1.05	0.05	-5.10e-05
81	309	650.00	-7.03	-1.57	-0.06	1.44	0.03	-2.09e-03
81	309	700.00	-6.22	-1.63	-0.06	2.07	0.0	-2.68e-03
81	310	340.00	-19.00	-1.81	0.02	-1.84	-0.02	-5.02e-03
81	310	393.33	-19.87	-2.15	0.03	-0.49	-3.72e-03	2.10e-04
81	310	393.33	-19.87	-2.15	0.03	-0.49	-3.72e-03	2.10e-04
81	310	446.67	-18.10	-2.04	0.03	0.11	0.01	4.12e-04
81	310	446.67	-18.10	-2.04	0.03	0.11	0.01	4.12e-04
81	310	500.00	-15.98	-2.06	0.05	0.57	0.03	7.65e-04
81	310	550.00	-13.93	-2.10	0.06	1.01	0.06	1.62e-03
81	310	600.00	-11.94	-2.18	2.07e-03	1.49	0.08	1.53e-04
81	310	650.00	-10.04	-2.34	-0.10	2.06	0.05	-3.16e-03
81	310	700.00	-8.95	-2.41	-0.10	3.00	0.0	-4.35e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-67.98	-9.88	-0.95	-5.42	-0.75	-0.16
			29.10	5.92	1.25	5.65	0.57	0.02

Macro	Tipo	Angolo 1-Z (gradi)
82	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
82	42	700.00	-19.17	-2.23	-0.23	-1.95	-7.20e-05	0.02
82	42	753.33	-19.56	-2.15	-0.35	-0.66	-0.15	0.03
82	42	806.67	-17.03	-2.07	-0.18	-0.27	-0.16	0.02
82	42	860.00	-14.30	-2.06	-0.16	0.03	-0.12	0.01
82	42	910.00	-11.72	-2.08	-0.18	0.31	-0.10	2.10e-03
82	42	960.00	-9.18	-2.12	-0.21	0.62	-0.09	-7.21e-03
82	42	1010.00	-6.64	-2.20	-0.19	0.96	-0.08	-0.02
82	42	1060.00	-5.18	-2.24	0.20	1.70	0.0	-0.04
82	69	700.00	-10.65	-1.07	-0.04	-0.83	-0.02	-6.25e-03
82	69	753.33	-10.96	-1.05	-0.03	-0.16	-0.04	-2.39e-03
82	69	806.67	-9.53	-1.03	0.03	2.83e-03	-0.04	1.19e-03
82	69	860.00	-7.97	-1.03	0.04	0.12	-0.02	1.48e-03
82	69	910.00	-6.50	-1.05	0.03	0.24	7.79e-04	1.18e-03
82	69	960.00	-5.05	-1.08	0.01	0.37	0.01	9.52e-04
82	69	1010.00	-3.59	-1.12	-0.01	0.51	0.01	4.78e-04
82	69	1060.00	-2.72	-1.14	-0.02	0.88	0.0	-5.34e-04
82	76	700.00	-29.86	-3.84	-0.22	-3.51	-0.03	-0.01
82	76	753.33	-29.97	-3.67	-0.15	-1.47	-0.13	-7.31e-03
82	76	806.67	-25.82	-3.51	0.09	-0.86	-0.14	4.55e-03
82	76	860.00	-21.38	-3.47	0.12	-0.38	-0.08	5.00e-03
82	76	910.00	-17.21	-3.48	0.09	0.07	-0.02	3.34e-03
82	76	960.00	-13.10	-3.53	0.05	0.54	0.01	2.38e-03
82	76	1010.00	-8.96	-3.62	-0.02	1.03	0.02	1.61e-03
82	76	1060.00	-6.70	-3.65	-0.04	2.22	0.0	-7.55e-04
82	125	700.00	-8.29	-0.82	0.20	-0.16	-0.12	-0.05
82	125	753.33	-8.42	-0.74	0.24	0.93	-0.18	-0.02
82	125	806.67	-7.60	-0.69	0.13	1.04	-0.08	-7.05e-03
82	125	860.00	-6.33	-0.65	0.11	1.06	-8.54e-03	1.61e-03
82	125	910.00	-5.15	-0.58	0.09	1.04	0.04	4.30e-03
82	125	960.00	-4.00	-0.52	0.05	1.02	0.08	6.55e-03

82	125	1010.00	-2.82	-0.47	-0.03	0.96	0.09	8.41e-03
82	125	1060.00	-2.76	-0.42	-0.16	1.26	0.04	7.47e-03
82	132	700.00	-27.28	-3.67	-0.19	-6.36	0.02	6.92e-03
82	132	753.33	-27.41	-3.58	-0.15	-5.28	-0.03	-7.19e-03
82	132	806.67	-23.49	-3.47	0.03	-4.24	-0.04	-2.26e-03
82	132	860.00	-19.97	-3.66	0.04	-3.38	-0.02	-2.48e-03
82	132	910.00	-16.36	-4.01	0.03	-2.56	4.30e-04	-2.53e-03
82	132	960.00	-12.45	-4.43	0.01	-1.67	8.70e-03	-1.92e-03
82	132	1010.00	-8.17	-4.87	-7.51e-03	-0.70	9.14e-03	-8.39e-05
82	132	1060.00	-4.72	-5.19	-0.01	0.74	-9.55e-04	1.08e-03
82	140	700.00	-27.27	-3.80	-0.20	-6.57	0.03	7.30e-03
82	140	753.33	-27.40	-3.72	-0.17	-5.49	-0.02	2.71e-03
82	140	806.67	-23.68	-3.61	0.02	-4.40	-0.05	3.84e-03
82	140	860.00	-20.14	-3.78	0.04	-3.49	-0.03	-3.04e-04
82	140	910.00	-16.47	-4.11	0.02	-2.63	-0.01	-1.80e-03
82	140	960.00	-12.51	-4.51	8.39e-03	-1.72	-0.02	-2.33e-03
82	140	1010.00	-8.20	-4.93	-1.49e-03	-0.73	-0.01	-2.30e-03
82	140	1060.00	-4.73	-5.24	0.02	0.73	-9.62e-03	-1.14e-03
82	141	700.00	-5.12	-0.21	5.61e-03	2.70	-0.07	-0.03
82	141	753.33	-5.26	-0.12	0.04	3.78	-0.12	-0.01
82	141	806.67	-4.38	-0.05	0.08	3.38	-0.10	-4.71e-04
82	141	860.00	-3.09	0.16	0.10	2.99	-0.05	4.69e-03
82	141	910.00	-2.21	0.46	0.08	2.60	-7.01e-03	4.80e-03
82	141	960.00	-1.66	0.79	0.04	2.20	0.04	4.73e-03
82	141	1010.00	-1.39	1.09	-0.02	1.73	0.04	4.27e-03
82	141	1060.00	-2.40	1.34	-0.07	1.57	0.01	6.26e-04
82	157	700.00	-7.29	-0.67	0.24	0.06	-0.14	-0.06
82	157	753.33	-7.43	-0.59	0.28	1.15	-0.19	-0.03
82	157	806.67	-6.78	-0.55	0.14	1.24	-0.08	-8.22e-03
82	157	860.00	-5.66	-0.50	0.12	1.22	-4.30e-03	1.49e-03
82	157	910.00	-4.61	-0.43	0.10	1.17	0.05	4.62e-03
82	157	960.00	-3.61	-0.35	0.06	1.11	0.09	7.21e-03
82	157	1010.00	-2.56	-0.29	-0.04	1.02	0.10	9.35e-03
82	157	1060.00	-2.66	-0.23	-0.18	1.28	0.04	8.44e-03
82	164	700.00	-28.71	-3.88	-0.19	-6.96	0.03	8.67e-03
82	164	753.33	-28.84	-3.80	-0.16	-5.88	-0.03	-7.59e-03
82	164	806.67	-24.72	-3.68	0.03	-4.75	-0.03	-2.87e-03
82	164	860.00	-21.07	-3.90	0.04	-3.81	-0.02	-3.15e-03
82	164	910.00	-17.29	-4.30	0.02	-2.90	2.21e-03	-3.09e-03
82	164	960.00	-13.16	-4.77	8.00e-03	-1.93	9.10e-03	-2.33e-03
82	164	1010.00	-8.62	-5.27	-7.51e-03	-0.87	9.05e-03	-2.03e-04
82	164	1060.00	-4.87	-5.63	-0.01	0.68	-1.07e-03	1.28e-03
82	169	700.00	-3.67	0.04	-0.01	3.54	-0.07	-0.03
82	169	753.33	-3.80	0.12	0.02	4.62	-0.12	-0.01
82	169	806.67	-3.15	0.18	0.07	4.07	-0.10	7.74e-04
82	169	860.00	-1.98	0.41	0.10	3.56	-0.06	5.95e-03
82	169	910.00	-1.26	0.77	0.08	3.07	-0.01	5.76e-03
82	169	960.00	-0.93	1.17	0.05	2.55	0.03	5.30e-03
82	169	1010.00	-0.97	1.55	-0.02	1.97	0.03	4.48e-03
82	169	1060.00	-2.17	1.85	-0.06	1.63	0.01	5.51e-04
82	172	700.00	-28.69	-4.03	-0.21	-7.20	0.03	9.20e-03
82	172	753.33	-28.83	-3.95	-0.18	-6.11	-0.02	3.51e-03
82	172	806.67	-24.94	-3.84	0.02	-4.92	-0.05	4.00e-03
82	172	860.00	-21.25	-4.04	0.03	-3.92	-0.03	-6.83e-04
82	172	910.00	-17.40	-4.41	0.02	-2.98	-0.01	-2.26e-03
82	172	960.00	-13.23	-4.86	6.14e-03	-1.98	-0.02	-2.79e-03
82	172	1010.00	-8.65	-5.33	-7.46e-04	-0.89	-0.01	-2.70e-03
82	172	1060.00	-4.89	-5.67	0.03	0.67	-0.01	-1.23e-03
82	189	700.00	-7.34	-0.68	0.24	0.10	-0.14	-0.06
82	189	753.33	-7.48	-0.60	0.27	1.18	-0.19	-0.03
82	189	806.67	-6.79	-0.55	0.14	1.27	-0.08	-8.04e-03
82	189	860.00	-5.65	-0.50	0.12	1.25	-4.89e-03	1.54e-03
82	189	910.00	-4.60	-0.42	0.10	1.19	0.05	4.60e-03
82	189	960.00	-3.60	-0.34	0.06	1.13	0.09	7.14e-03
82	189	1010.00	-2.55	-0.28	-0.04	1.03	0.10	9.21e-03
82	189	1060.00	-2.66	-0.21	-0.17	1.28	0.04	8.29e-03
82	196	700.00	-28.89	-3.89	-0.19	-7.15	0.02	7.88e-03
82	196	753.33	-29.02	-3.81	-0.16	-6.06	-0.03	-7.56e-03
82	196	806.67	-24.96	-3.71	0.03	-4.91	-0.03	-3.02e-03
82	196	860.00	-21.33	-3.95	0.04	-3.94	-0.01	-3.29e-03
82	196	910.00	-17.53	-4.37	0.02	-3.01	2.39e-03	-3.21e-03
82	196	960.00	-13.36	-4.88	7.73e-03	-2.02	9.28e-03	-2.37e-03
82	196	1010.00	-8.75	-5.39	-7.87e-03	-0.92	9.10e-03	-1.84e-04
82	196	1060.00	-4.93	-5.77	-0.01	0.67	-1.07e-03	1.40e-03
82	201	700.00	-3.56	0.05	-0.01	3.68	-0.07	-0.02

82	201	753.33	-3.69	0.14	0.02	4.77	-0.12	-0.01
82	201	806.67	-2.96	0.21	0.07	4.19	-0.10	8.83e-04
82	201	860.00	-1.77	0.46	0.10	3.66	-0.06	5.99e-03
82	201	910.00	-1.07	0.84	0.08	3.15	-0.01	5.83e-03
82	201	960.00	-0.78	1.25	0.05	2.61	0.03	5.35e-03
82	201	1010.00	-0.87	1.64	-0.01	2.01	0.03	4.44e-03
82	201	1060.00	-2.13	1.96	-0.06	1.64	0.01	5.30e-04
82	204	700.00	-28.80	-4.05	-0.21	-7.34	0.03	8.96e-03
82	204	753.33	-28.94	-3.96	-0.18	-6.25	-0.02	3.21e-03
82	204	806.67	-25.13	-3.87	0.02	-5.04	-0.05	3.89e-03
82	204	860.00	-21.46	-4.08	0.03	-4.02	-0.03	-7.16e-04
82	204	910.00	-17.59	-4.47	0.02	-3.06	-0.01	-2.33e-03
82	204	960.00	-13.38	-4.94	5.87e-03	-2.04	-0.02	-2.84e-03
82	204	1010.00	-8.75	-5.43	-1.24e-03	-0.93	-0.01	-2.66e-03
82	204	1060.00	-4.93	-5.78	0.03	0.66	-0.01	-1.21e-03
82	221	700.00	-5.82	-0.45	0.29	0.46	-0.15	-0.07
82	221	753.33	-5.96	-0.37	0.33	1.54	-0.21	-0.03
82	221	806.67	-5.53	-0.33	0.15	1.58	-0.08	-9.73e-03
82	221	860.00	-4.61	-0.27	0.13	1.51	1.15e-03	1.39e-03
82	221	910.00	-3.76	-0.17	0.10	1.40	0.06	5.09e-03
82	221	960.00	-2.98	-0.07	0.06	1.29	0.11	8.11e-03
82	221	1010.00	-2.15	0.02	-0.04	1.12	0.11	0.01
82	221	1060.00	-2.51	0.10	-0.20	1.31	0.05	9.69e-03
82	225	700.00	-0.97	0.27	-0.03	4.58	-0.07	-0.03
82	225	753.33	-1.11	0.35	7.14e-03	5.67	-0.12	4.11e-04
82	225	806.67	-0.94	0.42	0.07	4.98	-0.13	8.89e-03
82	225	860.00	0.07	0.75	0.10	4.35	-0.08	9.74e-03
82	225	910.00	0.54	1.26	0.08	3.73	-0.03	7.70e-03
82	225	960.00	0.49	1.81	0.05	3.06	1.39e-03	5.55e-03
82	225	1010.00	-0.06	2.33	-7.86e-03	2.29	0.01	2.14e-03
82	225	1060.00	-1.84	2.74	-0.02	1.74	1.20e-03	-2.49e-03
82	228	700.00	-31.39	-4.26	-0.20	-8.24	0.03	0.01
82	228	753.33	-31.52	-4.18	-0.17	-7.15	-0.02	-8.27e-03
82	228	806.67	-27.14	-4.08	0.02	-5.83	-0.03	-4.12e-03
82	228	860.00	-23.30	-4.38	0.03	-4.71	-8.74e-03	-4.47e-03
82	228	910.00	-19.20	-4.89	0.02	-3.64	5.60e-03	-4.19e-03
82	228	960.00	-14.64	-5.50	4.25e-03	-2.49	0.01	-3.04e-03
82	228	1010.00	-9.56	-6.11	-8.06e-03	-1.22	9.12e-03	-3.56e-04
82	228	1060.00	-5.22	-6.56	-0.01	0.57	-1.20e-03	1.81e-03
82	262	700.00	-13.85	-1.60	-0.16	-1.41	-1.57e-03	0.01
82	262	753.33	-14.15	-1.55	-0.23	-0.47	-0.11	0.02
82	262	806.67	-12.31	-1.49	-0.12	-0.19	-0.11	0.01
82	262	860.00	-10.33	-1.48	-0.11	0.02	-0.08	7.36e-03
82	262	910.00	-8.46	-1.49	-0.12	0.22	-0.07	1.49e-03
82	262	960.00	-6.62	-1.52	-0.14	0.44	-0.06	-4.73e-03
82	262	1010.00	-4.78	-1.58	-0.13	0.68	-0.06	-0.01
82	262	1060.00	-3.71	-1.60	0.13	1.22	0.0	-0.02
82	273	700.00	-11.61	-1.24	-0.05	-1.03	-0.02	-6.39e-03
82	273	753.33	-11.89	-1.21	-0.04	-0.28	-0.04	-2.50e-03
82	273	806.67	-10.32	-1.17	0.03	-0.08	-0.04	1.28e-03
82	273	860.00	-8.63	-1.18	0.04	0.06	-0.02	1.57e-03
82	273	910.00	-7.02	-1.19	0.03	0.20	3.18e-04	1.23e-03
82	273	960.00	-5.44	-1.21	0.01	0.36	0.01	9.81e-04
82	273	1010.00	-3.86	-1.26	-0.01	0.53	0.01	5.01e-04
82	273	1060.00	-2.92	-1.28	-0.02	0.95	0.0	-5.52e-04
82	280	700.00	-20.98	-2.67	-0.15	-2.45	-0.02	-0.01
82	280	753.33	-21.09	-2.56	-0.10	-1.02	-0.09	-5.05e-03
82	280	806.67	-18.17	-2.44	0.06	-0.59	-0.10	3.12e-03
82	280	860.00	-15.05	-2.42	0.09	-0.25	-0.05	3.44e-03
82	280	910.00	-12.12	-2.43	0.07	0.06	-0.02	2.31e-03
82	280	960.00	-9.23	-2.46	0.03	0.39	9.56e-03	1.67e-03
82	280	1010.00	-6.32	-2.52	-0.01	0.73	0.01	1.12e-03
82	280	1060.00	-4.73	-2.55	-0.03	1.56	0.0	-5.45e-04
82	298	700.00	-16.89	-2.10	-0.12	-1.93	-0.02	-8.29e-03
82	298	753.33	-17.00	-2.01	-0.09	-0.79	-0.08	-4.20e-03
82	298	806.67	-14.62	-1.92	0.05	-0.46	-0.08	2.58e-03
82	298	860.00	-12.08	-1.90	0.07	-0.21	-0.05	2.83e-03
82	298	910.00	-9.69	-1.91	0.05	0.03	-0.02	1.85e-03
82	298	960.00	-7.34	-1.93	0.03	0.28	4.78e-03	1.31e-03
82	298	1010.00	-4.96	-1.98	-6.91e-03	0.54	9.62e-03	9.58e-04
82	298	1060.00	-3.63	-2.00	-0.02	1.19	0.0	-3.14e-04
82	301	700.00	-16.93	-2.09	-0.11	-1.90	-0.02	-8.34e-03
82	301	753.33	-17.09	-2.00	-0.08	-0.76	-0.07	-3.97e-03
82	301	806.67	-14.74	-1.92	0.05	-0.42	-0.07	2.38e-03
82	301	860.00	-12.22	-1.90	0.07	-0.16	-0.04	2.66e-03

82	301	910.00	-9.85	-1.91	0.05	0.08	-0.01	1.82e-03
82	301	960.00	-7.52	-1.93	0.03	0.34	8.98e-03	1.33e-03
82	301	1010.00	-5.17	-1.99	-0.01	0.61	0.01	8.73e-04
82	301	1060.00	-3.85	-2.01	-0.02	1.26	0.0	-4.73e-04
82	303	700.00	-16.18	-2.00	-0.10	-1.83	-0.02	-0.01
82	303	753.33	-16.31	-1.91	-0.06	-0.74	-0.06	-6.19e-03
82	303	806.67	-14.04	-1.83	0.06	-0.43	-0.07	1.13e-03
82	303	860.00	-11.61	-1.81	0.08	-0.18	-0.04	2.05e-03
82	303	910.00	-9.33	-1.82	0.06	0.04	-6.03e-03	1.73e-03
82	303	960.00	-7.08	-1.84	0.04	0.28	0.01	1.84e-03
82	303	1010.00	-4.81	-1.89	2.41e-03	0.54	0.02	2.14e-03
82	303	1060.00	-3.53	-1.91	-0.03	1.15	0.0	2.05e-03
82	306	700.00	-11.88	-1.35	-0.05	-1.21	-0.02	-6.01e-03
82	306	753.33	-12.13	-1.31	-0.04	-0.42	-0.04	-2.36e-03
82	306	806.67	-10.51	-1.25	0.03	-0.19	-0.04	1.25e-03
82	306	860.00	-8.77	-1.25	0.04	-0.02	-0.02	1.50e-03
82	306	910.00	-7.13	-1.26	0.03	0.14	2.08e-04	1.16e-03
82	306	960.00	-5.51	-1.28	0.01	0.32	0.01	9.20e-04
82	306	1010.00	-3.88	-1.32	-0.01	0.51	0.01	4.81e-04
82	306	1060.00	-2.93	-1.34	-0.02	0.95	0.0	-5.17e-04
82	309	700.00	-11.95	-1.38	-0.05	-1.25	-0.02	-5.91e-03
82	309	753.33	-12.19	-1.33	-0.04	-0.45	-0.04	-2.32e-03
82	309	806.67	-10.56	-1.27	0.03	-0.22	-0.04	1.24e-03
82	309	860.00	-8.81	-1.27	0.04	-0.04	-0.02	1.48e-03
82	309	910.00	-7.15	-1.27	0.03	0.13	1.80e-04	1.14e-03
82	309	960.00	-5.52	-1.30	0.01	0.31	0.01	9.05e-04
82	309	1010.00	-3.89	-1.34	-0.01	0.50	0.01	4.76e-04
82	309	1060.00	-2.93	-1.36	-0.02	0.95	0.0	-5.08e-04
82	310	700.00	-16.18	-2.00	-0.11	-1.83	-0.02	-7.95e-03
82	310	753.33	-16.32	-1.91	-0.08	-0.74	-0.07	-3.93e-03
82	310	806.67	-14.04	-1.83	0.05	-0.43	-0.08	2.39e-03
82	310	860.00	-11.61	-1.81	0.07	-0.18	-0.04	2.64e-03
82	310	910.00	-9.33	-1.82	0.05	0.04	-0.01	1.75e-03
82	310	960.00	-7.08	-1.84	0.03	0.28	5.79e-03	1.25e-03
82	310	1010.00	-4.81	-1.89	-7.96e-03	0.54	9.96e-03	8.90e-04
82	310	1060.00	-3.53	-1.91	-0.02	1.15	0.0	-3.42e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-31.52	-6.56	-0.35	-8.24	-0.21	-0.07
	0.54	2.74	0.33	5.67	0.11	0.03

Macro	Tipo	Angolo 1-Z (gradi)
83	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
83	46	700.00	-6.32	-2.22	-3.33	-2.88	0.08	-0.31
83	46	753.33	-6.32	-2.22	-3.33	-1.70	-1.70	-0.38
83	46	806.67	-6.59	-3.30	-2.05	-0.54	-2.79	-0.22
83	46	860.00	-6.65	-3.29	-0.90	0.50	-3.27	-0.07
83	46	910.00	-6.66	-3.29	0.15	1.50	-3.20	0.08
83	46	960.00	-6.60	-3.32	1.15	2.59	-2.63	0.22
83	46	1010.00	-4.79	0.26	2.26	0.70	-1.49	0.32
83	46	1060.00	-2.48	0.83	2.99	-0.67	0.0	0.26
83	52	700.00	-10.61	-4.66	-0.13	-3.33	0.05	4.04e-03
83	52	753.33	-10.61	-4.66	-0.13	-0.84	-0.02	0.02
83	52	806.67	-11.85	-7.05	-0.06	1.56	-0.05	0.01
83	52	860.00	-12.52	-7.02	8.02e-04	3.85	-0.05	5.75e-03
83	52	910.00	-12.95	-7.01	0.03	6.15	-0.03	8.01e-04
83	52	960.00	-13.14	-7.08	0.03	8.72	-0.02	-1.15e-03
83	52	1010.00	-8.88	2.48	0.02	3.63	-8.18e-03	-1.10e-03
83	52	1060.00	-4.13	3.89	0.02	-0.43	0.0	-7.12e-04
83	59	700.00	-11.67	-4.32	-0.11	-3.84	0.05	1.34e-03
83	59	753.33	-11.67	-4.32	-0.11	-1.54	-0.01	0.02
83	59	806.67	-12.61	-6.61	-0.04	0.90	-0.03	0.01
83	59	860.00	-13.06	-6.58	4.94e-03	3.16	-0.03	4.76e-03
83	59	910.00	-13.34	-6.58	0.03	5.37	-0.02	1.65e-03
83	59	960.00	-13.44	-6.64	0.02	7.79	-7.69e-03	1.09e-03
83	59	1010.00	-9.36	2.54	0.01	2.83	-1.78e-03	1.99e-03
83	59	1060.00	-4.63	3.94	3.56e-03	-1.01	0.0	1.86e-03
83	93	700.00	-6.81	-0.73	-0.03	-1.96	7.76e-03	1.43e-03
83	93	753.33	-6.81	-0.73	-0.03	-1.57	-6.07e-03	5.51e-03

83	93	806.67	-6.63	-1.74	-9.33e-03	-0.74	-0.01	3.07e-03
83	93	860.00	-6.14	-1.73	3.52e-03	-0.06	-9.17e-03	1.35e-03
83	93	910.00	-5.64	-1.72	8.34e-03	0.61	-4.99e-03	5.21e-04
83	93	960.00	-5.13	-1.74	6.60e-03	1.31	-1.70e-03	4.57e-04
83	93	1010.00	-3.60	0.05	2.88e-03	0.36	-2.59e-04	7.95e-04
83	93	1060.00	-1.72	0.21	5.17e-04	-0.35	0.0	7.05e-04
83	114	700.00	-32.61	8.98	0.96	3.63	-0.01	0.10
83	114	753.33	-32.61	8.98	0.96	4.78	-0.05	0.08
83	114	806.67	-27.44	7.99	0.47	4.27	0.29	0.06
83	114	860.00	-23.25	6.78	0.26	3.99	0.47	0.03
83	114	910.00	-19.82	6.36	0.09	4.43	0.55	5.17e-04
83	114	960.00	-18.54	4.39	-0.08	6.04	0.58	-0.03
83	114	1010.00	-11.69	4.28	-0.46	2.86	0.49	-0.06
83	114	1060.00	-4.01	3.13	-0.67	0.04	0.18	-0.07
83	115	700.00	18.53	-13.28	-1.10	-7.56	0.06	-0.10
83	115	753.33	18.53	-13.28	-1.10	-6.41	0.03	-0.06
83	115	806.67	12.53	-15.02	-0.53	-3.39	-0.35	-0.05
83	115	860.00	8.25	-13.79	-0.26	-0.76	-0.52	-0.02
83	115	910.00	4.96	-13.36	-0.06	1.15	-0.58	1.43e-04
83	115	960.00	4.05	-11.46	0.11	2.15	-0.60	0.03
83	115	1010.00	1.92	-2.48	0.49	0.62	-0.50	0.06
83	115	1060.00	-0.41	-0.16	0.69	-0.34	-0.18	0.06
83	122	700.00	-27.87	9.10	1.25	0.02	0.06	0.14
83	122	753.33	-27.87	9.10	1.25	1.17	0.02	0.12
83	122	806.67	-24.09	7.86	0.72	0.80	0.55	0.09
83	122	860.00	-19.90	7.66	0.40	0.06	0.83	0.04
83	122	910.00	-15.47	7.45	0.13	-0.48	0.96	-5.44e-03
83	122	960.00	-10.97	7.31	-0.15	-0.76	0.99	-0.05
83	122	1010.00	-7.26	4.55	-0.77	-1.77	0.80	-0.10
83	122	1060.00	-3.06	2.60	-1.14	-1.26	0.29	-0.11
83	131	700.00	10.54	-22.27	-0.83	6.19	0.23	-0.07
83	131	753.33	10.54	-22.27	-0.83	7.34	0.19	-0.01
83	131	806.67	3.30	-23.92	-0.33	12.38	-0.08	-5.84e-03
83	131	860.00	-2.54	-22.96	-0.12	17.85	-0.08	1.62e-03
83	131	910.00	-8.82	-22.26	-0.02	22.65	-0.09	7.42e-03
83	131	960.00	-14.81	-21.34	0.02	27.03	-0.21	0.02
83	131	1010.00	-8.61	7.10	0.20	17.15	-0.29	0.04
83	131	1060.00	-3.36	12.89	0.26	4.55	-0.08	0.04
83	146	700.00	-35.87	10.41	1.09	4.35	-0.02	0.12
83	146	753.33	-35.87	10.41	1.09	5.50	-0.06	0.09
83	146	806.67	-29.98	9.45	0.53	4.76	0.33	0.07
83	146	860.00	-25.23	8.09	0.29	4.29	0.53	0.03
83	146	910.00	-21.38	7.62	0.10	4.64	0.62	5.45e-04
83	146	960.00	-20.00	5.40	-0.09	6.29	0.66	-0.03
83	146	1010.00	-12.57	4.69	-0.52	3.00	0.55	-0.07
83	146	1060.00	-4.24	3.33	-0.75	0.06	0.20	-0.07
83	147	700.00	21.79	-14.71	-1.22	-8.28	0.07	-0.11
83	147	753.33	21.79	-14.71	-1.22	-7.13	0.03	-0.07
83	147	806.67	15.07	-16.49	-0.59	-3.87	-0.38	-0.05
83	147	860.00	10.24	-15.10	-0.29	-1.06	-0.58	-0.03
83	147	910.00	6.53	-14.62	-0.07	0.94	-0.65	1.16e-04
83	147	960.00	5.50	-12.46	0.12	1.90	-0.68	0.03
83	147	1010.00	2.80	-2.90	0.54	0.48	-0.56	0.07
83	147	1060.00	-0.18	-0.36	0.77	-0.37	-0.20	0.07
83	154	700.00	-30.48	10.55	1.42	0.24	0.06	0.16
83	154	753.33	-30.48	10.55	1.42	1.39	0.02	0.13
83	154	806.67	-26.17	9.31	0.81	0.81	0.62	0.10
83	154	860.00	-21.44	9.08	0.45	-0.18	0.93	0.04
83	154	910.00	-16.45	8.85	0.14	-0.94	1.08	-6.17e-03
83	154	960.00	-11.40	8.69	-0.17	-1.43	1.11	-0.06
83	154	1010.00	-7.54	4.98	-0.87	-2.25	0.90	-0.12
83	154	1060.00	-3.16	2.70	-1.28	-1.41	0.33	-0.13
83	163	700.00	12.82	-24.92	-0.93	7.28	0.26	-0.07
83	163	753.33	12.82	-24.92	-0.93	8.43	0.22	-0.01
83	163	806.67	4.69	-26.60	-0.37	13.98	-0.08	-7.44e-03
83	163	860.00	-1.93	-25.52	-0.14	20.02	-0.09	1.48e-03
83	163	910.00	-9.04	-24.72	-0.02	25.29	-0.10	8.33e-03
83	163	960.00	-15.83	-23.68	0.03	30.08	-0.23	0.02
83	163	1010.00	-9.11	7.93	0.22	19.21	-0.32	0.04
83	163	1060.00	-3.52	14.42	0.29	5.18	-0.09	0.05
83	178	700.00	-36.12	10.57	1.08	4.43	-0.02	0.11
83	178	753.33	-36.12	10.57	1.08	5.57	-0.06	0.09
83	178	806.67	-30.08	9.58	0.52	4.79	0.32	0.07
83	178	860.00	-25.25	8.19	0.28	4.29	0.52	0.03
83	178	910.00	-21.40	7.71	0.09	4.63	0.60	5.77e-04

83	178	960.00	-20.17	5.42	-0.09	6.30	0.64	-0.03
83	178	1010.00	-12.68	4.61	-0.50	3.00	0.53	-0.07
83	178	1060.00	-4.24	3.25	-0.74	0.05	0.19	-0.07
83	179	700.00	22.04	-14.87	-1.21	-8.36	0.07	-0.11
83	179	753.33	22.04	-14.87	-1.21	-7.21	0.04	-0.07
83	179	806.67	15.17	-16.61	-0.58	-3.90	-0.37	-0.05
83	179	860.00	10.25	-15.20	-0.28	-1.06	-0.57	-0.03
83	179	910.00	6.55	-14.71	-0.06	0.95	-0.64	8.43e-05
83	179	960.00	5.67	-12.49	0.12	1.88	-0.66	0.03
83	179	1010.00	2.91	-2.82	0.53	0.48	-0.54	0.06
83	179	1060.00	-0.18	-0.28	0.75	-0.36	-0.19	0.07
83	186	700.00	-30.29	10.66	1.40	0.02	0.05	0.16
83	186	753.33	-30.29	10.66	1.40	1.16	0.02	0.13
83	186	806.67	-25.96	9.38	0.80	0.54	0.61	0.09
83	186	860.00	-21.18	9.15	0.45	-0.49	0.91	0.04
83	186	910.00	-16.17	8.92	0.14	-1.28	1.06	-6.17e-03
83	186	960.00	-11.11	8.76	-0.17	-1.81	1.09	-0.06
83	186	1010.00	-7.37	4.80	-0.85	-2.49	0.88	-0.12
83	186	1060.00	-3.10	2.44	-1.25	-1.48	0.32	-0.12
83	195	700.00	13.23	-25.67	-0.95	7.67	0.27	-0.07
83	195	753.33	13.23	-25.67	-0.95	8.81	0.23	-0.01
83	195	806.67	4.88	-27.21	-0.37	14.56	-0.08	-7.22e-03
83	195	860.00	-2.06	-26.12	-0.14	20.76	-0.09	1.67e-03
83	195	910.00	-9.37	-25.30	-0.02	26.19	-0.10	8.46e-03
83	195	960.00	-16.27	-24.22	0.03	31.12	-0.22	0.02
83	195	1010.00	-9.34	8.21	0.21	19.90	-0.31	0.04
83	195	1060.00	-3.61	14.97	0.28	5.38	-0.09	0.04
83	210	700.00	-41.51	12.99	1.28	5.61	-0.03	0.13
83	210	753.33	-41.51	12.99	1.28	6.76	-0.07	0.10
83	210	806.67	-34.21	12.05	0.61	5.57	0.38	0.07
83	210	860.00	-28.43	10.40	0.33	4.75	0.61	0.04
83	210	910.00	-23.91	9.81	0.11	4.93	0.70	5.68e-04
83	210	960.00	-22.58	7.08	-0.11	6.67	0.75	-0.03
83	210	1010.00	-14.14	5.20	-0.59	3.21	0.62	-0.08
83	210	1060.00	-4.61	3.50	-0.86	0.08	0.22	-0.08
83	211	700.00	27.42	-17.28	-1.41	-9.54	0.08	-0.13
83	211	753.33	27.42	-17.28	-1.41	-8.39	0.05	-0.08
83	211	806.67	19.29	-19.09	-0.67	-4.68	-0.43	-0.06
83	211	860.00	13.44	-17.40	-0.33	-1.52	-0.66	-0.03
83	211	910.00	9.06	-16.81	-0.08	0.65	-0.74	9.31e-05
83	211	960.00	8.08	-14.14	0.14	1.51	-0.77	0.03
83	211	1010.00	4.37	-3.40	0.61	0.27	-0.63	0.07
83	211	1060.00	0.19	-0.52	0.88	-0.39	-0.22	0.08
83	218	700.00	-34.22	13.01	1.65	0.18	0.06	0.18
83	218	753.33	-34.22	13.01	1.65	1.33	0.02	0.15
83	218	806.67	-29.04	11.73	0.94	0.34	0.71	0.11
83	218	860.00	-23.39	11.46	0.52	-1.10	1.07	0.05
83	218	910.00	-17.50	11.18	0.16	-2.27	1.24	-7.33e-03
83	218	960.00	-11.56	10.99	-0.20	-3.14	1.27	-0.07
83	218	1010.00	-7.69	5.32	-0.99	-3.43	1.02	-0.13
83	218	1060.00	-3.22	2.40	-1.46	-1.77	0.37	-0.14
83	227	700.00	17.17	-30.43	-1.11	9.69	0.32	-0.09
83	227	753.33	17.17	-30.43	-1.11	10.84	0.28	-0.02
83	227	806.67	7.23	-31.97	-0.44	17.51	-0.08	-9.60e-03
83	227	860.00	-1.15	-30.67	-0.16	24.73	-0.10	1.62e-03
83	227	910.00	-9.93	-29.68	-0.03	31.03	-0.12	0.01
83	227	960.00	-18.21	-28.38	0.03	36.71	-0.26	0.03
83	227	1010.00	-10.30	9.74	0.24	23.65	-0.36	0.05
83	227	1060.00	-3.93	17.79	0.33	6.53	-0.10	0.05
83	262	700.00	-6.59	-2.02	-2.23	-2.53	0.06	-0.21
83	262	753.33	-6.59	-2.02	-2.23	-1.46	-1.13	-0.25
83	262	806.67	-6.81	-3.12	-1.37	-0.32	-1.87	-0.15
83	262	860.00	-6.80	-3.11	-0.60	0.69	-2.19	-0.05
83	262	910.00	-6.72	-3.11	0.10	1.67	-2.14	0.05
83	262	960.00	-6.59	-3.14	0.77	2.74	-1.75	0.15
83	262	1010.00	-4.71	0.40	1.51	0.84	-1.00	0.21
83	262	1060.00	-2.38	0.94	1.99	-0.57	0.0	0.18
83	268	700.00	-7.88	-3.24	-0.09	-2.35	0.04	2.66e-03
83	268	753.33	-7.88	-3.24	-0.09	-0.62	-0.01	0.02
83	268	806.67	-8.69	-4.92	-0.04	1.07	-0.03	9.40e-03
83	268	860.00	-9.08	-4.90	7.71e-04	2.68	-0.03	3.96e-03
83	268	910.00	-9.31	-4.90	0.02	4.28	-0.02	6.12e-04
83	268	960.00	-9.38	-4.95	0.02	6.08	-0.01	-6.76e-04
83	268	1010.00	-6.34	1.68	0.02	2.53	-5.40e-03	-6.07e-04
83	268	1060.00	-2.94	2.65	0.01	-0.30	0.0	-3.65e-04

83	271	700.00	-8.59	-3.01	-0.07	-2.69	0.03	8.58e-04
83	271	753.33	-8.59	-3.01	-0.07	-1.08	-7.14e-03	0.01
83	271	806.67	-9.20	-4.63	-0.03	0.63	-0.02	7.27e-03
83	271	860.00	-9.44	-4.61	3.53e-03	2.21	-0.02	3.30e-03
83	271	910.00	-9.58	-4.61	0.02	3.76	-0.01	1.18e-03
83	271	960.00	-9.59	-4.65	0.02	5.46	-5.13e-03	8.15e-04
83	271	1010.00	-6.66	1.72	8.01e-03	2.00	-1.13e-03	1.45e-03
83	271	1060.00	-3.28	2.68	2.26e-03	-0.69	0.0	1.35e-03
83	285	700.00	-6.92	-1.04	-0.03	-1.92	0.01	1.17e-03
83	285	753.33	-6.92	-1.04	-0.03	-1.37	-5.70e-03	6.00e-03
83	285	806.67	-6.84	-2.08	-0.01	-0.46	-0.01	3.45e-03
83	285	860.00	-6.46	-2.07	3.27e-03	0.32	-0.01	1.53e-03
83	285	910.00	-6.04	-2.07	9.07e-03	1.08	-5.72e-03	5.76e-04
83	285	960.00	-5.60	-2.08	7.36e-03	1.89	-2.04e-03	4.76e-04
83	285	1010.00	-3.91	0.27	3.39e-03	0.61	-3.50e-04	8.36e-04
83	285	1060.00	-1.87	0.53	7.00e-04	-0.36	0.0	7.51e-04
83	298	700.00	-7.08	-2.27	-0.07	-2.03	0.03	3.09e-03
83	298	753.33	-7.08	-2.27	-0.07	-0.82	-0.01	0.01
83	298	806.67	-7.55	-3.70	-0.03	0.49	-0.03	7.78e-03
83	298	860.00	-7.64	-3.68	5.83e-04	1.72	-0.03	3.18e-03
83	298	910.00	-7.60	-3.68	0.02	2.95	-0.02	2.76e-04
83	298	960.00	-7.45	-3.71	0.02	4.32	-0.01	-9.62e-04
83	298	1010.00	-5.01	0.95	0.01	1.86	-5.38e-03	-1.07e-03
83	298	1060.00	-2.25	1.58	0.01	-0.13	0.0	-7.89e-04
83	301	700.00	-7.36	-2.20	-0.07	-2.18	0.02	2.44e-03
83	301	753.33	-7.36	-2.20	-0.07	-1.00	-0.01	0.01
83	301	806.67	-7.78	-3.62	-0.03	0.32	-0.03	7.05e-03
83	301	860.00	-7.81	-3.60	1.63e-03	1.55	-0.02	2.96e-03
83	301	910.00	-7.75	-3.60	0.02	2.77	-0.02	4.91e-04
83	301	960.00	-7.57	-3.63	0.02	4.12	-9.48e-03	-4.09e-04
83	301	1010.00	-5.16	0.98	0.01	1.66	-3.82e-03	-3.02e-04
83	301	1060.00	-2.39	1.61	7.65e-03	-0.28	0.0	-1.50e-04
83	304	700.00	-6.62	-1.54	-0.48	-1.67	0.02	-0.04
83	304	753.33	-6.62	-1.54	-0.48	-0.85	-0.23	-0.04
83	304	806.67	-6.71	-2.54	-0.29	0.12	-0.38	-0.03
83	304	860.00	-6.51	-2.53	-0.12	0.98	-0.45	-7.96e-03
83	304	910.00	-6.27	-2.53	0.03	1.82	-0.43	0.01
83	304	960.00	-5.98	-2.55	0.16	2.73	-0.35	0.03
83	304	1010.00	-4.13	0.48	0.31	1.05	-0.20	0.04
83	304	1060.00	-1.95	0.88	0.40	-0.28	0.0	0.04
83	308	700.00	-6.85	-1.37	-0.04	-1.66	0.01	5.38e-04
83	308	753.33	-6.85	-1.37	-0.04	-0.93	-4.28e-03	5.92e-03
83	308	806.67	-6.87	-2.38	-0.01	0.03	-0.01	3.54e-03
83	308	860.00	-6.60	-2.37	2.63e-03	0.87	-0.01	1.61e-03
83	308	910.00	-6.29	-2.37	8.93e-03	1.69	-5.65e-03	6.42e-04
83	308	960.00	-5.94	-2.39	7.35e-03	2.57	-1.98e-03	5.42e-04
83	308	1010.00	-4.11	0.49	3.40e-03	0.96	-2.76e-04	9.13e-04
83	308	1060.00	-1.94	0.86	5.52e-04	-0.30	0.0	8.19e-04
83	309	700.00	-6.83	-1.45	-0.04	-1.59	0.02	3.81e-04
83	309	753.33	-6.83	-1.45	-0.04	-0.82	-3.93e-03	5.89e-03
83	309	806.67	-6.88	-2.45	-0.01	0.16	-0.01	3.56e-03
83	309	860.00	-6.64	-2.44	2.47e-03	1.01	-0.01	1.63e-03
83	309	910.00	-6.36	-2.44	8.89e-03	1.84	-5.63e-03	6.58e-04
83	309	960.00	-6.03	-2.46	7.35e-03	2.74	-1.96e-03	5.59e-04
83	309	1010.00	-4.15	0.55	3.41e-03	1.05	-2.58e-04	9.33e-04
83	309	1060.00	-1.95	0.94	5.15e-04	-0.29	0.0	8.36e-04
83	310	700.00	-7.04	-2.15	-0.07	-1.96	0.02	2.70e-03
83	310	753.33	-7.04	-2.15	-0.07	-0.82	-0.01	0.01
83	310	806.67	-7.46	-3.52	-0.03	0.44	-0.03	7.18e-03
83	310	860.00	-7.50	-3.50	8.53e-04	1.61	-0.03	2.95e-03
83	310	910.00	-7.43	-3.50	0.02	2.79	-0.02	3.30e-04
83	310	960.00	-7.25	-3.53	0.02	4.09	-0.01	-7.45e-04
83	310	1010.00	-4.88	0.90	0.01	1.74	-4.65e-03	-7.83e-04
83	310	1060.00	-2.21	1.49	9.30e-03	-0.15	0.0	-5.57e-04

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-41.51	-31.97	-3.33	-9.54	-3.27	-0.38
	27.42	17.79	2.99	36.71	1.27	0.32

Macro	Tipo	Angolo 1-Z (gradi)
84	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
84	44	700.00	-21.02	0.94	-0.06	-2.59	0.0	-6.62e-04
84	44	753.33	-21.02	0.94	-0.06	-3.09	-0.03	-1.16e-03
84	44	806.67	-23.27	-2.88	-0.06	-1.56	-0.07	-1.19e-03
84	44	860.00	-22.94	-2.88	-0.06	-0.02	-0.10	-1.01e-03
84	44	910.00	-22.62	-2.88	-0.06	1.42	-0.13	-4.96e-04
84	44	960.00	-22.30	-2.88	-0.06	2.86	-0.16	5.82e-04
84	44	1010.00	-17.83	0.99	0.18	1.29	-0.08	3.42e-03
84	44	1060.00	-10.60	0.38	0.15	0.36	0.0	2.73e-03
84	52	700.00	-18.76	1.30	3.27e-04	-3.44	0.0	2.22e-04
84	52	753.33	-18.76	1.30	3.27e-04	-4.13	1.74e-04	3.26e-04
84	52	806.67	-21.37	-3.89	3.27e-04	-2.06	3.49e-04	3.86e-04
84	52	860.00	-21.04	-3.89	3.27e-04	0.01	5.23e-04	4.14e-04
84	52	910.00	-20.72	-3.89	3.27e-04	1.95	6.86e-04	4.32e-04
84	52	960.00	-20.41	-3.89	3.27e-04	3.90	8.50e-04	4.52e-04
84	52	1010.00	-16.66	1.41	-1.20e-03	1.74	2.49e-04	4.81e-04
84	52	1060.00	-10.19	0.60	-4.98e-04	0.47	0.0	3.83e-04
84	55	700.00	-4.83	1.05	2.39e-04	-2.71	0.0	1.83e-04
84	55	753.33	-4.83	1.05	2.39e-04	-3.27	1.27e-04	2.67e-04
84	55	806.67	-6.74	-3.10	2.39e-04	-1.62	2.54e-04	3.18e-04
84	55	860.00	-6.49	-3.10	2.39e-04	0.03	3.82e-04	3.44e-04
84	55	910.00	-6.24	-3.10	2.39e-04	1.58	5.01e-04	3.63e-04
84	55	960.00	-6.00	-3.10	2.39e-04	3.12	6.20e-04	3.87e-04
84	55	1010.00	-5.65	1.16	-8.55e-04	1.39	1.93e-04	4.34e-04
84	55	1060.00	-3.98	0.51	-3.86e-04	0.37	0.0	3.42e-04
84	81	700.00	-35.22	0.55	2.30e-04	-1.71	0.0	9.86e-05
84	81	753.33	-35.22	0.55	2.30e-04	-2.01	1.23e-04	1.51e-04
84	81	806.67	-37.02	-1.83	2.30e-04	-1.03	2.45e-04	1.75e-04
84	81	860.00	-36.69	-1.83	2.30e-04	-0.06	3.68e-04	1.82e-04
84	81	910.00	-36.37	-1.83	2.30e-04	0.85	4.83e-04	1.80e-04
84	81	960.00	-36.06	-1.83	2.30e-04	1.77	5.98e-04	1.67e-04
84	81	1010.00	-27.50	0.55	-9.13e-04	0.81	1.41e-04	1.22e-04
84	81	1060.00	-15.37	0.14	-2.82e-04	0.24	0.0	1.05e-04
84	121	700.00	-10.52	1.97	0.42	-4.69	0.11	-2.24e-04
84	121	753.33	-10.52	1.97	0.42	-4.98	0.11	-2.55e-04
84	121	806.67	-12.21	-5.53	0.30	-3.42	0.29	-1.90e-04
84	121	860.00	-11.95	-5.49	0.20	-0.54	0.42	8.51e-05
84	121	910.00	-11.33	-5.45	0.10	2.32	0.50	8.37e-04
84	121	960.00	-11.22	-5.42	0.01	4.97	0.53	1.95e-03
84	121	1010.00	-9.03	2.20	-0.48	2.71	0.41	5.30e-03
84	121	1060.00	-5.32	0.96	-0.62	0.71	0.16	5.64e-03
84	129	700.00	-9.23	4.98	0.21	-10.59	0.03	3.14e-03
84	129	753.33	-9.23	4.98	0.21	-10.89	0.03	4.19e-03
84	129	806.67	-10.35	-13.18	0.08	-8.12	0.07	4.86e-03
84	129	860.00	-10.10	-13.05	0.06	-1.26	0.10	4.94e-03
84	129	910.00	-9.72	-12.92	0.03	5.39	0.12	4.56e-03
84	129	960.00	-9.42	-12.78	0.02	11.73	0.13	3.70e-03
84	129	1010.00	-7.93	5.52	-0.13	6.71	0.10	3.10e-03
84	129	1060.00	-4.94	2.42	-0.29	1.74	0.07	3.35e-03
84	142	700.00	-11.49	-3.42	0.08	6.51	0.04	-1.50e-03
84	142	753.33	-11.49	-3.42	0.08	6.21	0.04	-1.97e-03
84	142	806.67	-13.41	8.50	0.11	5.49	0.06	-2.26e-03
84	142	860.00	-13.13	8.41	0.08	1.08	0.17	-2.27e-03
84	142	910.00	-12.79	8.31	0.04	-3.19	0.20	-1.95e-03
84	142	960.00	-12.59	8.21	-6.27e-03	-7.26	0.21	-1.42e-03
84	142	1010.00	-9.81	-3.80	-0.18	-4.56	0.09	-3.99e-04
84	142	1060.00	-5.59	-1.68	-0.13	-1.15	0.03	-4.70e-05
84	143	700.00	-8.75	4.54	-0.08	-9.63	-0.04	1.71e-03
84	143	753.33	-8.75	4.54	-0.08	-9.93	-0.04	2.29e-03
84	143	806.67	-9.55	-11.97	-0.11	-7.37	-0.06	2.63e-03
84	143	860.00	-9.31	-11.88	-0.08	-1.10	-0.17	2.66e-03
84	143	910.00	-9.15	-11.78	-0.04	4.90	-0.20	2.36e-03
84	143	960.00	-8.88	-11.68	6.62e-03	10.71	-0.21	1.84e-03
84	143	1010.00	-7.55	4.99	0.18	6.11	-0.09	8.21e-04
84	143	1060.00	-4.80	2.14	0.13	1.59	-0.03	3.86e-04
84	153	700.00	-10.57	2.16	0.48	-5.09	0.12	-2.61e-04
84	153	753.33	-10.57	2.16	0.48	-5.39	0.12	-3.01e-04
84	153	806.67	-12.29	-6.03	0.34	-3.75	0.32	-2.30e-04
84	153	860.00	-12.04	-5.99	0.23	-0.60	0.47	7.80e-05
84	153	910.00	-11.37	-5.94	0.12	2.51	0.56	9.22e-04
84	153	960.00	-11.27	-5.90	0.01	5.40	0.59	2.18e-03
84	153	1010.00	-9.07	2.41	-0.54	2.97	0.46	5.93e-03
84	153	1060.00	-5.34	1.05	-0.70	0.78	0.17	6.32e-03
84	161	700.00	-9.11	5.57	0.24	-11.79	0.03	3.53e-03

84	161	753.33	-9.11	5.57	0.24	-12.09	0.03	4.71e-03
84	161	806.67	-10.19	-14.70	0.09	-9.07	0.08	5.45e-03
84	161	860.00	-9.95	-14.55	0.06	-1.42	0.11	5.55e-03
84	161	910.00	-9.55	-14.40	0.03	5.99	0.13	5.12e-03
84	161	960.00	-9.24	-14.24	0.02	13.06	0.14	4.16e-03
84	161	1010.00	-7.83	6.17	-0.14	7.50	0.11	3.46e-03
84	161	1060.00	-4.91	2.71	-0.33	1.94	0.08	3.74e-03
84	174	700.00	-11.66	-3.94	0.09	7.57	0.04	-1.71e-03
84	174	753.33	-11.66	-3.94	0.09	7.27	0.04	-2.24e-03
84	174	806.67	-13.66	9.85	0.13	6.34	0.07	-2.57e-03
84	174	860.00	-13.38	9.74	0.09	1.22	0.19	-2.58e-03
84	174	910.00	-13.03	9.63	0.04	-3.72	0.22	-2.23e-03
84	174	960.00	-12.83	9.52	-7.13e-03	-8.44	0.24	-1.64e-03
84	174	1010.00	-9.95	-4.37	-0.21	-5.26	0.10	-4.86e-04
84	174	1060.00	-5.64	-1.94	-0.14	-1.33	0.04	-7.91e-05
84	175	700.00	-8.57	5.06	-0.09	-10.69	-0.04	1.92e-03
84	175	753.33	-8.57	5.06	-0.09	-10.99	-0.04	2.56e-03
84	175	806.67	-9.30	-13.32	-0.13	-8.21	-0.07	2.94e-03
84	175	860.00	-9.07	-13.21	-0.08	-1.25	-0.19	2.98e-03
84	175	910.00	-8.92	-13.10	-0.04	5.44	-0.22	2.63e-03
84	175	960.00	-8.64	-12.99	7.48e-03	11.89	-0.23	2.06e-03
84	175	1010.00	-7.41	5.57	0.20	6.81	-0.10	9.08e-04
84	175	1060.00	-4.75	2.39	0.14	1.77	-0.04	4.18e-04
84	185	700.00	-10.54	2.21	0.47	-5.18	0.12	-2.27e-04
84	185	753.33	-10.54	2.21	0.47	-5.48	0.12	-2.56e-04
84	185	806.67	-12.25	-6.15	0.33	-3.82	0.32	-1.78e-04
84	185	860.00	-12.01	-6.11	0.22	-0.61	0.46	1.30e-04
84	185	910.00	-11.34	-6.06	0.11	2.57	0.55	9.54e-04
84	185	960.00	-11.24	-6.02	0.01	5.52	0.58	2.20e-03
84	185	1010.00	-9.05	2.47	-0.53	3.04	0.45	5.86e-03
84	185	1060.00	-5.33	1.08	-0.69	0.80	0.17	6.20e-03
84	193	700.00	-9.07	5.76	0.23	-12.15	0.03	3.54e-03
84	193	753.33	-9.07	5.76	0.23	-12.45	0.03	4.72e-03
84	193	806.67	-10.13	-15.17	0.09	-9.36	0.08	5.48e-03
84	193	860.00	-9.88	-15.02	0.06	-1.45	0.11	5.59e-03
84	193	910.00	-9.49	-14.86	0.03	6.19	0.13	5.20e-03
84	193	960.00	-9.18	-14.70	0.02	13.48	0.14	4.27e-03
84	193	1010.00	-7.79	6.38	-0.14	7.75	0.10	3.47e-03
84	193	1060.00	-4.89	2.81	-0.32	2.01	0.08	3.62e-03
84	206	700.00	-11.69	-4.06	0.09	7.81	0.04	-1.70e-03
84	206	753.33	-11.69	-4.06	0.09	7.51	0.04	-2.24e-03
84	206	806.67	-13.70	10.16	0.13	6.53	0.07	-2.57e-03
84	206	860.00	-13.42	10.05	0.08	1.25	0.19	-2.59e-03
84	206	910.00	-13.07	9.94	0.04	-3.85	0.22	-2.26e-03
84	206	960.00	-12.87	9.82	-7.39e-03	-8.71	0.23	-1.70e-03
84	206	1010.00	-9.98	-4.51	-0.20	-5.42	0.10	-5.42e-04
84	206	1060.00	-5.65	-2.00	-0.14	-1.38	0.04	-9.48e-05
84	207	700.00	-8.54	5.18	-0.09	-10.93	-0.04	1.91e-03
84	207	753.33	-8.54	5.18	-0.09	-11.23	-0.04	2.55e-03
84	207	806.67	-9.26	-13.63	-0.13	-8.40	-0.07	2.94e-03
84	207	860.00	-9.02	-13.52	-0.08	-1.27	-0.18	2.98e-03
84	207	910.00	-8.88	-13.41	-0.04	5.56	-0.22	2.66e-03
84	207	960.00	-8.60	-13.29	7.74e-03	12.16	-0.23	2.11e-03
84	207	1010.00	-7.39	5.71	0.20	6.98	-0.10	9.64e-04
84	207	1060.00	-4.74	2.45	0.14	1.81	-0.04	4.33e-04
84	217	700.00	-10.59	2.54	0.55	-5.90	0.13	-2.52e-04
84	217	753.33	-10.59	2.54	0.55	-6.20	0.13	-2.85e-04
84	217	806.67	-12.36	-7.03	0.38	-4.39	0.37	-1.92e-04
84	217	860.00	-12.11	-6.98	0.26	-0.72	0.54	1.67e-04
84	217	910.00	-11.38	-6.93	0.13	2.91	0.64	1.12e-03
84	217	960.00	-11.30	-6.87	0.01	6.28	0.67	2.56e-03
84	217	1010.00	-9.10	2.84	-0.62	3.49	0.52	6.80e-03
84	217	1060.00	-5.35	1.25	-0.80	0.91	0.20	7.20e-03
84	225	700.00	-8.85	6.82	0.27	-14.31	0.04	4.19e-03
84	225	753.33	-8.85	6.82	0.27	-14.61	0.04	5.59e-03
84	225	806.67	-9.84	-17.93	0.10	-11.08	0.09	6.49e-03
84	225	860.00	-9.59	-17.74	0.07	-1.74	0.13	6.63e-03
84	225	910.00	-9.19	-17.54	0.04	7.28	0.15	6.17e-03
84	225	960.00	-8.86	-17.35	0.02	15.89	0.16	5.09e-03
84	225	1010.00	-7.61	7.56	-0.16	9.18	0.12	4.11e-03
84	225	1060.00	-4.83	3.33	-0.38	2.38	0.09	4.23e-03
84	238	700.00	-11.98	-4.94	0.10	9.59	0.05	-2.02e-03
84	238	753.33	-11.98	-4.94	0.10	9.29	0.05	-2.66e-03
84	238	806.67	-14.10	12.42	0.15	7.95	0.08	-3.06e-03
84	238	860.00	-13.83	12.29	0.10	1.49	0.22	-3.09e-03

84	238	910.00	-13.46	12.16	0.05	-4.74	0.26	-2.71e-03
84	238	960.00	-13.26	12.02	-8.85e-03	-10.70	0.27	-2.07e-03
84	238	1010.00	-10.21	-5.48	-0.23	-6.60	0.12	-7.15e-04
84	238	1060.00	-5.74	-2.42	-0.16	-1.68	0.04	-1.67e-04
84	239	700.00	-8.25	6.06	-0.10	-12.72	-0.05	2.23e-03
84	239	753.33	-8.25	6.06	-0.10	-13.01	-0.05	2.97e-03
84	239	806.67	-8.85	-15.89	-0.15	-9.82	-0.08	3.43e-03
84	239	860.00	-8.62	-15.76	-0.10	-1.51	-0.22	3.48e-03
84	239	910.00	-8.49	-15.63	-0.05	6.46	-0.26	3.12e-03
84	239	960.00	-8.21	-15.49	9.21e-03	14.15	-0.27	2.48e-03
84	239	1010.00	-7.15	6.68	0.23	8.16	-0.12	1.14e-03
84	239	1060.00	-4.66	2.87	0.16	2.11	-0.04	5.05e-04
84	264	700.00	-15.34	0.65	-0.04	-1.81	0.0	-4.36e-04
84	264	753.33	-15.34	0.65	-0.04	-2.16	-0.02	-7.64e-04
84	264	806.67	-16.90	-2.02	-0.04	-1.09	-0.04	-7.83e-04
84	264	860.00	-16.65	-2.02	-0.04	-0.01	-0.07	-6.60e-04
84	264	910.00	-16.40	-2.02	-0.04	0.99	-0.09	-3.20e-04
84	264	960.00	-16.16	-2.02	-0.04	2.00	-0.11	4.00e-04
84	264	1010.00	-12.86	0.69	0.12	0.90	-0.05	2.29e-03
84	264	1060.00	-7.59	0.26	0.10	0.25	0.0	1.83e-03
84	267	700.00	-8.02	0.84	2.06e-04	-2.21	0.0	1.46e-04
84	267	753.33	-8.02	0.84	2.06e-04	-2.66	1.10e-04	2.14e-04
84	267	806.67	-9.64	-2.51	2.06e-04	-1.33	2.20e-04	2.54e-04
84	267	860.00	-9.39	-2.51	2.06e-04	0.01	3.29e-04	2.74e-04
84	267	910.00	-9.14	-2.51	2.06e-04	1.27	4.32e-04	2.87e-04
84	267	960.00	-8.90	-2.51	2.06e-04	2.52	5.35e-04	3.02e-04
84	267	1010.00	-7.56	0.92	-7.48e-04	1.12	1.61e-04	3.29e-04
84	267	1060.00	-4.80	0.40	-3.22e-04	0.30	0.0	2.61e-04
84	268	700.00	-13.83	0.90	2.26e-04	-2.38	0.0	1.53e-04
84	268	753.33	-13.83	0.90	2.26e-04	-2.86	1.20e-04	2.25e-04
84	268	806.67	-15.64	-2.68	2.26e-04	-1.43	2.41e-04	2.67e-04
84	268	860.00	-15.38	-2.68	2.26e-04	5.38e-03	3.61e-04	2.87e-04
84	268	910.00	-15.13	-2.68	2.26e-04	1.35	4.74e-04	2.99e-04
84	268	960.00	-14.89	-2.68	2.26e-04	2.69	5.87e-04	3.13e-04
84	268	1010.00	-12.08	0.97	-8.31e-04	1.20	1.72e-04	3.33e-04
84	268	1060.00	-7.32	0.41	-3.43e-04	0.33	0.0	2.65e-04
84	281	700.00	-24.80	0.40	1.61e-04	-1.23	0.0	7.13e-05
84	281	753.33	-24.80	0.40	1.61e-04	-1.44	8.60e-05	1.09e-04
84	281	806.67	-26.07	-1.31	1.61e-04	-0.74	1.72e-04	1.26e-04
84	281	860.00	-25.82	-1.31	1.61e-04	-0.04	2.58e-04	1.32e-04
84	281	910.00	-25.57	-1.31	1.61e-04	0.61	3.39e-04	1.31e-04
84	281	960.00	-25.33	-1.31	1.61e-04	1.27	4.19e-04	1.23e-04
84	281	1010.00	-19.30	0.40	-6.39e-04	0.58	9.97e-05	9.44e-05
84	281	1060.00	-10.77	0.11	-1.99e-04	0.17	0.0	8.04e-05
84	298	700.00	-9.62	0.59	1.85e-04	-1.65	0.0	1.12e-04
84	298	753.33	-9.62	0.59	1.85e-04	-1.96	9.88e-05	1.67e-04
84	298	806.67	-11.06	-1.83	1.85e-04	-0.99	1.98e-04	1.96e-04
84	298	860.00	-10.80	-1.83	1.85e-04	-0.01	2.96e-04	2.10e-04
84	298	910.00	-10.55	-1.83	1.85e-04	0.91	3.89e-04	2.17e-04
84	298	960.00	-10.31	-1.83	1.85e-04	1.82	4.82e-04	2.23e-04
84	298	1010.00	-8.43	0.63	-6.97e-04	0.82	1.33e-04	2.27e-04
84	298	1060.00	-5.11	0.24	-2.66e-04	0.23	0.0	1.82e-04
84	299	700.00	-15.44	0.39	1.25e-04	-1.12	0.0	6.64e-05
84	299	753.33	-15.44	0.39	1.25e-04	-1.32	6.67e-05	9.91e-05
84	299	806.67	-16.40	-1.22	1.25e-04	-0.67	1.33e-04	1.16e-04
84	299	860.00	-16.15	-1.22	1.25e-04	-0.02	2.00e-04	1.23e-04
84	299	910.00	-15.90	-1.22	1.25e-04	0.59	2.63e-04	1.25e-04
84	299	960.00	-15.66	-1.22	1.25e-04	1.21	3.25e-04	1.24e-04
84	299	1010.00	-12.01	0.41	-4.79e-04	0.55	8.57e-05	1.14e-04
84	299	1060.00	-6.73	0.14	-1.71e-04	0.16	0.0	9.34e-05
84	305	700.00	-10.10	0.56	-8.23e-03	-1.56	0.0	-6.19e-06
84	305	753.33	-10.10	0.56	-8.23e-03	-1.86	-4.39e-03	-3.21e-05
84	305	806.67	-11.45	-1.74	-8.23e-03	-0.94	-8.78e-03	-1.44e-05
84	305	860.00	-11.19	-1.74	-8.23e-03	-0.01	-0.01	2.01e-05
84	305	910.00	-10.94	-1.74	-8.23e-03	0.86	-0.02	9.33e-05
84	305	960.00	-10.70	-1.74	-8.23e-03	1.73	-0.02	2.41e-04
84	305	1010.00	-8.66	0.60	0.02	0.78	-9.92e-03	6.23e-04
84	305	1060.00	-5.19	0.23	0.02	0.22	0.0	4.98e-04
84	307	700.00	-10.08	0.61	1.73e-04	-1.67	0.0	1.09e-04
84	307	753.33	-10.08	0.61	1.73e-04	-1.99	9.21e-05	1.62e-04
84	307	806.67	-11.43	-1.86	1.73e-04	-1.00	1.84e-04	1.91e-04
84	307	860.00	-11.17	-1.86	1.73e-04	-3.85e-03	2.76e-04	2.05e-04
84	307	910.00	-10.92	-1.86	1.73e-04	0.93	3.63e-04	2.13e-04
84	307	960.00	-10.68	-1.86	1.73e-04	1.86	4.49e-04	2.20e-04
84	307	1010.00	-8.64	0.66	-6.42e-04	0.83	1.28e-04	2.29e-04

84	307	1060.00	-5.18	0.26	-2.55e-04	0.23	0.0	1.83e-04
84	309	700.00	-13.12	0.37	1.17e-04	-1.05	0.0	6.34e-05
84	309	753.33	-13.12	0.37	1.17e-04	-1.25	6.25e-05	9.46e-05
84	309	806.67	-14.01	-1.15	1.17e-04	-0.63	1.25e-04	1.11e-04
84	309	860.00	-13.75	-1.15	1.17e-04	-0.01	1.87e-04	1.18e-04
84	309	910.00	-13.50	-1.15	1.17e-04	0.56	2.46e-04	1.20e-04
84	309	960.00	-13.26	-1.15	1.17e-04	1.14	3.05e-04	1.20e-04
84	309	1010.00	-10.20	0.39	-4.46e-04	0.52	8.15e-05	1.13e-04
84	309	1060.00	-5.72	0.14	-1.63e-04	0.15	0.0	9.16e-05
84	310	700.00	-10.12	0.56	1.76e-04	-1.56	0.0	1.05e-04
84	310	753.33	-10.12	0.56	1.76e-04	-1.86	9.36e-05	1.56e-04
84	310	806.67	-11.48	-1.74	1.76e-04	-0.94	1.87e-04	1.84e-04
84	310	860.00	-11.22	-1.74	1.76e-04	-0.01	2.81e-04	1.97e-04
84	310	910.00	-10.97	-1.74	1.76e-04	0.86	3.69e-04	2.03e-04
84	310	960.00	-10.73	-1.74	1.76e-04	1.72	4.56e-04	2.08e-04
84	310	1010.00	-8.68	0.60	-6.61e-04	0.78	1.26e-04	2.11e-04
84	310	1060.00	-5.20	0.23	-2.52e-04	0.22	0.0	1.69e-04

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-37.02	-17.93	-0.80	-14.61	-0.27	-3.09e-03
			-3.98	12.42	0.55	15.89	0.67	7.20e-03

Macro	Tipo	Angolo 1-Z (gradi)
85	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
85	28	700.00	-20.20	-5.12	0.11	1.65	-1.49e-06	0.02
85	28	753.33	-20.20	-5.12	0.11	-1.08	0.06	0.02
85	28	806.67	-17.62	-6.06	-0.02	-2.36	0.05	3.53e-03
85	28	860.00	-13.96	-5.77	-0.04	-3.26	0.03	-1.83e-03
85	28	910.00	-10.45	-5.47	-0.02	-3.91	0.02	-2.20e-03
85	28	960.00	-7.20	-5.21	6.53e-04	-4.62	0.02	-1.65e-03
85	28	1010.00	-5.16	-1.38	2.31e-03	-3.14	0.02	-2.49e-03
85	28	1060.00	-2.37	-0.17	-0.03	-1.54	2.48e-06	-4.46e-03
85	45	700.00	-9.66	-2.54	0.03	0.02	-1.33e-06	4.86e-03
85	45	753.33	-9.66	-2.54	0.03	-1.34	0.02	5.07e-03
85	45	806.67	-8.18	-2.80	-9.42e-03	-1.92	0.01	2.73e-04
85	45	860.00	-6.36	-2.34	-0.02	-2.27	3.33e-03	-9.69e-04
85	45	910.00	-4.69	-1.86	-9.31e-03	-2.40	-1.33e-03	-5.49e-04
85	45	960.00	-3.22	-1.40	1.15e-03	-2.45	-7.52e-04	3.04e-04
85	45	1010.00	-2.34	0.60	7.10e-03	-1.45	2.80e-03	7.41e-04
85	45	1060.00	-1.08	1.19	-5.60e-03	-0.50	0.0	-2.92e-04
85	70	700.00	-10.25	-1.10	2.83	-0.39	0.0	-0.26
85	70	753.33	-10.25	-1.10	2.83	-0.98	1.51	-0.36
85	70	806.67	-9.27	-1.40	1.73	-1.20	2.43	-0.21
85	70	860.00	-7.91	-1.40	0.76	-1.40	2.84	-0.07
85	70	910.00	-6.56	-1.40	-0.13	-1.55	2.77	0.08
85	70	960.00	-5.22	-1.40	-0.99	-1.69	2.28	0.21
85	70	1010.00	-3.85	-0.53	-1.96	-1.42	1.30	0.30
85	70	1060.00	-1.82	-0.19	-2.60	-0.91	1.02e-06	0.24
85	83	700.00	-20.54	-4.47	-0.76	1.88	0.0	0.09
85	83	753.33	-20.54	-4.47	-0.76	-0.50	-0.40	0.12
85	83	806.67	-17.92	-5.43	-0.55	-1.38	-0.70	0.06
85	83	860.00	-14.31	-5.41	-0.28	-2.12	-0.85	0.02
85	83	910.00	-10.87	-5.40	0.02	-2.79	-0.84	-0.02
85	83	960.00	-7.71	-5.41	0.31	-3.67	-0.68	-0.06
85	83	1010.00	-5.60	-2.18	0.61	-2.82	-0.38	-0.09
85	83	1060.00	-2.74	-1.10	0.76	-1.76	2.97e-06	-0.07
85	129	700.00	16.86	13.16	1.01	-4.80	0.25	1.06e-03
85	129	753.33	16.86	13.16	1.01	-6.03	0.28	0.01
85	129	806.67	12.05	12.33	0.69	-4.77	0.71	8.39e-03
85	129	860.00	-1.39	12.09	0.51	0.99	1.05	0.03
85	129	910.00	-6.22	11.83	0.42	2.25	1.28	0.05
85	129	960.00	-10.36	11.75	0.11	3.92	1.41	0.04
85	129	1010.00	-7.83	0.79	-1.10	2.41	1.17	-1.47e-03
85	129	1060.00	-2.79	-2.51	-1.78	0.37	0.42	-0.02
85	132	700.00	-40.74	-17.76	-0.89	7.02	-0.25	0.02
85	132	753.33	-40.74	-17.76	-0.89	5.80	-0.22	6.62e-03
85	132	806.67	-33.22	-17.77	-0.71	3.53	-0.66	-4.93e-03
85	132	860.00	-15.75	-17.51	-0.55	-3.03	-1.03	-0.03
85	132	910.00	-7.00	-17.24	-0.44	-4.93	-1.26	-0.05

85	132	960.00	0.84	-17.17	-0.11	-7.40	-1.40	-0.04
85	132	1010.00	1.23	-2.85	1.10	-4.94	-1.15	-1.04e-03
85	132	1060.00	-0.07	1.65	1.75	-1.82	-0.42	0.02
85	161	700.00	20.67	15.20	1.14	-5.60	0.29	-5.81e-06
85	161	753.33	20.67	15.20	1.14	-6.83	0.32	0.01
85	161	806.67	15.04	14.32	0.78	-5.35	0.80	9.18e-03
85	161	860.00	-0.40	14.04	0.58	1.20	1.19	0.03
85	161	910.00	-6.13	13.75	0.48	2.67	1.44	0.05
85	161	960.00	-11.07	13.66	0.13	4.62	1.60	0.04
85	161	1010.00	-8.41	1.06	-1.24	2.86	1.32	-1.46e-03
85	161	1060.00	-2.96	-2.76	-2.02	0.50	0.48	-0.02
85	164	700.00	-44.55	-19.80	-1.02	7.83	-0.29	0.02
85	164	753.33	-44.55	-19.80	-1.02	6.60	-0.26	6.24e-03
85	164	806.67	-36.21	-19.75	-0.80	4.10	-0.75	-5.72e-03
85	164	860.00	-16.75	-19.46	-0.62	-3.24	-1.16	-0.03
85	164	910.00	-7.09	-19.16	-0.50	-5.35	-1.43	-0.05
85	164	960.00	1.55	-19.08	-0.13	-8.10	-1.58	-0.04
85	164	1010.00	1.81	-3.11	1.24	-5.39	-1.30	-1.05e-03
85	164	1060.00	0.11	1.91	1.98	-1.96	-0.48	0.02
85	193	700.00	21.73	15.72	1.17	-5.94	0.30	-1.61e-04
85	193	753.33	21.73	15.72	1.17	-7.16	0.33	0.01
85	193	806.67	15.86	14.88	0.81	-5.67	0.83	8.91e-03
85	193	860.00	0.19	14.60	0.60	0.92	1.23	0.03
85	193	910.00	-5.88	14.30	0.49	2.48	1.50	0.05
85	193	960.00	-11.09	14.20	0.13	4.54	1.66	0.04
85	193	1010.00	-8.49	1.25	-1.29	2.82	1.37	-1.23e-03
85	193	1060.00	-2.98	-2.72	-2.09	0.49	0.50	-0.03
85	196	700.00	-45.61	-20.33	-1.06	8.16	-0.30	0.02
85	196	753.33	-45.61	-20.33	-1.06	6.93	-0.27	6.59e-03
85	196	806.67	-37.03	-20.32	-0.83	4.42	-0.78	-5.45e-03
85	196	860.00	-17.33	-20.02	-0.64	-2.96	-1.21	-0.03
85	196	910.00	-7.34	-19.70	-0.51	-5.17	-1.48	-0.06
85	196	960.00	1.57	-19.62	-0.13	-8.02	-1.64	-0.04
85	196	1010.00	1.89	-3.30	1.29	-5.35	-1.35	-1.28e-03
85	196	1060.00	0.13	1.86	2.05	-1.94	-0.50	0.02
85	225	700.00	28.54	19.33	1.40	-7.47	0.36	-2.12e-03
85	225	753.33	28.54	19.33	1.40	-8.70	0.39	0.01
85	225	806.67	21.20	18.44	0.97	-6.82	0.99	0.01
85	225	860.00	2.16	18.10	0.72	1.08	1.48	0.04
85	225	910.00	-5.56	17.74	0.59	3.05	1.80	0.06
85	225	960.00	-12.23	17.62	0.16	5.61	1.99	0.05
85	225	1010.00	-9.47	1.79	-1.55	3.53	1.64	-1.11e-03
85	225	1060.00	-3.28	-3.09	-2.51	0.70	0.60	-0.03
85	228	700.00	-52.42	-23.94	-1.29	9.69	-0.36	0.02
85	228	753.33	-52.42	-23.94	-1.29	8.46	-0.33	6.06e-03
85	228	806.67	-42.37	-23.87	-0.99	5.57	-0.94	-6.70e-03
85	228	860.00	-19.30	-23.52	-0.77	-3.11	-1.45	-0.04
85	228	910.00	-7.65	-23.15	-0.62	-5.73	-1.79	-0.07
85	228	960.00	2.72	-23.05	-0.16	-9.10	-1.98	-0.05
85	228	1010.00	2.87	-3.85	1.55	-6.06	-1.63	-1.41e-03
85	228	1060.00	0.42	2.23	2.48	-2.15	-0.60	0.02
85	256	700.00	-14.50	-3.53	0.08	1.15	0.0	0.01
85	256	753.33	-14.50	-3.53	0.08	-0.73	0.04	0.01
85	256	806.67	-12.67	-4.16	-0.01	-1.59	0.03	2.31e-03
85	256	860.00	-10.07	-3.97	-0.03	-2.20	0.02	-1.30e-03
85	256	910.00	-7.57	-3.77	-0.02	-2.64	9.79e-03	-1.46e-03
85	256	960.00	-5.27	-3.59	9.19e-04	-3.13	0.01	-9.89e-04
85	256	1010.00	-3.76	-0.96	2.43e-03	-2.14	0.01	-1.51e-03
85	256	1060.00	-1.72	-0.12	-0.02	-1.06	1.74e-06	-2.95e-03
85	261	700.00	-10.03	-2.30	0.03	0.27	0.0	4.96e-03
85	261	753.33	-10.03	-2.30	0.03	-0.96	0.02	5.12e-03
85	261	806.67	-8.61	-2.59	-0.01	-1.46	0.01	1.58e-04
85	261	860.00	-6.81	-2.28	-0.02	-1.78	2.70e-03	-1.03e-03
85	261	910.00	-5.13	-1.96	-9.15e-03	-1.95	-1.88e-03	-4.78e-04
85	261	960.00	-3.62	-1.65	2.23e-03	-2.09	-7.58e-04	4.64e-04
85	261	1010.00	-2.60	0.13	7.77e-03	-1.32	3.13e-03	8.58e-04
85	261	1060.00	-1.19	0.69	-6.27e-03	-0.56	0.0	-3.00e-04
85	274	700.00	-10.42	-1.34	1.90	-4.50e-03	0.0	-0.17
85	274	753.33	-10.42	-1.34	1.90	-0.72	1.01	-0.24
85	274	806.67	-9.34	-1.65	1.15	-0.97	1.63	-0.14
85	274	860.00	-7.84	-1.65	0.50	-1.20	1.89	-0.05
85	274	910.00	-6.37	-1.65	-0.09	-1.38	1.85	0.05
85	274	960.00	-4.95	-1.65	-0.66	-1.59	1.52	0.14
85	274	1010.00	-3.60	-0.62	-1.30	-1.30	0.87	0.20
85	274	1060.00	-1.68	-0.23	-1.74	-0.83	1.11e-06	0.16

85	283	700.00	-14.73	-3.09	-0.50	1.31	0.0	0.06
85	283	753.33	-14.73	-3.09	-0.50	-0.34	-0.27	0.08
85	283	806.67	-12.87	-3.74	-0.37	-0.94	-0.47	0.04
85	283	860.00	-10.30	-3.73	-0.19	-1.44	-0.56	0.01
85	283	910.00	-7.85	-3.72	0.01	-1.89	-0.56	-0.02
85	283	960.00	-5.61	-3.73	0.21	-2.49	-0.46	-0.04
85	283	1010.00	-4.05	-1.49	0.41	-1.92	-0.25	-0.06
85	283	1060.00	-1.96	-0.74	0.51	-1.21	2.07e-06	-0.05
85	301	700.00	-12.39	-2.41	0.06	1.10	0.0	9.05e-03
85	301	753.33	-12.39	-2.41	0.06	-0.19	0.03	9.65e-03
85	301	806.67	-10.96	-2.86	-0.01	-0.70	0.02	1.39e-03
85	301	860.00	-8.87	-2.85	-0.02	-1.11	0.01	-1.10e-03
85	301	910.00	-6.84	-2.85	-0.01	-1.45	5.33e-03	-9.47e-04
85	301	960.00	-4.93	-2.85	2.28e-03	-1.88	6.49e-03	-3.61e-04
85	301	1010.00	-3.45	-1.09	3.84e-03	-1.39	8.42e-03	-6.72e-04
85	301	1060.00	-1.54	-0.48	-0.02	-0.82	1.69e-06	-1.97e-03
85	304	700.00	-9.93	-1.69	0.03	0.58	0.0	4.45e-03
85	304	753.33	-9.93	-1.69	0.03	-0.33	0.02	4.51e-03
85	304	806.67	-8.72	-1.96	-0.01	-0.62	9.88e-03	-8.67e-05
85	304	860.00	-7.07	-1.89	-0.02	-0.86	1.01e-03	-9.95e-04
85	304	910.00	-5.50	-1.82	-7.84e-03	-1.05	-2.91e-03	-2.74e-04
85	304	960.00	-4.05	-1.77	3.78e-03	-1.28	-1.01e-03	7.34e-04
85	304	1010.00	-2.85	-0.50	8.29e-03	-0.95	3.14e-03	1.05e-03
85	304	1060.00	-1.28	-0.05	-6.29e-03	-0.56	0.0	-1.99e-04
85	305	700.00	-11.96	-2.45	0.06	1.03	0.0	9.47e-03
85	305	753.33	-11.96	-2.45	0.06	-0.27	0.03	0.01
85	305	806.67	-10.56	-2.88	-9.68e-03	-0.83	0.03	1.79e-03
85	305	860.00	-8.51	-2.81	-0.02	-1.25	0.01	-9.88e-04
85	305	910.00	-6.52	-2.74	-0.01	-1.57	7.98e-03	-1.15e-03
85	305	960.00	-4.65	-2.68	6.11e-04	-1.94	8.30e-03	-8.49e-04
85	305	1010.00	-3.23	-0.87	1.27e-03	-1.36	8.95e-03	-1.31e-03
85	305	1060.00	-1.41	-0.24	-0.02	-0.72	1.51e-06	-2.35e-03
85	306	700.00	-9.78	-1.45	0.40	0.53	0.0	-0.03
85	306	753.33	-9.78	-1.45	0.40	-0.24	0.22	-0.04
85	306	806.67	-8.68	-1.70	0.22	-0.48	0.33	-0.03
85	306	860.00	-7.13	-1.69	0.09	-0.70	0.38	-9.77e-03
85	306	910.00	-5.64	-1.69	-0.02	-0.88	0.37	0.01
85	306	960.00	-4.23	-1.70	-0.13	-1.11	0.30	0.03
85	306	1010.00	-2.97	-0.62	-0.25	-0.88	0.18	0.04
85	306	1060.00	-1.32	-0.21	-0.35	-0.57	1.09e-06	0.03
85	309	700.00	-9.91	-1.54	0.03	0.65	0.0	4.32e-03
85	309	753.33	-9.91	-1.54	0.03	-0.17	0.02	4.35e-03
85	309	806.67	-8.75	-1.80	-0.01	-0.41	9.39e-03	-1.48e-04
85	309	860.00	-7.14	-1.79	-0.02	-0.63	5.91e-04	-9.88e-04
85	309	910.00	-5.59	-1.79	-7.52e-03	-0.82	-3.17e-03	-2.23e-04
85	309	960.00	-4.15	-1.80	4.17e-03	-1.08	-1.07e-03	8.02e-04
85	309	1010.00	-2.91	-0.66	8.41e-03	-0.85	3.14e-03	1.10e-03
85	309	1060.00	-1.30	-0.23	-6.30e-03	-0.57	1.13e-06	-1.74e-04
85	310	700.00	-11.94	-2.30	0.06	1.11	0.0	9.34e-03
85	310	753.33	-11.94	-2.30	0.06	-0.12	0.03	0.01
85	310	806.67	-10.59	-2.72	-9.90e-03	-0.62	0.03	1.73e-03
85	310	860.00	-8.57	-2.71	-0.02	-1.02	0.01	-9.80e-04
85	310	910.00	-6.61	-2.70	-0.01	-1.34	7.72e-03	-1.10e-03
85	310	960.00	-4.76	-2.71	9.98e-04	-1.74	8.23e-03	-7.81e-04
85	310	1010.00	-3.30	-1.03	1.40e-03	-1.27	8.95e-03	-1.26e-03
85	310	1060.00	-1.43	-0.43	-0.02	-0.73	1.63e-06	-2.33e-03

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-52.42	-23.94	-2.60	-9.10	-1.98	-0.36
	28.54	19.33	2.83	9.69	2.84	0.30

Macro	Tipo	Angolo 1-Z (gradi)
86	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	kN	kN	kN	kN m	kN m	kN m
86	4	700.00	37.41	-10.32	1.19	-28.75	-7.38e-03	-0.11
86	4	753.33	34.18	-15.50	1.18	-40.35	0.63	-0.09
86	4	806.67	1.49	23.92	-0.50	-5.35	0.36	0.05
86	4	860.00	-7.39	20.58	-0.27	1.90	0.22	0.04
86	4	910.00	-15.83	19.57	-0.23	8.13	0.12	0.03
86	4	960.00	-24.15	19.60	-0.29	14.26	-0.02	0.03

86	4	1010.00	-32.63	20.44	-0.54	21.58	-0.29	0.04
86	4	1060.00	-34.32	12.59	0.58	24.68	0.0	-0.05
86	9	700.00	-18.40	1.40	0.63	6.36	-3.86e-03	-0.05
86	9	753.33	-21.54	-0.63	0.63	1.99	0.33	-0.04
86	9	806.67	-35.82	14.35	-0.29	15.92	0.18	0.03
86	9	860.00	-40.97	13.37	-0.16	20.00	0.10	0.02
86	9	910.00	-45.92	13.45	-0.15	24.17	0.03	0.02
86	9	960.00	-50.82	14.26	-0.23	28.84	-0.07	0.02
86	9	1010.00	-55.80	15.79	-0.48	35.22	-0.31	0.02
86	9	1060.00	-54.27	5.93	0.62	33.82	0.0	-0.06
86	28	700.00	36.63	-13.68	1.06	-25.28	2.55e-03	-0.12
86	28	753.33	34.00	-18.54	1.07	-37.70	0.57	-0.10
86	28	806.67	1.89	20.05	-0.60	-3.84	0.25	0.04
86	28	860.00	-6.87	17.17	-0.30	2.92	0.08	0.04
86	28	910.00	-15.24	16.56	-0.20	8.77	-0.03	0.04
86	28	960.00	-23.52	16.94	-0.21	14.56	-0.15	0.04
86	28	1010.00	-32.04	18.02	-0.42	21.57	-0.36	0.05
86	28	1060.00	-33.81	10.79	0.72	24.26	0.0	-0.04
86	51	700.00	48.12	-12.13	1.13	-35.29	-3.63e-03	-0.11
86	51	753.33	45.45	-17.30	1.12	-47.03	0.59	-0.10
86	51	806.67	13.41	22.41	-0.49	-12.08	0.34	0.04
86	51	860.00	5.25	19.02	-0.26	-5.24	0.20	0.03
86	51	910.00	-2.47	17.93	-0.20	0.42	0.10	0.03
86	51	960.00	-10.11	17.76	-0.24	5.83	-0.01	0.03
86	51	1010.00	-17.98	18.24	-0.44	12.08	-0.23	0.04
86	51	1060.00	-20.30	12.70	0.47	16.34	0.0	-0.03
86	116	700.00	14.78	-27.93	0.27	13.66	-0.12	-0.10
86	116	753.33	13.12	-30.61	0.27	7.28	0.20	-0.09
86	116	806.67	-1.24	-17.87	-0.70	19.94	-0.13	0.01
86	116	860.00	-4.94	-17.96	-0.29	19.17	-0.30	0.01
86	116	910.00	-8.25	-17.43	-0.19	18.57	-0.64	0.01
86	116	960.00	-11.88	-16.93	-0.06	18.54	-0.68	9.83e-03
86	116	1010.00	-15.50	-16.41	4.47e-03	18.56	-0.58	8.12e-03
86	116	1060.00	-13.16	-13.60	0.94	15.06	-0.15	-0.05
86	122	700.00	19.55	16.96	0.07	-37.08	-0.15	-0.04
86	122	753.33	17.88	14.28	0.07	-43.46	0.18	-0.04
86	122	806.67	-2.83	41.64	-0.33	-18.92	-0.12	0.01
86	122	860.00	-7.21	38.33	-0.22	-11.49	-0.22	0.02
86	122	910.00	-12.23	36.69	-0.12	-4.47	-0.27	0.02
86	122	960.00	-16.95	36.11	-0.04	1.95	-0.32	0.01
86	122	1010.00	-22.93	36.26	0.15	11.11	-0.33	9.78e-03
86	122	1060.00	-23.10	25.61	0.48	13.22	-0.04	-0.02
86	125	700.00	24.72	23.52	0.75	-52.04	0.03	-0.03
86	125	753.33	23.05	20.85	0.75	-58.42	0.36	-0.03
86	125	806.67	1.74	52.10	0.14	-32.21	0.35	0.02
86	125	860.00	-3.37	48.08	0.03	-22.74	0.42	0.02
86	125	910.00	-8.82	46.03	-0.04	-14.28	0.46	0.01
86	125	960.00	-13.94	45.27	-0.20	-6.51	0.39	0.01
86	125	1010.00	-20.58	45.37	-0.42	4.40	0.19	0.02
86	125	1060.00	-22.00	32.72	-0.30	8.99	0.16	-7.87e-03
86	141	700.00	29.39	13.94	1.71	-50.80	0.28	-0.03
86	141	753.33	27.72	11.26	1.71	-57.18	0.61	-0.03
86	141	806.67	7.94	41.78	0.57	-33.31	0.94	0.03
86	141	860.00	2.38	38.22	0.30	-24.75	1.19	0.02
86	141	910.00	-2.82	36.58	0.02	-17.63	1.30	0.01
86	141	960.00	-7.90	36.09	-0.41	-10.87	1.20	0.02
86	141	1010.00	-13.93	36.36	-1.19	-2.07	0.78	0.04
86	141	1060.00	-16.83	26.49	-1.10	4.57	0.36	-8.62e-03
86	148	700.00	14.19	-30.65	0.23	17.23	-0.14	-0.10
86	148	753.33	12.52	-33.33	0.22	10.85	0.19	-0.09
86	148	806.67	-1.50	-21.58	-0.75	22.81	-0.17	0.01
86	148	860.00	-5.12	-21.47	-0.31	21.50	-0.35	9.41e-03
86	148	910.00	-8.32	-20.81	-0.20	20.43	-0.73	0.01
86	148	960.00	-11.88	-20.26	-0.04	20.01	-0.77	8.79e-03
86	148	1010.00	-15.42	-19.73	0.04	19.55	-0.64	6.33e-03
86	148	1060.00	-12.70	-16.10	1.02	15.39	-0.17	-0.06
86	154	700.00	19.56	19.80	2.57e-03	-39.82	-0.16	-0.04
86	154	753.33	17.89	17.13	3.73e-04	-46.20	0.16	-0.04
86	154	806.67	-3.28	45.30	-0.33	-20.88	-0.15	0.01
86	154	860.00	-7.66	41.79	-0.23	-12.98	-0.26	0.02
86	154	910.00	-12.79	40.01	-0.12	-5.48	-0.31	0.02
86	154	960.00	-17.59	39.36	-0.03	1.36	-0.36	0.01
86	154	1010.00	-23.75	39.47	0.20	11.16	-0.36	8.22e-03
86	154	1060.00	-23.88	27.98	0.51	13.35	-0.05	-0.01
86	157	700.00	25.40	27.22	0.77	-56.74	0.04	-0.03

86	157	753.33	23.74	24.54	0.77	-63.12	0.36	-0.02
86	157	806.67	1.87	57.15	0.19	-35.89	0.37	0.02
86	157	860.00	-3.33	52.83	0.05	-25.69	0.46	0.02
86	157	910.00	-8.94	50.58	-0.04	-16.57	0.51	0.01
86	157	960.00	-14.19	49.72	-0.21	-8.21	0.44	0.01
86	157	1010.00	-21.11	49.78	-0.44	3.58	0.24	0.02
86	157	1060.00	-22.65	36.02	-0.38	8.58	0.18	-5.66e-03
86	173	700.00	30.71	16.51	1.85	-55.48	0.32	-0.03
86	173	753.33	29.04	13.83	1.85	-61.86	0.65	-0.02
86	173	806.67	8.86	45.65	0.68	-37.23	1.04	0.03
86	173	860.00	3.16	41.85	0.36	-28.05	1.34	0.02
86	173	910.00	-2.17	40.06	0.04	-20.42	1.47	9.76e-03
86	173	960.00	-7.37	39.50	-0.44	-13.18	1.37	0.02
86	173	1010.00	-13.64	39.75	-1.31	-3.72	0.90	0.04
86	173	1060.00	-16.85	29.10	-1.29	3.60	0.40	-6.42e-03
86	180	700.00	14.05	-30.41	0.20	17.22	-0.14	-0.10
86	180	753.33	12.38	-33.08	0.20	10.84	0.18	-0.09
86	180	806.67	-1.53	-21.37	-0.76	22.74	-0.19	0.01
86	180	860.00	-5.18	-21.27	-0.31	21.51	-0.36	9.35e-03
86	180	910.00	-8.41	-20.62	-0.20	20.49	-0.75	0.01
86	180	960.00	-11.95	-20.07	-0.04	20.05	-0.79	8.77e-03
86	180	1010.00	-15.41	-19.54	0.06	19.54	-0.65	6.04e-03
86	180	1060.00	-12.69	-15.97	1.04	15.30	-0.17	-0.06
86	186	700.00	19.36	19.26	-4.35e-03	-39.03	-0.17	-0.04
86	186	753.33	17.69	16.59	-6.55e-03	-45.41	0.16	-0.04
86	186	806.67	-3.26	44.48	-0.34	-20.31	-0.16	0.01
86	186	860.00	-7.70	41.01	-0.24	-12.47	-0.27	0.02
86	186	910.00	-12.83	39.27	-0.12	-5.03	-0.32	0.02
86	186	960.00	-17.66	38.63	-0.02	1.78	-0.37	0.01
86	186	1010.00	-23.53	38.75	0.21	11.05	-0.37	8.09e-03
86	186	1060.00	-23.83	27.43	0.52	13.53	-0.05	-0.01
86	189	700.00	25.38	26.84	0.79	-56.37	0.04	-0.03
86	189	753.33	23.71	24.16	0.78	-62.75	0.37	-0.02
86	189	806.67	1.85	56.67	0.20	-35.56	0.38	0.02
86	189	860.00	-3.34	52.38	0.05	-25.45	0.47	0.02
86	189	910.00	-8.92	50.15	-0.03	-16.38	0.52	0.01
86	189	960.00	-14.21	49.30	-0.21	-8.00	0.45	0.01
86	189	1010.00	-20.88	49.36	-0.45	3.37	0.25	0.02
86	189	1060.00	-22.70	35.72	-0.39	8.84	0.18	-5.76e-03
86	205	700.00	30.96	16.69	1.88	-56.05	0.33	-0.03
86	205	753.33	29.29	14.02	1.88	-62.43	0.65	-0.02
86	205	806.67	8.82	46.07	0.70	-37.53	1.06	0.03
86	205	860.00	3.22	42.25	0.37	-28.40	1.37	0.02
86	205	910.00	-2.09	40.45	0.05	-20.74	1.50	9.63e-03
86	205	960.00	-7.32	39.88	-0.45	-13.42	1.40	0.02
86	205	1010.00	-13.58	40.12	-1.34	-3.90	0.92	0.04
86	205	1060.00	-17.04	29.40	-1.32	3.82	0.41	-5.92e-03
86	218	700.00	19.26	23.25	-0.12	-42.68	-0.20	-0.04
86	218	753.33	17.59	20.57	-0.12	-49.07	0.13	-0.04
86	218	806.67	-3.97	49.57	-0.36	-22.89	-0.23	0.01
86	218	860.00	-8.43	45.82	-0.26	-14.39	-0.35	0.02
86	218	910.00	-13.71	43.88	-0.12	-6.28	-0.40	0.01
86	218	960.00	-18.65	43.13	-1.82e-03	1.12	-0.44	9.86e-03
86	218	1010.00	-24.74	43.20	0.30	11.20	-0.42	5.55e-03
86	218	1060.00	-24.97	30.70	0.57	13.80	-0.06	-0.01
86	221	700.00	26.46	32.29	0.83	-63.42	0.05	-0.02
86	221	753.33	24.79	29.62	0.82	-69.80	0.38	-0.02
86	221	806.67	2.10	64.15	0.28	-41.09	0.42	0.02
86	221	860.00	-3.23	59.42	0.09	-29.90	0.55	0.02
86	221	910.00	-9.05	56.90	-0.02	-19.84	0.62	0.01
86	221	960.00	-14.53	55.90	-0.23	-10.57	0.54	0.01
86	221	1010.00	-21.59	55.90	-0.49	2.05	0.32	0.02
86	221	1060.00	-23.66	40.62	-0.52	8.24	0.21	-2.43e-03
86	228	700.00	7.26	-26.74	-0.96	25.17	-0.43	-0.11
86	228	753.33	5.59	-29.41	-0.96	18.79	-0.11	-0.10
86	228	806.67	-9.34	-19.33	-1.41	31.87	-0.92	-3.59e-04
86	228	860.00	-11.95	-19.02	-0.71	29.84	-1.41	0.01
86	228	910.00	-15.00	-18.31	-0.29	28.84	-1.75	0.02
86	228	960.00	-18.17	-17.73	0.24	28.18	-1.76	8.37e-03
86	228	1010.00	-20.73	-17.15	1.03	26.90	-1.42	-0.01
86	228	1060.00	-17.53	-14.66	2.19	21.42	-0.46	-0.05
86	237	700.00	33.16	20.78	2.12	-63.66	0.39	-0.02
86	237	753.33	31.49	18.11	2.12	-70.04	0.72	-0.02
86	237	806.67	10.32	52.29	0.88	-43.88	1.23	0.03
86	237	860.00	4.52	48.09	0.47	-33.77	1.61	0.02

86	237	910.00	-0.99	46.04	0.08	-25.30	1.78	8.03e-03
86	237	960.00	-6.42	45.36	-0.51	-17.19	1.67	0.02
86	237	1010.00	-13.06	45.57	-1.54	-6.61	1.13	0.04
86	237	1060.00	-17.07	33.59	-1.63	2.29	0.49	-2.26e-03
86	244	700.00	24.53	-6.96	0.83	-19.15	-4.97e-03	-0.08
86	244	753.33	22.24	-10.51	0.82	-27.16	0.43	-0.07
86	244	806.67	-0.18	16.52	-0.35	-3.15	0.25	0.03
86	244	860.00	-6.27	14.23	-0.19	1.85	0.15	0.02
86	244	910.00	-12.06	13.56	-0.16	6.16	0.08	0.02
86	244	960.00	-17.76	13.61	-0.20	10.42	-0.02	0.02
86	244	1010.00	-23.58	14.22	-0.38	15.53	-0.21	0.03
86	244	1060.00	-24.62	8.68	0.41	17.59	0.0	-0.04
86	245	700.00	-12.68	0.85	0.45	4.26	-2.63e-03	-0.04
86	245	753.33	-14.90	-0.60	0.45	1.08	0.24	-0.03
86	245	806.67	-25.06	10.13	-0.21	11.03	0.13	0.02
86	245	860.00	-28.66	9.43	-0.11	13.91	0.07	0.02
86	245	910.00	-32.12	9.48	-0.10	16.85	0.02	0.01
86	245	960.00	-35.55	10.05	-0.16	20.14	-0.05	0.01
86	245	1010.00	-39.03	11.11	-0.34	24.62	-0.22	0.02
86	245	1060.00	-37.92	4.24	0.44	23.69	0.0	-0.04
86	256	700.00	24.01	-9.20	0.74	-16.83	1.64e-03	-0.08
86	256	753.33	22.12	-12.54	0.74	-25.39	0.40	-0.07
86	256	806.67	0.08	13.93	-0.41	-2.14	0.17	0.03
86	256	860.00	-5.93	11.96	-0.21	2.53	0.05	0.02
86	256	910.00	-11.66	11.56	-0.14	6.59	-0.02	0.03
86	256	960.00	-17.34	11.83	-0.15	10.62	-0.10	0.03
86	256	1010.00	-23.19	12.60	-0.30	15.52	-0.25	0.03
86	256	1060.00	-24.28	7.48	0.51	17.32	0.0	-0.03
86	267	700.00	31.67	-8.16	0.78	-23.51	-2.48e-03	-0.08
86	267	753.33	29.76	-11.71	0.78	-31.61	0.41	-0.07
86	267	806.67	7.76	15.51	-0.34	-7.63	0.23	0.03
86	267	860.00	2.16	13.20	-0.18	-2.91	0.14	0.02
86	267	910.00	-3.15	12.46	-0.14	1.02	0.07	0.02
86	267	960.00	-8.41	12.38	-0.17	4.79	-0.01	0.02
86	267	1010.00	-13.81	12.75	-0.31	9.19	-0.17	0.03
86	267	1060.00	-15.27	8.75	0.34	12.04	0.0	-0.02
86	298	700.00	22.30	-6.74	0.65	-16.55	-2.42e-03	-0.06
86	298	753.33	20.59	-9.62	0.65	-23.41	0.34	-0.06
86	298	806.67	2.47	12.53	-0.30	-3.87	0.19	0.02
86	298	860.00	-2.24	10.70	-0.16	0.03	0.10	0.02
86	298	910.00	-6.70	10.16	-0.12	3.35	0.04	0.02
86	298	960.00	-11.11	10.18	-0.15	6.58	-0.03	0.02
86	298	1010.00	-15.64	10.61	-0.27	10.41	-0.17	0.02
86	298	1060.00	-16.50	6.83	0.33	12.32	0.0	-0.03
86	299	700.00	-1.65	-1.59	0.38	-1.37	-8.62e-04	-0.04
86	299	753.33	-3.21	-3.00	0.38	-4.87	0.20	-0.03
86	299	806.67	-12.64	7.78	-0.19	4.84	0.10	0.02
86	299	860.00	-15.45	7.03	-0.10	7.17	0.05	0.01
86	299	910.00	-18.15	6.96	-0.08	9.41	5.67e-03	0.01
86	299	960.00	-20.83	7.28	-0.11	11.81	-0.05	0.01
86	299	1010.00	-23.58	7.94	-0.23	14.96	-0.16	0.02
86	299	1060.00	-23.04	3.69	0.32	14.97	0.0	-0.03
86	309	700.00	1.15	-2.01	0.37	-2.97	-9.71e-04	-0.03
86	309	753.33	-0.28	-3.44	0.37	-6.51	0.20	-0.03
86	309	806.67	-9.55	7.41	-0.18	3.20	0.10	0.02
86	309	860.00	-12.18	6.61	-0.10	5.42	0.05	0.01
86	309	910.00	-14.69	6.50	-0.08	7.51	9.67e-03	0.01
86	309	960.00	-17.18	6.74	-0.10	9.71	-0.04	0.01
86	309	1010.00	-19.75	7.28	-0.21	12.55	-0.14	0.01
86	309	1060.00	-19.35	3.66	0.29	12.81	0.0	-0.02
86	310	700.00	19.28	-6.06	0.61	-14.61	-2.21e-03	-0.06
86	310	753.33	17.61	-8.74	0.61	-20.99	0.32	-0.05
86	310	806.67	0.75	11.80	-0.28	-2.86	0.17	0.02
86	310	860.00	-3.66	10.11	-0.15	0.80	0.09	0.02
86	310	910.00	-7.84	9.64	-0.11	3.94	0.04	0.02
86	310	960.00	-11.98	9.69	-0.14	7.02	-0.03	0.02
86	310	1010.00	-16.23	10.13	-0.26	10.71	-0.16	0.02
86	310	1060.00	-16.90	6.37	0.32	12.39	0.0	-0.03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-55.80	-33.33	-1.63	-70.04	-1.76	-0.12
			48.12	64.15	2.19	35.22	1.78	0.05

Macro	Tipo	Angolo 1-Z (gradi)

87	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
87	43	340.00	-2.37	-5.16	5.30e-04	1.92	0.0	4.44e-04
87	43	393.33	-1.70	-4.60	-5.69e-04	-0.72	2.79e-04	8.66e-04
87	43	393.33	-1.70	-4.60	-5.69e-04	-0.72	2.79e-04	8.66e-04
87	43	393.33	-1.70	-4.60	-5.69e-04	-0.72	2.79e-04	8.66e-04
87	43	446.67	-0.96	-4.71	-5.29e-04	-2.46	0.0	6.12e-04
87	43	446.67	-0.96	-4.71	-5.29e-04	-2.46	0.0	6.12e-04
87	56	340.00	-1.17	0.05	0.14	2.26	0.0	0.04
87	56	393.33	-0.86	0.16	-0.14	1.19	0.07	0.05
87	56	393.33	-0.86	0.16	-0.14	1.19	0.07	0.05
87	56	393.33	-0.86	0.16	-0.14	1.19	0.07	0.05
87	56	446.67	-0.39	0.03	-0.14	1.03	0.0	0.03
87	56	446.67	-0.39	0.03	-0.14	1.03	0.0	0.03
87	70	340.00	-1.97	0.15	0.23	0.95	0.0	0.06
87	70	393.33	-1.41	0.18	-0.23	0.54	0.12	0.08
87	70	393.33	-1.41	0.18	-0.23	0.54	0.12	0.08
87	70	393.33	-1.41	0.18	-0.23	0.54	0.12	0.08
87	70	446.67	-0.85	0.12	-0.23	0.51	0.0	0.05
87	70	446.67	-0.85	0.12	-0.23	0.51	0.0	0.05
87	89	340.00	-3.25	-0.24	-0.11	1.41	0.0	-0.03
87	89	393.33	-2.29	-0.15	0.11	0.65	-0.06	-0.04
87	89	393.33	-2.29	-0.15	0.11	0.65	-0.06	-0.04
87	89	393.33	-2.29	-0.15	0.11	0.65	-0.06	-0.04
87	89	446.67	-1.44	-0.24	0.11	0.46	0.0	-0.02
87	89	446.67	-1.44	-0.24	0.11	0.46	0.0	-0.02
87	113	340.00	-2.75	74.63	0.02	18.48	6.82e-03	0.03
87	113	393.33	-1.64	79.24	-0.02	30.29	-1.01e-04	0.03
87	113	393.33	-1.64	79.24	-0.02	30.29	-1.01e-04	0.03
87	113	393.33	-1.64	79.24	-0.02	30.29	-1.01e-04	0.03
87	113	446.67	-0.98	65.48	-0.02	34.77	-4.02e-04	0.03
87	113	446.67	-0.98	65.48	-0.02	34.77	-4.02e-04	0.03
87	116	340.00	-1.32	-74.87	-0.02	-15.55	-6.82e-03	-0.03
87	116	393.33	-1.25	-79.31	0.02	-28.84	4.55e-04	-0.03
87	116	393.33	-1.25	-79.31	0.02	-28.84	4.55e-04	-0.03
87	116	393.33	-1.25	-79.31	0.02	-28.84	4.55e-04	-0.03
87	116	446.67	-0.73	-65.74	0.02	-33.63	4.02e-04	-0.03
87	116	446.67	-0.73	-65.74	0.02	-33.63	4.02e-04	-0.03
87	138	340.00	-3.29	6.81	-0.14	2.89	-0.04	-2.95e-03
87	138	393.33	-2.39	7.29	0.10	3.30	-0.04	-2.60e-03
87	138	393.33	-2.39	7.29	0.10	3.30	-0.04	-2.60e-03
87	138	393.33	-2.39	7.29	0.10	3.30	-0.04	-2.60e-03
87	138	446.67	-1.62	5.88	0.14	3.66	-0.04	-2.18e-03
87	138	446.67	-1.62	5.88	0.14	3.66	-0.04	-2.18e-03
87	139	340.00	-0.78	-7.04	0.14	0.04	0.04	2.78e-03
87	139	393.33	-0.51	-7.36	-0.10	-1.85	0.04	2.52e-03
87	139	393.33	-0.51	-7.36	-0.10	-1.85	0.04	2.52e-03
87	139	393.33	-0.51	-7.36	-0.10	-1.85	0.04	2.52e-03
87	139	446.67	-0.09	-6.13	-0.14	-2.52	0.04	2.22e-03
87	139	446.67	-0.09	-6.13	-0.14	-2.52	0.04	2.22e-03
87	145	340.00	-2.83	83.92	0.02	20.60	7.73e-03	0.03
87	145	393.33	-1.66	89.08	-0.02	33.96	-5.72e-05	0.03
87	145	393.33	-1.66	89.08	-0.02	33.96	-5.72e-05	0.03
87	145	393.33	-1.66	89.08	-0.02	33.96	-5.72e-05	0.03
87	145	446.67	-0.99	73.63	-0.03	39.01	-3.94e-04	0.04
87	145	446.67	-0.99	73.63	-0.03	39.01	-3.94e-04	0.04
87	148	340.00	-1.24	-84.15	-0.02	-17.66	-7.73e-03	-0.03
87	148	393.33	-1.23	-89.15	0.02	-32.52	4.11e-04	-0.03
87	148	393.33	-1.23	-89.15	0.02	-32.52	4.11e-04	-0.03
87	148	393.33	-1.23	-89.15	0.02	-32.52	4.11e-04	-0.03
87	148	446.67	-0.72	-73.89	0.03	-37.88	3.94e-04	-0.04
87	148	446.67	-0.72	-73.89	0.03	-37.88	3.94e-04	-0.04
87	170	340.00	-3.46	7.56	-0.16	3.05	-0.04	-3.44e-03
87	170	393.33	-2.52	8.09	0.11	3.58	-0.05	-3.06e-03
87	170	393.33	-2.52	8.09	0.11	3.58	-0.05	-3.06e-03
87	170	393.33	-2.52	8.09	0.11	3.58	-0.05	-3.06e-03
87	170	446.67	-1.73	6.53	0.16	4.00	-0.04	-2.59e-03
87	170	446.67	-1.73	6.53	0.16	4.00	-0.04	-2.59e-03
87	171	340.00	-0.61	-7.80	0.16	-0.11	0.04	3.28e-03
87	171	393.33	-0.38	-8.16	-0.11	-2.13	0.05	2.98e-03
87	171	393.33	-0.38	-8.16	-0.11	-2.13	0.05	2.98e-03

87	171	393.33	-0.38	-8.16	-0.11	-2.13	0.05	2.98e-03
87	171	446.67	0.01	-6.79	-0.16	-2.86	0.04	2.64e-03
87	171	446.67	0.01	-6.79	-0.16	-2.86	0.04	2.64e-03
87	177	340.00	-2.78	83.11	0.02	20.44	8.01e-03	0.03
87	177	393.33	-1.63	88.24	-0.02	33.64	4.15e-04	0.03
87	177	393.33	-1.63	88.24	-0.02	33.64	4.15e-04	0.03
87	177	393.33	-1.63	88.24	-0.02	33.64	4.15e-04	0.03
87	177	446.67	-0.97	72.93	-0.03	38.64	-4.56e-05	0.04
87	177	446.67	-0.97	72.93	-0.03	38.64	-4.56e-05	0.04
87	180	340.00	-1.28	-83.34	-0.02	-17.51	-8.01e-03	-0.03
87	180	393.33	-1.27	-88.30	0.02	-32.20	-6.09e-05	-0.03
87	180	393.33	-1.27	-88.30	0.02	-32.20	-6.09e-05	-0.03
87	180	393.33	-1.27	-88.30	0.02	-32.20	-6.09e-05	-0.03
87	180	446.67	-0.75	-73.18	0.03	-37.50	4.55e-05	-0.04
87	180	446.67	-0.75	-73.18	0.03	-37.50	4.55e-05	-0.04
87	202	340.00	-3.53	6.94	-0.16	2.91	-0.04	-4.35e-03
87	202	393.33	-2.58	7.44	0.11	3.33	-0.05	-3.98e-03
87	202	393.33	-2.58	7.44	0.11	3.33	-0.05	-3.98e-03
87	202	393.33	-2.58	7.44	0.11	3.33	-0.05	-3.98e-03
87	202	446.67	-1.78	5.98	0.16	3.72	-0.04	-3.50e-03
87	202	446.67	-1.78	5.98	0.16	3.72	-0.04	-3.50e-03
87	203	340.00	-0.53	-7.18	0.16	0.02	0.04	4.18e-03
87	203	393.33	-0.32	-7.51	-0.11	-1.88	0.05	3.90e-03
87	203	393.33	-0.32	-7.51	-0.11	-1.88	0.05	3.90e-03
87	203	393.33	-0.32	-7.51	-0.11	-1.88	0.05	3.90e-03
87	203	446.67	0.06	-6.24	-0.16	-2.58	0.04	3.54e-03
87	203	446.67	0.06	-6.24	-0.16	-2.58	0.04	3.54e-03
87	212	340.00	-1.18	-97.61	-0.03	-20.77	-9.71e-03	-0.04
87	212	393.33	-1.26	-103.44	0.02	-37.85	-4.72e-04	-0.04
87	212	393.33	-1.26	-103.44	0.02	-37.85	-4.72e-04	-0.04
87	212	393.33	-1.26	-103.44	0.02	-37.85	-4.72e-04	-0.04
87	212	446.67	-0.75	-85.71	0.03	-44.03	-2.40e-04	-0.04
87	212	446.67	-0.75	-85.71	0.03	-44.03	-2.40e-04	-0.04
87	225	340.00	-1.33	60.45	0.14	15.83	0.04	0.04
87	225	393.33	-0.64	64.23	-0.09	25.16	0.04	0.04
87	225	393.33	-0.64	64.23	-0.09	25.16	0.04	0.04
87	225	393.33	-0.64	64.23	-0.09	25.16	0.04	0.04
87	225	446.67	-0.18	53.11	-0.12	28.57	0.03	0.04
87	225	446.67	-0.18	53.11	-0.12	28.57	0.03	0.04
87	234	340.00	-3.84	7.83	-0.19	3.09	-0.05	-5.42e-03
87	234	393.33	-2.81	8.37	0.14	3.64	-0.06	-5.01e-03
87	234	393.33	-2.81	8.37	0.14	3.64	-0.06	-5.01e-03
87	234	393.33	-2.81	8.37	0.14	3.64	-0.06	-5.01e-03
87	234	446.67	-1.96	6.74	0.19	4.11	-0.05	-4.45e-03
87	234	446.67	-1.96	6.74	0.19	4.11	-0.05	-4.45e-03
87	235	340.00	-0.23	-8.06	0.19	-0.15	0.05	5.25e-03
87	235	393.33	-0.09	-8.44	-0.14	-2.20	0.06	4.93e-03
87	235	393.33	-0.09	-8.44	-0.14	-2.20	0.06	4.93e-03
87	235	393.33	-0.09	-8.44	-0.14	-2.20	0.06	4.93e-03
87	235	446.67	0.25	-6.99	-0.19	-2.97	0.05	4.49e-03
87	235	446.67	0.25	-6.99	-0.19	-2.97	0.05	4.49e-03
87	263	340.00	-1.92	-3.44	3.67e-04	1.35	0.0	3.03e-04
87	263	393.33	-1.37	-3.07	-3.94e-04	-0.45	1.93e-04	5.91e-04
87	263	393.33	-1.37	-3.07	-3.94e-04	-0.45	1.93e-04	5.91e-04
87	263	393.33	-1.37	-3.07	-3.94e-04	-0.45	1.93e-04	5.91e-04
87	263	446.67	-0.79	-3.14	-3.67e-04	-1.61	0.0	4.19e-04
87	263	446.67	-0.79	-3.14	-3.67e-04	-1.61	0.0	4.19e-04
87	268	340.00	-1.56	-8.84e-03	0.09	1.89	0.0	0.02
87	268	393.33	-1.13	0.08	-0.09	0.98	0.05	0.03
87	268	393.33	-1.13	0.08	-0.09	0.98	0.05	0.03
87	268	393.33	-1.13	0.08	-0.09	0.98	0.05	0.03
87	268	446.67	-0.60	-0.03	-0.09	0.82	0.0	0.02
87	268	446.67	-0.60	-0.03	-0.09	0.82	0.0	0.02
87	274	340.00	-2.09	0.06	0.15	1.01	0.0	0.04
87	274	393.33	-1.49	0.10	-0.15	0.54	0.08	0.06
87	274	393.33	-1.49	0.10	-0.15	0.54	0.08	0.06
87	274	393.33	-1.49	0.10	-0.15	0.54	0.08	0.06
87	274	446.67	-0.91	0.04	-0.15	0.48	0.0	0.03
87	274	446.67	-0.91	0.04	-0.15	0.48	0.0	0.03
87	285	340.00	-2.51	-0.16	-0.08	1.01	0.0	-0.02
87	285	393.33	-1.77	-0.10	0.08	0.47	-0.04	-0.03
87	285	393.33	-1.77	-0.10	0.08	0.47	-0.04	-0.03
87	285	393.33	-1.77	-0.10	0.08	0.47	-0.04	-0.03
87	285	446.67	-1.12	-0.17	0.08	0.34	0.0	-0.02
87	285	446.67	-1.12	-0.17	0.08	0.34	0.0	-0.02

87	298	340.00	-1.97	-0.12	3.53e-04	1.55	0.0	-9.19e-05
87	298	393.33	-1.40	-0.03	-3.55e-04	0.77	1.88e-04	-4.62e-05
87	298	393.33	-1.40	-0.03	-3.55e-04	0.77	1.88e-04	-4.62e-05
87	298	393.33	-1.40	-0.03	-3.55e-04	0.77	1.88e-04	-4.62e-05
87	298	446.67	-0.82	-0.13	-3.53e-04	0.60	0.0	1.90e-05
87	298	446.67	-0.82	-0.13	-3.53e-04	0.60	0.0	1.90e-05
87	305	340.00	-2.02	-0.78	3.34e-04	1.43	0.0	-4.88e-06
87	305	393.33	-1.44	-0.64	-3.42e-04	0.48	1.78e-04	8.87e-05
87	305	393.33	-1.44	-0.64	-3.42e-04	0.48	1.78e-04	8.87e-05
87	305	393.33	-1.44	-0.64	-3.42e-04	0.48	1.78e-04	8.87e-05
87	305	446.67	-0.85	-0.73	-3.34e-04	0.13	0.0	1.01e-04
87	305	446.67	-0.85	-0.73	-3.34e-04	0.13	0.0	1.01e-04
87	306	340.00	-2.36	-0.08	0.03	0.95	0.0	8.28e-03
87	306	393.33	-1.67	-0.03	-0.03	0.46	0.02	0.01
87	306	393.33	-1.67	-0.03	-0.03	0.46	0.02	0.01
87	306	393.33	-1.67	-0.03	-0.03	0.46	0.02	0.01
87	306	446.67	-1.05	-0.09	-0.03	0.36	0.0	6.45e-03
87	306	446.67	-1.05	-0.09	-0.03	0.36	0.0	6.45e-03
87	308	340.00	-2.42	-0.12	-0.01	0.97	0.0	-4.19e-03
87	308	393.33	-1.71	-0.06	0.01	0.47	-7.94e-03	-5.64e-03
87	308	393.33	-1.71	-0.06	0.01	0.47	-7.94e-03	-5.64e-03
87	308	393.33	-1.71	-0.06	0.01	0.47	-7.94e-03	-5.64e-03
87	308	446.67	-1.08	-0.12	0.01	0.35	0.0	-3.18e-03
87	308	446.67	-1.08	-0.12	0.01	0.35	0.0	-3.18e-03
87	309	340.00	-2.40	-0.10	2.05e-04	0.97	0.0	-3.56e-05
87	309	393.33	-1.70	-0.05	-2.10e-04	0.46	1.10e-04	5.13e-06
87	309	393.33	-1.70	-0.05	-2.10e-04	0.46	1.10e-04	5.13e-06
87	309	393.33	-1.70	-0.05	-2.10e-04	0.46	1.10e-04	5.13e-06
87	309	446.67	-1.07	-0.11	-2.06e-04	0.35	0.0	3.09e-05
87	309	446.67	-1.07	-0.11	-2.06e-04	0.35	0.0	3.09e-05
87	310	340.00	-2.03	-0.12	3.32e-04	1.47	0.0	-8.38e-05
87	310	393.33	-1.45	-0.03	-3.34e-04	0.72	1.77e-04	-3.89e-05
87	310	393.33	-1.45	-0.03	-3.34e-04	0.72	1.77e-04	-3.89e-05
87	310	393.33	-1.45	-0.03	-3.34e-04	0.72	1.77e-04	-3.89e-05
87	310	446.67	-0.86	-0.13	-3.32e-04	0.57	0.0	2.07e-05
87	310	446.67	-0.86	-0.13	-3.32e-04	0.57	0.0	2.07e-05

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-3.84	-103.44	-0.23	-44.03	-0.06	-0.04
	0.25	89.08	0.23	39.01	0.12	0.08

Macro	Tipo	Angolo 1-Z (gradi)
88	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
88	19	960.00	-0.17	1.20	-2.65e-05	-0.53	0.0	-3.45e-04
88	19	1010.00	-0.17	1.20	-2.57e-05	0.07	-1.31e-05	-4.95e-04
88	19	1060.00	-0.64	1.62	6.39e-04	-8.30e-03	-3.22e-05	-2.59e-04
88	42	960.00	-0.35	-3.89	1.34e-04	2.10	0.0	-5.90e-05
88	42	1010.00	-0.35	-3.89	1.30e-04	0.16	6.61e-05	3.48e-05
88	42	1060.00	-0.86	-4.53	1.02e-03	0.08	-5.19e-05	9.62e-05
88	44	960.00	-0.40	-3.85	-1.14e-04	2.16	0.0	-5.42e-04
88	44	1010.00	-0.40	-3.85	-1.19e-04	0.24	-5.80e-05	-7.53e-04
88	44	1060.00	-0.86	-4.39	1.49e-03	0.10	-7.67e-05	-3.95e-04
88	67	960.00	-0.33	-0.32	0.22	0.36	0.0	-0.05
88	67	1010.00	-0.33	-0.32	0.22	0.20	0.11	-0.08
88	67	1060.00	-0.85	-0.09	-0.25	0.03	0.01	-0.06
88	116	960.00	-0.55	-43.60	-0.05	11.50	1.84e-03	-0.03
88	116	1010.00	-0.55	-43.60	-0.05	11.30	1.77e-03	-0.03
88	116	1060.00	-1.12	-51.99	0.01	1.76	-8.65e-03	-0.02
88	118	960.00	0.12	35.05	-0.07	-8.90	-0.03	0.02
88	118	1010.00	0.12	35.05	-0.07	-9.10	-0.03	0.02
88	118	1060.00	-0.16	41.96	0.11	-1.41	-0.01	0.02
88	119	960.00	-0.59	-35.85	0.07	9.57	0.03	-0.03
88	119	1010.00	-0.59	-35.85	0.07	9.37	0.03	-0.02
88	119	1060.00	-1.12	-42.52	-0.11	1.46	0.01	-0.02
88	120	960.00	-0.55	-41.56	-0.07	10.99	-3.96e-03	-0.03
88	120	1010.00	-0.55	-41.56	-0.07	10.79	-4.03e-03	-0.03
88	120	1060.00	-1.11	-49.51	0.04	1.68	-0.01	-0.03
88	148	960.00	-0.59	-48.97	-0.06	12.89	1.97e-03	-0.04
88	148	1010.00	-0.59	-48.97	-0.06	12.69	1.89e-03	-0.03

88	148	1060.00	-1.18	-58.42	0.02	1.97	-9.79e-03	-0.03
88	150	960.00	0.16	39.40	-0.08	-10.03	-0.04	0.03
88	150	1010.00	0.16	39.40	-0.08	-10.23	-0.04	0.02
88	150	1060.00	-0.11	47.14	0.12	-1.58	-0.01	0.02
88	151	960.00	-0.63	-40.20	0.08	10.70	0.04	-0.03
88	151	1010.00	-0.63	-40.20	0.08	10.51	0.04	-0.03
88	151	1060.00	-1.18	-47.70	-0.12	1.64	0.01	-0.02
88	152	960.00	-0.59	-46.66	-0.08	12.31	-4.58e-03	-0.04
88	152	1010.00	-0.59	-46.66	-0.08	12.11	-4.66e-03	-0.04
88	152	1060.00	-1.16	-55.62	0.04	1.89	-0.01	-0.03
88	180	960.00	-0.58	-48.55	-0.06	12.78	1.31e-03	-0.04
88	180	1010.00	-0.58	-48.55	-0.06	12.58	1.23e-03	-0.03
88	180	1060.00	-1.17	-57.94	0.02	1.96	-0.01	-0.03
88	182	960.00	0.16	38.70	-0.08	-9.86	-0.04	0.03
88	182	1010.00	0.16	38.70	-0.08	-10.05	-0.04	0.02
88	182	1060.00	-0.12	46.31	0.13	-1.56	-0.01	0.02
88	183	960.00	-0.63	-39.50	0.08	10.53	0.04	-0.03
88	183	1010.00	-0.63	-39.50	0.08	10.33	0.04	-0.03
88	183	1060.00	-1.17	-46.87	-0.12	1.61	0.01	-0.02
88	184	960.00	-0.58	-46.13	-0.09	12.18	-5.30e-03	-0.04
88	184	1010.00	-0.58	-46.13	-0.09	11.98	-5.37e-03	-0.04
88	184	1060.00	-1.15	-54.99	0.05	1.86	-0.01	-0.03
88	212	960.00	-0.64	-56.86	-0.07	14.93	1.05e-03	-0.04
88	212	1010.00	-0.64	-56.86	-0.07	14.73	9.71e-04	-0.04
88	212	1060.00	-1.26	-67.90	0.02	2.29	-0.01	-0.03
88	214	960.00	0.22	45.20	-0.10	-11.55	-0.04	0.03
88	214	1010.00	0.22	45.20	-0.10	-11.75	-0.04	0.03
88	214	1060.00	-0.03	54.06	0.15	-1.82	-0.02	0.02
88	215	960.00	-0.69	-46.00	0.10	12.22	0.04	-0.03
88	215	1010.00	-0.69	-46.00	0.10	12.02	0.04	-0.03
88	215	1060.00	-1.26	-54.62	-0.15	1.87	0.02	-0.02
88	216	960.00	-0.64	-53.90	-0.10	14.18	-6.61e-03	-0.04
88	216	1010.00	-0.64	-53.90	-0.10	13.99	-6.68e-03	-0.04
88	216	1060.00	-1.24	-64.29	0.06	2.18	-0.02	-0.03
88	248	960.00	-0.19	0.64	-2.54e-05	-0.24	0.0	-3.41e-04
88	248	1010.00	-0.19	0.64	-2.52e-05	0.08	-1.27e-05	-4.85e-04
88	248	1060.00	-0.64	0.94	6.77e-04	2.16e-03	-3.42e-05	-2.53e-04
88	262	960.00	-0.26	-2.62	9.26e-05	1.42	0.0	-4.73e-05
88	262	1010.00	-0.26	-2.62	9.06e-05	0.11	4.59e-05	1.67e-05
88	262	1060.00	-0.66	-3.05	7.31e-04	0.06	-3.73e-05	6.43e-05
88	264	960.00	-0.29	-2.60	-7.24e-05	1.46	0.0	-3.69e-04
88	264	1010.00	-0.29	-2.60	-7.55e-05	0.17	-3.69e-05	-5.08e-04
88	264	1060.00	-0.66	-2.95	1.05e-03	0.07	-5.38e-05	-2.63e-04
88	275	960.00	-0.25	-0.24	0.15	0.26	0.0	-0.03
88	275	1010.00	-0.25	-0.24	0.15	0.14	0.07	-0.05
88	275	1060.00	-0.65	-0.09	-0.17	0.02	8.75e-03	-0.04
88	302	960.00	-0.21	-0.21	-1.23e-05	0.19	0.0	-2.71e-04
88	302	1010.00	-0.21	-0.21	-1.26e-05	0.09	-6.24e-06	-3.73e-04
88	302	1060.00	-0.64	-0.10	6.55e-04	0.02	-3.32e-05	-1.87e-04
88	304	960.00	-0.22	-0.85	-2.53e-06	0.51	0.0	-2.19e-04
88	304	1010.00	-0.22	-0.85	-3.26e-06	0.09	-1.42e-06	-2.90e-04
88	304	1060.00	-0.65	-0.88	6.39e-04	0.03	-3.25e-05	-1.39e-04
88	305	960.00	-0.25	-0.82	-1.44e-04	0.55	0.0	-4.96e-04
88	305	1010.00	-0.25	-0.82	-1.46e-04	0.14	-7.23e-05	-7.40e-04
88	305	1060.00	-0.65	-0.80	9.11e-04	0.03	-4.67e-05	-4.19e-04
88	307	960.00	-0.24	-0.37	0.03	0.32	0.0	-6.60e-03
88	307	1010.00	-0.24	-0.37	0.03	0.13	0.01	-0.01
88	307	1060.00	-0.65	-0.24	-0.03	0.03	1.71e-03	-7.76e-03
88	309	960.00	-0.21	-0.42	-9.07e-06	0.30	0.0	-2.54e-04
88	309	1010.00	-0.21	-0.42	-9.52e-06	0.09	-4.63e-06	-3.45e-04
88	309	1060.00	-0.64	-0.36	6.50e-04	0.02	-3.30e-05	-1.71e-04
88	310	960.00	-0.24	-0.40	-1.51e-04	0.34	0.0	-5.30e-04
88	310	1010.00	-0.24	-0.40	-1.52e-04	0.14	-7.55e-05	-7.95e-04
88	310	1060.00	-0.64	-0.28	9.21e-04	0.03	-4.72e-05	-4.52e-04

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-1.26	-67.90	-0.25	-11.75	-0.04	-0.08
			0.22	54.06	0.22	14.93	0.11	0.03

Macro	Tipo	Angolo 1-Z (gradi)
89	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
89	9	960.00	1.11	-5.37	-1.06e-03	1.17	0.0	2.97e-04
89	9	1010.00	1.11	-5.37	-1.06e-03	-1.51	-5.31e-04	4.31e-04
89	9	1060.00	-0.28	-9.03	4.71e-03	-0.33	-1.65e-04	-2.01e-04
89	35	960.00	0.96	-8.70	-1.35e-03	3.03	0.0	8.55e-04
89	35	1010.00	0.96	-8.70	-1.36e-03	-1.31	-6.76e-04	1.33e-03
89	35	1060.00	-0.37	-13.42	6.16e-03	-0.17	-2.16e-04	2.21e-04
89	43	960.00	0.33	-7.86	-9.94e-04	3.32	0.0	9.31e-04
89	43	1010.00	0.33	-7.86	-1.00e-03	-0.60	-4.99e-04	1.47e-03
89	43	1060.00	-0.57	-11.40	4.64e-03	0.03	-1.62e-04	4.64e-04
89	67	960.00	0.42	-6.15	0.12	2.28	0.0	0.14
89	67	1010.00	0.42	-6.15	0.12	-0.79	0.06	0.24
89	67	1060.00	-0.52	-9.26	-0.14	-0.06	7.25e-03	0.16
89	114	960.00	0.57	13.34	-0.06	-4.96	-0.02	4.24e-03
89	114	1010.00	0.57	13.34	-0.06	-7.12	-0.02	3.26e-03
89	114	1060.00	-0.09	17.54	0.05	-0.86	-0.01	3.91e-03
89	116	960.00	0.15	-27.18	-0.06	10.12	-0.01	2.97e-03
89	116	1010.00	0.15	-27.18	-0.06	7.96	-0.01	5.31e-03
89	116	1060.00	-0.68	-37.13	0.06	1.01	-3.70e-03	4.48e-03
89	119	960.00	0.06	-23.04	0.06	8.53	0.02	-2.94e-03
89	119	1010.00	0.06	-23.04	0.06	6.37	0.02	-1.04e-03
89	119	1060.00	-0.70	-31.92	-0.05	0.80	0.01	-2.92e-03
89	136	960.00	0.42	-18.14	-0.19	6.81	-0.05	0.01
89	136	1010.00	0.42	-18.14	-0.19	4.64	-0.05	0.01
89	136	1060.00	-0.44	-24.43	0.17	0.62	-0.03	0.01
89	146	960.00	0.60	15.49	-0.07	-5.76	-0.02	4.74e-03
89	146	1010.00	0.60	15.49	-0.07	-7.92	-0.02	3.59e-03
89	146	1060.00	-0.05	20.47	0.06	-0.95	-0.01	4.38e-03
89	148	960.00	0.13	-30.02	-0.06	11.19	-0.01	3.29e-03
89	148	1010.00	0.13	-30.02	-0.06	9.03	-0.01	5.90e-03
89	148	1060.00	-0.72	-40.94	0.06	1.14	-4.21e-03	5.07e-03
89	151	960.00	0.03	-25.33	0.07	9.38	0.02	-3.40e-03
89	151	1010.00	0.03	-25.33	0.07	7.22	0.02	-1.28e-03
89	151	1060.00	-0.74	-35.04	-0.05	0.91	0.02	-3.30e-03
89	168	960.00	0.44	-19.93	-0.22	7.48	-0.06	0.01
89	168	1010.00	0.44	-19.93	-0.22	5.32	-0.06	0.01
89	168	1060.00	-0.44	-26.74	0.19	0.70	-0.03	0.02
89	178	960.00	0.60	15.05	-0.07	-5.60	-0.02	4.90e-03
89	178	1010.00	0.60	15.05	-0.07	-7.76	-0.02	3.68e-03
89	178	1060.00	-0.06	19.89	0.06	-0.93	-0.01	4.37e-03
89	180	960.00	0.14	-29.79	-0.07	11.11	-0.02	3.32e-03
89	180	1010.00	0.14	-29.79	-0.07	8.95	-0.02	5.99e-03
89	180	1060.00	-0.71	-40.62	0.07	1.13	-4.49e-03	5.35e-03
89	183	960.00	0.03	-24.95	0.07	9.24	0.02	-3.52e-03
89	183	1010.00	0.03	-24.95	0.07	7.08	0.02	-1.33e-03
89	183	1060.00	-0.73	-34.53	-0.06	0.89	0.02	-3.20e-03
89	200	960.00	0.45	-20.17	-0.23	7.58	-0.06	0.01
89	200	1010.00	0.45	-20.17	-0.23	5.42	-0.06	0.01
89	200	1060.00	-0.44	-27.04	0.20	0.71	-0.03	0.02
89	210	960.00	0.65	18.20	-0.08	-6.77	-0.02	5.82e-03
89	210	1010.00	0.65	18.20	-0.08	-8.93	-0.02	4.30e-03
89	210	1060.00	-2.39e-03	24.19	0.07	-1.08	-0.02	5.16e-03
89	212	960.00	0.12	-34.18	-0.08	12.75	-0.02	3.86e-03
89	212	1010.00	0.12	-34.18	-0.08	10.59	-0.02	7.02e-03
89	212	1060.00	-0.76	-46.49	0.08	1.34	-5.49e-03	6.49e-03
89	215	960.00	-0.02	-28.37	0.09	10.51	0.02	-4.32e-03
89	215	1010.00	-0.02	-28.37	0.09	8.35	0.02	-1.73e-03
89	215	1060.00	-0.79	-39.19	-0.07	1.05	0.02	-3.75e-03
89	232	960.00	0.48	-23.18	-0.27	8.71	-0.07	0.02
89	232	1010.00	0.48	-23.18	-0.27	6.55	-0.07	0.02
89	232	1060.00	-0.45	-30.91	0.24	0.86	-0.04	0.02
89	245	960.00	0.77	-3.85	-7.49e-04	0.86	0.0	2.23e-04
89	245	1010.00	0.77	-3.85	-7.53e-04	-1.06	-3.75e-04	3.27e-04
89	245	1060.00	-0.24	-6.44	3.34e-03	-0.23	-1.17e-04	-1.28e-04
89	259	960.00	0.67	-6.07	-9.42e-04	2.10	0.0	5.96e-04
89	259	1010.00	0.67	-6.07	-9.49e-04	-0.94	-4.72e-04	9.24e-04
89	259	1060.00	-0.30	-9.37	4.30e-03	-0.12	-1.51e-04	1.53e-04
89	263	960.00	0.25	-5.51	-7.06e-04	2.29	0.0	6.46e-04
89	263	1010.00	0.25	-5.51	-7.12e-04	-0.46	-3.54e-04	1.02e-03
89	263	1060.00	-0.43	-8.02	3.29e-03	0.01	-1.15e-04	3.15e-04
89	275	960.00	0.31	-4.37	0.08	1.60	0.0	0.09
89	275	1010.00	0.31	-4.37	0.08	-0.58	0.04	0.16
89	275	1060.00	-0.40	-6.60	-0.09	-0.05	4.82e-03	0.11
89	299	960.00	0.43	-3.38	-5.60e-04	1.00	0.0	2.61e-04

89	299	1010.00	0.43	-3.38	-5.64e-04	-0.69	-2.81e-04	3.97e-04
89	299	1060.00	-0.35	-5.33	2.52e-03	-0.12	-8.82e-05	-1.74e-06
89	301	960.00	0.39	-4.52	-7.24e-04	1.60	0.0	4.85e-04
89	301	1010.00	0.39	-4.52	-7.28e-04	-0.66	-3.63e-04	7.47e-04
89	301	1060.00	-0.37	-6.88	3.17e-03	-0.07	-1.07e-04	1.31e-04
89	305	960.00	0.30	-4.53	-6.77e-04	1.71	0.0	5.10e-04
89	305	1010.00	0.30	-4.53	-6.82e-04	-0.55	-3.39e-04	7.91e-04
89	305	1060.00	-0.40	-6.76	2.99e-03	-0.04	-1.01e-04	1.80e-04
89	307	960.00	0.31	-4.30	0.02	1.57	0.0	0.02
89	307	1010.00	0.31	-4.30	0.02	-0.57	8.00e-03	0.03
89	307	1060.00	-0.40	-6.47	-0.02	-0.05	8.86e-04	0.02
89	309	960.00	0.35	-3.19	-5.13e-04	0.99	0.0	2.61e-04
89	309	1010.00	0.35	-3.19	-5.16e-04	-0.60	-2.57e-04	3.99e-04
89	309	1060.00	-0.37	-4.96	2.30e-03	-0.10	-8.00e-05	1.93e-05
89	310	960.00	0.31	-4.33	-6.76e-04	1.59	0.0	4.85e-04
89	310	1010.00	0.31	-4.33	-6.81e-04	-0.57	-3.39e-04	7.49e-04
89	310	1060.00	-0.39	-6.51	2.95e-03	-0.05	-9.87e-05	1.52e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-0.79	-46.49	-0.27	-8.93	-0.07	-4.32e-03
	1.11	24.19	0.24	12.75	0.06	0.24

Macro	Tipo	Angolo 1-Z (gradi)
90	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
90	4	340.00	3.44	-5.20	6.29e-03	-2.45	2.50e-04	7.61e-04
90	4	393.33	0.52	-2.46	7.58e-03	-1.81	8.96e-04	2.37e-04
90	4	393.33	0.52	-2.46	7.58e-03	-1.81	8.96e-04	2.37e-04
90	4	393.33	0.52	-2.46	7.58e-03	-1.81	8.96e-04	2.37e-04
90	4	446.67	0.50	-3.14	-1.83e-03	-1.78	6.59e-05	1.03e-03
90	4	446.67	0.50	-3.14	-1.83e-03	-1.78	6.59e-05	1.03e-03
90	41	340.00	0.22	-6.69	-7.15e-03	-0.46	-3.44e-04	1.21e-03
90	41	393.33	-1.04	-4.97	-7.32e-03	-2.12	8.02e-05	8.69e-04
90	41	393.33	-1.04	-4.97	-7.32e-03	-2.12	8.02e-05	8.69e-04
90	41	393.33	-1.04	-4.97	-7.32e-03	-2.12	8.02e-05	8.69e-04
90	41	446.67	0.16	-4.96	1.82e-04	-2.43	1.06e-04	1.63e-03
90	41	446.67	0.16	-4.96	1.82e-04	-2.43	1.06e-04	1.63e-03
90	44	340.00	2.28	-8.78	-5.12e-03	-1.95	-2.67e-04	1.59e-03
90	44	393.33	-0.53	-5.98	-4.81e-03	-2.95	4.27e-04	1.05e-03
90	44	393.33	-0.53	-5.98	-4.81e-03	-2.95	4.27e-04	1.05e-03
90	44	393.33	-0.53	-5.98	-4.81e-03	-2.95	4.27e-04	1.05e-03
90	44	446.67	0.49	-6.27	-4.94e-04	-3.20	1.37e-04	2.14e-03
90	44	446.67	0.49	-6.27	-4.94e-04	-3.20	1.37e-04	2.14e-03
90	69	340.00	0.12	-2.12	0.24	-0.07	8.57e-03	-0.16
90	69	393.33	-0.34	-1.25	0.07	-0.58	0.07	-0.19
90	69	393.33	-0.34	-1.25	0.07	-0.58	0.07	-0.19
90	69	393.33	-0.34	-1.25	0.07	-0.58	0.07	-0.19
90	69	446.67	-0.03	-1.32	-0.10	-0.68	7.66e-03	0.04
90	69	446.67	-0.03	-1.32	-0.10	-0.68	7.66e-03	0.04
90	113	340.00	-2.10	46.34	0.05	0.81	0.02	0.03
90	113	393.33	-20.65	51.05	0.01	24.38	2.77e-03	0.03
90	113	393.33	-20.65	51.05	0.01	24.38	2.77e-03	0.03
90	113	393.33	-20.65	51.05	0.01	24.38	2.77e-03	0.03
90	113	446.67	1.06	48.72	0.01	-1.92	0.02	0.03
90	113	446.67	1.06	48.72	0.01	-1.92	0.02	0.03
90	116	340.00	4.66	-53.42	-0.04	-2.68	-0.02	-0.02
90	116	393.33	20.50	-55.03	-6.72e-03	-26.66	-1.94e-03	-0.03
90	116	393.33	20.50	-55.03	-6.72e-03	-26.66	-1.94e-03	-0.03
90	116	393.33	20.50	-55.03	-6.72e-03	-26.66	-1.94e-03	-0.03
90	116	446.67	-0.67	-53.23	-0.01	-0.49	-0.02	-0.03
90	116	446.67	-0.67	-53.23	-0.01	-0.49	-0.02	-0.03
90	129	340.00	-1.18	26.49	0.12	0.58	0.02	0.04
90	129	393.33	-12.68	29.93	-0.03	15.00	0.05	0.05
90	129	393.33	-12.68	29.93	-0.03	15.00	0.05	0.05
90	129	393.33	-12.68	29.93	-0.03	15.00	0.05	0.05
90	129	446.67	0.57	28.33	0.08	-1.47	0.03	0.05
90	129	446.67	0.57	28.33	0.08	-1.47	0.03	0.05
90	145	340.00	-2.53	52.54	0.05	1.03	0.02	0.03
90	145	393.33	-23.22	57.65	0.01	27.54	3.20e-03	0.03
90	145	393.33	-23.22	57.65	0.01	27.54	3.20e-03	0.03

90	145	393.33	-23.22	57.65	0.01	27.54	3.20e-03	0.03
90	145	446.67	1.16	55.05	0.01	-2.00	0.02	0.04
90	145	446.67	1.16	55.05	0.01	-2.00	0.02	0.04
90	148	340.00	5.09	-59.62	-0.05	-2.90	-0.02	-0.03
90	148	393.33	23.07	-61.62	-7.89e-03	-29.83	-2.38e-03	-0.03
90	148	393.33	23.07	-61.62	-7.89e-03	-29.83	-2.38e-03	-0.03
90	148	393.33	23.07	-61.62	-7.89e-03	-29.83	-2.38e-03	-0.03
90	148	446.67	-0.77	-59.57	-0.01	-0.41	-0.02	-0.03
90	148	446.67	-0.77	-59.57	-0.01	-0.41	-0.02	-0.03
90	161	340.00	-1.50	30.34	0.13	0.78	0.03	0.05
90	161	393.33	-14.30	34.02	-0.03	17.07	0.06	0.06
90	161	393.33	-14.30	34.02	-0.03	17.07	0.06	0.06
90	161	393.33	-14.30	34.02	-0.03	17.07	0.06	0.06
90	161	446.67	0.61	32.25	0.09	-1.50	0.03	0.05
90	161	446.67	0.61	32.25	0.09	-1.50	0.03	0.05
90	177	340.00	-2.51	52.02	0.05	1.04	0.02	0.03
90	177	393.33	-23.06	57.10	0.01	27.24	4.01e-03	0.03
90	177	393.33	-23.06	57.10	0.01	27.24	4.01e-03	0.03
90	177	393.33	-23.06	57.10	0.01	27.24	4.01e-03	0.03
90	177	446.67	1.08	54.52	0.02	-1.95	0.02	0.04
90	177	446.67	1.08	54.52	0.02	-1.95	0.02	0.04
90	180	340.00	5.07	-59.10	-0.05	-2.91	-0.02	-0.03
90	180	393.33	22.91	-61.07	-8.21e-03	-29.52	-3.19e-03	-0.03
90	180	393.33	22.91	-61.07	-8.21e-03	-29.52	-3.19e-03	-0.03
90	180	393.33	22.91	-61.07	-8.21e-03	-29.52	-3.19e-03	-0.03
90	180	446.67	-0.69	-59.03	-0.02	-0.46	-0.02	-0.03
90	180	446.67	-0.69	-59.03	-0.02	-0.46	-0.02	-0.03
90	193	340.00	-1.56	30.75	0.13	0.83	0.03	0.05
90	193	393.33	-14.50	34.46	-0.03	17.31	0.06	0.06
90	193	393.33	-14.50	34.46	-0.03	17.31	0.06	0.06
90	193	393.33	-14.50	34.46	-0.03	17.31	0.06	0.06
90	193	446.67	0.58	32.66	0.09	-1.47	0.03	0.05
90	193	446.67	0.58	32.66	0.09	-1.47	0.03	0.05
90	209	340.00	-3.17	61.56	0.06	1.40	0.03	0.04
90	209	393.33	-27.02	67.23	0.01	32.12	5.32e-03	0.04
90	209	393.33	-27.02	67.23	0.01	32.12	5.32e-03	0.04
90	209	393.33	-27.02	67.23	0.01	32.12	5.32e-03	0.04
90	209	446.67	1.21	64.25	0.02	-2.06	0.03	0.04
90	209	446.67	1.21	64.25	0.02	-2.06	0.03	0.04
90	212	340.00	5.73	-68.63	-0.06	-3.27	-0.03	-0.03
90	212	393.33	26.87	-71.21	-0.01	-34.41	-4.49e-03	-0.04
90	212	393.33	26.87	-71.21	-0.01	-34.41	-4.49e-03	-0.04
90	212	393.33	26.87	-71.21	-0.01	-34.41	-4.49e-03	-0.04
90	212	446.67	-0.83	-68.77	-0.02	-0.35	-0.03	-0.04
90	212	446.67	-0.83	-68.77	-0.02	-0.35	-0.03	-0.04
90	225	340.00	-2.11	37.20	0.16	1.18	0.03	0.06
90	225	393.33	-17.22	41.31	-0.04	20.81	0.08	0.07
90	225	393.33	-17.22	41.31	-0.04	20.81	0.08	0.07
90	225	393.33	-17.22	41.31	-0.04	20.81	0.08	0.07
90	225	446.67	0.64	39.22	0.11	-1.51	0.04	0.06
90	225	446.67	0.64	39.22	0.11	-1.51	0.04	0.06
90	244	340.00	2.24	-3.69	4.20e-03	-1.59	1.66e-04	5.43e-04
90	244	393.33	0.28	-1.78	5.08e-03	-1.26	6.16e-04	1.79e-04
90	244	393.33	0.28	-1.78	5.08e-03	-1.26	6.16e-04	1.79e-04
90	244	393.33	0.28	-1.78	5.08e-03	-1.26	6.16e-04	1.79e-04
90	244	446.67	0.32	-2.23	-1.25e-03	-1.26	4.67e-05	7.37e-04
90	244	446.67	0.32	-2.23	-1.25e-03	-1.26	4.67e-05	7.37e-04
90	261	340.00	0.09	-4.67	-4.76e-03	-0.26	-2.30e-04	8.40e-04
90	261	393.33	-0.76	-3.45	-4.85e-03	-1.47	7.17e-05	6.01e-04
90	261	393.33	-0.76	-3.45	-4.85e-03	-1.47	7.17e-05	6.01e-04
90	261	393.33	-0.76	-3.45	-4.85e-03	-1.47	7.17e-05	6.01e-04
90	261	446.67	0.09	-3.44	8.88e-05	-1.69	7.37e-05	1.14e-03
90	261	446.67	0.09	-3.44	8.88e-05	-1.69	7.37e-05	1.14e-03
90	264	340.00	1.46	-6.07	-3.41e-03	-1.26	-1.78e-04	1.09e-03
90	264	393.33	-0.42	-4.12	-3.18e-03	-2.02	3.03e-04	7.23e-04
90	264	393.33	-0.42	-4.12	-3.18e-03	-2.02	3.03e-04	7.23e-04
90	264	393.33	-0.42	-4.12	-3.18e-03	-2.02	3.03e-04	7.23e-04
90	264	446.67	0.32	-4.32	-3.62e-04	-2.20	9.42e-05	1.48e-03
90	264	446.67	0.32	-4.32	-3.62e-04	-2.20	9.42e-05	1.48e-03
90	273	340.00	0.28	-2.32	0.16	-0.21	5.73e-03	-0.10
90	273	393.33	-0.31	-1.36	0.05	-0.67	0.04	-0.13
90	273	393.33	-0.31	-1.36	0.05	-0.67	0.04	-0.13
90	273	393.33	-0.31	-1.36	0.05	-0.67	0.04	-0.13
90	273	446.67	9.11e-03	-1.48	-0.07	-0.77	5.12e-03	0.03
90	273	446.67	9.11e-03	-1.48	-0.07	-0.77	5.12e-03	0.03

90	298	340.00	1.44	-3.73	1.86e-03	-1.05	6.51e-05	5.42e-04
90	298	393.33	-0.03	-2.08	2.45e-03	-1.21	4.39e-04	2.31e-04
90	298	393.33	-0.03	-2.08	2.45e-03	-1.21	4.39e-04	2.31e-04
90	298	393.33	-0.03	-2.08	2.45e-03	-1.21	4.39e-04	2.31e-04
90	298	446.67	0.22	-2.37	-8.45e-04	-1.27	4.92e-05	7.37e-04
90	298	446.67	0.22	-2.37	-8.45e-04	-1.27	4.92e-05	7.37e-04
90	304	340.00	0.27	-2.86	-3.83e-04	-0.26	-2.94e-05	4.52e-04
90	304	393.33	-0.41	-1.83	-1.41e-04	-0.87	2.14e-04	2.47e-04
90	304	393.33	-0.41	-1.83	-1.41e-04	-0.87	2.14e-04	2.47e-04
90	304	393.33	-0.41	-1.83	-1.41e-04	-0.87	2.14e-04	2.47e-04
90	304	446.67	0.04	-1.95	-3.60e-04	-0.99	3.97e-05	6.14e-04
90	304	446.67	0.04	-1.95	-3.60e-04	-0.99	3.97e-05	6.14e-04
90	305	340.00	1.24	-3.99	5.98e-04	-0.94	8.62e-06	6.13e-04
90	305	393.33	-0.16	-2.39	1.07e-03	-1.29	3.76e-04	3.09e-04
90	305	393.33	-0.16	-2.39	1.07e-03	-1.29	3.76e-04	3.09e-04
90	305	393.33	-0.16	-2.39	1.07e-03	-1.29	3.76e-04	3.09e-04
90	305	446.67	0.21	-2.63	-6.79e-04	-1.38	5.51e-05	8.31e-04
90	305	446.67	0.21	-2.63	-6.79e-04	-1.38	5.51e-05	8.31e-04
90	306	340.00	0.30	-2.39	0.03	-0.25	1.16e-03	-0.02
90	306	393.33	-0.32	-1.42	0.01	-0.71	8.98e-03	-0.03
90	306	393.33	-0.32	-1.42	0.01	-0.71	8.98e-03	-0.03
90	306	393.33	-0.32	-1.42	0.01	-0.71	8.98e-03	-0.03
90	306	446.67	0.02	-1.56	-0.01	-0.80	1.05e-03	6.04e-03
90	306	446.67	0.02	-1.56	-0.01	-0.80	1.05e-03	6.04e-03
90	309	340.00	0.31	-2.40	7.11e-04	-0.26	2.07e-05	3.55e-04
90	309	393.33	-0.32	-1.43	1.04e-03	-0.73	2.50e-04	1.59e-04
90	309	393.33	-0.32	-1.43	1.04e-03	-0.73	2.50e-04	1.59e-04
90	309	393.33	-0.32	-1.43	1.04e-03	-0.73	2.50e-04	1.59e-04
90	309	446.67	0.03	-1.58	-4.72e-04	-0.81	3.12e-05	4.84e-04
90	309	446.67	0.03	-1.58	-4.72e-04	-0.81	3.12e-05	4.84e-04
90	310	340.00	1.28	-3.54	1.69e-03	-0.94	5.87e-05	5.16e-04
90	310	393.33	-0.07	-1.99	2.24e-03	-1.14	4.12e-04	2.20e-04
90	310	393.33	-0.07	-1.99	2.24e-03	-1.14	4.12e-04	2.20e-04
90	310	393.33	-0.07	-1.99	2.24e-03	-1.14	4.12e-04	2.20e-04
90	310	446.67	0.19	-2.26	-7.92e-04	-1.21	4.66e-05	7.00e-04
90	310	446.67	0.19	-2.26	-7.92e-04	-1.21	4.66e-05	7.00e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-27.02	-71.21	-0.10	-34.41	-0.03	-0.19
	26.87	67.23	0.24	32.12	0.08	0.07

Macro	Tipo	Angolo 1-Z (gradi)
91	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
91	19	340.00	-2.62	1.44	1.02e-03	-2.08	5.61e-05	6.93e-04
91	19	393.33	-0.76	1.36	-2.77e-04	-0.26	1.09e-04	1.62e-04
91	19	393.33	-0.76	1.36	-2.77e-04	-0.26	1.09e-04	1.62e-04
91	19	393.33	-0.76	1.36	-2.77e-04	-0.26	1.09e-04	1.62e-04
91	19	446.67	-0.27	1.29	3.52e-04	0.53	2.72e-04	-2.32e-03
91	19	446.67	-0.27	1.29	3.52e-04	0.53	2.72e-04	-2.32e-03
91	44	340.00	-4.19	-4.87	2.84e-03	-4.22	1.12e-04	2.30e-03
91	44	393.33	-2.30	-2.76	-7.10e-04	-0.51	4.66e-04	7.79e-04
91	44	393.33	-2.30	-2.76	-7.10e-04	-0.51	4.66e-04	7.79e-04
91	44	393.33	-2.30	-2.76	-7.10e-04	-0.51	4.66e-04	7.79e-04
91	44	446.67	-0.88	-3.88	1.46e-04	-1.99	7.71e-04	-7.45e-03
91	44	446.67	-0.88	-3.88	1.46e-04	-1.99	7.71e-04	-7.45e-03
91	68	340.00	-3.83	-0.97	0.30	-3.54	0.01	0.22
91	68	393.33	-1.58	-0.18	-0.07	-0.44	0.08	0.18
91	68	393.33	-1.58	-0.18	-0.07	-0.44	0.08	0.18
91	68	393.33	-1.58	-0.18	-0.07	-0.44	0.08	0.18
91	68	446.67	-0.61	-0.73	-0.12	-0.48	0.02	-0.16
91	68	446.67	-0.61	-0.73	-0.12	-0.48	0.02	-0.16
91	76	340.00	-4.89	-1.77	-0.09	-4.54	-2.90e-03	-0.06
91	76	393.33	-1.91	-0.46	0.02	-0.67	-0.02	-0.05
91	76	393.33	-1.91	-0.46	0.02	-0.67	-0.02	-0.05
91	76	393.33	-1.91	-0.46	0.02	-0.67	-0.02	-0.05
91	76	446.67	-0.73	-1.27	0.04	-0.79	-6.17e-03	0.04
91	76	446.67	-0.73	-1.27	0.04	-0.79	-6.17e-03	0.04
91	113	340.00	1.58	50.78	0.11	2.04	0.02	0.03
91	113	393.33	28.43	43.49	0.03	19.23	0.03	0.02

91	113	393.33	28.43	43.49	0.03	19.23	0.03	0.02
91	113	393.33	28.43	43.49	0.03	19.23	0.03	0.02
91	113	446.67	-2.49	48.82	0.04	-1.72	8.98e-03	0.03
91	113	446.67	-2.49	48.82	0.04	-1.72	8.98e-03	0.03
91	116	340.00	-7.65	-52.31	-0.10	-7.50	-0.02	-0.03
91	116	393.33	-30.87	-43.68	-0.03	-19.93	-0.03	-0.02
91	116	393.33	-30.87	-43.68	-0.03	-19.93	-0.03	-0.02
91	116	393.33	-30.87	-43.68	-0.03	-19.93	-0.03	-0.02
91	116	446.67	1.57	-49.87	-0.04	1.01	-8.08e-03	-0.04
91	116	446.67	1.57	-49.87	-0.04	1.01	-8.08e-03	-0.04
91	119	340.00	-3.44	-43.82	0.03	-3.67	2.48e-03	-0.03
91	119	393.33	-22.58	-36.42	-0.02	-14.53	6.21e-03	-0.04
91	119	393.33	-22.58	-36.42	-0.02	-14.53	6.21e-03	-0.04
91	119	393.33	-22.58	-36.42	-0.02	-14.53	6.21e-03	-0.04
91	119	446.67	2.20	-41.68	0.19	1.58	0.01	-0.05
91	119	446.67	2.20	-41.68	0.19	1.58	0.01	-0.05
91	145	340.00	2.18	57.19	0.12	2.65	0.02	0.04
91	145	393.33	32.15	48.92	0.03	21.69	0.03	0.02
91	145	393.33	32.15	48.92	0.03	21.69	0.03	0.02
91	145	393.33	32.15	48.92	0.03	21.69	0.03	0.02
91	145	446.67	-2.73	54.96	0.04	-1.89	0.01	0.04
91	145	446.67	-2.73	54.96	0.04	-1.89	0.01	0.04
91	148	340.00	-8.25	-58.72	-0.12	-8.11	-0.02	-0.03
91	148	393.33	-34.59	-49.10	-0.03	-22.39	-0.03	-0.02
91	148	393.33	-34.59	-49.10	-0.03	-22.39	-0.03	-0.02
91	148	393.33	-34.59	-49.10	-0.03	-22.39	-0.03	-0.02
91	148	446.67	1.81	-56.00	-0.04	1.18	-9.24e-03	-0.05
91	148	446.67	1.81	-56.00	-0.04	1.18	-9.24e-03	-0.05
91	151	340.00	-3.48	-49.11	0.03	-3.78	2.78e-03	-0.03
91	151	393.33	-25.20	-40.88	-0.02	-16.27	6.98e-03	-0.04
91	151	393.33	-25.20	-40.88	-0.02	-16.27	6.98e-03	-0.04
91	151	393.33	-25.20	-40.88	-0.02	-16.27	6.98e-03	-0.04
91	151	446.67	2.52	-46.74	0.21	1.82	0.01	-0.06
91	151	446.67	2.52	-46.74	0.21	1.82	0.01	-0.06
91	177	340.00	2.28	56.68	0.12	2.75	0.02	0.04
91	177	393.33	32.03	48.49	0.03	21.61	0.04	0.02
91	177	393.33	32.03	48.49	0.03	21.61	0.04	0.02
91	177	393.33	32.03	48.49	0.03	21.61	0.04	0.02
91	177	446.67	-2.64	54.47	0.05	-1.83	0.01	0.04
91	177	446.67	-2.64	54.47	0.05	-1.83	0.01	0.04
91	180	340.00	-8.35	-58.21	-0.12	-8.21	-0.02	-0.03
91	180	393.33	-34.47	-48.67	-0.03	-22.31	-0.04	-0.02
91	180	393.33	-34.47	-48.67	-0.03	-22.31	-0.04	-0.02
91	180	393.33	-34.47	-48.67	-0.03	-22.31	-0.04	-0.02
91	180	446.67	1.72	-55.52	-0.05	1.12	-9.72e-03	-0.05
91	180	446.67	1.72	-55.52	-0.05	1.12	-9.72e-03	-0.05
91	183	340.00	-3.44	-48.32	0.03	-3.74	2.76e-03	-0.03
91	183	393.33	-24.76	-40.21	-0.02	-15.98	7.02e-03	-0.04
91	183	393.33	-24.76	-40.21	-0.02	-15.98	7.02e-03	-0.04
91	183	393.33	-24.76	-40.21	-0.02	-15.98	7.02e-03	-0.04
91	183	446.67	2.45	-45.98	0.22	1.77	0.01	-0.06
91	183	446.67	2.45	-45.98	0.22	1.77	0.01	-0.06
91	209	340.00	3.30	66.56	0.15	3.79	0.03	0.04
91	209	393.33	37.88	56.85	0.03	25.47	0.04	0.03
91	209	393.33	37.88	56.85	0.03	25.47	0.04	0.03
91	209	393.33	37.88	56.85	0.03	25.47	0.04	0.03
91	209	446.67	-2.99	63.93	0.06	-2.06	0.01	0.04
91	209	446.67	-2.99	63.93	0.06	-2.06	0.01	0.04
91	212	340.00	-9.36	-68.08	-0.15	-9.25	-0.03	-0.04
91	212	393.33	-40.32	-57.03	-0.03	-26.18	-0.04	-0.02
91	212	393.33	-40.32	-57.03	-0.03	-26.18	-0.04	-0.02
91	212	393.33	-40.32	-57.03	-0.03	-26.18	-0.04	-0.02
91	212	446.67	2.07	-64.98	-0.06	1.35	-0.01	-0.05
91	212	446.67	2.07	-64.98	-0.06	1.35	-0.01	-0.05
91	215	340.00	-3.49	-56.23	0.04	-3.89	3.17e-03	-0.03
91	215	393.33	-28.67	-46.89	-0.02	-18.57	8.15e-03	-0.05
91	215	393.33	-28.67	-46.89	-0.02	-18.57	8.15e-03	-0.05
91	215	393.33	-28.67	-46.89	-0.02	-18.57	8.15e-03	-0.05
91	215	446.67	2.93	-53.55	0.26	2.13	0.01	-0.07
91	215	446.67	2.93	-53.55	0.26	2.13	0.01	-0.07
91	248	340.00	-2.66	0.78	1.11e-03	-2.19	5.66e-05	7.80e-04
91	248	393.33	-0.88	0.91	-2.93e-04	-0.27	1.38e-04	1.95e-04
91	248	393.33	-0.88	0.91	-2.93e-04	-0.27	1.38e-04	1.95e-04
91	248	393.33	-0.88	0.91	-2.93e-04	-0.27	1.38e-04	1.95e-04
91	248	446.67	-0.32	0.75	3.05e-04	0.27	2.99e-04	-2.64e-03

91	248	446.67	-0.32	0.75	3.05e-04	0.27	2.99e-04	-2.64e-03
91	264	340.00	-3.09	-3.25	1.99e-03	-3.06	7.85e-05	1.61e-03
91	264	393.33	-1.65	-1.80	-4.97e-04	-0.36	3.26e-04	5.43e-04
91	264	393.33	-1.65	-1.80	-4.97e-04	-0.36	3.26e-04	5.43e-04
91	264	393.33	-1.65	-1.80	-4.97e-04	-0.36	3.26e-04	5.43e-04
91	264	446.67	-0.63	-2.58	1.08e-04	-1.33	5.38e-04	-5.20e-03
91	264	446.67	-0.63	-2.58	1.08e-04	-1.33	5.38e-04	-5.20e-03
91	276	340.00	-2.85	-0.65	0.20	-2.60	6.88e-03	0.15
91	276	393.33	-1.18	-0.08	-0.04	-0.31	0.05	0.12
91	276	393.33	-1.18	-0.08	-0.04	-0.31	0.05	0.12
91	276	393.33	-1.18	-0.08	-0.04	-0.31	0.05	0.12
91	276	446.67	-0.45	-0.47	-0.08	-0.32	0.02	-0.11
91	276	446.67	-0.45	-0.47	-0.08	-0.32	0.02	-0.11
91	280	340.00	-3.56	-1.18	-0.06	-3.27	-1.93e-03	-0.04
91	280	393.33	-1.39	-0.27	0.01	-0.47	-0.02	-0.04
91	280	393.33	-1.39	-0.27	0.01	-0.47	-0.02	-0.04
91	280	393.33	-1.39	-0.27	0.01	-0.47	-0.02	-0.04
91	280	446.67	-0.53	-0.84	0.02	-0.53	-4.09e-03	0.03
91	280	446.67	-0.53	-0.84	0.02	-0.53	-4.09e-03	0.03
91	298	340.00	-3.11	-0.83	1.72e-03	-2.81	8.27e-05	1.32e-03
91	298	393.33	-1.25	-0.12	-4.63e-04	-0.37	1.99e-04	3.80e-04
91	298	393.33	-1.25	-0.12	-4.63e-04	-0.37	1.99e-04	3.80e-04
91	298	393.33	-1.25	-0.12	-4.63e-04	-0.37	1.99e-04	3.80e-04
91	298	446.67	-0.47	-0.57	3.78e-04	-0.38	4.76e-04	-4.40e-03
91	298	446.67	-0.47	-0.57	3.78e-04	-0.38	4.76e-04	-4.40e-03
91	302	340.00	-2.61	-0.15	1.12e-03	-2.24	5.11e-05	8.26e-04
91	302	393.33	-1.03	0.25	-2.84e-04	-0.26	1.65e-04	2.29e-04
91	302	393.33	-1.03	0.25	-2.84e-04	-0.26	1.65e-04	2.29e-04
91	302	393.33	-1.03	0.25	-2.84e-04	-0.26	1.65e-04	2.29e-04
91	302	446.67	-0.38	-0.03	1.99e-04	-0.10	3.04e-04	-2.79e-03
91	302	446.67	-0.38	-0.03	1.99e-04	-0.10	3.04e-04	-2.79e-03
91	305	340.00	-3.01	-1.23	1.64e-03	-2.76	7.53e-05	1.28e-03
91	305	393.33	-1.29	-0.42	-4.33e-04	-0.35	2.09e-04	3.77e-04
91	305	393.33	-1.29	-0.42	-4.33e-04	-0.35	2.09e-04	3.77e-04
91	305	393.33	-1.29	-0.42	-4.33e-04	-0.35	2.09e-04	3.77e-04
91	305	446.67	-0.49	-0.91	2.96e-04	-0.54	4.54e-04	-4.25e-03
91	305	446.67	-0.49	-0.91	2.96e-04	-0.54	4.54e-04	-4.25e-03
91	307	340.00	-2.96	-0.71	0.04	-2.66	1.44e-03	0.03
91	307	393.33	-1.20	-0.08	-9.33e-03	-0.34	0.01	0.02
91	307	393.33	-1.20	-0.08	-9.33e-03	-0.34	0.01	0.02
91	307	393.33	-1.20	-0.08	-9.33e-03	-0.34	0.01	0.02
91	307	446.67	-0.45	-0.49	-0.02	-0.34	3.58e-03	-0.03
91	307	446.67	-0.45	-0.49	-0.02	-0.34	3.58e-03	-0.03
91	309	340.00	-2.60	-0.38	1.12e-03	-2.25	4.97e-05	8.37e-04
91	309	393.33	-1.06	0.09	-2.82e-04	-0.25	1.72e-04	2.38e-04
91	309	393.33	-1.06	0.09	-2.82e-04	-0.25	1.72e-04	2.38e-04
91	309	393.33	-1.06	0.09	-2.82e-04	-0.25	1.72e-04	2.38e-04
91	309	446.67	-0.39	-0.22	1.73e-04	-0.19	3.05e-04	-2.83e-03
91	309	446.67	-0.39	-0.22	1.73e-04	-0.19	3.05e-04	-2.83e-03
91	310	340.00	-3.03	-0.76	1.63e-03	-2.73	7.80e-05	1.25e-03
91	310	393.33	-1.22	-0.09	-4.37e-04	-0.35	1.95e-04	3.60e-04
91	310	393.33	-1.22	-0.09	-4.37e-04	-0.35	1.95e-04	3.60e-04
91	310	393.33	-1.22	-0.09	-4.37e-04	-0.35	1.95e-04	3.60e-04
91	310	446.67	-0.46	-0.52	3.49e-04	-0.36	4.52e-04	-4.17e-03
91	310	446.67	-0.46	-0.52	3.49e-04	-0.36	4.52e-04	-4.17e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-40.32	-68.08	-0.15	-26.18	-0.04	-0.16
	37.88	66.56	0.30	25.47	0.08	0.22

Macro	Tipo	Angolo 1-Z (gradi)
92	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
92	8	960.00	-0.02	-2.74	-6.13e-04	1.54	0.0	1.57e-03
92	8	1010.00	-0.02	-2.74	-6.05e-04	0.18	-3.05e-04	2.67e-03
92	8	1060.00	-0.51	-3.26	-3.09e-03	0.07	1.28e-04	1.78e-03
92	28	960.00	-0.08	-4.48	-6.04e-04	2.59	0.0	1.86e-03
92	28	1010.00	-0.08	-4.48	-5.95e-04	0.35	-3.00e-04	3.15e-03
92	28	1060.00	-0.69	-5.24	-4.06e-03	0.13	1.70e-04	2.09e-03
92	41	960.00	-0.16	-3.04	2.69e-05	1.82	0.0	5.68e-04

92	41	1010.00	-0.16	-3.04	3.22e-05	0.30	1.46e-05	9.48e-04
92	41	1060.00	-0.70	-3.50	-2.65e-03	0.10	1.15e-04	6.30e-04
92	70	960.00	-0.10	-0.87	0.18	0.57	0.0	-0.19
92	70	1010.00	-0.10	-0.87	0.18	0.14	0.09	-0.34
92	70	1060.00	-0.53	-1.06	-0.21	0.04	0.01	-0.23
92	113	960.00	0.13	21.99	0.01	-6.95	0.01	0.03
92	113	1010.00	0.13	21.99	0.01	-7.93	0.01	0.03
92	113	1060.00	-0.83	25.83	-0.03	-0.89	2.30e-03	0.02
92	116	960.00	-0.28	-25.91	-0.01	9.20	-0.01	-0.02
92	116	1010.00	-0.28	-25.91	-0.01	8.23	-0.01	-0.02
92	116	1060.00	-0.21	-30.43	0.03	1.00	-2.12e-03	-0.02
92	129	960.00	0.17	15.54	0.19	-4.40	0.05	0.03
92	129	1010.00	0.17	15.54	0.19	-5.38	0.05	0.03
92	129	1060.00	-0.77	17.44	-0.18	-0.61	0.03	0.04
92	137	960.00	0.14	11.97	0.17	-3.18	0.04	0.04
92	137	1010.00	0.14	11.97	0.17	-4.16	0.04	0.04
92	137	1060.00	-0.72	13.25	-0.16	-0.47	0.03	0.05
92	145	960.00	0.16	24.99	0.01	-7.96	0.01	0.03
92	145	1010.00	0.16	24.99	0.01	-8.94	0.01	0.03
92	145	1060.00	-0.87	29.34	-0.03	-1.00	2.64e-03	0.03
92	148	960.00	-0.31	-28.90	-0.01	10.21	-0.01	-0.03
92	148	1010.00	-0.31	-28.90	-0.01	9.23	-0.01	-0.03
92	148	1060.00	-0.17	-33.94	0.03	1.12	-2.47e-03	-0.02
92	161	960.00	0.20	17.81	0.21	-5.12	0.06	0.04
92	161	1010.00	0.20	17.81	0.21	-6.10	0.06	0.04
92	161	1060.00	-0.80	19.99	-0.21	-0.70	0.03	0.04
92	169	960.00	0.17	13.76	0.19	-3.73	0.05	0.04
92	169	1010.00	0.17	13.76	0.19	-4.71	0.05	0.05
92	169	1060.00	-0.74	15.24	-0.18	-0.53	0.03	0.05
92	177	960.00	0.16	24.83	0.02	-7.89	0.01	0.03
92	177	1010.00	0.16	24.83	0.02	-8.87	0.01	0.03
92	177	1060.00	-0.87	29.12	-0.04	-1.00	3.02e-03	0.03
92	180	960.00	-0.31	-28.74	-0.02	10.15	-0.01	-0.03
92	180	1010.00	-0.31	-28.74	-0.02	9.17	-0.02	-0.03
92	180	1060.00	-0.18	-33.72	0.03	1.11	-2.85e-03	-0.02
92	193	960.00	0.21	18.21	0.22	-5.23	0.06	0.04
92	193	1010.00	0.21	18.21	0.22	-6.21	0.06	0.04
92	193	1060.00	-0.81	20.40	-0.22	-0.71	0.04	0.04
92	201	960.00	0.17	13.93	0.19	-3.77	0.05	0.04
92	201	1010.00	0.17	13.93	0.19	-4.75	0.05	0.05
92	201	1060.00	-0.75	15.41	-0.19	-0.54	0.03	0.05
92	209	960.00	0.20	29.51	0.02	-9.46	0.02	0.03
92	209	1010.00	0.20	29.51	0.02	-10.44	0.02	0.03
92	209	1060.00	-0.93	34.59	-0.04	-1.18	3.81e-03	0.03
92	212	960.00	-0.35	-33.42	-0.02	11.71	-0.02	-0.03
92	212	1010.00	-0.35	-33.42	-0.02	10.74	-0.02	-0.03
92	212	1060.00	-0.11	-39.19	0.04	1.29	-3.63e-03	-0.03
92	225	960.00	0.27	22.11	0.27	-6.45	0.07	0.04
92	225	1010.00	0.27	22.11	0.27	-7.43	0.07	0.05
92	225	1060.00	-0.86	24.78	-0.26	-0.86	0.04	0.05
92	233	960.00	0.22	16.83	0.23	-4.66	0.06	0.05
92	233	1010.00	0.22	16.83	0.23	-5.64	0.06	0.06
92	233	1060.00	-0.79	18.62	-0.22	-0.65	0.04	0.06
92	244	960.00	-0.05	-2.35	-4.10e-04	1.33	0.0	1.16e-03
92	244	1010.00	-0.05	-2.35	-4.03e-04	0.16	-2.03e-04	1.97e-03
92	244	1060.00	-0.52	-2.80	-2.74e-03	0.07	1.15e-04	1.32e-03
92	256	960.00	-0.07	-3.07	-3.97e-04	1.78	0.0	1.26e-03
92	256	1010.00	-0.07	-3.07	-3.90e-04	0.25	-1.97e-04	2.13e-03
92	256	1060.00	-0.53	-3.59	-2.86e-03	0.09	1.20e-04	1.41e-03
92	261	960.00	-0.12	-2.12	2.38e-05	1.26	0.0	3.98e-04
92	261	1010.00	-0.12	-2.12	2.77e-05	0.21	1.27e-05	6.65e-04
92	261	1060.00	-0.54	-2.44	-1.92e-03	0.07	8.29e-05	4.43e-04
92	274	960.00	-0.10	-1.11	0.12	0.69	0.0	-0.13
92	274	1010.00	-0.10	-1.11	0.12	0.13	0.06	-0.23
92	274	1060.00	-0.52	-1.33	-0.14	0.04	7.37e-03	-0.16
92	301	960.00	-0.07	-2.04	-2.67e-04	1.17	0.0	8.65e-04
92	301	1010.00	-0.07	-2.04	-2.61e-04	0.15	-1.32e-04	1.47e-03
92	301	1060.00	-0.52	-2.40	-2.28e-03	0.06	9.57e-05	9.84e-04
92	304	960.00	-0.10	-1.48	1.24e-05	0.87	0.0	3.10e-04
92	304	1010.00	-0.10	-1.48	1.65e-05	0.13	7.05e-06	5.25e-04
92	304	1060.00	-0.53	-1.73	-1.81e-03	0.05	7.83e-05	3.62e-04
92	305	960.00	-0.08	-2.12	-3.18e-04	1.22	0.0	9.56e-04
92	305	1010.00	-0.08	-2.12	-3.13e-04	0.17	-1.58e-04	1.62e-03
92	305	1060.00	-0.52	-2.48	-2.08e-03	0.06	8.71e-05	1.08e-03
92	306	960.00	-0.10	-1.23	0.02	0.73	0.0	-0.03

92	306	1010.00	-0.10	-1.23	0.02	0.11	0.01	-0.04
92	306	1060.00	-0.52	-1.45	-0.03	0.04	1.53e-03	-0.03
92	309	960.00	-0.10	-1.32	9.48e-06	0.77	0.0	2.88e-04
92	309	1010.00	-0.10	-1.32	1.37e-05	0.11	5.63e-06	4.90e-04
92	309	1060.00	-0.52	-1.55	-1.79e-03	0.04	7.72e-05	3.41e-04
92	310	960.00	-0.08	-1.96	-3.21e-04	1.13	0.0	9.34e-04
92	310	1010.00	-0.08	-1.96	-3.15e-04	0.15	-1.59e-04	1.59e-03
92	310	1060.00	-0.52	-2.30	-2.06e-03	0.06	8.59e-05	1.06e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-0.93	-39.19	-0.26	-10.44	-0.02	-0.34
	0.27	34.59	0.27	11.71	0.09	0.06

Macro	Tipo	Angolo 1-Z (gradi)
93	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
93	44	340.00	-9.29	6.73	-0.21	10.15	0.0	-0.22
93	44	393.33	-0.82	5.11	0.07	0.24	-0.10	-0.21
93	44	393.33	-0.82	5.11	0.07	0.24	-0.10	-0.21
93	44	393.33	-0.82	5.11	0.07	0.24	-0.10	-0.21
93	44	446.67	0.93	5.94	0.13	-2.53	-0.03	0.18
93	44	446.67	0.93	5.94	0.13	-2.53	-0.03	0.18
93	59	340.00	-11.46	4.66	-1.78e-03	10.89	0.0	-1.99e-04
93	59	393.33	-1.60	3.61	-1.82e-04	0.62	-1.12e-03	5.31e-04
93	59	393.33	-1.60	3.61	-1.82e-04	0.62	-1.12e-03	5.31e-04
93	59	393.33	-1.60	3.61	-1.82e-04	0.62	-1.12e-03	5.31e-04
93	59	446.67	0.65	4.35	6.80e-04	-1.66	-3.84e-04	4.05e-03
93	59	446.67	0.65	4.35	6.80e-04	-1.66	-3.84e-04	4.05e-03
93	75	340.00	-8.76	9.09	-2.03e-03	11.79	0.0	-4.98e-04
93	75	393.33	0.25	6.85	1.09e-04	0.48	-1.24e-03	2.03e-04
93	75	393.33	0.25	6.85	1.09e-04	0.48	-1.24e-03	2.03e-04
93	75	393.33	0.25	6.85	1.09e-04	0.48	-1.24e-03	2.03e-04
93	75	446.67	1.46	8.00	6.45e-04	-3.51	-4.44e-04	4.47e-03
93	75	446.67	1.46	8.00	6.45e-04	-3.51	-4.44e-04	4.47e-03
93	76	340.00	-10.08	9.54	-2.12e-03	12.39	0.0	-5.13e-04
93	76	393.33	-0.38	7.43	1.07e-04	0.21	-1.30e-03	2.26e-04
93	76	393.33	-0.38	7.43	1.07e-04	0.21	-1.30e-03	2.26e-04
93	76	393.33	-0.38	7.43	1.07e-04	0.21	-1.30e-03	2.26e-04
93	76	446.67	1.33	8.32	6.78e-04	-3.65	-4.67e-04	4.70e-03
93	76	446.67	1.33	8.32	6.78e-04	-3.65	-4.67e-04	4.70e-03
93	123	340.00	-3.18	-10.04	-0.18	6.27	-0.05	0.01
93	123	393.33	-4.69	-11.66	0.12	5.49	-0.07	0.03
93	123	393.33	-4.69	-11.66	0.12	5.49	-0.07	0.03
93	123	393.33	-4.69	-11.66	0.12	5.49	-0.07	0.03
93	123	446.67	2.13	-9.67	-0.08	-3.11	-0.03	0.03
93	123	446.67	2.13	-9.67	-0.08	-3.11	-0.03	0.03
93	129	340.00	-9.88	-57.14	0.12	18.36	0.03	0.03
93	129	393.33	-33.44	-60.18	-0.14	35.29	0.05	0.01
93	129	393.33	-33.44	-60.18	-0.14	35.29	0.05	0.01
93	129	393.33	-33.44	-60.18	-0.14	35.29	0.05	0.01
93	129	446.67	1.55	-53.73	-0.05	-3.02	0.01	0.02
93	129	446.67	1.55	-53.73	-0.05	-3.02	0.01	0.02
93	132	340.00	-2.07	65.86	-0.12	-4.99	-0.03	-0.03
93	132	393.33	32.41	66.85	0.14	-34.74	-0.05	-0.01
93	132	393.33	32.41	66.85	0.14	-34.74	-0.05	-0.01
93	132	393.33	32.41	66.85	0.14	-34.74	-0.05	-0.01
93	132	446.67	-0.37	61.51	0.05	-0.29	-0.01	-0.01
93	132	446.67	-0.37	61.51	0.05	-0.29	-0.01	-0.01
93	155	340.00	-2.84	-11.98	-0.20	6.25	-0.05	0.01
93	155	393.33	-5.28	-13.68	0.14	6.22	-0.08	0.03
93	155	393.33	-5.28	-13.68	0.14	6.22	-0.08	0.03
93	155	393.33	-5.28	-13.68	0.14	6.22	-0.08	0.03
93	155	446.67	2.33	-11.49	-0.09	-3.29	-0.03	0.04
93	155	446.67	2.33	-11.49	-0.09	-3.29	-0.03	0.04
93	161	340.00	-10.41	-65.32	0.13	19.91	0.04	0.03
93	161	393.33	-37.83	-68.64	-0.16	39.95	0.05	0.02
93	161	393.33	-37.83	-68.64	-0.16	39.95	0.05	0.02
93	161	393.33	-37.83	-68.64	-0.16	39.95	0.05	0.02
93	161	446.67	1.67	-61.40	-0.06	-3.19	0.01	0.02
93	161	446.67	1.67	-61.40	-0.06	-3.19	0.01	0.02

93	164	340.00	-1.54	74.05	-0.13	-6.54	-0.04	-0.03
93	164	393.33	36.80	75.30	0.16	-39.39	-0.06	-0.02
93	164	393.33	36.80	75.30	0.16	-39.39	-0.06	-0.02
93	164	393.33	36.80	75.30	0.16	-39.39	-0.06	-0.02
93	164	446.67	-0.50	69.18	0.06	-0.12	-0.01	-0.01
93	164	446.67	-0.50	69.18	0.06	-0.12	-0.01	-0.01
93	187	340.00	-2.95	-12.74	-0.19	6.43	-0.05	0.01
93	187	393.33	-5.75	-14.46	0.14	6.69	-0.08	0.03
93	187	393.33	-5.75	-14.46	0.14	6.69	-0.08	0.03
93	187	393.33	-5.75	-14.46	0.14	6.69	-0.08	0.03
93	187	446.67	2.31	-12.21	-0.09	-3.28	-0.03	0.04
93	187	446.67	2.31	-12.21	-0.09	-3.28	-0.03	0.04
93	193	340.00	-10.63	-67.97	0.13	20.38	0.04	0.03
93	193	393.33	-39.27	-71.38	-0.16	41.41	0.05	0.02
93	193	393.33	-39.27	-71.38	-0.16	41.41	0.05	0.02
93	193	393.33	-39.27	-71.38	-0.16	41.41	0.05	0.02
93	193	446.67	1.70	-63.88	-0.06	-3.21	0.01	0.02
93	193	446.67	1.70	-63.88	-0.06	-3.21	0.01	0.02
93	196	340.00	-1.32	76.70	-0.13	-7.02	-0.04	-0.03
93	196	393.33	38.25	78.05	0.16	-40.86	-0.05	-0.02
93	196	393.33	38.25	78.05	0.16	-40.86	-0.05	-0.02
93	196	393.33	38.25	78.05	0.16	-40.86	-0.05	-0.02
93	196	446.67	-0.53	71.67	0.06	-0.10	-0.01	-0.01
93	196	446.67	-0.53	71.67	0.06	-0.10	-0.01	-0.01
93	219	340.00	-2.51	-16.35	-0.22	6.54	-0.06	0.02
93	219	393.33	-7.05	-18.21	0.16	8.19	-0.09	0.04
93	219	393.33	-7.05	-18.21	0.16	8.19	-0.09	0.04
93	219	393.33	-7.05	-18.21	0.16	8.19	-0.09	0.04
93	219	446.67	2.60	-15.61	-0.10	-3.56	-0.03	0.04
93	219	446.67	2.60	-15.61	-0.10	-3.56	-0.03	0.04
93	225	340.00	-11.60	-82.80	0.15	23.19	0.05	0.04
93	225	393.33	-47.22	-86.70	-0.20	49.83	0.06	0.02
93	225	393.33	-47.22	-86.70	-0.20	49.83	0.06	0.02
93	225	393.33	-47.22	-86.70	-0.20	49.83	0.06	0.02
93	225	446.67	1.94	-77.78	-0.07	-3.53	0.01	0.02
93	225	446.67	1.94	-77.78	-0.07	-3.53	0.01	0.02
93	228	340.00	-0.35	91.52	-0.16	-9.83	-0.05	-0.04
93	228	393.33	46.20	93.36	0.20	-49.27	-0.06	-0.02
93	228	393.33	46.20	93.36	0.20	-49.27	-0.06	-0.02
93	228	393.33	46.20	93.36	0.20	-49.27	-0.06	-0.02
93	228	446.67	-0.77	85.56	0.07	0.22	-0.01	-0.02
93	228	446.67	-0.77	85.56	0.07	0.22	-0.01	-0.02
93	264	340.00	-6.72	4.72	-0.14	7.16	0.0	-0.15
93	264	393.33	-0.73	3.62	0.05	0.14	-0.07	-0.14
93	264	393.33	-0.73	3.62	0.05	0.14	-0.07	-0.14
93	264	393.33	-0.73	3.62	0.05	0.14	-0.07	-0.14
93	264	446.67	0.61	4.17	0.09	-1.77	-0.02	0.12
93	264	446.67	0.61	4.17	0.09	-1.77	-0.02	0.12
93	271	340.00	-8.17	3.34	-1.23e-03	7.65	0.0	-1.40e-04
93	271	393.33	-1.24	2.61	-1.20e-04	0.40	-7.78e-04	3.66e-04
93	271	393.33	-1.24	2.61	-1.20e-04	0.40	-7.78e-04	3.66e-04
93	271	393.33	-1.24	2.61	-1.20e-04	0.40	-7.78e-04	3.66e-04
93	271	446.67	0.42	3.11	4.66e-04	-1.19	-2.68e-04	2.82e-03
93	271	446.67	0.42	3.11	4.66e-04	-1.19	-2.68e-04	2.82e-03
93	279	340.00	-6.37	6.29	-1.40e-03	8.25	0.0	-3.39e-04
93	279	393.33	-0.01	4.77	7.47e-05	0.30	-8.58e-04	1.47e-04
93	279	393.33	-0.01	4.77	7.47e-05	0.30	-8.58e-04	1.47e-04
93	279	393.33	-0.01	4.77	7.47e-05	0.30	-8.58e-04	1.47e-04
93	279	446.67	0.96	5.54	4.43e-04	-2.43	-3.08e-04	3.10e-03
93	279	446.67	0.96	5.54	4.43e-04	-2.43	-3.08e-04	3.10e-03
93	280	340.00	-7.25	6.59	-1.46e-03	8.65	0.0	-3.49e-04
93	280	393.33	-0.43	5.16	7.30e-05	0.13	-8.98e-04	1.62e-04
93	280	393.33	-0.43	5.16	7.30e-05	0.13	-8.98e-04	1.62e-04
93	280	393.33	-0.43	5.16	7.30e-05	0.13	-8.98e-04	1.62e-04
93	280	446.67	0.87	5.75	4.65e-04	-2.52	-3.23e-04	3.26e-03
93	280	446.67	0.87	5.75	4.65e-04	-2.52	-3.23e-04	3.26e-03
93	298	340.00	-6.11	4.61	-1.17e-03	7.05	0.0	-2.51e-04
93	298	393.33	-0.39	3.48	1.60e-05	0.34	-7.22e-04	1.73e-04
93	298	393.33	-0.39	3.48	1.60e-05	0.34	-7.22e-04	1.73e-04
93	298	393.33	-0.39	3.48	1.60e-05	0.34	-7.22e-04	1.73e-04
93	298	446.67	0.67	4.12	3.90e-04	-1.76	-2.58e-04	2.62e-03
93	298	446.67	0.67	4.12	3.90e-04	-1.76	-2.58e-04	2.62e-03
93	301	340.00	-6.33	4.48	-1.13e-03	6.84	0.0	-2.48e-04
93	301	393.33	-0.68	3.49	1.79e-05	0.21	-6.97e-04	1.62e-04
93	301	393.33	-0.68	3.49	1.79e-05	0.21	-6.97e-04	1.62e-04

93	301	393.33	-0.68	3.49	1.79e-05	0.21	-6.97e-04	1.62e-04
93	301	446.67	0.55	3.98	3.75e-04	-1.69	-2.50e-04	2.54e-03
93	301	446.67	0.55	3.98	3.75e-04	-1.69	-2.50e-04	2.54e-03
93	305	340.00	-5.92	4.33	-0.03	6.62	0.0	-0.03
93	305	393.33	-0.50	3.28	9.64e-03	0.27	-0.01	-0.03
93	305	393.33	-0.50	3.28	9.64e-03	0.27	-0.01	-0.03
93	305	393.33	-0.50	3.28	9.64e-03	0.27	-0.01	-0.03
93	305	446.67	0.59	3.86	0.02	-1.64	-3.59e-03	0.03
93	305	446.67	0.59	3.86	0.02	-1.64	-3.59e-03	0.03
93	310	340.00	-5.98	4.36	-1.10e-03	6.68	0.0	-2.44e-04
93	310	393.33	-0.51	3.33	1.85e-05	0.28	-6.81e-04	1.55e-04
93	310	393.33	-0.51	3.33	1.85e-05	0.28	-6.81e-04	1.55e-04
93	310	393.33	-0.51	3.33	1.85e-05	0.28	-6.81e-04	1.55e-04
93	310	446.67	0.59	3.89	3.67e-04	-1.66	-2.44e-04	2.48e-03
93	310	446.67	0.59	3.89	3.67e-04	-1.66	-2.44e-04	2.48e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-47.22	-86.70	-0.22	-49.27	-0.10	-0.22
			46.20	93.36	0.20	49.83	0.06	0.18

Macro	Tipo	Angolo 1-Z (gradi)
94	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
94	45	960.00	-3.56	0.94	-0.19	0.08	0.0	0.19
94	45	1010.00	-3.56	0.94	-0.19	-0.39	-0.09	0.34
94	45	1060.00	-8.68	1.58	0.20	-0.02	-0.01	0.23
94	59	960.00	-9.89	1.27	3.02e-03	-0.61	0.0	-5.12e-04
94	59	1010.00	-9.89	1.27	3.02e-03	-1.25	1.51e-03	-1.26e-03
94	59	1060.00	-23.98	2.92	-4.36e-03	-0.10	2.33e-04	-1.19e-03
94	75	960.00	-5.03	4.44	3.14e-03	1.03	0.0	-5.93e-04
94	75	1010.00	-5.03	4.44	3.14e-03	-1.19	1.57e-03	-1.40e-03
94	75	1060.00	-12.73	6.45	-4.55e-03	-0.03	2.44e-04	-1.29e-03
94	79	960.00	-3.37	4.00	2.55e-03	0.99	0.0	-4.34e-04
94	79	1010.00	-3.37	4.00	2.55e-03	-1.00	1.28e-03	-1.06e-03
94	79	1060.00	-8.69	5.70	-3.70e-03	-0.02	1.98e-04	-1.00e-03
94	124	960.00	-3.42	13.52	-0.16	4.34	-0.04	-0.03
94	124	1010.00	-3.42	13.52	-0.16	3.39	-0.04	-0.03
94	124	1060.00	-9.41	16.07	0.17	0.29	-0.02	-0.03
94	132	960.00	-3.08	34.03	-0.01	12.62	-7.69e-03	-0.02
94	132	1010.00	-3.08	34.03	-0.01	11.68	-6.82e-03	-0.02
94	132	1060.00	-9.65	39.78	0.05	0.88	-3.50e-03	-0.02
94	140	960.00	-3.11	33.59	-0.04	12.47	-9.97e-03	-0.02
94	140	1010.00	-3.11	33.59	-0.04	11.53	-9.11e-03	-0.02
94	140	1060.00	-9.65	39.29	0.06	0.87	-5.27e-03	-0.02
94	156	960.00	-3.37	15.05	-0.18	4.87	-0.05	-0.03
94	156	1010.00	-3.37	15.05	-0.18	3.93	-0.05	-0.03
94	156	1060.00	-9.42	17.79	0.19	0.33	-0.02	-0.04
94	164	960.00	-2.99	38.30	-0.02	14.27	-8.61e-03	-0.03
94	164	1010.00	-2.99	38.30	-0.02	13.32	-7.74e-03	-0.03
94	164	1060.00	-9.70	44.67	0.06	1.00	-3.94e-03	-0.02
94	188	960.00	-3.37	15.38	-0.18	5.01	-0.05	-0.03
94	188	1010.00	-3.37	15.38	-0.18	4.06	-0.05	-0.03
94	188	1060.00	-9.43	18.17	0.18	0.34	-0.02	-0.04
94	196	960.00	-2.96	39.63	-0.01	14.79	-8.31e-03	-0.03
94	196	1010.00	-2.96	39.63	-0.01	13.84	-7.45e-03	-0.03
94	196	1060.00	-9.71	46.19	0.06	1.04	-3.82e-03	-0.03
94	220	960.00	-3.30	18.03	-0.21	5.96	-0.05	-0.04
94	220	1010.00	-3.30	18.03	-0.21	5.02	-0.05	-0.04
94	220	1060.00	-9.45	21.18	0.21	0.41	-0.03	-0.04
94	228	960.00	-2.81	47.35	-0.02	17.76	-9.50e-03	-0.03
94	228	1010.00	-2.81	47.35	-0.02	16.81	-8.64e-03	-0.03
94	228	1060.00	-9.80	55.04	0.07	1.26	-4.40e-03	-0.03
94	261	960.00	-3.82	0.97	-0.12	0.07	0.0	0.13
94	261	1010.00	-3.82	0.97	-0.12	-0.41	-0.06	0.23
94	261	1060.00	-9.30	1.65	0.13	-0.02	-7.37e-03	0.16
94	271	960.00	-6.93	0.89	2.09e-03	-0.42	0.0	-3.49e-04
94	271	1010.00	-6.93	0.89	2.09e-03	-0.86	1.05e-03	-8.60e-04
94	271	1060.00	-16.81	2.04	-3.01e-03	-0.07	1.61e-04	-8.19e-04
94	279	960.00	-3.69	3.01	2.17e-03	0.68	0.0	-4.03e-04
94	279	1010.00	-3.69	3.01	2.17e-03	-0.82	1.09e-03	-9.57e-04

94	279	1060.00	-9.31	4.40	-3.14e-03	-0.02	1.68e-04	-8.87e-04
94	298	960.00	-3.73	2.07	1.82e-03	0.31	0.0	-3.18e-04
94	298	1010.00	-3.73	2.07	1.82e-03	-0.73	9.09e-04	-7.71e-04
94	298	1060.00	-9.31	3.21	-2.60e-03	-0.03	1.39e-04	-7.27e-04
94	301	960.00	-4.38	1.82	1.81e-03	0.22	0.0	-3.40e-04
94	301	1010.00	-4.38	1.82	1.81e-03	-0.69	9.06e-04	-8.05e-04
94	301	1060.00	-10.81	2.91	-2.61e-03	-0.03	1.40e-04	-7.45e-04
94	304	960.00	-3.82	0.86	-0.02	0.03	0.0	0.03
94	304	1010.00	-3.82	0.86	-0.02	-0.40	-0.01	0.05
94	304	1060.00	-9.30	1.51	0.02	-0.02	-1.40e-03	0.03
94	310	960.00	-3.74	1.90	1.73e-03	0.26	0.0	-3.10e-04
94	310	1010.00	-3.74	1.90	1.73e-03	-0.68	8.63e-04	-7.44e-04
94	310	1060.00	-9.31	2.96	-2.47e-03	-0.03	1.32e-04	-6.98e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-23.98	0.86	-0.21	-1.25	-0.09	-0.04
	-2.81	55.04	0.21	17.76	1.57e-03	0.34

Macro	Tipo	Angolo 1-Z (gradi)
95	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
95	51	960.00	-0.10	-3.84	-7.96e-04	-1.45	0.0	7.92e-03
95	51	1010.00	1.39	-5.08	-2.13e-03	-0.22	-6.37e-04	0.02
95	51	1060.00	-0.46	-5.19	8.49e-04	-0.02	-4.31e-05	7.86e-03
95	59	960.00	-0.21	-4.82	-2.38e-03	-1.74	0.0	6.03e-03
95	59	1010.00	1.83	-6.41	-2.82e-03	-0.28	-1.54e-03	0.01
95	59	1060.00	-0.47	-6.79	2.64e-03	-0.02	-1.33e-04	5.71e-03
95	68	960.00	-0.18	-5.44	-1.64e-03	-2.02	0.0	6.33e-03
95	68	1010.00	2.03	-7.27	-2.41e-03	-0.34	-1.09e-03	0.01
95	68	1060.00	-0.47	-7.25	1.81e-03	-0.03	-9.15e-05	6.11e-03
95	121	960.00	0.12	-8.41	0.18	-1.76	0.04	9.25e-03
95	121	1010.00	1.62	-11.41	0.07	-1.66	0.07	0.02
95	121	1060.00	-0.37	-9.94	-0.14	-0.12	0.03	9.22e-03
95	137	960.00	-0.22	-37.36	0.04	-5.86	8.81e-03	7.48e-03
95	137	1010.00	3.86	-51.08	0.02	-6.75	0.02	0.01
95	137	1060.00	-0.42	-42.64	-0.03	-0.55	5.17e-03	6.27e-03
95	140	960.00	0.02	34.70	-0.04	4.92	-8.81e-03	5.71e-04
95	140	1010.00	-3.10	47.76	-0.02	6.68	-0.02	4.32e-03
95	140	1060.00	-0.28	38.52	0.03	0.55	-5.26e-03	1.65e-03
95	153	960.00	0.14	-9.36	0.20	-1.93	0.05	9.90e-03
95	153	1010.00	1.78	-12.73	0.08	-1.88	0.08	0.02
95	153	1060.00	-0.37	-11.01	-0.16	-0.13	0.03	9.86e-03
95	169	960.00	-0.24	-42.08	0.04	-6.57	9.89e-03	7.91e-03
95	169	1010.00	4.32	-57.54	0.02	-7.63	0.02	0.01
95	169	1060.00	-0.43	-47.95	-0.03	-0.63	5.81e-03	6.56e-03
95	172	960.00	0.04	39.42	-0.04	5.62	-9.89e-03	1.38e-04
95	172	1010.00	-3.56	54.23	-0.03	7.56	-0.02	3.80e-03
95	172	1060.00	-0.27	43.83	0.03	0.62	-5.90e-03	1.36e-03
95	185	960.00	0.14	-9.78	0.20	-1.99	0.05	9.79e-03
95	185	1010.00	1.82	-13.30	0.08	-1.96	0.08	0.02
95	185	1060.00	-0.37	-11.48	-0.16	-0.14	0.03	9.65e-03
95	201	960.00	-0.24	-43.05	0.04	-6.72	9.72e-03	7.85e-03
95	201	1010.00	4.42	-58.88	0.02	-7.82	0.02	0.01
95	201	1060.00	-0.43	-49.05	-0.03	-0.64	5.71e-03	6.53e-03
95	204	960.00	0.04	40.39	-0.04	5.77	-9.72e-03	1.96e-04
95	204	1010.00	-3.66	55.57	-0.03	7.74	-0.02	3.88e-03
95	204	1060.00	-0.27	44.93	0.03	0.63	-5.79e-03	1.39e-03
95	217	960.00	0.18	-11.61	0.23	-2.31	0.06	0.01
95	217	1010.00	2.11	-15.81	0.09	-2.36	0.09	0.02
95	217	1060.00	-0.38	-13.53	-0.18	-0.17	0.03	0.01
95	233	960.00	-0.26	-50.94	0.05	-7.90	0.01	8.53e-03
95	233	1010.00	5.19	-69.70	0.03	-9.29	0.02	0.01
95	233	1060.00	-0.45	-57.93	-0.03	-0.76	6.67e-03	6.99e-03
95	236	960.00	0.07	48.28	-0.05	6.96	-0.01	-4.76e-04
95	236	1010.00	-4.43	66.38	-0.03	9.22	-0.02	3.07e-03
95	236	1060.00	-0.26	53.81	0.04	0.75	-6.75e-03	9.20e-04
95	267	960.00	-0.09	-2.65	-6.19e-04	-1.00	0.0	5.43e-03
95	267	1010.00	0.93	-3.49	-1.50e-03	-0.15	-4.82e-04	0.01
95	267	1060.00	-0.36	-3.61	6.68e-04	-0.02	-3.38e-05	5.38e-03
95	271	960.00	-0.16	-3.31	-1.68e-03	-1.19	0.0	4.17e-03

95	271	1010.00	1.22	-4.38	-1.97e-03	-0.18	-1.08e-03	8.61e-03
95	271	1060.00	-0.36	-4.68	1.86e-03	-0.01	-9.39e-05	3.94e-03
95	276	960.00	-0.14	-3.72	-1.18e-03	-1.38	0.0	4.37e-03
95	276	1010.00	1.36	-4.95	-1.69e-03	-0.22	-7.83e-04	9.09e-03
95	276	1060.00	-0.36	-4.98	1.31e-03	-0.02	-6.61e-05	4.21e-03
95	298	960.00	-0.09	-1.36	-7.28e-04	-0.49	0.0	4.35e-03
95	298	1010.00	0.40	-1.71	-1.33e-03	-0.04	-5.39e-04	9.14e-03
95	298	1060.00	-0.35	-2.11	8.05e-04	-3.91e-03	-4.06e-05	4.29e-03
95	301	960.00	-0.11	-1.48	-9.52e-04	-0.52	0.0	3.97e-03
95	301	1010.00	0.45	-1.86	-1.41e-03	-0.05	-6.64e-04	8.30e-03
95	301	1060.00	-0.35	-2.30	1.06e-03	-2.72e-03	-5.34e-05	3.87e-03
95	307	960.00	-0.10	-1.72	-7.54e-04	-0.63	0.0	4.06e-03
95	307	1010.00	0.54	-2.20	-1.30e-03	-0.07	-5.43e-04	8.50e-03
95	307	1060.00	-0.35	-2.52	8.37e-04	-6.88e-03	-4.22e-05	3.98e-03
95	310	960.00	-0.10	-1.33	-7.59e-04	-0.47	0.0	4.03e-03
95	310	1010.00	0.38	-1.66	-1.29e-03	-0.04	-5.51e-04	8.44e-03
95	310	1060.00	-0.35	-2.06	8.44e-04	-3.33e-03	-4.25e-05	3.96e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-4.43	-69.70	-0.18	-9.29	-0.02	-4.76e-04
			5.19	66.38	0.23	9.22	0.09	0.02

Macro	Tipo	Angolo 1-Z (gradi)
96	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
96	28	600.00	-3.40	-3.79	-2.59e-03	-1.26	0.0	2.06e-03
96	28	650.00	-2.06	-5.12	-3.06e-03	0.45	-9.80e-04	3.45e-03
96	28	700.00	-1.77	-6.64	2.94e-03	-0.06	-1.48e-04	1.09e-03
96	43	600.00	-2.87	-3.18	-5.42e-04	-1.05	0.0	2.54e-03
96	43	650.00	-1.81	-4.24	-1.80e-03	0.42	2.09e-04	4.74e-03
96	43	700.00	-1.55	-5.49	5.21e-04	-0.05	-2.69e-05	1.88e-03
96	68	600.00	-2.99	-8.32	-4.07e-03	-2.99	0.0	4.80e-04
96	68	650.00	0.12	-11.28	-3.52e-03	0.09	-1.95e-03	1.61e-05
96	68	700.00	-1.59	-11.39	4.73e-03	-0.09	-2.37e-04	-5.97e-04
96	69	600.00	-1.35	-6.35	-1.54e-03	-2.33	0.0	-7.32e-05
96	69	650.00	0.94	-8.54	-1.33e-03	-0.06	-7.00e-04	-5.63e-04
96	69	700.00	-0.84	-7.89	1.79e-03	-0.05	-8.95e-05	-5.12e-04
96	117	600.00	0.16	-34.93	0.07	-2.31	0.02	-8.87e-03
96	117	650.00	3.20	-47.34	3.72e-03	-2.05	0.03	-0.01
96	117	700.00	-1.05	-39.49	-0.06	-0.37	0.01	-0.01
96	120	600.00	-3.92	31.16	-0.08	1.05	-0.02	0.01
96	120	650.00	-5.77	42.37	-7.74e-03	2.59	-0.04	0.01
96	120	700.00	-1.07	32.75	0.07	0.30	-0.01	0.01
96	123	600.00	-3.11	-20.74	-0.12	-2.33	-0.03	0.02
96	123	650.00	-3.70	-28.01	-0.02	-1.15	-0.05	0.02
96	123	700.00	-1.12	-24.00	0.10	-0.16	-0.02	0.02
96	137	600.00	-1.40	-64.77	0.01	-7.07	5.81e-03	-5.52e-03
96	137	650.00	2.70	-87.96	-0.02	-7.39	0.01	-7.45e-03
96	137	700.00	-1.03	-72.20	-0.02	-0.71	3.18e-03	-7.66e-03
96	149	600.00	0.42	-39.20	0.08	-2.54	0.02	-0.01
96	149	650.00	3.77	-53.14	4.41e-03	-2.36	0.04	-0.01
96	149	700.00	-1.05	-44.16	-0.07	-0.42	0.01	-0.01
96	152	600.00	-4.18	35.44	-0.09	1.28	-0.02	0.01
96	152	650.00	-6.34	48.18	-8.43e-03	2.90	-0.04	0.02
96	152	700.00	-1.07	37.43	0.08	0.35	-0.01	0.01
96	155	600.00	-3.27	-23.22	-0.14	-2.56	-0.03	0.02
96	155	650.00	-4.00	-31.38	-0.02	-1.35	-0.06	0.03
96	155	700.00	-1.13	-26.72	0.11	-0.17	-0.02	0.02
96	169	600.00	-1.34	-73.02	0.01	-7.92	6.51e-03	-6.26e-03
96	169	650.00	3.21	-99.16	-0.02	-8.39	0.01	-8.45e-03
96	169	700.00	-1.02	-81.22	-0.02	-0.80	3.59e-03	-8.60e-03
96	181	600.00	0.44	-39.84	0.08	-2.64	0.02	-9.62e-03
96	181	650.00	3.81	-54.02	4.31e-03	-2.47	0.04	-0.01
96	181	700.00	-1.04	-44.87	-0.07	-0.43	0.01	-0.01
96	184	600.00	-4.20	36.08	-0.09	1.38	-0.02	0.01
96	184	650.00	-6.38	49.06	-8.33e-03	3.00	-0.04	0.01
96	184	700.00	-1.08	38.14	0.07	0.36	-0.01	0.01
96	187	600.00	-3.25	-23.85	-0.13	-2.63	-0.03	0.02
96	187	650.00	-3.94	-32.24	-0.02	-1.43	-0.05	0.03
96	187	700.00	-1.12	-27.41	0.11	-0.18	-0.02	0.02

96	201	600.00	-1.33	-74.80	0.01	-8.13	6.36e-03	-5.93e-03
96	201	650.00	3.26	-101.58	-0.02	-8.61	0.01	-8.06e-03
96	201	700.00	-1.02	-83.17	-0.02	-0.82	3.54e-03	-8.32e-03
96	213	600.00	0.87	-46.91	0.10	-3.05	0.03	-0.01
96	213	650.00	4.74	-63.62	5.36e-03	-3.01	0.04	-0.02
96	213	700.00	-1.04	-52.61	-0.08	-0.50	0.01	-0.02
96	216	600.00	-4.62	43.15	-0.10	1.79	-0.03	0.01
96	216	650.00	-7.31	58.66	-9.38e-03	3.54	-0.05	0.02
96	216	700.00	-1.08	45.87	0.09	0.43	-0.02	0.02
96	219	600.00	-3.47	-28.22	-0.16	-3.04	-0.04	0.02
96	219	650.00	-4.34	-38.16	-0.02	-1.80	-0.06	0.03
96	219	700.00	-1.13	-32.20	0.12	-0.21	-0.02	0.03
96	233	600.00	-1.23	-88.59	0.01	-9.56	7.41e-03	-6.98e-03
96	233	650.00	4.10	-120.33	-0.03	-10.30	0.01	-9.50e-03
96	233	700.00	-1.01	-98.26	-0.02	-0.97	4.15e-03	-9.72e-03
96	256	600.00	-2.41	-2.62	-1.80e-03	-0.87	0.0	1.41e-03
96	256	650.00	-1.50	-3.53	-2.12e-03	0.33	-6.86e-04	2.36e-03
96	256	700.00	-1.27	-4.60	2.04e-03	-0.04	-1.03e-04	7.41e-04
96	263	600.00	-2.05	-2.22	-4.35e-04	-0.73	0.0	1.73e-03
96	263	650.00	-1.34	-2.94	-1.28e-03	0.31	1.07e-04	3.22e-03
96	263	700.00	-1.13	-3.83	4.32e-04	-0.03	-2.22e-05	1.27e-03
96	273	600.00	-1.43	-4.72	-1.49e-03	-1.71	0.0	9.81e-05
96	273	650.00	0.23	-6.31	-1.32e-03	0.05	-6.85e-04	-1.84e-04
96	273	700.00	-0.87	-6.11	1.73e-03	-0.04	-8.65e-05	-3.23e-04
96	276	600.00	-2.13	-5.64	-2.79e-03	-2.03	0.0	3.59e-04
96	276	650.00	-0.05	-7.63	-2.42e-03	0.09	-1.33e-03	7.26e-05
96	276	700.00	-1.15	-7.77	3.24e-03	-0.06	-1.62e-04	-3.81e-04
96	298	600.00	-1.96	-1.99	-2.45e-03	-0.67	0.0	6.65e-04
96	298	650.00	-1.31	-2.63	-2.16e-03	0.27	-1.20e-03	8.22e-04
96	298	700.00	-1.09	-3.56	2.85e-03	-0.04	-1.42e-04	3.51e-05
96	305	600.00	-1.90	-1.93	-1.86e-03	-0.64	0.0	8.40e-04
96	305	650.00	-1.29	-2.54	-1.83e-03	0.27	-8.43e-04	1.26e-03
96	305	700.00	-1.07	-3.42	2.15e-03	-0.03	-1.08e-04	2.88e-04
96	306	600.00	-1.42	-1.93	-1.22e-03	-0.67	0.0	3.39e-04
96	306	650.00	-0.86	-2.51	-1.13e-03	0.21	-5.67e-04	3.97e-04
96	306	700.00	-0.87	-2.98	1.41e-03	-0.03	-7.05e-05	-4.68e-06
96	307	600.00	-1.88	-2.58	-2.33e-03	-0.89	0.0	5.67e-04
96	307	650.00	-1.01	-3.43	-2.06e-03	0.23	-1.13e-03	6.37e-04
96	307	700.00	-1.06	-4.15	2.71e-03	-0.04	-1.36e-04	-3.88e-05
96	309	600.00	-1.42	-1.24	-1.15e-03	-0.41	0.0	3.99e-04
96	309	650.00	-1.13	-1.56	-1.08e-03	0.25	-5.38e-04	5.43e-04
96	309	700.00	-0.87	-2.19	1.33e-03	-0.02	-6.65e-05	7.49e-05
96	310	600.00	-1.88	-1.88	-2.27e-03	-0.63	0.0	6.27e-04
96	310	650.00	-1.28	-2.48	-2.01e-03	0.27	-1.10e-03	7.82e-04
96	310	700.00	-1.06	-3.37	2.63e-03	-0.03	-1.32e-04	4.08e-05

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-7.31	-120.33	-0.16	-10.30	-0.06	-0.02
			4.74	58.66	0.12	3.54	0.04	0.03

Macro	Tipo	Angolo 1-Z (gradi)
97	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
97	4	250.00	-6.05	-3.88	-1.33e-03	-1.34	0.0	-3.81e-03
97	4	295.00	-4.96	-5.42	-1.37e-03	0.62	2.39e-04	-9.78e-03
97	4	340.00	-2.47	-7.13	1.38e-03	-0.19	-6.58e-05	-4.86e-03
97	28	250.00	-6.34	-4.11	3.06e-03	-1.36	0.0	-1.46e-03
97	28	295.00	-5.25	-5.68	2.42e-04	0.77	3.10e-03	-4.38e-03
97	28	340.00	-2.57	-7.35	-3.31e-03	-0.18	1.56e-04	-2.43e-03
97	68	250.00	-5.47	-9.14	2.48e-04	-2.56	0.0	-3.21e-03
97	68	295.00	-2.67	-12.60	-8.18e-04	1.14	1.31e-03	-8.44e-03
97	68	340.00	-2.26	-12.92	-3.53e-04	-0.03	1.57e-05	-4.27e-03
97	69	250.00	-2.42	-6.93	2.02e-04	-1.81	0.0	-1.49e-03
97	69	295.00	-0.37	-9.44	-3.28e-04	0.87	6.55e-04	-3.90e-03
97	69	340.00	-1.12	-8.89	-2.69e-04	0.07	1.21e-05	-1.97e-03
97	121	250.00	-1.51	-16.05	0.05	-0.22	9.19e-03	-0.03
97	121	295.00	-1.44	-23.33	-4.05e-03	1.31	0.02	-0.04
97	121	340.00	-1.23	-22.75	-0.04	-0.05	5.38e-03	-0.03
97	137	250.00	-3.15	-65.22	9.19e-03	2.12	2.45e-03	-0.01
97	137	295.00	-16.01	-89.54	-0.01	8.13	6.18e-03	-0.02

97	137	340.00	-1.46	-77.32	-9.48e-03	0.23	1.27e-03	-0.01
97	138	250.00	-2.79	51.91	6.42e-03	-3.87	1.35e-03	1.50e-03
97	138	295.00	14.52	71.38	0.01	-8.75	1.56e-03	7.42e-04
97	138	340.00	-1.31	59.26	-7.06e-03	-0.46	8.31e-04	2.13e-03
97	139	250.00	-4.17	-56.07	-6.22e-03	2.45	-1.35e-03	-4.61e-03
97	139	295.00	-20.53	-77.06	-0.01	9.61	-2.86e-04	-8.98e-03
97	139	340.00	-1.68	-66.87	6.82e-03	0.26	-8.20e-04	-6.31e-03
97	153	250.00	-1.26	-17.93	0.05	-0.16	0.01	-0.03
97	153	295.00	-1.28	-26.07	-4.58e-03	1.43	0.02	-0.05
97	153	340.00	-1.20	-25.28	-0.04	-0.04	6.02e-03	-0.04
97	169	250.00	-3.11	-73.51	0.01	2.48	2.74e-03	-0.01
97	169	295.00	-17.73	-100.92	-0.01	9.14	6.85e-03	-0.02
97	169	340.00	-1.45	-86.97	-0.01	0.27	1.42e-03	-0.02
97	170	250.00	-2.70	59.02	7.15e-03	-4.27	1.51e-03	1.90e-03
97	170	295.00	16.80	81.16	0.01	-9.93	1.65e-03	1.39e-03
97	170	340.00	-1.28	67.57	-7.88e-03	-0.51	9.30e-04	2.70e-03
97	171	250.00	-4.26	-63.19	-6.96e-03	2.85	-1.51e-03	-5.02e-03
97	171	295.00	-22.81	-86.84	-0.01	10.80	-3.72e-04	-9.63e-03
97	171	340.00	-1.70	-75.18	7.64e-03	0.31	-9.19e-04	-6.88e-03
97	185	250.00	-1.30	-18.63	0.05	-0.13	9.65e-03	-0.03
97	185	295.00	-1.56	-27.05	-5.47e-03	1.54	0.02	-0.04
97	185	340.00	-1.21	-26.11	-0.04	-0.04	5.71e-03	-0.04
97	201	250.00	-3.12	-75.34	9.44e-03	2.54	2.61e-03	-0.01
97	201	295.00	-18.19	-103.44	-0.01	9.36	6.65e-03	-0.02
97	201	340.00	-1.46	-89.13	-0.01	0.28	1.33e-03	-0.01
97	202	250.00	-2.70	60.75	6.83e-03	-4.31	1.41e-03	1.90e-03
97	202	295.00	17.18	83.52	0.01	-10.11	1.47e-03	1.44e-03
97	202	340.00	-1.28	69.58	-7.55e-03	-0.51	9.07e-04	2.78e-03
97	203	250.00	-4.26	-64.91	-6.63e-03	2.89	-1.41e-03	-5.02e-03
97	203	295.00	-23.19	-89.21	-0.01	10.97	-1.89e-04	-9.67e-03
97	203	340.00	-1.70	-77.18	7.31e-03	0.32	-8.96e-04	-6.96e-03
97	217	250.00	-0.95	-22.10	0.06	3.89e-03	0.01	-0.04
97	217	295.00	-1.53	-32.08	-6.31e-03	1.83	0.02	-0.05
97	217	340.00	-1.16	-30.70	-0.05	-0.03	6.61e-03	-0.04
97	233	250.00	-3.06	-89.20	0.01	3.16	3.05e-03	-0.01
97	233	295.00	-21.11	-122.49	-0.02	11.07	7.70e-03	-0.02
97	233	340.00	-1.45	-105.30	-0.01	0.35	1.53e-03	-0.02
97	234	250.00	-2.57	72.69	8.05e-03	-4.97	1.65e-03	2.53e-03
97	234	295.00	20.94	99.95	0.02	-12.07	1.57e-03	2.46e-03
97	234	340.00	-1.24	83.53	-8.76e-03	-0.59	1.07e-03	3.70e-03
97	235	250.00	-4.39	-76.86	-7.86e-03	3.55	-1.65e-03	-5.65e-03
97	235	295.00	-26.95	-105.63	-0.02	12.93	-2.90e-04	-0.01
97	235	340.00	-1.74	-91.13	8.52e-03	0.39	-1.06e-03	-7.88e-03
97	244	250.00	-4.27	-2.67	-8.81e-04	-0.93	0.0	-2.60e-03
97	244	295.00	-3.56	-3.71	-9.28e-04	0.45	1.86e-04	-6.68e-03
97	244	340.00	-1.77	-4.91	9.15e-04	-0.13	-4.36e-05	-3.32e-03
97	256	250.00	-4.47	-2.82	2.05e-03	-0.94	0.0	-1.03e-03
97	256	295.00	-3.76	-3.88	1.49e-04	0.55	2.09e-03	-3.07e-03
97	256	340.00	-1.83	-5.05	-2.21e-03	-0.12	1.04e-04	-1.70e-03
97	273	250.00	-2.55	-5.07	1.54e-04	-1.38	0.0	-1.34e-03
97	273	295.00	-1.13	-6.88	-3.06e-04	0.71	5.74e-04	-3.51e-03
97	273	340.00	-1.17	-6.75	-1.97e-04	0.02	8.95e-06	-1.77e-03
97	276	250.00	-3.89	-6.18	1.72e-04	-1.74	0.0	-2.20e-03
97	276	295.00	-2.03	-8.50	-5.58e-04	0.80	9.00e-04	-5.78e-03
97	276	340.00	-1.63	-8.76	-2.40e-04	-0.03	1.07e-05	-2.93e-03
97	298	250.00	-3.64	-2.24	1.05e-04	-0.76	0.0	-1.67e-03
97	298	295.00	-3.10	-3.07	-4.55e-04	0.44	6.87e-04	-4.43e-03
97	298	340.00	-1.55	-4.09	-1.31e-04	-0.10	6.00e-06	-2.25e-03
97	302	250.00	-2.51	-1.13	-2.68e-04	-0.43	0.0	-1.04e-03
97	302	295.00	-2.43	-1.45	-3.33e-04	0.35	1.39e-04	-2.69e-03
97	302	340.00	-1.16	-2.07	2.99e-04	-0.07	-1.40e-05	-1.34e-03
97	303	250.00	-3.46	-2.07	-2.27e-04	-0.71	0.0	-1.73e-03
97	303	295.00	-2.98	-2.82	-5.40e-04	0.42	4.28e-04	-4.52e-03
97	303	340.00	-1.48	-3.79	2.28e-04	-0.10	-1.10e-05	-2.27e-03
97	307	250.00	-3.48	-2.87	1.18e-04	-0.90	0.0	-1.65e-03
97	307	295.00	-2.74	-3.92	-4.39e-04	0.50	6.84e-04	-4.36e-03
97	307	340.00	-1.49	-4.74	-1.49e-04	-0.08	6.79e-06	-2.21e-03
97	309	250.00	-2.53	-1.15	5.73e-05	-0.43	0.0	-8.68e-04
97	309	295.00	-2.45	-1.47	-2.13e-04	0.36	3.51e-04	-2.29e-03
97	309	340.00	-1.17	-2.08	-4.81e-05	-0.07	2.42e-06	-1.16e-03
97	310	250.00	-3.48	-2.08	9.83e-05	-0.71	0.0	-1.56e-03
97	310	295.00	-3.00	-2.84	-4.20e-04	0.43	6.39e-04	-4.12e-03
97	310	340.00	-1.49	-3.80	-1.19e-04	-0.10	5.49e-06	-2.09e-03

M_S			N memb.	V memb.	V orto	M memb.	M orto	T

			-26.95	-122.49	-0.05	-12.07	-1.65e-03	-0.05
			20.94	99.95	0.06	12.93	0.02	3.70e-03

Macro	Tipo	Angolo 1-Z (gradi)
98	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
98	4	250.00	-36.77	9.29	-0.81	15.86	0.0	0.06
98	4	295.00	-36.77	9.29	-0.81	20.05	-0.36	-0.03
98	4	340.00	-32.13	6.52	0.84	1.20	-0.04	-0.14
98	45	250.00	-10.73	-2.34	-0.22	6.42	0.0	0.02
98	45	295.00	-10.73	-2.34	-0.22	5.37	-0.10	-7.39e-03
98	45	340.00	-8.32	-4.22	0.23	0.14	-0.01	-0.04
98	52	250.00	-37.08	8.45	-0.80	16.67	0.0	0.06
98	52	295.00	-37.08	8.45	-0.80	20.47	-0.36	-0.02
98	52	340.00	-32.19	5.46	0.83	1.41	-0.04	-0.13
98	76	250.00	-36.51	7.66	-0.81	16.31	0.0	0.05
98	76	295.00	-36.51	7.66	-0.81	19.76	-0.37	-0.03
98	76	340.00	-31.78	4.54	0.84	0.98	-0.04	-0.14
98	125	250.00	-20.29	50.79	-0.28	8.04	0.03	0.05
98	125	295.00	-20.29	50.79	-0.28	9.93	-0.16	9.49e-03
98	125	340.00	-40.65	58.59	0.37	24.74	-7.41e-03	-0.02
98	128	250.00	-18.87	-42.40	-0.58	9.28	-0.03	0.01
98	128	295.00	-18.87	-42.40	-0.58	11.17	-0.23	-0.04
98	128	340.00	6.88	-53.45	0.51	-23.62	-0.04	-0.12
98	132	250.00	-11.69	-12.28	-0.65	-2.59	-0.05	-0.06
98	132	295.00	-11.69	-12.28	-0.65	-0.70	-0.25	-0.11
98	132	340.00	-7.27	-18.70	0.59	-11.65	-0.05	-0.22
98	157	250.00	-20.39	56.60	-0.26	8.00	0.04	0.05
98	157	295.00	-20.39	56.60	-0.26	9.89	-0.15	0.01
98	157	340.00	-43.61	65.57	0.37	27.77	-5.57e-03	-0.01
98	160	250.00	-18.77	-48.20	-0.59	9.31	-0.04	7.58e-03
98	160	295.00	-18.77	-48.20	-0.59	11.20	-0.23	-0.04
98	160	340.00	9.85	-60.43	0.52	-26.64	-0.04	-0.13
98	164	250.00	-10.63	-14.30	-0.67	-4.10	-0.06	-0.07
98	164	295.00	-10.63	-14.30	-0.67	-2.22	-0.25	-0.12
98	164	340.00	-6.06	-21.31	0.61	-13.21	-0.05	-0.24
98	189	250.00	-20.40	55.88	-0.26	8.35	0.04	0.05
98	189	295.00	-20.40	55.88	-0.26	10.24	-0.15	0.01
98	189	340.00	-43.28	64.69	0.37	27.51	-5.65e-03	-0.01
98	192	250.00	-18.76	-47.48	-0.59	8.97	-0.04	6.50e-03
98	192	295.00	-18.76	-47.48	-0.59	10.86	-0.23	-0.05
98	192	340.00	9.51	-59.55	0.52	-26.38	-0.04	-0.13
98	196	250.00	-10.27	-13.95	-0.68	-4.68	-0.06	-0.07
98	196	295.00	-10.27	-13.95	-0.68	-2.79	-0.25	-0.12
98	196	340.00	-6.04	-20.83	0.61	-13.35	-0.05	-0.24
98	221	250.00	-20.61	64.35	-0.23	8.45	0.05	0.06
98	221	295.00	-20.61	64.35	-0.23	10.34	-0.15	0.02
98	221	340.00	-47.63	74.87	0.35	32.00	-2.79e-03	-1.46e-04
98	224	250.00	-18.55	-55.95	-0.62	8.86	-0.05	1.86e-03
98	224	295.00	-18.55	-55.95	-0.62	10.75	-0.24	-0.05
98	224	340.00	13.87	-69.73	0.54	-30.87	-0.04	-0.14
98	228	250.00	-8.33	-17.04	-0.73	-7.49	-0.07	-0.09
98	228	295.00	-8.33	-17.04	-0.73	-5.60	-0.27	-0.14
98	228	340.00	-4.04	-24.79	0.64	-15.98	-0.05	-0.28
98	244	250.00	-25.45	6.38	-0.55	10.94	0.0	0.04
98	244	295.00	-25.45	6.38	-0.55	13.82	-0.25	-0.02
98	244	340.00	-22.17	4.46	0.58	0.84	-0.03	-0.09
98	261	250.00	-11.78	-0.60	-0.24	6.24	0.0	0.02
98	261	295.00	-11.78	-0.60	-0.24	5.97	-0.11	-8.51e-03
98	261	340.00	-9.42	-2.24	0.25	0.26	-0.01	-0.04
98	268	250.00	-25.67	5.82	-0.55	11.48	0.0	0.04
98	268	295.00	-25.67	5.82	-0.55	14.10	-0.25	-0.02
98	268	340.00	-22.21	3.76	0.57	0.97	-0.03	-0.09
98	280	250.00	-25.28	5.29	-0.56	11.24	0.0	0.04
98	280	295.00	-25.28	5.29	-0.56	13.62	-0.25	-0.02
98	280	340.00	-21.93	3.14	0.58	0.69	-0.03	-0.09
98	298	250.00	-20.85	4.49	-0.46	9.27	0.0	0.03
98	298	295.00	-20.85	4.49	-0.46	11.29	-0.21	-0.02
98	298	340.00	-18.04	2.75	0.48	0.59	-0.02	-0.08
98	303	250.00	-19.60	4.50	-0.43	8.53	0.0	0.03

98	303	295.00	-19.60	4.50	-0.43	10.56	-0.19	-0.02
98	303	340.00	-16.93	2.94	0.44	0.58	-0.02	-0.07
98	304	250.00	-11.90	1.84	-0.24	5.24	0.0	0.02
98	304	295.00	-11.90	1.84	-0.24	6.06	-0.11	-9.03e-03
98	304	340.00	-9.82	0.74	0.25	0.40	-0.01	-0.04
98	309	250.00	-11.93	2.45	-0.24	4.98	0.0	0.02
98	309	295.00	-11.93	2.45	-0.24	6.09	-0.11	-9.16e-03
98	309	340.00	-9.91	1.48	0.25	0.44	-0.01	-0.04
98	310	250.00	-19.58	4.20	-0.43	8.66	0.0	0.03
98	310	295.00	-19.58	4.20	-0.43	10.55	-0.19	-0.02
98	310	340.00	-16.88	2.57	0.44	0.56	-0.02	-0.07

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-47.63	-69.73	-0.81	-30.87	-0.37	-0.28
	13.87	74.87	0.84	32.00	0.05	0.06

Macro	Tipo	Angolo 1-Z (gradi)
99	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
99	4	600.00	-24.26	11.82	-0.78	2.79	0.0	0.09
99	4	650.00	-24.26	11.82	-0.78	8.69	-0.39	0.02
99	4	700.00	-26.12	6.82	0.86	-5.60	-0.05	-0.11
99	45	600.00	-7.72	0.52	-0.25	3.48	0.0	0.03
99	45	650.00	-7.72	0.52	-0.25	3.74	-0.13	0.01
99	45	700.00	-8.07	-0.86	0.28	-0.64	-0.01	-0.03
99	76	600.00	-24.07	10.71	-0.79	3.79	0.0	0.09
99	76	650.00	-24.07	10.71	-0.79	9.14	-0.40	0.02
99	76	700.00	-25.76	5.54	0.87	-5.29	-0.05	-0.11
99	125	600.00	-17.82	44.73	-0.16	-15.22	0.06	0.04
99	125	650.00	-17.82	44.73	-0.16	-12.33	-0.14	0.03
99	125	700.00	-36.38	47.71	0.35	7.36	6.76e-03	-2.85e-04
99	128	600.00	-7.81	-33.14	-0.67	18.80	-0.06	0.05
99	128	650.00	-7.81	-33.14	-0.67	21.70	-0.27	1.71e-03
99	128	700.00	9.07	-41.53	0.56	-13.28	-0.06	-0.12
99	132	600.00	-12.28	-9.80	-0.81	11.15	-0.10	0.01
99	132	650.00	-12.28	-9.80	-0.81	14.04	-0.31	-0.04
99	132	700.00	-5.04	-14.51	0.70	-6.64	-0.08	-0.16
99	157	600.00	-18.45	49.58	-0.13	-17.35	0.07	0.04
99	157	650.00	-18.45	49.58	-0.13	-14.46	-0.14	0.03
99	157	700.00	-39.22	53.27	0.34	8.65	0.01	7.07e-03
99	160	600.00	-7.19	-37.99	-0.70	20.93	-0.07	0.05
99	160	650.00	-7.19	-37.99	-0.70	23.83	-0.28	9.37e-05
99	160	700.00	11.90	-47.09	0.58	-14.56	-0.06	-0.12
99	164	600.00	-12.23	-11.73	-0.86	12.34	-0.11	5.00e-03
99	164	650.00	-12.23	-11.73	-0.86	15.24	-0.32	-0.05
99	164	700.00	-3.98	-16.68	0.73	-7.08	-0.08	-0.17
99	189	600.00	-18.35	49.00	-0.13	-17.16	0.07	0.04
99	189	650.00	-18.35	49.00	-0.13	-14.27	-0.14	0.03
99	189	700.00	-38.87	52.60	0.34	8.47	0.01	7.24e-03
99	192	600.00	-7.29	-37.41	-0.71	20.75	-0.07	0.05
99	192	650.00	-7.29	-37.41	-0.71	23.64	-0.28	-3.29e-04
99	192	700.00	11.55	-46.42	0.58	-14.38	-0.06	-0.12
99	196	600.00	-12.33	-11.51	-0.87	12.45	-0.11	2.97e-03
99	196	650.00	-12.33	-11.51	-0.87	15.34	-0.32	-0.05
99	196	700.00	-4.14	-16.39	0.74	-6.93	-0.09	-0.18
99	221	600.00	-19.24	56.11	-0.08	-20.32	0.08	0.04
99	221	650.00	-19.24	56.11	-0.08	-17.42	-0.12	0.03
99	221	700.00	-43.00	60.74	0.32	10.33	0.02	0.02
99	224	600.00	-6.39	-44.52	-0.76	23.90	-0.08	0.05
99	224	650.00	-6.39	-44.52	-0.76	26.80	-0.29	-3.08e-03
99	224	700.00	15.69	-54.56	0.60	-16.25	-0.07	-0.13
99	228	600.00	-12.31	-14.55	-0.97	14.47	-0.14	-6.56e-03
99	228	650.00	-12.31	-14.55	-0.97	17.37	-0.35	-0.06
99	228	700.00	-2.49	-19.78	0.80	-7.57	-0.10	-0.20
99	244	600.00	-16.93	8.17	-0.54	1.97	0.0	0.06
99	244	650.00	-16.93	8.17	-0.54	6.05	-0.27	0.02
99	244	700.00	-18.23	4.77	0.59	-3.83	-0.03	-0.08
99	261	600.00	-8.58	1.75	-0.27	2.86	0.0	0.03
99	261	650.00	-8.58	1.75	-0.27	3.73	-0.13	0.01
99	261	700.00	-9.13	0.39	0.30	-0.96	-0.02	-0.04

99	280	600.00	-16.80	7.42	-0.55	2.64	0.0	0.06
99	280	650.00	-16.80	7.42	-0.55	6.35	-0.27	0.02
99	280	700.00	-17.99	3.92	0.60	-3.62	-0.03	-0.08
99	298	600.00	-13.46	6.16	-0.44	1.86	0.0	0.05
99	298	650.00	-13.46	6.16	-0.44	4.93	-0.22	0.01
99	298	700.00	-14.30	3.18	0.49	-3.23	-0.03	-0.06
99	301	600.00	-13.39	5.94	-0.43	1.94	0.0	0.05
99	301	650.00	-13.39	5.94	-0.43	4.90	-0.21	0.01
99	301	700.00	-14.38	3.36	0.47	-2.83	-0.03	-0.06
99	304	600.00	-8.90	3.24	-0.26	1.69	0.0	0.03
99	304	650.00	-8.90	3.24	-0.26	3.31	-0.13	7.99e-03
99	304	700.00	-9.65	2.11	0.29	-1.26	-0.02	-0.04
99	309	600.00	-8.98	3.62	-0.26	1.40	0.0	0.03
99	309	650.00	-8.98	3.62	-0.26	3.20	-0.13	7.37e-03
99	309	700.00	-9.78	2.54	0.29	-1.34	-0.02	-0.04
99	310	600.00	-12.82	5.79	-0.42	1.79	0.0	0.05
99	310	650.00	-12.82	5.79	-0.42	4.69	-0.21	0.01
99	310	700.00	-13.66	3.09	0.46	-2.96	-0.02	-0.06

M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-43.00	-54.56	-0.97	-20.32	-0.40	-0.20
			15.69	60.74	0.87	26.80	0.08	0.09

34 VERIFICHE S.L. ELEMENTI IN LEGNO

34.1 LEGENDA TABELLA VERIFICHE S.L. ELEMENTI IN LEGNO

Il programma consente la verifica dei seguenti tipi di elementi:

1. Aste 2. Travi 3. Pilastri

L'esito delle verifiche è espresso con un codice come di seguito indicato:

ok: verifica con esito positivo

NV: verifica con esito negativo

Le verifiche sono condotte in ottemperanza alle NTC 17 Gennaio 2018, oppure seguendo le indicazioni analitiche riportate nella norma tecnica UNI EN 1995-1-1:2005 "Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici" ; in particolare le verifiche effettuate sono riconducibili ai punti:

NTC 2018

- 4.4.8 Stati limite ultimi
- 4.4.8.1.7 Tensoflessione
- 4.4.8.1.8 Pressoflessione
- 4.4.8.1.11 Taglio e torsione
- 4.4.8.2.1 Elementi inflessi
- 4.4.8.2.2 Elementi compressi

EC5

- 2.2.2 Ultimate limit states
- 2.2.3 Serviceability limit states
- 2.4.1 Design value of material property
- 2.4.3 Design resistances
- 3.1.3 Strength modification (kmod)
- 3.1.4 Deformation modification (kdef)
- 6. Ultimate limit states
- 6.2 Design of cross-sections subjected to combined stresses
- 6.3 Stability of members

Simbologia adottata nelle tabelle di verifica

Le verifiche effettuate ai sensi delle NTC 2018 sono dettagliatamente riportate come da tabella seguente:

Elem.	Numero dell'elemento
Tipo	Codice di individuazione del tipo di elemento: Trave **(T)**, Pilastro **(P)**, Asta **(A)**
Stato	Codice della verifica: **ok** verificato, **NV** non verificato
Note	Numero della sezione (s) e del materiale (m) dell'archivio
Ver N+/M	Verifica come da formule 4.4.6a e 4.4.6b per tensoflessione, con i valori di km definiti nel par. 4.4.8.1.6
Ver N-/M	Verifica come da formule 4.4.7a e 4.4.7b per pressoflessione, con i valori di km definiti nel par. 4.4.8.1.6
Ver V/T	Verifica come da formula 4.4.10 (taglio torsione) con interazione ottenuta per quadratura del termine di taglio
Ver N(s)	Verifica instabilità a compressione come da par. 4.4.8.2.2
Kcy(z)	Fattore di instabilità Kcrit,c utilizzato nella formula 4.4.13, in funzione della snellezza relativa
Ver M(s)	Verifica instabilità laterale come da par. 4.4.8.2.1, effettuata in entrambi i piani principali y e z
Kcrit (y)/(z)	Fattore di instabilità laterale utilizzato nella formula 4.4.11 rispettivamente per la flessione y e z
w,net R	Massima deformazione in combinazione rara (F frequente, P quasi permanente)
w,net Ri	Massima deformazione in combinazione rara (F frequente, P quasi permanente) valutata a tempo infinito
kdef	Fattore di deformazione dell' elemento
Rif. cmb	Numero della combinazione in cui si è attinto il valore riportato per le verifiche

Le verifiche effettuate ai sensi dell'EC5 sono dettagliatamente riportate come da tabella seguente:

Elem.	Numero dell'elemento
Tipo	Codice di individuazione del tipo di elemento: Trave **(T),** Pilastro **(P),** Asta **(A)**
Stato	Codice della verifica **ok** verificato, **NV** non verificato
Note	Numero della sezione (s) e del materiale (m) dell'archivio
Ver N+/M	Verifica come da formula 6.17 e 6.18 per tensoflessione
Ver N-/M	Verifica come da formula 6.19 e 6.20 per pressoflessione
Ver V/T	Verifica come da formula 6.13 e 6.14 (taglio torsione) con interazione ottenuta per quadratura del termine di taglio
Ver N(s)	Verifica come da formula 6.23 e 6.24 per pressoflessione di elementi con snellezza relativa in un piano maggiore di 0.3
Kcy (z)	Fattore di instabilità utilizzato nella formula 6.23 (6.24)
Ver M(s)	Verifica come da formula 6.35 (effettuata in entrambi i piani principali) per instabilità laterale
Kcrit (y) (z)	Fattore di instabilità laterale utilizzato nella formula 6.35 rispettivamente per la flessione y e z
w,net R	Massima deformazione in combinazione rara (F frequente, P quasi permanente)
w,net Ri	Massima deformazione in combinazione rara (F frequente, P quasi permanente) valutata a tempo infinito
kdef	Fattore di deformazione dell' elemento
Rif. cmb	Numero della combinazione in cui si è attinto il valore riportato per le verifiche

Si sottolinea che le cinque verifiche sono espresse dal rapporto tra domanda e capacità, affinché la verifica sia positiva il rapporto deve essere inferiore o uguale a 1. La capacità è affetta dal termine **kmod**, espressione della classe di servizio e della durata dei carichi (si considera a livello di combinazione il caso di carico di minor durata).

Le deformazioni dell' elemento espresse in rapporto ad un millesimo di lunghezza sono rappresentate dal valore istantaneo e dal valore a tempo infinito. Il valore della deformazione a tempo infinito per una combinazione di carichi è ottenuta sommando per ogni caso di carico sia il valore istantaneo che il valore ottenuto dall' aliquota quasi-permanente amplificata del fattore kdef (formula 2.2 e 2.3).

In termini analitici il contributo del caso di carico con coefficiente di combinazione ***Psi*** (diverso da 0) è:

Psi + kdef × Psi2

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

Test N°	Titolo
97	FATTORE DI STRUTTURA
98	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
99	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
101	VERIFICHE EC5
102	SNELLEZZE EC5

Elem.	Note	Pos. cm	Ver N+/M	Ver N-/M	Ver V/T	Rif. cmb	Ver N(s)	Kcy	Kcz	Ver M(s)	Kcrit(y)	Kcrit(z)	Rif. cmb
8 ok	T,s=2,m=78	0.0	6.25e-02	5.93e-02	0.1	213,216,100				2.20e-02	1.0	1.0	0,236
		50.6	5.36e-02	4.32e-02	1.55e-02	235,100,240				2.10e-02	1.0	1.0	0,236
9 ok	T,s=5,m=78	0.0	0.5	0.5	0.9	76,100,100				0.3	1.0	1.0	0,100
		145.0	1.01e-02	2.34e-03	0.2	234,223,100				6.55e-03	1.0	1.0	0,235
10 NV	T,s=5,m=78	0.0	0.5	0.4	1.3	99,51,99	0.4	0.9	0.6	0.2	1.0	1.0	51,99
		660.0	0.5	0.5	1.4	100,52,100	0.5	0.9	0.6	0.3	1.0	1.0	52,100
11 ok	T,s=5,m=78	0.0	9.79e-03	8.62e-03	0.1	99,51,99				4.89e-04	1.0	1.0	0,210
		145.0	0.5	0.4	0.8	99,51,99				0.2	1.0	1.0	0,99
12 NV	T,s=2,m=78	0.0	8.53e-04	0.0	1.46e-03	224,221,233	7.87e-04	1.0	0.9	7.87e-04	1.0	1.0	221,221
		220.0	0.6	0.7	1.4	28,100,99	0.7	1.0	0.9	0.5	1.0	1.0	100,99
13 ok	T,s=6,m=78	0.0	2.68e-03	4.44e-06	0.1	211,210,100	2.34e-03	1.0	0.9	2.34e-03	1.0	1.0	210,210
		220.0	0.2	0.1	0.3	99,221,99	0.1	1.0	0.9	2.49e-02	1.0	1.0	221,99
14 ok	T,s=2,m=78	0.0	8.65e-02	9.97e-02	3.80e-02	224,215,233				3.56e-02	1.0	1.0	0,235
		50.6	9.08e-02	8.02e-02	0.1	214,212,100				2.96e-02	1.0	1.0	0,235
15 ok	T,s=2,m=78	0.0	2.91e-03	6.10e-06	1.51e-03	219,218,218	3.19e-03	1.0	0.8	3.19e-03	1.0	1.0	218,218
		276.7	0.2	0.5	0.5	197,99,99	0.5	1.0	0.8	0.3	1.0	1.0	99,100
16 NV	T,s=2,m=78	0.0	8.28e-04	0.0	2.90e-03	218,219,227	1.75e-04	1.0	0.9	1.75e-04	1.0	1.0	219,219

		220.0	0.7	0.3	1.4	99,188,99	0.3	1.0	0.9	0.5	1.0	1.0	188,99
17 ok	T,s=2,m=78	0.0	8.36e-03	4.15e-05	6.72e-04	211,210,213	7.16e-03	1.0	0.9	7.16e-03	1.0	1.0	210,210
		220.0	0.4	0.2	0.4	100,240,99	0.2	1.0	0.9	0.1	1.0	1.0	240,99
18 ok	T,s=2,m=78	0.0	0.9	0.4	1.0	100,234,99	0.5	1.0	0.6	0.7	1.0	1.0	234,99
		326.5	2.79e-03	3.88e-06	4.57e-03	233,236,216	3.16e-03	1.0	0.6	3.16e-03	1.0	1.0	236,236
19 NV	T,s=2,m=78	0.0	0.9	0.5	2.1	100,226,99	0.5	1.0	0.9	0.7	1.0	1.0	226,99
		224.3	8.33e-04	0.0	6.41e-03	237,240,236	4.36e-04	1.0	0.9	4.36e-04	1.0	1.0	240,240
20 ok	T,s=2,m=78	0.0	4.35e-02	3.60e-02	4.16e-02	100,35,100				7.27e-03	1.0	1.0	0,236
		50.6	7.29e-02	7.08e-02	1.02e-02	215,211,212				7.83e-03	1.0	1.0	0,236
21 ok	T,s=2,m=78	0.0	7.30e-02	7.23e-02	3.39e-02	100,215,100				5.62e-03	1.0	1.0	0,235
		50.6	9.45e-02	9.40e-02	8.04e-03	100,215,214				8.38e-03	1.0	1.0	0,100
22 ok	T,s=2,m=78	0.0	9.48e-02	9.40e-02	1.87e-02	100,215,215				1.90e-02	1.0	1.0	0,235
		50.6	9.81e-02	9.96e-02	1.91e-02	100,215,214				2.14e-02	1.0	1.0	0,235
23 ok	T,s=5,m=78	0.0	0.1	0.3	0.2	216,105,105				7.64e-02	1.0	1.0	0,107
		145.0	8.74e-03	6.04e-03	5.02e-02	211,107,105				4.87e-03	1.0	1.0	0,210
24 ok	T,s=5,m=78	0.0	8.83e-02	0.2	0.3	225,105,105	0.2	0.9	0.6	5.94e-02	1.0	1.0	105,105
		660.0	0.1	0.3	0.4	216,105,107	0.3	0.9	0.6	7.67e-02	1.0	1.0	107,107
25 ok	T,s=5,m=78	0.0	4.02e-03	5.12e-03	3.32e-02	215,105,105				7.77e-04	1.0	1.0	0,210
		145.0	0.2	0.2	0.2	84,105,105				5.88e-02	1.0	1.0	0,105
26 ok	T,s=5,m=78	0.0	0.5	0.4	0.9	99,67,99				0.3	1.0	1.0	0,99
		145.0	3.65e-03	1.62e-03	0.2	215,239,99				1.87e-03	1.0	1.0	0,209
27 NV	T,s=5,m=78	0.0	0.5	0.5	1.4	99,51,99	0.5	0.9	0.6	0.3	1.0	1.0	51,99
		660.0	0.5	0.5	1.4	99,51,100	0.5	0.9	0.6	0.3	1.0	1.0	51,99
28 ok	T,s=2,m=78	0.0	7.52e-04	0.0	2.80e-04	219,218,217	6.51e-04	1.0	0.8	6.51e-04	1.0	1.0	218,218
		276.7	0.3	0.1	0.1	107,218,105	0.1	1.0	0.8	7.77e-02	1.0	1.0	218,105
29 ok	T,s=2,m=78	0.0	8.30e-04	0.0	5.09e-04	240,237,240	8.77e-04	1.0	0.9	8.77e-04	1.0	1.0	237,237
		220.0	0.1	0.3	0.4	240,107,105	0.3	1.0	0.9	0.1	1.0	1.0	107,107
30 ok	T,s=2,m=78	0.0	3.74e-03	6.80e-06	2.68e-05	226,227,221	2.90e-03	1.0	0.9	2.90e-03	1.0	1.0	227,227
		220.0	0.2	5.99e-02	9.78e-02	107,227,105	6.25e-02	1.0	0.9	3.24e-02	1.0	1.0	227,105
31 ok	T,s=2,m=78	0.0	0.1	0.4	0.3	221,107,105	0.4	1.0	0.6	0.2	1.0	1.0	107,107
		326.5	5.38e-04	2.84e-06	2.58e-04	237,107,216	2.70e-03	1.0	0.6	2.70e-03	1.0	1.0	107,107
32 ok	T,s=2,m=78	0.0	0.2	0.4	0.5	234,107,105	0.4	1.0	0.9	0.2	1.0	1.0	107,107
		224.3	1.02e-03	1.75e-06	1.32e-03	210,211,240	1.48e-03	1.0	0.9	1.48e-03	1.0	1.0	211,211
33 NV	T,s=2,m=78	0.0	0.7	0.5	1.3	99,11,99				0.5	1.0	1.0	0,99
		52.0	0.4	0.3	0.8	100,11,99				0.2	1.0	1.0	0,100
34 ok	T,s=2,m=78	0.0	0.4	0.4	0.7	100,28,100				0.2	1.0	1.0	0,100
		48.0	0.2	0.2	0.4	100,28,100				4.60e-02	1.0	1.0	0,100
35 ok	T,s=2,m=78	0.0	0.2	0.2	0.4	18,100,100				4.62e-02	1.0	1.0	0,100
		48.0	7.22e-02	9.77e-02	0.1	18,100,100				9.68e-03	1.0	1.0	0,100
36 ok	T,s=2,m=78	0.0	6.66e-02	9.77e-02	0.1	237,100,99				9.80e-03	1.0	1.0	0,100
		48.0	4.84e-02	3.76e-02	1.23e-02	221,100,99				2.58e-03	1.0	1.0	0,224
37 ok	T,s=2,m=78	0.0	4.74e-02	3.76e-02	2.89e-02	221,100,99				2.61e-03	1.0	1.0	0,216
		48.0	5.41e-02	2.99e-02	7.67e-03	221,224,100				3.17e-03	1.0	1.0	0,224
38 ok	T,s=2,m=78	0.0	6.35e-02	3.00e-02	2.67e-03	221,224,224				9.48e-03	1.0	1.0	0,224
		48.0	8.60e-02	4.49e-02	5.60e-02	221,28,99				9.43e-03	1.0	1.0	0,224
39 ok	T,s=2,m=78	0.0	8.45e-02	2.94e-02	5.82e-02	221,224,218				6.60e-03	1.0	1.0	0,224
		60.0	7.20e-02	5.39e-02	7.05e-02	227,211,219				7.18e-03	1.0	1.0	0,219
40 ok	T,s=2,m=78	0.0	7.22e-02	7.21e-02	1.81e-02	227,231,233				8.01e-03	1.0	1.0	0,219
		47.0	4.82e-02	4.70e-02	9.19e-03	100,231,236				6.94e-03	1.0	1.0	0,224
41 ok	T,s=2,m=78	0.0	0.1	0.2	6.91e-02	220,99,100				4.03e-02	1.0	1.0	0,99
		52.0	0.1	0.2	6.04e-04	220,99,237				2.88e-02	1.0	1.0	0,99
42 ok	T,s=2,m=78	0.0		0.2	0.3	0,99,100				3.10e-02	1.0	1.0	0,99
		48.0		7.12e-02	7.15e-02	0,99,100				8.32e-03	1.0	1.0	0,99
43 ok	T,s=2,m=78	0.0		7.12e-02	0.1	0,99,99				7.57e-03	1.0	1.0	0,99
		48.0		2.18e-02	8.30e-03	0,99,99				2.99e-03	1.0	1.0	0,99
44 ok	T,s=2,m=78	0.0		2.18e-02	4.67e-02	0,99,99				2.73e-03	1.0	1.0	0,99
		48.0		1.16e-02	3.92e-03	0,240,100				2.25e-03	1.0	1.0	0,99
45 ok	T,s=2,m=78	0.0		1.16e-02	1.52e-02	0,240,99				1.31e-03	1.0	1.0	0,27
		48.0		1.88e-02	2.11e-02	0,237,100				1.32e-03	1.0	1.0	0,99
46 ok	T,s=2,m=78	0.0	1.85e-02	1.88e-02	5.31e-03	240,237,240				1.07e-03	1.0	1.0	0,229
		48.0	2.23e-02	4.87e-02	6.13e-02	240,237,100				2.96e-03	1.0	1.0	0,237
47 ok	T,s=2,m=78	0.0	4.92e-02	3.04e-02	1.00e-02	237,218,218				2.27e-03	1.0	1.0	0,237
		60.0	6.78e-02	5.19e-02	6.92e-02	233,27,100				4.47e-03	1.0	1.0	0,233
48 ok	T,s=2,m=78	0.0	6.72e-02	6.35e-02	3.20e-02	233,239,100				4.71e-03	1.0	1.0	0,100
		47.0	5.67e-02	5.48e-02	6.36e-03	233,239,27				3.25e-03	1.0	1.0	0,100
49 ok	T,s=2,m=78	0.0	0.3		0.3	107,0,107				0.1	1.0	1.0	0,105
		52.0	0.2		0.2	105,0,107				4.43e-02	1.0	1.0	0,105
50 ok	T,s=2,m=78	0.0	0.2	0.2	0.2	105,107,107				4.43e-02	1.0	1.0	0,105
		48.0	0.1	0.1	8.23e-02	105,107,107				1.53e-02	1.0	1.0	0,105
51 ok	T,s=2,m=78	0.0	0.1	4.37e-02	9.81e-02	105,224,107				1.53e-02	1.0	1.0	0,105
		48.0	6.37e-02	1.87e-02	3.33e-02	105,238,107				3.94e-03	1.0	1.0	0,105
52 ok	T,s=2,m=78	0.0	6.28e-02	5.57e-02	4.11e-02	105,33,105				3.94e-03	1.0	1.0	0,105
		48.0	2.83e-02	2.47e-02	5.21e-03	105,33,105				7.97e-04	1.0	1.0	0,105
53 ok	T,s=2,m=78	0.0	2.83e-02	2.47e-02	1.52e-02	105,33,105				1.15e-03	1.0	1.0	0,240
		48.0	1.57e-02	1.48e-02	1.31e-03	237,240,221				1.32e-03	1.0	1.0	0,240

54 ok	T,s=2,m=78	0.0	1.63e-02	1.48e-02	5.69e-03	237,240,105	1.41e-03	1.0	1.0	0,240
		48.0	2.18e-02	1.53e-02	5.08e-03	237,240,107	1.41e-03	1.0	1.0	0,240
55 ok	T,s=2,m=78	0.0	2.19e-02	1.53e-02	4.79e-03	237,240,105	1.07e-03	1.0	1.0	0,240
		60.0	1.98e-02	6.50e-03	1.18e-02	107,183,107	8.73e-04	1.0	1.0	0,236
56 ok	T,s=2,m=78	0.0	2.02e-02	6.50e-03	1.95e-02	107,183,107	1.60e-03	1.0	1.0	0,216
		47.0	3.00e-03	2.55e-06	1.77e-03	213,216,237	1.60e-03	1.0	1.0	0,216
57 ok	T,s=5,m=78	0.0	1.04e-02	1.07e-02	0.2	99,209,99	4.93e-04	1.0	1.0	0,67
		145.0	0.5	0.5	0.8	99,51,99	0.3	1.0	1.0	0,99
58 ok	T,s=2,m=78	0.0	6.55e-02	5.76e-02	0.1	100,221,237	4.21e-03	1.0	1.0	0,99
		55.4	5.28e-02	3.41e-02	7.20e-02	224,232,237	2.71e-03	1.0	1.0	0,220
59 ok	T,s=2,m=78	0.0	4.67e-02	5.20e-02	2.95e-02	219,220,235	3.29e-03	1.0	1.0	0,220
		55.4	2.19e-02	3.28e-02	2.09e-02	237,240,226	2.16e-03	1.0	1.0	0,228
60 ok	T,s=2,m=78	0.0	2.13e-02	3.26e-02	9.27e-03	237,240,99	1.71e-03	1.0	1.0	0,232
		55.4	1.68e-02	2.36e-02	6.14e-03	237,240,229	1.28e-03	1.0	1.0	0,228
61 ok	T,s=2,m=78	0.0	2.37e-02	2.26e-02	7.31e-03	240,232,100	1.37e-03	1.0	1.0	0,213
		55.4	1.62e-02	1.54e-02	5.65e-03	240,232,225	1.35e-03	1.0	1.0	0,210
62 NV	T,s=2,m=78	0.0	0.5	0.3	1.5	99,216,100	0.2	1.0	1.0	0,99
		50.6	0.8	0.3	2.0	100,202,100	0.7	1.0	1.0	0,99
63 ok	T,s=2,m=78	0.0	0.2	0.3	0.6	215,99,99	7.72e-02	1.0	1.0	0,100
		50.6	0.3	0.5	0.9	215,99,99	0.2	1.0	1.0	0,99
64 ok	T,s=2,m=78	0.0	9.02e-02	0.1	0.2	215,100,99	2.22e-02	1.0	1.0	0,100
		50.6	0.2	0.3	0.4	215,99,99	7.71e-02	1.0	1.0	0,100
65 ok	T,s=2,m=78	0.0	5.17e-02	8.07e-02	2.45e-02	216,100,99	6.82e-03	1.0	1.0	0,100
		50.6	9.07e-02	0.1	0.1	215,100,99	2.20e-02	1.0	1.0	0,100
66 ok	T,s=2,m=78	0.0	4.53e-02	5.14e-02	2.98e-03	27,100,209	2.70e-03	1.0	1.0	0,100
		50.6	7.13e-02	8.07e-02	4.44e-02	27,100,99	6.57e-03	1.0	1.0	0,100
67 ok	T,s=2,m=78	0.0	0.1	0.1	3.00e-02	100,235,215	1.94e-02	1.0	1.0	0,100
		57.6	0.2	0.2	0.3	100,235,100	6.08e-02	1.0	1.0	0,100
68 ok	T,s=2,m=78	0.0	8.08e-02	3.32e-02	9.00e-03	100,178,214	6.17e-03	1.0	1.0	0,100
		57.6	0.1	4.45e-02	0.2	100,218,100	1.94e-02	1.0	1.0	0,100
69 ok	T,s=2,m=78	0.0	3.70e-02	0.2	1.14e-02	226,100,237	6.26e-02	1.0	1.0	0,100
		51.1	5.07e-02	0.3	0.2	226,99,99	9.44e-02	1.0	1.0	0,99
70 ok	T,s=2,m=78	0.0		0.3	4.74e-02	0,99,100	9.85e-02	1.0	1.0	0,99
		51.1		0.3	2.12e-02	0,99,234	9.08e-02	1.0	1.0	0,99
71 ok	T,s=2,m=78	0.0	4.42e-02	1.91e-02	1.03e-02	100,186,99	3.40e-03	1.0	1.0	0,234
		57.6	7.91e-02	3.31e-02	0.1	100,178,100	6.17e-03	1.0	1.0	0,100
72 ok	T,s=2,m=78	0.0	0.3	0.3	0.4	100,43,99	0.1	1.0	1.0	0,100
		55.4	0.2	0.1	0.2	100,44,99	3.78e-02	1.0	1.0	0,100
73 ok	T,s=2,m=78	0.0	7.89e-02	0.2	0.2	199,100,99	3.85e-02	1.0	1.0	0,100
		55.4	3.45e-02	0.1	5.96e-02	199,100,99	1.10e-02	1.0	1.0	0,100
74 ok	T,s=2,m=78	0.0	3.44e-02	0.1	6.18e-02	199,100,100	1.10e-02	1.0	1.0	0,100
		55.4	1.42e-02	5.21e-02	9.35e-03	199,100,100	4.12e-03	1.0	1.0	0,232
75 ok	T,s=2,m=78	0.0	1.89e-02	5.21e-02	2.78e-02	15,100,100	4.07e-03	1.0	1.0	0,220
		55.4	9.50e-03	2.88e-02	2.80e-03	15,240,228	2.73e-03	1.0	1.0	0,220
76 ok	T,s=2,m=78	0.0	0.2	7.25e-02	1.18e-02	99,240,218	2.67e-02	1.0	1.0	0,99
		59.1	0.2	7.45e-02	1.02e-02	99,240,219	2.60e-02	1.0	1.0	0,99
77 ok	T,s=2,m=78	0.0	0.1	0.2	0.1	219,99,99	2.86e-02	1.0	1.0	0,99
		59.1	7.76e-02	8.12e-02	3.34e-02	219,100,99	9.13e-03	1.0	1.0	0,100
78 ok	T,s=2,m=78	0.0	7.68e-02	8.12e-02	4.97e-02	219,100,99	1.06e-02	1.0	1.0	0,100
		59.1	3.51e-02	3.72e-02	1.06e-02	219,100,219	5.36e-03	1.0	1.0	0,100
79 ok	T,s=2,m=78	0.0	3.61e-02	3.72e-02	1.59e-02	219,100,99	4.61e-03	1.0	1.0	0,100
		59.1	1.57e-02	2.34e-02	4.00e-03	224,100,222	4.17e-03	1.0	1.0	0,218
80 ok	T,s=2,m=78	0.0	0.3	0.1	0.3	105,209,107	7.93e-02	1.0	1.0	0,105
		50.6	0.4	0.2	0.4	107,209,107	0.2	1.0	1.0	0,107
81 ok	T,s=2,m=78	0.0	0.2	7.04e-02	0.1	107,213,105	3.05e-02	1.0	1.0	0,107
		50.6	0.3	0.1	0.2	105,213,105	7.93e-02	1.0	1.0	0,105
82 ok	T,s=2,m=78	0.0	0.1	2.84e-02	5.89e-02	107,189,105	1.01e-02	1.0	1.0	0,107
		50.6	0.2	7.04e-02	0.1	107,213,105	3.05e-02	1.0	1.0	0,107
83 ok	T,s=2,m=78	0.0	5.91e-02	1.71e-02	1.68e-02	107,230,107	3.09e-03	1.0	1.0	0,107
		50.6	0.1	2.84e-02	4.35e-02	107,189,107	1.01e-02	1.0	1.0	0,107
84 ok	T,s=2,m=78	0.0	3.39e-02	1.17e-02	2.53e-03	107,226,105	1.80e-03	1.0	1.0	0,210
		50.6	5.78e-02	1.71e-02	1.68e-02	107,230,105	3.09e-03	1.0	1.0	0,107
85 ok	T,s=2,m=78	0.0	0.3	8.45e-02	0.1	107,178,105	0.1	1.0	1.0	0,107
		51.1	0.4	0.2	0.2	107,232,105	0.2	1.0	1.0	0,105
86 ok	T,s=2,m=78	0.0	0.3	6.65e-02	2.82e-02	107,196,105	7.57e-02	1.0	1.0	0,107
		51.1	0.3	8.15e-02	0.1	107,210,105	0.1	1.0	1.0	0,107
87 ok	T,s=2,m=78	0.0	0.2	3.65e-02	7.32e-02	107,182,107	2.72e-02	1.0	1.0	0,107
		57.6	0.3	6.65e-02	0.2	107,196,107	7.57e-02	1.0	1.0	0,107
88 ok	T,s=2,m=78	0.0	9.53e-02	3.19e-02	2.25e-02	107,178,107	8.31e-03	1.0	1.0	0,107
		57.6	0.2	3.85e-02	0.1	107,178,107	2.72e-02	1.0	1.0	0,107
89 ok	T,s=2,m=78	0.0	9.65e-02	0.2	8.58e-02	70,107,105	3.34e-02	1.0	1.0	0,107
		55.4	6.20e-02	0.1	4.59e-02	211,107,105	1.27e-02	1.0	1.0	0,107
90 ok	T,s=2,m=78	0.0	7.39e-02	0.1	4.21e-02	66,107,107	1.22e-02	1.0	1.0	0,107
		55.4	4.06e-02	6.05e-02	1.60e-02	66,107,107	7.51e-03	1.0	1.0	0,226
91 ok	T,s=2,m=78	0.0	3.91e-02	6.05e-02	2.00e-02	216,107,107	4.82e-03	1.0	1.0	0,226

		55.4	2.81e-02	3.09e-02	3.94e-03	224,107,107	4.59e-03	1.0	1.0	0,226
92 ok	T,s=2,m=78	0.0	3.02e-02	3.09e-02	9.41e-03	224,107,107	4.13e-03	1.0	1.0	0,210
		55.4	2.09e-02	1.86e-02	4.27e-04	216,240,219	4.14e-03	1.0	1.0	0,210
93 ok	T,s=2,m=78	0.0	0.3		0.1	107,0,105	7.77e-02	1.0	1.0	0,105
		59.1	0.2		6.30e-02	107,0,105	3.57e-02	1.0	1.0	0,107
94 ok	T,s=2,m=78	0.0	0.2	5.93e-02	7.17e-02	107,237,105	3.57e-02	1.0	1.0	0,107
		59.1	0.1	3.73e-02	3.48e-02	107,237,105	1.47e-02	1.0	1.0	0,107
95 ok	T,s=2,m=78	0.0	0.1	2.19e-02	4.49e-02	107,185,107	1.47e-02	1.0	1.0	0,107
		59.1	7.24e-02	1.12e-02	1.71e-02	107,185,107	4.67e-03	1.0	1.0	0,107
96 ok	T,s=2,m=78	0.0	7.18e-02	1.12e-02	1.79e-02	107,185,105	4.67e-03	1.0	1.0	0,107
		59.1	4.31e-02	9.81e-03	2.75e-03	107,190,105	1.58e-03	1.0	1.0	0,107
97 ok	T,s=2,m=78	0.0	4.03e-02	4.07e-02	3.88e-02	215,100,100	9.51e-03	1.0	1.0	0,234
		54.4	5.94e-02	5.65e-02	1.22e-02	212,224,234	1.01e-02	1.0	1.0	0,234
98 ok	T,s=2,m=78	0.0	3.33e-02	3.58e-02	8.16e-03	211,100,99	1.47e-03	1.0	1.0	0,100
		54.4	3.62e-02	4.07e-02	1.53e-02	52,100,100	1.84e-03	1.0	1.0	0,100
99 ok	T,s=2,m=78	0.0	8.50e-02	8.49e-02	0.1	224,212,215	2.10e-02	1.0	1.0	0,235
		51.1	3.91e-02	5.61e-02	0.2	220,100,215	2.34e-02	1.0	1.0	0,235
100 ok	T,s=2,m=78	0.0	5.75e-02	5.37e-02	4.43e-03	100,215,99	1.38e-02	1.0	1.0	0,235
		51.1	6.09e-02	6.15e-02	8.21e-03	100,215,100	1.43e-02	1.0	1.0	0,235
101 ok	T,s=2,m=78	0.0	5.55e-02	5.08e-02	8.41e-02	100,219,219	1.04e-02	1.0	1.0	0,219
		55.3	3.12e-02	2.48e-02	5.16e-02	218,219,219	8.41e-03	1.0	1.0	0,219
102 ok	T,s=2,m=78	0.0	3.02e-02	2.48e-02	5.11e-02	218,219,100	7.96e-03	1.0	1.0	0,219
		59.1	5.18e-02	4.54e-02	1.09e-02	100,28,218	7.73e-03	1.0	1.0	0,219
103 ok	T,s=2,m=78	0.0	5.11e-02	4.53e-02	3.27e-02	100,28,100	5.16e-03	1.0	1.0	0,219
		59.1	8.25e-02	7.48e-02	8.31e-03	100,28,219	8.29e-03	1.0	1.0	0,219
104 ok	T,s=2,m=78	0.0	8.45e-02	5.95e-02	2.14e-03	100,219,218	6.79e-03	1.0	1.0	0,100
		59.1	6.92e-02	4.82e-02	1.73e-02	100,219,100	4.37e-03	1.0	1.0	0,100
105 ok	T,s=2,m=78	0.0	7.38e-02	1.94e-02	2.15e-03	100,185,240	4.37e-03	1.0	1.0	0,100
		59.1	4.28e-02	8.87e-03	3.14e-02	100,185,100	1.29e-03	1.0	1.0	0,100
106 ok	T,s=2,m=78	0.0	4.09e-02	1.26e-02	2.06e-02	100,177,100	3.95e-03	1.0	1.0	0,218
		59.1	6.41e-02	6.68e-02	9.07e-02	236,230,100	5.60e-03	1.0	1.0	0,218
107 ok	T,s=2,m=78	0.0	6.66e-02	6.60e-02	1.24e-02	236,238,231	1.39e-02	1.0	1.0	0,218
		52.6	4.41e-02	3.51e-02	1.29e-02	227,226,231	1.31e-02	1.0	1.0	0,218
108 ok	T,s=2,m=78	0.0	4.18e-02	3.51e-02	7.80e-03	28,226,228	1.11e-02	1.0	1.0	0,218
		52.6	4.65e-02	5.88e-02	7.80e-03	231,228,228	1.14e-02	1.0	1.0	0,218
109 ok	T,s=2,m=78	0.0	3.25e-02	3.41e-02	7.20e-03	219,218,100	3.43e-03	1.0	1.0	0,218
		52.6	4.08e-02	3.92e-02	4.31e-03	219,218,230	3.69e-03	1.0	1.0	0,218
110 ok	T,s=2,m=78	0.0	2.58e-02	1.12e-02	1.70e-04	212,234,224	2.10e-03	1.0	1.0	0,209
		54.4	3.35e-02	1.16e-02	7.52e-03	107,234,105	2.05e-03	1.0	1.0	0,209
111 ok	T,s=2,m=78	0.0	2.59e-02	1.19e-02	3.51e-04	212,217,105	3.28e-03	1.0	1.0	0,214
		54.4	2.75e-02	1.12e-02	4.50e-03	212,234,107	3.25e-03	1.0	1.0	0,214
112 ok	T,s=2,m=78	0.0	2.52e-02	1.53e-02	6.33e-04	224,221,105	3.24e-03	1.0	1.0	0,214
		54.4	2.59e-02	1.19e-02	3.90e-03	212,217,107	3.23e-03	1.0	1.0	0,214
113 ok	T,s=2,m=78	0.0	2.33e-02	1.78e-02	7.42e-04	224,221,105	2.98e-03	1.0	1.0	0,214
		54.4	2.50e-02	1.53e-02	3.75e-03	224,221,107	2.98e-03	1.0	1.0	0,214
114 ok	T,s=2,m=78	0.0	1.92e-02	1.84e-02	9.13e-04	237,233,105	2.56e-03	1.0	1.0	0,210
		54.4	2.28e-02	1.78e-02	3.29e-03	224,221,107	2.58e-03	1.0	1.0	0,210
115 ok	T,s=2,m=78	0.0	1.27e-02	1.22e-02	1.49e-03	237,233,221	2.12e-03	1.0	1.0	0,210
		54.4	1.92e-02	1.84e-02	2.24e-03	237,233,105	2.15e-03	1.0	1.0	0,210
116 ok	T,s=2,m=78	0.0	1.01e-03	0.0	3.13e-03	211,210,107	6.28e-04	1.0	1.0	0,210
		54.4	1.27e-02	1.22e-02	2.09e-03	237,233,240	6.37e-04	1.0	1.0	0,210
117 ok	T,s=2,m=78	0.0	3.84e-02	2.88e-02	3.47e-03	212,59,97	2.12e-03	1.0	1.0	0,214
		54.4	5.16e-02	3.86e-02	2.44e-02	100,59,99	2.64e-03	1.0	1.0	0,100
118 ok	T,s=2,m=78	0.0	3.31e-02	2.40e-02	5.23e-03	212,232,99	3.94e-03	1.0	1.0	0,214
		54.4	3.97e-02	2.94e-02	2.01e-02	212,83,100	3.98e-03	1.0	1.0	0,214
119 ok	T,s=2,m=78	0.0	3.01e-02	2.39e-02	5.70e-03	212,240,99	3.63e-03	1.0	1.0	0,214
		54.4	3.31e-02	2.40e-02	1.95e-02	212,228,100	3.62e-03	1.0	1.0	0,214
120 ok	T,s=2,m=78	0.0	2.82e-02	2.66e-02	6.13e-03	224,240,99	3.15e-03	1.0	1.0	0,214
		54.4	2.98e-02	2.39e-02	1.89e-02	212,240,100	3.13e-03	1.0	1.0	0,214
121 ok	T,s=2,m=78	0.0	2.73e-02	2.77e-02	6.88e-03	237,240,99	2.54e-03	1.0	1.0	0,214
		54.4	2.80e-02	2.66e-02	1.80e-02	224,240,100	2.53e-03	1.0	1.0	0,214
122 ok	T,s=2,m=78	0.0	2.54e-02	2.20e-02	9.74e-03	237,240,209	2.19e-03	1.0	1.0	0,214
		54.4	2.72e-02	2.78e-02	1.51e-02	237,240,100	2.21e-03	1.0	1.0	0,214
123 ok	T,s=2,m=78	0.0	3.74e-03	2.84e-03	1.61e-02	215,234,237	5.71e-04	1.0	1.0	0,214
		54.4	2.44e-02	1.95e-02	1.43e-02	237,221,240	6.91e-04	1.0	1.0	0,213
124 ok	T,s=2,m=78	0.0	6.05e-02	6.14e-02	2.01e-02	100,215,100	9.54e-03	1.0	1.0	0,235
		51.1	4.34e-02	5.07e-02	9.81e-04	100,235,221	8.97e-03	1.0	1.0	0,235
125 ok	T,s=2,m=78	0.0	5.06e-02	5.06e-02	2.06e-02	215,235,100	4.42e-03	1.0	1.0	0,235
		51.1	4.35e-02	5.13e-02	2.04e-03	215,235,237	4.46e-03	1.0	1.0	0,235
126 ok	T,s=2,m=78	0.0	5.52e-02	2.92e-02	1.70e-02	235,234,100	3.78e-03	1.0	1.0	0,234
		51.1	5.40e-02	4.05e-02	1.37e-03	235,234,237	4.57e-03	1.0	1.0	0,234
127 ok	T,s=2,m=78	0.0	4.16e-02	5.01e-02	3.25e-02	234,235,235	3.26e-03	1.0	1.0	0,235
		71.1	1.08e-03	0.0	2.38e-02	234,235,234	7.68e-04	1.0	1.0	0,235
128 ok	T,s=2,m=78	0.0	2.86e-02	2.60e-02	5.59e-03	212,100,99	8.99e-04	1.0	1.0	0,240
		54.4	3.33e-02	3.58e-02	2.00e-02	211,100,100	1.34e-03	1.0	1.0	0,100

129 ok	T,s=2,m=78	0.0	2.94e-02	2.84e-02	6.17e-03	224,240,224	1.09e-03	1.0	1.0	0,240
		54.4	2.86e-02	2.36e-02	1.97e-02	212,228,100	7.93e-04	1.0	1.0	0,240
130 ok	T,s=2,m=78	0.0	3.30e-02	3.61e-02	1.04e-02	224,240,224	1.50e-03	1.0	1.0	0,240
		54.4	2.94e-02	2.84e-02	1.90e-02	224,240,100	1.01e-03	1.0	1.0	0,240
131 ok	T,s=2,m=78	0.0	3.64e-02	3.56e-02	1.20e-02	237,240,209	1.36e-03	1.0	1.0	0,240
		54.4	3.29e-02	3.61e-02	1.83e-02	224,240,100	1.40e-03	1.0	1.0	0,240
132 ok	T,s=2,m=78	0.0	8.42e-03	7.85e-03	2.31e-02	234,235,237	3.76e-04	1.0	1.0	0,233
		54.4	3.63e-02	3.56e-02	2.31e-02	240,237,240	1.57e-03	1.0	1.0	0,237
133 ok	T,s=2,m=78	0.0	4.96e-02	1.59e-02	3.36e-03	107,178,235	2.17e-03	1.0	1.0	0,107
		57.6	9.42e-02	3.19e-02	5.89e-02	107,178,107	8.31e-03	1.0	1.0	0,107
134 ok	T,s=2,m=78	0.0	2.35e-02	7.96e-03	6.62e-04	107,210,233	1.19e-03	1.0	1.0	0,234
		57.6	4.89e-02	1.59e-02	3.22e-02	107,178,107	2.17e-03	1.0	1.0	0,107
135 ok	T,s=2,m=78	0.0	8.40e-03	1.58e-03	2.89e-03	107,240,105	9.77e-04	1.0	1.0	0,236
		57.6	2.23e-02	3.24e-03	1.99e-02	107,180,107	9.79e-04	1.0	1.0	0,236
136 ok	T,s=2,m=78	0.0	1.74e-03	1.39e-06	5.16e-03	225,228,105	1.18e-03	1.0	1.0	0,228
		57.6	7.93e-03	3.59e-03	1.42e-02	107,67,107	1.18e-03	1.0	1.0	0,228
137 ok	T,s=2,m=78	0.0	4.65e-02	3.92e-02	1.44e-03	219,218,221	8.67e-03	1.0	1.0	0,218
		52.6	3.81e-02	2.96e-02	1.43e-03	219,218,224	8.25e-03	1.0	1.0	0,218
138 ok	T,s=2,m=78	0.0	3.25e-02	2.95e-02	1.11e-02	219,218,218	2.99e-03	1.0	1.0	0,218
		52.6	2.45e-03	4.73e-06	1.15e-02	219,218,219	2.18e-03	1.0	1.0	0,218
139 ok	T,s=2,m=78	0.0	4.22e-02		6.00e-03	107,0,105	1.58e-03	1.0	1.0	0,107
		59.1	3.21e-02		9.16e-04	107,0,221	8.82e-04	1.0	1.0	0,107
140 ok	T,s=2,m=78	0.0	3.12e-02		4.26e-03	107,0,107	8.82e-04	1.0	1.0	0,107
		52.6	2.32e-02		1.07e-03	107,0,230	4.69e-04	1.0	1.0	0,107
141 ok	T,s=2,m=78	0.0	2.21e-02	6.03e-03	3.38e-03	107,184,107	8.20e-04	1.0	1.0	0,219
		52.6	2.33e-02	8.68e-03	6.03e-04	218,219,218	8.92e-04	1.0	1.0	0,219
142 ok	T,s=2,m=78	0.0	2.48e-02	1.07e-02	2.16e-02	100,210,99	5.14e-04	1.0	1.0	0,100
		57.6	4.57e-02	1.83e-02	7.94e-02	100,210,100	1.90e-03	1.0	1.0	0,100
143 ok	T,s=2,m=78	0.0	1.06e-02	8.18e-03	2.89e-02	227,213,99	1.73e-03	1.0	1.0	0,226
		57.6	2.43e-02	1.53e-02	6.64e-02	100,213,100	1.73e-03	1.0	1.0	0,226
144 ok	T,s=2,m=78	0.0	2.89e-03	3.43e-04	3.39e-02	227,214,99	1.38e-03	1.0	1.0	0,226
		57.6	1.02e-02	8.23e-03	5.84e-02	100,213,100	1.38e-03	1.0	1.0	0,226
145 ok	T,s=2,m=78	0.0	2.28e-02	8.68e-03	3.58e-03	218,219,107	5.01e-04	1.0	1.0	0,231
		52.6	2.54e-02	1.65e-02	5.24e-04	218,219,221	5.81e-04	1.0	1.0	0,218
146 ok	T,s=2,m=78	0.0	2.54e-02	1.65e-02	3.32e-03	218,219,107	7.69e-04	1.0	1.0	0,231
		52.6	2.67e-02	2.26e-02	3.75e-04	218,219,105	8.78e-04	1.0	1.0	0,219
147 ok	T,s=2,m=78	0.0	2.66e-02	2.26e-02	2.52e-03	218,219,107	9.58e-04	1.0	1.0	0,219
		52.6	2.33e-02	2.24e-02	5.98e-04	218,219,105	9.48e-04	1.0	1.0	0,219
148 ok	T,s=2,m=78	0.0	2.30e-02	2.24e-02	2.43e-03	218,219,218	8.39e-04	1.0	1.0	0,219
		52.6	1.26e-02	1.30e-02	2.11e-03	218,219,219	5.53e-04	1.0	1.0	0,231
149 ok	T,s=2,m=78	0.0	1.22e-02	1.30e-02	2.79e-03	218,219,218	2.79e-04	1.0	1.0	0,219
		52.6	2.47e-04	0.0	3.32e-03	230,231,219	1.54e-04	1.0	1.0	0,231
150 ok	T,s=2,m=78	0.0	2.04e-02	1.86e-02	4.75e-03	224,240,107	3.45e-03	1.0	1.0	0,210
		55.4	1.35e-02	1.24e-02	3.15e-04	216,240,221	3.45e-03	1.0	1.0	0,210
151 ok	T,s=2,m=78	0.0	1.31e-02	1.24e-02	2.76e-03	216,240,107	3.02e-03	1.0	1.0	0,210
		55.4	7.71e-03	6.88e-03	6.94e-04	216,240,105	3.02e-03	1.0	1.0	0,210
152 ok	T,s=2,m=78	0.0	7.14e-03	6.88e-03	2.03e-03	237,240,105	2.30e-03	1.0	1.0	0,210
		55.4	4.48e-03	3.11e-03	1.20e-03	227,240,107	2.30e-03	1.0	1.0	0,210
153 ok	T,s=2,m=78	0.0	7.37e-03	3.11e-03	1.81e-03	211,240,105	5.64e-03	1.0	1.0	0,210
		55.4	6.62e-03	3.17e-05	1.44e-03	211,210,107	5.63e-03	1.0	1.0	0,210
154 ok	T,s=2,m=78	0.0	2.87e-02	2.88e-02	1.50e-02	224,240,100	2.44e-03	1.0	1.0	0,210
		55.4	1.76e-02	1.79e-02	2.91e-03	224,240,225	2.43e-03	1.0	1.0	0,210
155 ok	T,s=2,m=78	0.0	1.72e-02	1.79e-02	9.99e-03	224,240,100	2.25e-03	1.0	1.0	0,210
		55.4	1.01e-02	1.04e-02	3.43e-03	216,240,225	2.25e-03	1.0	1.0	0,210
156 ok	T,s=2,m=78	0.0	1.14e-02	1.04e-02	8.04e-03	216,240,100	3.32e-03	1.0	1.0	0,210
		55.4	6.05e-03	3.94e-03	4.17e-03	216,240,99	3.32e-03	1.0	1.0	0,210
157 ok	T,s=2,m=78	0.0	5.44e-03	3.95e-03	7.36e-03	216,240,99	2.72e-03	1.0	1.0	0,210
		55.4	3.08e-03	1.26e-04	4.76e-03	211,214,100	2.72e-03	1.0	1.0	0,210
158 ok	T,s=2,m=78	0.0	1.59e-02	1.62e-02	6.78e-03	236,240,100	1.07e-03	1.0	1.0	0,210
		55.4	1.09e-02	1.11e-02	5.39e-03	236,240,225	1.07e-03	1.0	1.0	0,210
159 ok	T,s=2,m=78	0.0	1.15e-02	1.05e-02	6.74e-03	240,232,100	9.72e-04	1.0	1.0	0,213
		55.4	6.55e-03	5.93e-03	5.27e-03	240,232,99	9.59e-04	1.0	1.0	0,213
160 ok	T,s=2,m=78	0.0	9.54e-03	4.89e-03	7.05e-03	224,234,100	4.31e-03	1.0	1.0	0,210
		55.4	6.21e-03	1.95e-03	4.92e-03	224,234,99	4.31e-03	1.0	1.0	0,210
161 ok	T,s=2,m=78	0.0	5.57e-03	1.96e-03	6.51e-03	224,234,99	3.54e-03	1.0	1.0	0,210
		55.4	4.26e-03	1.18e-04	5.32e-03	211,234,100	3.54e-03	1.0	1.0	0,210
162 ok	T,s=2,m=78	0.0	4.88e-02	4.31e-02	1.30e-02	100,28,99	9.44e-03	1.0	1.0	0,224
		58.1	5.73e-02	3.68e-02	6.66e-03	237,28,209	8.78e-03	1.0	1.0	0,224
163 ok	T,s=2,m=78	0.0	5.65e-02	3.95e-02	2.15e-02	227,211,231	5.55e-03	1.0	1.0	0,224
		48.9	3.30e-02	1.96e-02	9.06e-03	233,28,231	5.27e-03	1.0	1.0	0,224
164 ok	T,s=2,m=78	0.0	3.28e-02	1.89e-02	1.39e-02	233,27,100	4.34e-03	1.0	1.0	0,224
		53.5	3.05e-02	1.62e-02	3.41e-03	237,240,214	4.44e-03	1.0	1.0	0,224
165 ok	T,s=2,m=78	0.0	3.02e-02	1.61e-02	1.16e-02	237,240,100	3.59e-03	1.0	1.0	0,224
		53.5	3.70e-02	2.90e-02	1.00e-02	237,240,237	4.14e-03	1.0	1.0	0,224
166 ok	T,s=2,m=78	0.0	3.61e-02	2.87e-02	1.27e-02	237,240,233	3.17e-03	1.0	1.0	0,224

		53.5	3.65e-02	3.24e-02	1.28e-02	237,240,233	3.50e-03	1.0	1.0	0,224
167 ok	T,s=2,m=78	0.0	3.40e-02	3.20e-02	1.92e-02	221,224,237	1.83e-03	1.0	1.0	0,224
		53.5	9.58e-03	7.97e-03	1.92e-02	218,219,240	8.76e-04	1.0	1.0	0,224
168 ok	T,s=2,m=78	0.0	5.68e-02	5.49e-02	3.11e-02	233,239,100	3.16e-03	1.0	1.0	0,233
		58.1	5.73e-02	5.51e-02	2.02e-02	233,231,99	3.24e-03	1.0	1.0	0,233
169 ok	T,s=2,m=78	0.0	5.81e-02	4.52e-02	4.86e-02	233,100,100	3.24e-03	1.0	1.0	0,233
		48.9	4.12e-02	2.66e-02	6.91e-03	233,213,230	2.04e-03	1.0	1.0	0,234
170 ok	T,s=2,m=78	0.0	4.11e-02	2.25e-02	3.86e-02	233,100,100	1.52e-03	1.0	1.0	0,233
		53.5	3.18e-02	2.35e-02	1.02e-02	233,236,99	1.66e-03	1.0	1.0	0,240
171 ok	T,s=2,m=78	0.0	3.17e-02	2.35e-02	2.84e-02	233,236,100	1.77e-03	1.0	1.0	0,236
		53.5	3.17e-02	2.90e-02	1.64e-02	237,240,99	1.95e-03	1.0	1.0	0,240
172 ok	T,s=2,m=78	0.0	3.29e-02	2.90e-02	7.53e-03	233,240,100	3.18e-03	1.0	1.0	0,236
		53.5	2.56e-02	2.34e-02	5.67e-03	233,240,99	2.97e-03	1.0	1.0	0,236
173 ok	T,s=2,m=78	0.0	2.46e-02	2.34e-02	1.52e-02	237,240,233	1.06e-03	1.0	1.0	0,236
		53.5	4.06e-03	3.15e-03	1.45e-02	231,230,236	5.43e-04	1.0	1.0	0,236
174 ok	T,s=2,m=78	0.0	1.82e-03	1.38e-06	2.70e-02	221,224,218	1.17e-03	1.0	1.0	0,224
		55.3	4.35e-02	5.09e-02	3.71e-02	218,219,219	3.22e-03	1.0	1.0	0,219
175 ok	T,s=2,m=78	0.0	4.35e-02	5.09e-02	2.58e-04	218,219,99	3.26e-03	1.0	1.0	0,219
		55.3	3.46e-02	5.68e-02	1.84e-02	218,219,100	4.29e-03	1.0	1.0	0,219
176 ok	T,s=2,m=78	0.0	3.62e-02	5.68e-02	8.33e-04	218,219,219	5.39e-03	1.0	1.0	0,219
		55.3	4.81e-02	5.77e-02	2.05e-02	100,219,100	5.49e-03	1.0	1.0	0,219
177 ok	T,s=2,m=78	0.0	4.83e-02	5.77e-02	3.10e-03	100,219,219	6.74e-03	1.0	1.0	0,219
		55.3	5.52e-02	5.08e-02	9.53e-03	100,219,100	6.00e-03	1.0	1.0	0,219
178 ok	T,s=2,m=78	0.0	4.76e-02	5.86e-02	1.16e-02	231,228,240	9.77e-03	1.0	1.0	0,218
		52.6	4.11e-02	3.41e-02	1.12e-02	225,230,240	9.85e-03	1.0	1.0	0,218
179 ok	T,s=2,m=78	0.0	4.05e-02	3.41e-02	9.15e-03	225,230,226	7.65e-03	1.0	1.0	0,218
		52.6	3.25e-02	3.54e-02	9.15e-03	220,217,226	8.06e-03	1.0	1.0	0,218
180 ok	T,s=2,m=78	0.0	3.08e-02	3.54e-02	9.64e-03	229,217,226	5.92e-03	1.0	1.0	0,218
		52.6	4.83e-02	4.67e-02	9.75e-03	219,218,226	7.11e-03	1.0	1.0	0,218
181 ok	T,s=2,m=78	0.0	4.56e-02	4.67e-02	7.20e-03	219,218,226	5.00e-03	1.0	1.0	0,218
		52.6	4.75e-02	4.58e-02	7.20e-03	219,218,226	5.04e-03	1.0	1.0	0,218
182 ok	T,s=2,m=78	0.0	4.46e-02	4.58e-02	2.75e-02	219,218,218	3.01e-03	1.0	1.0	0,218
		52.6	1.27e-03	2.27e-04	2.67e-02	219,226,218	9.58e-04	1.0	1.0	0,218
183 ok	T,s=2,m=78	0.0	1.68e-02	2.33e-02	4.04e-03	224,100,99	3.63e-03	1.0	1.0	0,218
		59.1	1.39e-02	3.00e-02	1.04e-02	224,100,100	3.94e-03	1.0	1.0	0,218
184 ok	T,s=2,m=78	0.0	1.56e-02	3.00e-02	7.70e-03	224,100,28	3.69e-03	1.0	1.0	0,218
		52.6	1.10e-02	2.62e-02	5.09e-03	212,100,43	3.77e-03	1.0	1.0	0,218
185 ok	T,s=2,m=78	0.0	1.53e-02	2.62e-02	5.67e-03	240,100,100	3.24e-03	1.0	1.0	0,218
		52.6	1.54e-02	2.60e-02	4.84e-03	240,218,230	3.49e-03	1.0	1.0	0,218
186 ok	T,s=2,m=78	0.0	1.71e-02	2.60e-02	1.31e-02	236,218,100	2.86e-03	1.0	1.0	0,218
		52.6	1.81e-02	2.66e-02	4.52e-03	219,218,225	2.95e-03	1.0	1.0	0,218
187 ok	T,s=2,m=78	0.0	1.92e-02	2.66e-02	1.02e-02	230,218,100	1.78e-03	1.0	1.0	0,221
		52.6	3.19e-02	3.41e-02	4.93e-03	219,218,225	2.13e-03	1.0	1.0	0,221
188 ok	T,s=5,m=78	0.0	1.09e-02	2.34e-03	0.2	234,223,100	7.21e-03	1.0	1.0	0,235
		5.0	1.55e-02	1.14e-02	0.2	234,99,100	7.22e-03	1.0	1.0	0,235
189 ok	T,s=3,m=78	0.0	1.52e-02	3.18e-04	2.29e-04	210,235,212	1.18e-02	1.0	1.0	0,211
		45.0	1.86e-02	4.85e-03	2.15e-04	210,212,209	1.19e-02	1.0	1.0	0,211
190 ok	T,s=3,m=78	0.0	1.49e-02	4.81e-03	3.05e-04	214,212,209	8.94e-03	1.0	1.0	0,211
		45.0	1.24e-02	1.10e-03	2.37e-04	210,97,209	8.92e-03	1.0	1.0	0,211
191 ok	T,s=3,m=78	0.0	1.73e-02	9.76e-04	1.77e-04	210,225,212	1.18e-02	1.0	1.0	0,211
		45.0	2.00e-02	5.17e-03	2.36e-04	210,212,212	1.19e-02	1.0	1.0	0,211
192 ok	T,s=3,m=78	0.0	5.10e-03	5.08e-03	2.29e-04	209,212,212	1.16e-03	1.0	1.0	0,227
		45.0	1.65e-03	2.17e-04	2.17e-04	226,70,209	1.16e-03	1.0	1.0	0,227
193 ok	T,s=3,m=78	0.0	8.41e-03	4.00e-04	2.68e-03	210,211,212	6.49e-03	1.0	1.0	0,211
		45.0	2.08e-02	1.78e-02	2.47e-03	209,212,212	6.67e-03	1.0	1.0	0,211
194 ok	T,s=3,m=78	0.0	1.98e-02	1.39e-02	2.41e-03	212,209,212	2.19e-03	1.0	1.0	0,209
		45.0	3.53e-02	2.75e-02	2.22e-03	212,209,212	2.73e-03	1.0	1.0	0,209
195 ok	T,s=3,m=78	0.0	3.41e-02	2.75e-02	5.92e-03	212,209,212	1.49e-03	1.0	1.0	0,209
		45.0	6.63e-02	5.93e-02	5.61e-03	212,209,212	3.39e-03	1.0	1.0	0,209
196 ok	T,s=3,m=78	0.0	7.76e-02	5.94e-02	1.13e-02	212,209,209	1.38e-02	1.0	1.0	0,209
		45.0	0.1	8.73e-02	1.17e-02	212,209,209	1.86e-02	1.0	1.0	0,209
197 ok	T,s=3,m=78	0.0	9.87e-02	9.70e-02	1.22e-02	212,209,212	8.99e-03	1.0	1.0	0,209
		45.0	5.38e-02	5.61e-02	1.18e-02	212,209,212	4.47e-03	1.0	1.0	0,209
198 ok	T,s=3,m=78	0.0	5.90e-02	5.61e-02	5.75e-03	212,209,212	8.75e-03	1.0	1.0	0,209
		45.0	3.34e-02	3.20e-02	5.45e-03	212,209,212	6.72e-03	1.0	1.0	0,209
199 ok	T,s=3,m=78	0.0	3.75e-02	3.21e-02	1.64e-03	212,209,209	1.01e-02	1.0	1.0	0,209
		45.0	2.47e-02	1.84e-02	1.81e-03	212,209,209	9.38e-03	1.0	1.0	0,209
200 ok	T,s=3,m=78	0.0	3.02e-02	1.85e-02	2.97e-03	212,209,209	1.39e-02	1.0	1.0	0,209
		45.0	1.68e-02	7.53e-04	3.19e-03	212,225,209	1.36e-02	1.0	1.0	0,209
201 ok	T,s=3,m=78	0.0	1.48e-02	6.27e-04	8.62e-02	225,212,100	1.01e-02	1.0	1.0	0,228
		60.0	6.63e-02	5.14e-02	2.92e-03	100,228,228	1.28e-02	1.0	1.0	0,228
202 ok	T,s=3,m=78	0.0	6.76e-02	5.13e-02	2.02e-02	100,228,100	6.59e-03	1.0	1.0	0,236
		60.0	6.52e-02	8.02e-02	2.38e-02	100,228,99	1.01e-02	1.0	1.0	0,236
203 ok	T,s=3,m=78	0.0	8.08e-02	2.40e-02	1.63e-02	228,66,225	6.42e-03	1.0	1.0	0,228
		60.0	0.1	1.04e-02	0.1	225,65,99	1.22e-02	1.0	1.0	0,225

204 ok	T,s=3,m=78	0.0	0.1	0.1	9.27e-02	228,225,99				1.12e-02	1.0	1.0	0,225
		60.0	6.63e-02	8.03e-02	1.46e-02	100,225,228				7.17e-03	1.0	1.0	0,225
205 ok	T,s=3,m=78	0.0	7.16e-02	8.05e-02	2.21e-02	100,225,99				1.72e-02	1.0	1.0	0,225
		60.0	7.13e-02	5.04e-02	2.19e-02	100,225,100				1.33e-02	1.0	1.0	0,225
206 ok	T,s=3,m=78	0.0	6.57e-02	5.82e-02	2.69e-03	100,52,225				1.29e-02	1.0	1.0	0,225
		60.0	1.37e-02	4.37e-04	8.71e-02	228,209,100				1.03e-02	1.0	1.0	0,225
207 ok	T,s=3,m=78	0.0	6.59e-03	5.92e-04	2.33e-04	225,218,228				6.19e-03	1.0	1.0	0,228
		60.8	7.62e-03	6.22e-03	1.56e-04	225,228,228				6.22e-03	1.0	1.0	0,228
208 ok	T,s=3,m=78	0.0	6.94e-03	5.34e-03	2.95e-04	230,97,225				1.58e-03	1.0	1.0	0,227
		60.8	2.94e-03	6.02e-03	3.23e-04	210,225,228				1.61e-03	1.0	1.0	0,227
209 ok	T,s=3,m=78	0.0	1.28e-02	6.10e-03	1.45e-04	226,225,225				1.08e-02	1.0	1.0	0,227
		60.8	1.21e-02	5.86e-04	2.20e-04	226,44,225				1.08e-02	1.0	1.0	0,227
210 ok	T,s=2,m=78	0.0	1.21e-02	2.78e-04	2.01e-04	214,67,97	1.29e-02	1.0	0.7	1.29e-02	1.0	1.0	215,215
		288.0	1.22e-02	7.40e-04	2.01e-04	214,69,97	1.29e-02	1.0	0.7	1.29e-02	1.0	1.0	215,215
211 ok	T,s=2,m=78	0.0	1.07e-02	6.10e-04	1.40e-02	210,69,212	9.70e-03	1.0	0.9	9.44e-03	1.0	1.0	211,211
		226.0	0.1	0.1	1.16e-02	209,212,212	0.1	1.0	0.9	2.59e-02	1.0	1.0	212,212
212 ok	T,s=2,m=78	0.0	0.1	0.1	1.21e-02	212,209,212	0.1	1.0	0.9	2.03e-02	1.0	1.0	209,209
		232.0	7.54e-03	4.39e-04	1.10e-02	228,67,209	7.02e-03	1.0	0.9	6.98e-03	1.0	1.0	225,225
213 ok	T,s=2,m=78	0.0	3.74e-03	2.09e-04	0.1	213,212,100	2.87e-03	1.0	0.9	2.67e-03	1.0	1.0	216,216
		232.0	0.2	0.1	0.2	225,228,99	0.1	1.0	0.9	3.17e-02	1.0	1.0	228,225
214 ok	T,s=2,m=78	0.0	0.2	0.2	0.2	228,225,99	0.2	1.0	0.9	3.52e-02	1.0	1.0	225,225
		235.3	7.67e-03	1.20e-04	0.2	226,212,100	6.41e-03	1.0	0.9	6.41e-03	1.0	1.0	227,227
215 ok	T,s=2,m=78	0.0	5.37e-03	1.56e-04	2.16e-04	210,211,97	6.59e-03	1.0	0.7	6.45e-03	1.0	1.0	211,211
		298.5	5.36e-03	6.68e-04	2.16e-04	210,43,97	6.56e-03	1.0	0.7	6.45e-03	1.0	1.0	211,211
216 ok	T,s=5,m=78	0.0	7.55e-03	1.62e-03	0.2	211,239,99				4.30e-03	1.0	1.0	0,210
		5.0	1.23e-02	6.45e-03	0.2	211,230,99				4.31e-03	1.0	1.0	0,210
217 ok	T,s=5,m=78	0.0	4.13e-04	3.85e-04	0.1	212,209,99				4.53e-04	1.0	1.0	0,69
		5.0	1.04e-02	1.07e-02	0.2	99,209,99				5.09e-04	1.0	1.0	0,67
218 ok	T,s=5,m=78	0.0	4.96e-04	4.31e-04	0.1	212,209,99				4.78e-04	1.0	1.0	0,69
		5.0	9.73e-03	8.62e-03	0.1	99,51,99				5.26e-04	1.0	1.0	0,67
219 ok	T,s=5,m=78	0.0	9.08e-03	6.04e-03	5.02e-02	211,107,105				5.17e-03	1.0	1.0	0,210
		5.0	9.22e-03	4.62e-03	4.63e-02	211,226,105				5.18e-03	1.0	1.0	0,210
220 ok	T,s=5,m=78	0.0	1.52e-04	0.0	3.00e-02	93,68,105				2.52e-04	1.0	1.0	0,68
		5.0	4.63e-03	5.12e-03	3.32e-02	81,105,105				2.60e-04	1.0	1.0	0,66
221 ok	T,s=3,m=78	0.0	0.1	8.74e-02	0.2	212,209,212				2.13e-02	1.0	1.0	0,209
		30.0	2.50e-02	9.57e-03	0.2	215,222,212				1.39e-02	1.0	1.0	0,209
222 ok	T,s=3,m=78	0.0	1.99e-02	9.32e-03	0.2	223,222,212				9.50e-03	1.0	1.0	0,222
		30.0	0.1	9.64e-02	0.2	212,209,212				1.65e-02	1.0	1.0	0,209
223 ok	T,s=2,m=78	0.0	2.40e-02	1.40e-02	9.87e-03	212,223,212				7.16e-03	1.0	1.0	0,225
		30.0	9.77e-03	4.33e-03	1.01e-02	228,100,212				7.12e-03	1.0	1.0	0,225
224 ok	T,s=2,m=78	0.0	1.89e-02	4.33e-03	9.41e-03	228,100,212				1.46e-02	1.0	1.0	0,225
		30.0	2.70e-02	1.53e-02	9.67e-03	228,209,212				1.47e-02	1.0	1.0	0,225
225 ok	T,s=2,m=78	0.0	2.78e-02	2.89e-02	1.81e-02	233,225,225				3.57e-03	1.0	1.0	0,211
		30.0	3.07e-02	2.70e-02	2.51e-02	99,51,228				3.57e-03	1.0	1.0	0,211
226 ok	T,s=2,m=78	0.0	3.07e-02	2.70e-02	2.84e-02	99,51,225				1.10e-02	1.0	1.0	0,227
		30.0	4.06e-02	1.91e-02	1.54e-02	230,27,225				1.09e-02	1.0	1.0	0,227
227 ok	T,s=3,m=78	0.0	0.1	0.1	0.2	233,225,228				1.24e-02	1.0	1.0	0,225
		30.0	3.73e-02	1.38e-02	0.3	99,225,228				1.16e-03	1.0	1.0	0,99
228 ok	T,s=3,m=78	0.0	3.53e-02	1.38e-02	0.3	99,225,225				1.16e-03	1.0	1.0	0,99
		30.0	0.1	0.1	0.2	228,225,225				1.10e-02	1.0	1.0	0,228

Elem.	Ver N+/M	Ver N-/M	Ver V/T	Ver N(s)	Kcy	Kcz	Ver M(s)	Kcrit(y)	Kcrit(z)
					0.94	0.61		1.00	1.00
	0.86	0.68	2.14	0.68			0.74		

Elem.	w,net R	w,net F	w,net P	Rif. cmb	Kdef	w,net Ri	w,net Fi	w,net Pi	Rif. cmb
8	0.4	0.4	0.4	256,298,310	0.8	0.8	0.7	0.7	256,301,310
9	9.68e-02	6.18e-02	5.66e-02	268,298,310	0.8	0.2	0.1	0.1	268,307,310
10	1.1	0.9	0.9	268,298,310	0.8	2.1	1.9	1.8	268,298,310
11	0.4	0.3	0.3	256,298,310	0.8	0.7	0.6	0.6	256,301,310
12	3.8	3.1	2.9	268,298,310	0.8	6.8	6.1	5.9	268,298,310
13	0.3	0.2	0.2	256,298,310	0.8	0.5	0.4	0.4	256,298,310
14	0.6	0.5	0.5	268,298,310	0.8	1.1	1.0	0.9	268,301,310
15	2.5	2.0	1.9	256,298,310	0.8	4.4	3.9	3.8	256,298,310
16	2.6	2.2	2.0	267,298,310	0.8	4.8	4.3	4.1	267,298,310
17	1.8	1.5	1.4	255,298,310	0.8	3.3	3.0	2.8	255,298,310
18	5.1	4.2	3.9	268,298,310	0.8	9.3	8.3	8.0	268,298,310
19	3.8	3.1	2.9	268,298,310	0.8	6.9	6.1	5.9	268,298,310
20	0.2	0.2	0.2	256,298,310	0.8	0.4	0.4	0.4	256,301,310
21	0.1	7.79e-02	7.32e-02	256,298,310	0.8	0.2	0.2	0.1	256,301,310
22	0.1	0.1	0.1	244,298,310	0.8	0.2	0.2	0.2	244,301,310
23	7.32e-02	4.54e-02	4.07e-02	268,298,310	0.8	0.1	0.1	8.84e-02	268,307,310
24	0.6	0.4	0.3	271,301,310	0.8	1.1	0.9	0.6	271,301,310
25	0.4	0.3	0.3	256,301,310	0.8	0.7	0.6	0.5	256,301,310

26	0.1	8.96e-02	8.29e-02	268,298,310	0.8	0.2	0.2	0.2	268,307,310
27	1.1	0.9	0.9	268,298,310	0.8	2.0	1.8	1.8	268,298,310
28	2.1	1.4	1.2	259,301,310	0.8	3.8	3.1	2.2	259,301,310
29	2.2	1.4	1.2	271,301,310	0.8	3.9	3.1	2.2	271,301,310
30	1.0	0.6	0.6	257,299,309	0.8	1.8	1.4	1.0	257,299,309
31	6.3	4.1	3.6	271,301,310	0.8	11.4	9.2	6.5	271,301,310
32	3.1	2.0	1.8	271,301,310	0.8	5.6	4.5	3.2	271,301,310
33	0.4	0.3	0.3	268,298,310	0.8	0.8	0.6	0.6	268,307,310
34	9.93e-02	6.64e-02	6.16e-02	268,307,310	0.8	0.2	0.1	0.1	268,307,310
35	6.58e-02	4.08e-02	3.62e-02	276,307,310	0.8	0.1	9.47e-02	7.20e-02	276,307,310
36	0.2	0.1	0.1	268,298,310	0.8	0.3	0.3	0.2	268,307,310
37	0.3	0.3	0.2	268,298,310	0.8	0.6	0.5	0.5	268,307,310
38	0.4	0.4	0.3	268,298,310	0.8	0.8	0.7	0.7	268,298,310
39	0.3	0.2	0.2	256,298,310	0.8	0.6	0.5	0.4	256,305,310
40	0.1	9.58e-02	9.04e-02	256,298,310	0.8	0.2	0.2	0.2	256,305,310
41	0.6	0.5	0.4	267,298,310	0.8	1.1	0.9	0.9	267,298,310
42	7.27e-02	4.61e-02	4.21e-02	268,307,310	0.8	0.1	0.1	8.59e-02	268,307,310
43	0.2	0.1	0.1	268,301,310	0.8	0.3	0.3	0.2	268,301,310
44	0.3	0.2	0.2	268,298,310	0.8	0.5	0.4	0.4	268,301,310
45	0.4	0.3	0.3	268,298,310	0.8	0.7	0.6	0.6	268,301,310
46	0.5	0.4	0.4	268,298,310	0.8	0.9	0.8	0.7	268,301,310
47	0.4	0.3	0.3	256,298,310	0.8	0.8	0.7	0.7	256,301,310
48	0.2	0.2	0.1	256,298,310	0.8	0.4	0.3	0.3	256,301,310
49	0.4	0.3	0.3	271,301,310	0.8	0.8	0.6	0.5	271,301,310
50	0.3	0.2	0.2	271,301,310	0.8	0.5	0.4	0.3	271,301,310
51	0.2	0.2	0.2	268,298,310	0.8	0.4	0.3	0.3	268,301,310
52	0.3	0.2	0.2	268,298,310	0.8	0.5	0.4	0.4	268,301,310
53	0.3	0.3	0.3	268,298,310	0.8	0.6	0.5	0.5	268,301,310
54	0.4	0.3	0.3	268,298,310	0.8	0.7	0.6	0.6	268,301,310
55	0.4	0.3	0.3	268,298,310	0.8	0.7	0.6	0.6	268,301,310
56	0.3	0.2	0.2	256,298,310	0.8	0.5	0.4	0.4	256,301,310
57	0.2	0.2	0.2	256,298,310	0.8	0.4	0.3	0.3	256,301,310
58	8.92e-02	6.36e-02	5.92e-02	268,298,310	0.8	0.2	0.1	0.1	268,307,310
59	7.43e-02	5.40e-02	5.06e-02	268,298,310	0.8	0.1	0.1	0.1	268,307,310
60	4.06e-02	2.92e-02	2.73e-02	268,298,310	0.8	7.64e-02	6.29e-02	5.53e-02	268,307,310
61	3.09e-02	2.27e-02	2.13e-02	268,298,310	0.8	5.81e-02	4.74e-02	4.29e-02	268,307,310
62	0.5	0.4	0.3	268,298,310	0.8	0.9	0.7	0.7	268,307,310
63	0.2	0.1	0.1	256,298,310	0.8	0.4	0.3	0.3	256,301,310
64	0.1	0.1	9.52e-02	271,301,310	0.8	0.3	0.2	0.2	271,301,310
65	0.2	0.1	0.1	268,298,310	0.8	0.3	0.3	0.2	268,301,310
66	0.2	0.2	0.1	268,298,310	0.8	0.4	0.3	0.3	268,301,310
67	0.1	7.26e-02	6.52e-02	271,301,310	0.8	0.2	0.2	0.1	271,301,310
68	5.01e-02	3.18e-02	2.99e-02	271,298,310	0.8	9.61e-02	6.49e-02	6.00e-02	271,301,310
69	0.6	0.5	0.5	268,298,310	0.8	1.2	1.0	0.9	268,301,310
70	1.4	1.1	1.0	268,298,310	0.8	2.5	2.2	2.1	268,298,310
71	4.80e-02	4.04e-02	3.79e-02	279,298,310	0.8	8.65e-02	7.87e-02	7.62e-02	279,298,310
72	8.16e-02	5.57e-02	5.01e-02	264,305,310	0.8	0.2	0.1	0.1	264,305,310
73	5.57e-02	3.83e-02	3.55e-02	268,307,310	0.8	0.1	8.60e-02	7.19e-02	268,307,310
74	6.38e-02	4.67e-02	4.37e-02	268,298,310	0.8	0.1	9.78e-02	8.82e-02	268,307,310
75	5.90e-02	4.40e-02	4.14e-02	268,298,310	0.8	0.1	8.97e-02	8.30e-02	268,307,310
76	0.8	0.6	0.6	256,298,310	0.8	1.4	1.2	1.2	256,305,310
77	0.2	0.2	0.2	256,301,310	0.8	0.4	0.4	0.3	256,301,310
78	0.2	0.2	0.2	256,298,310	0.8	0.4	0.3	0.3	256,301,310
79	0.2	0.2	0.2	256,298,310	0.8	0.5	0.4	0.4	256,301,310
80	0.6	0.4	0.3	271,301,310	0.8	1.0	0.8	0.6	271,301,310
81	0.3	0.2	0.2	271,301,310	0.8	0.6	0.5	0.4	271,301,310
82	0.2	0.1	0.1	268,301,310	0.8	0.3	0.3	0.2	268,301,310
83	0.1	0.1	0.1	268,298,310	0.8	0.3	0.2	0.2	268,301,310
84	0.1	0.1	0.1	268,298,310	0.8	0.3	0.2	0.2	268,301,310
85	1.2	0.8	0.7	271,301,310	0.8	2.1	1.7	1.3	271,301,310
86	0.9	0.6	0.6	271,301,310	0.8	1.6	1.4	1.1	271,301,310
87	0.2	0.2	0.1	271,301,310	0.8	0.4	0.4	0.3	271,301,310
88	6.31e-02	4.08e-02	3.78e-02	268,301,310	0.8	0.1	9.15e-02	7.68e-02	268,301,310
89	8.81e-02	5.33e-02	4.71e-02	257,299,309	0.8	0.2	0.1	8.47e-02	257,299,309
90	3.14e-02	2.01e-02	1.81e-02	268,307,310	0.8	6.06e-02	4.74e-02	3.75e-02	268,307,310
91	6.38e-02	4.55e-02	4.31e-02	268,301,310	0.8	0.1	9.69e-02	8.51e-02	268,301,310
92	6.69e-02	4.90e-02	4.65e-02	268,298,310	0.8	0.1	0.1	9.17e-02	268,301,310
93	0.7	0.5	0.5	259,301,310	0.8	1.3	1.1	0.9	259,301,310
94	0.4	0.3	0.3	259,301,310	0.8	0.8	0.7	0.6	259,301,310
95	0.3	0.2	0.2	256,301,310	0.8	0.5	0.4	0.4	256,301,310
96	0.2	0.2	0.2	256,298,310	0.8	0.5	0.4	0.4	256,301,310
97	0.3	0.2	0.2	268,298,310	0.8	0.6	0.5	0.5	268,301,310
98	0.1	0.1	0.1	268,298,310	0.8	0.3	0.2	0.2	268,301,310
99	0.6	0.5	0.5	256,298,310	0.8	1.2	1.0	1.0	256,301,310
100	0.3	0.2	0.2	256,298,310	0.8	0.5	0.4	0.4	256,301,310

101	0.5	0.4	0.4	256,298,310	0.8	1.0	0.8	0.8	256,301,310
102	0.4	0.3	0.3	268,298,310	0.8	0.7	0.7	0.6	268,301,310
103	0.2	0.2	0.2	256,298,310	0.8	0.4	0.4	0.3	256,301,310
104	0.1	7.83e-02	7.41e-02	256,298,310	0.8	0.2	0.2	0.1	256,301,310
105	0.3	0.2	0.2	256,298,310	0.8	0.5	0.4	0.4	256,301,310
106	0.5	0.4	0.4	256,298,310	0.8	0.9	0.8	0.7	256,301,310
107	0.2	0.2	0.2	256,298,310	0.8	0.4	0.4	0.4	256,305,310
108	0.2	0.1	0.1	264,298,310	0.8	0.4	0.2	0.2	264,305,310
109	0.1	0.1	9.43e-02	256,298,310	0.8	0.3	0.2	0.2	256,305,310
110	0.1	0.1	0.1	268,298,310	0.8	0.3	0.2	0.2	268,307,310
111	0.1	0.1	0.1	268,298,310	0.8	0.2	0.2	0.2	268,307,310
112	0.1	9.39e-02	8.97e-02	268,298,310	0.8	0.2	0.2	0.2	268,307,310
113	0.1	8.56e-02	8.16e-02	268,298,310	0.8	0.2	0.2	0.2	268,307,310
114	0.1	8.69e-02	8.28e-02	268,298,310	0.8	0.2	0.2	0.2	268,307,310
115	0.1	9.91e-02	9.44e-02	268,298,310	0.8	0.3	0.2	0.2	268,307,310
116	0.2	0.1	0.1	268,301,310	0.8	0.3	0.2	0.2	268,301,310
117	0.2	0.1	0.1	268,298,310	0.8	0.3	0.3	0.3	268,301,310
118	0.1	0.1	0.1	268,298,310	0.8	0.3	0.2	0.2	268,301,310
119	0.1	9.02e-02	8.63e-02	268,298,310	0.8	0.2	0.2	0.2	268,307,310
120	9.99e-02	7.61e-02	7.26e-02	268,298,310	0.8	0.2	0.2	0.1	268,307,310
121	0.1	7.48e-02	7.12e-02	268,307,310	0.8	0.2	0.2	0.1	268,307,310
122	0.1	8.95e-02	8.48e-02	268,307,310	0.8	0.2	0.2	0.2	268,307,310
123	0.2	0.1	0.1	268,298,310	0.8	0.3	0.3	0.2	268,307,310
124	8.97e-02	7.24e-02	6.93e-02	256,298,310	0.8	0.2	0.1	0.1	256,301,310
125	2.47e-02	1.93e-02	1.85e-02	256,298,310	0.8	4.64e-02	3.88e-02	3.59e-02	256,301,310
126	1.91e-02	1.55e-02	1.43e-02	279,298,310	0.8	3.46e-02	3.05e-02	2.94e-02	279,298,310
127	3.42e-02	2.53e-02	2.35e-02	288,298,310	0.8	6.41e-02	4.98e-02	4.80e-02	288,298,310
128	8.13e-02	6.42e-02	6.14e-02	268,298,310	0.8	0.2	0.1	0.1	268,307,310
129	5.96e-02	4.51e-02	4.30e-02	268,298,310	0.8	0.1	9.33e-02	8.41e-02	268,307,310
130	5.56e-02	4.00e-02	3.74e-02	268,307,310	0.8	0.1	8.64e-02	7.36e-02	268,307,310
131	6.70e-02	4.53e-02	4.12e-02	276,307,310	0.8	0.1	0.1	8.14e-02	276,307,310
132	0.1	8.22e-02	7.62e-02	268,307,310	0.8	0.2	0.2	0.1	268,307,310
133	2.47e-02	1.44e-02	1.22e-02	264,305,310	0.8	4.71e-02	3.56e-02	2.47e-02	264,305,310
134	2.54e-02	1.49e-02	1.27e-02	264,305,310	0.8	4.83e-02	3.67e-02	2.56e-02	264,305,310
135	2.61e-02	1.59e-02	1.37e-02	264,299,309	0.8	4.98e-02	3.79e-02	2.66e-02	264,305,310
136	2.70e-02	1.74e-02	1.62e-02	257,298,310	0.8	4.87e-02	3.89e-02	3.30e-02	257,299,310
137	0.2	0.1	0.1	256,305,310	0.8	0.3	0.2	0.2	256,305,310
138	0.2	0.1	0.1	256,305,310	0.8	0.3	0.3	0.2	256,305,310
139	0.2	0.2	0.2	256,298,310	0.8	0.4	0.4	0.4	256,301,310
140	0.2	0.2	0.1	256,298,310	0.8	0.4	0.3	0.3	256,301,310
141	0.2	0.1	0.1	256,298,310	0.8	0.3	0.3	0.2	256,305,310
142	5.38e-02	4.54e-02	4.26e-02	279,298,310	0.8	9.70e-02	8.84e-02	8.56e-02	279,298,310
143	5.74e-02	4.85e-02	4.55e-02	279,298,310	0.8	0.1	9.44e-02	9.14e-02	279,298,310
144	5.97e-02	5.05e-02	4.74e-02	255,298,310	0.8	0.1	9.83e-02	9.52e-02	255,298,310
145	0.1	0.1	0.1	256,298,310	0.8	0.3	0.2	0.2	256,305,310
146	0.1	9.99e-02	9.42e-02	256,298,310	0.8	0.3	0.2	0.2	256,305,310
147	0.1	0.1	9.76e-02	256,298,310	0.8	0.3	0.2	0.2	256,305,310
148	0.2	0.1	0.1	256,305,310	0.8	0.3	0.2	0.2	256,305,310
149	0.2	0.1	0.1	256,305,310	0.8	0.3	0.3	0.2	256,305,310
150	5.81e-02	4.31e-02	4.10e-02	268,298,310	0.8	0.1	9.10e-02	8.07e-02	268,301,310
151	4.68e-02	3.49e-02	3.31e-02	268,298,310	0.8	8.88e-02	7.34e-02	6.53e-02	268,301,310
152	3.71e-02	2.76e-02	2.61e-02	268,298,310	0.8	7.05e-02	5.81e-02	5.16e-02	268,301,310
153	3.11e-02	2.29e-02	2.16e-02	268,298,310	0.8	5.91e-02	4.82e-02	4.28e-02	268,301,310
154	4.93e-02	3.70e-02	3.49e-02	268,298,310	0.8	9.27e-02	7.56e-02	6.97e-02	268,301,310
155	3.92e-02	2.95e-02	2.78e-02	268,298,310	0.8	7.38e-02	6.06e-02	5.53e-02	268,301,310
156	3.04e-02	2.26e-02	2.14e-02	268,298,310	0.8	5.74e-02	4.70e-02	4.25e-02	268,301,310
157	2.17e-02	1.80e-02	1.67e-02	268,298,310	0.8	4.00e-02	3.54e-02	3.41e-02	268,298,310
158	2.48e-02	1.85e-02	1.74e-02	268,298,310	0.8	4.66e-02	3.77e-02	3.49e-02	268,307,310
159	2.12e-02	1.75e-02	1.63e-02	267,298,310	0.8	3.83e-02	3.44e-02	3.32e-02	267,298,310
160	2.16e-02	1.78e-02	1.66e-02	267,298,310	0.8	3.88e-02	3.50e-02	3.38e-02	267,298,310
161	2.19e-02	1.81e-02	1.69e-02	268,298,310	0.8	3.94e-02	3.56e-02	3.43e-02	268,298,310
162	0.1	8.31e-02	7.87e-02	256,298,310	0.8	0.2	0.2	0.2	256,305,310
163	1.36e-02	1.11e-02	1.03e-02	279,298,310	0.8	2.54e-02	2.19e-02	2.11e-02	264,298,310
164	2.01e-02	1.47e-02	1.37e-02	264,298,310	0.8	3.85e-02	3.05e-02	2.80e-02	264,305,310
165	3.53e-02	2.42e-02	2.22e-02	256,305,310	0.8	6.79e-02	5.45e-02	4.45e-02	256,305,310
166	6.11e-02	4.27e-02	3.95e-02	256,305,310	0.8	0.1	9.42e-02	7.86e-02	256,305,310
167	9.14e-02	6.34e-02	5.81e-02	264,305,310	0.8	0.2	0.1	0.1	264,305,310
168	0.2	0.1	0.1	256,298,310	0.8	0.3	0.3	0.2	256,301,310
169	3.43e-02	2.55e-02	2.36e-02	263,298,310	0.8	6.54e-02	5.48e-02	4.85e-02	263,305,310
170	5.19e-02	3.67e-02	3.43e-02	256,305,310	0.8	9.85e-02	8.09e-02	6.89e-02	256,305,310
171	8.36e-02	6.06e-02	5.68e-02	256,298,310	0.8	0.2	0.1	0.1	256,305,310
172	0.1	7.92e-02	7.46e-02	256,298,310	0.8	0.2	0.2	0.1	256,305,310
173	0.1	8.75e-02	8.26e-02	256,298,310	0.8	0.2	0.2	0.2	256,305,310
174	6.15e-02	4.08e-02	3.68e-02	251,303,310	0.8	0.1	9.22e-02	7.23e-02	251,303,310
175	3.14e-02	2.25e-02	2.10e-02	244,303,310	0.8	6.03e-02	4.86e-02	4.12e-02	244,303,310

176	6.00e-02	4.88e-02	4.65e-02	244,298,310	0.8	0.1	9.86e-02	9.12e-02	244,301,310
177	0.2	0.1	0.1	256,298,310	0.8	0.4	0.3	0.3	256,301,310
178	0.3	8.17e-02	5.28e-02	264,305,310	0.8	0.5	0.3	0.1	264,305,310
179	0.3	8.11e-02	4.55e-02	264,305,310	0.8	0.5	0.3	9.06e-02	264,305,310
180	0.3	7.74e-02	4.46e-02	264,305,310	0.8	0.5	0.3	8.90e-02	264,305,310
181	0.3	7.44e-02	4.59e-02	264,305,310	0.8	0.5	0.3	9.09e-02	264,305,310
182	0.3	7.32e-02	4.52e-02	264,305,310	0.8	0.5	0.3	8.86e-02	264,305,310
183	0.3	0.2	0.2	256,298,310	0.8	0.5	0.5	0.4	256,301,310
184	0.2	0.2	0.2	256,298,310	0.8	0.4	0.3	0.3	256,301,310
185	0.2	0.1	0.1	256,298,310	0.8	0.3	0.3	0.3	256,301,310
186	0.1	8.49e-02	8.01e-02	256,298,310	0.8	0.2	0.2	0.2	256,305,310
187	0.1	8.65e-02	8.16e-02	256,298,310	0.8	0.2	0.2	0.2	256,305,310
188	0.6	0.5	0.5	268,298,310	0.8	1.1	1.0	0.9	268,307,310
189	7.20e-02	4.62e-02	3.97e-02	261,304,309	0.8	0.1	0.1	7.15e-02	261,304,309
190	3.19e-02	6.38e-03	4.40e-03	261,304,310	0.8	5.74e-02	3.19e-02	8.83e-03	261,304,310
191	2.66e-02	1.27e-02	9.52e-03	251,303,310	0.8	4.94e-02	3.43e-02	1.83e-02	251,303,310
192	6.35e-02	4.95e-02	4.61e-02	251,303,310	0.8	0.1	0.1	8.31e-02	251,303,310
193	8.82e-02	6.67e-02	6.20e-02	264,305,310	0.8	0.2	0.1	0.1	264,305,310
194	7.70e-02	5.64e-02	5.21e-02	264,305,310	0.8	0.1	0.1	0.1	264,305,310
195	6.12e-02	4.17e-02	3.77e-02	264,305,310	0.8	0.1	9.49e-02	7.47e-02	264,305,310
196	4.08e-02	2.33e-02	1.97e-02	264,305,310	0.8	7.93e-02	5.98e-02	4.19e-02	264,305,310
197	4.71e-02	3.01e-02	2.64e-02	264,305,310	0.8	8.80e-02	6.89e-02	5.03e-02	264,305,310
198	3.36e-02	1.53e-02	1.14e-02	264,305,310	0.8	6.38e-02	4.32e-02	2.34e-02	264,305,310
199	1.94e-02	1.13e-02	9.27e-03	248,302,309	0.8	3.63e-02	2.68e-02	1.67e-02	264,302,309
200	3.77e-02	2.90e-02	2.68e-02	248,302,309	0.8	6.79e-02	5.92e-02	4.83e-02	248,302,309
201	0.5	0.4	0.4	280,298,310	0.8	0.9	0.8	0.8	280,301,310
202	0.2	0.1	0.1	280,298,310	0.8	0.3	0.3	0.3	280,301,310
203	0.2	0.1	0.1	267,298,310	0.8	0.4	0.3	0.3	267,307,310
204	0.1	0.1	0.1	279,298,310	0.8	0.3	0.2	0.2	279,298,310
205	0.2	0.2	0.2	268,298,310	0.8	0.4	0.3	0.3	268,301,310
206	0.6	0.4	0.4	268,298,310	0.8	1.0	0.9	0.8	268,301,310
207	4.91e-02	1.52e-02	7.56e-03	276,307,310	0.8	9.38e-02	5.70e-02	1.90e-02	276,307,310
208	7.16e-02	3.77e-02	3.02e-02	276,307,310	0.8	0.1	9.77e-02	6.05e-02	276,307,310
209	9.27e-02	5.78e-02	5.01e-02	276,307,310	0.8	0.2	0.1	9.63e-02	276,307,310
210	3.78e-02	2.11e-02	1.77e-02	251,303,310	0.8	7.22e-02	5.22e-02	3.53e-02	251,303,310
211	0.1	0.1	0.1	256,298,310	0.8	0.3	0.2	0.2	256,305,310
212	6.57e-02	4.36e-02	4.03e-02	256,305,310	0.8	0.1	9.75e-02	8.08e-02	256,305,310
213	0.2	0.2	0.1	280,298,310	0.8	0.4	0.3	0.3	280,298,310
214	0.3	0.2	0.2	268,298,310	0.8	0.6	0.5	0.4	268,301,310
215	0.2	0.1	0.1	268,307,310	0.8	0.3	0.3	0.2	268,307,310
216	0.6	0.5	0.5	268,298,310	0.8	1.2	1.0	1.0	268,307,310
217	0.2	0.1	0.1	256,298,310	0.8	0.3	0.3	0.3	256,301,310
218	0.4	0.3	0.3	256,298,310	0.8	0.7	0.6	0.5	256,301,310
219	5.42e-02	2.94e-02	2.46e-02	267,298,310	0.8	0.1	7.71e-02	5.95e-02	267,307,310
220	0.4	0.3	0.3	256,298,310	0.8	0.7	0.6	0.6	256,301,310
221	3.11e-02	1.12e-02	6.49e-03	261,307,310	0.8	5.72e-02	3.67e-02	1.33e-02	276,307,310
222	2.34e-02	1.18e-02	9.03e-03	251,303,310	0.8	4.29e-02	3.08e-02	1.69e-02	251,303,310
223	3.73e-02	2.63e-02	2.47e-02	244,298,310	0.8	7.11e-02	5.59e-02	4.96e-02	244,303,310
224	3.32e-02	2.35e-02	2.22e-02	244,303,310	0.8	6.34e-02	5.06e-02	4.41e-02	244,303,310
225	1.96e-02	9.64e-03	9.01e-03	274,298,310	0.8	3.78e-02	2.43e-02	1.82e-02	274,305,310
226	0.1	8.94e-02	8.38e-02	268,298,310	0.8	0.2	0.2	0.2	268,307,310
227	0.1	7.63e-02	7.08e-02	279,298,310	0.8	0.2	0.2	0.1	279,298,310
228	0.2	0.1	0.1	268,298,310	0.8	0.3	0.3	0.2	268,307,310

Elem.	**w,net R**	**w,net F**	**w,net P**		**w,net Ri**	**w,net Fi**	**w,net Pi**	
	6.32	4.24	3.95		11.40	9.19	8.04	

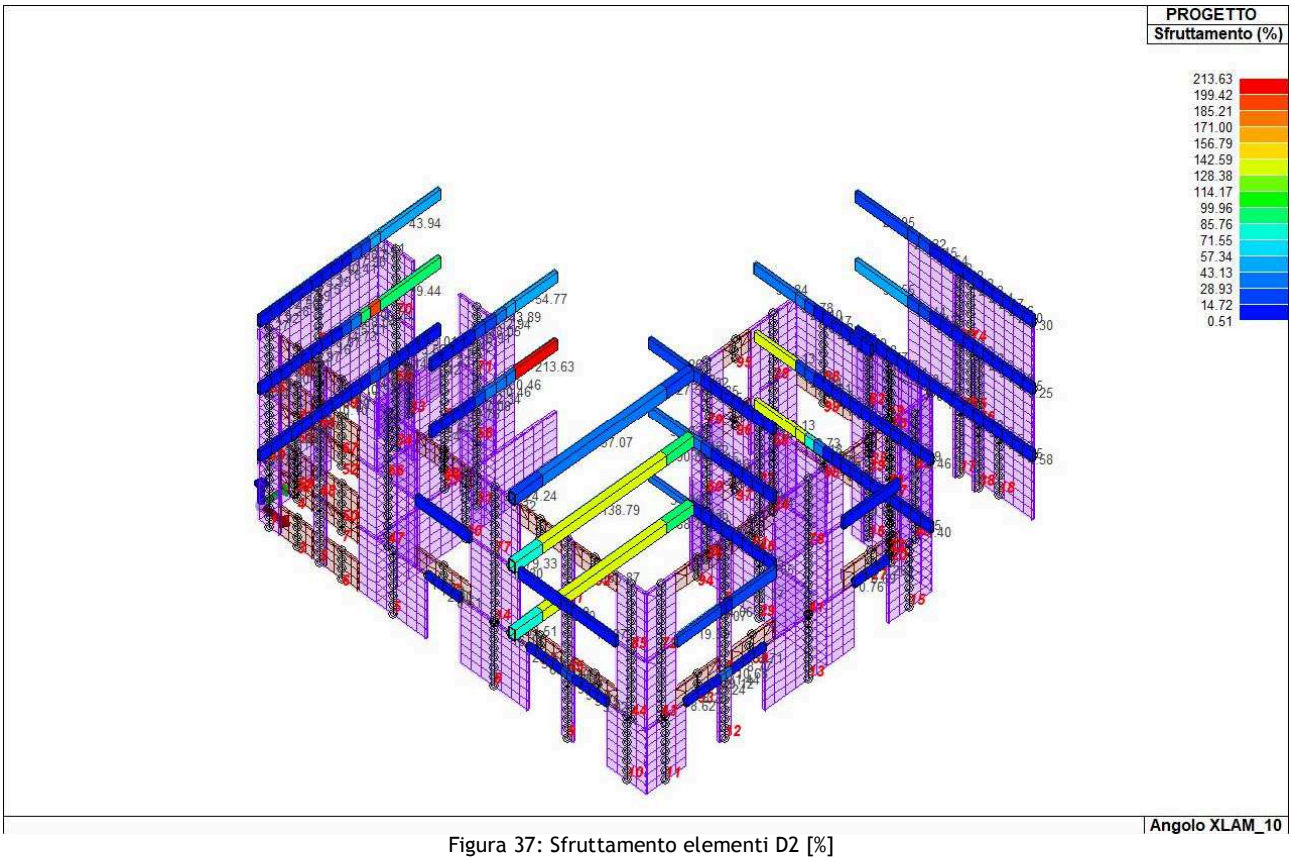


Figura 37: Sfruttamento elementi D2 [%]

35 VERIFICHE S.L. PANNELLI XLAM

35.1 LEGENDA TABELLA VERIFICHE S.L. PANNELLI XLAM

Il programma consente la verifica dei seguenti tipi di elementi:

1. **gusci**2. **setti**

L'esito delle verifiche è espresso con un codice come di seguito indicato:

- ***ok***: verifica con esito positivo
- ***NV***: verifica con esito negativo

Le verifiche sono condotte in ottemperanza alle NTC 17 Gennaio 2018 seguendo anche le indicazioni analitiche riportate nella norma tecnica UNI EN 1995-1-1:2005 "Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici" e nella norma tedesca DIN 1052 (D) - 2008.

Utilizzando il riferimento tecnico dell' Università di Monaco "Teilprojekt 15 – TP 15 Flächen aus Brettstapeln, Brettsperrholz und Verbundkonstruktionen" che permette di valutare in modo esaustivo il comportamento del pannello in presenza di significative deformazioni a taglio si è valutata in fase di verifica la migrazione degli sforzi dal "Piano B" al "Piano A" come previsto nell' appendice D parte 3 della norma tedesca DIN 1052 (D) - 2008.

In particolare le verifiche effettuate sono riconducibili a quanto previsto nell' appendice D e al capitolo 10.7 della DIN:

- 10.7.1 (127) tensoflessione
- 10.7.1 (128) pressoflessione
- 10.7.1 (129) taglio torsione
- 10.7.1 (130) trazione e taglio di rotolamento
- 10.7.1 (131) compressione e taglio di rotolamento
- App D. (26) momento torcente di incollaggio

Viene riportata un'ulteriore verifica (Mestek 5.4.5) in cui tutte le tensioni normali sono rapportate alla resistenza di progetto a flessione.

Le verifiche sono riportate in due distinte tabelle. Nella prima sono riportate le sollecitazoni sulle connessioni e le verifiche delle stesse. Nella seconda invece sono riportate le verifiche dei pannelli (raccolte per macroelementi e riportate ai nodi). Di seguito si esplicita il significato dei dati riportati nelle tabelle:

Setto/Guscio	Numero del macroelemento
Mat.	Materiale degli strati
N. strati	Numero di strati
Spessore	Spessore degli strati
Incoll.	Tavole incollate lungo il lato (si/no)
Direz. fibre	Inclinazione della direzione (0) rispetto all' asse X (per gusci)
Stato	Codice della verifica: ok verificato, NV non verificato
V.connes.	Codice della verifica delle connessioni: ok verificato, NV non verificato
V.Piede	Verifica delle connessioni alla base del pannello
Azione V	Taglio agente al piede del pannello
Rif.cmb	Combinazione di riferimento per la verifica delle connessioni al piede
V.testa	Verifica delle connessioni in testa al pannello
Azione V	Taglio agente in testa al pannello
Rif. Cmb	Combinazione di riferimento per la verifica delle connessioni in testa
V h-d	Verifica degli hold down
Azione N	Sforzo normale al piede del pannello
Azione M	Momento al piede del pannello
Rif. cmb	Combinazione di riferimento per la verifica degli hold down
Nodo	Numero del nodo per il quale si riportano le verifiche; prima riga direzione (0) seconda riga direzione (1)
V.127	Verifica come da DIN 10.7.1 (127) per tensoflessione
V.128	Verifica come da DIN 10.7.1 (128) per pressoflessione
V.545	Verifica come da riferimento tecnico dell' Università di Monaco Tp 15. (tensioni normali rapportate alla resistenza di progetto a flessione)
V.129	Verifica come da DIN 10.7.1 (129) per taglio torsione
V.130	Verifica come da DIN 10.7.1 (130) trazione e taglio di rotolamento
V.131	Verifica come da DIN 10.7.1 (131) compressione e taglio di rotolamento
M. D26	Momento torcente di incollaggio come da DIN App D. (26)
Fac. B-A	Fattore di riduzione della quota afferente al piano B in relazione alla deformabilità a taglio
Qsup. A	Quota afferente al piano A
Qsup. B	Quota afferente al piano B

A chiarimento delle verifiche riportate si precisa quanto segue.

Il programma consente la modellazione di pannelli XLAM con un numero di strati dispari di ugual spessore. Gli strati sono costituiti da tavole che possono o meno essere incollate lungo il lato lungo.

Gli strati sono caratterizzati dai moduli E0, G0, E90, G90 e Gori, rispettivamente in direzione 0 (parallela alle fibre), 90 (ortogonale alle fibre) e orizzontale.
Per convenzione la direzione 0 del pannello è quella parallela alle fibre del primo (e ultimo) strato. La direzione 0 pertanto ha caratteristiche di resistenza e rigidezza superiore alla direzione 1. Il programma ipotizza che la direzione 0 sia verticale per i setti e inclinata rispetto all' asse X per i gusci (inclinazione settabile da criterio di progetto). In fase di verifica non esiste interazione tra direzione 0 e 1.

La peculiarità del pannello XLAM è data dalla presenza di strati molto deformabili a taglio (G90 è di un ordine di grandezza inferiore a G0) così da invalidare l' ipotesi di conservazione delle sezioni piane. L' appendice D della DIN 1052 (D) - 2008 fornisce indicazioni per la valutazione delle rigidezze e delle tensioni sui pannelli XLAM, anche considerando la cedevolezza a taglio degli strati. In sostanza le azioni di piastra vengono ripartite su due piani ideali A e B mentre le azioni di lastra sono riportate sul piano ideale C. La deformabilità a taglio regola la ripartizione tra i piani A e B. Utilizzando il riferimento tecnico dell' Università di Monaco "Teilprojekt 15 – TP 15 Flächen aus Brettstapeln, Brettsperrholz und Verbundkonstruktionen" si è implementato l' algoritmo di ripartizione indicato al cap. 5.4.2.3 basato sull' analogia del taglio per carico sinusoidale. In base a questa analogia la quota di carico afferente al piano B viene ridotta in funzione delle caratteristiche statiche del pacchetto di strati e della luce del pannello nella direzione di studio.

Per entrambe le direzioni 0 e 1 si avranno 8 componenti di sollecitazione:

- Momento flettente ripartito su piano A e piano B
- Momento torcente ripartito su piano A e piano B
- Taglio ortogonale ripartito su piano A e piano B
- Sforzo normale su piano C
- Taglio membranale su piano C

Inoltre:

nel caso in cui le tavole siano incollate

- il momento di incollaggio è nullo
- il momento torcente viene ripartito sul piano A e B e verificato per la parte competente allo strato e al pannello (quota di Steiner)
- la resistenza al taglio di piano è offerta dall' intero spessore del pannello
- la dimensione "a" di fig. 16 par. 8.9.3 DIN 1052 (D) è identica nelle due direzioni

in caso contrario

- il momento di incollaggio viene computato secondo DIN D.26
- il momento torcente non viene verificato
- la resistenza al taglio di piano è offerta dallo spessore del pannello ridotto del 75%
- E90 DEVE ESSERE ASSUNTO PARI 0 (gli strati esterni si trascurano per tutti gli effetti in direzione debole)
- la dimensione "a" di fig. 16 par. 8.9.3 DIN 1052 (D) è minore in direzione (1)

Le verifiche V.127, V.128, V.545, V129 (ossia le verifiche per le tensioni normali e tangenziali) sono effettuate per gli strati pari in direzione 0 e per gli strati dispari in direzione 1 (ovvero gli strati con E0), le verifiche V130 e V131 sono effettuate per gli strati pari in direzione 1 e per gli strati dispari in direzione 0 (ovvero gli strati con G90).

Ai fini della verifica a taglio di piastra, è consentita una verifica semplificata che affida al piano B l' intero taglio e
determina la tensione tangenziale dividendo il taglio per la dimensione "a" di fig. 16 par. 8.9.3.
Il programma prevede a scelta dell' utente questa possibilità.

Si sottolinea che le sei verifiche sono espresse dal rapporto tra domanda e capacità, affinché la verifica sia positiva il rapporto deve essere inferiore o uguale a 1. La capacità è affetta dal termine **kmod**, espressione della classe di servizio e della durata dei carichi (si considera a livello di combinazione il caso di carico di minor durata).

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

Test N°	Titolo
126	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
127	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI
128	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM
129	VERIFICA HOLD DOWN DI UN PANNELLO IN XLAM

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
1	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.72	37.1	177	0.47	24.1	182	0.94	1.510e+04	-4.303e+05	237

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1	0.21	0.22	0.0	237,240,0	0.12	4.93e-03	0.03	209,69,240	0.27	209	0.85	0.06	0.94
	5.79e-03	4.65e-03	0.0	221,224,0	0.12	3.21e-03	3.21e-03	209,68,68			1.00	0.04	0.96
2	0.21	0.22	0.0	237,240,0	0.12	4.93e-03	0.03	209,69,240	0.27	209	0.85	0.06	0.94
	8.56e-03	5.95e-03	0.0	221,224,0	0.12	3.21e-03	3.21e-03	209,68,68			1.00	0.04	0.96
3	0.21	0.22	0.0	237,240,0	0.13	0.02	0.03	209,69,68	0.27	209	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.13	5.05e-03	5.05e-03	209,68,68			1.00	0.04	0.96
4	0.21	0.22	0.0	237,240,0	0.13	0.02	0.03	209,69,240	0.27	209	0.85	0.06	0.94
	0.01	8.80e-03	0.0	217,220,0	0.13	5.05e-03	5.05e-03	209,68,68			1.00	0.04	0.96
5	0.19	0.20	0.0	237,240,0	0.13	3.33e-03	0.02	210,69,240	0.28	210	0.85	0.06	0.94
	0.05	0.03	0.0	212,209,0	0.13	2.27e-03	2.27e-03	210,237,237			1.00	0.04	0.96
6	0.19	0.20	0.0	237,240,0	0.13	0.02	0.03	210,69,68	0.28	210	0.85	0.06	0.94
	0.12	0.08	0.0	212,209,0	0.13	3.59e-03	3.59e-03	210,69,69			1.00	0.04	0.96
7	0.17	0.18	0.0	237,240,0	0.47	1.37e-03	0.02	209,69,240	0.52	209	0.85	0.06	0.94
	0.05	0.03	0.0	212,209,0	0.47	7.10e-04	7.10e-04	209,68,68			1.00	0.04	0.96
8	0.17	0.18	0.0	237,240,0	0.50	0.01	0.03	212,70,68	0.54	212	0.85	0.06	0.94
	0.14	0.09	0.0	212,209,0	0.50	4.05e-03	4.05e-03	212,69,69			1.00	0.04	0.96
9	0.07	0.09	0.0	215,214,0	0.13	0.02	0.03	209,69,68	0.27	209	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.13	5.05e-03	5.05e-03	209,68,68			1.00	0.04	0.96
10	0.06	0.08	0.0	215,214,0	0.13	0.02	0.03	209,69,68	0.27	209	0.85	0.06	0.94
	0.01	8.80e-03	0.0	217,220,0	0.13	5.05e-03	5.05e-03	209,68,68			1.00	0.04	0.96
11	0.09	0.10	0.0	215,214,0	0.10	0.02	0.03	209,69,68	0.24	209	0.85	0.06	0.94
	0.12	0.08	0.0	212,209,0	0.10	3.59e-03	3.59e-03	209,69,69			1.00	0.04	0.96
12	0.09	0.10	0.0	215,214,0	0.50	0.01	0.03	212,70,68	0.54	212	0.85	0.06	0.94
	0.14	0.09	0.0	212,209,0	0.50	4.05e-03	4.05e-03	212,69,69			1.00	0.04	0.96
13	0.14	0.15	0.0	237,240,0	0.47	3.55e-03	0.02	209,69,240	0.52	209	0.85	0.06	0.94
	0.05	0.04	0.0	209,212,0	0.47	1.62e-03	1.62e-03	209,68,68			1.00	0.04	0.96
14	0.14	0.15	0.0	237,240,0	0.51	7.48e-03	0.03	212,68,68	0.55	212	0.85	0.06	0.94
	0.15	0.10	0.0	209,212,0	0.51	4.05e-03	4.05e-03	212,69,69			1.00	0.04	0.96
15	0.11	0.12	0.0	237,240,0	0.46	4.87e-03	0.01	209,69,240	0.52	209	0.85	0.06	0.94

	0.06	0.04	0.0	209,212,0	0.46	5.17e-03	5.17e-03	209,215,215			1.00	0.04	0.96
16	0.11	0.12	0.0	237,240,0	0.51	0.02	0.03	212,68,68	0.55	212	0.85	0.06	0.94
	0.15	0.10	0.0	209,212,0	0.51	5.17e-03	5.17e-03	212,215,215			1.00	0.04	0.96
17	0.08	0.10	0.0	235,234,0	0.51	7.48e-03	0.03	212,68,68	0.55	212	0.85	0.06	0.94
	0.15	0.10	0.0	209,212,0	0.51	4.05e-03	4.05e-03	212,69,69			1.00	0.04	0.96
18	0.07	0.09	0.0	233,236,0	0.51	0.02	0.03	212,68,68	0.55	212	0.85	0.06	0.94
	0.15	0.10	0.0	209,212,0	0.51	2.65e-03	2.65e-03	212,67,67			1.00	0.04	0.96
19	0.09	0.10	0.0	237,240,0	0.12	6.07e-03	0.01	214,69,240	0.26	214	0.85	0.06	0.94
	0.06	0.04	0.0	209,212,0	0.12	7.51e-03	7.51e-03	214,68,68			1.00	0.04	0.96
20	0.09	0.10	0.0	237,240,0	0.12	0.02	0.03	214,69,68	0.26	214	0.85	0.06	0.94
	0.15	0.10	0.0	209,212,0	0.12	8.64e-03	8.64e-03	214,68,68			1.00	0.04	0.96
21	0.07	0.10	0.0	237,240,0	0.06	6.07e-03	0.01	214,69,240	0.19	214	0.85	0.06	0.94
	9.32e-03	2.31e-03	0.0	92,68,0	0.06	8.64e-03	8.64e-03	214,68,68			1.00	0.04	0.96
22	0.07	0.09	0.0	237,240,0	0.06	0.02	0.03	214,69,68	0.19	214	0.85	0.06	0.94
	9.85e-03	9.48e-03	0.0	69,68,0	0.06	8.64e-03	8.64e-03	214,68,68			1.00	0.04	0.96
23	0.07	0.09	0.0	237,240,0	0.07	0.02	0.03	209,69,68	0.21	209	0.85	0.06	0.94
	0.15	0.10	0.0	209,212,0	0.07	3.64e-03	3.64e-03	209,68,68			1.00	0.04	0.96
24	0.06	0.07	0.0	237,240,0	0.05	0.02	0.03	212,69,68	0.17	212	0.85	0.06	0.94
	9.85e-03	9.48e-03	0.0	69,68,0	0.05	3.64e-03	3.64e-03	212,68,68			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.21	0.22	0.0	0.51	0.02	0.03	0.55

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
2	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.73	20.2	177	0.44	-12.2	180	0.28	-509.8	-9.055e+04	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
25	0.06	0.09	0.0	209,212,0	0.13	0.03	0.03	212,69,68	0.27	212	0.85	0.06	0.94
	0.01	7.12e-03	0.0	209,212,0	0.13	9.29e-04	9.29e-04	212,234,234			1.00	0.04	0.96
26	0.07	0.10	0.0	209,212,0	0.13	0.03	0.04	212,69,68	0.27	212	0.85	0.06	0.94
	0.02	0.01	0.0	209,212,0	0.13	9.29e-04	9.29e-04	212,234,234			1.00	0.04	0.96
27	0.07	0.10	0.0	209,212,0	0.13	0.03	0.04	209,69,68	0.28	209	0.85	0.06	0.94
	0.05	0.03	0.0	209,212,0	0.13	9.29e-04	9.29e-04	209,234,234			1.00	0.04	0.96
28	0.06	0.09	0.0	209,212,0	0.13	0.03	0.03	209,69,68	0.28	209	0.85	0.06	0.94
	0.01	7.12e-03	0.0	209,212,0	0.13	9.29e-04	9.29e-04	209,234,234			1.00	0.04	0.96
29	0.10	0.13	0.0	209,212,0	0.09	0.02	0.05	212,65,68	0.23	212	0.85	0.06	0.94
	0.07	0.04	0.0	209,212,0	0.09	5.82e-03	5.82e-03	212,66,66			1.00	0.04	0.96
30	0.10	0.13	0.0	209,212,0	0.09	0.02	0.05	209,65,68	0.23	209	0.85	0.06	0.94
	0.07	0.04	0.0	209,212,0	0.09	5.82e-03	5.82e-03	209,66,66			1.00	0.04	0.96
31	0.10	0.13	0.0	209,212,0	0.50	0.02	0.05	212,68,68	0.54	212	0.85	0.06	0.94
	0.07	0.04	0.0	209,212,0	0.50	5.97e-03	5.97e-03	212,68,68			1.00	0.04	0.96
32	0.10	0.13	0.0	209,212,0	0.50	0.02	0.05	212,68,68	0.54	212	0.85	0.06	0.94
	0.07	0.04	0.0	209,212,0	0.50	5.97e-03	5.97e-03	212,68,68			1.00	0.04	0.96
33	0.05	0.08	0.0	215,214,0	0.13	0.02	0.04	209,66,68	0.28	209	0.85	0.06	0.94
	0.05	0.03	0.0	209,212,0	0.13	9.13e-04	9.13e-04	209,225,225			1.00	0.04	0.96
34	0.04	0.07	0.0	215,214,0	0.13	0.02	0.03	209,66,68	0.28	209	0.85	0.06	0.94
	0.01	6.82e-03	0.0	209,212,0	0.13	9.13e-04	9.13e-04	209,225,225			1.00	0.04	0.96
35	0.08	0.10	0.0	212,209,0	0.09	0.02	0.04	209,70,68	0.23	209	0.85	0.06	0.94
	0.05	0.03	0.0	209,212,0	0.09	5.30e-03	5.30e-03	209,69,69			1.00	0.04	0.96
36	0.08	0.10	0.0	212,209,0	0.49	0.02	0.04	212,69,68	0.54	212	0.85	0.06	0.94
	0.02	0.02	0.0	213,216,0	0.49	5.30e-03	5.30e-03	212,69,69			1.00	0.04	0.96
37	0.10	0.13	0.0	209,212,0	0.50	0.01	0.04	212,69,68	0.54	212	0.85	0.06	0.94
	0.06	0.04	0.0	209,209,0	0.50	5.97e-03	5.97e-03	212,68,68			1.00	0.04	0.96
38	0.10	0.13	0.0	209,212,0	0.50	0.01	0.04	212,68,68	0.54	212	0.85	0.06	0.94
	0.06	0.04	0.0	209,209,0	0.50	5.97e-03	5.97e-03	212,68,68			1.00	0.04	0.96
39	0.05	0.08	0.0	69,68,0	0.49	0.03	0.05	209,68,68	0.54	209	0.85	0.06	0.94
	0.06	0.04	0.0	212,209,0	0.49	3.73e-03	3.73e-03	209,68,68			1.00	0.04	0.96
40	0.08	0.10	0.0	209,212,0	0.50	0.03	0.05	212,68,68	0.54	212	0.85	0.06	0.94
	0.06	0.04	0.0	212,209,0	0.50	3.73e-03	3.73e-03	212,68,68			1.00	0.04	0.96
41	0.07	0.10	0.0	211,210,0	0.50	0.01	0.04	212,68,68	0.54	212	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.50	5.26e-03	5.26e-03	212,69,69			1.00	0.04	0.96
42	0.08	0.10	0.0	209,212,0	0.50	0.02	0.04	212,69,68	0.54	212	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.50	3.09e-03	3.09e-03	212,69,69			1.00	0.04	0.96
43	0.05	0.08	0.0	215,214,0	0.05	0.03	0.05	209,68,68	0.16	209	0.85	0.06	0.94
	0.05	0.04	0.0	212,209,0	0.05	3.54e-03	3.54e-03	209,68,68			1.00	0.04	0.96

44	0.08	0.10	0.0	209,212,0	0.05	0.03	0.05	212,68,68	0.18	212	0.85	0.06	0.94
	0.05	0.04	0.0	212,209,0	0.05	3.54e-03	3.54e-03	212,68,68			1.00	0.04	0.96
45	0.02	0.04	0.0	215,214,0	0.05	0.03	0.04	209,68,68	0.16	209	0.85	0.06	0.94
	3.38e-03	3.64e-03	0.0	213,68,0	0.05	1.04e-03	1.04e-03	209,239,239			1.00	0.04	0.96
46	0.03	0.05	0.0	209,212,0	0.05	0.03	0.04	212,68,68	0.18	212	0.85	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.05	1.51e-03	1.51e-03	212,68,68			1.00	0.04	0.96
47	0.08	0.10	0.0	209,212,0	0.05	0.03	0.04	212,69,68	0.18	212	0.85	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.05	3.09e-03	3.09e-03	212,69,69			1.00	0.04	0.96
48	0.03	0.05	0.0	209,212,0	0.05	0.03	0.03	212,69,68	0.18	212	0.85	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.05	1.51e-03	1.51e-03	212,68,68			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.10	0.13	0.0	0.50	0.03	0.05	0.54

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
3	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
9	0.02	0.02	0.0	209,212,0	0.17	7.20e-04	2.00e-03	209,68,212	0.32	209	0.53	0.09	0.91
	0.09	0.07	0.0	215,214,0	0.17	0.01	0.01	209,68,68			1.00	0.04	0.96
10	1.98e-03	1.87e-03	0.0	237,240,0	0.15	7.20e-04	8.23e-04	209,68,68	0.30	209	0.53	0.09	0.91
	0.09	0.07	0.0	215,214,0	0.15	0.01	0.01	209,68,68			1.00	0.04	0.96
11	0.08	0.06	0.0	212,209,0	0.19	8.96e-03	8.96e-03	209,68,68	0.33	209	0.53	0.09	0.91
	0.09	0.07	0.0	215,214,0	0.19	0.01	0.01	209,68,68			1.00	0.04	0.96
12	0.08	0.06	0.0	212,209,0	0.19	8.96e-03	8.96e-03	209,68,68	0.33	209	0.53	0.09	0.91
	0.09	0.06	0.0	211,210,0	0.19	0.01	0.01	209,68,68			1.00	0.04	0.96
25	5.12e-03	4.21e-03	0.0	209,212,0	0.15	5.60e-04	6.43e-04	212,68,68	0.30	212	0.53	0.09	0.91
	0.08	0.06	0.0	209,212,0	0.15	0.01	0.01	212,69,69			1.00	0.04	0.96
26	5.12e-03	4.21e-03	0.0	209,212,0	0.18	5.60e-04	6.43e-04	212,68,68	0.32	212	0.53	0.09	0.91
	0.09	0.07	0.0	209,212,0	0.18	0.01	0.01	212,69,69			1.00	0.04	0.96
29	0.03	0.03	0.0	209,212,0	0.18	8.82e-03	8.82e-03	212,68,68	0.32	212	0.53	0.09	0.91
	0.10	0.07	0.0	209,212,0	0.18	0.01	0.01	212,69,69			1.00	0.04	0.96
31	0.03	0.03	0.0	209,212,0	0.16	8.82e-03	8.82e-03	212,68,68	0.31	212	0.53	0.09	0.91
	0.10	0.07	0.0	209,212,0	0.16	0.01	0.01	212,69,69			1.00	0.04	0.96
49	0.02	0.02	0.0	209,212,0	0.17	7.20e-04	2.00e-03	209,68,212	0.32	209	0.53	0.09	0.91
	0.09	0.07	0.0	215,214,0	0.17	0.01	0.01	209,68,68			1.00	0.04	0.96
50	3.07e-03	2.65e-03	0.0	221,224,0	0.15	7.20e-04	1.37e-03	209,68,68	0.30	209	0.53	0.09	0.91
	0.09	0.07	0.0	215,214,0	0.15	0.01	0.01	209,68,68			1.00	0.04	0.96
51	0.08	0.06	0.0	212,209,0	0.19	8.96e-03	8.96e-03	209,68,68	0.33	209	0.53	0.09	0.91
	0.09	0.07	0.0	215,214,0	0.19	0.01	0.01	209,68,68			1.00	0.04	0.96
52	0.08	0.06	0.0	212,209,0	0.19	8.96e-03	8.96e-03	209,68,68	0.33	209	0.53	0.09	0.91
	0.09	0.06	0.0	211,210,0	0.19	0.01	0.01	209,68,68			1.00	0.04	0.96
53	0.01	8.59e-03	0.0	209,212,0	0.15	4.70e-04	1.37e-03	212,69,68	0.30	212	0.53	0.09	0.91
	0.01	0.02	0.0	211,210,0	0.15	8.25e-03	8.25e-03	212,68,68			1.00	0.04	0.96
54	4.01e-03	3.35e-03	0.0	209,212,0	0.15	4.70e-04	1.37e-03	212,69,68	0.29	212	0.53	0.09	0.91
	0.01	0.02	0.0	211,210,0	0.15	8.25e-03	8.25e-03	212,68,68			1.00	0.04	0.96
55	0.04	0.03	0.0	212,209,0	0.15	3.05e-03	4.51e-03	212,69,209	0.30	212	0.53	0.09	0.91
	0.02	0.02	0.0	212,68,0	0.15	4.36e-03	4.36e-03	212,68,68			1.00	0.04	0.96
56	0.04	0.03	0.0	212,209,0	0.10	3.05e-03	4.51e-03	209,69,209	0.24	209	0.53	0.09	0.91
	0.02	0.01	0.0	212,209,0	0.10	4.36e-03	4.36e-03	209,68,68			1.00	0.04	0.96
57	6.58e-03	5.21e-03	0.0	221,224,0	0.18	5.60e-04	1.20e-03	212,68,68	0.32	212	0.53	0.09	0.91
	0.09	0.07	0.0	209,212,0	0.18	0.01	0.01	212,69,69			1.00	0.04	0.96
58	5.12e-03	4.21e-03	0.0	209,212,0	0.15	5.60e-04	1.20e-03	212,68,68	0.30	212	0.53	0.09	0.91
	0.08	0.06	0.0	209,212,0	0.15	0.01	0.01	212,69,69			1.00	0.04	0.96
59	0.03	0.03	0.0	209,212,0	0.18	8.82e-03	8.82e-03	212,68,68	0.32	212	0.53	0.09	0.91
	0.10	0.07	0.0	209,212,0	0.18	0.01	0.01	212,69,69			1.00	0.04	0.96
60	0.03	0.03	0.0	209,212,0	0.16	8.82e-03	8.82e-03	212,68,68	0.31	212	0.53	0.09	0.91
	0.10	0.07	0.0	209,212,0	0.16	0.01	0.01	212,69,69			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.10	0.07	0.0	0.19	0.01	0.01	0.33

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
4	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
18	0.11	0.08	0.0	209,212,0	0.18	5.68e-03	9.97e-03	212,69,68	0.32	212	0.29	0.16	0.84
	0.03	0.03	0.0	221,224,0	0.18	8.83e-03	8.83e-03	212,68,68			1.00	0.04	0.96
23	0.11	0.08	0.0	209,212,0	0.18	5.68e-03	9.97e-03	212,69,68	0.33	212	0.29	0.16	0.84
	0.04	0.05	0.0	237,240,0	0.18	8.83e-03	8.83e-03	212,68,68			1.00	0.04	0.96
24	0.03	0.02	0.0	212,209,0	0.18	7.31e-04	2.38e-03	212,69,209	0.33	212	0.29	0.16	0.84
	0.04	0.05	0.0	237,240,0	0.18	8.78e-03	8.78e-03	212,68,68			1.00	0.04	0.96
39	0.04	0.03	0.0	212,209,0	0.16	5.53e-03	5.53e-03	209,68,68	0.30	209	0.29	0.16	0.84
	0.05	0.04	0.0	212,209,0	0.16	7.33e-03	7.33e-03	209,68,68			1.00	0.04	0.96
43	0.04	0.03	0.0	212,209,0	0.20	5.53e-03	5.53e-03	209,68,68	0.34	209	0.29	0.16	0.84
	0.05	0.05	0.0	212,214,0	0.20	7.56e-03	7.56e-03	209,69,69			1.00	0.04	0.96
45	0.02	0.01	0.0	209,212,0	0.20	9.25e-04	1.57e-03	209,67,212	0.34	209	0.29	0.16	0.84
	0.05	0.05	0.0	215,214,0	0.20	7.56e-03	7.56e-03	209,69,69			1.00	0.04	0.96
61	0.11	0.08	0.0	209,212,0	0.20	5.68e-03	9.97e-03	212,69,68	0.34	212	0.29	0.16	0.84
	0.04	0.05	0.0	237,240,0	0.20	8.83e-03	8.83e-03	212,68,68			1.00	0.04	0.96
62	0.11	0.08	0.0	209,212,0	0.18	5.68e-03	9.97e-03	212,69,68	0.32	212	0.29	0.16	0.84
	0.03	0.03	0.0	221,224,0	0.18	8.83e-03	8.83e-03	212,68,68			1.00	0.04	0.96
63	4.70e-03	4.25e-03	0.0	212,209,0	0.20	4.13e-04	1.73e-03	212,68,68	0.34	212	0.29	0.16	0.84
	8.87e-03	0.01	0.0	237,240,0	0.20	6.95e-03	6.95e-03	212,68,68			1.00	0.04	0.96
64	0.06	0.04	0.0	209,212,0	0.20	1.93e-03	5.68e-03	209,69,216	0.34	209	0.29	0.16	0.84
	0.01	0.01	0.0	209,212,0	0.20	2.35e-03	2.35e-03	209,68,68			1.00	0.04	0.96
65	0.06	0.04	0.0	209,212,0	0.14	1.93e-03	5.68e-03	212,69,216	0.29	212	0.29	0.16	0.84
	0.01	0.01	0.0	209,212,0	0.14	1.26e-03	1.26e-03	212,68,68			1.00	0.04	0.96
66	4.70e-03	4.25e-03	0.0	212,209,0	0.20	4.13e-04	1.82e-03	209,68,67	0.34	209	0.29	0.16	0.84
	4.74e-03	5.26e-03	0.0	221,224,0	0.20	2.35e-03	2.35e-03	209,68,68			1.00	0.04	0.96
67	0.04	0.03	0.0	212,209,0	0.20	5.53e-03	5.53e-03	209,68,68	0.34	209	0.29	0.16	0.84
	0.05	0.05	0.0	212,214,0	0.20	7.56e-03	7.56e-03	209,69,69			1.00	0.04	0.96
68	0.04	0.03	0.0	212,209,0	0.16	5.53e-03	5.53e-03	209,68,68	0.30	209	0.29	0.16	0.84
	0.05	0.04	0.0	212,209,0	0.16	7.33e-03	7.33e-03	209,68,68			1.00	0.04	0.96
69	4.53e-03	3.82e-03	0.0	214,215,0	0.20	3.93e-04	1.82e-03	209,225,67	0.34	209	0.29	0.16	0.84
	4.67e-03	8.46e-03	0.0	215,214,0	0.20	5.97e-03	5.97e-03	209,68,68			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.11	0.08	0.0	0.20	8.83e-03	9.97e-03	0.34

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
5	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.80	132.5	177	0.79	130.9	177	0.92	1.164e+04	6.211e+06	212

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
70	0.13	0.17	0.0	233,236,0	0.16	1.75e-03	0.02	209,69,236	0.31	209	0.85	0.06	0.94
	0.02	0.01	0.0	68,69,0	0.16	6.12e-03	6.12e-03	209,68,68			1.00	0.04	0.96
71	0.13	0.17	0.0	233,236,0	0.17	1.75e-03	0.02	209,69,236	0.32	209	0.85	0.06	0.94
	0.06	0.04	0.0	209,212,0	0.17	0.02	0.02	209,68,68			1.00	0.04	0.96
72	0.13	0.17	0.0	233,236,0	0.15	7.06e-03	0.02	212,69,236	0.30	212	0.85	0.06	0.94
	0.06	0.04	0.0	209,212,0	0.15	0.02	0.02	212,68,68			1.00	0.04	0.96
73	0.13	0.17	0.0	233,236,0	0.15	7.06e-03	0.02	212,69,236	0.30	212	0.85	0.06	0.94
	0.02	0.01	0.0	68,69,0	0.15	6.12e-03	6.12e-03	212,68,68			1.00	0.04	0.96
74	0.12	0.15	0.0	233,236,0	0.24	4.80e-04	0.02	209,69,236	0.38	209	0.85	0.06	0.94
	0.19	0.13	0.0	209,212,0	0.24	0.02	0.02	209,68,68			1.00	0.04	0.96
75	0.13	0.15	0.0	209,212,0	0.19	4.39e-03	0.02	212,69,236	0.34	212	0.85	0.06	0.94
	0.23	0.16	0.0	209,212,0	0.19	0.02	0.02	212,68,68			1.00	0.04	0.96
76	0.10	0.13	0.0	233,236,0	0.49	4.94e-04	0.01	212,235,236	0.54	212	0.85	0.06	0.94
	0.19	0.13	0.0	209,212,0	0.49	0.03	0.03	212,68,68			1.00	0.04	0.96

77	0.13	0.15	0.0 209,212,0	0.49	3.83e-03	0.02212,69,212	0.54	212	0.85	0.06	0.94
	0.23	0.16	0.0 209,212,0	0.49	0.03	0.03 212,68,68			1.00	0.04	0.96
78	0.11	0.14	0.0 209,212,0	0.14	7.06e-03	0.02209,69,228	0.29	209	0.85	0.06	0.94
	0.04	0.03	0.0 209,212,0	0.14	0.01	0.01 209,68,68			1.00	0.04	0.96
79	0.11	0.14	0.0 209,212,0	0.14	7.06e-03	0.02209,69,228	0.29	209	0.85	0.06	0.94
	6.64e-03	4.12e-03	0.0 209,212,0	0.14	2.48e-03	2.48e-03 209,68,68			1.00	0.04	0.96
80	0.13	0.15	0.0 209,212,0	0.12	4.39e-03	0.02212,69,212	0.26	212	0.85	0.06	0.94
	0.23	0.16	0.0 209,212,0	0.12	0.02	0.02 212,68,68			1.00	0.04	0.96
81	0.13	0.15	0.0 209,212,0	0.43	3.83e-03	0.02212,69,212	0.50	212	0.85	0.06	0.94
	0.23	0.16	0.0 209,212,0	0.43	0.02	0.02 212,68,68			1.00	0.04	0.96
82	0.08	0.11	0.0 233,236,0	0.49	4.94e-04	0.01212,235,236	0.54	212	0.85	0.06	0.94
	0.15	0.10	0.0 209,212,0	0.49	0.03	0.03 212,68,68			1.00	0.04	0.96
83	0.12	0.15	0.0 209,212,0	0.49	3.83e-03	0.02212,69,212	0.54	212	0.85	0.06	0.94
	0.20	0.14	0.0 212,209,0	0.49	0.03	0.03 212,68,68			1.00	0.04	0.96
84	0.08	0.11	0.0 233,236,0	0.49	6.47e-04	0.01212,237,236	0.54	212	0.85	0.06	0.94
	0.20	0.13	0.0 212,209,0	0.49	0.02	0.02 212,68,68			1.00	0.04	0.96
85	0.08	0.11	0.0 233,236,0	0.49	4.43e-03	0.01212,69,236	0.54	212	0.85	0.06	0.94
	0.25	0.17	0.0 212,209,0	0.49	0.02	0.02 212,68,68			1.00	0.04	0.96
86	0.12	0.15	0.0 209,212,0	0.43	3.83e-03	0.02212,69,212	0.50	212	0.85	0.06	0.94
	0.20	0.14	0.0 212,209,0	0.43	0.01	0.01 212,68,68			1.00	0.04	0.96
87	0.07	0.10	0.0 237,240,0	0.42	4.43e-03	0.01209,69,240	0.50	209	0.85	0.06	0.94
	0.25	0.17	0.0 212,209,0	0.42	0.01	0.01 209,68,68			1.00	0.04	0.96
88	0.07	0.10	0.0 233,236,0	0.25	1.92e-03	0.01210,68,236	0.39	210	0.85	0.06	0.94
	0.20	0.13	0.0 212,209,0	0.25	0.02	0.02 210,69,69			1.00	0.04	0.96
89	0.07	0.10	0.0 233,236,0	0.19	7.70e-03	0.01212,69,236	0.34	212	0.85	0.06	0.94
	0.25	0.17	0.0 212,209,0	0.19	0.02	0.02 212,69,69			1.00	0.04	0.96
90	0.06	0.09	0.0 233,236,0	0.18	1.92e-03	0.01210,68,236	0.33	210	0.85	0.06	0.94
	0.05	0.03	0.0 212,209,0	0.18	6.22e-03	6.22e-03 210,72,72			1.00	0.04	0.96
91	0.06	0.09	0.0 233,236,0	0.13	7.70e-03	0.01 212,69,68	0.28	212	0.85	0.06	0.94
	0.05	0.03	0.0 212,209,0	0.13	6.22e-03	6.22e-03 212,72,72			1.00	0.04	0.96
92	0.05	0.08	0.0 237,240,0	0.08	7.70e-03	0.01 209,69,68	0.22	209	0.85	0.06	0.94
	0.25	0.17	0.0 212,209,0	0.08	0.01	0.01 209,68,68			1.00	0.04	0.96
93	0.05	0.07	0.0 237,240,0	0.08	7.70e-03	0.01 209,69,68	0.22	209	0.85	0.06	0.94
	0.05	0.03	0.0 212,209,0	0.08	3.19e-03	3.19e-03 209,68,68			1.00	0.04	0.96
115	0.11	0.14	0.0 233,236,0	0.18	6.42e-03	0.02209,69,236	0.32	209	0.85	0.06	0.94
	0.05	0.03	0.0 209,212,0	0.18	0.02	0.02 209,68,68			1.00	0.04	0.96
116	0.11	0.14	0.0 233,236,0	0.16	6.42e-03	0.02209,69,236	0.31	209	0.85	0.06	0.94
	0.02	0.01	0.0 68,69,0	0.16	5.60e-03	5.60e-03 209,68,68			1.00	0.04	0.96
117	0.09	0.12	0.0 233,236,0	0.25	3.09e-03	0.01209,69,236	0.38	209	0.85	0.06	0.94
	0.14	0.09	0.0 209,212,0	0.25	0.02	0.02 209,68,68			1.00	0.04	0.96
118	0.08	0.11	0.0 233,236,0	0.45	1.19e-03	0.01209,69,236	0.52	209	0.85	0.06	0.94
	0.14	0.09	0.0 209,212,0	0.45	0.02	0.02 209,68,68			1.00	0.04	0.96
119	0.06	0.07	0.0 215,214,0	0.18	0.01	0.01 209,69,68	0.33	209	0.85	0.06	0.94
	0.04	0.03	0.0 209,212,0	0.18	7.11e-03	7.11e-03 209,68,68			1.00	0.04	0.96
120	0.06	0.07	0.0 215,214,0	0.16	0.01	0.01 209,69,68	0.31	209	0.85	0.06	0.94
	6.28e-03	4.18e-03	0.0 209,212,0	0.16	1.33e-03	1.33e-03 209,67,67			1.00	0.04	0.96
121	0.06	0.07	0.0 215,214,0	0.25	6.11e-03	0.01 209,69,68	0.38	209	0.85	0.06	0.94
	0.09	0.06	0.0 209,212,0	0.25	0.01	0.01 209,68,68			1.00	0.04	0.96
122	0.06	0.07	0.0 215,214,0	0.39	2.67e-03	0.01 209,69,68	0.48	209	0.85	0.06	0.94
	0.09	0.06	0.0 209,212,0	0.39	0.01	0.01 209,68,68			1.00	0.04	0.96
123	0.11	0.11	0.0 212,209,0	0.20	0.01	0.02 209,69,68	0.34	209	0.85	0.06	0.94
	0.02	0.02	0.0 209,212,0	0.20	1.89e-03	1.89e-03 209,71,71			1.00	0.04	0.96
124	0.10	0.10	0.0 212,209,0	0.16	0.01	0.02 209,69,68	0.31	209	0.85	0.06	0.94
	2.93e-03	2.00e-03	0.0 217,220,0	0.16	1.61e-03	1.61e-03 209,68,68			1.00	0.04	0.96
125	0.11	0.11	0.0 212,209,0	0.26	8.86e-03	0.02 209,69,68	0.39	209	0.85	0.06	0.94
	0.06	0.04	0.0 209,212,0	0.26	3.04e-03	3.04e-03 209,72,72			1.00	0.04	0.96
126	0.11	0.11	0.0 212,209,0	0.35	4.11e-03	0.02 209,69,68	0.45	209	0.85	0.06	0.94
	0.06	0.04	0.0 209,212,0	0.35	3.41e-03	3.41e-03 209,68,68			1.00	0.04	0.96
127	0.31	0.29	0.0 212,209,0	0.20	0.02	0.04209,68,209	0.34	209	0.85	0.06	0.94
	8.66e-03	5.91e-03	0.0 209,212,0	0.20	1.61e-03	1.61e-03 209,68,68			1.00	0.04	0.96
128	0.31	0.29	0.0 212,209,0	0.16	0.02	0.04209,68,209	0.31	209	0.85	0.06	0.94
	2.66e-03	1.90e-03	0.0 212,209,0	0.16	1.61e-03	1.61e-03 209,68,68			1.00	0.04	0.96
129	0.27	0.25	0.0 212,209,0	0.26	0.01	0.03209,68,209	0.39	209	0.85	0.06	0.94
	0.03	0.02	0.0 209,212,0	0.26	1.10e-03	1.10e-03 209,68,68			1.00	0.04	0.96
130	0.22	0.21	0.0 212,209,0	0.34	5.51e-03	0.02209,68,209	0.45	209	0.85	0.06	0.94
	0.03	0.02	0.0 209,212,0	0.34	1.18e-03	1.18e-03 209,68,68			1.00	0.04	0.96
131	0.31	0.29	0.0 212,209,0	0.13	0.02	0.04209,68,209	0.28	209	0.85	0.06	0.94
	2.66e-03	1.90e-03	0.0 212,209,0	0.13	1.50e-03	1.50e-03 209,68,68			1.00	0.04	0.96
132	0.31	0.29	0.0 212,209,0	0.13	0.02	0.04209,68,209	0.28	209	0.85	0.06	0.94
	2.66e-03	1.90e-03	0.0 212,209,0	0.13	1.50e-03	1.50e-03 209,68,68			1.00	0.04	0.96
133	0.27	0.25	0.0 212,209,0	0.14	0.01	0.03209,68,209	0.29	209	0.85	0.06	0.94
	8.26e-03	5.60e-03	0.0 209,212,0	0.14	1.10e-03	1.10e-03 209,68,68			1.00	0.04	0.96
134	0.22	0.21	0.0 212,209,0	0.18	5.51e-03	0.02209,68,209	0.33	209	0.85	0.06	0.94
	8.26e-03	5.60e-03	0.0 209,212,0	0.18	1.18e-03	1.18e-03 209,68,68			1.00	0.04	0.96
135	0.07	0.10	0.0 237,240,0	0.45	1.58e-03	0.01209,69,240	0.52	209	0.85	0.06	0.94

	0.10	0.06	0.0 209,212,0	0.45	0.02	0.02 209,68,68			1.00	0.04	0.96
136	0.06	0.09	0.0 237,240,0	0.45	3.51e-03	9.48e-03209,69,240	0.52	209	0.85	0.06	0.94
	0.14	0.09	0.0 212,209,0	0.45	0.02	0.02 209,68,68			1.00	0.04	0.96
137	0.06	0.07	0.0 215,214,0	0.39	3.32e-03	0.01 209,69,68	0.48	209	0.85	0.06	0.94
	0.06	0.04	0.0 209,212,0	0.39	0.01	0.01 209,68,68			1.00	0.04	0.96
138	0.06	0.07	0.0 215,214,0	0.39	6.68e-03	0.01 209,69,68	0.48	209	0.85	0.06	0.94
	0.09	0.06	0.0 212,209,0	0.39	9.87e-03	9.87e-03 209,68,68			1.00	0.04	0.96
139	0.12	0.12	0.0 212,209,0	0.35	5.02e-03	0.02 209,69,68	0.45	209	0.85	0.06	0.94
	0.03	0.02	0.0 209,212,0	0.35	3.41e-03	3.41e-03 209,68,68			1.00	0.04	0.96
140	0.12	0.12	0.0 212,209,0	0.34	9.50e-03	0.02 209,69,68	0.45	209	0.85	0.06	0.94
	0.05	0.04	0.0 212,209,0	0.34	2.98e-03	2.98e-03 209,68,68			1.00	0.04	0.96
141	0.18	0.16	0.0 212,209,0	0.34	6.75e-03	0.02 209,68,68	0.45	209	0.85	0.06	0.94
	0.02	0.01	0.0 209,212,0	0.34	1.18e-03	1.18e-03 209,68,68			1.00	0.04	0.96
142	0.12	0.12	0.0 212,209,0	0.34	0.01	0.02 209,68,68	0.45	209	0.85	0.06	0.94
	0.02	0.02	0.0 212,209,0	0.34	1.12e-03	1.12e-03 209,68,68			1.00	0.04	0.96
143	0.18	0.16	0.0 212,209,0	0.19	6.75e-03	0.02 212,68,68	0.33	212	0.85	0.06	0.94
	6.04e-03	4.20e-03	0.0 209,212,0	0.19	1.18e-03	1.18e-03 212,68,68			1.00	0.04	0.96
144	0.12	0.11	0.0 212,209,0	0.19	0.01	0.02 212,68,68	0.33	212	0.85	0.06	0.94
	5.33e-03	4.08e-03	0.0 212,209,0	0.19	1.12e-03	1.12e-03 212,68,68			1.00	0.04	0.96
145	0.05	0.08	0.0 237,240,0	0.25	6.49e-03	9.38e-03 209,69,68	0.39	209	0.85	0.06	0.94
	0.14	0.09	0.0 212,209,0	0.25	0.02	0.02 209,69,69			1.00	0.04	0.96
146	0.04	0.07	0.0 235,234,0	0.19	6.49e-03	9.38e-03 209,69,68	0.33	209	0.85	0.06	0.94
	0.04	0.03	0.0 212,209,0	0.19	5.47e-03	5.47e-03 209,72,72			1.00	0.04	0.96
147	0.06	0.07	0.0 215,214,0	0.25	0.01	0.01 209,69,68	0.39	209	0.85	0.06	0.94
	0.09	0.06	0.0 212,209,0	0.25	6.78e-03	6.78e-03 209,68,68			1.00	0.04	0.96
148	0.06	0.06	0.0 215,214,0	0.19	0.01	0.01 209,69,68	0.33	209	0.85	0.06	0.94
	0.03	0.02	0.0 212,209,0	0.19	1.51e-03	1.51e-03 209,71,71			1.00	0.04	0.96
149	0.13	0.13	0.0 212,209,0	0.25	0.01	0.02 209,69,68	0.39	209	0.85	0.06	0.94
	0.05	0.04	0.0 212,209,0	0.25	1.83e-03	1.83e-03 209,68,68			1.00	0.04	0.96
150	0.13	0.13	0.0 212,209,0	0.19	0.01	0.02 209,69,68	0.33	209	0.85	0.06	0.94
	0.01	8.31e-03	0.0 228,225,0	0.19	1.68e-03	1.68e-03 209,68,68			1.00	0.04	0.96
151	0.13	0.13	0.0 212,209,0	0.25	0.02	0.02 209,68,68	0.39	209	0.85	0.06	0.94
	0.02	0.02	0.0 212,209,0	0.25	1.68e-03	1.68e-03 209,68,68			1.00	0.04	0.96
152	0.13	0.13	0.0 212,209,0	0.19	0.02	0.02 209,68,68	0.33	209	0.85	0.06	0.94
	8.86e-03	6.61e-03	0.0 210,211,0	0.19	1.68e-03	1.68e-03 209,68,68			1.00	0.04	0.96
153	0.07	0.07	0.0 212,209,0	0.16	0.02	0.02 212,68,68	0.30	212	0.85	0.06	0.94
	8.86e-03	6.61e-03	0.0 210,211,0	0.16	1.10e-03	1.10e-03 212,68,68			1.00	0.04	0.96
154	0.03	0.03	0.0 212,209,0	0.15	0.02	0.02 212,68,68	0.30	212	0.85	0.06	0.94
	8.86e-03	6.61e-03	0.0 210,211,0	0.15	6.68e-04	6.68e-04 212,69,69			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.31	0.29	0.0	0.49	0.03	0.04	0.54

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
6	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
33	0.02	0.02	0.0 209,212,0		0.18	8.48e-04	1.97e-03	209,68,212	0.33	209	0.53	0.09	0.91
	0.07	0.06	0.0 212,209,0		0.18	0.01	0.01	209,68,68			1.00	0.04	0.96
34	2.30e-03	2.06e-03	0.0 209,212,0		0.16	5.80e-04	7.99e-04	209,68,68	0.31	209	0.53	0.09	0.91
	0.07	0.05	0.0 212,209,0		0.16	0.01	0.01	209,68,68			1.00	0.04	0.96
35	0.02	0.02	0.0 209,212,0		0.18	7.75e-03	7.75e-03	209,69,69	0.33	209	0.53	0.09	0.91
	0.09	0.06	0.0 212,209,0		0.18	0.01	0.01	209,66,66			1.00	0.04	0.96
36	6.64e-03	4.67e-03	0.0 209,212,0		0.15	7.75e-03	7.75e-03	209,69,69	0.30	209	0.53	0.09	0.91
	0.09	0.06	0.0 212,209,0		0.15	0.01	0.01	209,66,66			1.00	0.04	0.96
78	6.16e-03	4.99e-03	0.0 209,212,0		0.20	2.29e-03	3.28e-03	212,68,68	0.34	212	0.53	0.09	0.91
	0.11	0.08	0.0 209,212,0		0.20	2.62e-03	2.62e-03	212,68,68			1.00	0.04	0.96
79	6.16e-03	4.99e-03	0.0 209,212,0		0.17	5.14e-04	7.34e-04	212,69,68	0.31	212	0.53	0.09	0.91
	0.11	0.08	0.0 209,212,0		0.17	2.55e-03	2.55e-03	212,69,69			1.00	0.04	0.96
80	0.13	0.10	0.0 209,212,0		0.22	8.66e-03	0.01	212,69,212	0.36	212	0.53	0.09	0.91
	0.11	0.08	0.0 209,212,0		0.22	6.99e-03	6.99e-03	212,69,69			1.00	0.04	0.96
81	0.13	0.10	0.0 209,212,0		0.22	8.66e-03	0.01	212,69,212	0.36	212	0.53	0.09	0.91
	0.11	0.08	0.0 209,212,0		0.22	6.99e-03	6.99e-03	212,69,69			1.00	0.04	0.96
94	0.01	8.77e-03	0.0 209,212,0		0.20	2.29e-03	3.28e-03	212,68,68	0.34	212	0.53	0.09	0.91
	0.11	0.08	0.0 209,212,0		0.20	5.37e-03	5.37e-03	212,69,69			1.00	0.04	0.96

95	6.16e-03	4.99e-03	0.0	209,212,0	0.17	1.31e-03	1.43e-03	212,68,68	0.31	212	0.53	0.09	0.91
	0.11	0.08	0.0	209,212,0	0.17	5.37e-03	5.37e-03	212,69,69			1.00	0.04	0.96
96	0.13	0.10	0.0	209,212,0	0.22	8.66e-03	0.01	212,69,212	0.36	212	0.53	0.09	0.91
	0.11	0.08	0.0	209,212,0	0.22	6.99e-03	6.99e-03	212,69,69			1.00	0.04	0.96
97	0.13	0.10	0.0	209,212,0	0.22	8.66e-03	0.01	212,69,212	0.36	212	0.53	0.09	0.91
	0.11	0.08	0.0	209,212,0	0.22	6.99e-03	6.99e-03	212,69,69			1.00	0.04	0.96
98	0.02	0.01	0.0	209,212,0	0.16	1.31e-03	2.63e-03	212,68,68	0.31	212	0.53	0.09	0.91
	0.02	0.02	0.0	209,212,0	0.16	7.99e-03	7.99e-03	212,69,69			1.00	0.04	0.96
99	4.37e-03	3.60e-03	0.0	209,212,0	0.15	1.31e-03	1.43e-03	212,68,68	0.30	212	0.53	0.09	0.91
	0.02	0.02	0.0	209,212,0	0.15	7.99e-03	7.99e-03	212,69,69			1.00	0.04	0.96
100	0.08	0.06	0.0	209,212,0	0.16	3.73e-03	7.10e-03	212,68,212	0.31	212	0.53	0.09	0.91
	0.02	0.01	0.0	209,68,0	0.16	4.10e-03	4.10e-03	212,69,69			1.00	0.04	0.96
101	0.08	0.06	0.0	209,212,0	0.11	3.73e-03	7.10e-03	212,68,212	0.25	212	0.53	0.09	0.91
	0.02	0.01	0.0	209,212,0	0.11	4.10e-03	4.10e-03	212,69,69			1.00	0.04	0.96
102	0.02	0.02	0.0	209,212,0	0.18	1.14e-03	2.63e-03	209,68,68	0.33	209	0.53	0.09	0.91
	0.07	0.06	0.0	212,209,0	0.18	0.01	0.01	209,68,68			1.00	0.04	0.96
103	3.37e-03	2.85e-03	0.0	209,212,0	0.16	1.05e-03	1.32e-03	209,68,68	0.31	209	0.53	0.09	0.91
	0.07	0.05	0.0	212,209,0	0.16	0.01	0.01	209,68,68			1.00	0.04	0.96
104	0.05	0.03	0.0	209,212,0	0.18	7.75e-03	7.75e-03	209,69,69	0.33	209	0.53	0.09	0.91
	0.09	0.06	0.0	212,209,0	0.18	0.01	0.01	209,66,66			1.00	0.04	0.96
105	0.05	0.03	0.0	209,212,0	0.15	7.75e-03	7.75e-03	209,69,69	0.30	209	0.53	0.09	0.91
	0.09	0.06	0.0	212,209,0	0.15	0.01	0.01	209,66,66			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.13	0.10	0.0	0.22	0.01	0.01	0.36

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
7	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
42	7.83e-03	5.56e-03	0.0	213,216,0	0.17	4.63e-03	4.63e-03	212,69,69	0.32	212	0.29	0.16	0.84
	0.06	0.05	0.0	209,212,0	0.17	5.24e-03	5.24e-03	212,69,69			1.00	0.04	0.96
47	0.03	0.02	0.0	212,209,0	0.23	4.63e-03	4.63e-03	212,69,69	0.37	212	0.29	0.16	0.84
	0.06	0.06	0.0	209,212,0	0.23	9.89e-03	9.89e-03	212,68,68			1.00	0.04	0.96
48	0.03	0.02	0.0	212,209,0	0.23	1.61e-03	3.05e-03	212,68,68	0.37	212	0.29	0.16	0.84
	0.06	0.06	0.0	209,212,0	0.23	9.89e-03	9.89e-03	212,68,68			1.00	0.04	0.96
87	0.15	0.11	0.0	212,209,0	0.18	6.54e-03	0.01	209,68,209	0.33	209	0.29	0.16	0.84
	0.03	0.03	0.0	215,214,0	0.18	6.07e-03	6.07e-03	209,69,69			1.00	0.04	0.96
92	0.15	0.11	0.0	212,209,0	0.20	6.54e-03	0.01	209,68,209	0.34	209	0.29	0.16	0.84
	0.03	0.05	0.0	215,234,0	0.20	6.07e-03	6.07e-03	209,69,69			1.00	0.04	0.96
93	0.01	7.26e-03	0.0	209,212,0	0.20	2.73e-03	2.73e-03	209,68,68	0.34	209	0.29	0.16	0.84
	0.02	0.05	0.0	235,234,0	0.20	4.66e-03	4.66e-03	209,69,69			1.00	0.04	0.96
106	0.15	0.11	0.0	212,209,0	0.22	6.54e-03	0.01	212,68,209	0.36	212	0.29	0.16	0.84
	0.03	0.05	0.0	215,234,0	0.22	6.07e-03	6.07e-03	212,69,69			1.00	0.04	0.96
107	0.15	0.11	0.0	212,209,0	0.18	6.54e-03	0.01	209,68,209	0.33	209	0.29	0.16	0.84
	0.03	0.03	0.0	215,214,0	0.18	6.07e-03	6.07e-03	209,69,69			1.00	0.04	0.96
108	4.32e-03	3.87e-03	0.0	212,209,0	0.22	8.28e-04	3.22e-03	212,68,68	0.36	212	0.29	0.16	0.84
	5.69e-03	0.01	0.0	235,234,0	0.22	4.66e-03	4.66e-03	212,69,69			1.00	0.04	0.96
109	0.10	0.07	0.0	212,209,0	0.23	2.78e-03	7.57e-03	212,68,209	0.37	212	0.29	0.16	0.84
	0.01	0.01	0.0	212,209,0	0.23	2.45e-03	2.45e-03	212,69,69			1.00	0.04	0.96
110	0.10	0.07	0.0	212,209,0	0.15	2.78e-03	7.57e-03	212,68,209	0.29	212	0.29	0.16	0.84
	0.01	0.01	0.0	212,209,0	0.15	1.16e-03	1.16e-03	212,69,69			1.00	0.04	0.96
111	0.01	9.08e-03	0.0	212,209,0	0.23	1.65e-03	3.69e-03	212,68,68	0.37	212	0.29	0.16	0.84
	4.34e-03	5.58e-03	0.0	215,214,0	0.23	2.45e-03	2.45e-03	212,69,69			1.00	0.04	0.96
112	0.05	0.03	0.0	212,209,0	0.23	4.63e-03	4.63e-03	212,69,69	0.37	212	0.29	0.16	0.84
	0.06	0.06	0.0	209,212,0	0.23	9.89e-03	9.89e-03	212,68,68			1.00	0.04	0.96
113	0.05	0.03	0.0	212,209,0	0.17	4.63e-03	4.63e-03	212,69,69	0.32	212	0.29	0.16	0.84
	0.06	0.05	0.0	209,212,0	0.17	5.24e-03	5.24e-03	212,69,69			1.00	0.04	0.96
114	0.01	9.08e-03	0.0	212,209,0	0.23	1.65e-03	3.69e-03	212,68,68	0.37	212	0.29	0.16	0.84
	6.15e-03	9.26e-03	0.0	209,212,0	0.23	5.11e-03	5.11e-03	212,69,69			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.15	0.11	0.0	0.23	9.89e-03	0.01	0.37

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
8	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.99	163.8	177	0.59	97.3	177	0.99	1524.4	8.381e+06	212

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
155	0.31	0.29	0.0	209,212,0	0.21	0.02	0.04	209,69,212	0.35	209	0.85	0.06	0.94
	4.01e-03	2.68e-03	0.0	209,212,0	0.21	4.55e-04	4.55e-04	209,225,225			1.00	0.04	0.96
156	0.31	0.29	0.0	209,212,0	0.21	0.02	0.04	209,69,212	0.35	209	0.85	0.06	0.94
	5.46e-03	3.64e-03	0.0	209,212,0	0.21	4.55e-04	4.55e-04	209,225,225			1.00	0.04	0.96
157	0.31	0.29	0.0	209,212,0	0.27	0.02	0.04	209,69,212	0.40	209	0.85	0.06	0.94
	7.65e-03	5.08e-03	0.0	209,212,0	0.27	4.79e-04	4.79e-04	209,225,225			1.00	0.04	0.96
158	0.31	0.29	0.0	209,212,0	0.25	0.02	0.04	209,69,212	0.38	209	0.85	0.06	0.94
	5.56e-03	3.65e-03	0.0	209,212,0	0.25	4.79e-04	4.79e-04	209,225,225			1.00	0.04	0.96
159	0.26	0.24	0.0	209,212,0	0.17	0.02	0.03	209,69,65	0.32	209	0.85	0.06	0.94
	5.46e-03	3.64e-03	0.0	209,212,0	0.17	3.08e-04	3.08e-04	209,66,66			1.00	0.04	0.96
160	0.26	0.24	0.0	209,212,0	0.29	0.02	0.03	209,69,65	0.41	209	0.85	0.06	0.94
	7.65e-03	5.08e-03	0.0	209,212,0	0.29	3.89e-04	3.89e-04	209,70,70			1.00	0.04	0.96
161	0.21	0.19	0.0	209,212,0	0.15	7.31e-03	0.03	209,69,65	0.30	209	0.85	0.06	0.94
	3.77e-03	2.77e-03	0.0	71,66,0	0.15	1.80e-04	1.80e-04	209,68,68			1.00	0.04	0.96
162	0.21	0.19	0.0	209,212,0	0.29	7.31e-03	0.03	209,69,65	0.41	209	0.85	0.06	0.94
	3.77e-03	2.77e-03	0.0	71,66,0	0.29	3.06e-04	3.06e-04	209,68,68			1.00	0.04	0.96
163	0.11	0.09	0.0	209,212,0	0.27	0.02	0.03	209,66,65	0.40	209	0.85	0.06	0.94
	7.65e-03	5.08e-03	0.0	209,212,0	0.27	4.86e-04	4.86e-04	209,225,225			1.00	0.04	0.96
164	0.10	0.09	0.0	209,212,0	0.25	0.02	0.03	209,66,65	0.38	209	0.85	0.06	0.94
	5.56e-03	3.65e-03	0.0	209,212,0	0.25	4.86e-04	4.86e-04	209,225,225			1.00	0.04	0.96
165	0.11	0.10	0.0	209,212,0	0.29	0.02	0.03	209,68,65	0.41	209	0.85	0.06	0.94
	7.65e-03	5.08e-03	0.0	209,212,0	0.29	3.89e-04	3.89e-04	209,70,70			1.00	0.04	0.96
166	0.12	0.10	0.0	209,212,0	0.29	7.25e-03	0.03	209,68,65	0.41	209	0.85	0.06	0.94
	2.96e-03	2.18e-03	0.0	71,66,0	0.29	3.06e-04	3.06e-04	209,68,68			1.00	0.04	0.96
167	0.07	0.05	0.0	209,212,0	0.27	0.02	0.03	209,69,69	0.40	209	0.85	0.06	0.94
	3.11e-03	2.62e-03	0.0	212,209,0	0.27	4.86e-04	4.86e-04	209,225,225			1.00	0.04	0.96
168	0.07	0.05	0.0	209,212,0	0.25	0.02	0.03	209,69,69	0.38	209	0.85	0.06	0.94
	1.60e-03	1.37e-03	0.0	212,209,0	0.25	4.86e-04	4.86e-04	209,225,225			1.00	0.04	0.96
169	0.08	0.05	0.0	68,212,0	0.29	0.02	0.03	209,69,69	0.41	209	0.85	0.06	0.94
	3.11e-03	2.62e-03	0.0	212,209,0	0.29	1.78e-04	1.78e-04	209,68,68			1.00	0.04	0.96
170	0.08	0.05	0.0	68,212,0	0.30	7.17e-03	0.03	209,69,69	0.42	209	0.85	0.06	0.94
	2.41e-03	2.23e-03	0.0	212,209,0	0.30	1.78e-04	1.78e-04	209,68,68			1.00	0.04	0.96
171	0.07	0.03	0.0	68,69,0	0.27	0.02	0.02	209,69,69	0.40	209	0.85	0.06	0.94
	6.71e-03	5.40e-03	0.0	212,209,0	0.27	4.86e-04	4.86e-04	209,225,225			1.00	0.04	0.96
172	0.07	0.03	0.0	212,209,0	0.25	0.02	0.02	209,69,69	0.38	209	0.85	0.06	0.94
	4.21e-03	3.40e-03	0.0	212,209,0	0.25	4.86e-04	4.86e-04	209,225,225			1.00	0.04	0.96
173	0.09	0.04	0.0	68,69,0	0.29	0.02	0.02	209,69,69	0.41	209	0.85	0.06	0.94
	6.71e-03	5.40e-03	0.0	212,209,0	0.29	2.73e-04	2.73e-04	209,68,68			1.00	0.04	0.96
174	0.10	0.04	0.0	68,69,0	0.30	7.18e-03	7.18e-03	209,69,69	0.42	209	0.85	0.06	0.94
	4.80e-03	4.21e-03	0.0	212,209,0	0.30	2.33e-04	2.33e-04	209,68,68			1.00	0.04	0.96
175	0.15	0.10	0.0	212,209,0	0.26	0.02	0.02	209,68,68	0.39	209	0.85	0.06	0.94
	9.99e-03	7.57e-03	0.0	212,209,0	0.26	4.82e-04	4.82e-04	209,225,225			1.00	0.04	0.96
176	0.14	0.09	0.0	212,209,0	0.24	0.02	0.02	209,68,68	0.38	209	0.85	0.06	0.94
	6.63e-03	5.03e-03	0.0	212,209,0	0.24	4.82e-04	4.82e-04	209,225,225			1.00	0.04	0.96
177	0.16	0.10	0.0	212,209,0	0.26	0.02	0.02	212,68,68	0.39	212	0.85	0.06	0.94
	9.99e-03	7.57e-03	0.0	212,209,0	0.26	4.04e-04	4.04e-04	212,68,68			1.00	0.04	0.96
178	0.16	0.10	0.0	212,209,0	0.26	7.27e-03	0.01	212,72,209	0.39	212	0.85	0.06	0.94
	4.80e-03	4.21e-03	0.0	212,209,0	0.26	2.81e-04	2.81e-04	212,68,68			1.00	0.04	0.96
179	0.16	0.14	0.0	209,212,0	0.15	9.02e-03	0.03	209,68,65	0.30	209	0.85	0.06	0.94
	3.77e-03	2.77e-03	0.0	71,66,0	0.15	2.53e-04	2.53e-04	209,68,68			1.00	0.04	0.96
180	0.16	0.14	0.0	209,212,0	0.29	9.02e-03	0.03	209,68,65	0.41	209	0.85	0.06	0.94
	5.12e-03	3.29e-03	0.0	209,212,0	0.29	3.34e-04	3.34e-04	209,68,68			1.00	0.04	0.96
181	0.11	0.10	0.0	209,212,0	0.15	0.02	0.03	209,68,65	0.30	209	0.85	0.06	0.94
	4.78e-03	3.48e-03	0.0	209,212,0	0.15	4.75e-04	4.75e-04	209,68,68			1.00	0.04	0.96
182	0.13	0.11	0.0	209,212,0	0.28	0.02	0.03	209,68,65	0.40	209	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.28	4.75e-04	4.75e-04	209,68,68			1.00	0.04	0.96
183	0.12	0.10	0.0	209,212,0	0.29	8.80e-03	0.03	209,69,65	0.41	209	0.85	0.06	0.94
	0.01	6.98e-03	0.0	209,212,0	0.29	3.34e-04	3.34e-04	209,68,68			1.00	0.04	0.96
184	0.13	0.11	0.0	209,212,0	0.28	0.02	0.03	209,68,69	0.40	209	0.85	0.06	0.94
	0.06	0.04	0.0	209,212,0	0.28	3.34e-04	3.34e-04	209,68,68			1.00	0.04	0.96
185	0.08	0.05	0.0	68,212,0	0.31	8.73e-03	0.03	209,69,69	0.43	209	0.85	0.06	0.94
	0.01	6.98e-03	0.0	209,212,0	0.31	1.98e-04	1.98e-04	209,227,227			1.00	0.04	0.96

186	0.08	0.05	0.0	68,212,0	0.31	0.02	0.03	209,69,69	0.43	209	0.85	0.06	0.94
	0.10	0.07	0.0	209,212,0	0.31	4.30e-04	4.30e-04	209,235,235			1.00	0.04	0.96
187	0.10	0.04	0.0	68,69,0	0.31	8.83e-03	8.83e-03	209,68,68	0.43	209	0.85	0.06	0.94
	7.44e-03	5.37e-03	0.0	209,212,0	0.31	2.34e-04	2.34e-04	209,68,68			1.00	0.04	0.96
188	0.09	0.04	0.0	68,69,0	0.31	0.02	0.02	209,69,69	0.43	209	0.85	0.06	0.94
	0.14	0.09	0.0	209,212,0	0.31	4.30e-04	4.30e-04	209,235,235			1.00	0.04	0.96
189	0.17	0.11	0.0	212,209,0	0.25	8.83e-03	0.01	212,68,209	0.39	212	0.85	0.06	0.94
	0.04	0.02	0.0	209,212,0	0.25	3.32e-04	3.32e-04	212,68,68			1.00	0.04	0.96
190	0.18	0.11	0.0	212,209,0	0.28	0.02	0.02	209,69,69	0.41	209	0.85	0.06	0.94
	0.14	0.09	0.0	209,212,0	0.28	5.10e-04	5.10e-04	209,68,68			1.00	0.04	0.96
191	0.07	0.06	0.0	209,212,0	0.14	0.02	0.03	209,68,65	0.29	209	0.85	0.06	0.94
	5.75e-03	4.89e-03	0.0	72,65,0	0.14	3.36e-03	3.36e-03	209,69,69			1.00	0.04	0.96
192	0.13	0.12	0.0	209,212,0	0.22	0.02	0.03	209,68,65	0.36	209	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.22	3.36e-03	3.36e-03	209,69,69			1.00	0.04	0.96
193	0.03	0.03	0.0	209,212,0	0.12	0.02	0.03	209,68,65	0.26	209	0.85	0.06	0.94
	5.75e-03	4.89e-03	0.0	72,65,0	0.12	3.36e-03	3.36e-03	209,69,69			1.00	0.04	0.96
194	0.13	0.12	0.0	209,212,0	0.14	0.02	0.03	209,68,65	0.28	209	0.85	0.06	0.94
	0.02	0.01	0.0	209,212,0	0.14	3.36e-03	3.36e-03	209,69,69			1.00	0.04	0.96
195	0.13	0.12	0.0	209,212,0	0.23	0.02	0.03	209,68,69	0.37	209	0.85	0.06	0.94
	0.06	0.04	0.0	209,212,0	0.23	9.34e-04	9.34e-04	209,227,227			1.00	0.04	0.96
196	0.13	0.12	0.0	209,212,0	0.14	0.02	0.03	209,68,69	0.28	209	0.85	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.14	9.34e-04	9.34e-04	209,227,227			1.00	0.04	0.96
197	0.06	0.04	0.0	68,212,0	0.30	0.02	0.02	209,69,69	0.42	209	0.85	0.06	0.94
	0.10	0.07	0.0	209,212,0	0.30	9.34e-04	9.34e-04	209,227,227			1.00	0.04	0.96
198	0.05	0.04	0.0	209,212,0	0.14	0.02	0.02	209,69,69	0.29	209	0.85	0.06	0.94
	0.08	0.05	0.0	209,212,0	0.14	9.34e-04	9.34e-04	209,227,227			1.00	0.04	0.96
199	0.07	0.02	0.0	68,69,0	0.30	0.02	0.02	209,69,69	0.42	209	0.85	0.06	0.94
	0.14	0.09	0.0	209,212,0	0.30	2.53e-03	2.53e-03	209,227,227			1.00	0.04	0.96
200	0.05	0.02	0.0	52,212,0	0.14	0.02	0.02	209,69,69	0.29	209	0.85	0.06	0.94
	0.14	0.08	0.0	209,212,0	0.14	2.53e-03	2.53e-03	209,227,227			1.00	0.04	0.96
201	0.19	0.13	0.0	212,209,0	0.28	0.02	0.02	209,69,69	0.41	209	0.85	0.06	0.94
	0.14	0.09	0.0	209,212,0	0.28	2.53e-03	2.53e-03	209,227,227			1.00	0.04	0.96
202	0.19	0.13	0.0	212,209,0	0.03	0.02	0.02	209,69,69	0.14	209	0.85	0.06	0.94
	0.14	0.08	0.0	209,212,0	0.03	2.53e-03	2.53e-03	209,227,227			1.00	0.04	0.96
203	0.38	0.32	0.0	212,209,0	0.26	0.02	0.04	209,68,209	0.39	209	0.85	0.06	0.94
	9.99e-03	7.57e-03	0.0	212,209,0	0.26	4.68e-04	4.68e-04	209,225,225			1.00	0.04	0.96
204	0.38	0.32	0.0	212,209,0	0.24	0.02	0.04	209,68,209	0.38	209	0.85	0.06	0.94
	6.63e-03	5.03e-03	0.0	212,209,0	0.24	4.68e-04	4.68e-04	209,225,225			1.00	0.04	0.96
205	0.32	0.26	0.0	212,209,0	0.26	0.02	0.03	212,68,209	0.39	212	0.85	0.06	0.94
	9.99e-03	7.57e-03	0.0	212,209,0	0.26	4.04e-04	4.04e-04	212,68,68			1.00	0.04	0.96
206	0.27	0.21	0.0	212,209,0	0.26	7.33e-03	0.02	212,68,209	0.39	212	0.85	0.06	0.94
	2.88e-03	3.01e-03	0.0	212,209,0	0.26	2.81e-04	2.81e-04	212,68,68			1.00	0.04	0.96
207	0.38	0.32	0.0	212,209,0	0.20	0.02	0.04	212,68,209	0.34	212	0.85	0.06	0.94
	5.73e-03	4.16e-03	0.0	212,209,0	0.20	4.40e-04	4.40e-04	212,225,225			1.00	0.04	0.96
208	0.38	0.32	0.0	212,209,0	0.20	0.02	0.04	212,68,209	0.34	212	0.85	0.06	0.94
	4.22e-03	3.06e-03	0.0	212,209,0	0.20	4.40e-04	4.40e-04	212,225,225			1.00	0.04	0.96
209	0.32	0.26	0.0	212,209,0	0.16	0.02	0.03	212,68,209	0.30	212	0.85	0.06	0.94
	5.73e-03	4.16e-03	0.0	212,209,0	0.16	2.44e-04	2.44e-04	212,68,68			1.00	0.04	0.96
210	0.27	0.21	0.0	212,209,0	0.14	7.33e-03	0.02	212,68,209	0.28	212	0.85	0.06	0.94
	2.58e-03	2.45e-03	0.0	69,68,0	0.14	1.67e-04	1.67e-04	212,68,68			1.00	0.04	0.96
211	0.21	0.16	0.0	212,209,0	0.25	9.03e-03	0.02	212,69,209	0.39	212	0.85	0.06	0.94
	0.04	0.02	0.0	209,212,0	0.25	3.32e-04	3.32e-04	212,68,68			1.00	0.04	0.96
212	0.18	0.11	0.0	212,209,0	0.28	0.02	0.02	209,70,70	0.41	209	0.85	0.06	0.94
	0.07	0.04	0.0	212,209,0	0.28	5.10e-04	5.10e-04	209,68,68			1.00	0.04	0.96
213	0.21	0.16	0.0	212,209,0	0.16	9.03e-03	0.02	212,69,209	0.31	212	0.85	0.06	0.94
	0.01	8.40e-03	0.0	209,212,0	0.16	2.40e-04	2.40e-04	212,68,68			1.00	0.04	0.96
214	0.16	0.11	0.0	212,209,0	0.21	0.02	0.02	212,70,70	0.35	212	0.85	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.21	5.03e-04	5.03e-04	212,227,227			1.00	0.04	0.96
215	0.19	0.13	0.0	212,209,0	0.28	0.02	0.02	209,69,69	0.41	209	0.85	0.06	0.94
	0.08	0.05	0.0	212,209,0	0.28	2.89e-03	2.89e-03	209,69,69			1.00	0.04	0.96
216	0.19	0.13	0.0	212,209,0	0.08	0.02	0.02	212,69,69	0.22	212	0.85	0.06	0.94
	0.08	0.05	0.0	212,209,0	0.08	2.89e-03	2.89e-03	212,69,69			1.00	0.04	0.96
217	0.10	0.06	0.0	212,209,0	0.21	0.02	0.02	212,68,68	0.35	212	0.85	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.21	2.89e-03	2.89e-03	212,69,69			1.00	0.04	0.96
218	0.05	0.02	0.0	212,209,0	0.08	0.02	0.02	212,68,68	0.22	212	0.85	0.06	0.94
	0.01	8.24e-03	0.0	212,209,0	0.08	2.89e-03	2.89e-03	212,69,69			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.38	0.32	0.0	0.31	0.02	0.04	0.43

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
9	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.78	-14.4	180	0.77	-14.2	180	0.93	-643.8	3.005e+05	212

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
219	0.20	0.20	0.0	209,212,0	0.07	1.65e-03	0.02	212,234,212	0.20	212	0.85	0.06	0.94
	6.85e-05	1.72e-04	0.0	19,44,0	0.07	4.94e-04	4.94e-04	212,210,210			1.00	0.04	0.96
220	0.20	0.20	0.0	209,212,0	0.07	1.65e-03	0.02	212,234,212	0.20	212	0.85	0.06	0.94
	6.85e-05	1.72e-04	0.0	19,44,0	0.07	4.94e-04	4.94e-04	212,210,210			1.00	0.04	0.96
221	0.21	0.20	0.0	212,209,0	0.07	1.65e-03	0.02	212,225,209	0.20	212	0.85	0.06	0.94
	1.87e-04	1.72e-04	0.0	48,44,0	0.07	4.94e-04	4.94e-04	212,210,210			1.00	0.04	0.96
222	0.21	0.20	0.0	212,209,0	0.07	1.65e-03	0.02	212,225,209	0.20	212	0.85	0.06	0.94
	1.87e-04	1.72e-04	0.0	48,44,0	0.07	4.94e-04	4.94e-04	212,210,210			1.00	0.04	0.96
223	0.14	0.14	0.0	209,212,0	0.06	1.38e-03	0.02	212,234,212	0.20	212	0.85	0.06	0.94
	2.76e-05	4.93e-05	0.0	212,44,0	0.06	1.17e-04	1.17e-04	212,211,211			1.00	0.04	0.96
224	0.15	0.15	0.0	212,209,0	0.06	1.41e-03	0.02	212,225,209	0.20	212	0.85	0.06	0.94
	6.00e-05	4.93e-05	0.0	48,44,0	0.06	1.17e-04	1.17e-04	212,211,211			1.00	0.04	0.96
225	0.09	0.09	0.0	209,212,0	0.06	1.03e-03	0.01	212,234,212	0.20	212	0.85	0.06	0.94
	1.20e-04	9.25e-05	0.0	209,212,0	0.06	1.86e-05	1.86e-05	212,210,210			1.00	0.04	0.96
226	0.09	0.09	0.0	212,209,0	0.06	1.03e-03	0.01	212,234,209	0.20	212	0.85	0.06	0.94
	1.20e-04	9.25e-05	0.0	209,212,0	0.06	2.03e-05	2.03e-05	212,211,211			1.00	0.04	0.96
227	0.21	0.20	0.0	212,209,0	0.07	1.65e-03	0.02	212,225,209	0.20	212	0.85	0.06	0.94
	1.87e-04	8.95e-05	0.0	48,15,0	0.07	4.94e-04	4.94e-04	212,210,210			1.00	0.04	0.96
228	0.21	0.20	0.0	212,209,0	0.07	1.65e-03	0.02	212,225,209	0.20	212	0.85	0.06	0.94
	1.87e-04	8.95e-05	0.0	48,15,0	0.07	4.94e-04	4.94e-04	212,210,210			1.00	0.04	0.96
229	0.15	0.15	0.0	212,209,0	0.06	1.41e-03	0.02	212,225,209	0.20	212	0.85	0.06	0.94
	6.00e-05	2.47e-05	0.0	48,15,0	0.06	1.17e-04	1.17e-04	212,211,211			1.00	0.04	0.96
230	0.09	0.09	0.0	212,209,0	0.06	1.02e-03	0.01	212,225,209	0.20	212	0.85	0.06	0.94
	6.80e-05	6.15e-05	0.0	222,223,0	0.06	2.03e-05	2.03e-05	212,211,211			1.00	0.04	0.96
231	0.03	0.04	0.0	209,212,0	0.06	7.79e-04	4.95e-03	212,225,212	0.20	212	0.85	0.06	0.94
	4.72e-04	3.75e-04	0.0	212,209,0	0.06	5.66e-05	5.66e-05	212,215,215			1.00	0.04	0.96
232	0.03	0.04	0.0	212,209,0	0.06	7.79e-04	5.02e-03	212,225,209	0.20	212	0.85	0.06	0.94
	4.72e-04	3.75e-04	0.0	212,209,0	0.06	5.66e-05	5.66e-05	212,215,215			1.00	0.04	0.96
233	0.07	0.08	0.0	212,209,0	0.06	1.54e-03	9.42e-03	212,225,209	0.19	212	0.85	0.06	0.94
	2.12e-03	1.72e-03	0.0	209,212,0	0.06	4.41e-04	4.41e-04	212,215,215			1.00	0.04	0.96
234	0.07	0.08	0.0	212,209,0	0.06	1.54e-03	9.42e-03	212,225,209	0.19	212	0.85	0.06	0.94
	2.12e-03	1.72e-03	0.0	209,212,0	0.06	4.41e-04	4.41e-04	212,215,215			1.00	0.04	0.96
235	0.03	0.04	0.0	212,209,0	0.06	7.05e-04	5.02e-03	212,234,209	0.20	212	0.85	0.06	0.94
	2.79e-04	2.60e-04	0.0	223,222,0	0.06	2.44e-05	2.44e-05	212,219,219			1.00	0.04	0.96
236	0.07	0.08	0.0	209,212,0	0.06	1.43e-03	8.32e-03	212,234,212	0.19	212	0.85	0.06	0.94
	1.37e-03	1.26e-03	0.0	222,223,0	0.06	2.88e-04	2.88e-04	212,222,222			1.00	0.04	0.96
237	0.13	0.12	0.0	212,209,0	0.06	2.35e-03	0.01	209,225,209	0.19	209	0.85	0.06	0.94
	8.80e-03	7.43e-03	0.0	215,214,0	0.06	2.30e-03	2.30e-03	209,214,214			1.00	0.04	0.96
238	0.13	0.12	0.0	212,209,0	0.06	2.35e-03	0.01	212,225,209	0.19	212	0.85	0.06	0.94
	8.80e-03	7.43e-03	0.0	215,214,0	0.06	2.30e-03	2.30e-03	212,214,214			1.00	0.04	0.96
239	0.13	0.12	0.0	212,209,0	0.06	2.35e-03	0.01	209,225,209	0.19	209	0.85	0.06	0.94
	8.80e-03	7.43e-03	0.0	215,214,0	0.06	2.30e-03	2.30e-03	209,214,214			1.00	0.04	0.96
240	0.13	0.12	0.0	212,209,0	0.06	2.35e-03	0.01	209,225,209	0.19	209	0.85	0.06	0.94
	8.80e-03	7.43e-03	0.0	215,214,0	0.06	2.30e-03	2.30e-03	209,214,214			1.00	0.04	0.96
241	0.12	0.12	0.0	209,212,0	0.06	2.32e-03	0.01	212,226,212	0.19	212	0.85	0.06	0.94
	6.08e-03	5.74e-03	0.0	223,222,0	0.06	1.60e-03	1.60e-03	212,222,222			1.00	0.04	0.96
242	0.12	0.12	0.0	209,212,0	0.06	2.32e-03	0.01	212,226,212	0.19	212	0.85	0.06	0.94
	6.08e-03	5.74e-03	0.0	223,222,0	0.06	1.60e-03	1.60e-03	212,222,222			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.21	0.20	0.0	0.07	2.35e-03	0.02	0.20

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
10	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.91	-87.4	180	0.90	-86.2	180	0.67	1.693e+04	-2.171e+06	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B

243	0.30	0.29	0.0 209,212,0	0.17	0.03	0.04 212,68,68	0.32	212	0.85	0.06	0.94
	3.60e-03	2.65e-03	0.0 209,212,0	0.17	3.43e-03	3.43e-03 212,68,68			1.00	0.04	0.96
244	0.30	0.29	0.0 209,212,0	0.17	0.03	0.04 212,68,68	0.32	212	0.85	0.06	0.94
	5.28e-03	3.63e-03	0.0 225,212,0	0.17	3.43e-03	3.43e-03 212,68,68			1.00	0.04	0.96
245	0.30	0.29	0.0 209,212,0	0.23	0.03	0.04 212,68,68	0.37	212	0.85	0.06	0.94
	0.01	8.01e-03	0.0 225,228,0	0.23	4.41e-03	4.41e-03 212,68,68			1.00	0.04	0.96
246	0.30	0.29	0.0 209,212,0	0.21	0.03	0.04 212,68,68	0.35	212	0.85	0.06	0.94
	6.70e-03	4.72e-03	0.0 225,228,0	0.21	4.41e-03	4.41e-03 212,68,68			1.00	0.04	0.96
247	0.25	0.24	0.0 209,212,0	0.14	0.02	0.04 212,68,68	0.29	212	0.85	0.06	0.94
	5.28e-03	3.63e-03	0.0 225,212,0	0.14	3.39e-03	3.39e-03 212,68,68			1.00	0.04	0.96
248	0.25	0.24	0.0 209,212,0	0.24	0.02	0.04 212,68,68	0.38	212	0.85	0.06	0.94
	0.02	0.01	0.0 68,68,0	0.24	4.62e-03	4.62e-03 212,68,68			1.00	0.04	0.96
249	0.20	0.20	0.0 209,212,0	0.13	0.01	0.04 212,68,68	0.27	212	0.85	0.06	0.94
	3.27e-03	2.19e-03	0.0 225,228,0	0.13	3.66e-03	3.66e-03 212,68,68			1.00	0.04	0.96
250	0.20	0.20	0.0 209,212,0	0.25	0.01	0.04 212,68,68	0.38	212	0.85	0.06	0.94
	0.02	0.01	0.0 68,68,0	0.25	4.86e-03	4.86e-03 212,68,68			1.00	0.04	0.96
251	0.08	0.10	0.0 209,212,0	0.23	0.02	0.03 212,69,68	0.37	212	0.85	0.06	0.94
	0.02	0.01	0.0 68,68,0	0.23	4.41e-03	4.41e-03 212,68,68			1.00	0.04	0.96
252	0.08	0.09	0.0 225,228,0	0.21	0.02	0.03 212,69,68	0.35	212	0.85	0.06	0.94
	8.49e-03	5.92e-03	0.0 231,230,0	0.21	4.41e-03	4.41e-03 212,68,68			1.00	0.04	0.96
253	0.09	0.10	0.0 209,212,0	0.24	0.02	0.03 212,69,68	0.38	212	0.85	0.06	0.94
	0.03	0.02	0.0 68,68,0	0.24	4.62e-03	4.62e-03 212,68,68			1.00	0.04	0.96
254	0.09	0.10	0.0 209,212,0	0.25	7.26e-03	0.03 212,69,68	0.38	212	0.85	0.06	0.94
	0.03	0.02	0.0 68,68,0	0.25	4.86e-03	4.86e-03 212,68,68			1.00	0.04	0.96
255	0.21	0.20	0.0 235,234,0	0.22	0.02	0.03212,69,234	0.36	212	0.85	0.06	0.94
	0.02	0.01	0.0 68,68,0	0.22	0.01	0.01 212,68,68			1.00	0.04	0.96
256	0.21	0.20	0.0 235,234,0	0.21	0.02	0.03212,69,234	0.35	212	0.85	0.06	0.94
	8.49e-03	5.92e-03	0.0 231,230,0	0.21	3.81e-03	3.81e-03 212,68,68			1.00	0.04	0.96
257	0.19	0.19	0.0 235,234,0	0.23	9.66e-03	0.03212,69,234	0.37	212	0.85	0.06	0.94
	0.03	0.02	0.0 68,68,0	0.23	0.01	0.01 212,68,68			1.00	0.04	0.96
258	0.17	0.17	0.0 235,234,0	0.23	4.32e-03	0.02212,69,234	0.37	212	0.85	0.06	0.94
	0.03	0.02	0.0 68,68,0	0.23	0.01	0.01 212,68,68			1.00	0.04	0.96
259	0.21	0.20	0.0 235,234,0	0.20	7.61e-03	0.03212,235,234	0.34	212	0.85	0.06	0.94
	0.01	8.45e-03	0.0 69,68,0	0.20	0.01	0.01 212,68,68			1.00	0.04	0.96
260	0.21	0.20	0.0 235,234,0	0.20	7.61e-03	0.03212,235,234	0.34	212	0.85	0.06	0.94
	7.02e-03	5.05e-03	0.0 69,68,0	0.20	1.22e-03	1.22e-03212,231,231			1.00	0.04	0.96
261	0.19	0.19	0.0 235,234,0	0.20	2.43e-03	0.03212,69,234	0.34	212	0.85	0.06	0.94
	0.01	0.01	0.0 71,68,0	0.20	0.01	0.01 212,68,68			1.00	0.04	0.96
262	0.17	0.17	0.0 235,234,0	0.20	2.51e-03	0.02212,226,234	0.34	212	0.85	0.06	0.94
	0.02	0.01	0.0 67,68,0	0.20	0.01	0.01 212,68,68			1.00	0.04	0.96
263	0.16	0.15	0.0 209,212,0	0.13	0.01	0.04 212,68,68	0.28	212	0.85	0.06	0.94
	3.38e-03	2.42e-03	0.0 215,214,0	0.13	3.66e-03	3.66e-03 212,68,68			1.00	0.04	0.96
264	0.16	0.15	0.0 209,212,0	0.25	0.01	0.04 212,68,68	0.38	212	0.85	0.06	0.94
	0.02	0.01	0.0 68,68,0	0.25	4.86e-03	4.86e-03 212,68,68			1.00	0.04	0.96
265	0.11	0.11	0.0 209,212,0	0.15	0.02	0.04 212,68,68	0.30	212	0.85	0.06	0.94
	3.38e-03	3.08e-03	0.0 215,209,0	0.15	3.41e-03	3.41e-03 212,68,68			1.00	0.04	0.96
266	0.11	0.11	0.0 209,212,0	0.24	0.02	0.04 212,68,68	0.38	212	0.85	0.06	0.94
	0.02	0.01	0.0 68,68,0	0.24	4.59e-03	4.59e-03 212,68,68			1.00	0.04	0.96
267	0.10	0.10	0.0 209,212,0	0.25	8.90e-03	0.03 212,69,68	0.38	212	0.85	0.06	0.94
	0.03	0.02	0.0 68,68,0	0.25	4.86e-03	4.86e-03 212,68,68			1.00	0.04	0.96
268	0.10	0.11	0.0 209,212,0	0.24	0.02	0.03 212,69,68	0.38	212	0.85	0.06	0.94
	0.03	0.02	0.0 68,68,0	0.24	4.59e-03	4.59e-03 212,68,68			1.00	0.04	0.96
269	0.14	0.14	0.0 235,234,0	0.23	5.31e-03	0.02212,69,234	0.37	212	0.85	0.06	0.94
	0.03	0.02	0.0 68,68,0	0.23	0.01	0.01 212,68,68			1.00	0.04	0.96
270	0.11	0.12	0.0 235,234,0	0.23	0.01	0.02 212,69,68	0.37	212	0.85	0.06	0.94
	0.03	0.02	0.0 68,68,0	0.23	0.01	0.01 212,68,68			1.00	0.04	0.96
271	0.14	0.14	0.0 235,234,0	0.19	2.94e-03	0.02212,227,234	0.34	212	0.85	0.06	0.94
	0.02	0.01	0.0 67,68,0	0.19	0.01	0.01 212,68,68			1.00	0.04	0.96
272	0.11	0.12	0.0 235,234,0	0.19	2.94e-03	0.02212,227,234	0.33	212	0.85	0.06	0.94
	0.01	0.01	0.0 71,68,0	0.19	0.01	0.01 212,68,68			1.00	0.04	0.96
273	0.06	0.07	0.0 209,212,0	0.19	0.03	0.04 212,68,68	0.34	212	0.85	0.06	0.94
	0.02	0.02	0.0 212,209,0	0.19	3.00e-03	3.00e-03 212,68,68			1.00	0.04	0.96
274	0.11	0.11	0.0 209,212,0	0.23	0.03	0.04 212,68,68	0.37	212	0.85	0.06	0.94
	0.02	0.02	0.0 212,209,0	0.23	5.13e-03	5.13e-03 212,68,68			1.00	0.04	0.96
275	0.02	0.04	0.0 225,228,0	0.19	0.03	0.04 212,68,68	0.34	212	0.85	0.06	0.94
	0.02	0.02	0.0 212,209,0	0.19	2.33e-03	2.33e-03212,225,225			1.00	0.04	0.96
276	0.11	0.11	0.0 209,212,0	0.22	0.03	0.04 212,68,68	0.36	212	0.85	0.06	0.94
	0.02	0.02	0.0 212,209,0	0.22	5.13e-03	5.13e-03 212,68,68			1.00	0.04	0.96
277	0.11	0.11	0.0 209,212,0	0.23	0.02	0.03 212,69,68	0.37	212	0.85	0.06	0.94
	0.02	0.02	0.0 212,209,0	0.23	5.13e-03	5.13e-03 212,68,68			1.00	0.04	0.96
278	0.11	0.11	0.0 209,212,0	0.22	0.02	0.03 212,69,68	0.36	212	0.85	0.06	0.94
	0.02	0.02	0.0 212,209,0	0.22	5.13e-03	5.13e-03 212,68,68			1.00	0.04	0.96
279	0.09	0.10	0.0 235,234,0	0.22	0.02	0.02 212,69,68	0.36	212	0.85	0.06	0.94
	0.02	0.02	0.0 71,68,0	0.22	0.01	0.01 212,68,68			1.00	0.04	0.96
280	0.07	0.09	0.0 235,234,0	0.20	0.02	0.02 212,69,68	0.34	212	0.85	0.06	0.94

	0.02	0.01	0.0	212,209,0	0.20	7.24e-03	7.24e-03	212,69,69			1.00	0.04	0.96
281	0.09	0.10	0.0	235,234,0	0.19	2.56e-03	0.01	212,227,234	0.33	212	0.85	0.06	0.94
	9.69e-03	9.71e-03	0.0	69,68,0	0.19	0.01	0.01	212,68,68			1.00	0.04	0.96
282	0.07	0.10	0.0	235,234,0	0.19	0.01	0.01	212,69,68	0.33	212	0.85	0.06	0.94
	9.32e-03	7.48e-03	0.0	212,209,0	0.19	7.24e-03	7.24e-03	212,69,69			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.30	0.29	0.0	0.25	0.03	0.04	0.38

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
11	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	NV

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
NV	1.00	96.1	196	0.99	95.2	196	0.69	1.679e+04	2.264e+06	228

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
259	0.18	0.21	0.0	215,214,0	0.26	5.15e-03	0.03	228,44,214	0.39	228	0.85	0.06	0.94
	0.01	7.41e-03	0.0	45,45,0	0.26	9.58e-03	9.58e-03	228,45,45			1.00	0.04	0.96
260	0.18	0.21	0.0	215,214,0	0.26	5.15e-03	0.03	228,44,214	0.39	228	0.85	0.06	0.94
	4.91e-03	3.49e-03	0.0	45,214,0	0.26	9.37e-04	9.37e-04	228,214,214			1.00	0.04	0.96
261	0.16	0.19	0.0	215,214,0	0.25	2.53e-03	0.02	228,44,214	0.38	228	0.85	0.06	0.94
	0.01	9.83e-03	0.0	46,45,0	0.25	0.01	0.01	228,45,45			1.00	0.04	0.96
262	0.13	0.16	0.0	215,214,0	0.25	2.09e-03	0.02	228,211,214	0.38	228	0.85	0.06	0.94
	0.01	0.01	0.0	45,43,0	0.25	0.01	0.01	228,45,45			1.00	0.04	0.96
271	0.11	0.14	0.0	215,214,0	0.25	2.48e-03	0.02	228,211,214	0.38	228	0.85	0.06	0.94
	0.01	0.01	0.0	45,43,0	0.25	0.01	0.01	228,45,45			1.00	0.04	0.96
272	0.09	0.12	0.0	215,214,0	0.24	2.94e-03	0.02	228,44,214	0.38	228	0.85	0.06	0.94
	0.01	0.01	0.0	45,44,0	0.24	0.01	0.01	228,45,45			1.00	0.04	0.96
281	0.07	0.10	0.0	215,214,0	0.23	5.88e-03	0.01	228,44,214	0.37	228	0.85	0.06	0.94
	9.13e-03	9.11e-03	0.0	45,44,0	0.23	9.27e-03	9.27e-03	228,45,45			1.00	0.04	0.96
282	0.05	0.08	0.0	215,214,0	0.22	5.88e-03	0.01	228,44,44	0.36	228	0.85	0.06	0.94
	5.36e-03	6.24e-03	0.0	225,228,0	0.22	1.89e-03	1.89e-03	228,44,44			1.00	0.04	0.96
283	0.18	0.21	0.0	215,214,0	0.28	0.02	0.03	228,44,214	0.41	228	0.85	0.06	0.94
	0.02	0.01	0.0	46,47,0	0.28	9.58e-03	9.58e-03	228,45,45			1.00	0.04	0.96
284	0.18	0.21	0.0	215,214,0	0.27	0.02	0.03	228,44,214	0.40	228	0.85	0.06	0.94
	8.17e-03	5.40e-03	0.0	46,214,0	0.27	3.55e-03	3.55e-03	228,45,45			1.00	0.04	0.96
285	0.16	0.19	0.0	215,214,0	0.29	9.94e-03	0.03	228,44,44	0.41	228	0.85	0.06	0.94
	0.03	0.02	0.0	46,47,0	0.29	0.01	0.01	228,45,45			1.00	0.04	0.96
286	0.13	0.16	0.0	215,214,0	0.29	4.45e-03	0.02	228,44,44	0.41	228	0.85	0.06	0.94
	0.03	0.02	0.0	46,43,0	0.29	0.01	0.01	228,45,45			1.00	0.04	0.96
287	0.08	0.14	0.0	228,225,0	0.30	0.02	0.04	228,44,44	0.42	228	0.85	0.06	0.94
	0.02	0.01	0.0	46,47,0	0.30	4.37e-03	4.37e-03	228,45,45			1.00	0.04	0.96
288	0.07	0.13	0.0	228,225,0	0.27	0.02	0.04	228,44,44	0.40	228	0.85	0.06	0.94
	8.17e-03	5.40e-03	0.0	46,214,0	0.27	4.37e-03	4.37e-03	228,45,45			1.00	0.04	0.96
289	0.09	0.15	0.0	228,225,0	0.31	0.02	0.04	228,44,44	0.43	228	0.85	0.06	0.94
	0.03	0.02	0.0	46,47,0	0.31	4.42e-03	4.42e-03	228,45,45			1.00	0.04	0.96
290	0.09	0.15	0.0	228,225,0	0.32	7.30e-03	0.03	225,44,44	0.43	225	0.85	0.06	0.94
	0.03	0.02	0.0	46,43,0	0.32	4.62e-03	4.62e-03	225,45,45			1.00	0.04	0.96
291	0.31	0.38	0.0	228,225,0	0.30	0.03	0.05	228,45,44	0.42	228	0.85	0.06	0.94
	0.01	7.71e-03	0.0	46,43,0	0.30	4.37e-03	4.37e-03	228,45,45			1.00	0.04	0.96
292	0.31	0.38	0.0	228,225,0	0.27	0.03	0.05	228,45,225	0.40	228	0.85	0.06	0.94
	5.65e-03	4.21e-03	0.0	228,209,0	0.27	4.37e-03	4.37e-03	228,45,45			1.00	0.04	0.96
293	0.26	0.33	0.0	228,225,0	0.31	0.02	0.05	228,45,44	0.43	228	0.85	0.06	0.94
	0.01	0.01	0.0	46,43,0	0.31	4.42e-03	4.42e-03	228,45,45			1.00	0.04	0.96
294	0.20	0.27	0.0	228,225,0	0.32	0.01	0.05	225,45,44	0.43	225	0.85	0.06	0.94
	0.02	0.01	0.0	46,43,0	0.32	4.62e-03	4.62e-03	225,45,45			1.00	0.04	0.96
295	0.31	0.38	0.0	228,225,0	0.22	0.03	0.05	228,45,44	0.36	228	0.85	0.06	0.94
	5.56e-03	4.06e-03	0.0	228,225,0	0.22	3.34e-03	3.34e-03	228,45,45			1.00	0.04	0.96
296	0.31	0.38	0.0	228,225,0	0.22	0.03	0.05	228,45,225	0.36	228	0.85	0.06	0.94
	4.04e-03	2.91e-03	0.0	228,225,0	0.22	3.34e-03	3.34e-03	228,45,45			1.00	0.04	0.96
297	0.26	0.33	0.0	228,225,0	0.19	0.02	0.05	228,45,44	0.33	228	0.85	0.06	0.94
	5.56e-03	4.06e-03	0.0	228,225,0	0.19	3.24e-03	3.24e-03	228,45,45			1.00	0.04	0.96
298	0.20	0.27	0.0	228,225,0	0.17	0.01	0.05	228,45,44	0.32	228	0.85	0.06	0.94
	2.38e-03	2.25e-03	0.0	212,209,0	0.17	3.48e-03	3.48e-03	228,45,45			1.00	0.04	0.96
299	0.11	0.14	0.0	215,214,0	0.29	5.46e-03	0.02	228,44,44	0.41	228	0.85	0.06	0.94
	0.03	0.02	0.0	46,43,0	0.29	0.01	0.01	228,45,45			1.00	0.04	0.96
300	0.09	0.12	0.0	215,214,0	0.28	0.01	0.03	228,44,44	0.41	228	0.85	0.06	0.94
	0.02	0.02	0.0	45,43,0	0.28	0.01	0.01	228,45,45			1.00	0.04	0.96

301	0.09	0.15	0.0	228,225,0	0.32	8.92e-03	0.04	225,44,44	0.43	225	0.85	0.06	0.94
	0.03	0.02	0.0	46,43,0	0.32	4.62e-03	4.62e-03	225,45,45			1.00	0.04	0.96
302	0.10	0.16	0.0	228,225,0	0.31	0.02	0.04	225,44,44	0.43	225	0.85	0.06	0.94
	0.02	0.02	0.0	45,43,0	0.31	4.30e-03	4.30e-03	225,45,45			1.00	0.04	0.96
303	0.15	0.22	0.0	228,225,0	0.32	0.01	0.05	225,45,44	0.43	225	0.85	0.06	0.94
	0.02	0.01	0.0	46,43,0	0.32	4.62e-03	4.62e-03	225,45,45			1.00	0.04	0.96
304	0.10	0.17	0.0	228,225,0	0.31	0.02	0.05	225,45,44	0.43	225	0.85	0.06	0.94
	0.01	0.01	0.0	45,43,0	0.31	4.30e-03	4.30e-03	225,45,45			1.00	0.04	0.96
305	0.15	0.22	0.0	228,225,0	0.18	0.01	0.05	228,45,44	0.33	228	0.85	0.06	0.94
	2.25e-03	4.26e-03	0.0	231,230,0	0.18	3.48e-03	3.48e-03	228,45,45			1.00	0.04	0.96
306	0.09	0.17	0.0	228,225,0	0.21	0.02	0.05	228,45,44	0.36	228	0.85	0.06	0.94
	2.25e-03	6.92e-03	0.0	231,100,0	0.21	3.22e-03	3.22e-03	228,45,45			1.00	0.04	0.96
307	0.07	0.10	0.0	215,214,0	0.27	0.02	0.03	225,44,44	0.40	225	0.85	0.06	0.94
	0.02	0.02	0.0	225,44,0	0.27	9.27e-03	9.27e-03	225,45,45			1.00	0.04	0.96
308	0.05	0.08	0.0	215,209,0	0.24	0.02	0.03	228,44,44	0.38	228	0.85	0.06	0.94
	0.02	0.02	0.0	225,228,0	0.24	5.16e-03	5.16e-03	228,45,45			1.00	0.04	0.96
309	0.11	0.17	0.0	228,225,0	0.30	0.02	0.04	225,44,44	0.42	225	0.85	0.06	0.94
	0.03	0.02	0.0	225,228,0	0.30	5.16e-03	5.16e-03	225,45,45			1.00	0.04	0.96
310	0.11	0.17	0.0	228,225,0	0.29	0.02	0.04	225,44,44	0.41	225	0.85	0.06	0.94
	0.03	0.02	0.0	225,228,0	0.29	5.16e-03	5.16e-03	225,45,45			1.00	0.04	0.96
311	0.11	0.17	0.0	228,225,0	0.30	0.03	0.05	225,45,44	0.42	225	0.85	0.06	0.94
	0.03	0.02	0.0	225,228,0	0.30	4.63e-03	4.63e-03	225,45,45			1.00	0.04	0.96
312	0.11	0.17	0.0	228,225,0	0.29	0.03	0.05	225,45,44	0.41	225	0.85	0.06	0.94
	0.03	0.02	0.0	225,228,0	0.29	4.63e-03	4.63e-03	225,45,45			1.00	0.04	0.96
313	0.04	0.12	0.0	228,225,0	0.28	0.03	0.05	228,45,44	0.40	228	0.85	0.06	0.94
	0.02	0.02	0.0	225,228,0	0.28	2.81e-03	2.81e-03	228,45,45			1.00	0.04	0.96
314	0.0	0.10	0.0	0,100,0	0.28	0.03	0.05	228,45,44	0.40	228	0.0	0.0	0.0
	0.02	0.02	0.0	225,228,0	0.28	2.05e-03	2.05e-03	228,209,209			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.31	0.38	0.0	0.32	0.03	0.05	0.43

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
12	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.86	-15.9	193	0.85	-15.7	193	0.68	-8563.4	-3.461e+05	225

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
315	0.13	0.34	0.0	225,228,0	0.08	1.88e-03	0.04	225,209,228	0.22	225	0.85	0.06	0.94
	2.34e-04	9.95e-05	0.0	72,89,0	0.08	3.79e-04	3.79e-04	225,225,225			1.00	0.04	0.96
316	0.13	0.34	0.0	225,228,0	0.08	1.88e-03	0.04	225,209,228	0.22	225	0.85	0.06	0.94
	2.34e-04	9.95e-05	0.0	72,89,0	0.08	3.79e-04	3.79e-04	225,225,225			1.00	0.04	0.96
317	0.13	0.34	0.0	225,228,0	0.08	1.88e-03	0.04	225,209,228	0.22	225	0.85	0.06	0.94
	2.34e-04	2.28e-04	0.0	72,68,0	0.08	3.79e-04	3.79e-04	225,225,225			1.00	0.04	0.96
318	0.13	0.34	0.0	225,228,0	0.08	1.88e-03	0.04	225,209,228	0.22	225	0.85	0.06	0.94
	2.34e-04	2.28e-04	0.0	72,68,0	0.08	3.79e-04	3.79e-04	225,225,225			1.00	0.04	0.96
319	0.06	0.28	0.0	225,228,0	0.08	1.59e-03	0.04	225,209,228	0.22	225	0.85	0.06	0.94
	6.09e-05	9.00e-05	0.0	70,99,0	0.08	8.99e-05	8.99e-05	225,228,228			1.00	0.04	0.96
320	0.06	0.28	0.0	225,228,0	0.08	1.59e-03	0.04	225,209,228	0.22	225	0.85	0.06	0.94
	6.09e-05	9.63e-05	0.0	70,100,0	0.08	8.99e-05	8.99e-05	225,228,228			1.00	0.04	0.96
321	0.0	0.25	0.0	0,100,0	0.08	1.18e-03	0.03	225,209,100	0.22	225	0.0	0.0	0.0
	0.0	2.98e-04	0.0	0,100,0	0.08	1.55e-05	1.55e-05	225,225,225			0.0	0.0	0.0
322	0.0	0.26	0.0	0,100,0	0.08	1.18e-03	0.03	225,209,100	0.22	225	0.0	0.0	0.0
	0.0	2.98e-04	0.0	0,100,0	0.08	1.55e-05	1.55e-05	225,228,228			0.0	0.0	0.0
323	0.11	0.34	0.0	228,225,0	0.08	1.42e-03	0.04	225,211,225	0.22	225	0.85	0.06	0.94
	7.34e-05	2.28e-04	0.0	93,68,0	0.08	3.79e-04	3.79e-04	225,225,225			1.00	0.04	0.96
324	0.11	0.34	0.0	228,225,0	0.08	1.42e-03	0.04	225,211,225	0.22	225	0.85	0.06	0.94
	7.34e-05	2.28e-04	0.0	93,68,0	0.08	3.79e-04	3.79e-04	225,225,225			1.00	0.04	0.96
325	0.05	0.27	0.0	228,225,0	0.08	1.17e-03	0.03	225,211,225	0.22	225	0.85	0.06	0.94
	1.50e-05	9.63e-05	0.0	93,100,0	0.08	8.99e-05	8.99e-05	225,228,228			1.00	0.04	0.96
326	0.0	0.26	0.0	0,100,0	0.08	8.29e-04	0.03	225,219,100	0.22	225	0.0	0.0	0.0
	0.0	2.98e-04	0.0	0,100,0	0.08	1.55e-05	1.55e-05	225,228,228			0.0	0.0	0.0
327	0.0	0.25	0.0	0,100,0	0.08	6.14e-04	0.03	225,219,100	0.22	225	0.0	0.0	0.0
	0.0	1.25e-03	0.0	0,100,0	0.08	1.76e-05	1.76e-05	225,228,228			0.0	0.0	0.0
328	0.0	0.26	0.0	0,100,0	0.08	7.87e-04	0.03	225,209,100	0.22	225	0.0	0.0	0.0
	0.0	1.25e-03	0.0	0,100,0	0.08	1.96e-05	1.96e-05	225,209,209			0.0	0.0	0.0
329	0.0	0.26	0.0	0,100,0	0.09	1.38e-03	0.03	225,211,100	0.23	225	0.0	0.0	0.0

	0.0	5.49e-03	0.0	0,100,0	0.09	8.99e-05	8.99e-05	225,228,228			0.0	0.0	0.0
330	0.0	0.26	0.0	0,100,0	0.09	1.62e-03	0.03	225,209,100	0.23	225	0.0	0.0	0.0
	0.0	5.49e-03	0.0	0,100,0	0.09	9.07e-05	9.07e-05	225,228,228			0.0	0.0	0.0
331	0.0	0.26	0.0	0,100,0	0.08	7.87e-04	0.03	228,209,100	0.22	228	0.0	0.0	0.0
	0.0	1.24e-03	0.0	0,100,0	0.08	1.96e-05	1.96e-05	228,209,209			0.0	0.0	0.0
332	0.0	0.26	0.0	0,100,0	0.08	1.62e-03	0.03	228,209,100	0.22	228	0.0	0.0	0.0
	0.0	5.48e-03	0.0	0,100,0	0.08	9.07e-05	9.07e-05	228,228,228			0.0	0.0	0.0
333	0.02	0.26	0.0	228,100,0	0.09	2.18e-03	0.03	225,216,100	0.23	225	0.85	0.06	0.94
	0.0	0.02	0.0	0,100,0	0.09	4.11e-04	4.11e-04	225,225,225			0.0	0.0	0.0
334	0.03	0.26	0.0	225,100,0	0.09	2.69e-03	0.03	225,209,228	0.23	225	0.85	0.06	0.94
	0.0	0.02	0.0	0,100,0	0.09	4.43e-04	4.43e-04	225,226,226			0.0	0.0	0.0
335	0.02	0.26	0.0	228,100,0	0.09	2.18e-03	0.03	225,216,100	0.23	225	0.85	0.06	0.94
	0.0	0.02	0.0	0,100,0	0.09	4.11e-04	4.11e-04	225,225,225			0.0	0.0	0.0
336	0.03	0.26	0.0	225,100,0	0.09	2.69e-03	0.03	225,209,228	0.23	225	0.85	0.06	0.94
	0.0	0.02	0.0	0,100,0	0.09	4.43e-04	4.43e-04	225,226,226			0.0	0.0	0.0
337	0.03	0.26	0.0	225,100,0	0.09	2.69e-03	0.03	228,209,228	0.23	228	0.85	0.06	0.94
	0.0	0.02	0.0	0,100,0	0.09	4.43e-04	4.43e-04	228,226,226			0.0	0.0	0.0
338	0.03	0.26	0.0	225,100,0	0.09	2.69e-03	0.03	228,209,228	0.23	228	0.85	0.06	0.94
	0.0	0.02	0.0	0,100,0	0.09	4.43e-04	4.43e-04	228,226,226			0.0	0.0	0.0

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.13	0.34	0.0	0.09	2.69e-03	0.04	0.23

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
13	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.82	-239.0	193	0.80	-233.6	193	0.97	-1.630e+04	1.479e+07	228

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
339	0.33	0.38	0.0	225,228,0	0.26	0.03	0.05	225,45,228	0.39	225	0.85	0.06	0.94
	4.77e-03	3.21e-03	0.0	225,228,0	0.26	1.53e-03	1.53e-03	225,45,45			1.00	0.04	0.96
340	0.33	0.38	0.0	225,228,0	0.26	0.03	0.05	225,45,228	0.39	225	0.85	0.06	0.94
	6.66e-03	4.76e-03	0.0	225,228,0	0.26	1.53e-03	1.53e-03	225,45,45			1.00	0.04	0.96
341	0.33	0.38	0.0	225,228,0	0.33	0.03	0.05	225,45,228	0.44	225	0.85	0.06	0.94
	0.01	7.91e-03	0.0	225,228,0	0.33	2.24e-03	2.24e-03	225,45,45			1.00	0.04	0.96
342	0.33	0.38	0.0	225,228,0	0.31	0.03	0.05	225,45,228	0.43	225	0.85	0.06	0.94
	7.26e-03	5.09e-03	0.0	225,228,0	0.31	2.03e-03	2.03e-03	225,45,45			1.00	0.04	0.96
343	0.28	0.32	0.0	225,228,0	0.22	0.02	0.04	225,45,228	0.36	225	0.85	0.06	0.94
	6.66e-03	4.76e-03	0.0	225,228,0	0.22	1.72e-03	1.72e-03	225,45,45			1.00	0.04	0.96
344	0.28	0.32	0.0	225,228,0	0.34	0.02	0.04	225,45,228	0.45	225	0.85	0.06	0.94
	0.01	7.91e-03	0.0	225,228,0	0.34	2.83e-03	2.83e-03	225,45,45			1.00	0.04	0.96
345	0.22	0.27	0.0	225,228,0	0.19	8.32e-03	0.04	225,45,44	0.34	225	0.85	0.06	0.94
	2.31e-03	2.56e-03	0.0	225,44,0	0.19	1.86e-03	1.86e-03	225,45,45			1.00	0.04	0.96
346	0.22	0.27	0.0	225,228,0	0.34	8.32e-03	0.04	225,45,44	0.45	225	0.85	0.06	0.94
	6.63e-03	6.92e-03	0.0	46,43,0	0.34	3.04e-03	3.04e-03	225,45,45			1.00	0.04	0.96
347	0.11	0.16	0.0	225,228,0	0.33	0.02	0.04	225,44,44	0.44	225	0.85	0.06	0.94
	0.01	7.91e-03	0.0	225,228,0	0.33	2.24e-03	2.24e-03	225,45,45			1.00	0.04	0.96
348	0.10	0.15	0.0	225,228,0	0.31	0.02	0.03	225,44,44	0.43	225	0.85	0.06	0.94
	7.26e-03	5.09e-03	0.0	225,228,0	0.31	2.03e-03	2.03e-03	225,45,45			1.00	0.04	0.96
349	0.12	0.16	0.0	225,228,0	0.34	0.02	0.04	225,44,44	0.45	225	0.85	0.06	0.94
	0.01	0.01	0.0	46,43,0	0.34	2.83e-03	2.83e-03	225,45,45			1.00	0.04	0.96
350	0.13	0.17	0.0	225,228,0	0.34	7.16e-03	0.03	225,44,44	0.45	225	0.85	0.06	0.94
	0.02	0.01	0.0	46,43,0	0.34	3.04e-03	3.04e-03	225,45,45			1.00	0.04	0.96
351	0.06	0.11	0.0	231,230,0	0.33	0.02	0.03	225,44,44	0.44	225	0.85	0.06	0.94
	0.01	7.44e-03	0.0	46,43,0	0.33	2.66e-03	2.66e-03	225,45,45			1.00	0.04	0.96
352	0.06	0.11	0.0	231,230,0	0.31	0.02	0.03	225,44,44	0.43	225	0.85	0.06	0.94
	4.43e-03	3.05e-03	0.0	225,228,0	0.31	1.76e-03	1.76e-03	225,45,45			1.00	0.04	0.96
353	0.06	0.11	0.0	231,230,0	0.34	0.01	0.03	225,44,44	0.45	225	0.85	0.06	0.94
	0.01	0.01	0.0	46,43,0	0.34	4.19e-03	4.19e-03	225,45,45			1.00	0.04	0.96
354	0.06	0.11	0.0	231,230,0	0.34	5.83e-03	0.03	225,44,44	0.45	225	0.85	0.06	0.94
	0.02	0.01	0.0	46,43,0	0.34	4.70e-03	4.70e-03	225,45,45			1.00	0.04	0.96
355	9.23e-03	0.07	0.0	231,28,0	0.33	0.02	0.03	225,44,44	0.44	225	0.85	0.06	0.94
	9.45e-03	6.90e-03	0.0	46,43,0	0.33	9.69e-03	9.69e-03	225,45,45			1.00	0.04	0.96
356	8.36e-03	0.07	0.0	231,230,0	0.31	0.02	0.03	225,44,44	0.43	225	0.85	0.06	0.94
	3.75e-03	2.61e-03	0.0	42,47,0	0.31	1.78e-03	1.78e-03	225,45,45			1.00	0.04	0.96
357	0.01	0.07	0.0	45,44,0	0.34	9.33e-03	0.02	225,44,44	0.45	225	0.85	0.06	0.94
	0.01	9.79e-03	0.0	46,43,0	0.34	0.01	0.01	225,45,45			1.00	0.04	0.96

358	0.02	0.08	0.0	45,44,0	0.35	4.09e-03	0.02 225,44,44	0.45	225	0.85	0.06	0.94
	0.01	0.01	0.0	46,43,0	0.35	0.02	0.02 225,45,45			1.00	0.04	0.96
359	0.09	0.14	0.0	220,217,0	0.33	0.01	0.02 225,44,44	0.44	225	0.85	0.06	0.94
	0.05	0.03	0.0	46,45,0	0.33	0.02	0.02 225,45,45			1.00	0.04	0.96
360	0.09	0.14	0.0	220,217,0	0.31	0.01	0.02 225,44,44	0.43	225	0.85	0.06	0.94
	0.02	0.01	0.0	42,45,0	0.31	7.50e-03	7.50e-03 225,45,45			1.00	0.04	0.96
361	0.08	0.12	0.0	220,217,0	0.34	5.20e-03	0.02 225,44,44	0.45	225	0.85	0.06	0.94
	0.07	0.05	0.0	46,45,0	0.34	0.03	0.03 225,45,45			1.00	0.04	0.96
362	0.07	0.11	0.0	220,217,0	0.35	2.04e-03	0.01 225,44,44	0.45	225	0.85	0.06	0.94
	0.07	0.05	0.0	45,45,0	0.35	0.03	0.03 225,45,45			1.00	0.04	0.96
363	0.12	0.17	0.0	220,217,0	0.32	3.21e-03	0.02225,44,209	0.44	225	0.85	0.06	0.94
	0.06	0.04	0.0	42,45,0	0.32	0.02	0.02 225,45,45			1.00	0.04	0.96
364	0.12	0.17	0.0	220,217,0	0.31	3.21e-03	0.02225,44,209	0.43	225	0.85	0.06	0.94
	0.02	0.02	0.0	44,45,0	0.31	8.91e-03	8.91e-03 225,45,45			1.00	0.04	0.96
365	0.11	0.15	0.0	220,217,0	0.33	1.01e-03	0.02225,44,217	0.44	225	0.85	0.06	0.94
	0.08	0.06	0.0	46,45,0	0.33	0.03	0.03 225,45,45			1.00	0.04	0.96
366	0.09	0.13	0.0	220,217,0	0.33	1.01e-03	0.02225,219,217	0.44	225	0.85	0.06	0.94
	0.09	0.07	0.0	46,45,0	0.33	0.03	0.03 225,45,45			1.00	0.04	0.96
367	0.17	0.22	0.0	225,228,0	0.21	0.01	0.04 225,45,44	0.35	225	0.85	0.06	0.94
	1.68e-03	4.39e-03	0.0	228,225,0	0.21	1.86e-03	1.86e-03 225,45,45			1.00	0.04	0.96
368	0.17	0.22	0.0	225,228,0	0.34	0.01	0.04 225,45,44	0.45	225	0.85	0.06	0.94
	6.63e-03	7.73e-03	0.0	46,44,0	0.34	3.04e-03	3.04e-03 225,45,45			1.00	0.04	0.96
369	0.12	0.18	0.0	225,228,0	0.24	0.02	0.04 225,45,44	0.38	225	0.85	0.06	0.94
	1.68e-03	7.38e-03	0.0	228,100,0	0.24	1.76e-03	1.76e-03 225,45,45			1.00	0.04	0.96
370	0.14	0.18	0.0	225,228,0	0.33	0.02	0.04 225,45,44	0.44	225	0.85	0.06	0.94
	8.70e-03	0.01	0.0	228,225,0	0.33	2.76e-03	2.76e-03 225,45,45			1.00	0.04	0.96
371	0.13	0.17	0.0	225,228,0	0.34	8.70e-03	0.03 225,44,44	0.45	225	0.85	0.06	0.94
	0.02	0.01	0.0	46,43,0	0.34	3.04e-03	3.04e-03 225,45,45			1.00	0.04	0.96
372	0.14	0.18	0.0	225,228,0	0.33	0.02	0.04 225,44,44	0.44	225	0.85	0.06	0.94
	0.01	0.01	0.0	45,43,0	0.33	2.76e-03	2.76e-03 225,45,45			1.00	0.04	0.96
373	0.06	0.11	0.0	231,230,0	0.34	7.14e-03	0.03 225,44,44	0.45	225	0.85	0.06	0.94
	0.02	0.01	0.0	46,43,0	0.34	4.70e-03	4.70e-03 225,45,45			1.00	0.04	0.96
374	0.05	0.10	0.0	231,230,0	0.34	0.01	0.03 225,44,44	0.45	225	0.85	0.06	0.94
	0.01	0.01	0.0	45,43,0	0.34	4.10e-03	4.10e-03 225,45,45			1.00	0.04	0.96
375	0.02	0.08	0.0	45,44,0	0.35	5.11e-03	0.02 225,44,44	0.45	225	0.85	0.06	0.94
	0.01	0.01	0.0	46,43,0	0.35	0.02	0.02 225,45,45			1.00	0.04	0.96
376	0.01	0.07	0.0	45,44,0	0.35	0.01	0.02 225,44,44	0.45	225	0.85	0.06	0.94
	0.01	0.01	0.0	45,43,0	0.35	0.01	0.01 225,45,45			1.00	0.04	0.96
377	0.06	0.10	0.0	220,217,0	0.35	2.65e-03	0.01 225,43,44	0.45	225	0.85	0.06	0.94
	0.07	0.05	0.0	45,45,0	0.35	0.03	0.03 225,45,45			1.00	0.04	0.96
378	0.05	0.09	0.0	220,217,0	0.35	5.82e-03	0.02 225,44,44	0.45	225	0.85	0.06	0.94
	0.06	0.05	0.0	45,43,0	0.35	0.03	0.03 225,45,45			1.00	0.04	0.96
379	0.08	0.12	0.0	212,209,0	0.34	1.01e-03	0.01227,219,217	0.45	227	0.85	0.06	0.94
	0.09	0.07	0.0	46,45,0	0.34	0.03	0.03 227,45,45			1.00	0.04	0.96
380	0.07	0.11	0.0	212,225,0	0.34	1.31e-03	0.01227,47,225	0.45	227	0.85	0.06	0.94
	0.08	0.06	0.0	45,45,0	0.34	0.03	0.03 227,45,45			1.00	0.04	0.96
381	0.07	0.13	0.0	225,228,0	0.30	0.03	0.04 225,45,44	0.42	225	0.85	0.06	0.94
	0.01	0.02	0.0	228,225,0	0.30	2.19e-03	2.19e-03 225,44,44			1.00	0.04	0.96
382	0.15	0.19	0.0	225,228,0	0.31	0.03	0.04 225,45,44	0.43	225	0.85	0.06	0.94
	0.02	0.02	0.0	230,225,0	0.31	2.19e-03	2.19e-03 225,44,44			1.00	0.04	0.96
383	0.02	0.09	0.0	225,228,0	0.30	0.03	0.04 225,45,44	0.42	225	0.85	0.06	0.94
	0.01	0.02	0.0	228,225,0	0.30	2.19e-03	2.19e-03 225,44,44			1.00	0.04	0.96
384	0.15	0.19	0.0	225,228,0	0.30	0.03	0.04 225,45,44	0.42	225	0.85	0.06	0.94
	0.02	0.02	0.0	230,225,0	0.30	2.19e-03	2.19e-03 225,44,44			1.00	0.04	0.96
385	0.15	0.19	0.0	225,228,0	0.31	0.02	0.04 225,44,44	0.43	225	0.85	0.06	0.94
	0.02	0.02	0.0	230,231,0	0.31	2.68e-03	2.68e-03 225,45,45			1.00	0.04	0.96
386	0.15	0.19	0.0	225,228,0	0.29	0.02	0.03 228,44,44	0.42	228	0.85	0.06	0.94
	0.02	0.02	0.0	230,231,0	0.29	2.68e-03	2.68e-03 228,45,45			1.00	0.04	0.96
387	0.05	0.10	0.0	231,230,0	0.33	0.02	0.03 225,44,44	0.44	225	0.85	0.06	0.94
	0.02	0.01	0.0	226,227,0	0.33	2.68e-03	2.68e-03 225,45,45			1.00	0.04	0.96
388	0.05	0.10	0.0	231,230,0	0.32	0.02	0.03 225,44,44	0.43	225	0.85	0.06	0.94
	0.02	0.01	0.0	226,227,0	0.32	2.68e-03	2.68e-03 225,45,45			1.00	0.04	0.96
389	6.09e-03	0.07	0.0	231,28,0	0.34	0.02	0.02 225,44,44	0.45	225	0.85	0.06	0.94
	0.01	0.01	0.0	226,227,0	0.34	9.28e-03	9.28e-03 225,45,45			1.00	0.04	0.96
390	4.34e-03	0.06	0.0	231,100,0	0.32	0.02	0.02 225,44,44	0.44	225	0.85	0.06	0.94
	0.01	0.01	0.0	226,227,0	0.32	1.99e-03	1.99e-03 225,45,45			1.00	0.04	0.96
391	0.04	0.08	0.0	220,217,0	0.34	0.01	0.02 225,44,44	0.45	225	0.85	0.06	0.94
	0.05	0.03	0.0	45,43,0	0.34	0.02	0.02 225,45,45			1.00	0.04	0.96
392	0.03	0.07	0.0	220,217,0	0.32	0.01	0.02 225,44,44	0.44	225	0.85	0.06	0.94
	0.02	0.02	0.0	45,44,0	0.32	7.14e-03	7.14e-03 225,45,45			1.00	0.04	0.96
393	0.06	0.11	0.0	228,225,0	0.33	3.58e-03	0.01227,44,225	0.44	227	0.85	0.06	0.94
	0.06	0.04	0.0	45,45,0	0.33	0.02	0.02 227,45,45			1.00	0.04	0.96
394	0.06	0.10	0.0	228,225,0	0.32	3.58e-03	0.01227,44,225	0.43	227	0.85	0.06	0.94
	0.03	0.02	0.0	45,43,0	0.32	9.13e-03	9.13e-03 227,45,45			1.00	0.04	0.96
395	0.12	0.17	0.0	220,217,0	0.34	6.60e-03	0.02225,44,209	0.44	225	0.85	0.06	0.94

	0.06	0.04	0.0 42,45,0	0.33	0.02	0.02 225,45,45			1.00	0.04	0.96
396	0.12	0.17	0.0 220,217,0	0.31	6.60e-03	0.02225,44,209	0.43	225	0.85	0.06	0.94
	0.02	0.02	0.0 44,45,0	0.31	8.91e-03	8.91e-03 225,45,45			1.00	0.04	0.96
397	0.12	0.15	0.0 228,217,0	0.34	2.80e-03	0.02225,44,225	0.45	225	0.85	0.06	0.94
	0.08	0.06	0.0 46,45,0	0.34	0.03	0.03 225,45,45			1.00	0.04	0.96
398	0.13	0.15	0.0 228,225,0	0.34	1.01e-03	0.02225,219,225	0.45	225	0.85	0.06	0.94
	0.09	0.07	0.0 46,45,0	0.34	0.03	0.03 225,45,45			1.00	0.04	0.96
399	0.14	0.15	0.0 228,225,0	0.34	1.27e-03	0.02225,45,225	0.45	225	0.85	0.06	0.94
	0.09	0.07	0.0 46,45,0	0.34	0.03	0.03 225,45,45			1.00	0.04	0.96
400	0.14	0.16	0.0 228,225,0	0.33	3.17e-03	0.02225,44,225	0.44	225	0.85	0.06	0.94
	0.08	0.06	0.0 45,45,0	0.33	0.03	0.03 225,45,45			1.00	0.04	0.96
401	0.15	0.17	0.0 228,225,0	0.32	6.94e-03	0.02225,44,225	0.43	225	0.85	0.06	0.94
	0.06	0.04	0.0 45,45,0	0.32	0.02	0.02 225,45,45			1.00	0.04	0.96
402	0.15	0.17	0.0 228,225,0	0.29	6.94e-03	0.02225,44,225	0.41	225	0.85	0.06	0.94
	0.03	0.02	0.0 45,43,0	0.29	9.13e-03	9.13e-03 225,45,45			1.00	0.04	0.96
2106	0.34	0.34	0.0 228,225,0	0.26	0.01	0.04225,44,225	0.39	225	0.85	0.06	0.94
	4.43e-03	3.35e-03	0.0 228,225,0	0.26	7.60e-04	7.60e-04 225,45,45			1.00	0.04	0.96
2107	0.34	0.34	0.0 228,225,0	0.34	0.01	0.04225,44,225	0.44	225	0.85	0.06	0.94
	0.03	0.02	0.0 46,47,0	0.33	0.01	0.01 225,45,45			1.00	0.04	0.96
2108	0.34	0.34	0.0 228,225,0	0.31	0.01	0.04225,44,225	0.43	225	0.85	0.06	0.94
	9.96e-03	7.70e-03	0.0 46,43,0	0.31	3.44e-03	3.44e-03 225,45,45			1.00	0.04	0.96
2109	0.29	0.29	0.0 228,225,0	0.34	7.11e-03	0.04225,44,225	0.45	225	0.85	0.06	0.94
	0.04	0.03	0.0 46,45,0	0.34	0.02	0.02 225,45,45			1.00	0.04	0.96
2110	0.24	0.24	0.0 228,225,0	0.34	2.87e-03	0.03225,44,225	0.45	225	0.85	0.06	0.94
	0.04	0.03	0.0 46,45,0	0.34	0.02	0.02 225,45,45			1.00	0.04	0.96
2111	0.34	0.34	0.0 228,225,0	0.26	0.01	0.04225,44,225	0.39	225	0.85	0.06	0.94
	6.43e-03	4.72e-03	0.0 228,43,0	0.26	2.75e-03	2.75e-03 225,45,45			1.00	0.04	0.96
2112	0.29	0.29	0.0 228,225,0	0.22	7.11e-03	0.04225,44,225	0.36	225	0.85	0.06	0.94
	7.49e-03	5.64e-03	0.0 46,43,0	0.22	4.58e-03	4.58e-03 225,45,45			1.00	0.04	0.96
2113	0.24	0.24	0.0 228,225,0	0.20	2.87e-03	0.03225,44,225	0.34	225	0.85	0.06	0.94
	7.99e-03	5.97e-03	0.0 46,43,0	0.20	5.15e-03	5.15e-03 225,45,45			1.00	0.04	0.96
2114	0.19	0.19	0.0 228,225,0	0.34	3.72e-03	0.02225,44,225	0.45	225	0.85	0.06	0.94
	0.04	0.03	0.0 46,45,0	0.34	0.02	0.02 225,45,45			1.00	0.04	0.96
2115	0.14	0.16	0.0 228,225,0	0.33	7.93e-03	0.02225,44,225	0.44	225	0.85	0.06	0.94
	0.04	0.03	0.0 45,43,0	0.33	0.02	0.02 225,45,45			1.00	0.04	0.96
2116	0.19	0.19	0.0 228,225,0	0.20	3.72e-03	0.02225,44,225	0.34	225	0.85	0.06	0.94
	7.99e-03	5.97e-03	0.0 46,43,0	0.20	5.15e-03	5.15e-03 225,45,45			1.00	0.04	0.96
2117	0.14	0.15	0.0 228,225,0	0.23	7.93e-03	0.02 225,44,44	0.36	225	0.85	0.06	0.94
	7.19e-03	5.67e-03	0.0 45,43,0	0.23	4.44e-03	4.44e-03 225,45,45			1.00	0.04	0.96
2118	0.15	0.17	0.0 228,225,0	0.32	0.01	0.02225,44,225	0.43	225	0.85	0.06	0.94
	0.02	0.02	0.0 45,44,0	0.32	0.01	0.01 225,45,45			1.00	0.04	0.96
2119	0.15	0.17	0.0 228,225,0	0.29	0.01	0.02225,44,225	0.41	225	0.85	0.06	0.94
	0.02	0.01	0.0 225,228,0	0.29	3.17e-03	3.17e-03 225,45,45			1.00	0.04	0.96
2120	0.09	0.10	0.0 228,225,0	0.27	0.01	0.02 225,44,44	0.40	225	0.85	0.06	0.94
	0.01	9.52e-03	0.0 225,228,0	0.27	2.43e-03	2.43e-03 225,45,45			1.00	0.04	0.96
2121	0.04	0.06	0.0 228,225,0	0.27	0.01	0.02 225,44,44	0.40	225	0.85	0.06	0.94
	0.01	9.52e-03	0.0 225,228,0	0.27	5.29e-04	5.29e-04225,209,209			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.34	0.38	0.0	0.35	0.03	0.05	0.45

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
14	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	NV

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
NV	0.45	22.2	177	1.03	-50.9	180	0.97	3156.3	-2.178e+06	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
194	0.16	0.14	0.0	209,212,0	0.01	0.02	0.03	209,67,69	0.08	209	0.87	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.01	1.19e-03	1.19e-03	209,68,68			1.00	0.04	0.96
196	0.16	0.14	0.0	209,212,0	0.01	0.02	0.03	209,69,69	0.09	209	0.87	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.01	1.19e-03	1.19e-03	209,68,68			1.00	0.04	0.96
198	0.06	0.04	0.0	209,212,0	0.03	0.02	0.02	209,69,69	0.13	209	0.87	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.03	6.70e-04	6.70e-04	209,69,69			1.00	0.04	0.96
200	0.08	0.06	0.0	212,209,0	0.03	0.02	0.02	209,69,69	0.13	209	0.87	0.06	0.94
	0.05	0.03	0.0	212,209,0	0.03	3.50e-03	3.50e-03	209,220,220			1.00	0.04	0.96
202	0.13	0.10	0.0	212,209,0	1.48e-03	0.02	0.02	209,69,69	0.03	209	0.87	0.06	0.94
	0.05	0.03	0.0	212,209,0	1.47e-03	4.78e-03	4.78e-03	209,215,215			1.00	0.04	0.96

216	0.13	0.10	0.0	212,209,0	8.88e-05	0.02	0.02	68,68,68	6.94e-03	100	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	8.16e-05	4.78e-03	4.78e-03	100,215,215			1.00	0.04	0.96
403	0.06	0.04	0.0	68,212,0	0.06	0.02	0.02	209,69,69	0.20	209	0.87	0.06	0.94
	0.04	0.02	0.0	212,209,0	0.06	8.59e-04	8.59e-04	209,68,68			1.00	0.04	0.96
404	0.07	0.04	0.0	68,69,0	0.25	0.02	0.02	209,69,69	0.38	209	0.87	0.06	0.94
	0.04	0.02	0.0	212,209,0	0.25	1.28e-03	1.28e-03	209,68,68			1.00	0.04	0.96
405	0.08	0.06	0.0	212,209,0	0.06	0.02	0.02	209,69,69	0.20	209	0.87	0.06	0.94
	0.11	0.07	0.0	212,209,0	0.06	3.50e-03	3.50e-03	209,220,220			1.00	0.04	0.96
406	0.08	0.05	0.0	68,209,0	0.25	0.02	0.02	209,69,69	0.38	209	0.87	0.06	0.94
	0.11	0.07	0.0	212,209,0	0.25	9.84e-04	9.84e-04	209,214,214			1.00	0.04	0.96
407	0.08	0.05	0.0	68,69,0	0.29	7.51e-03	0.01	209,69,93	0.41	209	0.87	0.06	0.94
	0.04	0.02	0.0	209,212,0	0.29	1.28e-03	1.28e-03	209,68,68			1.00	0.04	0.96
408	0.09	0.05	0.0	68,69,0	0.29	7.26e-03	7.50e-03	209,68,233	0.41	209	0.87	0.06	0.94
	0.07	0.04	0.0	212,209,0	0.29	7.64e-04	7.64e-04	209,236,236			1.00	0.04	0.96
409	0.08	0.05	0.0	68,69,0	0.29	8.81e-03	0.01	209,69,93	0.41	209	0.87	0.06	0.94
	8.85e-03	5.62e-03	0.0	209,212,0	0.29	8.10e-04	8.10e-04	209,236,236			1.00	0.04	0.96
410	0.09	0.05	0.0	68,69,0	0.29	8.60e-03	8.60e-03	209,69,69	0.41	209	0.87	0.06	0.94
	0.01	6.32e-03	0.0	209,212,0	0.29	7.64e-04	7.64e-04	209,236,236			1.00	0.04	0.96
431	0.07	0.04	0.0	68,69,0	0.29	0.02	0.02	209,69,69	0.41	209	0.87	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.29	5.03e-04	5.03e-04	209,227,227			1.00	0.04	0.96
432	0.08	0.04	0.0	68,69,0	0.29	0.02	0.02	209,68,68	0.41	209	0.87	0.06	0.94
	0.07	0.04	0.0	209,212,0	0.29	5.18e-04	5.18e-04	209,68,68			1.00	0.04	0.96
433	0.06	0.03	0.0	68,69,0	0.27	0.02	0.02	209,68,68	0.40	209	0.87	0.06	0.94
	0.04	0.02	0.0	214,215,0	0.27	1.07e-03	1.07e-03	209,231,231			1.00	0.04	0.96
434	0.07	0.03	0.0	68,69,0	0.27	0.02	0.02	209,69,69	0.40	209	0.87	0.06	0.94
	0.09	0.05	0.0	209,212,0	0.27	3.83e-03	3.83e-03	209,227,227			1.00	0.04	0.96
445	0.03	0.01	0.0	68,212,0	0.11	0.02	0.02	209,68,68	0.26	209	0.87	0.06	0.94
	0.04	0.02	0.0	214,215,0	0.11	1.07e-03	1.07e-03	209,231,231			1.00	0.04	0.96
446	0.05	0.02	0.0	212,209,0	0.11	0.02	0.02	209,69,69	0.26	209	0.87	0.06	0.94
	0.09	0.05	0.0	209,212,0	0.11	3.83e-03	3.83e-03	209,227,227			1.00	0.04	0.96
1407	0.19	0.14	0.0	212,209,0	0.17	0.02	0.02	209,68,209	0.32	209	0.87	0.06	0.94
	0.16	0.10	0.0	212,209,0	0.17	2.53e-03	2.53e-03	209,68,68			1.00	0.04	0.96
1408	0.19	0.14	0.0	212,209,0	0.19	9.04e-03	0.02	209,68,209	0.34	209	0.87	0.06	0.94
	0.12	0.08	0.0	212,209,0	0.19	2.20e-03	2.20e-03	209,235,235			1.00	0.04	0.96
1409	0.14	0.09	0.0	212,209,0	0.19	8.46e-03	0.01	209,68,209	0.34	209	0.87	0.06	0.94
	0.02	0.01	0.0	209,212,0	0.19	7.64e-04	7.64e-04	209,236,236			1.00	0.04	0.96
1410	0.17	0.15	0.0	209,212,0	0.04	0.02	0.03	209,69,65	0.15	209	0.87	0.06	0.94
	0.08	0.05	0.0	209,212,0	0.04	2.26e-03	2.26e-03	209,234,234			1.00	0.04	0.96
1411	0.18	0.16	0.0	209,212,0	0.22	0.02	0.03	209,69,65	0.36	209	0.87	0.06	0.94
	0.09	0.06	0.0	209,212,0	0.22	2.26e-03	2.26e-03	209,234,234			1.00	0.04	0.96
1412	0.18	0.16	0.0	209,212,0	0.26	7.80e-03	0.03	209,69,65	0.39	209	0.87	0.06	0.94
	0.09	0.06	0.0	209,212,0	0.26	2.10e-03	2.10e-03	209,234,234			1.00	0.04	0.96
1419	0.09	0.05	0.0	68,209,0	0.19	0.02	0.02	209,69,69	0.34	209	0.87	0.06	0.94
	0.07	0.04	0.0	209,212,0	0.19	5.18e-04	5.18e-04	209,68,68			1.00	0.04	0.96
1420	0.08	0.03	0.0	68,69,0	0.19	0.02	0.02	209,67,67	0.34	209	0.87	0.06	0.94
	0.09	0.05	0.0	209,212,0	0.19	5.35e-03	5.35e-03	209,227,227			1.00	0.04	0.96
1421	0.14	0.12	0.0	209,212,0	0.26	9.14e-03	0.03	209,68,65	0.39	209	0.87	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.26	8.10e-04	8.10e-04	209,236,236			1.00	0.04	0.96
1422	0.09	0.08	0.0	209,212,0	0.26	0.02	0.03	209,68,65	0.39	209	0.87	0.06	0.94
	0.04	0.03	0.0	212,209,0	0.26	3.99e-04	3.99e-04	209,68,68			1.00	0.04	0.96
1429	0.05	0.02	0.0	212,209,0	0.03	0.02	0.02	212,67,67	0.14	212	0.87	0.06	0.94
	0.09	0.05	0.0	209,212,0	0.03	5.35e-03	5.35e-03	212,227,227			1.00	0.04	0.96
1431	0.05	0.04	0.0	209,212,0	0.24	0.03	0.03	209,68,65	0.38	209	0.87	0.06	0.94
	0.04	0.03	0.0	212,209,0	0.24	3.06e-03	3.06e-03	209,69,69			1.00	0.04	0.96
1433	0.02	0.02	0.0	68,212,0	0.09	0.03	0.03	212,68,65	0.23	212	0.87	0.06	0.94
	0.04	0.03	0.0	212,209,0	0.09	3.06e-03	3.06e-03	212,69,69			1.00	0.04	0.96
1568	0.15	0.11	0.0	212,209,0	1.55e-03	0.02	0.02	212,68,68	0.03	212	0.87	0.06	0.94
	0.16	0.10	0.0	212,209,0	1.55e-03	4.78e-03	4.78e-03	212,215,215			1.00	0.04	0.96
1571	0.19	0.14	0.0	212,209,0	0.15	0.02	0.02	212,68,209	0.30	212	0.87	0.06	0.94
	0.16	0.10	0.0	212,209,0	0.15	2.53e-03	2.53e-03	212,68,68			1.00	0.04	0.96
1573	0.19	0.14	0.0	212,209,0	0.15	9.04e-03	0.02	212,68,209	0.30	212	0.87	0.06	0.94
	0.12	0.08	0.0	212,209,0	0.15	2.20e-03	2.20e-03	212,235,235			1.00	0.04	0.96
1587	0.17	0.15	0.0	209,212,0	0.01	0.02	0.03	209,67,65	0.08	209	0.87	0.06	0.94
	0.08	0.05	0.0	209,212,0	0.01	2.26e-03	2.26e-03	209,234,234			1.00	0.04	0.96
1588	0.18	0.16	0.0	209,212,0	0.15	0.02	0.03	209,69,65	0.30	209	0.87	0.06	0.94
	0.09	0.06	0.0	209,212,0	0.15	2.26e-03	2.26e-03	209,234,234			1.00	0.04	0.96
1589	0.18	0.16	0.0	209,212,0	0.15	7.80e-03	0.03	209,69,65	0.30	209	0.87	0.06	0.94
	0.09	0.06	0.0	209,212,0	0.15	2.10e-03	2.10e-03	209,234,234			1.00	0.04	0.96
1590	0.14	0.09	0.0	212,209,0	0.10	8.24e-03	0.01	212,69,209	0.24	212	0.87	0.06	0.94
	0.02	0.01	0.0	209,212,0	0.10	4.95e-04	4.95e-04	212,237,237			1.00	0.04	0.96
1592	0.09	0.05	0.0	68,209,0	0.13	0.02	0.02	212,69,69	0.28	212	0.87	0.06	0.94
	0.02	0.01	0.0	211,210,0	0.13	3.93e-04	3.93e-04	212,235,235			1.00	0.04	0.96
1600	0.14	0.12	0.0	209,212,0	0.11	9.14e-03	0.03	209,68,65	0.26	209	0.87	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.11	5.67e-04	5.67e-04	209,236,236			1.00	0.04	0.96
1601	0.09	0.08	0.0	209,212,0	0.10	0.02	0.03	209,68,65	0.25	209	0.87	0.06	0.94

	0.04	0.03	0.0	212,209,0	0.10	3.99e-04	3.99e-04	209,68,68			1.00	0.04	0.96
1602	0.08	0.02	0.0	68,69,0	0.13	0.02	0.02	212,67,67	0.28	212	0.87	0.06	0.94
	0.02	0.02	0.0	234,235,0	0.13	5.35e-03	5.35e-03	212,227,227			1.00	0.04	0.96
1604	0.05	7.42e-03	0.0	68,235,0	0.03	0.02	0.02	212,67,67	0.14	212	0.87	0.06	0.94
	0.02	0.02	0.0	234,235,0	0.03	5.35e-03	5.35e-03	212,227,227			1.00	0.04	0.96
1612	0.05	0.04	0.0	209,212,0	0.10	0.03	0.03	209,68,65	0.24	209	0.87	0.06	0.94
	0.04	0.03	0.0	212,209,0	0.10	3.06e-03	3.06e-03	209,69,69			1.00	0.04	0.96
1613	0.02	0.02	0.0	209,212,0	7.24e-03	0.03	0.03	212,68,65	0.07	212	0.87	0.06	0.94
	0.04	0.03	0.0	212,209,0	7.24e-03	3.06e-03	3.06e-03	212,69,69			1.00	0.04	0.96
2105	0.15	0.11	0.0	212,209,0	0.02	0.02	0.02	209,69,69	0.10	209	0.87	0.06	0.94
	0.16	0.10	0.0	212,209,0	0.02	4.78e-03	4.78e-03	209,215,215			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.19	0.16	0.0	0.29	0.03	0.03	0.41

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
15	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M		Rif. cmb
		kN			kN			kN	kN	m	
ok	0.98	-106.6	193	0.95	-103.3	193	0.94	2.065e+04	-3.093e+06		231

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
411	0.33	0.30	0.0	225,228,0	0.23	0.03	0.04	225,44,41	0.37	225	0.85	0.06	0.94
	4.96e-03	3.60e-03	0.0	231,230,0	0.23	3.07e-03	3.07e-03	225,44,44			1.00	0.04	0.96
412	0.33	0.30	0.0	225,228,0	0.23	0.03	0.04	225,44,228	0.37	225	0.85	0.06	0.94
	3.58e-03	2.57e-03	0.0	227,226,0	0.23	3.07e-03	3.07e-03	225,44,44			1.00	0.04	0.96
413	0.29	0.26	0.0	225,228,0	0.20	0.02	0.04	225,44,41	0.35	225	0.85	0.06	0.94
	4.96e-03	3.60e-03	0.0	231,230,0	0.20	3.42e-03	3.42e-03	225,44,44			1.00	0.04	0.96
414	0.24	0.21	0.0	225,228,0	0.19	0.01	0.04	225,44,41	0.33	225	0.85	0.06	0.94
	1.66e-03	1.44e-03	0.0	219,230,0	0.19	3.71e-03	3.71e-03	225,44,44			1.00	0.04	0.96
415	0.33	0.30	0.0	225,228,0	0.30	0.03	0.04	225,44,41	0.42	225	0.85	0.06	0.94
	0.01	8.49e-03	0.0	47,44,0	0.30	4.07e-03	4.07e-03	225,44,44			1.00	0.04	0.96
416	0.33	0.30	0.0	225,228,0	0.27	0.03	0.04	225,44,228	0.40	225	0.85	0.06	0.94
	4.53e-03	3.60e-03	0.0	45,230,0	0.27	4.05e-03	4.05e-03	225,44,44			1.00	0.04	0.96
417	0.29	0.26	0.0	225,228,0	0.32	0.02	0.04	225,44,41	0.43	225	0.85	0.06	0.94
	0.02	0.01	0.0	43,44,0	0.32	5.03e-03	5.03e-03	225,44,44			1.00	0.04	0.96
418	0.24	0.21	0.0	225,228,0	0.32	0.01	0.04	225,44,41	0.44	225	0.85	0.06	0.94
	0.02	0.01	0.0	43,44,0	0.32	5.36e-03	5.36e-03	225,44,44			1.00	0.04	0.96
419	0.10	0.10	0.0	231,230,0	0.30	0.02	0.03	225,45,42	0.42	225	0.85	0.06	0.94
	0.02	0.02	0.0	45,44,0	0.30	4.07e-03	4.07e-03	225,44,44			1.00	0.04	0.96
420	0.09	0.09	0.0	227,226,0	0.27	0.02	0.03	225,45,42	0.40	225	0.85	0.06	0.94
	9.02e-03	6.44e-03	0.0	45,44,0	0.27	4.05e-03	4.05e-03	225,44,44			1.00	0.04	0.96
421	0.11	0.10	0.0	231,230,0	0.32	0.02	0.03	225,45,42	0.43	225	0.85	0.06	0.94
	0.03	0.02	0.0	44,44,0	0.32	5.03e-03	5.03e-03	225,44,44			1.00	0.04	0.96
422	0.11	0.11	0.0	231,230,0	0.32	7.50e-03	0.03	225,45,42	0.44	225	0.85	0.06	0.94
	0.03	0.02	0.0	44,44,0	0.32	5.36e-03	5.36e-03	225,44,44			1.00	0.04	0.96
423	0.19	0.20	0.0	240,237,0	0.28	0.02	0.03	225,45,237	0.41	225	0.85	0.06	0.94
	0.02	0.02	0.0	45,44,0	0.28	0.01	0.01	225,44,44			1.00	0.04	0.96
424	0.19	0.20	0.0	240,237,0	0.27	0.02	0.03	225,45,237	0.40	225	0.85	0.06	0.94
	9.02e-03	6.44e-03	0.0	45,44,0	0.27	3.38e-03	3.38e-03	225,44,44			1.00	0.04	0.96
425	0.16	0.18	0.0	240,237,0	0.29	0.01	0.02	225,45,221	0.41	225	0.85	0.06	0.94
	0.03	0.02	0.0	44,44,0	0.29	0.01	0.01	225,44,44			1.00	0.04	0.96
426	0.14	0.15	0.0	240,237,0	0.29	4.66e-03	0.02	225,45,221	0.41	225	0.85	0.06	0.94
	0.03	0.02	0.0	44,44,0	0.29	0.01	0.01	225,44,44			1.00	0.04	0.96
435	0.19	0.17	0.0	225,228,0	0.20	0.01	0.04	225,44,41	0.34	225	0.85	0.06	0.94
	3.95e-03	3.15e-03	0.0	228,233,0	0.20	3.71e-03	3.71e-03	225,44,44			1.00	0.04	0.96
436	0.14	0.12	0.0	225,228,0	0.23	0.02	0.04	225,44,42	0.37	225	0.85	0.06	0.94
	4.93e-03	4.38e-03	0.0	228,225,0	0.23	3.47e-03	3.47e-03	225,44,44			1.00	0.04	0.96
437	0.19	0.17	0.0	225,228,0	0.32	0.01	0.04	225,44,41	0.44	225	0.85	0.06	0.94
	0.02	0.01	0.0	43,44,0	0.32	5.36e-03	5.36e-03	225,44,44			1.00	0.04	0.96
438	0.14	0.12	0.0	225,228,0	0.32	0.02	0.04	225,44,42	0.43	225	0.85	0.06	0.94
	0.02	0.01	0.0	47,44,0	0.32	4.95e-03	4.95e-03	225,44,44			1.00	0.04	0.96
439	0.12	0.11	0.0	231,230,0	0.32	9.13e-03	0.03	225,45,42	0.44	225	0.85	0.06	0.94
	0.03	0.02	0.0	44,44,0	0.32	5.36e-03	5.36e-03	225,44,44			1.00	0.04	0.96
440	0.13	0.12	0.0	231,230,0	0.32	0.02	0.03	225,45,42	0.43	225	0.85	0.06	0.94
	0.03	0.02	0.0	43,44,0	0.32	4.95e-03	4.95e-03	225,44,44			1.00	0.04	0.96
441	0.12	0.13	0.0	224,221,0	0.29	5.74e-03	0.02	225,45,221	0.41	225	0.85	0.06	0.94
	0.03	0.02	0.0	44,44,0	0.29	0.01	0.01	225,44,44			1.00	0.04	0.96

442	0.10	0.12	0.0	224,221,0	0.28	0.01	0.02	225,45,42	0.41	225	0.85	0.06	0.94
	0.03	0.02	0.0	43,44,0	0.28	0.01	0.01	225,44,44			1.00	0.04	0.96
449	0.09	0.08	0.0	225,228,0	0.28	0.03	0.04	225,44,42	0.41	225	0.85	0.06	0.94
	0.02	0.01	0.0	228,225,0	0.28	3.08e-03	3.08e-03	225,44,44			1.00	0.04	0.96
450	0.04	0.04	0.0	231,230,0	0.28	0.03	0.04	225,44,42	0.41	225	0.85	0.06	0.94
	0.02	0.01	0.0	228,225,0	0.28	1.43e-03	1.43e-03	225,45,45			1.00	0.04	0.96
451	0.14	0.13	0.0	231,230,0	0.30	0.03	0.04	225,44,42	0.42	225	0.85	0.06	0.94
	0.02	0.02	0.0	228,225,0	0.30	4.61e-03	4.61e-03	225,44,44			1.00	0.04	0.96
452	0.14	0.13	0.0	231,230,0	0.28	0.03	0.04	225,44,42	0.41	225	0.85	0.06	0.94
	0.02	0.02	0.0	228,225,0	0.28	4.61e-03	4.61e-03	225,44,44			1.00	0.04	0.96
453	0.14	0.13	0.0	231,230,0	0.30	0.03	0.03	225,45,42	0.42	225	0.85	0.06	0.94
	0.02	0.02	0.0	228,225,0	0.30	5.45e-03	5.45e-03	225,44,44			1.00	0.04	0.96
454	0.14	0.13	0.0	231,230,0	0.28	0.03	0.03	225,45,42	0.41	225	0.85	0.06	0.94
	0.02	0.02	0.0	228,225,0	0.28	5.45e-03	5.45e-03	225,44,44			1.00	0.04	0.96
455	0.09	0.10	0.0	224,221,0	0.27	0.02	0.02	225,45,42	0.40	225	0.85	0.06	0.94
	0.02	0.02	0.0	47,44,0	0.27	0.01	0.01	225,44,44			1.00	0.04	0.96
456	0.07	0.08	0.0	224,221,0	0.24	0.02	0.02	228,45,42	0.38	228	0.85	0.06	0.94
	0.02	0.01	0.0	228,225,0	0.24	5.45e-03	5.45e-03	228,44,44			1.00	0.04	0.96
1367	0.19	0.20	0.0	240,237,0	0.23	5.58e-03	0.03230,45,237		0.37	230	0.85	0.06	0.94
	5.47e-03	3.87e-03	0.0	45,44,0	0.23	1.10e-03	1.10e-03230,221,221				1.00	0.04	0.96
1371	0.19	0.20	0.0	240,237,0	0.23	5.58e-03	0.03230,45,237		0.37	230	0.85	0.06	0.94
	0.01	8.95e-03	0.0	45,44,0	0.23	0.01	0.01	230,44,44			1.00	0.04	0.96
1372	0.16	0.18	0.0	240,237,0	0.23	3.89e-03	0.02226,221,221		0.37	226	0.85	0.06	0.94
	0.02	0.01	0.0	44,44,0	0.23	0.01	0.01	226,44,44			1.00	0.04	0.96
1374	0.14	0.15	0.0	240,237,0	0.23	4.57e-03	0.02226,221,221		0.37	226	0.85	0.06	0.94
	0.02	0.01	0.0	44,44,0	0.23	0.01	0.01	226,44,44			1.00	0.04	0.96
1375	0.12	0.13	0.0	224,221,0	0.23	4.57e-03	0.02226,221,221		0.36	226	0.85	0.06	0.94
	0.02	0.01	0.0	44,44,0	0.23	0.01	0.01	226,44,44			1.00	0.04	0.96
1377	0.10	0.12	0.0	224,221,0	0.22	4.03e-03	0.02226,221,221		0.36	226	0.85	0.06	0.94
	0.02	0.01	0.0	43,44,0	0.22	0.01	0.01	226,44,44			1.00	0.04	0.96
1378	0.09	0.10	0.0	224,221,0	0.21	8.18e-03	0.02226,221,221		0.35	226	0.85	0.06	0.94
	0.01	0.01	0.0	45,44,0	0.21	0.01	0.01	226,44,44			1.00	0.04	0.96
1380	0.07	0.08	0.0	224,221,0	0.20	8.18e-03	0.02230,221,221		0.34	230	0.85	0.06	0.94
	4.07e-03	5.20e-03	0.0	236,44,0	0.20	2.14e-03	2.14e-03	230,45,45			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.33	0.30	0.0	0.32	0.03	0.04	0.44

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
16	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.93	-19.5	201	0.79	-16.5	201	0.74	1.064e+04	2.748e+05	230

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
427	0.02	0.08	0.0	210,100,0	0.11	2.81e-03	0.01233,224,219		0.25	233	0.85	0.06	0.94
	6.68e-03	5.94e-03	0.0	236,233,0	0.11	1.81e-03	1.81e-03233,224,224				1.00	0.04	0.96
428	0.02	0.06	0.0	210,211,0	0.10	2.81e-03	9.46e-03233,224,224		0.25	233	0.85	0.06	0.94
	3.29e-03	5.45e-03	0.0	236,233,0	0.10	6.37e-04	6.37e-04233,209,209				1.00	0.04	0.96
429	0.01	0.10	0.0	218,100,0	0.11	2.43e-03	0.01233,221,219		0.25	233	0.85	0.06	0.94
	6.68e-03	5.94e-03	0.0	236,233,0	0.11	1.81e-03	1.81e-03233,224,224				1.00	0.04	0.96
430	0.02	0.11	0.0	218,100,0	0.11	9.42e-03	0.02233,221,219		0.25	233	0.85	0.06	0.94
	4.17e-03	3.87e-03	0.0	224,221,0	0.11	7.29e-03	7.29e-03233,221,221				1.00	0.04	0.96
443	0.03	0.12	0.0	218,219,0	0.11	0.03	0.04233,221,224		0.26	233	0.85	0.06	0.94
	4.17e-03	3.87e-03	0.0	224,221,0	0.11	7.29e-03	7.29e-03233,221,221				1.00	0.04	0.96
444	0.04	0.13	0.0	218,219,0	0.11	0.03	0.04225,221,224		0.26	225	0.85	0.06	0.94
	8.41e-03	0.01	0.0	221,221,0	0.11	0.01	0.01225,221,221				1.00	0.04	0.96
457	0.04	0.17	0.0	218,100,0	0.16	0.04	0.06225,221,224		0.30	225	0.85	0.06	0.94
	8.41e-03	0.01	0.0	221,221,0	0.16	0.01	0.01225,221,221				1.00	0.04	0.96
458	0.02	0.17	0.0	230,100,0	0.16	0.04	0.06225,221,224		0.30	225	0.85	0.06	0.94
	0.02	0.02	0.0	218,219,0	0.16	5.07e-03	5.07e-03225,218,218				1.00	0.04	0.96
459	0.28	0.39	0.0	230,231,0	0.11	2.81e-03	0.05233,224,231		0.25	233	0.85	0.06	0.94
	6.68e-03	5.94e-03	0.0	236,233,0	0.11	1.81e-03	1.81e-03233,224,224				1.00	0.04	0.96
460	0.28	0.39	0.0	230,231,0	0.10	2.81e-03	0.05233,224,231		0.25	233	0.85	0.06	0.94
	3.29e-03	5.45e-03	0.0	236,233,0	0.10	8.64e-04	8.64e-04233,219,219				1.00	0.04	0.96
461	0.24	0.33	0.0	230,231,0	0.11	2.43e-03	0.04233,221,225		0.25	233	0.85	0.06	0.94
	6.68e-03	5.94e-03	0.0	236,233,0	0.11	1.81e-03	1.81e-03233,224,224				1.00	0.04	0.96
462	0.20	0.29	0.0	230,231,0	0.11	9.42e-03	0.04233,221,231		0.25	233	0.85	0.06	0.94

	4.48e-03	3.87e-03	0.0	224,221,0	0.11	7.29e-03	7.29e-03	233,221,221			1.00	0.04	0.96
463	0.28	0.39	0.0	230,231,0	0.09	2.50e-03	0.05	233,218,231	0.22	233	0.85	0.06	0.94
	4.39e-03	2.78e-03	0.0	236,233,0	0.09	8.64e-04	8.64e-04	233,219,219			1.00	0.04	0.96
464	0.28	0.39	0.0	230,231,0	0.09	2.50e-03	0.05	233,218,231	0.22	233	0.85	0.06	0.94
	3.18e-03	2.10e-03	0.0	236,233,0	0.09	8.64e-04	8.64e-04	233,219,219			1.00	0.04	0.96
465	0.24	0.33	0.0	230,231,0	0.06	1.59e-03	0.04	233,217,225	0.19	233	0.85	0.06	0.94
	4.39e-03	2.78e-03	0.0	236,233,0	0.06	5.62e-04	5.62e-04	233,221,221			1.00	0.04	0.96
466	0.20	0.29	0.0	230,231,0	0.05	1.50e-03	0.04	233,218,231	0.17	233	0.85	0.06	0.94
	4.48e-03	3.55e-03	0.0	224,221,0	0.05	4.16e-03	4.16e-03	233,221,221			1.00	0.04	0.96
467	0.17	0.25	0.0	226,227,0	0.11	0.03	0.04	233,221,224	0.26	233	0.85	0.06	0.94
	4.48e-03	3.87e-03	0.0	224,221,0	0.11	7.29e-03	7.29e-03	233,221,221			1.00	0.04	0.96
468	0.13	0.20	0.0	226,227,0	0.11	0.03	0.04	225,221,224	0.26	225	0.85	0.06	0.94
	8.41e-03	0.01	0.0	221,221,0	0.11	0.01	0.01	225,221,221			1.00	0.04	0.96
469	0.17	0.25	0.0	226,227,0	0.04	4.09e-03	0.03	233,221,227	0.16	233	0.85	0.06	0.94
	4.48e-03	3.55e-03	0.0	224,221,0	0.04	4.16e-03	4.16e-03	233,221,221			1.00	0.04	0.96
470	0.13	0.20	0.0	226,227,0	0.04	4.09e-03	0.02	233,221,237	0.15	233	0.85	0.06	0.94
	6.46e-03	8.50e-03	0.0	224,221,0	0.04	4.65e-03	4.65e-03	233,221,221			1.00	0.04	0.96
471	0.09	0.17	0.0	226,100,0	0.16	0.04	0.06	225,221,224	0.30	225	0.85	0.06	0.94
	0.02	0.02	0.0	218,219,0	0.16	0.01	0.01	225,221,221			1.00	0.04	0.96
472	0.05	0.12	0.0	230,231,0	0.12	0.02	0.03	228,221,219	0.26	228	0.85	0.06	0.94
	0.02	0.02	0.0	218,219,0	0.12	6.84e-03	6.84e-03	228,221,221			1.00	0.04	0.96
473	0.09	0.17	0.0	226,227,0	0.04	2.60e-03	0.02	233,217,231	0.15	233	0.85	0.06	0.94
	6.46e-03	0.01	0.0	224,224,0	0.04	6.84e-03	6.84e-03	233,221,221			1.00	0.04	0.96
474	0.05	0.12	0.0	230,231,0	0.04	2.60e-03	0.01	236,217,231	0.15	236	0.85	0.06	0.94
	2.69e-03	0.01	0.0	221,224,0	0.04	6.84e-03	6.84e-03	236,221,221			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.28	0.39	0.0	0.16	0.04	0.06	0.30

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
17	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.68	10.9	204	0.64	10.3	204	0.51	8064.5	-1.608e+05	233

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
475	0.13	0.16	0.0	233,236,0	0.05	2.09e-03	0.02	236,219,216	0.17	236	0.85	0.06	0.94
	0.0	6.04e-03	0.0	0,100,0	0.05	1.69e-03	1.69e-03	236,219,219			0.0	0.0	0.0
476	0.13	0.16	0.0	233,236,0	0.05	2.09e-03	0.02	236,219,216	0.17	236	0.85	0.06	0.94
	6.69e-05	6.04e-03	0.0	227,100,0	0.05	1.69e-03	1.69e-03	236,219,219			1.00	0.04	0.96
477	0.13	0.16	0.0	233,236,0	0.05	2.09e-03	0.02	236,219,216	0.17	236	0.85	0.06	0.94
	6.69e-05	6.04e-03	0.0	227,100,0	0.05	1.69e-03	1.69e-03	236,219,219			1.00	0.04	0.96
478	0.13	0.16	0.0	233,236,0	0.05	2.09e-03	0.02	236,219,216	0.17	236	0.85	0.06	0.94
	0.0	6.04e-03	0.0	0,100,0	0.05	1.69e-03	1.69e-03	236,219,219			0.0	0.0	0.0
479	0.11	0.15	0.0	233,236,0	0.04	5.42e-04	0.02	236,218,236	0.16	236	0.85	0.06	0.94
	6.69e-05	2.80e-03	0.0	227,100,0	0.04	1.11e-03	1.11e-03	236,219,219			1.00	0.04	0.96
480	0.11	0.15	0.0	233,236,0	0.04	5.42e-04	0.02	236,218,236	0.16	236	0.85	0.06	0.94
	6.69e-05	2.80e-03	0.0	227,100,0	0.04	1.11e-03	1.11e-03	236,219,219			1.00	0.04	0.96
481	0.08	0.13	0.0	233,236,0	0.04	7.03e-04	0.01	236,210,236	0.16	236	0.85	0.06	0.94
	0.0	1.31e-03	0.0	0,100,0	0.04	4.71e-04	4.71e-04	236,219,219			0.0	0.0	0.0
482	0.08	0.13	0.0	233,236,0	0.04	7.03e-04	0.01	236,210,236	0.16	236	0.85	0.06	0.94
	0.0	1.31e-03	0.0	0,100,0	0.04	4.71e-04	4.71e-04	236,219,219			0.0	0.0	0.0
483	0.06	0.11	0.0	233,236,0	0.04	7.03e-04	0.01	236,210,240	0.16	236	0.85	0.06	0.94
	0.0	1.97e-03	0.0	0,100,0	0.04	5.89e-04	5.89e-04	236,219,219			0.0	0.0	0.0
484	0.06	0.11	0.0	233,236,0	0.04	7.03e-04	0.01	236,210,240	0.16	236	0.85	0.06	0.94
	0.0	1.97e-03	0.0	0,100,0	0.04	5.89e-04	5.89e-04	236,219,219			0.0	0.0	0.0
485	0.04	0.10	0.0	237,240,0	0.04	8.45e-04	0.01	236,213,236	0.16	236	0.85	0.06	0.94
	0.0	5.32e-03	0.0	0,100,0	0.04	5.89e-04	5.89e-04	236,219,219			0.0	0.0	0.0
486	0.04	0.10	0.0	237,240,0	0.04	8.45e-04	0.01	236,213,236	0.16	236	0.85	0.06	0.94
	0.0	5.32e-03	0.0	0,100,0	0.04	5.89e-04	5.89e-04	236,219,219			0.0	0.0	0.0
487	0.02	0.13	0.0	237,100,0	0.06	3.34e-03	0.02	236,218,100	0.19	236	0.85	0.06	0.94
	9.90e-03	8.22e-03	0.0	236,233,0	0.06	1.56e-03	1.56e-03	236,218,218			1.00	0.04	0.96
488	0.02	0.13	0.0	237,100,0	0.06	2.56e-03	0.02	236,100,100	0.19	236	0.85	0.06	0.94
	0.0	5.35e-03	0.0	0,100,0	0.06	1.56e-03	1.56e-03	236,218,218			0.0	0.0	0.0
489	0.02	0.06	0.0	237,240,0	0.06	3.34e-03	7.81e-03	233,218,224	0.19	233	0.85	0.06	0.94
	9.90e-03	8.22e-03	0.0	236,233,0	0.06	9.80e-04	9.80e-04	233,231,231			1.00	0.04	0.96
490	0.02	0.13	0.0	237,100,0	0.06	3.34e-03	0.02	236,218,100	0.19	236	0.85	0.06	0.94
	9.90e-03	8.22e-03	0.0	236,233,0	0.06	1.56e-03	1.56e-03	236,218,218			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.13	0.16	0.0	0.06	3.34e-03	0.02	0.19

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
18	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.82	139.7	186	0.81	138.2	186	0.96	1.094e+04	6.747e+06	219

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
477	0.13	0.21	0.0	230,231,0	0.15	0.03	0.06	218,231,231	0.30	218	0.85	0.06	0.94
	0.01	8.99e-03	0.0	230,231,0	0.15	8.33e-03	8.33e-03	218,230,230			1.00	0.04	0.96
478	0.13	0.21	0.0	230,231,0	0.15	0.03	0.06	218,231,231	0.30	218	0.85	0.06	0.94
	9.21e-03	7.54e-03	0.0	230,231,0	0.15	5.05e-03	5.05e-03	218,234,234			1.00	0.04	0.96
480	0.13	0.20	0.0	230,231,0	0.13	8.82e-03	0.04	221,225,231	0.28	221	0.85	0.06	0.94
	0.01	8.99e-03	0.0	230,231,0	0.13	8.33e-03	8.33e-03	221,230,230			1.00	0.04	0.96
482	0.10	0.18	0.0	230,231,0	0.14	8.62e-03	0.04	217,226,231	0.28	217	0.85	0.06	0.94
	0.01	8.69e-03	0.0	228,228,0	0.14	8.20e-03	8.20e-03	217,228,228			1.00	0.04	0.96
484	0.07	0.15	0.0	230,231,0	0.14	9.27e-03	0.04	217,226,231	0.29	217	0.85	0.06	0.94
	0.01	0.01	0.0	232,230,0	0.14	0.01	0.01	217,230,230			1.00	0.04	0.96
486	0.03	0.11	0.0	230,231,0	0.15	0.01	0.03	221,233,231	0.30	221	0.85	0.06	0.94
	0.01	0.02	0.0	232,226,0	0.15	0.01	0.01	221,226,226			1.00	0.04	0.96
488	0.0	0.09	0.0	0,100,0	0.18	0.01	0.02	218,233,233	0.32	218	0.0	0.0	0.0
	0.02	0.02	0.0	231,230,0	0.18	0.01	0.01	218,226,226			1.00	0.04	0.96
490	0.0	0.08	0.0	0,100,0	0.18	0.01	0.02	218,233,233	0.32	218	0.0	0.0	0.0
	0.02	0.02	0.0	231,230,0	0.18	0.01	0.01	218,226,226			1.00	0.04	0.96
491	0.33	0.31	0.0	219,218,0	0.17	3.71e-03	0.04	218,225,218	0.32	218	0.85	0.06	0.94
	0.01	9.51e-03	0.0	219,218,0	0.17	3.22e-03	3.22e-03	218,225,225			1.00	0.04	0.96
492	0.33	0.31	0.0	219,218,0	0.16	3.71e-03	0.04	218,225,218	0.31	218	0.85	0.06	0.94
	7.77e-03	5.61e-03	0.0	219,218,0	0.16	3.22e-03	3.22e-03	218,225,225			1.00	0.04	0.96
493	0.30	0.27	0.0	219,218,0	0.17	3.00e-03	0.03	218,225,218	0.32	218	0.85	0.06	0.94
	0.01	9.51e-03	0.0	219,218,0	0.17	1.68e-03	1.68e-03	218,233,233			1.00	0.04	0.96
494	0.26	0.24	0.0	219,218,0	0.17	2.16e-03	0.03	218,225,218	0.32	218	0.85	0.06	0.94
	0.01	7.09e-03	0.0	219,218,0	0.17	1.68e-03	1.68e-03	218,233,233			1.00	0.04	0.96
495	0.11	0.11	0.0	219,218,0	0.17	1.75e-03	0.01	218,233,218	0.32	218	0.85	0.06	0.94
	0.01	9.51e-03	0.0	219,218,0	0.17	3.34e-03	3.34e-03	218,225,225			1.00	0.04	0.96
496	0.11	0.11	0.0	219,218,0	0.16	1.75e-03	0.01	218,233,218	0.31	218	0.85	0.06	0.94
	7.77e-03	5.61e-03	0.0	219,218,0	0.16	3.34e-03	3.34e-03	218,225,225			1.00	0.04	0.96
497	0.11	0.11	0.0	219,218,0	0.18	1.36e-03	0.01	218,233,218	0.32	218	0.85	0.06	0.94
	0.01	9.51e-03	0.0	219,218,0	0.18	1.78e-03	1.78e-03	218,228,228			1.00	0.04	0.96
498	0.11	0.11	0.0	219,218,0	0.18	1.16e-03	0.01	218,233,218	0.33	218	0.85	0.06	0.94
	0.01	9.05e-03	0.0	223,233,0	0.18	3.49e-03	3.49e-03	218,228,228			1.00	0.04	0.96
499	0.05	0.07	0.0	224,221,0	0.18	7.79e-03	0.01	218,233,233	0.32	218	0.85	0.06	0.94
	0.01	9.50e-03	0.0	223,237,0	0.18	5.21e-03	5.21e-03	218,225,225			1.00	0.04	0.96
500	0.05	0.07	0.0	224,221,0	0.17	7.79e-03	0.01	218,233,233	0.31	218	0.85	0.06	0.94
	5.73e-03	4.86e-03	0.0	223,237,0	0.17	3.34e-03	3.34e-03	218,225,225			1.00	0.04	0.96
501	0.05	0.06	0.0	224,221,0	0.19	4.97e-03	0.01	218,233,233	0.33	218	0.85	0.06	0.94
	0.01	9.50e-03	0.0	232,237,0	0.19	7.29e-03	7.29e-03	218,225,225			1.00	0.04	0.96
502	0.05	0.06	0.0	224,221,0	0.19	1.96e-03	0.01	218,228,233	0.34	218	0.85	0.06	0.94
	0.02	0.01	0.0	232,230,0	0.19	8.07e-03	8.07e-03	218,225,225			1.00	0.04	0.96
503	0.06	0.10	0.0	228,225,0	0.18	0.02	0.03	218,225,225	0.32	218	0.85	0.06	0.94
	0.03	0.02	0.0	228,225,0	0.18	0.02	0.02	218,228,228			1.00	0.04	0.96
504	0.06	0.10	0.0	228,225,0	0.17	0.02	0.03	218,225,225	0.31	218	0.85	0.06	0.94
	0.01	9.71e-03	0.0	228,225,0	0.17	8.77e-03	8.77e-03	218,236,236			1.00	0.04	0.96
505	0.06	0.09	0.0	228,225,0	0.19	5.34e-03	0.02	218,233,233	0.33	218	0.85	0.06	0.94
	0.04	0.03	0.0	228,225,0	0.19	0.02	0.02	218,228,228			1.00	0.04	0.96
506	0.05	0.08	0.0	236,233,0	0.19	4.28e-03	0.02	218,228,233	0.34	218	0.85	0.06	0.94
	0.04	0.03	0.0	228,228,0	0.19	0.02	0.02	218,225,225			1.00	0.04	0.96
507	0.07	0.12	0.0	230,231,0	0.19	0.02	0.04	218,225,225	0.33	218	0.85	0.06	0.94
	0.03	0.02	0.0	228,225,0	0.19	0.03	0.03	218,228,228			1.00	0.04	0.96
508	0.06	0.11	0.0	228,225,0	0.17	0.02	0.04	218,225,225	0.32	218	0.85	0.06	0.94
	0.01	9.71e-03	0.0	228,225,0	0.17	0.02	0.02	218,228,228			1.00	0.04	0.96
509	0.07	0.12	0.0	230,231,0	0.20	8.02e-03	0.03	218,233,225	0.34	218	0.85	0.06	0.94
	0.04	0.03	0.0	228,225,0	0.20	0.03	0.03	218,228,228			1.00	0.04	0.96
510	0.06	0.11	0.0	230,231,0	0.21	5.84e-03	0.03	218,230,231	0.35	218	0.85	0.06	0.94
	0.04	0.03	0.0	228,228,0	0.21	0.02	0.02	218,228,228			1.00	0.04	0.96
511	0.13	0.21	0.0	230,231,0	0.19	0.03	0.06	218,231,231	0.33	218	0.85	0.06	0.94

	0.02	0.02	0.0 228,225,0	0.19	0.03	0.03218,228,228			1.00	0.04	0.96
512	0.13	0.21	0.0 230,231,0	0.17	0.03	0.06218,231,231	0.32	218	0.85	0.06	0.94
	9.21e-03	7.54e-03	0.0 230,231,0	0.17	0.02	0.02218,228,228			1.00	0.04	0.96
513	0.13	0.20	0.0 230,231,0	0.20	8.82e-03	0.04218,225,231	0.34	218	0.85	0.06	0.94
	0.03	0.02	0.0 228,225,0	0.20	0.03	0.03218,228,228			1.00	0.04	0.96
514	0.10	0.18	0.0 230,231,0	0.21	8.62e-03	0.04218,226,231	0.35	218	0.85	0.06	0.94
	0.04	0.03	0.0 228,228,0	0.21	0.02	0.02218,228,228			1.00	0.04	0.96
519	0.23	0.20	0.0 219,218,0	0.16	1.48e-03	0.02218,225,218	0.31	218	0.85	0.06	0.94
	7.75e-03	5.34e-03	0.0 231,237,0	0.16	2.16e-03	2.16e-03218,228,228			1.00	0.04	0.96
520	0.19	0.17	0.0 219,218,0	0.15	1.90e-03	0.02218,239,218	0.30	218	0.85	0.06	0.94
	4.20e-03	5.42e-03	0.0 231,230,0	0.15	3.06e-03	3.06e-03218,228,228			1.00	0.04	0.96
521	0.11	0.11	0.0 219,218,0	0.18	9.61e-04	0.01218,233,218	0.33	218	0.85	0.06	0.94
	0.01	0.01	0.0 231,230,0	0.18	4.71e-03	4.71e-03218,228,228			1.00	0.04	0.96
522	0.11	0.11	0.0 219,218,0	0.18	1.32e-03	0.01218,227,218	0.33	218	0.85	0.06	0.94
	0.01	0.01	0.0 231,230,0	0.18	5.36e-03	5.36e-03218,228,228			1.00	0.04	0.96
523	0.04	0.06	0.0 224,221,0	0.19	3.50e-03	0.01218,233,233	0.34	218	0.85	0.06	0.94
	0.02	0.02	0.0 228,228,0	0.19	8.07e-03	8.07e-03218,225,225			1.00	0.04	0.96
524	0.04	0.06	0.0 224,221,0	0.19	4.41e-03	0.01218,233,233	0.34	218	0.85	0.06	0.94
	0.03	0.03	0.0 225,228,0	0.19	7.88e-03	7.88e-03218,228,228			1.00	0.04	0.96
525	0.04	0.07	0.0 236,233,0	0.19	5.35e-03	0.02218,228,233	0.34	218	0.85	0.06	0.94
	0.05	0.04	0.0 228,228,0	0.19	0.01	0.01218,225,225			1.00	0.04	0.96
526	0.02	0.06	0.0 236,233,0	0.19	6.34e-03	0.02218,233,233	0.34	218	0.85	0.06	0.94
	0.05	0.04	0.0 225,228,0	0.19	0.01	0.01218,225,225			1.00	0.04	0.96
527	0.05	0.10	0.0 230,231,0	0.21	6.46e-03	0.03218,230,231	0.35	218	0.85	0.06	0.94
	0.05	0.04	0.0 228,228,0	0.21	0.01	0.01218,225,225			1.00	0.04	0.96
528	0.03	0.08	0.0 230,231,0	0.21	7.68e-03	0.02218,233,231	0.35	218	0.85	0.06	0.94
	0.05	0.04	0.0 225,228,0	0.21	0.01	0.01218,225,225			1.00	0.04	0.96
529	0.07	0.15	0.0 230,231,0	0.21	9.27e-03	0.04218,226,231	0.35	218	0.85	0.06	0.94
	0.04	0.04	0.0 228,228,0	0.21	0.01	0.01218,225,225			1.00	0.04	0.96
530	0.03	0.11	0.0 230,231,0	0.21	0.01	0.03218,233,231	0.35	218	0.85	0.06	0.94
	0.05	0.04	0.0 231,230,0	0.21	0.01	0.01218,225,225			1.00	0.04	0.96
533	0.16	0.14	0.0 219,218,0	0.14	2.44e-03	0.02218,227,218	0.29	218	0.85	0.06	0.94
	9.77e-03	7.19e-03	0.0 231,230,0	0.14	4.58e-03	4.58e-03218,226,226			1.00	0.04	0.96
534	0.14	0.13	0.0 219,218,0	0.13	2.44e-03	0.02218,227,218	0.28	218	0.85	0.06	0.94
	9.77e-03	7.19e-03	0.0 231,230,0	0.13	4.58e-03	4.58e-03218,226,226			1.00	0.04	0.96
535	0.11	0.11	0.0 219,218,0	0.18	1.90e-03	0.01218,227,218	0.32	218	0.85	0.06	0.94
	0.02	0.02	0.0 231,230,0	0.18	6.90e-03	6.90e-03218,226,226			1.00	0.04	0.96
536	0.10	0.10	0.0 219,218,0	0.17	1.90e-03	0.01218,227,218	0.32	218	0.85	0.06	0.94
	0.02	0.02	0.0 231,230,0	0.17	6.90e-03	6.90e-03218,226,226			1.00	0.04	0.96
537	0.04	0.06	0.0 224,221,0	0.19	4.41e-03	0.01218,233,233	0.34	218	0.85	0.06	0.94
	0.04	0.03	0.0 231,230,0	0.19	8.34e-03	8.34e-03218,226,226			1.00	0.04	0.96
538	0.04	0.05	0.0 224,221,0	0.19	4.37e-03	8.69e-03218,233,233	0.33	218	0.85	0.06	0.94
	0.04	0.03	0.0 231,230,0	0.19	8.34e-03	8.34e-03218,226,226			1.00	0.04	0.96
539	0.01	0.04	0.0 224,100,0	0.19	7.85e-03	0.01218,233,233	0.34	218	0.85	0.06	0.94
	0.06	0.05	0.0 231,230,0	0.19	0.01	0.01218,225,225			1.00	0.04	0.96
540	0.01	0.04	0.0 224,100,0	0.19	7.85e-03	0.01218,233,233	0.33	218	0.85	0.06	0.94
	0.06	0.05	0.0 231,230,0	0.19	9.81e-03	9.81e-03218,228,228			1.00	0.04	0.96
541	0.01	0.06	0.0 230,231,0	0.21	0.01	0.02218,233,239	0.35	218	0.85	0.06	0.94
	0.06	0.05	0.0 231,230,0	0.21	0.02	0.02218,225,225			1.00	0.04	0.96
542	5.43e-03	0.05	0.0 230,100,0	0.21	0.01	0.02218,233,239	0.35	218	0.85	0.06	0.94
	0.06	0.05	0.0 231,230,0	0.21	0.02	0.02218,225,225			1.00	0.04	0.96
543	0.01	0.09	0.0 230,100,0	0.21	0.01	0.02218,233,233	0.35	218	0.85	0.06	0.94
	0.06	0.05	0.0 227,226,0	0.21	0.02	0.02218,225,225			1.00	0.04	0.96
544	5.43e-03	0.08	0.0 230,100,0	0.21	0.01	0.02218,233,233	0.35	218	0.85	0.06	0.94
	0.06	0.05	0.0 227,226,0	0.21	0.02	0.02218,225,225			1.00	0.04	0.96
1381	0.33	0.31	0.0 219,218,0	0.13	3.71e-03	0.04218,225,218	0.28	218	0.85	0.06	0.94
	6.86e-03	4.83e-03	0.0 219,218,0	0.13	2.83e-03	2.83e-03218,225,225			1.00	0.04	0.96
2753	0.33	0.31	0.0 219,218,0	0.13	3.71e-03	0.04218,225,218	0.28	218	0.85	0.06	0.94
	4.14e-03	3.14e-03	0.0 219,218,0	0.13	2.83e-03	2.83e-03218,225,225			1.00	0.04	0.96
2755	0.30	0.27	0.0 219,218,0	0.10	3.00e-03	0.03218,225,218	0.24	218	0.85	0.06	0.94
	6.86e-03	4.83e-03	0.0 219,218,0	0.10	1.17e-03	1.17e-03218,233,233			1.00	0.04	0.96
2757	0.26	0.24	0.0 219,218,0	0.08	2.16e-03	0.03218,225,218	0.22	218	0.85	0.06	0.94
	4.50e-03	3.09e-03	0.0 219,218,0	0.08	1.17e-03	1.17e-03218,233,233			1.00	0.04	0.96
2759	0.23	0.20	0.0 219,218,0	0.07	1.48e-03	0.02218,225,218	0.20	218	0.85	0.06	0.94
	2.95e-03	2.00e-03	0.0 219,218,0	0.07	9.92e-04	9.92e-04218,233,233			1.00	0.04	0.96
2761	0.19	0.17	0.0 219,218,0	0.06	1.90e-03	0.02218,239,218	0.19	218	0.85	0.06	0.94
	2.61e-03	1.82e-03	0.0 47,16,0	0.06	2.95e-04	2.95e-04218,239,239			1.00	0.04	0.96
2763	0.16	0.14	0.0 219,218,0	0.06	2.18e-03	0.02218,227,218	0.19	218	0.85	0.06	0.94
	2.61e-03	1.82e-03	0.0 47,16,0	0.06	1.08e-03	1.08e-03 218,44,44			1.00	0.04	0.96
2767	0.14	0.13	0.0 219,218,0	0.06	2.44e-03	0.02218,227,218	0.19	218	0.85	0.06	0.94
	6.34e-03	3.70e-03	0.0 227,45,0	0.06	1.08e-03	1.08e-03 218,44,44			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.33	0.31	0.0	0.21	0.03	0.06	0.35

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
19	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.88	-136.5	187	0.87	-135.3	187	0.62	7634.3	-3.013e+06	218

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
547	0.0	0.17	0.0	0,100,0	0.17	1.55e-03	0.02219,232,100		0.32	219	0.0	0.0	0.0
	3.23e-03	2.24e-03	0.0	219,218,0	0.17	4.06e-04	4.06e-04219,228,228				1.00	0.04	0.96
548	0.0	0.17	0.0	0,100,0	0.17	1.55e-03	0.02219,232,100		0.32	219	0.0	0.0	0.0
	3.94e-03	3.33e-03	0.0	219,218,0	0.17	4.06e-04	4.06e-04219,228,228				1.00	0.04	0.96
549	0.03	0.17	0.0	218,100,0	0.24	1.55e-03	0.02219,232,100		0.37	219	0.85	0.06	0.94
	3.94e-03	3.72e-03	0.0	219,218,0	0.24	4.27e-04	4.27e-04219,228,228				1.00	0.04	0.96
550	0.03	0.17	0.0	218,100,0	0.20	1.55e-03	0.02219,232,100		0.35	219	0.85	0.06	0.94
	3.23e-03	2.79e-03	0.0	219,218,0	0.20	4.27e-04	4.27e-04219,228,228				1.00	0.04	0.96
551	0.0	0.17	0.0	0,100,0	0.15	1.28e-03	0.02219,232,100		0.29	219	0.0	0.0	0.0
	3.94e-03	3.33e-03	0.0	219,218,0	0.15	1.04e-04	1.04e-04219,225,225				1.00	0.04	0.96
552	0.02	0.17	0.0	218,100,0	0.26	1.28e-03	0.02219,232,100		0.40	219	0.85	0.06	0.94
	3.94e-03	3.72e-03	0.0	219,218,0	0.26	1.04e-04	1.04e-04219,225,225				1.00	0.04	0.96
553	0.02	0.18	0.0	218,100,0	0.14	9.11e-04	0.02219,232,100		0.28	219	0.85	0.06	0.94
	3.63e-04	3.43e-03	0.0	219,100,0	0.14	2.98e-05	2.98e-05219,216,216				1.00	0.04	0.96
554	0.02	0.18	0.0	218,100,0	0.29	9.11e-04	0.02219,232,100		0.41	219	0.85	0.06	0.94
	3.63e-04	5.03e-03	0.0	219,100,0	0.29	5.94e-05	5.94e-05219,219,219				1.00	0.04	0.96
555	0.03	0.12	0.0	218,219,0	0.24	1.51e-03	0.01219,235,219		0.37	219	0.85	0.06	0.94
	2.62e-03	4.16e-03	0.0	219,219,0	0.24	4.30e-04	4.30e-04219,228,228				1.00	0.04	0.96
556	0.03	0.12	0.0	218,219,0	0.20	1.51e-03	0.01219,235,219		0.35	219	0.85	0.06	0.94
	2.62e-03	2.79e-03	0.0	219,218,0	0.20	4.30e-04	4.30e-04219,228,228				1.00	0.04	0.96
557	0.02	0.11	0.0	218,219,0	0.26	1.19e-03	0.01219,239,219		0.40	219	0.85	0.06	0.94
	2.58e-03	5.53e-03	0.0	218,219,0	0.26	9.87e-05	9.87e-05219,225,225				1.00	0.04	0.96
558	0.02	0.11	0.0	218,219,0	0.29	7.94e-04	0.01219,240,219		0.41	219	0.85	0.06	0.94
	3.05e-03	7.09e-03	0.0	218,219,0	0.29	5.94e-05	5.94e-05219,219,219				1.00	0.04	0.96
559	0.0	0.05	0.0	0,100,0	0.21	1.53e-03	5.52e-03219,235,231		0.35	219	0.0	0.0	0.0
	6.80e-03	7.12e-03	0.0	218,219,0	0.21	4.30e-04	4.30e-04219,228,228				1.00	0.04	0.96
560	0.0	0.05	0.0	0,100,0	0.20	1.53e-03	5.22e-03219,235,231		0.34	219	0.0	0.0	0.0
	3.41e-03	3.74e-03	0.0	218,219,0	0.20	4.30e-04	4.30e-04219,228,228				1.00	0.04	0.96
561	0.0	0.05	0.0	0,100,0	0.22	1.26e-03	5.52e-03219,235,231		0.36	219	0.0	0.0	0.0
	6.80e-03	7.12e-03	0.0	218,219,0	0.22	9.92e-05	9.92e-05219,212,212				1.00	0.04	0.96
562	0.0	0.05	0.0	0,100,0	0.23	8.62e-04	5.39e-03219,235,231		0.37	219	0.0	0.0	0.0
	5.85e-03	7.22e-03	0.0	218,219,0	0.23	6.13e-05	6.13e-05219,219,219				1.00	0.04	0.96
563	0.02	0.03	0.0	218,219,0	0.20	1.53e-03	4.26e-03219,235,231		0.34	219	0.85	0.06	0.94
	0.01	8.90e-03	0.0	218,219,0	0.20	4.30e-04	4.30e-04219,228,228				1.00	0.04	0.96
564	0.01	0.03	0.0	218,100,0	0.19	1.53e-03	3.64e-03219,235,231		0.33	219	0.85	0.06	0.94
	6.55e-03	5.31e-03	0.0	218,219,0	0.19	4.30e-04	4.30e-04219,228,228				1.00	0.04	0.96
565	0.02	0.04	0.0	218,219,0	0.20	1.26e-03	4.49e-03219,235,231		0.35	219	0.85	0.06	0.94
	0.01	8.90e-03	0.0	218,219,0	0.20	9.92e-05	9.92e-05219,212,212				1.00	0.04	0.96
566	0.02	0.04	0.0	218,219,0	0.20	8.62e-04	4.49e-03219,235,231		0.35	219	0.85	0.06	0.94
	7.31e-03	7.22e-03	0.0	218,219,0	0.20	6.64e-05	6.64e-05219,219,219				1.00	0.04	0.96
567	0.21	0.20	0.0	218,219,0	0.20	1.46e-03	0.02219,234,219		0.34	219	0.85	0.06	0.94
	0.01	8.90e-03	0.0	218,219,0	0.20	4.28e-04	4.28e-04219,228,228				1.00	0.04	0.96
568	0.21	0.20	0.0	218,219,0	0.19	1.46e-03	0.02219,234,219		0.33	219	0.85	0.06	0.94
	6.55e-03	5.31e-03	0.0	218,219,0	0.19	4.28e-04	4.28e-04219,228,228				1.00	0.04	0.96
569	0.17	0.16	0.0	218,219,0	0.20	1.20e-03	0.02219,234,219		0.34	219	0.85	0.06	0.94
	0.01	8.90e-03	0.0	218,219,0	0.20	1.04e-04	1.04e-04219,225,225				1.00	0.04	0.96
570	0.13	0.12	0.0	218,219,0	0.20	8.30e-04	0.01219,235,219		0.34	219	0.85	0.06	0.94
	7.31e-03	6.67e-03	0.0	218,219,0	0.20	6.64e-05	6.64e-05219,219,219				1.00	0.04	0.96
571	0.21	0.20	0.0	218,219,0	0.15	1.46e-03	0.02219,234,219		0.30	219	0.85	0.06	0.94
	6.43e-03	4.82e-03	0.0	218,219,0	0.15	4.05e-04	4.05e-04219,228,228				1.00	0.04	0.96
572	0.21	0.20	0.0	218,219,0	0.15	1.46e-03	0.02219,234,219		0.30	219	0.85	0.06	0.94
	4.01e-03	3.16e-03	0.0	218,219,0	0.15	4.05e-04	4.05e-04219,228,228				1.00	0.04	0.96
573	0.17	0.16	0.0	218,219,0	0.12	1.20e-03	0.02219,234,219		0.27	219	0.85	0.06	0.94
	6.43e-03	4.82e-03	0.0	218,219,0	0.12	1.04e-04	1.04e-04219,225,225				1.00	0.04	0.96
574	0.13	0.12	0.0	218,219,0	0.10	8.18e-04	0.01219,234,219		0.24	219	0.85	0.06	0.94
	3.78e-03	3.02e-03	0.0	218,219,0	0.10	3.78e-05	3.78e-05219,230,230				1.00	0.04	0.96
575	0.06	0.21	0.0	218,219,0	0.15	5.03e-04	0.02219,226,219		0.29	219	0.85	0.06	0.94
	0.0	7.16e-03	0.0	0,100,0	0.15	3.22e-05	3.22e-05219,216,216				0.0	0.0	0.0
576	0.06	0.21	0.0	218,219,0	0.31	5.20e-04	0.02219,226,219		0.43	219	0.85	0.06	0.94
	7.51e-04	8.28e-03	0.0	218,100,0	0.31	8.22e-05	8.22e-05219,224,224				1.00	0.04	0.96
577	0.10	0.25	0.0	218,219,0	0.16	1.26e-03	0.03219,234,219		0.31	219	0.85	0.06	0.94
	0.0	0.01	0.0	0,100,0	0.16	1.61e-04	1.61e-04219,228,228				0.0	0.0	0.0

578	0.10	0.25	0.0	218,219,0	0.33	1.26e-03	0.03219,235,219	0.44	219	0.85	0.06	0.94
	7.51e-04	0.01	0.0	218,100,0	0.33	1.66e-04	1.66e-04219,228,228			1.00	0.04	0.96
579	0.01	0.10	0.0	218,219,0	0.31	5.55e-04	0.01219,235,219	0.43	219	0.85	0.06	0.94
	3.05e-03	9.18e-03	0.0	218,219,0	0.31	1.14e-04	1.14e-04219,219,219			1.00	0.04	0.96
580	0.01	0.10	0.0	218,100,0	0.33	1.35e-03	0.01219,235,219	0.44	219	0.85	0.06	0.94
	2.71e-03	0.01	0.0	218,100,0	0.33	1.66e-04	1.66e-04219,228,228			1.00	0.04	0.96
581	0.0	0.05	0.0	0,100,0	0.23	5.55e-04	4.86e-03219,235,231	0.37	219	0.0	0.0	0.0
	4.82e-03	9.18e-03	0.0	218,219,0	0.23	1.14e-04	1.14e-04219,219,219			1.00	0.04	0.96
582	0.0	0.04	0.0	0,100,0	0.23	1.43e-03	4.70e-03219,235,231	0.37	219	0.0	0.0	0.0
	3.53e-03	0.01	0.0	218,219,0	0.23	3.37e-04	3.37e-04219,211,211			1.00	0.04	0.96
583	0.02	0.03	0.0	218,219,0	0.20	5.50e-04	4.18e-03219,239,231	0.35	219	0.85	0.06	0.94
	4.82e-03	8.04e-03	0.0	218,219,0	0.20	1.68e-04	1.68e-04219,219,219			1.00	0.04	0.96
584	0.02	0.03	0.0	218,219,0	0.20	1.43e-03	4.43e-03218,235,231	0.34	218	0.85	0.06	0.94
	3.53e-03	9.08e-03	0.0	218,219,0	0.20	3.37e-04	3.37e-04218,211,211			1.00	0.04	0.96
585	0.09	0.09	0.0	218,219,0	0.19	6.66e-04	9.93e-03219,228,219	0.33	219	0.85	0.06	0.94
	4.77e-03	5.49e-03	0.0	218,219,0	0.19	1.68e-04	1.68e-04219,219,219			1.00	0.04	0.96
586	0.06	0.06	0.0	218,219,0	0.18	1.45e-03	6.48e-03218,236,219	0.33	218	0.85	0.06	0.94
	2.31e-03	5.06e-03	0.0	218,100,0	0.18	2.03e-04	2.03e-04218,231,231			1.00	0.04	0.96
587	0.09	0.09	0.0	218,219,0	0.08	6.66e-04	9.93e-03219,228,219	0.22	219	0.85	0.06	0.94
	2.15e-03	2.04e-03	0.0	218,219,0	0.08	4.09e-05	4.09e-05219,228,228			1.00	0.04	0.96
588	0.06	0.06	0.0	218,219,0	0.08	1.45e-03	6.48e-03218,236,219	0.21	218	0.85	0.06	0.94
	5.44e-04	1.89e-03	0.0	218,100,0	0.08	2.03e-04	2.03e-04218,231,231			1.00	0.04	0.96
589	0.14	0.28	0.0	218,219,0	0.19	2.24e-03	0.04219,234,219	0.33	219	0.85	0.06	0.94
	0.0	0.02	0.0	0,100,0	0.19	4.82e-04	4.82e-04219,232,232			0.0	0.0	0.0
590	0.14	0.28	0.0	218,219,0	0.35	2.24e-03	0.04219,234,219	0.45	219	0.85	0.06	0.94
	5.97e-03	0.02	0.0	218,100,0	0.35	4.97e-04	4.97e-04219,225,225			1.00	0.04	0.96
591	0.14	0.28	0.0	218,219,0	0.19	2.24e-03	0.04219,234,219	0.33	219	0.85	0.06	0.94
	0.0	0.02	0.0	0,100,0	0.19	4.82e-04	4.82e-04219,232,232			0.0	0.0	0.0
592	0.14	0.28	0.0	218,219,0	0.35	2.24e-03	0.04219,234,219	0.45	219	0.85	0.06	0.94
	5.97e-03	0.02	0.0	218,100,0	0.35	4.97e-04	4.97e-04219,225,225			1.00	0.04	0.96
593	9.09e-03	0.10	0.0	218,100,0	0.35	2.20e-03	0.01219,233,219	0.45	219	0.85	0.06	0.94
	5.97e-03	0.01	0.0	218,100,0	0.35	4.97e-04	4.97e-04219,225,225			1.00	0.04	0.96
594	3.85e-03	0.10	0.0	218,100,0	0.35	2.20e-03	0.01219,233,100	0.45	219	0.85	0.06	0.94
	5.97e-03	0.01	0.0	218,219,0	0.35	4.97e-04	4.97e-04219,225,225			1.00	0.04	0.96
595	0.0	0.04	0.0	0,100,0	0.23	2.20e-03	4.69e-03219,233,231	0.37	219	0.0	0.0	0.0
	5.42e-03	0.01	0.0	218,219,0	0.23	6.87e-04	6.87e-04219,231,231			1.00	0.04	0.96
596	0.0	0.04	0.0	0,100,0	0.22	2.20e-03	4.62e-03219,233,233	0.36	219	0.0	0.0	0.0
	5.42e-03	8.31e-03	0.0	218,219,0	0.22	6.87e-04	6.87e-04219,231,231			1.00	0.04	0.96
597	0.02	0.03	0.0	218,219,0	0.20	2.40e-03	4.74e-03218,235,231	0.34	218	0.85	0.06	0.94
	4.04e-03	9.08e-03	0.0	218,219,0	0.20	1.81e-03	1.81e-03218,219,219			1.00	0.04	0.96
598	0.02	0.03	0.0	218,219,0	0.19	2.40e-03	4.74e-03218,235,231	0.34	218	0.85	0.06	0.94
	4.04e-03	5.85e-03	0.0	218,219,0	0.19	1.81e-03	1.81e-03218,219,219			1.00	0.04	0.96
599	0.02	0.03	0.0	218,219,0	0.17	2.40e-03	4.74e-03218,235,231	0.32	218	0.85	0.06	0.94
	3.20e-03	5.06e-03	0.0	218,100,0	0.17	2.48e-03	2.48e-03218,211,211			1.00	0.04	0.96
600	0.02	0.03	0.0	218,219,0	0.16	2.40e-03	4.74e-03218,235,231	0.31	218	0.85	0.06	0.94
	3.20e-03	4.88e-03	0.0	218,219,0	0.16	2.48e-03	2.48e-03218,211,211			1.00	0.04	0.96
601	0.02	0.03	0.0	218,219,0	0.08	2.24e-03	4.02e-03218,240,231	0.21	218	0.85	0.06	0.94
	1.82e-03	3.07e-03	0.0	219,219,0	0.08	2.48e-03	2.48e-03218,211,211			1.00	0.04	0.96
602	0.0	0.01	0.0	0,99,0	0.08	2.24e-03	3.35e-03218,240,234	0.21	218	0.0	0.0	0.0
	1.82e-03	3.07e-03	0.0	219,219,0	0.08	2.48e-03	2.48e-03218,211,211			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.21	0.28	0.0	0.35	2.48e-03	0.04	0.45

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
20	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.96	188.8	186	0.59	-116.6	187	0.81	-2.322e+04	7.977e+06	224

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
427	0.16	0.27	0.0	221,224,0	0.25	0.02	0.04218,233,236		0.38	218	0.85	0.06	0.94
	0.02	0.02	0.0	230,231,0	0.25	0.01	0.01218,233,233				1.00	0.04	0.96
428	0.16	0.27	0.0	221,224,0	0.22	0.02	0.04218,233,236		0.36	218	0.85	0.06	0.94
	0.01	9.24e-03	0.0	230,231,0	0.22	9.54e-03	9.54e-03218,233,233				1.00	0.04	0.96
429	0.13	0.24	0.0	221,224,0	0.26	6.88e-03	0.04218,236,240		0.39	218	0.85	0.06	0.94
	0.02	0.02	0.0	230,231,0	0.26	0.01	0.01218,233,233				1.00	0.04	0.96
430	0.09	0.20	0.0	221,224,0	0.27	5.68e-03	0.03218,225,236		0.40	218	0.85	0.06	0.94

	0.02	0.02	0.0 230,224,0	0.27	7.65e-03	7.65e-03218,233,233			1.00	0.04	0.96
443	0.05	0.17	0.0 221,224,0	0.29	7.48e-03	0.03218,233,236	0.41	218	0.85	0.06	0.94
	0.14	0.11	0.0 224,221,0	0.29	5.46e-03	5.46e-03218,236,236			1.00	0.04	0.96
444	0.02	0.14	0.0 237,100,0	0.29	7.71e-03	0.03218,236,236	0.41	218	0.85	0.06	0.94
	0.24	0.18	0.0 224,221,0	0.29	5.03e-03	5.03e-03218,236,236			1.00	0.04	0.96
457	7.97e-03	0.12	0.0 221,100,0	0.11	9.21e-03	0.02218,236,236	0.26	218	0.85	0.06	0.94
	0.24	0.18	0.0 224,221,0	0.11	4.78e-03	4.78e-03218,232,232			1.00	0.04	0.96
458	0.0	0.10	0.0 0,100,0	0.06	9.21e-03	0.02218,236,236	0.19	218	0.0	0.0	0.0
	0.05	0.04	0.0 224,221,0	0.06	3.39e-03	3.39e-03218,231,231			1.00	0.04	0.96
603	0.23	0.22	0.0 240,237,0	0.22	7.00e-03	0.04218,233,237	0.36	218	0.85	0.06	0.94
	0.03	0.02	0.0 228,225,0	0.22	7.57e-03	7.57e-03218,225,225			1.00	0.04	0.96
604	0.23	0.22	0.0 240,237,0	0.22	7.00e-03	0.04218,233,237	0.36	218	0.85	0.06	0.94
	0.01	0.01	0.0 228,225,0	0.22	3.01e-03	3.01e-03218,225,225			1.00	0.04	0.96
605	0.20	0.21	0.0 240,237,0	0.22	2.74e-03	0.03218,233,237	0.36	218	0.85	0.06	0.94
	0.03	0.02	0.0 228,225,0	0.22	7.83e-03	7.83e-03218,225,225			1.00	0.04	0.96
606	0.17	0.18	0.0 240,237,0	0.22	2.14e-03	0.03218,228,237	0.36	218	0.85	0.06	0.94
	0.03	0.02	0.0 228,225,0	0.22	7.83e-03	7.83e-03218,225,225			1.00	0.04	0.96
607	0.05	0.10	0.0 240,237,0	0.23	4.03e-03	0.02218,236,233	0.37	218	0.85	0.06	0.94
	0.03	0.02	0.0 228,225,0	0.23	1.52e-03	1.52e-03218,225,225			1.00	0.04	0.96
608	0.04	0.10	0.0 240,237,0	0.22	4.03e-03	0.01218,236,233	0.36	218	0.85	0.06	0.94
	0.01	0.01	0.0 228,225,0	0.22	1.19e-03	1.19e-03218,230,230			1.00	0.04	0.96
609	0.06	0.10	0.0 240,237,0	0.23	3.60e-03	0.02218,236,233	0.37	218	0.85	0.06	0.94
	0.03	0.03	0.0 228,225,0	0.23	3.05e-03	3.05e-03218,225,225			1.00	0.04	0.96
610	0.06	0.10	0.0 240,237,0	0.23	1.90e-03	0.02218,236,233	0.37	218	0.85	0.06	0.94
	0.03	0.03	0.0 228,237,0	0.23	3.05e-03	3.05e-03218,225,225			1.00	0.04	0.96
611	7.77e-03	0.07	0.0 240,100,0	0.23	8.45e-03	0.01218,228,233	0.37	218	0.85	0.06	0.94
	0.03	0.02	0.0 228,225,0	0.23	6.95e-03	6.95e-03218,225,225			1.00	0.04	0.96
612	3.15e-03	0.07	0.0 240,100,0	0.22	8.45e-03	0.01218,228,233	0.36	218	0.85	0.06	0.94
	0.01	0.01	0.0 228,225,0	0.22	1.19e-03	1.19e-03218,230,230			1.00	0.04	0.96
613	0.01	0.07	0.0 240,100,0	0.24	5.37e-03	0.01218,236,228	0.37	218	0.85	0.06	0.94
	0.03	0.03	0.0 228,225,0	0.24	9.32e-03	9.32e-03218,225,225			1.00	0.04	0.96
614	0.01	0.07	0.0 240,100,0	0.24	1.99e-03	0.01218,225,233	0.37	218	0.85	0.06	0.94
	0.03	0.03	0.0 228,237,0	0.24	9.32e-03	9.32e-03218,225,225			1.00	0.04	0.96
615	0.05	0.10	0.0 225,228,0	0.24	0.02	0.03218,225,228	0.38	218	0.85	0.06	0.94
	0.03	0.02	0.0 230,231,0	0.24	0.02	0.02218,225,225			1.00	0.04	0.96
616	0.04	0.10	0.0 225,228,0	0.23	0.02	0.03218,225,228	0.37	218	0.85	0.06	0.94
	0.01	0.01	0.0 230,231,0	0.23	9.66e-03	9.66e-03218,233,233			1.00	0.04	0.96
617	0.05	0.10	0.0 225,228,0	0.25	5.37e-03	0.02218,236,228	0.38	218	0.85	0.06	0.94
	0.03	0.02	0.0 228,225,0	0.25	0.02	0.02218,225,225			1.00	0.04	0.96
618	0.04	0.09	0.0 233,236,0	0.26	4.18e-03	0.02218,225,228	0.39	218	0.85	0.06	0.94
	0.03	0.03	0.0 236,233,0	0.26	0.02	0.02218,225,225			1.00	0.04	0.96
619	0.06	0.12	0.0 233,236,0	0.24	0.02	0.04218,225,236	0.38	218	0.85	0.06	0.94
	0.03	0.02	0.0 230,231,0	0.24	0.02	0.02218,225,225			1.00	0.04	0.96
620	0.05	0.12	0.0 233,236,0	0.23	0.02	0.04218,225,236	0.37	218	0.85	0.06	0.94
	0.01	0.01	0.0 230,231,0	0.23	0.01	0.01218,225,225			1.00	0.04	0.96
621	0.06	0.12	0.0 233,236,0	0.25	6.44e-03	0.03218,236,236	0.38	218	0.85	0.06	0.94
	0.04	0.03	0.0 230,231,0	0.25	0.02	0.02218,225,225			1.00	0.04	0.96
622	0.05	0.11	0.0 233,236,0	0.26	5.44e-03	0.02218,225,236	0.39	218	0.85	0.06	0.94
	0.04	0.03	0.0 236,233,0	0.26	0.02	0.02218,225,225			1.00	0.04	0.96
623	0.06	0.14	0.0 233,236,0	0.25	0.02	0.04218,233,236	0.38	218	0.85	0.06	0.94
	0.03	0.02	0.0 230,231,0	0.25	0.02	0.02218,225,225			1.00	0.04	0.96
624	0.05	0.13	0.0 233,236,0	0.22	0.02	0.04218,233,236	0.36	218	0.85	0.06	0.94
	0.01	0.01	0.0 230,231,0	0.22	0.01	0.01218,225,225			1.00	0.04	0.96
625	0.06	0.14	0.0 233,236,0	0.26	6.68e-03	0.03218,236,236	0.39	218	0.85	0.06	0.94
	0.04	0.03	0.0 230,231,0	0.26	0.02	0.02218,225,225			1.00	0.04	0.96
626	0.05	0.13	0.0 233,240,0	0.27	5.68e-03	0.03218,225,236	0.40	218	0.85	0.06	0.94
	0.04	0.03	0.0 236,233,0	0.27	0.01	0.01218,225,225			1.00	0.04	0.96
631	0.16	0.27	0.0 221,224,0	0.18	0.02	0.04218,236,224	0.33	218	0.85	0.06	0.94
	0.02	0.02	0.0 230,231,0	0.18	0.01	0.01218,233,233			1.00	0.04	0.96
632	0.16	0.27	0.0 221,224,0	0.18	0.02	0.04218,236,224	0.33	218	0.85	0.06	0.94
	0.01	9.20e-03	0.0 230,231,0	0.18	5.63e-03	5.63e-03218,225,225			1.00	0.04	0.96
633	0.13	0.24	0.0 221,224,0	0.15	6.88e-03	0.04221,236,240	0.29	221	0.85	0.06	0.94
	0.02	0.02	0.0 230,231,0	0.15	0.01	0.01221,233,233			1.00	0.04	0.96
634	0.09	0.20	0.0 221,224,0	0.13	4.86e-03	0.03221,233,236	0.28	221	0.85	0.06	0.94
	0.02	0.02	0.0 221,224,0	0.13	7.65e-03	7.65e-03221,233,233			1.00	0.04	0.96
635	0.15	0.16	0.0 240,237,0	0.22	2.77e-03	0.02219,228,237	0.36	219	0.85	0.06	0.94
	0.03	0.02	0.0 228,237,0	0.22	7.13e-03	7.13e-03219,225,225			1.00	0.04	0.96
636	0.12	0.14	0.0 240,237,0	0.19	2.94e-03	0.02219,225,237	0.33	219	0.85	0.06	0.94
	0.03	0.02	0.0 240,237,0	0.19	5.57e-03	5.57e-03219,225,225			1.00	0.04	0.96
637	0.06	0.10	0.0 240,237,0	0.23	2.52e-03	0.02218,225,233	0.37	218	0.85	0.06	0.94
	0.04	0.03	0.0 224,221,0	0.23	3.05e-03	3.05e-03218,225,225			1.00	0.04	0.96
638	0.06	0.10	0.0 240,237,0	0.20	3.62e-03	0.02219,236,233	0.34	219	0.85	0.06	0.94
	0.04	0.04	0.0 224,221,0	0.20	2.39e-03	2.39e-03219,225,225			1.00	0.04	0.96
639	0.01	0.07	0.0 240,100,0	0.24	3.87e-03	0.01218,225,236	0.37	218	0.85	0.06	0.94
	0.05	0.04	0.0 224,221,0	0.24	9.21e-03	9.21e-03218,228,228			1.00	0.04	0.96

640	8.62e-03	0.07	0.0	240,100,0	0.21	5.17e-03	0.01219,236,236	0.35	219	0.85	0.06	0.94
	0.06	0.05	0.0	224,221,0	0.21	7.46e-03	7.46e-03219,228,228			1.00	0.04	0.96
641	0.02	0.08	0.0	233,236,0	0.26	5.53e-03	0.02218,225,228	0.39	218	0.85	0.06	0.94
	0.07	0.05	0.0	224,221,0	0.26	0.01	0.01218,228,228			1.00	0.04	0.96
642	6.39e-03	0.07	0.0	233,100,0	0.24	5.53e-03	0.02219,225,236	0.37	219	0.85	0.06	0.94
	0.08	0.07	0.0	224,221,0	0.24	0.01	0.01219,228,228			1.00	0.04	0.96
643	0.04	0.10	0.0	233,236,0	0.26	6.42e-03	0.02218,233,236	0.39	218	0.85	0.06	0.94
	0.09	0.07	0.0	224,221,0	0.26	0.01	0.01218,228,228			1.00	0.04	0.96
644	0.02	0.08	0.0	233,236,0	0.24	6.43e-03	0.02219,236,236	0.37	219	0.85	0.06	0.94
	0.12	0.09	0.0	224,221,0	0.24	0.01	0.01219,228,228			1.00	0.04	0.96
645	0.04	0.12	0.0	233,240,0	0.29	6.61e-03	0.03218,233,236	0.41	218	0.85	0.06	0.94
	0.11	0.09	0.0	224,221,0	0.29	6.26e-03	6.26e-03218,225,225			1.00	0.04	0.96
646	0.02	0.10	0.0	233,100,0	0.29	7.71e-03	0.02218,236,236	0.41	218	0.85	0.06	0.94
	0.16	0.13	0.0	224,221,0	0.29	5.07e-03	5.07e-03218,228,228			1.00	0.04	0.96
649	0.05	0.17	0.0	221,224,0	0.25	7.48e-03	0.03221,233,236	0.38	221	0.85	0.06	0.94
	0.14	0.11	0.0	224,221,0	0.25	5.46e-03	5.46e-03221,236,236			1.00	0.04	0.96
650	1.86e-03	0.14	0.0	221,100,0	0.25	7.48e-03	0.03221,233,236	0.38	221	0.85	0.06	0.94
	0.24	0.18	0.0	224,221,0	0.25	5.03e-03	5.03e-03221,236,236			1.00	0.04	0.96
651	0.10	0.12	0.0	240,237,0	0.15	2.94e-03	0.02219,225,237	0.30	219	0.85	0.06	0.94
	0.03	0.02	0.0	224,221,0	0.15	3.76e-03	3.76e-03219,225,225			1.00	0.04	0.96
652	0.07	0.12	0.0	240,237,0	0.12	2.71e-03	0.02219,233,237	0.27	219	0.85	0.06	0.94
	8.24e-03	8.34e-03	0.0	220,217,0	0.12	2.17e-03	2.17e-03219,234,234			1.00	0.04	0.96
653	0.05	0.09	0.0	240,237,0	0.16	3.78e-03	0.01219,236,233	0.31	219	0.85	0.06	0.94
	0.04	0.04	0.0	224,221,0	0.16	1.90e-03	1.90e-03219,228,228			1.00	0.04	0.96
654	0.05	0.09	0.0	240,237,0	0.13	3.78e-03	0.01219,236,237	0.28	219	0.85	0.06	0.94
	0.02	0.01	0.0	224,221,0	0.13	1.12e-03	1.12e-03219,226,226			1.00	0.04	0.96
655	4.10e-03	0.07	0.0	240,100,0	0.16	5.63e-03	0.01219,236,236	0.31	219	0.85	0.06	0.94
	0.06	0.05	0.0	224,221,0	0.16	4.98e-03	4.98e-03219,228,228			1.00	0.04	0.96
656	0.0	0.07	0.0	0,100,0	0.13	5.63e-03	0.01219,236,233	0.28	219	0.0	0.0	0.0
	0.02	0.02	0.0	224,221,0	0.13	1.26e-03	1.26e-03219,225,225			1.00	0.04	0.96
657	0.0	0.07	0.0	0,100,0	0.17	9.04e-03	0.01219,236,236	0.31	219	0.0	0.0	0.0
	0.08	0.07	0.0	224,221,0	0.17	0.01	0.01219,228,228			1.00	0.04	0.96
658	0.0	0.07	0.0	0,100,0	0.13	9.04e-03	0.01219,236,236	0.28	219	0.0	0.0	0.0
	0.03	0.02	0.0	224,221,0	0.13	4.59e-03	4.59e-03219,228,228			1.00	0.04	0.96
659	0.0	0.07	0.0	0,100,0	0.17	0.01	0.02219,236,236	0.31	219	0.0	0.0	0.0
	0.12	0.09	0.0	224,221,0	0.17	0.01	0.01219,228,228			1.00	0.04	0.96
660	0.0	0.07	0.0	0,100,0	0.13	0.01	0.02219,236,236	0.27	219	0.0	0.0	0.0
	0.04	0.03	0.0	224,221,0	0.13	4.59e-03	4.59e-03219,228,228			1.00	0.04	0.96
661	7.97e-03	0.10	0.0	221,100,0	0.13	0.01	0.02219,236,236	0.27	219	0.85	0.06	0.94
	0.16	0.13	0.0	224,221,0	0.13	5.07e-03	5.07e-03219,228,228			1.00	0.04	0.96
662	0.0	0.09	0.0	0,100,0	0.08	0.01	0.02219,236,236	0.22	219	0.0	0.0	0.0
	0.05	0.04	0.0	224,221,0	0.08	3.71e-03	3.71e-03219,236,236			1.00	0.04	0.96
665	0.0	0.12	0.0	0,100,0	0.03	7.24e-03	0.02221,236,236	0.14	221	0.0	0.0	0.0
	0.24	0.18	0.0	224,221,0	0.03	4.78e-03	4.78e-03221,232,232			1.00	0.04	0.96
666	0.0	0.10	0.0	0,100,0	0.02	3.06e-03	0.01221,228,100	0.09	221	0.0	0.0	0.0
	0.05	0.04	0.0	224,221,0	0.02	2.30e-03	2.30e-03221,211,211			1.00	0.04	0.96
1367	0.23	0.22	0.0	240,237,0	0.21	7.00e-03	0.04218,233,237	0.35	218	0.85	0.06	0.94
	5.46e-03	5.99e-03	0.0	228,225,0	0.21	3.01e-03	3.01e-03218,225,225			1.00	0.04	0.96
1371	0.23	0.22	0.0	240,237,0	0.21	7.00e-03	0.04218,233,237	0.35	218	0.85	0.06	0.94
	0.01	0.01	0.0	228,225,0	0.21	7.57e-03	7.57e-03218,225,225			1.00	0.04	0.96
1372	0.20	0.21	0.0	240,237,0	0.20	1.82e-03	0.03218,233,237	0.34	218	0.85	0.06	0.94
	0.01	0.01	0.0	228,225,0	0.20	7.83e-03	7.83e-03218,225,225			1.00	0.04	0.96
1374	0.17	0.18	0.0	240,237,0	0.19	2.14e-03	0.03218,228,237	0.33	218	0.85	0.06	0.94
	0.01	0.01	0.0	228,225,0	0.19	7.83e-03	7.83e-03218,225,225			1.00	0.04	0.96
1375	0.15	0.16	0.0	240,237,0	0.17	2.77e-03	0.02218,228,237	0.32	218	0.85	0.06	0.94
	0.01	9.52e-03	0.0	228,225,0	0.17	7.13e-03	7.13e-03218,225,225			1.00	0.04	0.96
1377	0.12	0.14	0.0	240,237,0	0.14	2.94e-03	0.02218,225,237	0.29	218	0.85	0.06	0.94
	9.95e-03	9.23e-03	0.0	240,237,0	0.14	5.57e-03	5.57e-03218,225,225			1.00	0.04	0.96
1378	0.10	0.12	0.0	240,237,0	0.11	2.94e-03	0.02219,225,237	0.26	219	0.85	0.06	0.94
	7.39e-03	8.47e-03	0.0	224,221,0	0.11	3.76e-03	3.76e-03219,225,225			1.00	0.04	0.96
1380	0.07	0.12	0.0	240,237,0	0.11	2.37e-03	0.02219,233,237	0.25	219	0.85	0.06	0.94
	4.75e-03	6.04e-03	0.0	224,221,0	0.11	2.85e-03	2.85e-03219,225,225			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.24	0.27	0.0	0.29	0.02	0.04	0.41

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
21	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	

ok	0.37	4.2	180	0.12	-1.3	177	0.49	-111.5	8.723e+04	212

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1564	0.06	0.05	0.0	212,209,0	5.24e-03	0.01	0.02	212,226,225	0.06	212	0.87	0.06	0.94
	0.01	8.65e-03	0.0	230,231,0	5.24e-03	3.74e-04	3.74e-04	212,213,213			1.00	0.04	0.96
1565	0.06	0.06	0.0	212,212,0	5.53e-03	0.01	0.02	212,226,228	0.06	212	0.87	0.06	0.94
	0.01	9.66e-03	0.0	228,225,0	5.52e-03	4.43e-04	4.43e-04	212,225,225			1.00	0.04	0.96
1567	0.05	0.06	0.0	209,212,0	5.53e-03	9.30e-03	0.02	212,230,228	0.06	212	0.87	0.06	0.94
	0.01	9.66e-03	0.0	228,225,0	5.52e-03	4.43e-04	4.43e-04	212,225,225			1.00	0.04	0.96
2943	0.06	0.05	0.0	212,209,0	0.03	0.01	0.02	212,226,229	0.14	212	0.87	0.06	0.94
	0.01	8.65e-03	0.0	230,231,0	0.03	3.74e-04	3.74e-04	212,213,213			1.00	0.04	0.96
2944	0.06	0.06	0.0	212,212,0	0.03	0.01	0.02	212,226,232	0.14	212	0.87	0.06	0.94
	0.01	9.66e-03	0.0	228,225,0	0.03	4.43e-04	4.43e-04	212,225,225			1.00	0.04	0.96
2945	0.05	0.04	0.0	228,225,0	0.03	7.79e-03	0.02	212,228,229	0.14	212	0.87	0.06	0.94
	5.07e-03	3.86e-03	0.0	210,211,0	0.03	1.08e-04	1.08e-04	212,226,226			1.00	0.04	0.96
2946	0.05	0.05	0.0	228,228,0	0.03	7.79e-03	0.02	212,228,232	0.14	212	0.87	0.06	0.94
	5.69e-03	4.55e-03	0.0	212,209,0	0.03	1.18e-04	1.18e-04	212,235,235			1.00	0.04	0.96
2947	0.05	0.05	0.0	229,232,0	0.03	5.33e-03	0.02	212,228,232	0.13	212	0.87	0.06	0.94
	4.15e-03	2.87e-03	0.0	212,209,0	0.03	6.46e-04	6.46e-04	212,235,235			1.00	0.04	0.96
2948	0.05	0.05	0.0	232,232,0	0.03	5.33e-03	0.02	212,228,232	0.13	212	0.87	0.06	0.94
	4.15e-03	2.87e-03	0.0	212,209,0	0.03	6.81e-04	6.81e-04	212,226,226			1.00	0.04	0.96
2949	0.05	0.06	0.0	209,212,0	0.03	9.30e-03	0.02	212,230,232	0.14	212	0.87	0.06	0.94
	0.01	9.66e-03	0.0	228,225,0	0.03	4.43e-04	4.43e-04	212,225,225			1.00	0.04	0.96
2950	0.04	0.05	0.0	225,228,0	0.03	7.64e-03	0.02	212,226,232	0.14	212	0.87	0.06	0.94
	5.69e-03	4.55e-03	0.0	212,209,0	0.03	1.18e-04	1.18e-04	212,235,235			1.00	0.04	0.96
2951	0.05	0.04	0.0	232,229,0	0.03	5.08e-03	0.02	212,234,226	0.13	212	0.87	0.06	0.94
	2.17e-03	1.04e-03	0.0	229,232,0	0.03	6.81e-04	6.81e-04	212,226,226			1.00	0.04	0.96
2952	0.08	0.07	0.0	225,228,0	0.03	2.85e-03	0.02	212,226,232	0.13	212	0.87	0.06	0.94
	0.02	0.01	0.0	209,212,0	0.03	3.71e-03	3.71e-03	212,226,226			1.00	0.04	0.96
2953	0.09	0.07	0.0	228,228,0	0.03	2.85e-03	0.02	212,226,232	0.13	212	0.87	0.06	0.94
	0.02	0.01	0.0	209,212,0	0.03	3.71e-03	3.71e-03	212,226,226			1.00	0.04	0.96
2954	0.08	0.07	0.0	225,228,0	0.03	0.01	0.02	212,226,232	0.13	212	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	0.03	3.82e-03	3.82e-03	212,226,226			1.00	0.04	0.96
2955	0.09	0.07	0.0	228,228,0	0.03	0.01	0.02	212,226,232	0.13	212	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	0.03	3.82e-03	3.82e-03	212,226,226			1.00	0.04	0.96
2956	0.09	0.07	0.0	228,209,0	0.03	2.60e-03	0.02	212,234,225	0.13	212	0.87	0.06	0.94
	0.01	4.62e-03	0.0	232,229,0	0.03	3.51e-03	3.51e-03	212,226,226			1.00	0.04	0.96
2957	0.09	0.07	0.0	228,209,0	0.03	0.01	0.02	212,232,225	0.13	212	0.87	0.06	0.94
	0.02	0.01	0.0	226,227,0	0.03	3.67e-03	3.67e-03	212,235,235			1.00	0.04	0.96
2958	0.05	0.05	0.0	225,228,0	5.91e-03	0.02	0.02	212,226,232	0.06	212	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	5.91e-03	3.82e-03	3.82e-03	212,226,226			1.00	0.04	0.96
2959	0.06	0.05	0.0	228,228,0	6.17e-03	0.02	0.02	212,226,232	0.06	212	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	6.17e-03	3.82e-03	3.82e-03	212,226,226			1.00	0.04	0.96
2960	0.02	0.02	0.0	229,232,0	7.15e-04	0.02	0.02	209,226,226	0.02	209	0.87	0.06	0.94
	0.02	0.01	0.0	234,235,0	7.15e-04	4.98e-04	4.98e-04	209,232,232			1.00	0.04	0.96
2961	0.02	0.02	0.0	228,232,0	7.15e-04	0.02	0.02	209,226,226	0.02	209	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	7.15e-04	8.95e-04	8.95e-04	209,232,232			1.00	0.04	0.96
2962	0.06	0.04	0.0	228,225,0	6.17e-03	0.01	0.02	212,227,225	0.06	212	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	6.17e-03	3.67e-03	3.67e-03	212,235,235			1.00	0.04	0.96
2963	0.02	0.01	0.0	228,225,0	5.32e-04	0.01	0.02	228,227,225	0.02	228	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	5.10e-04	8.95e-04	8.95e-04	228,232,232			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.09	0.07	0.0	0.03	0.02	0.02	0.14

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
22	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.46	-102.0	187	0.41	-91.6	191	0.23	-3715.5	-1.334e+06	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1467	0.01	0.02	0.0	230,231,0	0.01	5.83e-03	7.81e-03	219,226,227	0.09	219	0.87	0.06	0.94
	2.61e-03	3.28e-03	0.0	229,44,0	0.01	1.96e-03	1.96e-03	219,233,233			1.00	0.04	0.96
1569	1.45e-03	0.01	0.0	227,105,0	0.03	7.70e-03	0.01	219,226,226	0.13	219	0.87	0.06	0.94
	4.42e-03	3.33e-03	0.0	216,213,0	0.03	6.27e-04	6.27e-04	219,233,233			1.00	0.04	0.96

1574	0.01	0.02	0.0 228,225,0	0.02	9.00e-03	0.01219,225,225	0.12	219	0.87	0.06	0.94
	6.60e-03	5.11e-03	0.0 227,209,0	0.02	6.67e-04	6.67e-04219,230,230			1.00	0.04	0.96
1575	3.69e-03	0.01	0.0 229,105,0	0.03	7.70e-03	0.01219,226,226	0.13	219	0.87	0.06	0.94
	5.08e-03	3.79e-03	0.0 236,233,0	0.03	6.27e-04	6.27e-04219,233,233			1.00	0.04	0.96
1577	7.58e-03	0.01	0.0 237,240,0	0.03	7.53e-03	0.01219,227,226	0.13	219	0.87	0.06	0.94
	6.42e-03	4.73e-03	0.0 234,235,0	0.03	4.16e-04	4.16e-04219,236,236			1.00	0.04	0.96
1580	0.02	0.02	0.0 237,240,0	0.03	8.07e-03	0.01219,235,234	0.12	219	0.87	0.06	0.94
	0.02	0.01	0.0 234,235,0	0.03	1.60e-03	1.60e-03219,239,239			1.00	0.04	0.96
1581	0.01	0.02	0.0 237,240,0	0.03	7.89e-03	0.01219,235,234	0.13	219	0.87	0.06	0.94
	9.70e-03	7.08e-03	0.0 234,235,0	0.03	4.16e-04	4.16e-04219,236,236			1.00	0.04	0.96
1583	0.02	0.03	0.0 237,224,0	0.02	8.07e-03	0.01223,235,234	0.11	223	0.87	0.06	0.94
	0.03	0.02	0.0 234,235,0	0.02	3.09e-03	3.09e-03223,235,235			1.00	0.04	0.96
1586	0.02	0.03	0.0 234,224,0	0.02	7.11e-03	9.95e-03223,219,215	0.10	223	0.87	0.06	0.94
	0.04	0.03	0.0 234,235,0	0.02	5.19e-03	5.19e-03223,235,235			1.00	0.04	0.96
1591	9.28e-03	0.02	0.0 228,225,0	0.03	9.00e-03	0.01219,225,225	0.13	219	0.87	0.06	0.94
	7.83e-03	5.98e-03	0.0 211,210,0	0.03	6.35e-04	6.35e-04219,227,227			1.00	0.04	0.96
1594	6.26e-03	0.01	0.0 228,225,0	0.03	8.28e-03	0.01219,225,225	0.13	219	0.87	0.06	0.94
	7.83e-03	5.98e-03	0.0 211,210,0	0.03	8.94e-04	8.94e-04219,227,227			1.00	0.04	0.96
1596	3.27e-03	0.01	0.0 228,105,0	0.03	7.91e-03	0.01219,231,225	0.13	219	0.87	0.06	0.94
	4.24e-03	4.09e-03	0.0 211,210,0	0.03	8.94e-04	8.94e-04219,227,227			1.00	0.04	0.96
1606	0.01	0.02	0.0 230,231,0	0.02	7.29e-03	0.01219,225,225	0.11	219	0.87	0.06	0.94
	6.60e-03	5.11e-03	0.0 227,209,0	0.02	1.96e-03	1.96e-03219,233,233			1.00	0.04	0.96
2045	0.02	0.02	0.0 234,235,0	2.69e-03	7.11e-03	9.95e-03235,219,215	0.04	235	0.87	0.06	0.94
	0.04	0.03	0.0 234,235,0	2.68e-03	5.19e-03	5.19e-03235,235,235			1.00	0.04	0.96
2407	0.04	0.04	0.0 240,237,0	8.73e-03	6.46e-03	0.01235,235,235	0.07	235	0.87	0.06	0.94
	4.59e-03	3.56e-03	0.0 228,225,0	8.71e-03	4.12e-03	4.12e-03235,233,233			1.00	0.04	0.96
2411	0.03	0.03	0.0 240,237,0	9.06e-03	0.01	0.02215,235,235	0.07	215	0.87	0.06	0.94
	8.02e-03	9.27e-03	0.0 234,235,0	9.05e-03	4.09e-03	4.09e-03215,231,231			1.00	0.04	0.96
2412	0.03	0.03	0.0 240,237,0	4.97e-03	0.01	0.02215,235,235	0.05	215	0.87	0.06	0.94
	0.03	0.02	0.0 227,226,0	4.97e-03	2.85e-03	2.85e-03215,240,240			1.00	0.04	0.96
2416	0.02	0.03	0.0 228,225,0	0.02	7.29e-03	0.01219,225,225	0.11	219	0.87	0.06	0.94
	9.39e-03	7.96e-03	0.0 225,225,0	0.02	4.77e-03	4.77e-03219,225,225			1.00	0.04	0.96
2417	0.03	0.03	0.0 228,225,0	0.02	5.89e-03	0.01219,225,225	0.10	219	0.87	0.06	0.94
	0.01	8.49e-03	0.0 230,231,0	0.02	5.53e-03	5.53e-03219,225,225			1.00	0.04	0.96
2418	0.03	0.03	0.0 228,225,0	0.02	9.94e-03	0.02223,225,225	0.10	223	0.87	0.06	0.94
	0.01	8.49e-03	0.0 230,231,0	0.02	5.53e-03	5.53e-03223,225,225			1.00	0.04	0.96
2419	0.02	0.03	0.0 228,225,0	0.02	9.00e-03	0.01219,225,225	0.12	219	0.87	0.06	0.94
	9.39e-03	7.96e-03	0.0 225,225,0	0.02	2.12e-03	2.12e-03219,225,225			1.00	0.04	0.96
2420	0.03	0.03	0.0 228,225,0	0.02	6.29e-03	0.01219,225,225	0.11	219	0.87	0.06	0.94
	0.01	8.49e-03	0.0 230,231,0	0.02	2.32e-03	2.32e-03219,233,233			1.00	0.04	0.96
2421	0.03	0.03	0.0 228,225,0	0.02	4.52e-03	0.01219,225,225	0.11	219	0.87	0.06	0.94
	0.01	8.49e-03	0.0 230,231,0	0.02	3.27e-03	3.27e-03219,233,233			1.00	0.04	0.96
2422	0.02	0.02	0.0 228,225,0	0.03	9.00e-03	0.01219,225,225	0.13	219	0.87	0.06	0.94
	7.83e-03	5.98e-03	0.0 211,210,0	0.03	2.12e-03	2.12e-03219,225,225			1.00	0.04	0.96
2423	0.02	0.03	0.0 228,225,0	0.03	6.29e-03	0.01219,225,225	0.12	219	0.87	0.06	0.94
	7.51e-03	5.77e-03	0.0 226,44,0	0.03	2.32e-03	2.32e-03219,225,225			1.00	0.04	0.96
2424	0.02	0.03	0.0 228,225,0	0.02	2.86e-03	0.01219,225,225	0.12	219	0.87	0.06	0.94
	7.51e-03	7.34e-03	0.0 226,44,0	0.02	2.32e-03	2.32e-03219,225,225			1.00	0.04	0.96
2425	0.02	0.02	0.0 228,225,0	0.03	8.28e-03	0.01219,225,225	0.13	219	0.87	0.06	0.94
	7.83e-03	5.98e-03	0.0 211,210,0	0.03	1.15e-03	1.15e-03219,225,225			1.00	0.04	0.96
2426	0.02	0.02	0.0 228,225,0	0.03	5.82e-03	0.01219,225,225	0.13	219	0.87	0.06	0.94
	4.22e-03	5.47e-03	0.0 230,44,0	0.03	1.15e-03	1.15e-03219,225,225			1.00	0.04	0.96
2427	0.02	0.02	0.0 228,225,0	0.03	2.57e-03	0.01219,226,225	0.13	219	0.87	0.06	0.94
	5.13e-03	6.11e-03	0.0 18,44,0	0.03	8.47e-04	8.47e-04219,233,233			1.00	0.04	0.96
2428	0.01	0.02	0.0 232,229,0	0.03	7.91e-03	0.01219,231,226	0.13	219	0.87	0.06	0.94
	4.24e-03	4.09e-03	0.0 211,210,0	0.03	8.94e-04	8.94e-04219,227,227			1.00	0.04	0.96
2429	0.02	0.02	0.0 228,225,0	0.03	5.46e-03	0.01219,226,226	0.13	219	0.87	0.06	0.94
	4.13e-03	4.68e-03	0.0 234,44,0	0.03	6.28e-04	6.28e-04219,233,233			1.00	0.04	0.96
2430	0.02	0.02	0.0 226,227,0	0.03	2.66e-03	9.92e-03219,226,226	0.13	219	0.87	0.06	0.94
	4.03e-03	4.85e-03	0.0 238,44,0	0.03	8.08e-04	8.08e-04219,233,233			1.00	0.04	0.96
2431	0.01	0.02	0.0 227,226,0	0.03	7.70e-03	0.01219,226,226	0.13	219	0.87	0.06	0.94
	6.36e-03	4.46e-03	0.0 238,239,0	0.03	6.27e-04	6.27e-04219,233,233			1.00	0.04	0.96
2472	0.02	0.02	0.0 227,226,0	0.03	5.46e-03	0.01219,226,226	0.13	219	0.87	0.06	0.94
	6.36e-03	4.46e-03	0.0 238,239,0	0.03	6.28e-04	6.28e-04219,233,233			1.00	0.04	0.96
2475	0.02	0.02	0.0 227,226,0	0.03	2.66e-03	9.92e-03219,226,226	0.13	219	0.87	0.06	0.94
	5.26e-03	3.73e-03	0.0 234,44,0	0.03	6.28e-04	6.28e-04219,233,233			1.00	0.04	0.96
2476	0.01	0.02	0.0 227,226,0	0.03	7.70e-03	0.01219,226,226	0.13	219	0.87	0.06	0.94
	8.92e-03	6.37e-03	0.0 234,235,0	0.03	6.27e-04	6.27e-04219,233,233			1.00	0.04	0.96
2483	0.02	0.02	0.0 227,226,0	0.03	5.20e-03	0.01219,226,226	0.13	219	0.87	0.06	0.94
	8.92e-03	6.37e-03	0.0 234,235,0	0.03	4.43e-04	4.43e-04219,233,233			1.00	0.04	0.96
2484	0.02	0.02	0.0 227,226,0	0.03	2.63e-03	9.74e-03219,226,226	0.13	219	0.87	0.06	0.94
	6.39e-03	4.51e-03	0.0 238,239,0	0.03	4.43e-04	4.43e-04219,233,233			1.00	0.04	0.96
2485	0.01	0.02	0.0 229,232,0	0.03	7.53e-03	0.01219,227,226	0.13	219	0.87	0.06	0.94
	0.01	8.51e-03	0.0 234,235,0	0.03	4.16e-04	4.16e-04219,236,236			1.00	0.04	0.96
2487	0.02	0.02	0.0 227,226,0	0.03	5.13e-03	0.01219,226,226	0.13	219	0.87	0.06	0.94

	0.01	8.51e-03	0.0 234,235,0	0.03	4.35e-04	4.35e-04219,235,235			1.00	0.04	0.96
2488	0.02	0.02	0.0 227,226,0	0.03	2.57e-03	9.61e-03219,226,226	0.13	219	0.87	0.06	0.94
	7.65e-03	5.51e-03	0.0 234,235,0	0.03	4.35e-04	4.35e-04219,235,235			1.00	0.04	0.96
2489	0.02	0.02	0.0 237,240,0	0.03	7.89e-03	0.01219,235,234	0.13	219	0.87	0.06	0.94
	0.02	0.01	0.0 234,235,0	0.03	1.03e-03	1.03e-03219,235,235			1.00	0.04	0.96
2490	0.02	0.02	0.0 237,240,0	0.03	5.08e-03	0.01219,226,234	0.13	219	0.87	0.06	0.94
	0.02	0.01	0.0 234,235,0	0.03	1.04e-03	1.04e-03219,235,235			1.00	0.04	0.96
2495	0.04	0.04	0.0 240,237,0	9.06e-03	0.01	0.02215,240,237	0.07	215	0.87	0.06	0.94
	6.71e-03	6.79e-03	0.0 231,239,0	9.05e-03	4.12e-03	4.12e-03215,233,233			1.00	0.04	0.96
2502	0.02	0.02	0.0 237,240,0	0.03	2.24e-03	9.31e-03219,226,226	0.13	219	0.87	0.06	0.94
	9.93e-03	7.29e-03	0.0 234,235,0	0.03	1.04e-03	1.04e-03219,235,235			1.00	0.04	0.96
2503	0.02	0.03	0.0 237,240,0	0.03	8.07e-03	0.01223,235,234	0.13	223	0.87	0.06	0.94
	0.03	0.02	0.0 234,235,0	0.03	2.54e-03	2.54e-03223,235,235			1.00	0.04	0.96
2504	0.03	0.03	0.0 233,236,0	0.03	5.04e-03	0.01223,235,234	0.13	223	0.87	0.06	0.94
	0.03	0.02	0.0 234,235,0	0.03	2.54e-03	2.54e-03223,235,235			1.00	0.04	0.96
2505	0.03	0.03	0.0 233,236,0	0.03	2.10e-03	9.59e-03223,236,236	0.13	223	0.87	0.06	0.94
	0.01	9.44e-03	0.0 238,239,0	0.03	1.59e-03	1.59e-03223,235,235			1.00	0.04	0.96
2506	0.02	0.03	0.0 237,224,0	0.03	8.07e-03	0.01223,235,234	0.13	223	0.87	0.06	0.94
	0.04	0.03	0.0 234,235,0	0.03	3.09e-03	3.09e-03223,235,235			1.00	0.04	0.96
2507	0.03	0.03	0.0 233,236,0	0.03	4.44e-03	0.01223,234,240	0.13	223	0.87	0.06	0.94
	0.04	0.03	0.0 234,235,0	0.03	2.54e-03	2.54e-03223,235,235			1.00	0.04	0.96
2508	0.03	0.03	0.0 233,236,0	0.03	3.42e-03	9.59e-03223,235,236	0.12	223	0.87	0.06	0.94
	0.01	9.46e-03	0.0 234,235,0	0.03	1.59e-03	1.59e-03223,235,235			1.00	0.04	0.96
2509	0.02	0.03	0.0 234,224,0	0.02	8.42e-03	0.01215,235,235	0.12	215	0.87	0.06	0.94
	0.04	0.03	0.0 234,235,0	0.02	8.16e-03	8.16e-03215,239,239			1.00	0.04	0.96
2510	0.02	0.03	0.0 240,216,0	0.02	8.42e-03	0.01215,235,235	0.12	215	0.87	0.06	0.94
	0.04	0.03	0.0 234,235,0	0.02	8.16e-03	8.16e-03215,239,239			1.00	0.04	0.96
2511	0.03	0.03	0.0 236,233,0	0.02	6.46e-03	0.01215,235,239	0.11	215	0.87	0.06	0.94
	0.01	9.46e-03	0.0 234,235,0	0.02	3.69e-03	3.69e-03215,235,235			1.00	0.04	0.96
2533	0.04	0.04	0.0 228,225,0	0.02	0.01	0.03223,225,225	0.10	223	0.87	0.06	0.94
	0.02	0.01	0.0 233,233,0	0.02	0.01	0.01223,233,233			1.00	0.04	0.96
2534	0.04	0.04	0.0 228,225,0	0.01	0.01	0.03223,225,225	0.09	223	0.87	0.06	0.94
	0.03	0.02	0.0 233,233,0	0.01	0.01	0.01223,233,233			1.00	0.04	0.96
2535	0.03	0.03	0.0 228,225,0	0.02	3.94e-03	0.01219,225,225	0.11	219	0.87	0.06	0.94
	0.02	0.01	0.0 233,233,0	0.02	3.27e-03	3.27e-03219,233,233			1.00	0.04	0.96
2536	0.03	0.03	0.0 228,225,0	0.02	6.14e-03	0.01219,225,225	0.11	219	0.87	0.06	0.94
	0.03	0.02	0.0 233,233,0	0.02	3.86e-03	3.86e-03219,233,233			1.00	0.04	0.96
2537	0.02	0.03	0.0 228,225,0	0.02	3.94e-03	0.01219,225,225	0.12	219	0.87	0.06	0.94
	0.01	9.03e-03	0.0 233,233,0	0.02	2.67e-03	2.67e-03219,233,233			1.00	0.04	0.96
2538	0.02	0.02	0.0 228,225,0	0.02	6.14e-03	0.01219,225,225	0.11	219	0.87	0.06	0.94
	0.01	9.16e-03	0.0 233,233,0	0.02	3.86e-03	3.86e-03219,233,233			1.00	0.04	0.96
2539	0.02	0.02	0.0 232,229,0	0.03	3.51e-03	0.01219,225,225	0.12	219	0.87	0.06	0.94
	5.58e-03	6.11e-03	0.0 233,44,0	0.03	1.76e-03	1.76e-03219,233,233			1.00	0.04	0.96
2540	0.02	0.02	0.0 228,225,0	0.03	5.68e-03	0.01219,226,226	0.12	219	0.87	0.06	0.94
	6.22e-03	5.90e-03	0.0 235,44,0	0.03	1.96e-03	1.96e-03219,233,233			1.00	0.04	0.96
2541	0.02	0.02	0.0 226,227,0	0.03	2.85e-03	9.96e-03219,225,227	0.13	219	0.87	0.06	0.94
	3.76e-03	4.85e-03	0.0 18,44,0	0.03	9.19e-04	9.19e-04219,233,233			1.00	0.04	0.96
2543	0.02	0.02	0.0 226,227,0	0.03	5.68e-03	0.01219,226,226	0.12	219	0.87	0.06	0.94
	4.75e-03	4.41e-03	0.0 211,44,0	0.03	9.19e-04	9.19e-04219,233,233			1.00	0.04	0.96
2544	0.02	0.02	0.0 227,226,0	0.03	2.83e-03	9.94e-03219,226,226	0.13	219	0.87	0.06	0.94
	2.96e-03	3.73e-03	0.0 234,44,0	0.03	6.14e-04	6.14e-04219,233,233			1.00	0.04	0.96
2545	0.02	0.02	0.0 227,227,0	0.03	5.60e-03	0.01219,226,226	0.13	219	0.87	0.06	0.94
	5.63e-03	3.95e-03	0.0 211,210,0	0.03	5.02e-04	5.02e-04219,233,233			1.00	0.04	0.96
2546	0.02	0.02	0.0 227,226,0	0.03	2.71e-03	9.75e-03219,226,226	0.13	219	0.87	0.06	0.94
	3.86e-03	2.93e-03	0.0 236,42,0	0.03	4.42e-04	4.42e-04219,233,233			1.00	0.04	0.96
2547	0.02	0.02	0.0 227,226,0	0.03	5.48e-03	0.01219,226,226	0.13	219	0.87	0.06	0.94
	6.39e-03	4.30e-03	0.0 211,214,0	0.03	3.62e-04	3.62e-04219,233,233			1.00	0.04	0.96
2548	0.02	0.02	0.0 227,226,0	0.03	2.75e-03	9.61e-03219,227,226	0.13	219	0.87	0.06	0.94
	4.79e-03	3.57e-03	0.0 240,237,0	0.03	3.68e-04	3.68e-04219,235,235			1.00	0.04	0.96
2549	0.02	0.02	0.0 229,226,0	0.03	5.38e-03	0.01219,226,226	0.13	219	0.87	0.06	0.94
	7.89e-03	5.31e-03	0.0 215,214,0	0.03	3.22e-04	3.22e-04219,235,235			1.00	0.04	0.96
2550	0.02	0.02	0.0 237,240,0	0.03	2.81e-03	9.06e-03223,227,226	0.13	223	0.87	0.06	0.94
	5.75e-03	4.23e-03	0.0 240,235,0	0.03	5.54e-04	5.54e-04223,231,231			1.00	0.04	0.96
2551	0.02	0.02	0.0 233,236,0	0.03	5.23e-03	9.86e-03223,226,226	0.13	223	0.87	0.06	0.94
	8.64e-03	6.02e-03	0.0 215,214,0	0.03	7.44e-04	7.44e-04223,231,231			1.00	0.04	0.96
2552	0.03	0.03	0.0 233,236,0	0.03	2.81e-03	9.17e-03223,227,236	0.13	223	0.87	0.06	0.94
	6.22e-03	4.45e-03	0.0 240,237,0	0.03	1.51e-03	1.51e-03223,227,227			1.00	0.04	0.96
2553	0.02	0.02	0.0 233,236,0	0.03	4.66e-03	9.51e-03223,232,236	0.12	223	0.87	0.06	0.94
	0.01	6.87e-03	0.0 211,210,0	0.03	1.93e-03	1.93e-03223,227,227			1.00	0.04	0.96
2567	0.02	0.02	0.0 234,235,0	0.02	8.42e-03	0.01235,235,235	0.09	235	0.87	0.06	0.94
	0.04	0.03	0.0 234,235,0	0.02	8.16e-03	8.16e-03235,239,239			1.00	0.04	0.96
2568	0.02	0.03	0.0 240,235,0	0.02	8.42e-03	0.01235,235,235	0.09	235	0.87	0.06	0.94
	0.04	0.03	0.0 234,235,0	0.02	8.16e-03	8.16e-03235,239,239			1.00	0.04	0.96
2569	0.03	0.03	0.0 236,233,0	9.77e-03	6.46e-03	0.01235,235,239	0.08	235	0.87	0.06	0.94
	8.43e-03	5.48e-03	0.0 235,234,0	9.76e-03	3.69e-03	3.69e-03235,235,235			1.00	0.04	0.96

2831	0.02	0.02	0.0 228,225,0	0.01	5.83e-03	9.15e-03219,226,225	0.09	219	0.87	0.06	0.94
	6.13e-03	6.06e-03	0.0 225,44,0	0.01	4.77e-03	4.77e-03219,225,225			1.00	0.04	0.96
2833	0.02	0.03	0.0 228,225,0	0.01	5.66e-03	0.01219,225,225	0.09	219	0.87	0.06	0.94
	7.34e-03	6.06e-03	0.0 230,44,0	0.01	5.53e-03	5.53e-03219,225,225			1.00	0.04	0.96
2835	0.03	0.03	0.0 228,225,0	0.01	9.94e-03	0.02219,225,225	0.09	219	0.87	0.06	0.94
	7.34e-03	6.92e-03	0.0 230,44,0	0.01	5.53e-03	5.53e-03219,225,225			1.00	0.04	0.96
2849	0.04	0.04	0.0 228,225,0	0.01	0.01	0.03223,225,225	0.09	223	0.87	0.06	0.94
	0.01	8.88e-03	0.0 233,44,0	0.01	0.01	0.01223,233,233			1.00	0.04	0.96
2851	0.04	0.04	0.0 228,225,0	0.01	0.01	0.03223,225,225	0.09	223	0.87	0.06	0.94
	0.02	0.01	0.0 233,233,0	0.01	0.01	0.01223,233,233			1.00	0.04	0.96
2861	0.03	0.03	0.0 228,225,0	0.01	0.02	0.03223,225,225	0.09	223	0.87	0.06	0.94
	0.02	0.01	0.0 233,233,0	0.01	0.01	0.01223,233,233			1.00	0.04	0.96
2863	0.01	0.02	0.0 228,225,0	0.01	0.02	0.02223,225,225	0.08	223	0.87	0.06	0.94
	0.02	0.01	0.0 225,228,0	0.01	1.39e-03	1.39e-03223,233,233			1.00	0.04	0.96
2965	2.35e-03	9.96e-03	0.0 232,107,0	0.02	8.34e-03	0.01219,226,226	0.12	219	0.87	0.06	0.94
	8.36e-03	6.17e-03	0.0 211,210,0	0.02	7.42e-04	7.42e-04219,210,210			1.00	0.04	0.96
2966	0.01	0.01	0.0 227,226,0	0.03	8.34e-03	0.01219,226,226	0.12	219	0.87	0.06	0.94
	6.40e-03	4.65e-03	0.0 211,210,0	0.03	3.25e-04	3.25e-04219,233,233			1.00	0.04	0.96
2968	0.02	0.02	0.0 228,225,0	0.02	0.01	0.02219,225,225	0.10	219	0.87	0.06	0.94
	0.03	0.02	0.0 233,233,0	0.02	3.86e-03	3.86e-03219,233,233			1.00	0.04	0.96
2970	5.10e-03	9.74e-03	0.0 228,107,0	0.02	0.01	0.02219,225,225	0.10	219	0.87	0.06	0.94
	0.01	9.25e-03	0.0 239,238,0	0.02	2.41e-03	2.41e-03219,233,233			1.00	0.04	0.96
2971	2.50e-03	9.65e-03	0.0 227,105,0	0.02	8.34e-03	0.01219,226,226	0.12	219	0.87	0.06	0.94
	6.40e-03	4.65e-03	0.0 211,210,0	0.02	3.25e-04	3.25e-04219,233,233			1.00	0.04	0.96
2972	0.01	0.01	0.0 229,226,0	0.03	8.13e-03	0.01219,226,226	0.12	219	0.87	0.06	0.94
	8.01e-03	5.39e-03	0.0 211,210,0	0.03	4.91e-04	4.91e-04219,213,213			1.00	0.04	0.96
2973	3.00e-03	8.84e-03	0.0 229,105,0	0.02	8.13e-03	0.01219,226,226	0.12	219	0.87	0.06	0.94
	8.01e-03	5.39e-03	0.0 211,210,0	0.02	4.91e-04	4.91e-04219,213,213			1.00	0.04	0.96
2974	0.01	0.02	0.0 233,236,0	0.03	7.38e-03	9.86e-03223,236,226	0.12	223	0.87	0.06	0.94
	9.91e-03	6.62e-03	0.0 211,210,0	0.03	7.44e-04	7.44e-04223,231,231			1.00	0.04	0.96
2975	0.02	0.02	0.0 233,236,0	0.02	7.38e-03	9.51e-03223,236,236	0.12	223	0.87	0.06	0.94
	0.01	7.48e-03	0.0 211,210,0	0.02	1.93e-03	1.93e-03223,227,227			1.00	0.04	0.96
2976	7.57e-03	8.54e-03	0.0 233,236,0	0.02	7.38e-03	9.42e-03215,236,236	0.11	215	0.87	0.06	0.94
	0.01	7.48e-03	0.0 211,210,0	0.02	8.67e-04	8.67e-04215,239,239			1.00	0.04	0.96
2977	5.21e-03	7.60e-03	0.0 233,105,0	0.02	7.38e-03	9.42e-03223,236,236	0.12	223	0.87	0.06	0.94
	9.91e-03	6.62e-03	0.0 211,210,0	0.02	5.78e-04	5.78e-04223,233,233			1.00	0.04	0.96
2978	0.01	0.02	0.0 228,225,0	0.02	8.30e-03	0.01219,226,225	0.11	219	0.87	0.06	0.94
	0.01	9.16e-03	0.0 233,233,0	0.02	3.86e-03	3.86e-03219,233,233			1.00	0.04	0.96
2979	7.57e-03	8.54e-03	0.0 233,236,0	0.02	8.42e-03	0.01215,235,235	0.11	215	0.87	0.06	0.94
	0.02	0.01	0.0 211,210,0	0.02	1.53e-03	1.53e-03215,219,219			1.00	0.04	0.96
2980	0.02	0.02	0.0 233,236,0	0.02	8.42e-03	0.01215,235,235	0.12	215	0.87	0.06	0.94
	0.02	0.01	0.0 211,210,0	0.02	1.93e-03	1.93e-03215,227,227			1.00	0.04	0.96
2981	0.03	0.03	0.0 240,237,0	0.02	0.01	0.02215,235,235	0.10	215	0.87	0.06	0.94
	0.03	0.02	0.0 227,226,0	0.02	4.09e-03	4.09e-03215,231,231			1.00	0.04	0.96
2982	0.01	9.55e-03	0.0 215,221,0	0.01	9.07e-03	0.01215,235,235	0.09	215	0.87	0.06	0.94
	0.03	0.02	0.0 227,226,0	0.01	1.53e-03	1.53e-03215,219,219			1.00	0.04	0.96
2987	2.57e-03	9.76e-03	0.0 228,105,0	0.02	8.30e-03	0.01219,226,226	0.11	219	0.87	0.06	0.94
	0.01	7.57e-03	0.0 235,234,0	0.02	2.41e-03	2.41e-03219,233,233			1.00	0.04	0.96
2989	0.01	0.01	0.0 226,227,0	0.02	8.30e-03	0.01219,226,226	0.12	219	0.87	0.06	0.94
	0.01	8.63e-03	0.0 211,210,0	0.02	1.96e-03	1.96e-03219,233,233			1.00	0.04	0.96
2990	2.38e-03	9.81e-03	0.0 232,107,0	0.02	8.30e-03	0.01219,226,226	0.11	219	0.87	0.06	0.94
	0.01	8.63e-03	0.0 211,210,0	0.02	1.06e-03	1.06e-03219,233,233			1.00	0.04	0.96
2991	0.01	0.01	0.0 226,227,0	0.02	7.81e-03	0.01219,230,226	0.12	219	0.87	0.06	0.94
	0.01	8.63e-03	0.0 211,210,0	0.02	8.14e-04	8.14e-04219,233,233			1.00	0.04	0.96
2992	2.38e-03	9.96e-03	0.0 232,107,0	0.02	7.81e-03	9.81e-03219,230,230	0.12	219	0.87	0.06	0.94
	0.01	8.63e-03	0.0 211,210,0	0.02	7.42e-04	7.42e-04219,210,210			1.00	0.04	0.96
2993	0.03	0.03	0.0 228,225,0	0.01	0.02	0.03223,225,225	0.09	223	0.87	0.06	0.94
	0.03	0.02	0.0 233,233,0	0.01	0.01	0.01223,233,233			1.00	0.04	0.96
2999	0.01	0.01	0.0 227,227,0	0.03	8.34e-03	0.01219,226,226	0.12	219	0.87	0.06	0.94
	8.36e-03	6.17e-03	0.0 211,210,0	0.03	7.42e-04	7.42e-04219,210,210			1.00	0.04	0.96
3001	0.03	0.03	0.0 233,236,0	0.02	2.50e-03	9.17e-03215,235,236	0.12	215	0.87	0.06	0.94
	7.27e-03	5.99e-03	0.0 232,229,0	0.02	2.42e-03	2.42e-03215,236,236			1.00	0.04	0.96
3002	5.53e-03	0.01	0.0 228,107,0	0.01	0.02	0.02223,225,225	0.08	223	0.87	0.06	0.94
	0.01	9.25e-03	0.0 239,238,0	0.01	2.18e-03	2.18e-03223,233,233			1.00	0.04	0.96
3003	0.02	0.02	0.0 233,236,0	0.02	4.39e-03	9.29e-03215,233,236	0.12	215	0.87	0.06	0.94
	0.02	0.01	0.0 211,210,0	0.02	2.42e-03	2.42e-03215,236,236			1.00	0.04	0.96
3004	0.04	0.04	0.0 240,237,0	0.02	6.46e-03	0.01215,235,235	0.10	215	0.87	0.06	0.94
	7.27e-03	5.99e-03	0.0 232,229,0	0.02	4.12e-03	4.12e-03215,233,233			1.00	0.04	0.96
3005	0.04	0.04	0.0 240,237,0	0.02	0.01	0.02215,240,237	0.10	215	0.87	0.06	0.94
	0.02	0.01	0.0 211,210,0	0.02	4.12e-03	4.12e-03215,233,233			1.00	0.04	0.96

Nodo	**V. 127**	**V. 128**	**V. 545**	**V. 129**	**V. 130**	**V. 131**	**V. D.26**
	0.04	0.04	0.0	0.03	0.02	0.03	0.13

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
23	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.96	-20.1	193	0.75	-15.6	193	0.99	1.227e+04	3.142e+05	228

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
515	0.11	0.15	0.0	228,225,0	0.04	0.02	0.03	225,45,44	0.15	225	0.85	0.06	0.94
	8.38e-03	5.66e-03	0.0	228,225,0	0.04	4.72e-03	4.72e-03	225,44,44			1.00	0.04	0.96
516	0.07	0.12	0.0	228,225,0	0.03	0.02	0.03	225,45,44	0.14	225	0.85	0.06	0.94
	8.38e-03	5.66e-03	0.0	228,225,0	0.03	4.72e-03	4.72e-03	225,44,44			1.00	0.04	0.96
619	0.0	0.05	0.0	0,100,0	0.11	2.18e-03	8.86e-03	225,224,44	0.26	225	0.0	0.0	0.0
	8.46e-03	6.68e-03	0.0	228,225,0	0.11	5.31e-03	5.31e-03	225,44,44			1.00	0.04	0.96
620	0.0	0.03	0.0	0,100,0	0.11	2.18e-03	5.78e-03	225,224,44	0.26	225	0.0	0.0	0.0
	4.75e-03	5.39e-03	0.0	228,225,0	0.11	5.31e-03	5.31e-03	225,44,44			1.00	0.04	0.96
621	4.15e-03	0.06	0.0	230,100,0	0.11	3.38e-03	0.01	225,221,44	0.26	225	0.85	0.06	0.94
	8.46e-03	6.68e-03	0.0	228,225,0	0.11	5.90e-03	5.90e-03	225,44,44			1.00	0.04	0.96
622	9.49e-03	0.07	0.0	230,100,0	0.11	8.30e-03	0.01	225,221,221	0.26	225	0.85	0.06	0.94
	4.60e-03	3.70e-03	0.0	228,225,0	0.11	6.31e-03	6.31e-03	225,44,44			1.00	0.04	0.96
643	0.01	0.07	0.0	230,100,0	0.11	9.33e-03	0.02	225,221,221	0.25	225	0.85	0.06	0.94
	3.21e-03	3.25e-03	0.0	236,233,0	0.11	6.31e-03	6.31e-03	225,44,44			1.00	0.04	0.96
644	0.02	0.08	0.0	230,233,0	0.11	9.33e-03	0.02	225,221,221	0.25	225	0.85	0.06	0.94
	6.27e-03	4.45e-03	0.0	233,236,0	0.11	9.59e-03	9.59e-03	225,221,221			1.00	0.04	0.96
659	0.02	0.08	0.0	230,233,0	0.10	0.02	0.03	225,221,221	0.25	225	0.85	0.06	0.94
	0.03	0.02	0.0	228,225,0	0.10	9.59e-03	9.59e-03	225,221,221			1.00	0.04	0.96
660	0.02	0.08	0.0	230,231,0	0.10	0.02	0.03	225,221,221	0.25	225	0.85	0.06	0.94
	0.03	0.02	0.0	228,225,0	0.10	6.22e-03	6.22e-03	225,217,217			1.00	0.04	0.96
679	0.33	0.39	0.0	228,225,0	0.11	0.03	0.05	225,45,225	0.26	225	0.85	0.06	0.94
	8.46e-03	6.68e-03	0.0	228,225,0	0.11	7.59e-03	7.59e-03	225,44,44			1.00	0.04	0.96
683	0.33	0.39	0.0	228,225,0	0.11	0.03	0.05	225,45,225	0.26	225	0.85	0.06	0.94
	4.75e-03	5.39e-03	0.0	228,225,0	0.11	7.59e-03	7.59e-03	225,44,44			1.00	0.04	0.96
685	0.28	0.33	0.0	228,225,0	0.11	0.02	0.04	225,45,225	0.26	225	0.85	0.06	0.94
	8.46e-03	6.68e-03	0.0	228,225,0	0.11	5.90e-03	5.90e-03	225,44,44			1.00	0.04	0.96
686	0.23	0.28	0.0	228,225,0	0.11	8.30e-03	0.03	225,221,225	0.26	225	0.85	0.06	0.94
	4.60e-03	3.70e-03	0.0	228,225,0	0.11	6.31e-03	6.31e-03	225,44,44			1.00	0.04	0.96
688	0.33	0.39	0.0	228,225,0	0.09	0.03	0.05	225,45,225	0.23	225	0.85	0.06	0.94
	4.81e-03	3.18e-03	0.0	228,225,0	0.09	7.59e-03	7.59e-03	225,44,44			1.00	0.04	0.96
689	0.33	0.39	0.0	228,225,0	0.09	0.03	0.05	225,45,225	0.23	225	0.85	0.06	0.94
	3.34e-03	2.31e-03	0.0	228,225,0	0.09	7.59e-03	7.59e-03	225,44,44			1.00	0.04	0.96
691	0.28	0.33	0.0	228,225,0	0.07	0.02	0.04	225,45,225	0.20	225	0.85	0.06	0.94
	4.81e-03	3.18e-03	0.0	228,225,0	0.07	1.28e-03	1.28e-03	225,44,44			1.00	0.04	0.96
692	0.23	0.28	0.0	228,225,0	0.05	7.84e-03	0.03	225,45,225	0.17	225	0.85	0.06	0.94
	2.48e-03	1.75e-03	0.0	236,233,0	0.05	1.31e-03	1.31e-03	225,221,221			1.00	0.04	0.96
694	0.19	0.23	0.0	228,225,0	0.11	9.33e-03	0.03	225,221,233	0.25	225	0.85	0.06	0.94
	3.21e-03	3.25e-03	0.0	236,233,0	0.11	6.31e-03	6.31e-03	225,44,44			1.00	0.04	0.96
1357	0.15	0.19	0.0	228,225,0	0.11	0.02	0.03	225,45,44	0.25	225	0.85	0.06	0.94
	6.27e-03	4.45e-03	0.0	233,236,0	0.11	9.59e-03	9.59e-03	225,221,221			1.00	0.04	0.96
1359	0.19	0.23	0.0	228,225,0	0.04	7.82e-03	0.03	225,45,233	0.16	225	0.85	0.06	0.94
	2.42e-03	2.33e-03	0.0	218,221,0	0.04	1.76e-03	1.76e-03	225,221,221			1.00	0.04	0.96
1361	0.15	0.19	0.0	228,225,0	0.04	0.02	0.03	225,45,44	0.15	225	0.85	0.06	0.94
	3.76e-03	3.16e-03	0.0	221,218,0	0.04	2.36e-03	2.36e-03	225,221,221			1.00	0.04	0.96
1363	0.11	0.15	0.0	228,225,0	0.10	0.02	0.03	225,45,44	0.25	225	0.85	0.06	0.94
	0.03	0.02	0.0	228,225,0	0.10	9.59e-03	9.59e-03	225,221,221			1.00	0.04	0.96
1365	0.07	0.12	0.0	228,225,0	0.10	0.02	0.03	225,45,44	0.25	225	0.85	0.06	0.94
	0.03	0.02	0.0	228,225,0	0.10	6.22e-03	6.22e-03	225,217,217			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.33	0.39	0.0	0.11	0.03	0.05	0.26

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
24	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	

ok	0.75	115.0	204	0.34	53.0	204	1.00	-7864.3	3.884e+06	234			

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
669	0.28	0.60	0.0	234,235,0	0.21	8.48e-03	0.09236,221,235		0.35	236	0.85	0.06	0.94
	6.97e-03	5.86e-03	0.0	234,235,0	0.21	1.70e-03	1.70e-03236,217,217				1.00	0.04	0.96
670	0.28	0.60	0.0	234,235,0	0.21	8.40e-03	0.09236,221,235		0.35	236	0.85	0.06	0.94
	5.15e-03	3.43e-03	0.0	234,235,0	0.21	1.70e-03	1.70e-03236,217,217				1.00	0.04	0.96
672	0.22	0.54	0.0	234,235,0	0.16	9.18e-03	0.08236,221,235		0.31	236	0.85	0.06	0.94
	6.97e-03	5.86e-03	0.0	234,235,0	0.16	2.02e-03	2.02e-03236,221,221				1.00	0.04	0.96
674	0.17	0.48	0.0	234,235,0	0.14	0.01	0.07236,221,237		0.28	236	0.85	0.06	0.94
	3.85e-03	9.33e-03	0.0	218,219,0	0.14	4.72e-03	4.72e-03236,221,221				1.00	0.04	0.96
676	0.12	0.44	0.0	234,235,0	0.12	0.02	0.07236,221,219		0.27	236	0.85	0.06	0.94
	0.02	0.03	0.0	224,221,0	0.12	0.02	0.02236,221,221				1.00	0.04	0.96
678	0.07	0.40	0.0	238,235,0	0.10	0.04	0.09100,224,219		0.24	100	0.85	0.06	0.94
	0.02	0.09	0.0	224,100,0	0.10	0.02	0.02100,221,221				1.00	0.04	0.96
680	0.03	0.34	0.0	238,100,0	0.10	0.04	0.09100,224,219		0.24	100	0.85	0.06	0.94
	0.0	0.09	0.0	0,100,0	0.10	0.02	0.02100,221,221				0.0	0.0	0.0
682	0.02	0.28	0.0	234,100,0	0.01	0.02	0.05100,221,237		0.08	100	0.85	0.06	0.94
	0.0	0.08	0.0	0,100,0	0.01	7.18e-03	7.18e-03100,224,224				0.0	0.0	0.0
695	0.28	0.60	0.0	234,235,0	0.29	8.48e-03	0.09236,221,235		0.42	236	0.85	0.06	0.94
	0.01	0.01	0.0	240,237,0	0.29	2.01e-03	2.01e-03236,221,221				1.00	0.04	0.96
696	0.28	0.60	0.0	234,235,0	0.26	8.40e-03	0.09236,221,235		0.39	236	0.85	0.06	0.94
	6.38e-03	6.11e-03	0.0	234,235,0	0.26	1.70e-03	1.70e-03236,217,217				1.00	0.04	0.96
697	0.22	0.54	0.0	234,235,0	0.31	9.18e-03	0.08236,221,235		0.43	236	0.85	0.06	0.94
	0.01	0.01	0.0	240,237,0	0.31	3.58e-03	3.58e-03236,221,221				1.00	0.04	0.96
698	0.17	0.48	0.0	234,235,0	0.32	0.01	0.07236,221,237		0.44	236	0.85	0.06	0.94
	0.02	0.02	0.0	218,219,0	0.32	6.71e-03	6.71e-03236,221,221				1.00	0.04	0.96
699	0.02	0.22	0.0	234,100,0	0.29	6.34e-03	0.03236,221,223		0.42	236	0.85	0.06	0.94
	0.01	0.01	0.0	240,237,0	0.29	2.01e-03	2.01e-03236,221,221				1.00	0.04	0.96
700	0.02	0.22	0.0	234,100,0	0.26	6.34e-03	0.03236,221,223		0.39	236	0.85	0.06	0.94
	6.38e-03	6.11e-03	0.0	234,235,0	0.26	1.50e-03	1.50e-03236,217,217				1.00	0.04	0.96
701	0.02	0.22	0.0	238,100,0	0.32	6.17e-03	0.03236,221,223		0.43	236	0.85	0.06	0.94
	0.01	0.01	0.0	218,219,0	0.32	3.58e-03	3.58e-03236,221,221				1.00	0.04	0.96
702	0.02	0.22	0.0	238,100,0	0.33	5.61e-03	0.03236,221,223		0.44	236	0.85	0.06	0.94
	0.02	0.02	0.0	218,221,0	0.33	6.71e-03	6.71e-03236,221,221				1.00	0.04	0.96
703	0.0	0.14	0.0	0,100,0	0.30	4.83e-03	0.02236,221,223		0.42	236	0.0	0.0	0.0
	4.87e-03	7.61e-03	0.0	218,219,0	0.30	1.73e-03	1.73e-03236,218,218				1.00	0.04	0.96
704	0.0	0.14	0.0	0,100,0	0.26	4.83e-03	0.02236,221,219		0.39	236	0.0	0.0	0.0
	2.47e-03	3.77e-03	0.0	237,240,0	0.26	1.73e-03	1.73e-03236,218,218				1.00	0.04	0.96
705	0.0	0.14	0.0	0,100,0	0.32	4.20e-03	0.02236,221,223		0.43	236	0.0	0.0	0.0
	0.01	0.01	0.0	218,219,0	0.32	2.21e-03	2.21e-03236,221,221				1.00	0.04	0.96
706	0.0	0.13	0.0	0,100,0	0.33	2.58e-03	0.02236,221,219		0.44	236	0.0	0.0	0.0
	0.02	0.02	0.0	218,221,0	0.33	4.24e-03	4.24e-03236,221,221				1.00	0.04	0.96
707	0.25	0.29	0.0	233,236,0	0.30	2.79e-03	0.04236,223,236		0.42	236	0.85	0.06	0.94
	5.09e-03	6.60e-03	0.0	233,224,0	0.30	1.73e-03	1.73e-03236,218,218				1.00	0.04	0.96
708	0.25	0.29	0.0	233,236,0	0.26	2.79e-03	0.04236,223,236		0.39	236	0.85	0.06	0.94
	2.47e-03	3.77e-03	0.0	237,240,0	0.26	1.73e-03	1.73e-03236,218,218				1.00	0.04	0.96
709	0.20	0.24	0.0	233,236,0	0.32	2.12e-03	0.03236,223,236		0.43	236	0.85	0.06	0.94
	8.78e-03	9.93e-03	0.0	221,224,0	0.32	2.21e-03	2.21e-03236,221,221				1.00	0.04	0.96
710	0.15	0.20	0.0	233,236,0	0.33	1.06e-03	0.02236,223,236		0.44	236	0.85	0.06	0.94
	0.02	0.02	0.0	237,234,0	0.33	4.24e-03	4.24e-03236,221,221				1.00	0.04	0.96
711	0.12	0.44	0.0	234,235,0	0.32	0.02	0.07236,221,219		0.44	236	0.85	0.06	0.94
	0.04	0.05	0.0	222,237,0	0.32	0.02	0.02236,221,221				1.00	0.04	0.96
712	0.07	0.40	0.0	238,235,0	0.29	0.04	0.09236,224,219		0.41	236	0.85	0.06	0.94
	0.04	0.09	0.0	222,100,0	0.29	0.02	0.02236,221,221				1.00	0.04	0.96
713	0.02	0.21	0.0	238,100,0	0.33	4.56e-03	0.03236,224,219		0.44	236	0.85	0.06	0.94
	0.06	0.06	0.0	240,237,0	0.33	6.71e-03	6.71e-03236,221,221				1.00	0.04	0.96
714	0.01	0.21	0.0	238,100,0	0.31	5.31e-03	0.03236,221,219		0.43	236	0.85	0.06	0.94
	0.06	0.08	0.0	240,237,0	0.31	5.83e-03	5.83e-03236,221,221				1.00	0.04	0.96
715	4.16e-03	0.13	0.0	237,100,0	0.33	3.10e-03	0.02236,221,219		0.44	236	0.85	0.06	0.94
	0.08	0.07	0.0	234,235,0	0.33	5.83e-03	5.83e-03236,221,221				1.00	0.04	0.96
716	4.16e-03	0.13	0.0	237,100,0	0.32	3.45e-03	0.02236,221,219		0.43	236	0.85	0.06	0.94
	0.10	0.10	0.0	234,235,0	0.32	5.83e-03	5.83e-03236,221,221				1.00	0.04	0.96
717	0.11	0.15	0.0	233,236,0	0.33	1.50e-03	0.02236,221,236		0.44	236	0.85	0.06	0.94
	0.12	0.10	0.0	234,235,0	0.33	5.19e-03	5.19e-03236,221,221				1.00	0.04	0.96
718	0.06	0.11	0.0	233,236,0	0.32	2.09e-03	0.01236,223,236		0.43	236	0.85	0.06	0.94
	0.17	0.14	0.0	234,235,0	0.32	5.19e-03	5.19e-03236,221,221				1.00	0.04	0.96
719	0.03	0.34	0.0	238,100,0	0.19	0.04	0.09236,224,219		0.33	236	0.85	0.06	0.94
	0.02	0.09	0.0	218,100,0	0.19	0.02	0.02236,221,221				1.00	0.04	0.96
720	0.02	0.28	0.0	234,100,0	0.11	0.02	0.05236,221,237		0.25	236	0.85	0.06	0.94
	0.0	0.08	0.0	0,100,0	0.11	7.18e-03	7.18e-03236,224,224				0.0	0.0	0.0
721	0.01	0.20	0.0	238,100,0	0.19	0.01	0.03236,221,219		0.33	236	0.85	0.06	0.94
	0.05	0.08	0.0	234,237,0	0.19	5.23e-03	5.23e-03236,221,221				1.00	0.04	0.96

722	2.83e-03	0.19	0.0	230,100,0	0.11	0.01	0.03233,221,219	0.25	233	0.85	0.06	0.94
	3.68e-03	0.05	0.0	222,100,0	0.11	5.17e-03	5.17e-03233,221,221			1.00	0.04	0.96
723	1.47e-03	0.12	0.0	237,100,0	0.17	5.21e-03	0.02236,221,219	0.32	236	0.85	0.06	0.94
	0.10	0.10	0.0	234,235,0	0.17	5.23e-03	5.23e-03236,221,221			1.00	0.04	0.96
724	0.0	0.12	0.0	0,100,0	0.11	5.21e-03	0.02233,221,219	0.25	233	0.0	0.0	0.0
	9.82e-03	0.04	0.0	238,100,0	0.11	5.17e-03	5.17e-03233,221,221			1.00	0.04	0.96
725	0.06	0.10	0.0	233,236,0	0.13	2.14e-03	0.01233,219,238	0.28	233	0.85	0.06	0.94
	0.17	0.14	0.0	234,235,0	0.13	3.98e-03	3.98e-03233,221,221			1.00	0.04	0.96
726	0.06	0.10	0.0	233,236,0	0.10	2.14e-03	0.01233,219,238	0.24	233	0.85	0.06	0.94
	9.82e-03	0.03	0.0	238,235,0	0.10	3.85e-03	3.85e-03233,221,221			1.00	0.04	0.96
776	0.11	0.15	0.0	233,236,0	0.23	1.50e-03	0.02239,221,236	0.36	239	0.85	0.06	0.94
	0.12	0.10	0.0	234,235,0	0.23	3.20e-03	3.20e-03239,221,221			1.00	0.04	0.96
777	0.06	0.11	0.0	233,236,0	0.23	2.09e-03	0.01239,223,236	0.36	239	0.85	0.06	0.94
	0.17	0.14	0.0	234,235,0	0.23	3.20e-03	3.20e-03239,221,221			1.00	0.04	0.96
2026	0.06	0.10	0.0	233,236,0	0.04	2.09e-03	0.01233,223,238	0.15	233	0.85	0.06	0.94
	0.17	0.14	0.0	234,235,0	0.04	2.54e-03	2.54e-03233,221,221			1.00	0.04	0.96
2027	0.06	0.10	0.0	233,236,0	0.04	2.07e-03	0.01233,223,238	0.15	233	0.85	0.06	0.94
	6.01e-03	0.02	0.0	238,235,0	0.04	2.42e-03	2.42e-03233,221,221			1.00	0.04	0.96
3218	0.25	0.29	0.0	233,236,0	0.22	2.79e-03	0.04236,223,236	0.36	236	0.85	0.06	0.94
	5.09e-03	4.83e-03	0.0	233,236,0	0.22	1.68e-03	1.68e-03236,218,218			1.00	0.04	0.96
3219	0.25	0.29	0.0	233,236,0	0.22	2.79e-03	0.04236,223,236	0.36	236	0.85	0.06	0.94
	2.18e-03	2.77e-03	0.0	233,236,0	0.22	1.68e-03	1.68e-03236,218,218			1.00	0.04	0.96
3220	0.20	0.24	0.0	233,236,0	0.19	2.12e-03	0.03236,223,236	0.33	236	0.85	0.06	0.94
	5.09e-03	4.83e-03	0.0	233,236,0	0.19	1.97e-03	1.97e-03236,221,221			1.00	0.04	0.96
3221	0.15	0.20	0.0	233,236,0	0.17	1.06e-03	0.02236,223,236	0.32	236	0.85	0.06	0.94
	0.02	0.02	0.0	237,234,0	0.17	2.60e-03	2.60e-03236,221,221			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.28	0.60	0.0	0.33	0.04	0.09	0.44

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
25	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2035	0.07	0.06	0.0	228,225,0	0.10	5.98e-03	0.02225,219,219		0.24	225	0.33	0.14	0.86
	0.04	0.03	0.0	228,225,0	0.10	0.01	0.01 225,46,46				1.00	0.04	0.96
2497	0.08	0.05	0.0	225,228,0	0.09	6.54e-03	0.02225,217,224		0.23	225	0.33	0.14	0.86
	0.04	0.03	0.0	225,228,0	0.09	6.00e-03	6.00e-03225,217,217				1.00	0.04	0.96
2542	0.04	0.02	0.0	233,236,0	0.05	3.38e-03	0.02225,217,224		0.18	225	0.33	0.14	0.86
	8.35e-03	4.53e-03	0.0	228,225,0	0.05	3.93e-04	3.93e-04225,224,224				1.00	0.04	0.96
2554	0.04	0.02	0.0	233,236,0	0.10	3.38e-03	0.02225,217,224		0.24	225	0.33	0.14	0.86
	8.35e-03	4.53e-03	0.0	228,225,0	0.10	1.33e-03	1.33e-03225,224,224				1.00	0.04	0.96
2555	0.02	0.01	0.0	226,227,0	0.09	1.36e-03	4.88e-03225,45,223		0.23	225	0.33	0.14	0.86
	5.17e-03	2.80e-03	0.0	225,228,0	0.09	6.00e-03	6.00e-03225,217,217				1.00	0.04	0.96
2556	0.04	0.03	0.0	230,231,0	0.06	2.41e-03	0.02225,219,219		0.18	225	0.33	0.14	0.86
	7.00e-03	5.55e-03	0.0	225,228,0	0.06	3.93e-04	3.93e-04225,224,224				1.00	0.04	0.96
2557	0.01	7.67e-03	0.0	218,219,0	0.10	1.45e-03	6.54e-03225,46,219		0.24	225	0.33	0.14	0.86
	2.63e-03	1.36e-03	0.0	229,232,0	0.10	1.33e-03	1.33e-03225,224,224				1.00	0.04	0.96
2570	0.04	0.03	0.0	230,231,0	0.10	2.41e-03	0.02225,219,219		0.24	225	0.33	0.14	0.86
	7.00e-03	5.55e-03	0.0	225,228,0	0.10	1.78e-03	1.78e-03225,217,217				1.00	0.04	0.96
2571	0.01	7.99e-03	0.0	213,216,0	0.10	1.59e-03	6.54e-03225,45,219		0.24	225	0.33	0.14	0.86
	2.43e-03	1.63e-03	0.0	230,231,0	0.10	1.78e-03	1.78e-03225,217,217				1.00	0.04	0.96
2572	0.07	0.06	0.0	228,225,0	0.07	5.98e-03	0.02225,219,219		0.21	225	0.33	0.14	0.86
	0.04	0.03	0.0	228,225,0	0.07	5.98e-03	5.98e-03225,219,219				1.00	0.04	0.96
2589	0.08	0.05	0.0	225,228,0	0.07	6.54e-03	0.01225,217,220		0.21	225	0.33	0.14	0.86
	0.04	0.03	0.0	225,228,0	0.07	5.51e-03	5.51e-03225,218,218				1.00	0.04	0.96
2590	0.02	0.01	0.0	226,227,0	0.07	2.24e-03	4.54e-03225,219,219		0.21	225	0.33	0.14	0.86
	0.03	0.02	0.0	231,230,0	0.07	6.00e-03	6.00e-03225,217,217				1.00	0.04	0.96
2814	0.07	0.06	0.0	228,225,0	0.07	5.98e-03	0.01225,219,219		0.21	225	0.33	0.14	0.86
	0.04	0.03	0.0	228,225,0	0.07	5.98e-03	5.98e-03225,219,219				1.00	0.04	0.96
2823	0.07	0.06	0.0	228,225,0	0.08	5.98e-03	0.01225,219,219		0.22	225	0.33	0.14	0.86
	0.04	0.03	0.0	228,225,0	0.08	0.01	0.01 225,46,46				1.00	0.04	0.96
2824	0.02	0.01	0.0	213,236,0	0.08	2.81e-03	5.45e-03 225,46,44		0.22	225	0.33	0.14	0.86
	0.03	0.02	0.0	228,225,0	0.08	0.01	0.01 225,46,46				1.00	0.04	0.96
2828	0.08	0.05	0.0	225,228,0	0.07	6.54e-03	0.01225,217,220		0.20	225	0.33	0.14	0.86

	0.04	0.03	0.0 225,228,0	0.07	5.51e-03	5.51e-03225,218,218			1.00	0.04	0.96
3098	0.02	0.01	0.0 213,216,0	0.10	1.59e-03	5.70e-03225,45,219	0.24	225	0.33	0.14	0.86
	4.48e-03	3.29e-03	0.0 230,231,0	0.10	3.51e-03	3.51e-03 225,44,44			1.00	0.04	0.96
3217	0.08	0.05	0.0 225,228,0	0.07	6.54e-03	0.02225,217,224	0.20	225	0.33	0.14	0.86
	0.04	0.03	0.0 225,228,0	0.07	5.51e-03	5.51e-03225,218,218			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.08	0.06	0.0	0.10	0.01	0.02	0.24

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
26	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.98	74.9	202	0.37	-27.9	207	0.55	1.307e+04	1.555e+06	234

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
735	0.25	0.25	0.0	234,235,0	0.22	2.25e-03	0.03234,224,235		0.36	234	0.85	0.06	0.94
	4.67e-03	3.30e-03	0.0	234,235,0	0.22	8.03e-04	8.03e-04234,217,217				1.00	0.04	0.96
736	0.25	0.25	0.0	234,235,0	0.22	2.25e-03	0.03234,224,235		0.36	234	0.85	0.06	0.94
	2.71e-03	1.96e-03	0.0	234,235,0	0.22	8.03e-04	8.03e-04234,217,217				1.00	0.04	0.96
737	0.20	0.21	0.0	234,235,0	0.20	1.79e-03	0.03234,217,235		0.35	234	0.85	0.06	0.94
	4.67e-03	3.30e-03	0.0	234,235,0	0.20	9.61e-04	9.61e-04234,224,224				1.00	0.04	0.96
738	0.16	0.17	0.0	234,235,0	0.19	1.14e-03	0.02236,222,235		0.33	236	0.85	0.06	0.94
	0.02	0.01	0.0	236,233,0	0.19	1.44e-03	1.44e-03236,219,219				1.00	0.04	0.96
739	0.25	0.25	0.0	234,235,0	0.30	2.25e-03	0.03234,224,235		0.42	234	0.85	0.06	0.94
	7.31e-03	4.99e-03	0.0	218,219,0	0.30	1.05e-03	1.05e-03234,221,221				1.00	0.04	0.96
740	0.25	0.25	0.0	234,235,0	0.26	2.25e-03	0.03234,224,235		0.39	234	0.85	0.06	0.94
	4.41e-03	2.99e-03	0.0	222,223,0	0.26	1.05e-03	1.05e-03234,221,221				1.00	0.04	0.96
741	0.20	0.21	0.0	234,235,0	0.32	1.79e-03	0.03234,217,235		0.44	234	0.85	0.06	0.94
	7.31e-03	4.99e-03	0.0	218,219,0	0.32	9.61e-04	9.61e-04234,224,224				1.00	0.04	0.96
742	0.16	0.17	0.0	234,235,0	0.34	1.51e-03	0.02235,219,235		0.45	235	0.85	0.06	0.94
	0.02	0.01	0.0	236,233,0	0.34	1.44e-03	1.44e-03235,219,219				1.00	0.04	0.96
743	0.21	0.20	0.0	221,224,0	0.30	2.42e-03	0.03234,237,224		0.42	234	0.85	0.06	0.94
	7.31e-03	4.99e-03	0.0	218,219,0	0.30	2.12e-03	2.12e-03234,224,224				1.00	0.04	0.96
744	0.21	0.20	0.0	221,224,0	0.26	2.42e-03	0.03234,237,224		0.39	234	0.85	0.06	0.94
	4.41e-03	2.99e-03	0.0	222,223,0	0.26	1.05e-03	1.05e-03234,221,221				1.00	0.04	0.96
745	0.19	0.18	0.0	221,224,0	0.32	1.04e-03	0.02234,223,224		0.44	234	0.85	0.06	0.94
	7.31e-03	4.99e-03	0.0	218,219,0	0.32	2.12e-03	2.12e-03234,224,224				1.00	0.04	0.96
746	0.16	0.16	0.0	221,224,0	0.34	1.51e-03	0.02235,219,224		0.45	235	0.85	0.06	0.94
	7.02e-03	5.17e-03	0.0	218,219,0	0.34	2.83e-03	2.83e-03235,219,219				1.00	0.04	0.96
747	0.21	0.20	0.0	221,224,0	0.23	2.42e-03	0.03234,237,224		0.37	234	0.85	0.06	0.94
	3.88e-03	3.24e-03	0.0	221,224,0	0.23	2.12e-03	2.12e-03234,224,224				1.00	0.04	0.96
748	0.21	0.20	0.0	221,224,0	0.23	2.42e-03	0.03234,237,224		0.37	234	0.85	0.06	0.94
	1.94e-03	2.40e-03	0.0	221,224,0	0.23	7.23e-04	7.23e-04234,228,228				1.00	0.04	0.96
749	0.19	0.18	0.0	221,224,0	0.22	7.35e-04	0.02234,232,224		0.36	234	0.85	0.06	0.94
	3.88e-03	3.24e-03	0.0	221,224,0	0.22	2.12e-03	2.12e-03234,224,224				1.00	0.04	0.96
750	0.16	0.16	0.0	221,224,0	0.21	1.28e-03	0.02234,216,224		0.35	234	0.85	0.06	0.94
	4.47e-03	3.45e-03	0.0	218,219,0	0.21	2.83e-03	2.83e-03234,219,219				1.00	0.04	0.96
755	0.11	0.13	0.0	234,235,0	0.23	1.67e-03	0.02236,219,235		0.37	236	0.85	0.06	0.94
	0.09	0.07	0.0	233,236,0	0.23	1.44e-03	1.44e-03236,219,219				1.00	0.04	0.96
756	0.07	0.09	0.0	234,235,0	0.23	2.70e-03	0.01236,223,223		0.37	236	0.85	0.06	0.94
	0.09	0.07	0.0	233,236,0	0.23	4.04e-03	4.04e-03236,223,223				1.00	0.04	0.96
757	0.11	0.13	0.0	234,235,0	0.34	2.24e-03	0.02235,219,235		0.45	235	0.85	0.06	0.94
	0.09	0.07	0.0	233,236,0	0.34	5.87e-03	5.87e-03235,223,223				1.00	0.04	0.96
758	0.07	0.09	0.0	222,235,0	0.32	5.14e-03	0.02235,223,223		0.43	235	0.85	0.06	0.94
	0.09	0.07	0.0	233,236,0	0.32	5.87e-03	5.87e-03235,223,223				1.00	0.04	0.96
759	0.14	0.14	0.0	221,224,0	0.34	3.28e-03	0.02235,223,224		0.45	235	0.85	0.06	0.94
	0.05	0.04	0.0	233,236,0	0.34	6.01e-03	6.01e-03235,219,219				1.00	0.04	0.96
760	0.12	0.12	0.0	221,224,0	0.32	0.03	0.05235,223,219		0.43	235	0.85	0.06	0.94
	0.06	0.05	0.0	213,216,0	0.32	6.08e-03	6.08e-03235,223,223				1.00	0.04	0.96
761	0.14	0.14	0.0	221,224,0	0.20	3.28e-03	0.02234,223,224		0.35	234	0.85	0.06	0.94
	0.03	0.02	0.0	235,234,0	0.20	6.01e-03	6.01e-03234,219,219				1.00	0.04	0.96
762	0.12	0.12	0.0	221,224,0	0.16	0.03	0.05234,223,219		0.31	234	0.85	0.06	0.94
	0.05	0.04	0.0	222,223,0	0.16	6.08e-03	6.08e-03234,223,223				1.00	0.04	0.96
767	0.07	0.08	0.0	234,235,0	0.04	2.70e-03	0.01235,223,223		0.16	235	0.85	0.06	0.94
	0.09	0.07	0.0	233,236,0	0.04	4.04e-03	4.04e-03235,223,223				1.00	0.04	0.96
768	0.07	0.08	0.0	234,235,0	0.03	2.26e-03	9.43e-03233,217,235		0.14	233	0.85	0.06	0.94
	0.04	0.03	0.0	238,239,0	0.03	2.76e-03	2.76e-03233,219,219				1.00	0.04	0.96

769	0.07	0.09	0.0 222,223,0	0.16	6.63e-03	0.02235,219,223	0.31	235	0.85	0.06	0.94
	0.09	0.07	0.0 233,236,0	0.16	0.01	0.01235,219,219			1.00	0.04	0.96
770	0.07	0.08	0.0 234,235,0	0.09	6.63e-03	0.02235,219,223	0.23	235	0.85	0.06	0.94
	0.06	0.04	0.0 214,215,0	0.09	0.01	0.01235,219,219			1.00	0.04	0.96
771	0.12	0.11	0.0 221,224,0	0.16	0.06	0.08235,223,219	0.31	235	0.85	0.06	0.94
	0.14	0.10	0.0 222,223,0	0.16	0.02	0.02235,223,223			1.00	0.04	0.96
772	0.09	0.10	0.0 218,219,0	0.09	0.02	0.03235,223,219	0.23	235	0.85	0.06	0.94
	0.06	0.04	0.0 214,215,0	0.09	0.01	0.01235,219,219			1.00	0.04	0.96
773	0.12	0.11	0.0 221,224,0	0.08	0.06	0.08234,223,219	0.22	234	0.85	0.06	0.94
	0.14	0.10	0.0 222,223,0	0.08	0.02	0.02234,223,223			1.00	0.04	0.96
774	0.12	0.11	0.0 221,224,0	9.18e-03	0.06	0.08235,223,219	0.07	235	0.85	0.06	0.94
	0.14	0.10	0.0 222,223,0	9.07e-03	0.02	0.02235,223,223			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.25	0.25	0.0	0.34	0.06	0.08	0.45

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
27	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
450	0.02	0.01	0.0	230,231,0	0.24	1.40e-03	2.77e-03	225,219,219	0.37	225	0.36	0.13	0.87
	0.08	0.05	0.0	225,228,0	0.24	7.57e-03	7.57e-03	225,44,44			1.00	0.04	0.96
452	8.68e-03	6.81e-03	0.0	230,231,0	0.08	1.40e-03	2.73e-03	225,219,219	0.21	225	0.36	0.13	0.87
	0.08	0.05	0.0	225,228,0	0.08	7.57e-03	7.57e-03	225,44,44			1.00	0.04	0.96
1404	0.02	0.01	0.0	225,228,0	0.08	3.34e-03	5.38e-03	225,219,218	0.22	225	0.36	0.13	0.87
	0.29	0.19	0.0	225,228,0	0.08	0.02	0.02	225,44,44			1.00	0.04	0.96
1405	0.16	0.11	0.0	225,228,0	0.10	5.63e-03	0.02	225,219,230	0.25	225	0.36	0.13	0.87
	0.29	0.19	0.0	225,228,0	0.10	0.02	0.02	225,44,44			1.00	0.04	0.96
2119	2.12e-03	2.82e-03	0.0	218,219,0	0.09	1.01e-03	2.29e-03	225,219,219	0.24	225	0.36	0.13	0.87
	0.08	0.08	0.0	228,225,0	0.09	1.42e-03	1.42e-03	225,219,219			1.00	0.04	0.96
2121	0.01	8.97e-03	0.0	231,230,0	0.23	1.01e-03	2.32e-03	225,219,218	0.37	225	0.36	0.13	0.87
	0.08	0.08	0.0	228,225,0	0.23	1.42e-03	1.42e-03	225,219,219			1.00	0.04	0.96
2129	0.02	0.02	0.0	228,225,0	0.11	2.48e-03	4.19e-03	225,219,219	0.25	225	0.36	0.13	0.87
	0.28	0.23	0.0	228,225,0	0.11	5.72e-03	5.72e-03	225,219,219			1.00	0.04	0.96
2130	0.15	0.12	0.0	228,225,0	0.13	7.90e-03	0.02	225,220,225	0.28	225	0.36	0.13	0.87
	0.28	0.23	0.0	228,225,0	0.13	0.01	0.01	225,218,218			1.00	0.04	0.96
3201	0.16	0.11	0.0	225,228,0	0.24	5.63e-03	0.02	225,219,230	0.37	225	0.36	0.13	0.87
	0.29	0.19	0.0	225,228,0	0.24	0.02	0.02	225,44,44			1.00	0.04	0.96
3202	0.16	0.11	0.0	225,228,0	0.15	5.63e-03	0.02	225,219,230	0.30	225	0.36	0.13	0.87
	0.01	8.31e-03	0.0	228,225,0	0.15	4.96e-03	4.96e-03	225,44,44			1.00	0.04	0.96
3203	0.15	0.12	0.0	228,225,0	0.23	7.90e-03	0.02	225,220,225	0.37	225	0.36	0.13	0.87
	0.28	0.23	0.0	228,225,0	0.23	0.01	0.01	225,218,218			1.00	0.04	0.96
3204	0.15	0.12	0.0	228,225,0	0.15	7.90e-03	0.02	225,220,225	0.30	225	0.36	0.13	0.87
	5.67e-03	9.70e-03	0.0	219,218,0	0.15	0.01	0.01	225,218,218			1.00	0.04	0.96
3211	0.01	8.97e-03	0.0	231,230,0	0.25	8.68e-04	2.84e-03	225,44,219	0.38	225	0.36	0.13	0.87
	0.05	0.04	0.0	225,228,0	0.25	1.38e-03	1.38e-03	225,44,44			1.00	0.04	0.96
3212	0.06	0.05	0.0	230,231,0	0.25	2.56e-03	0.01	225,220,219	0.38	225	0.36	0.13	0.87
	0.05	0.04	0.0	225,228,0	0.25	2.00e-03	2.00e-03	225,217,217			1.00	0.04	0.96
3213	0.02	0.01	0.0	230,231,0	0.25	9.42e-04	2.84e-03	225,219,219	0.38	225	0.36	0.13	0.87
	0.06	0.04	0.0	228,225,0	0.25	1.69e-03	1.69e-03	225,47,47			1.00	0.04	0.96
3214	0.06	0.04	0.0	225,228,0	0.25	2.44e-03	9.50e-03	225,44,218	0.38	225	0.36	0.13	0.87
	0.06	0.04	0.0	228,225,0	0.25	1.94e-03	1.94e-03	225,217,217			1.00	0.04	0.96
3215	0.06	0.05	0.0	230,231,0	0.17	2.56e-03	0.01	225,220,219	0.31	225	0.36	0.13	0.87
	4.88e-03	4.48e-03	0.0	231,230,0	0.17	2.00e-03	2.00e-03	225,217,217			1.00	0.04	0.96
3216	0.06	0.04	0.0	225,228,0	0.17	2.44e-03	9.50e-03	225,44,218	0.31	225	0.36	0.13	0.87
	5.56e-03	4.63e-03	0.0	236,233,0	0.17	1.94e-03	1.94e-03	225,217,217			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.29	0.23	0.0	0.25	0.02	0.02	0.38

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
28	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.38	29.0	204	0.25	20.1	100	0.27	-5811.9	5.197e+05	99

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
753	0.03	0.04	0.0	222,223,0	0.02	7.22e-03	0.01236,217,220		0.11	236	0.87	0.06	0.94
	7.60e-03	3.00e-03	0.0	100,237,0	0.02	1.26e-03	1.26e-03236,221,221				1.00	0.04	0.96
763	0.03	0.05	0.0	240,237,0	0.02	3.72e-03	0.01236,220,223		0.11	236	0.87	0.06	0.94
	0.01	7.54e-03	0.0	233,236,0	0.02	1.26e-03	1.26e-03236,221,221				1.00	0.04	0.96
1370	0.06	0.02	0.0	99,108,0	0.01	0.03	0.03 100,99,99		0.08	100	0.87	0.06	0.94
	0.07	0.01	0.0	100,221,0	0.01	0.02	0.02 100,99,99				1.00	0.04	0.96
1997	0.06	0.05	0.0	99,235,0	0.03	0.03	0.03 240,99,99		0.13	240	0.87	0.06	0.94
	0.09	0.01	0.0	100,221,0	0.03	0.02	0.02 240,99,99				1.00	0.04	0.96
1999	0.02	0.05	0.0	234,100,0	0.03	7.23e-03	0.01240,217,223		0.13	240	0.87	0.06	0.94
	0.09	0.01	0.0	100,221,0	0.03	9.40e-03	9.40e-03240,221,221				1.00	0.04	0.96
2001	0.0	0.05	0.0	0,100,0	0.03	8.90e-03	0.01236,217,220		0.12	236	0.0	0.0	0.0
	0.05	5.31e-03	0.0	100,218,0	0.03	6.21e-03	6.21e-03 236,99,99				1.00	0.04	0.96
2003	2.80e-03	0.04	0.0	218,100,0	0.02	0.01	0.01235,217,217		0.12	235	0.87	0.06	0.94
	0.02	2.49e-03	0.0	100,218,0	0.02	2.85e-03	2.85e-03235,221,221				1.00	0.04	0.96
2006	2.80e-03	0.04	0.0	218,100,0	0.02	0.01	0.01235,217,217		0.12	235	0.87	0.06	0.94
	4.64e-03	2.49e-03	0.0	219,218,0	0.02	1.39e-03	1.39e-03235,217,217				1.00	0.04	0.96
2007	0.01	0.04	0.0	222,223,0	0.02	0.01	0.01235,217,220		0.12	235	0.87	0.06	0.94
	7.60e-03	2.49e-03	0.0	100,218,0	0.02	1.39e-03	1.39e-03235,217,217				1.00	0.04	0.96
2024	0.05	0.06	0.0	234,235,0	0.04	2.46e-03	0.01236,217,223		0.15	236	0.87	0.06	0.94
	0.07	0.05	0.0	236,233,0	0.04	1.25e-03	1.25e-03236,217,217				1.00	0.04	0.96
2034	0.05	0.06	0.0	234,235,0	0.04	9.22e-03	0.02236,218,219		0.15	236	0.87	0.06	0.94
	0.08	0.06	0.0	236,233,0	0.04	1.53e-03	1.53e-03236,221,221				1.00	0.04	0.96
2338	0.06	0.05	0.0	99,235,0	0.09	0.03	0.03 100,99,99		0.24	100	0.87	0.06	0.94
	0.09	0.01	0.0	100,221,0	0.09	0.02	0.02100,221,221				1.00	0.04	0.96
2339	0.06	0.05	0.0	99,231,0	0.09	0.02	0.02 100,99,99		0.24	100	0.87	0.06	0.94
	0.09	0.01	0.0	100,221,0	0.09	0.02	0.02100,221,221				1.00	0.04	0.96
2432	0.03	0.04	0.0	103,105,0	0.08	6.89e-03	8.46e-03100,99,219		0.22	100	0.87	0.06	0.94
	0.01	7.09e-03	0.0	99,219,0	0.08	5.01e-03	5.01e-03100,219,219				1.00	0.04	0.96
2433	0.02	0.05	0.0	234,100,0	0.09	7.23e-03	0.01100,217,223		0.23	100	0.87	0.06	0.94
	0.09	0.01	0.0	100,221,0	0.09	9.40e-03	9.40e-03100,221,221				1.00	0.04	0.96
2434	0.01	0.05	0.0	230,100,0	0.09	4.44e-03	0.01100,219,219		0.23	100	0.87	0.06	0.94
	0.09	0.01	0.0	100,221,0	0.09	5.02e-03	5.02e-03 100,99,99				1.00	0.04	0.96
2435	0.01	0.04	0.0	218,219,0	0.08	3.73e-03	0.01100,221,219		0.22	100	0.87	0.06	0.94
	0.02	7.23e-03	0.0	217,217,0	0.08	4.97e-03	4.97e-03100,221,221				1.00	0.04	0.96
2436	5.34e-03	0.05	0.0	222,100,0	0.04	8.90e-03	0.01240,217,220		0.16	240	0.87	0.06	0.94
	0.06	6.15e-03	0.0	100,221,0	0.04	6.21e-03	6.21e-03 240,99,99				1.00	0.04	0.96
2437	0.01	0.05	0.0	218,100,0	0.04	5.41e-03	0.01240,220,220		0.16	240	0.87	0.06	0.94
	0.06	7.23e-03	0.0	100,217,0	0.04	5.02e-03	5.02e-03 240,99,99				1.00	0.04	0.96
2438	0.02	0.04	0.0	218,219,0	0.04	2.98e-03	0.01240,219,219		0.16	240	0.87	0.06	0.94
	0.02	7.23e-03	0.0	217,217,0	0.04	2.31e-03	2.31e-03240,221,221				1.00	0.04	0.96
2439	0.01	0.04	0.0	222,100,0	0.03	0.01	0.01236,217,220		0.14	236	0.87	0.06	0.94
	0.03	2.49e-03	0.0	100,218,0	0.03	3.11e-03	3.11e-03 236,99,99				1.00	0.04	0.96
2440	0.03	0.04	0.0	222,223,0	0.03	7.22e-03	0.01236,217,220		0.14	236	0.87	0.06	0.94
	0.03	4.92e-03	0.0	100,221,0	0.03	3.11e-03	3.11e-03 236,99,99				1.00	0.04	0.96
2441	0.03	0.05	0.0	240,237,0	0.03	3.72e-03	0.01236,220,223		0.14	236	0.87	0.06	0.94
	0.01	7.54e-03	0.0	233,236,0	0.03	2.31e-03	2.31e-03236,221,221				1.00	0.04	0.96
2442	0.01	0.06	0.0	221,105,0	0.08	2.48e-03	9.11e-03100,105,105		0.22	100	0.87	0.06	0.94
	0.02	0.02	0.0	240,239,0	0.08	5.16e-03	5.16e-03100,224,224				1.00	0.04	0.96
2443	0.01	0.07	0.0	222,105,0	0.09	9.82e-03	0.02100,221,105		0.24	100	0.87	0.06	0.94
	0.02	0.05	0.0	240,107,0	0.09	6.00e-03	6.00e-03100,107,107				1.00	0.04	0.96
2447	0.01	0.04	0.0	218,219,0	0.08	2.39e-03	9.41e-03100,220,219		0.22	100	0.87	0.06	0.94
	0.03	0.03	0.0	236,233,0	0.08	2.06e-03	2.06e-03100,221,221				1.00	0.04	0.96
2448	0.01	0.03	0.0	218,107,0	0.09	4.87e-03	9.50e-03100,224,219		0.24	100	0.87	0.06	0.94
	0.03	0.05	0.0	236,107,0	0.09	2.06e-03	2.06e-03100,221,221				1.00	0.04	0.96
2449	0.02	0.03	0.0	221,219,0	0.04	3.32e-03	0.01240,217,224		0.16	240	0.87	0.06	0.94
	0.05	0.04	0.0	236,233,0	0.04	1.79e-03	1.79e-03240,219,219				1.00	0.04	0.96
2450	0.02	0.03	0.0	221,224,0	0.04	5.72e-03	0.01100,219,219		0.15	100	0.87	0.06	0.94
	0.05	0.05	0.0	236,233,0	0.04	2.03e-03	2.03e-03100,107,107				1.00	0.04	0.96
2451	0.05	0.06	0.0	234,235,0	0.04	3.32e-03	0.01236,217,223		0.15	236	0.87	0.06	0.94
	0.07	0.05	0.0	236,233,0	0.04	1.79e-03	1.79e-03236,219,219				1.00	0.04	0.96
2452	0.05	0.06	0.0	234,235,0	0.04	9.22e-03	0.02236,218,219		0.15	236	0.87	0.06	0.94
	0.08	0.06	0.0	236,233,0	0.04	1.79e-03	1.79e-03236,219,219				1.00	0.04	0.96
2455	8.99e-03	0.13	0.0	222,105,0	0.09	0.01	0.03100,107,105		0.24	100	0.87	0.06	0.94
	0.01	0.08	0.0	230,107,0	0.09	8.20e-03	8.20e-03100,107,107				1.00	0.04	0.96
2456	3.25e-03	0.06	0.0	218,107,0	0.04	9.46e-03	0.01100,221,107		0.16	100	0.87	0.06	0.94
	3.04e-03	0.04	0.0	227,107,0	0.04	3.02e-03	3.02e-03100,217,217				1.00	0.04	0.96
2457	8.99e-03	0.03	0.0	222,107,0	0.09	6.88e-03	9.50e-03100,219,219		0.24	100	0.87	0.06	0.94

	0.03	0.05	0.0 238,107,0	0.09	2.93e-03	2.93e-03100,105,105			1.00	0.04	0.96
2458	3.25e-03	0.02	0.0 218,107,0	0.04	6.88e-03	8.57e-03100,219,219	0.16	100	0.87	0.06	0.94
	1.62e-03	0.04	0.0 222,107,0	0.04	2.93e-03	2.93e-03100,105,105			1.00	0.04	0.96
2459	0.01	0.02	0.0 221,224,0	0.04	8.99e-03	0.01100,219,219	0.15	100	0.87	0.06	0.94
	0.05	0.05	0.0 238,233,0	0.04	2.03e-03	2.03e-03100,107,107			1.00	0.04	0.96
2460	4.97e-03	6.42e-03	0.0 221,224,0	0.02	8.99e-03	0.01100,219,219	0.10	100	0.87	0.06	0.94
	0.0	0.03	0.0 0,107,0	0.02	2.00e-03	2.00e-03100,105,105			0.0	0.0	0.0
2479	0.04	0.04	0.0 238,239,0	0.01	0.01	0.02100,219,219	0.08	100	0.87	0.06	0.94
	0.08	0.06	0.0 236,233,0	0.01	1.53e-03	1.53e-03100,221,221			1.00	0.04	0.96
2480	0.01	0.01	0.0 238,239,0	3.97e-03	0.01	0.0199,219,219	0.05	99	0.87	0.06	0.94
	3.95e-03	0.02	0.0 227,107,0	3.97e-03	1.12e-03	1.12e-0399,219,219			1.00	0.04	0.96
2496	0.04	0.04	0.0 238,239,0	2.54e-03	0.01	0.02239,219,219	0.04	239	0.87	0.06	0.94
	0.08	0.06	0.0 236,233,0	2.54e-03	1.53e-03	1.53e-03239,221,221			1.00	0.04	0.96
2574	0.01	0.01	0.0 238,239,0	2.54e-03	0.01	0.01239,219,219	0.04	239	0.87	0.06	0.94
	3.95e-03	9.34e-03	0.0 227,107,0	2.54e-03	1.11e-03	1.11e-03239,219,219			1.00	0.04	0.96
2754	0.06	0.03	0.0 99,105,0	0.09	0.03	0.03 100,99,99	0.24	100	0.87	0.06	0.94
	0.08	0.01	0.0 100,221,0	0.09	0.02	0.02100,221,221			1.00	0.04	0.96
2756	0.06	0.03	0.0 99,105,0	0.09	0.02	0.02 100,99,99	0.24	100	0.87	0.06	0.94
	0.08	8.70e-03	0.0 100,221,0	0.09	0.02	0.02100,221,221			1.00	0.04	0.96
2758	0.03	0.04	0.0 103,105,0	0.05	6.89e-03	8.27e-03100,99,107	0.18	100	0.87	0.06	0.94
	0.01	3.54e-03	0.0 99,219,0	0.05	5.01e-03	5.01e-03100,219,219			1.00	0.04	0.96
2760	0.01	0.06	0.0 221,105,0	0.05	2.48e-03	9.11e-03107,105,105	0.17	107	0.87	0.06	0.94
	6.52e-03	7.36e-03	0.0 219,221,0	0.05	5.16e-03	5.16e-03107,224,224			1.00	0.04	0.96
2762	6.46e-03	0.07	0.0 221,105,0	0.08	9.82e-03	0.02107,221,105	0.22	107	0.87	0.06	0.94
	6.09e-03	0.04	0.0 224,107,0	0.08	6.00e-03	6.00e-03107,107,107			1.00	0.04	0.96
2764	2.80e-03	0.13	0.0 213,105,0	0.08	0.01	0.03107,107,105	0.22	107	0.87	0.06	0.94
	9.69e-03	0.08	0.0 218,107,0	0.08	8.20e-03	8.20e-03107,107,107			1.00	0.04	0.96
2766	1.36e-03	0.13	0.0 218,105,0	0.02	0.01	0.03107,107,105	0.11	107	0.87	0.06	0.94
	9.69e-03	0.08	0.0 218,107,0	0.02	8.20e-03	8.20e-03107,107,107			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.09	0.13	0.0	0.09	0.03	0.03	0.24

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
29	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.90	-300.3	187	0.80	-264.3	187	0.76	-2615.4	-1.091e+07	237

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
363	0.11	0.12	0.0	220,217,0	0.18	2.72e-03	0.01219,228,209		0.33	219	0.85	0.06	0.94
	3.60e-03	5.29e-03	0.0	228,44,0	0.18	3.57e-03	3.57e-03219,228,228				1.00	0.04	0.96
364	0.11	0.12	0.0	220,217,0	0.18	2.72e-03	0.01219,228,209		0.33	219	0.85	0.06	0.94
	1.01e-03	3.33e-03	0.0	231,44,0	0.18	1.05e-03	1.05e-03219,228,228				1.00	0.04	0.96
365	0.09	0.11	0.0	220,217,0	0.16	1.13e-03	0.01219,225,209		0.31	219	0.85	0.06	0.94
	4.00e-03	6.62e-03	0.0	19,44,0	0.16	3.57e-03	3.57e-03219,228,228				1.00	0.04	0.96
366	0.08	0.10	0.0	220,217,0	0.15	1.76e-03	0.01219,225,209		0.30	219	0.85	0.06	0.94
	4.43e-03	7.14e-03	0.0	19,44,0	0.15	3.32e-03	3.32e-03219,228,228				1.00	0.04	0.96
379	0.06	0.09	0.0	220,217,0	0.14	1.76e-03	0.01219,225,209		0.29	219	0.85	0.06	0.94
	4.43e-03	7.14e-03	0.0	19,44,0	0.14	2.83e-03	2.83e-03219,228,228				1.00	0.04	0.96
380	0.05	0.08	0.0	220,217,0	0.13	1.33e-03	9.68e-03219,228,209		0.28	219	0.85	0.06	0.94
	3.82e-03	6.99e-03	0.0	19,44,0	0.13	2.04e-03	2.04e-03219,228,228				1.00	0.04	0.96
393	0.04	0.08	0.0	220,209,0	0.14	1.33e-03	9.46e-03219,228,217		0.29	219	0.85	0.06	0.94
	2.05e-03	6.80e-03	0.0	19,44,0	0.14	1.23e-03	1.23e-03219,228,228				1.00	0.04	0.96
394	0.03	0.08	0.0	212,209,0	0.15	1.07e-03	9.46e-03218,227,217		0.29	218	0.85	0.06	0.94
	2.23e-03	6.23e-03	0.0	227,44,0	0.15	8.29e-04	8.29e-04218,228,228				1.00	0.04	0.96
747	0.24	0.23	0.0	237,240,0	0.17	6.14e-03	0.04219,233,240		0.32	219	0.85	0.06	0.94
	0.01	9.45e-03	0.0	237,240,0	0.17	7.26e-03	7.26e-03219,233,233				1.00	0.04	0.96
748	0.24	0.23	0.0	237,240,0	0.17	6.14e-03	0.04219,233,240		0.32	219	0.85	0.06	0.94
	7.13e-03	5.44e-03	0.0	237,240,0	0.17	2.32e-03	2.32e-03219,240,240				1.00	0.04	0.96
749	0.21	0.21	0.0	237,240,0	0.15	5.84e-03	0.03219,236,240		0.30	219	0.85	0.06	0.94
	0.01	9.45e-03	0.0	237,240,0	0.15	7.26e-03	7.26e-03219,233,233				1.00	0.04	0.96
750	0.18	0.18	0.0	237,240,0	0.14	0.01	0.03219,236,236		0.29	219	0.85	0.06	0.94
	0.01	7.39e-03	0.0	233,236,0	0.14	6.24e-03	6.24e-03219,233,233				1.00	0.04	0.96
761	0.16	0.16	0.0	237,240,0	0.13	0.01	0.04219,236,236		0.28	219	0.85	0.06	0.94
	0.02	9.84e-03	0.0	238,239,0	0.13	8.07e-03	8.07e-03219,240,240				1.00	0.04	0.96
762	0.15	0.15	0.0	237,240,0	0.18	0.01	0.04223,236,236		0.33	223	0.85	0.06	0.94
	0.12	0.08	0.0	223,222,0	0.18	0.02	0.02223,234,234				1.00	0.04	0.96

773	0.14	0.14	0.0	237,240,0	0.18	0.03	0.05223,234,234	0.33	223	0.85	0.06	0.94
	0.13	0.09	0.0	223,222,0	0.18	0.02	0.02223,234,234			1.00	0.04	0.96
774	0.11	0.11	0.0	233,236,0	0.03	0.03	0.05223,234,234	0.12	223	0.85	0.06	0.94
	0.13	0.09	0.0	223,222,0	0.03	9.18e-03	9.18e-03223,234,234			1.00	0.04	0.96
778	0.11	0.12	0.0	220,217,0	0.20	2.72e-03	0.01219,228,209	0.34	219	0.85	0.06	0.94
	9.11e-03	6.72e-03	0.0	231,230,0	0.20	3.57e-03	3.57e-03219,228,228			1.00	0.04	0.96
779	0.11	0.12	0.0	220,217,0	0.19	2.72e-03	0.01219,228,209	0.34	219	0.85	0.06	0.94
	4.36e-03	3.37e-03	0.0	231,230,0	0.19	1.05e-03	1.05e-03219,228,228			1.00	0.04	0.96
780	0.09	0.11	0.0	220,217,0	0.20	1.13e-03	0.01219,225,209	0.34	219	0.85	0.06	0.94
	9.63e-03	7.07e-03	0.0	228,230,0	0.20	3.57e-03	3.57e-03219,228,228			1.00	0.04	0.96
781	0.08	0.10	0.0	220,217,0	0.20	1.76e-03	0.01219,225,209	0.34	219	0.85	0.06	0.94
	9.63e-03	7.14e-03	0.0	228,44,0	0.20	3.32e-03	3.32e-03219,228,228			1.00	0.04	0.96
782	0.01	0.06	0.0	220,217,0	0.20	1.26e-03	7.38e-03219,225,229	0.34	219	0.85	0.06	0.94
	9.11e-03	6.72e-03	0.0	231,230,0	0.20	7.88e-04	7.88e-04219,228,228			1.00	0.04	0.96
783	6.99e-03	0.06	0.0	220,217,0	0.19	1.26e-03	7.38e-03219,225,229	0.34	219	0.85	0.06	0.94
	4.36e-03	3.37e-03	0.0	231,230,0	0.19	6.82e-04	6.82e-04219,234,234			1.00	0.04	0.96
784	0.01	0.06	0.0	220,217,0	0.20	1.02e-03	7.29e-03219,227,229	0.34	219	0.85	0.06	0.94
	9.63e-03	7.07e-03	0.0	228,230,0	0.20	7.88e-04	7.88e-04219,228,228			1.00	0.04	0.96
785	0.01	0.06	0.0	220,217,0	0.20	6.61e-04	7.11e-03219,227,229	0.34	219	0.85	0.06	0.94
	9.63e-03	7.20e-03	0.0	228,230,0	0.20	8.42e-04	8.42e-04219,228,228			1.00	0.04	0.96
786	0.0	0.05	0.0	0,100,0	0.20	1.72e-03	5.93e-03219,225,229	0.34	219	0.0	0.0	0.0
	7.05e-03	5.44e-03	0.0	231,230,0	0.20	7.88e-04	7.88e-04219,228,228			1.00	0.04	0.96
787	0.0	0.05	0.0	0,100,0	0.20	1.72e-03	5.82e-03219,225,225	0.34	219	0.0	0.0	0.0
	2.92e-03	2.43e-03	0.0	212,230,0	0.20	6.82e-04	6.82e-04219,234,234			1.00	0.04	0.96
788	0.0	0.05	0.0	0,100,0	0.20	1.35e-03	5.93e-03219,229,229	0.34	219	0.0	0.0	0.0
	9.04e-03	6.90e-03	0.0	231,230,0	0.20	8.96e-04	8.96e-04219,228,228			1.00	0.04	0.96
789	0.0	0.05	0.0	0,100,0	0.20	8.43e-04	5.86e-03219,229,229	0.34	219	0.0	0.0	0.0
	9.32e-03	7.20e-03	0.0	231,230,0	0.20	8.96e-04	8.96e-04219,228,228			1.00	0.04	0.96
790	0.0	0.05	0.0	0,100,0	0.20	1.85e-03	5.80e-03219,225,229	0.34	219	0.0	0.0	0.0
	5.13e-03	3.92e-03	0.0	231,230,0	0.20	7.33e-04	7.33e-04219,228,228			1.00	0.04	0.96
791	0.0	0.05	0.0	0,100,0	0.20	1.85e-03	5.54e-03219,225,225	0.34	219	0.0	0.0	0.0
	2.01e-03	1.61e-03	0.0	212,230,0	0.20	5.84e-04	5.84e-04219,226,226			1.00	0.04	0.96
792	0.0	0.05	0.0	0,100,0	0.20	1.52e-03	5.80e-03219,225,229	0.34	219	0.0	0.0	0.0
	7.42e-03	5.51e-03	0.0	231,230,0	0.20	8.96e-04	8.96e-04219,228,228			1.00	0.04	0.96
793	0.0	0.05	0.0	0,100,0	0.20	9.84e-04	5.73e-03219,228,229	0.34	219	0.0	0.0	0.0
	8.83e-03	6.52e-03	0.0	231,230,0	0.20	8.96e-04	8.96e-04219,228,228			1.00	0.04	0.96
794	0.0	0.05	0.0	0,100,0	0.20	1.85e-03	5.69e-03219,225,225	0.34	219	0.0	0.0	0.0
	4.24e-03	3.02e-03	0.0	231,230,0	0.20	5.89e-04	5.89e-04219,228,228			1.00	0.04	0.96
795	0.0	0.05	0.0	0,100,0	0.20	1.85e-03	5.57e-03219,225,100	0.34	219	0.0	0.0	0.0
	1.61e-03	1.19e-03	0.0	235,230,0	0.20	3.75e-04	3.75e-04219,234,234			1.00	0.04	0.96
796	0.0	0.05	0.0	0,100,0	0.20	1.52e-03	5.69e-03219,225,225	0.34	219	0.0	0.0	0.0
	6.19e-03	4.30e-03	0.0	231,230,0	0.20	7.36e-04	7.36e-04219,228,228			1.00	0.04	0.96
797	0.0	0.05	0.0	0,100,0	0.20	1.01e-03	5.67e-03219,225,225	0.35	219	0.0	0.0	0.0
	7.85e-03	5.38e-03	0.0	231,230,0	0.20	8.26e-04	8.26e-04219,228,228			1.00	0.04	0.96
798	0.0	0.05	0.0	0,100,0	0.20	1.83e-03	5.57e-03219,225,100	0.34	219	0.0	0.0	0.0
	5.10e-03	3.00e-03	0.0	233,236,0	0.20	5.08e-04	5.08e-04219,230,230			1.00	0.04	0.96
799	0.0	0.05	0.0	0,100,0	0.20	1.83e-03	5.57e-03219,225,100	0.34	219	0.0	0.0	0.0
	2.10e-03	1.24e-03	0.0	233,236,0	0.20	4.16e-04	4.16e-04219,234,234			1.00	0.04	0.96
800	0.0	0.05	0.0	0,100,0	0.20	1.52e-03	5.53e-03219,225,100	0.35	219	0.0	0.0	0.0
	6.06e-03	3.64e-03	0.0	235,234,0	0.20	5.68e-04	5.68e-04219,226,226			1.00	0.04	0.96
801	0.0	0.05	0.0	0,100,0	0.21	1.01e-03	5.48e-03219,225,100	0.35	219	0.0	0.0	0.0
	8.09e-03	4.70e-03	0.0	235,226,0	0.21	6.26e-04	6.26e-04219,226,226			1.00	0.04	0.96
802	0.0	0.05	0.0	0,100,0	0.20	1.74e-03	5.52e-03219,225,100	0.34	219	0.0	0.0	0.0
	6.64e-03	4.30e-03	0.0	237,240,0	0.20	5.69e-04	5.69e-04219,230,230			1.00	0.04	0.96
803	0.0	0.05	0.0	0,100,0	0.20	1.74e-03	5.52e-03219,225,100	0.34	219	0.0	0.0	0.0
	2.91e-03	1.89e-03	0.0	237,240,0	0.20	4.16e-04	4.16e-04219,234,234			1.00	0.04	0.96
804	0.0	0.05	0.0	0,100,0	0.20	1.45e-03	5.48e-03219,225,100	0.35	219	0.0	0.0	0.0
	7.61e-03	4.82e-03	0.0	235,234,0	0.20	6.63e-04	6.63e-04219,226,226			1.00	0.04	0.96
805	0.0	0.05	0.0	0,100,0	0.21	9.91e-04	5.44e-03219,225,100	0.35	219	0.0	0.0	0.0
	8.23e-03	4.92e-03	0.0	235,234,0	0.21	6.63e-04	6.63e-04219,226,226			1.00	0.04	0.96
806	0.0	0.05	0.0	0,100,0	0.20	1.81e-03	5.72e-03219,225,228	0.34	219	0.0	0.0	0.0
	8.47e-03	5.82e-03	0.0	237,240,0	0.20	6.00e-04	6.00e-04219,225,225			1.00	0.04	0.96
807	0.0	0.05	0.0	0,100,0	0.20	1.81e-03	5.52e-03219,225,228	0.34	219	0.0	0.0	0.0
	3.77e-03	2.59e-03	0.0	237,240,0	0.20	6.00e-04	6.00e-04219,225,225			1.00	0.04	0.96
808	0.0	0.05	0.0	0,100,0	0.20	1.37e-03	5.72e-03219,225,228	0.35	219	0.0	0.0	0.0
	9.15e-03	6.23e-03	0.0	233,236,0	0.20	6.63e-04	6.63e-04219,226,226			1.00	0.04	0.96
809	0.0	0.05	0.0	0,100,0	0.21	8.90e-04	5.45e-03219,225,228	0.35	219	0.0	0.0	0.0
	0.01	6.72e-03	0.0	239,238,0	0.21	8.44e-04	8.44e-04219,226,226			1.00	0.04	0.96
810	4.36e-03	0.05	0.0	237,100,0	0.20	2.22e-03	6.93e-03219,236,236	0.34	219	0.85	0.06	0.94
	0.01	6.03e-03	0.0	237,240,0	0.20	1.27e-03	1.27e-03219,233,233			1.00	0.04	0.96
811	1.83e-03	0.05	0.0	237,100,0	0.20	2.22e-03	6.93e-03219,236,236	0.34	219	0.85	0.06	0.94
	4.74e-03	2.83e-03	0.0	237,240,0	0.20	9.56e-04	9.56e-04219,225,225			1.00	0.04	0.96
812	5.54e-03	0.05	0.0	237,100,0	0.20	1.42e-03	6.86e-03219,226,240	0.35	219	0.85	0.06	0.94
	0.01	6.23e-03	0.0	237,236,0	0.20	1.27e-03	1.27e-03219,233,233			1.00	0.04	0.96
813	5.54e-03	0.05	0.0	237,100,0	0.21	8.53e-04	6.44e-03219,234,240	0.35	219	0.85	0.06	0.94

	0.01	8.31e-03	0.0	235,234,0	0.21	9.77e-04	9.77e-04	219,233,233			1.00	0.04	0.96
814	0.03	0.06	0.0	237,240,0	0.20	2.34e-03	8.90e-03	219,238,240	0.34	219	0.85	0.06	0.94
	0.02	0.01	0.0	237,240,0	0.20	2.91e-03	2.91e-03	219,236,236			1.00	0.04	0.96
815	0.03	0.06	0.0	237,240,0	0.19	2.34e-03	8.85e-03	219,238,236	0.34	219	0.85	0.06	0.94
	8.02e-03	5.24e-03	0.0	237,240,0	0.19	1.70e-03	1.70e-03	219,225,225			1.00	0.04	0.96
816	0.03	0.06	0.0	237,240,0	0.20	1.82e-03	8.90e-03	219,234,240	0.35	219	0.85	0.06	0.94
	0.02	0.01	0.0	237,240,0	0.20	2.91e-03	2.91e-03	219,236,236			1.00	0.04	0.96
817	0.03	0.06	0.0	237,240,0	0.21	9.33e-04	8.46e-03	219,234,240	0.35	219	0.85	0.06	0.94
	0.01	8.31e-03	0.0	237,234,0	0.21	2.79e-03	2.79e-03	219,236,236			1.00	0.04	0.96
818	0.07	0.09	0.0	237,240,0	0.20	2.34e-03	0.01	219,238,240	0.34	219	0.85	0.06	0.94
	0.02	0.02	0.0	237,240,0	0.20	2.91e-03	2.91e-03	219,236,236			1.00	0.04	0.96
819	0.07	0.08	0.0	237,240,0	0.19	2.34e-03	0.01	219,238,240	0.34	219	0.85	0.06	0.94
	0.01	8.90e-03	0.0	237,240,0	0.19	2.14e-03	2.14e-03	219,225,225			1.00	0.04	0.96
820	0.07	0.09	0.0	237,240,0	0.20	2.72e-03	0.01	219,238,236	0.35	219	0.85	0.06	0.94
	0.02	0.02	0.0	237,240,0	0.20	2.91e-03	2.91e-03	219,236,236			1.00	0.04	0.96
821	0.08	0.09	0.0	237,240,0	0.21	2.72e-03	0.01	219,238,236	0.35	219	0.85	0.06	0.94
	0.02	0.01	0.0	237,240,0	0.21	2.79e-03	2.79e-03	219,236,236			1.00	0.04	0.96
822	0.24	0.23	0.0	237,240,0	0.20	6.14e-03	0.04	219,233,240	0.34	219	0.85	0.06	0.94
	0.02	0.02	0.0	237,240,0	0.20	7.26e-03	7.26e-03	219,233,233			1.00	0.04	0.96
823	0.24	0.23	0.0	237,240,0	0.19	6.14e-03	0.04	219,233,240	0.34	219	0.85	0.06	0.94
	0.01	8.90e-03	0.0	237,240,0	0.19	2.32e-03	2.32e-03	219,240,240			1.00	0.04	0.96
824	0.21	0.21	0.0	237,240,0	0.20	5.84e-03	0.03	219,236,240	0.34	219	0.85	0.06	0.94
	0.02	0.02	0.0	237,240,0	0.20	7.26e-03	7.26e-03	219,233,233			1.00	0.04	0.96
825	0.18	0.18	0.0	237,240,0	0.20	0.01	0.03	219,236,236	0.35	219	0.85	0.06	0.94
	0.02	0.01	0.0	237,240,0	0.20	6.24e-03	6.24e-03	219,233,233			1.00	0.04	0.96
826	0.06	0.09	0.0	220,217,0	0.19	1.76e-03	0.01	219,225,209	0.34	219	0.85	0.06	0.94
	8.61e-03	7.14e-03	0.0	228,44,0	0.19	2.83e-03	2.83e-03	219,228,228			1.00	0.04	0.96
827	0.05	0.08	0.0	220,217,0	0.19	1.33e-03	9.68e-03	219,228,209	0.33	219	0.85	0.06	0.94
	6.61e-03	6.99e-03	0.0	212,44,0	0.19	2.04e-03	2.04e-03	219,228,228			1.00	0.04	0.96
828	0.01	0.06	0.0	220,217,0	0.20	5.24e-04	6.74e-03	219,227,217	0.34	219	0.85	0.06	0.94
	9.32e-03	7.20e-03	0.0	231,230,0	0.20	8.42e-04	8.42e-04	219,228,228			1.00	0.04	0.96
829	0.01	0.06	0.0	220,217,0	0.19	1.06e-03	6.59e-03	219,227,229	0.34	219	0.85	0.06	0.94
	8.69e-03	6.89e-03	0.0	212,230,0	0.19	9.48e-04	9.48e-04	219,228,228			1.00	0.04	0.96
830	0.0	0.05	0.0	0,100,0	0.20	6.11e-04	5.64e-03	219,225,229	0.34	219	0.0	0.0	0.0
	9.45e-03	7.20e-03	0.0	231,230,0	0.20	8.57e-04	8.57e-04	219,228,228			1.00	0.04	0.96
831	0.0	0.05	0.0	0,100,0	0.20	1.39e-03	5.90e-03	219,229,229	0.34	219	0.0	0.0	0.0
	9.88e-03	7.34e-03	0.0	219,218,0	0.20	6.85e-04	6.85e-04	219,228,228			1.00	0.04	0.96
832	0.0	0.05	0.0	0,100,0	0.20	7.09e-04	5.51e-03	219,225,229	0.34	219	0.0	0.0	0.0
	0.01	7.03e-03	0.0	219,230,0	0.20	8.57e-04	8.57e-04	219,228,228			1.00	0.04	0.96
833	0.0	0.05	0.0	0,100,0	0.20	1.64e-03	5.88e-03	219,228,225	0.34	219	0.0	0.0	0.0
	0.01	8.07e-03	0.0	219,218,0	0.20	7.53e-04	7.53e-04	219,228,228			1.00	0.04	0.96
834	0.0	0.05	0.0	0,100,0	0.20	7.09e-04	5.47e-03	219,225,225	0.35	219	0.0	0.0	0.0
	0.01	7.35e-03	0.0	219,218,0	0.20	8.26e-04	8.26e-04	219,228,228			1.00	0.04	0.96
835	0.0	0.05	0.0	0,100,0	0.20	1.67e-03	5.88e-03	219,225,225	0.34	219	0.0	0.0	0.0
	0.02	9.54e-03	0.0	219,218,0	0.20	7.53e-04	7.53e-04	219,228,228			1.00	0.04	0.96
836	0.0	0.05	0.0	0,100,0	0.21	7.09e-04	5.44e-03	219,225,100	0.35	219	0.0	0.0	0.0
	0.01	8.35e-03	0.0	223,222,0	0.21	6.26e-04	6.26e-04	219,226,226			1.00	0.04	0.96
837	0.0	0.05	0.0	0,100,0	0.20	1.67e-03	5.70e-03	219,225,225	0.35	219	0.0	0.0	0.0
	0.02	0.01	0.0	223,222,0	0.20	5.69e-04	5.69e-04	219,226,226			1.00	0.04	0.96
838	0.0	0.05	0.0	0,100,0	0.21	6.41e-04	5.38e-03	219,225,100	0.35	219	0.0	0.0	0.0
	0.02	9.79e-03	0.0	223,222,0	0.21	6.39e-04	6.39e-04	219,226,226			1.00	0.04	0.96
839	0.0	0.05	0.0	0,100,0	0.21	1.58e-03	5.44e-03	219,225,228	0.35	219	0.0	0.0	0.0
	0.03	0.02	0.0	223,222,0	0.21	4.65e-04	4.65e-04	219,230,230			1.00	0.04	0.96
840	0.0	0.05	0.0	0,100,0	0.21	7.00e-04	5.32e-03	219,225,228	0.35	219	0.0	0.0	0.0
	0.02	0.01	0.0	223,222,0	0.21	8.44e-04	8.44e-04	219,226,226			1.00	0.04	0.96
841	0.0	0.05	0.0	0,100,0	0.21	1.48e-03	5.34e-03	219,225,228	0.35	219	0.0	0.0	0.0
	0.03	0.02	0.0	223,222,0	0.21	8.16e-04	8.16e-04	219,226,226			1.00	0.04	0.96
842	5.29e-03	0.05	0.0	237,100,0	0.21	1.15e-03	6.44e-03	219,234,240	0.35	219	0.85	0.06	0.94
	0.02	0.01	0.0	215,214,0	0.21	2.14e-03	2.14e-03	219,234,234			1.00	0.04	0.96
843	4.07e-03	0.04	0.0	237,100,0	0.21	1.32e-03	6.29e-03	219,225,240	0.35	219	0.85	0.06	0.94
	0.05	0.03	0.0	223,222,0	0.21	2.14e-03	2.14e-03	219,234,234			1.00	0.04	0.96
844	0.03	0.06	0.0	237,240,0	0.21	2.00e-03	8.69e-03	219,234,240	0.36	219	0.85	0.06	0.94
	0.03	0.02	0.0	235,234,0	0.21	3.53e-03	3.53e-03	219,234,234			1.00	0.04	0.96
845	0.03	0.05	0.0	237,240,0	0.21	2.00e-03	8.69e-03	219,234,240	0.36	219	0.85	0.06	0.94
	0.07	0.04	0.0	223,222,0	0.21	5.46e-03	5.46e-03	219,234,234			1.00	0.04	0.96
846	0.08	0.09	0.0	237,240,0	0.21	2.57e-03	0.01	219,236,236	0.36	219	0.85	0.06	0.94
	0.03	0.02	0.0	235,234,0	0.21	3.53e-03	3.53e-03	219,234,234			1.00	0.04	0.96
847	0.08	0.09	0.0	237,240,0	0.23	4.55e-03	0.02	219,234,234	0.37	219	0.85	0.06	0.94
	0.10	0.06	0.0	223,222,0	0.23	6.68e-03	6.68e-03	219,234,234			1.00	0.04	0.96
848	0.16	0.16	0.0	237,240,0	0.21	0.01	0.04	219,236,236	0.36	219	0.85	0.06	0.94
	0.02	0.02	0.0	239,238,0	0.21	8.07e-03	8.07e-03	219,240,240			1.00	0.04	0.96
849	0.15	0.15	0.0	237,240,0	0.23	0.01	0.04	219,236,236	0.37	219	0.85	0.06	0.94
	0.12	0.08	0.0	223,222,0	0.23	0.02	0.02	219,234,234			1.00	0.04	0.96
850	0.04	0.08	0.0	220,209,0	0.18	1.33e-03	9.46e-03	219,228,217	0.32	219	0.85	0.06	0.94
	4.66e-03	6.80e-03	0.0	212,44,0	0.18	1.23e-03	1.23e-03	219,228,228			1.00	0.04	0.96

851	0.02	0.07	0.0	220,217,0	0.17	1.28e-03	7.89e-03	219,227,217	0.31	219	0.85	0.06	0.94
	4.34e-03	4.44e-03	0.0	212,230,0	0.17	5.82e-04	5.82e-04	219,209,209			1.00	0.04	0.96
852	0.02	0.06	0.0	220,217,0	0.19	1.93e-03	6.43e-03	219,227,229	0.33	219	0.85	0.06	0.94
	7.64e-03	6.10e-03	0.0	212,230,0	0.19	1.14e-03	1.14e-03	219,228,228			1.00	0.04	0.96
853	0.02	0.05	0.0	220,217,0	0.18	1.93e-03	6.39e-03	219,227,229	0.33	219	0.85	0.06	0.94
	6.03e-03	4.77e-03	0.0	216,218,0	0.18	1.14e-03	1.14e-03	219,228,228			1.00	0.04	0.96
854	0.0	0.05	0.0	0,100,0	0.19	2.38e-03	6.02e-03	219,229,229	0.34	219	0.0	0.0	0.0
	9.88e-03	7.34e-03	0.0	219,218,0	0.19	1.14e-03	1.14e-03	219,228,228			1.00	0.04	0.96
855	0.0	0.05	0.0	0,100,0	0.18	2.38e-03	6.02e-03	219,229,229	0.33	219	0.0	0.0	0.0
	6.94e-03	4.98e-03	0.0	219,218,0	0.18	1.14e-03	1.14e-03	219,228,228			1.00	0.04	0.96
856	0.0	0.05	0.0	0,100,0	0.19	2.57e-03	6.02e-03	219,228,229	0.34	219	0.0	0.0	0.0
	0.01	8.07e-03	0.0	219,218,0	0.19	7.49e-04	7.49e-04	219,228,228			1.00	0.04	0.96
857	0.0	0.05	0.0	0,100,0	0.19	2.57e-03	6.02e-03	218,228,229	0.33	218	0.0	0.0	0.0
	9.42e-03	6.28e-03	0.0	211,210,0	0.19	7.49e-04	7.49e-04	218,228,228			1.00	0.04	0.96
858	0.0	0.05	0.0	0,100,0	0.19	2.60e-03	5.89e-03	219,225,225	0.34	219	0.0	0.0	0.0
	0.02	9.54e-03	0.0	219,218,0	0.19	9.31e-04	9.31e-04	219,225,225			1.00	0.04	0.96
859	0.0	0.05	0.0	0,100,0	0.19	2.60e-03	5.89e-03	218,225,225	0.33	218	0.0	0.0	0.0
	0.01	6.96e-03	0.0	219,218,0	0.19	9.31e-04	9.31e-04	218,225,225			1.00	0.04	0.96
860	0.0	0.05	0.0	0,100,0	0.20	2.66e-03	5.72e-03	219,225,225	0.34	219	0.0	0.0	0.0
	0.02	0.01	0.0	223,222,0	0.20	9.31e-04	9.31e-04	219,225,225			1.00	0.04	0.96
861	0.0	0.05	0.0	0,100,0	0.18	2.66e-03	5.72e-03	219,225,225	0.33	219	0.0	0.0	0.0
	0.01	8.60e-03	0.0	219,218,0	0.18	9.31e-04	9.31e-04	219,225,225			1.00	0.04	0.96
862	0.0	0.05	0.0	0,100,0	0.20	2.66e-03	5.62e-03	219,225,228	0.34	219	0.0	0.0	0.0
	0.03	0.02	0.0	223,222,0	0.20	6.99e-04	6.99e-04	219,231,231			1.00	0.04	0.96
863	0.0	0.05	0.0	0,100,0	0.18	2.66e-03	5.62e-03	219,225,228	0.33	219	0.0	0.0	0.0
	0.02	9.51e-03	0.0	219,218,0	0.18	6.99e-04	6.99e-04	219,231,231			1.00	0.04	0.96
864	0.0	0.05	0.0	0,100,0	0.20	2.31e-03	5.35e-03	219,225,228	0.34	219	0.0	0.0	0.0
	0.03	0.02	0.0	223,222,0	0.20	7.34e-04	7.34e-04	219,212,212			1.00	0.04	0.96
865	0.0	0.05	0.0	0,100,0	0.18	2.31e-03	5.35e-03	219,225,228	0.33	219	0.0	0.0	0.0
	0.02	0.01	0.0	219,218,0	0.18	7.34e-04	7.34e-04	219,212,212			1.00	0.04	0.96
866	2.48e-03	0.04	0.0	237,100,0	0.20	1.94e-03	5.71e-03	219,227,232	0.34	219	0.85	0.06	0.94
	0.05	0.03	0.0	223,222,0	0.20	1.93e-03	1.93e-03	219,234,234			1.00	0.04	0.96
867	8.14e-04	0.04	0.0	237,100,0	0.17	1.94e-03	5.46e-03	219,227,232	0.32	219	0.85	0.06	0.94
	0.03	0.02	0.0	219,218,0	0.17	1.31e-03	1.31e-03	219,228,228			1.00	0.04	0.96
868	0.02	0.05	0.0	237,240,0	0.21	1.90e-03	7.68e-03	219,234,240	0.35	219	0.85	0.06	0.94
	0.07	0.04	0.0	223,222,0	0.21	5.46e-03	5.46e-03	219,234,234			1.00	0.04	0.96
869	0.02	0.05	0.0	237,240,0	0.16	1.49e-03	6.56e-03	219,225,240	0.31	219	0.85	0.06	0.94
	0.05	0.03	0.0	223,222,0	0.16	3.66e-03	3.66e-03	219,238,238			1.00	0.04	0.96
870	0.07	0.09	0.0	237,240,0	0.23	4.69e-03	0.02	219,234,234	0.37	219	0.85	0.06	0.94
	0.10	0.06	0.0	223,222,0	0.23	9.07e-03	9.07e-03	219,234,234			1.00	0.04	0.96
871	0.07	0.08	0.0	233,236,0	0.14	4.69e-03	0.01	219,234,240	0.29	219	0.85	0.06	0.94
	0.09	0.06	0.0	223,222,0	0.14	9.07e-03	9.07e-03	219,234,234			1.00	0.04	0.96
872	0.14	0.14	0.0	237,240,0	0.23	0.03	0.05	219,234,234	0.37	219	0.85	0.06	0.94
	0.13	0.09	0.0	223,222,0	0.23	0.02	0.02	219,234,234			1.00	0.04	0.96
873	0.11	0.11	0.0	233,236,0	0.12	0.03	0.05	219,234,234	0.26	219	0.85	0.06	0.94
	0.13	0.09	0.0	223,222,0	0.12	9.18e-03	9.18e-03	219,234,234			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.24	0.23	0.0	0.23	0.03	0.05	0.37

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
30	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.95	-419.2	203	0.92	-408.7	203	0.91	-3.149e+04	1.893e+07	240

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
70	0.13	0.13	0.0	233,236,0	0.21	9.99e-03	0.02	234,212,236	0.35	234	0.85	0.06	0.94
	1.35e-03	3.04e-03	0.0	215,214,0	0.21	6.32e-04	6.32e-04	234,219,219			1.00	0.04	0.96
71	0.13	0.13	0.0	233,236,0	0.21	0.01	0.03	234,212,212	0.35	234	0.85	0.06	0.94
	0.01	8.95e-03	0.0	209,212,0	0.21	8.58e-03	8.58e-03	234,212,212			1.00	0.04	0.96
74	0.11	0.13	0.0	233,236,0	0.20	0.01	0.03	234,212,212	0.34	234	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.20	0.02	0.02	234,212,212			1.00	0.04	0.96
76	0.10	0.13	0.0	233,236,0	0.19	0.03	0.04	234,209,212	0.33	234	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.19	0.02	0.02	234,212,212			1.00	0.04	0.96
82	0.08	0.11	0.0	233,236,0	0.18	0.03	0.04	234,209,212	0.32	234	0.85	0.06	0.94
	0.02	0.01	0.0	212,212,0	0.18	0.01	0.01	234,212,212			1.00	0.04	0.96
84	0.06	0.10	0.0	233,236,0	0.18	0.03	0.04	234,212,212	0.32	234	0.85	0.06	0.94

	0.02	0.02	0.0	212,209,0	0.18	0.01	0.01234,209,209			1.00	0.04	0.96
88	0.06	0.10	0.0	233,236,0	0.18	0.03	0.04234,209,212	0.32	234	0.85	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.18	0.01	0.01234,209,209			1.00	0.04	0.96
90	0.05	0.10	0.0	233,236,0	0.21	0.03	0.04234,209,212	0.36	234	0.85	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.21	2.35e-03	2.35e-03234,209,209			1.00	0.04	0.96
874	0.13	0.13	0.0	233,236,0	0.23	0.01	0.03235,212,212	0.37	235	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.23	8.58e-03	8.58e-03235,212,212			1.00	0.04	0.96
875	0.13	0.13	0.0	233,236,0	0.22	9.99e-03	0.02235,212,236	0.36	235	0.85	0.06	0.94
	8.39e-03	5.21e-03	0.0	215,214,0	0.22	6.32e-04	6.32e-04235,219,219			1.00	0.04	0.96
876	0.11	0.13	0.0	233,236,0	0.23	0.01	0.03235,212,212	0.37	235	0.85	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.23	0.02	0.02235,212,212			1.00	0.04	0.96
877	0.10	0.13	0.0	233,236,0	0.22	0.03	0.04235,209,212	0.36	235	0.85	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.22	0.02	0.02235,212,212			1.00	0.04	0.96
878	0.0	0.10	0.0	0,100,0	0.23	3.06e-03	0.01235,212,100	0.37	235	0.0	0.0	0.0
	0.03	0.02	0.0	209,212,0	0.23	3.83e-03	3.83e-03235,212,212			1.00	0.04	0.96
879	0.0	0.10	0.0	0,100,0	0.22	3.06e-03	0.01234,212,100	0.36	234	0.0	0.0	0.0
	9.13e-03	6.07e-03	0.0	209,212,0	0.22	1.83e-03	1.83e-03234,216,216			1.00	0.04	0.96
880	9.82e-04	0.10	0.0	233,100,0	0.23	2.95e-03	0.01234,209,212	0.37	234	0.85	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.23	6.11e-03	6.11e-03234,209,209			1.00	0.04	0.96
881	9.82e-04	0.10	0.0	233,100,0	0.23	2.95e-03	0.01234,209,212	0.37	234	0.85	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.23	6.11e-03	6.11e-03234,209,209			1.00	0.04	0.96
882	0.0	0.11	0.0	0,100,0	0.23	2.87e-03	0.01234,209,100	0.37	234	0.0	0.0	0.0
	0.02	0.01	0.0	209,212,0	0.23	3.83e-03	3.83e-03234,212,212			1.00	0.04	0.96
883	0.0	0.11	0.0	0,100,0	0.23	2.87e-03	0.01235,209,100	0.36	235	0.0	0.0	0.0
	9.13e-03	6.07e-03	0.0	209,212,0	0.23	1.83e-03	1.83e-03235,216,216			1.00	0.04	0.96
884	0.0	0.11	0.0	0,100,0	0.23	1.94e-03	0.01234,209,100	0.37	234	0.0	0.0	0.0
	0.02	0.02	0.0	209,212,0	0.23	5.37e-03	5.37e-03234,212,212			1.00	0.04	0.96
885	0.0	0.11	0.0	0,100,0	0.23	1.54e-03	0.01234,209,100	0.37	234	0.0	0.0	0.0
	0.02	0.02	0.0	209,212,0	0.23	5.37e-03	5.37e-03234,212,212			1.00	0.04	0.96
886	0.0	0.12	0.0	0,100,0	0.23	2.87e-03	0.01235,209,100	0.37	235	0.0	0.0	0.0
	0.01	6.61e-03	0.0	209,212,0	0.23	2.68e-03	2.68e-03235,212,212			1.00	0.04	0.96
887	0.0	0.12	0.0	0,100,0	0.23	2.87e-03	0.01235,209,100	0.37	235	0.0	0.0	0.0
	5.03e-03	3.04e-03	0.0	209,212,0	0.23	1.30e-03	1.30e-03235,212,212			1.00	0.04	0.96
888	0.0	0.12	0.0	0,100,0	0.23	1.94e-03	0.01235,209,100	0.37	235	0.0	0.0	0.0
	0.01	7.45e-03	0.0	209,212,0	0.23	2.68e-03	2.68e-03235,212,212			1.00	0.04	0.96
889	0.0	0.12	0.0	0,100,0	0.24	9.62e-04	0.01235,209,100	0.37	235	0.0	0.0	0.0
	0.01	7.45e-03	0.0	209,212,0	0.24	2.37e-03	2.37e-03235,212,212			1.00	0.04	0.96
890	0.0	0.12	0.0	0,100,0	0.23	2.66e-03	0.01235,209,100	0.37	235	0.0	0.0	0.0
	5.37e-03	2.37e-03	0.0	213,212,0	0.23	8.25e-04	8.25e-04235,212,212			1.00	0.04	0.96
891	0.0	0.12	0.0	0,100,0	0.23	2.66e-03	0.01235,209,100	0.37	235	0.0	0.0	0.0
	2.29e-03	1.04e-03	0.0	215,214,0	0.23	5.44e-04	5.44e-04235,225,225			1.00	0.04	0.96
892	0.0	0.12	0.0	0,100,0	0.23	1.91e-03	0.01235,209,100	0.37	235	0.0	0.0	0.0
	8.21e-03	4.01e-03	0.0	209,212,0	0.23	8.25e-04	8.25e-04235,212,212			1.00	0.04	0.96
893	0.0	0.12	0.0	0,100,0	0.24	1.15e-03	0.01235,209,100	0.37	235	0.0	0.0	0.0
	9.08e-03	4.74e-03	0.0	209,212,0	0.24	7.47e-04	7.47e-04235,212,212			1.00	0.04	0.96
894	0.0	0.12	0.0	0,100,0	0.23	2.23e-03	0.01235,212,100	0.37	235	0.0	0.0	0.0
	5.25e-03	2.36e-03	0.0	209,217,0	0.23	9.30e-04	9.30e-04235,209,209			1.00	0.04	0.96
895	0.0	0.12	0.0	0,100,0	0.23	2.23e-03	0.01235,212,100	0.37	235	0.0	0.0	0.0
	1.94e-03	9.44e-04	0.0	209,217,0	0.23	9.30e-04	9.30e-04235,209,209			1.00	0.04	0.96
896	0.0	0.12	0.0	0,100,0	0.23	1.79e-03	0.01235,212,100	0.37	235	0.0	0.0	0.0
	7.94e-03	3.53e-03	0.0	209,217,0	0.23	6.21e-04	6.21e-04235,209,209			1.00	0.04	0.96
897	0.0	0.12	0.0	0,100,0	0.24	1.15e-03	0.01235,209,100	0.37	235	0.0	0.0	0.0
	8.90e-03	4.12e-03	0.0	209,217,0	0.24	6.21e-04	6.21e-04235,209,209			1.00	0.04	0.96
898	0.0	0.12	0.0	0,100,0	0.23	1.77e-03	0.01235,212,100	0.37	235	0.0	0.0	0.0
	6.23e-03	3.26e-03	0.0	209,221,0	0.23	9.30e-04	9.30e-04235,209,209			1.00	0.04	0.96
899	0.0	0.12	0.0	0,100,0	0.23	1.77e-03	0.01235,212,100	0.37	235	0.0	0.0	0.0
	2.41e-03	1.38e-03	0.0	216,213,0	0.23	9.30e-04	9.30e-04235,209,209			1.00	0.04	0.96
900	0.0	0.12	0.0	0,100,0	0.23	1.47e-03	0.01235,212,100	0.37	235	0.0	0.0	0.0
	9.29e-03	4.45e-03	0.0	209,217,0	0.23	6.21e-04	6.21e-04235,209,209			1.00	0.04	0.96
901	0.0	0.12	0.0	0,100,0	0.24	1.01e-03	0.01235,212,100	0.37	235	0.0	0.0	0.0
	9.82e-03	4.77e-03	0.0	209,217,0	0.24	6.21e-04	6.21e-04235,209,209			1.00	0.04	0.96
902	0.0	0.13	0.0	0,100,0	0.23	1.33e-03	0.01235,211,100	0.37	235	0.0	0.0	0.0
	6.47e-03	3.26e-03	0.0	214,221,0	0.23	9.46e-04	9.46e-04235,209,209			1.00	0.04	0.96
903	0.0	0.13	0.0	0,100,0	0.23	1.33e-03	0.01235,211,100	0.37	235	0.0	0.0	0.0
	2.86e-03	1.65e-03	0.0	216,213,0	0.23	9.31e-04	9.31e-04235,209,209			1.00	0.04	0.96
904	0.0	0.12	0.0	0,100,0	0.23	1.07e-03	0.01235,211,100	0.37	235	0.0	0.0	0.0
	9.29e-03	4.45e-03	0.0	209,217,0	0.23	1.44e-03	1.44e-03235,209,209			1.00	0.04	0.96
905	0.0	0.12	0.0	0,100,0	0.24	6.72e-04	0.01235,215,100	0.37	235	0.0	0.0	0.0
	9.82e-03	4.77e-03	0.0	209,217,0	0.24	1.94e-03	1.94e-03235,209,209			1.00	0.04	0.96
906	0.0	0.13	0.0	0,100,0	0.23	1.80e-03	0.01235,209,100	0.37	235	0.0	0.0	0.0
	6.47e-03	3.17e-03	0.0	214,221,0	0.23	3.44e-03	3.44e-03235,209,209			1.00	0.04	0.96
907	0.0	0.13	0.0	0,100,0	0.23	1.80e-03	0.01235,209,100	0.37	235	0.0	0.0	0.0
	2.86e-03	1.65e-03	0.0	216,213,0	0.23	9.31e-04	9.31e-04235,209,209			1.00	0.04	0.96
908	0.0	0.13	0.0	0,100,0	0.23	1.07e-03	0.01235,211,100	0.37	235	0.0	0.0	0.0
	8.89e-03	4.01e-03	0.0	214,215,0	0.23	4.82e-03	4.82e-03235,209,209			1.00	0.04	0.96

909	0.0	0.13	0.0	0,100,0	0.23	9.24e-04	0.01235,212,100	0.37	235	0.0	0.0	0.0
	8.89e-03	4.01e-03	0.0	214,215,0	0.23	5.12e-03	5.12e-03235,209,209			1.00	0.04	0.96
910	0.04	0.16	0.0	220,217,0	0.23	7.07e-03	0.03234,217,217	0.37	234	0.85	0.06	0.94
	0.02	0.01	0.0	209,212,0	0.23	0.01	0.01234,209,209			1.00	0.04	0.96
911	0.04	0.16	0.0	220,217,0	0.23	7.07e-03	0.03235,217,217	0.37	235	0.85	0.06	0.94
	0.01	6.47e-03	0.0	209,212,0	0.23	4.47e-03	4.47e-03235,217,217			1.00	0.04	0.96
912	0.03	0.15	0.0	224,221,0	0.23	2.45e-03	0.02234,217,217	0.37	234	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.23	0.01	0.01234,209,209			1.00	0.04	0.96
913	0.03	0.14	0.0	224,221,0	0.23	1.57e-03	0.02234,212,217	0.37	234	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.23	9.84e-03	9.84e-03234,209,209			1.00	0.04	0.96
914	0.05	0.18	0.0	224,221,0	0.23	7.29e-03	0.03234,217,221	0.37	234	0.85	0.06	0.94
	0.03	0.01	0.0	209,212,0	0.23	0.01	0.01234,217,217			1.00	0.04	0.96
915	0.05	0.18	0.0	224,221,0	0.23	7.29e-03	0.03234,217,221	0.36	234	0.85	0.06	0.94
	0.01	6.53e-03	0.0	209,212,0	0.23	5.06e-03	5.06e-03234,209,209			1.00	0.04	0.96
916	0.04	0.17	0.0	224,221,0	0.23	2.49e-03	0.03234,209,221	0.37	234	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.23	0.01	0.01234,217,217			1.00	0.04	0.96
917	0.03	0.16	0.0	224,221,0	0.23	1.62e-03	0.02234,220,221	0.37	234	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.23	0.01	0.01234,209,209			1.00	0.04	0.96
918	0.08	0.11	0.0	233,236,0	0.22	0.03	0.04235,209,212	0.36	235	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.22	0.01	0.01235,212,212			1.00	0.04	0.96
919	0.06	0.10	0.0	233,236,0	0.22	0.03	0.04234,212,212	0.36	234	0.85	0.06	0.94
	0.03	0.02	0.0	209,209,0	0.22	0.01	0.01234,209,209			1.00	0.04	0.96
920	0.0	0.10	0.0	0,100,0	0.23	1.94e-03	0.01234,209,100	0.37	234	0.0	0.0	0.0
	0.03	0.02	0.0	209,212,0	0.23	8.04e-03	8.04e-03234,212,212			1.00	0.04	0.96
921	0.0	0.10	0.0	0,100,0	0.23	1.94e-03	0.01234,209,100	0.37	234	0.0	0.0	0.0
	0.03	0.02	0.0	209,209,0	0.23	9.28e-03	9.28e-03234,212,212			1.00	0.04	0.96
922	0.0	0.11	0.0	0,100,0	0.24	1.94e-03	0.01234,209,100	0.37	234	0.0	0.0	0.0
	0.02	0.01	0.0	209,212,0	0.24	3.31e-03	3.31e-03234,209,209			1.00	0.04	0.96
923	0.0	0.11	0.0	0,100,0	0.24	1.94e-03	0.01234,209,100	0.37	234	0.0	0.0	0.0
	9.17e-03	5.60e-03	0.0	209,212,0	0.24	6.30e-03	6.30e-03234,209,209			1.00	0.04	0.96
924	0.0	0.12	0.0	0,100,0	0.24	1.53e-03	0.01234,209,100	0.37	234	0.0	0.0	0.0
	0.01	6.88e-03	0.0	209,212,0	0.24	1.13e-03	1.13e-03234,212,212			1.00	0.04	0.96
925	0.0	0.12	0.0	0,100,0	0.24	1.92e-03	0.01234,209,100	0.38	234	0.0	0.0	0.0
	9.17e-03	5.60e-03	0.0	209,212,0	0.24	1.26e-03	1.26e-03234,209,209			1.00	0.04	0.96
926	0.0	0.12	0.0	0,100,0	0.24	1.02e-03	0.01235,209,100	0.37	235	0.0	0.0	0.0
	9.08e-03	5.14e-03	0.0	209,209,0	0.24	6.59e-04	6.59e-04235,212,212			1.00	0.04	0.96
927	0.0	0.12	0.0	0,100,0	0.24	1.97e-03	0.01235,209,100	0.38	235	0.0	0.0	0.0
	8.73e-03	5.14e-03	0.0	212,209,0	0.24	6.51e-04	6.51e-04235,212,212			1.00	0.04	0.96
928	0.0	0.12	0.0	0,100,0	0.24	8.42e-04	0.01235,212,100	0.38	235	0.0	0.0	0.0
	8.90e-03	4.24e-03	0.0	209,209,0	0.24	5.57e-04	5.57e-04235,213,213			1.00	0.04	0.96
929	0.0	0.12	0.0	0,100,0	0.24	1.97e-03	0.01235,209,100	0.38	235	0.0	0.0	0.0
	7.87e-03	4.24e-03	0.0	209,209,0	0.24	4.47e-04	4.47e-04235,210,210			1.00	0.04	0.96
930	0.0	0.12	0.0	0,100,0	0.24	6.32e-04	0.01235,212,100	0.38	235	0.0	0.0	0.0
	9.82e-03	4.77e-03	0.0	209,217,0	0.24	5.57e-04	5.57e-04235,213,213			1.00	0.04	0.96
931	0.0	0.12	0.0	0,100,0	0.24	1.61e-03	0.01235,212,100	0.38	235	0.0	0.0	0.0
	8.27e-03	4.27e-03	0.0	209,221,0	0.24	5.31e-04	5.31e-04235,215,215			1.00	0.04	0.96
932	0.0	0.12	0.0	0,100,0	0.24	4.98e-04	0.01235,217,100	0.37	235	0.0	0.0	0.0
	9.82e-03	4.77e-03	0.0	209,217,0	0.24	1.94e-03	1.94e-03235,209,209			1.00	0.04	0.96
933	0.0	0.12	0.0	0,100,0	0.24	1.04e-03	0.01235,211,100	0.38	235	0.0	0.0	0.0
	8.27e-03	4.27e-03	0.0	209,221,0	0.24	1.67e-03	1.67e-03235,209,209			1.00	0.04	0.96
934	0.0	0.13	0.0	0,100,0	0.24	1.62e-03	0.01235,217,100	0.37	235	0.0	0.0	0.0
	8.51e-03	3.70e-03	0.0	214,215,0	0.24	5.12e-03	5.12e-03235,209,209			1.00	0.04	0.96
935	0.0	0.13	0.0	0,100,0	0.24	1.62e-03	0.01235,217,100	0.37	235	0.0	0.0	0.0
	7.08e-03	3.36e-03	0.0	214,215,0	0.24	4.25e-03	4.25e-03235,209,209			1.00	0.04	0.96
936	0.02	0.13	0.0	224,100,0	0.23	2.07e-03	0.02234,220,217	0.37	234	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.23	8.58e-03	8.58e-03234,209,209			1.00	0.04	0.96
937	4.28e-03	0.13	0.0	224,100,0	0.23	2.60e-03	0.02234,217,217	0.37	234	0.85	0.06	0.94
	0.02	0.01	0.0	209,212,0	0.23	7.39e-03	7.39e-03234,209,209			1.00	0.04	0.96
938	0.03	0.16	0.0	240,237,0	0.23	2.13e-03	0.02234,220,221	0.37	234	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.23	8.64e-03	8.64e-03234,209,209			1.00	0.04	0.96
939	0.02	0.15	0.0	240,100,0	0.23	2.62e-03	0.02234,217,221	0.37	234	0.85	0.06	0.94
	0.03	0.01	0.0	209,212,0	0.23	7.41e-03	7.41e-03234,209,209			1.00	0.04	0.96
940	0.06	0.10	0.0	233,236,0	0.22	0.03	0.04234,209,212	0.36	234	0.85	0.06	0.94
	0.03	0.02	0.0	209,209,0	0.22	0.01	0.01234,209,209			1.00	0.04	0.96
941	0.01	0.10	0.0	233,100,0	0.22	0.01	0.02234,209,212	0.36	234	0.85	0.06	0.94
	0.01	9.78e-03	0.0	212,209,0	0.22	2.39e-03	2.39e-03234,209,209			1.00	0.04	0.96
942	2.10e-03	0.10	0.0	233,100,0	0.24	6.18e-03	0.01234,209,212	0.37	234	0.85	0.06	0.94
	0.03	0.02	0.0	209,209,0	0.24	9.28e-03	9.28e-03234,212,212			1.00	0.04	0.96
943	2.10e-03	0.10	0.0	233,100,0	0.24	6.18e-03	0.01234,209,212	0.37	234	0.85	0.06	0.94
	0.01	9.78e-03	0.0	212,209,0	0.24	2.71e-03	2.71e-03234,209,209			1.00	0.04	0.96
944	0.0	0.11	0.0	0,100,0	0.24	1.99e-03	0.01234,210,100	0.37	234	0.0	0.0	0.0
	6.73e-03	4.29e-03	0.0	212,209,0	0.24	6.30e-03	6.30e-03234,209,209			1.00	0.04	0.96
945	0.0	0.11	0.0	0,100,0	0.24	1.99e-03	0.01234,210,100	0.37	234	0.0	0.0	0.0
	4.15e-03	3.14e-03	0.0	236,213,0	0.24	2.71e-03	2.71e-03234,209,209			1.00	0.04	0.96
946	0.0	0.12	0.0	0,100,0	0.24	2.75e-03	0.01234,209,100	0.38	234	0.0	0.0	0.0

	7.12e-03	4.57e-03	0.0	212,209,0	0.24	1.26e-03	1.26e-03234,209,209			1.00	0.04	0.96
947	0.0	0.11	0.0	0,100,0	0.24	2.75e-03	0.01234,209,100	0.38	234	0.0	0.0	0.0
	4.62e-03	3.18e-03	0.0	216,213,0	0.24	5.43e-04	5.43e-04234,230,230			1.00	0.04	0.96
948	0.0	0.12	0.0	0,100,0	0.24	3.03e-03	0.01235,209,100	0.38	235	0.0	0.0	0.0
	7.12e-03	4.57e-03	0.0	212,209,0	0.24	7.19e-04	7.19e-04235,212,212			1.00	0.04	0.96
949	0.0	0.12	0.0	0,100,0	0.24	3.03e-03	0.01234,209,100	0.38	234	0.0	0.0	0.0
	4.62e-03	3.18e-03	0.0	216,213,0	0.24	7.19e-04	7.19e-04234,212,212			1.00	0.04	0.96
950	0.0	0.12	0.0	0,100,0	0.24	3.03e-03	0.01235,209,100	0.38	235	0.0	0.0	0.0
	5.87e-03	3.76e-03	0.0	216,209,0	0.24	7.19e-04	7.19e-04235,212,212			1.00	0.04	0.96
951	0.0	0.12	0.0	0,100,0	0.24	3.03e-03	0.01235,209,100	0.38	235	0.0	0.0	0.0
	4.46e-03	3.07e-03	0.0	216,209,0	0.24	7.19e-04	7.19e-04235,212,212			1.00	0.04	0.96
952	0.0	0.12	0.0	0,100,0	0.24	2.55e-03	0.01235,212,100	0.38	235	0.0	0.0	0.0
	5.21e-03	3.30e-03	0.0	214,221,0	0.24	6.64e-04	6.64e-04235,218,218			1.00	0.04	0.96
953	0.0	0.12	0.0	0,100,0	0.24	2.55e-03	0.01235,212,100	0.38	235	0.0	0.0	0.0
	3.36e-03	2.34e-03	0.0	216,213,0	0.24	6.64e-04	6.64e-04235,218,218			1.00	0.04	0.96
954	0.0	0.12	0.0	0,100,0	0.24	1.88e-03	0.01235,211,100	0.38	235	0.0	0.0	0.0
	5.21e-03	3.30e-03	0.0	214,221,0	0.24	1.13e-03	1.13e-03235,221,221			1.00	0.04	0.96
955	0.0	0.12	0.0	0,100,0	0.24	1.88e-03	0.01235,211,100	0.38	235	0.0	0.0	0.0
	3.01e-03	2.15e-03	0.0	214,237,0	0.24	6.64e-04	6.64e-04235,218,218			1.00	0.04	0.96
956	0.0	0.13	0.0	0,100,0	0.24	1.26e-03	0.01235,211,100	0.37	235	0.0	0.0	0.0
	5.17e-03	3.02e-03	0.0	214,215,0	0.24	2.82e-03	2.82e-03235,217,217			1.00	0.04	0.96
957	0.0	0.12	0.0	0,100,0	0.24	1.26e-03	0.01235,211,100	0.37	235	0.0	0.0	0.0
	2.82e-03	2.14e-03	0.0	234,237,0	0.24	5.78e-04	5.78e-04235,225,225			1.00	0.04	0.96
958	0.0	0.13	0.0	0,100,0	0.23	4.09e-03	0.02235,217,221	0.37	235	0.0	0.0	0.0
	0.02	9.34e-03	0.0	209,212,0	0.23	6.28e-03	6.28e-03235,209,209			1.00	0.04	0.96
959	0.0	0.12	0.0	0,100,0	0.23	4.09e-03	0.02235,217,100	0.37	235	0.0	0.0	0.0
	7.41e-03	4.72e-03	0.0	214,221,0	0.23	2.79e-03	2.79e-03235,209,209			1.00	0.04	0.96
960	0.02	0.15	0.0	240,100,0	0.23	4.26e-03	0.02235,209,237	0.37	235	0.85	0.06	0.94
	0.02	9.34e-03	0.0	209,212,0	0.23	6.53e-03	6.53e-03235,209,209			1.00	0.04	0.96
961	0.01	0.14	0.0	240,100,0	0.23	4.26e-03	0.02235,209,100	0.37	235	0.85	0.06	0.94
	0.01	8.48e-03	0.0	214,215,0	0.23	2.79e-03	2.79e-03235,209,209			1.00	0.04	0.96
962	0.05	0.18	0.0	224,221,0	0.23	7.29e-03	0.03235,217,221	0.37	235	0.85	0.06	0.94
	0.03	0.01	0.0	209,212,0	0.23	0.01	0.01235,217,217			1.00	0.04	0.96
963	0.05	0.18	0.0	224,221,0	0.23	7.29e-03	0.03235,217,221	0.37	235	0.85	0.06	0.94
	0.01	6.53e-03	0.0	209,212,0	0.23	5.06e-03	5.06e-03235,209,209			1.00	0.04	0.96
964	0.05	0.18	0.0	240,237,0	0.23	2.49e-03	0.03235,209,221	0.37	235	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.23	0.01	0.01235,217,217			1.00	0.04	0.96
965	0.06	0.19	0.0	236,233,0	0.23	1.62e-03	0.02235,220,233	0.37	235	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.23	0.01	0.01235,209,209			1.00	0.04	0.96
966	0.05	0.18	0.0	240,237,0	0.27	2.46e-03	0.02235,209,233	0.40	235	0.85	0.06	0.94
	8.00e-03	4.45e-03	0.0	240,237,0	0.27	3.97e-03	3.97e-03235,217,217			1.00	0.04	0.96
967	0.04	0.17	0.0	240,237,0	0.24	1.81e-03	0.02235,211,237	0.38	235	0.85	0.06	0.94
	3.84e-03	2.18e-03	0.0	240,237,0	0.24	7.97e-04	7.97e-04235,225,225			1.00	0.04	0.96
968	0.05	0.18	0.0	240,237,0	0.31	2.46e-03	0.02235,209,233	0.43	235	0.85	0.06	0.94
	9.81e-03	4.45e-03	0.0	214,237,0	0.31	5.41e-03	5.41e-03235,209,209			1.00	0.04	0.96
969	0.06	0.19	0.0	236,233,0	0.35	1.02e-03	0.02235,220,233	0.45	235	0.85	0.06	0.94
	0.01	4.13e-03	0.0	214,215,0	0.35	5.53e-03	5.53e-03235,209,209			1.00	0.04	0.96
970	0.03	0.12	0.0	236,233,0	0.27	1.81e-03	0.01235,211,233	0.40	235	0.85	0.06	0.94
	0.01	9.51e-03	0.0	240,237,0	0.27	1.11e-03	1.11e-03235,221,221			1.00	0.04	0.96
971	0.03	0.11	0.0	236,233,0	0.24	1.81e-03	0.01235,211,239	0.38	235	0.85	0.06	0.94
	6.74e-03	5.24e-03	0.0	236,233,0	0.24	8.32e-04	8.32e-04235,218,218			1.00	0.04	0.96
972	0.03	0.12	0.0	236,233,0	0.31	8.17e-04	0.01235,219,233	0.43	235	0.85	0.06	0.94
	0.01	9.51e-03	0.0	240,237,0	0.31	1.86e-03	1.86e-03235,209,209			1.00	0.04	0.96
973	0.03	0.12	0.0	236,233,0	0.35	5.20e-04	0.01235,219,233	0.45	235	0.85	0.06	0.94
	0.01	8.96e-03	0.0	240,237,0	0.35	2.34e-03	2.34e-03235,209,209			1.00	0.04	0.96
974	0.0	0.06	0.0	0,100,0	0.24	1.24e-03	6.93e-03235,220,100	0.38	235	0.0	0.0	0.0
	0.02	0.01	0.0	234,237,0	0.24	8.91e-04	8.91e-04235,218,218			1.00	0.04	0.96
975	0.0	0.06	0.0	0,100,0	0.23	1.24e-03	6.93e-03235,220,100	0.37	235	0.0	0.0	0.0
	9.06e-03	6.51e-03	0.0	234,235,0	0.23	8.91e-04	8.91e-04235,218,218			1.00	0.04	0.96
976	0.0	0.06	0.0	0,100,0	0.26	1.02e-03	6.86e-03235,220,100	0.39	235	0.0	0.0	0.0
	0.02	0.01	0.0	234,237,0	0.26	8.48e-04	8.48e-04235,217,217			1.00	0.04	0.96
977	0.0	0.06	0.0	0,100,0	0.27	6.74e-04	6.64e-03235,220,100	0.40	235	0.0	0.0	0.0
	0.01	9.51e-03	0.0	234,237,0	0.27	8.48e-04	8.48e-04235,217,217			1.00	0.04	0.96
978	0.18	0.20	0.0	234,235,0	0.24	2.28e-03	0.02235,221,235	0.37	235	0.85	0.06	0.94
	0.02	0.01	0.0	234,237,0	0.24	8.91e-04	8.91e-04235,218,218			1.00	0.04	0.96
979	0.18	0.20	0.0	234,235,0	0.22	2.28e-03	0.02235,221,235	0.36	235	0.85	0.06	0.94
	9.06e-03	6.51e-03	0.0	234,235,0	0.22	8.91e-04	8.91e-04235,218,218			1.00	0.04	0.96
980	0.15	0.17	0.0	234,235,0	0.24	1.86e-03	0.02235,221,235	0.38	235	0.85	0.06	0.94
	0.02	0.01	0.0	234,237,0	0.24	8.48e-04	8.48e-04235,217,217			1.00	0.04	0.96
981	0.11	0.14	0.0	234,235,0	0.24	1.16e-03	0.02235,218,235	0.38	235	0.85	0.06	0.94
	0.01	9.51e-03	0.0	234,237,0	0.24	8.48e-04	8.48e-04235,217,217			1.00	0.04	0.96
982	0.18	0.20	0.0	234,235,0	0.19	2.28e-03	0.02235,221,235	0.33	235	0.85	0.06	0.94
	8.76e-03	6.25e-03	0.0	234,235,0	0.19	7.79e-04	7.79e-04235,218,218			1.00	0.04	0.96
983	0.18	0.20	0.0	234,235,0	0.19	2.28e-03	0.02235,221,235	0.33	235	0.85	0.06	0.94
	5.08e-03	3.79e-03	0.0	234,235,0	0.19	7.79e-04	7.79e-04235,218,218			1.00	0.04	0.96

984	0.15	0.17	0.0	234,235,0	0.15	1.86e-03	0.02235,221,235	0.30	235	0.85	0.06	0.94
	8.76e-03	6.25e-03	0.0	234,235,0	0.15	6.49e-04	6.49e-04235,217,217			1.00	0.04	0.96
985	0.11	0.14	0.0	234,235,0	0.12	1.16e-03	0.02235,218,235	0.27	235	0.85	0.06	0.94
	6.17e-03	4.72e-03	0.0	234,237,0	0.12	6.82e-04	6.82e-04235,217,217			1.00	0.04	0.96
986	0.06	0.20	0.0	240,237,0	0.23	2.13e-03	0.02235,220,237	0.37	235	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.23	8.64e-03	8.64e-03235,209,209			1.00	0.04	0.96
987	0.07	0.21	0.0	236,233,0	0.23	2.62e-03	0.03235,217,233	0.36	235	0.85	0.06	0.94
	0.03	0.01	0.0	209,212,0	0.22	7.41e-03	7.41e-03235,209,209			1.00	0.04	0.96
988	0.06	0.20	0.0	240,237,0	0.40	1.77e-03	0.02235,209,237	0.49	235	0.85	0.06	0.94
	0.01	3.73e-03	0.0	214,215,0	0.40	5.53e-03	5.53e-03235,209,209			1.00	0.04	0.96
989	0.07	0.21	0.0	236,233,0	0.48	2.33e-03	0.03235,209,233	0.53	235	0.85	0.06	0.94
	9.49e-03	3.54e-03	0.0	221,224,0	0.48	4.58e-03	4.58e-03235,217,217			1.00	0.04	0.96
990	0.03	0.12	0.0	236,233,0	0.40	5.46e-04	0.01235,211,233	0.49	235	0.85	0.06	0.94
	9.42e-03	7.84e-03	0.0	240,237,0	0.40	2.34e-03	2.34e-03235,209,209			1.00	0.04	0.96
991	0.04	0.12	0.0	236,233,0	0.48	8.55e-04	0.01235,211,233	0.53	235	0.85	0.06	0.94
	6.60e-03	6.81e-03	0.0	240,237,0	0.48	1.97e-03	1.97e-03235,217,217			1.00	0.04	0.96
992	0.0	0.06	0.0	0,100,0	0.27	5.46e-04	6.30e-03235,211,100	0.40	235	0.0	0.0	0.0
	9.63e-03	7.87e-03	0.0	240,237,0	0.27	8.41e-04	8.41e-04235,217,217			1.00	0.04	0.96
993	0.0	0.06	0.0	0,100,0	0.27	1.16e-03	6.11e-03235,219,100	0.40	235	0.0	0.0	0.0
	6.60e-03	6.81e-03	0.0	240,237,0	0.27	7.23e-04	7.23e-04235,217,217			1.00	0.04	0.96
994	0.08	0.11	0.0	234,235,0	0.24	9.19e-04	0.01235,213,237	0.38	235	0.85	0.06	0.94
	9.63e-03	7.87e-03	0.0	240,237,0	0.24	8.41e-04	8.41e-04235,217,217			1.00	0.04	0.96
995	0.05	0.08	0.0	234,235,0	0.24	1.95e-03	9.24e-03235,217,237	0.37	235	0.85	0.06	0.94
	6.30e-03	6.39e-03	0.0	240,237,0	0.24	7.23e-04	7.23e-04235,217,217			1.00	0.04	0.96
996	0.08	0.11	0.0	234,235,0	0.10	9.19e-04	0.01235,213,237	0.25	234	0.85	0.06	0.94
	4.21e-03	3.89e-03	0.0	240,237,0	0.10	6.82e-04	6.82e-04234,217,217			1.00	0.04	0.96
997	0.05	0.08	0.0	234,235,0	0.09	1.95e-03	9.24e-03234,217,237	0.23	234	0.85	0.06	0.94
	2.20e-03	3.88e-03	0.0	240,100,0	0.09	6.18e-04	6.18e-04234,217,217			1.00	0.04	0.96
998	0.09	0.22	0.0	236,233,0	0.20	4.26e-03	0.03233,209,233	0.34	233	0.85	0.06	0.94
	0.02	9.13e-03	0.0	209,212,0	0.20	6.53e-03	6.53e-03233,209,209			1.00	0.04	0.96
999	0.09	0.22	0.0	236,233,0	0.20	4.26e-03	0.03233,209,233	0.34	233	0.85	0.06	0.94
	0.01	8.48e-03	0.0	214,215,0	0.20	2.75e-03	2.75e-03233,221,221			1.00	0.04	0.96
1000	0.09	0.22	0.0	236,233,0	0.51	2.33e-03	0.03237,209,233	0.55	237	0.85	0.06	0.94
	7.64e-03	3.40e-03	0.0	221,224,0	0.51	3.16e-03	3.16e-03237,209,209			1.00	0.04	0.96
1001	0.09	0.22	0.0	236,233,0	0.51	1.32e-03	0.03237,211,233	0.55	237	0.85	0.06	0.94
	2.11e-03	3.28e-03	0.0	234,211,0	0.51	7.78e-04	7.78e-04237,209,209			1.00	0.04	0.96
1002	0.04	0.12	0.0	236,233,0	0.51	1.34e-03	0.01237,219,233	0.55	237	0.85	0.06	0.94
	4.94e-03	6.63e-03	0.0	240,237,0	0.51	1.40e-03	1.40e-03237,209,209			1.00	0.04	0.96
1003	0.04	0.12	0.0	236,233,0	0.51	1.34e-03	0.01237,219,233	0.55	237	0.85	0.06	0.94
	4.32e-03	3.52e-03	0.0	240,237,0	0.51	9.87e-04	9.87e-04237,209,209			1.00	0.04	0.96
1004	0.0	0.05	0.0	0,100,0	0.27	1.94e-03	5.92e-03235,219,100	0.40	235	0.0	0.0	0.0
	4.94e-03	6.63e-03	0.0	240,237,0	0.27	9.87e-04	9.87e-04235,209,209			1.00	0.04	0.96
1005	0.0	0.05	0.0	0,100,0	0.26	1.94e-03	5.92e-03235,219,100	0.39	235	0.0	0.0	0.0
	4.32e-03	3.52e-03	0.0	240,237,0	0.26	9.87e-04	9.87e-04235,209,209			1.00	0.04	0.96
1006	0.02	0.05	0.0	234,235,0	0.23	2.98e-03	7.09e-03234,217,215	0.37	234	0.85	0.06	0.94
	3.48e-03	5.54e-03	0.0	240,237,0	0.23	1.17e-03	1.17e-03234,229,229			1.00	0.04	0.96
1007	0.0	0.05	0.0	0,100,0	0.23	2.98e-03	5.88e-03235,217,221	0.37	235	0.0	0.0	0.0
	1.34e-03	4.84e-03	0.0	232,99,0	0.23	1.17e-03	1.17e-03235,229,229			1.00	0.04	0.96
1008	0.02	0.05	0.0	234,235,0	0.08	2.98e-03	7.09e-03234,217,215	0.22	234	0.85	0.06	0.94
	1.44e-04	4.84e-03	0.0	240,99,0	0.08	1.17e-03	1.17e-03234,229,229			1.00	0.04	0.96
1009	0.0	0.04	0.0	0,100,0	0.08	2.98e-03	5.88e-03235,217,221	0.22	235	0.0	0.0	0.0
	0.0	4.84e-03	0.0	0,99,0	0.08	1.17e-03	1.17e-03235,229,229			0.0	0.0	0.0

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.18	0.22	0.0	0.51	0.03	0.04	0.55

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
31	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.74	-64.2	180	0.69	-59.6	180	0.77	1.245e+04	-1.703e+06	214

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
914	0.07	0.11	0.0	224,221,0	0.13	7.14e-04	0.01212,234,221		0.28	212	0.85	0.06	0.94
	3.01e-03	4.32e-03	0.0	214,100,0	0.13	1.19e-03	1.19e-03212,234,234				1.00	0.04	0.96
915	0.07	0.11	0.0	224,221,0	0.13	7.14e-04	0.01212,234,221		0.28	212	0.85	0.06	0.94
	0.0	4.32e-03	0.0	0,100,0	0.13	2.03e-04	2.03e-04212,216,216				0.0	0.0	0.0
916	0.05	0.10	0.0	224,221,0	0.13	3.93e-04	0.01212,228,221		0.28	212	0.85	0.06	0.94

	3.02e-03	4.17e-03	0.0	214,215,0	0.13	1.21e-03	1.21e-03	212,234,234			1.00	0.04	0.96
917	0.03	0.10	0.0	224,221,0	0.13	4.95e-04	0.01	212,228,221	0.28	212	0.85	0.06	0.94
	3.02e-03	3.47e-03	0.0	214,215,0	0.13	1.21e-03	1.21e-03	212,234,234			1.00	0.04	0.96
938	0.01	0.10	0.0	224,100,0	0.13	4.95e-04	0.01	215,228,100	0.28	215	0.85	0.06	0.94
	2.38e-03	3.15e-03	0.0	214,100,0	0.13	1.20e-03	1.20e-03	215,234,234			1.00	0.04	0.96
939	0.0	0.11	0.0	0,100,0	0.14	4.01e-04	0.01	215,228,100	0.29	215	0.0	0.0	0.0
	5.73e-04	7.80e-03	0.0	217,100,0	0.14	1.09e-03	1.09e-03	215,235,235			1.00	0.04	0.96
960	0.0	0.19	0.0	0,100,0	0.20	7.79e-04	0.02	211,227,100	0.35	211	0.0	0.0	0.0
	0.0	8.77e-03	0.0	0,100,0	0.20	7.07e-04	7.07e-04	211,235,235			0.0	0.0	0.0
961	0.0	0.19	0.0	0,100,0	0.20	8.50e-04	0.02	211,236,100	0.35	211	0.0	0.0	0.0
	3.90e-03	8.77e-03	0.0	210,100,0	0.20	1.69e-03	1.69e-03	211,227,227			1.00	0.04	0.96
1154	0.07	0.11	0.0	224,100,0	0.16	8.18e-04	0.01	212,233,100	0.31	212	0.85	0.06	0.94
	7.11e-03	5.15e-03	0.0	214,215,0	0.16	1.19e-03	1.19e-03	212,234,234			1.00	0.04	0.96
1155	0.07	0.11	0.0	224,100,0	0.14	8.18e-04	0.01	212,233,100	0.29	212	0.85	0.06	0.94
	3.43e-03	4.32e-03	0.0	214,100,0	0.14	4.31e-04	4.31e-04	212,234,234			1.00	0.04	0.96
1156	0.05	0.10	0.0	224,221,0	0.17	5.81e-04	0.01	212,233,221	0.32	212	0.85	0.06	0.94
	7.11e-03	5.15e-03	0.0	214,215,0	0.17	1.21e-03	1.21e-03	212,234,234			1.00	0.04	0.96
1157	0.03	0.10	0.0	224,221,0	0.18	4.97e-04	0.01	212,236,221	0.32	212	0.85	0.06	0.94
	6.06e-03	4.59e-03	0.0	214,215,0	0.18	1.21e-03	1.21e-03	212,234,234			1.00	0.04	0.96
1158	0.06	0.12	0.0	210,211,0	0.16	1.37e-03	0.01	212,233,211	0.31	212	0.85	0.06	0.94
	0.01	7.58e-03	0.0	214,215,0	0.16	5.79e-04	5.79e-04	212,234,234			1.00	0.04	0.96
1159	0.06	0.12	0.0	210,211,0	0.14	1.37e-03	0.01	212,233,211	0.29	212	0.85	0.06	0.94
	5.88e-03	4.86e-03	0.0	214,215,0	0.14	5.79e-04	5.79e-04	212,234,234			1.00	0.04	0.96
1160	0.06	0.12	0.0	210,211,0	0.17	1.11e-03	0.01	212,233,215	0.32	212	0.85	0.06	0.94
	0.01	7.58e-03	0.0	214,215,0	0.17	4.85e-04	4.85e-04	212,234,234			1.00	0.04	0.96
1161	0.06	0.12	0.0	210,211,0	0.18	7.81e-04	0.01	212,233,215	0.32	212	0.85	0.06	0.94
	6.94e-03	5.36e-03	0.0	214,215,0	0.18	4.85e-04	4.85e-04	212,234,234			1.00	0.04	0.96
1162	0.29	0.33	0.0	214,215,0	0.15	2.05e-03	0.04	212,234,215	0.30	212	0.85	0.06	0.94
	0.01	7.58e-03	0.0	214,215,0	0.15	5.79e-04	5.79e-04	212,234,234			1.00	0.04	0.96
1163	0.29	0.33	0.0	214,215,0	0.14	2.05e-03	0.04	212,234,215	0.28	212	0.85	0.06	0.94
	5.88e-03	4.86e-03	0.0	214,215,0	0.14	5.79e-04	5.79e-04	212,234,234			1.00	0.04	0.96
1164	0.25	0.29	0.0	214,215,0	0.15	1.64e-03	0.04	212,234,215	0.30	212	0.85	0.06	0.94
	0.01	7.58e-03	0.0	214,215,0	0.15	4.85e-04	4.85e-04	212,234,234			1.00	0.04	0.96
1165	0.22	0.26	0.0	214,215,0	0.15	1.03e-03	0.03	212,234,215	0.30	212	0.85	0.06	0.94
	6.94e-03	5.36e-03	0.0	214,215,0	0.15	4.85e-04	4.85e-04	212,234,234			1.00	0.04	0.96
1166	0.29	0.33	0.0	214,215,0	0.11	2.05e-03	0.04	212,234,215	0.25	212	0.85	0.06	0.94
	5.72e-03	4.21e-03	0.0	214,215,0	0.11	5.24e-04	5.24e-04	212,226,226			1.00	0.04	0.96
1167	0.29	0.33	0.0	214,215,0	0.11	2.05e-03	0.04	212,234,215	0.25	212	0.85	0.06	0.94
	3.53e-03	2.90e-03	0.0	209,215,0	0.11	5.24e-04	5.24e-04	212,226,226			1.00	0.04	0.96
1168	0.25	0.29	0.0	214,215,0	0.08	1.64e-03	0.04	212,234,215	0.22	212	0.85	0.06	0.94
	5.72e-03	4.21e-03	0.0	214,215,0	0.08	3.85e-04	3.85e-04	212,234,234			1.00	0.04	0.96
1169	0.22	0.26	0.0	214,215,0	0.06	1.03e-03	0.03	212,234,215	0.19	212	0.85	0.06	0.94
	3.39e-03	2.60e-03	0.0	214,215,0	0.06	3.85e-04	3.85e-04	212,234,234			1.00	0.04	0.96
1170	0.01	0.10	0.0	224,100,0	0.18	4.95e-04	0.01	212,228,100	0.32	212	0.85	0.06	0.94
	4.49e-03	4.11e-03	0.0	214,215,0	0.18	1.20e-03	1.20e-03	212,234,234			1.00	0.04	0.96
1171	0.0	0.11	0.0	0,100,0	0.18	6.68e-04	0.01	212,233,100	0.32	212	0.0	0.0	0.0
	1.70e-03	7.80e-03	0.0	214,100,0	0.18	1.09e-03	1.09e-03	212,235,235			1.00	0.04	0.96
1172	0.06	0.12	0.0	210,211,0	0.18	4.17e-04	0.01	212,234,211	0.32	212	0.85	0.06	0.94
	4.69e-03	4.21e-03	0.0	214,215,0	0.18	4.56e-04	4.56e-04	212,234,234			1.00	0.04	0.96
1173	0.06	0.11	0.0	210,211,0	0.18	1.12e-03	0.01	212,235,211	0.32	212	0.85	0.06	0.94
	1.99e-03	6.85e-03	0.0	214,100,0	0.18	4.25e-04	4.25e-04	212,235,235			1.00	0.04	0.96
1174	0.18	0.22	0.0	214,215,0	0.15	8.68e-04	0.03	212,238,215	0.30	212	0.85	0.06	0.94
	4.69e-03	4.21e-03	0.0	214,215,0	0.15	4.56e-04	4.56e-04	212,234,234			1.00	0.04	0.96
1175	0.15	0.19	0.0	214,215,0	0.15	1.84e-03	0.02	212,233,215	0.30	212	0.85	0.06	0.94
	1.99e-03	5.78e-03	0.0	214,100,0	0.15	4.25e-04	4.25e-04	212,235,235			1.00	0.04	0.96
1176	0.18	0.22	0.0	214,215,0	0.05	8.68e-04	0.03	212,238,215	0.17	212	0.85	0.06	0.94
	2.06e-03	1.93e-03	0.0	214,215,0	0.05	3.83e-04	3.83e-04	212,234,234			1.00	0.04	0.96
1177	0.15	0.19	0.0	214,215,0	0.04	1.84e-03	0.02	220,233,215	0.16	220	0.85	0.06	0.94
	3.78e-04	4.16e-03	0.0	214,100,0	0.04	3.24e-04	3.24e-04	220,235,235			1.00	0.04	0.96
1178	0.0	0.19	0.0	0,100,0	0.20	1.27e-03	0.02	211,234,100	0.35	211	0.0	0.0	0.0
	3.90e-03	8.77e-03	0.0	210,100,0	0.20	1.69e-03	1.69e-03	211,227,227			1.00	0.04	0.96
1179	0.0	0.10	0.0	0,100,0	0.17	1.27e-03	0.01	212,234,100	0.32	212	0.0	0.0	0.0
	3.90e-03	8.51e-03	0.0	210,100,0	0.17	1.69e-03	1.69e-03	212,227,227			1.00	0.04	0.96
1180	0.05	0.11	0.0	210,211,0	0.18	1.97e-03	0.01	212,233,211	0.32	212	0.85	0.06	0.94
	0.0	8.51e-03	0.0	0,100,0	0.18	6.91e-04	6.91e-04	212,225,225			0.0	0.0	0.0
1181	0.05	0.10	0.0	214,215,0	0.17	1.97e-03	0.01	212,233,215	0.32	212	0.85	0.06	0.94
	0.0	8.51e-03	0.0	0,100,0	0.17	6.91e-04	6.91e-04	212,225,225			0.0	0.0	0.0
1182	0.12	0.16	0.0	214,215,0	0.14	3.04e-03	0.02	212,233,215	0.29	212	0.85	0.06	0.94
	0.0	7.68e-03	0.0	0,100,0	0.14	6.91e-04	6.91e-04	212,225,225			0.0	0.0	0.0
1183	0.09	0.14	0.0	214,215,0	0.14	3.04e-03	0.02	212,233,212	0.28	212	0.85	0.06	0.94
	0.0	7.68e-03	0.0	0,100,0	0.14	6.91e-04	6.91e-04	212,225,225			0.0	0.0	0.0
1184	0.12	0.16	0.0	214,215,0	0.04	3.04e-03	0.02	217,233,215	0.16	217	0.85	0.06	0.94
	0.0	7.68e-03	0.0	0,100,0	0.04	6.38e-04	6.38e-04	217,225,225			0.0	0.0	0.0
1185	0.09	0.14	0.0	214,215,0	0.04	3.04e-03	0.02	217,233,212	0.16	217	0.85	0.06	0.94
	0.0	7.68e-03	0.0	0,100,0	0.04	6.38e-04	6.38e-04	217,225,225			0.0	0.0	0.0

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.29	0.33	0.0	0.20	3.04e-03	0.04	0.35

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
32	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.86	151.8	202	0.86	150.5	202	0.73	-6719.2	-5.972e+06	237

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1	0.23	0.22	0.0	237,240,0	0.17	0.01	0.04	234,212,224	0.32	234	0.85	0.06	0.94
	2.88e-03	3.93e-03	0.0	221,224,0	0.17	1.46e-03	1.46e-03	234,214,214			1.00	0.04	0.96
2	0.23	0.22	0.0	237,240,0	0.17	0.02	0.05	234,212,212	0.32	234	0.85	0.06	0.94
	0.02	0.01	0.0	209,212,0	0.17	0.01	0.01	234,212,212			1.00	0.04	0.96
5	0.21	0.21	0.0	237,240,0	0.16	0.02	0.05	234,212,212	0.31	234	0.85	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.16	0.03	0.03	234,212,212			1.00	0.04	0.96
7	0.19	0.20	0.0	237,240,0	0.15	0.04	0.07	234,212,212	0.30	234	0.85	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.15	0.03	0.03	234,212,212			1.00	0.04	0.96
13	0.16	0.17	0.0	237,240,0	0.14	0.04	0.07	234,212,212	0.29	234	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.14	0.02	0.02	234,212,212			1.00	0.04	0.96
15	0.13	0.14	0.0	237,240,0	0.14	0.04	0.05	234,209,212	0.29	234	0.85	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.14	0.03	0.03	234,212,212			1.00	0.04	0.96
19	0.11	0.12	0.0	237,240,0	0.13	0.03	0.04	234,209,212	0.28	234	0.85	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.13	0.03	0.03	234,212,212			1.00	0.04	0.96
21	0.09	0.10	0.0	237,240,0	0.13	7.72e-03	0.02	234,212,228	0.28	234	0.85	0.06	0.94
	0.01	9.06e-03	0.0	68,70,0	0.13	8.96e-03	8.96e-03	234,211,211			1.00	0.04	0.96
1010	0.23	0.22	0.0	237,240,0	0.19	0.02	0.05	234,212,212	0.34	234	0.85	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.19	0.01	0.01	234,212,212			1.00	0.04	0.96
1011	0.23	0.22	0.0	237,240,0	0.19	0.01	0.04	234,212,224	0.33	234	0.85	0.06	0.94
	0.01	8.85e-03	0.0	209,212,0	0.19	1.46e-03	1.46e-03	234,214,214			1.00	0.04	0.96
1012	0.21	0.21	0.0	237,240,0	0.19	0.02	0.05	234,212,212	0.34	234	0.85	0.06	0.94
	0.06	0.04	0.0	209,212,0	0.19	0.03	0.03	234,212,212			1.00	0.04	0.96
1013	0.19	0.20	0.0	237,240,0	0.19	0.04	0.07	234,212,212	0.34	234	0.85	0.06	0.94
	0.06	0.04	0.0	209,212,0	0.19	0.03	0.03	234,212,212			1.00	0.04	0.96
1014	0.05	0.11	0.0	237,240,0	0.20	4.05e-03	0.01	234,212,220	0.34	234	0.85	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.20	4.91e-03	4.91e-03	234,212,212			1.00	0.04	0.96
1015	0.05	0.10	0.0	237,240,0	0.19	4.05e-03	0.01	234,212,232	0.33	234	0.85	0.06	0.94
	0.01	0.01	0.0	209,212,0	0.19	2.24e-03	2.24e-03	234,212,212			1.00	0.04	0.96
1016	0.06	0.11	0.0	237,240,0	0.20	4.05e-03	0.02	234,212,220	0.35	234	0.85	0.06	0.94
	0.06	0.04	0.0	209,212,0	0.20	8.17e-03	8.17e-03	234,212,212			1.00	0.04	0.96
1017	0.06	0.11	0.0	237,240,0	0.20	4.05e-03	0.02	234,212,220	0.35	234	0.85	0.06	0.94
	0.06	0.04	0.0	209,212,0	0.20	8.17e-03	8.17e-03	234,212,212			1.00	0.04	0.96
1018	6.07e-03	0.08	0.0	237,100,0	0.20	3.00e-03	9.62e-03	234,212,212	0.34	234	0.85	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.20	4.91e-03	4.91e-03	234,212,212			1.00	0.04	0.96
1019	6.07e-03	0.08	0.0	237,100,0	0.19	3.00e-03	9.60e-03	234,212,224	0.34	234	0.85	0.06	0.94
	0.01	0.01	0.0	209,212,0	0.19	2.24e-03	2.24e-03	234,212,212			1.00	0.04	0.96
1020	5.88e-03	0.08	0.0	237,100,0	0.21	2.01e-03	9.62e-03	234,212,212	0.35	234	0.85	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.21	8.17e-03	8.17e-03	234,212,212			1.00	0.04	0.96
1021	4.74e-03	0.08	0.0	237,100,0	0.21	1.92e-03	9.38e-03	234,209,216	0.35	234	0.85	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.21	8.17e-03	8.17e-03	234,212,212			1.00	0.04	0.96
1022	0.0	0.09	0.0	0,100,0	0.20	3.00e-03	9.85e-03	234,212,212	0.34	234	0.0	0.0	0.0
	0.02	0.01	0.0	209,212,0	0.20	4.33e-03	4.33e-03	234,212,212			1.00	0.04	0.96
1023	0.0	0.09	0.0	0,100,0	0.19	3.00e-03	9.85e-03	234,212,212	0.34	234	0.0	0.0	0.0
	7.96e-03	6.14e-03	0.0	209,212,0	0.19	2.09e-03	2.09e-03	234,212,212			1.00	0.04	0.96
1024	0.0	0.09	0.0	0,100,0	0.21	2.01e-03	9.83e-03	234,212,212	0.35	234	0.0	0.0	0.0
	0.02	0.01	0.0	209,212,0	0.21	4.33e-03	4.33e-03	234,212,212			1.00	0.04	0.96
1025	0.0	0.09	0.0	0,100,0	0.21	1.61e-03	9.43e-03	234,212,100	0.35	234	0.0	0.0	0.0
	0.02	0.01	0.0	209,212,0	0.21	4.12e-03	4.12e-03	234,212,212			1.00	0.04	0.96
1026	0.0	0.11	0.0	0,100,0	0.21	2.88e-03	0.01	234,212,215	0.35	234	0.0	0.0	0.0
	9.33e-03	7.61e-03	0.0	214,215,0	0.21	1.85e-03	1.85e-03	234,212,212			1.00	0.04	0.96
1027	0.0	0.11	0.0	0,100,0	0.19	2.88e-03	0.01	234,212,100	0.33	234	0.0	0.0	0.0
	5.78e-03	4.41e-03	0.0	234,235,0	0.19	9.82e-04	9.82e-04	234,211,211			1.00	0.04	0.96
1028	0.0	0.11	0.0	0,100,0	0.21	1.91e-03	0.01	234,212,215	0.35	234	0.0	0.0	0.0
	9.33e-03	7.67e-03	0.0	214,212,0	0.21	1.85e-03	1.85e-03	234,212,212			1.00	0.04	0.96
1029	0.0	0.11	0.0	0,100,0	0.22	1.08e-03	0.01	234,213,215	0.36	234	0.0	0.0	0.0
	8.49e-03	8.09e-03	0.0	209,212,0	0.22	1.80e-03	1.80e-03	234,212,212			1.00	0.04	0.96
1030	0.13	0.25	0.0	234,235,0	0.21	2.44e-03	0.03	234,212,235	0.35	234	0.85	0.06	0.94

	8.67e-03	6.90e-03	0.0	234,235,0	0.21	5.51e-04	5.51e-04	234,212,212			1.00	0.04	0.96
1031	0.13	0.25	0.0	234,235,0	0.19	2.44e-03	0.03	234,212,235	0.33	234	0.85	0.06	0.94
	5.78e-03	4.41e-03	0.0	234,235,0	0.19	4.26e-04	4.26e-04	234,225,225			1.00	0.04	0.96
1032	0.09	0.21	0.0	234,235,0	0.21	1.91e-03	0.02	234,212,235	0.35	234	0.85	0.06	0.94
	8.67e-03	6.90e-03	0.0	234,235,0	0.21	7.55e-04	7.55e-04	234,212,212			1.00	0.04	0.96
1033	0.04	0.17	0.0	234,235,0	0.22	1.19e-03	0.02	234,212,215	0.36	234	0.85	0.06	0.94
	5.44e-03	5.42e-03	0.0	214,215,0	0.22	1.03e-03	1.03e-03	234,212,212			1.00	0.04	0.96
1034	0.13	0.25	0.0	234,235,0	0.16	2.00e-03	0.03	234,212,235	0.30	234	0.85	0.06	0.94
	5.52e-03	4.16e-03	0.0	234,235,0	0.16	4.26e-04	4.26e-04	234,225,225			1.00	0.04	0.96
1035	0.13	0.25	0.0	234,235,0	0.16	2.00e-03	0.03	234,212,235	0.30	234	0.85	0.06	0.94
	3.95e-03	2.74e-03	0.0	234,235,0	0.16	4.26e-04	4.26e-04	234,225,225			1.00	0.04	0.96
1036	0.09	0.21	0.0	234,235,0	0.13	1.73e-03	0.02	234,212,235	0.28	234	0.85	0.06	0.94
	5.52e-03	4.16e-03	0.0	234,235,0	0.13	2.64e-04	2.64e-04	234,213,213			1.00	0.04	0.96
1037	0.04	0.17	0.0	234,235,0	0.11	1.19e-03	0.02	234,212,215	0.26	234	0.85	0.06	0.94
	2.03e-03	2.37e-03	0.0	214,215,0	0.11	4.25e-04	4.25e-04	234,212,212			1.00	0.04	0.96
1038	0.16	0.17	0.0	237,240,0	0.19	0.04	0.07	234,212,212	0.34	234	0.85	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.19	0.02	0.02	234,212,212			1.00	0.04	0.96
1039	0.13	0.14	0.0	237,240,0	0.19	0.04	0.05	234,209,212	0.33	234	0.85	0.06	0.94
	0.04	0.03	0.0	212,209,0	0.19	0.03	0.03	234,212,212			1.00	0.04	0.96
1040	0.05	0.10	0.0	237,240,0	0.20	3.71e-03	0.01	234,212,224	0.35	234	0.85	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.20	0.01	0.01	234,209,209			1.00	0.04	0.96
1041	0.05	0.10	0.0	237,240,0	0.20	5.22e-03	0.02	234,212,212	0.35	234	0.85	0.06	0.94
	0.04	0.03	0.0	212,209,0	0.20	0.01	0.01	234,209,209			1.00	0.04	0.96
1042	4.06e-03	0.08	0.0	237,100,0	0.21	2.11e-03	9.38e-03	234,212,216	0.35	234	0.85	0.06	0.94
	0.02	0.02	0.0	209,212,0	0.21	4.65e-03	4.65e-03	234,212,212			1.00	0.04	0.96
1043	3.26e-03	0.08	0.0	237,100,0	0.21	2.11e-03	8.97e-03	234,212,216	0.35	234	0.85	0.06	0.94
	0.01	0.01	0.0	209,212,0	0.21	0.01	0.01	234,212,212			1.00	0.04	0.96
1044	0.0	0.09	0.0	0,100,0	0.21	2.11e-03	9.34e-03	234,212,100	0.35	234	0.0	0.0	0.0
	0.01	0.01	0.0	209,212,0	0.21	1.86e-03	1.86e-03	234,212,212			1.00	0.04	0.96
1045	0.0	0.09	0.0	0,100,0	0.21	2.11e-03	9.24e-03	234,212,100	0.35	234	0.0	0.0	0.0
	6.67e-03	9.62e-03	0.0	209,216,0	0.21	2.96e-03	2.96e-03	234,212,212			1.00	0.04	0.96
1046	0.0	0.10	0.0	0,100,0	0.22	1.22e-03	0.01	234,212,215	0.36	234	0.0	0.0	0.0
	7.45e-03	8.95e-03	0.0	209,212,0	0.22	1.35e-03	1.35e-03	234,212,212			1.00	0.04	0.96
1047	0.0	0.10	0.0	0,100,0	0.21	1.98e-03	0.01	234,212,215	0.36	234	0.0	0.0	0.0
	5.50e-03	0.01	0.0	209,236,0	0.21	1.24e-03	1.24e-03	234,209,209			1.00	0.04	0.96
1048	3.02e-03	0.14	0.0	234,100,0	0.22	8.99e-04	0.02	234,209,215	0.36	234	0.85	0.06	0.94
	3.20e-03	6.58e-03	0.0	209,224,0	0.22	1.24e-03	1.24e-03	234,209,209			1.00	0.04	0.96
1049	0.0	0.14	0.0	0,100,0	0.21	2.25e-03	0.02	234,209,100	0.36	234	0.0	0.0	0.0
	1.62e-03	0.01	0.0	221,100,0	0.21	1.24e-03	1.24e-03	234,209,209			1.00	0.04	0.96
1050	3.02e-03	0.14	0.0	234,100,0	0.11	8.99e-04	0.02	234,209,215	0.26	234	0.85	0.06	0.94
	0.0	5.12e-03	0.0	0,100,0	0.11	5.43e-04	5.43e-04	234,212,212			0.0	0.0	0.0
1051	0.0	0.14	0.0	0,100,0	0.13	2.25e-03	0.02	234,209,100	0.28	234	0.0	0.0	0.0
	0.0	0.01	0.0	0,100,0	0.13	5.43e-04	5.43e-04	234,212,212			0.0	0.0	0.0
1052	0.11	0.12	0.0	237,240,0	0.18	0.03	0.04	235,209,212	0.33	235	0.85	0.06	0.94
	0.04	0.03	0.0	212,209,0	0.18	0.03	0.03	235,212,212			1.00	0.04	0.96
1053	0.09	0.10	0.0	237,240,0	0.18	0.01	0.02	234,212,212	0.32	234	0.85	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.18	8.96e-03	8.96e-03	234,211,211			1.00	0.04	0.96
1054	0.05	0.10	0.0	237,240,0	0.20	0.01	0.02	235,212,212	0.34	235	0.85	0.06	0.94
	0.04	0.03	0.0	212,209,0	0.20	0.01	0.01	235,212,212			1.00	0.04	0.96
1055	0.05	0.10	0.0	237,240,0	0.20	0.01	0.02	234,212,212	0.34	234	0.85	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.20	5.49e-03	5.49e-03	234,212,212			1.00	0.04	0.96
1056	2.02e-03	0.08	0.0	237,100,0	0.21	1.84e-03	8.00e-03	234,210,100	0.35	234	0.85	0.06	0.94
	0.01	0.01	0.0	209,212,0	0.21	0.01	0.01	234,212,212			1.00	0.04	0.96
1057	8.56e-04	0.08	0.0	237,100,0	0.20	1.84e-03	7.96e-03	234,210,100	0.35	234	0.85	0.06	0.94
	8.21e-03	9.41e-03	0.0	209,212,0	0.20	5.49e-03	5.49e-03	234,212,212			1.00	0.04	0.96
1058	0.0	0.09	0.0	0,100,0	0.21	2.37e-03	9.15e-03	234,209,100	0.35	234	0.0	0.0	0.0
	2.24e-03	9.62e-03	0.0	221,216,0	0.21	2.96e-03	2.96e-03	234,212,212			1.00	0.04	0.96
1059	0.0	0.09	0.0	0,100,0	0.20	2.37e-03	9.13e-03	234,209,100	0.35	234	0.0	0.0	0.0
	2.78e-04	6.03e-03	0.0	237,100,0	0.20	9.35e-04	9.35e-04	234,219,219			1.00	0.04	0.96
1060	0.0	0.10	0.0	0,100,0	0.21	2.90e-03	0.01	234,212,215	0.35	234	0.0	0.0	0.0
	2.24e-03	0.01	0.0	221,236,0	0.21	9.71e-04	9.71e-04	234,213,213			1.00	0.04	0.96
1061	0.0	0.10	0.0	0,100,0	0.20	2.90e-03	0.01	234,212,215	0.35	234	0.0	0.0	0.0
	2.78e-04	9.18e-03	0.0	237,100,0	0.20	8.86e-04	8.86e-04	234,209,209			1.00	0.04	0.96
1062	0.0	0.14	0.0	0,100,0	0.21	3.57e-03	0.02	234,209,216	0.35	234	0.0	0.0	0.0
	1.28e-03	0.02	0.0	237,100,0	0.21	1.55e-03	1.55e-03	234,209,209			1.00	0.04	0.96
1063	0.0	0.14	0.0	0,100,0	0.19	3.57e-03	0.02	234,209,216	0.34	234	0.0	0.0	0.0
	0.0	0.02	0.0	0,100,0	0.19	1.55e-03	1.55e-03	234,209,209			0.0	0.0	0.0
1064	0.0	0.14	0.0	0,100,0	0.15	3.57e-03	0.02	234,209,216	0.30	234	0.0	0.0	0.0
	0.0	0.02	0.0	0,100,0	0.15	1.55e-03	1.55e-03	234,209,209			0.0	0.0	0.0
1065	0.0	0.14	0.0	0,100,0	0.15	3.57e-03	0.02	234,209,216	0.30	234	0.0	0.0	0.0
	0.0	0.02	0.0	0,100,0	0.15	1.55e-03	1.55e-03	234,209,209			0.0	0.0	0.0

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.23	0.25	0.0	0.22	0.04	0.07	0.36

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
33	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.90	-136.3	203	0.90	-136.2	203	0.57	8281.7	2.656e+06	234

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1066	0.09	0.20	0.0	221,224,0	0.21	8.18e-03	0.03235	220,220	0.35	235	0.85	0.06	0.94
	4.01e-03	5.03e-03	0.0	221,224,0	0.21	1.48e-03	1.48e-03235	228,228			1.00	0.04	0.96
1067	0.09	0.20	0.0	221,224,0	0.21	8.18e-03	0.03235	220,220	0.35	235	0.85	0.06	0.94
	8.55e-03	7.88e-03	0.0	217,220,0	0.21	6.09e-03	6.09e-03235	220,220			1.00	0.04	0.96
1068	0.09	0.20	0.0	221,224,0	0.23	8.18e-03	0.03235	220,220	0.37	235	0.85	0.06	0.94
	0.02	0.02	0.0	209,212,0	0.23	6.09e-03	6.09e-03235	220,220			1.00	0.04	0.96
1069	0.09	0.20	0.0	221,224,0	0.21	8.18e-03	0.03235	220,220	0.36	235	0.85	0.06	0.94
	8.10e-03	8.42e-03	0.0	217,220,0	0.21	1.69e-03	1.69e-03235	224,224			1.00	0.04	0.96
1070	0.08	0.18	0.0	217,220,0	0.22	2.74e-03	0.03235	215,220	0.36	235	0.85	0.06	0.94
	8.55e-03	7.88e-03	0.0	217,220,0	0.22	6.09e-03	6.09e-03235	220,220			1.00	0.04	0.96
1071	0.08	0.18	0.0	217,220,0	0.24	2.74e-03	0.03235	215,220	0.38	235	0.85	0.06	0.94
	0.02	0.02	0.0	209,215,0	0.24	6.09e-03	6.09e-03235	220,220			1.00	0.04	0.96
1072	0.07	0.16	0.0	214,212,0	0.24	2.33e-03	0.02235	221,212	0.38	235	0.85	0.06	0.94
	7.15e-03	7.82e-03	0.0	209,215,0	0.24	5.10e-03	5.10e-03235	220,220			1.00	0.04	0.96
1073	0.07	0.16	0.0	214,212,0	0.25	2.33e-03	0.02235	221,212	0.39	235	0.85	0.06	0.94
	0.02	0.02	0.0	214,215,0	0.25	5.10e-03	5.10e-03235	220,220			1.00	0.04	0.96
1074	5.93e-03	0.07	0.0	214,100,0	0.23	1.45e-03	8.44e-03235	220,215	0.37	235	0.85	0.06	0.94
	0.02	0.02	0.0	209,212,0	0.23	1.69e-03	1.69e-03235	224,224			1.00	0.04	0.96
1075	5.57e-03	0.07	0.0	214,100,0	0.21	1.45e-03	8.44e-03235	220,215	0.36	235	0.85	0.06	0.94
	8.10e-03	8.42e-03	0.0	217,220,0	0.21	1.69e-03	1.69e-03235	224,224			1.00	0.04	0.96
1076	5.93e-03	0.07	0.0	214,100,0	0.24	9.46e-04	8.32e-03235	218,215	0.38	235	0.85	0.06	0.94
	0.02	0.02	0.0	214,215,0	0.24	1.23e-03	1.23e-03235	215,215			1.00	0.04	0.96
1077	4.19e-03	0.07	0.0	214,100,0	0.25	6.35e-04	7.94e-03235	213,100	0.39	235	0.85	0.06	0.94
	0.02	0.02	0.0	214,215,0	0.25	1.59e-03	1.59e-03235	212,212			1.00	0.04	0.96
1078	0.0	0.04	0.0	0,100,0	0.22	1.51e-03	4.32e-03235	217,100	0.36	235	0.0	0.0	0.0
	0.01	0.01	0.0	214,215,0	0.22	1.52e-03	1.52e-03235	219,219			1.00	0.04	0.96
1079	0.0	0.04	0.0	0,100,0	0.21	1.51e-03	4.31e-03235	217,100	0.35	235	0.0	0.0	0.0
	6.30e-03	6.86e-03	0.0	214,215,0	0.21	1.52e-03	1.52e-03235	219,219			1.00	0.04	0.96
1080	0.0	0.04	0.0	0,100,0	0.22	1.16e-03	4.32e-03235	218,100	0.36	235	0.0	0.0	0.0
	0.02	0.02	0.0	214,215,0	0.22	1.64e-03	1.64e-03235	220,220			1.00	0.04	0.96
1081	0.0	0.04	0.0	0,100,0	0.23	6.85e-04	4.17e-03235	218,100	0.37	235	0.0	0.0	0.0
	0.02	0.02	0.0	214,215,0	0.23	1.64e-03	1.64e-03235	220,220			1.00	0.04	0.96
1082	0.0	0.03	0.0	0,100,0	0.21	1.94e-03	4.08e-03235	220,221	0.36	235	0.0	0.0	0.0
	0.01	0.01	0.0	214,215,0	0.21	1.22e-03	1.22e-03235	212,212			1.00	0.04	0.96
1083	0.0	0.03	0.0	0,100,0	0.20	1.94e-03	3.60e-03235	220,221	0.35	235	0.0	0.0	0.0
	6.84e-03	5.81e-03	0.0	234,215,0	0.20	1.10e-03	1.10e-03235	219,219			1.00	0.04	0.96
1084	5.40e-03	0.03	0.0	234,100,0	0.22	1.52e-03	4.37e-03235	220,215	0.36	235	0.85	0.06	0.94
	0.01	0.01	0.0	214,215,0	0.22	1.64e-03	1.64e-03235	220,220			1.00	0.04	0.96
1085	9.19e-03	0.03	0.0	234,235,0	0.22	9.73e-04	4.37e-03235	223,215	0.36	235	0.85	0.06	0.94
	0.01	0.01	0.0	214,215,0	0.22	1.64e-03	1.64e-03235	220,220			1.00	0.04	0.96
1086	0.18	0.17	0.0	234,235,0	0.21	2.42e-03	0.02235	219,235	0.36	235	0.85	0.06	0.94
	0.01	0.01	0.0	234,235,0	0.21	1.01e-03	1.01e-03235	212,212			1.00	0.04	0.96
1087	0.18	0.17	0.0	234,235,0	0.20	2.42e-03	0.02235	219,235	0.35	235	0.85	0.06	0.94
	6.84e-03	5.76e-03	0.0	234,235,0	0.20	8.32e-04	8.32e-04235	219,219			1.00	0.04	0.96
1088	0.15	0.14	0.0	234,235,0	0.22	2.00e-03	0.02235	219,235	0.36	235	0.85	0.06	0.94
	0.01	0.01	0.0	234,235,0	0.22	1.45e-03	1.45e-03235	212,212			1.00	0.04	0.96
1089	0.12	0.12	0.0	234,235,0	0.22	1.30e-03	0.01235	223,235	0.36	235	0.85	0.06	0.94
	0.01	9.88e-03	0.0	214,215,0	0.22	1.54e-03	1.54e-03235	215,215			1.00	0.04	0.96
1090	0.18	0.17	0.0	234,235,0	0.17	2.42e-03	0.02235	219,235	0.32	235	0.85	0.06	0.94
	6.87e-03	5.40e-03	0.0	234,235,0	0.17	5.89e-04	5.89e-04235	219,219			1.00	0.04	0.96
1091	0.18	0.17	0.0	234,235,0	0.17	2.42e-03	0.02235	219,235	0.32	235	0.85	0.06	0.94
	4.00e-03	3.28e-03	0.0	234,235,0	0.17	5.89e-04	5.89e-04235	219,219			1.00	0.04	0.96
1092	0.15	0.14	0.0	234,235,0	0.15	2.00e-03	0.02235	219,235	0.29	235	0.85	0.06	0.94
	6.87e-03	5.40e-03	0.0	234,235,0	0.15	7.03e-04	7.03e-04235	215,215			1.00	0.04	0.96
1093	0.12	0.12	0.0	234,235,0	0.12	1.30e-03	0.01235	223,235	0.27	235	0.85	0.06	0.94
	4.75e-03	4.02e-03	0.0	234,235,0	0.12	8.07e-04	8.07e-04235	212,212			1.00	0.04	0.96
1094	0.07	0.16	0.0	214,215,0	0.28	2.97e-03	0.02235	212,215	0.41	235	0.85	0.06	0.94
	5.09e-03	0.01	0.0	214,215,0	0.28	4.67e-03	4.67e-03235	212,212			1.00	0.04	0.96
1095	0.07	0.16	0.0	214,215,0	0.28	2.97e-03	0.02235	212,215	0.41	235	0.85	0.06	0.94
	0.01	0.02	0.0	214,215,0	0.28	4.67e-03	4.67e-03235	212,212			1.00	0.04	0.96
1096	0.07	0.15	0.0	214,215,0	0.33	5.41e-03	0.02235	215,215	0.44	235	0.85	0.06	0.94
	3.00e-03	0.01	0.0	234,215,0	0.33	5.00e-03	5.00e-03235	216,216			1.00	0.04	0.96

1097	0.07	0.15	0.0	214,215,0	0.33	5.41e-03	0.02235,215,215	0.44	235	0.85	0.06	0.94
	9.84e-03	0.02	0.0	214,215,0	0.33	5.00e-03	5.00e-03235,216,216			1.00	0.04	0.96
1098	1.23e-03	0.07	0.0	209,100,0	0.26	5.79e-04	7.96e-03235,220,100	0.39	235	0.85	0.06	0.94
	0.01	0.02	0.0	214,215,0	0.26	1.59e-03	1.59e-03235,212,212			1.00	0.04	0.96
1099	0.0	0.07	0.0	0,100,0	0.26	9.98e-04	8.66e-03235,213,100	0.39	235	0.0	0.0	0.0
	0.01	0.02	0.0	214,215,0	0.26	2.01e-03	2.01e-03235,212,212			1.00	0.04	0.96
1100	0.0	0.03	0.0	0,100,0	0.23	5.23e-04	3.92e-03235,213,100	0.37	235	0.0	0.0	0.0
	0.01	0.02	0.0	214,215,0	0.23	1.51e-03	1.51e-03235,212,212			1.00	0.04	0.96
1101	0.0	0.03	0.0	0,100,0	0.22	1.13e-03	3.84e-03235,217,100	0.36	235	0.0	0.0	0.0
	0.01	0.02	0.0	214,215,0	0.22	1.38e-03	1.38e-03235,211,211			1.00	0.04	0.96
1102	0.01	0.03	0.0	234,235,0	0.21	7.08e-04	4.48e-03235,219,215	0.35	235	0.85	0.06	0.94
	0.01	0.01	0.0	214,215,0	0.21	1.54e-03	1.54e-03235,215,215			1.00	0.04	0.96
1103	0.01	0.03	0.0	234,235,0	0.21	1.62e-03	4.89e-03234,219,215	0.35	234	0.85	0.06	0.94
	9.26e-03	0.01	0.0	214,215,0	0.21	1.38e-03	1.38e-03234,211,211			1.00	0.04	0.96
1104	0.08	0.09	0.0	234,235,0	0.21	9.97e-04	0.01235,212,235	0.35	235	0.85	0.06	0.94
	8.94e-03	9.27e-03	0.0	214,215,0	0.21	1.54e-03	1.54e-03235,215,215			1.00	0.04	0.96
1105	0.05	0.06	0.0	234,235,0	0.20	2.12e-03	7.36e-03234,220,235	0.34	234	0.85	0.06	0.94
	5.65e-03	8.24e-03	0.0	214,215,0	0.20	1.38e-03	1.38e-03234,215,215			1.00	0.04	0.96
1106	0.08	0.09	0.0	234,235,0	0.11	9.97e-04	0.01235,212,235	0.25	235	0.85	0.06	0.94
	3.31e-03	3.35e-03	0.0	214,215,0	0.11	8.07e-04	8.07e-04235,212,212			1.00	0.04	0.96
1107	0.05	0.06	0.0	234,235,0	0.10	2.12e-03	7.36e-03234,220,235	0.24	234	0.85	0.06	0.94
	1.63e-03	2.90e-03	0.0	214,100,0	0.10	7.24e-04	7.24e-04234,212,212			1.00	0.04	0.96
1108	0.11	0.29	0.0	234,235,0	0.38	5.41e-03	0.04235,215,235	0.47	235	0.85	0.06	0.94
	0.02	6.36e-03	0.0	100,235,0	0.38	5.00e-03	5.00e-03235,216,216			1.00	0.04	0.96
1109	0.11	0.29	0.0	234,235,0	0.42	5.41e-03	0.04235,215,235	0.50	235	0.85	0.06	0.94
	0.03	0.03	0.0	234,235,0	0.42	5.00e-03	5.00e-03235,216,216			1.00	0.04	0.96
1110	0.11	0.29	0.0	234,235,0	0.42	1.06e-03	0.04235,214,235	0.50	235	0.85	0.06	0.94
	0.03	0.03	0.0	234,235,0	0.42	4.58e-03	4.58e-03235,211,211			1.00	0.04	0.96
1111	0.02	0.08	0.0	214,215,0	0.42	1.63e-03	9.56e-03235,215,215	0.50	235	0.85	0.06	0.94
	0.03	0.03	0.0	234,235,0	0.42	4.58e-03	4.58e-03235,211,211			1.00	0.04	0.96
1112	3.22e-03	0.07	0.0	214,100,0	0.26	1.63e-03	8.66e-03235,215,100	0.39	235	0.85	0.06	0.94
	9.51e-03	0.02	0.0	234,235,0	0.26	2.01e-03	2.01e-03235,212,212			1.00	0.04	0.96
1113	3.22e-03	0.05	0.0	214,100,0	0.25	1.63e-03	6.40e-03235,215,215	0.38	235	0.85	0.06	0.94
	9.51e-03	0.02	0.0	234,235,0	0.25	1.53e-03	1.53e-03235,215,215			1.00	0.04	0.96
1114	0.0	0.03	0.0	0,100,0	0.22	2.04e-03	3.77e-03235,218,100	0.36	235	0.0	0.0	0.0
	6.96e-03	0.02	0.0	234,215,0	0.22	1.53e-03	1.53e-03235,215,215			1.00	0.04	0.96
1115	0.0	0.03	0.0	0,100,0	0.21	2.04e-03	3.53e-03234,218,214	0.35	234	0.0	0.0	0.0
	6.96e-03	0.01	0.0	234,235,0	0.21	1.53e-03	1.53e-03234,215,215			1.00	0.04	0.96
1116	0.01	0.03	0.0	234,235,0	0.21	2.70e-03	4.90e-03234,219,215	0.35	234	0.85	0.06	0.94
	4.52e-03	0.01	0.0	214,215,0	0.21	1.53e-03	1.53e-03234,211,211			1.00	0.04	0.96
1117	0.01	0.03	0.0	234,235,0	0.20	2.70e-03	4.90e-03234,219,215	0.35	234	0.85	0.06	0.94
	2.61e-03	6.38e-03	0.0	240,235,0	0.20	1.53e-03	1.53e-03234,211,211			1.00	0.04	0.96
1118	0.02	0.03	0.0	234,235,0	0.19	3.25e-03	5.46e-03234,224,215	0.34	234	0.85	0.06	0.94
	1.87e-03	6.85e-03	0.0	214,215,0	0.19	1.03e-03	1.03e-03234,212,212			1.00	0.04	0.96
1119	0.01	0.03	0.0	234,235,0	0.18	3.25e-03	4.90e-03234,224,215	0.33	234	0.85	0.06	0.94
	0.0	3.56e-03	0.0	0,100,0	0.18	1.03e-03	1.03e-03234,212,212			0.0	0.0	0.0
1120	0.02	0.03	0.0	234,235,0	0.10	3.25e-03	5.46e-03234,224,215	0.24	234	0.85	0.06	0.94
	0.0	2.90e-03	0.0	0,100,0	0.10	5.71e-04	5.71e-04234,212,212			0.0	0.0	0.0
1121	0.0	0.02	0.0	0,99,0	0.10	3.25e-03	4.72e-03234,224,221	0.24	234	0.0	0.0	0.0
	0.0	2.70e-03	0.0	0,100,0	0.10	5.71e-04	5.71e-04234,212,212			0.0	0.0	0.0

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.18	0.29	0.0	0.42	8.18e-03	0.04	0.50

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
34	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.70	60.8	177	0.66	57.7	177	0.69	3671.7	2.052e+06	220

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1066	0.12	0.16	0.0	217,220,0	0.12	3.13e-03	0.02214,224,220		0.26	214	0.85	0.06	0.94
	0.0	5.09e-03	0.0	0,100,0	0.12	6.38e-04	6.38e-04214,224,224				0.0	0.0	0.0
1067	0.12	0.16	0.0	217,220,0	0.12	3.13e-03	0.02210,224,220		0.27	210	0.85	0.06	0.94
	2.39e-03	5.09e-03	0.0	235,100,0	0.12	2.45e-03	2.45e-03210,240,240				1.00	0.04	0.96
1070	0.09	0.16	0.0	209,215,0	0.12	1.09e-03	0.02210,237,212		0.27	210	0.85	0.06	0.94
	2.39e-03	4.58e-03	0.0	235,234,0	0.12	2.45e-03	2.45e-03210,240,240				1.00	0.04	0.96
1072	0.08	0.17	0.0	214,215,0	0.13	1.36e-03	0.02210,237,215		0.27	210	0.85	0.06	0.94

	1.18e-03	3.69e-03	0.0 235,100,0	0.13	1.76e-03	1.76e-03210,240,240			1.00	0.04	0.96
1094	0.08	0.17	0.0 214,215,0	0.13	1.36e-03	0.02210,237,215	0.28	210	0.85	0.06	0.94
	0.0	7.53e-03	0.0 0,100,0	0.13	1.59e-03	1.59e-03210,100,100			0.0	0.0	0.0
1096	0.09	0.18	0.0 234,235,0	0.13	3.02e-03	0.02210,100,235	0.28	210	0.85	0.06	0.94
	3.16e-03	7.53e-03	0.0 240,100,0	0.13	1.59e-03	1.59e-03210,100,100			1.00	0.04	0.96
1108	0.10	0.18	0.0 234,235,0	0.14	3.02e-03	0.02210,100,235	0.28	210	0.85	0.06	0.94
	3.51e-03	5.19e-03	0.0 224,221,0	0.14	2.02e-03	2.02e-03210,214,214			1.00	0.04	0.96
1110	0.10	0.17	0.0 234,235,0	0.14	6.37e-04	0.02210,223,235	0.28	210	0.85	0.06	0.94
	3.51e-03	5.19e-03	0.0 224,221,0	0.14	2.02e-03	2.02e-03210,214,214			1.00	0.04	0.96
1122	0.12	0.16	0.0 217,220,0	0.15	3.13e-03	0.02217,224,220	0.30	217	0.85	0.06	0.94
	7.57e-03	5.60e-03	0.0 235,234,0	0.15	2.45e-03	2.45e-03217,240,240			1.00	0.04	0.96
1123	0.12	0.16	0.0 217,220,0	0.13	3.13e-03	0.02217,224,220	0.28	217	0.85	0.06	0.94
	4.20e-03	5.09e-03	0.0 235,100,0	0.13	1.01e-03	1.01e-03217,228,228			1.00	0.04	0.96
1124	0.09	0.16	0.0 209,215,0	0.16	1.09e-03	0.02217,237,212	0.31	217	0.85	0.06	0.94
	7.57e-03	5.60e-03	0.0 235,234,0	0.16	2.45e-03	2.45e-03217,240,240			1.00	0.04	0.96
1125	0.08	0.17	0.0 214,215,0	0.17	1.36e-03	0.02217,237,215	0.32	217	0.85	0.06	0.94
	4.94e-03	3.88e-03	0.0 216,234,0	0.17	1.76e-03	1.76e-03217,240,240			1.00	0.04	0.96
1126	0.04	0.14	0.0 224,100,0	0.15	1.38e-03	0.02217,233,100	0.30	217	0.85	0.06	0.94
	9.01e-03	6.21e-03	0.0 211,214,0	0.15	1.15e-03	1.15e-03217,236,236			1.00	0.04	0.96
1127	0.03	0.14	0.0 224,100,0	0.13	1.38e-03	0.02217,233,100	0.28	217	0.85	0.06	0.94
	5.37e-03	4.22e-03	0.0 211,214,0	0.13	1.15e-03	1.15e-03217,236,236			1.00	0.04	0.96
1128	0.04	0.13	0.0 224,100,0	0.16	1.24e-03	0.02217,235,100	0.31	217	0.85	0.06	0.94
	9.01e-03	6.21e-03	0.0 211,214,0	0.16	7.38e-04	7.38e-04217,240,240			1.00	0.04	0.96
1129	0.04	0.13	0.0 224,100,0	0.17	8.62e-04	0.01217,235,100	0.32	217	0.85	0.06	0.94
	6.14e-03	4.09e-03	0.0 224,221,0	0.17	7.38e-04	7.38e-04217,240,240			1.00	0.04	0.96
1130	0.28	0.34	0.0 220,217,0	0.14	2.53e-03	0.04217,236,217	0.29	217	0.85	0.06	0.94
	9.01e-03	6.21e-03	0.0 211,214,0	0.14	1.15e-03	1.15e-03217,236,236			1.00	0.04	0.96
1131	0.28	0.34	0.0 220,217,0	0.13	2.53e-03	0.04217,236,217	0.27	217	0.85	0.06	0.94
	5.37e-03	4.22e-03	0.0 211,214,0	0.13	1.15e-03	1.15e-03217,236,236			1.00	0.04	0.96
1132	0.24	0.30	0.0 220,217,0	0.15	1.94e-03	0.04217,240,221	0.30	217	0.85	0.06	0.94
	9.01e-03	6.21e-03	0.0 211,214,0	0.15	7.38e-04	7.38e-04217,240,240			1.00	0.04	0.96
1133	0.21	0.26	0.0 220,217,0	0.15	1.14e-03	0.03217,234,221	0.30	217	0.85	0.06	0.94
	6.14e-03	4.09e-03	0.0 224,221,0	0.15	7.38e-04	7.38e-04217,240,240			1.00	0.04	0.96
1134	0.28	0.34	0.0 220,217,0	0.10	2.53e-03	0.04209,236,217	0.24	209	0.85	0.06	0.94
	5.25e-03	3.71e-03	0.0 211,210,0	0.10	7.76e-04	7.76e-04209,228,228			1.00	0.04	0.96
1135	0.28	0.34	0.0 220,217,0	0.10	2.53e-03	0.04209,236,217	0.24	209	0.85	0.06	0.94
	3.26e-03	2.66e-03	0.0 211,210,0	0.10	7.76e-04	7.76e-04209,228,228			1.00	0.04	0.96
1136	0.24	0.30	0.0 220,217,0	0.08	1.94e-03	0.04217,240,221	0.21	217	0.85	0.06	0.94
	5.25e-03	3.71e-03	0.0 211,210,0	0.08	5.73e-04	5.73e-04217,240,240			1.00	0.04	0.96
1137	0.21	0.26	0.0 220,217,0	0.06	1.14e-03	0.03217,234,221	0.19	217	0.85	0.06	0.94
	3.00e-03	2.12e-03	0.0 220,217,0	0.06	5.73e-04	5.73e-04217,240,240			1.00	0.04	0.96
1138	0.08	0.17	0.0 214,215,0	0.17	1.36e-03	0.02217,237,215	0.32	217	0.85	0.06	0.94
	3.58e-03	7.53e-03	0.0 224,100,0	0.17	1.59e-03	1.59e-03217,100,100			1.00	0.04	0.96
1139	0.09	0.18	0.0 234,235,0	0.18	3.02e-03	0.02217,100,235	0.32	217	0.85	0.06	0.94
	3.16e-03	0.01	0.0 240,100,0	0.18	1.59e-03	1.59e-03217,100,100			1.00	0.04	0.96
1140	0.04	0.13	0.0 224,100,0	0.17	4.91e-04	0.01217,233,100	0.32	217	0.85	0.06	0.94
	4.14e-03	7.11e-03	0.0 224,100,0	0.17	5.53e-04	5.53e-04217,236,236			1.00	0.04	0.96
1141	0.03	0.13	0.0 224,100,0	0.18	1.35e-03	0.02217,235,100	0.32	217	0.85	0.06	0.94
	2.37e-03	0.01	0.0 240,100,0	0.18	7.47e-04	7.47e-04217,224,224			1.00	0.04	0.96
1142	0.17	0.22	0.0 220,217,0	0.15	9.63e-04	0.03217,236,221	0.30	217	0.85	0.06	0.94
	4.14e-03	4.99e-03	0.0 224,100,0	0.15	5.53e-04	5.53e-04217,236,236			1.00	0.04	0.96
1143	0.14	0.19	0.0 220,217,0	0.15	1.94e-03	0.02217,240,221	0.30	217	0.85	0.06	0.94
	1.73e-03	9.95e-03	0.0 240,100,0	0.15	5.36e-04	5.36e-04217,238,238			1.00	0.04	0.96
1144	0.17	0.22	0.0 220,217,0	0.05	9.63e-04	0.03217,236,221	0.17	217	0.85	0.06	0.94
	1.88e-03	2.25e-03	0.0 220,100,0	0.05	5.05e-04	5.05e-04217,240,240			1.00	0.04	0.96
1145	0.14	0.19	0.0 220,217,0	0.05	1.94e-03	0.02217,240,221	0.16	217	0.85	0.06	0.94
	1.37e-04	5.63e-03	0.0 240,100,0	0.05	4.28e-04	4.28e-04217,240,240			1.00	0.04	0.96
1146	0.10	0.18	0.0 234,235,0	0.18	3.02e-03	0.02217,100,235	0.32	217	0.85	0.06	0.94
	3.51e-03	0.01	0.0 224,100,0	0.18	2.02e-03	2.02e-03217,214,214			1.00	0.04	0.96
1147	0.10	0.17	0.0 234,235,0	0.17	2.67e-03	0.02217,235,235	0.32	217	0.85	0.06	0.94
	3.51e-03	0.01	0.0 224,100,0	0.17	2.02e-03	2.02e-03217,214,214			1.00	0.04	0.96
1148	0.03	0.13	0.0 224,100,0	0.18	2.67e-03	0.02217,235,100	0.32	217	0.85	0.06	0.94
	0.0	0.01	0.0 0,100,0	0.18	7.47e-04	7.47e-04217,224,224			0.0	0.0	0.0
1149	0.02	0.12	0.0 224,100,0	0.17	2.67e-03	0.01217,235,235	0.32	217	0.85	0.06	0.94
	0.0	0.01	0.0 0,100,0	0.17	6.57e-04	6.57e-04217,224,224			0.0	0.0	0.0
1150	0.10	0.16	0.0 224,221,0	0.15	2.86e-03	0.02217,240,221	0.29	217	0.85	0.06	0.94
	0.0	9.95e-03	0.0 0,100,0	0.15	6.93e-04	6.93e-04217,232,232			0.0	0.0	0.0
1151	0.07	0.14	0.0 224,221,0	0.14	2.86e-03	0.02217,240,221	0.29	217	0.85	0.06	0.94
	0.0	9.45e-03	0.0 0,100,0	0.14	6.93e-04	6.93e-04217,232,232			0.0	0.0	0.0
1152	0.10	0.16	0.0 224,221,0	0.05	2.86e-03	0.02211,240,221	0.17	211	0.85	0.06	0.94
	0.0	9.45e-03	0.0 0,100,0	0.05	6.93e-04	6.93e-04211,232,232			0.0	0.0	0.0
1153	0.07	0.14	0.0 224,221,0	0.05	2.86e-03	0.02211,240,221	0.17	211	0.85	0.06	0.94
	0.0	9.45e-03	0.0 0,100,0	0.05	6.93e-04	6.93e-04211,232,232			0.0	0.0	0.0

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26

	0.28	0.34	0.0	0.18	3.13e-03	0.04	0.32

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
35	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.83	210.0	186	0.71	-177.6	187	0.97	-1.679e+04	1.201e+07	219

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
490	6.20e-03	0.06	0.0	219,100,0	0.19	4.99e-03	7.27e-03	218,239,230	0.33	218	0.87	0.06	0.94
	0.05	0.03	0.0	231,233,0	0.19	0.02	0.02	218,233,233			1.00	0.04	0.96
534	0.13	0.11	0.0	219,218,0	0.08	3.57e-03	0.01	218,228,218	0.21	218	0.87	0.06	0.94
	0.01	7.29e-03	0.0	231,230,0	0.08	3.90e-03	3.90e-03	218,231,231			1.00	0.04	0.96
536	0.07	0.08	0.0	219,218,0	0.11	3.81e-03	9.69e-03	218,228,230	0.25	218	0.87	0.06	0.94
	0.02	0.02	0.0	231,230,0	0.11	5.77e-03	5.77e-03	218,231,231			1.00	0.04	0.96
538	0.04	0.05	0.0	224,218,0	0.12	4.34e-03	7.58e-03	218,44,44	0.26	218	0.87	0.06	0.94
	0.04	0.03	0.0	231,230,0	0.12	7.56e-03	7.56e-03	218,227,227			1.00	0.04	0.96
540	9.34e-03	0.04	0.0	224,100,0	0.12	5.80e-03	0.01	218,44,44	0.27	218	0.87	0.06	0.94
	0.06	0.04	0.0	231,230,0	0.12	0.02	0.02	218,44,44			1.00	0.04	0.96
542	0.0	0.05	0.0	0,100,0	0.13	5.80e-03	0.01	218,44,44	0.28	218	0.0	0.0	0.0
	0.07	0.06	0.0	45,46,0	0.13	0.02	0.02	218,233,233			1.00	0.04	0.96
544	0.0	0.06	0.0	0,100,0	0.13	3.08e-03	7.37e-03	218,230,100	0.28	218	0.0	0.0	0.0
	0.07	0.06	0.0	45,46,0	0.13	0.02	0.02	218,233,233			1.00	0.04	0.96
591	0.15	0.32	0.0	218,219,0	0.19	5.50e-03	0.04	219,235,219	0.34	219	0.87	0.06	0.94
	5.17e-03	0.01	0.0	218,219,0	0.19	5.49e-04	5.49e-04	219,227,227			1.00	0.04	0.96
592	0.15	0.32	0.0	218,219,0	0.14	5.50e-03	0.04	219,235,219	0.29	219	0.87	0.06	0.94
	2.97e-03	0.01	0.0	218,219,0	0.14	1.37e-04	1.37e-04	219,240,240			1.00	0.04	0.96
1192	9.47e-03	0.06	0.0	231,100,0	0.19	4.99e-03	7.27e-03	218,239,230	0.33	218	0.87	0.06	0.94
	0.05	0.03	0.0	231,233,0	0.19	0.02	0.02	218,233,233			1.00	0.04	0.96
1193	0.13	0.11	0.0	219,218,0	0.08	3.57e-03	0.01	218,228,218	0.21	218	0.87	0.06	0.94
	0.01	7.29e-03	0.0	231,230,0	0.08	3.90e-03	3.90e-03	218,231,231			1.00	0.04	0.96
1194	0.01	0.05	0.0	231,100,0	0.19	1.87e-03	6.64e-03	218,228,230	0.33	218	0.87	0.06	0.94
	0.03	0.03	0.0	233,44,0	0.19	0.02	0.02	218,231,231			1.00	0.04	0.96
1195	0.10	0.09	0.0	219,218,0	0.07	2.89e-03	0.01	218,228,230	0.21	218	0.87	0.06	0.94
	6.94e-03	5.28e-03	0.0	231,230,0	0.07	3.42e-03	3.42e-03	218,227,227			1.00	0.04	0.96
1196	0.01	0.05	0.0	231,100,0	0.18	1.93e-03	7.34e-03	218,236,230	0.33	218	0.87	0.06	0.94
	0.02	0.03	0.0	226,44,0	0.18	0.01	0.01	218,227,227			1.00	0.04	0.96
1197	0.08	0.07	0.0	219,218,0	0.07	1.86e-03	9.49e-03	218,232,230	0.21	218	0.87	0.06	0.94
	4.60e-03	4.21e-03	0.0	225,228,0	0.07	2.69e-03	2.69e-03	218,227,227			1.00	0.04	0.96
1198	0.07	0.08	0.0	219,218,0	0.11	3.81e-03	9.79e-03	218,228,230	0.25	218	0.87	0.06	0.94
	0.02	0.02	0.0	231,230,0	0.11	5.77e-03	5.77e-03	218,231,231			1.00	0.04	0.96
1199	0.07	0.07	0.0	219,218,0	0.10	2.93e-03	9.79e-03	218,228,230	0.25	218	0.87	0.06	0.94
	0.02	0.01	0.0	231,230,0	0.10	5.43e-03	5.43e-03	218,227,227			1.00	0.04	0.96
1200	0.06	0.07	0.0	219,218,0	0.10	1.95e-03	9.49e-03	218,228,230	0.24	218	0.87	0.06	0.94
	0.01	0.01	0.0	227,227,0	0.10	4.87e-03	4.87e-03	218,227,227			1.00	0.04	0.96
1201	0.04	0.05	0.0	224,218,0	0.12	4.34e-03	7.61e-03	218,44,230	0.26	218	0.87	0.06	0.94
	0.04	0.03	0.0	231,230,0	0.12	7.56e-03	7.56e-03	218,227,227			1.00	0.04	0.96
1202	0.04	0.05	0.0	224,218,0	0.12	2.93e-03	7.61e-03	218,228,230	0.26	218	0.87	0.06	0.94
	0.04	0.03	0.0	227,226,0	0.12	7.31e-03	7.31e-03	218,227,227			1.00	0.04	0.96
1203	0.03	0.05	0.0	224,218,0	0.12	1.95e-03	7.55e-03	218,228,230	0.26	218	0.87	0.06	0.94
	0.03	0.02	0.0	227,227,0	0.12	7.01e-03	7.01e-03	218,227,227			1.00	0.04	0.96
1204	0.01	0.04	0.0	220,100,0	0.12	5.80e-03	0.01	218,44,44	0.27	218	0.87	0.06	0.94
	0.06	0.04	0.0	231,230,0	0.12	0.02	0.02	218,44,44			1.00	0.04	0.96
1205	0.01	0.04	0.0	220,100,0	0.12	2.59e-03	5.98e-03	218,228,230	0.27	218	0.87	0.06	0.94
	0.06	0.04	0.0	227,227,0	0.12	9.28e-03	9.28e-03	218,231,231			1.00	0.04	0.96
1206	0.01	0.04	0.0	220,100,0	0.12	1.78e-03	5.87e-03	218,228,230	0.27	218	0.87	0.06	0.94
	0.05	0.04	0.0	227,227,0	0.12	8.57e-03	8.57e-03	218,225,225			1.00	0.04	0.96
1207	0.0	0.05	0.0	0,100,0	0.13	5.80e-03	0.01	218,44,44	0.28	218	0.0	0.0	0.0
	0.07	0.06	0.0	45,46,0	0.13	0.02	0.02	218,233,233			1.00	0.04	0.96
1208	0.0	0.05	0.0	0,100,0	0.13	2.36e-03	6.62e-03	218,230,28	0.28	218	0.0	0.0	0.0
	0.06	0.04	0.0	227,227,0	0.13	0.02	0.02	218,233,233			1.00	0.04	0.96
1209	0.0	0.05	0.0	0,100,0	0.13	1.51e-03	6.32e-03	218,230,100	0.28	218	0.0	0.0	0.0
	0.05	0.04	0.0	227,227,0	0.13	0.02	0.02	218,225,225			1.00	0.04	0.96
1210	0.0	0.06	0.0	0,100,0	0.13	3.08e-03	7.37e-03	218,230,100	0.28	218	0.0	0.0	0.0
	0.07	0.06	0.0	45,46,0	0.13	0.02	0.02	218,233,233			1.00	0.04	0.96
1211	0.0	0.05	0.0	0,100,0	0.13	2.15e-03	6.62e-03	218,44,28	0.28	218	0.0	0.0	0.0
	0.05	0.04	0.0	227,42,0	0.13	0.02	0.02	218,233,233			1.00	0.04	0.96
1212	0.0	0.05	0.0	0,100,0	0.14	1.93e-03	7.34e-03	218,236,230	0.28	218	0.0	0.0	0.0

	0.04	0.03	0.0 227,227,0	0.14	0.02	0.02218,225,225			1.00	0.04	0.96
1216	0.02	0.04	0.0 231,100,0	0.18	1.93e-03	7.34e-03218,236,230	0.32	218	0.87	0.06	0.94
	0.01	0.02	0.0 45,44,0	0.18	0.01	0.01218,231,231			1.00	0.04	0.96
1217	0.06	0.06	0.0 219,218,0	0.07	2.30e-03	8.57e-03219,226,230	0.20	219	0.87	0.06	0.94
	3.88e-03	4.32e-03	0.0 230,228,0	0.07	2.16e-03	2.16e-03219,227,227			1.00	0.04	0.96
1218	0.02	0.04	0.0 227,100,0	0.17	2.04e-03	7.80e-03218,230,226	0.32	218	0.87	0.06	0.94
	0.01	0.03	0.0 219,100,0	0.17	9.24e-03	9.24e-03218,225,225			1.00	0.04	0.96
1219	0.05	0.06	0.0 219,218,0	0.07	3.72e-03	9.21e-03219,226,230	0.20	219	0.87	0.06	0.94
	5.88e-03	6.07e-03	0.0 230,228,0	0.07	2.04e-03	2.04e-03219,228,228			1.00	0.04	0.96
1220	0.06	0.06	0.0 219,218,0	0.10	9.06e-04	8.57e-03219,228,230	0.24	219	0.87	0.06	0.94
	9.95e-03	9.47e-03	0.0 231,231,0	0.10	4.19e-03	4.19e-03219,227,227			1.00	0.04	0.96
1221	0.05	0.06	0.0 219,218,0	0.10	2.84e-03	9.21e-03219,228,230	0.24	219	0.87	0.06	0.94
	9.05e-03	0.01	0.0 225,228,0	0.10	3.20e-03	3.20e-03219,227,227			1.00	0.04	0.96
1222	0.03	0.05	0.0 224,218,0	0.11	8.72e-04	7.50e-03219,228,230	0.26	219	0.87	0.06	0.94
	0.02	0.02	0.0 227,227,0	0.11	6.25e-03	6.25e-03219,227,227			1.00	0.04	0.96
1223	0.03	0.04	0.0 224,218,0	0.11	2.61e-03	8.19e-03219,226,230	0.26	219	0.87	0.06	0.94
	0.02	0.02	0.0 231,230,0	0.11	4.56e-03	4.56e-03219,231,231			1.00	0.04	0.96
1224	9.52e-03	0.04	0.0 224,100,0	0.12	9.62e-04	5.85e-03218,236,230	0.27	218	0.87	0.06	0.94
	0.04	0.03	0.0 227,227,0	0.12	8.52e-03	8.52e-03218,227,227			1.00	0.04	0.96
1225	8.40e-03	0.04	0.0 224,100,0	0.12	2.52e-03	6.90e-03219,226,230	0.26	219	0.87	0.06	0.94
	0.03	0.03	0.0 231,229,0	0.12	7.41e-03	7.41e-03 219,44,44			1.00	0.04	0.96
1226	0.0	0.05	0.0 0,100,0	0.13	1.50e-03	6.18e-03218,236,100	0.28	218	0.0	0.0	0.0
	0.04	0.03	0.0 227,227,0	0.13	0.01	0.01218,225,225			1.00	0.04	0.96
1227	0.0	0.04	0.0 0,100,0	0.13	1.68e-03	6.04e-03218,228,230	0.27	218	0.0	0.0	0.0
	0.03	0.03	0.0 231,229,0	0.13	0.01	0.01218,225,225			1.00	0.04	0.96
1228	0.0	0.05	0.0 0,100,0	0.14	1.93e-03	7.34e-03218,236,230	0.28	218	0.0	0.0	0.0
	0.03	0.03	0.0 227,229,0	0.14	0.01	0.01218,225,225			1.00	0.04	0.96
1229	3.53e-03	0.04	0.0 227,100,0	0.13	1.49e-03	7.43e-03218,226,226	0.28	218	0.87	0.06	0.94
	0.02	0.03	0.0 231,44,0	0.13	0.01	0.01218,225,225			1.00	0.04	0.96
1232	0.02	0.04	0.0 227,100,0	0.15	6.10e-03	0.01218,226,226	0.30	218	0.87	0.06	0.94
	0.01	0.03	0.0 219,100,0	0.15	7.72e-03	7.72e-03218,233,233			1.00	0.04	0.96
1233	0.05	0.05	0.0 219,218,0	0.06	6.56e-03	0.01219,226,226	0.19	219	0.87	0.06	0.94
	0.01	0.01	0.0 231,230,0	0.06	5.64e-03	5.64e-03219,228,228			1.00	0.04	0.96
1234	0.01	0.03	0.0 227,226,0	0.12	6.10e-03	0.01218,226,226	0.27	218	0.87	0.06	0.94
	8.89e-03	0.02	0.0 219,218,0	0.12	2.63e-03	2.63e-03218,231,231			1.00	0.04	0.96
1235	0.03	0.04	0.0 219,218,0	0.06	6.56e-03	0.01219,226,226	0.19	219	0.87	0.06	0.94
	0.01	0.01	0.0 231,230,0	0.06	5.64e-03	5.64e-03219,228,228			1.00	0.04	0.96
1236	0.05	0.05	0.0 219,218,0	0.09	6.56e-03	0.01219,226,226	0.23	219	0.87	0.06	0.94
	0.01	0.01	0.0 231,228,0	0.09	6.25e-03	6.25e-03219,227,227			1.00	0.04	0.96
1237	0.03	0.04	0.0 219,218,0	0.09	6.56e-03	0.01219,226,226	0.22	219	0.87	0.06	0.94
	0.01	0.01	0.0 231,228,0	0.09	6.25e-03	6.25e-03219,227,227			1.00	0.04	0.96
1238	0.02	0.04	0.0 224,218,0	0.11	5.85e-03	9.52e-03219,226,230	0.25	219	0.87	0.06	0.94
	0.01	0.01	0.0 225,230,0	0.11	6.25e-03	6.25e-03219,227,227			1.00	0.04	0.96
1239	0.02	0.04	0.0 219,218,0	0.10	5.85e-03	9.52e-03219,226,230	0.25	219	0.87	0.06	0.94
	0.01	0.01	0.0 225,228,0	0.10	6.25e-03	6.25e-03219,227,227			1.00	0.04	0.96
1240	6.69e-03	0.04	0.0 224,100,0	0.11	3.83e-03	6.90e-03219,232,230	0.26	219	0.87	0.06	0.94
	0.02	0.02	0.0 231,44,0	0.11	7.41e-03	7.41e-03 219,44,44			1.00	0.04	0.96
1241	3.34e-03	0.03	0.0 224,100,0	0.11	3.83e-03	6.51e-03219,232,226	0.26	219	0.87	0.06	0.94
	9.19e-03	8.54e-03	0.0 231,221,0	0.11	2.52e-03	2.52e-03219,232,232			1.00	0.04	0.96
1242	0.0	0.04	0.0 0,100,0	0.12	4.00e-03	7.12e-03218,226,226	0.26	218	0.0	0.0	0.0
	0.02	0.03	0.0 231,44,0	0.12	8.24e-03	8.24e-03218,225,225			1.00	0.04	0.96
1243	0.0	0.03	0.0 0,100,0	0.11	4.00e-03	7.12e-03219,226,226	0.26	219	0.0	0.0	0.0
	9.19e-03	0.01	0.0 231,221,0	0.11	1.74e-03	1.74e-03219,213,213			1.00	0.04	0.96
1244	5.79e-03	0.04	0.0 227,100,0	0.12	5.63e-03	0.01218,226,226	0.27	218	0.87	0.06	0.94
	0.02	0.03	0.0 231,44,0	0.12	8.24e-03	8.24e-03218,225,225			1.00	0.04	0.96
1245	5.79e-03	0.03	0.0 227,226,0	0.11	5.63e-03	0.01219,226,226	0.25	219	0.87	0.06	0.94
	7.80e-03	0.01	0.0 231,218,0	0.11	2.07e-03	2.07e-03219,236,236			1.00	0.04	0.96
1248	0.02	0.03	0.0 239,218,0	0.19	5.66e-03	7.27e-03218,239,230	0.33	218	0.87	0.06	0.94
	0.03	0.03	0.0 239,233,0	0.19	0.02	0.02218,233,233			1.00	0.04	0.96
1249	0.01	0.03	0.0 235,218,0	0.19	5.66e-03	7.27e-03218,239,230	0.33	218	0.87	0.06	0.94
	0.03	0.03	0.0 239,233,0	0.19	0.02	0.02218,233,233			1.00	0.04	0.96
1250	0.02	0.03	0.0 231,230,0	0.19	2.86e-03	6.64e-03218,227,230	0.33	218	0.87	0.06	0.94
	0.02	0.03	0.0 233,239,0	0.19	4.66e-03	4.66e-03 218,44,44			1.00	0.04	0.96
1251	0.02	0.03	0.0 231,230,0	0.18	1.70e-03	6.87e-03218,232,230	0.33	218	0.87	0.06	0.94
	0.02	0.03	0.0 233,239,0	0.18	3.75e-03	3.75e-03218,232,232			1.00	0.04	0.96
1252	0.02	7.45e-03	0.0 239,238,0	0.16	5.83e-03	5.83e-03218,233,233	0.31	218	0.87	0.06	0.94
	8.65e-03	0.02	0.0 233,239,0	0.16	4.51e-03	4.51e-03218,233,233			1.00	0.04	0.96
1253	0.01	1.96e-03	0.0 235,234,0	0.15	5.83e-03	5.83e-03218,233,233	0.30	218	0.87	0.06	0.94
	7.13e-03	0.01	0.0 239,219,0	0.15	2.27e-03	2.27e-03218,233,233			1.00	0.04	0.96
1254	0.02	0.01	0.0 231,231,0	0.16	3.87e-03	6.49e-03218,239,239	0.31	218	0.87	0.06	0.94
	0.01	0.02	0.0 230,239,0	0.16	4.51e-03	4.51e-03218,233,233			1.00	0.04	0.96
1255	0.02	0.02	0.0 231,231,0	0.16	1.80e-03	6.49e-03218,227,239	0.31	218	0.87	0.06	0.94
	0.01	0.02	0.0 230,239,0	0.16	3.43e-03	3.43e-03218,239,239			1.00	0.04	0.96
1256	0.03	0.07	0.0 218,219,0	0.19	5.83e-03	0.01219,233,231	0.34	219	0.87	0.06	0.94
	5.17e-03	0.01	0.0 218,231,0	0.19	2.06e-03	2.06e-03219,233,233			1.00	0.04	0.96

1257	0.02	0.06	0.0 218,219,0	0.19	5.83e-03	0.01219,233,231	0.34	219	0.87	0.06	0.94
	5.17e-03	0.01	0.0 218,219,0	0.19	1.51e-03	1.51e-03219,231,231			1.00	0.04	0.96
1258	0.03	0.07	0.0 218,219,0	0.19	4.08e-03	0.01219,233,231	0.33	219	0.87	0.06	0.94
	4.41e-03	0.02	0.0 230,231,0	0.19	2.71e-03	2.71e-03219,233,233			1.00	0.04	0.96
1259	0.03	0.07	0.0 218,219,0	0.17	1.99e-03	0.01219,239,231	0.32	219	0.87	0.06	0.94
	4.41e-03	0.02	0.0 230,100,0	0.17	2.71e-03	2.71e-03219,233,233			1.00	0.04	0.96
1260	0.15	0.32	0.0 218,219,0	0.19	5.50e-03	0.04219,235,219	0.34	219	0.87	0.06	0.94
	5.17e-03	0.01	0.0 218,219,0	0.19	9.09e-04	9.09e-04219,239,239			1.00	0.04	0.96
1262	0.12	0.28	0.0 218,219,0	0.19	4.08e-03	0.04219,233,219	0.33	219	0.87	0.06	0.94
	3.62e-03	0.01	0.0 218,219,0	0.19	1.35e-03	1.35e-03219,233,233			1.00	0.04	0.96
1263	0.09	0.24	0.0 218,219,0	0.17	1.99e-03	0.03219,239,219	0.32	219	0.87	0.06	0.94
	1.24e-03	0.01	0.0 218,100,0	0.17	1.47e-03	1.47e-03219,233,233			1.00	0.04	0.96
1264	0.15	0.32	0.0 218,219,0	0.14	5.50e-03	0.04219,235,219	0.29	219	0.87	0.06	0.94
	2.97e-03	0.01	0.0 218,219,0	0.14	2.51e-04	2.51e-04219,237,237			1.00	0.04	0.96
1265	0.12	0.28	0.0 218,219,0	0.10	3.68e-03	0.04219,235,219	0.25	219	0.87	0.06	0.94
	9.02e-05	8.08e-03	0.0 218,100,0	0.10	3.40e-04	3.40e-04219,229,229			1.00	0.04	0.96
1266	0.09	0.24	0.0 218,219,0	0.07	1.98e-03	0.03219,235,219	0.21	219	0.87	0.06	0.94
	9.02e-05	7.77e-03	0.0 218,100,0	0.07	4.64e-04	4.64e-04219,233,233			1.00	0.04	0.96
1267	0.02	0.03	0.0 227,230,0	0.18	1.52e-03	6.87e-03218,239,230	0.32	218	0.87	0.06	0.94
	0.01	0.02	0.0 239,239,0	0.18	2.51e-03	2.51e-03218,231,231			1.00	0.04	0.96
1268	0.02	0.03	0.0 227,226,0	0.17	3.37e-03	7.80e-03218,235,226	0.32	218	0.87	0.06	0.94
	0.01	0.03	0.0 219,100,0	0.17	2.15e-03	2.15e-03218,239,239			1.00	0.04	0.96
1269	0.02	0.02	0.0 227,231,0	0.16	2.05e-03	7.21e-03218,239,235	0.31	218	0.87	0.06	0.94
	7.51e-03	0.02	0.0 233,100,0	0.16	2.51e-03	2.51e-03218,231,231			1.00	0.04	0.96
1270	0.01	0.02	0.0 227,231,0	0.16	3.80e-03	7.92e-03218,239,239	0.31	218	0.87	0.06	0.94
	0.01	0.04	0.0 219,100,0	0.16	1.86e-03	1.86e-03218,231,231			1.00	0.04	0.96
1271	0.03	0.07	0.0 218,219,0	0.16	2.12e-03	0.01219,233,231	0.31	219	0.87	0.06	0.94
	1.91e-03	0.02	0.0 230,100,0	0.16	2.37e-03	2.37e-03219,233,233			1.00	0.04	0.96
1272	0.03	0.07	0.0 218,219,0	0.15	4.13e-03	0.01219,233,231	0.30	219	0.87	0.06	0.94
	0.02	0.05	0.0 219,218,0	0.15	1.69e-03	1.69e-03219,239,239			1.00	0.04	0.96
1273	0.06	0.21	0.0 218,219,0	0.16	2.12e-03	0.03219,233,219	0.31	219	0.87	0.06	0.94
	7.54e-04	0.02	0.0 218,100,0	0.16	1.47e-03	1.47e-03219,233,233			1.00	0.04	0.96
1274	0.03	0.18	0.0 218,219,0	0.15	4.30e-03	0.02219,233,231	0.30	219	0.87	0.06	0.94
	0.03	0.07	0.0 219,218,0	0.15	1.26e-03	1.26e-03219,233,233			1.00	0.04	0.96
1275	0.06	0.21	0.0 218,219,0	0.06	2.10e-03	0.03218,233,219	0.19	218	0.87	0.06	0.94
	7.54e-04	0.01	0.0 218,100,0	0.06	4.85e-04	4.85e-04218,233,233			1.00	0.04	0.96
1276	0.03	0.18	0.0 218,219,0	0.11	4.30e-03	0.02218,233,231	0.26	218	0.87	0.06	0.94
	0.03	0.07	0.0 219,218,0	0.11	4.85e-04	4.85e-04218,233,233			1.00	0.04	0.96
1277	0.02	0.03	0.0 227,226,0	0.15	6.10e-03	0.01218,226,226	0.30	218	0.87	0.06	0.94
	0.01	0.03	0.0 219,100,0	0.15	2.63e-03	2.63e-03218,231,231			1.00	0.04	0.96
1278	0.01	0.03	0.0 227,226,0	0.12	6.10e-03	0.01218,226,226	0.27	218	0.87	0.06	0.94
	8.89e-03	0.02	0.0 219,218,0	0.12	2.63e-03	2.63e-03218,231,231			1.00	0.04	0.96
1279	9.36e-03	0.02	0.0 227,107,0	0.15	5.77e-03	8.17e-03218,235,235	0.30	218	0.87	0.06	0.94
	0.01	0.04	0.0 219,100,0	0.15	1.04e-03	1.04e-03218,233,233			1.00	0.04	0.96
1280	1.18e-03	0.02	0.0 231,107,0	0.11	5.77e-03	8.17e-03219,235,235	0.26	219	0.87	0.06	0.94
	0.01	0.03	0.0 219,218,0	0.11	1.04e-03	1.04e-03219,233,233			1.00	0.04	0.96
1281	0.02	0.07	0.0 218,219,0	0.15	5.86e-03	0.01219,239,231	0.29	219	0.87	0.06	0.94
	0.03	0.05	0.0 219,218,0	0.15	1.04e-03	1.04e-03219,233,233			1.00	0.04	0.96
1282	0.01	0.06	0.0 218,219,0	0.11	5.86e-03	0.01219,239,231	0.26	219	0.87	0.06	0.94
	0.03	0.05	0.0 219,218,0	0.11	1.04e-03	1.04e-03219,233,233			1.00	0.04	0.96
1283	0.02	0.17	0.0 218,100,0	0.15	6.51e-03	0.02219,233,231	0.29	219	0.87	0.06	0.94
	0.04	0.07	0.0 219,218,0	0.15	8.23e-04	8.23e-04219,239,239			1.00	0.04	0.96
1284	0.01	0.16	0.0 218,100,0	0.10	6.51e-03	0.02219,233,231	0.24	219	0.87	0.06	0.94
	0.04	0.07	0.0 219,218,0	0.10	8.04e-04	8.04e-04219,228,228			1.00	0.04	0.96
1285	3.97e-03	0.17	0.0 218,100,0	0.11	6.51e-03	0.02218,233,231	0.26	218	0.87	0.06	0.94
	0.04	0.07	0.0 219,218,0	0.11	8.04e-04	8.04e-04218,228,228			1.00	0.04	0.96
1286	0.0	0.16	0.0 0,100,0	0.02	6.51e-03	0.02218,233,231	0.10	218	0.0	0.0	0.0
	0.04	0.07	0.0 219,218,0	0.02	8.04e-04	8.04e-04218,228,228			1.00	0.04	0.96
2767	0.13	0.11	0.0 219,218,0	0.03	3.49e-03	0.01218,232,218	0.12	218	0.87	0.06	0.94
	2.29e-03	1.59e-03	0.0 47,238,0	0.03	1.89e-03	1.89e-03218,227,227			1.00	0.04	0.96
2768	0.13	0.11	0.0 219,218,0	0.03	3.49e-03	0.01218,232,218	0.12	218	0.87	0.06	0.94
	2.29e-03	1.59e-03	0.0 47,238,0	0.03	1.89e-03	1.89e-03218,227,227			1.00	0.04	0.96
2770	0.10	0.09	0.0 219,218,0	0.02	2.83e-03	0.01218,225,230	0.11	218	0.87	0.06	0.94
	1.53e-03	1.21e-03	0.0 231,230,0	0.02	9.76e-04	9.76e-04218,225,225			1.00	0.04	0.96
2771	0.08	0.07	0.0 219,218,0	0.02	9.70e-04	8.38e-03218,226,218	0.11	218	0.87	0.06	0.94
	1.09e-03	9.34e-04	0.0 230,231,0	0.02	7.50e-04	7.50e-04218,225,225			1.00	0.04	0.96
2773	0.06	0.05	0.0 219,218,0	0.02	2.30e-03	8.25e-03219,226,230	0.12	219	0.87	0.06	0.94
	1.52e-03	1.49e-03	0.0 218,224,0	0.02	7.36e-04	7.36e-04219,228,228			1.00	0.04	0.96
2774	0.03	0.03	0.0 231,218,0	0.03	3.72e-03	7.91e-03219,226,226	0.13	219	0.87	0.06	0.94
	2.87e-03	2.40e-03	0.0 226,227,0	0.03	1.52e-03	1.52e-03219,228,228			1.00	0.04	0.96
2776	0.03	0.03	0.0 218,219,0	0.03	4.08e-03	7.29e-03219,227,226	0.13	219	0.87	0.06	0.94
	4.90e-03	3.82e-03	0.0 227,226,0	0.03	2.14e-03	2.14e-03219,228,228			1.00	0.04	0.96
2777	0.03	0.03	0.0 218,218,0	0.03	5.13e-03	8.28e-03219,226,230	0.14	219	0.87	0.06	0.94
	4.90e-03	3.82e-03	0.0 227,226,0	0.03	3.32e-03	3.32e-03219,228,228			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.15	0.32	0.0	0.19	0.02	0.04	0.34

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
36	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.38	3.7	208	0.43	4.2	204	0.19	-1366.3	3.351e+04	219

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
489	0.02	0.05	0.0	218,219,0	5.39e-03	0.03	0.04	240,222,218	0.06	240	0.87	0.06	0.94
	0.03	0.02	0.0	236,233,0	5.41e-03	0.02	0.02	240,237,237			1.00	0.04	0.96
490	0.02	0.05	0.0	218,219,0	5.39e-03	0.03	0.04	240,222,218	0.06	240	0.87	0.06	0.94
	0.03	0.02	0.0	236,233,0	5.41e-03	0.02	0.02	240,237,237			1.00	0.04	0.96
1192	0.02	0.05	0.0	218,219,0	5.91e-03	0.03	0.04	236,222,218	0.06	236	0.87	0.06	0.94
	0.03	0.02	0.0	236,233,0	5.91e-03	0.02	0.02	236,237,237			1.00	0.04	0.96
1194	0.0	0.04	0.0	0,100,0	5.99e-03	9.24e-03	0.02	236,221,221	0.06	236	0.0	0.0	0.0
	2.29e-03	3.69e-03	0.0	238,239,0	5.99e-03	3.99e-03	3.99e-03	236,224,224			1.00	0.04	0.96
1196	0.0	0.04	0.0	0,100,0	6.03e-03	4.17e-03	7.21e-03	236,221,224	0.06	236	0.0	0.0	0.0
	1.79e-03	1.76e-03	0.0	222,223,0	6.03e-03	1.79e-03	1.79e-03	236,218,218			1.00	0.04	0.96
1216	7.15e-03	0.04	0.0	226,100,0	6.15e-03	2.68e-03	5.94e-03	236,221,100	0.06	236	0.87	0.06	0.94
	1.79e-03	1.76e-03	0.0	222,223,0	6.15e-03	1.79e-03	1.79e-03	236,218,218			1.00	0.04	0.96
1218	0.02	0.04	0.0	228,233,0	6.52e-03	1.97e-03	5.89e-03	236,221,100	0.06	236	0.87	0.06	0.94
	1.85e-03	2.33e-03	0.0	224,100,0	6.52e-03	2.60e-03	2.60e-03	236,100,100			1.00	0.04	0.96
1232	0.03	0.04	0.0	236,233,0	7.24e-03	4.01e-03	7.01e-03	236,218,100	0.07	236	0.87	0.06	0.94
	1.85e-03	4.01e-03	0.0	224,100,0	7.24e-03	2.60e-03	2.60e-03	236,100,100			1.00	0.04	0.96
1234	0.03	0.04	0.0	236,233,0	7.24e-03	4.01e-03	7.01e-03	236,218,100	0.07	236	0.87	0.06	0.94
	0.0	4.01e-03	0.0	0,100,0	7.24e-03	1.51e-03	1.51e-03	236,228,228			0.0	0.0	0.0
1287	0.02	0.05	0.0	218,219,0	5.91e-03	0.03	0.04	236,222,218	0.06	236	0.87	0.06	0.94
	0.03	0.02	0.0	236,233,0	5.91e-03	0.02	0.02	236,237,237			1.00	0.04	0.96
1288	0.0	0.04	0.0	0,100,0	5.99e-03	9.24e-03	0.02	236,221,221	0.06	236	0.0	0.0	0.0
	2.29e-03	3.69e-03	0.0	238,239,0	5.99e-03	3.99e-03	3.99e-03	236,224,224			1.00	0.04	0.96
1289	0.0	0.04	0.0	0,100,0	6.03e-03	4.17e-03	7.21e-03	236,221,224	0.06	236	0.0	0.0	0.0
	1.79e-03	1.76e-03	0.0	222,223,0	6.03e-03	1.79e-03	1.79e-03	236,218,218			1.00	0.04	0.96
1290	7.15e-03	0.04	0.0	226,100,0	6.15e-03	2.68e-03	5.94e-03	236,221,100	0.06	236	0.87	0.06	0.94
	1.79e-03	1.76e-03	0.0	222,223,0	6.15e-03	1.79e-03	1.79e-03	236,218,218			1.00	0.04	0.96
1291	0.02	0.04	0.0	228,233,0	6.52e-03	1.97e-03	5.89e-03	236,221,100	0.06	236	0.87	0.06	0.94
	1.85e-03	2.33e-03	0.0	224,100,0	6.52e-03	2.60e-03	2.60e-03	236,100,100			1.00	0.04	0.96
1292	0.03	0.04	0.0	236,233,0	7.24e-03	4.01e-03	7.01e-03	236,218,100	0.07	236	0.87	0.06	0.94
	1.85e-03	4.01e-03	0.0	224,100,0	7.24e-03	2.60e-03	2.60e-03	236,100,100			1.00	0.04	0.96
1293	0.03	0.04	0.0	236,233,0	7.24e-03	4.01e-03	7.01e-03	236,218,100	0.07	236	0.87	0.06	0.94
	0.0	4.01e-03	0.0	0,100,0	7.24e-03	1.51e-03	1.51e-03	236,228,228			0.0	0.0	0.0

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.03	0.05	0.0	7.24e-03	0.03	0.04	0.07

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
37	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	NV

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
NV	1.11	146.0	186	0.67	-88.2	187	0.70	-4375.3	2.481e+06	240

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
458	0.03	0.09	0.0	218,219,0	0.14	3.57e-03	0.01	218,240,224	0.29	218	0.87	0.06	0.94
	0.01	9.70e-03	0.0	217,220,0	0.14	5.92e-03	5.92e-03	218,219,219			1.00	0.04	0.96
532	0.10	0.11	0.0	236,233,0	0.11	0.03	0.04	218,225,225	0.25	218	0.87	0.06	0.94
	0.03	0.02	0.0	225,225,0	0.11	0.03	0.03	218,225,225			1.00	0.04	0.96
546	0.10	0.11	0.0	236,233,0	0.11	0.02	0.04	218,225,225	0.25	218	0.87	0.06	0.94
	0.03	0.02	0.0	225,225,0	0.11	0.03	0.03	218,225,225			1.00	0.04	0.96
628	0.09	0.11	0.0	228,233,0	0.11	0.02	0.04	218,225,225	0.25	218	0.87	0.06	0.94

	0.03	0.02	0.0	225,225,0	0.11	0.03	0.03218,225,225			1.00	0.04	0.96
630	0.06	0.07	0.0	236,233,0	0.10	0.02	0.03218,225,225	0.25	218	0.87	0.06	0.94
	0.01	0.01	0.0	228,225,0	0.10	0.01	0.01218,225,225			1.00	0.04	0.96
648	0.02	0.04	0.0	240,237,0	0.09	0.01	0.02219,225,225	0.23	219	0.87	0.06	0.94
	7.71e-03	7.75e-03	0.0	236,233,0	0.09	3.57e-03	3.57e-03219,236,236			1.00	0.04	0.96
652	0.09	0.10	0.0	240,237,0	0.13	0.03	0.04218,225,225	0.28	218	0.87	0.06	0.94
	0.03	0.02	0.0	225,228,0	0.13	8.00e-03	8.00e-03218,225,225			1.00	0.04	0.96
654	0.03	0.07	0.0	240,237,0	0.14	8.23e-03	0.02219,233,233	0.29	219	0.87	0.06	0.94
	0.03	0.02	0.0	225,228,0	0.14	3.54e-03	3.54e-03219,225,225			1.00	0.04	0.96
656	8.77e-03	0.05	0.0	240,100,0	0.15	3.83e-03	8.40e-03 219,44,44	0.30	219	0.87	0.06	0.94
	0.02	0.02	0.0	225,228,0	0.15	4.80e-03	4.80e-03 219,42,42			1.00	0.04	0.96
658	0.0	0.06	0.0	0,100,0	0.16	3.83e-03	9.00e-03 219,44,44	0.31	219	0.0	0.0	0.0
	0.04	0.03	0.0	44,44,0	0.16	0.02	0.02 219,44,44			1.00	0.04	0.96
660	0.0	0.06	0.0	0,100,0	0.16	3.70e-03	9.00e-03 219,44,44	0.31	219	0.0	0.0	0.0
	0.04	0.03	0.0	44,44,0	0.16	0.02	0.02 219,44,44			1.00	0.04	0.96
662	0.0	0.08	0.0	0,100,0	0.15	3.19e-03	0.01 218,44,28	0.30	218	0.0	0.0	0.0
	0.03	0.03	0.0	45,45,0	0.15	0.01	0.01 218,45,45			1.00	0.04	0.96
664	0.03	0.05	0.0	225,228,0	0.07	9.18e-03	0.02219,225,228	0.20	219	0.87	0.06	0.94
	0.01	0.01	0.0	236,225,0	0.07	4.21e-03	4.21e-03219,236,236			1.00	0.04	0.96
666	0.03	0.09	0.0	218,219,0	0.09	3.57e-03	0.01221,240,224	0.23	221	0.87	0.06	0.94
	5.82e-03	5.15e-03	0.0	217,220,0	0.09	2.80e-03	2.80e-03221,231,231			1.00	0.04	0.96
1214	0.03	0.05	0.0	225,228,0	0.07	8.16e-03	0.02231,228,228	0.20	231	0.87	0.06	0.94
	0.01	0.01	0.0	236,225,0	0.07	4.21e-03	4.21e-03231,236,236			1.00	0.04	0.96
1294	0.03	0.09	0.0	218,219,0	0.15	3.57e-03	0.01218,240,224	0.30	218	0.87	0.06	0.94
	0.01	9.70e-03	0.0	217,220,0	0.15	6.72e-03	6.72e-03 218,18,18			1.00	0.04	0.96
1295	0.10	0.11	0.0	236,233,0	0.14	0.03	0.04218,225,225	0.28	218	0.87	0.06	0.94
	0.06	0.04	0.0	225,225,0	0.14	0.03	0.03218,225,225			1.00	0.04	0.96
1296	5.74e-04	0.08	0.0	218,100,0	0.15	2.33e-03	0.01218,235,100	0.30	218	0.87	0.06	0.94
	9.91e-03	8.81e-03	0.0	224,221,0	0.15	6.72e-03	6.72e-03 218,18,18			1.00	0.04	0.96
1297	0.10	0.11	0.0	236,233,0	0.14	0.02	0.04218,225,225	0.28	218	0.87	0.06	0.94
	0.06	0.05	0.0	228,225,0	0.14	0.03	0.03218,225,225			1.00	0.04	0.96
1298	0.0	0.09	0.0	0,100,0	0.16	2.86e-03	0.01218,219,237	0.30	218	0.0	0.0	0.0
	0.02	0.02	0.0	221,224,0	0.16	5.07e-03	5.07e-03 218,18,18			1.00	0.04	0.96
1299	0.09	0.11	0.0	228,233,0	0.13	0.02	0.04218,225,225	0.28	218	0.87	0.06	0.94
	0.06	0.05	0.0	228,225,0	0.13	0.03	0.03218,225,225			1.00	0.04	0.96
1300	0.04	0.07	0.0	240,237,0	0.15	8.23e-03	0.02218,233,233	0.30	218	0.87	0.06	0.94
	0.06	0.04	0.0	225,225,0	0.15	7.21e-03	7.21e-03218,225,225			1.00	0.04	0.96
1301	0.04	0.07	0.0	240,237,0	0.15	2.87e-03	0.01218,225,233	0.30	218	0.87	0.06	0.94
	0.06	0.05	0.0	228,225,0	0.15	7.21e-03	7.21e-03218,225,225			1.00	0.04	0.96
1302	0.04	0.07	0.0	236,233,0	0.15	4.49e-03	0.01218,225,233	0.29	218	0.87	0.06	0.94
	0.06	0.05	0.0	228,225,0	0.15	6.89e-03	6.89e-03218,228,228			1.00	0.04	0.96
1303	8.77e-03	0.05	0.0	240,100,0	0.16	3.83e-03	8.40e-03 219,44,44	0.30	219	0.87	0.06	0.94
	0.04	0.03	0.0	225,225,0	0.16	7.57e-03	7.57e-03219,228,228			1.00	0.04	0.96
1304	6.68e-03	0.05	0.0	240,100,0	0.16	1.36e-03	6.50e-03219,231,100	0.30	219	0.87	0.06	0.94
	0.05	0.04	0.0	228,225,0	0.16	9.24e-03	9.24e-03219,228,228			1.00	0.04	0.96
1305	5.58e-03	0.05	0.0	240,100,0	0.16	9.93e-04	6.70e-03219,218,100	0.30	219	0.87	0.06	0.94
	0.05	0.04	0.0	228,225,0	0.16	9.24e-03	9.24e-03219,228,228			1.00	0.04	0.96
1306	0.0	0.06	0.0	0,100,0	0.16	3.83e-03	9.00e-03 219,44,44	0.31	219	0.0	0.0	0.0
	0.04	0.03	0.0	44,44,0	0.16	0.02	0.02 219,44,44			1.00	0.04	0.96
1307	0.0	0.06	0.0	0,100,0	0.16	1.73e-03	7.42e-03219,225,100	0.31	219	0.0	0.0	0.0
	0.03	0.02	0.0	44,225,0	0.16	0.01	0.01219,228,228			1.00	0.04	0.96
1308	0.0	0.06	0.0	0,100,0	0.16	1.29e-03	8.22e-03219,225,100	0.31	219	0.0	0.0	0.0
	0.03	0.03	0.0	228,225,0	0.16	0.01	0.01219,228,228			1.00	0.04	0.96
1309	0.0	0.06	0.0	0,100,0	0.16	3.70e-03	9.00e-03 219,44,44	0.31	219	0.0	0.0	0.0
	0.04	0.03	0.0	44,44,0	0.16	0.02	0.02 219,44,44			1.00	0.04	0.96
1310	0.0	0.06	0.0	0,100,0	0.16	1.87e-03	7.58e-03219,231,100	0.31	219	0.0	0.0	0.0
	0.03	0.02	0.0	44,44,0	0.16	0.01	0.01219,228,228			1.00	0.04	0.96
1311	0.0	0.06	0.0	0,100,0	0.16	1.88e-03	8.37e-03219,233,100	0.31	219	0.0	0.0	0.0
	0.02	0.02	0.0	220,44,0	0.16	0.01	0.01219,228,228			1.00	0.04	0.96
1312	0.0	0.08	0.0	0,100,0	0.15	3.19e-03	0.01 218,44,28	0.30	218	0.0	0.0	0.0
	0.03	0.03	0.0	45,45,0	0.15	0.01	0.01 218,45,45			1.00	0.04	0.96
1313	0.0	0.08	0.0	0,100,0	0.15	2.32e-03	9.58e-03218,231,100	0.30	218	0.0	0.0	0.0
	0.02	0.02	0.0	45,45,0	0.15	6.74e-03	6.74e-03 218,45,45			1.00	0.04	0.96
1314	0.0	0.08	0.0	0,100,0	0.16	2.32e-03	9.67e-03218,231,100	0.30	218	0.0	0.0	0.0
	0.02	0.02	0.0	224,218,0	0.16	5.07e-03	5.07e-03 218,18,18			1.00	0.04	0.96
1318	0.03	0.09	0.0	218,219,0	0.09	3.57e-03	0.01221,240,224	0.23	221	0.87	0.06	0.94
	5.82e-03	5.15e-03	0.0	217,220,0	0.09	3.00e-03	3.00e-03221,231,231			1.00	0.04	0.96
1319	5.74e-04	0.08	0.0	218,100,0	0.08	2.33e-03	0.01221,235,100	0.22	221	0.87	0.06	0.94
	8.45e-03	6.97e-03	0.0	219,218,0	0.08	3.00e-03	3.00e-03221,231,231			1.00	0.04	0.96
1320	0.0	0.09	0.0	0,100,0	0.09	2.86e-03	0.01221,219,237	0.23	221	0.0	0.0	0.0
	0.02	0.02	0.0	221,224,0	0.09	3.67e-03	3.67e-03221,218,218			1.00	0.04	0.96
1321	0.02	0.10	0.0	240,237,0	0.19	3.45e-03	0.01221,219,237	0.33	221	0.87	0.06	0.94
	0.12	0.10	0.0	224,221,0	0.19	5.75e-03	5.75e-03221,221,221			1.00	0.04	0.96
1322	0.06	0.07	0.0	236,233,0	0.13	0.02	0.03219,225,225	0.27	219	0.87	0.06	0.94
	0.04	0.03	0.0	228,225,0	0.13	0.01	0.01219,225,225			1.00	0.04	0.96

1323	0.02	0.10	0.0	240,237,0	0.19	3.45e-03	0.01221,219,237	0.33	221	0.87	0.06	0.94
	0.18	0.15	0.0	224,221,0	0.19	0.01	0.01221,221,221			1.00	0.04	0.96
1324	0.02	0.05	0.0	240,237,0	0.11	0.01	0.02219,225,225	0.25	219	0.87	0.06	0.94
	0.02	0.02	0.0	232,229,0	0.11	5.80e-03	5.80e-03219,225,225			1.00	0.04	0.96
1325	0.03	0.06	0.0	236,237,0	0.14	4.54e-03	0.01219,225,233	0.29	219	0.87	0.06	0.94
	0.04	0.03	0.0	228,225,0	0.14	5.50e-03	5.50e-03219,225,225			1.00	0.04	0.96
1326	0.02	0.05	0.0	240,237,0	0.12	4.54e-03	0.01219,225,233	0.27	219	0.87	0.06	0.94
	0.03	0.03	0.0	224,221,0	0.12	5.80e-03	5.80e-03219,225,225			1.00	0.04	0.96
1327	3.42e-03	0.05	0.0	240,100,0	0.15	9.93e-04	6.70e-03219,218,100	0.30	219	0.87	0.06	0.94
	0.04	0.04	0.0	224,221,0	0.15	7.67e-03	7.67e-03219,228,228			1.00	0.04	0.96
1328	0.0	0.05	0.0	0,100,0	0.13	1.38e-03	7.10e-03219,44,100	0.28	219	0.0	0.0	0.0
	0.05	0.04	0.0	224,221,0	0.13	4.71e-03	4.71e-03219,230,230			1.00	0.04	0.96
1329	0.0	0.06	0.0	0,100,0	0.16	1.26e-03	8.50e-03219,100,100	0.31	219	0.0	0.0	0.0
	0.05	0.05	0.0	224,221,0	0.16	0.01	0.01219,228,228			1.00	0.04	0.96
1330	0.0	0.06	0.0	0,100,0	0.15	1.38e-03	8.53e-03219,44,100	0.29	219	0.0	0.0	0.0
	0.07	0.07	0.0	224,221,0	0.15	9.47e-03	9.47e-03219,230,230			1.00	0.04	0.96
1331	0.0	0.06	0.0	0,100,0	0.16	1.88e-03	8.50e-03219,233,100	0.31	219	0.0	0.0	0.0
	0.08	0.06	0.0	224,221,0	0.16	0.01	0.01219,228,228			1.00	0.04	0.96
1332	0.0	0.06	0.0	0,100,0	0.15	1.06e-03	8.53e-03219,218,100	0.29	219	0.0	0.0	0.0
	0.10	0.08	0.0	224,221,0	0.15	0.01	0.01219,224,224			1.00	0.04	0.96
1333	0.0	0.08	0.0	0,100,0	0.17	2.22e-03	9.83e-03218,231,100	0.31	218	0.0	0.0	0.0
	0.10	0.09	0.0	224,221,0	0.17	6.48e-03	6.48e-03218,224,224			1.00	0.04	0.96
1334	0.0	0.08	0.0	0,100,0	0.17	1.59e-03	9.83e-03218,237,100	0.31	218	0.0	0.0	0.0
	0.14	0.12	0.0	224,221,0	0.17	0.01	0.01218,221,221			1.00	0.04	0.96
1337	0.02	0.10	0.0	240,237,0	0.19	3.45e-03	0.01221,219,237	0.33	221	0.87	0.06	0.94
	0.12	0.10	0.0	224,221,0	0.19	4.90e-03	4.90e-03221,240,240			1.00	0.04	0.96
1338	0.02	0.10	0.0	240,237,0	0.19	3.45e-03	0.01221,219,237	0.33	221	0.87	0.06	0.94
	0.18	0.15	0.0	224,221,0	0.19	6.74e-03	6.74e-03221,221,221			1.00	0.04	0.96
1339	0.02	0.09	0.0	240,237,0	0.06	7.02e-03	0.02218,227,229	0.19	218	0.87	0.06	0.94
	0.18	0.15	0.0	224,221,0	0.06	0.01	0.01218,221,221			1.00	0.04	0.96
1340	0.03	0.05	0.0	225,237,0	0.08	9.18e-03	0.02219,225,228	0.22	219	0.87	0.06	0.94
	0.02	0.02	0.0	224,221,0	0.08	5.80e-03	5.80e-03219,225,225			1.00	0.04	0.96
1341	0.02	0.08	0.0	240,237,0	0.03	7.02e-03	0.02218,227,229	0.13	218	0.87	0.06	0.94
	0.04	0.04	0.0	224,221,0	0.03	2.81e-03	2.81e-03218,221,221			1.00	0.04	0.96
1342	9.09e-03	0.04	0.0	240,233,0	0.07	5.64e-03	0.01219,228,225	0.20	219	0.87	0.06	0.94
	8.65e-03	8.23e-03	0.0	223,222,0	0.07	4.02e-03	4.02e-03219,225,225			1.00	0.04	0.96
1343	0.02	0.05	0.0	232,237,0	0.09	2.02e-03	6.56e-03219,228,229	0.23	219	0.87	0.06	0.94
	0.03	0.03	0.0	224,221,0	0.09	5.80e-03	5.80e-03219,225,225			1.00	0.04	0.96
1344	9.09e-03	0.04	0.0	240,100,0	0.07	2.02e-03	6.07e-03219,228,225	0.21	219	0.87	0.06	0.94
	0.01	0.01	0.0	224,221,0	0.07	3.36e-03	3.36e-03219,236,236			1.00	0.04	0.96
1345	0.0	0.05	0.0	0,100,0	0.10	2.09e-03	7.37e-03219,44,100	0.24	219	0.0	0.0	0.0
	0.05	0.04	0.0	224,221,0	0.10	3.99e-03	3.99e-03219,233,233			1.00	0.04	0.96
1346	0.0	0.05	0.0	0,100,0	0.08	2.09e-03	7.37e-03219,44,100	0.21	219	0.0	0.0	0.0
	0.02	0.02	0.0	224,221,0	0.08	1.11e-03	1.11e-03219,218,218			1.00	0.04	0.96
1347	0.0	0.06	0.0	0,100,0	0.10	3.60e-03	0.01219,100,100	0.24	219	0.0	0.0	0.0
	0.07	0.07	0.0	224,221,0	0.10	7.81e-03	7.81e-03219,230,230			1.00	0.04	0.96
1348	0.0	0.06	0.0	0,100,0	0.08	3.60e-03	0.01219,100,100	0.21	219	0.0	0.0	0.0
	0.03	0.03	0.0	224,221,0	0.08	3.11e-03	3.11e-03219,230,230			1.00	0.04	0.96
1349	0.0	0.06	0.0	0,100,0	0.10	4.01e-03	0.01219,225,100	0.24	219	0.0	0.0	0.0
	0.10	0.08	0.0	224,221,0	0.10	0.01	0.01219,224,224			1.00	0.04	0.96
1350	0.0	0.06	0.0	0,100,0	0.07	4.01e-03	0.01219,225,100	0.21	219	0.0	0.0	0.0
	0.04	0.03	0.0	224,221,0	0.07	3.11e-03	3.11e-03219,230,230			1.00	0.04	0.96
1351	0.0	0.07	0.0	0,100,0	0.07	4.92e-03	0.01218,227,227	0.20	218	0.0	0.0	0.0
	0.14	0.12	0.0	224,221,0	0.07	0.01	0.01218,221,221			1.00	0.04	0.96
1352	0.0	0.07	0.0	0,100,0	0.04	4.92e-03	0.01219,227,227	0.16	219	0.0	0.0	0.0
	0.04	0.04	0.0	224,221,0	0.04	3.00e-03	3.00e-03219,224,224			1.00	0.04	0.96
1355	0.02	0.09	0.0	240,237,0	0.03	7.02e-03	0.02221,227,229	0.14	221	0.87	0.06	0.94
	0.18	0.15	0.0	224,221,0	0.03	6.74e-03	6.74e-03221,221,221			1.00	0.04	0.96
1356	0.02	0.08	0.0	240,237,0	0.03	7.02e-03	0.02221,227,229	0.12	221	0.87	0.06	0.94
	0.04	0.04	0.0	224,221,0	0.03	1.77e-03	1.77e-03221,218,218			1.00	0.04	0.96
1380	0.09	0.10	0.0	240,237,0	0.10	0.03	0.04218,225,225	0.25	218	0.87	0.06	0.94
	0.02	0.01	0.0	225,228,0	0.10	8.00e-03	8.00e-03218,225,225			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.18	0.15	0.0	0.19	0.03	0.04	0.33

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
38	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	

ok	0.83	13.2	196	0.50	8.1	196	0.63	1.045e+04	-1.630e+05	225

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
507	0.17	0.17	0.0	225,228,0	0.08	0.03	0.03	228,45,44	0.21	228	0.85	0.06	0.94
	7.10e-03	8.64e-03	0.0	45,44,0	0.08	0.02	0.02	228,44,44			1.00	0.04	0.96
508	0.17	0.17	0.0	225,228,0	0.08	0.03	0.03	228,45,44	0.21	228	0.85	0.06	0.94
	7.10e-03	8.64e-03	0.0	45,44,0	0.08	0.02	0.02	228,44,44			1.00	0.04	0.96
509	0.15	0.15	0.0	225,228,0	0.06	0.02	0.03	228,45,44	0.19	228	0.85	0.06	0.94
	4.11e-03	3.94e-03	0.0	225,228,0	0.06	6.64e-03	6.64e-03	228,44,44			1.00	0.04	0.96
510	0.12	0.13	0.0	225,228,0	0.05	6.41e-03	0.03	228,45,44	0.17	228	0.85	0.06	0.94
	3.60e-03	3.47e-03	0.0	45,44,0	0.05	6.95e-03	6.95e-03	228,44,44			1.00	0.04	0.96
517	0.17	0.17	0.0	225,228,0	0.08	0.03	0.03	228,45,44	0.21	228	0.85	0.06	0.94
	7.10e-03	8.64e-03	0.0	45,44,0	0.08	0.02	0.02	228,44,44			1.00	0.04	0.96
518	0.17	0.17	0.0	225,228,0	0.08	0.03	0.03	228,45,44	0.21	228	0.85	0.06	0.94
	7.10e-03	8.64e-03	0.0	45,44,0	0.08	0.02	0.02	228,44,44			1.00	0.04	0.96
527	0.10	0.11	0.0	225,228,0	0.04	9.94e-03	0.03	228,44,44	0.15	228	0.85	0.06	0.94
	3.64e-03	3.15e-03	0.0	45,44,0	0.04	6.95e-03	6.95e-03	228,44,44			1.00	0.04	0.96
528	0.08	0.10	0.0	225,236,0	0.04	0.02	0.03	228,45,44	0.14	228	0.85	0.06	0.94
	3.64e-03	3.15e-03	0.0	45,44,0	0.04	6.35e-03	6.35e-03	228,44,44			1.00	0.04	0.96
541	0.07	0.09	0.0	233,236,0	0.03	0.03	0.03	228,45,44	0.14	228	0.85	0.06	0.94
	0.02	0.01	0.0	45,47,0	0.03	6.96e-03	6.96e-03	228,44,44			1.00	0.04	0.96
542	0.05	0.07	0.0	233,236,0	0.03	0.03	0.03	228,45,44	0.13	228	0.85	0.06	0.94
	0.02	0.01	0.0	45,47,0	0.03	6.96e-03	6.96e-03	228,44,44			1.00	0.04	0.96
545	0.15	0.15	0.0	225,228,0	0.06	0.02	0.03	228,45,44	0.19	228	0.85	0.06	0.94
	4.11e-03	3.94e-03	0.0	225,228,0	0.06	6.64e-03	6.64e-03	228,44,44			1.00	0.04	0.96
627	0.12	0.13	0.0	225,228,0	0.05	6.41e-03	0.03	228,45,44	0.17	228	0.85	0.06	0.94
	3.60e-03	3.47e-03	0.0	45,44,0	0.05	6.95e-03	6.95e-03	228,44,44			1.00	0.04	0.96
629	0.10	0.11	0.0	225,228,0	0.04	9.94e-03	0.03	228,44,44	0.15	228	0.85	0.06	0.94
	3.64e-03	3.15e-03	0.0	45,44,0	0.04	6.95e-03	6.95e-03	228,44,44			1.00	0.04	0.96
647	0.08	0.10	0.0	225,236,0	0.04	0.02	0.03	228,45,44	0.14	228	0.85	0.06	0.94
	3.64e-03	3.15e-03	0.0	45,44,0	0.04	6.35e-03	6.35e-03	228,44,44			1.00	0.04	0.96
663	0.07	0.09	0.0	233,236,0	0.03	0.03	0.03	228,45,44	0.14	228	0.85	0.06	0.94
	0.02	0.01	0.0	45,47,0	0.03	6.96e-03	6.96e-03	228,44,44			1.00	0.04	0.96
1213	0.05	0.07	0.0	233,236,0	0.03	0.03	0.03	228,45,44	0.13	228	0.85	0.06	0.94
	0.02	0.01	0.0	45,47,0	0.03	6.96e-03	6.96e-03	228,44,44			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.17	0.17	0.0	0.08	0.03	0.03	0.21

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
39	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.75	-9.7	195	0.63	-8.2	203	0.25	-977.4	-5.854e+04	230

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
458	0.05	0.09	0.0	218,219,0	0.05	0.04	0.06	227,217,217	0.17	227	0.87	0.06	0.94
	7.86e-03	0.01	0.0	221,224,0	0.05	0.01	0.01	227,224,224			1.00	0.04	0.96
472	0.05	0.10	0.0	218,100,0	0.05	0.04	0.06	227,217,217	0.17	227	0.87	0.06	0.94
	7.86e-03	0.01	0.0	221,224,0	0.05	0.01	0.01	227,224,224			1.00	0.04	0.96
474	0.0	0.10	0.0	0,100,0	6.16e-03	4.42e-03	0.02	227,218,219	0.06	227	0.0	0.0	0.0
	2.95e-03	9.97e-03	0.0	221,224,0	6.15e-03	2.34e-03	2.34e-03	227,224,224			1.00	0.04	0.96
1294	0.05	0.09	0.0	218,219,0	0.05	0.04	0.06	227,217,217	0.17	227	0.87	0.06	0.94
	7.86e-03	0.01	0.0	221,224,0	0.05	0.01	0.01	227,224,224			1.00	0.04	0.96
1296	6.43e-03	0.08	0.0	230,100,0	0.04	0.01	0.02	227,218,219	0.15	227	0.87	0.06	0.94
	0.01	8.49e-03	0.0	221,217,0	0.04	8.46e-03	8.46e-03	227,221,221			1.00	0.04	0.96
1298	0.0	0.08	0.0	0,100,0	0.03	0.01	0.02	227,221,221	0.14	227	0.0	0.0	0.0
	0.01	8.49e-03	0.0	221,217,0	0.03	0.01	0.01	227,221,221			1.00	0.04	0.96
1321	0.02	0.08	0.0	218,100,0	0.03	0.03	0.04	227,221,221	0.14	227	0.87	0.06	0.94
	0.02	0.01	0.0	221,221,0	0.03	0.01	0.01	227,221,221			1.00	0.04	0.96
1323	0.02	0.08	0.0	218,100,0	0.03	0.03	0.04	227,221,221	0.13	227	0.87	0.06	0.94
	0.03	0.02	0.0	221,221,0	0.03	0.03	0.03	227,221,221			1.00	0.04	0.96
1339	0.02	0.08	0.0	218,100,0	0.03	0.02	0.03	227,221,221	0.13	227	0.87	0.06	0.94
	0.03	0.02	0.0	221,221,0	0.03	0.03	0.03	227,221,221			1.00	0.04	0.96
1341	0.0	0.07	0.0	0,100,0	0.03	0.02	0.03	227,221,221	0.13	227	0.0	0.0	0.0
	4.72e-03	8.46e-03	0.0	221,224,0	0.03	3.42e-03	3.42e-03	227,221,221			1.00	0.04	0.96

1384	0.0	0.10	0.0	0,100,0	7.31e-03	4.42e-03	0.02227,218,219	0.07	227	0.0	0.0	0.0
	4.01e-03	9.97e-03	0.0	219,224,0	7.31e-03	2.92e-03	2.92e-03227,218,218			1.00	0.04	0.96
1385	0.05	0.10	0.0	218,100,0	0.05	0.04	0.06227,217,217	0.17	227	0.87	0.06	0.94
	7.86e-03	0.01	0.0	221,224,0	0.05	0.01	0.01227,224,224			1.00	0.04	0.96
1386	0.0	0.09	0.0	0,100,0	7.75e-03	4.90e-03	0.01227,221,224	0.07	227	0.0	0.0	0.0
	4.01e-03	4.67e-03	0.0	219,218,0	7.75e-03	3.38e-03	3.38e-03227,221,221			1.00	0.04	0.96
1387	6.43e-03	0.09	0.0	230,100,0	0.04	0.01	0.02227,218,219	0.15	227	0.87	0.06	0.94
	0.01	8.49e-03	0.0	221,217,0	0.04	8.46e-03	8.46e-03227,221,221			1.00	0.04	0.96
1388	0.0	0.08	0.0	0,100,0	7.78e-03	7.74e-03	0.02227,221,224	0.07	227	0.0	0.0	0.0
	2.20e-03	1.73e-03	0.0	221,224,0	7.77e-03	3.38e-03	3.38e-03227,221,221			1.00	0.04	0.96
1389	0.0	0.08	0.0	0,100,0	0.03	0.01	0.02227,221,224	0.14	227	0.0	0.0	0.0
	0.01	8.49e-03	0.0	221,217,0	0.03	0.01	0.01227,221,221			1.00	0.04	0.96
1390	0.01	0.08	0.0	221,100,0	7.78e-03	7.74e-03	0.02227,221,224	0.07	227	0.87	0.06	0.94
	2.21e-03	1.87e-03	0.0	237,240,0	7.77e-03	3.12e-03	3.12e-03227,221,221			1.00	0.04	0.96
1391	0.02	0.08	0.0	218,100,0	0.03	0.03	0.04227,221,221	0.14	227	0.87	0.06	0.94
	0.02	0.01	0.0	221,221,0	0.03	0.01	0.01227,221,221			1.00	0.04	0.96
1392	0.02	0.07	0.0	237,100,0	7.79e-03	6.13e-03	0.02235,221,224	0.07	235	0.87	0.06	0.94
	2.21e-03	2.70e-03	0.0	237,224,0	7.79e-03	5.08e-03	5.08e-03235,221,221			1.00	0.04	0.96
1393	0.02	0.08	0.0	237,100,0	0.03	0.03	0.04227,221,221	0.13	227	0.87	0.06	0.94
	0.03	0.02	0.0	221,221,0	0.03	0.03	0.03227,221,221			1.00	0.04	0.96
1394	0.03	0.07	0.0	233,236,0	7.79e-03	0.02	0.02235,221,224	0.07	235	0.87	0.06	0.94
	2.19e-03	5.79e-03	0.0	221,100,0	7.79e-03	5.08e-03	5.08e-03235,221,221			1.00	0.04	0.96
1395	0.03	0.08	0.0	233,100,0	0.03	0.02	0.03227,221,221	0.13	227	0.87	0.06	0.94
	0.03	0.02	0.0	221,221,0	0.03	0.03	0.03227,221,221			1.00	0.04	0.96
1396	0.03	0.07	0.0	233,236,0	7.75e-03	0.02	0.02235,221,224	0.07	239	0.87	0.06	0.94
	0.0	5.79e-03	0.0	0,100,0	7.74e-03	2.18e-03	2.18e-03239,224,224			0.0	0.0	0.0
1397	0.03	0.07	0.0	233,236,0	0.03	0.02	0.03227,221,221	0.13	227	0.87	0.06	0.94
	4.72e-03	8.46e-03	0.0	221,224,0	0.03	3.42e-03	3.42e-03227,221,221			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.05	0.10	0.0	0.05	0.04	0.06	0.17

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
40	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.41	27.7	198	0.72	-48.0	199	0.69	9291.8	-1.016e+06	231

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
452	0.17	0.16	0.0	231,230,0	0.03	0.02	0.03	226,46,42	0.13	226	0.87	0.06	0.94
	0.03	0.02	0.0	230,231,0	0.03	3.79e-03	3.79e-03	226,44,44			1.00	0.04	0.96
454	0.17	0.16	0.0	231,230,0	0.03	0.02	0.03	226,46,42	0.14	226	0.87	0.06	0.94
	0.03	0.02	0.0	230,231,0	0.03	3.79e-03	3.79e-03	226,44,44			1.00	0.04	0.96
456	0.10	0.11	0.0	224,221,0	0.03	0.04	0.06226,218,218		0.14	226	0.87	0.06	0.94
	0.01	0.01	0.0	45,44,0	0.03	3.89e-03	3.89e-03226,233,233				1.00	0.04	0.96
532	0.10	0.11	0.0	224,221,0	0.05	0.04	0.06230,218,218		0.18	230	0.87	0.06	0.94
	0.04	0.02	0.0	225,228,0	0.05	0.01	0.01	230,46,46			1.00	0.04	0.96
546	0.06	0.07	0.0	224,237,0	0.18	0.01	0.02231,218,221		0.33	231	0.87	0.06	0.94
	0.04	0.02	0.0	225,228,0	0.18	0.01	0.01	231,44,44			1.00	0.04	0.96
628	0.05	0.06	0.0	240,237,0	0.24	6.85e-03	0.01227,218,221		0.37	227	0.87	0.06	0.94
	0.03	0.02	0.0	225,228,0	0.24	0.01	0.01	227,44,44			1.00	0.04	0.96
630	0.03	0.05	0.0	224,221,0	0.24	4.85e-03	0.01227,221,221		0.38	227	0.87	0.06	0.94
	0.02	0.01	0.0	44,44,0	0.24	0.01	0.01	227,44,44			1.00	0.04	0.96
648	0.02	0.04	0.0	224,221,0	0.24	4.32e-03	0.01227,221,221		0.38	227	0.87	0.06	0.94
	0.02	0.01	0.0	228,225,0	0.24	0.01	0.01	227,44,44			1.00	0.04	0.96
664	0.01	0.02	0.0	229,218,0	0.22	9.68e-03	0.01227,221,221		0.36	227	0.87	0.06	0.94
	0.02	0.01	0.0	228,225,0	0.22	8.55e-03	8.55e-03	227,44,44			1.00	0.04	0.96
1214	0.01	0.02	0.0	229,230,0	0.13	9.68e-03	0.01227,221,221		0.28	227	0.87	0.06	0.94
	0.02	0.01	0.0	228,225,0	0.13	3.10e-03	3.10e-03	227,45,45			1.00	0.04	0.96
1380	0.10	0.11	0.0	224,221,0	0.03	0.04	0.06230,218,218		0.13	230	0.87	0.06	0.94
	3.48e-03	4.88e-03	0.0	233,236,0	0.03	3.89e-03	3.89e-03230,233,233				1.00	0.04	0.96
1398	0.10	0.11	0.0	224,221,0	0.05	0.04	0.06230,218,218		0.18	230	0.87	0.06	0.94
	0.10	0.06	0.0	225,228,0	0.05	0.01	0.01	230,46,46			1.00	0.04	0.96
1399	0.06	0.07	0.0	224,237,0	0.26	0.01	0.02225,218,44		0.39	225	0.87	0.06	0.94
	0.10	0.06	0.0	225,228,0	0.26	0.01	0.01	225,44,44			1.00	0.04	0.96
1400	0.05	0.06	0.0	240,237,0	0.30	6.85e-03	0.02225,218,42		0.42	225	0.87	0.06	0.94
	0.09	0.06	0.0	225,228,0	0.30	0.01	0.01	225,44,44			1.00	0.04	0.96
1401	0.17	0.16	0.0	231,230,0	0.05	0.02	0.03	226,46,42	0.17	226	0.87	0.06	0.94

	0.17	0.11	0.0 225,228,0	0.05	4.29e-03	4.29e-03 226,45,45			1.00	0.04	0.96
1402	0.21	0.18	0.0 231,230,0	0.26	0.02	0.02 225,44,44	0.39	225	0.87	0.06	0.94
	0.17	0.11	0.0 225,228,0	0.26	4.29e-03	4.29e-03 225,45,45			1.00	0.04	0.96
1403	0.21	0.18	0.0 231,230,0	0.30	0.01	0.02225,44,230	0.42	225	0.87	0.06	0.94
	0.15	0.09	0.0 225,228,0	0.30	4.65e-03	4.65e-03 225,44,44			1.00	0.04	0.96
1404	0.17	0.16	0.0 231,230,0	0.03	0.02	0.03 226,46,42	0.13	226	0.87	0.06	0.94
	0.17	0.11	0.0 225,228,0	0.03	4.29e-03	4.29e-03 226,45,45			1.00	0.04	0.96
1405	0.21	0.18	0.0 231,230,0	0.25	0.02	0.02225,44,230	0.38	225	0.87	0.06	0.94
	0.17	0.11	0.0 225,228,0	0.25	4.29e-03	4.29e-03 225,45,45			1.00	0.04	0.96
1406	0.21	0.18	0.0 231,230,0	0.25	0.01	0.02225,44,230	0.38	225	0.87	0.06	0.94
	0.15	0.09	0.0 225,228,0	0.25	4.65e-03	4.65e-03 225,44,44			1.00	0.04	0.96
1413	0.05	0.05	0.0 45,221,0	0.31	5.90e-03	0.02 225,45,42	0.43	225	0.87	0.06	0.94
	0.02	0.02	0.0 44,44,0	0.31	0.01	0.01 225,44,44			1.00	0.04	0.96
1414	0.04	0.04	0.0 45,218,0	0.31	0.01	0.02 225,45,42	0.43	225	0.87	0.06	0.94
	0.04	0.03	0.0 228,225,0	0.31	0.01	0.01 225,44,44			1.00	0.04	0.96
1415	0.16	0.14	0.0 231,230,0	0.31	0.01	0.02 225,42,42	0.43	225	0.87	0.06	0.94
	0.03	0.02	0.0 228,44,0	0.31	4.65e-03	4.65e-03 225,44,44			1.00	0.04	0.96
1416	0.12	0.10	0.0 227,226,0	0.31	0.02	0.04 225,44,41	0.43	225	0.87	0.06	0.94
	0.07	0.05	0.0 228,225,0	0.31	4.06e-03	4.06e-03 225,44,44			1.00	0.04	0.96
1417	0.16	0.14	0.0 231,230,0	0.15	0.01	0.02 225,42,25	0.30	225	0.87	0.06	0.94
	0.03	0.02	0.0 228,225,0	0.15	4.65e-03	4.65e-03 225,44,44			1.00	0.04	0.96
1418	0.12	0.10	0.0 227,226,0	0.14	0.02	0.04 225,44,41	0.29	225	0.87	0.06	0.94
	0.07	0.05	0.0 228,225,0	0.14	4.06e-03	4.06e-03 225,44,44			1.00	0.04	0.96
1423	0.03	0.03	0.0 45,218,0	0.31	0.02	0.02 225,45,42	0.43	225	0.87	0.06	0.94
	0.05	0.04	0.0 228,225,0	0.31	8.55e-03	8.55e-03 225,44,44			1.00	0.04	0.96
1424	0.02	0.02	0.0 219,218,0	0.16	0.02	0.02 225,45,42	0.31	225	0.87	0.06	0.94
	0.05	0.04	0.0 228,225,0	0.16	5.95e-03	5.95e-03 225,44,44			1.00	0.04	0.96
1425	0.07	0.06	0.0 231,230,0	0.31	0.03	0.04 225,44,41	0.43	225	0.87	0.06	0.94
	0.09	0.06	0.0 228,225,0	0.31	5.95e-03	5.95e-03 225,44,44			1.00	0.04	0.96
1426	0.04	0.03	0.0 231,230,0	0.16	0.03	0.04 225,44,42	0.31	225	0.87	0.06	0.94
	0.09	0.06	0.0 228,225,0	0.16	5.95e-03	5.95e-03 225,44,44			1.00	0.04	0.96
1427	0.07	0.06	0.0 231,230,0	0.14	0.03	0.04 225,44,41	0.29	225	0.87	0.06	0.94
	0.09	0.06	0.0 228,225,0	0.14	3.53e-03	3.53e-03 225,44,44			1.00	0.04	0.96
1428	0.04	0.03	0.0 231,230,0	0.02	0.03	0.04 225,44,42	0.11	225	0.87	0.06	0.94
	0.09	0.06	0.0 228,225,0	0.02	1.46e-03	1.46e-03 225,44,44			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.21	0.18	0.0	0.31	0.04	0.06	0.43

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
41	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.52	-70.8	193	0.97	-133.5	193	0.91	-2236.7	-4.704e+06	231

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
384	0.20	0.22	0.0	225,228,0	0.02	0.02	0.03	228,43,44	0.12	228	0.87	0.06	0.94
	0.02	0.01	0.0	226,227,0	0.02	1.17e-03	1.17e-03	228,47,47			1.00	0.04	0.96
386	0.20	0.22	0.0	225,228,0	0.04	0.02	0.03	225,44,44	0.15	225	0.87	0.06	0.94
	0.02	0.01	0.0	226,227,0	0.04	1.22e-03	1.22e-03	225,45,45			1.00	0.04	0.96
388	0.05	0.08	0.0	231,230,0	0.06	0.02	0.03	225,44,44	0.19	225	0.87	0.06	0.94
	0.01	6.89e-03	0.0	44,45,0	0.06	1.26e-03	1.26e-03	225,43,43			1.00	0.04	0.96
390	0.02	0.05	0.0	231,230,0	0.07	0.02	0.03	227,42,44	0.21	227	0.87	0.06	0.94
	9.27e-03	5.36e-03	0.0	43,46,0	0.07	1.26e-03	1.26e-03	227,43,43			1.00	0.04	0.96
392	0.03	0.06	0.0	220,217,0	0.08	0.01	0.02	231,42,44	0.21	231	0.87	0.06	0.94
	0.01	0.01	0.0	45,44,0	0.08	5.61e-03	5.61e-03	231,45,45			1.00	0.04	0.96
394	0.04	0.08	0.0	228,225,0	0.08	4.06e-03	8.89e-03	231,44,225	0.21	231	0.87	0.06	0.94
	0.02	0.02	0.0	45,44,0	0.08	0.01	0.01	231,45,45			1.00	0.04	0.96
402	0.19	0.21	0.0	228,225,0	0.04	3.05e-03	0.02	225,219,225	0.16	225	0.87	0.06	0.94
	0.02	0.02	0.0	45,44,0	0.04	0.01	0.01	225,45,45			1.00	0.04	0.96
447	0.07	0.09	0.0	228,225,0	0.16	1.70e-03	0.01	225,211,225	0.31	225	0.87	0.06	0.94
	0.08	0.06	0.0	225,228,0	0.16	8.30e-03	8.30e-03	225,45,45			1.00	0.04	0.96
448	0.03	0.06	0.0	228,225,0	0.02	1.70e-03	6.61e-03	225,211,225	0.11	225	0.87	0.06	0.94
	0.08	0.06	0.0	225,228,0	0.02	4.12e-03	4.12e-03	225,45,45			1.00	0.04	0.96
1430	0.16	0.19	0.0	228,225,0	0.18	1.19e-03	0.02	225,42,225	0.32	225	0.87	0.06	0.94
	0.02	0.02	0.0	225,228,0	0.18	0.01	0.01	225,43,43			1.00	0.04	0.96
1432	0.12	0.14	0.0	228,225,0	0.16	1.47e-03	0.02	225,47,225	0.31	225	0.87	0.06	0.94
	0.07	0.05	0.0	225,228,0	0.16	0.01	0.01	225,47,47			1.00	0.04	0.96

1435	0.04	0.08	0.0	228,225,0	0.13	4.06e-03	8.89e-03	227,44,225	0.28	227	0.87	0.06	0.94
	0.12	0.09	0.0	228,225,0	0.13	0.02	0.02	227,45,45			1.00	0.04	0.96
1436	0.03	0.06	0.0	220,217,0	0.14	0.01	0.02	225,42,44	0.29	225	0.87	0.06	0.94
	0.06	0.04	0.0	228,225,0	0.14	0.02	0.02	225,45,45			1.00	0.04	0.96
1437	0.04	0.08	0.0	228,225,0	0.39	1.46e-03	8.51e-03	227,44,225	0.48	227	0.87	0.06	0.94
	0.12	0.09	0.0	228,225,0	0.39	0.03	0.03	227,43,43			1.00	0.04	0.96
1438	0.02	0.05	0.0	212,209,0	0.39	6.23e-03	0.02	227,46,44	0.48	227	0.87	0.06	0.94
	0.06	0.04	0.0	228,225,0	0.39	0.03	0.03	227,43,43			1.00	0.04	0.96
1439	0.02	0.06	0.0	212,225,0	0.47	9.33e-04	6.51e-03	227,219,44	0.53	227	0.87	0.06	0.94
	0.11	0.08	0.0	228,225,0	0.47	0.03	0.03	227,44,44			1.00	0.04	0.96
1440	0.02	0.05	0.0	212,44,0	0.48	2.48e-03	0.01	225,45,44	0.53	225	0.87	0.06	0.94
	0.06	0.04	0.0	228,225,0	0.48	0.03	0.03	225,44,44			1.00	0.04	0.96
1441	0.02	0.05	0.0	45,44,0	0.14	0.02	0.03	225,42,44	0.29	225	0.87	0.06	0.94
	0.07	0.04	0.0	225,228,0	0.14	8.78e-03	8.78e-03	225,45,45			1.00	0.04	0.96
1442	0.03	0.06	0.0	45,44,0	0.38	0.01	0.02	225,42,44	0.48	225	0.87	0.06	0.94
	0.07	0.04	0.0	225,228,0	0.38	0.01	0.01	225,47,47			1.00	0.04	0.96
1443	0.03	0.06	0.0	45,44,0	0.48	4.33e-03	0.02	225,46,44	0.53	225	0.87	0.06	0.94
	0.06	0.03	0.0	225,228,0	0.48	0.01	0.01	225,43,43			1.00	0.04	0.96
1444	0.05	0.08	0.0	231,230,0	0.13	0.02	0.03	225,44,44	0.27	225	0.87	0.06	0.94
	0.14	0.08	0.0	225,228,0	0.13	2.84e-03	2.84e-03	225,45,45			1.00	0.04	0.96
1445	0.05	0.08	0.0	231,230,0	0.38	0.01	0.03	225,44,44	0.47	225	0.87	0.06	0.94
	0.14	0.08	0.0	225,228,0	0.38	3.11e-03	3.11e-03	225,45,45			1.00	0.04	0.96
1446	0.04	0.08	0.0	45,44,0	0.46	6.18e-03	0.03	225,44,44	0.52	225	0.87	0.06	0.94
	0.12	0.07	0.0	225,228,0	0.46	3.29e-03	3.29e-03	225,44,44			1.00	0.04	0.96
1447	0.20	0.22	0.0	225,228,0	0.08	0.02	0.04	225,44,44	0.21	225	0.87	0.06	0.94
	0.21	0.12	0.0	225,228,0	0.08	3.62e-03	3.62e-03	225,43,43			1.00	0.04	0.96
1448	0.23	0.24	0.0	225,228,0	0.38	0.02	0.04	225,43,44	0.47	225	0.87	0.06	0.94
	0.21	0.12	0.0	225,228,0	0.38	3.62e-03	3.62e-03	225,43,43			1.00	0.04	0.96
1449	0.23	0.24	0.0	225,228,0	0.41	0.01	0.04	225,43,44	0.49	225	0.87	0.06	0.94
	0.17	0.10	0.0	225,228,0	0.41	3.29e-03	3.29e-03	225,44,44			1.00	0.04	0.96
1450	0.20	0.22	0.0	225,228,0	0.02	0.02	0.04	228,43,44	0.12	228	0.87	0.06	0.94
	0.21	0.12	0.0	225,228,0	0.02	3.62e-03	3.62e-03	228,43,43			1.00	0.04	0.96
1451	0.23	0.24	0.0	225,228,0	0.31	0.02	0.04	225,43,44	0.43	225	0.87	0.06	0.94
	0.21	0.12	0.0	225,228,0	0.31	3.62e-03	3.62e-03	225,43,43			1.00	0.04	0.96
1452	0.23	0.24	0.0	225,228,0	0.31	0.01	0.04	225,43,44	0.43	225	0.87	0.06	0.94
	0.17	0.10	0.0	225,228,0	0.31	3.05e-03	3.05e-03	225,43,43			1.00	0.04	0.96
1453	0.02	0.06	0.0	228,225,0	0.48	9.63e-04	6.48e-03	225,215,44	0.53	225	0.87	0.06	0.94
	0.06	0.05	0.0	45,44,0	0.48	0.03	0.03	225,44,44			1.00	0.04	0.96
1454	0.02	0.05	0.0	45,44,0	0.49	3.10e-03	0.01	225,46,44	0.54	225	0.87	0.06	0.94
	0.05	0.04	0.0	45,44,0	0.49	0.03	0.03	225,44,44			1.00	0.04	0.96
1455	0.02	0.05	0.0	228,225,0	0.48	1.80e-03	6.92e-03	225,45,44	0.53	225	0.87	0.06	0.94
	0.05	0.04	0.0	45,44,0	0.48	0.03	0.03	225,43,43			1.00	0.04	0.96
1456	0.01	0.05	0.0	45,44,0	0.49	6.66e-03	0.02	225,46,44	0.54	225	0.87	0.06	0.94
	0.04	0.03	0.0	45,44,0	0.49	0.02	0.02	225,43,43			1.00	0.04	0.96
1457	0.03	0.06	0.0	45,44,0	0.49	5.52e-03	0.02	225,42,44	0.54	225	0.87	0.06	0.94
	0.02	0.01	0.0	45,44,0	0.49	0.01	0.01	225,43,43			1.00	0.04	0.96
1458	0.03	0.06	0.0	45,44,0	0.49	0.01	0.02	225,42,44	0.54	225	0.87	0.06	0.94
	0.02	0.02	0.0	226,227,0	0.49	0.01	0.01	225,47,47			1.00	0.04	0.96
1459	0.04	0.08	0.0	45,44,0	0.47	7.39e-03	0.03	225,44,44	0.53	225	0.87	0.06	0.94
	0.02	0.01	0.0	45,44,0	0.47	3.29e-03	3.29e-03	225,44,44			1.00	0.04	0.96
1460	0.04	0.07	0.0	45,44,0	0.47	0.01	0.03	225,44,44	0.53	225	0.87	0.06	0.94
	0.05	0.04	0.0	228,225,0	0.47	3.00e-03	3.00e-03	225,44,44			1.00	0.04	0.96
1461	0.17	0.19	0.0	225,228,0	0.43	9.32e-03	0.04	225,44,44	0.50	225	0.87	0.06	0.94
	0.03	0.02	0.0	228,225,0	0.43	3.29e-03	3.29e-03	225,44,44			1.00	0.04	0.96
1462	0.12	0.15	0.0	225,228,0	0.44	0.02	0.04	225,43,44	0.51	225	0.87	0.06	0.94
	0.07	0.06	0.0	228,225,0	0.44	3.00e-03	3.00e-03	225,44,44			1.00	0.04	0.96
1463	0.17	0.19	0.0	225,228,0	0.18	9.32e-03	0.04	225,44,44	0.32	225	0.87	0.06	0.94
	0.03	0.02	0.0	228,225,0	0.18	3.05e-03	3.05e-03	225,43,43			1.00	0.04	0.96
1464	0.12	0.15	0.0	225,228,0	0.19	0.02	0.04	225,43,44	0.34	225	0.87	0.06	0.94
	0.07	0.06	0.0	228,225,0	0.19	2.49e-03	2.49e-03	225,43,43			1.00	0.04	0.96
1465	9.06e-03	0.04	0.0	232,229,0	0.45	4.10e-03	7.53e-03	225,44,44	0.52	225	0.87	0.06	0.94
	0.06	0.04	0.0	233,236,0	0.45	0.02	0.02	225,45,45			1.00	0.04	0.96
1466	7.42e-03	0.04	0.0	45,44,0	0.45	0.01	0.02	225,44,44	0.52	225	0.87	0.06	0.94
	0.03	0.03	0.0	45,44,0	0.45	0.02	0.02	225,45,45			1.00	0.04	0.96
1467	3.85e-03	0.03	0.0	232,100,0	0.29	4.10e-03	7.53e-03	227,44,44	0.42	227	0.87	0.06	0.94
	0.06	0.04	0.0	233,236,0	0.29	9.70e-03	9.70e-03	227,45,45			1.00	0.04	0.96
1468	3.85e-03	0.03	0.0	232,100,0	0.31	0.01	0.02	225,44,44	0.43	225	0.87	0.06	0.94
	0.03	0.02	0.0	233,236,0	0.31	4.65e-03	4.65e-03	225,45,45			1.00	0.04	0.96
1469	0.02	0.05	0.0	45,44,0	0.45	0.02	0.03	225,42,44	0.52	225	0.87	0.06	0.94
	0.03	0.03	0.0	226,227,0	0.45	6.96e-03	6.96e-03	225,45,45			1.00	0.04	0.96
1470	9.18e-03	0.04	0.0	227,226,0	0.31	0.02	0.03	225,42,44	0.43	225	0.87	0.06	0.94
	0.03	0.03	0.0	226,227,0	0.31	2.81e-03	2.81e-03	225,43,43			1.00	0.04	0.96
1471	0.02	0.06	0.0	231,44,0	0.44	0.02	0.03	225,44,44	0.51	225	0.87	0.06	0.94
	0.06	0.05	0.0	228,225,0	0.44	2.81e-03	2.81e-03	225,43,43			1.00	0.04	0.96
1472	0.01	0.05	0.0	227,226,0	0.28	0.02	0.03	225,44,44	0.41	225	0.87	0.06	0.94

	0.06	0.05	0.0 228,225,0	0.28	2.81e-03	2.81e-03 225,43,43			1.00	0.04	0.96
1473	0.06	0.11	0.0 225,228,0	0.44	0.03	0.04 225,43,44	0.51	225	0.87	0.06	0.94
	0.09	0.08	0.0 228,225,0	0.44	2.59e-03	2.59e-03 225,43,43			1.00	0.04	0.96
1474	0.02	0.07	0.0 225,228,0	0.24	0.03	0.04 225,43,44	0.38	225	0.87	0.06	0.94
	0.09	0.08	0.0 228,225,0	0.24	2.59e-03	2.59e-03 225,43,43			1.00	0.04	0.96
1475	0.06	0.11	0.0 225,228,0	0.19	0.03	0.04 225,43,44	0.34	225	0.87	0.06	0.94
	0.09	0.08	0.0 228,225,0	0.19	1.97e-03	1.97e-03 225,43,43			1.00	0.04	0.96
1476	0.02	0.07	0.0 225,228,0	0.03	0.03	0.04 225,43,44	0.12	225	0.87	0.06	0.94
	0.09	0.08	0.0 228,225,0	0.03	1.13e-03	1.13e-03 225,46,46			1.00	0.04	0.96
2119	0.19	0.21	0.0 228,225,0	0.04	3.05e-03	0.02225,219,225	0.16	225	0.87	0.06	0.94
	0.02	0.02	0.0 233,236,0	0.04	4.42e-03	4.42e-03 225,45,45			1.00	0.04	0.96
2122	0.19	0.21	0.0 228,225,0	0.07	3.05e-03	0.02225,219,225	0.20	225	0.87	0.06	0.94
	0.16	0.12	0.0 228,225,0	0.07	0.02	0.02 225,45,45			1.00	0.04	0.96
2123	0.21	0.24	0.0 228,225,0	0.34	3.45e-03	0.03225,44,225	0.45	225	0.87	0.06	0.94
	0.16	0.12	0.0 228,225,0	0.34	0.03	0.03 225,43,43			1.00	0.04	0.96
2124	0.21	0.24	0.0 228,225,0	0.39	3.45e-03	0.03225,44,225	0.48	225	0.87	0.06	0.94
	0.14	0.10	0.0 228,225,0	0.39	0.03	0.03 225,44,44			1.00	0.04	0.96
2125	0.16	0.19	0.0 228,225,0	0.40	1.19e-03	0.02225,42,225	0.49	225	0.87	0.06	0.94
	0.06	0.05	0.0 45,44,0	0.40	0.03	0.03 225,44,44			1.00	0.04	0.96
2126	0.12	0.14	0.0 228,225,0	0.40	1.47e-03	0.02225,47,225	0.49	225	0.87	0.06	0.94
	0.07	0.05	0.0 225,228,0	0.40	0.03	0.03 225,43,43			1.00	0.04	0.96
2127	0.07	0.09	0.0 228,225,0	0.40	1.84e-03	0.01225,219,225	0.49	225	0.87	0.06	0.94
	0.08	0.06	0.0 225,228,0	0.40	0.02	0.02 225,45,45			1.00	0.04	0.96
2128	0.03	0.06	0.0 228,225,0	0.23	1.84e-03	6.61e-03225,219,225	0.37	225	0.87	0.06	0.94
	0.08	0.06	0.0 225,228,0	0.23	9.70e-03	9.70e-03 225,45,45			1.00	0.04	0.96
2129	0.19	0.21	0.0 228,225,0	0.04	3.05e-03	0.02225,219,225	0.16	225	0.87	0.06	0.94
	0.16	0.12	0.0 228,225,0	0.04	9.10e-03	9.10e-03 225,45,45			1.00	0.04	0.96
2130	0.21	0.24	0.0 228,225,0	0.29	3.45e-03	0.03225,44,225	0.41	225	0.87	0.06	0.94
	0.16	0.12	0.0 228,225,0	0.29	0.01	0.01 225,43,43			1.00	0.04	0.96
2131	0.21	0.24	0.0 228,225,0	0.29	3.45e-03	0.03225,44,225	0.41	225	0.87	0.06	0.94
	0.14	0.10	0.0 228,225,0	0.29	0.01	0.01 225,43,43			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.23	0.24	0.0	0.49	0.03	0.04	0.54

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
42	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.17	1.9	193	0.17	1.9	193	0.16	-5062.6	-4.844e+04	225

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
335	0.0	0.14	0.0	0,100,0	2.62e-03	0.01	0.02228,212,212		0.04	228	0.0	0.0	0.0
	0.01	9.96e-03	0.0	226,227,0	2.59e-03	2.10e-04	2.10e-04 228,45,45				1.00	0.04	0.96
336	0.0	0.16	0.0	0,100,0	2.62e-03	0.01	0.02228,212,212		0.04	228	0.0	0.0	0.0
	0.02	0.01	0.0	233,236,0	2.59e-03	6.12e-04	6.12e-04228,212,212				1.00	0.04	0.96
338	0.0	0.16	0.0	0,100,0	2.46e-03	8.28e-03	0.02225,212,209		0.04	225	0.0	0.0	0.0
	0.02	0.01	0.0	233,236,0	2.43e-03	6.12e-04	6.12e-04225,212,212				1.00	0.04	0.96
1477	2.01e-03	0.17	0.0	228,100,0	0.02	8.28e-03	0.03225,212,209		0.10	225	0.87	0.06	0.94
	0.02	0.02	0.0	233,44,0	0.02	2.17e-03	2.17e-03 225,44,44				1.00	0.04	0.96
1478	0.02	0.17	0.0	225,100,0	0.02	0.01	0.03225,212,212		0.10	225	0.87	0.06	0.94
	0.03	0.03	0.0	225,228,0	0.02	3.43e-03	3.43e-03225,212,212				1.00	0.04	0.96
1479	0.07	0.22	0.0	228,225,0	0.22	6.46e-03	0.03225,212,225		0.36	225	0.87	0.06	0.94
	0.02	0.03	0.0	228,225,0	0.22	2.17e-03	2.17e-03 225,44,44				1.00	0.04	0.96
1480	0.09	0.22	0.0	225,225,0	0.22	8.20e-03	0.03225,212,225		0.36	225	0.87	0.06	0.94
	0.03	0.03	0.0	225,228,0	0.22	3.43e-03	3.43e-03225,212,212				1.00	0.04	0.96
1481	0.07	0.22	0.0	228,225,0	0.22	2.35e-03	0.03225,212,225		0.36	225	0.87	0.06	0.94
	0.02	0.03	0.0	228,225,0	0.22	1.75e-03	1.75e-03225,219,219				1.00	0.04	0.96
1482	0.09	0.22	0.0	225,225,0	0.22	2.37e-03	0.03225,44,225		0.36	225	0.87	0.06	0.94
	0.03	0.03	0.0	225,228,0	0.22	3.06e-03	3.06e-03225,212,212				1.00	0.04	0.96
1483	0.02	0.14	0.0	225,100,0	0.02	0.01	0.03228,212,212		0.10	228	0.87	0.06	0.94
	0.03	0.03	0.0	225,228,0	0.02	3.43e-03	3.43e-03228,212,212				1.00	0.04	0.96
1484	0.09	0.21	0.0	225,228,0	0.21	8.20e-03	0.03225,212,228		0.35	225	0.87	0.06	0.94
	0.03	0.03	0.0	225,228,0	0.21	3.43e-03	3.43e-03225,212,212				1.00	0.04	0.96
1485	0.09	0.21	0.0	225,228,0	0.21	2.37e-03	0.03225,44,228		0.35	225	0.87	0.06	0.94
	0.03	0.03	0.0	225,228,0	0.21	3.06e-03	3.06e-03225,212,212				1.00	0.04	0.96
1486	0.0	0.17	0.0	0,100,0	0.22	4.27e-03	0.02225,212,212		0.36	225	0.0	0.0	0.0
	7.47e-03	6.73e-03	0.0	225,228,0	0.22	2.21e-04	2.21e-04225,215,215				1.00	0.04	0.96

1487	0.0	0.17	0.0	0,100,0	0.22	4.27e-03	0.02225,212,209	0.36	225	0.0	0.0	0.0
	9.35e-03	7.56e-03	0.0	228,225,0	0.22	3.36e-04	3.36e-04225,209,209			1.00	0.04	0.96
1488	0.10	0.23	0.0	225,228,0	0.21	6.29e-03	0.03225,212,228	0.35	225	0.87	0.06	0.94
	4.00e-03	0.01	0.0	228,228,0	0.21	5.35e-05	5.35e-05225,217,217			1.00	0.04	0.96
1489	0.10	0.23	0.0	225,225,0	0.21	6.29e-03	0.03225,212,228	0.35	225	0.87	0.06	0.94
	4.04e-03	0.02	0.0	225,100,0	0.21	1.04e-04	1.04e-04225,212,212			1.00	0.04	0.96
1490	0.0	0.17	0.0	0,100,0	0.21	4.06e-03	0.02225,212,209	0.35	225	0.0	0.0	0.0
	9.35e-03	7.56e-03	0.0	228,225,0	0.21	3.36e-04	3.36e-04225,209,209			1.00	0.04	0.96
1491	0.09	0.23	0.0	228,225,0	0.21	5.94e-03	0.03225,212,225	0.35	225	0.87	0.06	0.94
	4.04e-03	0.02	0.0	225,100,0	0.21	1.04e-04	1.04e-04225,212,212			1.00	0.04	0.96
1492	0.15	0.26	0.0	225,228,0	0.21	8.38e-03	0.04225,212,228	0.35	225	0.87	0.06	0.94
	3.49e-03	0.02	0.0	225,100,0	0.21	2.61e-04	2.61e-04225,224,224			1.00	0.04	0.96
1493	0.15	0.27	0.0	225,225,0	0.21	8.38e-03	0.04225,212,228	0.35	225	0.87	0.06	0.94
	3.49e-03	0.03	0.0	225,100,0	0.21	3.81e-04	3.81e-04225,229,229			1.00	0.04	0.96
1494	0.15	0.26	0.0	225,228,0	1.20e-03	8.38e-03	0.04225,212,228	0.03	225	0.87	0.06	0.94
	0.0	0.02	0.0	0,100,0	1.19e-03	2.61e-04	2.61e-04225,224,224			0.0	0.0	0.0
1495	0.15	0.27	0.0	225,225,0	1.34e-03	8.38e-03	0.04225,212,228	0.03	225	0.87	0.06	0.94
	0.0	0.03	0.0	0,100,0	1.20e-03	3.81e-04	3.81e-04225,229,229			0.0	0.0	0.0
1496	0.14	0.27	0.0	228,225,0	0.21	7.93e-03	0.04225,212,225	0.35	225	0.87	0.06	0.94
	1.55e-03	0.03	0.0	228,100,0	0.21	3.81e-04	3.81e-04225,229,229			1.00	0.04	0.96
1497	0.14	0.27	0.0	228,225,0	1.34e-03	7.93e-03	0.04225,212,225	0.03	225	0.87	0.06	0.94
	0.0	0.03	0.0	0,100,0	1.20e-03	3.81e-04	3.81e-04225,229,229			0.0	0.0	0.0

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.15	0.27	0.0	0.22	0.01	0.04	0.36

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
43	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.29	17.4	196	0.73	43.1	196	0.70	7587.0	6.777e+05	228

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
282	0.06	0.08	0.0	215,214,0	0.03	0.02	0.03212,212,209		0.12	212	0.87	0.06	0.94
	9.91e-03	8.96e-03	0.0	209,212,0	0.03	3.44e-03	3.44e-03212,216,216				1.00	0.04	0.96
308	0.06	0.08	0.0	215,214,0	0.03	0.02	0.03212,212,209		0.12	212	0.87	0.06	0.94
	0.02	0.02	0.0	209,212,0	0.03	6.02e-03	6.02e-03212,212,212				1.00	0.04	0.96
310	0.16	0.20	0.0	228,225,0	0.02	0.02	0.03 228,44,44		0.10	228	0.87	0.06	0.94
	0.03	0.02	0.0	225,228,0	0.02	0.01	0.01228,212,212				1.00	0.04	0.96
312	0.16	0.20	0.0	228,225,0	0.01	0.02	0.03 225,44,44		0.09	225	0.87	0.06	0.94
	0.03	0.02	0.0	225,228,0	0.01	0.01	0.01225,212,212				1.00	0.04	0.96
1498	0.16	0.20	0.0	228,225,0	0.01	0.02	0.04 225,44,44		0.09	225	0.87	0.06	0.94
	0.20	0.13	0.0	228,225,0	0.01	0.01	0.01225,212,212				1.00	0.04	0.96
1499	0.16	0.20	0.0	228,225,0	0.04	0.02	0.04 228,44,44		0.15	228	0.87	0.06	0.94
	0.20	0.13	0.0	228,225,0	0.04	0.01	0.01228,212,212				1.00	0.04	0.96
1500	0.19	0.24	0.0	228,225,0	0.23	0.02	0.04 228,44,44		0.37	228	0.87	0.06	0.94
	0.20	0.13	0.0	228,225,0	0.23	5.02e-03	5.02e-03 228,44,44				1.00	0.04	0.96
1501	0.19	0.24	0.0	228,225,0	0.28	0.02	0.04 228,44,44		0.40	228	0.87	0.06	0.94
	0.20	0.13	0.0	228,225,0	0.28	5.02e-03	5.02e-03 228,44,44				1.00	0.04	0.96
1502	0.19	0.24	0.0	228,225,0	0.23	0.01	0.04 228,44,44		0.37	228	0.87	0.06	0.94
	0.17	0.11	0.0	228,225,0	0.23	5.14e-03	5.14e-03228,212,212				1.00	0.04	0.96
1503	0.19	0.24	0.0	228,225,0	0.32	0.01	0.04 228,44,44		0.43	228	0.87	0.06	0.94
	0.17	0.11	0.0	228,225,0	0.32	5.14e-03	5.14e-03228,212,212				1.00	0.04	0.96
1504	0.08	0.09	0.0	215,214,0	0.05	0.02	0.03228,212,209		0.17	228	0.87	0.06	0.94
	0.13	0.09	0.0	228,225,0	0.05	0.02	0.02228,212,212				1.00	0.04	0.96
1505	0.08	0.09	0.0	215,214,0	0.28	0.02	0.03228,212,209		0.40	228	0.87	0.06	0.94
	0.13	0.09	0.0	228,225,0	0.28	0.02	0.02228,212,212				1.00	0.04	0.96
1506	0.07	0.08	0.0	215,214,0	0.32	0.02	0.03228,212,209		0.43	228	0.87	0.06	0.94
	0.11	0.08	0.0	228,225,0	0.32	0.02	0.02228,212,212				1.00	0.04	0.96
1507	0.08	0.09	0.0	215,214,0	0.05	0.02	0.03228,212,209		0.17	228	0.87	0.06	0.94
	0.05	0.04	0.0	228,225,0	0.05	0.02	0.02228,212,212				1.00	0.04	0.96
1508	0.08	0.09	0.0	215,214,0	0.23	0.02	0.03228,212,209		0.37	228	0.87	0.06	0.94
	0.05	0.04	0.0	228,225,0	0.23	0.02	0.02228,212,212				1.00	0.04	0.96
1509	0.07	0.08	0.0	215,214,0	0.29	0.02	0.03228,212,209		0.41	228	0.87	0.06	0.94
	0.05	0.03	0.0	228,225,0	0.29	0.02	0.02228,212,212				1.00	0.04	0.96
1510	0.13	0.19	0.0	228,225,0	0.14	0.01	0.04 228,44,44		0.29	228	0.87	0.06	0.94
	0.03	0.02	0.0	225,228,0	0.14	5.14e-03	5.14e-03228,212,212				1.00	0.04	0.96
1511	0.13	0.19	0.0	228,225,0	0.32	0.01	0.04 228,44,44		0.44	228	0.87	0.06	0.94

	0.03	0.02	0.0	225,228,0	0.32	5.14e-03	5.14e-03	228,212,212			1.00	0.04	0.96
1512	0.07	0.13	0.0	228,225,0	0.15	0.02	0.05	228,44,44	0.29	228	0.87	0.06	0.94
	0.06	0.05	0.0	225,228,0	0.15	3.56e-03	3.56e-03	228,212,212			1.00	0.04	0.96
1513	0.07	0.13	0.0	228,225,0	0.32	0.02	0.05	228,44,44	0.44	228	0.87	0.06	0.94
	0.06	0.05	0.0	225,228,0	0.32	4.64e-03	4.64e-03	228,212,212			1.00	0.04	0.96
1514	0.04	0.07	0.0	215,44,0	0.32	0.02	0.02	228,212,209	0.44	228	0.87	0.06	0.94
	0.02	0.02	0.0	45,44,0	0.32	0.01	0.01	228,44,44			1.00	0.04	0.96
1515	0.03	0.07	0.0	45,44,0	0.32	0.01	0.03	228,212,44	0.44	228	0.87	0.06	0.94
	0.05	0.04	0.0	225,228,0	0.32	0.01	0.01	228,42,42			1.00	0.04	0.96
1516	0.04	0.06	0.0	215,214,0	0.30	0.02	0.02	228,212,209	0.42	228	0.87	0.06	0.94
	0.01	0.01	0.0	45,44,0	0.30	0.01	0.01	228,44,44			1.00	0.04	0.96
1517	5.82e-03	0.03	0.0	45,44,0	0.30	0.01	0.02	228,212,209	0.42	228	0.87	0.06	0.94
	0.02	0.02	0.0	225,228,0	0.30	0.01	0.01	228,42,42			1.00	0.04	0.96
1518	0.02	0.10	0.0	45,44,0	0.15	0.03	0.05	228,46,44	0.29	228	0.87	0.06	0.94
	0.08	0.06	0.0	225,228,0	0.15	3.56e-03	3.56e-03	228,212,212			1.00	0.04	0.96
1519	0.02	0.10	0.0	45,44,0	0.32	0.03	0.05	228,46,44	0.43	228	0.87	0.06	0.94
	0.08	0.06	0.0	225,228,0	0.32	5.02e-03	5.02e-03	228,42,42			1.00	0.04	0.96
1520	0.0	0.07	0.0	0,100,0	0.02	0.03	0.04	228,46,44	0.10	228	0.0	0.0	0.0
	0.08	0.06	0.0	225,228,0	0.02	2.33e-03	2.33e-03	228,42,42			1.00	0.04	0.96
1521	0.0	0.07	0.0	0,100,0	0.15	0.03	0.04	228,46,44	0.30	228	0.0	0.0	0.0
	0.08	0.06	0.0	225,228,0	0.15	5.02e-03	5.02e-03	228,42,42			1.00	0.04	0.96
1522	0.03	0.06	0.0	214,44,0	0.32	0.02	0.03	228,45,44	0.43	228	0.87	0.06	0.94
	0.05	0.04	0.0	225,228,0	0.32	8.34e-03	8.34e-03	228,44,44			1.00	0.04	0.96
1523	0.0	0.04	0.0	0,100,0	0.16	0.02	0.03	228,45,44	0.30	228	0.0	0.0	0.0
	0.05	0.04	0.0	225,228,0	0.16	8.34e-03	8.34e-03	228,44,44			1.00	0.04	0.96
1524	0.03	0.05	0.0	214,215,0	0.27	0.02	0.03	228,212,212	0.40	228	0.87	0.06	0.94
	0.04	0.03	0.0	225,228,0	0.27	7.53e-03	7.53e-03	228,45,45			1.00	0.04	0.96
1525	0.03	0.05	0.0	214,215,0	0.16	0.02	0.03	228,212,212	0.30	228	0.87	0.06	0.94
	0.04	0.03	0.0	225,228,0	0.16	8.34e-03	8.34e-03	228,44,44			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.20	0.24	0.0	0.32	0.03	0.05	0.44

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
44	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.31	-18.3	196	0.62	-36.9	180	0.75	1.233e+04	-2.656e+05	225

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
276	0.14	0.14	0.0	209,212,0	8.13e-03	0.02	0.03	212,70,68	0.07	212	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	8.09e-03	0.01	0.01	212,225,225			1.00	0.04	0.96
278	0.14	0.14	0.0	209,212,0	0.01	0.02	0.03	228,70,68	0.08	228	0.87	0.06	0.94
	0.03	0.02	0.0	236,233,0	0.01	0.01	0.01	228,225,225			1.00	0.04	0.96
280	0.08	0.09	0.0	235,234,0	0.03	0.03	0.04	228,225,228	0.14	228	0.87	0.06	0.94
	0.03	0.02	0.0	236,233,0	0.03	7.13e-03	7.13e-03	228,225,225			1.00	0.04	0.96
282	0.08	0.09	0.0	235,234,0	0.03	0.03	0.04	228,225,228	0.14	228	0.87	0.06	0.94
	0.01	0.01	0.0	236,233,0	0.03	4.91e-03	4.91e-03	228,209,209			1.00	0.04	0.96
1507	0.11	0.11	0.0	239,238,0	0.05	0.03	0.04	228,225,228	0.17	228	0.87	0.06	0.94
	0.05	0.04	0.0	225,228,0	0.05	0.03	0.03	228,225,225			1.00	0.04	0.96
1508	0.11	0.11	0.0	239,238,0	0.16	0.02	0.04	212,225,228	0.31	212	0.87	0.06	0.94
	0.05	0.04	0.0	225,228,0	0.16	0.03	0.03	212,225,225			1.00	0.04	0.96
1509	0.10	0.10	0.0	239,238,0	0.20	0.02	0.04	212,228,228	0.34	212	0.87	0.06	0.94
	0.04	0.03	0.0	225,228,0	0.20	0.02	0.02	212,225,225			1.00	0.04	0.96
1516	0.06	0.07	0.0	239,234,0	0.21	0.02	0.03	212,228,228	0.35	212	0.87	0.06	0.94
	0.01	0.01	0.0	68,68,0	0.21	0.01	0.01	212,68,68			1.00	0.04	0.96
1517	0.02	0.04	0.0	233,236,0	0.21	0.02	0.02	212,228,228	0.35	212	0.87	0.06	0.94
	0.02	0.02	0.0	228,225,0	0.21	0.01	0.01	212,228,228			1.00	0.04	0.96
1524	0.02	0.03	0.0	225,228,0	0.19	0.02	0.02	212,228,228	0.34	212	0.87	0.06	0.94
	0.02	0.02	0.0	228,225,0	0.19	0.01	0.01	212,228,228			1.00	0.04	0.96
1525	0.02	0.03	0.0	209,212,0	0.10	0.02	0.02	212,228,228	0.25	212	0.87	0.06	0.94
	0.02	0.01	0.0	228,225,0	0.10	9.46e-03	9.46e-03	212,228,228			1.00	0.04	0.96
1526	0.11	0.11	0.0	239,238,0	0.05	0.03	0.04	228,225,228	0.17	228	0.87	0.06	0.94
	0.11	0.08	0.0	209,212,0	0.05	0.03	0.03	228,225,225			1.00	0.04	0.96
1527	0.11	0.11	0.0	239,238,0	0.19	0.02	0.04	212,225,228	0.33	212	0.87	0.06	0.94
	0.11	0.08	0.0	209,212,0	0.19	0.03	0.03	212,225,225			1.00	0.04	0.96
1528	0.10	0.10	0.0	239,238,0	0.22	0.02	0.04	212,228,228	0.36	212	0.87	0.06	0.94
	0.10	0.07	0.0	209,212,0	0.22	0.02	0.02	212,225,225			1.00	0.04	0.96

1529	0.14	0.14	0.0 209,212,0	0.03	0.02	0.04 212,70,68	0.12	212	0.87	0.06	0.94
	0.16	0.11	0.0 209,212,0	0.03	0.01	0.01212,225,225			1.00	0.04	0.96
1530	0.16	0.17	0.0 209,212,0	0.19	0.02	0.04 212,66,68	0.33	212	0.87	0.06	0.94
	0.16	0.11	0.0 209,212,0	0.19	4.87e-03	4.87e-03 212,70,70			1.00	0.04	0.96
1531	0.16	0.17	0.0 209,212,0	0.22	0.01	0.04 212,68,68	0.36	212	0.87	0.06	0.94
	0.14	0.10	0.0 209,212,0	0.22	6.02e-03	6.02e-03212,225,225			1.00	0.04	0.96
1532	0.14	0.14	0.0 209,212,0	8.13e-03	0.02	0.04 212,70,68	0.07	212	0.87	0.06	0.94
	0.16	0.11	0.0 209,212,0	8.09e-03	0.01	0.01212,225,225			1.00	0.04	0.96
1533	0.16	0.17	0.0 209,212,0	0.16	0.02	0.04 212,66,68	0.31	212	0.87	0.06	0.94
	0.16	0.11	0.0 209,212,0	0.16	4.87e-03	4.87e-03 212,70,70			1.00	0.04	0.96
1534	0.16	0.17	0.0 209,212,0	0.16	0.01	0.04 212,68,68	0.31	212	0.87	0.06	0.94
	0.14	0.10	0.0 209,212,0	0.16	6.02e-03	6.02e-03212,225,225			1.00	0.04	0.96
1535	0.06	0.07	0.0 239,234,0	0.22	0.02	0.03212,228,228	0.36	212	0.87	0.06	0.94
	0.02	0.02	0.0 68,68,0	0.22	0.01	0.01 212,68,68			1.00	0.04	0.96
1536	0.04	0.05	0.0 225,228,0	0.22	0.02	0.02212,228,66	0.36	212	0.87	0.06	0.94
	0.05	0.03	0.0 212,209,0	0.22	0.01	0.01212,228,228			1.00	0.04	0.96
1537	0.12	0.12	0.0 225,228,0	0.22	9.98e-03	0.03 212,70,68	0.36	212	0.87	0.06	0.94
	0.02	0.02	0.0 212,209,0	0.22	6.02e-03	6.02e-03212,225,225			1.00	0.04	0.96
1538	0.08	0.09	0.0 225,228,0	0.22	0.02	0.04 212,68,68	0.36	212	0.87	0.06	0.94
	0.06	0.04	0.0 212,209,0	0.22	6.09e-03	6.09e-03212,228,228			1.00	0.04	0.96
1539	0.12	0.12	0.0 225,228,0	0.10	9.98e-03	0.03 212,70,68	0.24	212	0.87	0.06	0.94
	0.02	0.02	0.0 212,209,0	0.10	6.02e-03	6.02e-03212,225,225			1.00	0.04	0.96
1540	0.08	0.09	0.0 225,228,0	0.10	0.02	0.04 212,68,68	0.24	212	0.87	0.06	0.94
	0.06	0.04	0.0 212,209,0	0.10	4.50e-03	4.50e-03212,228,228			1.00	0.04	0.96
1541	0.03	0.04	0.0 225,228,0	0.22	0.02	0.02 212,69,66	0.36	212	0.87	0.06	0.94
	0.05	0.03	0.0 212,209,0	0.22	0.01	0.01212,228,228			1.00	0.04	0.96
1542	0.02	0.03	0.0 231,230,0	0.10	0.02	0.02 212,69,66	0.25	212	0.87	0.06	0.94
	0.05	0.03	0.0 212,209,0	0.10	9.46e-03	9.46e-03212,228,228			1.00	0.04	0.96
1543	0.05	0.06	0.0 225,228,0	0.22	0.03	0.04 212,68,68	0.36	212	0.87	0.06	0.94
	0.08	0.05	0.0 212,209,0	0.22	6.22e-03	6.22e-03 212,68,68			1.00	0.04	0.96
1544	0.03	0.04	0.0 227,226,0	0.10	0.03	0.04 212,68,68	0.25	212	0.87	0.06	0.94
	0.08	0.05	0.0 212,209,0	0.10	6.22e-03	6.22e-03 212,68,68			1.00	0.04	0.96
1545	0.05	0.06	0.0 225,228,0	0.10	0.03	0.04 212,68,68	0.24	212	0.87	0.06	0.94
	0.08	0.05	0.0 212,209,0	0.10	4.50e-03	4.50e-03212,228,228			1.00	0.04	0.96
1546	0.03	0.04	0.0 227,226,0	0.01	0.03	0.04 212,68,68	0.08	212	0.87	0.06	0.94
	0.08	0.05	0.0 212,209,0	0.01	2.94e-03	2.94e-03 212,68,68			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.16	0.17	0.0	0.22	0.03	0.04	0.36

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
45	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.25	2.9	180	0.15	1.7	180	0.15	-322.2	2.667e+04	212

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
239	0.01	0.02	0.0 225,228,0		2.84e-03	7.64e-03	0.01212,235,232		0.04	212	0.87	0.06	0.94
	0.02	0.01	0.0 212,209,0		2.84e-03	4.95e-03	4.95e-03212,222,222				1.00	0.04	0.96
240	0.02	0.02	0.0 212,228,0		2.84e-03	0.01	0.02212,227,227		0.04	212	0.87	0.06	0.94
	0.02	0.01	0.0 212,211,0		2.84e-03	5.29e-03	5.29e-03212,238,238				1.00	0.04	0.96
242	0.02	0.02	0.0 212,209,0		2.41e-03	0.01	0.02209,227,227		0.04	209	0.87	0.06	0.94
	0.02	0.01	0.0 210,211,0		2.41e-03	5.29e-03	5.29e-03209,238,238				1.00	0.04	0.96
1547	0.06	0.06	0.0 215,209,0		0.01	0.01	0.02212,227,229		0.09	212	0.87	0.06	0.94
	0.02	0.02	0.0 228,225,0		0.01	5.29e-03	5.29e-03212,238,238				1.00	0.04	0.96
1548	0.06	0.07	0.0 215,212,0		0.01	0.01	0.02212,227,229		0.09	212	0.87	0.06	0.94
	0.03	0.02	0.0 214,215,0		0.01	5.29e-03	5.29e-03212,238,238				1.00	0.04	0.96
1549	0.11	0.10	0.0 212,209,0		0.13	9.96e-03	0.02212,231,229		0.28	212	0.87	0.06	0.94
	0.02	0.02	0.0 228,225,0		0.13	4.13e-03	4.13e-03212,231,231				1.00	0.04	0.96
1550	0.11	0.11	0.0 212,212,0		0.14	9.96e-03	0.02212,231,229		0.28	212	0.87	0.06	0.94
	0.03	0.02	0.0 214,215,0		0.14	4.13e-03	4.13e-03212,231,231				1.00	0.04	0.96
1551	0.11	0.10	0.0 212,209,0		0.13	2.47e-03	0.02212,227,229		0.28	212	0.87	0.06	0.94
	0.02	0.02	0.0 212,209,0		0.13	3.20e-03	3.20e-03212,225,225				1.00	0.04	0.96
1552	0.11	0.11	0.0 212,212,0		0.14	2.47e-03	0.02212,227,228		0.28	212	0.87	0.06	0.94
	0.03	0.02	0.0 214,215,0		0.14	3.20e-03	3.20e-03212,225,225				1.00	0.04	0.96
1553	0.06	0.07	0.0 209,212,0		0.01	7.64e-03	0.02212,235,228		0.09	212	0.87	0.06	0.94
	0.03	0.02	0.0 214,215,0		0.01	4.95e-03	4.95e-03212,222,222				1.00	0.04	0.96
1554	0.11	0.11	0.0 209,212,0		0.14	6.98e-03	0.02212,225,228		0.28	212	0.87	0.06	0.94

	0.03	0.02	0.0	214,215,0	0.14	2.29e-03	2.29e-03	212,234,234			1.00	0.04	0.96
1555	0.11	0.11	0.0	209,212,0	0.14	1.97e-03	0.02	212,229,228	0.28	212	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	0.14	2.29e-03	2.29e-03	212,234,234			1.00	0.04	0.96
1556	0.05	0.06	0.0	209,212,0	0.13	3.96e-03	0.01	212,231,228	0.28	212	0.87	0.06	0.94
	6.72e-03	4.59e-03	0.0	209,212,0	0.13	4.34e-04	4.34e-04	212,212,212			1.00	0.04	0.96
1557	0.06	0.06	0.0	212,209,0	0.13	3.98e-03	0.01	212,225,228	0.28	212	0.87	0.06	0.94
	8.03e-03	5.72e-03	0.0	215,214,0	0.13	4.49e-04	4.49e-04	212,235,235			1.00	0.04	0.96
1558	0.13	0.13	0.0	209,212,0	0.13	6.11e-03	0.02	212,227,228	0.28	212	0.87	0.06	0.94
	9.13e-03	6.82e-03	0.0	209,212,0	0.13	1.16e-04	1.16e-04	212,225,225			1.00	0.04	0.96
1559	0.15	0.13	0.0	212,212,0	0.13	6.11e-03	0.02	212,227,228	0.28	212	0.87	0.06	0.94
	9.95e-03	6.82e-03	0.0	212,212,0	0.13	1.16e-04	1.16e-04	212,225,225			1.00	0.04	0.96
1560	0.06	0.06	0.0	212,209,0	0.13	3.98e-03	0.01	212,225,225	0.28	212	0.87	0.06	0.94
	8.03e-03	5.72e-03	0.0	215,214,0	0.13	4.49e-04	4.49e-04	212,235,235			1.00	0.04	0.96
1561	0.15	0.13	0.0	212,209,0	0.13	5.54e-03	0.02	212,231,225	0.28	212	0.87	0.06	0.94
	9.95e-03	6.48e-03	0.0	212,209,0	0.13	9.28e-05	9.28e-05	212,240,240			1.00	0.04	0.96
1562	0.17	0.16	0.0	209,212,0	0.13	7.61e-03	0.02	212,227,228	0.28	212	0.87	0.06	0.94
	9.13e-03	6.82e-03	0.0	209,212,0	0.13	4.42e-04	4.42e-04	212,209,209			1.00	0.04	0.96
1563	0.18	0.16	0.0	212,212,0	0.13	8.00e-03	0.02	212,225,209	0.28	212	0.87	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.13	4.42e-04	4.42e-04	212,209,209			1.00	0.04	0.96
1564	0.17	0.16	0.0	209,212,0	9.47e-04	7.61e-03	0.02	212,227,228	0.02	212	0.87	0.06	0.94
	6.74e-03	5.91e-03	0.0	238,239,0	8.98e-04	4.42e-04	4.42e-04	212,209,209			1.00	0.04	0.96
1565	0.18	0.16	0.0	212,212,0	9.47e-04	8.00e-03	0.02	212,225,209	0.02	212	0.87	0.06	0.94
	0.02	0.01	0.0	212,209,0	8.98e-04	4.42e-04	4.42e-04	212,209,209			1.00	0.04	0.96
1566	0.18	0.16	0.0	212,209,0	0.13	8.00e-03	0.02	212,225,209	0.28	212	0.87	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.13	3.35e-04	3.35e-04	212,237,237			1.00	0.04	0.96
1567	0.18	0.16	0.0	212,209,0	7.67e-04	8.00e-03	0.02	212,225,209	0.02	212	0.87	0.06	0.94
	0.02	0.01	0.0	212,209,0	7.65e-04	3.35e-04	3.35e-04	212,237,237			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.18	0.16	0.0	0.14	0.01	0.02	0.28

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
46	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	NV

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
NV	0.98	-216.7	187	1.03	-228.2	187	0.81	-5911.4	-5.320e+06	237

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
394	0.04	0.07	0.0	228,225,0	0.08	0.03	0.04	219,225,225	0.22	219	0.87	0.06	0.94
	9.44e-03	9.35e-03	0.0	225,225,0	0.08	3.34e-03	3.34e-03	219,225,225			1.00	0.04	0.96
774	0.08	0.09	0.0	237,240,0	0.02	0.03	0.04	223,234,234	0.10	223	0.87	0.06	0.94
	0.08	0.07	0.0	222,223,0	0.02	0.01	0.01	223,234,234			1.00	0.04	0.96
851	0.04	0.07	0.0	228,225,0	0.12	0.03	0.04	219,225,225	0.26	219	0.87	0.06	0.94
	0.02	0.02	0.0	225,225,0	0.12	3.34e-03	3.34e-03	219,225,225			1.00	0.04	0.96
853	0.02	0.05	0.0	212,209,0	0.13	6.03e-03	0.01	219,233,233	0.28	219	0.87	0.06	0.94
	0.02	0.02	0.0	225,225,0	0.13	5.67e-03	5.67e-03	219,225,225			1.00	0.04	0.96
855	3.55e-03	0.03	0.0	220,217,0	0.13	6.17e-03	9.77e-03	219,225,225	0.28	219	0.87	0.06	0.94
	0.02	0.01	0.0	225,225,0	0.13	5.67e-03	5.67e-03	219,225,225			1.00	0.04	0.96
857	0.0	0.03	0.0	0,100,0	0.13	6.41e-03	9.77e-03	219,225,225	0.28	219	0.0	0.0	0.0
	8.47e-03	7.92e-03	0.0	228,225,0	0.13	2.66e-03	2.66e-03	219,233,233			1.00	0.04	0.96
859	0.0	0.04	0.0	0,100,0	0.13	6.41e-03	9.31e-03	224,225,225	0.28	224	0.0	0.0	0.0
	4.41e-03	4.93e-03	0.0	236,233,0	0.13	7.35e-04	7.35e-04	224,233,233			1.00	0.04	0.96
861	0.0	0.04	0.0	0,100,0	0.13	6.20e-03	9.18e-03	220,225,225	0.28	220	0.0	0.0	0.0
	3.17e-03	3.75e-03	0.0	238,223,0	0.13	6.21e-04	6.21e-04	220,227,227			1.00	0.04	0.96
863	0.0	0.03	0.0	0,100,0	0.13	5.32e-03	8.05e-03	220,227,226	0.28	220	0.0	0.0	0.0
	8.95e-03	8.24e-03	0.0	222,223,0	0.13	5.60e-04	5.60e-04	220,227,227			1.00	0.04	0.96
865	1.77e-03	0.03	0.0	233,100,0	0.13	5.32e-03	8.21e-03	220,227,228	0.27	220	0.87	0.06	0.94
	0.01	0.01	0.0	222,223,0	0.13	4.98e-04	4.98e-04	220,224,224			1.00	0.04	0.96
867	0.01	0.03	0.0	237,240,0	0.12	5.57e-03	9.73e-03	224,233,236	0.27	224	0.87	0.06	0.94
	0.02	0.02	0.0	222,223,0	0.12	6.70e-04	6.70e-04	224,235,235			1.00	0.04	0.96
869	0.03	0.04	0.0	237,240,0	0.11	5.99e-03	0.01	224,238,236	0.26	224	0.87	0.06	0.94
	0.03	0.03	0.0	222,223,0	0.11	2.37e-03	2.37e-03	224,234,234			1.00	0.04	0.96
871	0.05	0.06	0.0	221,224,0	0.10	7.71e-03	0.02	219,234,240	0.24	219	0.87	0.06	0.94
	0.06	0.05	0.0	214,215,0	0.10	8.80e-03	8.80e-03	219,234,234			1.00	0.04	0.96
873	0.08	0.09	0.0	237,240,0	0.09	0.03	0.04	219,234,234	0.23	219	0.87	0.06	0.94
	0.08	0.07	0.0	222,223,0	0.09	0.01	0.01	219,234,234			1.00	0.04	0.96
1435	0.06	0.08	0.0	228,225,0	0.08	0.03	0.04	219,225,225	0.22	219	0.87	0.06	0.94
	0.03	0.03	0.0	225,225,0	0.08	0.03	0.03	219,225,225			1.00	0.04	0.96

1437	0.06	0.08	0.0	228,225,0	0.09	0.02	0.04219,225,225	0.22	219	0.87	0.06	0.94
	0.03	0.03	0.0	225,225,0	0.09	0.03	0.03219,225,225			1.00	0.04	0.96
1439	0.06	0.08	0.0	228,225,0	0.09	0.02	0.04219,225,225	0.23	219	0.87	0.06	0.94
	0.03	0.02	0.0	225,225,0	0.09	0.03	0.03219,225,225			1.00	0.04	0.96
1453	0.04	0.06	0.0	228,225,0	0.09	0.02	0.03219,225,225	0.23	219	0.87	0.06	0.94
	0.01	9.01e-03	0.0	225,231,0	0.09	8.63e-03	8.63e-03219,225,225			1.00	0.04	0.96
1455	0.02	0.04	0.0	228,229,0	0.09	0.01	0.02219,225,225	0.23	219	0.87	0.06	0.94
	9.59e-03	7.95e-03	0.0	233,233,0	0.09	4.86e-03	4.86e-03219,233,233			1.00	0.04	0.96
1465	0.02	0.05	0.0	228,231,0	0.09	0.01	0.02219,225,225	0.23	219	0.87	0.06	0.94
	0.02	0.01	0.0	225,228,0	0.09	6.89e-03	6.89e-03219,233,233			1.00	0.04	0.96
1467	0.02	0.05	0.0	230,231,0	0.09	0.01	0.02219,225,225	0.23	219	0.87	0.06	0.94
	0.02	0.01	0.0	225,228,0	0.09	6.89e-03	6.89e-03219,233,233			1.00	0.04	0.96
1569	0.0	0.03	0.0	0,100,0	0.13	6.71e-03	9.69e-03219,225,225	0.28	219	0.0	0.0	0.0
	7.70e-03	5.64e-03	0.0	211,213,0	0.13	1.27e-03	1.27e-03219,225,225			1.00	0.04	0.96
1570	0.0	0.03	0.0	0,100,0	0.14	6.14e-03	9.12e-03219,225,228	0.29	219	0.0	0.0	0.0
	0.01	8.30e-03	0.0	219,218,0	0.14	9.50e-04	9.50e-04219,225,225			1.00	0.04	0.96
1572	6.06e-03	0.03	0.0	232,229,0	0.12	4.07e-03	7.38e-03219,228,225	0.27	219	0.87	0.06	0.94
	0.01	9.44e-03	0.0	231,230,0	0.12	6.43e-03	6.43e-03219,225,225			1.00	0.04	0.96
1574	5.77e-03	0.03	0.0	228,100,0	0.12	4.07e-03	7.38e-03219,228,225	0.26	219	0.87	0.06	0.94
	0.01	9.44e-03	0.0	231,230,0	0.12	3.38e-03	3.38e-03219,233,233			1.00	0.04	0.96
1575	0.0	0.03	0.0	0,100,0	0.13	6.14e-03	8.83e-03219,225,230	0.28	219	0.0	0.0	0.0
	8.64e-03	6.17e-03	0.0	211,210,0	0.13	4.39e-04	4.39e-04219,228,228			1.00	0.04	0.96
1576	3.88e-03	0.03	0.0	237,100,0	0.14	5.87e-03	8.56e-03219,227,226	0.29	219	0.87	0.06	0.94
	0.01	0.01	0.0	219,218,0	0.14	1.18e-03	1.18e-03219,233,233			1.00	0.04	0.96
1577	0.0	0.03	0.0	0,100,0	0.13	5.87e-03	8.56e-03219,227,226	0.28	219	0.0	0.0	0.0
	0.01	7.74e-03	0.0	219,218,0	0.13	9.24e-04	9.24e-04219,228,228			1.00	0.04	0.96
1578	0.01	0.03	0.0	233,236,0	0.14	4.72e-03	7.89e-03219,227,228	0.29	219	0.87	0.06	0.94
	0.02	0.01	0.0	219,218,0	0.14	2.96e-03	2.96e-03219,235,235			1.00	0.04	0.96
1579	0.02	0.03	0.0	233,236,0	0.14	4.30e-03	8.79e-03219,228,236	0.29	219	0.87	0.06	0.94
	0.03	0.02	0.0	215,214,0	0.14	5.71e-03	5.71e-03219,235,235			1.00	0.04	0.96
1580	0.02	0.03	0.0	237,240,0	0.12	4.30e-03	7.74e-03219,228,236	0.27	219	0.87	0.06	0.94
	0.03	0.02	0.0	223,222,0	0.12	3.42e-03	3.42e-03219,235,235			1.00	0.04	0.96
1581	5.77e-03	0.02	0.0	233,100,0	0.13	4.72e-03	7.40e-03219,227,232	0.28	219	0.87	0.06	0.94
	0.01	9.74e-03	0.0	219,218,0	0.13	1.64e-03	1.64e-03219,235,235			1.00	0.04	0.96
1582	0.0	0.03	0.0	0,100,0	0.13	4.49e-03	7.03e-03219,226,229	0.28	219	0.0	0.0	0.0
	0.01	0.01	0.0	231,225,0	0.13	5.18e-03	5.18e-03219,225,225			1.00	0.04	0.96
1583	0.02	0.03	0.0	237,240,0	0.11	0.01	0.02219,235,234	0.25	219	0.87	0.06	0.94
	0.05	0.03	0.0	223,222,0	0.11	5.38e-03	5.38e-03219,239,239			1.00	0.04	0.96
1584	0.04	0.05	0.0	233,236,0	0.14	0.01	0.02219,235,234	0.29	219	0.87	0.06	0.94
	0.05	0.03	0.0	223,238,0	0.14	5.71e-03	5.71e-03219,235,235			1.00	0.04	0.96
1585	0.04	0.06	0.0	233,237,0	0.13	0.04	0.06219,235,235	0.28	219	0.87	0.06	0.94
	0.05	0.03	0.0	223,238,0	0.13	0.01	0.01219,239,239			1.00	0.04	0.96
1586	0.04	0.04	0.0	235,234,0	0.09	0.02	0.02219,235,234	0.23	219	0.87	0.06	0.94
	0.05	0.03	0.0	223,222,0	0.09	5.38e-03	5.38e-03219,239,239			1.00	0.04	0.96
1591	0.0	0.03	0.0	0,100,0	0.13	4.49e-03	6.78e-03219,226,227	0.27	219	0.0	0.0	0.0
	0.01	7.81e-03	0.0	227,209,0	0.13	1.48e-03	1.48e-03219,233,233			1.00	0.04	0.96
1593	0.0	0.03	0.0	0,100,0	0.14	5.68e-03	9.05e-03219,228,225	0.28	219	0.0	0.0	0.0
	0.01	0.01	0.0	231,225,0	0.14	1.29e-03	1.29e-03219,225,225			1.00	0.04	0.96
1594	0.0	0.03	0.0	0,100,0	0.13	5.68e-03	8.52e-03219,228,225	0.28	219	0.0	0.0	0.0
	0.01	7.81e-03	0.0	227,209,0	0.13	1.28e-03	1.28e-03219,225,225			1.00	0.04	0.96
1595	0.0	0.03	0.0	0,100,0	0.14	6.71e-03	9.86e-03219,225,225	0.29	219	0.0	0.0	0.0
	0.01	9.97e-03	0.0	231,230,0	0.14	1.38e-03	1.38e-03219,225,225			1.00	0.04	0.96
1596	0.0	0.03	0.0	0,100,0	0.13	6.71e-03	9.69e-03219,225,225	0.28	219	0.0	0.0	0.0
	8.93e-03	6.59e-03	0.0	231,230,0	0.13	1.27e-03	1.27e-03219,225,225			1.00	0.04	0.96
1597	0.02	0.05	0.0	228,231,0	0.11	0.01	0.02219,225,225	0.25	219	0.87	0.06	0.94
	0.02	0.01	0.0	225,228,0	0.11	6.89e-03	6.89e-03219,233,233			1.00	0.04	0.96
1603	0.0	0.03	0.0	0,100,0	0.14	6.71e-03	9.86e-03219,225,225	0.29	219	0.0	0.0	0.0
	0.01	7.77e-03	0.0	231,230,0	0.14	1.38e-03	1.38e-03219,225,225			1.00	0.04	0.96
1605	0.05	0.05	0.0	233,240,0	0.14	4.54e-03	0.01219,235,240	0.29	219	0.87	0.06	0.94
	0.03	0.02	0.0	236,233,0	0.14	3.92e-03	3.92e-03219,234,234			1.00	0.04	0.96
1606	7.39e-03	0.04	0.0	228,225,0	0.10	7.40e-03	0.01219,225,225	0.25	219	0.87	0.06	0.94
	0.01	9.44e-03	0.0	231,230,0	0.10	6.30e-03	6.30e-03219,225,225			1.00	0.04	0.96
1607	0.05	0.05	0.0	233,236,0	0.14	5.05e-03	0.01219,235,236	0.29	219	0.87	0.06	0.94
	0.05	0.03	0.0	223,238,0	0.14	5.71e-03	5.71e-03219,235,235			1.00	0.04	0.96
1608	0.05	0.05	0.0	233,240,0	0.13	0.01	0.02219,234,236	0.27	219	0.87	0.06	0.94
	0.03	0.02	0.0	236,233,0	0.13	0.01	0.01219,236,236			1.00	0.04	0.96
1609	0.05	0.05	0.0	233,236,0	0.13	0.01	0.02219,233,236	0.28	219	0.87	0.06	0.94
	0.05	0.03	0.0	223,238,0	0.13	0.01	0.01219,239,239			1.00	0.04	0.96
2019	0.08	0.09	0.0	237,240,0	0.10	0.03	0.04223,234,234	0.25	223	0.87	0.06	0.94
	0.08	0.07	0.0	222,223,0	0.10	0.02	0.02223,234,234			1.00	0.04	0.96
2020	0.07	0.08	0.0	237,240,0	0.10	0.03	0.04223,234,234	0.25	223	0.87	0.06	0.94
	0.07	0.06	0.0	222,223,0	0.10	0.02	0.02223,234,234			1.00	0.04	0.96
2021	0.04	0.06	0.0	221,224,0	0.07	0.01	0.02223,234,240	0.21	223	0.87	0.06	0.94
	8.07e-03	7.61e-03	0.0	219,218,0	0.07	1.73e-03	1.73e-03223,226,226			1.00	0.04	0.96
2032	0.03	0.04	0.0	233,216,0	0.07	0.01	0.02223,234,236	0.21	223	0.87	0.06	0.94

	0.01	0.01	0.0 236,238,0	0.07	0.01	0.01223,236,236			1.00	0.04	0.96
2033	0.03	0.04	0.0 234,236,0	0.08	0.01	0.02223,233,236	0.22	223	0.87	0.06	0.94
	0.02	0.02	0.0 234,235,0	0.08	0.01	0.01223,239,239			1.00	0.04	0.96
2044	0.03	0.06	0.0 240,237,0	0.08	0.04	0.06223,235,235	0.22	223	0.87	0.06	0.94
	0.04	0.03	0.0 234,235,0	0.08	0.01	0.01223,239,239			1.00	0.04	0.96
2045	0.04	0.06	0.0 235,237,0	0.05	0.04	0.06222,235,235	0.17	222	0.87	0.06	0.94
	0.04	0.03	0.0 234,235,0	0.05	7.94e-03	7.94e-03222,235,235			1.00	0.04	0.96
2049	0.06	0.08	0.0 228,225,0	0.12	0.03	0.04219,225,225	0.26	219	0.87	0.06	0.94
	0.06	0.04	0.0 225,225,0	0.12	0.03	0.03219,225,225			1.00	0.04	0.96
2050	0.06	0.08	0.0 228,225,0	0.12	0.02	0.04219,225,225	0.26	219	0.87	0.06	0.94
	0.06	0.04	0.0 225,225,0	0.12	0.03	0.03219,225,225			1.00	0.04	0.96
2051	0.06	0.08	0.0 228,225,0	0.12	0.02	0.04219,225,225	0.26	219	0.87	0.06	0.94
	0.06	0.04	0.0 225,225,0	0.12	0.03	0.03219,225,225			1.00	0.04	0.96
2052	0.02	0.05	0.0 212,209,0	0.13	6.03e-03	0.01219,233,233	0.28	219	0.87	0.06	0.94
	0.06	0.04	0.0 225,225,0	0.13	6.71e-03	6.71e-03219,225,225			1.00	0.04	0.96
2053	0.02	0.05	0.0 212,209,0	0.13	2.01e-03	8.84e-03219,226,233	0.28	219	0.87	0.06	0.94
	0.06	0.04	0.0 225,225,0	0.13	6.71e-03	6.71e-03219,225,225			1.00	0.04	0.96
2054	0.02	0.04	0.0 228,209,0	0.13	4.79e-03	0.01219,225,225	0.28	219	0.87	0.06	0.94
	0.06	0.04	0.0 225,225,0	0.13	6.49e-03	6.49e-03219,225,225			1.00	0.04	0.96
2055	4.39e-03	0.03	0.0 232,217,0	0.14	6.17e-03	9.77e-03219,225,225	0.28	219	0.87	0.06	0.94
	0.04	0.03	0.0 225,225,0	0.14	6.71e-03	6.71e-03219,225,225			1.00	0.04	0.96
2056	5.09e-03	0.03	0.0 232,100,0	0.14	3.31e-03	8.82e-03219,228,225	0.29	219	0.87	0.06	0.94
	0.04	0.03	0.0 225,225,0	0.14	6.71e-03	6.71e-03219,225,225			1.00	0.04	0.96
2057	5.09e-03	0.03	0.0 232,100,0	0.14	1.39e-03	7.56e-03219,225,225	0.29	219	0.87	0.06	0.94
	0.04	0.03	0.0 225,225,0	0.14	6.11e-03	6.11e-03219,225,225			1.00	0.04	0.96
2058	2.43e-03	0.03	0.0 228,100,0	0.14	6.41e-03	9.87e-03219,225,225	0.29	219	0.87	0.06	0.94
	0.02	0.02	0.0 230,231,0	0.14	4.84e-03	4.84e-03219,225,225			1.00	0.04	0.96
2059	4.88e-03	0.03	0.0 228,100,0	0.14	4.37e-03	9.87e-03219,225,225	0.29	219	0.87	0.06	0.94
	0.03	0.02	0.0 230,231,0	0.14	5.30e-03	5.30e-03219,225,225			1.00	0.04	0.96
2060	5.54e-03	0.03	0.0 228,100,0	0.14	1.78e-03	8.66e-03219,228,225	0.29	219	0.87	0.06	0.94
	0.03	0.02	0.0 230,231,0	0.14	5.30e-03	5.30e-03219,225,225			1.00	0.04	0.96
2061	0.0	0.04	0.0 0,100,0	0.14	6.41e-03	9.96e-03219,225,225	0.29	219	0.0	0.0	0.0
	0.01	0.01	0.0 230,231,0	0.14	2.97e-03	2.97e-03219,225,225			1.00	0.04	0.96
2062	4.87e-03	0.03	0.0 228,100,0	0.15	4.48e-03	9.96e-03219,225,225	0.29	219	0.87	0.06	0.94
	0.02	0.01	0.0 230,231,0	0.15	3.58e-03	3.58e-03219,225,225			1.00	0.04	0.96
2063	5.54e-03	0.03	0.0 228,100,0	0.15	2.34e-03	9.26e-03219,225,225	0.29	219	0.87	0.06	0.94
	0.02	0.01	0.0 228,231,0	0.15	3.58e-03	3.58e-03219,225,225			1.00	0.04	0.96
2064	0.0	0.04	0.0 0,100,0	0.14	6.20e-03	9.96e-03219,225,225	0.29	219	0.0	0.0	0.0
	0.01	0.01	0.0 222,223,0	0.14	1.49e-03	1.49e-03219,225,225			1.00	0.04	0.96
2065	0.0	0.03	0.0 0,100,0	0.15	4.48e-03	9.96e-03219,225,225	0.29	219	0.0	0.0	0.0
	0.01	0.01	0.0 222,223,0	0.15	2.16e-03	2.16e-03219,225,225			1.00	0.04	0.96
2066	0.0	0.03	0.0 0,100,0	0.15	2.34e-03	9.26e-03219,225,225	0.29	219	0.0	0.0	0.0
	0.01	9.56e-03	0.0 230,231,0	0.15	2.44e-03	2.44e-03219,225,225			1.00	0.04	0.96
2067	0.0	0.03	0.0 0,100,0	0.14	5.32e-03	8.72e-03219,227,226	0.29	219	0.0	0.0	0.0
	0.02	0.01	0.0 222,223,0	0.14	8.98e-04	8.98e-04219,231,231			1.00	0.04	0.96
2068	3.44e-03	0.03	0.0 227,100,0	0.15	3.86e-03	8.72e-03219,231,226	0.30	219	0.87	0.06	0.94
	0.02	0.01	0.0 222,223,0	0.15	1.36e-03	1.36e-03219,225,225			1.00	0.04	0.96
2069	4.70e-03	0.03	0.0 227,100,0	0.15	2.26e-03	8.35e-03219,225,228	0.30	219	0.87	0.06	0.94
	8.89e-03	7.92e-03	0.0 222,223,0	0.15	1.56e-03	1.56e-03219,225,225			1.00	0.04	0.96
2070	6.74e-03	0.03	0.0 237,100,0	0.14	5.32e-03	8.72e-03219,227,226	0.29	219	0.87	0.06	0.94
	0.02	0.02	0.0 222,223,0	0.14	5.77e-04	5.77e-04219,225,225			1.00	0.04	0.96
2071	9.37e-03	0.03	0.0 237,240,0	0.15	3.74e-03	8.72e-03219,227,226	0.30	219	0.87	0.06	0.94
	0.02	0.02	0.0 222,223,0	0.15	8.73e-04	8.73e-04219,225,225			1.00	0.04	0.96
2072	9.47e-03	0.03	0.0 237,240,0	0.15	1.94e-03	7.92e-03219,225,226	0.30	219	0.87	0.06	0.94
	9.87e-03	8.75e-03	0.0 222,223,0	0.15	9.78e-04	9.78e-04219,225,225			1.00	0.04	0.96
2073	0.02	0.03	0.0 233,236,0	0.14	5.57e-03	9.73e-03219,233,236	0.29	219	0.87	0.06	0.94
	0.03	0.03	0.0 222,223,0	0.14	1.92e-03	1.92e-03219,235,235			1.00	0.04	0.96
2074	0.02	0.03	0.0 233,236,0	0.15	3.52e-03	9.32e-03219,227,236	0.30	219	0.87	0.06	0.94
	0.03	0.03	0.0 222,223,0	0.15	1.92e-03	1.92e-03219,235,235			1.00	0.04	0.96
2075	0.02	0.03	0.0 233,236,0	0.15	1.47e-03	7.79e-03219,225,236	0.30	219	0.87	0.06	0.94
	0.01	9.84e-03	0.0 222,223,0	0.15	1.41e-03	1.41e-03219,235,235			1.00	0.04	0.96
2076	0.03	0.04	0.0 233,240,0	0.15	5.99e-03	0.01219,238,236	0.29	219	0.87	0.06	0.94
	0.04	0.04	0.0 222,223,0	0.15	4.82e-03	4.82e-03219,234,234			1.00	0.04	0.96
2077	0.03	0.04	0.0 233,240,0	0.15	3.23e-03	9.81e-03219,239,236	0.30	219	0.87	0.06	0.94
	0.04	0.04	0.0 222,223,0	0.15	4.82e-03	4.82e-03219,234,234			1.00	0.04	0.96
2078	0.03	0.04	0.0 233,236,0	0.15	1.49e-03	8.99e-03219,233,236	0.30	219	0.87	0.06	0.94
	0.01	0.01	0.0 238,239,0	0.15	2.15e-03	2.15e-03219,235,235			1.00	0.04	0.96
2079	0.05	0.06	0.0 221,224,0	0.15	7.71e-03	0.02219,234,240	0.30	219	0.87	0.06	0.94
	0.07	0.05	0.0 214,215,0	0.15	8.80e-03	8.80e-03219,234,234			1.00	0.04	0.96
2080	0.04	0.06	0.0 221,224,0	0.15	7.22e-03	0.01219,234,240	0.30	219	0.87	0.06	0.94
	0.07	0.05	0.0 214,215,0	0.15	5.07e-03	5.07e-03219,234,234			1.00	0.04	0.96
2081	0.04	0.05	0.0 237,240,0	0.15	7.22e-03	0.01219,234,240	0.30	219	0.87	0.06	0.94
	0.01	0.01	0.0 238,239,0	0.15	2.97e-03	2.97e-03219,234,234			1.00	0.04	0.96
2082	0.08	0.09	0.0 237,240,0	0.15	0.03	0.04219,234,234	0.30	219	0.87	0.06	0.94
	0.08	0.07	0.0 222,223,0	0.15	0.02	0.02219,234,234			1.00	0.04	0.96

2083	0.07	0.08	0.0	237,240,0	0.15	0.03	0.04219,234,234	0.30	219	0.87	0.06	0.94
	0.07	0.06	0.0	222,223,0	0.15	0.02	0.02219,234,234			1.00	0.04	0.96
2084	0.04	0.06	0.0	237,224,0	0.14	0.01	0.02219,234,240	0.28	219	0.87	0.06	0.94
	9.48e-03	7.61e-03	0.0	236,218,0	0.14	2.97e-03	2.97e-03219,234,234			1.00	0.04	0.96
2085	0.04	0.06	0.0	228,225,0	0.12	0.02	0.03219,225,225	0.26	219	0.87	0.06	0.94
	0.03	0.02	0.0	225,225,0	0.12	8.63e-03	8.63e-03219,225,225			1.00	0.04	0.96
2086	0.02	0.04	0.0	228,229,0	0.11	0.01	0.02219,225,225	0.26	219	0.87	0.06	0.94
	0.01	8.14e-03	0.0	225,225,0	0.11	6.43e-03	6.43e-03219,225,225			1.00	0.04	0.96
2087	0.01	0.04	0.0	212,209,0	0.13	4.79e-03	0.01219,225,225	0.28	219	0.87	0.06	0.94
	0.04	0.03	0.0	225,225,0	0.13	6.49e-03	6.49e-03219,225,225			1.00	0.04	0.96
2088	7.75e-03	0.03	0.0	220,213,0	0.13	4.29e-03	8.06e-03219,233,233	0.27	219	0.87	0.06	0.94
	0.02	0.02	0.0	228,225,0	0.13	6.43e-03	6.43e-03219,225,225			1.00	0.04	0.96
2089	4.52e-03	0.03	0.0	228,100,0	0.14	2.54e-03	7.66e-03219,225,229	0.29	219	0.87	0.06	0.94
	0.04	0.03	0.0	225,225,0	0.14	3.43e-03	3.43e-03219,225,225			1.00	0.04	0.96
2090	2.14e-03	0.03	0.0	232,100,0	0.14	3.02e-03	7.66e-03219,228,229	0.28	219	0.87	0.06	0.94
	0.02	0.02	0.0	225,225,0	0.14	5.18e-03	5.18e-03219,225,225			1.00	0.04	0.96
2091	5.54e-03	0.03	0.0	228,100,0	0.14	2.54e-03	8.67e-03219,225,225	0.29	219	0.87	0.06	0.94
	0.03	0.02	0.0	228,225,0	0.14	3.43e-03	3.43e-03219,225,225			1.00	0.04	0.96
2092	2.64e-03	0.03	0.0	228,100,0	0.14	4.13e-03	9.05e-03219,225,225	0.29	219	0.87	0.06	0.94
	0.02	0.02	0.0	225,225,0	0.14	2.49e-03	2.49e-03219,225,225			1.00	0.04	0.96
2093	5.54e-03	0.03	0.0	228,100,0	0.15	2.43e-03	8.91e-03219,225,225	0.29	219	0.87	0.06	0.94
	0.02	0.01	0.0	228,225,0	0.15	3.29e-03	3.29e-03219,225,225			1.00	0.04	0.96
2094	2.64e-03	0.03	0.0	228,100,0	0.14	4.44e-03	9.86e-03219,225,225	0.29	219	0.87	0.06	0.94
	0.02	0.01	0.0	228,225,0	0.14	2.49e-03	2.49e-03219,225,225			1.00	0.04	0.96
2095	0.0	0.03	0.0	0,100,0	0.15	2.05e-03	8.91e-03219,231,225	0.29	219	0.0	0.0	0.0
	9.82e-03	8.48e-03	0.0	230,231,0	0.15	2.44e-03	2.44e-03219,225,225			1.00	0.04	0.96
2096	0.0	0.03	0.0	0,100,0	0.15	4.44e-03	9.86e-03219,225,225	0.29	219	0.0	0.0	0.0
	0.01	8.14e-03	0.0	231,225,0	0.15	2.24e-03	2.24e-03219,225,225			1.00	0.04	0.96
2097	4.70e-03	0.03	0.0	227,100,0	0.15	1.84e-03	8.10e-03219,227,230	0.30	219	0.87	0.06	0.94
	5.36e-03	4.87e-03	0.0	212,231,0	0.15	1.56e-03	1.56e-03219,225,225			1.00	0.04	0.96
2098	3.11e-03	0.03	0.0	225,100,0	0.15	4.23e-03	9.12e-03219,225,228	0.29	219	0.87	0.06	0.94
	0.01	8.30e-03	0.0	219,218,0	0.15	1.45e-03	1.45e-03219,225,225			1.00	0.04	0.96
2099	9.47e-03	0.03	0.0	237,240,0	0.15	1.97e-03	7.68e-03219,227,232	0.30	219	0.87	0.06	0.94
	5.22e-03	4.72e-03	0.0	219,218,0	0.15	1.21e-03	1.21e-03219,225,225			1.00	0.04	0.96
2100	8.30e-03	0.03	0.0	233,236,0	0.15	3.89e-03	8.34e-03219,225,232	0.29	219	0.87	0.06	0.94
	0.01	0.01	0.0	219,218,0	0.15	1.21e-03	1.21e-03219,225,225			1.00	0.04	0.96
2101	0.02	0.03	0.0	233,236,0	0.15	2.19e-03	7.86e-03219,235,236	0.30	219	0.87	0.06	0.94
	7.31e-03	6.40e-03	0.0	216,213,0	0.15	2.89e-03	2.89e-03219,235,235			1.00	0.04	0.96
2102	0.02	0.03	0.0	233,236,0	0.15	3.39e-03	7.89e-03219,225,228	0.29	219	0.87	0.06	0.94
	0.02	0.01	0.0	219,218,0	0.15	2.96e-03	2.96e-03219,235,235			1.00	0.04	0.96
2103	0.03	0.04	0.0	233,236,0	0.15	2.19e-03	8.83e-03219,235,236	0.29	219	0.87	0.06	0.94
	0.02	0.01	0.0	236,233,0	0.15	3.92e-03	3.92e-03219,234,234			1.00	0.04	0.96
2104	0.03	0.04	0.0	233,236,0	0.14	3.24e-03	8.83e-03219,235,236	0.29	219	0.87	0.06	0.94
	0.03	0.02	0.0	215,214,0	0.14	5.71e-03	5.71e-03219,235,235			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.08	0.09	0.0	0.15	0.04	0.06	0.30

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
47	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.48	55.2	177	0.59	68.0	177	0.72	1.163e+04	1.647e+06	215

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
90	0.05	0.08	0.0	233,236,0	0.07	1.74e-03	8.32e-03	214,69,240	0.21	214	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.07	7.58e-03	7.58e-03	214,68,68			1.00	0.04	0.96
91	0.05	0.08	0.0	233,236,0	0.05	5.68e-03	9.53e-03	212,69,240	0.17	212	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.05	7.58e-03	7.58e-03	212,68,68			1.00	0.04	0.96
93	0.05	0.07	0.0	237,240,0	0.04	5.68e-03	9.53e-03	212,69,240	0.15	212	0.87	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.04	3.54e-03	3.54e-03	212,68,68			1.00	0.04	0.96
146	0.04	0.06	0.0	235,234,0	0.07	6.68e-03	9.20e-03	214,69,66	0.21	214	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.07	5.45e-03	5.45e-03	214,68,68			1.00	0.04	0.96
148	0.05	0.06	0.0	215,214,0	0.05	0.01	0.01	214,69,68	0.17	214	0.87	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.05	1.13e-03	1.13e-03	214,66,66			1.00	0.04	0.96
150	0.15	0.15	0.0	212,209,0	0.03	0.01	0.02209,69,209		0.14	209	0.87	0.06	0.94
	0.02	0.01	0.0	228,225,0	0.03	1.30e-03	1.30e-03	209,68,68			1.00	0.04	0.96
152	0.15	0.15	0.0	212,209,0	0.02	0.01	0.02209,69,209		0.11	209	0.87	0.06	0.94

	0.01	7.08e-03	0.0 232,229,0	0.02	1.30e-03	1.30e-03 209,68,68			1.00	0.04	0.96
1614	0.16	0.15	0.0 212,209,0	0.02	0.01	0.02 209,69,68	0.11	209	0.87	0.06	0.94
	0.17	0.11	0.0 212,209,0	0.02	2.58e-03	2.58e-03209,236,236			1.00	0.04	0.96
1615	0.16	0.15	0.0 212,209,0	0.05	0.01	0.02 209,69,68	0.17	209	0.87	0.06	0.94
	0.17	0.11	0.0 212,209,0	0.05	2.58e-03	2.58e-03209,236,236			1.00	0.04	0.96
1616	0.18	0.17	0.0 212,209,0	0.17	0.01	0.02 212,68,68	0.31	212	0.87	0.06	0.94
	0.17	0.11	0.0 212,209,0	0.17	2.58e-03	2.58e-03212,236,236			1.00	0.04	0.96
1617	0.18	0.17	0.0 212,209,0	0.20	0.01	0.02 209,68,68	0.35	209	0.87	0.06	0.94
	0.17	0.11	0.0 212,209,0	0.20	3.08e-03	3.08e-03 209,68,68			1.00	0.04	0.96
1618	0.18	0.17	0.0 212,209,0	0.17	4.54e-03	0.02212,68,209	0.31	212	0.87	0.06	0.94
	0.12	0.08	0.0 212,209,0	0.17	2.14e-03	2.14e-03212,236,236			1.00	0.04	0.96
1619	0.18	0.17	0.0 212,209,0	0.28	4.54e-03	0.02212,68,209	0.41	212	0.87	0.06	0.94
	0.12	0.08	0.0 212,209,0	0.28	3.77e-03	3.77e-03 212,68,68			1.00	0.04	0.96
1620	0.05	0.06	0.0 215,214,0	0.07	0.01	0.01 209,69,68	0.21	209	0.87	0.06	0.94
	0.12	0.08	0.0 212,209,0	0.07	7.81e-03	7.81e-03 209,68,68			1.00	0.04	0.96
1621	0.05	0.05	0.0 215,214,0	0.20	6.41e-03	0.01 209,69,66	0.35	209	0.87	0.06	0.94
	0.12	0.08	0.0 212,209,0	0.20	0.01	0.01 209,68,68			1.00	0.04	0.96
1622	0.04	0.05	0.0 215,214,0	0.33	2.90e-03	0.01 209,69,66	0.44	209	0.87	0.06	0.94
	0.07	0.05	0.0 212,209,0	0.33	0.01	0.01 209,68,68			1.00	0.04	0.96
1623	0.04	0.06	0.0 235,234,0	0.09	6.68e-03	9.20e-03 214,69,66	0.23	214	0.87	0.06	0.94
	0.08	0.05	0.0 212,209,0	0.09	0.02	0.02 214,68,68			1.00	0.04	0.96
1624	0.03	0.05	0.0 235,234,0	0.20	2.97e-03	7.60e-03 209,69,66	0.34	209	0.87	0.06	0.94
	0.08	0.05	0.0 212,209,0	0.20	0.02	0.02 209,68,68			1.00	0.04	0.96
1625	0.03	0.04	0.0 235,234,0	0.37	1.13e-03	7.12e-03209,234,234	0.47	209	0.87	0.06	0.94
	0.07	0.05	0.0 213,68,0	0.37	0.02	0.02 209,68,68			1.00	0.04	0.96
1626	0.05	0.08	0.0 233,236,0	0.09	1.74e-03	8.32e-03214,69,240	0.23	214	0.87	0.06	0.94
	0.05	0.04	0.0 212,209,0	0.09	0.02	0.02 214,68,68			1.00	0.04	0.96
1627	0.04	0.06	0.0 233,240,0	0.18	1.57e-03	8.32e-03210,100,240	0.33	210	0.87	0.06	0.94
	0.12	0.08	0.0 209,212,0	0.18	0.02	0.02 210,68,68			1.00	0.04	0.96
1628	0.03	0.05	0.0 237,240,0	0.39	1.26e-03	7.37e-03212,100,234	0.48	212	0.87	0.06	0.94
	0.12	0.08	0.0 209,212,0	0.39	0.03	0.03 212,68,68			1.00	0.04	0.96
1629	0.12	0.12	0.0 212,209,0	0.13	5.66e-03	0.02 212,69,68	0.28	212	0.87	0.06	0.94
	0.03	0.02	0.0 209,212,0	0.13	6.63e-04	6.63e-04212,236,236			1.00	0.04	0.96
1630	0.12	0.12	0.0 212,209,0	0.28	5.66e-03	0.02 212,69,68	0.41	212	0.87	0.06	0.94
	0.03	0.02	0.0 212,209,0	0.28	3.77e-03	3.77e-03 212,68,68			1.00	0.04	0.96
1631	0.08	0.08	0.0 215,214,0	0.12	0.01	0.02 212,67,68	0.26	212	0.87	0.06	0.94
	0.04	0.03	0.0 214,215,0	0.12	4.89e-04	4.89e-04 212,68,68			1.00	0.04	0.96
1632	0.08	0.08	0.0 215,214,0	0.27	0.01	0.02 212,67,68	0.40	212	0.87	0.06	0.94
	0.04	0.03	0.0 214,215,0	0.27	3.26e-03	3.26e-03 212,68,68			1.00	0.04	0.96
1633	0.04	0.05	0.0 215,214,0	0.33	3.37e-03	0.01 209,69,66	0.44	209	0.87	0.06	0.94
	0.05	0.04	0.0 212,209,0	0.33	0.01	0.01 209,68,68			1.00	0.04	0.96
1634	0.04	0.05	0.0 215,214,0	0.32	6.83e-03	0.01 209,69,66	0.43	209	0.87	0.06	0.94
	0.05	0.04	0.0 212,209,0	0.32	0.01	0.01 209,68,68			1.00	0.04	0.96
1635	0.03	0.04	0.0 235,234,0	0.37	1.45e-03	6.68e-03 209,69,66	0.47	209	0.87	0.06	0.94
	0.09	0.06	0.0 212,209,0	0.37	0.02	0.02 209,68,68			1.00	0.04	0.96
1636	0.02	0.04	0.0 235,234,0	0.37	3.28e-03	7.36e-03 209,69,66	0.47	209	0.87	0.06	0.94
	0.10	0.07	0.0 212,209,0	0.37	0.02	0.02 209,68,68			1.00	0.04	0.96
1637	0.02	0.04	0.0 225,240,0	0.41	1.24e-03	6.88e-03212,236,234	0.49	212	0.87	0.06	0.94
	0.14	0.10	0.0 212,209,0	0.41	0.03	0.03 212,68,68			1.00	0.04	0.96
1638	0.02	0.04	0.0 225,240,0	0.41	1.82e-03	6.32e-03212,100,240	0.49	212	0.87	0.06	0.94
	0.17	0.11	0.0 212,209,0	0.41	0.03	0.03 212,68,68			1.00	0.04	0.96
1639	0.04	0.05	0.0 215,214,0	0.08	0.02	0.02 212,68,68	0.22	212	0.87	0.06	0.94
	0.06	0.04	0.0 214,215,0	0.08	9.45e-04	9.45e-04212,235,235			1.00	0.04	0.96
1640	0.04	0.05	0.0 215,214,0	0.18	0.02	0.02 209,68,68	0.33	209	0.87	0.06	0.94
	0.06	0.04	0.0 214,215,0	0.18	1.95e-03	1.95e-03 209,68,68			1.00	0.04	0.96
1641	9.50e-03	0.02	0.0 215,214,0	7.04e-03	0.02	0.02 209,68,68	0.06	209	0.87	0.06	0.94
	0.06	0.04	0.0 214,215,0	7.04e-03	9.45e-04	9.45e-04209,235,235			1.00	0.04	0.96
1642	0.03	0.03	0.0 215,214,0	0.07	0.02	0.02 209,68,68	0.21	209	0.87	0.06	0.94
	0.06	0.04	0.0 214,215,0	0.07	1.41e-03	1.41e-03 209,68,68			1.00	0.04	0.96
1643	0.04	0.04	0.0 215,214,0	0.19	0.01	0.01 209,69,66	0.33	209	0.87	0.06	0.94
	0.05	0.03	0.0 212,209,0	0.19	7.66e-03	7.66e-03 209,68,68			1.00	0.04	0.96
1644	0.03	0.03	0.0 215,214,0	0.09	0.01	0.01 209,69,66	0.23	209	0.87	0.06	0.94
	0.04	0.02	0.0 210,211,0	0.09	1.41e-03	1.41e-03 209,68,68			1.00	0.04	0.96
1645	0.02	0.03	0.0 235,234,0	0.19	6.52e-03	8.40e-03 209,69,66	0.33	209	0.87	0.06	0.94
	0.10	0.07	0.0 212,209,0	0.19	0.02	0.02 209,68,68			1.00	0.04	0.96
1646	0.02	0.03	0.0 215,214,0	0.10	6.52e-03	8.40e-03 210,69,66	0.25	210	0.87	0.06	0.94
	0.02	0.01	0.0 68,225,0	0.10	5.97e-03	5.97e-03 210,68,68			1.00	0.04	0.96
1647	0.01	0.03	0.0 209,236,0	0.18	3.10e-03	5.66e-03210,234,100	0.33	210	0.87	0.06	0.94
	0.17	0.11	0.0 212,209,0	0.18	0.02	0.02 210,68,68			1.00	0.04	0.96
1648	4.71e-03	0.02	0.0 233,236,0	0.10	3.10e-03	5.63e-03210,234,240	0.25	210	0.87	0.06	0.94
	0.03	0.02	0.0 212,209,0	0.10	7.64e-03	7.64e-03 210,68,68			1.00	0.04	0.96
1649	0.05	0.08	0.0 233,236,0	0.06	5.68e-03	0.01212,69,240	0.19	212	0.87	0.06	0.94
	0.05	0.03	0.0 68,68,0	0.06	0.02	0.02 212,68,68			1.00	0.04	0.96
1650	0.06	0.08	0.0 225,232,0	0.12	3.51e-03	0.01212,69,240	0.27	212	0.87	0.06	0.94
	0.16	0.11	0.0 209,212,0	0.12	0.02	0.02 212,68,68			1.00	0.04	0.96

1651	0.06	0.08	0.0	225,232,0	0.39	4.03e-03	0.01212,68,240	0.48	212	0.87	0.06	0.94
	0.17	0.12	0.0	209,212,0	0.39	0.03	0.03 212,68,68			1.00	0.04	0.96
1652	0.05	0.07	0.0	225,236,0	0.04	5.68e-03	0.01212,69,240	0.16	212	0.87	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.04	0.01	0.01 212,68,68			1.00	0.04	0.96
1653	0.06	0.08	0.0	225,232,0	0.05	3.51e-03	0.01212,69,240	0.18	212	0.87	0.06	0.94
	0.16	0.11	0.0	209,212,0	0.05	0.02	0.02 212,68,68			1.00	0.04	0.96
1654	0.06	0.08	0.0	225,232,0	0.34	4.03e-03	0.01212,68,240	0.45	212	0.87	0.06	0.94
	0.17	0.12	0.0	209,212,0	0.34	0.02	0.02 212,68,68			1.00	0.04	0.96
1655	0.05	0.08	0.0	225,240,0	0.41	4.03e-03	0.01212,68,240	0.49	212	0.87	0.06	0.94
	0.19	0.13	0.0	212,209,0	0.41	0.03	0.03 212,68,68			1.00	0.04	0.96
1656	0.04	0.06	0.0	211,210,0	0.41	3.29e-03	9.86e-03212,92,234	0.49	212	0.87	0.06	0.94
	0.22	0.14	0.0	212,209,0	0.41	0.03	0.03 212,68,68			1.00	0.04	0.96
1657	0.05	0.08	0.0	225,240,0	0.37	4.03e-03	0.01212,68,240	0.46	212	0.87	0.06	0.94
	0.19	0.13	0.0	212,209,0	0.37	0.02	0.02 212,68,68			1.00	0.04	0.96
1658	0.04	0.06	0.0	211,210,0	0.37	3.29e-03	9.86e-03212,92,234	0.46	212	0.87	0.06	0.94
	0.22	0.14	0.0	212,209,0	0.37	0.02	0.02 212,68,68			1.00	0.04	0.96
1659	0.04	0.06	0.0	211,210,0	0.13	6.66e-03	9.86e-03212,69,234	0.28	212	0.87	0.06	0.94
	0.22	0.14	0.0	212,209,0	0.13	0.02	0.02 212,68,68			1.00	0.04	0.96
1660	0.02	0.04	0.0	215,214,0	0.08	6.66e-03	9.08e-03212,69,234	0.21	212	0.87	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.08	7.64e-03	7.64e-03 212,68,68			1.00	0.04	0.96
1661	0.04	0.06	0.0	211,210,0	0.06	6.66e-03	9.86e-03212,69,234	0.19	212	0.87	0.06	0.94
	0.22	0.14	0.0	212,209,0	0.06	0.01	0.01 212,68,68			1.00	0.04	0.96
1662	0.02	0.04	0.0	215,214,0	0.06	6.66e-03	9.08e-03212,69,234	0.19	212	0.87	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.06	3.96e-03	3.96e-03 212,68,68			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.22	0.17	0.0	0.41	0.03	0.03	0.49

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
48	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	NV

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
NV	0.84	-9.5	180	1.04	-11.8	180	0.07	-152.3	1.325e+04	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
45	0.02	0.04	0.0	235,234,0	0.03	0.03	0.03	212,65,68	0.13	212	0.87	0.06	0.94
	3.55e-03	3.62e-03	0.0	214,215,0	0.03	8.51e-04	8.51e-04	212,235,235			1.00	0.04	0.96
46	0.02	0.04	0.0	237,240,0	0.03	0.03	0.03	212,65,68	0.13	212	0.87	0.06	0.94
	3.55e-03	3.62e-03	0.0	214,215,0	0.03	8.51e-04	8.51e-04	212,235,235			1.00	0.04	0.96
48	0.02	0.04	0.0	237,240,0	0.03	0.03	0.03	212,69,68	0.13	212	0.87	0.06	0.94
	3.50e-03	3.40e-03	0.0	230,231,0	0.03	8.42e-04	8.42e-04	212,228,228			1.00	0.04	0.96
1663	0.04	0.05	0.0	69,68,0	0.03	0.03	0.04	212,69,68	0.13	212	0.87	0.06	0.94
	9.55e-03	5.77e-03	0.0	214,215,0	0.03	1.70e-03	1.70e-03	212,234,234			1.00	0.04	0.96
1664	0.04	0.06	0.0	69,240,0	0.03	0.03	0.04	212,65,68	0.13	212	0.87	0.06	0.94
	0.01	8.21e-03	0.0	212,209,0	0.03	1.70e-03	1.70e-03	212,234,234			1.00	0.04	0.96
1665	0.07	0.07	0.0	69,214,0	0.03	0.02	0.05	212,69,68	0.13	212	0.87	0.06	0.94
	0.02	0.01	0.0	236,233,0	0.03	5.19e-03	5.19e-03	212,69,69			1.00	0.04	0.96
1666	0.07	0.09	0.0	209,212,0	0.03	0.02	0.05	212,69,68	0.13	212	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	0.03	5.83e-03	5.83e-03	212,69,69			1.00	0.04	0.96
1667	0.08	0.08	0.0	69,68,0	0.42	0.02	0.05	212,69,68	0.50	212	0.87	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.42	5.71e-03	5.71e-03	212,69,69			1.00	0.04	0.96
1668	0.08	0.09	0.0	69,212,0	0.42	0.02	0.05	212,69,68	0.50	212	0.87	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.42	6.62e-03	6.62e-03	212,69,69			1.00	0.04	0.96
1669	0.04	0.06	0.0	69,240,0	0.03	0.03	0.04	212,65,68	0.13	212	0.87	0.06	0.94
	0.01	8.21e-03	0.0	212,209,0	0.03	1.60e-03	1.60e-03	212,234,234			1.00	0.04	0.96
1670	0.07	0.09	0.0	209,212,0	0.03	0.02	0.05	212,69,68	0.12	212	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	0.03	5.83e-03	5.83e-03	212,69,69			1.00	0.04	0.96
1671	0.08	0.09	0.0	69,212,0	0.41	0.02	0.05	212,69,68	0.49	212	0.87	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.41	6.62e-03	6.62e-03	212,69,69			1.00	0.04	0.96
1672	0.09	0.10	0.0	209,212,0	0.42	0.01	0.04	212,71,68	0.50	212	0.87	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.42	5.71e-03	5.71e-03	212,69,69			1.00	0.04	0.96
1673	0.09	0.10	0.0	209,212,0	0.42	0.01	0.04	212,71,68	0.50	212	0.87	0.06	0.94
	0.05	0.03	0.0	212,209,0	0.42	6.62e-03	6.62e-03	212,69,69			1.00	0.04	0.96
1674	0.09	0.10	0.0	209,212,0	0.42	0.02	0.04	212,69,68	0.50	212	0.87	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.42	3.24e-03	3.24e-03	212,69,69			1.00	0.04	0.96
1675	0.09	0.10	0.0	209,212,0	0.42	0.03	0.05	212,68,68	0.50	212	0.87	0.06	0.94
	0.05	0.03	0.0	212,209,0	0.42	4.16e-03	4.16e-03	212,69,69			1.00	0.04	0.96
1676	0.08	0.09	0.0	69,68,0	0.41	0.01	0.04	212,69,68	0.49	212	0.87	0.06	0.94

	0.05	0.03	0.0	212,209,0	0.41	6.62e-03	6.62e-03	212,69,69			1.00	0.04	0.96
1677	0.08	0.08	0.0	215,214,0	0.41	0.03	0.05	212,68,68	0.49	212	0.87	0.06	0.94
	0.05	0.03	0.0	212,209,0	0.41	4.16e-03	4.16e-03	212,69,69			1.00	0.04	0.96
1678	0.09	0.10	0.0	209,212,0	0.05	0.03	0.04	212,69,68	0.17	212	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.05	2.88e-03	2.88e-03	212,69,69			1.00	0.04	0.96
1679	0.09	0.10	0.0	209,212,0	0.05	0.03	0.05	212,71,68	0.17	212	0.87	0.06	0.94
	0.05	0.03	0.0	212,209,0	0.05	3.42e-03	3.42e-03	212,69,69			1.00	0.04	0.96
1680	0.04	0.05	0.0	209,212,0	0.05	0.03	0.04	212,69,68	0.17	212	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.05	1.41e-03	1.41e-03	212,68,68			1.00	0.04	0.96
1681	0.04	0.05	0.0	209,212,0	0.05	0.03	0.04	212,71,68	0.17	212	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.05	1.63e-03	1.63e-03	212,237,237			1.00	0.04	0.96
1682	0.08	0.08	0.0	215,214,0	0.04	0.03	0.05	209,71,68	0.15	209	0.87	0.06	0.94
	0.05	0.03	0.0	212,209,0	0.04	3.42e-03	3.42e-03	209,69,69			1.00	0.04	0.96
1683	0.03	0.04	0.0	215,214,0	0.04	0.03	0.04	209,71,68	0.15	209	0.87	0.06	0.94
	8.71e-03	6.26e-03	0.0	214,215,0	0.04	1.63e-03	1.63e-03	209,237,237			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.09	0.10	0.0	0.42	0.03	0.05	0.50

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
49	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.89	18.8	182	0.86	18.3	182	0.70	8367.3	-8.258e+04	237

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
21	0.12	0.12	0.0	237,240,0	0.04	0.04	0.06	214,234,234	0.15	214	0.87	0.06	0.94
	2.47e-03	3.68e-03	0.0	229,235,0	0.04	1.29e-03	1.29e-03	214,67,67			1.00	0.04	0.96
22	0.12	0.12	0.0	237,240,0	0.04	0.04	0.06	214,234,234	0.15	214	0.87	0.06	0.94
	8.31e-03	7.25e-03	0.0	69,68,0	0.04	4.06e-03	4.06e-03	214,68,68			1.00	0.04	0.96
24	0.06	0.07	0.0	237,240,0	0.03	0.02	0.02	211,69,68	0.13	211	0.87	0.06	0.94
	8.31e-03	7.25e-03	0.0	69,68,0	0.03	4.06e-03	4.06e-03	211,68,68			1.00	0.04	0.96
1684	0.06	0.07	0.0	237,240,0	0.03	0.02	0.03	211,69,68	0.13	211	0.87	0.06	0.94
	9.07e-03	7.25e-03	0.0	214,68,0	0.03	4.06e-03	4.06e-03	211,68,68			1.00	0.04	0.96
1685	0.12	0.12	0.0	237,240,0	0.04	0.04	0.06	214,234,234	0.15	214	0.87	0.06	0.94
	9.07e-03	7.25e-03	0.0	214,68,0	0.04	4.06e-03	4.06e-03	214,68,68			1.00	0.04	0.96
1686	0.06	0.07	0.0	235,234,0	0.03	0.02	0.03	215,69,68	0.14	215	0.87	0.06	0.94
	0.13	0.09	0.0	212,209,0	0.03	3.68e-03	3.68e-03	215,69,69			1.00	0.04	0.96
1687	0.08	0.08	0.0	237,240,0	0.06	0.02	0.03	214,69,68	0.19	214	0.87	0.06	0.94
	0.13	0.09	0.0	212,209,0	0.06	3.68e-03	3.68e-03	214,69,69			1.00	0.04	0.96
1688	0.06	0.07	0.0	235,234,0	0.37	0.01	0.03	212,68,68	0.47	212	0.87	0.06	0.94
	0.14	0.09	0.0	212,209,0	0.37	4.47e-03	4.47e-03	212,69,69			1.00	0.04	0.96
1689	0.06	0.07	0.0	237,240,0	0.37	0.01	0.03	212,68,68	0.47	212	0.87	0.06	0.94
	0.14	0.09	0.0	212,209,0	0.37	4.47e-03	4.47e-03	212,69,69			1.00	0.04	0.96
1690	0.12	0.12	0.0	237,240,0	0.04	0.04	0.06	214,234,234	0.15	214	0.87	0.06	0.94
	2.47e-03	3.68e-03	0.0	229,235,0	0.04	3.33e-03	3.33e-03	214,235,235			1.00	0.04	0.96
1691	0.08	0.08	0.0	237,240,0	0.06	0.01	0.02	214,234,234	0.19	214	0.87	0.06	0.94
	0.05	0.03	0.0	212,209,0	0.06	3.33e-03	3.33e-03	214,235,235			1.00	0.04	0.96
1692	0.06	0.07	0.0	237,240,0	0.32	4.42e-03	0.01	211,234,240	0.44	211	0.87	0.06	0.94
	0.05	0.03	0.0	212,209,0	0.32	9.78e-04	9.78e-04	211,68,68			1.00	0.04	0.96
1693	0.07	0.08	0.0	233,236,0	0.37	7.64e-03	0.03	212,69,68	0.47	212	0.87	0.06	0.94
	0.14	0.09	0.0	212,212,0	0.37	4.47e-03	4.47e-03	212,69,69			1.00	0.04	0.96
1694	0.07	0.08	0.0	233,236,0	0.37	7.64e-03	0.03	212,69,68	0.47	212	0.87	0.06	0.94
	0.14	0.09	0.0	212,212,0	0.37	4.47e-03	4.47e-03	212,69,69			1.00	0.04	0.96
1695	0.07	0.08	0.0	233,236,0	0.37	0.02	0.03	212,67,68	0.47	212	0.87	0.06	0.94
	0.13	0.09	0.0	209,212,0	0.37	3.09e-03	3.09e-03	212,69,69			1.00	0.04	0.96
1696	0.07	0.08	0.0	233,236,0	0.37	0.02	0.03	212,67,68	0.47	212	0.87	0.06	0.94
	0.13	0.09	0.0	209,212,0	0.37	3.09e-03	3.09e-03	212,69,69			1.00	0.04	0.96
1697	0.05	0.06	0.0	237,240,0	0.32	2.22e-03	0.01	211,234,240	0.44	211	0.87	0.06	0.94
	0.05	0.03	0.0	212,212,0	0.32	1.45e-03	1.45e-03	211,68,68			1.00	0.04	0.96
1698	0.03	0.04	0.0	235,234,0	0.29	3.67e-03	9.15e-03	215,69,66	0.42	215	0.87	0.06	0.94
	0.05	0.03	0.0	209,212,0	0.29	1.45e-03	1.45e-03	215,68,68			1.00	0.04	0.96
1699	0.07	0.07	0.0	237,240,0	0.04	0.02	0.03	215,69,68	0.15	215	0.87	0.06	0.94
	0.13	0.09	0.0	209,212,0	0.04	4.14e-03	4.14e-03	215,68,68			1.00	0.04	0.96
1700	0.07	0.07	0.0	237,240,0	0.06	0.02	0.03	214,69,68	0.20	214	0.87	0.06	0.94
	0.13	0.09	0.0	209,212,0	0.06	5.58e-03	5.58e-03	214,68,68			1.00	0.04	0.96
1701	0.04	0.05	0.0	233,236,0	0.03	0.02	0.03	212,69,68	0.14	212	0.87	0.06	0.94
	9.20e-03	8.47e-03	0.0	69,68,0	0.03	4.14e-03	4.14e-03	212,68,68			1.00	0.04	0.96

1702	0.04	0.05	0.0	233,236,0	0.03	0.02	0.03	214,69,68	0.14	214	0.87	0.06	0.94
	9.20e-03	8.47e-03	0.0	69,68,0	0.03	5.58e-03	5.58e-03	214,68,68			1.00	0.04	0.96
1703	0.02	0.03	0.0	215,214,0	0.06	6.05e-03	8.94e-03	214,69,66	0.20	214	0.87	0.06	0.94
	0.05	0.03	0.0	209,212,0	0.06	5.58e-03	5.58e-03	214,68,68			1.00	0.04	0.96
1704	8.46e-03	0.02	0.0	239,238,0	0.03	6.05e-03	8.44e-03	214,69,66	0.14	214	0.87	0.06	0.94
	1.24e-03	1.81e-03	0.0	234,235,0	0.03	5.58e-03	5.58e-03	214,68,68			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.14	0.12	0.0	0.37	0.04	0.06	0.47

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
50	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
48	6.41e-03	5.56e-03	0.0	212,209,0	0.15	7.31e-04	9.50e-04	212,68,68	0.29	212	0.56	0.09	0.91
	0.01	0.02	0.0	233,68,0	0.15	0.02	0.02	212,68,68			1.00	0.04	0.96
93	1.43e-03	1.95e-03	0.0	212,209,0	0.12	6.92e-04	8.97e-04	212,69,68	0.27	212	0.56	0.09	0.91
	0.02	0.03	0.0	237,240,0	0.12	1.83e-03	1.83e-03	212,69,69			1.00	0.04	0.96
108	1.43e-03	1.95e-03	0.0	212,209,0	0.15	1.49e-03	1.76e-03	212,68,68	0.29	212	0.56	0.09	0.91
	0.02	0.03	0.0	237,240,0	0.15	5.67e-03	5.67e-03	212,69,69			1.00	0.04	0.96
111	2.25e-03	2.54e-03	0.0	212,209,0	0.16	1.49e-03	1.76e-03	212,68,68	0.30	212	0.56	0.09	0.91
	9.76e-03	0.01	0.0	69,68,0	0.16	8.66e-03	8.66e-03	212,69,69			1.00	0.04	0.96
114	6.41e-03	5.56e-03	0.0	212,209,0	0.16	1.36e-03	1.43e-03	212,68,68	0.30	212	0.56	0.09	0.91
	0.01	0.02	0.0	233,68,0	0.16	0.02	0.02	212,68,68			1.00	0.04	0.96
1652	0.02	0.01	0.0	212,209,0	0.15	2.36e-03	3.37e-03	212,68,68	0.30	212	0.56	0.09	0.91
	0.03	0.04	0.0	209,228,0	0.15	3.59e-03	3.59e-03	212,68,68			1.00	0.04	0.96
1653	0.10	0.08	0.0	209,212,0	0.17	8.87e-03	0.01	212,69,68	0.32	212	0.56	0.09	0.91
	0.05	0.04	0.0	209,212,0	0.17	6.86e-03	6.86e-03	212,69,69			1.00	0.04	0.96
1654	0.10	0.08	0.0	209,212,0	0.17	8.87e-03	0.01	212,69,68	0.32	212	0.56	0.09	0.91
	0.05	0.04	0.0	209,212,0	0.17	6.86e-03	6.86e-03	212,69,69			1.00	0.04	0.96
1663	8.29e-03	6.22e-03	0.0	209,212,0	0.15	7.31e-04	9.50e-04	212,68,68	0.30	212	0.56	0.09	0.91
	0.03	0.03	0.0	69,68,0	0.15	0.02	0.02	212,68,68			1.00	0.04	0.96
1665	0.02	0.01	0.0	212,209,0	0.15	7.82e-03	0.01	212,69,69	0.30	212	0.56	0.09	0.91
	0.06	0.04	0.0	212,209,0	0.15	0.01	0.01	212,69,69			1.00	0.04	0.96
1667	0.02	0.01	0.0	212,209,0	0.13	7.82e-03	0.01	212,69,69	0.28	212	0.56	0.09	0.91
	0.06	0.04	0.0	212,209,0	0.13	0.01	0.01	212,69,69			1.00	0.04	0.96
1705	0.02	0.01	0.0	212,209,0	0.16	2.36e-03	3.37e-03	212,68,68	0.31	212	0.56	0.09	0.91
	0.03	0.04	0.0	209,228,0	0.16	5.67e-03	5.67e-03	212,69,69			1.00	0.04	0.96
1706	0.10	0.08	0.0	209,212,0	0.17	8.87e-03	0.01	212,69,68	0.32	212	0.56	0.09	0.91
	0.05	0.04	0.0	209,212,0	0.17	6.86e-03	6.86e-03	212,69,69			1.00	0.04	0.96
1707	0.10	0.08	0.0	209,212,0	0.17	8.87e-03	0.01	212,69,68	0.32	212	0.56	0.09	0.91
	0.05	0.04	0.0	209,212,0	0.17	6.86e-03	6.86e-03	212,69,69			1.00	0.04	0.96
1708	7.54e-03	6.28e-03	0.0	212,209,0	0.17	1.49e-03	2.29e-03	212,68,68	0.32	212	0.56	0.09	0.91
	0.02	0.02	0.0	69,68,0	0.17	8.66e-03	8.66e-03	212,69,69			1.00	0.04	0.96
1709	0.06	0.05	0.0	209,212,0	0.17	4.01e-03	0.01	212,68,68	0.32	212	0.56	0.09	0.91
	0.02	0.02	0.0	69,68,0	0.17	4.87e-03	4.87e-03	212,69,69			1.00	0.04	0.96
1710	0.06	0.05	0.0	209,212,0	0.12	4.01e-03	0.01	212,68,68	0.27	212	0.56	0.09	0.91
	0.01	0.01	0.0	209,212,0	0.12	4.87e-03	4.87e-03	212,69,69			1.00	0.04	0.96
1711	8.29e-03	6.22e-03	0.0	209,212,0	0.17	1.36e-03	2.29e-03	212,68,68	0.32	212	0.56	0.09	0.91
	0.03	0.03	0.0	69,68,0	0.17	0.02	0.02	212,68,68			1.00	0.04	0.96
1712	0.02	0.02	0.0	210,211,0	0.17	7.82e-03	0.01	212,69,69	0.32	212	0.56	0.09	0.91
	0.06	0.04	0.0	212,209,0	0.17	0.01	0.01	212,69,69			1.00	0.04	0.96
1713	0.02	0.02	0.0	210,211,0	0.13	7.82e-03	0.01	212,69,69	0.28	212	0.56	0.09	0.91
	0.06	0.04	0.0	212,209,0	0.13	0.01	0.01	212,69,69			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.10	0.08	0.0	0.17	0.02	0.02	0.32

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
51	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1677	0.03	0.02	0.0	212,209,0	0.13	5.67e-03	5.67e-03	209,68,68	0.27	209	0.33	0.14	0.86
	0.07	0.05	0.0	212,209,0	0.13	8.37e-03	8.37e-03	209,68,68			1.00	0.04	0.96
1682	0.03	0.02	0.0	212,209,0	0.16	5.67e-03	5.67e-03	209,68,68	0.30	209	0.33	0.14	0.86
	0.07	0.06	0.0	212,209,0	0.16	8.81e-03	8.81e-03	209,69,69			1.00	0.04	0.96
1683	0.01	0.01	0.0	209,212,0	0.16	5.94e-04	1.43e-03	209,67,215	0.30	209	0.33	0.14	0.86
	0.07	0.06	0.0	212,209,0	0.16	8.81e-03	8.81e-03	209,69,69			1.00	0.04	0.96
1695	0.09	0.07	0.0	209,212,0	0.16	5.87e-03	1.00e-02	212,69,68	0.30	212	0.33	0.14	0.86
	0.05	0.04	0.0	209,212,0	0.16	9.82e-03	9.82e-03	212,68,68			1.00	0.04	0.96
1699	0.09	0.07	0.0	209,212,0	0.16	5.87e-03	1.00e-02	212,69,68	0.30	212	0.33	0.14	0.86
	0.07	0.06	0.0	209,212,0	0.16	9.82e-03	9.82e-03	212,68,68			1.00	0.04	0.96
1701	0.03	0.02	0.0	212,209,0	0.15	5.47e-04	2.31e-03	212,69,209	0.30	212	0.33	0.14	0.86
	0.07	0.06	0.0	209,212,0	0.15	9.46e-03	9.46e-03	212,68,68			1.00	0.04	0.96
1714	0.03	0.02	0.0	212,209,0	0.16	5.67e-03	5.74e-03	209,68,236	0.30	209	0.33	0.14	0.86
	0.07	0.06	0.0	212,209,0	0.16	8.81e-03	8.81e-03	209,69,69			1.00	0.04	0.96
1716	9.25e-03	6.93e-03	0.0	214,215,0	0.15	4.40e-04	1.41e-03	212,234,235	0.30	212	0.33	0.14	0.86
	0.01	0.01	0.0	211,210,0	0.15	6.73e-03	6.73e-03	212,68,68			1.00	0.04	0.96
1718	0.05	0.04	0.0	209,212,0	0.15	2.05e-03	0.01	212,69,68	0.30	212	0.33	0.14	0.86
	0.02	0.01	0.0	209,212,0	0.15	2.74e-03	2.74e-03	212,68,68			1.00	0.04	0.96
1735	5.13e-03	4.10e-03	0.0	214,215,0	0.15	4.40e-04	1.41e-03	212,234,235	0.30	212	0.33	0.14	0.86
	0.01	8.15e-03	0.0	209,212,0	0.15	2.74e-03	2.74e-03	212,68,68			1.00	0.04	0.96
1736	0.03	0.02	0.0	212,209,0	0.13	5.67e-03	5.74e-03	209,68,236	0.27	209	0.33	0.14	0.86
	0.07	0.05	0.0	212,209,0	0.13	8.37e-03	8.37e-03	209,68,68			1.00	0.04	0.96
1737	0.09	0.07	0.0	209,212,0	0.16	5.87e-03	0.01	212,69,68	0.30	212	0.33	0.14	0.86
	0.07	0.06	0.0	209,212,0	0.16	9.82e-03	9.82e-03	212,68,68			1.00	0.04	0.96
1738	0.05	0.04	0.0	209,212,0	0.11	2.05e-03	0.01	212,69,68	0.26	212	0.33	0.14	0.86
	0.02	0.01	0.0	209,212,0	0.11	1.65e-03	1.65e-03	212,68,68			1.00	0.04	0.96
1739	4.28e-03	3.55e-03	0.0	232,229,0	0.15	2.63e-04	1.17e-03	212,231,235	0.30	212	0.33	0.14	0.86
	0.02	0.01	0.0	209,212,0	0.15	7.62e-03	7.62e-03	212,68,68			1.00	0.04	0.96
1740	0.09	0.07	0.0	209,212,0	0.16	5.87e-03	0.01	212,69,68	0.30	212	0.33	0.14	0.86
	0.05	0.04	0.0	209,212,0	0.16	9.82e-03	9.82e-03	212,68,68			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.09	0.07	0.0	0.16	9.82e-03	0.01	0.30

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
52	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1658	0.13	0.09	0.0	212,209,0	0.16	6.85e-03	0.01	209,68,209	0.31	209	0.33	0.14	0.86
	0.05	0.04	0.0	211,210,0	0.16	6.46e-03	6.46e-03	209,69,69			1.00	0.04	0.96
1661	0.13	0.09	0.0	212,209,0	0.16	6.85e-03	0.01	212,68,209	0.31	212	0.33	0.14	0.86
	0.05	0.05	0.0	215,214,0	0.16	6.46e-03	6.46e-03	212,69,69			1.00	0.04	0.96
1662	0.02	0.01	0.0	209,212,0	0.16	3.21e-03	3.21e-03	212,68,68	0.31	212	0.33	0.14	0.86
	0.05	0.05	0.0	215,214,0	0.16	4.73e-03	4.73e-03	212,69,69			1.00	0.04	0.96
1674	5.48e-03	4.42e-03	0.0	233,236,0	0.16	4.66e-03	8.44e-03	212,69,71	0.30	212	0.33	0.14	0.86
	0.07	0.05	0.0	209,212,0	0.16	5.78e-03	5.78e-03	212,69,69			1.00	0.04	0.96
1678	0.03	0.02	0.0	212,209,0	0.19	4.66e-03	8.44e-03	212,69,71	0.34	212	0.33	0.14	0.86
	0.08	0.07	0.0	209,212,0	0.19	0.01	0.01	212,68,68			1.00	0.04	0.96
1680	0.03	0.02	0.0	212,209,0	0.19	1.78e-03	3.03e-03	212,68,68	0.34	212	0.33	0.14	0.86
	0.08	0.07	0.0	209,212,0	0.19	0.01	0.01	212,68,68			1.00	0.04	0.96
1715	0.13	0.09	0.0	212,209,0	0.16	6.85e-03	0.01	209,68,209	0.31	209	0.33	0.14	0.86
	0.05	0.04	0.0	211,210,0	0.16	6.46e-03	6.46e-03	209,69,69			1.00	0.04	0.96
1717	0.08	0.06	0.0	212,209,0	0.13	3.02e-03	8.48e-03	212,68,233	0.27	212	0.33	0.14	0.86
	0.02	0.01	0.0	212,209,0	0.13	1.52e-03	1.52e-03	212,71,71			1.00	0.04	0.96
1719	0.04	0.03	0.0	212,209,0	0.16	4.66e-03	8.44e-03	212,69,71	0.30	212	0.33	0.14	0.86
	0.07	0.05	0.0	209,212,0	0.16	5.78e-03	5.78e-03	212,69,69			1.00	0.04	0.96
1720	0.13	0.09	0.0	212,209,0	0.18	6.85e-03	0.01	212,68,209	0.32	212	0.33	0.14	0.86
	0.05	0.05	0.0	215,214,0	0.18	6.46e-03	6.46e-03	212,69,69			1.00	0.04	0.96

1721	2.96e-03	2.18e-03	0.0	234,235,0	0.18	1.46e-03	3.09e-03	212,233,66	0.32	212	0.33	0.14	0.86
	0.01	0.01	0.0	215,214,0	0.18	4.73e-03	4.73e-03	212,69,69			1.00	0.04	0.96
1722	0.08	0.06	0.0	212,209,0	0.19	3.02e-03	8.48e-03	212,68,233	0.33	212	0.33	0.14	0.86
	0.02	0.01	0.0	212,209,0	0.19	2.90e-03	2.90e-03	212,68,68			1.00	0.04	0.96
1723	7.12e-03	5.33e-03	0.0	212,209,0	0.19	1.86e-03	3.41e-03	212,68,68	0.33	212	0.33	0.14	0.86
	9.53e-03	7.73e-03	0.0	215,214,0	0.19	2.90e-03	2.90e-03	212,68,68			1.00	0.04	0.96
1724	0.04	0.03	0.0	212,209,0	0.19	4.66e-03	8.44e-03	212,69,71	0.34	212	0.33	0.14	0.86
	0.08	0.07	0.0	209,212,0	0.19	0.01	0.01	212,68,68			1.00	0.04	0.96
1725	7.12e-03	5.33e-03	0.0	212,209,0	0.19	1.86e-03	3.41e-03	212,68,68	0.33	212	0.33	0.14	0.86
	0.01	0.01	0.0	209,212,0	0.19	5.71e-03	5.71e-03	212,69,69			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.13	0.09	0.0	0.19	0.01	0.01	0.34

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
53	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
24	1.63e-03	1.82e-03	0.0	212,209,0	0.13	1.14e-03	1.46e-03	212,72,68	0.28	212	0.56	0.09	0.91
	0.02	0.03	0.0	233,236,0	0.13	0.01	0.01	212,68,68			1.00	0.04	0.96
45	3.61e-03	3.31e-03	0.0	209,212,0	0.13	8.31e-04	1.08e-03	212,72,68	0.28	212	0.56	0.09	0.91
	0.01	0.02	0.0	235,68,0	0.13	0.01	0.01	212,69,69			1.00	0.04	0.96
63	1.63e-03	1.82e-03	0.0	212,209,0	0.15	1.14e-03	1.46e-03	212,72,68	0.30	212	0.56	0.09	0.91
	0.02	0.03	0.0	233,236,0	0.15	0.01	0.01	212,68,68			1.00	0.04	0.96
66	2.46e-03	2.54e-03	0.0	213,216,0	0.15	4.37e-04	1.44e-03	212,70,68	0.30	212	0.56	0.09	0.91
	0.01	0.01	0.0	69,68,0	0.15	9.37e-03	9.37e-03	212,68,68			1.00	0.04	0.96
69	3.61e-03	3.31e-03	0.0	209,212,0	0.15	8.31e-04	1.31e-03	212,72,68	0.30	212	0.56	0.09	0.91
	0.01	0.02	0.0	235,68,0	0.15	0.01	0.01	212,69,69			1.00	0.04	0.96
1669	9.67e-03	7.28e-03	0.0	212,209,0	0.15	8.71e-04	1.44e-03	212,234,233	0.29	212	0.56	0.09	0.91
	0.03	0.03	0.0	69,68,0	0.15	0.01	0.01	212,69,69			1.00	0.04	0.96
1670	0.02	0.02	0.0	214,215,0	0.15	9.18e-03	0.01	212,68,69	0.29	212	0.56	0.09	0.91
	0.06	0.05	0.0	209,212,0	0.15	0.02	0.02	212,69,69			1.00	0.04	0.96
1671	0.02	0.02	0.0	214,215,0	0.13	9.18e-03	0.01	212,68,69	0.28	212	0.56	0.09	0.91
	0.06	0.05	0.0	209,212,0	0.13	0.02	0.02	212,69,69			1.00	0.04	0.96
1684	0.01	0.01	0.0	209,212,0	0.13	1.14e-03	1.54e-03	212,72,236	0.28	212	0.56	0.09	0.91
	0.03	0.03	0.0	69,68,0	0.13	0.01	0.01	212,68,68			1.00	0.04	0.96
1686	0.09	0.07	0.0	212,209,0	0.14	9.43e-03	0.01	212,72,213	0.29	212	0.56	0.09	0.91
	0.04	0.03	0.0	215,68,0	0.14	0.02	0.02	212,68,68			1.00	0.04	0.96
1688	0.09	0.07	0.0	212,209,0	0.14	9.43e-03	0.01	212,72,213	0.29	212	0.56	0.09	0.91
	0.04	0.03	0.0	215,214,0	0.14	0.02	0.02	212,68,68			1.00	0.04	0.96
1726	9.67e-03	7.28e-03	0.0	212,209,0	0.16	8.71e-04	1.44e-03	212,234,233	0.30	212	0.56	0.09	0.91
	0.03	0.03	0.0	69,68,0	0.16	0.01	0.01	212,69,69			1.00	0.04	0.96
1727	0.02	0.02	0.0	214,215,0	0.16	9.18e-03	0.01	212,68,69	0.30	212	0.56	0.09	0.91
	0.06	0.05	0.0	209,212,0	0.16	0.02	0.02	212,69,69			1.00	0.04	0.96
1728	0.02	0.02	0.0	214,215,0	0.13	9.18e-03	0.01	212,68,69	0.28	212	0.56	0.09	0.91
	0.06	0.05	0.0	209,212,0	0.13	0.02	0.02	212,69,69			1.00	0.04	0.96
1729	4.98e-03	3.76e-03	0.0	209,212,0	0.16	4.37e-04	1.44e-03	212,70,68	0.30	212	0.56	0.09	0.91
	0.02	0.02	0.0	69,68,0	0.16	9.37e-03	9.37e-03	212,68,68			1.00	0.04	0.96
1730	0.06	0.04	0.0	212,209,0	0.16	3.23e-03	0.01	212,69,69	0.30	212	0.56	0.09	0.91
	0.02	0.02	0.0	69,68,0	0.16	5.36e-03	5.36e-03	212,68,68			1.00	0.04	0.96
1731	0.06	0.04	0.0	212,209,0	0.12	3.23e-03	0.01	212,69,69	0.26	212	0.56	0.09	0.91
	0.01	9.34e-03	0.0	212,209,0	0.12	5.36e-03	5.36e-03	212,68,68			1.00	0.04	0.96
1732	0.01	0.01	0.0	209,212,0	0.15	1.14e-03	1.54e-03	212,72,236	0.30	212	0.56	0.09	0.91
	0.03	0.03	0.0	69,68,0	0.15	0.01	0.01	212,68,68			1.00	0.04	0.96
1733	0.09	0.07	0.0	212,209,0	0.15	9.43e-03	0.01	212,72,213	0.30	212	0.56	0.09	0.91
	0.04	0.03	0.0	215,68,0	0.15	0.02	0.02	212,68,68			1.00	0.04	0.96
1734	0.09	0.07	0.0	212,209,0	0.14	9.43e-03	0.01	212,72,213	0.29	212	0.56	0.09	0.91
	0.04	0.03	0.0	215,214,0	0.14	0.02	0.02	212,68,68			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.09	0.07	0.0	0.16	0.02	0.02	0.30

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
54	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.95	227.6	202	0.82	-197.8	203	0.80	-2012.4	-4.069e+06	237

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
21	0.08	0.09	0.0	237,240,0	0.09	0.01	0.02	234,212,212	0.23	234	0.87	0.06	0.94
	6.36e-03	6.18e-03	0.0	215,214,0	0.09	7.93e-04	7.93e-04	234,212,212			1.00	0.04	0.96
1053	0.08	0.09	0.0	237,240,0	0.14	0.01	0.02	235,212,212	0.28	235	0.87	0.06	0.94
	0.01	8.07e-03	0.0	212,209,0	0.14	2.24e-03	2.24e-03	235,212,212			1.00	0.04	0.96
1055	0.04	0.07	0.0	237,240,0	0.16	4.65e-03	0.01	235,212,220	0.31	235	0.87	0.06	0.94
	0.01	8.69e-03	0.0	212,209,0	0.16	2.24e-03	2.24e-03	235,212,212			1.00	0.04	0.96
1057	0.01	0.05	0.0	237,240,0	0.17	7.04e-03	0.01	235,212,212	0.31	235	0.87	0.06	0.94
	0.01	8.69e-03	0.0	212,209,0	0.17	1.92e-03	1.92e-03	235,212,212			1.00	0.04	0.96
1059	0.0	0.06	0.0	0,100,0	0.17	7.04e-03	0.01	235,212,212	0.31	235	0.0	0.0	0.0
	6.60e-03	5.51e-03	0.0	209,212,0	0.17	1.92e-03	1.92e-03	235,212,212			1.00	0.04	0.96
1061	0.0	0.06	0.0	0,100,0	0.16	6.63e-03	0.01	235,212,212	0.31	235	0.0	0.0	0.0
	3.55e-03	2.92e-03	0.0	221,224,0	0.16	2.15e-03	2.15e-03	235,209,209			1.00	0.04	0.96
1063	0.0	0.06	0.0	0,100,0	0.15	9.57e-03	0.02	234,216,216	0.30	234	0.0	0.0	0.0
	0.03	0.02	0.0	213,214,0	0.15	0.02	0.02	234,210,210			1.00	0.04	0.96
1065	0.02	0.06	0.0	237,100,0	0.23	0.01	0.02	234,216,216	0.37	234	0.87	0.06	0.94
	0.03	0.02	0.0	213,216,0	0.23	0.02	0.02	234,209,209			1.00	0.04	0.96
1110	0.09	0.15	0.0	234,235,0	0.32	3.66e-03	0.02	235,235,235	0.43	235	0.87	0.06	0.94
	0.03	0.03	0.0	234,235,0	0.32	0.01	0.01	235,216,216			1.00	0.04	0.96
1690	0.08	0.09	0.0	237,240,0	0.09	0.02	0.03	235,212,212	0.23	235	0.87	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.09	0.01	0.01	235,212,212			1.00	0.04	0.96
1691	0.08	0.08	0.0	237,240,0	0.09	0.02	0.03	235,212,212	0.23	235	0.87	0.06	0.94
	0.04	0.03	0.0	212,212,0	0.09	0.03	0.03	235,212,212			1.00	0.04	0.96
1692	0.08	0.08	0.0	217,224,0	0.09	0.04	0.06	235,212,212	0.23	235	0.87	0.06	0.94
	0.04	0.03	0.0	212,212,0	0.09	0.03	0.03	235,212,212			1.00	0.04	0.96
1697	0.05	0.06	0.0	237,240,0	0.09	0.04	0.06	235,212,212	0.23	235	0.87	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.09	0.02	0.02	235,212,212			1.00	0.04	0.96
1698	0.04	0.05	0.0	215,214,0	0.09	0.04	0.05	235,212,212	0.23	235	0.87	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.09	0.02	0.02	235,212,212			1.00	0.04	0.96
1703	0.04	0.06	0.0	212,209,0	0.09	0.04	0.05	235,212,209	0.23	235	0.87	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.09	0.02	0.02	235,212,212			1.00	0.04	0.96
1704	0.04	0.06	0.0	212,209,0	0.09	0.04	0.05	235,212,209	0.23	235	0.87	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.09	4.43e-03	4.43e-03	235,212,212			1.00	0.04	0.96
1741	0.08	0.09	0.0	237,240,0	0.14	0.02	0.03	235,212,212	0.29	235	0.87	0.06	0.94
	0.04	0.03	0.0	212,212,0	0.14	0.01	0.01	235,212,212			1.00	0.04	0.96
1742	0.08	0.08	0.0	237,240,0	0.14	0.02	0.03	235,212,212	0.29	235	0.87	0.06	0.94
	0.06	0.05	0.0	209,212,0	0.14	0.03	0.03	235,212,212			1.00	0.04	0.96
1743	0.08	0.08	0.0	217,224,0	0.14	0.04	0.06	235,212,212	0.29	235	0.87	0.06	0.94
	0.06	0.05	0.0	209,212,0	0.14	0.03	0.03	235,212,212			1.00	0.04	0.96
1744	0.04	0.07	0.0	237,240,0	0.16	4.65e-03	0.01	235,212,220	0.31	235	0.87	0.06	0.94
	0.04	0.03	0.0	212,212,0	0.16	5.54e-03	5.54e-03	235,212,212			1.00	0.04	0.96
1745	0.04	0.06	0.0	237,240,0	0.16	4.67e-03	0.01	235,212,212	0.31	235	0.87	0.06	0.94
	0.06	0.05	0.0	209,212,0	0.16	8.80e-03	8.80e-03	235,212,212			1.00	0.04	0.96
1746	0.03	0.06	0.0	237,240,0	0.16	4.67e-03	0.01	235,212,212	0.31	235	0.87	0.06	0.94
	0.06	0.05	0.0	209,212,0	0.16	8.80e-03	8.80e-03	235,212,212			1.00	0.04	0.96
1747	0.01	0.05	0.0	237,240,0	0.17	7.04e-03	0.01	235,212,212	0.31	235	0.87	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.17	5.54e-03	5.54e-03	235,212,212			1.00	0.04	0.96
1748	0.01	0.05	0.0	221,240,0	0.17	4.81e-03	0.01	235,212,212	0.31	235	0.87	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.17	8.80e-03	8.80e-03	235,212,212			1.00	0.04	0.96
1749	0.01	0.05	0.0	221,224,0	0.17	2.41e-03	9.92e-03	235,212,212	0.31	235	0.87	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.17	8.80e-03	8.80e-03	235,212,212			1.00	0.04	0.96
1750	2.16e-03	0.06	0.0	209,100,0	0.17	7.04e-03	0.01	235,212,212	0.31	235	0.87	0.06	0.94
	0.02	0.01	0.0	209,212,0	0.17	4.68e-03	4.68e-03	235,212,212			1.00	0.04	0.96
1751	5.66e-03	0.05	0.0	209,100,0	0.17	4.81e-03	0.01	235,212,212	0.31	235	0.87	0.06	0.94
	0.02	0.01	0.0	209,212,0	0.17	4.73e-03	4.73e-03	235,212,212			1.00	0.04	0.96
1752	5.66e-03	0.05	0.0	209,100,0	0.17	2.25e-03	0.01	235,211,215	0.31	235	0.87	0.06	0.94
	0.02	0.01	0.0	209,212,0	0.17	4.73e-03	4.73e-03	235,212,212			1.00	0.04	0.96
1753	0.0	0.06	0.0	0,100,0	0.16	6.63e-03	0.01	235,212,215	0.31	235	0.0	0.0	0.0
	5.91e-03	6.11e-03	0.0	213,212,0	0.16	3.02e-03	3.02e-03	235,209,209			1.00	0.04	0.96
1754	0.0	0.06	0.0	0,100,0	0.16	5.44e-03	0.01	235,215,215	0.31	235	0.0	0.0	0.0
	7.10e-03	7.74e-03	0.0	209,212,0	0.16	3.02e-03	3.02e-03	235,209,209			1.00	0.04	0.96
1755	3.99e-03	0.06	0.0	214,100,0	0.16	2.48e-03	0.01	235,211,215	0.31	235	0.87	0.06	0.94
	8.02e-03	8.84e-03	0.0	215,212,0	0.16	2.60e-03	2.60e-03	235,209,209			1.00	0.04	0.96
1756	4.76e-03	0.06	0.0	213,100,0	0.15	9.57e-03	0.02	234,216,216	0.30	234	0.87	0.06	0.94

	0.03	0.02	0.0 213,214,0	0.15	0.02	0.02234,210,210			1.00	0.04	0.96
1757	6.28e-03	0.06	0.0 213,100,0	0.16	5.44e-03	0.01234,215,215	0.31	234	0.87	0.06	0.94
	9.11e-03	8.36e-03	0.0 214,215,0	0.16	3.02e-03	3.02e-03234,209,209			1.00	0.04	0.96
1758	6.85e-03	0.06	0.0 209,100,0	0.17	2.48e-03	0.01234,211,215	0.31	234	0.87	0.06	0.94
	6.13e-03	9.59e-03	0.0 215,211,0	0.17	2.19e-03	2.19e-03234,215,215			1.00	0.04	0.96
1759	0.02	0.06	0.0 237,100,0	0.23	0.01	0.02234,216,216	0.37	234	0.87	0.06	0.94
	0.03	0.02	0.0 213,216,0	0.23	0.02	0.02234,209,209			1.00	0.04	0.96
1760	0.02	0.05	0.0 237,100,0	0.21	4.02e-03	0.01234,211,216	0.36	234	0.87	0.06	0.94
	9.11e-03	0.01	0.0 214,215,0	0.21	4.32e-03	4.32e-03234,211,211			1.00	0.04	0.96
1761	0.02	0.05	0.0 221,100,0	0.21	9.59e-04	0.01234,209,212	0.35	234	0.87	0.06	0.94
	8.79e-03	0.01	0.0 214,215,0	0.21	2.19e-03	2.19e-03234,215,215			1.00	0.04	0.96
1762	0.05	0.06	0.0 237,240,0	0.14	0.04	0.06235,212,212	0.28	235	0.87	0.06	0.94
	0.04	0.03	0.0 212,212,0	0.14	0.02	0.02235,212,212			1.00	0.04	0.96
1763	0.04	0.05	0.0 215,240,0	0.13	0.04	0.05235,212,212	0.28	235	0.87	0.06	0.94
	0.04	0.03	0.0 212,209,0	0.13	0.02	0.02235,212,212			1.00	0.04	0.96
1764	0.03	0.05	0.0 237,240,0	0.16	3.94e-03	9.57e-03235,212,216	0.30	235	0.87	0.06	0.94
	0.04	0.03	0.0 212,212,0	0.16	0.01	0.01235,212,212			1.00	0.04	0.96
1765	0.03	0.05	0.0 237,240,0	0.15	3.44e-03	9.57e-03235,212,216	0.30	235	0.87	0.06	0.94
	0.04	0.03	0.0 212,209,0	0.15	0.01	0.01235,212,212			1.00	0.04	0.96
1766	0.01	0.05	0.0 221,224,0	0.16	3.44e-03	0.01235,212,212	0.31	235	0.87	0.06	0.94
	0.02	0.02	0.0 209,212,0	0.16	5.05e-03	5.05e-03235,212,212			1.00	0.04	0.96
1767	7.49e-03	0.04	0.0 221,100,0	0.16	3.81e-03	0.01235,211,212	0.31	235	0.87	0.06	0.94
	0.01	0.01	0.0 215,214,0	0.16	9.82e-03	9.82e-03235,212,212			1.00	0.04	0.96
1768	4.92e-03	0.05	0.0 213,100,0	0.16	3.33e-03	0.01235,212,215	0.31	235	0.87	0.06	0.94
	0.01	0.01	0.0 209,214,0	0.16	2.20e-03	2.20e-03235,209,209			1.00	0.04	0.96
1769	2.07e-03	0.05	0.0 213,100,0	0.16	4.10e-03	0.01235,212,211	0.31	235	0.87	0.06	0.94
	0.01	0.02	0.0 235,214,0	0.16	3.08e-03	3.08e-03235,212,212			1.00	0.04	0.96
1770	3.99e-03	0.05	0.0 214,100,0	0.16	2.65e-03	0.01235,215,215	0.31	235	0.87	0.06	0.94
	0.01	0.01	0.0 215,214,0	0.16	1.39e-03	1.39e-03235,209,209			1.00	0.04	0.96
1771	0.0	0.05	0.0 0,100,0	0.16	4.65e-03	0.01235,211,215	0.31	235	0.0	0.0	0.0
	0.02	0.02	0.0 235,234,0	0.16	9.04e-04	9.04e-04235,211,211			1.00	0.04	0.96
1772	6.85e-03	0.05	0.0 209,100,0	0.17	2.65e-03	0.01234,215,215	0.31	234	0.87	0.06	0.94
	0.01	0.01	0.0 215,214,0	0.17	1.54e-03	1.54e-03234,215,215			1.00	0.04	0.96
1773	4.67e-03	0.05	0.0 209,100,0	0.16	4.65e-03	0.01234,211,215	0.31	234	0.87	0.06	0.94
	0.02	0.02	0.0 235,234,0	0.16	9.58e-04	9.58e-04234,211,211			1.00	0.04	0.96
1774	0.01	0.05	0.0 221,212,0	0.20	2.61e-03	0.01234,211,212	0.34	234	0.87	0.06	0.94
	0.01	0.01	0.0 235,224,0	0.20	1.54e-03	1.54e-03234,215,215			1.00	0.04	0.96
1775	0.01	0.04	0.0 213,100,0	0.19	4.56e-03	0.01234,211,212	0.34	234	0.87	0.06	0.94
	0.03	0.03	0.0 235,234,0	0.19	1.13e-03	1.13e-03234,213,213			1.00	0.04	0.96
1776	0.04	0.06	0.0 212,209,0	0.12	0.04	0.05235,212,209	0.27	235	0.87	0.06	0.94
	0.04	0.03	0.0 212,209,0	0.12	0.02	0.02235,212,212			1.00	0.04	0.96
1777	0.02	0.04	0.0 237,240,0	0.12	0.02	0.02235,212,212	0.26	235	0.87	0.06	0.94
	0.02	0.02	0.0 212,209,0	0.12	2.07e-03	2.07e-03235,212,212			1.00	0.04	0.96
1778	0.03	0.05	0.0 237,240,0	0.14	9.95e-03	0.02235,212,212	0.29	235	0.87	0.06	0.94
	0.04	0.03	0.0 212,209,0	0.14	0.01	0.01235,212,212			1.00	0.04	0.96
1779	0.02	0.04	0.0 237,240,0	0.13	9.95e-03	0.02235,212,212	0.28	235	0.87	0.06	0.94
	0.02	0.02	0.0 212,209,0	0.13	4.12e-03	4.12e-03235,212,212			1.00	0.04	0.96
1780	4.28e-03	0.04	0.0 237,100,0	0.15	4.28e-03	9.26e-03235,211,211	0.30	235	0.87	0.06	0.94
	0.01	0.01	0.0 215,214,0	0.15	9.82e-03	9.82e-03235,212,212			1.00	0.04	0.96
1781	3.89e-03	0.04	0.0 237,100,0	0.14	4.28e-03	7.85e-03235,211,211	0.29	235	0.87	0.06	0.94
	0.01	8.39e-03	0.0 215,214,0	0.14	4.12e-03	4.12e-03235,212,212			1.00	0.04	0.96
1782	0.0	0.05	0.0 0,100,0	0.15	6.50e-03	0.01235,211,211	0.30	235	0.0	0.0	0.0
	0.01	0.02	0.0 235,214,0	0.15	3.08e-03	3.08e-03235,212,212			1.00	0.04	0.96
1783	0.0	0.04	0.0 0,100,0	0.14	6.50e-03	0.01235,211,211	0.29	235	0.0	0.0	0.0
	0.01	0.01	0.0 215,214,0	0.14	7.86e-04	7.86e-04235,225,225			1.00	0.04	0.96
1784	0.0	0.05	0.0 0,100,0	0.15	6.50e-03	0.01235,211,215	0.30	235	0.0	0.0	0.0
	0.02	0.02	0.0 235,234,0	0.15	1.98e-03	1.98e-03235,211,211			1.00	0.04	0.96
1785	0.0	0.04	0.0 0,100,0	0.14	6.50e-03	0.01235,211,211	0.29	235	0.0	0.0	0.0
	0.02	0.01	0.0 215,214,0	0.14	1.98e-03	1.98e-03235,211,211			1.00	0.04	0.96
1786	0.0	0.05	0.0 0,100,0	0.15	6.40e-03	0.01234,216,215	0.30	234	0.0	0.0	0.0
	0.02	0.02	0.0 235,234,0	0.15	2.70e-03	2.70e-03234,210,210			1.00	0.04	0.96
1787	0.0	0.04	0.0 0,100,0	0.13	6.40e-03	0.01235,216,212	0.28	235	0.0	0.0	0.0
	0.02	0.02	0.0 235,234,0	0.13	2.70e-03	2.70e-03235,210,210			1.00	0.04	0.96
1788	6.67e-03	0.04	0.0 221,100,0	0.17	6.48e-03	0.01234,211,216	0.32	234	0.87	0.06	0.94
	0.03	0.03	0.0 235,234,0	0.17	2.70e-03	2.70e-03234,210,210			1.00	0.04	0.96
1789	1.95e-03	0.04	0.0 237,100,0	0.13	6.48e-03	0.01234,211,216	0.28	234	0.87	0.06	0.94
	0.02	0.02	0.0 235,234,0	0.13	2.70e-03	2.70e-03234,210,210			1.00	0.04	0.96
1790	0.02	0.03	0.0 99,240,0	0.23	0.01	0.01234,216,216	0.37	234	0.87	0.06	0.94
	0.04	0.03	0.0 213,216,0	0.23	0.02	0.02234,209,209			1.00	0.04	0.96
1791	0.02	0.03	0.0 99,240,0	0.23	0.01	0.01234,216,216	0.37	234	0.87	0.06	0.94
	0.04	0.03	0.0 213,216,0	0.23	0.02	0.02234,209,209			1.00	0.04	0.96
1792	0.02	0.03	0.0 99,240,0	0.21	4.31e-03	9.82e-03234,209,216	0.36	234	0.87	0.06	0.94
	0.02	0.03	0.0 214,215,0	0.21	8.21e-03	8.21e-03234,209,209			1.00	0.04	0.96
1793	0.02	0.03	0.0 213,240,0	0.21	2.46e-03	7.65e-03234,209,212	0.35	234	0.87	0.06	0.94
	0.01	0.02	0.0 214,215,0	0.21	2.62e-03	2.62e-03234,211,211			1.00	0.04	0.96

1794	0.03	0.0	0.0 99,0,0	0.19	4.31e-03	4.31e-03234,209,209	0.33	234	0.87	0.06	0.94
	0.06	0.05	0.0 214,215,0	0.19	0.02	0.02234,209,209			1.00	0.04	0.96
1795	0.03	0.0	0.0 99,0,0	0.18	3.85e-03	3.85e-03234,211,211	0.33	234	0.87	0.06	0.94
	0.06	0.05	0.0 214,215,0	0.18	0.02	0.02234,209,209			1.00	0.04	0.96
1796	0.02	4.23e-03	0.0 99,214,0	0.19	4.31e-03	4.31e-03234,209,209	0.34	234	0.87	0.06	0.94
	0.04	0.04	0.0 214,215,0	0.19	8.21e-03	8.21e-03234,209,209			1.00	0.04	0.96
1797	0.02	6.83e-03	0.0 99,214,0	0.19	2.66e-03	2.66e-03234,209,209	0.34	234	0.87	0.06	0.94
	0.02	0.03	0.0 214,215,0	0.19	2.62e-03	2.62e-03234,211,211			1.00	0.04	0.96
1798	0.03	0.02	0.0 99,214,0	0.20	3.85e-03	3.85e-03235,211,211	0.34	235	0.87	0.06	0.94
	0.06	0.05	0.0 214,215,0	0.20	0.01	0.01235,210,210			1.00	0.04	0.96
1799	0.03	0.02	0.0 99,214,0	0.18	3.85e-03	3.85e-03235,211,211	0.32	235	0.87	0.06	0.94
	0.06	0.05	0.0 214,215,0	0.18	0.01	0.01235,210,210			1.00	0.04	0.96
1800	0.02	0.02	0.0 99,107,0	0.20	2.66e-03	4.34e-03235,209,221	0.34	235	0.87	0.06	0.94
	0.04	0.04	0.0 214,215,0	0.20	4.54e-03	4.54e-03235,216,216			1.00	0.04	0.96
1801	0.02	0.02	0.0 99,107,0	0.20	2.66e-03	5.21e-03235,209,221	0.34	235	0.87	0.06	0.94
	0.02	0.03	0.0 214,215,0	0.20	2.98e-03	2.98e-03235,215,215			1.00	0.04	0.96
1802	0.09	0.15	0.0 234,235,0	0.32	3.66e-03	0.02235,235,235	0.43	235	0.87	0.06	0.94
	0.05	0.04	0.0 214,215,0	0.32	0.01	0.01235,210,210			1.00	0.04	0.96
1803	0.09	0.15	0.0 234,235,0	0.32	3.66e-03	0.02235,235,235	0.43	235	0.87	0.06	0.94
	0.05	0.04	0.0 214,215,0	0.32	0.01	0.01235,210,210			1.00	0.04	0.96
1804	0.07	0.14	0.0 234,235,0	0.24	2.00e-03	0.02235,221,235	0.38	235	0.87	0.06	0.94
	0.04	0.04	0.0 214,215,0	0.24	0.01	0.01235,211,211			1.00	0.04	0.96
1805	0.04	0.12	0.0 234,235,0	0.20	2.87e-03	0.01235,222,235	0.34	235	0.87	0.06	0.94
	0.02	0.03	0.0 214,215,0	0.20	7.96e-03	7.96e-03235,211,211			1.00	0.04	0.96
1806	0.09	0.15	0.0 234,235,0	0.32	3.66e-03	0.02235,235,235	0.43	235	0.87	0.06	0.94
	0.03	0.03	0.0 234,235,0	0.32	0.01	0.01235,211,211			1.00	0.04	0.96
1807	0.07	0.14	0.0 234,235,0	0.24	1.70e-03	0.02235,218,235	0.38	235	0.87	0.06	0.94
	0.01	0.02	0.0 214,215,0	0.24	0.01	0.01235,211,211			1.00	0.04	0.96
1808	0.04	0.12	0.0 234,235,0	0.17	2.87e-03	0.01237,222,235	0.31	237	0.87	0.06	0.94
	0.01	0.01	0.0 214,215,0	0.17	7.96e-03	7.96e-03237,211,211			1.00	0.04	0.96
1809	0.02	0.03	0.0 213,224,0	0.20	2.29e-03	8.54e-03234,209,212	0.34	234	0.87	0.06	0.94
	0.01	0.02	0.0 235,100,0	0.20	1.40e-03	1.40e-03234,221,221			1.00	0.04	0.96
1810	0.01	0.03	0.0 213,224,0	0.19	3.94e-03	8.66e-03234,212,216	0.34	234	0.87	0.06	0.94
	0.04	0.04	0.0 235,234,0	0.19	2.03e-03	2.03e-03234,221,221			1.00	0.04	0.96
1811	0.02	7.46e-03	0.0 99,214,0	0.19	1.74e-03	3.42e-03234,209,214	0.34	234	0.87	0.06	0.94
	0.01	0.02	0.0 235,100,0	0.19	1.40e-03	1.40e-03234,221,221			1.00	0.04	0.96
1812	0.02	7.46e-03	0.0 212,214,0	0.19	3.34e-03	5.68e-03234,209,214	0.34	234	0.87	0.06	0.94
	0.05	0.05	0.0 235,234,0	0.19	3.98e-03	3.98e-03234,221,221			1.00	0.04	0.96
1813	0.02	0.02	0.0 99,107,0	0.19	2.18e-03	5.62e-03235,209,221	0.34	235	0.87	0.06	0.94
	0.01	0.02	0.0 214,100,0	0.19	3.71e-03	3.71e-03235,237,237			1.00	0.04	0.96
1814	0.02	0.02	0.0 212,107,0	0.21	4.10e-03	7.91e-03235,221,221	0.35	235	0.87	0.06	0.94
	0.08	0.07	0.0 237,234,0	0.21	3.98e-03	3.98e-03235,221,221			1.00	0.04	0.96
1815	0.02	0.11	0.0 234,100,0	0.19	4.30e-03	0.02235,221,100	0.34	235	0.87	0.06	0.94
	0.01	0.02	0.0 214,215,0	0.19	5.48e-03	5.48e-03235,211,211			1.00	0.04	0.96
1816	4.77e-03	0.12	0.0 221,100,0	0.21	0.02	0.03235,221,221	0.35	235	0.87	0.06	0.94
	0.08	0.07	0.0 237,234,0	0.21	0.01	0.01235,100,100			1.00	0.04	0.96
1817	0.02	0.11	0.0 234,100,0	0.15	4.30e-03	0.02233,221,100	0.30	233	0.87	0.06	0.94
	5.22e-03	0.01	0.0 236,233,0	0.15	5.48e-03	5.48e-03233,211,211			1.00	0.04	0.96
1818	5.10e-04	0.12	0.0 234,100,0	0.16	0.02	0.03236,221,221	0.30	236	0.87	0.06	0.94
	0.07	0.06	0.0 235,234,0	0.16	0.01	0.01236,100,100			1.00	0.04	0.96
1819	0.01	0.02	0.0 215,224,0	0.18	6.48e-03	8.92e-03234,211,211	0.32	234	0.87	0.06	0.94
	0.04	0.04	0.0 235,234,0	0.18	2.03e-03	2.03e-03234,221,221			1.00	0.04	0.96
1820	5.47e-03	0.02	0.0 235,240,0	0.13	6.48e-03	8.92e-03234,211,211	0.28	234	0.87	0.06	0.94
	0.03	0.03	0.0 235,234,0	0.13	1.47e-03	1.47e-03234,100,100			1.00	0.04	0.96
1821	0.01	6.86e-03	0.0 212,214,0	0.18	4.83e-03	6.01e-03235,211,216	0.33	235	0.87	0.06	0.94
	0.05	0.05	0.0 235,234,0	0.18	3.98e-03	3.98e-03235,221,221			1.00	0.04	0.96
1822	7.07e-03	6.69e-03	0.0 212,234,0	0.13	4.83e-03	6.01e-03235,211,216	0.27	235	0.87	0.06	0.94
	0.05	0.04	0.0 235,234,0	0.13	3.42e-03	3.42e-03235,100,100			1.00	0.04	0.96
1823	0.01	0.02	0.0 212,107,0	0.21	6.75e-03	8.59e-03235,221,221	0.35	235	0.87	0.06	0.94
	0.08	0.07	0.0 237,234,0	0.21	6.83e-03	6.83e-03235,221,221			1.00	0.04	0.96
1824	7.07e-03	0.02	0.0 212,107,0	0.12	6.75e-03	8.59e-03235,221,221	0.27	235	0.87	0.06	0.94
	0.08	0.06	0.0 237,234,0	0.12	6.83e-03	6.83e-03235,221,221			1.00	0.04	0.96
1825	2.91e-03	0.23	0.0 217,100,0	0.21	0.03	0.06235,100,100	0.35	235	0.87	0.06	0.94
	0.16	0.13	0.0 237,240,0	0.21	0.01	0.01235,221,221			1.00	0.04	0.96
1826	1.97e-03	0.05	0.0 237,100,0	0.11	0.01	0.02235,221,100	0.25	235	0.87	0.06	0.94
	0.08	0.06	0.0 237,234,0	0.11	6.83e-03	6.83e-03235,221,221			1.00	0.04	0.96
1827	0.0	0.23	0.0 0,100,0	0.16	0.03	0.06236,100,100	0.30	236	0.0	0.0	0.0
	0.16	0.13	0.0 237,240,0	0.16	0.01	0.01236,221,221			1.00	0.04	0.96
1828	0.0	0.23	0.0 0,100,0	0.04	0.03	0.06235,100,100	0.16	235	0.0	0.0	0.0
	0.16	0.13	0.0 237,240,0	0.04	0.01	0.01235,221,221			1.00	0.04	0.96

Nodo	**V. 127**	**V. 128**	**V. 545**	**V. 129**	**V. 130**	**V. 131**	**V. D.26**
	0.16	0.23	0.0	0.32	0.04	0.06	0.43

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
55	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.79	45.6	189	0.33	19.1	189	0.81	4026.8	-6.086e+05	234

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1110	0.18	0.28	0.0	234,235,0	0.08	0.05	0.12221	235,235	0.21	221	0.87	0.06	0.94
	0.01	0.02	0.0	211,210,0	0.08	0.01	0.01221	216,216			1.00	0.04	0.96
1147	0.18	0.28	0.0	234,235,0	0.11	0.05	0.12221	235,235	0.25	221	0.87	0.06	0.94
	0.01	0.02	0.0	211,210,0	0.11	0.01	0.01221	216,216			1.00	0.04	0.96
1149	0.02	0.11	0.0	224,100,0	0.11	0.01	0.03221	235,235	0.25	221	0.87	0.06	0.94
	0.0	0.01	0.0	0,100,0	0.11	1.97e-03	1.97e-03	221,213,213			0.0	0.0	0.0
1151	0.05	0.11	0.0	224,221,0	0.08	6.47e-03	0.02217	234,237	0.21	217	0.87	0.06	0.94
	0.0	9.26e-03	0.0	0,100,0	0.08	1.46e-03	1.46e-03	217,233,233			0.0	0.0	0.0
1153	0.05	0.11	0.0	224,221,0	0.01	5.73e-03	0.02221	235,237	0.09	221	0.87	0.06	0.94
	0.0	9.00e-03	0.0	0,100,0	0.01	1.02e-03	1.02e-03	221,239,239			0.0	0.0	0.0
1806	0.18	0.28	0.0	234,235,0	0.08	0.05	0.12221	235,235	0.21	221	0.87	0.06	0.94
	0.01	0.02	0.0	211,210,0	0.08	0.01	0.01221	216,216			1.00	0.04	0.96
1807	0.10	0.21	0.0	234,235,0	0.08	0.02	0.05221	235,235	0.21	221	0.87	0.06	0.94
	2.95e-03	6.67e-03	0.0	240,213,0	0.08	5.02e-03	5.02e-03	221,237,237			1.00	0.04	0.96
1808	0.06	0.18	0.0	234,235,0	0.08	5.10e-03	0.03221	235,235	0.21	221	0.87	0.06	0.94
	5.30e-03	4.56e-03	0.0	240,237,0	0.08	4.15e-03	4.15e-03	221,240,240			1.00	0.04	0.96
1817	0.03	0.16	0.0	234,235,0	0.08	3.92e-03	0.02221	234,235	0.21	221	0.87	0.06	0.94
	8.29e-03	0.01	0.0	237,240,0	0.08	8.17e-03	8.17e-03	221,240,240			1.00	0.04	0.96
1818	0.02	0.15	0.0	234,100,0	0.10	0.03	0.04221	234,235	0.24	221	0.87	0.06	0.94
	0.03	0.05	0.0	224,237,0	0.10	0.01	0.01221	234,234			1.00	0.04	0.96
1827	0.01	0.15	0.0	240,100,0	0.10	0.03	0.04221	234,235	0.24	221	0.87	0.06	0.94
	0.04	0.06	0.0	240,237,0	0.10	0.02	0.02221	234,234			1.00	0.04	0.96
1828	0.01	0.13	0.0	240,100,0	0.01	0.03	0.04221	234,234	0.08	221	0.87	0.06	0.94
	0.04	0.06	0.0	240,237,0	0.01	0.02	0.02221	234,234			1.00	0.04	0.96
1829	0.18	0.28	0.0	234,235,0	0.11	0.05	0.12221	235,235	0.25	221	0.87	0.06	0.94
	0.01	0.02	0.0	211,210,0	0.11	0.01	0.01221	216,216			1.00	0.04	0.96
1830	0.10	0.21	0.0	234,235,0	0.11	0.02	0.05217	235,235	0.25	217	0.87	0.06	0.94
	6.98e-03	6.94e-03	0.0	236,235,0	0.11	5.02e-03	5.02e-03	217,237,237			1.00	0.04	0.96
1831	0.06	0.18	0.0	234,235,0	0.10	5.10e-03	0.03217	235,235	0.25	217	0.87	0.06	0.94
	8.40e-03	6.96e-03	0.0	236,233,0	0.10	4.15e-03	4.15e-03	217,240,240			1.00	0.04	0.96
1832	0.02	0.11	0.0	224,100,0	0.11	0.01	0.03221	235,235	0.25	221	0.87	0.06	0.94
	4.11e-03	0.01	0.0	234,100,0	0.11	2.48e-03	2.48e-03	221,235,235			1.00	0.04	0.96
1833	0.02	0.10	0.0	240,100,0	0.11	3.36e-03	0.01217	240,237	0.25	217	0.87	0.06	0.94
	6.98e-03	7.46e-03	0.0	236,235,0	0.11	2.48e-03	2.48e-03	217,235,235			1.00	0.04	0.96
1834	0.02	0.10	0.0	240,100,0	0.10	2.23e-03	0.01217	234,237	0.25	217	0.87	0.06	0.94
	8.40e-03	6.96e-03	0.0	236,233,0	0.10	2.24e-03	2.24e-03	217,236,236			1.00	0.04	0.96
1835	0.05	0.11	0.0	224,221,0	0.08	6.47e-03	0.02217	234,237	0.21	217	0.87	0.06	0.94
	4.11e-03	9.26e-03	0.0	234,100,0	0.08	1.46e-03	1.46e-03	217,233,233			1.00	0.04	0.96
1836	0.04	0.09	0.0	224,221,0	0.07	4.51e-03	0.02217	233,233	0.21	217	0.87	0.06	0.94
	5.65e-03	7.46e-03	0.0	234,235,0	0.07	1.34e-03	1.34e-03	217,236,236			1.00	0.04	0.96
1837	0.03	0.08	0.0	216,237,0	0.07	2.23e-03	0.01217	234,233	0.20	217	0.87	0.06	0.94
	5.65e-03	5.65e-03	0.0	234,235,0	0.07	2.24e-03	2.24e-03	217,236,236			1.00	0.04	0.96
1838	0.05	0.11	0.0	224,221,0	0.01	5.73e-03	0.02221	235,237	0.09	221	0.87	0.06	0.94
	0.0	9.00e-03	0.0	0,100,0	0.01	1.02e-03	1.02e-03	221,239,239			0.0	0.0	0.0
1839	0.04	0.09	0.0	224,221,0	0.01	4.51e-03	0.02217	233,233	0.09	217	0.87	0.06	0.94
	1.70e-03	3.43e-03	0.0	234,100,0	0.01	1.03e-03	1.03e-03	217,240,240			1.00	0.04	0.96
1840	0.03	0.08	0.0	216,221,0	0.01	2.00e-03	0.01217	235,233	0.09	217	0.87	0.06	0.94
	1.70e-03	2.20e-03	0.0	234,235,0	0.01	1.03e-03	1.03e-03	217,240,240			1.00	0.04	0.96
1841	0.03	0.16	0.0	234,235,0	0.10	3.92e-03	0.02217	234,235	0.24	217	0.87	0.06	0.94
	8.40e-03	0.01	0.0	236,240,0	0.10	8.17e-03	8.17e-03	217,240,240			1.00	0.04	0.96
1842	0.02	0.15	0.0	240,100,0	0.10	0.03	0.04221	234,235	0.24	221	0.87	0.06	0.94
	0.03	0.05	0.0	240,237,0	0.10	0.01	0.01221	234,234			1.00	0.04	0.96
1843	0.02	0.10	0.0	240,100,0	0.10	2.37e-03	0.01217	234,237	0.24	217	0.87	0.06	0.94
	8.40e-03	8.95e-03	0.0	236,236,0	0.10	5.43e-03	5.43e-03	217,234,234			1.00	0.04	0.96
1844	0.02	0.09	0.0	240,237,0	0.10	5.01e-03	0.02221	236,237	0.24	221	0.87	0.06	0.94
	0.03	0.04	0.0	240,237,0	0.10	5.43e-03	5.43e-03	221,234,234			1.00	0.04	0.96
1845	0.02	0.08	0.0	240,237,0	0.07	2.84e-03	0.01217	240,233	0.20	217	0.87	0.06	0.94
	5.06e-03	4.88e-03	0.0	238,239,0	0.07	2.24e-03	2.24e-03	217,236,236			1.00	0.04	0.96
1846	0.02	0.07	0.0	240,237,0	0.06	5.01e-03	0.01217	236,233	0.19	217	0.87	0.06	0.94
	0.01	0.02	0.0	240,100,0	0.06	4.50e-03	4.50e-03	217,234,234			1.00	0.04	0.96
1847	0.01	0.06	0.0	236,233,0	0.02	2.84e-03	0.01217	240,233	0.10	217	0.87	0.06	0.94
	1.56e-03	1.69e-03	0.0	213,220,0	0.02	8.42e-04	8.42e-04	217,236,236			1.00	0.04	0.96

1848	0.01	0.05	0.0	236,233,0	0.02	3.92e-03	0.01217,235,233	0.10	217	0.87	0.06	0.94
	2.12e-03	6.68e-03	0.0	224,100,0	0.02	1.37e-03	1.37e-03217,234,234			1.00	0.04	0.96
1849	0.02	0.15	0.0	234,100,0	0.10	0.03	0.04221,234,235	0.24	221	0.87	0.06	0.94
	0.04	0.06	0.0	240,237,0	0.10	0.02	0.02221,234,234			1.00	0.04	0.96
1850	0.01	0.13	0.0	236,100,0	0.03	0.03	0.04217,234,234	0.14	217	0.87	0.06	0.94
	0.04	0.06	0.0	240,237,0	0.03	0.02	0.02217,234,234			1.00	0.04	0.96
1851	0.02	0.09	0.0	234,235,0	0.09	5.54e-03	0.02221,234,237	0.23	221	0.87	0.06	0.94
	0.04	0.04	0.0	240,237,0	0.09	0.01	0.01221,234,234			1.00	0.04	0.96
1852	0.01	0.08	0.0	236,233,0	0.03	5.54e-03	0.01217,234,237	0.14	217	0.87	0.06	0.94
	0.04	0.04	0.0	240,237,0	0.03	0.01	0.01217,234,234			1.00	0.04	0.96
1853	0.01	0.06	0.0	240,237,0	0.05	5.43e-03	0.01217,235,233	0.17	217	0.87	0.06	0.94
	0.01	0.02	0.0	240,100,0	0.05	4.50e-03	4.50e-03217,234,234			1.00	0.04	0.96
1854	9.17e-03	0.05	0.0	214,100,0	0.02	5.43e-03	0.01211,235,235	0.10	211	0.87	0.06	0.94
	0.01	0.02	0.0	240,100,0	0.02	3.86e-03	3.86e-03211,240,240			1.00	0.04	0.96
1855	9.17e-03	0.05	0.0	214,215,0	0.01	5.43e-03	0.01209,235,235	0.08	209	0.87	0.06	0.94
	2.12e-03	8.70e-03	0.0	224,100,0	0.01	1.37e-03	1.37e-03209,234,234			1.00	0.04	0.96
1856	9.17e-03	0.05	0.0	214,215,0	0.01	5.43e-03	0.01215,235,235	0.08	215	0.87	0.06	0.94
	1.44e-03	8.70e-03	0.0	234,100,0	0.01	1.01e-03	1.01e-03215,100,100			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.18	0.28	0.0	0.11	0.05	0.12	0.25

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
56	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.77	-44.3	183	0.71	-41.2	183	0.55	2055.7	-5.103e+05	214

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
961	0.0	0.09	0.0	0,100,0	0.09	2.35e-03	0.01211,100,100		0.23	211	0.0	0.0	0.0
	0.0	9.45e-03	0.0	0,100,0	0.09	5.12e-04	5.12e-04211,209,209				0.0	0.0	0.0
1179	0.0	0.09	0.0	0,100,0	0.10	3.15e-03	0.01215,234,100		0.24	215	0.0	0.0	0.0
	0.0	9.45e-03	0.0	0,100,0	0.10	1.23e-03	1.23e-03215,233,233				0.0	0.0	0.0
1181	0.04	0.09	0.0	214,215,0	0.10	4.21e-03	0.01215,236,216		0.24	215	0.87	0.06	0.94
	0.0	8.43e-03	0.0	0,100,0	0.10	1.41e-03	1.41e-03215,235,235				0.0	0.0	0.0
1183	0.06	0.12	0.0	214,215,0	0.07	6.11e-03	0.02212,235,215		0.20	212	0.87	0.06	0.94
	0.0	7.78e-03	0.0	0,100,0	0.07	1.41e-03	1.41e-03212,235,235				0.0	0.0	0.0
1185	0.06	0.12	0.0	214,215,0	0.01	6.11e-03	0.02215,235,215		0.08	215	0.87	0.06	0.94
	0.0	7.78e-03	0.0	0,100,0	0.01	1.09e-03	1.09e-03215,235,235				0.0	0.0	0.0
1857	0.06	0.12	0.0	214,215,0	0.01	6.11e-03	0.02212,235,215		0.08	212	0.87	0.06	0.94
	0.0	7.78e-03	0.0	0,100,0	0.01	1.09e-03	1.09e-03212,235,235				0.0	0.0	0.0
1858	0.06	0.12	0.0	214,215,0	0.07	6.11e-03	0.02212,235,215		0.20	212	0.87	0.06	0.94
	1.70e-03	7.78e-03	0.0	236,100,0	0.07	1.41e-03	1.41e-03212,235,235				1.00	0.04	0.96
1859	0.05	0.10	0.0	209,212,0	0.01	4.32e-03	0.01212,235,239		0.08	212	0.87	0.06	0.94
	1.12e-03	2.97e-03	0.0	236,100,0	0.01	9.98e-04	9.98e-04212,236,236				1.00	0.04	0.96
1860	0.05	0.10	0.0	209,212,0	0.07	4.32e-03	0.01212,235,239		0.20	212	0.87	0.06	0.94
	4.39e-03	4.71e-03	0.0	236,233,0	0.07	1.47e-03	1.47e-03212,236,236				1.00	0.04	0.96
1861	0.04	0.08	0.0	213,216,0	0.01	2.17e-03	0.01212,235,239		0.08	212	0.87	0.06	0.94
	1.12e-03	1.79e-03	0.0	236,233,0	0.01	9.98e-04	9.98e-04212,236,236				1.00	0.04	0.96
1862	0.04	0.08	0.0	213,216,0	0.06	2.17e-03	0.01212,235,239		0.19	212	0.87	0.06	0.94
	4.39e-03	4.46e-03	0.0	236,233,0	0.06	1.47e-03	1.47e-03212,236,236				1.00	0.04	0.96
1863	0.04	0.09	0.0	214,215,0	0.10	4.21e-03	0.01211,236,216		0.24	211	0.87	0.06	0.94
	3.43e-03	8.43e-03	0.0	233,100,0	0.10	1.41e-03	1.41e-03211,235,235				1.00	0.04	0.96
1864	0.03	0.08	0.0	214,215,0	0.10	3.00e-03	0.01211,236,239		0.24	211	0.87	0.06	0.94
	6.21e-03	6.02e-03	0.0	236,233,0	0.10	1.47e-03	1.47e-03211,236,236				1.00	0.04	0.96
1865	0.03	0.07	0.0	214,215,0	0.09	1.79e-03	0.01211,234,235		0.24	211	0.87	0.06	0.94
	6.66e-03	5.93e-03	0.0	236,236,0	0.09	1.47e-03	1.47e-03211,236,236				1.00	0.04	0.96
1866	0.0	0.09	0.0	0,100,0	0.10	3.15e-03	0.01211,234,100		0.24	211	0.0	0.0	0.0
	3.43e-03	9.45e-03	0.0	233,100,0	0.10	3.24e-03	3.24e-03211,235,235				1.00	0.04	0.96
1867	0.0	0.09	0.0	0,100,0	0.10	2.17e-03	0.01211,234,100		0.24	211	0.0	0.0	0.0
	6.21e-03	6.02e-03	0.0	236,233,0	0.10	3.40e-03	3.40e-03211,236,236				1.00	0.04	0.96
1868	1.80e-03	0.09	0.0	214,100,0	0.09	2.22e-03	0.01211,100,100		0.24	211	0.87	0.06	0.94
	6.66e-03	5.93e-03	0.0	236,236,0	0.09	4.15e-03	4.15e-03211,236,236				1.00	0.04	0.96
1869	0.0	0.09	0.0	0,100,0	0.09	2.35e-03	0.01211,100,100		0.23	211	0.0	0.0	0.0
	1.29e-03	9.45e-03	0.0	233,100,0	0.09	3.24e-03	3.24e-03211,235,235				1.00	0.04	0.96
1870	0.0	0.09	0.0	0,100,0	0.09	1.02e-03	0.01211,234,100		0.23	211	0.0	0.0	0.0
	3.41e-03	4.04e-03	0.0	238,100,0	0.09	3.40e-03	3.40e-03211,236,236				1.00	0.04	0.96
1871	0.0	0.09	0.0	0,100,0	0.09	2.22e-03	0.01211,100,100		0.23	211	0.0	0.0	0.0

	4.31e-03	3.94e-03	0.0	238,236,0	0.09	4.15e-03	4.15e-03	211,236,236			1.00	0.04	0.96
1872	0.02	0.06	0.0	213,216,0	0.01	2.75e-03	0.01	212,240,239	0.08	212	0.87	0.06	0.94
	1.03e-03	1.68e-03	0.0	236,100,0	0.01	8.51e-04	8.51e-04	212,100,100			1.00	0.04	0.96
1873	0.02	0.07	0.0	213,215,0	0.06	2.75e-03	0.01	212,240,239	0.19	212	0.87	0.06	0.94
	3.93e-03	4.73e-03	0.0	236,100,0	0.06	1.47e-03	1.47e-03	212,236,236			1.00	0.04	0.96
1874	0.0	0.05	0.0	0,100,0	0.01	4.61e-03	0.01	212,237,233	0.09	212	0.0	0.0	0.0
	8.73e-04	3.36e-03	0.0	223,100,0	0.01	1.53e-03	1.53e-03	212,100,100			1.00	0.04	0.96
1875	0.02	0.06	0.0	214,215,0	0.05	4.61e-03	0.01	212,237,233	0.18	212	0.87	0.06	0.94
	4.36e-03	9.38e-03	0.0	232,100,0	0.05	3.31e-03	3.31e-03	212,100,100			1.00	0.04	0.96
1876	0.02	0.07	0.0	214,100,0	0.09	1.87e-03	9.42e-03	211,234,100	0.23	211	0.87	0.06	0.94
	6.66e-03	5.83e-03	0.0	236,236,0	0.09	1.61e-03	1.61e-03	211,236,236			1.00	0.04	0.96
1877	0.02	0.06	0.0	214,100,0	0.09	3.91e-03	9.77e-03	211,234,235	0.22	211	0.87	0.06	0.94
	0.01	0.02	0.0	99,100,0	0.09	3.31e-03	3.31e-03	211,100,100			1.00	0.04	0.96
1878	3.39e-03	0.09	0.0	214,100,0	0.09	5.55e-03	0.02	211,236,100	0.23	211	0.87	0.06	0.94
	6.66e-03	5.83e-03	0.0	236,236,0	0.09	4.15e-03	4.15e-03	211,236,236			1.00	0.04	0.96
1879	8.01e-03	0.09	0.0	234,100,0	0.09	8.50e-03	0.02	211,236,100	0.24	211	0.87	0.06	0.94
	0.01	0.02	0.0	99,100,0	0.09	9.05e-03	9.05e-03	211,100,100			1.00	0.04	0.96
1880	0.0	0.09	0.0	0,100,0	0.09	5.55e-03	0.02	211,236,100	0.23	211	0.0	0.0	0.0
	4.31e-03	3.94e-03	0.0	238,236,0	0.09	4.15e-03	4.15e-03	211,236,236			1.00	0.04	0.96
1881	8.01e-03	0.09	0.0	234,100,0	0.09	8.50e-03	0.02	211,236,100	0.24	211	0.87	0.06	0.94
	6.09e-03	0.01	0.0	234,100,0	0.09	9.05e-03	9.05e-03	211,100,100			1.00	0.04	0.96
1882	0.0	0.05	0.0	0,100,0	0.01	6.82e-03	0.01	212,233,233	0.09	212	0.0	0.0	0.0
	5.66e-04	5.35e-03	0.0	224,100,0	0.01	1.53e-03	1.53e-03	212,100,100			1.00	0.04	0.96
1883	0.01	0.05	0.0	214,215,0	0.05	6.82e-03	0.01	212,233,233	0.17	212	0.87	0.06	0.94
	4.36e-03	9.38e-03	0.0	232,100,0	0.05	3.48e-03	3.48e-03	212,100,100			1.00	0.04	0.96
1884	0.0	0.04	0.0	0,100,0	0.01	6.82e-03	0.01	212,233,233	0.09	212	0.0	0.0	0.0
	0.0	5.35e-03	0.0	0,100,0	0.01	1.50e-03	1.50e-03	212,100,100			0.0	0.0	0.0
1885	8.89e-03	0.04	0.0	214,215,0	0.05	6.82e-03	0.01	212,233,233	0.16	212	0.87	0.06	0.94
	1.46e-03	8.12e-03	0.0	240,100,0	0.05	3.48e-03	3.48e-03	212,100,100			1.00	0.04	0.96
1886	0.01	0.06	0.0	214,100,0	0.08	6.76e-03	9.77e-03	211,234,235	0.22	211	0.87	0.06	0.94
	0.01	0.02	0.0	99,100,0	0.08	4.35e-03	4.35e-03	211,100,100			1.00	0.04	0.96
1887	8.89e-03	0.04	0.0	214,100,0	0.07	6.76e-03	9.12e-03	211,234,235	0.21	211	0.87	0.06	0.94
	8.72e-03	0.02	0.0	234,100,0	0.07	4.35e-03	4.35e-03	211,100,100			1.00	0.04	0.96
1888	8.01e-03	0.15	0.0	234,100,0	0.12	0.02	0.04	211,100,100	0.27	211	0.87	0.06	0.94
	0.01	0.02	0.0	234,100,0	0.12	0.01	0.01	211,100,100			1.00	0.04	0.96
1889	3.45e-03	0.07	0.0	214,100,0	0.08	0.01	0.02	211,234,100	0.21	211	0.87	0.06	0.94
	8.72e-03	0.02	0.0	234,100,0	0.08	4.35e-03	4.35e-03	211,100,100			1.00	0.04	0.96
1890	8.01e-03	0.15	0.0	234,100,0	0.12	0.02	0.04	211,100,100	0.27	211	0.87	0.06	0.94
	0.01	0.02	0.0	234,100,0	0.12	0.01	0.01	211,100,100			1.00	0.04	0.96
1891	0.0	0.15	0.0	0,100,0	0.12	0.02	0.04	211,100,100	0.27	211	0.0	0.0	0.0
	0.01	0.02	0.0	234,100,0	0.12	0.01	0.01	211,100,100			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.06	0.15	0.0	0.12	0.02	0.04	0.27

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
57	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.71	296.8	202	0.68	-286.8	203	0.92	-1.703e+04	7.022e+06	236

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
90	0.05	0.07	0.0	233,236,0	0.16	0.01	0.02	234,212,212	0.30	234	0.87	0.06	0.94
	5.52e-03	5.62e-03	0.0	212,209,0	0.16	8.45e-04	8.45e-04	234,212,212			1.00	0.04	0.96
941	0.05	0.07	0.0	233,236,0	0.20	0.01	0.02	234,212,212	0.34	234	0.87	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.20	9.31e-04	9.31e-04	234,212,212			1.00	0.04	0.96
943	0.02	0.05	0.0	233,236,0	0.21	4.21e-03	8.33e-03	234,209,212	0.35	234	0.87	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.21	2.97e-03	2.97e-03	234,212,212			1.00	0.04	0.96
945	0.0	0.06	0.0	0,100,0	0.22	6.68e-03	0.01	235,209,212	0.36	235	0.0	0.0	0.0
	0.01	0.01	0.0	212,209,0	0.22	2.97e-03	2.97e-03	235,212,212			1.00	0.04	0.96
947	0.0	0.06	0.0	0,100,0	0.23	6.68e-03	0.01	235,209,212	0.37	235	0.0	0.0	0.0
	8.61e-03	6.46e-03	0.0	212,209,0	0.23	2.30e-03	2.30e-03	235,212,212			1.00	0.04	0.96
949	0.0	0.07	0.0	0,100,0	0.23	6.52e-03	0.01	235,212,212	0.37	235	0.0	0.0	0.0
	4.40e-03	4.27e-03	0.0	212,213,0	0.23	5.31e-04	5.31e-04	235,211,211			1.00	0.04	0.96
951	0.0	0.07	0.0	0,100,0	0.23	5.92e-03	0.01	235,212,209	0.37	235	0.0	0.0	0.0
	3.48e-03	4.27e-03	0.0	216,213,0	0.23	5.40e-04	5.40e-04	235,225,225			1.00	0.04	0.96
953	0.0	0.07	0.0	0,100,0	0.23	5.47e-03	0.01	235,212,209	0.37	235	0.0	0.0	0.0
	2.42e-03	5.59e-03	0.0	240,237,0	0.23	8.22e-04	8.22e-04	235,209,209			1.00	0.04	0.96

955	0.0	0.07	0.0	0,100,0	0.23	4.68e-03	9.43e-03235,215,214	0.37	235	0.0	0.0	0.0
	2.42e-03	6.90e-03	0.0	240,233,0	0.23	8.22e-04	8.22e-04235,209,209			1.00	0.04	0.96
957	0.0	0.07	0.0	0,100,0	0.22	3.77e-03	8.45e-03235,211,213	0.36	235	0.0	0.0	0.0
	2.25e-03	8.47e-03	0.0	236,100,0	0.22	7.83e-04	7.83e-04235,209,209			1.00	0.04	0.96
959	1.26e-03	0.08	0.0	240,100,0	0.21	2.38e-03	0.01235,211,100	0.35	235	0.87	0.06	0.94
	1.95e-03	0.01	0.0	236,100,0	0.21	2.25e-03	2.25e-03235,221,221			1.00	0.04	0.96
961	2.10e-03	0.11	0.0	240,100,0	0.21	1.43e-03	0.01235,100,100	0.35	235	0.87	0.06	0.94
	6.23e-03	0.02	0.0	234,237,0	0.21	3.19e-03	3.19e-03235,209,209			1.00	0.04	0.96
999	0.16	0.31	0.0	236,233,0	0.17	1.43e-03	0.04236,100,233	0.32	236	0.87	0.06	0.94
	6.23e-03	0.02	0.0	234,100,0	0.17	3.19e-03	3.19e-03236,209,209			1.00	0.04	0.96
1001	0.16	0.31	0.0	236,233,0	0.13	1.18e-03	0.04233,219,233	0.27	233	0.87	0.06	0.94
	0.0	0.02	0.0	0,100,0	0.13	7.92e-04	7.92e-04233,212,212			0.0	0.0	0.0
1626	0.05	0.07	0.0	233,236,0	0.16	0.01	0.03234,212,212	0.31	234	0.87	0.06	0.94
	0.02	0.01	0.0	212,212,0	0.16	0.01	0.01234,212,212			1.00	0.04	0.96
1627	0.05	0.06	0.0	233,236,0	0.16	0.01	0.03234,212,212	0.31	234	0.87	0.06	0.94
	0.03	0.03	0.0	212,212,0	0.16	0.03	0.03234,212,212			1.00	0.04	0.96
1628	0.04	0.06	0.0	225,236,0	0.16	0.03	0.04234,212,212	0.31	234	0.87	0.06	0.94
	0.03	0.03	0.0	212,212,0	0.16	0.03	0.03234,212,212			1.00	0.04	0.96
1637	0.03	0.05	0.0	233,236,0	0.16	0.03	0.04234,212,212	0.30	234	0.87	0.06	0.94
	0.02	0.02	0.0	212,212,0	0.16	0.02	0.02234,212,212			1.00	0.04	0.96
1638	0.02	0.05	0.0	209,212,0	0.15	0.03	0.04234,212,212	0.30	234	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.15	0.01	0.01234,212,212			1.00	0.04	0.96
1647	0.02	0.05	0.0	209,212,0	0.15	0.03	0.04234,212,212	0.30	234	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.15	0.01	0.01234,212,212			1.00	0.04	0.96
1648	6.95e-03	0.06	0.0	209,100,0	0.17	0.03	0.04234,212,212	0.31	234	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.17	2.92e-03	2.92e-03234,212,212			1.00	0.04	0.96
1869	7.43e-03	0.11	0.0	240,100,0	0.21	1.43e-03	0.01235,100,100	0.35	235	0.87	0.06	0.94
	7.39e-03	0.02	0.0	236,233,0	0.21	5.80e-03	5.80e-03235,209,209			1.00	0.04	0.96
1870	7.43e-03	0.11	0.0	240,100,0	0.21	8.05e-04	0.01235,215,100	0.36	235	0.87	0.06	0.94
	8.24e-03	0.02	0.0	216,233,0	0.21	5.93e-03	5.93e-03235,209,209			1.00	0.04	0.96
1871	4.45e-03	0.11	0.0	240,100,0	0.21	7.62e-04	0.01235,211,100	0.36	235	0.87	0.06	0.94
	8.24e-03	0.02	0.0	216,100,0	0.21	5.93e-03	5.93e-03235,209,209			1.00	0.04	0.96
1880	2.97e-03	0.11	0.0	240,100,0	0.21	7.28e-04	0.01235,212,100	0.35	235	0.87	0.06	0.94
	4.93e-03	0.03	0.0	216,100,0	0.21	5.83e-03	5.83e-03235,209,209			1.00	0.04	0.96
1881	0.0	0.11	0.0	0,100,0	0.21	7.57e-04	0.01235,215,100	0.35	235	0.0	0.0	0.0
	0.0	0.09	0.0	0,100,0	0.21	5.07e-03	5.07e-03235,209,209			0.0	0.0	0.0
1890	0.0	0.11	0.0	0,100,0	0.21	2.39e-03	0.01235,211,100	0.35	235	0.0	0.0	0.0
	7.85e-03	0.09	0.0	235,100,0	0.21	4.08e-03	4.08e-03235,209,209			1.00	0.04	0.96
1891	0.0	0.11	0.0	0,100,0	0.20	2.39e-03	0.01235,211,100	0.34	235	0.0	0.0	0.0
	7.85e-03	0.08	0.0	235,100,0	0.20	1.86e-03	1.86e-03235,221,221			1.00	0.04	0.96
1892	0.05	0.07	0.0	233,236,0	0.20	0.01	0.03234,212,212	0.34	234	0.87	0.06	0.94
	0.04	0.03	0.0	212,209,0	0.20	0.01	0.01234,212,212			1.00	0.04	0.96
1893	0.05	0.06	0.0	233,236,0	0.20	0.01	0.03234,212,212	0.34	234	0.87	0.06	0.94
	0.06	0.04	0.0	212,212,0	0.20	0.03	0.03234,212,212			1.00	0.04	0.96
1894	0.04	0.06	0.0	225,236,0	0.20	0.03	0.04234,212,212	0.34	234	0.87	0.06	0.94
	0.06	0.04	0.0	212,212,0	0.20	0.03	0.03234,212,212			1.00	0.04	0.96
1895	0.02	0.05	0.0	233,100,0	0.21	4.21e-03	9.43e-03234,209,212	0.35	234	0.87	0.06	0.94
	0.04	0.03	0.0	212,209,0	0.21	5.00e-03	5.00e-03234,212,212			1.00	0.04	0.96
1896	0.02	0.05	0.0	233,100,0	0.21	3.66e-03	9.43e-03234,212,212	0.35	234	0.87	0.06	0.94
	0.06	0.04	0.0	212,212,0	0.21	6.66e-03	6.66e-03234,212,212			1.00	0.04	0.96
1897	0.01	0.05	0.0	233,100,0	0.21	3.66e-03	8.41e-03235,212,216	0.35	235	0.87	0.06	0.94
	0.06	0.04	0.0	212,212,0	0.21	6.66e-03	6.66e-03235,212,212			1.00	0.04	0.96
1898	0.0	0.06	0.0	0,100,0	0.22	6.68e-03	0.01235,209,212	0.36	235	0.0	0.0	0.0
	0.03	0.02	0.0	212,209,0	0.22	5.00e-03	5.00e-03235,212,212			1.00	0.04	0.96
1899	0.0	0.06	0.0	0,100,0	0.22	4.22e-03	0.01235,209,212	0.36	235	0.0	0.0	0.0
	0.03	0.03	0.0	212,209,0	0.22	6.66e-03	6.66e-03235,212,212			1.00	0.04	0.96
1900	0.0	0.06	0.0	0,100,0	0.23	1.77e-03	9.49e-03235,212,212	0.36	235	0.0	0.0	0.0
	0.03	0.03	0.0	212,209,0	0.23	6.66e-03	6.66e-03235,212,212			1.00	0.04	0.96
1901	0.0	0.06	0.0	0,100,0	0.23	6.68e-03	0.01235,209,212	0.37	235	0.0	0.0	0.0
	0.02	0.01	0.0	212,209,0	0.23	3.89e-03	3.89e-03235,212,212			1.00	0.04	0.96
1902	0.0	0.06	0.0	0,100,0	0.23	4.33e-03	0.01235,209,212	0.37	235	0.0	0.0	0.0
	0.02	0.02	0.0	212,209,0	0.23	3.89e-03	3.89e-03235,212,212			1.00	0.04	0.96
1903	0.0	0.06	0.0	0,100,0	0.24	1.75e-03	0.01235,209,212	0.37	235	0.0	0.0	0.0
	0.02	0.02	0.0	212,209,0	0.24	3.79e-03	3.79e-03235,212,212			1.00	0.04	0.96
1904	0.0	0.07	0.0	0,100,0	0.23	6.52e-03	0.01235,212,212	0.37	235	0.0	0.0	0.0
	6.38e-03	8.52e-03	0.0	212,209,0	0.23	1.77e-03	1.77e-03235,212,212			1.00	0.04	0.96
1905	0.0	0.07	0.0	0,100,0	0.24	4.33e-03	0.01235,209,212	0.37	235	0.0	0.0	0.0
	8.22e-03	0.01	0.0	212,209,0	0.24	1.92e-03	1.92e-03235,212,212			1.00	0.04	0.96
1906	0.0	0.07	0.0	0,100,0	0.24	2.18e-03	0.01235,209,209	0.38	235	0.0	0.0	0.0
	8.22e-03	0.01	0.0	212,209,0	0.24	1.92e-03	1.92e-03235,212,212			1.00	0.04	0.96
1907	0.0	0.07	0.0	0,100,0	0.23	5.92e-03	0.01235,212,209	0.37	235	0.0	0.0	0.0
	3.48e-03	8.15e-03	0.0	216,233,0	0.23	6.03e-04	6.03e-04235,212,212			1.00	0.04	0.96
1908	0.0	0.07	0.0	0,100,0	0.24	4.25e-03	0.01235,212,209	0.38	235	0.0	0.0	0.0
	3.77e-03	0.01	0.0	216,52,0	0.24	7.97e-04	7.97e-04235,212,212			1.00	0.04	0.96
1909	0.0	0.07	0.0	0,100,0	0.24	2.18e-03	0.01235,209,209	0.38	235	0.0	0.0	0.0

	3.77e-03	0.01	0.0	216,100,0	0.24	1.08e-03	1.08e-03	235,212,212			1.00	0.04	0.96
1910	0.0	0.07	0.0	0,100,0	0.23	5.47e-03	0.01	235,212,209	0.37	235	0.0	0.0	0.0
	3.04e-03	0.01	0.0	236,233,0	0.23	8.22e-04	8.22e-04	235,209,209			1.00	0.04	0.96
1911	0.0	0.07	0.0	0,100,0	0.24	3.89e-03	0.01	235,212,209	0.38	235	0.0	0.0	0.0
	3.04e-03	0.01	0.0	236,100,0	0.24	2.29e-04	2.29e-04	235,212,212			1.00	0.04	0.96
1912	0.0	0.07	0.0	0,100,0	0.24	2.12e-03	0.01	235,212,209	0.38	235	0.0	0.0	0.0
	2.15e-03	0.02	0.0	216,100,0	0.24	4.66e-04	4.66e-04	235,212,212			1.00	0.04	0.96
1913	0.0	0.07	0.0	0,100,0	0.23	4.68e-03	9.75e-03	235,215,209	0.37	235	0.0	0.0	0.0
	3.43e-03	0.01	0.0	236,233,0	0.23	8.22e-04	8.22e-04	235,209,209			1.00	0.04	0.96
1914	0.0	0.07	0.0	0,100,0	0.24	3.19e-03	9.75e-03	235,212,209	0.38	235	0.0	0.0	0.0
	3.43e-03	0.01	0.0	236,100,0	0.24	8.96e-04	8.96e-04	235,209,209			1.00	0.04	0.96
1915	0.0	0.07	0.0	0,100,0	0.24	1.74e-03	9.35e-03	235,212,209	0.38	235	0.0	0.0	0.0
	1.62e-03	0.02	0.0	216,100,0	0.24	1.20e-03	1.20e-03	235,209,209			1.00	0.04	0.96
1916	0.0	0.07	0.0	0,100,0	0.23	3.77e-03	8.58e-03	235,211,210	0.37	235	0.0	0.0	0.0
	3.43e-03	0.01	0.0	236,100,0	0.23	2.28e-03	2.28e-03	235,209,209			1.00	0.04	0.96
1917	0.0	0.07	0.0	0,100,0	0.23	2.59e-03	8.58e-03	235,211,210	0.37	235	0.0	0.0	0.0
	3.43e-03	0.01	0.0	236,100,0	0.23	2.91e-03	2.91e-03	235,209,209			1.00	0.04	0.96
1918	0.0	0.07	0.0	0,100,0	0.24	1.45e-03	8.30e-03	235,211,210	0.38	235	0.0	0.0	0.0
	1.30e-03	0.02	0.0	236,100,0	0.24	3.07e-03	3.07e-03	235,209,209			1.00	0.04	0.96
1919	1.26e-03	0.08	0.0	240,100,0	0.22	2.38e-03	0.01	235,211,100	0.36	235	0.87	0.06	0.94
	6.51e-03	0.02	0.0	236,233,0	0.22	5.80e-03	5.80e-03	235,209,209			1.00	0.04	0.96
1920	0.0	0.08	0.0	0,100,0	0.23	1.59e-03	9.00e-03	235,211,100	0.36	235	0.0	0.0	0.0
	6.51e-03	0.02	0.0	236,233,0	0.23	5.93e-03	5.93e-03	235,209,209			1.00	0.04	0.96
1921	0.0	0.08	0.0	0,100,0	0.23	1.08e-03	8.81e-03	235,211,100	0.37	235	0.0	0.0	0.0
	6.30e-03	0.02	0.0	216,100,0	0.23	5.93e-03	5.93e-03	235,209,209			1.00	0.04	0.96
1922	0.03	0.05	0.0	233,236,0	0.19	0.03	0.04	234,212,212	0.34	234	0.87	0.06	0.94
	0.04	0.03	0.0	212,212,0	0.19	0.02	0.02	234,212,212			1.00	0.04	0.96
1923	0.02	0.05	0.0	209,100,0	0.18	0.03	0.04	234,212,212	0.33	234	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.18	0.01	0.01	234,212,212			1.00	0.04	0.96
1924	5.05e-03	0.05	0.0	233,100,0	0.21	3.00e-03	8.76e-03	235,212,216	0.35	235	0.87	0.06	0.94
	0.04	0.03	0.0	212,212,0	0.21	9.10e-03	9.10e-03	235,212,212			1.00	0.04	0.96
1925	2.04e-03	0.06	0.0	233,100,0	0.21	2.97e-03	8.76e-03	235,212,216	0.35	235	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.21	9.87e-03	9.87e-03	235,212,212			1.00	0.04	0.96
1926	0.0	0.06	0.0	0,100,0	0.23	2.98e-03	0.01	235,212,216	0.37	235	0.0	0.0	0.0
	0.02	0.02	0.0	212,209,0	0.23	3.66e-03	3.66e-03	235,212,212			1.00	0.04	0.96
1927	0.0	0.06	0.0	0,100,0	0.23	3.58e-03	0.01	235,209,216	0.37	235	0.0	0.0	0.0
	9.13e-03	0.02	0.0	212,209,0	0.23	7.19e-03	7.19e-03	235,212,212			1.00	0.04	0.96
1928	0.0	0.06	0.0	0,100,0	0.24	2.98e-03	0.01	235,212,216	0.37	235	0.0	0.0	0.0
	0.01	0.02	0.0	212,209,0	0.24	1.95e-03	1.95e-03	235,212,212			1.00	0.04	0.96
1929	0.0	0.06	0.0	0,100,0	0.24	4.27e-03	0.01	235,209,212	0.38	235	0.0	0.0	0.0
	9.13e-03	0.02	0.0	212,214,0	0.24	1.65e-03	1.65e-03	235,212,212			1.00	0.04	0.96
1930	0.0	0.07	0.0	0,100,0	0.24	2.46e-03	0.01	235,212,209	0.38	235	0.0	0.0	0.0
	7.65e-03	0.02	0.0	212,100,0	0.24	1.69e-03	1.69e-03	235,212,212			1.00	0.04	0.96
1931	0.0	0.06	0.0	0,100,0	0.24	4.47e-03	0.01	235,212,212	0.38	235	0.0	0.0	0.0
	4.99e-03	0.02	0.0	215,100,0	0.24	1.36e-03	1.36e-03	235,212,212			1.00	0.04	0.96
1932	0.0	0.07	0.0	0,100,0	0.25	2.24e-03	0.01	235,212,209	0.38	235	0.0	0.0	0.0
	2.52e-03	0.02	0.0	212,100,0	0.25	1.19e-03	1.19e-03	235,212,212			1.00	0.04	0.96
1933	0.0	0.07	0.0	0,100,0	0.25	4.47e-03	0.01	235,212,212	0.38	235	0.0	0.0	0.0
	0.0	0.03	0.0	0,100,0	0.25	1.19e-03	1.19e-03	235,212,212			0.0	0.0	0.0
1934	0.0	0.07	0.0	0,100,0	0.25	1.92e-03	0.01	235,212,209	0.38	235	0.0	0.0	0.0
	0.0	0.02	0.0	0,100,0	0.25	6.36e-04	6.36e-04	235,212,212			0.0	0.0	0.0
1935	0.0	0.07	0.0	0,100,0	0.25	4.07e-03	0.01	235,212,209	0.38	235	0.0	0.0	0.0
	0.0	0.03	0.0	0,100,0	0.25	7.98e-04	7.98e-04	235,215,215			0.0	0.0	0.0
1936	0.0	0.07	0.0	0,100,0	0.25	1.56e-03	9.18e-03	235,212,209	0.38	235	0.0	0.0	0.0
	0.0	0.03	0.0	0,100,0	0.25	1.20e-03	1.20e-03	235,209,209			0.0	0.0	0.0
1937	0.0	0.07	0.0	0,100,0	0.25	3.31e-03	9.86e-03	235,212,210	0.38	235	0.0	0.0	0.0
	0.0	0.04	0.0	0,100,0	0.25	1.06e-03	1.06e-03	235,209,209			0.0	0.0	0.0
1938	0.0	0.07	0.0	0,100,0	0.24	1.13e-03	7.90e-03	235,215,210	0.38	235	0.0	0.0	0.0
	0.0	0.03	0.0	0,100,0	0.24	3.07e-03	3.07e-03	235,209,209			0.0	0.0	0.0
1939	0.0	0.07	0.0	0,100,0	0.24	2.79e-03	8.67e-03	235,211,210	0.38	235	0.0	0.0	0.0
	0.0	0.06	0.0	0,100,0	0.24	2.63e-03	2.63e-03	235,209,209			0.0	0.0	0.0
1940	0.0	0.08	0.0	0,100,0	0.23	6.59e-04	8.79e-03	235,212,100	0.37	235	0.0	0.0	0.0
	2.86e-03	0.03	0.0	216,100,0	0.23	5.83e-03	5.83e-03	235,209,209			1.00	0.04	0.96
1941	0.0	0.08	0.0	0,100,0	0.23	1.76e-03	8.69e-03	235,211,100	0.37	235	0.0	0.0	0.0
	0.0	0.07	0.0	0,100,0	0.23	5.07e-03	5.07e-03	235,209,209			0.0	0.0	0.0
1942	0.02	0.06	0.0	209,100,0	0.17	0.03	0.04	235,212,212	0.32	235	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.17	0.01	0.01	235,212,212			1.00	0.04	0.96
1943	0.0	0.06	0.0	0,100,0	0.17	0.01	0.02	235,212,212	0.31	235	0.0	0.0	0.0
	0.01	0.01	0.0	212,209,0	0.17	2.82e-03	2.82e-03	235,212,212			1.00	0.04	0.96
1944	7.36e-04	0.06	0.0	233,100,0	0.21	7.57e-03	0.01	235,209,212	0.35	235	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.21	9.87e-03	9.87e-03	235,212,212			1.00	0.04	0.96
1945	0.0	0.06	0.0	0,100,0	0.20	7.57e-03	0.01	235,209,212	0.35	235	0.0	0.0	0.0
	0.01	0.01	0.0	212,209,0	0.20	2.80e-03	2.80e-03	235,212,212			1.00	0.04	0.96
1946	0.0	0.06	0.0	0,100,0	0.23	4.93e-03	9.33e-03	235,210,216	0.36	235	0.0	0.0	0.0
	4.31e-03	0.01	0.0	215,214,0	0.23	7.19e-03	7.19e-03	235,212,212			1.00	0.04	0.96

1947	0.0	0.06	0.0	0,100,0	0.22	4.93e-03	8.81e-03235,210,210	0.36	235	0.0	0.0	0.0
	2.81e-03	8.15e-03	0.0	211,210,0	0.22	2.80e-03	2.80e-03235,212,212			1.00	0.04	0.96
1948	0.0	0.06	0.0	0,100,0	0.24	5.91e-03	0.01235,209,212	0.38	235	0.0	0.0	0.0
	4.31e-03	0.02	0.0	215,214,0	0.24	1.65e-03	1.65e-03235,212,212			1.00	0.04	0.96
1949	0.0	0.06	0.0	0,100,0	0.24	5.91e-03	0.01235,209,216	0.37	235	0.0	0.0	0.0
	3.85e-03	0.01	0.0	211,210,0	0.24	9.99e-04	9.99e-04235,226,226			1.00	0.04	0.96
1950	0.0	0.06	0.0	0,100,0	0.24	6.34e-03	0.01235,209,212	0.38	235	0.0	0.0	0.0
	3.85e-03	0.02	0.0	211,100,0	0.24	9.99e-04	9.99e-04235,226,226			1.00	0.04	0.96
1951	0.0	0.06	0.0	0,100,0	0.24	6.34e-03	0.01235,209,212	0.38	235	0.0	0.0	0.0
	3.85e-03	0.01	0.0	211,210,0	0.24	9.99e-04	9.99e-04235,226,226			1.00	0.04	0.96
1952	0.0	0.07	0.0	0,100,0	0.25	6.34e-03	0.01235,209,212	0.38	235	0.0	0.0	0.0
	3.23e-03	0.03	0.0	211,100,0	0.25	1.88e-03	1.88e-03235,211,211			1.00	0.04	0.96
1953	0.0	0.07	0.0	0,100,0	0.25	6.34e-03	0.01235,209,212	0.38	235	0.0	0.0	0.0
	3.23e-03	0.02	0.0	211,100,0	0.25	1.88e-03	1.88e-03235,211,211			1.00	0.04	0.96
1954	0.0	0.07	0.0	0,100,0	0.25	5.97e-03	0.01235,212,209	0.38	235	0.0	0.0	0.0
	0.0	0.03	0.0	0,100,0	0.25	1.88e-03	1.88e-03235,211,211			0.0	0.0	0.0
1955	0.0	0.07	0.0	0,100,0	0.25	5.97e-03	0.01235,212,214	0.38	235	0.0	0.0	0.0
	0.0	0.02	0.0	0,100,0	0.25	1.88e-03	1.88e-03235,211,211			0.0	0.0	0.0
1956	0.0	0.07	0.0	0,100,0	0.25	5.81e-03	0.01235,211,210	0.38	235	0.0	0.0	0.0
	0.0	0.04	0.0	0,100,0	0.25	7.32e-04	7.32e-04235,213,213			0.0	0.0	0.0
1957	0.0	0.06	0.0	0,100,0	0.25	5.81e-03	0.01235,211,210	0.38	235	0.0	0.0	0.0
	0.0	0.03	0.0	0,100,0	0.25	6.35e-04	6.35e-04235,230,230			0.0	0.0	0.0
1958	0.0	0.07	0.0	0,100,0	0.24	4.54e-03	8.79e-03235,215,214	0.38	235	0.0	0.0	0.0
	0.0	0.06	0.0	0,100,0	0.24	1.86e-03	1.86e-03235,213,213			0.0	0.0	0.0
1959	0.0	0.06	0.0	0,100,0	0.24	4.54e-03	8.79e-03235,215,214	0.38	235	0.0	0.0	0.0
	0.0	0.04	0.0	0,100,0	0.24	6.35e-04	6.35e-04235,230,230			0.0	0.0	0.0
1960	0.0	0.07	0.0	0,100,0	0.23	3.41e-03	9.22e-03235,215,100	0.37	235	0.0	0.0	0.0
	0.0	0.07	0.0	0,100,0	0.23	4.08e-03	4.08e-03235,209,209			0.0	0.0	0.0
1961	0.0	0.07	0.0	0,100,0	0.23	3.41e-03	9.22e-03235,215,100	0.37	235	0.0	0.0	0.0
	0.0	0.06	0.0	0,100,0	0.23	1.58e-03	1.58e-03235,209,209			0.0	0.0	0.0
1962	0.16	0.31	0.0	236,233,0	0.18	1.43e-03	0.04236,100,233	0.33	236	0.87	0.06	0.94
	7.39e-03	0.02	0.0	236,100,0	0.18	5.38e-03	5.38e-03236,217,217			1.00	0.04	0.96
1963	0.11	0.27	0.0	236,233,0	0.18	8.09e-04	0.03236,225,233	0.33	236	0.87	0.06	0.94
	8.24e-03	0.02	0.0	216,233,0	0.18	5.82e-03	5.82e-03236,209,209			1.00	0.04	0.96
1964	0.06	0.24	0.0	236,233,0	0.18	7.28e-04	0.03236,212,233	0.33	236	0.87	0.06	0.94
	8.24e-03	0.02	0.0	216,213,0	0.18	5.82e-03	5.82e-03236,209,209			1.00	0.04	0.96
1965	0.16	0.31	0.0	236,233,0	0.13	1.18e-03	0.04233,219,233	0.27	233	0.87	0.06	0.94
	0.0	0.02	0.0	0,100,0	0.13	1.42e-03	1.42e-03233,221,221			0.0	0.0	0.0
1966	0.11	0.27	0.0	236,233,0	0.09	8.09e-04	0.03236,225,233	0.23	236	0.87	0.06	0.94
	9.51e-04	0.01	0.0	236,100,0	0.09	2.04e-03	2.04e-03236,209,209			1.00	0.04	0.96
1967	0.06	0.24	0.0	236,233,0	0.08	5.15e-04	0.03236,231,233	0.22	236	0.87	0.06	0.94
	9.51e-04	9.06e-03	0.0	236,100,0	0.08	2.06e-03	2.06e-03236,209,209			1.00	0.04	0.96
1968	0.02	0.24	0.0	240,100,0	0.19	7.28e-04	0.03236,212,100	0.33	236	0.87	0.06	0.94
	4.93e-03	0.03	0.0	216,100,0	0.19	5.73e-03	5.73e-03236,209,209			1.00	0.04	0.96
1969	0.0	0.25	0.0	0,100,0	0.21	6.96e-04	0.03236,107,100	0.35	236	0.0	0.0	0.0
	0.0	0.10	0.0	0,100,0	0.21	5.04e-03	5.04e-03236,209,209			0.0	0.0	0.0
1970	0.02	0.24	0.0	240,100,0	0.09	6.33e-04	0.03236,221,100	0.23	236	0.87	0.06	0.94
	0.0	0.02	0.0	0,100,0	0.09	2.06e-03	2.06e-03236,209,209			0.0	0.0	0.0
1971	0.0	0.25	0.0	0,100,0	0.19	6.96e-04	0.03236,107,100	0.33	236	0.0	0.0	0.0
	0.0	0.10	0.0	0,100,0	0.19	1.80e-03	1.80e-03236,209,209			0.0	0.0	0.0
1972	0.0	0.25	0.0	0,100,0	0.21	1.81e-03	0.03236,223,100	0.35	236	0.0	0.0	0.0
	9.77e-03	0.10	0.0	235,100,0	0.21	4.03e-03	4.03e-03236,209,209			1.00	0.04	0.96
1973	0.0	0.25	0.0	0,100,0	0.07	1.81e-03	0.03233,223,100	0.21	233	0.0	0.0	0.0
	9.77e-03	0.10	0.0	235,100,0	0.07	1.86e-03	1.86e-03233,221,221			1.00	0.04	0.96
1974	0.0	0.25	0.0	0,100,0	0.19	1.61e-03	0.03236,223,100	0.33	236	0.0	0.0	0.0
	9.77e-03	0.10	0.0	235,100,0	0.19	1.27e-03	1.27e-03236,209,209			1.00	0.04	0.96
1975	0.0	0.25	0.0	0,100,0	0.02	1.61e-03	0.03240,223,100	0.12	240	0.0	0.0	0.0
	9.77e-03	0.10	0.0	235,100,0	0.02	6.39e-04	6.39e-04240,211,211			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.16	0.31	0.0	0.25	0.03	0.04	0.38

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
58	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.96	73.8	204	0.51	39.3	204	0.87	-4462.0	1.779e+06	234

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B

682	0.12	0.19	0.0	230,237,0	0.02	0.04	0.08236,221,221	0.09	236	0.87	0.06	0.94
	0.07	0.03	0.0	236,233,0	0.02	0.02	0.02236,221,221			1.00	0.04	0.96
720	0.12	0.19	0.0	230,237,0	0.16	0.04	0.08236,221,221	0.31	236	0.87	0.06	0.94
	0.07	0.03	0.0	99,233,0	0.16	0.02	0.02236,221,221			1.00	0.04	0.96
722	0.05	0.15	0.0	234,239,0	0.17	9.66e-03	0.02233,221,219	0.32	233	0.87	0.06	0.94
	0.07	0.02	0.0	99,237,0	0.17	6.36e-03	6.36e-03233,221,221			1.00	0.04	0.96
724	0.0	0.11	0.0	0,100,0	0.18	9.50e-03	0.02233,224,223	0.33	233	0.0	0.0	0.0
	0.05	8.14e-03	0.0	99,237,0	0.18	4.64e-03	4.64e-03233,217,217			1.00	0.04	0.96
726	0.08	0.13	0.0	233,236,0	0.18	6.68e-03	0.02233,217,238	0.33	233	0.87	0.06	0.94
	0.02	2.44e-03	0.0	99,105,0	0.18	1.92e-03	1.92e-03233,217,217			1.00	0.04	0.96
1358	0.12	0.19	0.0	230,237,0	0.12	0.04	0.08236,221,221	0.27	236	0.87	0.06	0.94
	0.07	0.03	0.0	236,233,0	0.12	0.02	0.02236,221,221			1.00	0.04	0.96
1360	0.08	0.17	0.0	230,235,0	0.12	0.03	0.05236,221,221	0.27	236	0.87	0.06	0.94
	0.07	0.03	0.0	240,237,0	0.12	0.02	0.02236,221,221			1.00	0.04	0.96
1362	0.03	0.16	0.0	230,100,0	0.10	0.02	0.04236,221,224	0.24	236	0.87	0.06	0.94
	0.02	7.11e-03	0.0	237,240,0	0.10	5.94e-03	5.94e-03236,221,221			1.00	0.04	0.96
1364	0.03	0.19	0.0	221,100,0	0.10	0.02	0.05236,221,224	0.24	236	0.87	0.06	0.94
	0.02	0.03	0.0	218,221,0	0.10	0.03	0.03236,221,221			1.00	0.04	0.96
1366	0.03	0.19	0.0	221,100,0	0.13	0.03	0.06100,221,224	0.28	100	0.87	0.06	0.94
	0.02	0.08	0.0	218,100,0	0.13	0.03	0.03100,221,221			1.00	0.04	0.96
1368	0.02	0.19	0.0	221,100,0	0.13	0.03	0.06100,221,224	0.28	100	0.87	0.06	0.94
	9.45e-03	0.08	0.0	221,100,0	0.13	0.02	0.02100,221,221			1.00	0.04	0.96
1370	0.0	0.17	0.0	0,100,0	0.02	0.02	0.03100,221,100	0.10	100	0.0	0.0	0.0
	0.0	0.07	0.0	0,100,0	0.02	6.20e-03	6.20e-03100,224,224			0.0	0.0	0.0
1976	0.12	0.19	0.0	230,237,0	0.30	0.04	0.08236,221,221	0.42	236	0.87	0.06	0.94
	0.09	0.03	0.0	99,233,0	0.30	0.02	0.02236,221,221			1.00	0.04	0.96
1977	0.08	0.17	0.0	230,235,0	0.30	0.03	0.05236,221,221	0.42	236	0.87	0.06	0.94
	0.09	0.03	0.0	99,237,0	0.30	0.02	0.02236,221,221			1.00	0.04	0.96
1978	0.03	0.16	0.0	230,100,0	0.28	0.02	0.04236,221,224	0.41	236	0.87	0.06	0.94
	0.02	9.77e-03	0.0	221,224,0	0.28	5.94e-03	5.94e-03236,221,221			1.00	0.04	0.96
1979	0.05	0.15	0.0	234,239,0	0.30	9.66e-03	0.02236,221,219	0.42	236	0.87	0.06	0.94
	0.09	0.02	0.0	99,237,0	0.30	6.68e-03	6.68e-03236,221,221			1.00	0.04	0.96
1980	0.03	0.14	0.0	234,239,0	0.30	7.64e-03	0.02236,221,219	0.42	236	0.87	0.06	0.94
	0.09	0.02	0.0	99,237,0	0.30	6.68e-03	6.68e-03236,221,221			1.00	0.04	0.96
1981	0.02	0.13	0.0	226,100,0	0.29	7.64e-03	0.02236,221,219	0.41	236	0.87	0.06	0.94
	0.02	0.01	0.0	221,224,0	0.29	3.69e-03	3.69e-03236,221,221			1.00	0.04	0.96
1982	0.0	0.11	0.0	0,100,0	0.28	9.50e-03	0.02236,224,223	0.41	236	0.0	0.0	0.0
	0.06	0.01	0.0	99,237,0	0.28	6.68e-03	6.68e-03236,221,221			1.00	0.04	0.96
1983	0.0	0.11	0.0	0,100,0	0.29	4.88e-03	0.02236,220,223	0.41	236	0.0	0.0	0.0
	0.06	0.01	0.0	99,237,0	0.29	6.68e-03	6.68e-03236,221,221			1.00	0.04	0.96
1984	0.0	0.10	0.0	0,100,0	0.29	2.35e-03	0.02236,221,223	0.41	236	0.0	0.0	0.0
	0.01	0.01	0.0	221,224,0	0.29	3.44e-03	3.44e-03236,221,221			1.00	0.04	0.96
1985	0.08	0.13	0.0	233,236,0	0.24	6.68e-03	0.02236,217,238	0.37	236	0.87	0.06	0.94
	0.03	4.17e-03	0.0	99,237,0	0.24	3.85e-03	3.85e-03236,221,221			1.00	0.04	0.96
1986	0.04	0.09	0.0	237,240,0	0.26	3.98e-03	0.01236,219,220	0.39	236	0.87	0.06	0.94
	0.03	4.33e-03	0.0	99,235,0	0.26	3.85e-03	3.85e-03236,221,221			1.00	0.04	0.96
1987	8.56e-03	0.07	0.0	221,100,0	0.26	1.71e-03	0.01236,223,224	0.39	236	0.87	0.06	0.94
	0.02	0.01	0.0	233,236,0	0.26	2.45e-03	2.45e-03236,221,221			1.00	0.04	0.96
1988	0.03	0.19	0.0	221,100,0	0.27	0.02	0.05236,221,224	0.40	236	0.87	0.06	0.94
	0.04	0.05	0.0	218,237,0	0.27	0.03	0.03236,221,221			1.00	0.04	0.96
1989	0.03	0.19	0.0	221,100,0	0.23	0.03	0.06236,221,224	0.36	236	0.87	0.06	0.94
	0.04	0.08	0.0	218,100,0	0.23	0.03	0.03236,221,221			1.00	0.04	0.96
1990	0.01	0.12	0.0	218,100,0	0.28	7.27e-03	0.02236,221,219	0.41	236	0.87	0.06	0.94
	0.05	0.05	0.0	240,237,0	0.28	6.84e-03	6.84e-03236,221,221			1.00	0.04	0.96
1991	0.01	0.12	0.0	218,100,0	0.24	4.68e-03	0.02236,217,219	0.38	236	0.87	0.06	0.94
	0.05	0.07	0.0	240,100,0	0.24	6.84e-03	6.84e-03236,221,221			1.00	0.04	0.96
1992	0.0	0.09	0.0	0,100,0	0.28	2.88e-03	0.01236,217,219	0.41	236	0.0	0.0	0.0
	0.08	0.07	0.0	234,235,0	0.28	6.84e-03	6.84e-03236,221,221			1.00	0.04	0.96
1993	0.0	0.08	0.0	0,100,0	0.24	3.85e-03	0.01236,219,219	0.38	236	0.0	0.0	0.0
	0.08	0.08	0.0	234,235,0	0.24	6.84e-03	6.84e-03236,221,221			1.00	0.04	0.96
1994	0.04	0.07	0.0	234,235,0	0.25	2.88e-03	0.01236,217,224	0.39	236	0.87	0.06	0.94
	0.12	0.09	0.0	236,233,0	0.25	4.68e-03	4.68e-03236,221,221			1.00	0.04	0.96
1995	0.04	0.07	0.0	234,235,0	0.23	4.79e-03	0.01236,219,219	0.37	236	0.87	0.06	0.94
	0.14	0.11	0.0	236,233,0	0.23	4.68e-03	4.68e-03236,221,221			1.00	0.04	0.96
1996	0.02	0.19	0.0	221,100,0	0.13	0.03	0.06240,221,224	0.28	240	0.87	0.06	0.94
	0.03	0.08	0.0	218,100,0	0.13	0.02	0.02240,221,221			1.00	0.04	0.96
1997	0.0	0.17	0.0	0,100,0	0.05	0.02	0.03240,221,100	0.17	240	0.0	0.0	0.0
	0.0	0.07	0.0	0,100,0	0.05	6.20e-03	6.20e-03240,224,224			0.0	0.0	0.0
1998	0.01	0.11	0.0	218,100,0	0.13	0.01	0.02240,221,224	0.28	240	0.87	0.06	0.94
	0.03	0.07	0.0	226,100,0	0.13	6.07e-03	6.07e-03240,221,221			1.00	0.04	0.96
1999	0.0	0.10	0.0	0,100,0	0.05	0.01	0.02240,221,224	0.17	240	0.0	0.0	0.0
	2.33e-03	0.06	0.0	218,100,0	0.05	4.29e-03	4.29e-03240,224,224			1.00	0.04	0.96
2000	0.0	0.07	0.0	0,100,0	0.11	7.19e-03	0.01236,224,219	0.26	236	0.0	0.0	0.0
	0.08	0.08	0.0	234,235,0	0.11	6.07e-03	6.07e-03236,221,221			1.00	0.04	0.96

2001	0.0	0.06	0.0	0,100,0	0.04	7.19e-03	0.01236,224,219	0.16	236	0.0	0.0	0.0
	2.33e-03	0.04	0.0	218,100,0	0.04	3.56e-03	3.56e-03236,221,221			1.00	0.04	0.96
2002	0.03	0.06	0.0	234,235,0	0.07	6.23e-03	0.01236,219,219	0.20	236	0.87	0.06	0.94
	0.14	0.11	0.0	236,233,0	0.07	4.61e-03	4.61e-03236,221,221			1.00	0.04	0.96
2003	0.0	0.05	0.0	0,100,0	0.03	6.23e-03	0.01236,219,219	0.13	236	0.0	0.0	0.0
	2.31e-03	0.03	0.0	218,100,0	0.03	3.07e-03	3.07e-03236,221,221			1.00	0.04	0.96
2004	0.04	0.07	0.0	234,235,0	0.19	4.79e-03	0.01236,219,219	0.33	236	0.87	0.06	0.94
	0.14	0.11	0.0	236,233,0	0.19	3.25e-03	3.25e-03236,221,221			1.00	0.04	0.96
2005	0.03	0.06	0.0	234,235,0	0.02	6.23e-03	0.01233,219,219	0.12	233	0.87	0.06	0.94
	0.14	0.11	0.0	236,233,0	0.02	3.25e-03	3.25e-03233,221,221			1.00	0.04	0.96
2006	0.0	0.03	0.0	0,100,0	0.02	6.23e-03	0.01233,219,219	0.12	233	0.0	0.0	0.0
	0.0	0.02	0.0	0,100,0	0.02	1.37e-03	1.37e-03233,209,209			0.0	0.0	0.0
2027	0.08	0.13	0.0	233,236,0	0.11	5.81e-03	0.02233,217,238	0.25	233	0.87	0.06	0.94
	1.56e-03	2.44e-03	0.0	211,105,0	0.11	5.63e-04	5.63e-04233,231,231			1.00	0.04	0.96
2558	0.08	0.13	0.0	233,236,0	0.11	5.81e-03	0.02236,217,238	0.25	236	0.87	0.06	0.94
	5.97e-03	2.44e-03	0.0	99,105,0	0.11	9.61e-04	9.61e-04236,100,100			1.00	0.04	0.96
2559	8.56e-03	0.06	0.0	221,100,0	0.12	1.71e-03	0.01236,223,224	0.27	236	0.87	0.06	0.94
	0.02	0.01	0.0	233,236,0	0.12	1.23e-03	1.23e-03236,221,221			1.00	0.04	0.96
2560	0.04	0.07	0.0	234,235,0	0.19	8.82e-04	0.01236,217,223	0.33	236	0.87	0.06	0.94
	0.12	0.09	0.0	236,233,0	0.19	3.15e-03	3.15e-03236,221,221			1.00	0.04	0.96
2573	0.04	0.09	0.0	237,240,0	0.12	3.65e-03	0.01236,218,224	0.27	236	0.87	0.06	0.94
	5.97e-03	4.33e-03	0.0	99,235,0	0.12	9.61e-04	9.61e-04236,100,100			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.14	0.19	0.0	0.30	0.04	0.08	0.42

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
59	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
338	4.39e-03	5.13e-03	0.0	233,236,0	0.13	6.08e-04	3.46e-03228,209,44		0.28	228	0.36	0.13	0.87
	0.01	0.02	0.0	228,225,0	0.13	4.28e-03	4.28e-03228,209,209				1.00	0.04	0.96
383	0.01	9.08e-03	0.0	228,225,0	0.24	8.39e-04	1.67e-03225,221,220		0.38	225	0.36	0.13	0.87
	0.09	0.08	0.0	225,228,0	0.24	5.98e-03	5.98e-03 225,47,47				1.00	0.04	0.96
384	1.54e-03	2.24e-03	0.0	221,224,0	0.08	8.39e-04	1.67e-03225,221,220		0.22	225	0.36	0.13	0.87
	0.09	0.08	0.0	225,228,0	0.08	5.98e-03	5.98e-03 225,47,47				1.00	0.04	0.96
1450	0.04	0.02	0.0	225,228,0	0.09	1.96e-03	3.55e-03225,217,212		0.23	225	0.36	0.13	0.87
	0.32	0.22	0.0	225,228,0	0.09	0.01	0.01 225,43,43				1.00	0.04	0.96
1451	0.20	0.13	0.0	225,228,0	0.12	4.81e-03	0.02225,209,228		0.27	225	0.36	0.13	0.87
	0.32	0.22	0.0	225,228,0	0.12	0.01	0.01 225,43,43				1.00	0.04	0.96
1477	0.01	0.01	0.0	233,236,0	0.13	9.17e-04	3.46e-03 228,44,44		0.28	228	0.36	0.13	0.87
	0.12	0.11	0.0	228,225,0	0.13	4.28e-03	4.28e-03228,209,209				1.00	0.04	0.96
1479	0.01	0.03	0.0	228,225,0	0.11	6.55e-03	9.20e-03225,209,209		0.25	225	0.36	0.13	0.87
	0.12	0.11	0.0	228,225,0	0.11	0.02	0.02225,210,210				1.00	0.04	0.96
3199	0.20	0.13	0.0	225,228,0	0.24	4.81e-03	0.02225,209,228		0.38	225	0.36	0.13	0.87
	0.32	0.22	0.0	225,228,0	0.24	0.01	0.01 225,43,43				1.00	0.04	0.96
3200	0.20	0.13	0.0	225,228,0	0.16	4.81e-03	0.02225,209,228		0.31	225	0.36	0.13	0.87
	1.70e-03	7.76e-03	0.0	230,44,0	0.16	3.67e-03	3.67e-03225,210,210				1.00	0.04	0.96
3205	4.39e-03	5.13e-03	0.0	233,236,0	0.19	6.08e-04	3.46e-03225,209,44		0.34	225	0.36	0.13	0.87
	0.04	0.02	0.0	225,225,0	0.19	4.28e-03	4.28e-03225,209,209				1.00	0.04	0.96
3206	0.03	0.03	0.0	225,228,0	0.19	6.55e-03	9.20e-03225,209,209		0.34	225	0.36	0.13	0.87
	0.12	0.11	0.0	228,225,0	0.19	0.02	0.02225,210,210				1.00	0.04	0.96
3207	0.01	9.08e-03	0.0	228,225,0	0.24	3.32e-04	1.92e-03225,225,43		0.38	225	0.36	0.13	0.87
	0.05	0.04	0.0	228,225,0	0.24	1.67e-03	1.67e-03 225,44,44				1.00	0.04	0.96
3208	0.09	0.06	0.0	225,228,0	0.24	2.31e-03	8.05e-03225,43,230		0.38	225	0.36	0.13	0.87
	0.05	0.04	0.0	228,225,0	0.24	2.21e-03	2.21e-03225,212,212				1.00	0.04	0.96
3209	0.03	0.03	0.0	225,228,0	0.13	6.55e-03	9.20e-03225,209,209		0.28	225	0.36	0.13	0.87
	7.06e-03	1.04e-03	0.0	100,214,0	0.13	0.02	0.02225,210,210				1.00	0.04	0.96
3210	0.09	0.06	0.0	225,228,0	0.16	2.31e-03	8.05e-03225,43,230		0.31	225	0.36	0.13	0.87
	7.06e-03	3.06e-03	0.0	100,44,0	0.16	2.21e-03	2.21e-03225,212,212				1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.32	0.22	0.0	0.24	0.02	0.02	0.38

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
60	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.72	-36.6	207	0.41	-20.8	203	0.78	795.9	7.097e+05	234

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
727	0.04	0.06	0.0	222,223,0	0.15	1.86e-03	0.01235	221,219	0.30	235	0.87	0.06	0.94
	0.02	0.01	0.0	236,233,0	0.15	6.39e-04	6.39e-04	235,218,218			1.00	0.04	0.96
728	0.05	0.06	0.0	233,236,0	0.19	1.47e-03	0.01235	223,224	0.34	235	0.87	0.06	0.94
	0.10	0.07	0.0	233,236,0	0.19	9.67e-04	9.67e-04	235,219,219			1.00	0.04	0.96
731	0.05	0.06	0.0	233,236,0	0.19	5.56e-03	0.01235	217,224	0.34	235	0.87	0.06	0.94
	0.10	0.07	0.0	233,236,0	0.19	1.94e-03	1.94e-03	235,218,218			1.00	0.04	0.96
733	0.04	0.05	0.0	233,236,0	0.02	6.81e-03	0.01235	220,224	0.12	235	0.87	0.06	0.94
	0.09	0.07	0.0	233,236,0	0.02	1.94e-03	1.94e-03	235,218,218			1.00	0.04	0.96
751	0.02	0.03	0.0	221,224,0	0.02	6.81e-03	0.01235	220,220	0.11	235	0.87	0.06	0.94
	0.04	0.03	0.0	234,235,0	0.02	7.25e-04	7.25e-04	235,212,212			1.00	0.04	0.96
768	0.10	0.11	0.0	234,235,0	0.06	8.69e-03	0.02233	219,223	0.19	233	0.87	0.06	0.94
	0.01	0.01	0.0	215,214,0	0.06	4.00e-03	4.00e-03	233,219,219			1.00	0.04	0.96
770	0.10	0.11	0.0	234,235,0	0.12	8.69e-03	0.02235	219,223	0.27	235	0.87	0.06	0.94
	0.06	0.04	0.0	235,234,0	0.12	0.01	0.01235	223,223			1.00	0.04	0.96
772	0.09	0.10	0.0	221,224,0	0.12	0.01	0.03235	217,224	0.27	235	0.87	0.06	0.94
	0.09	0.06	0.0	235,234,0	0.12	0.01	0.01235	223,223			1.00	0.04	0.96
774	0.09	0.10	0.0	221,224,0	0.02	0.01	0.03235	217,224	0.11	235	0.87	0.06	0.94
	0.09	0.06	0.0	235,234,0	0.02	0.01	0.01235	223,223			1.00	0.04	0.96
2010	0.10	0.11	0.0	234,235,0	0.14	8.69e-03	0.02235	219,223	0.28	235	0.87	0.06	0.94
	0.02	0.01	0.0	235,234,0	0.14	4.00e-03	4.00e-03	235,219,219			1.00	0.04	0.96
2011	0.06	0.08	0.0	234,235,0	0.15	3.78e-03	0.01235	221,223	0.30	235	0.87	0.06	0.94
	0.02	0.01	0.0	235,234,0	0.15	2.76e-03	2.76e-03	235,223,223			1.00	0.04	0.96
2013	0.10	0.11	0.0	234,235,0	0.28	8.69e-03	0.02235	219,223	0.40	235	0.87	0.06	0.94
	0.06	0.04	0.0	235,234,0	0.28	0.01	0.01235	223,223			1.00	0.04	0.96
2014	0.06	0.08	0.0	234,235,0	0.28	3.78e-03	0.01235	221,223	0.40	235	0.87	0.06	0.94
	0.06	0.04	0.0	235,234,0	0.28	4.43e-03	4.43e-03	235,223,223			1.00	0.04	0.96
2015	0.04	0.06	0.0	222,223,0	0.27	3.56e-03	0.01235	223,219	0.40	235	0.87	0.06	0.94
	0.02	0.01	0.0	236,233,0	0.27	4.43e-03	4.43e-03	235,223,223			1.00	0.04	0.96
2016	0.09	0.10	0.0	221,224,0	0.28	0.03	0.04235	223,223	0.40	235	0.87	0.06	0.94
	0.09	0.06	0.0	235,234,0	0.28	0.01	0.01235	223,223			1.00	0.04	0.96
2017	0.05	0.07	0.0	221,224,0	0.28	0.03	0.04235	223,223	0.40	235	0.87	0.06	0.94
	0.07	0.05	0.0	235,234,0	0.28	0.01	0.01235	223,223			1.00	0.04	0.96
2018	0.03	0.05	0.0	221,240,0	0.27	3.90e-03	0.01235	223,220	0.40	235	0.87	0.06	0.94
	0.02	0.01	0.0	234,235,0	0.27	4.43e-03	4.43e-03	235,223,223			1.00	0.04	0.96
2019	0.09	0.10	0.0	221,224,0	0.16	0.03	0.04235	223,223	0.31	235	0.87	0.06	0.94
	0.09	0.06	0.0	235,234,0	0.16	0.01	0.01235	223,223			1.00	0.04	0.96
2020	0.05	0.07	0.0	221,224,0	0.16	0.03	0.04235	223,223	0.31	235	0.87	0.06	0.94
	0.07	0.05	0.0	235,234,0	0.16	0.01	0.01235	223,223			1.00	0.04	0.96
2021	0.03	0.05	0.0	237,240,0	0.15	3.90e-03	9.00e-03	235,223,224	0.30	235	0.87	0.06	0.94
	0.02	0.01	0.0	234,235,0	0.15	3.97e-03	3.97e-03	235,215,215			1.00	0.04	0.96
2028	0.05	0.06	0.0	233,236,0	0.26	1.62e-03	0.01235	223,224	0.39	235	0.87	0.06	0.94
	0.10	0.07	0.0	233,236,0	0.26	1.76e-03	1.76e-03	235,222,222			1.00	0.04	0.96
2029	0.05	0.06	0.0	233,236,0	0.22	5.56e-03	0.01235	217,224	0.36	235	0.87	0.06	0.94
	0.10	0.07	0.0	233,236,0	0.22	1.94e-03	1.94e-03	235,218,218			1.00	0.04	0.96
2030	0.03	0.05	0.0	222,223,0	0.26	1.76e-03	9.17e-03	235,209,220	0.39	235	0.87	0.06	0.94
	0.06	0.04	0.0	235,234,0	0.26	1.76e-03	1.76e-03	235,222,222			1.00	0.04	0.96
2031	0.03	0.05	0.0	222,223,0	0.22	5.14e-03	0.01235	222,223	0.36	235	0.87	0.06	0.94
	0.06	0.04	0.0	235,234,0	0.22	3.15e-03	3.15e-03	235,222,222			1.00	0.04	0.96
2032	0.01	0.04	0.0	213,216,0	0.15	1.76e-03	6.07e-03	235,209,212	0.30	235	0.87	0.06	0.94
	0.02	0.02	0.0	235,234,0	0.15	1.72e-03	1.72e-03	235,218,218			1.00	0.04	0.96
2033	6.51e-03	0.03	0.0	238,239,0	0.12	5.14e-03	0.01235	222,223	0.27	235	0.87	0.06	0.94
	0.02	0.02	0.0	235,223,0	0.12	3.15e-03	3.15e-03	235,222,222			1.00	0.04	0.96
2040	0.04	0.05	0.0	233,236,0	0.07	6.81e-03	0.01235	220,224	0.21	235	0.87	0.06	0.94
	0.09	0.07	0.0	233,236,0	0.07	1.94e-03	1.94e-03	235,218,218			1.00	0.04	0.96
2041	0.02	0.04	0.0	222,223,0	0.03	6.81e-03	0.01235	220,220	0.13	235	0.87	0.06	0.94
	0.04	0.03	0.0	234,239,0	0.03	1.72e-03	1.72e-03	235,218,218			1.00	0.04	0.96
2042	0.03	0.05	0.0	222,223,0	0.07	9.16e-03	0.01235	218,219	0.21	235	0.87	0.06	0.94
	0.05	0.04	0.0	238,239,0	0.07	4.41e-03	4.41e-03	235,222,222			1.00	0.04	0.96
2043	0.02	0.04	0.0	222,223,0	0.03	9.16e-03	0.01235	218,219	0.13	235	0.87	0.06	0.94
	0.05	0.04	0.0	238,239,0	0.03	4.41e-03	4.41e-03	235,222,222			1.00	0.04	0.96
2044	0.01	0.03	0.0	234,235,0	0.05	9.16e-03	0.01235	218,219	0.17	235	0.87	0.06	0.94
	0.05	0.04	0.0	238,239,0	0.05	4.41e-03	4.41e-03	235,222,222			1.00	0.04	0.96

2045	0.01	0.03	0.0	234,235,0	5.14e-03	9.16e-03	0.01235,218,219	0.06	235	0.87	0.06	0.94
	0.05	0.04	0.0	238,239,0	5.13e-03	4.41e-03	4.41e-03235,222,222			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.10	0.11	0.0	0.28	0.03	0.04	0.40

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
61	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2860	0.08	0.07	0.0	228,225,0	0.09	4.51e-03	0.01225,211,213		0.23	225	0.33	0.14	0.86
	0.03	0.03	0.0	228,225,0	0.09	4.94e-03	4.94e-03225,211,211				1.00	0.04	0.96
2871	0.08	0.07	0.0	228,225,0	0.09	4.51e-03	0.01225,211,213		0.23	225	0.33	0.14	0.86
	0.03	0.03	0.0	228,225,0	0.09	0.01	0.01 225,42,42				1.00	0.04	0.96
2872	0.01	0.01	0.0	210,211,0	0.09	2.41e-03	4.81e-03 225,45,44		0.24	225	0.33	0.14	0.86
	0.02	0.03	0.0	228,35,0	0.09	0.01	0.01 225,42,42				1.00	0.04	0.96
2884	0.02	2.57e-03	0.0	213,216,0	0.04	4.58e-03	4.58e-03225,209,209		0.15	225	0.33	0.14	0.86
	0.05	0.03	0.0	225,228,0	0.04	5.34e-03	5.34e-03225,209,209				1.00	0.04	0.96
2888	0.02	0.01	0.0	226,227,0	0.05	4.58e-03	4.58e-03225,209,209		0.18	225	0.33	0.14	0.86
	0.05	0.03	0.0	225,228,0	0.05	8.08e-03	8.08e-03225,211,211				1.00	0.04	0.96
2890	0.02	0.01	0.0	226,227,0	0.05	1.44e-03	2.36e-03225,212,215		0.18	225	0.33	0.14	0.86
	0.03	0.03	0.0	231,230,0	0.05	8.08e-03	8.08e-03225,211,211				1.00	0.04	0.96
3190	0.03	0.01	0.0	230,231,0	0.04	4.58e-03	9.29e-03225,209,213		0.16	225	0.33	0.14	0.86
	0.05	0.03	0.0	225,228,0	0.04	5.34e-03	5.34e-03225,209,209				1.00	0.04	0.96
3191	0.03	0.01	0.0	230,231,0	0.08	4.58e-03	9.29e-03225,209,213		0.21	225	0.33	0.14	0.86
	0.05	0.03	0.0	225,228,0	0.08	8.08e-03	8.08e-03225,211,211				1.00	0.04	0.96
3192	0.06	0.04	0.0	228,225,0	0.06	1.43e-03	0.01225,211,213		0.19	225	0.33	0.14	0.86
	0.01	0.01	0.0	228,225,0	0.06	1.22e-04	1.22e-04225,211,211				1.00	0.04	0.96
3193	0.06	0.04	0.0	228,225,0	0.09	1.46e-03	0.01225,45,213		0.23	225	0.33	0.14	0.86
	0.01	0.02	0.0	228,107,0	0.09	1.30e-03	1.30e-03225,209,209				1.00	0.04	0.96
3194	0.08	0.07	0.0	228,225,0	0.09	4.51e-03	0.01225,211,213		0.23	225	0.33	0.14	0.86
	0.03	0.03	0.0	228,225,0	0.09	4.94e-03	4.94e-03225,211,211				1.00	0.04	0.96
3195	0.08	0.07	0.0	228,225,0	0.09	4.51e-03	0.01225,211,213		0.24	225	0.33	0.14	0.86
	0.03	0.03	0.0	228,225,0	0.09	0.01	0.01 225,42,42				1.00	0.04	0.96
3196	9.06e-03	6.61e-03	0.0	210,211,0	0.08	1.41e-03	3.14e-03225,45,212		0.21	225	0.33	0.14	0.86
	0.0	0.03	0.0	0,105,0	0.08	4.74e-03	4.74e-03225,209,209				0.0	0.0	0.0
3197	9.24e-03	7.69e-03	0.0	210,211,0	0.09	1.46e-03	3.21e-03225,45,212		0.23	225	0.33	0.14	0.86
	0.0	0.02	0.0	0,107,0	0.09	1.30e-03	1.30e-03225,209,209				0.0	0.0	0.0
3198	0.01	0.01	0.0	210,211,0	0.09	1.46e-03	3.21e-03225,45,212		0.24	225	0.33	0.14	0.86
	0.0	0.03	0.0	0,107,0	0.09	2.64e-03	2.64e-03 225,43,43				0.0	0.0	0.0

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.08	0.07	0.0	0.09	0.01	0.01	0.24

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
62	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.37	-153.7	203	0.25	-104.3	203	0.74	-2673.0	1.844e+06	236

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1648	6.65e-03	9.67e-03	0.0	209,105,0	0.02	1.35e-03	2.16e-03234,232,228		0.11	234	0.87	0.06	0.94
	4.09e-03	1.84e-03	0.0	212,209,0	0.02	1.18e-03	1.18e-03234,229,229				1.00	0.04	0.96
1891	0.01	0.06	0.0	234,107,0	0.08	1.81e-03	6.49e-03235,211,239		0.21	235	0.87	0.06	0.94
	0.19	0.0	0.0	100,0,0	0.08	2.10e-03	2.10e-03235,212,212				1.00	0.04	0.96
1943	0.02	0.02	0.0	233,236,0	0.03	4.32e-03	5.38e-03235,210,210		0.14	235	0.87	0.06	0.94
	0.01	4.08e-03	0.0	212,209,0	0.03	1.18e-03	1.18e-03235,229,229				1.00	0.04	0.96

1945	0.02	0.02	0.0	233,105,0	0.05	7.26e-03	9.63e-03	235,209,212	0.17	235	0.87	0.06	0.94
	0.01	4.08e-03	0.0	215,209,0	0.05	1.35e-03	1.35e-03	235,212,212			1.00	0.04	0.96
1947	8.89e-03	0.02	0.0	233,105,0	0.06	8.46e-03	0.01	235,212,212	0.18	235	0.87	0.06	0.94
	0.01	3.65e-03	0.0	215,209,0	0.06	1.35e-03	1.35e-03	235,212,212			1.00	0.04	0.96
1949	4.46e-03	0.02	0.0	213,105,0	0.07	8.46e-03	0.01	235,212,212	0.20	235	0.87	0.06	0.94
	0.02	1.83e-03	0.0	99,210,0	0.07	2.01e-03	2.01e-03	235,210,210			1.00	0.04	0.96
1951	0.0	0.03	0.0	0,105,0	0.07	8.30e-03	0.01	235,212,212	0.20	235	0.0	0.0	0.0
	0.02	1.56e-03	0.0	100,210,0	0.07	2.01e-03	2.01e-03	235,210,210			1.00	0.04	0.96
1953	0.0	0.03	0.0	0,105,0	0.08	8.16e-03	0.01	235,209,209	0.21	235	0.0	0.0	0.0
	0.03	0.0	0.0	100,0,0	0.08	1.66e-03	1.66e-03	235,215,215			1.00	0.04	0.96
1955	0.0	0.02	0.0	0,105,0	0.08	7.33e-03	9.86e-03	235,212,210	0.22	235	0.0	0.0	0.0
	0.05	0.0	0.0	100,0,0	0.08	1.66e-03	1.66e-03	235,215,215			1.00	0.04	0.96
1957	7.64e-04	0.02	0.0	224,107,0	0.08	7.29e-03	9.74e-03	235,211,210	0.22	235	0.87	0.06	0.94
	0.07	0.0	0.0	100,0,0	0.08	5.13e-04	5.13e-04	235,225,225			1.00	0.04	0.96
1959	1.32e-03	0.03	0.0	240,107,0	0.08	5.56e-03	8.04e-03	235,211,213	0.22	235	0.87	0.06	0.94
	0.10	0.0	0.0	100,0,0	0.08	5.76e-04	5.76e-04	235,210,210			1.00	0.04	0.96
1961	1.32e-03	0.04	0.0	240,107,0	0.08	4.01e-03	6.68e-03	235,212,213	0.22	235	0.87	0.06	0.94
	0.14	0.0	0.0	100,0,0	0.08	2.08e-03	2.08e-03	235,212,212			1.00	0.04	0.96
1973	0.12	0.06	0.0	99,107,0	0.02	1.96e-03	6.49e-03	237,223,239	0.11	237	0.87	0.06	0.94
	0.19	0.0	0.0	100,0,0	0.02	2.10e-03	2.10e-03	237,212,212			1.00	0.04	0.96
1975	0.12	0.04	0.0	99,108,0	2.04e-03	1.96e-03	4.18e-03	107,223,108	0.03	107	0.87	0.06	0.94
	0.13	0.0	0.0	100,0,0	2.04e-03	4.80e-04	4.80e-04	107,217,217			1.00	0.04	0.96
2132	0.01	0.02	0.0	212,105,0	0.06	5.17e-03	0.01	235,216,213	0.19	235	0.87	0.06	0.94
	0.07	0.0	0.0	99,0,0	0.06	3.49e-04	3.49e-04	235,210,210			1.00	0.04	0.96
2133	0.01	0.02	0.0	211,214,0	0.05	2.71e-03	9.69e-03	235,209,209	0.18	235	0.87	0.06	0.94
	0.04	4.62e-03	0.0	99,60,0	0.05	3.45e-04	3.45e-04	235,217,217			1.00	0.04	0.96
2134	6.96e-03	0.02	0.0	211,107,0	0.08	7.29e-03	9.89e-03	235,211,210	0.22	235	0.87	0.06	0.94
	0.10	0.0	0.0	99,0,0	0.08	6.80e-04	6.80e-04	235,210,210			1.00	0.04	0.96
2135	0.01	0.02	0.0	211,107,0	0.06	4.71e-03	9.89e-03	235,211,210	0.19	235	0.87	0.06	0.94
	0.10	0.0	0.0	99,0,0	0.06	1.10e-03	1.10e-03	235,210,210			1.00	0.04	0.96
2136	0.01	0.02	0.0	211,210,0	0.05	2.32e-03	8.72e-03	235,212,210	0.17	235	0.87	0.06	0.94
	0.04	4.91e-03	0.0	99,60,0	0.05	1.19e-03	1.19e-03	235,210,210			1.00	0.04	0.96
2137	6.13e-03	0.03	0.0	216,107,0	0.08	5.56e-03	8.30e-03	235,211,210	0.22	235	0.87	0.06	0.94
	0.13	0.0	0.0	99,0,0	0.08	2.13e-03	2.13e-03	235,209,209			1.00	0.04	0.96
2138	9.93e-03	0.03	0.0	216,107,0	0.05	3.81e-03	8.30e-03	235,211,210	0.18	235	0.87	0.06	0.94
	0.13	0.0	0.0	99,0,0	0.05	3.19e-03	3.19e-03	235,209,209			1.00	0.04	0.96
2139	0.01	0.02	0.0	211,107,0	0.04	1.74e-03	7.32e-03	235,212,210	0.16	235	0.87	0.06	0.94
	0.04	4.95e-03	0.0	99,60,0	0.04	3.54e-03	3.54e-03	235,209,209			1.00	0.04	0.96
2140	2.25e-03	0.04	0.0	216,107,0	0.08	4.01e-03	6.68e-03	235,212,213	0.22	235	0.87	0.06	0.94
	0.17	0.0	0.0	100,0,0	0.08	4.90e-03	4.90e-03	235,212,212			1.00	0.04	0.96
2141	5.26e-03	0.04	0.0	216,107,0	0.04	2.44e-03	6.05e-03	235,211,213	0.16	235	0.87	0.06	0.94
	0.17	0.0	0.0	100,0,0	0.04	6.52e-03	6.52e-03	235,209,209			1.00	0.04	0.96
2142	6.32e-03	0.03	0.0	216,107,0	0.03	1.17e-03	5.32e-03	235,211,210	0.14	235	0.87	0.06	0.94
	0.04	8.86e-03	0.0	99,214,0	0.03	7.36e-03	7.36e-03	235,209,209			1.00	0.04	0.96
2143	0.02	0.02	0.0	209,212,0	0.03	0.02	0.02	234,212,212	0.12	234	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.03	0.01	0.01	234,212,212			1.00	0.04	0.96
2144	0.02	0.02	0.0	209,212,0	0.02	0.01	0.02	234,212,212	0.12	234	0.87	0.06	0.94
	0.01	0.01	0.0	212,220,0	0.02	7.32e-03	7.32e-03	234,212,212			1.00	0.04	0.96
2145	0.02	0.02	0.0	209,212,0	0.03	3.64e-03	9.57e-03	235,212,216	0.13	235	0.87	0.06	0.94
	0.02	0.02	0.0	212,209,0	0.03	5.77e-03	5.77e-03	235,212,212			1.00	0.04	0.96
2146	0.01	0.02	0.0	213,105,0	0.03	4.70e-03	9.57e-03	235,209,216	0.13	235	0.87	0.06	0.94
	0.01	0.01	0.0	220,220,0	0.03	5.77e-03	5.77e-03	235,212,212			1.00	0.04	0.96
2147	0.02	0.02	0.0	209,212,0	0.04	3.64e-03	0.01	235,212,210	0.15	235	0.87	0.06	0.94
	0.02	0.01	0.0	216,213,0	0.04	1.97e-03	1.97e-03	235,212,212			1.00	0.04	0.96
2148	0.01	0.02	0.0	211,105,0	0.04	5.81e-03	0.01	235,209,212	0.15	235	0.87	0.06	0.94
	9.07e-03	7.89e-03	0.0	211,210,0	0.04	3.88e-03	3.88e-03	235,212,212			1.00	0.04	0.96
2149	0.02	0.02	0.0	209,212,0	0.05	3.63e-03	0.01	235,212,212	0.17	235	0.87	0.06	0.94
	0.01	7.89e-03	0.0	211,210,0	0.05	1.01e-03	1.01e-03	235,212,212			1.00	0.04	0.96
2150	0.01	0.02	0.0	211,105,0	0.04	5.81e-03	0.01	235,209,216	0.16	235	0.87	0.06	0.94
	9.07e-03	9.59e-03	0.0	211,57,0	0.04	9.76e-04	9.76e-04	235,220,220			1.00	0.04	0.96
2151	0.02	0.02	0.0	209,212,0	0.05	3.25e-03	0.01	235,212,212	0.17	235	0.87	0.06	0.94
	0.01	9.13e-03	0.0	210,57,0	0.05	8.49e-04	8.49e-04	235,211,211			1.00	0.04	0.96
2152	0.01	0.02	0.0	209,212,0	0.05	5.57e-03	0.01	235,209,212	0.17	235	0.87	0.06	0.94
	7.45e-03	0.01	0.0	211,105,0	0.05	6.65e-04	6.65e-04	235,211,211			1.00	0.04	0.96
2153	0.02	0.02	0.0	209,212,0	0.05	3.00e-03	0.01	235,212,212	0.17	235	0.87	0.06	0.94
	0.01	0.01	0.0	211,105,0	0.05	3.61e-04	3.61e-04	235,211,211			1.00	0.04	0.96
2154	0.01	0.02	0.0	209,212,0	0.05	5.51e-03	0.01	235,210,212	0.17	235	0.87	0.06	0.94
	5.80e-03	0.02	0.0	211,105,0	0.05	3.50e-04	3.50e-04	235,212,212			1.00	0.04	0.96
2155	0.01	0.02	0.0	211,214,0	0.05	2.58e-03	9.47e-03	235,212,209	0.17	235	0.87	0.06	0.94
	0.01	0.01	0.0	211,105,0	0.05	3.45e-04	3.45e-04	235,217,217			1.00	0.04	0.96
2279	0.01	0.02	0.0	211,105,0	0.05	5.16e-03	0.01	235,212,209	0.17	235	0.87	0.06	0.94
	4.91e-03	0.02	0.0	211,107,0	0.05	2.66e-04	2.66e-04	235,221,221			1.00	0.04	0.96
2280	0.01	0.02	0.0	211,210,0	0.05	2.40e-03	8.96e-03	235,211,210	0.17	235	0.87	0.06	0.94
	0.01	0.02	0.0	211,105,0	0.05	1.19e-03	1.19e-03	235,210,210			1.00	0.04	0.96
2281	0.01	0.02	0.0	211,210,0	0.05	4.86e-03	9.50e-03	235,211,210	0.17	235	0.87	0.06	0.94

	4.48e-03	0.03	0.0	211,107,0	0.05	9.74e-04	9.74e-04	235,210,210			1.00	0.04	0.96
2282	0.01	0.02	0.0	211,213,0	0.04	1.87e-03	7.29e-03	235,211,210	0.16	235	0.87	0.06	0.94
	0.01	0.02	0.0	99,105,0	0.04	3.54e-03	3.54e-03	235,209,209			1.00	0.04	0.96
2283	0.01	0.02	0.0	211,210,0	0.04	3.88e-03	7.94e-03	235,211,210	0.16	235	0.87	0.06	0.94
	2.82e-03	0.04	0.0	211,107,0	0.04	3.15e-03	3.15e-03	235,209,209			1.00	0.04	0.96
2284	6.32e-03	0.03	0.0	216,107,0	0.03	1.18e-03	5.09e-03	235,211,210	0.14	235	0.87	0.06	0.94
	0.02	0.02	0.0	215,105,0	0.03	7.36e-03	7.36e-03	235,209,209			1.00	0.04	0.96
2285	5.88e-03	0.03	0.0	216,107,0	0.03	2.61e-03	5.49e-03	235,211,210	0.14	235	0.87	0.06	0.94
	8.69e-03	0.05	0.0	215,107,0	0.03	6.93e-03	6.93e-03	235,209,209			1.00	0.04	0.96
2286	0.02	0.03	0.0	209,105,0	0.02	0.02	0.02234	212,212	0.12	234	0.87	0.06	0.94
	0.01	0.01	0.0	212,220,0	0.02	7.32e-03	7.32e-03	234,212,212			1.00	0.04	0.96
2287	0.0	0.03	0.0	0,105,0	0.02	0.01	0.01234	212,212	0.12	234	0.0	0.0	0.0
	7.46e-03	6.24e-03	0.0	212,209,0	0.02	1.75e-03	1.75e-03	234,212,212			1.00	0.04	0.96
2292	2.42e-03	0.06	0.0	234,107,0	0.08	5.74e-04	6.86e-03	107,210,107	0.21	107	0.87	0.06	0.94
	0.02	0.02	0.0	215,105,0	0.08	7.36e-03	7.36e-03	107,209,209			1.00	0.04	0.96
2293	2.00e-03	0.06	0.0	234,107,0	0.09	1.19e-03	6.32e-03	107,211,107	0.24	107	0.87	0.06	0.94
	0.01	0.07	0.0	212,107,0	0.09	6.93e-03	6.93e-03	107,209,209			1.00	0.04	0.96
2295	8.37e-03	0.02	0.0	209,105,0	0.03	9.14e-03	0.01235	212,212	0.13	235	0.87	0.06	0.94
	0.01	0.01	0.0	220,220,0	0.03	4.95e-03	4.95e-03	235,212,212			1.00	0.04	0.96
2298	0.01	0.08	0.0	234,107,0	0.11	1.81e-03	8.24e-03	100,211,107	0.25	100	0.87	0.06	0.94
	0.21	0.0	0.0	100,0,0	0.11	4.90e-03	4.90e-03	100,212,212			1.00	0.04	0.96
2305	2.38e-03	0.08	0.0	234,107,0	0.11	1.19e-03	8.24e-03	100,211,107	0.25	100	0.87	0.06	0.94
	0.21	0.0	0.0	100,0,0	0.11	6.52e-03	6.52e-03	100,209,209			1.00	0.04	0.96
2306	2.42e-03	0.07	0.0	234,107,0	0.07	4.25e-04	7.48e-03	100,211,107	0.21	100	0.87	0.06	0.94
	0.04	9.59e-03	0.0	99,209,0	0.07	7.36e-03	7.36e-03	100,209,209			1.00	0.04	0.96
2307	1.10e-03	0.01	0.0	211,105,0	0.05	6.15e-03	8.01e-03	235,211,210	0.17	235	0.87	0.06	0.94
	0.0	0.03	0.0	0,107,0	0.05	4.63e-04	4.63e-04	235,210,210			0.0	0.0	0.0
2308	4.08e-03	0.02	0.0	216,107,0	0.04	4.45e-03	5.71e-03	235,211,211	0.15	235	0.87	0.06	0.94
	0.0	0.05	0.0	0,107,0	0.04	5.12e-03	5.12e-03	235,209,209			0.0	0.0	0.0
2309	1.82e-03	0.05	0.0	214,107,0	0.09	2.75e-03	6.34e-03	107,211,107	0.24	107	0.87	0.06	0.94
	0.0	0.07	0.0	0,107,0	0.09	5.12e-03	5.12e-03	107,209,209			0.0	0.0	0.0
2310	0.0	0.05	0.0	0,107,0	0.02	2.75e-03	6.34e-03	235,211,107	0.11	235	0.0	0.0	0.0
	0.0	0.06	0.0	0,107,0	0.02	2.68e-03	2.68e-03	235,210,210			0.0	0.0	0.0
2311	0.02	0.02	0.0	233,236,0	0.03	5.44e-03	7.46e-03	235,212,212	0.14	235	0.87	0.06	0.94
	0.03	0.01	0.0	212,209,0	0.03	7.20e-03	7.20e-03	235,212,212			1.00	0.04	0.96
2312	0.0	0.02	0.0	0,107,0	0.04	4.45e-03	5.71e-03	235,211,211	0.15	235	0.0	0.0	0.0
	0.0	0.04	0.0	0,107,0	0.04	1.81e-03	1.81e-03	235,214,214			0.0	0.0	0.0
2313	0.12	0.08	0.0	99,107,0	0.35	1.96e-03	8.24e-03	100,223,107	0.45	100	0.87	0.06	0.94
	0.21	0.0	0.0	100,0,0	0.35	4.82e-03	4.82e-03	100,209,209			1.00	0.04	0.96
2314	0.07	0.08	0.0	103,105,0	0.35	7.89e-04	8.72e-03	100,219,105	0.45	100	0.87	0.06	0.94
	0.21	0.0	0.0	100,0,0	0.35	6.33e-03	6.33e-03	100,209,209			1.00	0.04	0.96
2315	0.04	0.10	0.0	103,105,0	0.11	3.32e-04	0.01100	231,105	0.26	100	0.87	0.06	0.94
	0.04	9.59e-03	0.0	99,209,0	0.11	7.08e-03	7.08e-03	100,209,209			1.00	0.04	0.96
2316	0.12	0.06	0.0	99,105,0	0.35	1.96e-03	6.55e-03	100,223,105	0.45	100	0.87	0.06	0.94
	0.13	0.0	0.0	100,0,0	0.35	1.36e-03	1.36e-03	100,209,209			1.00	0.04	0.96
2317	0.0	0.02	0.0	0,105,0	0.03	9.14e-03	0.01235	212,212	0.12	235	0.0	0.0	0.0
	6.15e-03	6.05e-03	0.0	212,209,0	0.03	1.49e-03	1.49e-03	235,212,212			1.00	0.04	0.96
2318	6.95e-03	0.02	0.0	211,105,0	0.04	8.04e-03	0.01235	210,212	0.15	235	0.87	0.06	0.94
	3.80e-03	7.50e-03	0.0	211,57,0	0.04	3.88e-03	3.88e-03	235,212,212			1.00	0.04	0.96
2319	0.0	0.02	0.0	0,105,0	0.04	8.04e-03	0.01235	210,210	0.15	235	0.0	0.0	0.0
	1.20e-03	4.79e-03	0.0	215,59,0	0.04	1.49e-03	1.49e-03	235,212,212			1.00	0.04	0.96
2320	0.07	0.08	0.0	103,105,0	0.35	7.89e-04	8.72e-03	100,219,105	0.45	100	0.87	0.06	0.94
	0.13	0.0	0.0	100,0,0	0.35	2.13e-03	2.13e-03	100,209,209			1.00	0.04	0.96
2321	0.04	0.10	0.0	103,105,0	0.11	3.32e-04	0.01100	231,105	0.26	100	0.87	0.06	0.94
	0.02	2.62e-03	0.0	99,105,0	0.11	2.36e-03	2.36e-03	100,209,209			1.00	0.04	0.96
2322	0.02	0.11	0.0	103,105,0	0.08	2.49e-04	0.01107	210,105	0.22	107	0.87	0.06	0.94
	0.02	0.01	0.0	215,105,0	0.08	7.08e-03	7.08e-03	107,209,209			1.00	0.04	0.96
2323	0.0	0.13	0.0	0,105,0	0.17	8.20e-04	0.01107	223,105	0.31	107	0.0	0.0	0.0
	0.01	0.07	0.0	212,107,0	0.17	6.65e-03	6.65e-03	107,209,209			1.00	0.04	0.96
2324	0.01	0.02	0.0	213,105,0	0.03	5.44e-03	8.33e-03	234,212,212	0.12	234	0.87	0.06	0.94
	0.04	0.02	0.0	212,209,0	0.03	0.02	0.02234	212,212			1.00	0.04	0.96
2326	0.02	0.11	0.0	103,105,0	0.08	1.74e-04	0.01107	223,105	0.22	107	0.87	0.06	0.94
	5.43e-03	0.01	0.0	215,105,0	0.08	2.36e-03	2.36e-03	107,209,209			1.00	0.04	0.96
2327	0.0	0.13	0.0	0,105,0	0.17	8.20e-04	0.01107	223,105	0.31	107	0.0	0.0	0.0
	0.0	0.07	0.0	0,107,0	0.17	2.10e-03	2.10e-03	107,213,213			0.0	0.0	0.0
2328	7.48e-03	0.02	0.0	213,105,0	0.04	8.14e-03	0.01235	213,216	0.16	235	0.87	0.06	0.94
	3.80e-03	9.59e-03	0.0	211,57,0	0.04	9.76e-04	9.76e-04	235,220,220			1.00	0.04	0.96
2329	0.0	0.02	0.0	0,105,0	0.04	8.14e-03	0.01235	213,216	0.16	235	0.0	0.0	0.0
	1.78e-03	5.74e-03	0.0	211,107,0	0.04	3.70e-04	3.70e-04	235,227,227			1.00	0.04	0.96
2330	0.0	0.14	0.0	0,105,0	0.17	2.29e-03	0.02107	223,105	0.31	107	0.0	0.0	0.0
	0.0	0.07	0.0	0,107,0	0.17	4.84e-03	4.84e-03	107,213,213			0.0	0.0	0.0
2332	0.01	0.02	0.0	213,216,0	0.03	0.02	0.02234	212,212	0.12	234	0.87	0.06	0.94
	0.04	0.02	0.0	212,209,0	0.03	0.02	0.02234	212,212			1.00	0.04	0.96
2333	0.02	0.02	0.0	233,105,0	0.05	7.26e-03	0.01235	209,212	0.17	235	0.87	0.06	0.94
	0.03	0.01	0.0	212,209,0	0.05	2.55e-03	2.55e-03	235,212,212			1.00	0.04	0.96

2334	0.02	0.02	0.0	209,212,0	0.04	5.60e-03	0.01235,212,212	0.15	235	0.87	0.06	0.94
	0.04	0.02	0.0	212,209,0	0.04	3.57e-03	3.57e-03235,212,212			1.00	0.04	0.96
2335	0.0	0.14	0.0	0,105,0	0.02	2.29e-03	0.02100,223,105	0.11	100	0.0	0.0	0.0
	0.0	0.07	0.0	0,107,0	0.02	2.68e-03	2.68e-03100,210,210			0.0	0.0	0.0
2336	0.0	0.14	0.0	0,105,0	0.17	2.29e-03	0.02107,223,105	0.31	107	0.0	0.0	0.0
	0.0	0.07	0.0	0,107,0	0.17	1.51e-03	1.51e-03107,213,213			0.0	0.0	0.0
2337	0.0	0.14	0.0	0,105,0	0.02	2.29e-03	0.02107,223,105	0.11	107	0.0	0.0	0.0
	0.0	0.07	0.0	0,107,0	0.02	2.04e-04	2.04e-04107,240,240			0.0	0.0	0.0
2340	8.11e-03	0.02	0.0	209,105,0	0.05	8.69e-03	0.01235,209,212	0.17	235	0.87	0.06	0.94
	3.19e-03	0.01	0.0	211,105,0	0.05	3.89e-04	3.89e-04235,210,210			1.00	0.04	0.96
2341	0.0	0.02	0.0	0,105,0	0.05	8.69e-03	0.01235,209,212	0.17	235	0.0	0.0	0.0
	1.78e-03	7.26e-03	0.0	211,107,0	0.05	3.76e-04	3.76e-04235,212,212			1.00	0.04	0.96
2342	0.02	0.02	0.0	209,212,0	0.03	3.77e-03	9.78e-03235,212,212	0.14	235	0.87	0.06	0.94
	0.04	0.02	0.0	212,209,0	0.03	3.57e-03	3.57e-03235,212,212			1.00	0.04	0.96
2343	0.01	0.02	0.0	213,105,0	0.06	8.46e-03	0.01235,212,212	0.18	235	0.87	0.06	0.94
	0.02	8.40e-03	0.0	212,209,0	0.06	2.55e-03	2.55e-03235,212,212			1.00	0.04	0.96
2347	0.02	0.02	0.0	209,212,0	0.05	5.75e-03	0.01235,212,212	0.17	235	0.87	0.06	0.94
	0.03	0.01	0.0	212,209,0	0.05	3.57e-03	3.57e-03235,212,212			1.00	0.04	0.96
2444	8.27e-03	0.02	0.0	212,105,0	0.05	8.69e-03	0.01235,209,212	0.17	235	0.87	0.06	0.94
	1.03e-03	0.02	0.0	211,105,0	0.05	3.76e-04	3.76e-04235,212,212			1.00	0.04	0.96
2445	0.0	0.02	0.0	0,105,0	0.05	8.69e-03	0.01235,209,212	0.17	235	0.0	0.0	0.0
	0.0	9.56e-03	0.0	0,107,0	0.05	3.76e-04	3.76e-04235,212,212			0.0	0.0	0.0
2446	8.27e-03	0.02	0.0	212,105,0	0.05	8.28e-03	0.01235,212,209	0.17	235	0.87	0.06	0.94
	0.0	0.02	0.0	0,107,0	0.05	3.30e-04	3.30e-04235,213,213			0.0	0.0	0.0
2453	0.0	0.02	0.0	0,105,0	0.05	8.28e-03	0.01235,212,209	0.17	235	0.0	0.0	0.0
	0.0	0.01	0.0	0,107,0	0.05	3.30e-04	3.30e-04235,213,213			0.0	0.0	0.0
2454	7.64e-03	0.02	0.0	215,105,0	0.05	7.00e-03	9.50e-03235,212,210	0.17	235	0.87	0.06	0.94
	0.0	0.03	0.0	0,107,0	0.05	7.99e-04	7.99e-04235,211,211			0.0	0.0	0.0
2461	1.10e-03	0.02	0.0	211,105,0	0.05	7.00e-03	9.13e-03235,212,209	0.17	235	0.87	0.06	0.94
	0.0	0.02	0.0	0,107,0	0.05	4.63e-04	4.63e-04235,210,210			0.0	0.0	0.0
2462	7.30e-03	0.02	0.0	211,105,0	0.05	6.15e-03	8.01e-03235,211,210	0.17	235	0.87	0.06	0.94
	0.0	0.04	0.0	0,107,0	0.05	2.29e-03	2.29e-03235,209,209			0.0	0.0	0.0
2512	0.02	0.02	0.0	209,212,0	0.04	2.39e-03	0.01235,209,212	0.16	235	0.87	0.06	0.94
	0.03	0.01	0.0	212,209,0	0.04	3.57e-03	3.57e-03235,212,212			1.00	0.04	0.96
2513	0.01	0.02	0.0	209,105,0	0.07	8.46e-03	0.01235,212,212	0.20	235	0.87	0.06	0.94
	0.03	1.83e-03	0.0	99,210,0	0.07	2.01e-03	2.01e-03235,210,210			1.00	0.04	0.96
2514	0.02	0.02	0.0	209,212,0	0.06	5.86e-03	0.01235,209,212	0.19	235	0.87	0.06	0.94
	0.03	4.53e-03	0.0	99,211,0	0.06	1.92e-03	1.92e-03235,212,212			1.00	0.04	0.96
2515	0.02	0.02	0.0	209,212,0	0.05	2.71e-03	0.01235,210,212	0.17	235	0.87	0.06	0.94
	0.02	6.97e-03	0.0	99,211,0	0.05	1.92e-03	1.92e-03235,212,212			1.00	0.04	0.96
2516	0.01	0.03	0.0	209,105,0	0.07	8.30e-03	0.01235,212,212	0.20	235	0.87	0.06	0.94
	0.04	1.56e-03	0.0	99,210,0	0.07	2.01e-03	2.01e-03235,210,210			1.00	0.04	0.96
2517	0.02	0.02	0.0	209,105,0	0.06	5.86e-03	0.01235,209,212	0.19	235	0.87	0.06	0.94
	0.04	4.50e-04	0.0	99,70,0	0.06	9.80e-04	9.80e-04235,212,212			1.00	0.04	0.96
2518	0.02	0.02	0.0	209,212,0	0.05	2.74e-03	0.01235,210,209	0.18	235	0.87	0.06	0.94
	0.03	4.58e-03	0.0	99,211,0	0.05	8.49e-04	8.49e-04235,211,211			1.00	0.04	0.96
2519	6.93e-03	0.03	0.0	212,105,0	0.08	8.16e-03	0.01235,209,209	0.21	235	0.87	0.06	0.94
	0.06	0.0	0.0	99,0,0	0.08	1.66e-03	1.66e-03235,215,215			1.00	0.04	0.96
2524	0.01	0.02	0.0	212,105,0	0.06	5.86e-03	0.01235,209,209	0.19	235	0.87	0.06	0.94
	0.06	0.0	0.0	99,0,0	0.06	3.17e-04	3.17e-04235,217,217			1.00	0.04	0.96
2530	0.02	0.02	0.0	209,212,0	0.05	2.74e-03	0.01235,210,209	0.18	235	0.87	0.06	0.94
	0.03	4.25e-03	0.0	99,60,0	0.05	3.61e-04	3.61e-04235,211,211			1.00	0.04	0.96
2531	6.96e-03	0.02	0.0	211,105,0	0.08	7.33e-03	0.01235,212,213	0.22	235	0.87	0.06	0.94
	0.07	0.0	0.0	99,0,0	0.08	1.66e-03	1.66e-03235,215,215			1.00	0.04	0.96
3022	6.65e-03	0.01	0.0	209,105,0	0.02	5.44e-03	7.46e-03234,212,212	0.12	234	0.87	0.06	0.94
	0.01	6.60e-03	0.0	212,209,0	0.02	7.20e-03	7.20e-03234,212,212			1.00	0.04	0.96
3023	8.58e-03	0.01	0.0	209,212,0	0.02	5.44e-03	7.46e-03234,212,212	0.12	234	0.87	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.02	0.02	0.02234,212,212			1.00	0.04	0.96
3024	8.58e-03	0.01	0.0	209,212,0	0.02	0.02	0.02234,212,212	0.12	234	0.87	0.06	0.94
	0.02	0.01	0.0	212,209,0	0.02	0.02	0.02234,212,212			1.00	0.04	0.96
3033	0.02	0.02	0.0	209,212,0	0.02	0.02	0.02234,212,212	0.12	234	0.87	0.06	0.94
	0.02	9.84e-03	0.0	212,209,0	0.02	0.01	0.01234,212,212			1.00	0.04	0.96
3034	0.02	0.02	0.0	209,212,0	0.02	0.01	0.02234,212,212	0.12	234	0.87	0.06	0.94
	0.01	9.84e-03	0.0	212,209,0	0.02	7.32e-03	7.32e-03234,212,212			1.00	0.04	0.96
3043	0.02	0.02	0.0	209,212,0	0.02	0.02	0.02234,212,212	0.12	234	0.87	0.06	0.94
	0.01	9.84e-03	0.0	212,209,0	0.02	7.32e-03	7.32e-03234,212,212			1.00	0.04	0.96
3044	8.95e-03	0.03	0.0	212,105,0	0.02	0.02	0.02234,212,212	0.12	234	0.87	0.06	0.94
	0.01	9.54e-03	0.0	212,209,0	0.02	1.75e-03	1.75e-03234,212,212			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.21	0.14	0.0	0.35	0.02	0.02	0.45

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
63	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.33	-79.5	203	0.28	-66.6	203	0.25	-3799.8	1.394e+06	216

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1704	6.72e-03	9.55e-03	0.0	211,210,0	0.02	2.03e-03	2.49e-03	215,232,232	0.10	215	0.87	0.06	0.94
	5.42e-03	4.16e-03	0.0	212,209,0	0.02	7.94e-04	7.94e-04	215,212,212			1.00	0.04	0.96
1777	0.02	0.02	0.0	237,240,0	0.02	2.84e-03	4.50e-03	215,210,216	0.11	215	0.87	0.06	0.94
	0.01	7.10e-03	0.0	212,209,0	0.02	1.33e-03	1.33e-03	215,212,212			1.00	0.04	0.96
1779	0.02	0.02	0.0	237,240,0	0.02	7.23e-03	9.83e-03	235,209,216	0.12	235	0.87	0.06	0.94
	0.01	7.50e-03	0.0	212,209,0	0.02	1.33e-03	1.33e-03	235,212,212			1.00	0.04	0.96
1781	0.01	0.02	0.0	237,240,0	0.03	9.29e-03	0.01	235,212,212	0.13	235	0.87	0.06	0.94
	0.01	7.50e-03	0.0	212,209,0	0.03	9.92e-04	9.92e-04	235,212,212			1.00	0.04	0.96
1783	7.80e-03	0.02	0.0	213,212,0	0.03	9.29e-03	0.01	235,212,212	0.13	235	0.87	0.06	0.94
	0.01	5.68e-03	0.0	212,209,0	0.03	9.92e-04	9.92e-04	235,212,212			1.00	0.04	0.96
1785	5.79e-03	0.02	0.0	209,212,0	0.03	8.72e-03	0.01	235,212,212	0.13	235	0.87	0.06	0.94
	0.01	6.50e-03	0.0	215,214,0	0.03	2.21e-03	2.21e-03	235,214,214			1.00	0.04	0.96
1787	6.21e-03	0.02	0.0	221,212,0	0.02	7.77e-03	0.01	235,213,212	0.12	235	0.87	0.06	0.94
	0.01	6.50e-03	0.0	215,214,0	0.02	2.36e-03	2.36e-03	235,215,215			1.00	0.04	0.96
1789	8.67e-03	0.02	0.0	221,224,0	0.02	8.29e-03	0.01	233,213,216	0.12	233	0.87	0.06	0.94
	0.01	5.19e-03	0.0	216,209,0	0.02	2.36e-03	2.36e-03	233,215,215			1.00	0.04	0.96
1820	8.67e-03	0.01	0.0	221,224,0	0.03	8.29e-03	0.01	233,213,216	0.13	233	0.87	0.06	0.94
	0.02	3.71e-03	0.0	99,221,0	0.03	1.10e-03	1.10e-03	233,100,100			1.00	0.04	0.96
1822	7.08e-03	8.37e-03	0.0	213,100,0	0.03	7.76e-03	8.65e-03	233,209,212	0.14	233	0.87	0.06	0.94
	0.03	6.21e-03	0.0	99,221,0	0.03	2.95e-03	2.95e-03	233,100,100			1.00	0.04	0.96
1824	0.01	0.04	0.0	236,233,0	0.03	6.47e-03	9.38e-03	233,209,215	0.14	233	0.87	0.06	0.94
	0.05	0.01	0.0	99,237,0	0.03	4.91e-03	4.91e-03	233,235,235			1.00	0.04	0.96
1826	0.06	0.04	0.0	216,233,0	0.03	0.02	0.02	233,215,239	0.13	233	0.87	0.06	0.94
	0.05	0.02	0.0	99,237,0	0.03	0.01	0.01	233,100,100			1.00	0.04	0.96
1828	0.06	0.03	0.0	216,213,0	3.00e-03	0.02	0.02	240,215,239	0.04	240	0.87	0.06	0.94
	0.04	0.02	0.0	99,237,0	3.00e-03	0.01	0.01	240,100,100			1.00	0.04	0.96
2156	0.02	0.01	0.0	211,210,0	0.03	2.84e-03	8.40e-03	236,211,216	0.13	236	0.87	0.06	0.94
	0.02	9.63e-03	0.0	99,221,0	0.03	1.33e-03	1.33e-03	236,237,237			1.00	0.04	0.96
2157	0.01	0.04	0.0	236,233,0	0.03	6.47e-03	9.38e-03	240,209,215	0.14	240	0.87	0.06	0.94
	0.06	0.01	0.0	99,237,0	0.03	4.91e-03	4.91e-03	240,235,235			1.00	0.04	0.96
2158	0.02	0.03	0.0	211,239,0	0.03	4.73e-03	9.35e-03	240,211,215	0.14	240	0.87	0.06	0.94
	0.06	0.01	0.0	99,237,0	0.03	3.40e-03	3.40e-03	240,100,100			1.00	0.04	0.96
2159	0.02	0.02	0.0	211,235,0	0.03	2.31e-03	7.80e-03	240,100,211	0.13	240	0.87	0.06	0.94
	0.02	9.63e-03	0.0	99,221,0	0.03	2.48e-03	2.48e-03	240,237,237			1.00	0.04	0.96
2160	0.06	0.04	0.0	216,233,0	0.03	0.02	0.02	240,215,239	0.14	240	0.87	0.06	0.94
	0.06	0.02	0.0	99,237,0	0.03	0.01	0.01	240,100,100			1.00	0.04	0.96
2161	0.05	0.03	0.0	212,105,0	0.03	0.01	0.02	240,235,239	0.14	240	0.87	0.06	0.94
	0.06	0.01	0.0	99,237,0	0.03	0.01	0.01	240,100,100			1.00	0.04	0.96
2162	0.03	0.04	0.0	216,105,0	0.03	5.13e-03	8.51e-03	240,100,107	0.13	240	0.87	0.06	0.94
	0.02	9.27e-03	0.0	99,214,0	0.03	4.82e-03	4.82e-03	240,214,214			1.00	0.04	0.96
2163	0.06	0.03	0.0	216,105,0	0.02	0.02	0.02	240,215,239	0.11	240	0.87	0.06	0.94
	0.05	0.02	0.0	99,237,0	0.02	0.01	0.01	240,100,100			1.00	0.04	0.96
2164	0.05	0.03	0.0	212,105,0	0.02	0.01	0.02	240,235,239	0.11	240	0.87	0.06	0.94
	0.05	0.01	0.0	99,237,0	0.02	0.01	0.01	240,100,100			1.00	0.04	0.96
2165	0.03	0.04	0.0	216,105,0	0.01	5.13e-03	8.51e-03	240,100,107	0.08	240	0.87	0.06	0.94
	9.22e-03	4.62e-03	0.0	221,214,0	0.01	4.82e-03	4.82e-03	240,214,214			1.00	0.04	0.96
2166	0.02	0.02	0.0	213,216,0	0.03	2.87e-03	9.38e-03	236,209,212	0.12	236	0.87	0.06	0.94
	0.01	0.01	0.0	216,105,0	0.03	1.49e-03	1.49e-03	236,215,215			1.00	0.04	0.96
2167	0.02	0.02	0.0	211,216,0	0.02	5.36e-03	0.01	233,212,211	0.12	233	0.87	0.06	0.94
	9.94e-03	0.02	0.0	235,105,0	0.02	1.85e-03	1.85e-03	233,107,107			1.00	0.04	0.96
2168	0.02	0.01	0.0	211,210,0	0.03	2.63e-03	7.32e-03	236,209,210	0.12	236	0.87	0.06	0.94
	0.01	0.01	0.0	215,105,0	0.03	1.49e-03	1.49e-03	236,215,215			1.00	0.04	0.96
2169	0.02	0.01	0.0	211,211,0	0.03	5.26e-03	7.85e-03	236,211,210	0.12	236	0.87	0.06	0.94
	0.02	0.03	0.0	235,105,0	0.03	3.34e-03	3.34e-03	236,107,107			1.00	0.04	0.96
2170	0.02	0.02	0.0	211,213,0	0.03	2.96e-03	7.32e-03	236,215,210	0.12	236	0.87	0.06	0.94
	0.01	0.01	0.0	215,105,0	0.03	2.54e-03	2.54e-03	236,215,215			1.00	0.04	0.96
2171	0.02	0.02	0.0	211,213,0	0.03	4.08e-03	7.85e-03	240,210,210	0.13	240	0.87	0.06	0.94
	0.03	0.04	0.0	235,107,0	0.03	3.34e-03	3.34e-03	240,107,107			1.00	0.04	0.96
2172	0.01	0.05	0.0	216,105,0	0.03	5.42e-03	0.01	240,107,105	0.12	240	0.87	0.06	0.94
	0.01	0.01	0.0	215,105,0	0.03	4.19e-03	4.19e-03	240,216,216			1.00	0.04	0.96
2173	8.29e-03	0.07	0.0	216,105,0	0.03	0.01	0.02	240,107,107	0.13	240	0.87	0.06	0.94
	0.03	0.04	0.0	235,107,0	0.03	0.01	0.01	240,107,107			1.00	0.04	0.96
2174	0.01	0.05	0.0	216,105,0	0.01	5.42e-03	0.01	240,107,105	0.09	240	0.87	0.06	0.94

	6.76e-03	6.09e-03	0.0 215,105,0	0.01	4.19e-03	4.19e-03240,216,216			1.00	0.04	0.96
2175	1.48e-03	0.07	0.0 216,105,0	0.02	0.01	0.02234,107,107	0.11	234	0.87	0.06	0.94
	0.02	0.04	0.0 235,107,0	0.02	0.01	0.01234,107,107			1.00	0.04	0.96
2176	0.02	0.01	0.0 211,211,0	0.02	8.79e-03	0.01233,211,211	0.12	233	0.87	0.06	0.94
	9.94e-03	0.02	0.0 235,105,0	0.02	1.85e-03	1.85e-03233,107,107			1.00	0.04	0.96
2177	6.76e-03	5.44e-03	0.0 215,216,0	0.02	8.79e-03	0.01233,211,211	0.11	233	0.87	0.06	0.94
	7.94e-03	0.01	0.0 235,105,0	0.02	1.03e-03	1.03e-03233,211,211			1.00	0.04	0.96
2178	0.02	9.56e-03	0.0 211,211,0	0.02	8.32e-03	8.32e-03236,211,211	0.12	236	0.87	0.06	0.94
	0.02	0.03	0.0 235,105,0	0.02	3.34e-03	3.34e-03236,107,107			1.00	0.04	0.96
2179	7.07e-03	3.23e-03	0.0 216,214,0	0.02	8.32e-03	8.32e-03233,211,211	0.11	233	0.87	0.06	0.94
	0.01	0.02	0.0 235,105,0	0.02	3.18e-03	3.18e-03233,107,107			1.00	0.04	0.96
2218	0.03	0.03	0.0 212,209,0	0.01	0.02	0.03215,212,209	0.08	215	0.87	0.06	0.94
	0.02	0.01	0.0 212,212,0	0.01	9.46e-03	9.46e-03215,212,212			1.00	0.04	0.96
2219	0.02	0.02	0.0 212,209,0	0.01	0.02	0.03215,212,209	0.08	215	0.87	0.06	0.94
	0.01	0.01	0.0 212,209,0	0.01	2.47e-03	2.47e-03215,212,212			1.00	0.04	0.96
2225	0.02	0.02	0.0 237,240,0	0.02	7.75e-03	8.61e-03215,212,209	0.11	215	0.87	0.06	0.94
	0.03	0.02	0.0 212,209,0	0.02	7.65e-03	7.65e-03215,212,212			1.00	0.04	0.96
2226	0.01	0.02	0.0 237,240,0	0.02	7.75e-03	9.83e-03215,212,212	0.10	215	0.87	0.06	0.94
	0.04	0.03	0.0 212,209,0	0.02	0.02	0.02215,212,212			1.00	0.04	0.96
2227	0.02	0.02	0.0 213,216,0	0.02	0.02	0.02215,212,212	0.10	215	0.87	0.06	0.94
	0.04	0.03	0.0 212,209,0	0.02	0.02	0.02215,212,212			1.00	0.04	0.96
2228	0.02	0.02	0.0 237,216,0	0.02	7.23e-03	0.01235,209,212	0.12	235	0.87	0.06	0.94
	0.03	0.02	0.0 212,209,0	0.02	2.73e-03	2.73e-03235,212,212			1.00	0.04	0.96
2229	0.02	0.02	0.0 213,216,0	0.02	5.70e-03	0.01235,212,212	0.11	235	0.87	0.06	0.94
	0.04	0.03	0.0 212,209,0	0.02	4.48e-03	4.48e-03235,212,212			1.00	0.04	0.96
2230	0.02	0.02	0.0 213,216,0	0.02	3.51e-03	9.71e-03235,212,212	0.11	235	0.87	0.06	0.94
	0.04	0.03	0.0 212,209,0	0.02	4.48e-03	4.48e-03235,212,212			1.00	0.04	0.96
2231	0.02	0.02	0.0 213,212,0	0.03	9.29e-03	0.01235,212,212	0.13	235	0.87	0.06	0.94
	0.02	0.02	0.0 212,209,0	0.03	2.73e-03	2.73e-03235,212,212			1.00	0.04	0.96
2235	0.02	0.03	0.0 209,212,0	0.03	6.14e-03	0.01235,212,212	0.12	235	0.87	0.06	0.94
	0.03	0.02	0.0 212,209,0	0.03	4.48e-03	4.48e-03235,212,212			1.00	0.04	0.96
2236	0.02	0.03	0.0 209,212,0	0.02	2.72e-03	0.01235,209,212	0.12	235	0.87	0.06	0.94
	0.03	0.02	0.0 212,209,0	0.02	4.48e-03	4.48e-03235,212,212			1.00	0.04	0.96
2237	0.02	0.03	0.0 209,212,0	0.03	9.29e-03	0.01235,212,212	0.13	235	0.87	0.06	0.94
	0.02	9.60e-03	0.0 212,209,0	0.03	2.39e-03	2.39e-03235,212,212			1.00	0.04	0.96
2238	0.02	0.03	0.0 209,212,0	0.03	6.14e-03	0.01235,212,212	0.12	235	0.87	0.06	0.94
	0.02	0.01	0.0 212,209,0	0.03	2.54e-03	2.54e-03235,212,212			1.00	0.04	0.96
2239	0.02	0.03	0.0 209,212,0	0.02	2.60e-03	0.01235,213,212	0.12	235	0.87	0.06	0.94
	0.02	0.01	0.0 212,209,0	0.02	2.54e-03	2.54e-03235,212,212			1.00	0.04	0.96
2240	0.02	0.03	0.0 209,212,0	0.03	8.72e-03	0.01235,212,212	0.13	235	0.87	0.06	0.94
	0.02	6.50e-03	0.0 216,214,0	0.03	2.21e-03	2.21e-03235,214,214			1.00	0.04	0.96
2241	6.72e-03	9.55e-03	0.0 211,210,0	0.02	7.75e-03	8.61e-03215,212,209	0.10	215	0.87	0.06	0.94
	0.01	7.60e-03	0.0 212,209,0	0.02	7.65e-03	7.65e-03215,212,212			1.00	0.04	0.96
2242	0.01	0.01	0.0 212,228,0	0.02	7.75e-03	9.83e-03215,212,212	0.10	215	0.87	0.06	0.94
	0.02	0.02	0.0 212,212,0	0.02	0.02	0.02215,212,212			1.00	0.04	0.96
2243	0.02	0.03	0.0 209,212,0	0.03	5.93e-03	0.01235,209,212	0.12	235	0.87	0.06	0.94
	0.02	7.16e-03	0.0 216,210,0	0.03	1.27e-03	1.27e-03235,212,212			1.00	0.04	0.96
2244	0.02	0.03	0.0 209,212,0	0.02	2.73e-03	0.01235,211,212	0.12	235	0.87	0.06	0.94
	0.01	8.47e-03	0.0 211,210,0	0.02	1.27e-03	1.27e-03235,212,212			1.00	0.04	0.96
2245	0.01	0.02	0.0 209,212,0	0.02	7.77e-03	0.01235,213,212	0.12	235	0.87	0.06	0.94
	0.02	6.50e-03	0.0 216,214,0	0.02	2.36e-03	2.36e-03235,215,215			1.00	0.04	0.96
2246	0.02	0.03	0.0 209,212,0	0.02	5.89e-03	0.01235,209,212	0.12	235	0.87	0.06	0.94
	0.02	5.58e-03	0.0 216,213,0	0.02	5.41e-04	5.41e-04235,215,215			1.00	0.04	0.96
2247	0.02	0.03	0.0 209,212,0	0.02	2.91e-03	0.01236,215,212	0.11	236	0.87	0.06	0.94
	0.01	6.89e-03	0.0 216,210,0	0.02	7.40e-04	7.40e-04236,211,211			1.00	0.04	0.96
2248	0.02	0.02	0.0 213,212,0	0.03	8.29e-03	0.01236,213,212	0.12	236	0.87	0.06	0.94
	0.02	5.19e-03	0.0 224,209,0	0.03	2.36e-03	2.36e-03236,215,215			1.00	0.04	0.96
2249	0.01	0.01	0.0 212,228,0	0.02	0.02	0.02215,212,212	0.09	215	0.87	0.06	0.94
	0.02	0.02	0.0 212,212,0	0.02	0.02	0.02215,212,212			1.00	0.04	0.96
2251	3.20e-03	0.01	0.0 213,107,0	0.02	7.67e-03	9.66e-03235,210,211	0.10	235	0.87	0.06	0.94
	7.35e-03	5.66e-03	0.0 215,214,0	0.02	1.79e-03	1.79e-03235,212,212			1.00	0.04	0.96
2252	0.01	0.02	0.0 209,212,0	0.02	8.75e-03	0.01235,210,216	0.11	235	0.87	0.06	0.94
	8.93e-03	9.42e-03	0.0 215,214,0	0.02	1.17e-03	1.17e-03235,220,220			1.00	0.04	0.96
2253	2.56e-03	0.01	0.0 210,107,0	0.02	8.75e-03	0.01235,210,211	0.10	235	0.87	0.06	0.94
	8.43e-03	6.70e-03	0.0 215,214,0	0.02	4.92e-04	4.92e-04235,212,212			1.00	0.04	0.96
2254	0.01	0.02	0.0 209,212,0	0.02	8.75e-03	0.01235,210,212	0.11	235	0.87	0.06	0.94
	9.17e-03	9.68e-03	0.0 215,214,0	0.02	7.71e-04	7.71e-04235,214,214			1.00	0.04	0.96
2255	2.65e-03	0.01	0.0 213,107,0	0.02	8.75e-03	0.01235,210,211	0.10	235	0.87	0.06	0.94
	9.17e-03	8.09e-03	0.0 215,214,0	0.02	7.71e-04	7.71e-04235,214,214			1.00	0.04	0.96
2256	0.01	0.02	0.0 209,212,0	0.02	8.59e-03	0.01235,213,212	0.11	235	0.87	0.06	0.94
	9.17e-03	0.01	0.0 215,105,0	0.02	1.13e-03	1.13e-03235,215,215			1.00	0.04	0.96
2257	3.58e-03	9.87e-03	0.0 213,107,0	0.02	8.59e-03	0.01235,213,216	0.10	235	0.87	0.06	0.94
	9.17e-03	8.09e-03	0.0 215,214,0	0.02	1.13e-03	1.13e-03235,215,215			1.00	0.04	0.96
2258	0.01	0.01	0.0 211,107,0	0.03	7.34e-03	7.85e-03240,211,210	0.13	240	0.87	0.06	0.94
	0.03	0.04	0.0 235,107,0	0.03	5.03e-03	5.03e-03240,107,107			1.00	0.04	0.96

2259	7.07e-03	6.89e-03	0.0 216,214,0	0.02	7.34e-03	7.50e-03233,211,213	0.10	233	0.87	0.06	0.94
	0.03	0.03	0.0 235,107,0	0.02	5.03e-03	5.03e-03233,107,107			1.00	0.04	0.96
2260	6.25e-03	0.14	0.0 216,105,0	0.03	0.03	0.05240,107,107	0.13	240	0.87	0.06	0.94
	0.05	0.06	0.0 235,107,0	0.03	0.01	0.01240,107,107			1.00	0.04	0.96
2261	6.14e-03	0.03	0.0 235,105,0	0.01	0.01	0.02237,107,107	0.08	237	0.87	0.06	0.94
	0.03	0.03	0.0 235,107,0	0.01	5.03e-03	5.03e-03237,107,107			1.00	0.04	0.96
2262	0.0	0.14	0.0 0,105,0	0.02	0.03	0.05234,107,107	0.11	234	0.0	0.0	0.0
	0.05	0.06	0.0 235,107,0	0.02	0.01	0.01234,107,107			1.00	0.04	0.96
2263	6.14e-03	0.14	0.0 235,105,0	7.96e-03	0.03	0.05105,107,107	0.07	105	0.87	0.06	0.94
	0.05	0.06	0.0 235,107,0	7.76e-03	0.01	0.01105,107,107			1.00	0.04	0.96
2377	0.02	0.02	0.0 209,212,0	0.03	5.74e-03	0.01236,209,212	0.12	236	0.87	0.06	0.94
	0.02	6.59e-03	0.0 224,213,0	0.03	8.77e-04	8.77e-04236,221,221			1.00	0.04	0.96
2380	0.02	0.02	0.0 209,212,0	0.03	2.91e-03	0.01236,215,212	0.12	236	0.87	0.06	0.94
	0.01	7.26e-03	0.0 216,209,0	0.03	8.77e-04	8.77e-04236,221,221			1.00	0.04	0.96
2381	0.02	0.02	0.0 212,209,0	0.02	0.02	0.03215,212,209	0.10	215	0.87	0.06	0.94
	0.03	0.02	0.0 212,209,0	0.02	0.01	0.01215,212,212			1.00	0.04	0.96
2382	0.03	0.03	0.0 212,209,0	0.01	0.02	0.03215,212,209	0.09	215	0.87	0.06	0.94
	0.02	0.01	0.0 212,209,0	0.01	9.46e-03	9.46e-03215,212,212			1.00	0.04	0.96
2383	0.02	0.02	0.0 213,216,0	0.02	3.63e-03	9.37e-03235,212,216	0.11	235	0.87	0.06	0.94
	0.03	0.02	0.0 212,209,0	0.02	6.02e-03	6.02e-03235,212,212			1.00	0.04	0.96
2384	0.02	0.02	0.0 213,216,0	0.02	4.67e-03	9.37e-03235,210,216	0.10	235	0.87	0.06	0.94
	0.02	0.01	0.0 212,209,0	0.02	6.02e-03	6.02e-03235,212,212			1.00	0.04	0.96
2385	0.02	0.03	0.0 213,216,0	0.02	3.71e-03	0.01235,212,216	0.11	235	0.87	0.06	0.94
	0.02	0.01	0.0 212,209,0	0.02	2.39e-03	2.39e-03235,212,212			1.00	0.04	0.96
2386	0.02	0.02	0.0 213,216,0	0.02	5.70e-03	0.01235,210,211	0.11	235	0.87	0.06	0.94
	0.01	0.01	0.0 211,210,0	0.02	4.83e-03	4.83e-03235,212,212			1.00	0.04	0.96
2387	0.02	0.03	0.0 209,212,0	0.02	3.71e-03	0.01235,212,216	0.12	235	0.87	0.06	0.94
	0.02	0.01	0.0 215,214,0	0.02	1.44e-03	1.44e-03235,216,216			1.00	0.04	0.96
2388	0.02	0.02	0.0 213,216,0	0.02	5.78e-03	0.01235,213,216	0.11	235	0.87	0.06	0.94
	0.01	0.01	0.0 211,210,0	0.02	1.17e-03	1.17e-03235,220,220			1.00	0.04	0.96
2389	0.02	0.03	0.0 209,212,0	0.02	3.30e-03	0.01235,212,212	0.12	235	0.87	0.06	0.94
	0.01	9.52e-03	0.0 211,210,0	0.02	1.08e-03	1.08e-03235,212,212			1.00	0.04	0.96
2391	0.02	0.02	0.0 212,209,0	0.01	0.02	0.03215,212,209	0.09	215	0.87	0.06	0.94
	0.02	0.01	0.0 212,212,0	0.01	0.01	0.01215,212,212			1.00	0.04	0.96
2392	0.01	0.01	0.0 210,216,0	0.02	8.79e-03	0.01233,211,212	0.11	233	0.87	0.06	0.94
	6.91e-03	0.02	0.0 215,105,0	0.02	1.13e-03	1.13e-03233,215,215			1.00	0.04	0.96
2393	0.02	0.02	0.0 209,212,0	0.02	6.09e-03	0.01235,209,212	0.11	235	0.87	0.06	0.94
	0.01	9.68e-03	0.0 211,214,0	0.02	9.15e-04	9.15e-04235,211,211			1.00	0.04	0.96
2394	0.02	0.03	0.0 209,212,0	0.02	3.15e-03	0.01236,209,212	0.11	236	0.87	0.06	0.94
	9.82e-03	8.56e-03	0.0 211,214,0	0.02	8.14e-04	8.14e-04236,211,211			1.00	0.04	0.96
2395	0.02	0.02	0.0 209,212,0	0.02	6.09e-03	0.01235,209,212	0.11	235	0.87	0.06	0.94
	8.51e-03	0.01	0.0 215,105,0	0.02	8.14e-04	8.14e-04235,211,211			1.00	0.04	0.96
2396	0.02	0.02	0.0 209,212,0	0.02	3.05e-03	0.01236,209,212	0.12	236	0.87	0.06	0.94
	8.98e-03	8.92e-03	0.0 212,105,0	0.02	8.42e-04	8.42e-04236,219,219			1.00	0.04	0.96
2397	5.28e-03	7.09e-03	0.0 213,216,0	0.02	8.79e-03	0.01233,211,211	0.11	233	0.87	0.06	0.94
	6.91e-03	8.75e-03	0.0 215,105,0	0.02	1.13e-03	1.13e-03233,215,215			1.00	0.04	0.96
2398	0.02	0.02	0.0 213,216,0	0.03	8.29e-03	0.01233,213,212	0.13	233	0.87	0.06	0.94
	0.03	6.90e-03	0.0 99,221,0	0.03	1.95e-03	1.95e-03233,100,100			1.00	0.04	0.96
2399	0.02	0.02	0.0 209,216,0	0.03	5.39e-03	0.01233,209,212	0.13	233	0.87	0.06	0.94
	0.03	8.09e-03	0.0 99,221,0	0.03	1.95e-03	1.95e-03233,100,100			1.00	0.04	0.96
2400	0.02	0.02	0.0 213,216,0	0.03	2.84e-03	9.80e-03236,211,212	0.13	236	0.87	0.06	0.94
	0.01	8.46e-03	0.0 216,213,0	0.03	1.33e-03	1.33e-03236,237,237			1.00	0.04	0.96
2463	0.02	0.01	0.0 213,213,0	0.03	7.76e-03	9.23e-03233,209,212	0.14	233	0.87	0.06	0.94
	0.04	9.96e-03	0.0 99,221,0	0.03	3.40e-03	3.40e-03233,100,100			1.00	0.04	0.96
2464	0.02	0.01	0.0 213,210,0	0.03	4.78e-03	9.23e-03233,212,212	0.13	233	0.87	0.06	0.94
	0.04	9.96e-03	0.0 99,221,0	0.03	3.40e-03	3.40e-03233,100,100			1.00	0.04	0.96
2467	0.03	0.03	0.0 212,209,0	0.01	0.02	0.03215,212,209	0.09	215	0.87	0.06	0.94
	0.02	0.01	0.0 212,212,0	0.01	9.46e-03	9.46e-03215,212,212			1.00	0.04	0.96
2470	0.02	0.02	0.0 209,212,0	0.02	5.98e-03	0.01236,212,212	0.12	236	0.87	0.06	0.94
	7.10e-03	0.02	0.0 215,105,0	0.02	8.42e-04	8.42e-04236,219,219			1.00	0.04	0.96
2478	0.03	0.03	0.0 212,209,0	0.01	0.02	0.03215,212,209	0.09	215	0.87	0.06	0.94
	0.02	0.01	0.0 212,209,0	0.01	9.46e-03	9.46e-03215,212,212			1.00	0.04	0.96
2481	4.91e-03	0.01	0.0 212,105,0	0.01	0.01	0.02215,212,212	0.09	215	0.87	0.06	0.94
	0.01	7.51e-03	0.0 212,209,0	0.01	2.47e-03	2.47e-03215,212,212			1.00	0.04	0.96
2482	0.01	0.02	0.0 213,216,0	0.02	9.12e-03	0.01235,212,212	0.10	235	0.87	0.06	0.94
	0.02	0.01	0.0 212,209,0	0.02	6.01e-03	6.01e-03235,212,212			1.00	0.04	0.96
2486	3.69e-03	0.01	0.0 213,105,0	0.01	9.12e-03	0.01235,212,212	0.09	235	0.87	0.06	0.94
	0.01	7.51e-03	0.0 212,209,0	0.01	1.79e-03	1.79e-03235,212,212			1.00	0.04	0.96
2492	0.01	0.02	0.0 210,216,0	0.02	7.67e-03	0.01235,210,211	0.11	235	0.87	0.06	0.94
	8.49e-03	8.24e-03	0.0 215,214,0	0.02	4.83e-03	4.83e-03235,212,212			1.00	0.04	0.96

Nodo	**V. 127**	**V. 128**	**V. 545**	**V. 129**	**V. 130**	**V. 131**	**V. D.26**
	0.06	0.14	0.0	0.03	0.03	0.05	0.14

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
64	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.47	-5.4	180	0.13	-1.5	180	0.17	-6.2	2.996e+04	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1680	0.02	0.03	0.0	233,236,0	0.01	0.03	0.03	212,67,68	0.08	212	0.87	0.06	0.94
	0.01	0.01	0.0	214,215,0	0.01	5.78e-04	5.78e-04	212,70,70			1.00	0.04	0.96
1681	0.02	0.03	0.0	233,236,0	0.01	0.03	0.03	212,69,68	0.08	212	0.87	0.06	0.94
	0.02	0.01	0.0	214,215,0	0.01	8.98e-04	8.98e-04	212,234,234			1.00	0.04	0.96
1683	0.02	0.03	0.0	215,214,0	7.57e-03	0.03	0.03	212,69,68	0.07	212	0.87	0.06	0.94
	0.02	0.01	0.0	214,215,0	7.57e-03	8.98e-04	8.98e-04	212,234,234			1.00	0.04	0.96
2204	0.05	0.05	0.0	69,68,0	7.57e-03	0.03	0.04	212,69,68	0.07	212	0.87	0.06	0.94
	0.02	0.01	0.0	210,215,0	7.57e-03	2.25e-03	2.25e-03	212,235,235			1.00	0.04	0.96
2205	0.08	0.07	0.0	69,68,0	6.66e-03	0.02	0.05	212,69,68	0.06	212	0.87	0.06	0.94
	0.04	0.03	0.0	210,211,0	6.66e-03	5.83e-03	5.83e-03	212,67,67			1.00	0.04	0.96
2206	0.09	0.08	0.0	69,68,0	0.09	0.02	0.05	212,69,68	0.23	212	0.87	0.06	0.94
	0.04	0.03	0.0	210,211,0	0.09	6.63e-03	6.63e-03	212,67,67			1.00	0.04	0.96
2207	0.09	0.07	0.0	72,65,0	0.09	0.01	0.04	212,68,68	0.23	212	0.87	0.06	0.94
	0.02	0.02	0.0	213,216,0	0.09	5.79e-03	5.79e-03	212,67,67			1.00	0.04	0.96
2208	0.09	0.08	0.0	69,68,0	0.09	0.01	0.04	212,68,68	0.23	212	0.87	0.06	0.94
	0.03	0.02	0.0	210,211,0	0.09	6.63e-03	6.63e-03	212,67,67			1.00	0.04	0.96
2209	0.07	0.06	0.0	69,68,0	0.09	0.02	0.04	212,67,67	0.23	212	0.87	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.09	3.30e-03	3.30e-03	212,67,67			1.00	0.04	0.96
2210	0.08	0.06	0.0	72,68,0	0.09	0.03	0.05	212,68,65	0.23	212	0.87	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.09	4.16e-03	4.16e-03	212,67,67			1.00	0.04	0.96
2211	0.09	0.08	0.0	69,68,0	0.09	0.01	0.04	212,71,68	0.23	212	0.87	0.06	0.94
	0.03	0.02	0.0	210,211,0	0.09	6.63e-03	6.63e-03	212,67,67			1.00	0.04	0.96
2212	0.08	0.06	0.0	72,67,0	0.08	0.03	0.05	212,68,65	0.22	212	0.87	0.06	0.94
	0.02	0.01	0.0	215,214,0	0.08	4.16e-03	4.16e-03	212,67,67			1.00	0.04	0.96
2213	0.05	0.05	0.0	69,68,0	1.11e-03	0.03	0.04	232,67,67	0.03	228	0.87	0.06	0.94
	0.03	0.02	0.0	209,212,0	1.10e-03	2.93e-03	2.93e-03	228,67,67			1.00	0.04	0.96
2214	0.06	0.05	0.0	72,68,0	1.11e-03	0.03	0.05	232,68,65	0.03	228	0.87	0.06	0.94
	0.03	0.02	0.0	209,212,0	1.10e-03	3.44e-03	3.44e-03	228,67,67			1.00	0.04	0.96
2215	0.02	0.02	0.0	69,68,0	1.11e-03	0.03	0.03	232,67,67	0.03	228	0.87	0.06	0.94
	0.02	0.01	0.0	214,215,0	1.10e-03	1.47e-03	1.47e-03	228,216,216			1.00	0.04	0.96
2353	0.02	0.02	0.0	72,68,0	1.11e-03	0.03	0.04	232,68,67	0.03	228	0.87	0.06	0.94
	0.02	0.02	0.0	210,215,0	1.10e-03	2.27e-03	2.27e-03	228,240,240			1.00	0.04	0.96
2354	0.06	0.04	0.0	72,65,0	4.73e-04	0.03	0.05	209,68,65	0.02	209	0.87	0.06	0.94
	0.02	0.02	0.0	210,215,0	4.71e-04	3.44e-03	3.44e-03	209,67,67			1.00	0.04	0.96
2355	0.02	0.01	0.0	72,65,0	4.73e-04	0.03	0.04	209,68,67	0.02	209	0.87	0.06	0.94
	0.02	0.02	0.0	210,215,0	4.71e-04	2.27e-03	2.27e-03	209,240,240			1.00	0.04	0.96
3059	0.05	0.04	0.0	70,67,0	0.01	0.03	0.04	212,67,67	0.08	212	0.87	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.01	2.44e-03	2.44e-03	212,235,235			1.00	0.04	0.96
3060	0.05	0.05	0.0	70,68,0	0.01	0.03	0.04	212,69,68	0.08	212	0.87	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.01	2.44e-03	2.44e-03	212,235,235			1.00	0.04	0.96
3061	0.08	0.06	0.0	72,65,0	8.95e-03	0.02	0.04	212,67,67	0.07	212	0.87	0.06	0.94
	0.03	0.02	0.0	209,212,0	8.94e-03	5.24e-03	5.24e-03	212,67,67			1.00	0.04	0.96
3062	0.08	0.07	0.0	72,68,0	8.95e-03	0.02	0.05	212,69,68	0.07	212	0.87	0.06	0.94
	0.04	0.03	0.0	210,211,0	8.94e-03	5.83e-03	5.83e-03	212,67,67			1.00	0.04	0.96
3063	0.09	0.07	0.0	72,65,0	0.09	0.02	0.04	212,67,67	0.23	212	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	0.09	5.79e-03	5.79e-03	212,67,67			1.00	0.04	0.96
3064	0.09	0.08	0.0	69,68,0	0.09	0.02	0.05	212,69,68	0.23	212	0.87	0.06	0.94
	0.04	0.03	0.0	210,211,0	0.09	6.63e-03	6.63e-03	212,67,67			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.09	0.08	0.0	0.09	0.03	0.05	0.23

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
65	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	

ok	0.35	7.5	202	0.23	4.9	208	0.14	1230.2	8.885e+04	221

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1701	0.04	0.04	0.0	237,240,0	5.09e-03	0.02	0.02	215,67,68	0.05	215	0.87	0.06	0.94
	8.32e-03	6.81e-03	0.0	71,66,0	5.08e-03	4.53e-03	4.53e-03	215,236,236			1.00	0.04	0.96
1702	0.04	0.04	0.0	237,240,0	0.01	0.02	0.02	234,67,68	0.08	234	0.87	0.06	0.94
	8.32e-03	6.81e-03	0.0	71,66,0	0.01	4.53e-03	4.53e-03	234,236,236			1.00	0.04	0.96
1704	0.02	0.02	0.0	215,214,0	0.01	0.02	0.02	234,215,214	0.08	234	0.87	0.06	0.94
	5.48e-03	4.43e-03	0.0	240,237,0	0.01	2.40e-03	2.40e-03	234,229,229			1.00	0.04	0.96
2216	0.01	0.01	0.0	69,68,0	1.07e-03	0.02	0.03	237,71,67	0.02	237	0.87	0.06	0.94
	9.46e-03	8.21e-03	0.0	69,68,0	1.05e-03	4.30e-03	4.30e-03	237,235,235			1.00	0.04	0.96
2217	0.01	0.01	0.0	69,68,0	4.34e-03	0.02	0.03	240,71,67	0.05	240	0.87	0.06	0.94
	9.46e-03	8.21e-03	0.0	69,68,0	4.34e-03	5.53e-03	5.53e-03	240,69,69			1.00	0.04	0.96
2218	0.02	0.02	0.0	215,214,0	4.34e-03	6.15e-03	8.63e-03	240,71,71	0.05	240	0.87	0.06	0.94
	0.03	0.02	0.0	209,212,0	4.34e-03	5.53e-03	5.53e-03	240,69,69			1.00	0.04	0.96
2219	5.33e-03	6.00e-03	0.0	240,237,0	4.34e-03	6.15e-03	8.03e-03	240,71,71	0.05	240	0.87	0.06	0.94
	2.19e-03	1.92e-03	0.0	234,235,0	4.34e-03	5.53e-03	5.53e-03	240,69,69			1.00	0.04	0.96
2232	0.05	0.04	0.0	69,67,0	6.11e-03	0.02	0.03	240,71,67	0.06	240	0.87	0.06	0.94
	0.06	0.04	0.0	212,209,0	6.10e-03	3.76e-03	3.76e-03	240,68,68			1.00	0.04	0.96
2233	0.06	0.05	0.0	69,67,0	0.06	0.01	0.03	212,66,67	0.19	212	0.87	0.06	0.94
	0.07	0.04	0.0	212,209,0	0.06	4.48e-03	4.48e-03	212,71,71			1.00	0.04	0.96
2234	0.06	0.05	0.0	69,67,0	0.06	0.01	0.03	212,66,67	0.19	212	0.87	0.06	0.94
	0.07	0.04	0.0	212,209,0	0.06	4.48e-03	4.48e-03	212,71,71			1.00	0.04	0.96
2241	0.02	0.02	0.0	215,214,0	0.01	0.02	0.02	234,215,214	0.08	234	0.87	0.06	0.94
	5.48e-03	4.43e-03	0.0	240,237,0	0.01	3.09e-03	3.09e-03	234,70,70			1.00	0.04	0.96
2242	0.02	0.02	0.0	71,68,0	6.11e-03	5.38e-03	9.33e-03	240,235,67	0.06	240	0.87	0.06	0.94
	0.03	0.02	0.0	212,209,0	6.10e-03	3.09e-03	3.09e-03	240,70,70			1.00	0.04	0.96
2249	0.02	0.02	0.0	71,68,0	0.05	2.01e-03	8.98e-03	211,71,67	0.16	211	0.87	0.06	0.94
	0.03	0.02	0.0	212,209,0	0.05	8.29e-04	8.29e-04	211,70,70			1.00	0.04	0.96
2250	0.06	0.05	0.0	69,67,0	0.06	7.65e-03	0.03	212,69,67	0.19	212	0.87	0.06	0.94
	0.07	0.05	0.0	212,212,0	0.06	4.48e-03	4.48e-03	212,71,71			1.00	0.04	0.96
2359	0.06	0.05	0.0	69,67,0	0.06	7.65e-03	0.03	212,69,67	0.19	212	0.87	0.06	0.94
	0.07	0.05	0.0	212,212,0	0.06	4.48e-03	4.48e-03	212,71,71			1.00	0.04	0.96
2360	0.05	0.04	0.0	69,68,0	0.06	0.02	0.03	212,67,68	0.19	212	0.87	0.06	0.94
	0.07	0.05	0.0	209,212,0	0.06	3.07e-03	3.07e-03	212,69,69			1.00	0.04	0.96
2367	0.04	0.04	0.0	237,240,0	5.09e-03	0.02	0.03	215,67,67	0.05	215	0.87	0.06	0.94
	8.61e-03	6.81e-03	0.0	214,66,0	5.08e-03	4.53e-03	4.53e-03	215,236,236			1.00	0.04	0.96
2368	0.04	0.04	0.0	237,240,0	0.01	0.02	0.03	234,67,67	0.08	234	0.87	0.06	0.94
	8.61e-03	6.81e-03	0.0	214,66,0	0.01	4.53e-03	4.53e-03	234,236,236			1.00	0.04	0.96
2369	0.05	0.04	0.0	69,67,0	3.34e-03	0.02	0.03	215,71,67	0.04	215	0.87	0.06	0.94
	0.06	0.04	0.0	212,209,0	3.33e-03	3.76e-03	3.76e-03	215,68,68			1.00	0.04	0.96
2390	0.05	0.04	0.0	69,68,0	0.06	0.02	0.03	212,67,68	0.19	212	0.87	0.06	0.94
	0.07	0.05	0.0	209,212,0	0.06	3.07e-03	3.07e-03	212,69,69			1.00	0.04	0.96
2391	0.02	0.02	0.0	71,68,0	0.05	2.30e-03	9.09e-03	211,67,67	0.16	211	0.87	0.06	0.94
	0.03	0.02	0.0	212,212,0	0.05	1.39e-03	1.39e-03	211,66,66			1.00	0.04	0.96
2467	0.02	0.02	0.0	71,214,0	0.04	3.86e-03	9.09e-03	211,71,67	0.16	211	0.87	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.04	1.39e-03	1.39e-03	211,66,66			1.00	0.04	0.96
2468	0.04	0.03	0.0	69,68,0	1.12e-03	0.02	0.03	235,71,68	0.03	235	0.87	0.06	0.94
	0.07	0.05	0.0	209,212,0	1.11e-03	4.30e-03	4.30e-03	235,235,235			1.00	0.04	0.96
2469	0.04	0.03	0.0	69,68,0	4.34e-03	0.02	0.03	240,71,68	0.05	240	0.87	0.06	0.94
	0.07	0.05	0.0	209,212,0	4.34e-03	5.53e-03	5.53e-03	240,69,69			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.07	0.05	0.0	0.06	0.02	0.03	0.19

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
66	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.22	25.3	177	0.03	3.3	184	0.03	-2469.8	1.511e+05	228

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1641	0.01	0.02	0.0	237,240,0	6.04e-04	0.02	0.02	209,69,67	0.02	209	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	6.04e-04	9.26e-04	9.26e-04	209,236,236			1.00	0.04	0.96
1642	0.04	0.04	0.0	215,214,0	0.01	0.02	0.02	209,69,67	0.08	209	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	0.01	1.08e-03	1.08e-03	209,70,70			1.00	0.04	0.96

1644	0.04	0.04	0.0	215,214,0	0.02	0.01	0.01	214,67,67	0.11	214	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	0.02	1.08e-03	1.08e-03	214,70,70			1.00	0.04	0.96
1646	0.02	0.02	0.0	235,234,0	0.03	7.75e-03	0.01	214,67,67	0.13	214	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	0.03	4.90e-03	4.90e-03	214,70,70			1.00	0.04	0.96
1648	4.06e-03	0.01	0.0	209,212,0	0.03	3.82e-03	5.54e-03	214,67,67	0.13	214	0.87	0.06	0.94
	0.02	0.02	0.0	209,212,0	0.03	6.94e-03	6.94e-03	214,70,70			1.00	0.04	0.96
1660	0.02	0.03	0.0	235,234,0	0.02	7.26e-03	9.70e-03	228,67,67	0.10	228	0.87	0.06	0.94
	0.02	0.01	0.0	213,216,0	0.02	6.94e-03	6.94e-03	228,70,70			1.00	0.04	0.96
1662	0.02	0.03	0.0	235,234,0	0.01	7.26e-03	9.70e-03	212,67,67	0.08	212	0.87	0.06	0.94
	0.01	0.01	0.0	210,211,0	0.01	3.34e-03	3.34e-03	212,70,70			1.00	0.04	0.96
3010	0.03	0.02	0.0	70,67,0	1.82e-03	0.02	0.02	209,69,67	0.03	209	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	1.82e-03	9.26e-04	9.26e-04	209,236,236			1.00	0.04	0.96
3011	0.04	0.04	0.0	215,214,0	0.01	0.02	0.02	209,69,67	0.08	209	0.87	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.01	2.12e-03	2.12e-03	209,68,68			1.00	0.04	0.96
3012	0.04	0.03	0.0	70,67,0	1.86e-03	0.01	0.02	212,70,67	0.03	212	0.87	0.06	0.94
	0.02	0.02	0.0	209,212,0	1.86e-03	5.55e-04	5.55e-04	212,233,233			1.00	0.04	0.96
3013	0.04	0.03	0.0	70,214,0	0.01	0.01	0.02	209,70,67	0.09	209	0.87	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.01	3.37e-03	3.37e-03	209,66,66			1.00	0.04	0.96
3014	0.04	0.03	0.0	70,67,0	0.01	4.87e-03	0.02	212,68,67	0.09	212	0.87	0.06	0.94
	0.01	8.18e-03	0.0	209,212,0	0.01	1.16e-03	1.16e-03	212,233,233			1.00	0.04	0.96
3015	0.04	0.03	0.0	70,67,0	0.03	4.87e-03	0.02	212,68,67	0.14	212	0.87	0.06	0.94
	0.03	0.02	0.0	209,212,0	0.03	3.63e-03	3.63e-03	212,70,70			1.00	0.04	0.96
3016	0.04	0.04	0.0	215,214,0	0.02	0.01	0.01	214,67,67	0.11	214	0.87	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.02	7.13e-03	7.13e-03	214,70,70			1.00	0.04	0.96
3017	0.03	0.03	0.0	215,214,0	0.03	6.79e-03	0.01	210,67,67	0.12	210	0.87	0.06	0.94
	0.06	0.04	0.0	209,212,0	0.03	0.01	0.01	210,70,70			1.00	0.04	0.96
3018	0.03	0.03	0.0	215,214,0	0.05	2.92e-03	0.01	209,71,67	0.18	209	0.87	0.06	0.94
	0.06	0.04	0.0	209,212,0	0.05	0.01	0.01	209,70,70			1.00	0.04	0.96
3019	0.02	0.02	0.0	235,234,0	0.03	7.75e-03	0.01	214,67,67	0.13	214	0.87	0.06	0.94
	0.05	0.04	0.0	209,212,0	0.03	0.01	0.01	214,70,70			1.00	0.04	0.96
3020	0.02	0.02	0.0	235,234,0	0.03	3.70e-03	8.78e-03	214,67,67	0.14	214	0.87	0.06	0.94
	0.09	0.06	0.0	213,216,0	0.03	0.02	0.02	214,70,70			1.00	0.04	0.96
3021	0.02	0.02	0.0	235,234,0	0.06	1.50e-03	7.20e-03	214,100,67	0.19	214	0.87	0.06	0.94
	0.09	0.06	0.0	213,216,0	0.06	0.02	0.02	214,70,70			1.00	0.04	0.96
3022	4.06e-03	0.01	0.0	209,212,0	0.03	3.82e-03	5.54e-03	214,67,67	0.13	214	0.87	0.06	0.94
	0.05	0.04	0.0	209,216,0	0.03	0.02	0.02	214,70,70			1.00	0.04	0.96
3023	3.72e-03	0.01	0.0	71,68,0	0.03	1.23e-03	4.47e-03	214,51,68	0.14	214	0.87	0.06	0.94
	0.12	0.09	0.0	209,212,0	0.03	0.02	0.02	214,70,70			1.00	0.04	0.96
3024	3.72e-03	0.01	0.0	71,68,0	0.08	1.60e-03	4.47e-03	212,100,68	0.22	212	0.87	0.06	0.94
	0.12	0.09	0.0	209,212,0	0.08	0.03	0.03	212,70,70			1.00	0.04	0.96
3025	0.04	0.04	0.0	237,240,0	0.05	5.35e-03	0.02	212,69,67	0.16	212	0.87	0.06	0.94
	0.10	0.07	0.0	209,212,0	0.05	3.66e-03	3.66e-03	212,234,234			1.00	0.04	0.96
3026	0.04	0.04	0.0	237,240,0	0.05	5.35e-03	0.02	212,69,67	0.16	212	0.87	0.06	0.94
	0.10	0.07	0.0	209,212,0	0.05	3.66e-03	3.66e-03	212,234,234			1.00	0.04	0.96
3027	0.04	0.04	0.0	237,240,0	0.05	0.01	0.02	212,68,68	0.16	212	0.87	0.06	0.94
	0.14	0.10	0.0	209,212,0	0.05	4.49e-03	4.49e-03	212,234,234			1.00	0.04	0.96
3028	0.04	0.04	0.0	237,240,0	0.05	0.01	0.02	212,68,68	0.16	212	0.87	0.06	0.94
	0.14	0.10	0.0	209,212,0	0.05	4.49e-03	4.49e-03	212,234,234			1.00	0.04	0.96
3029	0.03	0.02	0.0	71,214,0	0.05	3.66e-03	0.01	209,67,67	0.18	209	0.87	0.06	0.94
	0.07	0.05	0.0	209,212,0	0.05	0.01	0.01	209,70,70			1.00	0.04	0.96
3030	0.03	0.02	0.0	215,214,0	0.05	7.07e-03	0.01	209,67,67	0.17	209	0.87	0.06	0.94
	0.09	0.06	0.0	209,212,0	0.05	0.01	0.01	209,66,66			1.00	0.04	0.96
3031	0.02	0.02	0.0	235,67,0	0.06	1.97e-03	7.40e-03	214,67,67	0.19	214	0.87	0.06	0.94
	0.07	0.06	0.0	213,216,0	0.06	0.02	0.02	214,70,70			1.00	0.04	0.96
3032	0.01	0.01	0.0	71,67,0	0.05	3.74e-03	7.80e-03	214,67,67	0.17	214	0.87	0.06	0.94
	0.06	0.04	0.0	66,70,0	0.05	0.02	0.02	214,66,66			1.00	0.04	0.96
3033	5.11e-03	0.01	0.0	237,68,0	0.08	1.60e-03	4.34e-03	212,100,67	0.22	212	0.87	0.06	0.94
	0.09	0.07	0.0	213,216,0	0.08	0.03	0.03	212,70,70			1.00	0.04	0.96
3034	5.11e-03	0.01	0.0	237,212,0	0.06	1.41e-03	3.62e-03	212,99,67	0.19	212	0.87	0.06	0.94
	0.06	0.04	0.0	68,70,0	0.06	0.03	0.03	212,66,66			1.00	0.04	0.96
3035	0.03	0.03	0.0	237,240,0	2.45e-03	0.01	0.02	209,68,68	0.04	209	0.87	0.06	0.94
	0.14	0.10	0.0	209,212,0	2.45e-03	4.49e-03	4.49e-03	209,234,234			1.00	0.04	0.96
3036	0.03	0.03	0.0	237,240,0	2.45e-03	0.01	0.02	209,68,68	0.04	209	0.87	0.06	0.94
	0.14	0.10	0.0	209,212,0	2.45e-03	4.49e-03	4.49e-03	209,234,234			1.00	0.04	0.96
3037	0.01	9.73e-03	0.0	237,240,0	2.45e-03	0.01	0.02	209,68,68	0.04	209	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	2.45e-03	1.18e-03	1.18e-03	209,66,66			1.00	0.04	0.96
3038	0.01	9.73e-03	0.0	237,240,0	2.45e-03	0.01	0.02	209,68,68	0.04	209	0.87	0.06	0.94
	0.03	0.02	0.0	210,211,0	2.45e-03	1.18e-03	1.18e-03	209,66,66			1.00	0.04	0.96
3039	0.02	0.02	0.0	215,214,0	8.03e-03	0.01	0.01	214,67,67	0.07	214	0.87	0.06	0.94
	0.09	0.06	0.0	209,212,0	8.02e-03	7.43e-03	7.43e-03	214,66,66			1.00	0.04	0.96
3040	7.09e-03	5.86e-03	0.0	71,67,0	2.31e-03	0.01	0.01	212,67,67	0.04	212	0.87	0.06	0.94
	0.03	0.02	0.0	210,211,0	2.31e-03	9.66e-04	9.66e-04	212,234,234			1.00	0.04	0.96
3041	0.01	0.01	0.0	71,67,0	0.01	7.10e-03	8.69e-03	214,71,71	0.09	214	0.87	0.06	0.94
	0.06	0.04	0.0	209,212,0	0.01	0.02	0.02	214,66,66			1.00	0.04	0.96
3042	4.10e-03	4.10e-03	0.0	71,105,0	5.68e-03	7.10e-03	8.69e-03	234,71,71	0.06	234	0.87	0.06	0.94

	0.03	0.02	0.0	214,211,0	5.68e-03	5.63e-03	5.63e-03	234,66,66			1.00	0.04	0.96
3043	4.17e-03	8.48e-03	0.0	237,212,0	0.01	1.99e-03	2.75e-03	214,234,67	0.09	214	0.87	0.06	0.94
	0.05	0.03	0.0	68,70,0	0.01	0.02	0.02	214,66,66			1.00	0.04	0.96
3044	6.81e-04	4.63e-03	0.0	237,105,0	6.03e-03	1.99e-03	2.72e-03	234,234,234	0.06	234	0.87	0.06	0.94
	0.02	0.02	0.0	209,212,0	6.03e-03	7.03e-03	7.03e-03	234,66,66			1.00	0.04	0.96
3045	0.02	0.03	0.0	235,234,0	0.02	7.26e-03	9.70e-03	228,67,67	0.10	228	0.87	0.06	0.94
	0.05	0.04	0.0	213,216,0	0.02	0.02	0.02	228,70,70			1.00	0.04	0.96
3046	0.02	0.03	0.0	237,240,0	0.02	4.73e-03	9.52e-03	212,67,67	0.11	212	0.87	0.06	0.94
	0.13	0.10	0.0	209,212,0	0.02	0.02	0.02	212,70,70			1.00	0.04	0.96
3047	0.02	0.03	0.0	237,240,0	0.09	4.48e-03	9.71e-03	212,68,67	0.23	212	0.87	0.06	0.94
	0.13	0.10	0.0	209,212,0	0.09	0.03	0.03	212,70,70			1.00	0.04	0.96
3048	0.02	0.03	0.0	235,234,0	0.01	7.26e-03	9.70e-03	212,67,67	0.08	212	0.87	0.06	0.94
	0.04	0.03	0.0	209,212,0	0.01	0.01	0.01	212,70,70			1.00	0.04	0.96
3049	0.02	0.03	0.0	237,240,0	0.01	4.73e-03	9.52e-03	212,67,67	0.08	212	0.87	0.06	0.94
	0.13	0.10	0.0	209,212,0	0.01	0.02	0.02	212,70,70			1.00	0.04	0.96
3050	0.02	0.03	0.0	237,240,0	0.09	4.48e-03	9.71e-03	212,68,67	0.23	212	0.87	0.06	0.94
	0.13	0.10	0.0	209,212,0	0.09	0.02	0.02	212,70,70			1.00	0.04	0.96
3051	0.03	0.03	0.0	215,240,0	0.09	4.48e-03	9.71e-03	212,68,67	0.23	212	0.87	0.06	0.94
	0.10	0.07	0.0	209,212,0	0.09	0.03	0.03	212,70,70			1.00	0.04	0.96
3052	0.03	0.03	0.0	215,214,0	0.06	4.39e-03	8.29e-03	212,67,67	0.19	212	0.87	0.06	0.94
	0.07	0.05	0.0	212,209,0	0.06	0.03	0.03	212,66,66			1.00	0.04	0.96
3053	0.03	0.03	0.0	215,240,0	0.09	4.48e-03	9.71e-03	212,68,67	0.23	212	0.87	0.06	0.94
	0.10	0.07	0.0	209,212,0	0.09	0.02	0.02	212,70,70			1.00	0.04	0.96
3054	0.03	0.03	0.0	215,214,0	0.05	4.39e-03	8.29e-03	212,67,67	0.18	212	0.87	0.06	0.94
	0.07	0.05	0.0	212,209,0	0.05	0.01	0.01	212,66,66			1.00	0.04	0.96
3055	0.02	0.02	0.0	215,209,0	9.16e-03	7.68e-03	9.19e-03	232,71,67	0.07	232	0.87	0.06	0.94
	0.05	0.03	0.0	212,70,0	9.17e-03	0.02	0.02	232,66,66			1.00	0.04	0.96
3056	6.76e-03	6.36e-03	0.0	215,214,0	6.03e-03	7.68e-03	9.19e-03	234,71,67	0.06	234	0.87	0.06	0.94
	0.02	0.02	0.0	213,216,0	6.03e-03	7.03e-03	7.03e-03	234,66,66			1.00	0.04	0.96
3057	0.02	0.02	0.0	215,209,0	3.27e-03	7.68e-03	9.19e-03	232,71,67	0.04	232	0.87	0.06	0.94
	0.05	0.03	0.0	212,209,0	3.27e-03	0.01	0.01	232,66,66			1.00	0.04	0.96
3058	6.76e-03	6.36e-03	0.0	215,214,0	2.82e-03	7.68e-03	9.19e-03	240,71,67	0.04	240	0.87	0.06	0.94
	0.02	0.01	0.0	209,212,0	2.82e-03	3.77e-03	3.77e-03	240,70,70			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.14	0.10	0.0	0.09	0.03	0.03	0.23

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
67	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1662	6.62e-03	5.59e-03	0.0	214,215,0	0.06	8.49e-04	1.43e-03	212,235,215	0.19	212	0.56	0.09	0.91
	0.02	0.02	0.0	215,214,0	0.06	2.69e-03	2.69e-03	212,67,67			1.00	0.04	0.96
1680	5.99e-04	8.61e-04	0.0	238,239,0	0.07	6.34e-04	8.01e-04	212,70,70	0.21	212	0.56	0.09	0.91
	0.03	0.02	0.0	213,216,0	0.07	0.02	0.02	212,70,70			1.00	0.04	0.96
1721	6.62e-03	5.59e-03	0.0	214,215,0	0.07	1.43e-03	1.60e-03	212,70,70	0.21	212	0.56	0.09	0.91
	0.02	0.02	0.0	215,214,0	0.07	5.94e-03	5.94e-03	212,67,67			1.00	0.04	0.96
1723	6.43e-03	5.41e-03	0.0	214,215,0	0.08	1.43e-03	1.60e-03	212,70,70	0.22	212	0.56	0.09	0.91
	0.01	0.01	0.0	69,68,0	0.08	8.72e-03	8.72e-03	212,67,67			1.00	0.04	0.96
1725	4.82e-03	4.14e-03	0.0	214,215,0	0.08	1.26e-03	1.36e-03	212,70,66	0.22	212	0.56	0.09	0.91
	0.03	0.02	0.0	213,216,0	0.08	0.02	0.02	212,70,70			1.00	0.04	0.96
2220	8.05e-03	7.04e-03	0.0	209,212,0	0.07	2.20e-03	3.13e-03	212,70,70	0.21	212	0.56	0.09	0.91
	0.02	0.02	0.0	215,214,0	0.07	5.94e-03	5.94e-03	212,67,67			1.00	0.04	0.96
2221	0.07	0.06	0.0	209,212,0	0.07	8.92e-03	0.01	212,67,68	0.20	212	0.56	0.09	0.91
	0.02	0.02	0.0	237,234,0	0.07	7.55e-03	7.55e-03	212,67,67			1.00	0.04	0.96
2222	0.07	0.06	0.0	209,212,0	0.05	8.92e-03	0.01	212,67,68	0.17	212	0.56	0.09	0.91
	0.02	0.02	0.0	237,212,0	0.05	7.55e-03	7.55e-03	212,67,67			1.00	0.04	0.96
2356	0.01	8.41e-03	0.0	209,212,0	0.08	1.43e-03	2.14e-03	212,70,70	0.22	212	0.56	0.09	0.91
	0.02	0.02	0.0	69,68,0	0.08	8.72e-03	8.72e-03	212,67,67			1.00	0.04	0.96
2357	0.05	0.04	0.0	209,212,0	0.07	3.97e-03	0.01	212,70,68	0.21	212	0.56	0.09	0.91
	0.02	0.02	0.0	69,68,0	0.07	4.91e-03	4.91e-03	212,67,67			1.00	0.04	0.96
2358	0.05	0.04	0.0	209,212,0	0.05	3.97e-03	0.01	212,70,68	0.16	212	0.56	0.09	0.91
	8.50e-03	6.09e-03	0.0	213,216,0	0.05	4.91e-03	4.91e-03	212,67,67			1.00	0.04	0.96
2370	0.01	0.01	0.0	209,212,0	0.08	1.26e-03	2.14e-03	212,70,70	0.22	212	0.56	0.09	0.91
	0.04	0.03	0.0	72,65,0	0.08	0.02	0.02	212,70,70			1.00	0.04	0.96

2372	0.03	0.02	0.0	214,215,0	0.07	7.92e-03	0.01	212,67,69	0.21	212	0.56	0.09	0.91
	0.04	0.03	0.0	72,65,0	0.07	0.01	0.01	212,67,67			1.00	0.04	0.96
2373	0.03	0.02	0.0	214,215,0	0.04	7.92e-03	0.01	212,67,69	0.16	212	0.56	0.09	0.91
	0.03	0.02	0.0	216,213,0	0.04	0.01	0.01	212,67,67			1.00	0.04	0.96
3048	6.62e-03	5.59e-03	0.0	214,215,0	0.06	2.20e-03	3.13e-03	212,70,70	0.19	212	0.56	0.09	0.91
	0.02	0.02	0.0	215,214,0	0.06	3.37e-03	3.37e-03	212,70,70			1.00	0.04	0.96
3049	0.07	0.06	0.0	209,212,0	0.06	8.92e-03	0.01	212,67,68	0.18	212	0.56	0.09	0.91
	0.02	0.02	0.0	237,234,0	0.06	7.55e-03	7.55e-03	212,67,67			1.00	0.04	0.96
3050	0.07	0.06	0.0	209,212,0	0.05	8.92e-03	0.01	212,67,68	0.17	212	0.56	0.09	0.91
	0.02	0.02	0.0	237,212,0	0.05	7.55e-03	7.55e-03	212,67,67			1.00	0.04	0.96
3059	0.01	0.01	0.0	209,212,0	0.07	8.41e-04	1.55e-03	212,235,215	0.21	212	0.56	0.09	0.91
	0.04	0.03	0.0	72,65,0	0.07	0.02	0.02	212,70,70			1.00	0.04	0.96
3061	0.01	0.01	0.0	209,212,0	0.06	7.92e-03	0.01	212,67,69	0.20	212	0.56	0.09	0.91
	0.04	0.03	0.0	72,65,0	0.06	0.01	0.01	212,67,67			1.00	0.04	0.96
3063	0.01	7.86e-03	0.0	214,215,0	0.04	7.92e-03	0.01	212,67,69	0.16	212	0.56	0.09	0.91
	0.03	0.02	0.0	216,213,0	0.04	0.01	0.01	212,67,67			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.07	0.06	0.0	0.08	0.02	0.02	0.22

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
68	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2181	0.01	8.92e-03	0.0	214,215,0	0.03	5.59e-04	1.82e-03	212,235,235	0.13	212	0.33	0.14	0.86
	5.25e-03	3.62e-03	0.0	68,69,0	0.03	6.73e-03	6.73e-03	212,68,68			1.00	0.04	0.96
2183	0.03	0.03	0.0	209,212,0	0.03	2.05e-03	0.01	212,69,68	0.13	212	0.33	0.14	0.86
	7.68e-03	5.12e-03	0.0	209,212,0	0.03	2.73e-03	2.73e-03	212,69,69			1.00	0.04	0.96
2200	7.97e-03	6.35e-03	0.0	214,215,0	0.03	5.59e-04	1.82e-03	212,235,235	0.13	212	0.33	0.14	0.86
	3.29e-03	2.46e-03	0.0	69,68,0	0.03	2.73e-03	2.73e-03	212,69,69			1.00	0.04	0.96
2201	0.02	0.01	0.0	213,216,0	0.02	5.67e-03	0.01	212,68,68	0.12	212	0.33	0.14	0.86
	0.03	0.02	0.0	212,209,0	0.02	8.37e-03	8.37e-03	212,68,68			1.00	0.04	0.96
2202	0.05	0.04	0.0	209,212,0	0.03	5.87e-03	0.01	212,69,68	0.13	212	0.33	0.14	0.86
	0.02	0.01	0.0	209,212,0	0.03	9.82e-03	9.82e-03	212,66,66			1.00	0.04	0.96
2203	0.03	0.03	0.0	209,212,0	0.02	2.05e-03	0.01	212,69,68	0.12	212	0.33	0.14	0.86
	7.68e-03	5.12e-03	0.0	209,212,0	0.02	1.64e-03	1.64e-03	212,69,69			1.00	0.04	0.96
2212	4.59e-03	3.45e-03	0.0	69,234,0	0.02	5.67e-03	6.89e-03	212,68,236	0.12	212	0.33	0.14	0.86
	0.03	0.02	0.0	212,209,0	0.02	8.37e-03	8.37e-03	212,68,68			1.00	0.04	0.96
2216	8.71e-03	7.73e-03	0.0	212,209,0	0.02	5.49e-04	1.13e-03	212,71,237	0.12	212	0.33	0.14	0.86
	0.02	0.01	0.0	214,68,0	0.02	9.46e-03	9.46e-03	212,68,68			1.00	0.04	0.96
2223	6.12e-03	4.73e-03	0.0	240,237,0	0.03	3.15e-04	1.49e-03	212,240,235	0.13	212	0.33	0.14	0.86
	5.67e-03	4.20e-03	0.0	69,68,0	0.03	7.62e-03	7.62e-03	212,66,66			1.00	0.04	0.96
2224	0.05	0.04	0.0	209,212,0	0.03	5.87e-03	0.01	212,69,68	0.13	212	0.33	0.14	0.86
	0.02	0.01	0.0	209,212,0	0.03	9.82e-03	9.82e-03	212,66,66			1.00	0.04	0.96
2354	0.01	9.58e-03	0.0	210,211,0	0.02	5.67e-03	6.89e-03	212,68,236	0.12	212	0.33	0.14	0.86
	0.03	0.02	0.0	212,209,0	0.02	8.81e-03	8.81e-03	212,71,71			1.00	0.04	0.96
2355	0.01	9.58e-03	0.0	210,211,0	0.02	6.07e-04	1.67e-03	212,68,215	0.12	212	0.33	0.14	0.86
	0.02	0.01	0.0	215,214,0	0.02	8.81e-03	8.81e-03	212,71,71			1.00	0.04	0.96
2360	0.05	0.04	0.0	209,212,0	0.03	5.87e-03	0.01	212,69,68	0.13	212	0.33	0.14	0.86
	0.02	0.01	0.0	209,212,0	0.03	9.82e-03	9.82e-03	212,66,66			1.00	0.04	0.96
2376	0.02	0.01	0.0	213,216,0	0.03	5.67e-03	0.01	212,68,68	0.13	212	0.33	0.14	0.86
	0.03	0.02	0.0	212,209,0	0.03	8.81e-03	8.81e-03	212,71,71			1.00	0.04	0.96
2468	0.05	0.04	0.0	209,212,0	0.03	5.87e-03	0.01	212,69,68	0.13	212	0.33	0.14	0.86
	0.02	0.01	0.0	209,212,0	0.03	9.82e-03	9.82e-03	212,66,66			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.05	0.04	0.0	0.03	9.82e-03	0.01	0.13

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
69	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2180	0.04	0.02	0.0	212,209,0	0.03	6.79e-03	8.62e-03	212,70,233	0.13	212	0.33	0.14	0.86
	0.02	0.01	0.0	212,209,0	0.03	6.59e-03	6.59e-03	212,67,67			1.00	0.04	0.96
2182	0.02	0.01	0.0	236,233,0	0.03	2.97e-03	8.32e-03	212,70,237	0.13	212	0.33	0.14	0.86
	7.61e-03	5.28e-03	0.0	212,209,0	0.03	1.53e-03	1.53e-03	212,67,67			1.00	0.04	0.96
2184	0.02	0.02	0.0	209,212,0	0.03	4.72e-03	8.63e-03	212,67,68	0.14	212	0.33	0.14	0.86
	0.03	0.02	0.0	209,212,0	0.03	5.93e-03	5.93e-03	212,67,67			1.00	0.04	0.96
2185	0.04	0.02	0.0	212,209,0	0.03	6.79e-03	8.62e-03	212,70,233	0.14	212	0.33	0.14	0.86
	0.02	0.01	0.0	212,209,0	0.03	6.59e-03	6.59e-03	212,67,67			1.00	0.04	0.96
2186	9.98e-03	7.97e-03	0.0	209,212,0	0.03	1.93e-03	3.02e-03	212,236,70	0.14	212	0.33	0.14	0.86
	3.87e-03	2.54e-03	0.0	216,233,0	0.03	4.85e-03	4.85e-03	212,67,67			1.00	0.04	0.96
2187	0.02	0.01	0.0	236,233,0	0.04	2.97e-03	8.32e-03	212,70,237	0.15	212	0.33	0.14	0.86
	7.61e-03	5.28e-03	0.0	212,209,0	0.04	2.88e-03	2.88e-03	212,69,69			1.00	0.04	0.96
2188	8.46e-03	6.28e-03	0.0	209,212,0	0.04	1.76e-03	3.29e-03	212,70,70	0.15	212	0.33	0.14	0.86
	3.39e-03	2.36e-03	0.0	65,72,0	0.04	2.88e-03	2.88e-03	212,69,69			1.00	0.04	0.96
2189	0.02	0.02	0.0	209,212,0	0.04	4.72e-03	8.63e-03	212,67,68	0.15	212	0.33	0.14	0.86
	0.03	0.02	0.0	209,212,0	0.04	0.01	0.01	212,236,236			1.00	0.04	0.96
2190	4.41e-03	3.37e-03	0.0	214,215,0	0.04	1.80e-03	3.29e-03	212,236,70	0.15	212	0.33	0.14	0.86
	5.31e-03	3.85e-03	0.0	69,68,0	0.04	5.78e-03	5.78e-03	212,67,67			1.00	0.04	0.96
2209	0.02	0.02	0.0	209,212,0	0.03	4.72e-03	8.63e-03	212,67,68	0.14	212	0.33	0.14	0.86
	0.03	0.02	0.0	209,212,0	0.03	5.93e-03	5.93e-03	212,67,67			1.00	0.04	0.96
2213	0.02	0.02	0.0	209,212,0	0.03	4.72e-03	8.63e-03	212,67,68	0.14	212	0.33	0.14	0.86
	0.03	0.02	0.0	209,212,0	0.03	0.01	0.01	212,236,236			1.00	0.04	0.96
2215	5.27e-03	4.48e-03	0.0	232,229,0	0.03	1.80e-03	3.11e-03	212,236,233	0.14	212	0.33	0.14	0.86
	0.02	0.02	0.0	213,216,0	0.03	0.01	0.01	212,236,236			1.00	0.04	0.96
3054	0.04	0.02	0.0	212,209,0	0.03	6.79e-03	8.62e-03	212,70,233	0.13	212	0.33	0.14	0.86
	0.02	0.01	0.0	212,209,0	0.03	6.59e-03	6.59e-03	212,67,67			1.00	0.04	0.96
3057	0.04	0.02	0.0	212,209,0	0.03	6.79e-03	8.62e-03	212,70,233	0.13	212	0.33	0.14	0.86
	0.02	0.01	0.0	212,209,0	0.03	6.59e-03	6.59e-03	212,67,67			1.00	0.04	0.96
3058	0.02	0.01	0.0	209,212,0	0.03	3.06e-03	3.06e-03	212,70,70	0.13	212	0.33	0.14	0.86
	0.02	0.01	0.0	212,209,0	0.03	4.85e-03	4.85e-03	212,67,67			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.04	0.02	0.0	0.04	0.01	0.01	0.15

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
70	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.10	6.1	105	0.22	13.0	183	0.25	-4355.3	-3.217e+05	99

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1828	0.08	0.04	0.0	99,107,0	5.78e-03	0.03	0.04	235,214,107	0.06	235	0.87	0.06	0.94
	0.05	0.01	0.0	235,234,0	5.78e-03	0.02	0.02	235,99,99			1.00	0.04	0.96
1850	0.08	0.04	0.0	99,235,0	7.78e-03	0.03	0.04	107,214,107	0.07	107	0.87	0.06	0.94
	0.05	0.01	0.0	235,234,0	7.78e-03	0.02	0.02	107,99,99			1.00	0.04	0.96
1852	9.31e-03	0.05	0.0	240,237,0	7.78e-03	7.57e-03	0.01	107,233,233	0.07	107	0.87	0.06	0.94
	0.05	0.01	0.0	100,234,0	7.78e-03	5.10e-03	5.10e-03	107,240,240			1.00	0.04	0.96
1854	0.01	0.05	0.0	214,215,0	3.10e-03	0.01	0.02	221,236,239	0.04	221	0.87	0.06	0.94
	0.02	7.07e-03	0.0	100,234,0	3.10e-03	3.82e-03	3.82e-03	221,236,236			1.00	0.04	0.96
1856	0.01	0.05	0.0	214,215,0	3.10e-03	0.01	0.02	221,236,239	0.04	221	0.87	0.06	0.94
	4.89e-03	3.94e-03	0.0	221,224,0	3.10e-03	2.17e-03	2.17e-03	221,236,236			1.00	0.04	0.96
2163	0.08	0.04	0.0	99,105,0	0.05	0.03	0.04	100,214,107	0.17	100	0.87	0.06	0.94
	0.05	0.01	0.0	235,234,0	0.05	0.02	0.02	100,99,99			1.00	0.04	0.96
2164	0.04	0.04	0.0	99,105,0	0.05	0.02	0.03	100,99,107	0.17	100	0.87	0.06	0.94
	0.05	0.01	0.0	235,234,0	0.05	7.34e-03	7.34e-03	100,240,240			1.00	0.04	0.96
2165	0.02	0.05	0.0	103,105,0	0.03	7.63e-03	0.01	235,100,100	0.14	235	0.87	0.06	0.94
	0.01	4.43e-03	0.0	99,235,0	0.03	4.48e-03	4.48e-03	235,235,235			1.00	0.04	0.96
2174	0.0	0.06	0.0	0,105,0	0.03	3.36e-03	0.01	107,107,105	0.14	107	0.0	0.0	0.0
	6.86e-03	7.43e-03	0.0	235,234,0	0.03	5.29e-03	5.29e-03	107,235,235			1.00	0.04	0.96
2175	0.0	0.07	0.0	0,105,0	0.05	8.59e-03	0.02	107,234,105	0.17	107	0.0	0.0	0.0
	6.86e-03	0.04	0.0	235,107,0	0.05	6.69e-03	6.69e-03	107,107,107			1.00	0.04	0.96

2262	0.0	0.07	0.0	0,105,0	0.05	0.01	0.02107,234,105	0.17	107	0.0	0.0	0.0
	0.01	0.04	0.0	234,107,0	0.05	6.69e-03	6.69e-03107,107,107			1.00	0.04	0.96
2263	0.0	0.06	0.0	0,105,0	5.28e-03	0.01	0.02107,234,105	0.06	107	0.0	0.0	0.0
	0.01	0.03	0.0	234,107,0	5.23e-03	6.51e-03	6.51e-03107,234,234			1.00	0.04	0.96
2264	0.08	0.04	0.0	99,235,0	0.05	0.03	0.04100,214,107	0.17	100	0.87	0.06	0.94
	0.05	0.01	0.0	235,234,0	0.05	0.02	0.02 100,99,99			1.00	0.04	0.96
2265	0.04	0.04	0.0	99,235,0	0.05	0.02	0.03100,99,107	0.17	100	0.87	0.06	0.94
	0.05	0.01	0.0	100,234,0	0.05	7.34e-03	7.34e-03100,240,240			1.00	0.04	0.96
2266	0.02	0.05	0.0	103,105,0	0.04	7.63e-03	0.01100,100,100	0.16	100	0.87	0.06	0.94
	0.01	5.73e-03	0.0	99,235,0	0.04	4.48e-03	4.48e-03100,235,235			1.00	0.04	0.96
2267	0.01	0.05	0.0	240,237,0	0.04	7.57e-03	0.01100,233,233	0.16	100	0.87	0.06	0.94
	0.05	0.01	0.0	100,234,0	0.04	5.10e-03	5.10e-03100,240,240			1.00	0.04	0.96
2268	0.02	0.05	0.0	240,237,0	0.04	4.68e-03	0.01100,235,235	0.16	100	0.87	0.06	0.94
	0.05	0.01	0.0	100,234,0	0.04	2.51e-03	2.51e-03100,240,240			1.00	0.04	0.96
2269	0.02	0.04	0.0	234,237,0	0.04	2.98e-03	0.01100,236,237	0.16	100	0.87	0.06	0.94
	0.01	5.73e-03	0.0	235,235,0	0.04	2.51e-03	2.51e-03100,240,240			1.00	0.04	0.96
2270	0.02	0.05	0.0	234,215,0	0.01	0.01	0.02107,236,239	0.09	107	0.87	0.06	0.94
	0.03	7.07e-03	0.0	100,234,0	0.01	3.82e-03	3.82e-03107,236,236			1.00	0.04	0.96
2271	0.02	0.05	0.0	238,235,0	0.02	6.26e-03	0.02100,233,239	0.10	100	0.87	0.06	0.94
	0.03	7.01e-03	0.0	100,234,0	0.02	2.10e-03	2.10e-03100,240,240			1.00	0.04	0.96
2272	0.03	0.05	0.0	234,235,0	0.02	3.18e-03	0.01100,233,239	0.11	100	0.87	0.06	0.94
	6.42e-03	4.26e-03	0.0	235,235,0	0.02	1.58e-03	1.58e-03100,235,235			1.00	0.04	0.96
2273	0.02	0.05	0.0	234,215,0	3.61e-03	0.01	0.02215,236,239	0.05	215	0.87	0.06	0.94
	7.14e-03	3.94e-03	0.0	235,224,0	3.61e-03	2.17e-03	2.17e-03215,236,236			1.00	0.04	0.96
2274	0.02	0.05	0.0	238,235,0	5.50e-03	6.26e-03	0.02215,233,239	0.06	215	0.87	0.06	0.94
	7.14e-03	2.92e-03	0.0	235,234,0	5.50e-03	1.21e-03	1.21e-03215,240,240			1.00	0.04	0.96
2275	0.03	0.05	0.0	234,235,0	5.50e-03	3.18e-03	0.01215,233,239	0.06	215	0.87	0.06	0.94
	2.05e-03	1.66e-03	0.0	234,240,0	5.50e-03	1.21e-03	1.21e-03215,240,240			1.00	0.04	0.96
2276	0.01	0.06	0.0	234,105,0	0.04	3.36e-03	0.01100,107,105	0.16	100	0.87	0.06	0.94
	0.01	7.43e-03	0.0	235,234,0	0.04	5.29e-03	5.29e-03100,235,235			1.00	0.04	0.96
2277	0.01	0.07	0.0	234,105,0	0.05	8.59e-03	0.02107,234,105	0.17	107	0.87	0.06	0.94
	9.73e-03	0.04	0.0	235,107,0	0.05	6.69e-03	6.69e-03107,107,107			1.00	0.04	0.96
2278	0.02	0.04	0.0	234,235,0	0.04	2.61e-03	0.01100,235,235	0.16	100	0.87	0.06	0.94
	0.01	6.63e-03	0.0	235,234,0	0.04	1.72e-03	1.72e-03100,240,240			1.00	0.04	0.96
2371	0.02	0.03	0.0	234,235,0	0.04	5.29e-03	0.01100,234,235	0.16	100	0.87	0.06	0.94
	9.73e-03	0.03	0.0	235,107,0	0.04	2.50e-03	2.50e-03100,107,107			1.00	0.04	0.96
2374	0.03	0.04	0.0	234,235,0	0.02	3.95e-03	0.01100,234,235	0.11	100	0.87	0.06	0.94
	6.42e-03	4.26e-03	0.0	235,235,0	0.02	1.58e-03	1.58e-03100,235,235			1.00	0.04	0.96
2375	0.02	0.03	0.0	234,235,0	0.02	7.00e-03	0.01100,235,235	0.11	100	0.87	0.06	0.94
	4.73e-03	0.02	0.0	235,107,0	0.02	2.50e-03	2.50e-03100,107,107			1.00	0.04	0.96
2378	0.03	0.04	0.0	234,235,0	5.15e-03	3.95e-03	0.01215,234,235	0.06	215	0.87	0.06	0.94
	1.64e-03	1.38e-03	0.0	237,235,0	5.14e-03	1.09e-03	1.09e-03215,235,235			1.00	0.04	0.96
2379	0.02	0.03	0.0	234,235,0	5.08e-03	7.00e-03	0.01215,235,235	0.05	215	0.87	0.06	0.94
	1.31e-03	5.08e-03	0.0	235,107,0	5.07e-03	1.19e-03	1.19e-03215,107,107			1.00	0.04	0.96
2465	9.84e-03	0.07	0.0	234,105,0	0.05	0.01	0.02107,234,105	0.17	107	0.87	0.06	0.94
	0.01	0.04	0.0	234,107,0	0.05	6.69e-03	6.69e-03107,107,107			1.00	0.04	0.96
2466	5.55e-03	0.06	0.0	234,105,0	0.02	0.01	0.02235,234,105	0.10	235	0.87	0.06	0.94
	0.01	0.03	0.0	234,107,0	0.02	6.51e-03	6.51e-03235,234,234			1.00	0.04	0.96
2471	0.01	0.03	0.0	234,107,0	0.04	7.32e-03	0.01100,233,235	0.16	100	0.87	0.06	0.94
	9.94e-03	0.03	0.0	234,107,0	0.04	3.21e-03	3.21e-03100,105,105			1.00	0.04	0.96
2473	5.55e-03	0.02	0.0	234,107,0	0.02	7.32e-03	8.96e-03235,233,233	0.10	235	0.87	0.06	0.94
	9.94e-03	0.03	0.0	234,107,0	0.02	3.21e-03	3.21e-03235,105,105			1.00	0.04	0.96
2474	0.02	0.02	0.0	234,235,0	0.02	9.28e-03	0.01215,235,235	0.10	215	0.87	0.06	0.94
	2.44e-03	0.02	0.0	234,107,0	0.02	2.59e-03	2.59e-03215,105,105			1.00	0.04	0.96
2477	6.43e-03	6.31e-03	0.0	234,235,0	4.96e-03	9.28e-03	0.01215,235,235	0.05	215	0.87	0.06	0.94
	2.44e-03	0.01	0.0	234,107,0	4.96e-03	2.59e-03	2.59e-03215,105,105			1.00	0.04	0.96
2491	0.02	0.02	0.0	234,235,0	3.41e-03	9.28e-03	0.01215,235,235	0.04	215	0.87	0.06	0.94
	6.74e-04	5.08e-03	0.0	234,107,0	3.40e-03	1.40e-03	1.40e-03215,235,235			1.00	0.04	0.96
2493	6.43e-03	6.31e-03	0.0	234,235,0	1.39e-03	9.28e-03	0.01105,235,235	0.03	105	0.87	0.06	0.94
	1.19e-04	2.97e-03	0.0	226,105,0	1.39e-03	1.40e-03	1.40e-03105,235,235			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.08	0.07	0.0	0.05	0.03	0.04	0.17

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
71	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.33	-19.6	100	0.33	-19.7	100	0.15	-1292.3	1.898e+05	214

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1884	6.51e-03	0.04	0.0	224,100,0	3.07e-03	9.63e-03	0.01217,234,234		0.04	217	0.87	0.06	0.94
	0.0	6.35e-03	0.0	0,100,0	3.07e-03	2.38e-03	2.38e-03 217,99,99				0.0	0.0	0.0
1885	6.51e-03	0.04	0.0	224,100,0	6.58e-03	9.63e-03	0.01100,234,234		0.06	100	0.87	0.06	0.94
	5.95e-03	0.01	0.0	99,100,0	6.58e-03	5.74e-03	5.74e-03100,100,100				1.00	0.04	0.96
1887	6.47e-03	0.04	0.0	214,100,0	0.02	6.97e-03	0.01100,239,235		0.10	100	0.87	0.06	0.94
	0.02	0.02	0.0	99,100,0	0.02	6.03e-03	6.03e-03100,100,100				1.00	0.04	0.96
1889	9.77e-03	0.04	0.0	214,100,0	0.05	0.02	0.03100,100,100		0.17	100	0.87	0.06	0.94
	0.02	0.02	0.0	99,100,0	0.05	0.01	0.01100,100,100				1.00	0.04	0.96
1891	9.77e-03	0.04	0.0	214,100,0	0.05	0.02	0.03100,100,100		0.17	100	0.87	0.06	0.94
	0.01	0.01	0.0	99,100,0	0.05	0.01	0.01100,100,100				1.00	0.04	0.96
2288	0.02	0.03	0.0	234,100,0	0.02	3.03e-03	9.80e-03100,100,239		0.11	100	0.87	0.06	0.94
	8.46e-03	7.11e-03	0.0	234,235,0	0.02	2.17e-03	2.17e-03 100,99,99				1.00	0.04	0.96
2289	9.77e-03	0.05	0.0	214,100,0	0.05	0.02	0.03100,100,100		0.17	100	0.87	0.06	0.94
	0.03	0.02	0.0	100,100,0	0.05	0.01	0.01100,100,100				1.00	0.04	0.96
2290	7.67e-03	0.05	0.0	214,100,0	0.05	0.01	0.03100,100,100		0.16	100	0.87	0.06	0.94
	0.03	0.02	0.0	100,100,0	0.05	0.01	0.01100,100,100				1.00	0.04	0.96
2291	0.01	0.03	0.0	234,107,0	0.05	5.51e-03	0.01100,107,107		0.17	100	0.87	0.06	0.94
	0.01	0.01	0.0	107,107,0	0.05	8.24e-03	8.24e-03100,107,107				1.00	0.04	0.96
2292	7.66e-03	0.03	0.0	234,107,0	0.05	5.25e-03	0.01100,107,107		0.16	100	0.87	0.06	0.94
	4.88e-03	4.50e-03	0.0	237,235,0	0.05	4.75e-03	4.75e-03100,235,235				1.00	0.04	0.96
2293	7.78e-03	0.03	0.0	234,107,0	0.05	5.51e-03	0.01100,107,107		0.17	100	0.87	0.06	0.94
	8.03e-03	9.59e-03	0.0	107,107,0	0.05	8.24e-03	8.24e-03100,107,107				1.00	0.04	0.96
2294	0.01	0.02	0.0	240,237,0	1.29e-03	9.69e-03	0.01217,233,233		0.03	217	0.87	0.06	0.94
	3.29e-03	1.55e-03	0.0	228,229,0	1.29e-03	1.58e-03	1.58e-03217,233,233				1.00	0.04	0.96
2296	0.01	0.02	0.0	240,237,0	6.74e-03	9.69e-03	0.01100,233,233		0.06	100	0.87	0.06	0.94
	6.62e-03	6.80e-03	0.0	107,107,0	6.75e-03	3.20e-03	3.20e-03100,107,107				1.00	0.04	0.96
2297	9.40e-03	0.04	0.0	234,100,0	0.04	8.98e-03	0.02100,100,100		0.16	100	0.87	0.06	0.94
	8.46e-03	7.11e-03	0.0	234,235,0	0.04	4.66e-03	4.66e-03100,235,235				1.00	0.04	0.96
2298	9.77e-03	0.05	0.0	214,100,0	0.05	0.02	0.03100,100,100		0.17	100	0.87	0.06	0.94
	0.02	0.02	0.0	100,100,0	0.05	0.01	0.01100,100,100				1.00	0.04	0.96
2299	5.11e-03	6.32e-03	0.0	240,237,0	1.29e-03	9.69e-03	0.01217,233,233		0.03	217	0.87	0.06	0.94
	3.29e-03	1.55e-03	0.0	228,229,0	1.29e-03	1.58e-03	1.58e-03217,233,233				1.00	0.04	0.96
2300	5.11e-03	6.32e-03	0.0	240,237,0	6.08e-03	9.69e-03	0.01100,233,233		0.06	100	0.87	0.06	0.94
	6.40e-03	2.97e-03	0.0	107,107,0	6.08e-03	2.68e-03	2.68e-03100,107,107				1.00	0.04	0.96
2301	0.01	0.02	0.0	234,235,0	0.02	7.68e-03	9.90e-03100,235,235		0.11	100	0.87	0.06	0.94
	0.01	0.01	0.0	107,107,0	0.02	3.20e-03	3.20e-03100,107,107				1.00	0.04	0.96
2302	4.43e-03	5.52e-03	0.0	234,235,0	0.02	7.68e-03	9.57e-03100,235,235		0.11	100	0.87	0.06	0.94
	9.58e-03	9.41e-03	0.0	107,107,0	0.02	3.16e-03	3.16e-03100,107,107				1.00	0.04	0.96
2303	7.78e-03	0.06	0.0	234,107,0	0.07	0.02	0.03100,107,107		0.20	100	0.87	0.06	0.94
	0.01	0.01	0.0	107,107,0	0.07	8.91e-03	8.91e-03100,107,107				1.00	0.04	0.96
2304	3.61e-03	6.98e-03	0.0	234,107,0	0.04	9.11e-03	0.01100,107,107		0.16	100	0.87	0.06	0.94
	9.58e-03	9.41e-03	0.0	107,107,0	0.04	3.16e-03	3.16e-03100,107,107				1.00	0.04	0.96
2305	7.67e-03	0.05	0.0	214,100,0	0.05	0.01	0.03100,100,100		0.16	100	0.87	0.06	0.94
	0.02	0.02	0.0	100,100,0	0.05	0.01	0.01100,100,100				1.00	0.04	0.96
2306	6.40e-03	0.04	0.0	234,100,0	0.04	8.98e-03	0.02100,100,100		0.16	100	0.87	0.06	0.94
	4.88e-03	4.45e-03	0.0	237,235,0	0.04	4.66e-03	4.66e-03100,235,235				1.00	0.04	0.96
2309	7.78e-03	0.06	0.0	234,107,0	0.07	0.02	0.03100,107,107		0.20	100	0.87	0.06	0.94
	0.01	0.01	0.0	107,107,0	0.07	8.91e-03	8.91e-03100,107,107				1.00	0.04	0.96
2310	3.61e-03	0.06	0.0	238,107,0	0.07	0.02	0.03100,107,107		0.20	100	0.87	0.06	0.94
	0.01	0.01	0.0	107,107,0	0.07	8.91e-03	8.91e-03100,107,107				1.00	0.04	0.96
2325	0.02	0.03	0.0	240,237,0	1.34e-03	3.72e-03	0.01221,236,233		0.03	221	0.87	0.06	0.94
	1.69e-03	1.52e-03	0.0	235,235,0	1.34e-03	1.39e-03	1.39e-03221,235,235				1.00	0.04	0.96
2331	0.02	0.03	0.0	240,237,0	7.41e-03	3.72e-03	0.01100,236,233		0.07	100	0.87	0.06	0.94
	6.33e-03	5.33e-03	0.0	235,235,0	7.41e-03	1.87e-03	1.87e-03100,235,235				1.00	0.04	0.96
2348	0.02	0.03	0.0	240,237,0	1.29e-03	6.34e-03	0.01217,236,233		0.03	217	0.87	0.06	0.94
	1.69e-03	1.52e-03	0.0	235,235,0	1.29e-03	1.55e-03	1.55e-03217,107,107				1.00	0.04	0.96
2361	0.02	0.03	0.0	240,237,0	7.18e-03	6.34e-03	0.01100,236,233		0.07	100	0.87	0.06	0.94
	6.62e-03	6.80e-03	0.0	107,107,0	7.18e-03	3.20e-03	3.20e-03100,107,107				1.00	0.04	0.96
2494	0.01	0.04	0.0	236,100,0	3.07e-03	9.63e-03	0.01217,234,233		0.04	217	0.87	0.06	0.94
	1.81e-03	6.35e-03	0.0	216,100,0	3.07e-03	2.63e-03	2.63e-03217,100,100				1.00	0.04	0.96
2520	0.01	0.04	0.0	236,100,0	7.32e-03	9.63e-03	0.01100,234,233		0.07	100	0.87	0.06	0.94
	0.01	0.01	0.0	100,100,0	7.32e-03	5.74e-03	5.74e-03100,100,100				1.00	0.04	0.96
2521	0.02	0.03	0.0	236,233,0	2.15e-03	6.07e-03	0.01217,234,233		0.04	217	0.87	0.06	0.94
	2.03e-03	3.37e-03	0.0	236,100,0	2.14e-03	2.63e-03	2.63e-03217,100,100				1.00	0.04	0.96
2522	0.02	0.03	0.0	236,233,0	7.48e-03	6.07e-03	0.01100,234,233		0.07	100	0.87	0.06	0.94
	0.01	0.01	0.0	100,100,0	7.48e-03	5.48e-03	5.48e-03100,100,100				1.00	0.04	0.96
2523	0.02	0.03	0.0	240,233,0	1.58e-03	3.67e-03	0.01221,235,233		0.03	221	0.87	0.06	0.94
	2.03e-03	1.56e-03	0.0	236,238,0	1.57e-03	1.33e-03	1.33e-03221,236,236				1.00	0.04	0.96
2525	0.02	0.03	0.0	234,235,0	0.02	3.03e-03	9.58e-03100,100,235		0.11	100	0.87	0.06	0.94
	8.78e-03	7.87e-03	0.0	235,235,0	0.02	1.87e-03	1.87e-03100,235,235				1.00	0.04	0.96
2526	0.02	0.02	0.0	234,235,0	0.02	4.83e-03	9.90e-03100,234,235		0.11	100	0.87	0.06	0.94

	0.01	0.01	0.0	107,107,0	0.02	3.20e-03	3.20e-03	100,107,107			1.00	0.04	0.96
2527	0.01	0.03	0.0	234,107,0	0.05	5.25e-03	0.01	100,107,107	0.16	100	0.87	0.06	0.94
	8.78e-03	7.87e-03	0.0	235,235,0	0.05	4.75e-03	4.75e-03	100,235,235			1.00	0.04	0.96
2528	0.02	0.03	0.0	240,233,0	7.48e-03	3.67e-03	0.01	100,235,233	0.07	100	0.87	0.06	0.94
	6.92e-03	4.83e-03	0.0	236,238,0	7.48e-03	1.61e-03	1.61e-03	100,235,235			1.00	0.04	0.96
2529	6.47e-03	0.04	0.0	214,100,0	0.02	6.97e-03	0.01	100,239,235	0.11	100	0.87	0.06	0.94
	0.03	0.02	0.0	100,100,0	0.02	6.03e-03	6.03e-03	100,100,100			1.00	0.04	0.96
2532	0.01	0.04	0.0	234,100,0	0.02	4.68e-03	0.01	100,233,235	0.11	100	0.87	0.06	0.94
	0.03	0.02	0.0	100,100,0	0.02	5.48e-03	5.48e-03	100,100,100			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.03	0.06	0.0	0.07	0.02	0.03	0.20

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
72	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.39	23.0	196	0.37	21.8	207	0.15	1033.1	2.118e+05	215

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1520	0.04	0.04	0.0	215,214,0	6.77e-04	0.03	0.04	228,44,42	0.02	228	0.87	0.06	0.94
	0.01	5.23e-03	0.0	43,46,0	6.70e-04	3.50e-03	3.50e-03	228,44,44			1.00	0.04	0.96
1521	0.04	0.04	0.0	215,225,0	0.05	0.03	0.04	228,44,42	0.18	228	0.87	0.06	0.94
	0.01	5.23e-03	0.0	43,46,0	0.05	5.69e-03	5.69e-03	228,44,44			1.00	0.04	0.96
1523	0.04	0.04	0.0	228,225,0	0.05	0.02	0.03	228,44,42	0.18	228	0.87	0.06	0.94
	0.01	3.38e-03	0.0	44,46,0	0.05	5.69e-03	5.69e-03	228,44,44			1.00	0.04	0.96
1525	0.02	0.02	0.0	214,215,0	0.05	6.93e-03	0.01	228,214,215	0.17	228	0.87	0.06	0.94
	4.50e-03	2.34e-03	0.0	43,46,0	0.05	2.53e-03	2.53e-03	228,45,45			1.00	0.04	0.96
2894	0.05	0.06	0.0	47,42,0	3.87e-03	0.03	0.04	100,44,42	0.05	100	0.87	0.06	0.94
	0.01	5.23e-03	0.0	43,46,0	3.87e-03	3.50e-03	3.50e-03	100,44,44			1.00	0.04	0.96
2895	0.05	0.06	0.0	47,42,0	0.05	0.03	0.04	228,44,42	0.18	228	0.87	0.06	0.94
	0.02	6.88e-03	0.0	44,46,0	0.05	5.69e-03	5.69e-03	228,44,44			1.00	0.04	0.96
2896	0.07	0.07	0.0	47,42,0	7.72e-03	0.02	0.04	228,45,42	0.07	228	0.87	0.06	0.94
	8.16e-03	4.25e-03	0.0	99,228,0	7.70e-03	3.19e-03	3.19e-03	228,44,44			1.00	0.04	0.96
2897	0.07	0.07	0.0	47,42,0	0.05	0.02	0.04	228,45,42	0.17	228	0.87	0.06	0.94
	0.02	0.01	0.0	44,42,0	0.05	3.19e-03	3.19e-03	228,44,44			1.00	0.04	0.96
2898	0.07	0.08	0.0	47,42,0	0.01	9.31e-03	0.04	228,45,42	0.08	228	0.87	0.06	0.94
	0.01	9.63e-03	0.0	228,225,0	0.01	3.30e-03	3.30e-03	228,45,45			1.00	0.04	0.96
2899	0.07	0.08	0.0	47,42,0	0.04	9.31e-03	0.04	228,45,42	0.15	228	0.87	0.06	0.94
	0.01	0.01	0.0	45,42,0	0.04	3.30e-03	3.30e-03	228,45,45			1.00	0.04	0.96
2900	0.04	0.04	0.0	228,225,0	0.05	0.02	0.03	228,44,42	0.18	228	0.87	0.06	0.94
	0.02	6.88e-03	0.0	44,46,0	0.05	7.81e-03	7.81e-03	228,44,44			1.00	0.04	0.96
2901	0.04	0.05	0.0	47,42,0	0.05	0.01	0.03	228,44,44	0.17	228	0.87	0.06	0.94
	0.02	0.01	0.0	44,42,0	0.05	9.70e-03	9.70e-03	228,44,44			1.00	0.04	0.96
2902	0.04	0.05	0.0	47,42,0	0.04	6.03e-03	0.02	228,212,44	0.16	228	0.87	0.06	0.94
	0.01	0.01	0.0	45,42,0	0.04	0.01	0.01	228,45,45			1.00	0.04	0.96
2903	0.02	0.03	0.0	210,211,0	0.05	6.93e-03	0.01	228,214,215	0.17	228	0.87	0.06	0.94
	9.85e-03	5.53e-03	0.0	44,46,0	0.05	7.81e-03	7.81e-03	228,44,44			1.00	0.04	0.96
2904	0.03	0.03	0.0	214,215,0	0.05	3.36e-03	9.83e-03	228,212,212	0.17	228	0.87	0.06	0.94
	9.85e-03	7.43e-03	0.0	44,44,0	0.05	9.70e-03	9.70e-03	228,44,44			1.00	0.04	0.96
2905	0.03	0.03	0.0	214,215,0	0.04	6.03e-03	0.01	228,212,212	0.16	228	0.87	0.06	0.94
	0.01	7.96e-03	0.0	45,42,0	0.04	0.01	0.01	228,45,45			1.00	0.04	0.96
2906	0.07	0.08	0.0	47,42,0	0.03	0.01	0.04	228,44,42	0.13	228	0.87	0.06	0.94
	0.09	0.06	0.0	225,228,0	0.03	4.13e-03	4.13e-03	228,212,212			1.00	0.04	0.96
2907	0.07	0.08	0.0	47,42,0	0.03	0.01	0.04	228,44,42	0.14	228	0.87	0.06	0.94
	0.09	0.06	0.0	225,228,0	0.03	4.13e-03	4.13e-03	228,212,212			1.00	0.04	0.96
2908	0.06	0.08	0.0	47,42,0	0.03	0.02	0.04	228,45,42	0.13	228	0.87	0.06	0.94
	0.12	0.08	0.0	225,228,0	0.03	5.55e-03	5.55e-03	228,212,212			1.00	0.04	0.96
2909	0.06	0.08	0.0	47,42,0	0.03	0.02	0.04	228,45,42	0.13	228	0.87	0.06	0.94
	0.12	0.08	0.0	225,228,0	0.03	5.55e-03	5.55e-03	228,212,212			1.00	0.04	0.96
2910	0.04	0.05	0.0	47,42,0	0.04	6.55e-03	0.02	228,48,44	0.16	228	0.87	0.06	0.94
	0.06	0.04	0.0	225,228,0	0.04	0.01	0.01	228,45,45			1.00	0.04	0.96
2911	0.04	0.04	0.0	47,44,0	0.03	0.01	0.02	228,44,44	0.12	228	0.87	0.06	0.94
	0.08	0.05	0.0	225,228,0	0.03	9.70e-03	9.70e-03	228,45,45			1.00	0.04	0.96
2912	0.03	0.04	0.0	214,215,0	0.04	6.03e-03	0.02	228,212,212	0.16	228	0.87	0.06	0.94
	0.02	0.02	0.0	225,228,0	0.04	0.01	0.01	228,45,45			1.00	0.04	0.96
2913	0.03	0.04	0.0	214,215,0	0.03	9.26e-03	0.02	228,212,212	0.12	228	0.87	0.06	0.94
	0.03	0.02	0.0	225,228,0	0.03	9.70e-03	9.70e-03	228,45,45			1.00	0.04	0.96

2914	0.04	0.06	0.0	47,42,0	0.02	0.03	0.04	225,45,42	0.12	225	0.87	0.06	0.94
	0.12	0.08	0.0	225,228,0	0.02	5.55e-03	5.55e-03	225,212,212			1.00	0.04	0.96
2915	0.04	0.06	0.0	47,42,0	0.03	0.03	0.04	235,45,42	0.13	235	0.87	0.06	0.94
	0.12	0.08	0.0	225,228,0	0.03	5.55e-03	5.55e-03	235,212,212			1.00	0.04	0.96
2916	9.91e-03	0.02	0.0	47,42,0	0.02	0.03	0.03	225,45,42	0.12	225	0.87	0.06	0.94
	0.01	9.30e-03	0.0	44,45,0	0.02	4.60e-03	4.60e-03	225,45,45			1.00	0.04	0.96
2917	9.91e-03	0.02	0.0	47,42,0	0.03	0.03	0.03	235,45,42	0.13	235	0.87	0.06	0.94
	0.01	9.33e-03	0.0	44,215,0	0.03	4.60e-03	4.60e-03	235,45,45			1.00	0.04	0.96
2918	0.03	0.03	0.0	47,44,0	0.03	0.02	0.02	235,44,44	0.13	235	0.87	0.06	0.94
	0.08	0.05	0.0	225,228,0	0.03	8.46e-03	8.46e-03	235,45,45			1.00	0.04	0.96
2919	8.10e-03	0.02	0.0	47,44,0	0.03	0.02	0.02	235,44,44	0.13	235	0.87	0.06	0.94
	0.01	9.33e-03	0.0	214,215,0	0.03	7.88e-03	7.88e-03	235,45,45			1.00	0.04	0.96
2920	0.02	0.03	0.0	214,215,0	0.01	0.02	0.02	235,212,212	0.09	235	0.87	0.06	0.94
	0.03	0.02	0.0	225,228,0	0.01	8.46e-03	8.46e-03	235,45,45			1.00	0.04	0.96
2921	0.01	0.02	0.0	228,215,0	0.02	0.02	0.02	235,212,212	0.10	235	0.87	0.06	0.94
	0.01	0.01	0.0	209,212,0	0.02	7.88e-03	7.88e-03	235,45,45			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.12	0.08	0.0	0.05	0.03	0.04	0.18

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
73	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1683	7.82e-03	6.18e-03	0.0	214,215,0	0.06	8.22e-04	1.22e-03	212,70,216	0.18	212	0.56	0.09	0.91
	0.02	0.02	0.0	215,214,0	0.06	0.01	0.01	212,67,67			1.00	0.04	0.96
1701	2.04e-03	1.72e-03	0.0	234,235,0	0.06	1.12e-03	1.40e-03	212,72,66	0.18	212	0.56	0.09	0.91
	0.03	0.02	0.0	237,240,0	0.06	0.01	0.01	212,70,70			1.00	0.04	0.96
1716	7.82e-03	6.18e-03	0.0	214,215,0	0.06	8.22e-04	1.26e-03	212,70,66	0.19	212	0.56	0.09	0.91
	0.02	0.02	0.0	215,214,0	0.06	0.01	0.01	212,67,67			1.00	0.04	0.96
1735	6.58e-03	5.23e-03	0.0	214,215,0	0.06	5.59e-04	1.42e-03	212,233,67	0.19	212	0.56	0.09	0.91
	0.01	0.01	0.0	69,68,0	0.06	9.35e-03	9.35e-03	212,70,70			1.00	0.04	0.96
1739	5.54e-03	4.43e-03	0.0	210,211,0	0.06	1.12e-03	1.42e-03	212,72,67	0.19	212	0.56	0.09	0.91
	0.03	0.02	0.0	237,240,0	0.06	0.01	0.01	212,70,70			1.00	0.04	0.96
2191	7.82e-03	6.18e-03	0.0	214,215,0	0.06	1.24e-03	1.65e-03	212,240,239	0.19	212	0.56	0.09	0.91
	0.04	0.03	0.0	69,68,0	0.06	0.01	0.01	212,67,67			1.00	0.04	0.96
2192	0.02	0.02	0.0	210,211,0	0.06	9.18e-03	0.01	212,69,70	0.19	212	0.56	0.09	0.91
	0.04	0.03	0.0	69,68,0	0.06	0.02	0.02	212,71,71			1.00	0.04	0.96
2193	0.02	0.02	0.0	210,211,0	0.04	9.18e-03	0.01	212,69,70	0.15	212	0.56	0.09	0.91
	0.02	0.02	0.0	233,236,0	0.04	0.02	0.02	212,71,71			1.00	0.04	0.96
2194	6.61e-03	5.23e-03	0.0	209,215,0	0.06	5.59e-04	1.42e-03	212,233,67	0.19	212	0.56	0.09	0.91
	0.02	0.02	0.0	70,68,0	0.06	9.35e-03	9.35e-03	212,70,70			1.00	0.04	0.96
2195	0.03	0.02	0.0	216,213,0	0.06	3.24e-03	0.01	212,67,69	0.19	212	0.56	0.09	0.91
	0.02	0.02	0.0	70,68,0	0.06	5.34e-03	5.34e-03	212,70,70			1.00	0.04	0.96
2196	0.03	0.02	0.0	216,213,0	0.04	3.24e-03	0.01	212,67,69	0.15	212	0.56	0.09	0.91
	9.13e-03	6.75e-03	0.0	216,213,0	0.04	5.34e-03	5.34e-03	212,70,70			1.00	0.04	0.96
2197	9.73e-03	6.94e-03	0.0	209,212,0	0.06	1.17e-03	1.70e-03	212,240,236	0.19	212	0.56	0.09	0.91
	0.04	0.03	0.0	70,67,0	0.06	0.01	0.01	212,70,70			1.00	0.04	0.96
2198	0.04	0.03	0.0	212,209,0	0.06	9.42e-03	0.01	212,71,233	0.18	212	0.56	0.09	0.91
	0.04	0.03	0.0	70,67,0	0.06	0.02	0.02	212,70,70			1.00	0.04	0.96
2199	0.04	0.03	0.0	212,209,0	0.04	9.42e-03	0.01	212,71,233	0.15	212	0.56	0.09	0.91
	0.02	0.02	0.0	72,65,0	0.04	0.02	0.02	212,70,70			1.00	0.04	0.96
2204	7.82e-03	6.18e-03	0.0	214,215,0	0.06	1.24e-03	1.65e-03	212,240,239	0.18	212	0.56	0.09	0.91
	0.04	0.03	0.0	69,68,0	0.06	0.01	0.01	212,67,67			1.00	0.04	0.96
2205	0.02	0.02	0.0	210,211,0	0.05	9.18e-03	0.01	212,69,70	0.17	212	0.56	0.09	0.91
	0.04	0.03	0.0	69,68,0	0.05	0.02	0.02	212,71,71			1.00	0.04	0.96
2206	0.02	0.02	0.0	210,211,0	0.04	9.18e-03	0.01	212,69,70	0.15	212	0.56	0.09	0.91
	0.02	0.02	0.0	233,236,0	0.04	0.02	0.02	212,71,71			1.00	0.04	0.96
2233	0.04	0.03	0.0	212,209,0	0.04	9.42e-03	0.01	212,71,233	0.15	212	0.56	0.09	0.91
	0.02	0.02	0.0	72,65,0	0.04	0.02	0.02	212,70,70			1.00	0.04	0.96
2367	9.73e-03	6.94e-03	0.0	209,212,0	0.06	1.17e-03	1.70e-03	212,240,236	0.18	212	0.56	0.09	0.91
	0.04	0.03	0.0	70,67,0	0.06	0.01	0.01	212,70,70			1.00	0.04	0.96
2369	0.04	0.03	0.0	212,209,0	0.05	9.42e-03	0.01	212,71,233	0.17	212	0.56	0.09	0.91
	0.04	0.03	0.0	70,67,0	0.05	0.02	0.02	212,70,70			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.04	0.03	0.0	0.06	0.02	0.02	0.19

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
74	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.31	-77.2	187	0.18	45.8	186	0.27	-3576.2	2.189e+06	219

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1230	0.01	0.02	0.0	230,219,0	7.73e-04	0.01	0.01105,226,226		0.02	105	0.87	0.06	0.94
	6.93e-03	5.19e-03	0.0	226,227,0	7.73e-04	1.70e-03	1.70e-03105,226,226				1.00	0.04	0.96
1234	0.02	0.03	0.0	227,226,0	0.02	7.21e-03	0.01219,225,228		0.11	219	0.87	0.06	0.94
	0.03	1.84e-03	0.0	99,46,0	0.02	2.33e-03	2.33e-03 219,45,45				1.00	0.04	0.96
1235	0.03	0.03	0.0	219,218,0	3.95e-03	0.01	0.01219,227,226		0.05	219	0.87	0.06	0.94
	0.02	0.01	0.0	231,230,0	3.95e-03	5.36e-03	5.36e-03219,226,226				1.00	0.04	0.96
1237	0.03	0.03	0.0	219,218,0	0.01	0.01	0.01219,227,226		0.08	219	0.87	0.06	0.94
	0.02	0.01	0.0	231,230,0	0.01	5.95e-03	5.95e-03219,231,231				1.00	0.04	0.96
1239	0.02	0.03	0.0	219,218,0	0.02	9.59e-03	0.01219,227,230		0.10	219	0.87	0.06	0.94
	0.02	8.54e-03	0.0	225,228,0	0.02	5.95e-03	5.95e-03219,231,231				1.00	0.04	0.96
1241	0.01	0.02	0.0	219,107,0	0.02	6.98e-03	9.54e-03219,229,230		0.12	219	0.87	0.06	0.94
	0.01	2.37e-03	0.0	99,221,0	0.02	2.35e-03	2.35e-03219,232,232				1.00	0.04	0.96
1243	3.41e-03	0.02	0.0	231,107,0	0.02	6.54e-03	9.39e-03219,225,228		0.12	219	0.87	0.06	0.94
	0.02	0.0	0.0	27,0,0	0.02	1.18e-03	1.18e-03 219,46,46				1.00	0.04	0.96
1245	0.01	0.03	0.0	227,226,0	0.02	7.21e-03	0.01219,225,228		0.11	219	0.87	0.06	0.94
	0.02	1.68e-03	0.0	99,46,0	0.02	2.16e-03	2.16e-03 219,46,46				1.00	0.04	0.96
1246	0.02	0.02	0.0	229,232,0	1.32e-03	7.47e-03	0.01100,226,226		0.03	100	0.87	0.06	0.94
	3.66e-03	2.20e-03	0.0	227,226,0	1.32e-03	2.60e-03	2.60e-03100,227,227				1.00	0.04	0.96
1247	0.02	0.02	0.0	227,232,0	5.91e-04	6.10e-03	0.01100,226,226		0.02	100	0.87	0.06	0.94
	3.15e-03	1.18e-03	0.0	230,231,0	5.91e-04	1.02e-03	1.02e-03100,227,227				1.00	0.04	0.96
1278	0.02	0.02	0.0	227,226,0	0.03	6.54e-03	0.01219,231,230		0.13	219	0.87	0.06	0.94
	0.05	1.84e-03	0.0	99,46,0	0.03	2.33e-03	2.33e-03 219,45,45				1.00	0.04	0.96
1280	6.20e-03	0.01	0.0	227,219,0	0.03	6.32e-03	8.66e-03219,234,227		0.14	219	0.87	0.06	0.94
	0.07	0.0	0.0	100,0,0	0.03	9.78e-04	9.78e-04 219,45,45				1.00	0.04	0.96
1282	0.03	0.05	0.0	218,219,0	0.03	7.09e-03	0.01219,234,231		0.14	219	0.87	0.06	0.94
	0.09	0.0	0.0	100,0,0	0.03	4.30e-04	4.30e-04 219,46,46				1.00	0.04	0.96
1284	0.04	0.05	0.0	230,219,0	0.03	7.69e-03	0.01219,234,231		0.14	219	0.87	0.06	0.94
	0.09	0.0	0.0	100,0,0	0.03	4.77e-04	4.77e-04219,219,219				1.00	0.04	0.96
1286	0.04	0.04	0.0	230,105,0	1.90e-04	7.69e-03	0.01105,234,227		0.01	105	0.87	0.06	0.94
	0.06	0.0	0.0	99,0,0	1.89e-04	4.77e-04	4.77e-04105,219,219				1.00	0.04	0.96
1315	0.02	0.02	0.0	227,232,0	1.59e-04	3.15e-03	0.01229,231,2269.67e-03			229	0.87	0.06	0.94
	1.62e-03	6.28e-04	0.0	221,219,0	1.58e-04	2.50e-04	2.50e-04229,226,226				1.00	0.04	0.96
1316	0.02	0.02	0.0	226,227,0	1.49e-04	3.09e-03	0.01229,226,2279.04e-03			229	0.87	0.06	0.94
	1.10e-03	1.00e-03	0.0	218,231,0	1.38e-04	2.50e-04	2.50e-04229,226,226				1.00	0.04	0.96
2591	0.02	0.03	0.0	227,230,0	0.02	7.21e-03	0.01218,225,228		0.11	218	0.87	0.06	0.94
	0.05	8.31e-03	0.0	3,46,0	0.02	4.19e-03	4.19e-03 218,45,45				1.00	0.04	0.96
2592	0.03	0.03	0.0	231,218,0	3.95e-03	0.01	0.01219,227,226		0.05	219	0.87	0.06	0.94
	0.02	0.01	0.0	231,230,0	3.95e-03	5.36e-03	5.36e-03219,226,226				1.00	0.04	0.96
2593	0.02	0.03	0.0	227,230,0	0.02	2.75e-03	8.79e-03218,228,228		0.12	218	0.87	0.06	0.94
	0.05	0.02	0.0	3,46,0	0.02	4.42e-03	4.42e-03 218,47,47				1.00	0.04	0.96
2594	0.03	0.03	0.0	231,230,0	2.68e-03	6.10e-03	0.01219,226,226		0.04	219	0.87	0.06	0.94
	8.19e-03	2.48e-03	0.0	230,231,0	2.68e-03	1.02e-03	1.02e-03219,227,227				1.00	0.04	0.96
2595	0.02	0.03	0.0	227,230,0	0.02	1.16e-03	7.06e-03218,225,228		0.12	218	0.87	0.06	0.94
	0.04	0.02	0.0	43,42,0	0.02	4.94e-03	4.94e-03218,227,227				1.00	0.04	0.96
2596	0.03	0.03	0.0	231,230,0	1.84e-03	3.15e-03	0.01219,231,226		0.03	219	0.87	0.06	0.94
	4.22e-03	1.35e-03	0.0	221,219,0	1.84e-03	2.80e-04	2.80e-04219,226,226				1.00	0.04	0.96
2597	0.03	0.03	0.0	231,218,0	0.01	0.01	0.01219,227,226		0.08	219	0.87	0.06	0.94
	0.02	0.01	0.0	231,230,0	0.01	5.95e-03	5.95e-03219,231,231				1.00	0.04	0.96
2598	0.03	0.03	0.0	231,230,0	9.04e-03	5.59e-03	0.01219,227,226		0.07	219	0.87	0.06	0.94
	0.01	2.48e-03	0.0	99,231,0	9.04e-03	9.52e-04	9.52e-04219,229,229				1.00	0.04	0.96
2599	0.03	0.03	0.0	231,230,0	6.90e-03	2.79e-03	0.01219,225,230		0.06	219	0.87	0.06	0.94
	6.90e-03	1.35e-03	0.0	99,219,0	6.90e-03	4.76e-04	4.76e-04 219,43,43				1.00	0.04	0.96
2600	0.02	0.03	0.0	231,218,0	0.02	9.59e-03	0.01219,227,230		0.10	219	0.87	0.06	0.94
	0.02	8.54e-03	0.0	225,228,0	0.02	5.95e-03	5.95e-03219,231,231				1.00	0.04	0.96
2601	0.03	0.03	0.0	231,230,0	0.02	5.52e-03	0.01219,227,230		0.09	219	0.87	0.06	0.94
	0.02	1.51e-03	0.0	99,225,0	0.02	1.24e-03	1.24e-03219,226,226				1.00	0.04	0.96
2602	0.03	0.03	0.0	231,230,0	0.01	2.60e-03	0.01219,226,230		0.08	219	0.87	0.06	0.94
	0.01	1.79e-03	0.0	27,12,0	0.01	1.30e-03	1.30e-03 219,46,46				1.00	0.04	0.96

2603	0.01	0.02	0.0	231,230,0	0.02	6.98e-03	0.01219,229,230	0.12	219	0.87	0.06	0.94
	0.02	2.37e-03	0.0	27,221,0	0.02	2.35e-03	2.35e-03219,232,232			1.00	0.04	0.96
2604	0.02	0.02	0.0	231,230,0	0.02	5.26e-03	0.01219,227,230	0.10	219	0.87	0.06	0.94
	0.02	1.82e-03	0.0	27,46,0	0.02	2.26e-03	2.26e-03 219,46,46			1.00	0.04	0.96
2605	0.02	0.02	0.0	231,230,0	0.02	2.60e-03	9.80e-03219,226,228	0.09	219	0.87	0.06	0.94
	0.02	4.15e-03	0.0	43,46,0	0.02	2.48e-03	2.48e-03 219,42,42			1.00	0.04	0.96
2606	0.01	0.02	0.0	231,230,0	0.02	6.54e-03	0.01219,225,228	0.12	219	0.87	0.06	0.94
	0.03	1.81e-03	0.0	43,46,0	0.02	2.74e-03	2.74e-03 219,46,46			1.00	0.04	0.96
2607	0.01	0.02	0.0	231,230,0	0.02	4.66e-03	0.01219,225,228	0.10	219	0.87	0.06	0.94
	0.03	6.77e-03	0.0	43,46,0	0.02	3.46e-03	3.46e-03 219,46,46			1.00	0.04	0.96
2608	0.02	0.02	0.0	231,230,0	0.02	2.41e-03	9.26e-03219,228,228	0.09	219	0.87	0.06	0.94
	0.03	0.01	0.0	43,46,0	0.02	3.74e-03	3.74e-03 219,42,42			1.00	0.04	0.96
2609	0.02	0.03	0.0	231,230,0	0.02	7.21e-03	0.01219,225,228	0.11	219	0.87	0.06	0.94
	0.05	7.18e-03	0.0	43,46,0	0.02	4.04e-03	4.04e-03 219,46,46			1.00	0.04	0.96
2610	0.02	0.03	0.0	231,230,0	0.02	3.85e-03	9.23e-03218,225,228	0.11	218	0.87	0.06	0.94
	0.05	0.01	0.0	43,46,0	0.02	4.37e-03	4.37e-03 218,46,46			1.00	0.04	0.96
2611	0.02	0.03	0.0	231,230,0	0.02	1.57e-03	8.05e-03218,228,228	0.11	218	0.87	0.06	0.94
	0.04	0.02	0.0	43,42,0	0.02	4.94e-03	4.94e-03218,227,227			1.00	0.04	0.96
2614	0.02	0.02	0.0	226,227,0	2.14e-04	6.44e-03	0.01105,226,227	0.01	105	0.87	0.06	0.94
	1.02e-03	1.51e-03	0.0	228,225,0	2.14e-04	8.21e-04	8.21e-04105,226,226			1.00	0.04	0.96
2615	0.02	0.02	0.0	227,230,0	0.02	2.22e-03	7.27e-03218,225,228	0.11	218	0.87	0.06	0.94
	0.03	0.03	0.0	43,42,0	0.02	5.54e-03	5.54e-03218,227,227			1.00	0.04	0.96
2616	0.03	0.03	0.0	231,230,0	1.42e-03	3.09e-03	0.01219,226,227	0.03	219	0.87	0.06	0.94
	2.91e-03	1.70e-03	0.0	218,219,0	1.42e-03	4.69e-04	4.69e-04219,226,226			1.00	0.04	0.96
2617	0.02	0.02	0.0	227,230,0	0.02	3.29e-03	7.27e-03218,228,228	0.11	218	0.87	0.06	0.94
	0.03	0.03	0.0	47,44,0	0.02	5.70e-03	5.70e-03 218,44,44			1.00	0.04	0.96
2618	0.02	0.02	0.0	231,230,0	1.19e-03	6.44e-03	0.01219,226,227	0.03	219	0.87	0.06	0.94
	1.71e-03	2.18e-03	0.0	218,107,0	1.19e-03	8.21e-04	8.21e-04219,226,226			1.00	0.04	0.96
2619	0.03	0.03	0.0	231,230,0	5.68e-03	3.07e-03	0.01219,225,230	0.06	219	0.87	0.06	0.94
	3.31e-03	2.41e-03	0.0	218,105,0	5.68e-03	4.76e-04	4.76e-04 219,43,43			1.00	0.04	0.96
2620	0.02	0.02	0.0	231,230,0	4.94e-03	6.01e-03	0.01219,225,230	0.05	219	0.87	0.06	0.94
	1.87e-03	3.30e-03	0.0	230,107,0	4.94e-03	4.69e-04	4.69e-04219,226,226			1.00	0.04	0.96
2621	0.03	0.03	0.0	231,230,0	0.01	3.07e-03	0.01219,225,228	0.08	219	0.87	0.06	0.94
	5.75e-03	3.74e-03	0.0	43,9,0	0.01	1.30e-03	1.30e-03 219,46,46			1.00	0.04	0.96
2622	0.02	0.02	0.0	231,230,0	9.53e-03	6.01e-03	0.01219,225,228	0.07	219	0.87	0.06	0.94
	2.76e-03	4.53e-03	0.0	47,105,0	9.53e-03	1.16e-03	1.16e-03 219,46,46			1.00	0.04	0.96
2623	0.02	0.02	0.0	231,230,0	0.01	2.75e-03	9.84e-03219,225,228	0.09	219	0.87	0.06	0.94
	0.01	5.93e-03	0.0	43,42,0	0.01	2.48e-03	2.48e-03 219,42,42			1.00	0.04	0.96
2624	0.02	0.02	0.0	231,230,0	0.01	5.53e-03	0.01219,225,228	0.09	219	0.87	0.06	0.94
	7.43e-03	6.66e-03	0.0	47,33,0	0.01	2.29e-03	2.29e-03 219,42,42			1.00	0.04	0.96
2625	0.02	0.02	0.0	231,230,0	0.01	2.41e-03	8.94e-03218,225,228	0.09	218	0.87	0.06	0.94
	0.02	0.01	0.0	43,42,0	0.01	3.76e-03	3.76e-03 218,42,42			1.00	0.04	0.96
2626	0.01	0.02	0.0	225,230,0	0.01	4.83e-03	9.71e-03218,225,228	0.09	218	0.87	0.06	0.94
	0.02	0.01	0.0	47,42,0	0.01	3.76e-03	3.76e-03 218,42,42			1.00	0.04	0.96
2627	0.02	0.02	0.0	231,230,0	0.02	2.23e-03	7.99e-03218,225,228	0.10	218	0.87	0.06	0.94
	0.03	0.02	0.0	43,42,0	0.02	5.54e-03	5.54e-03218,227,227			1.00	0.04	0.96
2628	0.01	0.02	0.0	231,230,0	0.02	3.95e-03	8.39e-03218,228,228	0.10	218	0.87	0.06	0.94
	0.03	0.02	0.0	47,42,0	0.02	5.70e-03	5.70e-03 218,44,44			1.00	0.04	0.96
2629	0.02	0.02	0.0	226,231,0	7.73e-04	7.63e-03	0.01105,226,227	0.02	105	0.87	0.06	0.94
	3.83e-03	3.42e-03	0.0	228,225,0	7.73e-04	1.70e-03	1.70e-03105,226,226			1.00	0.04	0.96
2631	0.01	0.01	0.0	231,228,0	0.02	4.68e-03	7.02e-03218,226,228	0.10	218	0.87	0.06	0.94
	0.02	0.03	0.0	47,44,0	0.02	5.70e-03	5.70e-03 218,44,44			1.00	0.04	0.96
2632	0.02	0.02	0.0	231,230,0	1.04e-03	0.01	0.01219,226,227	0.02	219	0.87	0.06	0.94
	6.93e-03	5.19e-03	0.0	226,227,0	1.04e-03	1.70e-03	1.70e-03219,226,226			1.00	0.04	0.96
2633	3.05e-03	8.07e-03	0.0	227,107,0	0.01	4.68e-03	6.03e-03218,226,226	0.09	218	0.87	0.06	0.94
	3.31e-03	9.38e-03	0.0	47,35,0	0.01	1.11e-03	1.11e-03218,227,227			1.00	0.04	0.96
2634	5.28e-03	9.74e-03	0.0	231,105,0	9.11e-04	0.01	0.01219,226,226	0.02	219	0.87	0.06	0.94
	6.93e-03	5.19e-03	0.0	226,227,0	9.10e-04	1.10e-03	1.10e-03219,226,226			1.00	0.04	0.96
2635	0.02	0.02	0.0	231,230,0	4.44e-03	9.04e-03	0.01219,225,230	0.05	219	0.87	0.06	0.94
	1.67e-03	3.30e-03	0.0	230,107,0	4.44e-03	9.46e-04	9.46e-04219,226,226			1.00	0.04	0.96
2636	5.73e-03	9.50e-03	0.0	231,230,0	3.97e-03	9.04e-03	0.01219,225,228	0.05	219	0.87	0.06	0.94
	1.67e-03	2.09e-03	0.0	230,107,0	3.97e-03	9.46e-04	9.46e-04219,226,226			1.00	0.04	0.96
2637	0.02	0.02	0.0	231,230,0	8.81e-03	9.04e-03	0.01219,225,228	0.07	219	0.87	0.06	0.94
	1.67e-03	4.53e-03	0.0	230,105,0	8.81e-03	7.91e-04	7.91e-04 219,45,45			1.00	0.04	0.96
2638	5.73e-03	9.50e-03	0.0	231,230,0	8.15e-03	9.04e-03	0.01219,225,228	0.07	219	0.87	0.06	0.94
	1.67e-03	2.27e-03	0.0	230,107,0	8.15e-03	3.57e-04	3.57e-04219,229,229			1.00	0.04	0.96
2639	0.01	0.02	0.0	231,230,0	0.01	8.46e-03	0.01219,225,228	0.08	219	0.87	0.06	0.94
	3.47e-03	6.66e-03	0.0	47,33,0	0.01	1.67e-03	1.67e-03 219,42,42			1.00	0.04	0.96
2640	3.03e-03	0.01	0.0	231,107,0	0.01	8.46e-03	0.01219,225,228	0.08	219	0.87	0.06	0.94
	1.56e-03	3.10e-03	0.0	47,33,0	0.01	5.63e-04	5.63e-04 219,44,44			1.00	0.04	0.96
2641	9.51e-03	0.02	0.0	225,228,0	0.01	7.49e-03	9.71e-03219,228,228	0.09	219	0.87	0.06	0.94
	8.98e-03	0.01	0.0	47,42,0	0.01	3.13e-03	3.13e-03 219,42,42			1.00	0.04	0.96
2642	3.47e-03	0.01	0.0	225,107,0	0.01	7.49e-03	9.58e-03219,228,228	0.09	219	0.87	0.06	0.94
	3.27e-03	5.16e-03	0.0	47,42,0	0.01	1.00e-03	1.00e-03 219,42,42			1.00	0.04	0.96
2643	9.51e-03	0.02	0.0	225,228,0	0.02	6.28e-03	8.39e-03218,228,228	0.09	218	0.87	0.06	0.94

	0.02	0.02	0.0	47,42,0	0.02	5.70e-03	5.70e-03	218,44,44			1.00	0.04	0.96
2644	3.47e-03	0.01	0.0	225,107,0	0.01	6.28e-03	8.35e-03	219,228,228	0.09	219	0.87	0.06	0.94
	3.31e-03	7.00e-03	0.0	47,33,0	0.01	1.11e-03	1.11e-03	219,227,227			1.00	0.04	0.96
2647	0.02	0.03	0.0	227,226,0	0.03	6.54e-03	0.01	219,231,230	0.13	219	0.87	0.06	0.94
	0.06	8.31e-03	0.0	99,46,0	0.03	4.19e-03	4.19e-03	219,45,45			1.00	0.04	0.96
2648	0.02	0.03	0.0	227,226,0	0.02	3.51e-03	8.15e-03	218,239,230	0.12	218	0.87	0.06	0.94
	0.06	0.02	0.0	99,46,0	0.02	4.42e-03	4.42e-03	218,47,47			1.00	0.04	0.96
2649	0.02	0.03	0.0	227,226,0	0.02	1.37e-03	6.65e-03	218,235,234	0.12	218	0.87	0.06	0.94
	0.03	0.02	0.0	43,42,0	0.02	4.69e-03	4.69e-03	218,228,228			1.00	0.04	0.96
2650	0.01	0.02	0.0	227,231,0	0.03	6.32e-03	9.09e-03	219,234,227	0.14	219	0.87	0.06	0.94
	0.08	0.0	0.0	99,0,0	0.03	2.46e-03	2.46e-03	219,45,45			1.00	0.04	0.96
2651	0.02	0.02	0.0	227,231,0	0.02	4.26e-03	9.09e-03	218,234,227	0.12	218	0.87	0.06	0.94
	0.08	8.55e-03	0.0	99,46,0	0.02	3.18e-03	3.18e-03	218,47,47			1.00	0.04	0.96
2652	0.02	0.02	0.0	227,231,0	0.02	2.14e-03	8.25e-03	218,235,227	0.12	218	0.87	0.06	0.94
	0.02	0.01	0.0	43,42,0	0.02	3.45e-03	3.45e-03	218,47,47			1.00	0.04	0.96
2653	0.03	0.05	0.0	218,219,0	0.03	7.09e-03	0.01	219,234,231	0.14	219	0.87	0.06	0.94
	0.11	0.0	0.0	99,0,0	0.03	1.24e-03	1.24e-03	219,45,45			1.00	0.04	0.96
2654	0.02	0.05	0.0	218,219,0	0.02	4.78e-03	0.01	218,234,231	0.12	218	0.87	0.06	0.94
	0.11	3.00e-03	0.0	99,46,0	0.02	1.81e-03	1.81e-03	218,45,45			1.00	0.04	0.96
2655	0.02	0.04	0.0	226,231,0	0.02	2.45e-03	0.01	218,235,227	0.12	218	0.87	0.06	0.94
	0.02	6.91e-03	0.0	99,42,0	0.02	2.03e-03	2.03e-03	218,47,47			1.00	0.04	0.96
2656	0.04	0.05	0.0	230,219,0	0.09	7.69e-03	0.01	100,234,231	0.23	100	0.87	0.06	0.94
	0.11	0.0	0.0	99,0,0	0.09	4.87e-04	4.87e-04	100,46,46			1.00	0.04	0.96
2658	0.03	0.05	0.0	230,105,0	0.09	5.23e-03	0.01	100,234,231	0.23	100	0.87	0.06	0.94
	0.11	0.0	0.0	99,0,0	0.09	7.56e-04	7.56e-04	100,46,46			1.00	0.04	0.96
2659	0.02	0.06	0.0	230,105,0	0.03	2.62e-03	0.01	100,234,227	0.13	100	0.87	0.06	0.94
	0.02	3.67e-03	0.0	99,33,0	0.03	8.62e-04	8.62e-04	100,46,46			1.00	0.04	0.96
2660	0.04	0.05	0.0	230,105,0	0.09	7.69e-03	0.01	100,234,227	0.23	100	0.87	0.06	0.94
	0.07	0.0	0.0	99,0,0	0.09	4.77e-04	4.77e-04	100,219,219			1.00	0.04	0.96
2661	0.03	0.05	0.0	230,105,0	0.09	5.23e-03	0.01	100,234,227	0.23	100	0.87	0.06	0.94
	0.07	0.0	0.0	99,0,0	0.09	2.72e-04	2.72e-04	100,226,226			1.00	0.04	0.96
2662	0.02	0.06	0.0	230,105,0	0.03	2.62e-03	0.01	100,234,235	0.13	100	0.87	0.06	0.94
	0.01	2.10e-03	0.0	99,105,0	0.03	2.95e-04	2.95e-04	100,226,226			1.00	0.04	0.96
2663	0.02	0.02	0.0	227,226,0	0.02	2.13e-03	6.85e-03	218,225,226	0.12	218	0.87	0.06	0.94
	0.03	0.03	0.0	47,42,0	0.02	4.98e-03	4.98e-03	218,228,228			1.00	0.04	0.96
2664	0.02	0.02	0.0	227,226,0	0.02	3.74e-03	7.37e-03	218,235,226	0.11	218	0.87	0.06	0.94
	0.02	0.03	0.0	47,44,0	0.02	4.98e-03	4.98e-03	218,228,228			1.00	0.04	0.96
2665	0.02	0.02	0.0	227,227,0	0.02	2.19e-03	8.06e-03	218,234,227	0.12	218	0.87	0.06	0.94
	0.01	0.02	0.0	47,42,0	0.02	3.45e-03	3.45e-03	218,47,47			1.00	0.04	0.96
2666	0.02	0.02	0.0	226,227,0	0.02	4.47e-03	8.80e-03	218,235,235	0.11	218	0.87	0.06	0.94
	7.26e-03	0.03	0.0	47,107,0	0.02	3.34e-03	3.34e-03	218,43,43			1.00	0.04	0.96
2667	0.02	0.04	0.0	226,231,0	0.02	2.38e-03	0.01	218,234,227	0.11	218	0.87	0.06	0.94
	6.01e-03	0.01	0.0	47,33,0	0.02	2.03e-03	2.03e-03	218,47,47			1.00	0.04	0.96
2668	0.02	0.03	0.0	226,231,0	0.02	4.95e-03	0.01	218,235,235	0.11	218	0.87	0.06	0.94
	0.0	0.04	0.0	0,107,0	0.02	1.88e-03	1.88e-03	218,43,43			0.0	0.0	0.0
2669	0.02	0.07	0.0	230,105,0	0.02	2.57e-03	0.01	107,233,239	0.12	107	0.87	0.06	0.94
	4.71e-03	8.98e-03	0.0	7,105,0	0.02	8.62e-04	8.62e-04	107,46,46			1.00	0.04	0.96
2670	0.02	0.07	0.0	230,105,0	0.05	5.13e-03	0.01	107,233,239	0.17	107	0.87	0.06	0.94
	0.0	0.04	0.0	0,107,0	0.05	7.83e-04	7.83e-04	107,42,42			0.0	0.0	0.0
2671	0.02	0.07	0.0	230,105,0	0.02	2.57e-03	0.01	107,233,239	0.12	107	0.87	0.06	0.94
	2.26e-03	7.44e-03	0.0	103,105,0	0.02	2.95e-04	2.95e-04	107,226,226			1.00	0.04	0.96
2672	6.85e-03	0.07	0.0	230,105,0	0.05	5.13e-03	0.01	107,233,239	0.17	107	0.87	0.06	0.94
	0.0	0.04	0.0	0,107,0	0.05	2.72e-04	2.72e-04	107,228,228			0.0	0.0	0.0
2673	0.01	0.01	0.0	227,230,0	0.02	5.93e-03	7.50e-03	218,227,226	0.11	218	0.87	0.06	0.94
	0.01	0.03	0.0	45,44,0	0.02	4.79e-03	4.79e-03	218,43,43			1.00	0.04	0.96
2674	6.30e-03	5.78e-03	0.0	227,226,0	0.01	5.93e-03	7.50e-03	218,227,226	0.09	218	0.87	0.06	0.94
	0.0	0.01	0.0	0,35,0	0.01	9.80e-04	9.80e-04	218,44,44			0.0	0.0	0.0
2675	0.01	0.01	0.0	227,227,0	0.02	6.98e-03	8.80e-03	218,235,235	0.11	218	0.87	0.06	0.94
	0.0	0.03	0.0	0,107,0	0.02	2.66e-03	2.66e-03	218,44,44			0.0	0.0	0.0
2676	6.30e-03	6.56e-03	0.0	227,231,0	0.01	6.98e-03	8.78e-03	218,235,235	0.09	218	0.87	0.06	0.94
	0.0	0.02	0.0	0,107,0	0.01	9.80e-04	9.80e-04	218,44,44			0.0	0.0	0.0
2677	0.01	0.03	0.0	226,231,0	0.02	7.70e-03	0.01	218,234,235	0.10	218	0.87	0.06	0.94
	0.0	0.04	0.0	0,107,0	0.02	1.35e-03	1.35e-03	218,44,44			0.0	0.0	0.0
2678	4.56e-03	0.02	0.0	230,107,0	0.01	7.70e-03	0.01	218,234,235	0.08	218	0.87	0.06	0.94
	0.0	0.03	0.0	0,107,0	0.01	8.44e-04	8.44e-04	218,226,226			0.0	0.0	0.0
2679	0.01	0.07	0.0	230,105,0	0.05	7.70e-03	0.01	107,234,239	0.17	107	0.87	0.06	0.94
	0.0	0.04	0.0	0,107,0	0.05	5.38e-04	5.38e-04	107,42,42			0.0	0.0	0.0
2680	1.53e-03	0.07	0.0	230,105,0	6.67e-03	7.70e-03	0.01	218,234,237	0.06	218	0.87	0.06	0.94
	0.0	0.04	0.0	0,107,0	6.67e-03	5.07e-04	5.07e-04	218,228,228			0.0	0.0	0.0
2681	0.0	0.07	0.0	0,105,0	0.05	7.69e-03	0.01	107,239,239	0.17	107	0.0	0.0	0.0
	0.0	0.04	0.0	0,107,0	0.05	4.21e-04	4.21e-04	107,213,213			0.0	0.0	0.0
2682	0.0	0.07	0.0	0,105,0	6.39e-03	7.69e-03	0.01	107,239,237	0.06	107	0.0	0.0	0.0
	0.0	0.04	0.0	0,107,0	6.39e-03	4.21e-04	4.21e-04	107,213,213			0.0	0.0	0.0
2777	0.01	0.01	0.0	229,232,0	1.32e-03	7.47e-03	9.99e-03	100,226,226	0.03	100	0.87	0.06	0.94
	3.66e-03	2.20e-03	0.0	227,226,0	1.32e-03	2.60e-03	2.60e-03	100,227,227			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.11	0.07	0.0	0.09	0.01	0.01	0.23

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
75	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.36	-47.7	187	0.27	35.9	186	0.18	2328.8	-3.890e+05	236

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1214	7.50e-03	0.01	0.0	229,232,0	0.03	5.86e-03	8.37e-03	231,228,228	0.14	231	0.87	0.06	0.94
	4.68e-03	3.61e-03	0.0	227,226,0	0.03	2.16e-03	2.16e-03	231,227,227			1.00	0.04	0.96
1215	0.04	0.04	0.0	225,228,0	0.02	0.02	0.02	231,225,228	0.10	231	0.87	0.06	0.94
	0.02	0.01	0.0	233,225,0	0.02	8.74e-03	8.74e-03	231,233,233			1.00	0.04	0.96
1231	0.02	0.02	0.0	225,228,0	0.02	0.02	0.02	231,225,225	0.10	231	0.87	0.06	0.94
	0.02	0.01	0.0	225,225,0	0.02	1.79e-03	1.79e-03	231,233,233			1.00	0.04	0.96
1341	0.03	0.05	0.0	240,237,0	0.01	6.55e-03	0.01	221,228,233	0.08	221	0.87	0.06	0.94
	0.03	1.48e-03	0.0	99,240,0	0.01	2.51e-03	2.51e-03	221,4,4			1.00	0.04	0.96
1342	0.01	0.02	0.0	232,237,0	0.03	7.34e-03	0.01	231,231,225	0.14	231	0.87	0.06	0.94
	9.86e-03	5.96e-03	0.0	229,232,0	0.03	2.16e-03	2.16e-03	231,227,227			1.00	0.04	0.96
1344	0.01	0.02	0.0	232,237,0	0.03	8.19e-03	0.01	231,231,225	0.12	231	0.87	0.06	0.94
	9.86e-03	5.96e-03	0.0	229,232,0	0.02	1.29e-03	1.29e-03	231,237,237			1.00	0.04	0.96
1346	0.01	0.02	0.0	228,225,0	0.02	8.19e-03	0.01	219,231,225	0.12	219	0.87	0.06	0.94
	9.03e-03	4.40e-03	0.0	225,228,0	0.02	1.29e-03	1.29e-03	219,237,237			1.00	0.04	0.96
1348	6.66e-03	0.03	0.0	230,107,0	0.02	7.53e-03	0.01	219,225,225	0.12	219	0.87	0.06	0.94
	9.65e-03	2.55e-03	0.0	99,232,0	0.02	8.82e-04	8.82e-04	219,229,229			1.00	0.04	0.96
1350	9.45e-03	0.03	0.0	230,231,0	0.02	6.54e-03	0.01	219,230,231	0.12	219	0.87	0.06	0.94
	0.01	1.52e-03	0.0	99,232,0	0.02	8.82e-04	8.82e-04	219,229,229			1.00	0.04	0.96
1352	0.02	0.04	0.0	230,239,0	0.01	6.55e-03	0.01	219,228,225	0.09	219	0.87	0.06	0.94
	0.02	1.48e-03	0.0	99,240,0	0.01	2.51e-03	2.51e-03	219,4,4			1.00	0.04	0.96
1356	0.03	0.05	0.0	240,237,0	0.01	6.05e-03	0.01	221,236,233	0.08	221	0.87	0.06	0.94
	0.03	9.85e-04	0.0	99,46,0	0.01	1.74e-03	1.74e-03	221,44,44			1.00	0.04	0.96
2630	0.02	0.02	0.0	225,228,0	0.03	5.86e-03	8.54e-03	231,228,228	0.14	231	0.87	0.06	0.94
	8.96e-03	4.91e-03	0.0	229,232,0	0.03	4.46e-03	4.46e-03	231,227,227			1.00	0.04	0.96
2645	0.02	0.03	0.0	225,228,0	0.03	5.78e-03	0.01	231,225,228	0.13	231	0.87	0.06	0.94
	8.96e-03	5.44e-03	0.0	229,232,0	0.03	5.49e-03	5.49e-03	231,226,226			1.00	0.04	0.96
2646	0.04	0.03	0.0	225,228,0	0.03	9.64e-03	0.02	231,225,228	0.12	231	0.87	0.06	0.94
	8.86e-03	5.44e-03	0.0	229,232,0	0.03	5.49e-03	5.49e-03	231,226,226			1.00	0.04	0.96
2690	0.03	0.05	0.0	236,237,0	0.02	6.55e-03	0.01	221,228,233	0.10	221	0.87	0.06	0.94
	0.04	5.25e-03	0.0	99,46,0	0.02	3.68e-03	3.68e-03	221,18,18			1.00	0.04	0.96
2691	0.02	0.03	0.0	228,225,0	0.03	7.34e-03	0.01	231,231,225	0.14	231	0.87	0.06	0.94
	0.02	8.45e-03	0.0	229,232,0	0.03	4.46e-03	4.46e-03	231,227,227			1.00	0.04	0.96
2692	0.03	0.04	0.0	236,233,0	0.02	2.25e-03	9.31e-03	221,233,233	0.11	221	0.87	0.06	0.94
	0.04	0.01	0.0	99,46,0	0.02	5.04e-03	5.04e-03	221,225,225			1.00	0.04	0.96
2693	0.02	0.03	0.0	225,225,0	0.03	6.12e-03	0.01	231,225,225	0.13	231	0.87	0.06	0.94
	0.02	9.44e-03	0.0	229,232,0	0.03	5.49e-03	5.49e-03	231,226,226			1.00	0.04	0.96
2694	0.03	0.04	0.0	236,233,0	0.02	1.17e-03	7.64e-03	221,228,233	0.12	221	0.87	0.06	0.94
	0.03	0.01	0.0	43,46,0	0.02	6.55e-03	6.55e-03	221,226,226			1.00	0.04	0.96
2695	0.04	0.03	0.0	225,228,0	0.03	9.64e-03	0.02	231,225,228	0.12	231	0.87	0.06	0.94
	0.02	9.44e-03	0.0	229,232,0	0.03	5.49e-03	5.49e-03	231,226,226			1.00	0.04	0.96
2696	0.02	0.03	0.0	228,225,0	0.03	8.19e-03	0.01	231,231,225	0.12	231	0.87	0.06	0.94
	0.02	8.45e-03	0.0	229,232,0	0.02	1.44e-03	1.44e-03	231,231,231			1.00	0.04	0.96
2697	0.02	0.03	0.0	228,225,0	0.02	6.12e-03	0.01	231,225,225	0.12	231	0.87	0.06	0.94
	0.02	9.44e-03	0.0	229,232,0	0.02	1.67e-03	1.67e-03	231,233,233			1.00	0.04	0.96
2698	0.03	0.03	0.0	228,225,0	0.02	4.55e-03	0.01	231,225,225	0.11	231	0.87	0.06	0.94
	0.02	9.44e-03	0.0	229,232,0	0.02	1.88e-03	1.88e-03	231,233,233			1.00	0.04	0.96
2699	0.02	0.03	0.0	228,225,0	0.02	8.19e-03	0.01	219,231,225	0.12	219	0.87	0.06	0.94
	0.02	6.67e-03	0.0	229,232,0	0.02	1.44e-03	1.44e-03	219,231,231			1.00	0.04	0.96
2700	0.02	0.03	0.0	228,225,0	0.02	5.67e-03	0.01	219,225,225	0.11	219	0.87	0.06	0.94
	0.02	6.73e-03	0.0	229,232,0	0.02	1.61e-03	1.61e-03	219,225,225			1.00	0.04	0.96
2701	0.02	0.03	0.0	228,225,0	0.02	2.85e-03	0.01	219,225,225	0.11	219	0.87	0.06	0.94
	0.01	6.73e-03	0.0	229,232,0	0.02	1.61e-03	1.61e-03	219,225,225			1.00	0.04	0.96
2702	0.01	0.03	0.0	228,107,0	0.02	7.53e-03	0.01	219,225,225	0.12	219	0.87	0.06	0.94
	0.02	3.48e-03	0.0	99,232,0	0.02	1.29e-03	1.29e-03	219,225,225			1.00	0.04	0.96
2703	0.02	0.03	0.0	228,231,0	0.02	5.17e-03	0.01	219,227,225	0.11	219	0.87	0.06	0.94
	0.02	4.14e-03	0.0	99,232,0	0.02	1.60e-03	1.60e-03	219,42,42			1.00	0.04	0.96
2704	0.02	0.03	0.0	228,225,0	0.02	2.22e-03	9.77e-03	219,226,225	0.11	219	0.87	0.06	0.94

	0.01	4.18e-03	0.0	99,226,0	0.02	1.85e-03	1.85e-03	219,42,42			1.00	0.04	0.96
2705	0.01	0.03	0.0	230,231,0	0.02	6.54e-03	0.01219,230,231		0.12	219	0.87	0.06	0.94
	0.03	2.03e-03	0.0	99,46,0	0.02	2.04e-03	2.04e-03219,229,229				1.00	0.04	0.96
2706	0.02	0.03	0.0	230,231,0	0.02	4.41e-03	0.01219,226,231		0.11	219	0.87	0.06	0.94
	0.03	5.12e-03	0.0	99,46,0	0.02	2.66e-03	2.66e-03219,225,225				1.00	0.04	0.96
2707	0.02	0.03	0.0	230,225,0	0.02	1.81e-03	9.17e-03219,227,225		0.10	219	0.87	0.06	0.94
	0.02	7.24e-03	0.0	3,46,0	0.02	3.07e-03	3.07e-03219,232,232				1.00	0.04	0.96
2708	0.02	0.04	0.0	228,239,0	0.01	6.55e-03	0.01219,228,225		0.09	219	0.87	0.06	0.94
	0.04	4.73e-03	0.0	99,46,0	0.01	3.68e-03	3.68e-03 219,18,18				1.00	0.04	0.96
2709	0.02	0.04	0.0	228,225,0	0.01	3.46e-03	9.17e-03219,226,231		0.08	219	0.87	0.06	0.94
	0.04	9.83e-03	0.0	99,46,0	0.01	5.04e-03	5.04e-03219,225,225				1.00	0.04	0.96
2710	0.02	0.04	0.0	228,225,0	0.01	1.30e-03	7.82e-03221,227,231		0.08	221	0.87	0.06	0.94
	0.03	0.01	0.0	229,46,0	0.01	6.34e-03	6.34e-03221,228,228				1.00	0.04	0.96
2711	0.05	0.04	0.0	225,228,0	0.02	9.64e-03	0.02231,225,228		0.11	231	0.87	0.06	0.94
	0.01	5.95e-03	0.0	233,233,0	0.02	8.82e-03	8.82e-03231,233,233				1.00	0.04	0.96
2712	0.05	0.04	0.0	225,228,0	0.02	0.01	0.02231,225,228		0.11	231	0.87	0.06	0.94
	0.02	0.01	0.0	233,233,0	0.02	8.82e-03	8.82e-03231,233,233				1.00	0.04	0.96
2714	0.03	0.05	0.0	236,237,0	0.02	6.05e-03	0.01221,236,233		0.10	221	0.87	0.06	0.94
	0.04	5.25e-03	0.0	99,46,0	0.02	2.98e-03	2.98e-03 221,44,44				1.00	0.04	0.96
2715	0.03	0.04	0.0	236,233,0	0.02	2.25e-03	9.31e-03221,233,233		0.11	221	0.87	0.06	0.94
	0.04	0.01	0.0	99,46,0	0.02	5.00e-03	5.00e-03221,227,227				1.00	0.04	0.96
2716	0.03	0.04	0.0	236,233,0	0.02	1.05e-03	7.64e-03221,228,233		0.12	221	0.87	0.06	0.94
	0.03	0.01	0.0	43,46,0	0.02	6.55e-03	6.55e-03221,226,226				1.00	0.04	0.96
2717	0.02	0.03	0.0	236,233,0	0.02	1.97e-03	7.20e-03221,228,233		0.12	221	0.87	0.06	0.94
	0.02	0.02	0.0	43,42,0	0.02	6.71e-03	6.71e-03221,226,226				1.00	0.04	0.96
2718	0.05	0.04	0.0	225,228,0	0.02	9.64e-03	0.02231,225,228		0.11	231	0.87	0.06	0.94
	0.02	9.91e-03	0.0	233,233,0	0.02	8.82e-03	8.82e-03231,233,233				1.00	0.04	0.96
2719	0.02	0.03	0.0	236,233,0	0.02	2.65e-03	7.17e-03221,228,233		0.11	221	0.87	0.06	0.94
	0.02	0.02	0.0	43,42,0	0.02	6.71e-03	6.71e-03221,226,226				1.00	0.04	0.96
2720	0.05	0.04	0.0	225,228,0	0.02	0.01	0.02231,225,228		0.11	231	0.87	0.06	0.94
	0.02	0.01	0.0	233,233,0	0.02	8.82e-03	8.82e-03231,233,233				1.00	0.04	0.96
2721	0.03	0.03	0.0	228,225,0	0.02	3.48e-03	0.01231,225,225		0.11	231	0.87	0.06	0.94
	0.02	9.91e-03	0.0	233,233,0	0.02	2.66e-03	2.66e-03231,233,233				1.00	0.04	0.96
2722	0.02	0.03	0.0	228,225,0	0.02	6.47e-03	0.01231,225,225		0.11	231	0.87	0.06	0.94
	0.02	0.01	0.0	233,233,0	0.02	3.57e-03	3.57e-03231,225,225				1.00	0.04	0.96
2723	0.02	0.03	0.0	228,225,0	0.02	3.48e-03	0.01219,225,225		0.10	219	0.87	0.06	0.94
	0.01	4.77e-03	0.0	233,233,0	0.02	2.66e-03	2.66e-03219,233,233				1.00	0.04	0.96
2724	0.02	0.03	0.0	228,225,0	0.02	5.84e-03	0.01231,225,225		0.10	231	0.87	0.06	0.94
	0.01	6.64e-03	0.0	233,233,0	0.02	3.57e-03	3.57e-03231,225,225				1.00	0.04	0.96
2725	0.02	0.03	0.0	228,225,0	0.02	3.04e-03	9.80e-03219,225,225		0.10	219	0.87	0.06	0.94
	9.54e-03	4.62e-03	0.0	3,230,0	0.02	1.85e-03	1.85e-03 219,42,42				1.00	0.04	0.96
2726	0.01	0.02	0.0	228,227,0	0.02	4.85e-03	9.80e-03219,230,225		0.10	219	0.87	0.06	0.94
	5.75e-03	4.65e-03	0.0	231,230,0	0.02	1.90e-03	1.90e-03219,233,233				1.00	0.04	0.96
2727	0.02	0.03	0.0	228,225,0	0.02	2.45e-03	8.75e-03219,228,227		0.10	219	0.87	0.06	0.94
	0.01	7.83e-03	0.0	43,42,0	0.02	3.26e-03	3.26e-03219,226,226				1.00	0.04	0.96
2728	0.01	0.02	0.0	226,227,0	0.01	4.18e-03	8.97e-03219,230,227		0.09	219	0.87	0.06	0.94
	9.89e-03	7.83e-03	0.0	47,42,0	0.01	3.26e-03	3.26e-03219,226,226				1.00	0.04	0.96
2729	0.02	0.03	0.0	228,225,0	0.01	2.10e-03	7.18e-03221,228,231		0.08	221	0.87	0.06	0.94
	0.02	0.01	0.0	43,42,0	0.01	6.60e-03	6.60e-03221,232,232				1.00	0.04	0.96
2730	0.01	0.03	0.0	228,225,0	0.01	3.32e-03	7.25e-03221,230,231		0.08	221	0.87	0.06	0.94
	0.02	0.01	0.0	43,42,0	0.01	6.60e-03	6.60e-03221,232,232				1.00	0.04	0.96
2733	0.02	0.03	0.0	236,233,0	0.02	1.87e-03	7.20e-03221,236,233		0.12	221	0.87	0.06	0.94
	0.02	0.02	0.0	43,42,0	0.02	6.71e-03	6.71e-03221,226,226				1.00	0.04	0.96
2734	0.02	0.03	0.0	236,233,0	0.02	2.65e-03	7.17e-03221,228,233		0.11	221	0.87	0.06	0.94
	0.02	0.02	0.0	231,42,0	0.02	6.71e-03	6.71e-03221,226,226				1.00	0.04	0.96
2735	0.01	0.02	0.0	236,233,0	0.02	4.50e-03	6.89e-03221,225,233		0.11	221	0.87	0.06	0.94
	0.01	0.01	0.0	47,42,0	0.02	6.06e-03	6.06e-03221,226,226				1.00	0.04	0.96
2736	0.04	0.04	0.0	225,228,0	0.02	0.02	0.02231,225,228		0.11	231	0.87	0.06	0.94
	0.02	0.01	0.0	233,233,0	0.02	8.74e-03	8.74e-03231,233,233				1.00	0.04	0.96
2737	1.73e-03	0.02	0.0	240,107,0	0.02	4.50e-03	6.56e-03221,225,225		0.10	221	0.87	0.06	0.94
	5.21e-03	3.09e-03	0.0	43,230,0	0.02	1.74e-03	1.74e-03221,226,226				1.00	0.04	0.96
2738	2.27e-03	0.02	0.0	225,107,0	0.02	0.02	0.02231,225,225		0.11	231	0.87	0.06	0.94
	0.01	7.21e-03	0.0	233,226,0	0.02	1.93e-03	1.93e-03231,231,231				1.00	0.04	0.96
2739	0.02	0.02	0.0	228,225,0	0.02	0.01	0.02231,225,225		0.11	231	0.87	0.06	0.94
	0.02	0.01	0.0	233,233,0	0.02	3.57e-03	3.57e-03231,225,225				1.00	0.04	0.96
2740	1.65e-03	0.02	0.0	228,105,0	0.02	0.01	0.02231,225,225		0.11	231	0.87	0.06	0.94
	0.01	6.87e-03	0.0	233,236,0	0.02	2.76e-03	2.76e-03231,233,233				1.00	0.04	0.96
2741	0.01	0.02	0.0	228,105,0	0.02	8.35e-03	0.01231,225,225		0.10	231	0.87	0.06	0.94
	0.01	6.64e-03	0.0	233,233,0	0.02	3.57e-03	3.57e-03231,225,225				1.00	0.04	0.96
2742	0.0	0.02	0.0	0,105,0	0.02	8.35e-03	0.01231,225,225		0.10	231	0.0	0.0	0.0
	8.74e-03	4.13e-03	0.0	233,236,0	0.02	2.76e-03	2.76e-03231,233,233				1.00	0.04	0.96
2743	7.75e-03	0.02	0.0	228,107,0	0.02	7.01e-03	9.75e-03219,230,231		0.09	219	0.87	0.06	0.94
	5.96e-03	4.65e-03	0.0	231,230,0	0.02	1.90e-03	1.90e-03219,233,233				1.00	0.04	0.96
2744	0.0	0.02	0.0	0,107,0	0.01	7.01e-03	9.16e-03219,230,225		0.09	219	0.0	0.0	0.0
	5.96e-03	3.54e-03	0.0	231,230,0	0.01	1.44e-03	1.44e-03219,233,233				1.00	0.04	0.96

2745	6.47e-03	0.02	0.0	226,107,0	0.01	6.69e-03	8.97e-03	219,226,227	0.09	219	0.87	0.06	0.94
	7.02e-03	6.78e-03	0.0	231,42,0	0.01	2.61e-03	2.61e-03	219,226,226			1.00	0.04	0.96
2746	0.0	0.02	0.0	0,107,0	0.01	6.69e-03	8.74e-03	219,226,227	0.09	219	0.0	0.0	0.0
	7.02e-03	3.54e-03	0.0	231,230,0	0.01	7.81e-04	7.81e-04	219,233,233			1.00	0.04	0.96
2747	6.15e-03	0.02	0.0	230,107,0	0.01	5.30e-03	7.25e-03	221,231,231	0.08	221	0.87	0.06	0.94
	0.01	0.01	0.0	47,42,0	0.01	6.06e-03	6.06e-03	221,226,226			1.00	0.04	0.96
2748	0.0	0.02	0.0	0,107,0	9.97e-03	5.30e-03	6.91e-03	221,231,231	0.08	221	0.0	0.0	0.0
	7.02e-03	3.37e-03	0.0	231,230,0	9.97e-03	1.74e-03	1.74e-03	221,226,226			1.00	0.04	0.96
2751	0.01	0.02	0.0	236,233,0	0.02	4.40e-03	6.89e-03	221,225,233	0.11	221	0.87	0.06	0.94
	9.90e-03	0.01	0.0	47,42,0	0.02	4.87e-03	4.87e-03	221,226,226			1.00	0.04	0.96
2752	1.73e-03	0.02	0.0	240,107,0	0.02	4.40e-03	6.56e-03	221,225,225	0.10	221	0.87	0.06	0.94
	4.19e-03	3.09e-03	0.0	231,230,0	0.02	1.11e-03	1.11e-03	221,228,228			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.05	0.05	0.0	0.03	0.02	0.02	0.14

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
76	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.43	-4.3	201	0.19	1.8	203	0.27	2513.3	-2.267e+04	233

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
542	0.06	0.07	0.0	237,240,0	7.97e-03	0.03	0.04236,221,218		0.07	236	0.87	0.06	0.94
	0.13	0.09	0.0	44,45,0	7.91e-03	0.09	0.09 236,45,45				1.00	0.04	0.96
1207	0.06	0.07	0.0	237,240,0	7.97e-03	0.03	0.04236,221,218		0.07	236	0.87	0.06	0.94
	0.13	0.09	0.0	44,45,0	7.91e-03	0.09	0.09 236,45,45				1.00	0.04	0.96
1208	0.03	0.04	0.0	231,236,0	5.51e-03	0.01	0.02236,218,218		0.06	236	0.87	0.06	0.94
	0.04	0.03	0.0	45,46,0	5.50e-03	0.03	0.03 236,45,45				1.00	0.04	0.96
1209	0.02	0.03	0.0	239,236,0	3.81e-03	6.29e-03	0.01 236,45,44		0.05	236	0.87	0.06	0.94
	0.03	0.02	0.0	45,42,0	3.81e-03	0.02	0.02 236,44,44				1.00	0.04	0.96
1213	0.06	0.07	0.0	237,240,0	7.97e-03	0.03	0.04236,221,218		0.07	236	0.87	0.06	0.94
	0.13	0.09	0.0	44,45,0	7.91e-03	0.09	0.09 236,45,45				1.00	0.04	0.96
1226	2.47e-03	0.02	0.0	234,100,0	2.68e-03	3.98e-03	6.70e-03	236,45,44	0.04	236	0.87	0.06	0.94
	0.03	0.02	0.0	44,44,0	2.68e-03	0.02	0.02 236,44,44				1.00	0.04	0.96
1227	0.0	0.02	0.0	0,100,0	1.93e-03	2.55e-03	4.75e-03	236,46,100	0.03	236	0.0	0.0	0.0
	0.03	0.02	0.0	44,44,0	1.93e-03	0.02	0.02 236,44,44				1.00	0.04	0.96
1242	0.0	0.02	0.0	0,100,0	1.32e-03	4.58e-03	7.11e-03	235,18,18	0.03	235	0.0	0.0	0.0
	0.03	0.02	0.0	44,44,0	1.32e-03	0.02	0.02 235,44,44				1.00	0.04	0.96
1243	0.0	0.02	0.0	0,100,0	1.32e-03	4.58e-03	7.11e-03	235,18,18	0.03	235	0.0	0.0	0.0
	2.79e-03	4.82e-03	0.0	45,44,0	1.32e-03	1.74e-03	1.74e-03	235,43,43			1.00	0.04	0.96
1317	0.06	0.07	0.0	237,240,0	7.97e-03	0.03	0.04236,221,218		0.07	236	0.87	0.06	0.94
	0.13	0.09	0.0	44,45,0	7.91e-03	0.09	0.09 236,45,45				1.00	0.04	0.96
1335	0.03	0.04	0.0	231,236,0	5.51e-03	0.01	0.02236,218,218		0.06	236	0.87	0.06	0.94
	0.04	0.03	0.0	45,46,0	5.50e-03	0.03	0.03 236,45,45				1.00	0.04	0.96
1336	0.02	0.03	0.0	239,236,0	3.81e-03	6.29e-03	0.01 236,45,44		0.05	236	0.87	0.06	0.94
	0.03	0.02	0.0	45,42,0	3.81e-03	0.02	0.02 236,44,44				1.00	0.04	0.96
1353	2.47e-03	0.02	0.0	234,100,0	2.68e-03	3.98e-03	6.70e-03	236,45,44	0.04	236	0.87	0.06	0.94
	0.03	0.02	0.0	44,44,0	2.68e-03	0.02	0.02 236,44,44				1.00	0.04	0.96
1354	0.0	0.02	0.0	0,100,0	1.93e-03	2.55e-03	4.75e-03	236,46,100	0.03	236	0.0	0.0	0.0
	0.03	0.02	0.0	44,44,0	1.93e-03	0.02	0.02 236,44,44				1.00	0.04	0.96
2612	0.0	0.02	0.0	0,100,0	1.32e-03	4.58e-03	7.11e-03	235,18,18	0.03	235	0.0	0.0	0.0
	0.03	0.02	0.0	44,44,0	1.32e-03	0.02	0.02 235,44,44				1.00	0.04	0.96
2613	0.0	0.02	0.0	0,100,0	1.32e-03	4.58e-03	7.11e-03	235,18,18	0.03	235	0.0	0.0	0.0
	2.79e-03	4.82e-03	0.0	45,44,0	1.32e-03	1.74e-03	1.74e-03	235,43,43			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.13	0.09	0.0	7.97e-03	0.09	0.09	0.07

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
77	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb

			kN			kN			kN	kN m	
ok	0.47		-23.0	180	0.34	17.0	180	0.09	-31.5	-2.478e+05	215

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
445	0.04	0.03	0.0	209,212,0	0.04	0.02	0.02	209,68,68	0.15	209	0.87	0.06	0.94
	0.01	0.01	0.0	226,227,0	0.04	9.60e-04	9.60e-04	209,227,227			1.00	0.04	0.96
446	0.03	0.03	0.0	212,209,0	0.04	0.02	0.03	209,68,67	0.15	209	0.87	0.06	0.94
	0.03	0.02	0.0	232,229,0	0.04	4.23e-03	4.23e-03	209,229,229			1.00	0.04	0.96
1429	0.03	0.03	0.0	209,212,0	7.21e-03	0.02	0.03	99,67,71	0.07	99	0.87	0.06	0.94
	0.05	0.03	0.0	214,215,0	7.21e-03	6.51e-03	6.51e-03	99,215,215			1.00	0.04	0.96
1433	0.04	0.03	0.0	209,212,0	0.03	0.02	0.03	209,68,69	0.13	209	0.87	0.06	0.94
	0.01	0.01	0.0	226,229,0	0.03	8.28e-04	8.28e-04	209,69,69			1.00	0.04	0.96
1604	0.03	0.03	0.0	209,212,0	7.21e-03	0.02	0.03	99,67,71	0.07	99	0.87	0.06	0.94
	0.05	0.03	0.0	214,215,0	7.21e-03	6.51e-03	6.51e-03	99,215,215			1.00	0.04	0.96
1613	0.03	0.02	0.0	215,214,0	1.02e-04	0.02	0.03	69,68,69	6.14e-03	212	0.87	0.06	0.94
	9.86e-03	7.30e-03	0.0	226,227,0	6.39e-05	8.28e-04	8.28e-04	212,69,69			1.00	0.04	0.96
2344	0.05	0.04	0.0	66,212,0	0.01	0.02	0.03	209,67,71	0.08	209	0.87	0.06	0.94
	0.05	0.03	0.0	214,215,0	0.01	6.51e-03	6.51e-03	209,215,215			1.00	0.04	0.96
2575	0.05	0.03	0.0	68,212,0	0.04	0.02	0.02	209,68,68	0.15	209	0.87	0.06	0.94
	0.01	0.01	0.0	226,227,0	0.04	9.60e-04	9.60e-04	209,227,227			1.00	0.04	0.96
2576	0.07	0.04	0.0	68,69,0	0.04	0.02	0.02	209,66,66	0.15	209	0.87	0.06	0.94
	0.01	0.01	0.0	212,209,0	0.04	8.30e-04	8.30e-04	209,234,234			1.00	0.04	0.96
2577	0.05	0.04	0.0	68,67,0	0.04	0.02	0.03	209,68,67	0.15	209	0.87	0.06	0.94
	0.03	0.02	0.0	232,229,0	0.04	4.23e-03	4.23e-03	209,229,229			1.00	0.04	0.96
2578	0.07	0.05	0.0	68,71,0	0.04	0.02	0.03	209,68,67	0.15	209	0.87	0.06	0.94
	0.01	0.01	0.0	212,209,0	0.04	7.91e-04	7.91e-04	209,240,240			1.00	0.04	0.96
2579	0.07	0.05	0.0	68,69,0	0.03	7.42e-03	0.01	209,66,236	0.13	209	0.87	0.06	0.94
	6.97e-03	5.83e-03	0.0	233,236,0	0.03	1.51e-03	1.51e-03	209,236,236			1.00	0.04	0.96
2580	0.07	0.05	0.0	66,71,0	0.03	7.34e-03	0.03	209,68,71	0.13	209	0.87	0.06	0.94
	6.97e-03	5.83e-03	0.0	233,236,0	0.03	1.55e-03	1.55e-03	209,238,238			1.00	0.04	0.96
2581	0.07	0.05	0.0	68,69,0	0.02	8.83e-03	0.01	209,69,233	0.12	209	0.87	0.06	0.94
	0.02	0.02	0.0	228,225,0	0.02	1.51e-03	1.51e-03	209,236,236			1.00	0.04	0.96
2582	0.07	0.05	0.0	66,71,0	0.02	8.94e-03	0.03	209,69,71	0.12	209	0.87	0.06	0.94
	0.04	0.04	0.0	209,212,0	0.02	1.55e-03	1.55e-03	209,238,238			1.00	0.04	0.96
2583	0.07	0.04	0.0	68,69,0	0.01	0.02	0.02	209,68,68	0.09	209	0.87	0.06	0.94
	0.03	0.02	0.0	228,225,0	0.01	8.82e-04	8.82e-04	209,69,69			1.00	0.04	0.96
2584	0.07	0.04	0.0	66,71,0	0.01	0.02	0.03	209,66,71	0.09	209	0.87	0.06	0.94
	0.04	0.04	0.0	209,212,0	0.01	7.27e-04	7.27e-04	209,69,69			1.00	0.04	0.96
2585	0.05	0.03	0.0	68,69,0	9.52e-03	0.02	0.02	212,68,68	0.07	212	0.87	0.06	0.94
	0.03	0.02	0.0	228,225,0	9.52e-03	1.29e-03	1.29e-03	212,68,68			1.00	0.04	0.96
2586	0.05	0.03	0.0	66,71,0	9.52e-03	0.02	0.02	212,68,68	0.07	212	0.87	0.06	0.94
	0.03	0.03	0.0	209,212,0	9.52e-03	3.25e-03	3.25e-03	212,234,234			1.00	0.04	0.96
2587	0.02	0.01	0.0	68,69,0	9.52e-03	0.02	0.02	212,68,68	0.07	212	0.87	0.06	0.94
	0.03	0.02	0.0	214,211,0	9.52e-03	1.29e-03	1.29e-03	212,68,68			1.00	0.04	0.96
2588	0.03	0.01	0.0	66,69,0	9.52e-03	0.02	0.02	212,68,68	0.07	212	0.87	0.06	0.94
	0.03	0.02	0.0	226,211,0	9.52e-03	3.25e-03	3.25e-03	212,234,234			1.00	0.04	0.96
2803	0.07	0.05	0.0	66,71,0	0.01	0.02	0.03	209,69,71	0.08	209	0.87	0.06	0.94
	0.01	0.01	0.0	212,209,0	0.01	9.71e-04	9.71e-04	209,210,210			1.00	0.04	0.96
2804	0.07	0.06	0.0	66,215,0	0.01	7.34e-03	0.03	209,68,71	0.08	209	0.87	0.06	0.94
	9.84e-03	7.29e-03	0.0	212,209,0	0.01	1.55e-03	1.55e-03	209,238,238			1.00	0.04	0.96
2805	0.07	0.06	0.0	66,212,0	0.02	9.54e-03	0.03	212,68,71	0.10	212	0.87	0.06	0.94
	0.05	0.04	0.0	209,212,0	0.02	3.83e-03	3.83e-03	212,234,234			1.00	0.04	0.96
2806	0.05	0.03	0.0	68,69,0	0.03	0.02	0.03	209,68,69	0.13	209	0.87	0.06	0.94
	0.01	0.01	0.0	212,209,0	0.03	8.28e-04	8.28e-04	209,69,69			1.00	0.04	0.96
2807	0.07	0.05	0.0	68,69,0	0.02	0.02	0.03	209,70,69	0.12	209	0.87	0.06	0.94
	0.01	0.01	0.0	212,209,0	0.02	8.30e-04	8.30e-04	209,234,234			1.00	0.04	0.96
2808	0.07	0.05	0.0	68,69,0	0.02	7.59e-03	0.03	209,69,69	0.11	209	0.87	0.06	0.94
	7.85e-03	5.53e-03	0.0	209,212,0	0.02	1.51e-03	1.51e-03	209,236,236			1.00	0.04	0.96
2815	0.07	0.06	0.0	214,212,0	0.02	0.02	0.03	212,69,71	0.10	212	0.87	0.06	0.94
	0.10	0.08	0.0	209,212,0	0.02	3.83e-03	3.83e-03	212,234,234			1.00	0.04	0.96
2816	0.06	0.05	0.0	209,212,0	7.62e-03	0.02	0.03	212,68,71	0.07	212	0.87	0.06	0.94
	0.10	0.08	0.0	209,212,0	7.61e-03	4.48e-03	4.48e-03	212,226,226			1.00	0.04	0.96
2817	0.07	0.05	0.0	68,69,0	0.02	9.13e-03	0.03	209,67,69	0.10	209	0.87	0.06	0.94
	0.05	0.04	0.0	212,209,0	0.02	4.04e-03	4.04e-03	209,233,233			1.00	0.04	0.96
2818	0.06	0.05	0.0	68,214,0	0.01	0.02	0.03	209,69,69	0.08	209	0.87	0.06	0.94
	0.05	0.04	0.0	212,225,0	0.01	4.56e-03	4.56e-03	209,233,233			1.00	0.04	0.96
2825	0.04	0.03	0.0	209,212,0	3.01e-03	0.02	0.02	212,68,68	0.04	212	0.87	0.06	0.94
	0.05	0.03	0.0	210,211,0	3.01e-03	4.48e-03	4.48e-03	212,226,226			1.00	0.04	0.96
2827	0.04	0.03	0.0	68,214,0	7.55e-03	0.02	0.03	212,68,69	0.07	212	0.87	0.06	0.94
	0.05	0.04	0.0	228,225,0	7.55e-03	4.56e-03	4.56e-03	212,233,233			1.00	0.04	0.96
2829	0.02	0.01	0.0	68,69,0	7.55e-03	0.02	0.03	212,68,69	0.07	212	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	7.55e-03	1.59e-03	1.59e-03	212,68,68			1.00	0.04	0.96
2964	0.05	0.04	0.0	66,212,0	8.26e-03	0.02	0.03	212,67,71	0.07	212	0.87	0.06	0.94

	0.05	0.03	0.0	214,215,0	8.26e-03	6.51e-03	6.51e-03	212,215,0			1.00	0.04	0.96
2967	0.07	0.05	0.0	66,71,0	8.26e-03	0.02	0.03	212,69,71	0.07	212	0.87	0.06	0.94
	0.01	5.75e-03	0.0	215,214,0	8.26e-03	9.71e-04	9.71e-04	212,210,210			1.00	0.04	0.96
2969	0.07	0.06	0.0	66,215,0	5.99e-03	7.22e-03	0.03	212,69,71	0.06	212	0.87	0.06	0.94
	9.84e-03	7.29e-03	0.0	212,209,0	5.99e-03	1.16e-03	1.16e-03	212,234,234			1.00	0.04	0.96
2983	0.05	0.03	0.0	68,69,0	4.81e-04	0.02	0.03	225,68,69	0.02	225	0.87	0.06	0.94
	9.86e-03	7.30e-03	0.0	226,227,0	4.73e-04	8.28e-04	8.28e-04	225,69,69			1.00	0.04	0.96
2984	0.07	0.05	0.0	68,69,0	3.10e-03	0.02	0.03	209,70,69	0.04	209	0.87	0.06	0.94
	6.46e-03	5.29e-03	0.0	212,209,0	3.10e-03	5.73e-04	5.73e-04	209,236,236			1.00	0.04	0.96
2985	0.07	0.05	0.0	68,69,0	4.83e-03	7.59e-03	0.03	209,69,69	0.05	209	0.87	0.06	0.94
	7.85e-03	5.53e-03	0.0	209,212,0	4.83e-03	1.21e-03	1.21e-03	209,236,236			1.00	0.04	0.96
2986	0.07	0.06	0.0	66,212,0	0.02	9.54e-03	0.03	212,68,71	0.10	212	0.87	0.06	0.94
	0.05	0.04	0.0	209,212,0	0.02	3.83e-03	3.83e-03	212,234,234			1.00	0.04	0.96
2988	0.07	0.06	0.0	214,212,0	0.02	0.02	0.03	212,69,71	0.10	212	0.87	0.06	0.94
	0.10	0.08	0.0	209,212,0	0.02	3.83e-03	3.83e-03	212,234,234			1.00	0.04	0.96
2996	0.07	0.05	0.0	68,69,0	0.01	9.13e-03	0.03	209,67,69	0.08	209	0.87	0.06	0.94
	0.05	0.04	0.0	212,209,0	0.01	4.04e-03	4.04e-03	209,233,233			1.00	0.04	0.96
2997	0.06	0.05	0.0	68,214,0	0.01	0.02	0.03	209,69,69	0.08	209	0.87	0.06	0.94
	0.05	0.04	0.0	212,225,0	0.01	4.56e-03	4.56e-03	209,233,233			1.00	0.04	0.96
2998	0.06	0.05	0.0	209,212,0	7.62e-03	0.02	0.03	212,69,71	0.07	212	0.87	0.06	0.94
	0.10	0.08	0.0	209,212,0	7.61e-03	4.48e-03	4.48e-03	212,226,226			1.00	0.04	0.96
3000	0.04	0.03	0.0	209,212,0	1.51e-03	0.02	0.02	212,69,69	0.03	212	0.87	0.06	0.94
	0.05	0.03	0.0	210,211,0	1.51e-03	4.48e-03	4.48e-03	212,226,226			1.00	0.04	0.96
3008	0.04	0.03	0.0	68,214,0	5.65e-03	0.02	0.03	212,69,69	0.06	212	0.87	0.06	0.94
	0.05	0.04	0.0	228,225,0	5.65e-03	4.56e-03	4.56e-03	212,233,233			1.00	0.04	0.96
3009	0.01	0.01	0.0	68,69,0	2.69e-03	0.02	0.03	212,69,69	0.04	212	0.87	0.06	0.94
	0.03	0.02	0.0	214,215,0	2.69e-03	1.59e-03	1.59e-03	212,68,68			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.10	0.08	0.0	0.04	0.02	0.03	0.15

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
78	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.59	-80.9	193	0.16	-22.1	196	0.19	-758.8	-9.581e+05	225

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
448	0.02	0.04	0.0	211,210,0	7.96e-04	1.42e-03	5.63e-03	225,211,210	0.02	225	0.87	0.06	0.94
	2.88e-03	0.01	0.0	45,44,0	7.95e-04	4.06e-03	4.06e-03	225,45,45			1.00	0.04	0.96
1467	0.05	0.06	0.0	228,225,0	0.14	4.26e-03	7.48e-03	227,44,231	0.28	227	0.87	0.06	0.94
	0.01	0.02	0.0	45,44,0	0.14	9.54e-03	9.54e-03	227,45,45			1.00	0.04	0.96
1468	9.60e-03	0.02	0.0	223,222,0	0.14	0.01	0.02	227,44,42	0.28	227	0.87	0.06	0.94
	0.01	0.01	0.0	226,44,0	0.14	4.77e-03	4.77e-03	227,45,45			1.00	0.04	0.96
1470	0.01	0.02	0.0	231,230,0	0.13	0.02	0.02	231,43,42	0.27	231	0.87	0.06	0.94
	0.02	5.62e-03	0.0	226,227,0	0.13	2.63e-03	2.63e-03	231,45,45			1.00	0.04	0.96
1472	0.06	0.06	0.0	231,230,0	0.12	0.02	0.03	225,45,42	0.27	225	0.87	0.06	0.94
	0.02	4.54e-03	0.0	226,227,0	0.12	2.88e-03	2.88e-03	225,45,45			1.00	0.04	0.96
1474	0.06	0.06	0.0	231,230,0	0.10	0.03	0.03	225,45,42	0.24	225	0.87	0.06	0.94
	0.02	4.54e-03	0.0	226,227,0	0.10	2.88e-03	2.88e-03	225,45,45			1.00	0.04	0.96
1476	0.02	0.02	0.0	47,42,0	2.31e-03	0.03	0.03	100,45,42	0.04	100	0.87	0.06	0.94
	0.02	3.05e-03	0.0	226,227,0	2.31e-03	9.61e-04	9.61e-04	100,45,45			1.00	0.04	0.96
2128	0.05	0.06	0.0	228,225,0	0.09	1.42e-03	7.48e-03	225,211,231	0.24	225	0.87	0.06	0.94
	0.01	0.02	0.0	45,44,0	0.09	9.54e-03	9.54e-03	225,45,45			1.00	0.04	0.96
2345	0.05	0.06	0.0	228,225,0	0.09	1.66e-03	7.48e-03	225,44,231	0.24	225	0.87	0.06	0.94
	0.04	0.03	0.0	45,44,0	0.09	0.02	0.02	225,45,45			1.00	0.04	0.96
2346	0.03	0.05	0.0	228,225,0	0.07	1.66e-03	5.92e-03	225,44,231	0.21	225	0.87	0.06	0.94
	0.05	0.04	0.0	43,46,0	0.07	0.03	0.03	225,46,46			1.00	0.04	0.96
2349	0.04	0.04	0.0	231,230,0	0.06	2.38e-03	6.47e-03	225,218,230	0.19	225	0.87	0.06	0.94
	0.06	0.04	0.0	43,42,0	0.06	0.03	0.03	225,42,42			1.00	0.04	0.96
2350	0.06	0.05	0.0	231,228,0	0.05	4.08e-03	8.16e-03	225,217,218	0.17	225	0.87	0.06	0.94
	0.11	0.06	0.0	225,228,0	0.05	0.03	0.03	225,42,42			1.00	0.04	0.96
2351	0.06	0.05	0.0	231,228,0	0.04	4.08e-03	8.16e-03	225,217,218	0.15	225	0.87	0.06	0.94
	0.13	0.07	0.0	225,228,0	0.04	0.03	0.03	225,44,44			1.00	0.04	0.96
2352	0.04	0.03	0.0	231,230,0	0.02	6.38e-03	8.00e-03	226,218,218	0.10	226	0.87	0.06	0.94
	0.13	0.07	0.0	225,228,0	0.02	0.02	0.02	226,44,44			1.00	0.04	0.96
2363	0.01	0.01	0.0	231,230,0	0.02	6.38e-03	8.00e-03	226,218,218	0.10	226	0.87	0.06	0.94
	0.03	0.01	0.0	44,227,0	0.02	0.01	0.01	226,44,44			1.00	0.04	0.96

2364	0.02	0.04	0.0	211,210,0	6.74e-03	1.66e-03	5.63e-03	225,44,210	0.06	225	0.87	0.06	0.94
	0.01	0.01	0.0	45,44,0	6.74e-03	8.29e-03	8.29e-03	225,45,45			1.00	0.04	0.96
2365	0.03	0.04	0.0	231,210,0	0.01	1.66e-03	4.73e-03	225,44,230	0.08	225	0.87	0.06	0.94
	0.02	0.01	0.0	45,44,0	0.01	0.01	0.01	225,45,45			1.00	0.04	0.96
2366	0.04	0.04	0.0	231,230,0	0.01	2.38e-03	6.47e-03	225,218,230	0.09	225	0.87	0.06	0.94
	0.02	0.01	0.0	44,45,0	0.01	0.01	0.01	225,42,42			1.00	0.04	0.96
2589	0.04	0.03	0.0	231,230,0	8.86e-03	6.38e-03	8.00e-03	227,218,218	0.07	227	0.87	0.06	0.94
	0.13	0.07	0.0	225,228,0	8.86e-03	9.32e-03	9.32e-03	227,44,44			1.00	0.04	0.96
2590	0.01	0.01	0.0	231,230,0	8.86e-03	6.38e-03	8.00e-03	227,218,218	0.07	227	0.87	0.06	0.94
	0.03	0.01	0.0	226,227,0	8.86e-03	4.96e-03	4.96e-03	227,44,44			1.00	0.04	0.96
2826	0.06	0.05	0.0	231,228,0	0.04	4.08e-03	8.16e-03	225,217,218	0.15	225	0.87	0.06	0.94
	0.11	0.06	0.0	225,228,0	0.04	0.01	0.01	225,42,42			1.00	0.04	0.96
2828	0.06	0.05	0.0	231,228,0	0.04	4.08e-03	8.16e-03	225,217,218	0.15	225	0.87	0.06	0.94
	0.13	0.07	0.0	225,228,0	0.04	0.01	0.01	225,44,44			1.00	0.04	0.96
2831	0.05	0.06	0.0	228,225,0	0.14	4.26e-03	7.48e-03	227,44,231	0.28	227	0.87	0.06	0.94
	0.04	0.03	0.0	45,44,0	0.14	0.02	0.02	227,45,45			1.00	0.04	0.96
2832	0.02	0.02	0.0	47,42,0	0.14	0.01	0.02	225,44,42	0.28	225	0.87	0.06	0.94
	0.03	0.02	0.0	47,46,0	0.14	0.02	0.02	225,45,45			1.00	0.04	0.96
2833	0.03	0.05	0.0	228,225,0	0.13	1.68e-03	5.92e-03	227,45,231	0.28	227	0.87	0.06	0.94
	0.05	0.04	0.0	43,46,0	0.13	0.03	0.03	227,46,46			1.00	0.04	0.96
2834	0.02	0.03	0.0	47,42,0	0.14	6.40e-03	0.01	225,47,42	0.28	225	0.87	0.06	0.94
	0.04	0.03	0.0	47,46,0	0.14	0.02	0.02	225,46,46			1.00	0.04	0.96
2835	0.02	0.04	0.0	228,225,0	0.12	8.47e-04	4.96e-03	227,218,44	0.27	227	0.87	0.06	0.94
	0.06	0.04	0.0	43,42,0	0.12	0.03	0.03	227,42,42			1.00	0.04	0.96
2836	0.02	0.03	0.0	47,42,0	0.13	2.58e-03	0.01	225,45,42	0.28	225	0.87	0.06	0.94
	0.05	0.03	0.0	47,42,0	0.13	0.03	0.03	225,42,42			1.00	0.04	0.96
2837	0.03	0.03	0.0	47,42,0	0.14	0.02	0.02	225,43,42	0.28	225	0.87	0.06	0.94
	0.02	5.62e-03	0.0	44,227,0	0.14	6.86e-03	6.86e-03	225,45,45			1.00	0.04	0.96
2838	0.04	0.04	0.0	47,42,0	0.14	0.01	0.02	225,47,42	0.28	225	0.87	0.06	0.94
	0.02	0.01	0.0	44,42,0	0.14	0.01	0.01	225,45,45			1.00	0.04	0.96
2839	0.04	0.04	0.0	47,42,0	0.13	4.70e-03	0.02	225,45,42	0.28	225	0.87	0.06	0.94
	0.01	0.01	0.0	47,44,0	0.13	0.01	0.01	225,42,42			1.00	0.04	0.96
2840	0.06	0.06	0.0	231,230,0	0.12	0.02	0.03	225,45,42	0.27	225	0.87	0.06	0.94
	0.02	5.38e-03	0.0	226,45,0	0.12	2.88e-03	2.88e-03	225,45,45			1.00	0.04	0.96
2841	0.05	0.05	0.0	47,42,0	0.12	0.01	0.03	225,45,42	0.27	225	0.87	0.06	0.94
	0.02	0.01	0.0	28,42,0	0.12	2.63e-03	2.63e-03	225,45,45			1.00	0.04	0.96
2842	0.06	0.05	0.0	47,42,0	0.12	6.55e-03	0.03	225,45,42	0.26	225	0.87	0.06	0.94
	0.01	0.01	0.0	47,44,0	0.12	2.90e-03	2.90e-03	225,45,45			1.00	0.04	0.96
2843	0.06	0.06	0.0	231,230,0	0.10	0.03	0.04	225,45,42	0.24	225	0.87	0.06	0.94
	0.02	4.54e-03	0.0	226,227,0	0.10	2.88e-03	2.88e-03	225,45,45			1.00	0.04	0.96
2844	0.06	0.07	0.0	47,42,0	0.10	0.02	0.04	225,45,42	0.24	225	0.87	0.06	0.94
	0.02	7.27e-03	0.0	28,42,0	0.10	2.63e-03	2.63e-03	225,45,45			1.00	0.04	0.96
2845	0.06	0.08	0.0	47,42,0	0.09	8.40e-03	0.03	225,46,42	0.23	225	0.87	0.06	0.94
	0.01	0.01	0.0	225,228,0	0.09	2.90e-03	2.90e-03	225,45,45			1.00	0.04	0.96
2846	0.05	0.05	0.0	47,42,0	0.02	0.03	0.04	100,45,42	0.10	100	0.87	0.06	0.94
	0.02	3.05e-03	0.0	226,227,0	0.02	1.95e-03	1.95e-03	100,45,45			1.00	0.04	0.96
2847	0.06	0.07	0.0	47,42,0	0.02	0.02	0.04	225,45,42	0.10	225	0.87	0.06	0.94
	0.02	6.05e-03	0.0	100,225,0	0.02	2.16e-03	2.16e-03	225,45,45			1.00	0.04	0.96
2848	0.06	0.08	0.0	47,42,0	0.02	8.40e-03	0.03	225,46,42	0.12	225	0.87	0.06	0.94
	0.01	0.01	0.0	225,228,0	0.02	2.40e-03	2.40e-03	225,46,46			1.00	0.04	0.96
2849	0.02	0.03	0.0	230,225,0	0.12	8.47e-04	5.07e-03	227,218,44	0.26	227	0.87	0.06	0.94
	0.08	0.05	0.0	225,228,0	0.12	0.03	0.03	227,42,42			1.00	0.04	0.96
2850	0.02	0.03	0.0	47,42,0	0.12	3.21e-03	0.01	225,44,42	0.27	225	0.87	0.06	0.94
	0.05	0.03	0.0	43,42,0	0.12	0.03	0.03	225,42,42			1.00	0.04	0.96
2851	0.02	0.03	0.0	230,225,0	0.09	1.89e-03	5.30e-03	227,43,44	0.23	227	0.87	0.06	0.94
	0.09	0.05	0.0	225,228,0	0.09	0.03	0.03	227,44,44			1.00	0.04	0.96
2852	0.02	0.03	0.0	47,42,0	0.09	6.79e-03	0.01	227,43,42	0.23	227	0.87	0.06	0.94
	0.05	0.03	0.0	225,46,0	0.09	0.02	0.02	227,44,44			1.00	0.04	0.96
2853	0.04	0.04	0.0	47,42,0	0.12	5.59e-03	0.02	225,44,42	0.27	225	0.87	0.06	0.94
	0.03	0.03	0.0	226,227,0	0.12	0.01	0.01	225,42,42			1.00	0.04	0.96
2854	0.04	0.04	0.0	47,42,0	0.09	0.01	0.02	227,47,42	0.23	227	0.87	0.06	0.94
	0.04	0.04	0.0	226,227,0	0.09	0.01	0.01	227,44,44			1.00	0.04	0.96
2855	0.06	0.05	0.0	47,42,0	0.11	8.05e-03	0.03	225,43,42	0.26	225	0.87	0.06	0.94
	0.06	0.06	0.0	228,225,0	0.11	2.91e-03	2.91e-03	225,45,45			1.00	0.04	0.96
2856	0.05	0.05	0.0	47,42,0	0.08	0.01	0.03	225,45,42	0.22	225	0.87	0.06	0.94
	0.08	0.07	0.0	228,225,0	0.08	2.91e-03	2.91e-03	225,45,45			1.00	0.04	0.96
2857	0.06	0.08	0.0	47,44,0	0.08	0.01	0.04	225,45,44	0.21	225	0.87	0.06	0.94
	0.09	0.08	0.0	228,225,0	0.08	2.91e-03	2.91e-03	225,45,45			1.00	0.04	0.96
2858	0.05	0.08	0.0	47,44,0	0.06	0.02	0.04	225,46,44	0.20	225	0.87	0.06	0.94
	0.12	0.11	0.0	228,225,0	0.06	3.97e-03	3.97e-03	225,42,42			1.00	0.04	0.96
2859	0.06	0.08	0.0	47,44,0	0.06	0.01	0.04	225,45,44	0.19	225	0.87	0.06	0.94
	0.09	0.08	0.0	228,225,0	0.06	2.47e-03	2.47e-03	225,46,46			1.00	0.04	0.96
2860	0.05	0.08	0.0	45,44,0	0.06	0.02	0.04	225,46,44	0.19	225	0.87	0.06	0.94
	0.12	0.11	0.0	228,225,0	0.06	3.97e-03	3.97e-03	225,42,42			1.00	0.04	0.96
2861	0.02	0.02	0.0	230,231,0	0.02	4.00e-03	5.73e-03	226,45,42	0.10	226	0.87	0.06	0.94

	0.09	0.05	0.0	225,228,0	0.02	0.02	0.02	226,44,44			1.00	0.04	0.96
2862	0.02	0.02	0.0	47,42,0	0.02	0.01	0.02	231,45,42	0.10	231	0.87	0.06	0.94
	0.05	0.03	0.0	225,228,0	0.02	0.02	0.02	231,44,44			1.00	0.04	0.96
2863	2.93e-03	9.83e-03	0.0	230,33,0	0.02	4.00e-03	5.73e-03	226,45,42	0.10	226	0.87	0.06	0.94
	0.03	0.01	0.0	44,45,0	0.02	0.01	0.01	226,44,44			1.00	0.04	0.96
2864	3.38e-03	0.01	0.0	47,33,0	6.83e-03	0.01	0.02	223,45,42	0.06	223	0.87	0.06	0.94
	0.02	0.01	0.0	210,211,0	6.83e-03	5.58e-03	5.58e-03	223,44,44			1.00	0.04	0.96
2865	0.03	0.03	0.0	47,42,0	0.02	0.02	0.02	231,45,42	0.10	231	0.87	0.06	0.94
	0.04	0.04	0.0	226,227,0	0.02	7.45e-03	7.45e-03	231,44,44			1.00	0.04	0.96
2866	7.23e-03	0.02	0.0	47,42,0	5.12e-03	0.02	0.02	223,45,42	0.05	223	0.87	0.06	0.94
	0.02	0.01	0.0	226,227,0	5.12e-03	2.19e-03	2.19e-03	223,45,45			1.00	0.04	0.96
2867	0.03	0.04	0.0	47,42,0	0.01	0.02	0.03	235,45,42	0.09	235	0.87	0.06	0.94
	0.08	0.07	0.0	228,225,0	0.01	2.19e-03	2.19e-03	235,45,45			1.00	0.04	0.96
2868	0.01	0.02	0.0	47,42,0	7.84e-03	0.02	0.03	228,45,42	0.07	228	0.87	0.06	0.94
	0.02	0.02	0.0	226,227,0	7.84e-03	2.19e-03	2.19e-03	228,45,45			1.00	0.04	0.96
2869	0.03	0.06	0.0	47,44,0	0.02	0.02	0.04	228,44,44	0.09	228	0.87	0.06	0.94
	0.12	0.11	0.0	228,225,0	0.02	3.97e-03	3.97e-03	228,42,42			1.00	0.04	0.96
2870	0.01	0.03	0.0	47,44,0	0.02	0.02	0.03	228,44,44	0.09	228	0.87	0.06	0.94
	0.02	0.02	0.0	226,227,0	0.02	1.52e-03	1.52e-03	228,44,44			1.00	0.04	0.96
2871	0.03	0.06	0.0	45,44,0	0.02	0.02	0.04	228,44,44	0.09	228	0.87	0.06	0.94
	0.12	0.11	0.0	228,225,0	0.02	3.97e-03	3.97e-03	228,42,42			1.00	0.04	0.96
2872	7.43e-03	0.03	0.0	45,44,0	0.02	0.02	0.03	228,44,44	0.09	228	0.87	0.06	0.94
	0.02	0.02	0.0	226,227,0	0.02	1.08e-03	1.08e-03	228,223,223			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.13	0.11	0.0	0.14	0.03	0.04	0.28

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
79	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.31	-15.9	207	0.12	-6.0	192	0.15	-3092.0	-1.801e+05	224

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
729	0.04	0.04	0.0	221,224,0	0.02	6.01e-03	0.01235	219,224	0.11	235	0.87	0.06	0.94
	6.87e-03	5.08e-03	0.0	215,214,0	0.02	1.12e-03	1.12e-03	235,235,235			1.00	0.04	0.96
730	0.04	0.04	0.0	237,240,0	0.02	3.34e-03	0.01235	220,224	0.11	235	0.87	0.06	0.94
	0.01	6.85e-03	0.0	236,233,0	0.02	8.00e-04	8.00e-04	235,219,219			1.00	0.04	0.96
732	0.01	0.01	0.0	233,236,0	1.74e-03	0.01	0.01239	220,220	0.03	239	0.87	0.06	0.94
	2.70e-03	4.68e-03	0.0	211,210,0	1.74e-03	1.80e-03	1.80e-03	239,217,217			1.00	0.04	0.96
734	0.06	0.06	0.0	233,236,0	0.03	8.26e-03	0.02235	220,220	0.14	235	0.87	0.06	0.94
	0.06	0.05	0.0	235,234,0	0.03	1.58e-03	1.58e-03	235,218,218			1.00	0.04	0.96
751	0.02	0.03	0.0	217,220,0	0.01	9.55e-03	0.01233	219,219	0.09	233	0.87	0.06	0.94
	5.19e-03	4.86e-03	0.0	216,213,0	0.01	2.46e-03	2.46e-03	233,218,218			1.00	0.04	0.96
752	0.03	0.04	0.0	221,224,0	0.02	9.55e-03	0.01235	219,224	0.11	235	0.87	0.06	0.94
	6.87e-03	5.08e-03	0.0	215,214,0	0.02	2.46e-03	2.46e-03	235,218,218			1.00	0.04	0.96
754	0.06	0.06	0.0	233,236,0	0.03	1.92e-03	0.01235	220,220	0.14	235	0.87	0.06	0.94
	0.06	0.04	0.0	235,234,0	0.03	9.32e-04	9.32e-04	235,218,218			1.00	0.04	0.96
764	0.04	0.04	0.0	233,236,0	1.74e-03	0.01	0.02239	220,220	0.03	239	0.87	0.06	0.94
	0.06	0.05	0.0	235,234,0	1.74e-03	1.80e-03	1.80e-03	239,217,217			1.00	0.04	0.96
2041	0.02	0.03	0.0	217,220,0	0.02	9.55e-03	0.01235	219,219	0.11	235	0.87	0.06	0.94
	0.02	0.01	0.0	211,210,0	0.02	4.46e-03	4.46e-03	235,234,234			1.00	0.04	0.96
2043	0.02	0.03	0.0	240,210,0	0.02	0.01	0.02235	237,100	0.11	235	0.87	0.06	0.94
	0.03	0.02	0.0	211,210,0	0.02	4.46e-03	4.46e-03	235,234,234			1.00	0.04	0.96
2045	0.02	0.03	0.0	240,210,0	2.89e-03	0.01	0.02235	237,100	0.04	235	0.87	0.06	0.94
	0.03	0.02	0.0	211,210,0	2.87e-03	4.00e-03	4.00e-03	235,238,238			1.00	0.04	0.96
2362	0.04	0.04	0.0	233,236,0	7.50e-03	0.01	0.02224	220,220	0.07	224	0.87	0.06	0.94
	0.06	0.05	0.0	235,234,0	7.49e-03	1.80e-03	1.80e-03	224,217,217			1.00	0.04	0.96
2403	0.06	0.06	0.0	233,236,0	0.03	1.92e-03	0.01235	220,220	0.14	235	0.87	0.06	0.94
	0.06	0.04	0.0	235,234,0	0.03	1.23e-03	1.23e-03	235,219,219			1.00	0.04	0.96
2404	0.06	0.06	0.0	233,236,0	0.03	8.26e-03	0.02235	220,220	0.14	235	0.87	0.06	0.94
	0.06	0.05	0.0	235,234,0	0.03	1.58e-03	1.58e-03	235,218,218			1.00	0.04	0.96
2405	0.02	0.02	0.0	217,220,0	0.03	1.87e-03	7.43e-03	235,220,220	0.12	235	0.87	0.06	0.94
	0.03	0.02	0.0	235,234,0	0.03	2.47e-03	2.47e-03	235,220,220			1.00	0.04	0.96
2406	0.02	0.02	0.0	217,223,0	0.02	3.59e-03	7.75e-03	235,219,220	0.10	235	0.87	0.06	0.94
	0.03	0.03	0.0	235,234,0	0.02	1.95e-03	1.95e-03	235,223,223			1.00	0.04	0.96
2407	0.01	0.02	0.0	224,237,0	0.02	7.30e-04	3.76e-03	235,100,217	0.10	235	0.87	0.06	0.94
	9.42e-03	6.42e-03	0.0	235,234,0	0.02	2.47e-03	2.47e-03	235,220,220			1.00	0.04	0.96

2408	0.01	0.01	0.0	233,236,0	5.82e-03	0.01	0.01240,220,220	0.06	240	0.87	0.06	0.94
	0.01	0.01	0.0	227,226,0	5.82e-03	1.80e-03	1.80e-03240,217,217			1.00	0.04	0.96
2409	0.01	0.02	0.0	217,237,0	7.50e-03	6.23e-03	8.33e-03224,217,220	0.07	224	0.87	0.06	0.94
	0.03	0.03	0.0	235,234,0	7.49e-03	2.89e-03	2.89e-03224,218,218			1.00	0.04	0.96
2410	7.86e-03	0.01	0.0	217,105,0	5.82e-03	6.23e-03	8.33e-03240,217,220	0.06	240	0.87	0.06	0.94
	0.01	0.01	0.0	229,232,0	5.82e-03	2.89e-03	2.89e-03240,218,218			1.00	0.04	0.96
2411	9.53e-03	0.02	0.0	224,237,0	5.01e-03	3.67e-03	5.08e-03220,222,222	0.05	220	0.87	0.06	0.94
	0.02	0.02	0.0	237,240,0	5.01e-03	2.89e-03	2.89e-03220,218,218			1.00	0.04	0.96
2412	2.66e-03	0.01	0.0	224,105,0	8.08e-04	3.67e-03	5.08e-03224,222,222	0.02	224	0.87	0.06	0.94
	0.01	0.01	0.0	229,232,0	8.07e-04	2.89e-03	2.89e-03224,218,218			1.00	0.04	0.96
2495	0.01	0.02	0.0	240,237,0	0.01	1.44e-03	3.40e-03235,234,217	0.09	235	0.87	0.06	0.94
	0.02	0.02	0.0	237,240,0	0.01	1.95e-03	1.95e-03235,223,223			1.00	0.04	0.96
2561	0.03	0.04	0.0	221,224,0	0.03	9.55e-03	0.01235,219,224	0.14	235	0.87	0.06	0.94
	0.02	0.01	0.0	211,210,0	0.03	4.46e-03	4.46e-03235,234,234			1.00	0.04	0.96
2562	0.04	0.04	0.0	221,224,0	0.03	6.01e-03	0.01235,219,224	0.14	235	0.87	0.06	0.94
	0.02	0.01	0.0	223,222,0	0.03	1.88e-03	1.88e-03235,234,234			1.00	0.04	0.96
2563	0.04	0.04	0.0	237,240,0	0.03	3.34e-03	0.01235,220,224	0.13	235	0.87	0.06	0.94
	0.01	6.85e-03	0.0	236,233,0	0.03	1.88e-03	1.88e-03235,234,234			1.00	0.04	0.96
2564	0.02	0.03	0.0	240,210,0	0.03	0.01	0.02235,237,100	0.14	235	0.87	0.06	0.94
	0.03	0.02	0.0	211,210,0	0.03	6.29e-03	6.29e-03235,214,214			1.00	0.04	0.96
2565	0.02	0.02	0.0	240,240,0	0.03	0.01	0.01235,234,226	0.14	235	0.87	0.06	0.94
	0.02	0.01	0.0	239,238,0	0.03	6.29e-03	6.29e-03235,214,214			1.00	0.04	0.96
2566	0.02	0.02	0.0	217,220,0	0.03	2.45e-03	7.66e-03235,222,220	0.13	235	0.87	0.06	0.94
	7.43e-03	3.95e-03	0.0	234,235,0	0.03	2.55e-03	2.55e-03235,240,240			1.00	0.04	0.96
2567	0.02	0.03	0.0	240,210,0	0.02	0.01	0.02235,237,100	0.10	235	0.87	0.06	0.94
	0.03	0.02	0.0	211,210,0	0.02	6.29e-03	6.29e-03235,214,214			1.00	0.04	0.96
2568	0.02	0.02	0.0	240,221,0	0.02	0.01	0.01235,234,226	0.10	235	0.87	0.06	0.94
	0.02	0.01	0.0	239,238,0	0.02	6.29e-03	6.29e-03235,214,214			1.00	0.04	0.96
2569	0.01	0.02	0.0	224,221,0	0.02	2.36e-03	4.63e-03235,222,217	0.10	235	0.87	0.06	0.94
	7.43e-03	3.95e-03	0.0	234,235,0	0.02	2.55e-03	2.55e-03235,240,240			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.06	0.06	0.0	0.03	0.01	0.02	0.14

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
80	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.22	2.2	201	0.37	3.6	193	0.32	2049.3	-3.025e+04	236

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1234	0.04	0.04	0.0	230,225,0	1.91e-03	0.01	0.02233,219,219		0.03	233	0.87	0.06	0.94
	0.01	9.26e-03	0.0	45,46,0	1.91e-03	8.89e-03	8.89e-03 233,45,45				1.00	0.04	0.96
1293	0.04	0.04	0.0	230,225,0	1.91e-03	0.01	0.02233,219,219		0.03	233	0.87	0.06	0.94
	0.01	9.26e-03	0.0	45,46,0	1.91e-03	8.89e-03	8.89e-03 233,45,45				1.00	0.04	0.96
2591	0.04	0.04	0.0	230,225,0	1.91e-03	0.01	0.02233,219,219		0.03	233	0.87	0.06	0.94
	0.03	0.02	0.0	45,46,0	1.91e-03	0.02	0.02 233,45,45				1.00	0.04	0.96
2593	0.03	0.04	0.0	228,233,0	2.03e-03	3.79e-03	6.27e-03233,219,221		0.03	233	0.87	0.06	0.94
	0.03	0.02	0.0	45,45,0	2.03e-03	0.02	0.02 233,45,45				1.00	0.04	0.96
2595	0.03	0.03	0.0	228,233,0	2.64e-03	2.68e-03	6.06e-03233,100,44		0.04	233	0.87	0.06	0.94
	0.03	0.02	0.0	44,44,0	2.64e-03	0.03	0.03 233,43,43				1.00	0.04	0.96
2615	0.02	0.03	0.0	228,233,0	3.51e-03	2.37e-03	4.22e-03225,100,44		0.05	225	0.87	0.06	0.94
	0.03	0.02	0.0	44,44,0	3.51e-03	0.03	0.03 225,44,44				1.00	0.04	0.96
2617	0.02	0.02	0.0	228,225,0	4.60e-03	1.58e-03	3.39e-03 225,4,18		0.05	225	0.87	0.06	0.94
	0.03	0.02	0.0	44,44,0	4.60e-03	0.03	0.03 225,44,44				1.00	0.04	0.96
2631	0.01	0.01	0.0	228,225,0	5.58e-03	4.68e-03	5.89e-03 225,47,47		0.06	225	0.87	0.06	0.94
	0.03	0.02	0.0	44,44,0	5.58e-03	0.02	0.02 225,44,44				1.00	0.04	0.96
2633	4.05e-03	6.50e-03	0.0	230,229,0	5.58e-03	4.68e-03	5.89e-03 225,47,47		0.06	225	0.87	0.06	0.94
	3.65e-03	3.18e-03	0.0	42,42,0	5.58e-03	2.02e-03	2.02e-03 225,42,42				1.00	0.04	0.96
2683	0.04	0.04	0.0	230,225,0	1.91e-03	0.01	0.02233,219,219		0.03	233	0.87	0.06	0.94
	0.03	0.02	0.0	45,46,0	1.91e-03	0.02	0.02 233,45,45				1.00	0.04	0.96
2684	0.03	0.04	0.0	228,233,0	2.03e-03	3.79e-03	6.27e-03233,219,221		0.03	233	0.87	0.06	0.94
	0.03	0.02	0.0	45,45,0	2.03e-03	0.02	0.02 233,45,45				1.00	0.04	0.96
2685	0.03	0.03	0.0	228,233,0	2.64e-03	2.68e-03	6.06e-03233,100,44		0.04	233	0.87	0.06	0.94
	0.03	0.02	0.0	44,44,0	2.64e-03	0.03	0.03 233,43,43				1.00	0.04	0.96
2686	0.02	0.03	0.0	228,233,0	3.51e-03	2.37e-03	4.22e-03225,100,44		0.05	225	0.87	0.06	0.94
	0.03	0.02	0.0	44,44,0	3.51e-03	0.03	0.03 225,44,44				1.00	0.04	0.96
2687	0.02	0.02	0.0	228,225,0	4.60e-03	1.58e-03	3.39e-03 225,4,18		0.05	225	0.87	0.06	0.94

	0.03	0.02	0.0	44,44,0	4.60e-03	0.03	0.03	225,44,44			1.00	0.04	0.96
2688	0.01	0.01	0.0	228,225,0	5.58e-03	4.68e-03	5.89e-03	225,47,47	0.06	225	0.87	0.06	0.94
	0.03	0.02	0.0	44,44,0	5.58e-03	0.02	0.02	225,44,44			1.00	0.04	0.96
2689	4.05e-03	6.50e-03	0.0	230,229,0	5.58e-03	4.68e-03	5.89e-03	225,47,47	0.06	225	0.87	0.06	0.94
	3.65e-03	3.18e-03	0.0	42,42,0	5.58e-03	2.02e-03	2.02e-03	225,42,42			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.04	0.04	0.0	5.58e-03	0.03	0.03	0.06

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
81	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.64	-8.2	193	0.48	-6.2	207	0.16	2910.3	1.740e+04	228

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
516	0.05	0.10	0.0	228,225,0	4.92e-03	0.01	0.02	225,44,44	0.05	225	0.87	0.06	0.94
	0.03	0.02	0.0	44,45,0	4.91e-03	0.03	0.03	225,43,43			1.00	0.04	0.96
531	5.11e-03	0.04	0.0	218,100,0	0.02	0.02	0.02	235,221,221	0.12	235	0.87	0.06	0.94
	4.42e-03	6.49e-03	0.0	221,224,0	0.02	4.11e-03	4.11e-03	235,221,221			1.00	0.04	0.96
660	0.06	0.08	0.0	218,219,0	0.04	0.04	0.07	225,218,219	0.14	225	0.87	0.06	0.94
	0.12	0.07	0.0	44,45,0	0.04	0.06	0.06	225,45,45			1.00	0.04	0.96
667	0.03	0.05	0.0	236,100,0	0.02	0.01	0.02	225,221,221	0.11	225	0.87	0.06	0.94
	0.02	0.02	0.0	44,44,0	0.02	0.02	0.02	225,44,44			1.00	0.04	0.96
668	0.02	0.04	0.0	236,233,0	3.40e-03	5.45e-03	0.01	225,221,221	0.04	225	0.87	0.06	0.94
	4.47e-03	3.65e-03	0.0	43,44,0	3.40e-03	5.51e-03	5.51e-03	225,44,44			1.00	0.04	0.96
671	0.02	0.05	0.0	236,100,0	0.02	0.01	0.02	225,221,221	0.11	225	0.87	0.06	0.94
	0.02	0.02	0.0	44,44,0	0.02	0.02	0.02	225,221,221			1.00	0.04	0.96
673	0.02	0.02	0.0	218,237,0	2.41e-03	0.01	0.02	233,221,221	0.04	233	0.87	0.06	0.94
	3.39e-03	3.17e-03	0.0	45,44,0	2.40e-03	4.37e-03	4.37e-03	233,44,44			1.00	0.04	0.96
675	0.02	0.05	0.0	218,100,0	0.02	0.02	0.02	235,221,221	0.12	235	0.87	0.06	0.94
	0.02	0.02	0.0	221,221,0	0.02	0.02	0.02	235,221,221			1.00	0.04	0.96
677	5.11e-03	9.77e-03	0.0	218,221,0	1.22e-03	0.01	0.02	233,221,221	0.03	233	0.87	0.06	0.94
	2.38e-03	2.60e-03	0.0	221,224,0	1.21e-03	1.10e-03	1.10e-03	233,212,212			1.00	0.04	0.96
1309	0.06	0.08	0.0	218,219,0	0.04	0.04	0.07	225,218,219	0.14	225	0.87	0.06	0.94
	0.12	0.07	0.0	44,45,0	0.04	0.06	0.06	225,45,45			1.00	0.04	0.96
1310	0.02	0.05	0.0	230,231,0	0.03	0.02	0.02	225,218,219	0.13	225	0.87	0.06	0.94
	0.05	0.03	0.0	45,45,0	0.03	0.03	0.03	225,45,45			1.00	0.04	0.96
1311	5.56e-03	0.05	0.0	230,100,0	0.02	0.01	0.02	225,221,221	0.12	225	0.87	0.06	0.94
	0.03	0.02	0.0	45,45,0	0.02	0.02	0.02	225,45,45			1.00	0.04	0.96
1331	9.69e-03	0.05	0.0	218,100,0	0.02	0.01	0.02	225,221,221	0.11	225	0.87	0.06	0.94
	0.02	0.02	0.0	44,44,0	0.02	0.02	0.02	225,44,44			1.00	0.04	0.96
1332	0.01	0.05	0.0	218,100,0	0.02	0.01	0.02	225,221,221	0.11	225	0.87	0.06	0.94
	0.02	0.02	0.0	44,44,0	0.02	0.02	0.02	225,221,221			1.00	0.04	0.96
1349	0.01	0.05	0.0	218,100,0	0.02	0.02	0.02	235,221,221	0.12	235	0.87	0.06	0.94
	0.02	0.02	0.0	221,221,0	0.02	0.02	0.02	235,221,221			1.00	0.04	0.96
1350	0.0	0.04	0.0	0,100,0	0.02	0.02	0.02	235,221,221	0.12	235	0.0	0.0	0.0
	4.42e-03	6.49e-03	0.0	221,224,0	0.02	4.11e-03	4.11e-03	235,221,221			1.00	0.04	0.96
1365	0.06	0.10	0.0	218,225,0	0.04	0.04	0.07	225,218,219	0.14	225	0.87	0.06	0.94
	0.12	0.07	0.0	44,45,0	0.04	0.06	0.06	225,45,45			1.00	0.04	0.96
2713	0.05	0.10	0.0	228,225,0	5.01e-03	0.01	0.02	225,44,44	0.05	225	0.87	0.06	0.94
	0.03	0.02	0.0	44,45,0	5.00e-03	0.03	0.03	225,43,43			1.00	0.04	0.96
2731	0.06	0.10	0.0	218,225,0	0.04	0.04	0.07	225,218,219	0.14	225	0.87	0.06	0.94
	0.12	0.07	0.0	44,45,0	0.04	0.06	0.06	225,45,45			1.00	0.04	0.96
2732	0.04	0.08	0.0	228,225,0	5.01e-03	6.27e-03	0.01	225,221,221	0.05	225	0.87	0.06	0.94
	9.52e-03	7.16e-03	0.0	45,44,0	5.00e-03	0.01	0.01	225,45,45			1.00	0.04	0.96
2749	0.04	0.08	0.0	228,225,0	0.03	0.02	0.02	225,218,219	0.13	225	0.87	0.06	0.94
	0.05	0.03	0.0	45,45,0	0.03	0.03	0.03	225,45,45			1.00	0.04	0.96
2750	0.03	0.06	0.0	236,233,0	4.93e-03	6.80e-03	0.01	225,221,221	0.05	225	0.87	0.06	0.94
	5.93e-03	4.50e-03	0.0	45,44,0	4.92e-03	6.58e-03	6.58e-03	225,45,45			1.00	0.04	0.96
3065	0.03	0.06	0.0	236,233,0	0.02	0.01	0.02	225,221,221	0.12	225	0.87	0.06	0.94
	0.03	0.02	0.0	45,45,0	0.02	0.02	0.02	225,45,45			1.00	0.04	0.96
3066	0.03	0.05	0.0	236,233,0	4.23e-03	6.80e-03	0.01	225,221,221	0.05	225	0.87	0.06	0.94
	4.96e-03	3.87e-03	0.0	43,44,0	4.22e-03	5.56e-03	5.56e-03	225,44,44			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.12	0.10	0.0	0.04	0.06	0.07	0.14

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
82	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.31	-4.0	204	0.45	-5.8	204	0.28	-3115.2	-8.391e+04	236

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1341	9.17e-03	0.04	0.0	222,100,0	9.41e-03	0.01	0.02	100,220,220	0.07	100	0.87	0.06	0.94
	6.56e-03	7.39e-03	0.0	45,18,0	9.40e-03	5.92e-03	5.92e-03	100,219,219			1.00	0.04	0.96
1396	0.03	0.07	0.0	233,236,0	2.53e-03	7.49e-03	0.01	236,43,44	0.04	236	0.87	0.06	0.94
	3.87e-04	4.61e-03	0.0	211,100,0	2.52e-03	2.49e-03	2.49e-03	236,219,219			1.00	0.04	0.96
1397	0.03	0.07	0.0	233,236,0	9.41e-03	0.01	0.02	100,220,220	0.07	100	0.87	0.06	0.94
	6.56e-03	7.39e-03	0.0	45,18,0	9.40e-03	5.92e-03	5.92e-03	100,219,219			1.00	0.04	0.96
2690	9.17e-03	0.04	0.0	222,100,0	9.41e-03	0.01	0.02	100,220,220	0.07	100	0.87	0.06	0.94
	0.02	0.01	0.0	45,46,0	9.40e-03	0.01	0.01	100,46,46			1.00	0.04	0.96
2692	1.21e-03	0.04	0.0	238,100,0	7.27e-03	3.20e-03	7.34e-03	100,221,100	0.07	100	0.87	0.06	0.94
	0.02	0.02	0.0	45,46,0	7.27e-03	0.02	0.02	100,45,45			1.00	0.04	0.96
2694	0.0	0.03	0.0	0,107,0	7.10e-03	2.64e-03	7.34e-03	236,221,100	0.06	236	0.0	0.0	0.0
	0.03	0.02	0.0	42,42,0	7.10e-03	0.02	0.02	236,44,44			1.00	0.04	0.96
2717	0.0	0.03	0.0	0,107,0	8.90e-03	2.13e-03	5.48e-03	236,100,100	0.07	236	0.0	0.0	0.0
	0.03	0.02	0.0	42,42,0	8.90e-03	0.02	0.02	236,44,44			1.00	0.04	0.96
2719	0.0	0.02	0.0	0,107,0	0.01	1.40e-03	3.98e-03	228,221,107	0.08	228	0.0	0.0	0.0
	0.03	0.02	0.0	44,44,0	0.01	0.02	0.02	228,44,44			1.00	0.04	0.96
2735	0.0	0.02	0.0	0,107,0	0.01	2.36e-03	3.50e-03	228,221,221	0.09	228	0.0	0.0	0.0
	0.02	0.02	0.0	44,44,0	0.01	0.02	0.02	228,44,44			1.00	0.04	0.96
2737	0.0	0.02	0.0	0,107,0	0.01	2.36e-03	3.50e-03	228,221,221	0.09	228	0.0	0.0	0.0
	1.54e-03	3.00e-03	0.0	45,44,0	0.01	1.85e-03	1.85e-03	228,44,44			1.00	0.04	0.96
2780	0.03	0.07	0.0	233,236,0	2.53e-03	7.49e-03	0.01	236,43,44	0.04	236	0.87	0.06	0.94
	3.43e-03	4.61e-03	0.0	45,100,0	2.52e-03	4.17e-03	4.17e-03	236,45,45			1.00	0.04	0.96
2781	0.03	0.07	0.0	233,236,0	9.41e-03	0.01	0.02	100,220,220	0.07	100	0.87	0.06	0.94
	0.02	0.01	0.0	45,46,0	9.40e-03	0.01	0.01	100,46,46			1.00	0.04	0.96
2782	0.03	0.06	0.0	225,236,0	2.08e-03	1.70e-03	8.50e-03	236,43,44	0.03	236	0.87	0.06	0.94
	4.80e-03	3.59e-03	0.0	45,46,0	2.07e-03	5.79e-03	5.79e-03	236,46,46			1.00	0.04	0.96
2783	0.03	0.06	0.0	225,236,0	7.27e-03	3.20e-03	8.50e-03	100,221,44	0.07	100	0.87	0.06	0.94
	0.02	0.02	0.0	45,46,0	7.27e-03	0.02	0.02	100,45,45			1.00	0.04	0.96
2784	0.03	0.05	0.0	225,236,0	2.34e-03	1.60e-03	6.86e-03	236,100,44	0.04	236	0.87	0.06	0.94
	5.24e-03	3.84e-03	0.0	46,42,0	2.34e-03	6.37e-03	6.37e-03	236,42,42			1.00	0.04	0.96
2785	0.03	0.05	0.0	225,236,0	7.10e-03	2.64e-03	7.34e-03	236,221,100	0.06	236	0.87	0.06	0.94
	0.03	0.02	0.0	42,42,0	7.10e-03	0.02	0.02	236,44,44			1.00	0.04	0.96
2786	0.02	0.04	0.0	225,236,0	2.78e-03	1.60e-03	5.90e-03	236,100,44	0.04	236	0.87	0.06	0.94
	5.24e-03	3.84e-03	0.0	46,42,0	2.78e-03	6.37e-03	6.37e-03	236,42,42			1.00	0.04	0.96
2787	0.02	0.04	0.0	225,236,0	8.90e-03	2.13e-03	5.90e-03	236,100,44	0.07	236	0.87	0.06	0.94
	0.03	0.02	0.0	42,42,0	8.90e-03	0.02	0.02	236,44,44			1.00	0.04	0.96
2788	0.02	0.03	0.0	233,236,0	3.29e-03	1.16e-03	4.42e-03	228,47,44	0.04	228	0.87	0.06	0.94
	5.09e-03	3.78e-03	0.0	44,44,0	3.29e-03	6.31e-03	6.31e-03	228,44,44			1.00	0.04	0.96
2789	0.02	0.03	0.0	233,236,0	0.01	1.40e-03	4.42e-03	228,221,44	0.08	228	0.87	0.06	0.94
	0.03	0.02	0.0	44,44,0	0.01	0.02	0.02	228,44,44			1.00	0.04	0.96
2790	0.01	0.02	0.0	233,228,0	3.60e-03	5.87e-03	7.25e-03	228,47,47	0.05	228	0.87	0.06	0.94
	4.10e-03	3.17e-03	0.0	44,44,0	3.60e-03	4.94e-03	4.94e-03	228,44,44			1.00	0.04	0.96
2791	0.01	0.02	0.0	233,107,0	0.01	5.87e-03	7.25e-03	228,47,47	0.09	228	0.87	0.06	0.94
	0.02	0.02	0.0	44,44,0	0.01	0.02	0.02	228,44,44			1.00	0.04	0.96
2792	3.58e-03	6.93e-03	0.0	237,230,0	3.60e-03	5.87e-03	7.25e-03	228,47,47	0.05	228	0.87	0.06	0.94
	6.71e-04	6.66e-04	0.0	239,226,0	3.60e-03	4.59e-04	4.59e-04	228,210,210			1.00	0.04	0.96
2793	3.58e-03	0.02	0.0	237,107,0	0.01	5.87e-03	7.25e-03	228,47,47	0.09	228	0.87	0.06	0.94
	1.54e-03	3.00e-03	0.0	45,44,0	0.01	1.85e-03	1.85e-03	228,44,44			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.03	0.07	0.0	0.01	0.02	0.02	0.09

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
83	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	

ok	0.38	-25.7	199	0.28	18.8	193	0.09	1827.6	-1.872e+05	212			

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1214	0.02	0.03	0.0	231,230,0	0.04	0.02	0.02	231,231,230	0.16	231	0.87	0.06	0.94
	4.65e-03	3.62e-03	0.0	213,216,0	0.04	2.83e-03	2.83e-03	231,236,236			1.00	0.04	0.96
1215	0.02	0.01	0.0	231,230,0	9.09e-03	6.66e-03	8.60e-03	229,47,43	0.07	229	0.87	0.06	0.94
	0.02	0.02	0.0	228,225,0	9.09e-03	8.97e-03	8.97e-03	229,42,42			1.00	0.04	0.96
1231	4.13e-03	6.09e-03	0.0	47,42,0	9.09e-03	6.66e-03	8.60e-03	229,47,43	0.07	229	0.87	0.06	0.94
	7.20e-03	4.43e-03	0.0	226,227,0	9.09e-03	2.54e-03	2.54e-03	229,45,45			1.00	0.04	0.96
1424	0.04	0.04	0.0	231,230,0	0.06	0.02	0.03	227,43,44	0.19	227	0.87	0.06	0.94
	9.82e-03	4.67e-03	0.0	230,231,0	0.06	5.38e-03	5.38e-03	227,46,46			1.00	0.04	0.96
1426	0.04	0.04	0.0	231,230,0	0.06	0.03	0.04	227,46,42	0.19	227	0.87	0.06	0.94
	0.01	6.50e-03	0.0	232,229,0	0.06	5.38e-03	5.38e-03	227,46,46			1.00	0.04	0.96
1428	0.03	0.03	0.0	216,213,0	5.28e-04	0.03	0.04	225,46,42	0.02	225	0.87	0.06	0.94
	0.01	6.50e-03	0.0	232,229,0	5.26e-04	3.07e-03	3.07e-03	225,46,46			1.00	0.04	0.96
2630	0.02	0.03	0.0	231,230,0	0.04	0.02	0.02	231,231,230	0.16	231	0.87	0.06	0.94
	7.96e-03	5.77e-03	0.0	45,46,0	0.04	7.96e-03	7.96e-03	231,46,46			1.00	0.04	0.96
2645	0.02	0.02	0.0	231,44,0	0.04	5.67e-03	9.83e-03	231,231,44	0.16	231	0.87	0.06	0.94
	0.01	8.23e-03	0.0	45,46,0	0.04	9.97e-03	9.97e-03	231,46,46			1.00	0.04	0.96
2646	0.02	0.02	0.0	231,44,0	0.04	1.69e-03	8.36e-03	231,218,44	0.15	231	0.87	0.06	0.94
	0.01	9.47e-03	0.0	45,42,0	0.04	0.01	0.01	231,46,46			1.00	0.04	0.96
2711	0.02	0.02	0.0	231,230,0	0.04	1.83e-03	8.26e-03	231,43,43	0.15	231	0.87	0.06	0.94
	0.02	0.01	0.0	228,225,0	0.04	0.01	0.01	231,46,46			1.00	0.04	0.96
2712	0.02	0.02	0.0	231,230,0	0.02	3.50e-03	8.26e-03	231,43,43	0.12	231	0.87	0.06	0.94
	0.02	0.02	0.0	228,225,0	0.02	0.01	0.01	231,42,42			1.00	0.04	0.96
2794	0.04	0.04	0.0	231,230,0	0.06	0.02	0.03	227,43,44	0.19	227	0.87	0.06	0.94
	0.01	8.36e-03	0.0	44,45,0	0.06	7.96e-03	7.96e-03	227,46,46			1.00	0.04	0.96
2795	0.05	0.04	0.0	47,44,0	0.05	0.01	0.02	227,43,44	0.17	227	0.87	0.06	0.94
	0.02	0.01	0.0	45,46,0	0.05	9.97e-03	9.97e-03	227,46,46			1.00	0.04	0.96
2796	0.05	0.04	0.0	47,44,0	0.04	5.42e-03	0.02	231,43,43	0.15	231	0.87	0.06	0.94
	0.02	0.01	0.0	45,42,0	0.04	0.01	0.01	231,46,46			1.00	0.04	0.96
2797	0.05	0.04	0.0	45,44,0	0.06	0.03	0.04	227,46,42	0.19	227	0.87	0.06	0.94
	0.01	8.36e-03	0.0	44,45,0	0.06	5.38e-03	5.38e-03	227,46,46			1.00	0.04	0.96
2798	0.07	0.06	0.0	45,44,0	0.05	0.02	0.04	227,46,42	0.17	227	0.87	0.06	0.94
	0.02	0.01	0.0	45,46,0	0.05	3.43e-03	3.43e-03	227,46,46			1.00	0.04	0.96
2799	0.08	0.07	0.0	45,44,0	0.04	9.60e-03	0.04	227,42,44	0.15	227	0.87	0.06	0.94
	0.02	0.01	0.0	45,42,0	0.04	3.71e-03	3.71e-03	227,46,46			1.00	0.04	0.96
2800	0.05	0.04	0.0	45,44,0	4.68e-03	0.03	0.04	227,46,42	0.05	227	0.87	0.06	0.94
	0.01	6.50e-03	0.0	232,229,0	4.68e-03	3.28e-03	3.28e-03	227,46,46			1.00	0.04	0.96
2801	0.07	0.06	0.0	45,44,0	6.92e-03	0.02	0.04	231,46,42	0.06	231	0.87	0.06	0.94
	9.90e-03	5.87e-03	0.0	230,225,0	6.91e-03	3.43e-03	3.43e-03	231,46,46			1.00	0.04	0.96
2802	0.08	0.07	0.0	45,44,0	9.30e-03	9.60e-03	0.04	231,42,44	0.07	231	0.87	0.06	0.94
	0.01	0.01	0.0	225,228,0	9.30e-03	3.71e-03	3.71e-03	231,46,46			1.00	0.04	0.96
2809	0.05	0.04	0.0	47,44,0	0.04	6.77e-03	0.02	231,43,43	0.15	231	0.87	0.06	0.94
	0.05	0.04	0.0	228,225,0	0.04	0.01	0.01	231,46,46			1.00	0.04	0.96
2810	0.05	0.04	0.0	47,44,0	0.02	0.01	0.02	231,43,43	0.12	231	0.87	0.06	0.94
	0.06	0.05	0.0	228,225,0	0.02	0.01	0.01	231,42,42			1.00	0.04	0.96
2811	0.08	0.07	0.0	45,233,0	0.03	0.01	0.04	227,46,44	0.13	227	0.87	0.06	0.94
	0.08	0.07	0.0	228,225,0	0.03	3.76e-03	3.76e-03	227,42,42			1.00	0.04	0.96
2812	0.07	0.07	0.0	45,233,0	0.03	0.02	0.04	225,42,44	0.13	225	0.87	0.06	0.94
	0.11	0.09	0.0	228,225,0	0.03	5.61e-03	5.61e-03	225,42,42			1.00	0.04	0.96
2813	0.08	0.07	0.0	45,233,0	0.03	0.01	0.04	225,46,44	0.13	225	0.87	0.06	0.94
	0.08	0.07	0.0	228,225,0	0.03	3.76e-03	3.76e-03	225,42,42			1.00	0.04	0.96
2814	0.07	0.07	0.0	45,233,0	0.03	0.02	0.04	225,42,44	0.13	225	0.87	0.06	0.94
	0.11	0.09	0.0	228,225,0	0.03	5.61e-03	5.61e-03	225,42,42			1.00	0.04	0.96
2819	0.03	0.03	0.0	47,44,0	0.02	0.02	0.02	225,43,43	0.11	225	0.87	0.06	0.94
	0.06	0.05	0.0	228,225,0	0.02	8.97e-03	8.97e-03	225,42,42			1.00	0.04	0.96
2820	0.01	9.92e-03	0.0	47,44,0	0.02	0.02	0.02	225,43,43	0.11	225	0.87	0.06	0.94
	0.01	8.29e-03	0.0	210,45,0	0.02	4.55e-03	4.55e-03	225,42,42			1.00	0.04	0.96
2821	0.05	0.04	0.0	45,44,0	0.02	0.03	0.04	225,42,44	0.11	225	0.87	0.06	0.94
	0.11	0.09	0.0	228,225,0	0.02	5.61e-03	5.61e-03	225,42,42			1.00	0.04	0.96
2822	0.02	0.01	0.0	45,44,0	0.02	0.03	0.03	225,42,44	0.11	225	0.87	0.06	0.94
	0.01	0.01	0.0	45,44,0	0.02	4.55e-03	4.55e-03	225,42,42			1.00	0.04	0.96
2823	0.05	0.04	0.0	45,44,0	0.01	0.03	0.04	225,42,44	0.08	225	0.87	0.06	0.94
	0.11	0.09	0.0	228,225,0	0.01	5.61e-03	5.61e-03	225,42,42			1.00	0.04	0.96
2824	0.02	0.01	0.0	45,44,0	0.01	0.03	0.03	225,42,44	0.08	225	0.87	0.06	0.94
	0.01	0.01	0.0	45,44,0	0.01	3.52e-03	3.52e-03	225,42,42			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.11	0.09	0.0	0.06	0.03	0.04	0.19

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
84	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.51	5.8	193	0.25	2.8	193	0.72	-885.0	-1.431e+05	225

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1494	0.07	0.10	0.0	228,225,0	0.01	9.62e-03	0.02	225,212,209	0.08	225	0.87	0.06	0.94
	0.01	4.32e-03	0.0	213,216,0	0.01	2.02e-04	2.02e-04	225,221,221			1.00	0.04	0.96
1495	0.09	0.10	0.0	225,225,0	0.01	0.01	0.02	225,209,209	0.08	225	0.87	0.06	0.94
	0.02	7.50e-03	0.0	226,227,0	0.01	2.48e-04	2.48e-04	225,240,240			1.00	0.04	0.96
1497	0.09	0.09	0.0	225,228,0	9.35e-03	0.01	0.02	225,209,212	0.07	225	0.87	0.06	0.94
	0.02	7.50e-03	0.0	226,227,0	9.35e-03	2.48e-04	2.48e-04	225,240,240			1.00	0.04	0.96
2873	0.07	0.10	0.0	228,225,0	0.07	9.62e-03	0.02	225,212,213	0.20	225	0.87	0.06	0.94
	0.01	4.32e-03	0.0	213,216,0	0.07	2.02e-04	2.02e-04	225,221,221			1.00	0.04	0.96
2874	0.09	0.10	0.0	225,225,0	0.08	0.01	0.02	225,209,213	0.21	225	0.87	0.06	0.94
	0.02	7.50e-03	0.0	226,227,0	0.08	2.48e-04	2.48e-04	225,240,240			1.00	0.04	0.96
2875	0.05	0.09	0.0	236,233,0	0.07	7.71e-03	0.02	225,211,213	0.20	225	0.87	0.06	0.94
	8.05e-03	2.50e-03	0.0	225,228,0	0.07	1.08e-04	1.08e-04	225,217,217			1.00	0.04	0.96
2876	0.07	0.09	0.0	233,233,0	0.08	7.84e-03	0.02	225,209,213	0.21	225	0.87	0.06	0.94
	0.01	3.70e-03	0.0	226,227,0	0.08	1.14e-04	1.14e-04	225,211,211			1.00	0.04	0.96
2877	0.05	0.06	0.0	225,105,0	0.07	5.12e-03	0.02	225,211,216	0.20	225	0.87	0.06	0.94
	5.55e-03	2.16e-03	0.0	236,233,0	0.07	7.22e-04	7.22e-04	225,211,211			1.00	0.04	0.96
2878	0.05	0.06	0.0	225,105,0	0.07	5.35e-03	0.02	225,209,213	0.21	225	0.87	0.06	0.94
	5.55e-03	2.88e-03	0.0	236,228,0	0.07	7.22e-04	7.22e-04	225,211,211			1.00	0.04	0.96
2879	0.09	0.09	0.0	225,228,0	0.08	0.01	0.02	225,209,216	0.21	225	0.87	0.06	0.94
	0.02	7.50e-03	0.0	226,227,0	0.08	2.48e-04	2.48e-04	225,240,240			1.00	0.04	0.96
2880	0.07	0.07	0.0	233,236,0	0.08	7.84e-03	0.02	225,209,216	0.21	225	0.87	0.06	0.94
	0.01	3.70e-03	0.0	226,227,0	0.08	1.14e-04	1.14e-04	225,211,211			1.00	0.04	0.96
2881	0.04	0.06	0.0	216,231,0	0.07	5.35e-03	0.02	225,209,213	0.21	225	0.87	0.06	0.94
	5.39e-03	2.88e-03	0.0	225,228,0	0.07	6.66e-04	6.66e-04	225,210,210			1.00	0.04	0.96
2882	0.11	0.11	0.0	225,228,0	0.07	2.49e-03	0.02	225,211,212	0.20	225	0.87	0.06	0.94
	0.03	6.24e-03	0.0	233,236,0	0.07	3.69e-03	3.69e-03	225,210,210			1.00	0.04	0.96
2883	0.11	0.11	0.0	225,231,0	0.07	2.82e-03	0.02	225,209,213	0.21	225	0.87	0.06	0.94
	0.03	9.58e-03	0.0	233,225,0	0.07	3.85e-03	3.85e-03	225,210,210			1.00	0.04	0.96
2884	0.11	0.11	0.0	225,228,0	0.07	0.01	0.03	225,209,216	0.20	225	0.87	0.06	0.94
	0.03	6.24e-03	0.0	213,236,0	0.07	3.69e-03	3.69e-03	225,210,210			1.00	0.04	0.96
2885	0.11	0.11	0.0	225,231,0	0.07	0.01	0.03	225,210,213	0.20	225	0.87	0.06	0.94
	0.04	0.01	0.0	230,231,0	0.07	3.92e-03	3.92e-03	225,210,210			1.00	0.04	0.96
2886	0.08	0.11	0.0	230,231,0	0.07	2.82e-03	0.02	225,209,213	0.21	225	0.87	0.06	0.94
	0.03	9.58e-03	0.0	228,225,0	0.07	3.85e-03	3.85e-03	225,210,210			1.00	0.04	0.96
2887	0.08	0.11	0.0	230,231,0	0.07	0.01	0.03	225,210,213	0.20	225	0.87	0.06	0.94
	0.04	0.01	0.0	230,231,0	0.07	3.92e-03	3.92e-03	225,210,210			1.00	0.04	0.96
2888	0.07	0.07	0.0	233,236,0	0.02	0.02	0.03	225,209,216	0.09	225	0.87	0.06	0.94
	0.03	0.01	0.0	213,227,0	0.02	3.57e-03	3.57e-03	225,210,210			1.00	0.04	0.96
2889	0.07	0.07	0.0	233,231,0	0.02	0.02	0.03	225,209,213	0.09	225	0.87	0.06	0.94
	0.04	0.01	0.0	230,227,0	0.02	3.92e-03	3.92e-03	225,210,210			1.00	0.04	0.96
2890	0.02	0.02	0.0	225,228,0	4.33e-03	0.02	0.02	105,209,212	0.05	105	0.87	0.06	0.94
	0.03	0.01	0.0	226,227,0	4.33e-03	1.21e-03	1.21e-03	105,210,210			1.00	0.04	0.96
2891	0.02	0.03	0.0	225,105,0	4.33e-03	0.02	0.02	105,209,212	0.05	105	0.87	0.06	0.94
	0.03	0.01	0.0	226,227,0	4.33e-03	1.21e-03	1.21e-03	105,210,210			1.00	0.04	0.96
2892	0.05	0.07	0.0	230,231,0	0.01	0.01	0.03	228,212,213	0.08	228	0.87	0.06	0.94
	0.04	0.01	0.0	230,231,0	0.01	3.92e-03	3.92e-03	228,210,210			1.00	0.04	0.96
2893	8.52e-03	0.03	0.0	228,105,0	3.85e-03	0.01	0.02	228,212,209	0.05	228	0.87	0.06	0.94
	0.02	5.63e-03	0.0	210,211,0	3.85e-03	6.98e-04	6.98e-04	228,214,214			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.11	0.11	0.0	0.08	0.02	0.03	0.21

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
85	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.34	-20.3	196	0.24	-14.0	182	0.14	-1703.3	2.321e+05	210

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1525	0.02	0.02	0.0	214,215,0	0.05	7.73e-03	0.01	228,67,68	0.17	228	0.87	0.06	0.94
	1.93e-03	3.16e-03	0.0	69,68,0	0.05	3.03e-03	3.03e-03	228,68,68			1.00	0.04	0.96
1542	0.04	0.05	0.0	225,228,0	0.05	0.02	0.03	228,67,68	0.17	228	0.87	0.06	0.94
	0.01	8.32e-03	0.0	212,209,0	0.05	5.49e-03	5.49e-03	228,70,70			1.00	0.04	0.96
1544	0.04	0.05	0.0	227,226,0	0.03	0.03	0.04	212,70,68	0.14	212	0.87	0.06	0.94
	0.01	8.32e-03	0.0	212,209,0	0.03	5.49e-03	5.49e-03	212,70,70			1.00	0.04	0.96
1546	0.04	0.05	0.0	227,226,0	3.01e-04	0.03	0.04	228,70,68	0.01	228	0.87	0.06	0.94
	7.46e-03	8.28e-03	0.0	215,214,0	2.71e-04	3.43e-03	3.43e-03	228,70,70			1.00	0.04	0.96
2903	0.02	0.03	0.0	214,215,0	0.05	7.73e-03	0.01	228,67,68	0.17	228	0.87	0.06	0.94
	6.72e-03	5.74e-03	0.0	69,70,0	0.05	7.26e-03	7.26e-03	228,70,70			1.00	0.04	0.96
2904	0.02	0.03	0.0	234,215,0	0.04	5.50e-03	0.01	228,228,231	0.16	228	0.87	0.06	0.94
	9.40e-03	7.27e-03	0.0	70,66,0	0.04	9.59e-03	9.59e-03	228,70,70			1.00	0.04	0.96
2905	0.03	0.03	0.0	238,239,0	0.04	9.30e-03	0.02	228,228,225	0.15	228	0.87	0.06	0.94
	0.01	8.07e-03	0.0	68,68,0	0.04	0.01	0.01	228,66,66			1.00	0.04	0.96
2912	0.04	0.04	0.0	230,231,0	0.04	9.30e-03	0.02	228,228,225	0.15	228	0.87	0.06	0.94
	0.02	0.01	0.0	228,225,0	0.04	0.01	0.01	228,66,66			1.00	0.04	0.96
2913	0.04	0.04	0.0	230,231,0	0.03	0.01	0.02	228,228,225	0.13	228	0.87	0.06	0.94
	0.03	0.02	0.0	228,225,0	0.03	0.01	0.01	228,233,233			1.00	0.04	0.96
2920	0.04	0.03	0.0	230,231,0	9.19e-03	0.02	0.03	234,225,225	0.07	234	0.87	0.06	0.94
	0.03	0.02	0.0	228,225,0	9.18e-03	0.01	0.01	234,233,233			1.00	0.04	0.96
2921	0.01	0.01	0.0	230,231,0	8.38e-03	0.02	0.03	214,225,225	0.07	214	0.87	0.06	0.94
	9.20e-03	6.20e-03	0.0	228,225,0	8.38e-03	3.89e-03	3.89e-03	214,225,225			1.00	0.04	0.96
2922	0.04	0.05	0.0	225,228,0	0.05	0.02	0.03	228,67,68	0.17	228	0.87	0.06	0.94
	0.01	8.38e-03	0.0	212,66,0	0.05	7.26e-03	7.26e-03	228,70,70			1.00	0.04	0.96
2923	0.05	0.05	0.0	225,228,0	0.04	0.01	0.02	228,67,68	0.16	228	0.87	0.06	0.94
	0.01	0.01	0.0	70,66,0	0.04	9.59e-03	9.59e-03	228,70,70			1.00	0.04	0.96
2924	0.05	0.04	0.0	69,228,0	0.04	9.30e-03	0.02	228,228,68	0.15	228	0.87	0.06	0.94
	0.02	0.01	0.0	68,66,0	0.04	0.01	0.01	228,66,66			1.00	0.04	0.96
2925	0.05	0.05	0.0	69,226,0	0.03	0.03	0.04	212,70,68	0.14	212	0.87	0.06	0.94
	0.01	8.38e-03	0.0	212,66,0	0.03	5.49e-03	5.49e-03	212,70,70			1.00	0.04	0.96
2926	0.07	0.06	0.0	69,68,0	0.03	0.02	0.04	228,66,68	0.13	228	0.87	0.06	0.94
	0.01	0.01	0.0	70,66,0	0.03	3.13e-03	3.13e-03	228,70,70			1.00	0.04	0.96
2927	0.08	0.06	0.0	69,68,0	0.02	9.42e-03	0.03	228,68,68	0.12	228	0.87	0.06	0.94
	0.02	0.01	0.0	68,66,0	0.02	3.38e-03	3.38e-03	228,66,66			1.00	0.04	0.96
2928	0.05	0.05	0.0	69,226,0	2.05e-03	0.03	0.04	226,70,68	0.03	226	0.87	0.06	0.94
	7.46e-03	8.28e-03	0.0	215,214,0	2.02e-03	3.43e-03	3.43e-03	226,70,70			1.00	0.04	0.96
2929	0.07	0.06	0.0	69,68,0	2.76e-03	0.02	0.04	228,66,68	0.04	228	0.87	0.06	0.94
	6.98e-03	7.21e-03	0.0	228,234,0	2.76e-03	3.13e-03	3.13e-03	228,70,70			1.00	0.04	0.96
2930	0.08	0.06	0.0	69,68,0	4.08e-03	9.42e-03	0.03	228,68,68	0.05	228	0.87	0.06	0.94
	9.33e-03	5.80e-03	0.0	209,212,0	4.08e-03	3.38e-03	3.38e-03	228,66,66			1.00	0.04	0.96
2931	0.05	0.04	0.0	69,228,0	0.04	9.30e-03	0.02	228,228,67	0.15	228	0.87	0.06	0.94
	0.05	0.03	0.0	228,225,0	0.04	0.01	0.01	228,66,66			1.00	0.04	0.96
2932	0.05	0.04	0.0	225,231,0	0.03	0.01	0.02	228,67,225	0.13	228	0.87	0.06	0.94
	0.06	0.04	0.0	228,225,0	0.03	0.01	0.01	228,233,233			1.00	0.04	0.96
2933	0.08	0.06	0.0	69,68,0	0.02	0.01	0.04	228,66,66	0.11	228	0.87	0.06	0.94
	0.07	0.04	0.0	212,209,0	0.02	5.13e-03	5.13e-03	228,228,228			1.00	0.04	0.96
2934	0.07	0.05	0.0	72,65,0	0.02	0.02	0.04	228,66,66	0.10	228	0.87	0.06	0.94
	0.08	0.05	0.0	212,209,0	0.02	6.87e-03	6.87e-03	228,225,225			1.00	0.04	0.96
2935	0.08	0.06	0.0	69,68,0	0.01	0.01	0.04	228,66,66	0.08	228	0.87	0.06	0.94
	0.07	0.04	0.0	212,209,0	0.01	5.13e-03	5.13e-03	228,228,228			1.00	0.04	0.96
2936	0.07	0.05	0.0	72,65,0	0.01	0.02	0.04	228,66,66	0.08	228	0.87	0.06	0.94
	0.08	0.05	0.0	212,209,0	0.01	6.87e-03	6.87e-03	228,225,225			1.00	0.04	0.96
2937	0.04	0.03	0.0	230,231,0	0.01	0.02	0.03	214,225,225	0.09	214	0.87	0.06	0.94
	0.06	0.04	0.0	228,225,0	0.01	0.01	0.01	214,233,233			1.00	0.04	0.96
2938	0.01	0.01	0.0	230,231,0	0.01	0.02	0.03	214,225,225	0.09	214	0.87	0.06	0.94
	0.02	0.01	0.0	238,239,0	0.01	4.26e-03	4.26e-03	214,70,70			1.00	0.04	0.96
2939	0.05	0.04	0.0	72,65,0	0.01	0.03	0.04	214,70,66	0.09	214	0.87	0.06	0.94
	0.08	0.05	0.0	212,209,0	0.01	6.87e-03	6.87e-03	214,225,225			1.00	0.04	0.96
2940	0.02	0.01	0.0	72,65,0	0.01	0.03	0.03	214,70,66	0.09	214	0.87	0.06	0.94
	0.02	0.01	0.0	238,239,0	0.01	4.42e-03	4.42e-03	214,70,70			1.00	0.04	0.96
2941	0.05	0.04	0.0	72,65,0	7.68e-03	0.03	0.04	212,70,66	0.07	212	0.87	0.06	0.94
	0.08	0.05	0.0	212,209,0	7.68e-03	6.87e-03	6.87e-03	212,225,225			1.00	0.04	0.96
2942	0.02	0.01	0.0	72,65,0	7.68e-03	0.03	0.03	212,70,66	0.07	212	0.87	0.06	0.94
	0.02	9.39e-03	0.0	238,239,0	7.68e-03	4.42e-03	4.42e-03	212,70,70			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.08	0.06	0.0	0.05	0.03	0.04	0.17

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
86	Legno XLAM n. 1 verticali -legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.29	-39.0	192	0.27	35.7	189	0.13	3315.7	-6.366e+05	237

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1356	0.02	0.03	0.0	224,221,0	0.03	5.75e-03	8.65e-03	221,236,233	0.14	221	0.87	0.06	0.94
	0.03	0.0	0.0	99,0,0	0.03	6.44e-04	6.44e-04	221,211,211			1.00	0.04	0.96
1369	0.08	0.02	0.0	99,108,0	0.05	0.03	0.0399	100,100,100	0.17	99	0.87	0.06	0.94
	0.12	0.02	0.0	99,224,0	0.05	0.01	0.0199	100,100,100			1.00	0.04	0.96
1370	0.08	0.02	0.0	99,108,0	7.73e-03	0.03	0.03224	100,100,100	0.07	224	0.87	0.06	0.94
	0.08	0.02	0.0	99,224,0	7.69e-03	0.01	0.01224	100,100,100			1.00	0.04	0.96
1373	0.02	0.03	0.0	224,221,0	0.03	6.46e-03	8.65e-03	221,236,233	0.14	221	0.87	0.06	0.94
	0.04	0.0	0.0	99,0,0	0.03	8.36e-04	8.36e-04	221,230,230			1.00	0.04	0.96
1376	0.02	2.08e-03	0.0	99,237,0	0.02	7.05e-03	7.05e-03	224,236,236	0.12	224	0.87	0.06	0.94
	0.06	0.0	0.0	99,0,0	0.02	1.37e-03	1.37e-03	224,100,100			1.00	0.04	0.96
1379	0.02	1.17e-03	0.0	99,233,0	0.03	7.06e-03	7.06e-03	224,236,236	0.13	224	0.87	0.06	0.94
	0.09	0.0	0.0	99,0,0	0.03	3.36e-03	3.36e-03	224,100,100			1.00	0.04	0.96
1382	0.01	0.01	0.0	99,224,0	0.05	7.06e-03	7.84e-03	99,236,239	0.17	99	0.87	0.06	0.94
	0.12	7.26e-03	0.0	99,224,0	0.05	5.44e-03	5.44e-03	99,100,100			1.00	0.04	0.96
2714	0.02	0.03	0.0	240,221,0	0.04	5.75e-03	8.65e-03	221,236,233	0.15	221	0.87	0.06	0.94
	0.05	0.0	0.0	99,0,0	0.04	1.92e-03	1.92e-03	221,230,230			1.00	0.04	0.96
2715	0.02	0.03	0.0	240,237,0	0.04	3.41e-03	8.41e-03	221,236,233	0.16	221	0.87	0.06	0.94
	0.05	5.41e-03	0.0	99,46,0	0.04	2.90e-03	2.90e-03	221,226,226			1.00	0.04	0.96
2716	0.02	0.03	0.0	240,237,0	0.04	1.29e-03	7.27e-03	221,233,233	0.16	221	0.87	0.06	0.94
	0.02	8.64e-03	0.0	27,46,0	0.04	3.44e-03	3.44e-03	221,226,226			1.00	0.04	0.96
2733	0.02	0.02	0.0	240,237,0	0.04	1.94e-03	7.17e-03	221,236,233	0.15	221	0.87	0.06	0.94
	0.01	0.01	0.0	43,42,0	0.04	3.44e-03	3.44e-03	221,226,226			1.00	0.04	0.96
2734	0.02	0.02	0.0	240,237,0	0.04	3.32e-03	7.56e-03	221,233,233	0.14	221	0.87	0.06	0.94
	8.21e-03	0.01	0.0	47,33,0	0.04	3.15e-03	3.15e-03	221,227,227			1.00	0.04	0.96
2751	0.01	0.02	0.0	240,237,0	0.03	5.43e-03	7.66e-03	221,233,233	0.13	221	0.87	0.06	0.94
	6.71e-03	0.01	0.0	224,33,0	0.03	2.21e-03	2.21e-03	221,227,227			1.00	0.04	0.96
2752	4.33e-03	0.01	0.0	240,105,0	0.02	5.43e-03	7.66e-03	221,233,233	0.12	221	0.87	0.06	0.94
	2.62e-03	4.82e-03	0.0	224,35,0	0.02	3.00e-04	3.00e-04	221,231,231			1.00	0.04	0.96
2754	0.08	0.04	0.0	99,105,0	0.06	0.03	0.03221	100,100,100	0.19	221	0.87	0.06	0.94
	0.08	0.02	0.0	99,224,0	0.06	0.01	0.01221	100,100,100			1.00	0.04	0.96
2756	0.05	0.04	0.0	237,105,0	0.06	0.01	0.02221	100,107,107	0.19	221	0.87	0.06	0.94
	0.08	0.02	0.0	99,224,0	0.06	0.01	0.01221	100,100,100			1.00	0.04	0.96
2758	0.04	0.04	0.0	237,105,0	0.02	5.78e-03	0.01221	100,236,236	0.12	221	0.87	0.06	0.94
	0.01	2.93e-03	0.0	240,234,0	0.02	4.92e-03	4.92e-03	221,238,238			1.00	0.04	0.96
2760	0.03	0.05	0.0	233,105,0	0.02	5.40e-03	0.01221	236,236,236	0.11	221	0.87	0.06	0.94
	6.32e-03	6.12e-03	0.0	235,105,0	0.02	3.10e-03	3.10e-03	221,236,236			1.00	0.04	0.96
2762	0.03	0.06	0.0	233,105,0	0.02	0.01	0.02221	239,107,107	0.12	221	0.87	0.06	0.94
	0.03	0.03	0.0	224,107,0	0.02	9.59e-03	9.59e-03	221,107,107			1.00	0.04	0.96
2764	8.71e-03	0.06	0.0	233,105,0	0.02	0.02	0.03221	107,107,107	0.12	221	0.87	0.06	0.94
	0.03	0.03	0.0	224,107,0	0.02	9.59e-03	9.59e-03	221,107,107			1.00	0.04	0.96
2765	1.48e-03	0.06	0.0	239,105,0	0.01	0.02	0.03221	107,107,107	0.09	221	0.87	0.06	0.94
	0.03	0.03	0.0	224,107,0	0.01	9.06e-03	9.06e-03	221,107,107			1.00	0.04	0.96
2766	0.0	0.06	0.0	0,105,0	3.66e-03	0.02	0.03221	107,107,107	0.05	221	0.0	0.0	0.0
	0.03	0.03	0.0	224,107,0	3.66e-03	9.06e-03	9.06e-03	221,107,107			1.00	0.04	0.96
2769	4.33e-03	0.01	0.0	240,105,0	0.03	6.51e-03	8.21e-03	221,233,233	0.12	221	0.87	0.06	0.94
	3.77e-03	7.91e-03	0.0	224,107,0	0.03	4.44e-04	4.44e-04	221,33,33			1.00	0.04	0.96
2772	4.11e-03	9.49e-03	0.0	240,105,0	0.03	6.55e-03	8.21e-03	221,235,233	0.12	221	0.87	0.06	0.94
	5.32e-03	0.01	0.0	224,107,0	0.03	1.43e-03	1.43e-03	221,107,107			1.00	0.04	0.96
2775	4.31e-03	5.62e-03	0.0	237,105,0	0.02	7.26e-03	8.89e-03	221,235,235	0.11	221	0.87	0.06	0.94
	0.01	0.02	0.0	224,107,0	0.02	3.45e-03	3.45e-03	221,107,107			1.00	0.04	0.96
2778	4.31e-03	0.02	0.0	237,105,0	0.02	7.74e-03	0.01221	238,238,238	0.10	221	0.87	0.06	0.94
	0.03	0.03	0.0	224,107,0	0.02	4.92e-03	4.92e-03	221,107,107			1.00	0.04	0.96
3067	0.02	0.03	0.0	240,221,0	0.04	6.46e-03	8.65e-03	221,236,233	0.15	221	0.87	0.06	0.94
	0.06	0.0	0.0	99,0,0	0.04	1.92e-03	1.92e-03	221,230,230			1.00	0.04	0.96
3068	0.02	0.03	0.0	240,237,0	0.04	4.00e-03	8.41e-03	221,236,233	0.16	221	0.87	0.06	0.94
	0.06	5.41e-03	0.0	99,46,0	0.04	2.90e-03	2.90e-03	221,226,226			1.00	0.04	0.96
3069	0.02	0.03	0.0	240,237,0	0.04	1.80e-03	7.27e-03	221,237,233	0.16	221	0.87	0.06	0.94
	0.03	8.64e-03	0.0	99,46,0	0.04	3.44e-03	3.44e-03	221,226,226			1.00	0.04	0.96
3070	0.02	0.02	0.0	240,237,0	0.04	2.16e-03	7.17e-03	221,236,233	0.15	221	0.87	0.06	0.94
	0.01	0.01	0.0	43,42,0	0.04	3.44e-03	3.44e-03	221,226,226			1.00	0.04	0.96
3071	0.02	0.02	0.0	236,237,0	0.04	4.00e-03	7.93e-03	221,233,233	0.15	221	0.87	0.06	0.94
	8.21e-03	0.01	0.0	47,105,0	0.04	3.15e-03	3.15e-03	221,227,227			1.00	0.04	0.96
3072	0.01	0.02	0.0	236,237,0	0.03	6.51e-03	8.21e-03	221,233,233	0.14	221	0.87	0.06	0.94
	8.11e-03	0.01	0.0	224,105,0	0.03	2.21e-03	2.21e-03	221,227,227			1.00	0.04	0.96
3073	0.02	8.32e-03	0.0	236,233,0	0.04	7.05e-03	7.54e-03	221,236,233	0.15	221	0.87	0.06	0.94

	0.08	0.0	0.0 99,0,0	0.04	2.50e-03	2.50e-03221,100,100			1.00	0.04	0.96
3074	0.02	0.01	0.0 236,233,0	0.04	4.42e-03	7.54e-03221,233,233	0.16	221	0.87	0.06	0.94
	0.08	7.24e-03	0.0 99,236,0	0.04	2.50e-03	2.50e-03221,100,100			1.00	0.04	0.96
3075	0.02	0.01	0.0 236,233,0	0.04	2.21e-03	6.79e-03221,235,233	0.16	221	0.87	0.06	0.94
	0.03	7.24e-03	0.0 99,236,0	0.04	1.94e-03	1.94e-03221,230,230			1.00	0.04	0.96
3076	0.02	0.01	0.0 236,233,0	0.04	2.31e-03	7.07e-03221,236,233	0.15	221	0.87	0.06	0.94
	0.01	8.42e-03	0.0 237,105,0	0.04	1.95e-03	1.95e-03 221,44,44			1.00	0.04	0.96
3077	0.02	0.01	0.0 236,233,0	0.04	4.38e-03	7.93e-03221,233,233	0.15	221	0.87	0.06	0.94
	8.11e-03	0.02	0.0 224,105,0	0.04	2.22e-03	2.22e-03 221,35,35			1.00	0.04	0.96
3078	0.01	0.01	0.0 240,233,0	0.03	6.55e-03	8.21e-03221,235,233	0.14	221	0.87	0.06	0.94
	8.11e-03	0.02	0.0 224,105,0	0.03	2.22e-03	2.22e-03 221,35,35			1.00	0.04	0.96
3079	0.02	7.24e-03	0.0 236,233,0	0.04	7.06e-03	7.06e-03221,236,236	0.15	221	0.87	0.06	0.94
	0.11	4.77e-03	0.0 99,240,0	0.04	4.14e-03	4.14e-03221,100,100			1.00	0.04	0.96
3080	0.02	9.72e-03	0.0 236,239,0	0.04	4.42e-03	4.42e-03221,233,233	0.15	221	0.87	0.06	0.94
	0.11	9.13e-03	0.0 99,240,0	0.04	4.14e-03	4.14e-03221,100,100			1.00	0.04	0.96
3081	0.02	0.01	0.0 236,233,0	0.04	2.21e-03	2.21e-03221,235,235	0.15	221	0.87	0.06	0.94
	0.03	9.13e-03	0.0 99,240,0	0.04	1.69e-03	1.69e-03221,236,236			1.00	0.04	0.96
3082	0.02	0.01	0.0 236,233,0	0.04	2.31e-03	2.31e-03221,236,236	0.15	221	0.87	0.06	0.94
	0.01	0.01	0.0 235,105,0	0.04	1.76e-03	1.76e-03 221,44,44			1.00	0.04	0.96
3083	0.02	0.01	0.0 236,233,0	0.03	4.38e-03	7.77e-03221,233,236	0.14	221	0.87	0.06	0.94
	0.02	0.03	0.0 224,107,0	0.03	3.39e-03	3.39e-03221,107,107			1.00	0.04	0.96
3084	0.01	8.13e-03	0.0 237,240,0	0.03	7.26e-03	8.89e-03221,235,235	0.14	221	0.87	0.06	0.94
	0.02	0.03	0.0 224,107,0	0.03	3.45e-03	3.45e-03221,107,107			1.00	0.04	0.96
3085	0.01	0.03	0.0 233,107,0	0.05	7.06e-03	8.95e-0399,236,239	0.17	99	0.87	0.06	0.94
	0.14	9.46e-03	0.0 99,240,0	0.05	5.44e-03	5.44e-0399,100,100			1.00	0.04	0.96
3086	0.02	0.03	0.0 233,107,0	0.04	4.40e-03	8.95e-03221,239,239	0.15	221	0.87	0.06	0.94
	0.14	9.46e-03	0.0 99,240,0	0.04	4.14e-03	4.14e-03221,100,100			1.00	0.04	0.96
3087	0.02	0.03	0.0 233,107,0	0.03	3.47e-03	8.33e-03221,236,240	0.14	221	0.87	0.06	0.94
	0.03	9.13e-03	0.0 99,240,0	0.03	2.84e-03	2.84e-03221,100,100			1.00	0.04	0.96
3088	0.02	0.02	0.0 233,236,0	0.03	2.75e-03	8.18e-03221,239,236	0.14	221	0.87	0.06	0.94
	0.01	0.01	0.0 235,105,0	0.03	3.28e-03	3.28e-03221,227,227			1.00	0.04	0.96
3089	0.02	0.02	0.0 233,236,0	0.03	4.22e-03	8.91e-03221,236,236	0.14	221	0.87	0.06	0.94
	0.03	0.04	0.0 224,107,0	0.03	3.39e-03	3.39e-03221,107,107			1.00	0.04	0.96
3090	0.01	0.02	0.0 237,107,0	0.03	7.74e-03	0.01221,238,238	0.13	221	0.87	0.06	0.94
	0.03	0.04	0.0 224,107,0	0.03	4.92e-03	4.92e-03221,107,107			1.00	0.04	0.96
3091	0.08	0.04	0.0 99,105,0	0.06	0.03	0.03221,100,100	0.19	221	0.87	0.06	0.94
	0.14	0.02	0.0 99,224,0	0.06	0.01	0.01221,100,100			1.00	0.04	0.96
3092	0.05	0.04	0.0 237,105,0	0.06	0.01	0.02221,100,107	0.19	221	0.87	0.06	0.94
	0.14	0.02	0.0 99,224,0	0.06	0.01	0.01221,100,100			1.00	0.04	0.96
3093	0.04	0.04	0.0 237,105,0	0.03	5.78e-03	0.01221,100,236	0.13	221	0.87	0.06	0.94
	0.03	6.54e-03	0.0 99,234,0	0.03	4.92e-03	4.92e-03221,238,238			1.00	0.04	0.96
3094	0.03	0.05	0.0 233,105,0	0.03	5.40e-03	0.01221,236,236	0.13	221	0.87	0.06	0.94
	0.01	8.72e-03	0.0 235,105,0	0.03	3.28e-03	3.28e-03221,227,227			1.00	0.04	0.96
3095	0.03	0.06	0.0 233,105,0	0.03	0.01	0.02221,239,107	0.13	221	0.87	0.06	0.94
	0.03	0.04	0.0 224,107,0	0.03	9.59e-03	9.59e-03221,107,107			1.00	0.04	0.96
3096	8.71e-03	0.06	0.0 233,105,0	0.03	0.02	0.03221,107,107	0.13	221	0.87	0.06	0.94
	0.03	0.04	0.0 224,107,0	0.03	9.59e-03	9.59e-03221,107,107			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.14	0.06	0.0	0.06	0.03	0.03	0.19

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
87	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
152	0.02	0.01	0.0	214,215,0	0.04	4.56e-04	2.05e-03	212,68,215	0.14	212	0.36	0.13	0.87
	0.06	0.05	0.0	212,209,0	0.04	3.29e-03	3.29e-03	212,68,68			1.00	0.04	0.96
154	0.02	0.01	0.0	214,215,0	0.15	8.35e-04	2.57e-03	212,235,235	0.30	212	0.36	0.13	0.87
	0.06	0.05	0.0	212,209,0	0.15	3.29e-03	3.29e-03	212,68,68			1.00	0.04	0.96
193	0.02	0.01	0.0	212,209,0	0.15	8.56e-04	2.64e-03	209,234,233	0.29	209	0.36	0.13	0.87
	0.06	0.04	0.0	212,212,0	0.15	5.44e-03	5.44e-03	209,70,70			1.00	0.04	0.96
194	0.02	0.01	0.0	212,209,0	0.03	4.68e-04	1.78e-03	209,69,209	0.14	209	0.36	0.13	0.87
	0.06	0.04	0.0	209,212,0	0.03	5.44e-03	5.44e-03	209,70,70			1.00	0.04	0.96
1587	0.06	0.04	0.0	209,212,0	0.06	3.36e-03	7.08e-03	209,235,240	0.18	209	0.36	0.13	0.87
	0.10	0.06	0.0	209,212,0	0.06	5.44e-03	5.44e-03	209,70,70			1.00	0.04	0.96

1588	0.06	0.04	0.0 209,212,0	0.06	3.36e-03	7.08e-03209,235,240	0.18	209	0.36	0.13	0.87
	0.10	0.06	0.0 209,212,0	0.06	5.02e-03	5.02e-03 209,67,67			1.00	0.04	0.96
1614	0.10	0.07	0.0 212,209,0	0.05	3.43e-03	0.01209,236,213	0.18	212	0.36	0.13	0.87
	0.09	0.07	0.0 212,209,0	0.05	4.16e-03	4.16e-03 212,68,68			1.00	0.04	0.96
1616	0.10	0.07	0.0 212,209,0	0.05	3.43e-03	0.01209,236,213	0.18	212	0.36	0.13	0.87
	0.09	0.07	0.0 212,209,0	0.05	4.16e-03	4.16e-03 212,68,68			1.00	0.04	0.96
3099	0.06	0.04	0.0 209,212,0	0.15	3.36e-03	8.85e-03209,235,235	0.29	209	0.36	0.13	0.87
	0.10	0.06	0.0 209,212,0	0.15	5.44e-03	5.44e-03 209,70,70			1.00	0.04	0.96
3100	0.06	0.04	0.0 209,212,0	0.08	3.36e-03	8.85e-03209,235,235	0.22	209	0.36	0.13	0.87
	0.10	0.06	0.0 209,212,0	0.08	5.02e-03	5.02e-03 209,67,67			1.00	0.04	0.96
3101	0.10	0.07	0.0 212,209,0	0.15	3.43e-03	0.01212,236,213	0.30	212	0.36	0.13	0.87
	0.09	0.07	0.0 212,209,0	0.15	4.16e-03	4.16e-03 212,68,68			1.00	0.04	0.96
3102	0.10	0.07	0.0 212,209,0	0.08	3.43e-03	0.01212,236,213	0.22	212	0.36	0.13	0.87
	0.09	0.07	0.0 212,209,0	0.08	4.16e-03	4.16e-03 212,68,68			1.00	0.04	0.96
3103	0.01	9.26e-03	0.0 210,211,0	0.15	8.35e-04	2.90e-03212,235,235	0.30	212	0.36	0.13	0.87
	0.06	0.04	0.0 209,212,0	0.15	6.88e-04	6.88e-04212,236,236			1.00	0.04	0.96
3104	0.07	0.05	0.0 212,209,0	0.15	1.76e-03	0.01212,236,233	0.30	212	0.36	0.13	0.87
	0.06	0.04	0.0 209,212,0	0.15	6.88e-04	6.88e-04212,236,236			1.00	0.04	0.96
3105	9.03e-03	6.61e-03	0.0 226,227,0	0.15	4.40e-04	2.90e-03212,230,235	0.30	212	0.36	0.13	0.87
	8.82e-03	5.69e-03	0.0 209,209,0	0.15	6.88e-04	6.88e-04212,236,236			1.00	0.04	0.96
3106	0.04	0.03	0.0 212,209,0	0.15	6.61e-04	9.12e-03212,233,233	0.30	212	0.36	0.13	0.87
	8.82e-03	5.69e-03	0.0 209,209,0	0.15	6.88e-04	6.88e-04212,236,236			1.00	0.04	0.96
3107	0.01	8.04e-03	0.0 212,209,0	0.15	8.56e-04	2.86e-03209,234,235	0.29	209	0.36	0.13	0.87
	0.06	0.04	0.0 212,209,0	0.15	7.79e-04	7.79e-04 209,70,70			1.00	0.04	0.96
3108	0.03	0.02	0.0 214,215,0	0.15	1.79e-03	8.85e-03209,235,235	0.29	209	0.36	0.13	0.87
	0.06	0.04	0.0 212,209,0	0.15	7.79e-04	7.79e-04 209,70,70			1.00	0.04	0.96
3109	0.07	0.05	0.0 212,209,0	0.09	1.76e-03	0.01212,236,233	0.24	212	0.36	0.13	0.87
	0.03	0.02	0.0 209,212,0	0.09	2.11e-04	2.11e-04212,228,228			1.00	0.04	0.96
3110	0.04	0.03	0.0 212,209,0	0.09	6.61e-04	9.12e-03212,233,233	0.24	212	0.36	0.13	0.87
	6.93e-03	4.49e-03	0.0 209,212,0	0.09	2.31e-04	2.31e-04 212,70,70			1.00	0.04	0.96
3111	0.03	0.02	0.0 214,215,0	0.09	1.79e-03	8.85e-03212,235,235	0.23	212	0.36	0.13	0.87
	0.04	0.02	0.0 212,209,0	0.09	2.31e-04	2.31e-04 212,70,70			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.10	0.07	0.0	0.15	5.44e-03	0.01	0.30

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
88	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2997	0.03	0.02	0.0 228,225,0		0.04	6.61e-03	0.01209,236,233		0.15	209	0.33	0.14	0.86
	0.03	0.02	0.0 212,209,0		0.04	7.08e-03	7.08e-03209,236,236				1.00	0.04	0.96
3008	0.03	0.02	0.0 228,225,0		0.05	6.61e-03	0.01209,236,233		0.17	209	0.33	0.14	0.86
	0.03	0.02	0.0 212,209,0		0.05	8.12e-03	8.12e-03 209,68,68				1.00	0.04	0.96
3009	0.03	0.02	0.0 214,215,0		0.05	1.89e-03	3.72e-03209,235,235		0.17	209	0.33	0.14	0.86
	0.02	0.02	0.0 215,214,0		0.05	8.12e-03	8.12e-03 209,68,68				1.00	0.04	0.96
3027	0.08	0.06	0.0 209,212,0		0.05	6.48e-03	0.01212,235,240		0.16	212	0.33	0.14	0.86
	0.03	0.02	0.0 209,212,0		0.05	6.86e-03	6.86e-03212,235,235				1.00	0.04	0.96
3035	0.08	0.06	0.0 209,212,0		0.05	6.48e-03	0.01212,235,240		0.16	212	0.33	0.14	0.86
	0.03	0.02	0.0 209,212,0		0.05	6.86e-03	6.86e-03212,235,235				1.00	0.04	0.96
3037	0.01	0.01	0.0 234,235,0		0.04	1.94e-03	3.51e-03212,233,233		0.15	212	0.33	0.14	0.86
	0.03	0.02	0.0 209,212,0		0.04	6.86e-03	6.86e-03212,233,233				1.00	0.04	0.96
3112	0.08	0.06	0.0 209,212,0		0.05	6.48e-03	0.02212,235,240		0.16	212	0.33	0.14	0.86
	0.03	0.02	0.0 209,212,0		0.05	6.86e-03	6.86e-03212,235,235				1.00	0.04	0.96
3113	0.08	0.06	0.0 209,212,0		0.05	6.48e-03	0.02212,235,240		0.17	212	0.33	0.14	0.86
	0.03	0.02	0.0 209,212,0		0.05	6.86e-03	6.86e-03212,235,235				1.00	0.04	0.96
3114	0.06	0.04	0.0 209,212,0		0.03	3.37e-03	0.02212,235,239		0.14	212	0.33	0.14	0.86
	4.89e-03	3.46e-03	0.0 212,209,0		0.03	2.75e-04	2.75e-04212,236,236				1.00	0.04	0.96
3115	0.06	0.04	0.0 209,212,0		0.05	3.37e-03	0.02212,235,239		0.17	212	0.33	0.14	0.86
	4.89e-03	3.46e-03	0.0 212,209,0		0.05	1.93e-03	1.93e-03212,235,235				1.00	0.04	0.96
3116	0.04	0.03	0.0 209,212,0		0.03	1.25e-03	0.02212,236,239		0.13	212	0.33	0.14	0.86
	3.49e-03	2.30e-03	0.0 209,212,0		0.03	2.93e-04	2.93e-04212,236,236				1.00	0.04	0.96
3117	0.04	0.03	0.0 209,212,0		0.05	1.25e-03	0.02209,236,239		0.17	209	0.33	0.14	0.86
	3.49e-03	2.30e-03	0.0 209,212,0		0.05	1.40e-03	1.40e-03209,236,236				1.00	0.04	0.96
3118	0.02	0.02	0.0 234,235,0		0.03	3.55e-03	0.02209,236,235		0.13	209	0.33	0.14	0.86

	6.71e-03	4.48e-03	0.0 209,212,0	0.03	2.93e-04	2.93e-04209,236,236			1.00	0.04	0.96
3119	0.02	0.02	0.0 234,235,0	0.05	3.55e-03	0.02209,236,235	0.18	209	0.33	0.14	0.86
	6.71e-03	4.48e-03	0.0 209,212,0	0.05	1.88e-03	1.88e-03209,234,234			1.00	0.04	0.96
3120	0.03	0.02	0.0 228,225,0	0.04	6.61e-03	0.01209,236,235	0.15	209	0.33	0.14	0.86
	0.03	0.02	0.0 212,209,0	0.04	7.08e-03	7.08e-03209,236,236			1.00	0.04	0.96
3121	0.03	0.02	0.0 228,225,0	0.05	6.61e-03	0.01209,236,235	0.18	209	0.33	0.14	0.86
	0.03	0.02	0.0 212,209,0	0.05	8.12e-03	8.12e-03 209,68,68			1.00	0.04	0.96
3122	0.02	0.01	0.0 214,215,0	0.05	1.32e-03	5.13e-03212,233,235	0.17	212	0.33	0.14	0.86
	5.21e-03	3.61e-03	0.0 214,215,0	0.05	5.41e-03	5.41e-03212,235,235			1.00	0.04	0.96
3123	0.02	0.02	0.0 214,215,0	0.05	1.32e-03	6.44e-03212,233,235	0.17	212	0.33	0.14	0.86
	3.03e-03	2.07e-03	0.0 214,215,0	0.05	1.93e-03	1.93e-03212,235,235			1.00	0.04	0.96
3124	0.02	0.02	0.0 214,215,0	0.05	5.11e-04	6.44e-03209,235,235	0.17	209	0.33	0.14	0.86
	1.27e-03	8.52e-04	0.0 234,235,0	0.05	1.40e-03	1.40e-03209,236,236			1.00	0.04	0.96
3125	0.02	0.02	0.0 214,215,0	0.05	1.15e-03	5.76e-03209,235,239	0.18	209	0.33	0.14	0.86
	2.77e-03	1.90e-03	0.0 236,233,0	0.05	1.88e-03	1.88e-03209,234,234			1.00	0.04	0.96
3126	0.03	0.02	0.0 214,215,0	0.05	1.15e-03	4.86e-03209,235,235	0.18	209	0.33	0.14	0.86
	4.86e-03	3.32e-03	0.0 236,233,0	0.05	3.73e-03	3.73e-03 209,69,69			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.08	0.06	0.0	0.05	8.12e-03	0.02	0.18

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
89	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2957	0.01	7.05e-03	0.0 226,227,0		0.02	4.88e-03	7.85e-03212,236,235		0.11	212	0.33	0.14	0.86
	0.04	0.02	0.0 212,209,0		0.02	6.09e-03	6.09e-03212,236,236				1.00	0.04	0.96
2962	0.02	0.01	0.0 214,215,0		0.03	4.88e-03	7.85e-03212,236,235		0.13	212	0.33	0.14	0.86
	0.04	0.02	0.0 212,209,0		0.03	6.09e-03	6.09e-03212,236,236				1.00	0.04	0.96
2963	0.02	0.01	0.0 214,215,0		0.03	1.68e-03	4.47e-03212,227,227		0.13	212	0.33	0.14	0.86
	0.03	0.02	0.0 228,225,0		0.03	2.84e-03	2.84e-03212,234,234				1.00	0.04	0.96
2988	0.06	0.05	0.0 209,212,0		0.02	5.07e-03	0.01212,233,228		0.12	212	0.33	0.14	0.86
	0.03	0.02	0.0 209,212,0		0.02	6.61e-03	6.61e-03212,234,234				1.00	0.04	0.96
2998	0.06	0.05	0.0 209,212,0		0.04	5.07e-03	0.01212,233,228		0.14	212	0.33	0.14	0.86
	0.04	0.03	0.0 209,212,0		0.04	9.57e-03	9.57e-03 212,69,69				1.00	0.04	0.96
3000	0.02	0.01	0.0 226,215,0		0.04	2.41e-03	4.55e-03 212,68,68		0.14	212	0.33	0.14	0.86
	0.04	0.03	0.0 209,212,0		0.04	9.57e-03	9.57e-03 212,69,69				1.00	0.04	0.96
3127	0.06	0.05	0.0 209,212,0		0.02	5.07e-03	0.01212,233,228		0.12	212	0.33	0.14	0.86
	0.03	0.02	0.0 209,212,0		0.02	6.61e-03	6.61e-03212,234,234				1.00	0.04	0.96
3128	0.06	0.05	0.0 209,212,0		0.04	5.07e-03	0.01212,233,228		0.15	212	0.33	0.14	0.86
	0.04	0.03	0.0 209,212,0		0.04	9.57e-03	9.57e-03 212,69,69				1.00	0.04	0.96
3129	0.04	0.04	0.0 209,212,0		0.02	2.15e-03	0.01212,233,228		0.10	212	0.33	0.14	0.86
	6.01e-03	4.58e-03	0.0 212,209,0		0.02	4.03e-04	4.03e-04212,233,233				1.00	0.04	0.96
3130	0.04	0.04	0.0 209,212,0		0.04	2.15e-03	0.01212,233,228		0.15	212	0.33	0.14	0.86
	6.01e-03	4.58e-03	0.0 212,209,0		0.04	1.73e-03	1.73e-03212,235,235				1.00	0.04	0.96
3131	0.03	0.03	0.0 209,212,0		0.02	2.12e-03	0.01212,233,236		0.10	212	0.33	0.14	0.86
	7.32e-03	4.37e-03	0.0 209,212,0		0.02	4.03e-04	4.03e-04212,233,233				1.00	0.04	0.96
3132	0.03	0.03	0.0 209,212,0		0.04	2.12e-03	0.01212,233,236		0.15	212	0.33	0.14	0.86
	7.32e-03	4.37e-03	0.0 209,212,0		0.04	1.94e-03	1.94e-03212,226,226				1.00	0.04	0.96
3133	0.02	0.01	0.0 209,212,0		0.02	4.88e-03	0.01212,236,236		0.11	212	0.33	0.14	0.86
	0.04	0.02	0.0 212,209,0		0.02	6.09e-03	6.09e-03212,236,236				1.00	0.04	0.96
3134	0.02	0.01	0.0 209,212,0		0.04	4.88e-03	0.01212,236,236		0.15	212	0.33	0.14	0.86
	0.04	0.02	0.0 212,209,0		0.04	6.09e-03	6.09e-03212,236,236				1.00	0.04	0.96
3135	0.02	0.02	0.0 210,211,0		0.04	1.32e-03	4.84e-03212,226,227		0.15	212	0.33	0.14	0.86
	5.46e-03	3.57e-03	0.0 229,232,0		0.04	4.21e-03	4.21e-03212,236,236				1.00	0.04	0.96
3136	0.02	0.02	0.0 214,215,0		0.04	1.35e-03	4.84e-03212,68,227		0.15	212	0.33	0.14	0.86
	2.40e-03	1.75e-03	0.0 225,232,0		0.04	1.73e-03	1.73e-03212,235,235				1.00	0.04	0.96
3137	0.02	0.02	0.0 214,215,0		0.04	1.35e-03	4.80e-03212,68,227		0.15	212	0.33	0.14	0.86
	2.75e-03	1.59e-03	0.0 232,229,0		0.04	1.94e-03	1.94e-03212,226,226				1.00	0.04	0.96
3138	0.02	0.01	0.0 234,235,0		0.04	1.68e-03	4.47e-03212,227,227		0.15	212	0.33	0.14	0.86
	4.36e-03	2.48e-03	0.0 232,229,0		0.04	2.84e-03	2.84e-03212,234,234				1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.06	0.05	0.0	0.04	9.57e-03	0.01	0.15

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
90	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
216	9.17e-03	6.34e-03	0.0	209,212,0	0.04	1.06e-03	2.22e-03	212,214,215	0.15	212	0.36	0.13	0.87
	0.04	0.02	0.0	212,209,0	0.04	5.22e-03	5.22e-03	212,69,69			1.00	0.04	0.96
218	0.02	0.01	0.0	214,215,0	0.10	1.06e-03	2.66e-03	212,214,215	0.24	212	0.36	0.13	0.87
	0.04	0.02	0.0	212,212,0	0.10	5.22e-03	5.22e-03	212,69,69			1.00	0.04	0.96
239	0.02	0.02	0.0	223,222,0	0.07	9.20e-03	0.02	212,222,222	0.21	212	0.36	0.13	0.87
	0.03	0.03	0.0	209,212,0	0.07	2.19e-03	2.19e-03	212,230,230			1.00	0.04	0.96
1553	2.94e-03	2.49e-03	0.0	220,217,0	0.07	3.31e-03	4.29e-03	212,234,235	0.21	212	0.36	0.13	0.87
	0.13	0.09	0.0	209,212,0	0.07	5.65e-03	5.65e-03	212,223,223			1.00	0.04	0.96
1554	0.03	0.03	0.0	209,212,0	0.07	6.73e-03	0.01	212,228,228	0.20	212	0.36	0.13	0.87
	0.13	0.09	0.0	209,212,0	0.07	5.65e-03	5.65e-03	212,223,223			1.00	0.04	0.96
1568	0.01	6.60e-03	0.0	212,209,0	0.06	1.99e-03	2.63e-03	212,235,237	0.19	212	0.36	0.13	0.87
	0.21	0.12	0.0	212,209,0	0.06	9.43e-03	9.43e-03	212,69,69			1.00	0.04	0.96
1571	0.14	0.10	0.0	212,209,0	0.08	5.34e-03	0.01	212,236,209	0.22	212	0.36	0.13	0.87
	0.21	0.12	0.0	212,209,0	0.08	0.01	0.01	212,228,228			1.00	0.04	0.96
3139	0.14	0.10	0.0	212,209,0	0.10	5.34e-03	0.01	212,236,209	0.24	212	0.36	0.13	0.87
	0.21	0.12	0.0	212,209,0	0.10	0.01	0.01	212,228,228			1.00	0.04	0.96
3140	0.14	0.10	0.0	212,209,0	0.09	5.34e-03	0.01	212,236,209	0.23	212	0.36	0.13	0.87
	0.01	2.52e-03	0.0	68,212,0	0.09	0.01	0.01	212,228,228			1.00	0.04	0.96
3141	0.02	0.01	0.0	214,215,0	0.10	1.73e-03	4.05e-03	212,215,215	0.24	212	0.36	0.13	0.87
	0.04	0.02	0.0	209,212,0	0.10	2.52e-03	2.52e-03	212,68,68			1.00	0.04	0.96
3142	0.06	0.05	0.0	212,209,0	0.10	1.73e-03	7.15e-03	212,215,225	0.24	212	0.36	0.13	0.87
	0.04	0.02	0.0	209,212,0	0.10	2.52e-03	2.52e-03	212,68,68			1.00	0.04	0.96
3143	6.78e-03	5.58e-03	0.0	215,214,0	0.10	2.75e-03	7.80e-03	212,223,222	0.24	212	0.36	0.13	0.87
	0.01	9.85e-03	0.0	212,209,0	0.10	1.27e-03	1.27e-03	212,225,225			1.00	0.04	0.96
3144	0.03	0.03	0.0	212,209,0	0.10	2.75e-03	7.80e-03	212,223,222	0.24	212	0.36	0.13	0.87
	0.01	9.85e-03	0.0	212,209,0	0.10	2.23e-03	2.23e-03	212,229,229			1.00	0.04	0.96
3145	0.02	0.02	0.0	223,222,0	0.09	9.20e-03	0.02	212,222,222	0.23	212	0.36	0.13	0.87
	9.41e-03	7.84e-03	0.0	215,214,0	0.09	1.78e-03	1.78e-03	212,225,225			1.00	0.04	0.96
3146	0.03	0.03	0.0	209,212,0	0.09	9.20e-03	0.02	212,222,222	0.23	212	0.36	0.13	0.87
	0.13	0.09	0.0	209,212,0	0.09	5.65e-03	5.65e-03	212,223,223			1.00	0.04	0.96
3147	0.06	0.05	0.0	212,209,0	0.09	1.70e-03	7.15e-03	212,68,225	0.23	212	0.36	0.13	0.87
	3.19e-03	2.47e-03	0.0	215,214,0	0.09	1.89e-03	1.89e-03	212,236,236			1.00	0.04	0.96
3148	0.03	0.03	0.0	212,209,0	0.08	2.06e-03	5.28e-03	212,235,229	0.22	212	0.36	0.13	0.87
	3.19e-03	2.47e-03	0.0	215,214,0	0.08	2.23e-03	2.23e-03	212,229,229			1.00	0.04	0.96
3149	0.03	0.03	0.0	209,212,0	0.07	6.73e-03	0.01	212,228,228	0.20	212	0.36	0.13	0.87
	4.77e-03	4.45e-03	0.0	209,212,0	0.07	4.42e-03	4.42e-03	212,229,229			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.21	0.12	0.0	0.10	0.01	0.02	0.24

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
91	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
242	6.26e-03	5.48e-03	0.0	210,211,0	0.08	3.26e-03	4.18e-03	212,225,225	0.21	212	0.36	0.13	0.87
	0.04	0.03	0.0	212,209,0	0.08	5.48e-03	5.48e-03	212,225,225			1.00	0.04	0.96
275	0.02	0.01	0.0	212,209,0	0.10	2.36e-03	4.23e-03	209,225,225	0.24	209	0.36	0.13	0.87
	0.06	0.06	0.0	233,236,0	0.10	7.92e-03	7.92e-03	209,68,68			1.00	0.04	0.96
276	7.75e-03	6.58e-03	0.0	212,209,0	0.02	2.36e-03	4.23e-03	212,225,225	0.12	212	0.36	0.13	0.87
	0.06	0.06	0.0	233,236,0	0.02	7.92e-03	7.92e-03	212,68,68			1.00	0.04	0.96
1532	0.03	0.02	0.0	209,212,0	0.04	5.01e-03	8.46e-03	212,225,228	0.16	212	0.36	0.13	0.87

	0.22	0.16	0.0 209,212,0	0.04	0.02	0.02 212,68,68			1.00	0.04	0.96
1533	0.15	0.12	0.0 209,212,0	0.05	5.01e-03	0.04212,225,228	0.18	212	0.36	0.13	0.87
	0.22	0.16	0.0 209,212,0	0.05	0.02	0.02 212,68,68			1.00	0.04	0.96
1547	6.47e-03	5.48e-03	0.0 210,211,0	0.08	3.26e-03	4.18e-03212,225,225	0.21	212	0.36	0.13	0.87
	0.14	0.09	0.0 212,209,0	0.08	9.85e-03	9.85e-03212,225,225			1.00	0.04	0.96
1549	0.03	0.02	0.0 212,209,0	0.07	0.01	0.01212,227,229	0.20	212	0.36	0.13	0.87
	0.14	0.09	0.0 212,209,0	0.07	0.03	0.03212,226,226			1.00	0.04	0.96
3150	0.15	0.12	0.0 209,212,0	0.10	5.01e-03	0.04209,225,228	0.24	209	0.36	0.13	0.87
	0.22	0.16	0.0 209,212,0	0.10	0.02	0.02 209,68,68			1.00	0.04	0.96
3151	0.15	0.12	0.0 209,212,0	0.07	3.43e-03	0.04209,227,228	0.20	209	0.36	0.13	0.87
	0.01	0.01	0.0 235,234,0	0.07	4.58e-03	4.58e-03 209,68,68			1.00	0.04	0.96
3152	2.70e-03	2.27e-03	0.0 215,214,0	0.09	1.64e-03	2.15e-03 212,68,68	0.23	212	0.36	0.13	0.87
	6.29e-03	5.68e-03	0.0 209,212,0	0.09	5.48e-03	5.48e-03212,225,225			1.00	0.04	0.96
3153	0.03	0.02	0.0 212,209,0	0.09	0.01	0.01212,227,229	0.23	212	0.36	0.13	0.87
	0.14	0.09	0.0 212,209,0	0.09	0.03	0.03212,226,226			1.00	0.04	0.96
3154	8.88e-03	7.39e-03	0.0 212,209,0	0.10	8.06e-04	2.28e-03209,70,225	0.24	209	0.36	0.13	0.87
	0.02	0.01	0.0 209,212,0	0.10	1.41e-03	1.41e-03209,226,226			1.00	0.04	0.96
3155	0.05	0.04	0.0 209,212,0	0.10	4.12e-03	0.02209,227,228	0.24	209	0.36	0.13	0.87
	0.02	0.01	0.0 209,212,0	0.10	3.05e-03	3.05e-03209,226,226			1.00	0.04	0.96
3156	0.02	0.01	0.0 212,209,0	0.10	1.72e-03	3.39e-03209,225,225	0.24	209	0.36	0.13	0.87
	0.05	0.04	0.0 212,209,0	0.10	2.67e-03	2.67e-03 209,70,70			1.00	0.04	0.96
3157	0.08	0.06	0.0 209,212,0	0.10	3.18e-03	0.02209,68,228	0.24	209	0.36	0.13	0.87
	0.05	0.04	0.0 212,209,0	0.10	2.67e-03	2.67e-03 209,70,70			1.00	0.04	0.96
3158	0.03	0.02	0.0 212,209,0	0.07	0.01	0.01212,227,229	0.20	212	0.36	0.13	0.87
	4.65e-03	2.99e-03	0.0 232,229,0	0.07	0.03	0.03212,226,226			1.00	0.04	0.96
3159	0.05	0.04	0.0 209,212,0	0.07	4.12e-03	0.02209,227,228	0.21	209	0.36	0.13	0.87
	2.83e-03	2.26e-03	0.0 209,212,0	0.07	3.05e-03	3.05e-03209,226,226			1.00	0.04	0.96
3160	0.08	0.06	0.0 209,212,0	0.07	3.18e-03	0.02209,68,228	0.21	209	0.36	0.13	0.87
	5.13e-03	5.18e-03	0.0 215,214,0	0.07	1.72e-03	1.72e-03209,225,225			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.22	0.16	0.0	0.10	0.03	0.04	0.24

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
92	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2936	0.05	0.03	0.0	212,209,0	0.02	5.69e-03	0.01212,227,229		0.11	212	0.33	0.14	0.86
	0.03	0.02	0.0	212,209,0	0.02	5.78e-03	5.78e-03212,226,226				1.00	0.04	0.96
2941	0.05	0.03	0.0	212,209,0	0.02	5.69e-03	0.01212,227,229		0.11	212	0.33	0.14	0.86
	0.03	0.02	0.0	212,209,0	0.02	0.01	0.01 212,70,70				1.00	0.04	0.96
2942	0.02	0.01	0.0	214,215,0	0.02	3.40e-03	3.40e-03 212,66,66		0.10	212	0.33	0.14	0.86
	0.02	0.01	0.0	212,225,0	0.02	0.01	0.01 212,70,70				1.00	0.04	0.96
2954	0.02	0.01	0.0	214,215,0	0.02	5.31e-03	8.82e-03212,226,227		0.11	212	0.33	0.14	0.86
	0.03	0.03	0.0	209,212,0	0.02	6.36e-03	6.36e-03212,226,226				1.00	0.04	0.96
2958	0.02	0.01	0.0	214,215,0	0.03	5.31e-03	8.82e-03212,226,227		0.12	212	0.33	0.14	0.86
	0.03	0.03	0.0	209,212,0	0.03	8.71e-03	8.71e-03212,228,228				1.00	0.04	0.96
2960	0.02	0.01	0.0	226,227,0	0.03	1.73e-03	2.65e-03212,68,225		0.12	212	0.33	0.14	0.86
	0.03	0.02	0.0	209,212,0	0.03	8.71e-03	8.71e-03212,228,228				1.00	0.04	0.96
3161	0.02	0.01	0.0	214,215,0	0.02	5.31e-03	0.01212,226,227		0.11	212	0.33	0.14	0.86
	0.03	0.03	0.0	209,212,0	0.02	6.36e-03	6.36e-03212,226,226				1.00	0.04	0.96
3162	0.02	0.01	0.0	226,227,0	0.03	5.31e-03	0.01212,226,227		0.13	212	0.33	0.14	0.86
	0.03	0.03	0.0	209,212,0	0.03	8.71e-03	8.71e-03212,228,228				1.00	0.04	0.96
3163	0.03	0.02	0.0	228,225,0	0.02	2.17e-03	0.01212,226,227		0.10	212	0.33	0.14	0.86
	7.03e-03	4.75e-03	0.0	212,209,0	0.02	4.04e-04	4.04e-04212,239,239				1.00	0.04	0.96
3164	0.03	0.02	0.0	228,225,0	0.03	2.17e-03	0.01212,226,227		0.13	212	0.33	0.14	0.86
	7.03e-03	4.75e-03	0.0	212,209,0	0.03	2.09e-03	2.09e-03212,225,225				1.00	0.04	0.96
3165	0.04	0.02	0.0	228,225,0	0.02	2.62e-03	0.01212,225,229		0.10	212	0.33	0.14	0.86
	5.53e-03	3.07e-03	0.0	209,212,0	0.02	3.83e-04	3.83e-04 212,70,70				1.00	0.04	0.96
3166	0.04	0.02	0.0	228,225,0	0.03	2.62e-03	0.01212,225,229		0.12	212	0.33	0.14	0.86
	5.53e-03	3.07e-03	0.0	209,212,0	0.03	1.61e-03	1.61e-03212,226,226				1.00	0.04	0.96
3167	0.05	0.03	0.0	212,209,0	0.02	5.69e-03	0.01212,227,229		0.11	212	0.33	0.14	0.86
	0.03	0.02	0.0	212,209,0	0.02	5.78e-03	5.78e-03212,226,226				1.00	0.04	0.96
3168	0.05	0.03	0.0	212,209,0	0.02	5.69e-03	0.01212,227,229		0.12	212	0.33	0.14	0.86
	0.03	0.02	0.0	212,209,0	0.02	0.01	0.01 212,70,70				1.00	0.04	0.96

3169	0.02	0.01	0.0	226,227,0	0.03	1.73e-03	3.74e-03	212,68,225	0.13	212	0.33	0.14	0.86
	4.73e-03	3.29e-03	0.0	229,232,0	0.03	4.87e-03	4.87e-03	212,226,226			1.00	0.04	0.96
3170	0.01	8.44e-03	0.0	226,227,0	0.03	1.72e-03	3.81e-03	212,69,225	0.13	212	0.33	0.14	0.86
	2.46e-03	1.48e-03	0.0	229,232,0	0.03	2.09e-03	2.09e-03	212,225,225			1.00	0.04	0.96
3171	0.01	6.69e-03	0.0	234,235,0	0.03	1.72e-03	3.81e-03	212,69,225	0.12	212	0.33	0.14	0.86
	3.02e-03	1.77e-03	0.0	228,225,0	0.03	1.61e-03	1.61e-03	212,226,226			1.00	0.04	0.96
3172	0.02	0.01	0.0	214,215,0	0.02	1.61e-03	3.21e-03	212,66,231	0.12	212	0.33	0.14	0.86
	5.51e-03	3.52e-03	0.0	68,69,0	0.02	4.29e-03	4.29e-03	212,66,66			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.05	0.03	0.0	0.03	0.01	0.01	0.13

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
93	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
312	6.20e-03	6.33e-03	0.0	233,236,0	0.05	2.19e-03	3.90e-03	228,209,212	0.17	228	0.36	0.13	0.87
	0.06	0.08	0.0	228,225,0	0.05	7.76e-03	7.76e-03	228,44,44			1.00	0.04	0.96
314	0.01	0.01	0.0	225,228,0	0.21	2.19e-03	3.90e-03	228,209,212	0.35	228	0.36	0.13	0.87
	0.06	0.08	0.0	228,225,0	0.21	7.76e-03	7.76e-03	228,44,44			1.00	0.04	0.96
335	1.73e-03	4.48e-03	0.0	45,44,0	0.15	9.35e-04	3.22e-03	225,212,44	0.30	225	0.36	0.13	0.87
	0.02	0.02	0.0	225,228,0	0.15	4.57e-03	4.57e-03	225,212,212			1.00	0.04	0.96
1483	5.17e-03	6.52e-03	0.0	232,229,0	0.15	2.45e-03	4.79e-03	225,212,209	0.30	225	0.36	0.13	0.87
	0.14	0.11	0.0	225,228,0	0.15	4.57e-03	4.57e-03	225,212,212			1.00	0.04	0.96
1484	0.03	0.03	0.0	225,228,0	0.10	9.96e-03	0.01	225,212,212	0.25	225	0.36	0.13	0.87
	0.14	0.11	0.0	225,228,0	0.10	6.81e-03	6.81e-03	225,212,212			1.00	0.04	0.96
1498	0.03	0.02	0.0	228,225,0	0.07	4.80e-03	8.07e-03	225,212,209	0.21	225	0.36	0.13	0.87
	0.27	0.22	0.0	228,225,0	0.07	0.02	0.02	225,212,212			1.00	0.04	0.96
1500	0.19	0.13	0.0	228,225,0	0.09	4.80e-03	0.03	225,212,209	0.23	225	0.36	0.13	0.87
	0.27	0.22	0.0	228,225,0	0.09	0.02	0.02	225,212,212			1.00	0.04	0.96
3173	0.19	0.13	0.0	228,225,0	0.21	4.80e-03	0.03	228,212,209	0.35	228	0.36	0.13	0.87
	0.27	0.22	0.0	228,225,0	0.21	0.02	0.02	228,212,212			1.00	0.04	0.96
3174	0.19	0.13	0.0	228,225,0	0.15	3.20e-03	0.03	228,44,209	0.29	228	0.36	0.13	0.87
	4.61e-03	0.01	0.0	215,214,0	0.15	0.01	0.01	228,210,210			1.00	0.04	0.96
3175	0.01	0.01	0.0	225,228,0	0.21	1.51e-03	3.05e-03	228,212,212	0.35	228	0.36	0.13	0.87
	0.05	0.04	0.0	225,228,0	0.21	1.72e-03	1.72e-03	228,45,45			1.00	0.04	0.96
3176	0.08	0.06	0.0	228,225,0	0.21	3.36e-03	0.02	228,212,209	0.35	228	0.36	0.13	0.87
	0.05	0.04	0.0	225,228,0	0.21	1.82e-03	1.82e-03	228,209,209			1.00	0.04	0.96
3177	1.73e-03	4.48e-03	0.0	45,44,0	0.17	9.35e-04	3.22e-03	228,212,44	0.31	228	0.36	0.13	0.87
	0.03	0.02	0.0	228,228,0	0.17	4.57e-03	4.57e-03	228,212,212			1.00	0.04	0.96
3178	0.03	0.03	0.0	228,228,0	0.17	9.96e-03	0.01	228,212,212	0.31	228	0.36	0.13	0.87
	0.14	0.11	0.0	225,228,0	0.17	6.81e-03	6.81e-03	228,212,212			1.00	0.04	0.96
3179	0.08	0.06	0.0	228,225,0	0.15	3.36e-03	0.02	228,212,209	0.29	228	0.36	0.13	0.87
	5.03e-03	3.84e-03	0.0	100,210,0	0.15	1.82e-03	1.82e-03	228,209,209			1.00	0.04	0.96
3180	0.03	0.03	0.0	228,228,0	0.11	9.96e-03	0.01	228,212,212	0.26	228	0.36	0.13	0.87
	7.56e-03	6.75e-04	0.0	99,231,0	0.11	6.81e-03	6.81e-03	228,212,212			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.27	0.22	0.0	0.21	0.02	0.03	0.35

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
94	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B

2887	0.02	5.89e-03	0.0	230,231,0	0.05	4.93e-03	4.93e-03	225,210,210	0.17	225	0.33	0.14	0.86
	0.04	0.04	0.0	228,225,0	0.05	5.67e-03	5.67e-03	225,210,210			1.00	0.04	0.96
2892	0.02	5.89e-03	0.0	230,231,0	0.06	4.93e-03	4.93e-03	225,210,210	0.18	225	0.33	0.14	0.86
	0.04	0.04	0.0	228,225,0	0.06	5.67e-03	5.67e-03	225,210,210			1.00	0.04	0.96
2893	0.01	8.79e-03	0.0	225,211,0	0.06	1.69e-03	2.80e-03	225,212,212	0.19	225	0.33	0.14	0.86
	0.02	0.03	0.0	228,225,0	0.06	2.33e-03	2.33e-03	225,45,45			1.00	0.04	0.96
2908	0.07	0.05	0.0	225,228,0	0.06	5.21e-03	0.01	228,211,216	0.19	228	0.33	0.14	0.86
	0.03	0.03	0.0	225,228,0	0.06	5.48e-03	5.48e-03	228,210,210			1.00	0.04	0.96
2914	0.07	0.05	0.0	225,228,0	0.06	5.21e-03	0.01	228,211,216	0.19	228	0.33	0.14	0.86
	0.03	0.03	0.0	225,228,0	0.06	0.01	0.01	228,45,45			1.00	0.04	0.96
2916	0.02	0.02	0.0	226,227,0	0.06	2.84e-03	3.28e-03	228,45,209	0.19	228	0.33	0.14	0.86
	0.02	0.03	0.0	225,33,0	0.06	0.01	0.01	228,45,45			1.00	0.04	0.96
3181	0.07	0.05	0.0	225,228,0	0.06	5.21e-03	0.01	228,211,216	0.19	228	0.33	0.14	0.86
	0.03	0.03	0.0	225,228,0	0.06	5.48e-03	5.48e-03	228,210,210			1.00	0.04	0.96
3182	0.07	0.05	0.0	225,228,0	0.06	5.21e-03	0.01	228,211,216	0.19	228	0.33	0.14	0.86
	0.03	0.03	0.0	225,228,0	0.06	0.01	0.01	228,45,45			1.00	0.04	0.96
3183	0.05	0.02	0.0	225,228,0	0.04	1.57e-03	0.01	228,212,216	0.15	228	0.33	0.14	0.86
	0.01	0.01	0.0	225,228,0	0.04	1.37e-04	1.37e-04	228,228,228			1.00	0.04	0.96
3184	0.05	0.02	0.0	225,228,0	0.06	1.73e-03	0.01	228,45,216	0.18	228	0.33	0.14	0.86
	0.01	0.02	0.0	225,105,0	0.06	1.45e-03	1.45e-03	228,209,209			1.00	0.04	0.96
3185	0.03	6.41e-03	0.0	213,216,0	0.05	4.93e-03	4.93e-03	225,210,210	0.17	225	0.33	0.14	0.86
	0.04	0.04	0.0	228,225,0	0.05	5.67e-03	5.67e-03	225,210,210			1.00	0.04	0.96
3186	0.03	8.79e-03	0.0	213,211,0	0.06	4.93e-03	4.93e-03	225,210,210	0.19	225	0.33	0.14	0.86
	0.04	0.04	0.0	228,225,0	0.06	5.67e-03	5.67e-03	225,210,210			1.00	0.04	0.96
3187	0.02	0.02	0.0	226,227,0	0.06	1.73e-03	3.42e-03	228,45,46	0.19	228	0.33	0.14	0.86
	0.0	0.03	0.0	0,107,0	0.06	5.31e-03	5.31e-03	228,210,210			0.0	0.0	0.0
3188	8.71e-03	7.02e-03	0.0	210,211,0	0.06	1.73e-03	3.81e-03	228,45,212	0.18	228	0.33	0.14	0.86
	0.0	0.02	0.0	0,105,0	0.06	1.45e-03	1.45e-03	228,209,209			0.0	0.0	0.0
3189	9.41e-03	8.79e-03	0.0	210,211,0	0.06	1.69e-03	3.81e-03	225,45,212	0.19	225	0.33	0.14	0.86
	0.0	0.03	0.0	0,105,0	0.06	2.29e-03	2.29e-03	225,209,209			0.0	0.0	0.0

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.07	0.05	0.0	0.06	0.01	0.01	0.19

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
95	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
732	0.01	9.79e-03	0.0	211,233,0	0.12	2.61e-04	1.29e-03	233,217,210	0.27	233	0.33	0.14	0.86
	0.03	0.02	0.0	233,236,0	0.12	6.35e-03	6.35e-03	233,219,219			1.00	0.04	0.96
734	0.03	0.03	0.0	235,234,0	0.10	3.03e-03	5.58e-03	233,217,222	0.25	233	0.33	0.14	0.86
	0.03	0.02	0.0	233,236,0	0.10	4.77e-03	4.77e-03	233,217,217			1.00	0.04	0.96
764	0.03	0.03	0.0	235,234,0	0.12	3.03e-03	5.58e-03	233,217,222	0.27	233	0.33	0.14	0.86
	0.03	0.02	0.0	233,236,0	0.12	6.35e-03	6.35e-03	233,219,219			1.00	0.04	0.96
2008	0.03	0.03	0.0	235,234,0	0.10	3.03e-03	5.58e-03	233,217,222	0.25	233	0.33	0.14	0.86
	0.03	0.02	0.0	233,236,0	0.10	4.77e-03	4.77e-03	233,217,217			1.00	0.04	0.96
2009	0.03	0.03	0.0	235,234,0	0.14	3.03e-03	5.58e-03	233,217,222	0.29	233	0.33	0.14	0.86
	0.03	0.02	0.0	233,236,0	0.14	6.35e-03	6.35e-03	233,219,219			1.00	0.04	0.96
2012	0.04	0.04	0.0	236,233,0	0.11	2.97e-03	6.06e-03	233,219,223	0.25	233	0.33	0.14	0.86
	0.03	0.02	0.0	236,233,0	0.11	4.67e-03	4.67e-03	233,219,219			1.00	0.04	0.96
2022	0.04	0.04	0.0	236,233,0	0.14	2.97e-03	6.06e-03	233,219,223	0.29	233	0.33	0.14	0.86
	0.03	0.02	0.0	236,233,0	0.14	4.67e-03	4.67e-03	233,219,219			1.00	0.04	0.96
2023	0.01	9.46e-03	0.0	211,210,0	0.14	2.61e-04	1.29e-03	233,217,210	0.29	233	0.33	0.14	0.86
	4.55e-03	2.92e-03	0.0	233,236,0	0.14	2.86e-03	2.86e-03	233,217,217			1.00	0.04	0.96
2025	0.03	0.02	0.0	227,226,0	0.14	2.59e-04	2.18e-03	233,211,210	0.29	233	0.33	0.14	0.86
	4.83e-03	3.17e-03	0.0	238,239,0	0.14	2.34e-03	2.34e-03	233,220,220			1.00	0.04	0.96
2034	0.04	0.04	0.0	236,233,0	0.11	2.97e-03	6.06e-03	233,219,223	0.25	233	0.33	0.14	0.86
	0.03	0.02	0.0	236,233,0	0.11	4.67e-03	4.67e-03	233,219,219			1.00	0.04	0.96
2496	0.04	0.04	0.0	236,233,0	0.13	2.97e-03	6.06e-03	235,219,223	0.28	235	0.33	0.14	0.86
	0.03	0.02	0.0	236,233,0	0.13	4.67e-03	4.67e-03	235,219,219			1.00	0.04	0.96
2574	0.03	0.02	0.0	227,226,0	0.13	2.59e-04	2.18e-03	235,211,210	0.28	235	0.33	0.14	0.86
	0.03	0.02	0.0	236,233,0	0.13	2.36e-03	2.36e-03	235,217,217			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.04	0.04	0.0	0.14	6.35e-03	6.35e-03	0.29

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
96	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
731	0.06	0.04	0.0	233,236,0	0.31	2.03e-03	5.70e-03	233,217,228	0.43	233	0.33	0.14	0.86
	0.04	0.03	0.0	233,236,0	0.31	2.83e-03	2.83e-03	217,217			1.00	0.04	0.96
733	0.06	0.04	0.0	233,236,0	0.36	2.03e-03	5.70e-03	217,228	0.46	233	0.33	0.14	0.86
	0.04	0.03	0.0	233,236,0	0.36	5.27e-03	5.27e-03	219,219			1.00	0.04	0.96
751	0.03	0.03	0.0	234,235,0	0.37	4.61e-04	2.94e-03	218,235	0.47	233	0.33	0.14	0.86
	0.01	0.03	0.0	237,240,0	0.37	5.27e-03	5.27e-03	219,219			1.00	0.04	0.96
2004	0.07	0.06	0.0	236,233,0	0.32	2.39e-03	7.73e-03	219,231	0.44	233	0.33	0.14	0.86
	0.04	0.03	0.0	234,235,0	0.32	3.24e-03	3.24e-03	219,219			1.00	0.04	0.96
2005	0.07	0.06	0.0	236,233,0	0.36	2.39e-03	7.73e-03	219,231	0.46	233	0.33	0.14	0.86
	0.04	0.03	0.0	234,235,0	0.36	3.24e-03	3.24e-03	219,219			1.00	0.04	0.96
2006	0.04	0.03	0.0	226,227,0	0.37	4.64e-04	3.81e-03	219,227	0.47	233	0.33	0.14	0.86
	5.35e-03	0.03	0.0	234,235,0	0.37	1.42e-03	1.42e-03	219,219			1.00	0.04	0.96
2038	0.06	0.04	0.0	233,236,0	0.31	2.03e-03	5.70e-03	217,228	0.43	233	0.33	0.14	0.86
	0.04	0.03	0.0	233,236,0	0.31	2.83e-03	2.83e-03	217,217			1.00	0.04	0.96
2039	0.06	0.04	0.0	233,236,0	0.39	2.03e-03	5.70e-03	217,228	0.48	233	0.33	0.14	0.86
	0.04	0.03	0.0	233,236,0	0.39	5.27e-03	5.27e-03	219,219			1.00	0.04	0.96
2401	0.07	0.06	0.0	236,233,0	0.32	2.39e-03	7.73e-03	219,231	0.44	233	0.33	0.14	0.86
	0.04	0.03	0.0	234,235,0	0.32	3.24e-03	3.24e-03	219,219			1.00	0.04	0.96
2402	0.07	0.06	0.0	236,233,0	0.39	2.39e-03	7.73e-03	219,231	0.48	233	0.33	0.14	0.86
	0.04	0.03	0.0	234,235,0	0.39	3.24e-03	3.24e-03	219,219			1.00	0.04	0.96
2500	9.84e-03	8.45e-03	0.0	240,237,0	0.39	2.65e-04	1.17e-03	218,237	0.48	233	0.33	0.14	0.86
	4.45e-03	4.19e-03	0.0	233,236,0	0.39	2.25e-03	2.25e-03	217,217			1.00	0.04	0.96
2501	0.04	0.03	0.0	226,227,0	0.39	4.64e-04	3.81e-03	219,227	0.48	233	0.33	0.14	0.86
	3.80e-03	4.19e-03	0.0	238,239,0	0.39	1.47e-03	1.47e-03	220,220			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.07	0.06	0.0	0.39	5.27e-03	7.73e-03	0.48

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
97	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
756	0.06	0.05	0.0	233,236,0	0.30	8.56e-04	5.28e-03	223,236	0.42	233	0.29	0.16	0.84
	0.01	0.02	0.0	234,235,0	0.30	1.03e-03	1.03e-03	217,217			1.00	0.04	0.96
767	0.06	0.05	0.0	233,236,0	0.40	8.56e-04	5.28e-03	223,236	0.49	233	0.29	0.16	0.84
	0.10	0.10	0.0	234,235,0	0.40	2.62e-03	2.62e-03	221,221			1.00	0.04	0.96
768	0.03	0.03	0.0	234,235,0	0.44	6.40e-04	3.14e-03	219,227	0.51	233	0.29	0.16	0.84
	0.10	0.10	0.0	234,235,0	0.44	2.62e-03	2.62e-03	221,221			1.00	0.04	0.96
777	0.09	0.08	0.0	234,235,0	0.32	1.34e-03	8.57e-03	217,235	0.44	233	0.29	0.16	0.84
	9.92e-03	0.02	0.0	237,240,0	0.32	1.24e-03	1.24e-03	219,219			1.00	0.04	0.96
2026	0.09	0.08	0.0	234,235,0	0.40	1.34e-03	8.57e-03	217,235	0.48	233	0.29	0.16	0.84
	0.09	0.10	0.0	233,236,0	0.40	1.37e-03	1.37e-03	221,221			1.00	0.04	0.96
2027	0.01	0.02	0.0	210,240,0	0.43	8.14e-04	2.15e-03	218,219	0.50	233	0.29	0.16	0.84
	0.09	0.10	0.0	233,236,0	0.43	1.37e-03	1.37e-03	221,221			1.00	0.04	0.96
3222	0.06	0.05	0.0	233,236,0	0.31	8.56e-04	5.28e-03	223,236	0.43	233	0.29	0.16	0.84
	0.01	0.02	0.0	234,235,0	0.31	1.03e-03	1.03e-03	217,217			1.00	0.04	0.96
3223	0.06	0.05	0.0	233,236,0	0.44	8.56e-04	5.28e-03	223,236	0.51	233	0.29	0.16	0.84
	0.10	0.10	0.0	234,235,0	0.44	2.62e-03	2.62e-03	221,221			1.00	0.04	0.96
3224	0.09	0.08	0.0	234,235,0	0.32	1.34e-03	8.57e-03	217,235	0.44	233	0.29	0.16	0.84

	9.92e-03	0.02	0.0	237,240,0	0.32	1.24e-03	1.24e-03	3233,219,219			1.00	0.04	0.96
3225	0.09	0.08	0.0	234,235,0	0.43	1.34e-03	8.57e-03	3233,217,235	0.50	233	0.29	0.16	0.84
	0.09	0.10	0.0	233,236,0	0.43	1.37e-03	1.37e-03	3233,221,221			1.00	0.04	0.96
3226	6.13e-03	7.80e-03	0.0	236,235,0	0.44	4.99e-04	1.21e-03	3233,217,217	0.51	233	0.29	0.16	0.84
	1.71e-03	2.97e-03	0.0	234,235,0	0.44	1.17e-03	1.17e-03	3233,217,217			1.00	0.04	0.96
3227	0.01	0.01	0.0	210,211,0	0.43	8.14e-04	2.15e-03	3233,218,219	0.50	233	0.29	0.16	0.84
	1.43e-03	3.12e-03	0.0	210,240,0	0.43	4.75e-04	4.75e-04	3233,217,217			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.10	0.10	0.0	0.44	2.62e-03	8.57e-03	0.51

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
98	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
650	0.15	0.11	0.0	224,221,0	0.10	2.69e-03	0.01	221,228,221	0.25	221	0.29	0.16	0.84
	0.0	0.04	0.0	0,100,0	0.10	1.86e-03	1.86e-03	221,228,228			0.0	0.0	0.0
665	0.15	0.11	0.0	224,221,0	0.10	2.69e-03	0.01	221,228,221	0.25	221	0.29	0.16	0.84
	0.0	0.13	0.0	0,100,0	0.10	4.49e-03	4.49e-03	221,228,228			0.0	0.0	0.0
666	0.01	0.01	0.0	221,224,0	0.08	1.79e-03	2.78e-03	217,228,216	0.22	217	0.29	0.16	0.84
	0.0	0.13	0.0	0,100,0	0.08	4.49e-03	4.49e-03	217,228,228			0.0	0.0	0.0
678	8.40e-03	4.14e-03	0.0	224,218,0	0.04	2.26e-03	4.00e-03	224,233,238	0.15	224	0.29	0.16	0.84
	0.06	0.12	0.0	234,100,0	0.04	0.04	0.04	224,100,100			1.00	0.04	0.96
680	8.40e-03	0.01	0.0	224,100,0	0.04	0.01	0.02	221,100,100	0.16	221	0.29	0.16	0.84
	0.06	0.40	0.0	234,100,0	0.04	0.05	0.05	221,100,100			1.00	0.04	0.96
681	0.02	0.02	0.0	224,221,0	0.07	3.13e-03	0.01	224,228,100	0.20	224	0.29	0.16	0.84
	0.09	0.10	0.0	224,221,0	0.07	0.03	0.03	224,100,100			1.00	0.04	0.96
682	7.03e-03	0.01	0.0	224,100,0	0.05	0.01	0.02	224,100,100	0.17	224	0.29	0.16	0.84
	0.09	0.40	0.0	224,100,0	0.05	0.05	0.05	224,100,100			1.00	0.04	0.96
684	0.01	0.02	0.0	224,221,0	0.07	1.76e-03	4.72e-03	221,228,100	0.20	221	0.29	0.16	0.84
	0.0	0.02	0.0	0,100,0	0.07	8.70e-04	8.70e-04	221,227,227			0.0	0.0	0.0
687	0.02	0.02	0.0	224,221,0	0.07	2.76e-03	9.03e-03	224,100,100	0.21	224	0.29	0.16	0.84
	5.21e-03	0.01	0.0	237,99,0	0.07	8.70e-04	8.70e-04	224,227,227			1.00	0.04	0.96
690	0.02	0.02	0.0	224,221,0	0.07	3.13e-03	0.01	224,228,100	0.21	224	0.29	0.16	0.84
	0.04	0.04	0.0	224,221,0	0.07	2.71e-03	2.71e-03	224,240,240			1.00	0.04	0.96
693	0.01	0.01	0.0	221,224,0	0.08	1.79e-03	2.93e-03	217,228,226	0.22	217	0.29	0.16	0.84
	0.0	0.04	0.0	0,100,0	0.08	6.96e-04	6.96e-04	217,227,227			0.0	0.0	0.0
3228	0.15	0.11	0.0	224,221,0	0.10	2.69e-03	0.01	221,228,221	0.25	221	0.29	0.16	0.84
	0.0	0.13	0.0	0,100,0	0.10	4.49e-03	4.49e-03	221,228,228			0.0	0.0	0.0
3229	0.13	0.09	0.0	224,221,0	0.07	2.08e-03	0.01	221,228,221	0.20	221	0.29	0.16	0.84
	1.36e-03	0.02	0.0	231,100,0	0.07	8.70e-04	8.70e-04	221,227,227			1.00	0.04	0.96
3230	0.10	0.07	0.0	224,221,0	0.07	2.76e-03	9.50e-03	224,100,237	0.21	224	0.29	0.16	0.84
	5.21e-03	0.01	0.0	237,99,0	0.07	1.11e-03	1.11e-03	224,100,100			1.00	0.04	0.96
3231	0.07	0.05	0.0	224,221,0	0.07	3.13e-03	0.01	224,228,100	0.21	224	0.29	0.16	0.84
	0.04	0.04	0.0	224,221,0	0.07	2.71e-03	2.71e-03	224,240,240			1.00	0.04	0.96
3232	0.05	0.03	0.0	224,221,0	0.07	0.01	0.02	224,100,100	0.20	224	0.29	0.16	0.84
	0.09	0.40	0.0	224,100,0	0.07	0.05	0.05	224,100,100			1.00	0.04	0.96
3233	0.05	0.03	0.0	224,221,0	0.04	2.26e-03	5.82e-03	224,233,237	0.15	224	0.29	0.16	0.84
	0.06	0.12	0.0	234,100,0	0.04	0.04	0.04	224,100,100			1.00	0.04	0.96
3234	0.07	0.05	0.0	224,221,0	0.04	7.86e-04	7.71e-03	224,228,237	0.14	224	0.29	0.16	0.84
	0.02	0.02	0.0	235,234,0	0.04	1.15e-03	1.15e-03	224,237,237			1.00	0.04	0.96
3235	0.10	0.07	0.0	224,221,0	0.04	1.36e-03	9.50e-03	221,228,237	0.15	221	0.29	0.16	0.84
	3.76e-03	3.35e-03	0.0	236,99,0	0.04	1.11e-03	1.11e-03	221,100,100			1.00	0.04	0.96
3236	0.13	0.09	0.0	224,221,0	0.06	2.08e-03	0.01	221,228,221	0.18	221	0.29	0.16	0.84
	1.36e-03	9.65e-03	0.0	231,100,0	0.06	6.82e-04	6.82e-04	221,100,100			1.00	0.04	0.96
3237	0.15	0.11	0.0	224,221,0	0.10	2.69e-03	0.01	221,228,221	0.25	221	0.29	0.16	0.84
	0.0	0.04	0.0	0,100,0	0.10	1.86e-03	1.86e-03	221,228,228			0.0	0.0	0.0

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.15	0.40	0.0	0.10	0.05	0.05	0.25

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
99	Legno XLAM n. 3 verticale-legno E = 8.250e+04	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
765	0.10	0.09	0.0	224,221,0	0.10	4.92e-03	0.01	221,227,237	0.25	221	0.33	0.14	0.86
	0.04	0.06	0.0	224,221,0	0.10	5.30e-03	5.30e-03	221,226,226			1.00	0.04	0.96
766	0.08	0.07	0.0	224,221,0	0.04	2.86e-03	0.01	221,236,237	0.15	221	0.33	0.14	0.86
	3.36e-03	8.87e-03	0.0	224,100,0	0.04	8.28e-04	8.28e-04	221,100,100			1.00	0.04	0.96
775	0.07	0.05	0.0	224,221,0	0.03	1.41e-03	0.01	221,236,233	0.12	221	0.33	0.14	0.86
	3.36e-03	4.60e-03	0.0	224,221,0	0.03	1.15e-03	1.15e-03	221,100,100			1.00	0.04	0.96
1338	0.10	0.09	0.0	224,221,0	0.10	4.92e-03	0.01	221,227,237	0.25	221	0.33	0.14	0.86
	0.04	0.06	0.0	224,221,0	0.10	5.30e-03	5.30e-03	221,226,226			1.00	0.04	0.96
1355	0.10	0.09	0.0	224,221,0	0.10	4.92e-03	0.01	221,227,237	0.25	221	0.33	0.14	0.86
	0.05	0.12	0.0	224,221,0	0.10	5.30e-03	5.30e-03	221,226,226			1.00	0.04	0.96
1356	0.0	0.01	0.0	0,100,0	0.07	1.49e-03	3.22e-03	221,228,237	0.21	221	0.0	0.0	0.0
	0.05	0.12	0.0	224,221,0	0.07	2.50e-03	2.50e-03	221,240,240			1.00	0.04	0.96
1366	6.87e-03	4.32e-03	0.0	240,237,0	0.02	5.48e-03	8.50e-03	224,236,233	0.10	224	0.33	0.14	0.86
	5.66e-03	0.09	0.0	237,100,0	0.02	0.04	0.04	224,100,100			1.00	0.04	0.96
1368	8.68e-03	9.82e-03	0.0	224,100,0	0.03	0.01	0.02	221,100,100	0.14	221	0.33	0.14	0.86
	5.66e-03	0.27	0.0	237,100,0	0.03	0.05	0.05	221,240,240			1.00	0.04	0.96
1369	0.01	0.02	0.0	224,100,0	0.05	3.28e-03	0.01	224,236,100	0.17	224	0.33	0.14	0.86
	0.07	0.06	0.0	224,221,0	0.05	0.03	0.03	224,100,100			1.00	0.04	0.96
1370	8.68e-03	0.01	0.0	224,100,0	0.03	0.01	0.02	221,100,100	0.14	221	0.33	0.14	0.86
	0.07	0.27	0.0	224,100,0	0.03	0.05	0.05	221,240,240			1.00	0.04	0.96
1373	6.17e-03	0.01	0.0	224,221,0	0.07	1.49e-03	3.98e-03	221,228,237	0.20	221	0.33	0.14	0.86
	6.42e-03	0.04	0.0	224,100,0	0.07	1.66e-03	1.66e-03	221,227,227			1.00	0.04	0.96
1376	8.31e-03	0.02	0.0	224,221,0	0.05	1.57e-03	5.07e-03	221,100,237	0.17	221	0.33	0.14	0.86
	5.69e-03	0.02	0.0	224,221,0	0.05	1.34e-03	1.34e-03	221,231,231			1.00	0.04	0.96
1379	0.01	0.02	0.0	224,221,0	0.04	2.63e-03	8.89e-03	224,100,100	0.16	224	0.33	0.14	0.86
	0.0	0.01	0.0	0,100,0	0.04	1.09e-03	1.09e-03	224,231,231			0.0	0.0	0.0
1382	0.01	0.02	0.0	224,100,0	0.05	3.28e-03	0.01	224,236,100	0.17	224	0.33	0.14	0.86
	0.03	0.03	0.0	224,221,0	0.05	4.93e-03	4.93e-03	224,240,240			1.00	0.04	0.96
2047	0.05	0.04	0.0	224,221,0	0.02	2.26e-03	0.01	224,231,233	0.11	224	0.33	0.14	0.86
	0.01	8.09e-03	0.0	224,221,0	0.02	1.64e-03	1.64e-03	224,100,100			1.00	0.04	0.96
2413	0.08	0.07	0.0	224,221,0	0.05	2.86e-03	0.01	221,236,237	0.17	221	0.33	0.14	0.86
	5.69e-03	0.02	0.0	224,221,0	0.05	1.34e-03	1.34e-03	221,231,231			1.00	0.04	0.96
2414	0.07	0.05	0.0	224,221,0	0.04	2.63e-03	0.01	224,100,233	0.16	224	0.33	0.14	0.86
	3.36e-03	0.01	0.0	224,100,0	0.04	1.15e-03	1.15e-03	224,100,100			1.00	0.04	0.96
2415	0.05	0.04	0.0	224,221,0	0.05	3.28e-03	0.01	224,236,100	0.17	224	0.33	0.14	0.86
	0.03	0.03	0.0	224,221,0	0.05	4.93e-03	4.93e-03	224,240,240			1.00	0.04	0.96
2498	0.03	0.02	0.0	224,221,0	0.05	0.01	0.02	224,100,100	0.17	224	0.33	0.14	0.86
	0.07	0.27	0.0	224,100,0	0.05	0.05	0.05	224,240,240			1.00	0.04	0.96
2499	0.03	0.02	0.0	224,221,0	0.02	5.48e-03	0.01	224,236,233	0.10	224	0.33	0.14	0.86
	0.01	0.09	0.0	224,100,0	0.02	0.04	0.04	224,100,100			1.00	0.04	0.96
3238	0.10	0.09	0.0	224,221,0	0.10	4.92e-03	0.01	221,227,237	0.25	221	0.33	0.14	0.86
	0.05	0.12	0.0	224,221,0	0.10	5.30e-03	5.30e-03	221,226,226			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.10	0.27	0.0	0.10	0.05	0.05	0.25

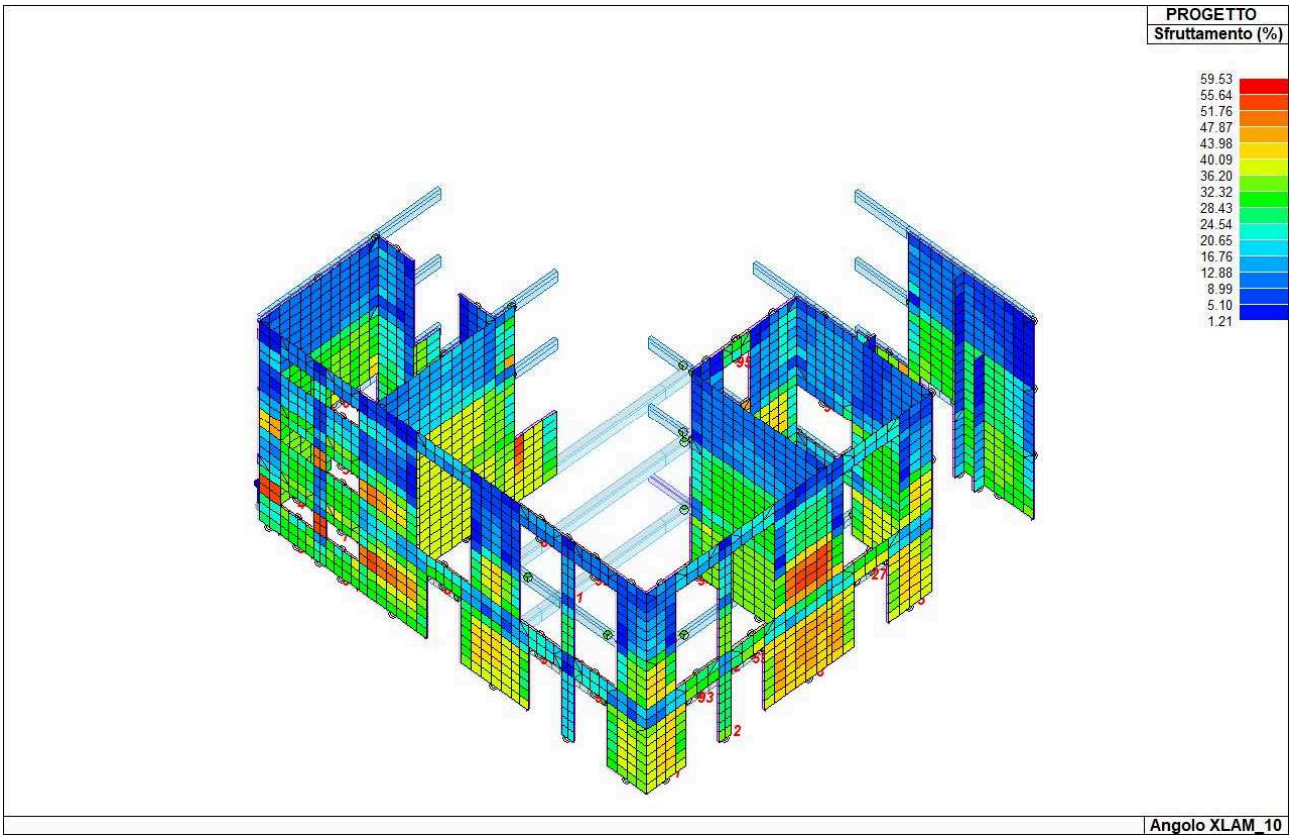


Figura 38: Sfruttamento elementi D3 [%]